Comune di Squillace

Provincia di Catanzaro

Piazza Municipio, n° 1, cap 88069, tel. 0961/914020, fax 0961/914019,
e-mail: uff-tecnico-urbanistica@comune.squillace.cz.it, P.I. 00182160796

VERIFICA DELLA VULNERABILITA' SISMICA DELL'EDIFICIO SCOLASTICO "Scuola dell'Infanzia e Primaria via Damiano Assanti n° 15" - codice: 0791420761. CUP: C89F18000240001 - CIG: ZD125C5F65

Oggetto:

FASCICOLO DEI CALCOLI

Elab. n°
REL.03

Scala:

Data: Marzo 2019

Il Responsabile del Procedimento: Arch. Antonio Macaluso

Soggetti incaricati:

Elio CONTE
Architetto
CAPOGRUPPO

SPI SRL
MANDANTE

Ugo Ugati
Geologo
MANDANTE

ORDINE DEGLI ARCHITETTI DELLA PROVINCIA DI CATANZARO
ARCHITETTO
ELIO CONTE
ALBO N. 8590

STUDIO PROGETTAZIONI D'INGEGNERIA-SPI s.r.l.

ORDINE DEI GEOLOGI della Regione Campania
dr. geol. UGO UGATI Albo n. 1649

Agg.	*Agg.*	*Agg.*	*Agg.*

R.T.P. CONTE

c/o Arch. Elio Conte, Via Carlo de Marco n° 135, 80137 Napoli - Tel./fax 081 7517736, e-mail: conte.arch.elio@fastwebnet.it

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CUP: C89F18000240001 - CIG: ZD125C5F65

Oggetto:

FASCICOLO DEI CALCOLI
DEFINIZIONE STRUTTURA

Elab. n° *REL.03.A*

Scala:

Data: Marzo 2019

Il Responsabile del Procedimento: Arch. Antonio Macaluso

Soggetti incaricati:

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Rappresentazione generale dell'edificio

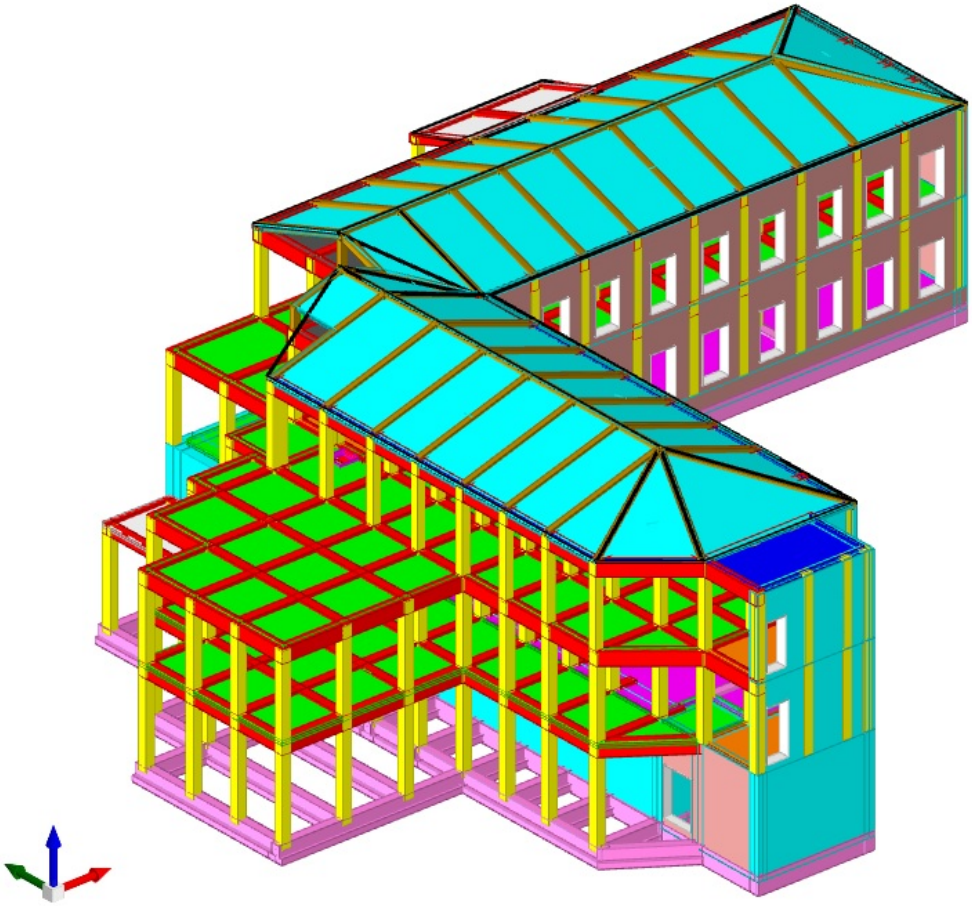


Figura 1

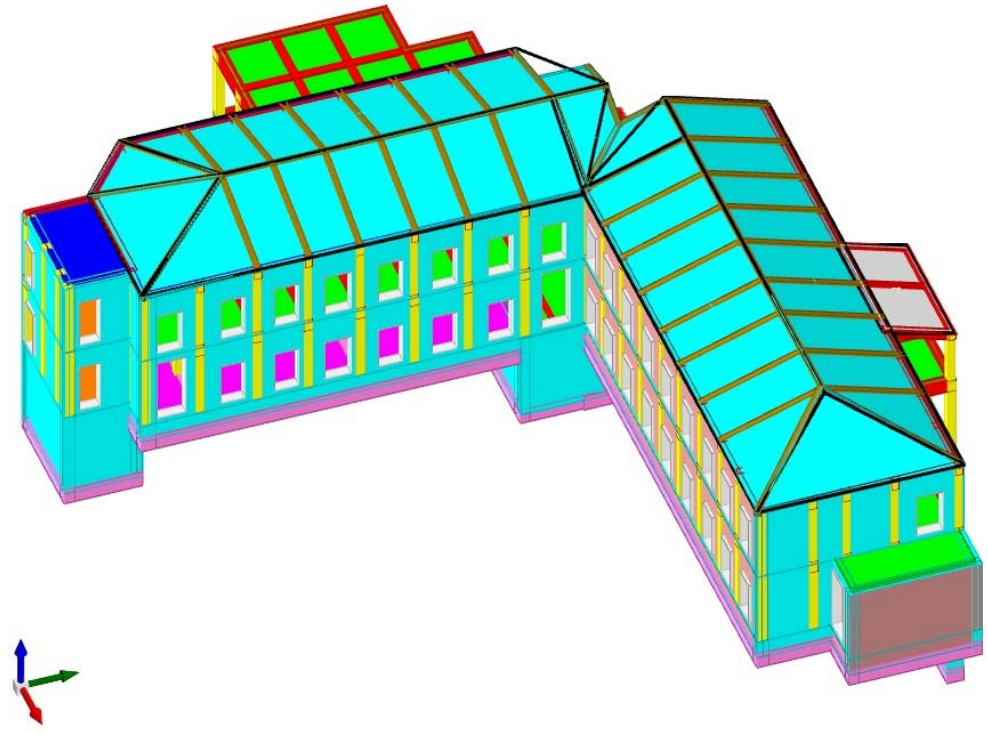


Figura 2

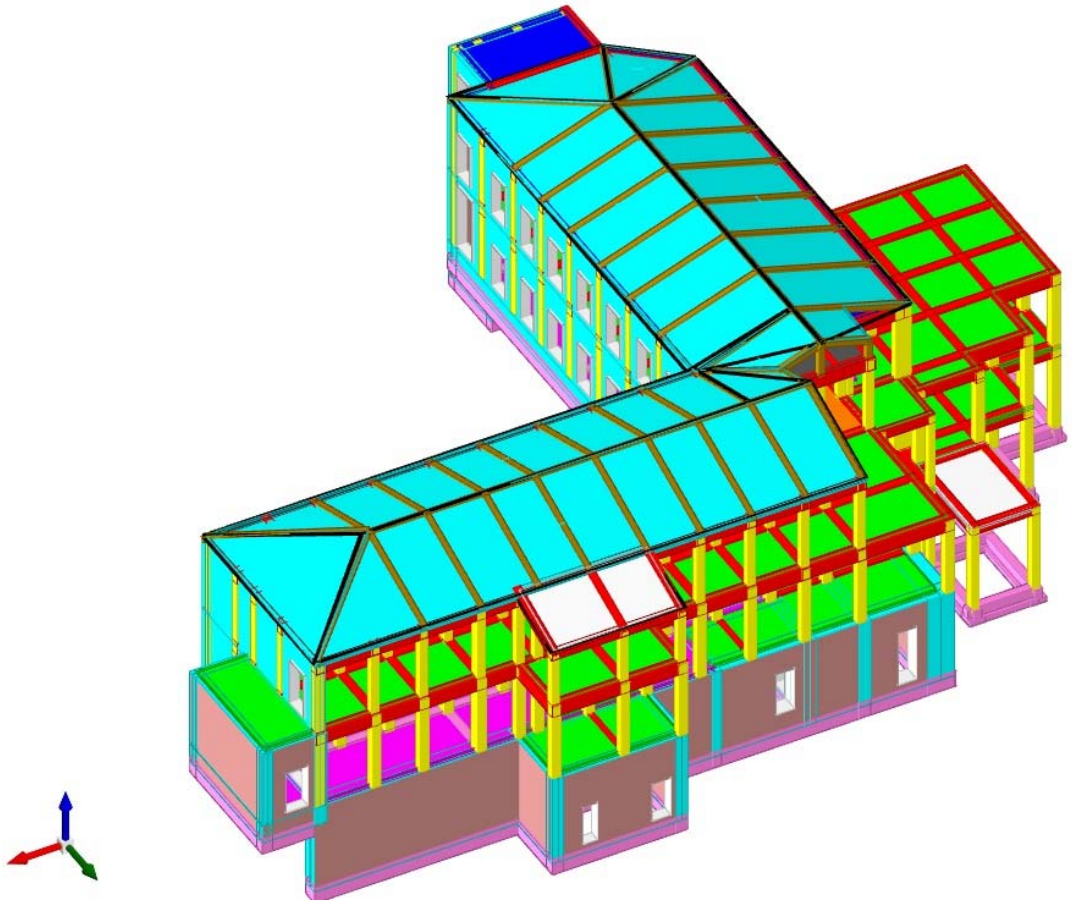


Figura 3

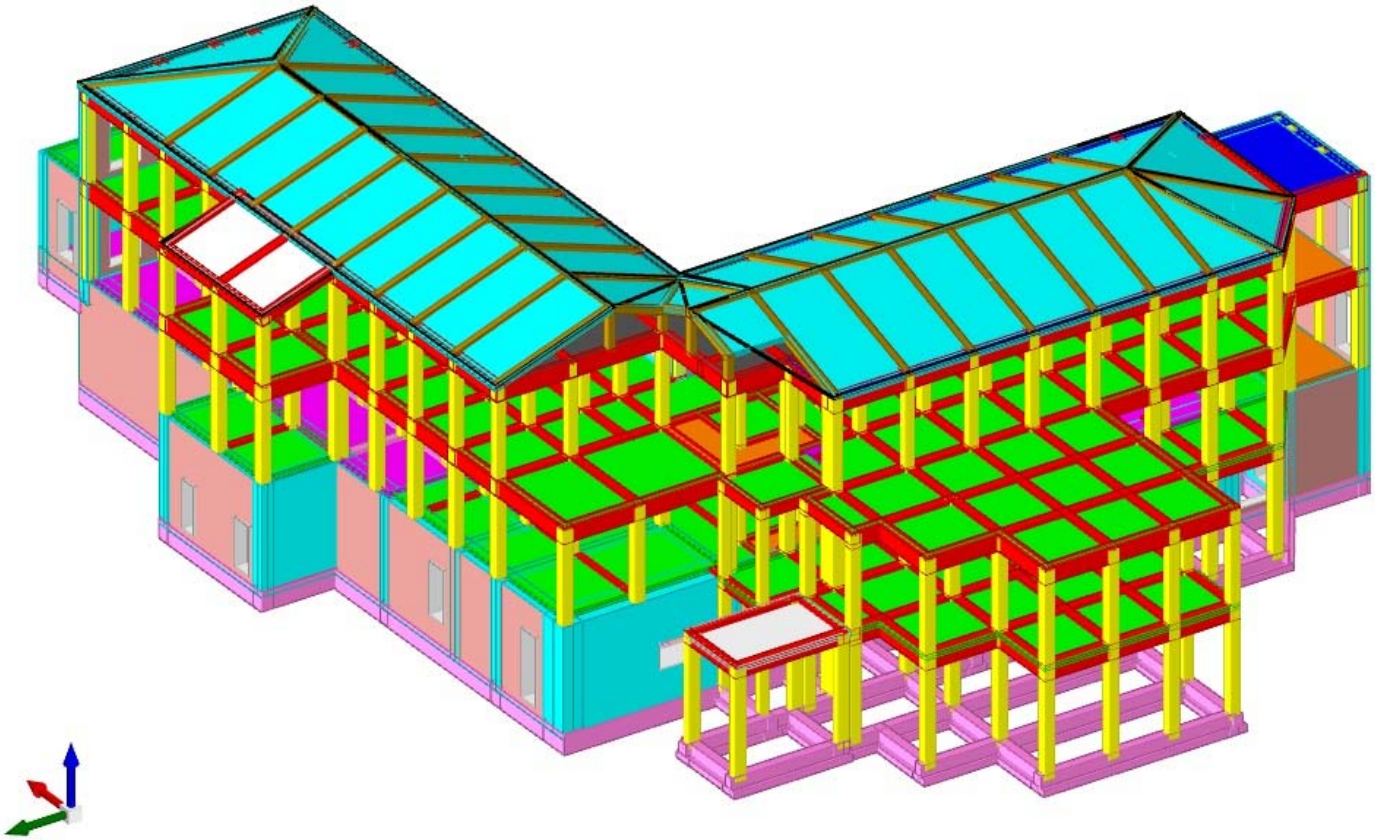


Figura 4

Normative

D.M. LL. PP. 11-03-88

Norme Tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione ed il collaudo delle opere di sostegno delle terre e delle opere di fondazione.

Circolare Ministeriale del 24-07-88, n. 30483/STC.

Legge 02-02-74 n. 64, art. 1 - D.M. 11-03-88

Norme Tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione ed il collaudo delle opere di sostegno delle terre e delle opere di fondazione.

Norme Tecniche per le Costruzioni - D.M. 17-01-18

Sicurezza e prestazioni attese (cap.2), Azioni sulle costruzioni (cap.3), Costruzioni in calcestruzzo (par.4.1), Costruzioni in legno (par.4.4), Costruzioni in muratura (par.4.5), Progettazione geotecnica (cap.6), Progettazione per azioni sismiche (cap.7), Costruzioni esistenti (cap.8), Riferimenti tecnici (cap.12), EC3.

Descrizione del software

Descrizione del programma Sismicad

Si tratta di un programma di calcolo strutturale che nella versione più estesa è dedicato al progetto e verifica degli elementi in cemento armato, acciaio, muratura e legno di opere civili .Il programma utilizza come analizzatore e solutore del modello strutturale un proprio solutore agli elementi finiti tridimensionale fornito col pacchetto. Il programma è sostanzialmente diviso in tre moduli: un pre processore che consente l'introduzione della geometria e dei carichi e crea il file dati di input al solutore; il solutore agli elementi finiti; un post processore che a soluzione avvenuta elabora i risultati eseguendo il progetto e la verifica delle membrature e producendo i grafici ed i tabulati di output.

Specifiche tecniche

Denominazione del software: Sismicad 12.13
Produttore del software: Concrete
Concrete srl, via della Pieve, 15, 35121 PADOVA - Italy
http://www.concrete.it
Rivenditore: CONCRETE SRL - Via della Pieve 19 - 35121 Padova - tel.049-8754720
Versione: 12.13
Identificatore licenza: SW-5642450
Intestatario della licenza: SPI S.R.L. - VIA G. JANNELLI, 23/H - NAPOLI
Versione regolarmente licenziata

Schematizzazione strutturale e criteri di calcolo delle sollecitazioni

Il programma schematizza la struttura attraverso l'introduzione nell'ordine di fondazioni, poste anche a quote diverse, platee, platee nervate, plinti e travi di fondazione poggianti tutte su suolo elastico alla Winkler, di elementi verticali, pilastri e pareti in c.a. anche con fori, di orizzontamenti costituiti da solai orizzontali e inclinati (falde), e relative travi di piano e di falda; è ammessa anche l'introduzione di elementi prismatici in c.a. di interpiano con possibilità di collegamento in inclinato a solai posti a quote diverse. I nodi strutturali possono essere connessi solo a travi, pilastri e pareti, simulando così impalcati infinitamente deformabili nel piano, oppure a elementi lastra di spessore dichiarato dall'utente simulando in tal modo impalcati a rigidezza finita. I nodi appartenenti agli impalcati orizzontali possono essere connessi rigidamente ad uno o più nodi principali giacenti nel piano dell'impalcato; generalmente un nodo principale coincide con il baricentro delle masse. Tale opzione, oltre a ridurre significativamente i tempi di elaborazione, elimina le approssimazioni numeriche connesse all'utilizzo di elementi lastra quando si richiede l'analisi a impalcati infinitamente rigidi. Per quanto concerne i carichi, in fase di immissione dati, vengono definite, in numero a scelta dell'utente, condizioni di carico elementari le quali, in aggiunta alle azioni sismiche e variazioni termiche, vengono combinate attraverso coefficienti moltiplicativi per fornire le combinazioni richieste per le verifiche successive. L'effetto di disassamento delle forze orizzontali, indotto ad esempio dai torcenti di piano per costruzioni in zona sismica, viene simulato attraverso l'introduzione di eccentricità planari aggiuntive le quali costituiscono ulteriori condizioni elementari di carico da cumulare e combinare secondo i criteri del paragrafo precedente. Tipologicamente sono ammessi sulle travi e sulle pareti carichi uniformemente distribuiti e carichi trapezoidali; lungo le aste e nei nodi di incrocio delle membrature sono anche definibili componenti di forze e coppie concentrate comunque dirette nello spazio. Sono previste distribuzioni di temperatura, di intensità a scelta dell'utente, agenti anche su singole porzioni di struttura. Il calcolo delle sollecitazioni si basa sulle seguenti ipotesi e modalità: - travi e pilastri deformabili a sforzo normale, flessione deviata, taglio deviato e momento torcente. Sono previsti coefficienti riduttivi dei momenti di inerzia a scelta dell'utente per considerare la riduzione della rigidezza flessionale e torsionale per effetto della fessurazione del conglomerato cementizio. E' previsto un moltiplicatore della rigidezza assiale dei pilastri per considerare, se pure in modo approssimato, l'accorciamento dei pilastri per sforzo normale durante la costruzione. - le travi di fondazione su suolo alla Winkler sono risolte in forma chiusa tramite uno specifico elemento finito; - le pareti in c.a. sono analizzate schematizzandole come elementi lastra-piastra discretizzati con passo massimo assegnato in fase di immissione dati; - le pareti in muratura possono essere schematizzate con elementi lastra-piastra con spessore flessionale ridotto rispetto allo spessore membranale.- I plinti su suolo alla Winkler sono modellati con la introduzione di molle verticali elastoplastiche. La traslazione orizzontale a scelta dell'utente è bloccata o gestita da molle orizzontali di modulo di reazione proporzionale al verticale. - I pali sono modellati suddividendo l'asta in più aste immerse in terreni di stratigrafia definita dall'utente. Nei nodi di divisione tra le aste vengono inserite molle assialsimmetriche elastoplastiche precaricate dalla spinta a riposo che hanno come pressione limite minima la spinta attiva e come pressione limite massima la spinta passiva modificabile attraverso opportuni coefficienti. - i plinti su pali sono modellati attraverso aste di di rigidezza elevata che collegano un punto della struttura in elevazione con le aste che simulano la presenza dei pali;- le piastre sono discretizzate in un numero finito di elementi lastra-piastra con passo massimo assegnato in fase di immissione dati; nel caso di platee di fondazione i nodi sono collegati al suolo da molle aventi rigidezze alla traslazione verticale ed richiesta anche orizzontale.- La deformabilità nel proprio piano di piani dichiarati non infinitamente rigidi e di falde (piani inclinati) può essere controllata attraverso la introduzione di elementi membranali nelle zone di solaio. - I disassamenti tra elementi asta sono gestiti automaticamente dal programma attraverso la introduzione di collegamenti rigidi locali.- Alle estremità di elementi asta è possibile inserire svincolamenti tradizionali così come cerniere parziali (che trasmettono una quota di ciò che trasmetterebbero in condizioni di collegamento rigido) o cerniere plastiche.- Alle estremità di elementi bidimensionali è possibile inserire svincolamenti con cerniere parziali del momento flettente avente come asse il bordo dell'elemento.- Il calcolo degli effetti del sisma è condotto, a scelta dell'utente, con analisi statica lineare, con analisi dinamica modale o con analisi statica non lineare, in accordo alle varie normative adottate. Le masse, nel caso di impalcati dichiarati rigidi sono concentrate nei nodi principali di piano altrimenti vengono considerate diffuse nei nodi giacenti sull'impalcato stesso. Nel caso di analisi sismica vengono anche controllati gli spostamenti di interpiano.

Verifiche delle membrature in cemento armato

Nel caso più generale le verifiche degli elementi in c.a. possono essere condotte col metodo delle tensioni ammissibili (D.M. 14-1-92) o agli stati limite in accordo al D.M. 09-01-96, al D.M. 14-01-08, al D.M. 17-01-18 o secondo Eurocodice 2. Le travi sono progettate e verificate a flessione retta e taglio; a richiesta è possibile la verifica per le sei componenti della sollecitazione. I pilastri ed i pali sono verificati per le sei componenti della sollecitazione. Per gli elementi bidimensionali giacenti in un medesimo piano è disponibile la modalità di verifica che consente di analizzare lo stato di verifica nei singoli nodi degli elementi. Nelle verifiche (a presso flessione e punzonamento) è ammessa la introduzione dei momenti di calcolo modificati in base alle direttive dell'EC2, Appendice A.2.8. I plinti superficiali sono verificati assumendo lo schema statico di mensole con incastri posti a filo o in asse pilastro. Gli ancoraggi delle armature delle membrature in c.a. sono calcolati sulla base della effettiva tensione normale che ogni barra assume nella sezione di verifica distinguendo le zone di ancoraggio in zone di buona o cattiva aderenza. In particolare il programma valuta la tensione normale che ciascuna barra può assumere in una sezione sviluppando l'aderenza sulla superficie cilindrica posta a sinistra o a destra della sezione considerata; se in una sezione una barra assume per effetto dell'aderenza una tensione normale minore di quella ammissibile, il suo contributo all'area complessiva viene ridotto dal programma nel rapporto tra la tensione normale che la barra può assumere per effetto dell'aderenza e quella ammissibile. Le verifiche sono effettuate a partire dalle aree di acciaio equivalenti così calcolate che vengono evidenziate in relazione.A seguito di analisi inelastiche eseguite in accordo a OPCM 3431 o D.M. 14-01-08, al D.M. 17-01-18 vengono condotte verifiche di resistenza per i meccanismi fragili (nodi e taglio) e verifiche di deformabilità per i meccanismi duttili.

Verifiche delle murature

Per le murature è prevista la verifica a schiacciamento eccentrico secondo il metodo delle tensioni ammissibili o agli stati limite ai sensi del D.M. LL.PP. 20-11-87. In presenza di sisma analizzato secondo il DM 16-1-96 le verifiche possono essere condotte sulla base della Circ. LL.PP. 30-07-81 n.21745 e le direttive tecniche dei D.G.R. Umbria 5180/98 e D.G.R. 2153/98 in attuazione L.61/98. In particolare vengono svolte le verifiche a taglio, a ribaltamento ed a pressoflessione sia nel piano ortogonale che nel piano del maschio. Vengono inoltre evidenziati a richiesta i coefficienti richiesti dalla L.61/98. La verifica a taglio viene condotta utilizzando un solutore POR per i maschi compresi tra due piani orizzontali dichiarati infinitamente rigidi in sede in input dei livelli. I carichi verticali si pensano centrati e le variazioni di sforzo normale dovute alle azioni sismiche sono prese in conto a scelta dell’utente. Nel caso si utilizzi un modello non lineare (ad esempio per la presenza di tiranti o di fondazioni non reagenti al sollevamento) i carichi verticali comprendono sempre anche il contributo delle azioni sismiche. Le azioni orizzontali prese in conto sono per ogni piano la somma delle forze sismiche agenti al di sopra del piano. Ai fini della verifica POR la analisi del modello agli elementi finiti ha il solo scopo di determinare lo sforzo normale nei maschi murari. Gli effetti delle azioni orizzontali infatti vanno valutati con diverso solutore (POR). Ai maschi che non sono compresi tra piani rigidi e quindi anche ai maschi che sostengono le falde non può essere applicato un solutore POR. Per questi maschi le verifiche a taglio vengono eseguite, trascurando a favore di sicurezza il contributo della duttilità, a partire dai risultati della analisi elastica forniti dal modello ad elementi finiti. I carichi verticali sono pensati centrati. Sia nel caso lineare che nel non lineare lo sforzo normale ed i tagli si ottengono per ogni combinazione sommando i contributi di tutte le condizioni di carico.In presenza di sisma analizzato secondo il D.M. 16-01-96 le verifiche a taglio, a pressoflessione nel piano e fuori piano e a ribaltamento possono essere eseguite secondo D.M. LL.PP 20-11-87. La analisi sismica può anche essere condotta secondo OPCM 3431 o D.M. 14-01-08, al D.M. 17-01-18 con analisi statica lineare, analisi dinamica modale o analisi statica non lineare. Le verifiche a taglio, a pressoflessione nel piano e fuori piano vengono condotte nel rispetto della norma con distinzione tra edifici nuovi ed edifici esistenti. Nel caso di analisi elastica le murature sono modellate con elementi bidimensionali (shell); nel caso di analisi statica non lineare le murature sono modellate con un particolare elemento finito monodimensionale a comportamento bilineare elastico perfettamente plastico.

Dati generali

Materiali

Materiali c.a.

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Rck**: resistenza caratteristica cubica; valore medio nel caso di edificio esistente. [daN/cm²]*
***E**: modulo di elasticità longitudinale del materiale per edifici o materiali nuovi. [daN/cm²]*
***G**: modulo di elasticità tangenziale del materiale, viene impiegato nella modellazione di aste e di elementi guscio a comportamento ortotropo. [daN/cm²]*
***v**: coefficiente di Poisson. Il valore è adimensionale.*
***γ**: peso specifico del materiale. [daN/cm³]*
***α**: coefficiente longitudinale di dilatazione termica. [°C-1]*

Descrizione	Rck	E	G	v	γ	α
RCK300 LC2	300	289256	Default (131480.03)	0.1	0.0025	0.00001

Materiali muratura

Proprietà muratura NTC2008/NTC2018 1

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Tipo blocchi**: tipo di blocchi (D.M. 14-01-08 11.10.1, 11.10.V, VI).*
***Cat.blocchi**: categoria blocchi (D.M. 14-01-08 4.5.6.1).*
***fbk**: resistenza caratteristica a compressione dell'elemento dichiarata dal produttore (D.M. 14-01-08 11.10.1.1.1). [daN/cm²]*
***fbk_**: resistenza caratteristica a compressione dell'elemento in direzione orizzontale nel piano del muro. Dato da richiedere al produttore (D.M. 14-01-08 11.10.1.1.1). [daN/cm²]*
***Tipo malta**: tipo di malta (D.M. 14-01-08 11.10.2).*
***Res.compr.malta**: resistenza media a compressione della malta (D.M. 14-01-08 11.10.2.1). [daN/cm²]*
***GammaM**: coefficiente parziale di sicurezza sulla resistenza a compressione della muratura (D.M. 14-01-08 4.5.6.1, 4.5.II). Il valore è adimensionale.*

Descrizione	Tipo blocchi	Cat.blocchi	fbk	fbk_	Tipo malta	Res.compr.malta	GammaM
Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I	Altro	II	25	5	Composizione prescritta	25	3

Armature

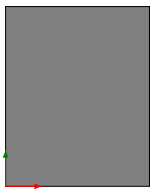
***Descrizione**: descrizione o nome assegnato all'elemento.*
***fyk**: resistenza caratteristica. [daN/cm²]*
***σamm.**: tensione ammissibile. [daN/cm²]*
***Tipo**: tipo di barra.*
***E**: modulo di elasticità longitudinale del materiale per edifici o materiali nuovi. [daN/cm²]*
***γ**: peso specifico del materiale. [daN/cm³]*
***v**: coefficiente di Poisson. Il valore è adimensionale.*
***α**: coefficiente longitudinale di dilatazione termica. [°C-1]*
***Livello di conoscenza**: indica se il materiale è nuovo o esistente, e in tal caso il livello di conoscenza secondo Circ.617 02/02/09 §C8A. Informazione impiegata solo in analisi D.M. 14-01-08 (N.T.C.) e D.M. 17-01-18 (N.T.C.).*

Descrizione	fyk	σamm.	Tipo	E	γ	v	α	Livello di conoscenza
FeB 32k liscio LC1	3100	1550	Liscio	2060000	0.00785	0.3	0.000012	LC1 (FC = 1,35)

Sezioni

Sezioni C.A.

Sezioni rettangolari C.A.

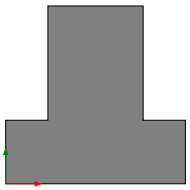


***Descrizione**: descrizione o nome assegnato all'elemento.*
***Area Tx FEM**: area di taglio in direzione X per l'analisi FEM. [cm²]*
***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [cm²]*
***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [cm4]*
***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [cm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [cm4]*

***H**: altezza della sezione. [cm]*
***B**: larghezza della sezione. [cm]*
***c.s.**: copriferro superiore della sezione. [cm]*
***c.i.**: copriferro inferiore della sezione. [cm]*
***c.l.**: copriferro laterale della sezione. [cm]*

Descrizione	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	H	B	c.s.	c.i.	c.l.
R 40x50	1666.67	1666.67	416666.67	266666.67	529066.67	50	40	3.5	3.5	3.5
R 30x30	750	750	67500	67500	99900	30	30	3	3	3
R 45x45	1687.5	1687.5	341718.75	341718.75	505743.75	45	45	3.5	3.5	3.5
R 30x40	1000	1000	160000	90000	189900	40	30	3.5	3.5	3.5
R 45x70	2625	2625	1286250	531562.5	1.265E06	70	45	3.5	3.5	3.5
R 30x50	1250	1250	312500	112500	279900	50	30	3.5	3.5	3.5
R 30x60	1500	1500	540000	135000	369900	60	30	3.5	3.5	3.5
R 45x65	2437.5	2437.5	1.030E06	493593.75	1.113E06	65	45	3.5	3.5	3.5
R 40x40	1333.33	1333.33	213333.33	213333.33	315733.33	40	40	3.5	3.5	3.5
R 40x70	2333.33	2333.33	1.143E06	373333.33	955733.33	70	40	3.5	3.5	3.5
R 40x60	2000	2000	720000	320000	742400	60	40	3.5	3.5	3.5
R 40x80	2666.67	2666.67	1.707E06	426666.67	1.169E06	80	40	3.5	3.5	3.5

Sezioni a T rovescio C.A.



***Descrizione**: descrizione o nome assegnato all'elemento.*
***Area Tx FEM**: area di taglio in direzione X per l'analisi FEM. [cm²]*
***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [cm²]*
***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [cm4]*
***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [cm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [cm4]*
***H**: altezza della sezione. [cm]*
***B anima**: spessore dell'anima della sezione. [cm]*
***H ala**: spessore dell'ala della sezione. [cm]*
***B ala sx.**: larghezza dell'ala sinistra della sezione. [cm]*
***B ala dx.**: larghezza dell'ala destra della sezione. [cm]*
***c.s.**: copriferro superiore della sezione. [cm]*
***c.i.**: copriferro inferiore della sezione. [cm]*
***c.l.**: copriferro laterale della sezione. [cm]*

Descrizione	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	H	B anima	H ala	B ala sx.	B ala dx.	c.s.	c.i.	c.l.
TR (20+20+45)x84	2125	3150	2.98E6	1945375	3.12E6	84	45	30	20	20	3	3	3

Caratteristiche inerziali sezioni C.A.

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Xg**: ascissa del baricentro definita rispetto al sistema geometrico in cui sono definiti i vertici del poligono. [cm]*
***Yg**: ordinata del baricentro definita rispetto al sistema geometrico in cui sono definiti i vertici del poligono. [cm]*
***Area**: area inerziale nel sistema geometrico centrato nel baricentro. [cm²]*
***Jx**: momento d'inerzia attorno all'asse orizzontale baricentrico di definizione della sezione. [cm4]*
***Jy**: momento d'inerzia attorno all'asse verticale baricentrico di definizione della sezione. [cm4]*
***Jxy**: momento centrifugo rispetto al sistema di riferimento baricentrico di definizione della sezione. [cm4]*
***Jm**: momento d'inerzia attorno all'asse baricentrico principale M. [cm4]*
***Jn**: momento d'inerzia attorno all'asse baricentrico principale N. [cm4]*
***α**: angolo tra gli assi del sistema di riferimento geometrico di definizione e quelli del sistema di riferimento principale. [deg]*
***Area Tx FEM**: area di taglio in direzione X per l'analisi FEM. [cm²]*
***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [cm²]*
***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [cm4]*
***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [cm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [cm4]*

Descrizione	Xg	Yg	Area	Jx	Jy	Jxy	Jm	Jn	α	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM
TR (20+20+45)x84	42.5	35.5	4980	3.0E6	1.9E6	0	3.0E6	1.9E6	0	2125	3150	2.98E06	1945375	3.12E06
R 40x50	20	25	2000	4.2E5	2.7E5	0	4.2E5	2.7E5	0	1666.67	1666.67	4.17E05	2.67E05	5.29E05
R 30x30	15	15	900	67500	67500	0	67500	67500	0	750	750	67500	67500	99900
R 45x45	22.5	22.5	2025	3.4E5	3.4E5	0	3.4E5	3.4E5	0	1687.5	1687.5	3.42E05	3.42E05	5.06E05
R 30x40	15	20	1200	160000	90000	0	160000	90000	0	1000	1000	160000	90000	189900
R 45x70	22.5	35	3150	1.3E6	5.3E5	0	1.3E6	5.3E5	0	2625	2625	1286250	531562.5	1.27E06
R 30x50	15	25	1500	312500	112500	0	312500	112500	0	1250	1250	312500	112500	279900
R 30x60	15	30	1800	540000	135000	0	540000	135000	0	1500	1500	540000	135000	369900
R 45x65	22.5	32.5	2925	1.0E6	4.9E5	0	1.0E6	4.9E5	0	2437.5	2437.5	1.03E06	4.94E05	1.11E06
R 40x40	20	20	1600	2.1E5	2.1E5	0	2.1E5	2.1E5	0	1333.33	1333.33	2.13E05	2.13E05	3.16E05
R 40x70	20	35	2800	1.1E6	3.7E5	0	1.1E6	3.7E5	0	2333.33	2333.33	1.14E06	3.73E05	9.56E05
R 40x60	20	30	2400	720000	320000	0	720000	320000	0	2000	2000	720000	320000	742400
R 40x80	20	40	3200	1.7E6	4.3E5	0	1.7E6	4.3E5	0	2666.67	2666.67	1.71E06	4.27E05	1.17E06

Solai

Solai a nervatura

***Descrizione**: descrizione o nome assegnato all'elemento.*

***Int.**: interasse tra le nervature. [cm]*
***B anima**: larghezza anima. [cm]*
***H**: altezza totale. [cm]*
***H cappa**: altezza cappa. [cm]*
***c.s.**: copriferro superiore. [cm]*
***c.i.**: copriferro inferiore. [cm]*
***c.i.a.**: copriferro inferiore ferri aggiuntivi. [cm]*
***N. tondi**: numero tondi di confezionamento.*
***Diam. tondi**: diametro tondi di confezionamento. [mm]*
***Passo rete**: passo rete cappa. [cm]*
***Diam. rete**: diametro rete cappa. [mm]*
***Peso proprio**: peso proprio per unità di superficie. [daN/cm²]*
***Yg**: ordinata del baricentro definita rispetto al sistema geometrico in cui sono definiti i vertici del poligono. [cm]*
***Area**: area inerziale nel sistema geometrico centrato nel baricentro. [cm²]*
***Jx**: momento d'inerzia attorno all'asse orizzontale baricentrico di definizione della sezione. [cm4]*

Descrizione	Int.	B anima	H	H cappa	c.s.	c.i.	c.i.a.	N. tondi	Diam. tondi	Passo rete	Diam. rete	Peso proprio	Yg	Area	Jx
Ner 10*(24+6)/50	60	12	30	6	1	1	1	3	8	20	5	0.039	20.3	648	50904

Dati di definizione

Preferenze commessa

Preferenze di analisi

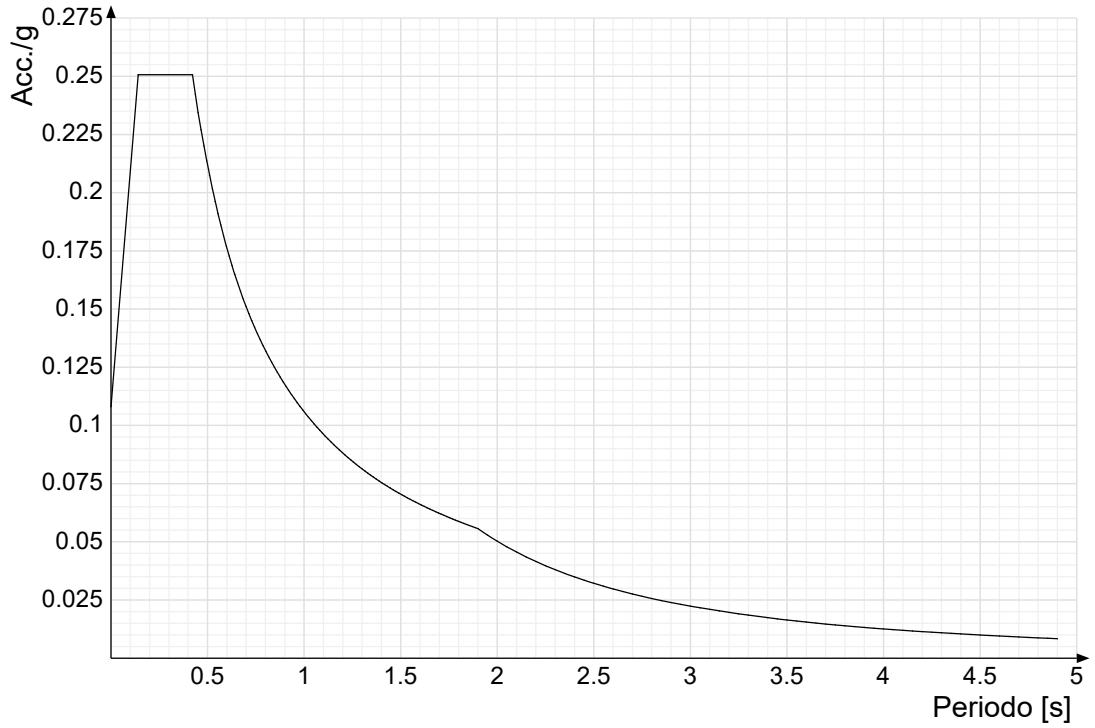
Metodo di analisi	D.M. 17-01-18 (N.T.C.)	
Tipo di costruzione	2 - Costruzioni con livelli di prestazioni ordinari	
Vn	50	
Classe d'uso	III	
Vr	75	
Tipo di analisi	Lineare dinamica	
Località	Catanzaro, Squillace; Latitudine ED50 38,7843° (38° 47' 4''); Longitudine ED50 16,5207° (16° 31' 14''); Altitudine s.l.m. 290,96 m.	
Categoria del suolo	Altro - Parametri da analisi di risposta sismica locale	
Categoria topografica	T2 - Pendii con inclinazione media i>15°	
Ss orizzontale SLO	1.2	
Tb orizzontale SLO	0.141	[s]
Tc orizzontale SLO	0.422	[s]
Td orizzontale SLO	1.9	[s]
Ss orizzontale SLD	1.2	
Tb orizzontale SLD	0.148	[s]
Tc orizzontale SLD	0.443	[s]
Td orizzontale SLD	1.991	[s]
Ss orizzontale SLV	1.14	
Tb orizzontale SLV	0.17	[s]
Tc orizzontale SLV	0.511	[s]
Td orizzontale SLV	2.665	[s]
Ss verticale		
Tb verticale		[s]
Tc verticale		[s]
Td verticale		[s]
St	1.2	
PVr SLO (%)	81	
Tr SLO	45.16	
Ag/g SLO	0.075	
Fo SLO	2.321	
Tc* SLO	0.302	[s]
PVr SLD (%)	63	
Tr SLD	75.43	
Ag/g SLD	0.098	
Fo SLD	2.328	
Tc* SLD	0.32	[s]
PVr SLV (%)	10	
Tr SLV	711.84	
Ag/g SLV	0.266	
Fo SLV	2.442	
Tc* SLV	0.384	[s]
PVr SLC (%)	5	
Tr SLC	1462.18	
Ag/g SLC	0.348	
Fo SLC	2.475	
Tc* SLC	0.411	[s]
Ag/g(Tr=30 anni)	0.0605	
Ag/g(Tr=45,161 anni)	0.075	
Ag/g(Tr=50 anni)	0.0792	
Ag/g(Tr=72 anni)	0.0957	
Ag/g(Tr=75,434 anni)	0.098	
Ag/g(Tr=101 anni)	0.1133	
Ag/g(Tr=140 anni)	0.1323	
Ag/g(Tr=201 anni)	0.1562	
Ag/g(Tr=475 anni)	0.2264	
Ag/g(Tr=711,842 anni)	0.266	
Ag/g(Tr=975 anni)	0.3012	
Ag/g(Tr=1462,179 anni)	0.348	
Ag/g(Tr=2475 anni)	0.4191	
Fo(Tr=30 anni)	2.3438	

Fo(Tr=45,161 anni)	2.321	
Fo(Tr=50 anni)	2.3153	
Fo(Tr=72 anni)	2.3267	
Fo(Tr=75,434 anni)	2.328	
Fo(Tr=101 anni)	2.3368	
Fo(Tr=140 anni)	2.3513	
Fo(Tr=201 anni)	2.3685	
Fo(Tr=475 anni)	2.4266	
Fo(Tr=711,842 anni)	2.442	
Fo(Tr=975 anni)	2.4534	
Fo(Tr=1462,179 anni)	2.475	
Fo(Tr=2475 anni)	2.5022	
Tc*(Tr=30 anni)	0.2782	
Tc*(Tr=45,161 anni)	0.302	
Tc*(Tr=50 anni)	0.3083	
Tc*(Tr=72 anni)	0.3186	
Tc*(Tr=75,434 anni)	0.32	
Tc*(Tr=101 anni)	0.3288	
Tc*(Tr=140 anni)	0.3391	
Tc*(Tr=201 anni)	0.3495	
Tc*(Tr=475 anni)	0.3713	
Tc*(Tr=711,842 anni)	0.384	
Tc*(Tr=975 anni)	0.3924	
Tc*(Tr=1462,179 anni)	0.411	
Tc*(Tr=2475 anni)	0.4378	
Smorzamento viscoso (%)	5	
Classe di duttilità	CD"B"	
Rotazione del sisma	0	[deg]
Quota dello '0' sismico	20	[cm]
Regolarità in pianta	No	
Regolarità in elevazione	No	
Edificio C.A.	Si	
Tipologia C.A.	Strutture a telaio q0=3.0*αu/α1	
αu/α1 C.A.	Strutture a telaio con più piani e più campate αu/α1=(1.0+1.3)/2	
Edificio muratura	Si	
Tipologia muratura	Costruzioni di muratura ordinaria	
αu/α1 muratura	αu/α1=(1.0+1.7)/2	
Edificio esistente	Si	
T1,x	0.37619	[s]
T1,y	0.39061	[s]
λ SLO,x	0.85	
λ SLO,y	0.85	
λ SLD,x	0.85	
λ SLD,y	0.85	
λ SLV,x	0.85	
λ SLV,y	0.85	
Numero modi	20	
Metodo di Ritz	applicato	
Limite spostamenti interpiano	0.0013	
Fattore di comportamento per sisma SLD X	1.5	
Fattore di comportamento per sisma SLD Y	1.5	
Fattore di comportamento per sisma SLV X	*1.89*	
Fattore di comportamento per sisma SLV Y	*1.89*	
Coefficiente di sicurezza per carico limite (fondazioni superficiali)	2.3	
Coefficiente di sicurezza per scorrimento (fondazioni superficiali)	1.1	
Coefficiente di sicurezza portanza verticale pali infissi, punta	1.15	
Coefficiente di sicurezza portanza verticale pali infissi, laterale compressione	1.15	
Coefficiente di sicurezza portanza verticale pali infissi, laterale trazione	1.25	
Coefficiente di sicurezza portanza verticale pali trivellati, punta	1.35	
Coefficiente di sicurezza portanza verticale pali trivellati, laterale compressione	1.15	
Coefficiente di sicurezza portanza verticale pali trivellati, laterale trazione	1.25	
Coefficiente di sicurezza portanza verticale micropali, punta	1.35	
Coefficiente di sicurezza portanza verticale micropali, laterale compressione	1.15	
Coefficiente di sicurezza portanza verticale micropali, laterale trazione	1.25	
Coefficiente di sicurezza portanza trasversale pali	1.3	
Fattore di correlazione resistenza caratteristica dei pali in base alle verticali indagate	1.7	
Coefficiente di sicurezza per ribaltamento (plinti superficiali)	1.15	

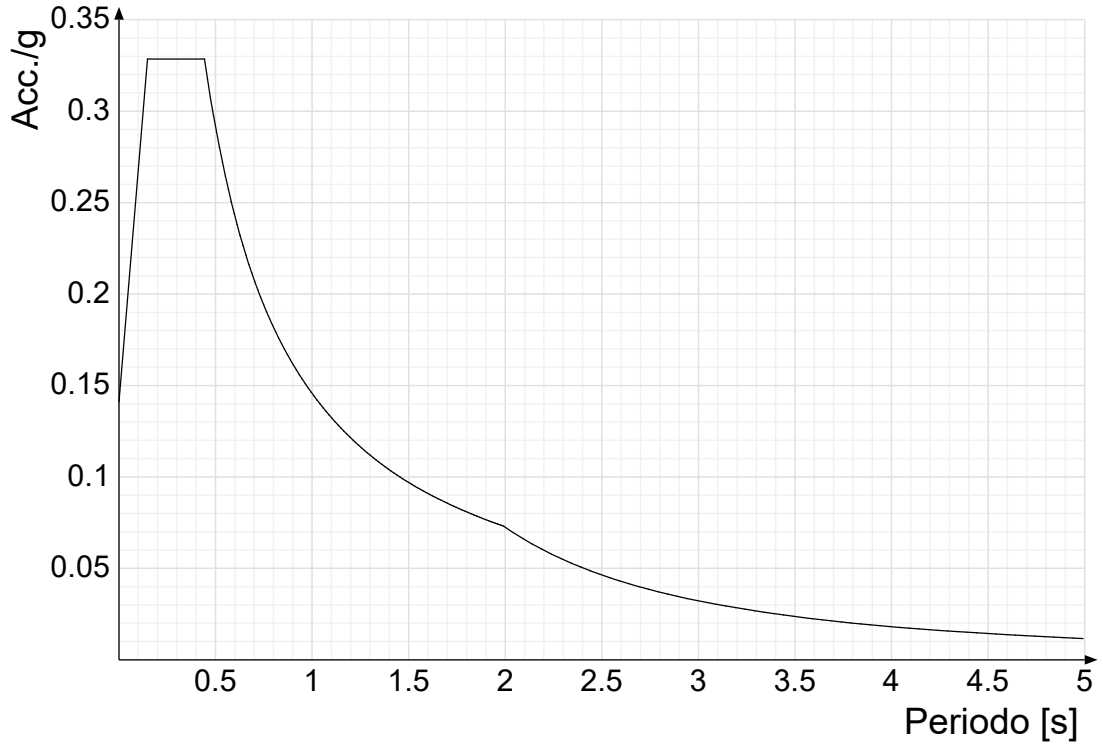
Spettri D.M. 17-01-18

***Acc./g**: Accelerazione spettrale normalizzata ottenuta dividendo l'accelerazione spettrale per l'accelerazione di gravità.*
***Periodo**: Periodo di vibrazione.*

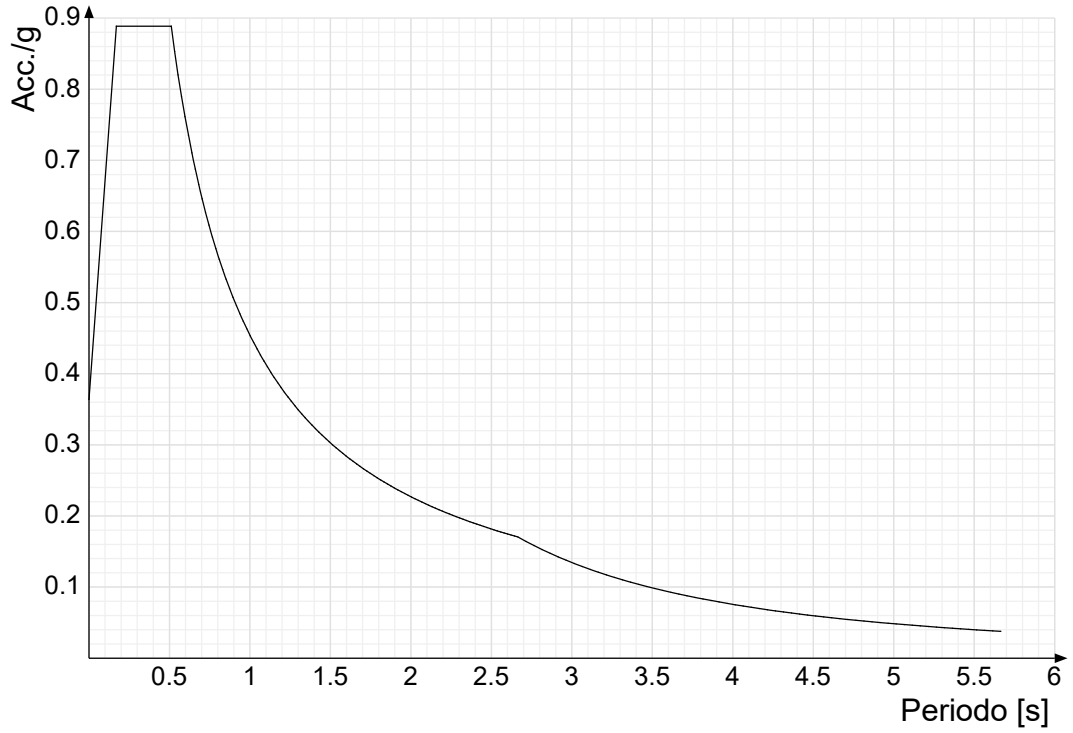
Spettro di risposta elastico in accelerazione delle componenti orizzontali SLO § 3.2.3.2.1 [3.2.2]



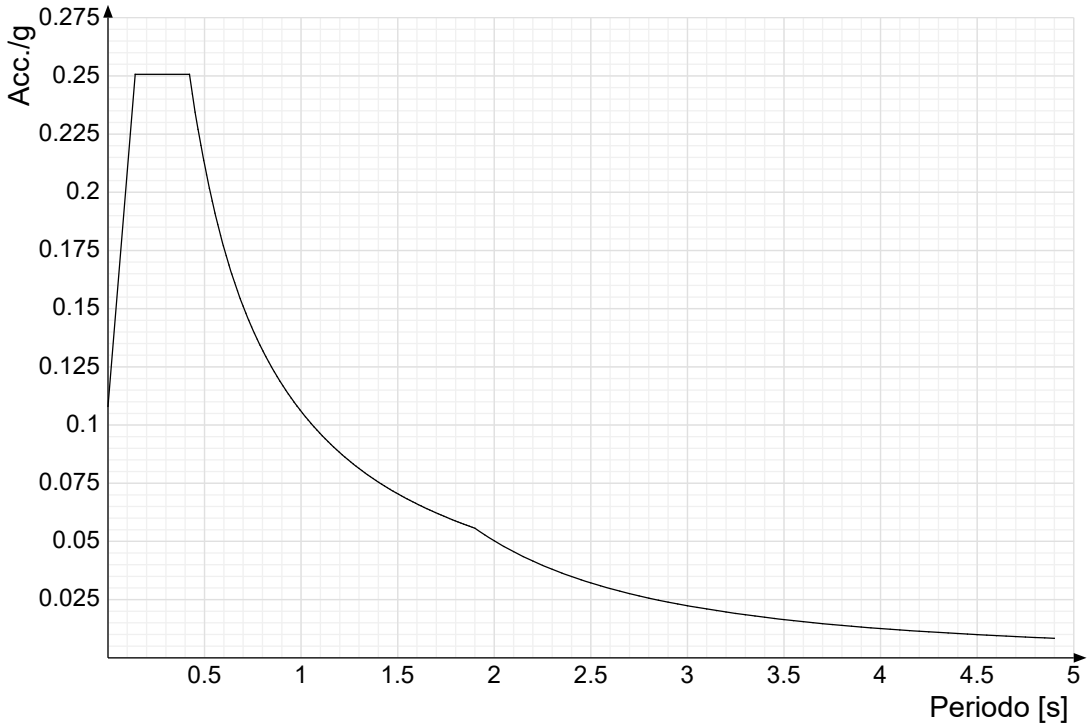
Spettro di risposta elastico in accelerazione delle componenti orizzontali SLD § 3.2.3.2.1 [3.2.2]



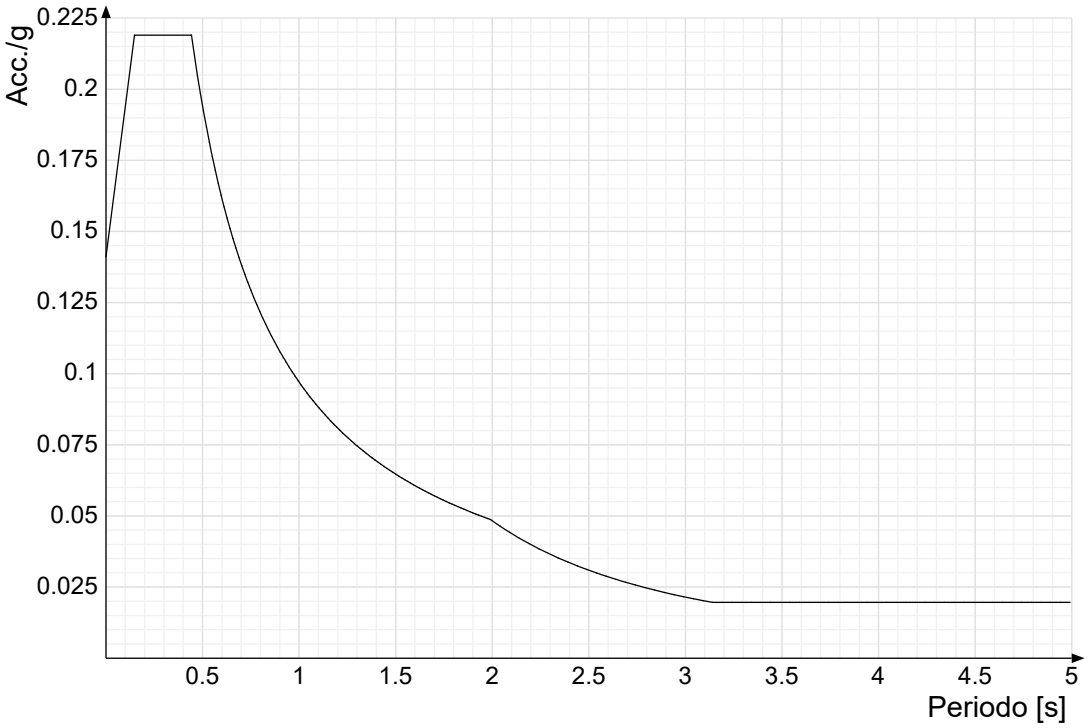
Spettro di risposta elastico in accelerazione delle componenti orizzontali SLV § 3.2.3.2.1 [3.2.2]



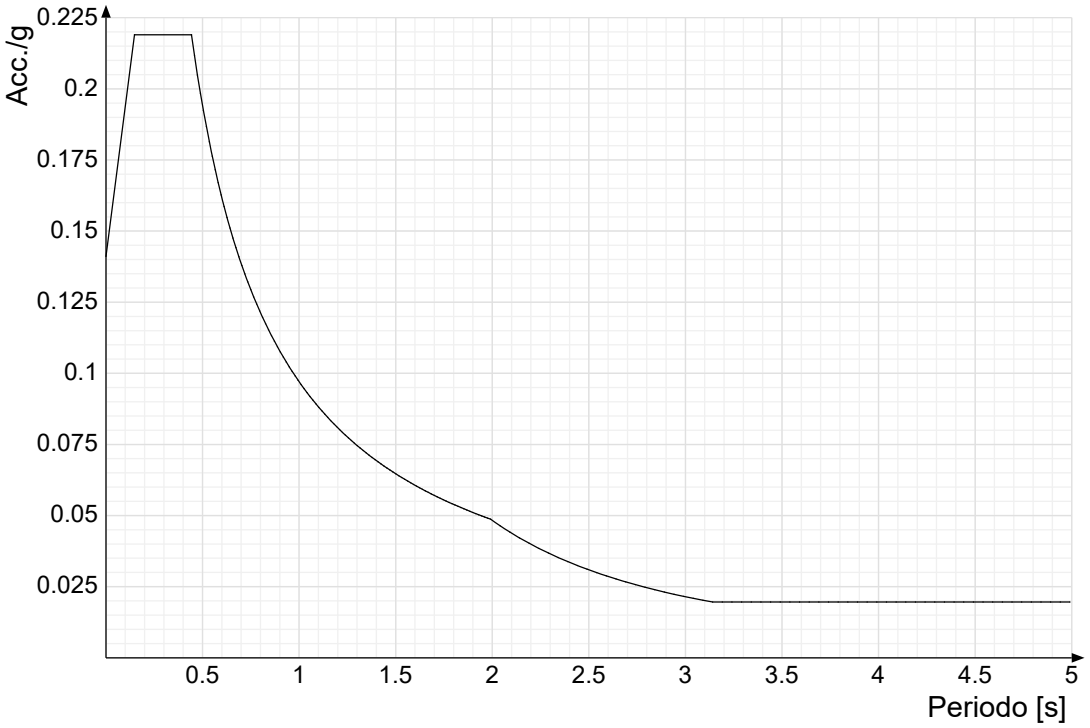
Spettro di risposta di progetto in accelerazione delle componenti orizzontali SLO § 3.2.3.4



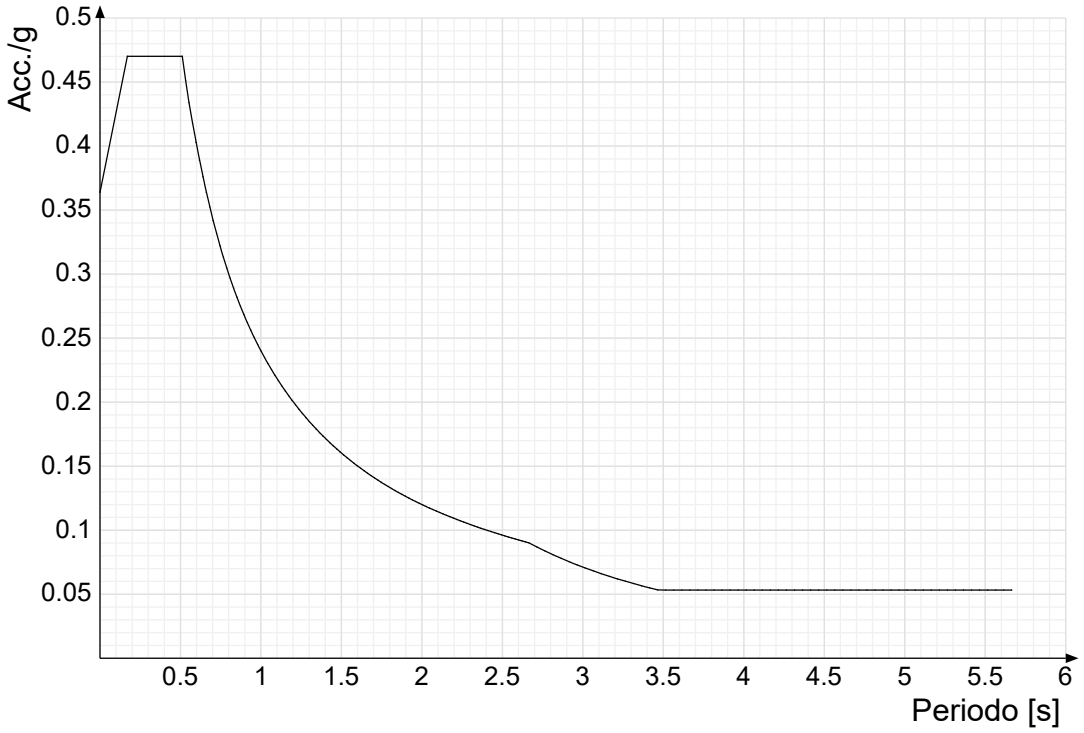
Spettro di risposta di progetto in accelerazione della componente X SLD § 3.2.3.5



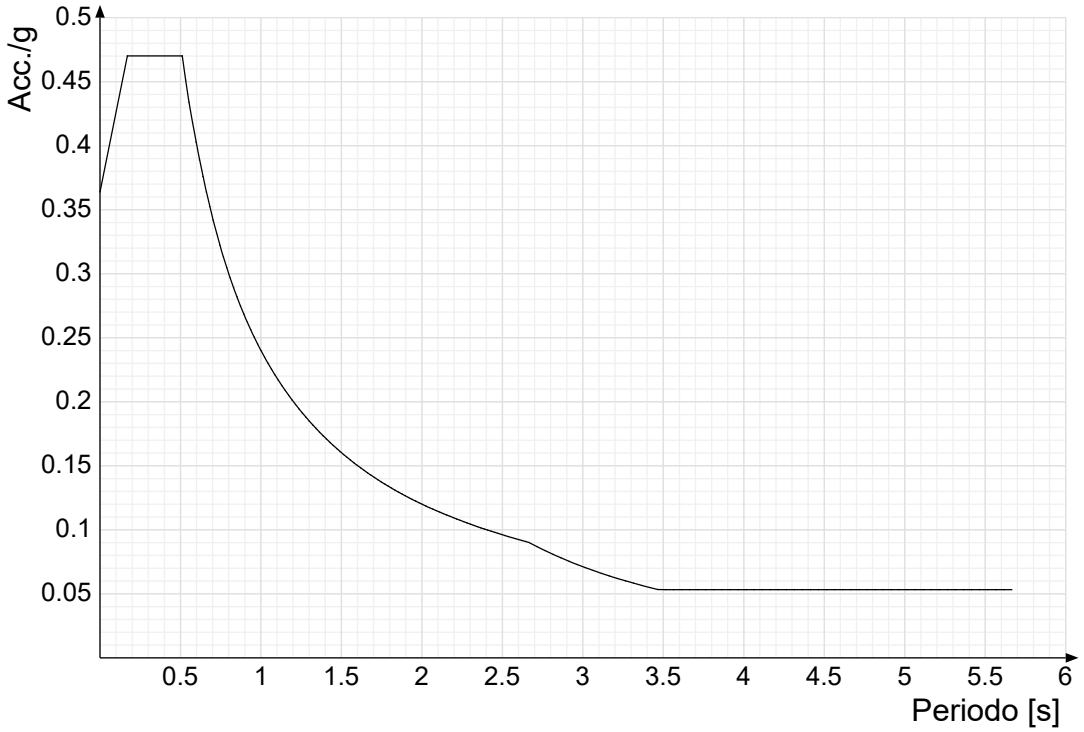
Spettro di risposta di progetto in accelerazione della componente Y SLD § 3.2.3.5



Spettro di risposta di progetto in accelerazione della componente X SLV § 3.2.3.5

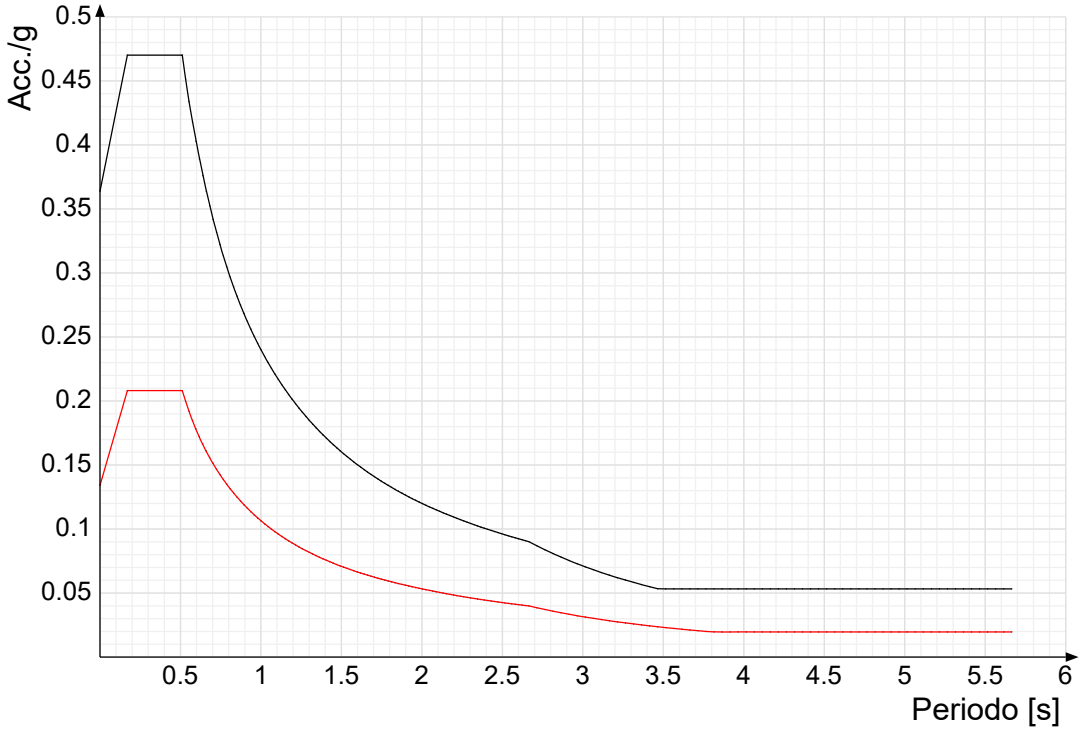


Spettro di risposta di progetto in accelerazione della componente Y SLV § 3.2.3.5

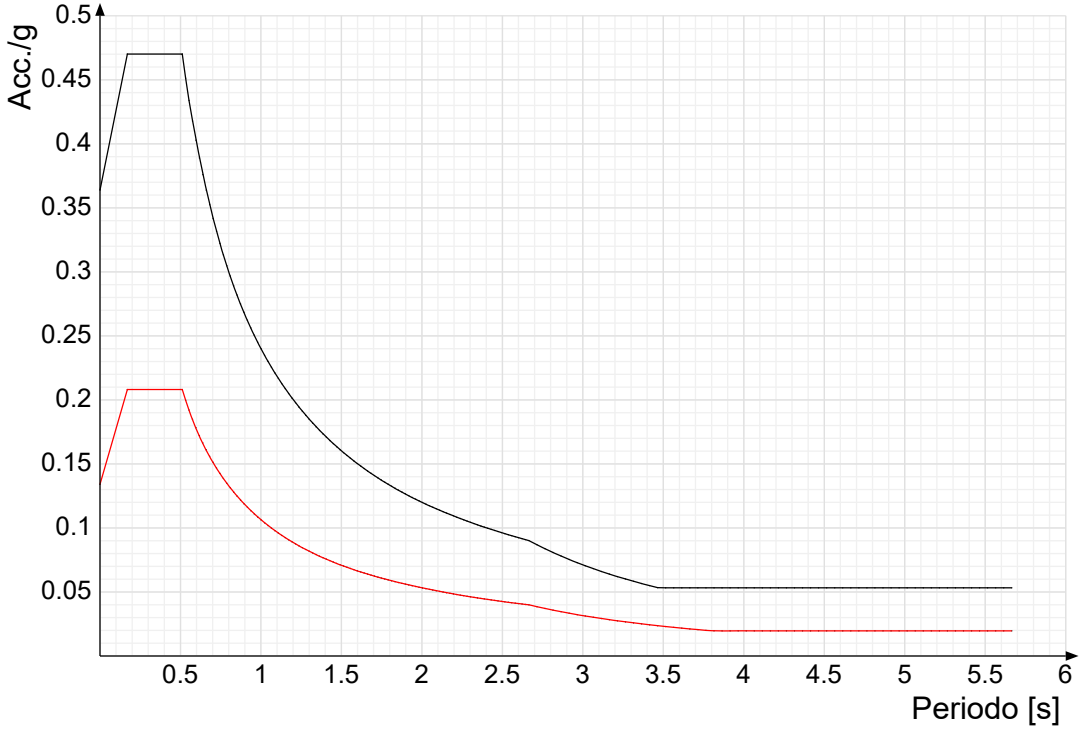


Confronti spettri SLV-SLD

Vengono confrontati lo spettro Spettro di risposta di progetto in accelerazione della componente X SLD § 3.2.3.5 (di colore rosso) e Spettro di risposta di progetto in accelerazione della componente X SLV § 3.2.3.5 (di colore nero).



Vengono confrontati lo spettro Spettro di risposta di progetto in accelerazione della componente Y SLD § 3.2.3.5 (di colore rosso) e Spettro di risposta di progetto in accelerazione della componente Y SLV § 3.2.3.5 (di colore nero).



Preferenze di verifica

Normativa di verifica in uso

Norma di verifica	D.M. 17-01-18 (N.T.C.)
Cemento armato	Preferenze analisi di verifica in stato limite
Legno	Preferenze di verifica legno D.M. 17-01-18 (N.T.C.)
Acciaio	Preferenze di verifica acciaio D.M. 17-01-18 (N.T.C.)
Alluminio	Preferenze di verifica alluminio EC9
Pannelli in gessofibra	Preferenze di verifica pannelli gessofibra D.M. 17-01-18 (N.T.C.)

Normativa di verifica C.A.

Coefficiente di omogeneizzazione	15
γs (fattore di sicurezza parziale per l'acciaio)	1.15
γc (fattore di sicurezza parziale per il calcestruzzo)	1.5
Limite σc/fck in combinazione rara	0.6
Limite σc/fck in combinazione quasi permanente	0.45
Limite σf/fyk in combinazione rara	0.8

Coefficiente di riduzione della τ per cattiva aderenza	0.7	
Dimensione limite fessure w1 §4.1.2.2.4	0.02	[cm]
Dimensione limite fessure w2 §4.1.2.2.4	0.03	[cm]
Dimensione limite fessure w3 §4.1.2.2.4	0.04	[cm]
Fattori parziali di sicurezza unitari per meccanismi duttili di strutture esistenti con fattore q	No	
Copriferro secondo EC2	No	

Preferenze FEM

Dimensione massima ottimale mesh pareti (default)	40	[cm]
Dimensione massima ottimale mesh piastre (default)	40	[cm]
Tipo di mesh dei gusci (default)	Quadrilateri o triangoli	
Tipo di mesh imposta ai gusci	Specifico dell'elemento	
Metodo P-Delta	non utilizzato	
Analisi buckling	non utilizzata	
Rapporto spessore flessionale/membranale gusci muratura verticali	0.2	
Spessori membranale e flessionale pareti XLAM da sole tavole verticali	No	
Moltiplicatore rigidezza connettori pannelli pareti legno a diaframma	1	
Tolleranza di parallelismo	4.99	[deg]
Tolleranza di unicità punti	10	[cm]
Tolleranza generazione nodi di aste	1	[cm]
Tolleranza di parallelismo in suddivisione aste	4.99	[deg]
Tolleranza generazione nodi di gusci	4	[cm]
Tolleranza eccentricità carichi concentrati	100	[cm]
Considera deformazione a taglio delle piastre	No	
Modello elastico pareti in muratura	Gusci	
Concentra masse pareti nei vertici	No	
Segno risultati analisi spettrale	Analisi statica	
Memoria utilizzabile dal solutore	8000000	
Metodo di risoluzione della matrice	Intel MKL PARDISO	
Scrivi commenti nel file di input	No	
Scrivi file di output in formato testo	No	
Solidi colle e corpi ruvidi (default)	Solidi reali	
Moltiplicatore rigidezza molla torsionale applicata ad aste di fondazione	1	
Modello trave su suolo alla Winkler nel caso di modellazione lineare	Equilibrio elastico	

Moltiplicatori inerziali

***Tipologia**: tipo di entità a cui si riferiscono i moltiplicatori inerziali.*
***J2**: moltiplicatore inerziale di J2. Il valore è adimensionale.*
***J3**: moltiplicatore inerziale di J3. Il valore è adimensionale.*
***Jt**: moltiplicatore inerziale di Jt. Il valore è adimensionale.*
***A**: moltiplicatore dell'area della sezione. Il valore è adimensionale.*
***A2**: moltiplicatore dell'area a taglio in direzione 2. Il valore è adimensionale.*
***A3**: moltiplicatore dell'area a taglio in direzione 3. Il valore è adimensionale.*
***Conci rigidi**: fattore di riduzione dei tronchi rigidi. Il valore è adimensionale.*

Tipologia	J2	J3	Jt	A	A2	A3	Conci rigidi
Trave C.A.	1	1	0.01	1	1	1	0.5
Pilastro C.A.	1	1	0.01	1	1	1	0.5
Trave di fondazione	1	1	0.01	1	1	1	0.5
Palo	1	1	0.01	1	1	1	0
Trave in legno	1	1	1	1	1	1	1
Colonna in legno	1	1	1	1	1	1	1
Trave in acciaio	1	1	1	1	1	1	1
Colonna in acciaio	1	1	1	1	1	1	1
Trave di reticolare in acciaio	1	1	1	1	1	1	1
Maschio in muratura	0	1	0	1	1	1	1
Trave di accoppiamento in muratura	0	1	0	1	1	1	1
Trave di scala C.A. nervata	1	1	1	1	1	1	0.5
Trave tralicciata	1	1	0.01	1	1	1	0.5

Preferenze di analisi non lineare FEM

Metodo iterativo	Secante
Tolleranza iterazione	0.00001
Numero massimo iterazioni	50

Preferenze di analisi carichi superficiali

Detrazione peso proprio solai nelle zone di sovrapposizione	applicata	
Metodo di ripartizione	a zone d'influenza	
Percentuale carico calcolato a trave continua	0	
Esegui smoothing diagrammi di carico	applicata	
Tolleranza smoothing altezza trapezi	0.001	[daN/cm]
Tolleranza smoothing altezza media trapezi	0.001	[daN/cm]

Preferenze del suolo

Fondazioni non modellate e struttura bloccata alla base	no	
Fondazioni bloccate orizzontalmente	si	
Considera peso sismico delle fondazioni	no	
Fondazioni superficiali e profonde su suolo elastoplastico	no	
Coefficiente di sottofondo verticale per fondazioni superficiali (default)	3	[daN/cm³]
Rapporto di coefficiente sottofondo orizzontale/verticale	0.5	
Pressione verticale limite sul terreno per abbassamento (default)	10	[daN/cm²]
Pressione verticale limite sul terreno per innalzamento (default)	0.001	[daN/cm²]
Metodo di calcolo della K verticale	Vesic	
Metodo di calcolo della portanza e della pressione limite	Vesic	
Terreno laterale di riporto da piano posa fondazioni (default)	Sabbia grossolana mediamente addensata	
Dimensione massima della discretizzazione del palo (default)	200	[cm]
Moltiplicatore coesione per pressione orizzontale limite nei pali	1	
Moltiplicatore spinta passiva per pressione orizzontale pali	1	
K punta palo (default)	4	[daN/cm³]
Pressione limite punta palo (default)	10	[daN/cm²]
Pressione per verifica schiacciamento fondazioni superficiali	6	[daN/cm²]

Calcola cedimenti fondazioni superficiali	no	
Spessore massimo strato	100	[cm]
Profondità massima	3000	[cm]
Cedimento assoluto ammissibile	5	[cm]
Cedimento differenziale ammissibile	5	[cm]
Cedimento relativo ammissibile	5	[cm]
Rapporto di inflessione F/L ammissibile	0.003333	
Rotazione rigida ammissibile	0.191	[deg]
Rotazione assoluta ammissibile	0.191	[deg]
Distorsione positiva ammissibile	0.191	[deg]
Distorsione negativa ammissibile	0.095	[deg]
Considera fondazioni compensate	no	
Coefficiente di riduzione della a Max attesa	0.3	
Condizione per la valutazione della spinta su pareti	Lungo termine	
Considera l'azione sismica del terreno anche su pareti sotto lo zero sismico	no	
Calcola cedimenti teorici pali	no	
Considera accorciamento del palo	si	
Distanza influenza cedimento palo	1000	[cm]
Distribuzione attrito laterale	Attrito laterale uniforme	
Ripartizione del carico	Ripartizione come da modello FEM	
Scelta terreno laterale	Media pesata degli strati coinvolti	
Scelta terreno punta	Media pesata degli strati coinvolti	
Cedimento assoluto ammissibile	5	[cm]
Cedimento medio ammissibile	5	[cm]
Cedimento differenziale ammissibile	5	[cm]
Rotazione rigida ammissibile	0.191	[deg]
Trascura la coesione efficace in verifica allo scorrimento	si	
Considera inclinazione spinta del terreno contro pareti	no	
Esegui verifica a liquefazione	no	
Metodo di verifica liquefazione	Seed-Idriss (1982)	
Coeff. di sicurezza minimo a liquefazione	1.3	
Magnitudo scaling factor per liquefazione	1	

Preferenze progetto muratura

Forza minima aggancio al piano (default)	0	[daN/cm]
Denominatore per momento ortogonale (default)	8	
Minima resistenza trazione travi (default)	30000	[daN]
Angolo cuneo verifica ribaltamento (default)	30	[deg]
Considera d = 0.8 * h nei maschi senza fibre compresse	No	
Verifica pressoflessione deviata	No	
Considera effetto piastra in presenza di irrigidimenti	Si	

Azioni e carichi

Azione del vento

Zona	Zona 3	
Rugosità	Aree urbane in cui almeno il 15% della superficie sia coperto da edifici la cui altezza media superi i 15m	
Categoria esposizione	V	
Vb	2700	[cm/s]
Tr	50	[cm/s]
Ct	1	[cm/s]
qr	0.00456	[daN/cm²]

Azione della neve

Zona	Zona III	
Classe topografica	Aree in cui non è presente una significativa rimozione di neve sulla costruzione prodotta dal vento, a causa del terreno, altre costruzioni o alberi	
Ce	1	
Ct	1	
Tr	50	
qsk	0.007	[daN/cm²]

Copertura a due falde D.M. 17-01-18 §3.4.3.3

α1	15	[deg]
α2	15	[deg]
μ1,I	0.8	
μ2,I	0.8	
μ1,II	0.4	
μ2,II	0.8	
μ1,III	0.8	
μ2,III	0.4	
q1,I	0.0056	[daN/cm²]
q2,I	0.0056	[daN/cm²]
q1,II	0.0028	[daN/cm²]
q2,II	0.0056	[daN/cm²]
q1,III	0.0056	[daN/cm²]
q2,III	0.0028	[daN/cm²]

μ1,I = 0.8

q1,I = 0.0056

μ2,I = 0.8

q2,I = 0.0056

μ1,II = 0.4

q1,II = 0.0028

μ2,II = 0.8

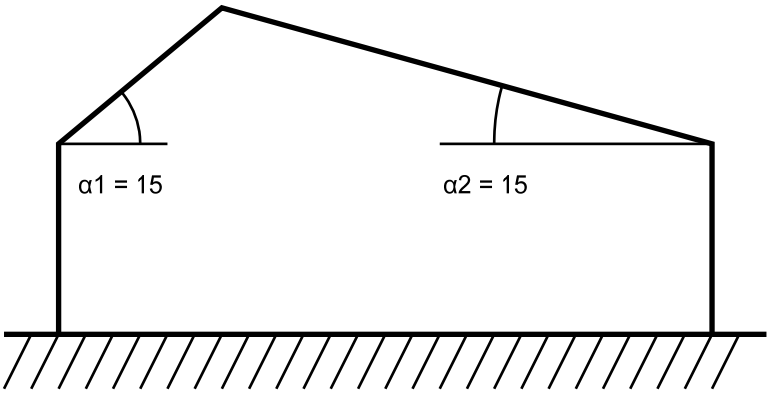
q2,II = 0.0056

μ1,III = 0.8

q1,III = 0.0056

μ2,III = 0.4

q2,III = 0.0028

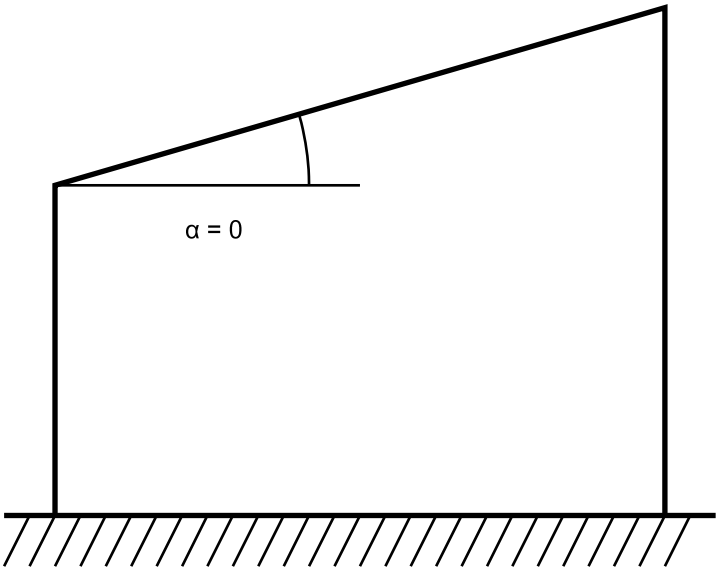


Copertura ad una falda D.M. 17-01-18 §3.4.3.2

α	0	[deg]
μ	0.8	
q	0.0056	[daN/cm²]

μ = 0.8

q = 0.0056



Condizioni elementari di carico

***Descrizione**: nome assegnato alla condizione elementare.*
***Nome breve**: nome breve assegnato alla condizione elementare.*
***Durata**: descrive la durata della condizione (necessario per strutture in legno).*
***ψ0**: coefficiente moltiplicatore ψ0. Il valore è adimensionale.*
***ψ1**: coefficiente moltiplicatore ψ1. Il valore è adimensionale.*
***ψ2**: coefficiente moltiplicatore ψ2. Il valore è adimensionale.*
***Con segno**: descrive se la condizione elementare ha la possibilità di variare di segno.*

Descrizione	Nome breve	Durata	ψ0	ψ1	ψ2	Con segno
Pesi strutturali	Pesi	Permanente				
Permanenti portati	Port.	Permanente				
Variabile H	Variabile H	Media	0	0	0	
Neve	Neve	Media	0.5	0.2	0	
Variabile C	Variabile C	Media	0.7	0.7	0.6	
ΔT	ΔT	Media	0.6	0.5	0	No
Sisma X SLV	X SLV					
Sisma Y SLV	Y SLV					
Sisma Z SLV	Z SLV					
Eccentricità Y per sisma X SLV	EY SLV					
Eccentricità X per sisma Y SLV	EX SLV					
Sisma X SLD	X SLD					
Sisma Y SLD	Y SLD					
Sisma Z SLD	Z SLD					
Eccentricità Y per sisma X SLD	EY SLD					
Eccentricità X per sisma Y SLD	EX SLD					
Sisma X SLO	X SLO					
Sisma Y SLO	Y SLO					
Sisma Z SLO	Z SLO					
Eccentricità Y per sisma X SLO	EY SLO					
Eccentricità X per sisma Y SLO	EX SLO					
Terreno sisma X SLV	Tr x SLV					
Terreno sisma Y SLV	Tr y SLV					
Terreno sisma Z SLV	Tr z SLV					
Terreno sisma X SLD	Tr x SLD					
Terreno sisma Y SLD	Tr y SLD					
Terreno sisma Z SLD	Tr z SLD					
Terreno sisma X SLO	Tr x SLO					
Terreno sisma Y SLO	Tr y SLO					
Terreno sisma Z SLO	Tr z SLO					
Rig. Ux	R Ux					
Rig. Uy	R Uy					
Rig. Rz	R Rz					

Combinazioni di carico

***Nome**: E' il nome esteso che contraddistingue la condizione elementare di carico.*
***Nome breve**: E' il nome compatto della condizione elementare di carico, che viene utilizzato altrove nella relazione.*
***Pesi**: Pesi strutturali*
***Port.**: Permanenti portati*
***Variabile H**: Variabile H*
***Neve**: Neve*
***Variabile C**: Variabile C*
***ΔT**: ΔT*
***X SLO**: Sisma X SLO*
***Y SLO**: Sisma Y SLO*
***Z SLO**: Sisma Z SLO*
***EY SLO**: Eccentricità Y per sisma X SLO*
***EX SLO**: Eccentricità X per sisma Y SLO*
***Tr x SLO**: Terreno sisma X SLO*
***Tr y SLO**: Terreno sisma Y SLO*
***Tr z SLO**: Terreno sisma Z SLO*
***X SLD**: Sisma X SLD*
***Y SLD**: Sisma Y SLD*
***Z SLD**: Sisma Z SLD*
***EY SLD**: Eccentricità Y per sisma X SLD*
***EX SLD**: Eccentricità X per sisma Y SLD*
***Tr x SLD**: Terreno sisma X SLD*
***Tr y SLD**: Terreno sisma Y SLD*
***Tr z SLD**: Terreno sisma Z SLD*
***X SLV**: Sisma X SLV*
***Y SLV**: Sisma Y SLV*
***Z SLV**: Sisma Z SLV*
***EY SLV**: Eccentricità Y per sisma X SLV*
***EX SLV**: Eccentricità X per sisma Y SLV*
***Tr x SLV**: Terreno sisma X SLV*
***Tr y SLV**: Terreno sisma Y SLV*
***Tr z SLV**: Terreno sisma Z SLV*
***R Ux**: Rig. Ux*
***R Uy**: Rig. Uy*
***R Rz**: Rig. Rz*

Tutte le combinazioni di carico vengono raggruppate per famiglia di appartenenza. Le celle di una riga contengono i coefficienti moltiplicatori della i-esima combinazione, dove il valore della prima cella è da intendersi come moltiplicatore associato alla prima condizione elementare, la seconda cella si riferisce alla seconda condizione elementare e così via.

Famiglia SLU

Il nome compatto della famiglia è SLU.

Nome	Nome breve	Pesi	Port.	Variabile H	Neve	Variabile C	ΔT
1	SLU 1	1	0.8	0	0	0	0
2	SLU 2	1	0.8	0	0	1.5	0
3	SLU 3	1	0.8	0	0.75	1.5	0
4	SLU 4	1	0.8	0	1.5	0	0
5	SLU 5	1	0.8	0	1.5	1.05	0
6	SLU 6	1	0.8	1.5	0	0	0
7	SLU 7	1	0.8	1.5	0	1.05	0
8	SLU 8	1	0.8	1.5	0.75	0	0
9	SLU 9	1	0.8	1.5	0.75	1.05	0
10	SLU 10	1	1.5	0	0	0	0
11	SLU 11	1	1.5	0	0	1.5	0
12	SLU 12	1	1.5	0	0.75	1.5	0
13	SLU 13	1	1.5	0	1.5	0	0
14	SLU 14	1	1.5	0	1.5	1.05	0
15	SLU 15	1	1.5	1.5	0	0	0
16	SLU 16	1	1.5	1.5	0	1.05	0
17	SLU 17	1	1.5	1.5	0.75	0	0
18	SLU 18	1	1.5	1.5	0.75	1.05	0
19	SLU 19	1.3	0.8	0	0	0	0
20	SLU 20	1.3	0.8	0	0	1.5	0
21	SLU 21	1.3	0.8	0	0.75	1.5	0
22	SLU 22	1.3	0.8	0	1.5	0	0
23	SLU 23	1.3	0.8	0	1.5	1.05	0
24	SLU 24	1.3	0.8	1.5	0	0	0
25	SLU 25	1.3	0.8	1.5	0	1.05	0
26	SLU 26	1.3	0.8	1.5	0.75	0	0
27	SLU 27	1.3	0.8	1.5	0.75	1.05	0
28	SLU 28	1.3	1.5	0	0	0	0
29	SLU 29	1.3	1.5	0	0	1.5	0
30	SLU 30	1.3	1.5	0	0.75	1.5	0
31	SLU 31	1.3	1.5	0	1.5	0	0
32	SLU 32	1.3	1.5	0	1.5	1.05	0
33	SLU 33	1.3	1.5	1.5	0	0	0
34	SLU 34	1.3	1.5	1.5	0	1.05	0
35	SLU 35	1.3	1.5	1.5	0.75	0	0
36	SLU 36	1.3	1.5	1.5	0.75	1.05	0

Famiglia SLE rara

Il nome compatto della famiglia è SLE RA.

Nome	Nome breve	Pesi	Port.	Variabile H	Neve	Variabile C	ΔT
1	SLE RA 1	1	1	0	0	0	0
2	SLE RA 2	1	1	0	0	1	0
3	SLE RA 3	1	1	0	0.5	1	0
4	SLE RA 4	1	1	0	1	0	0
5	SLE RA 5	1	1	0	1	0.7	0
6	SLE RA 6	1	1	1	0	0	0
7	SLE RA 7	1	1	1	0	0.7	0
8	SLE RA 8	1	1	1	0.5	0	0
9	SLE RA 9	1	1	1	0.5	0.7	0

Famiglia SLE frequente

Il nome compatto della famiglia è SLE FR.

Nome	Nome breve	Pesi	Port.	Variabile H	Neve	Variabile C	ΔT
1	SLE FR 1	1	1	0	0	0	0
2	SLE FR 2	1	1	0	0	0.7	0
3	SLE FR 3	1	1	0	0.2	0	0
4	SLE FR 4	1	1	0	0.2	0.6	0

Famiglia SLE quasi permanente

Il nome compatto della famiglia è SLE QP.

Nome	Nome breve	Pesi	Port.	Variabile H	Neve	Variabile C	ΔT
1	SLE QP 1	1	1	0	0	0	0
2	SLE QP 2	1	1	0	0	0.6	0

Famiglia SLU eccezionale

Il nome compatto della famiglia è SLU EX.

Nome	Nome breve	Pesi	Port.	Variabile H	Neve	Variabile C	ΔT

Famiglia SLO

Il nome compatto della famiglia è SLO.
Poiché il numero di condizioni elementari previste per le combinazioni di questa famiglia è cospicuo, la tabella verrà spezzata in più parti.

Nome	Nome breve	Pesi	Port.	Variabile H	Neve	Variabile C	ΔT	X SLO
1	SLO 1	1	1	0	0	0.6	0	-1
2	SLO 2	1	1	0	0	0.6	0	-1
3	SLO 3	1	1	0	0	0.6	0	-1
4	SLO 4	1	1	0	0	0.6	0	-1
5	SLO 5	1	1	0	0	0.6	0	-0.3
6	SLO 6	1	1	0	0	0.6	0	-0.3
7	SLO 7	1	1	0	0	0.6	0	-0.3
8	SLO 8	1	1	0	0	0.6	0	-0.3
9	SLO 9	1	1	0	0	0.6	0	0.3
10	SLO 10	1	1	0	0	0.6	0	0.3
11	SLO 11	1	1	0	0	0.6	0	0.3
12	SLO 12	1	1	0	0	0.6	0	0.3
13	SLO 13	1	1	0	0	0.6	0	1
14	SLO 14	1	1	0	0	0.6	0	1
15	SLO 15	1	1	0	0	0.6	0	1
16	SLO 16	1	1	0	0	0.6	0	1

Nome	Nome breve	Y SLO	Z SLO	EY SLO	EX SLO	Tr x SLO	Tr y SLO	Tr z SLO
1	SLO 1	-0.3	0	-1	0.3	-1	-0.3	0
2	SLO 2	-0.3	0	1	-0.3	-1	-0.3	0

Nome	Nome breve	Y SLO	Z SLO	EY SLO	EX SLO	Tr x SLO	Tr y SLO	Tr z SLO
3	SLO 3	0.3	0	-1	0.3	-1	0.3	0
4	SLO 4	0.3	0	1	-0.3	-1	0.3	0
5	SLO 5	-1	0	-0.3	1	-0.3	-1	0
6	SLO 6	-1	0	0.3	-1	-0.3	-1	0
7	SLO 7	1	0	-0.3	1	-0.3	1	0
8	SLO 8	1	0	0.3	-1	-0.3	1	0
9	SLO 9	-1	0	-0.3	1	0.3	-1	0
10	SLO 10	-1	0	0.3	-1	0.3	-1	0
11	SLO 11	1	0	-0.3	1	0.3	1	0
12	SLO 12	1	0	0.3	-1	0.3	1	0
13	SLO 13	-0.3	0	-1	0.3	1	-0.3	0
14	SLO 14	-0.3	0	1	-0.3	1	-0.3	0
15	SLO 15	0.3	0	-1	0.3	1	0.3	0
16	SLO 16	0.3	0	1	-0.3	1	0.3	0

Famiglia SLD

Il nome compatto della famiglia è SLD.
Poiché il numero di condizioni elementari previste per le combinazioni di questa famiglia è cospicuo, la tabella verrà spezzata in più parti.

Nome	Nome breve	Pesi	Port.	Variabile H	Neve	Variabile C	ΔT	X SLD
1	SLD 1	1	1	0	0	0.6	0	-1
2	SLD 2	1	1	0	0	0.6	0	-1
3	SLD 3	1	1	0	0	0.6	0	-1
4	SLD 4	1	1	0	0	0.6	0	-1
5	SLD 5	1	1	0	0	0.6	0	-0.3
6	SLD 6	1	1	0	0	0.6	0	-0.3
7	SLD 7	1	1	0	0	0.6	0	-0.3
8	SLD 8	1	1	0	0	0.6	0	-0.3
9	SLD 9	1	1	0	0	0.6	0	0.3
10	SLD 10	1	1	0	0	0.6	0	0.3
11	SLD 11	1	1	0	0	0.6	0	0.3
12	SLD 12	1	1	0	0	0.6	0	0.3
13	SLD 13	1	1	0	0	0.6	0	1
14	SLD 14	1	1	0	0	0.6	0	1
15	SLD 15	1	1	0	0	0.6	0	1
16	SLD 16	1	1	0	0	0.6	0	1

Nome	Nome breve	Y SLD	Z SLD	EY SLD	EX SLD	Tr x SLD	Tr y SLD	Tr z SLD
1	SLD 1	-0.3	0	-1	0.3	-1	-0.3	0
2	SLD 2	-0.3	0	1	-0.3	-1	-0.3	0
3	SLD 3	0.3	0	-1	0.3	-1	0.3	0
4	SLD 4	0.3	0	1	-0.3	-1	0.3	0
5	SLD 5	-1	0	-0.3	1	-0.3	-1	0
6	SLD 6	-1	0	0.3	-1	-0.3	-1	0
7	SLD 7	1	0	-0.3	1	-0.3	1	0
8	SLD 8	1	0	0.3	-1	-0.3	1	0
9	SLD 9	-1	0	-0.3	1	0.3	-1	0
10	SLD 10	-1	0	0.3	-1	0.3	-1	0
11	SLD 11	1	0	-0.3	1	0.3	1	0
12	SLD 12	1	0	0.3	-1	0.3	1	0
13	SLD 13	-0.3	0	-1	0.3	1	-0.3	0
14	SLD 14	-0.3	0	1	-0.3	1	-0.3	0
15	SLD 15	0.3	0	-1	0.3	1	0.3	0
16	SLD 16	0.3	0	1	-0.3	1	0.3	0

Famiglia SLV

Il nome compatto della famiglia è SLV.
Poiché il numero di condizioni elementari previste per le combinazioni di questa famiglia è cospicuo, la tabella verrà spezzata in più parti.

Nome	Nome breve	Pesi	Port.	Variabile H	Neve	Variabile C	ΔT	X SLV
1	SLV 1	1	1	0	0	0.6	0	-1
2	SLV 2	1	1	0	0	0.6	0	-1
3	SLV 3	1	1	0	0	0.6	0	-1
4	SLV 4	1	1	0	0	0.6	0	-1
5	SLV 5	1	1	0	0	0.6	0	-0.3
6	SLV 6	1	1	0	0	0.6	0	-0.3
7	SLV 7	1	1	0	0	0.6	0	-0.3
8	SLV 8	1	1	0	0	0.6	0	-0.3
9	SLV 9	1	1	0	0	0.6	0	0.3
10	SLV 10	1	1	0	0	0.6	0	0.3
11	SLV 11	1	1	0	0	0.6	0	0.3
12	SLV 12	1	1	0	0	0.6	0	0.3
13	SLV 13	1	1	0	0	0.6	0	1
14	SLV 14	1	1	0	0	0.6	0	1
15	SLV 15	1	1	0	0	0.6	0	1
16	SLV 16	1	1	0	0	0.6	0	1

Nome	Nome breve	Y SLV	Z SLV	EY SLV	EX SLV	Tr x SLV	Tr y SLV	Tr z SLV
1	SLV 1	-0.3	0	-1	0.3	-1	-0.3	0
2	SLV 2	-0.3	0	1	-0.3	-1	-0.3	0
3	SLV 3	0.3	0	-1	0.3	-1	0.3	0
4	SLV 4	0.3	0	1	-0.3	-1	0.3	0
5	SLV 5	-1	0	-0.3	1	-0.3	-1	0
6	SLV 6	-1	0	0.3	-1	-0.3	-1	0
7	SLV 7	1	0	-0.3	1	-0.3	1	0
8	SLV 8	1	0	0.3	-1	-0.3	1	0
9	SLV 9	-1	0	-0.3	1	0.3	-1	0
10	SLV 10	-1	0	0.3	-1	0.3	-1	0
11	SLV 11	1	0	-0.3	1	0.3	1	0
12	SLV 12	1	0	0.3	-1	0.3	1	0
13	SLV 13	-0.3	0	-1	0.3	1	-0.3	0
14	SLV 14	-0.3	0	1	-0.3	1	-0.3	0
15	SLV 15	0.3	0	-1	0.3	1	0.3	0
16	SLV 16	0.3	0	1	-0.3	1	0.3	0

Famiglia SLV fondazioni

Il nome compatto della famiglia è SLV FO.
Poiché il numero di condizioni elementari previste per le combinazioni di questa famiglia è cospicuo, la tabella verrà spezzata in più parti.

Nome	Nome breve	Pesi	Port.	Variabile H	Neve	Variabile C	ΔT	X SLV
1	SLV FO 1	1	1	0	0	0.6	0	-1.1
2	SLV FO 2	1	1	0	0	0.6	0	-1.1
3	SLV FO 3	1	1	0	0	0.6	0	-1.1
4	SLV FO 4	1	1	0	0	0.6	0	-1.1
5	SLV FO 5	1	1	0	0	0.6	0	-0.33
6	SLV FO 6	1	1	0	0	0.6	0	-0.33
7	SLV FO 7	1	1	0	0	0.6	0	-0.33
8	SLV FO 8	1	1	0	0	0.6	0	-0.33
9	SLV FO 9	1	1	0	0	0.6	0	0.33
10	SLV FO 10	1	1	0	0	0.6	0	0.33
11	SLV FO 11	1	1	0	0	0.6	0	0.33
12	SLV FO 12	1	1	0	0	0.6	0	0.33
13	SLV FO 13	1	1	0	0	0.6	0	1.1
14	SLV FO 14	1	1	0	0	0.6	0	1.1
15	SLV FO 15	1	1	0	0	0.6	0	1.1
16	SLV FO 16	1	1	0	0	0.6	0	1.1

Nome	Nome breve	Y SLV	Z SLV	EY SLV	EX SLV	Tr x SLV	Tr y SLV	Tr z SLV
1	SLV FO 1	-0.33	0	-1.1	0.33	-1.1	-0.33	0
2	SLV FO 2	-0.33	0	1.1	-0.33	-1.1	-0.33	0
3	SLV FO 3	0.33	0	-1.1	0.33	-1.1	0.33	0
4	SLV FO 4	0.33	0	1.1	-0.33	-1.1	0.33	0
5	SLV FO 5	-1.1	0	-0.33	1.1	-0.33	-1.1	0
6	SLV FO 6	-1.1	0	0.33	-1.1	-0.33	-1.1	0
7	SLV FO 7	1.1	0	-0.33	1.1	-0.33	1.1	0
8	SLV FO 8	1.1	0	0.33	-1.1	-0.33	1.1	0
9	SLV FO 9	-1.1	0	-0.33	1.1	0.33	-1.1	0
10	SLV FO 10	-1.1	0	0.33	-1.1	0.33	-1.1	0
11	SLV FO 11	1.1	0	-0.33	1.1	0.33	1.1	0
12	SLV FO 12	1.1	0	0.33	-1.1	0.33	1.1	0
13	SLV FO 13	-0.33	0	-1.1	0.33	1.1	-0.33	0
14	SLV FO 14	-0.33	0	1.1	-0.33	1.1	-0.33	0
15	SLV FO 15	0.33	0	-1.1	0.33	1.1	0.33	0
16	SLV FO 16	0.33	0	1.1	-0.33	1.1	0.33	0

Famiglia Calcolo rigidezza torsionale/flessionale di piano

Il nome compatto della famiglia è CRTFP.

Nome	Nome breve	R Ux	R Uy	R Rz
Rig. Ux+	CRTFP Ux+	1	0	0
Rig. Ux-	CRTFP Ux-	-1	0	0
Rig. Uy+	CRTFP Uy+	0	1	0
Rig. Uy-	CRTFP Uy-	0	-1	0
Rig. Rz+	CRTFP Rz+	0	0	1
Rig. Rz-	CRTFP Rz-	0	0	-1

Definizioni di carichi superficiali

***Nome**: nome identificativo della definizione di carico.*
***Valori**: valori associati alle condizioni di carico.*
***Condizione**: condizione di carico a cui sono associati i valori.*
***Descrizione**: nome assegnato alla condizione elementare.*
***Valore**: modulo del carico superficiale applicato alla superficie. [daN/cm²]*
***Applicazione**: modalità con cui il carico è applicato alla superficie.*

Nome	Valori		
	Condizione	Valore	Applicazione
	Descrizione		
1 - Solaio Scuola	Pesi strutturali	0.034	Verticale
	Permanenti portati	0.024	Verticale
	Variabile H	0	Verticale
	Neve	0	Verticale
	Variabile C	0.03	Verticale
2 - Scale	Pesi strutturali	0.034	Verticale
	Permanenti portati	0.012	Verticale
	Variabile H	0	Verticale
	Neve	0	Verticale
	Variabile C	0.04	Verticale
3 - Sottotetto Accessibile Cemento Armato	Pesi strutturali	0.034	Verticale
	Permanenti portati	0.008	Verticale
	Variabile H	0.005	Verticale
	Neve	0	Verticale
	Variabile C	0	Verticale
4 - Copertura Legno	Pesi strutturali	0.003	Verticale
	Permanenti portati	0.009	Verticale
	Variabile H	0.005	Verticale
	Neve	0.0056	Verticale
	Variabile C	0	Verticale
5 - Primo Calpestio	Pesi strutturali	0	Verticale
	Permanenti portati	0.024	Verticale
	Variabile H	0	Verticale
	Neve	0	Verticale
	Variabile C	0.03	Verticale
6 - Copertura C.A,	Pesi strutturali	0.034	Verticale
	Permanenti portati	0.012	Verticale
	Variabile H	0.005	Verticale
	Neve	0.0056	Verticale
	Variabile C	0	Verticale
7 - Sottotetto accessibile Controsoffitto	Pesi strutturali	0	Verticale
	Permanenti portati	0.009	Verticale
	Variabile H	0.005	Verticale
	Neve	0	Verticale
	Variabile C	0	Verticale

Quote

Livelli

***Descrizione breve**: nome sintetico assegnato al livello.*
***Descrizione**: nome assegnato al livello.*
***Quota**: quota superiore espressa nel sistema di riferimento assoluto. [cm]*
***Spessore**: spessore del livello. [cm]*

Descrizione breve	Descrizione	Quota	Spessore
L1	Seminterrato	-500	50
L2	Fond 2	-100	50
L3	Piano Terra	-10	24
L4	Piano 1	420	24
L5	Falda 2	730	24
L6	Falda 1	830	10
L7	Piano 2	840	24
L8	Colmo	1030	10

Falde

***Descrizione breve**: nome sintetico assegnato alla falda.*
***Descrizione**: nome assegnato alla falda.*
***Sp.**: spessore del piano della falda. [cm]*
***Primo punto**: primo punto di definizione del piano dell'estradosso della falda.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Quota**: quota. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Secondo punto**: secondo punto di definizione del piano dell'estradosso della falda.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Quota**: quota. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Terzo punto**: terzo punto di definizione del piano dell'estradosso della falda.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Quota**: quota. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*

Descrizione breve	Descrizione	Sp.	Primo punto			Secondo punto			Terzo punto		
			X	Y	Quota	X	Y	Quota	X	Y	Quota
F1	Falda 2	24	3836.2	4949.4	Falda 2	3836.2	4570.9	Piano 2	4551.7	4566	Piano 2
F2	Falda 1	24	5631.2	3511.5	Piano 2	5634.8	4611.3	Piano 2	5081.9	4065.4	Colmo
F3	Falda 3	24	2691.2	4616.8	Piano 2	2687.9	4065.3	Colmo	5088.1	4065.4	Colmo
F4	Falda 4	24	5631.2	3511.2	Piano 2	5083.9	4065.4	Colmo	3008.7	4064.8	Colmo
F5	Falda 5	24	3007.7	3516.6	Piano 2	3010.2	4065.3	Colmo	2686.2	4065.3	Colmo
F6	Falda 6	24	2219.9	1167.4	Piano 2	3041.2	1162.4	Piano 2	2501.2	1775.8	Colmo
F7	Falda 7	24	3008.7	3535.5	Piano 2	2501.3	3835.8	Colmo	2501.2	3544.9	Colmo
F8	Falda 8	24	1881.9	1453.5	Piano 2	2221.2	1169.8	Piano 2	2501.2	1778.4	Colmo
F9	Falda 9	24	3039.6	1154.6	Piano 2	3049.1	3510.9	Piano 2	2501.2	3530.1	Colmo
F10	Falda 10	24	2503.3	3835.8	Colmo	1881.2	3565.4	Piano 2	1881.2	1452.4	Piano 2

Tronchi

***Descrizione breve**: nome sintetico assegnato al tronco.*
***Descrizione**: nome assegnato al tronco.*
***Quota 1**: riferimento della prima quota di definizione del tronco. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Quota 2**: riferimento della seconda quota di definizione del tronco. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*

Descrizione breve	Descrizione	Quota 1	Quota 2
T1	Seminterrato - Piano Terra	Seminterrato	Piano Terra
T2	Fond 2 - Piano Terra	Fond 2	Piano Terra
T3	Piano Terra - Piano 1	Piano Terra	Piano 1
T4	Piano 1 - Piano 2	Piano 1	Piano 2
T5	Piano 1 - Falda 2	Piano 1	Falda 2
T6	Piano 2 - Colmo	Piano 2	Colmo
T7	Piano 2 - Falda 10	Piano 2	Falda 10
T8	Piano 2 - Falda 7	Piano 2	Falda 7

Elementi di input

Fili fissi

Fili fissi di piano

***Livello**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Punto**: punto di inserimento.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Estradosso**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Angolo**: angolo misurato dal semiasse positivo delle ascisse in verso antiorario. [deg]*
***Tipo**: tipo di simbolo.*
***T.c.**: testo completo visualizzato accanto al filo fisso, costituito dalla concatenazione del prefisso e del testo.*

Livello	Punto	Estradosso	Angolo	Tipo	T.c.	Livello	Punto	Estradosso	Angolo	Tipo	T.c.

	X	Y						X	Y				
L1	3856.2	4951	0	0	Croce	1	L1	2226.2	1451	0	0	Croce	71
L1	1881.2	1456	0	0	Croce	70	L1	3031.2	1778.5	0	0	Croce	69
L1	2226.2	1778.5	0	0	Croce	68	L1	1881.2	1783.5	0	0	Croce	67
L1	3031.2	2048.5	0	0	Croce	66	L1	2226.2	2048.5	0	0	Croce	65
L1	1881.2	2053.5	0	0	Croce	64	L1	3031.2	2306	0	0	Croce	63
L1	2713.7	2306	0	0	Croce	62B	L1	2478.7	1451	0	0	Croce	71A
L1	2483.7	2306	0	0	Croce	62A	L1	1881	2310.9	0	0	Croce	61
L1	3031.2	2613.5	0	0	Croce	60	L1	2226.2	2613.5	0	0	Croce	59
L1	1881.2	2618.5	0	0	Croce	58	L1	3031.2	2898.5	0	0	Croce	57
L1	2230.9	2898.4	0	0	Croce	56	L1	1881.2	2903.5	0	0	Croce	55
L1	3031.2	3221	0	0	Croce	54	L1	2713.7	3221	0	0	Croce	53
L1	2501.2	3226	0	0	Croce	52A	L1	2226.2	2306	0	0	Croce	62
L1	2711.2	1451	0	0	Croce	71B	L1	3031.2	1451	0	0	Croce	72
L1	2226.2	1166	0	0	Croce	73	L1	1560.8	3706	0	0	Croce	25C
L1	1926.2	4241	0	0	Croce	25B	L1	1561.2	4241	0	0	Croce	25A
L1	2191.2	3881	0	0	Croce	29B	L1	1926.2	3881	0	0	Croce	29A
L1	1881.2	3566	0	0	Croce	36C	L1	1231.2	3566	0	0	Croce	36A
L1	1566.2	3226	0	0	Croce	49C	L1	1231.2	3226	0	0	Croce	49B
L1	901	3226.1	0	0	Croce	49A	L1	901	2901.3	0	0	Croce	54A
L1	901.2	2616	0	0	Croce	57A	L1	1566.2	2306	0	0	Croce	60C
L1	1231.2	2306	0	0	Croce	60B	L1	901.3	2306.1	0	0	Croce	60A
L1	2733.7	826	0	0	Croce	76B	L1	2523.7	826	0	0	Croce	76A
L1	2841.2	826	0	0	Croce	77	L1	2226.2	826	0	0	Croce	76
L1	2841.2	1166	0	0	Croce	74	L1	3031.2	1166	0	0	Croce	75
L1	2713.7	1166	0	0	Croce	73B	L1	2523.7	1166	0	0	Croce	73A
L1	2226.2	3221	0	0	Croce	51	L1	1926.2	3706	0	0	Croce	25D
L1	1881.2	3226	0	0	Croce	50	L1	5621.2	3521	0	0	Croce	48
L1	4163.7	4226	0	0	Croce	20	L1	3836.2	4225.4	0	0	Croce	19
L1	3568.7	4226	0	0	Croce	18	L1	3298.7	4226	0	0	Croce	17
L1	3011.2	4226	0	0	Croce	16	L1	2713.7	4226	0	0	Croce	15
L1	2221.2	4226	0	0	Croce	15A	L1	5621.2	4606	0	0	Croce	14
L1	5303.7	4606	0	0	Croce	13	L1	5046.2	4606	0	0	Croce	12
L1	4433.7	4226	0	0	Croce	21	L1	4741.2	4611	0	0	Croce	11
L1	4433.7	4606	0	0	Croce	9A	L1	4163.7	4606	0	0	Croce	9
L1	3831.2	4611	0	0	Croce	8	L1	3588.7	4606	0	0	Croce	7
L1	3318.7	4606	0	0	Croce	6	L1	3031.2	4606	0	0	Croce	5
L1	2713.7	4606	0	0	Croce	4	L1	2221.2	4611	0	0	Croce	4A
L1	4551.2	4951	0	0	Croce	3	L1	4163.7	4951	0	0	Croce	2
L1	4551.2	4606	0	0	Croce	10	L1	4741.2	4226	0	0	Croce	22
L1	5046.2	4226	0	0	Croce	23	L1	5303.7	4225.9	0	0	Croce	24
L1	5323.7	3520.9	0	0	Croce	47	L1	5066.2	3520.9	0	0	Croce	46
L1	4761.2	3521	0	0	Croce	45	L1	4453.7	3521	0	0	Croce	44
L1	4183.7	3521	0	0	Croce	43	L1	3876.2	3521	0	0	Croce	42
L1	3588.7	3521	0	0	Croce	41	L1	3318.7	3521	0	0	Croce	40
L1	3031.2	3520.8	0	0	Croce	39	L1	2226.2	3561	0	0	Croce	38
L1	2396.2	3666	0	0	Croce	37	L1	5621.2	3833.5	0	0	Croce	36
L1	4741.2	3833.5	0	0	Croce	35	L1	3836.2	3833.5	0	0	Croce	34
L1	3011.2	3836	0	0	Croce	33	L1	2713.7	3836	0	0	Croce	32
L1	2397.5	3835.4	0	0	Croce	31	L1	2226.2	3836	0	0	Croce	30
L1	5621.2	4011	0	0	Croce	29	L1	4741.2	4011	0	0	Croce	28
L1	3836.2	4011	0	0	Croce	27	L1	3031.2	4011	0	0	Croce	26
L1	5621.2	4226	0	0	Croce	25	L1	2396.2	3386	0	0	Croce	49
L1	1560	3563	0	0	Croce	36B							

Travi C.A.

Travi C.A. di piano

***Sezione**: riferimento ad una definizione di sezione C.A..*
***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. SA=Sinistra anima, CA=Centro anima, DA=Destra anima*
***Liv.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Punto i.**: punto di inserimento iniziale.*
  ***X**: coordinata X. [cm]*
  ***Y**: coordinata Y. [cm]*
***Punto f.**: punto di inserimento finale.*
  ***X**: coordinata X. [cm]*
  ***Y**: coordinata Y. [cm]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Mat.**: riferimento ad una definizione di materiale calcestruzzo.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [daN/cm]*

Sezione	P.i.	Liv.	Punto i.		Punto f.		Estr.	Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.
			X	Y	X	Y								
R 45x70	SA	L3	901.3	2306.1	901	3226.1	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 30x50	CA	L3	4161.2	4610.5	4161.2	4896	0	RCK300 LC2	Nessuno; G	0	No	No	No	3.75
R 30x50	CA	L3	3296.2	4291	3296.2	4519.8	0	RCK300 LC2	Nessuno; G	0	No	No	No	3.75
R 30x50	SA	L3	2666.2	4226.5	2291.2	4226.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	3.75
R 30x60	SA	L3	2396.2	3386	2998.7	3386	0	RCK300 LC2	Nessuno; G	0	No	No	No	4.5
R 30x60	DA	L3	3003.7	3666	2251.2	3666	0	RCK300 LC2	Nessuno; G	0	No	No	No	4.5
R 30x60	DA	L3	2396.2	3666	2396.2	3201	0	RCK300 LC2	Nessuno; G	0	No	No	No	4.5
R 30x50	SA	L3	1926.2	3881	2291.2	3881	0	RCK300 LC2	Nessuno; G	0	No	No	No	3.75
R 30x50	SA	L3	1926.2	3516	1926.2	3881	0	RCK300 LC2	Nessuno; G	0	No	No	No	3.75
R 40x50	SA	L3	1561.2	3696	1926.2	3696	0	RCK300 LC2	Nessuno; G	0	No	No	No	5
R 40x50	SA	L3	1560.8	3706	1561.2	4241	0	RCK300 LC2	Nessuno; G	0	No	No	No	5
R 30x50	SA	L3	1926.2	3706	1560.8	3706	0	RCK300 LC2	Nessuno; G	0	No	No	No	3.75
R 40x50	SA	L3	1926.2	4241	1926.2	3706	0	RCK300 LC2	Nessuno; G	0	No	No	No	5
R 30x50	SA	L3	2986.2	4227.1	2726.2	4226.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	3.75
R 45x70	SA	L3	1231.2	3566	2281.2	3566	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88

Sezione	P.i.	Liv.	Punto i.		Punto f.		Estr.	Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.
			X	Y	X	Y								
R 30x50	SA	L3	1561.2	4241	1926.2	4241	0	RCK300 LC2	Nessuno; G	0	No	No	No	3.75
R 45x70	DA	L3	901.3	2306.1	2361.2	2306.1	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L3	901	3226.1	2361.2	3226.1	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L3	1881.2	1803.5	2361.2	1803.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L3	1881.2	2073.5	2361.2	2073.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L3	1881.2	1496	2361.2	1496	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L3	901	2923.8	2361.2	2923.8	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L3	1231.2	2306	1231.2	3566	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L3	1566.2	2306	1561.2	3696	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L3	1881.2	1451	1881.2	3696	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	DA	L3	1881.2	1451	2247.7	1187.9	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L3	901.2	2638.5	2361.2	2638.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	CA	L4	3566.2	3521	3566.2	4611	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	CA	L4	2711.2	3224.5	2711.2	4612.3	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	CA	L4	3296.2	3521	3296.2	4611	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	CA	L4	3008.7	3520.8	3008.7	4612.3	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	CA	L4	2841.2	1188.9	2221.2	1188.9	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	DA	L4	1881.2	1451	2221.2	1166.4	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	CA	L4	2711.2	1166	2711.2	3224.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L4	2221.2	826	2221.2	4611	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	CA	L4	2501.2	1166	2501.2	3226.1	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 30x60	SA	L4	2396.2	3356	2396.2	3666	0	RCK300 LC2	Nessuno; G	0	No	No	No	4.5
R 30x60	SA	L4	2396.2	3666	2733.7	3666	0	RCK300 LC2	Nessuno; G	0	No	No	No	4.5
R 30x60	DA	L4	2221.2	3356	2733.7	3356	0	RCK300 LC2	Nessuno; G	0	No	No	No	4.5
R 45x70	SA	L4	2221.2	4271	5621.2	4271	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L4	5621.2	3971	2688.7	3971	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L4	5621.2	3793.5	2221.2	3796	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L4	3831.2	4956	4551.4	4956.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L4	4551.4	4956.5	4551.7	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	CA	L4	3853.7	3521	3853.7	4956	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L4	2221.2	4611	5621.2	4611	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	CA	L4	4161.2	4609.8	4161.2	4956	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	CA	L4	4161.2	3521	4161.2	4609.8	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	CA	L4	4431.2	3521	4431.2	4611	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L4	901.3	2306.1	901	3226.1	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L4	901	3226.1	3031.2	3226.1	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	DA	L4	901.3	2306.1	3031.2	2306.1	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L4	1881.2	1803.5	3031.2	1803.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L4	1881.2	2073.5	3031.2	2073.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L4	901.2	2638.5	3031.2	2638.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L4	901	2923.8	3031.2	2923.8	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L4	1231.2	2306	1231.2	3566	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L4	1881.2	1496	3031.2	1496	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L4	1881.2	1451	1881.2	3696	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L4	1231.2	3566	2266.2	3566	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 40x50	SA	L4	1561.2	3696	1926.2	3696	0	RCK300 LC2	Nessuno; G	0	No	No	No	5
R 30x50	SA	L4	1926.2	3516	1926.2	3881	0	RCK300 LC2	Nessuno; G	0	No	No	No	3.75
R 30x50	SA	L4	1926.2	3881	2221.2	3881	0	RCK300 LC2	Nessuno; G	0	No	No	No	3.75
R 45x70	CA	L4	5301.2	3520.9	5301.2	4609.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	CA	L4	5043.7	3520.9	5043.7	4609.8	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	CA	L4	4738.7	3521	4738.7	4609.8	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 45x70	SA	L4	1566.2	2306	1561.2	3696	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.88
R 40x70	CA	L7	2711.2	3795.6	2711.2	4612.3	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	SA	L7	2221.2	826	2221.2	3841	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 30x60	SA	L7	2396.2	3186	2396.2	3841	0	RCK300 LC2	Nessuno; G	0	No	No	No	4.5
R 40x70	SA	L7	5621.2	3971	2988.7	3971	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	SA	L7	5621.2	3793.5	2221.2	3796	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	DA	L7	1881.2	2306.1	3031.2	2306.1	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	SA	L7	1881.2	2923.8	3031.2	2923.8	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	SA	L7	1881.2	2638.5	3031.2	2638.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	SA	L7	1881.2	3566	3031.2	3566	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	DA	L7	1881.2	1451	2221.2	1166.4	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	SA	L7	1881.2	3226.1	3031.2	3226.1	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	CA	L7	2841.2	1188.9	2221.2	1188.9	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	SA	L7	1881.2	1451	1881.2	3566	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	CA	L7	3296.2	3521	3296.2	4611	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	CA	L7	3566.2	3521	3566.2	4611	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	CA	L7	3853.7	3521	3853.7	4611.7	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	CA	L7	4161.2	3521	4161.2	4609.8	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	CA	L7	4431.2	3521	4431.2	4611	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	CA	L7	4738.7	3521	4738.7	4609.8	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	CA	L7	5043.7	3520.9	5043.7	4609.8	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	CA	L7	5301.2	3520.9	5301.2	4609.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	SA	L7	2688.7	4271	5621.2	4271	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	SA	L7	1881.2	2073.5	3031.2	2073.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	SA	L7	1881.2	1803.5	3031.2	1803.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	SA	L7	1881.2	1496	3031.2	1496	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	CA	L7	3008.7	3520.8	3008.7	4612.3	0	RCK300 LC2	Nessuno; G	0	No	No	No	7
R 40x70	SA	L7	2688.7	4611	5621.2	4611	0	RCK300 LC2	Nessuno; G	0	No	No	No	7

Travi C.A. di falda

***Sezione**: riferimento ad una definizione di sezione C.A..*
***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. SA=Sinistra anima, CA=Centro anima, DA=Destra anima*
***Fal.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Punto i.**: punto di inserimento iniziale.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Punto f.**: punto di inserimento finale.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Mat.**: riferimento ad una definizione di materiale calcestruzzo.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*

***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [daN/cm]*

Sezione	P.i.	Fal.	Punto i.		Punto f.		Estr.	Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.
			X	Y	X	Y								
R 40x40	CA	F3	4161.2	4609.8	4161.2	4956	0	RCK300 LC2	Nessuno; G	0	No	No	No	4
R 40x40	SA	F3	3831.2	4956	4551.4	4956.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	4
R 40x40	SA	F3	4551.4	4956.5	4551.7	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	4
R 40x40	CA	F3	3853.7	4611.7	3853.7	4956	0	RCK300 LC2	Nessuno; G	0	No	No	No	4

Travi di fondazione

Fondazioni di travi

***Descrizione breve**: descrizione breve usata nelle tabelle dei capitoli delle travi di fondazione.*
***Stratigrafia**: stratigrafia del terreno nel punto medio in pianta dell'elemento.*
***Angolo pendio**: angolo del pendio rispetto l'orizzontale; il valore deve essere positivo per opere in sommità di un pendio mentre deve essere negativo per opere al piede di un pendio. [deg]*
***K verticale**: coefficiente di sottofondo verticale del letto di molle. [daN/cm³]*
***Limite compressione**: pressione limite di plasticizzazione a compressione del letto di molle. [daN/cm²]*
***Limite trazione**: pressione limite di plasticizzazione a trazione del letto di molle. [daN/cm²]*
***Magrone**: presenza e caratteristiche dell'eventuale magrone.*
***Terreno riporto**: caratteristiche dell'eventuale terreno di riporto presente lateralmente all'elemento di fondazione. Esso costituisce un sovraccarico agente sul piano di posa.*

Descrizione breve	Stratigrafia	Angolo pendio	K verticale	Limite compressione	Limite trazione	Magrone	Terreno riporto
FT1	Piu' vicino in sito : 0	0	Default (3)	Default (10)	Default (0.001)	No	Si; Default (Sabbia grossolana mediamente addensata); Default (84); 0
FT2	Piu' vicino in sito : 0	0	Default (3)	Default (10)	Default (0.001)	No	Si; Default (Sabbia grossolana mediamente addensata); Default (90); 0

Travi di fondazione C.A. di piano

***Sezione**: riferimento ad una definizione di sezione C.A..*
***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. SA=Sinistra anima, CA=Centro anima, DA=Destra anima*
***Liv.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Punto i.**: punto di inserimento iniziale.*
  ***X**: coordinata X. [cm]*
  ***Y**: coordinata Y. [cm]*
***Punto f.**: punto di inserimento finale.*
  ***X**: coordinata X. [cm]*
  ***Y**: coordinata Y. [cm]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Mat.**: riferimento ad una definizione di materiale calcestruzzo.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [daN/cm]*
***Fond.**: riferimento alla fondazione sottostante l'elemento.*

Sezione	P.i.	Liv.	Punto i.		Punto f.		Estr.	Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.	Fond.
			X	Y	X	Y									
TR (20+20+45)x84	CA	L1	923.8	2328.6	923.8	3246	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
TR (20+20+45)x84	CA	L1	1881.2	1451	2243.7	1204.6	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
TR (20+20+45)x84	CA	L1	881.3	2328.6	2361.2	2328.6	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
TR (20+20+45)x84	CA	L1	1253.7	2328.5	1253.7	3586	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
TR (20+20+45)x84	CA	L1	1588.6	2328.6	1588.6	3694.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
TR (20+20+45)x84	CA	L1	1253.7	3543.5	1611.2	3543.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
TR (20+20+45)x84	CA	L1	1861.2	2901	2361.2	2901	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
TR (20+20+45)x84	CA	L1	1861.2	2616	2361.2	2616	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
TR (20+20+45)x84	CA	L1	1903.7	3203.5	1903.7	1417.4	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
TR (20+20+45)x84	CA	L1	1903.7	3203.5	1903.7	3696	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
TR (20+20+45)x84	CA	L1	923.5	3203.6	2361.2	3203.6	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
TR (20+20+45)x84	CA	L1	1903.7	1781	2361.2	1781	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
TR (20+20+45)x84	CA	L1	1560.8	3756	1924.7	3756	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1

Sezione	P.i.	Liv.	Punto i.		Punto f.		Estr.	Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.	Fond.
			X	Y	X	Y									
TR (20+20+45)x84	CA	L1	1903.7	1473.5	2221.2	1473.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
TR (20+20+45)x84	CA	L1	1580.8	3706	1580.8	4261	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
TR (20+20+45)x84	CA	L1	1906.2	3706	1906.2	4261	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
R 60x90	CA	L1	3861.2	4956	3861.2	4522.3	0	RCK300 LC2	Nessuno; G	0	No	No	No	13.5	FT2
TR (20+20+45)x84	CA	L1	2361.2	3861	1866.2	3861	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
TR (20+20+45)x84	CA	L1	1881.2	3543.5	2277.1	3543.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
TR (20+20+45)x84	CA	L1	1903.7	2051	2361.2	2051	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
TR (20+20+45)x84	CA	L1	1580	4216.2	1946.2	4216.2	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
TR (20+20+45)x84	CA	L3	4738.7	3576	4738.7	4519.8	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
TR (20+20+45)x84	SA	L3	3831.2	3576	3831.2	4520	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
TR (20+20+45)x84	SA	L3	5566.2	4226	3511.2	4226	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
TR (20+20+45)x84	SA	L3	2976.2	2306	2361.2	2306.1	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1
TR (20+20+45)x84	SA	L3	2976.2	1451	2523.7	1452.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	12.45	FT1

Pilastri C.A.

***Tr.**: riferimento al tronco indicante la quota inferiore e superiore.*
***Sezione**: riferimento ad una definizione di sezione C.A..*
***P.i.**: posizione del punto di inserimento rispetto alla geometria della sezione. SS=Sinistra-sotto, SC=Sinistra-centro, SA=Sinistra-alto, CS=Centro-sotto, CC=Centro-centro, CA=Centro-alto, DS=Destra-sotto, DC=Destra-centro, DA=Destra-alto*
***Punto**: posizione del punto di inserimento rispetto alla geometria della sezione.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Ang.**: angolo misurato dal semiasse positivo delle ascisse in verso antiorario. [deg]*
***Mat.**: riferimento ad una definizione di calcestruzzo.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [daN/cm]*
***Corr.**: lista di elementi correlati all'elemento generati durante la modellazione.*

Tr.	Sezione	P.i.	Punto		Ang.	Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.	Corr.
			X	Y									
T1	R 45x45	SA	1881.2	3696	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	730
T1	R 45x45	SA	1231.2	3566	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	732
T1	R 45x45	SA	1566.2	3226	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	733
T1	R 45x45	SA	1881.2	2923.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	734
T1	R 45x45	SA	1881.2	2638.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	735
T1	R 45x45	SA	1881	2350.9	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	736
T1	R 45x45	SA	1566.2	2351	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	737
T1	R 45x45	SA	1231.2	2351	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	738
T1	R 45x45	SA	901.3	2351.1	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	739
T1	R 45x45	SA	901.2	2638.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	740
T1	R 45x45	SA	901	2923.8	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	741
T1	R 45x45	SA	1881.2	2073.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	743
T1	R 45x45	SA	1881.2	1496	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	744
T1	R 40x50	SA	1560.8	3756	0	RCK300 LC2	Nessuno; G	0	No	No	No	5	745
T1	R 40x50	SA	1561.2	4241	0	RCK300 LC2	Nessuno; G	0	No	No	No	5	746
T1	R 40x50	DA	1926.2	4241	0	RCK300 LC2	Nessuno; G	0	No	No	No	5	747
T1	R 40x50	SA	1886.2	3756	0	RCK300 LC2	Nessuno; G	0	No	No	No	5	748
T1	R 30x40	SA	1926.2	3881	0	RCK300 LC2	Nessuno; G	0	No	No	No	3	749
T1	R 50x90	DA	1881.2	3566	90	RCK300 LC2	Nessuno; G	0	No	No	No	11.25	750
T1	R 30x40	SA	2191.2	3881	0	RCK300 LC2	Nessuno; G	0	No	No	No	3	751-763
T1	R 30x30	DS	2426.2	3356	0	RCK300 LC2	Nessuno; G	0	No	No	No	2.25	764
T1	R 30x30	DS	2426.2	3636	0	RCK300 LC2	Nessuno; G	0	No	No	No	2.25	765
T1	R 45x45	SA	1561.2	3696	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	731
T1	R 45x45	SA	1881.2	3226	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	729
T1	R 45x45	SA	1881.2	1803.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	742
T1	R 45x45	SA	901	3226.1	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	727
T1	R 45x45	DS	2266.2	3521	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	968
T1	R 45x45	SA	1231.2	3226	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	728
T3	R 45x45	DS	4183.7	4226	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	900
T3	R 45x45	DS	3318.7	3521	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	877
T3	R 45x45	DS	3588.7	3521	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	878
T3	R 45x45	DS	3876.2	3521	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	879
T3	R 45x45	DS	4183.7	3521	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	880
T3	R 45x45	DS	4453.7	3521	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	881
T3	R 45x45	DS	4761.2	3521	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	882
T3	R 45x45	DS	5066.2	3520.9	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	883
T3	R 45x45	DS	5323.7	3520.9	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	884
T3	R 45x45	DS	5621.2	3521	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	885
T3	R 45x45	DS	5621.2	3793.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	886
T3	R 45x45	DS	5066.2	4226	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	898
T3	R 45x45	DS	5621.2	4226	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	888
T3	R 45x45	DS	5621.2	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	889
T3	R 45x45	DS	5323.7	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	890
T3	R 45x45	DS	5066.2	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	891
T3	R 45x45	DS	4551.2	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	892
T3	R 45x45	DS	4453.7	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	893
T3	R 45x45	DS	4183.7	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	894

Tr.	Sezione	P.i.	Punto		Ang.	Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.	Corr.
			X	Y									
T3	R 45x45	DS	4761.2	3793.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	895
T3	R 45x45	DS	4761.2	3971	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	896
T3	R 45x45	DS	5323.7	4225.9	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	897
T3	R 45x45	DS	5621.2	3971	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	887
T3	R 45x45	DS	4453.7	4226	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	899
T3	R 45x45	DS	2266.2	3181	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	865
T3	R 45x45	DS	3876.2	4911	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	904
T3	R 45x45	DS	2266.2	3521	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	967
T3	R 45x65	DA	4761.2	4611	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.31	923
T3	R 45x65	DA	3876.2	4611	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.31	922
T3	R 45x45	DS	3318.7	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	921
T3	R 45x45	DS	3588.7	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	920
T3	R 45x45	DS	2266.2	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	919
T3	R 45x45	DS	3031.2	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	918
T3	R 45x45	DS	2733.7	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	917
T3	R 45x45	DS	2733.7	4226	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	916
T3	R 45x45	DS	2266.2	4226	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	915
T3	R 45x45	DS	3588.7	4226	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	901
T3	R 45x45	DS	2266.2	3796	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	914
T3	R 45x45	DS	3031.2	3796	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	912
T3	R 45x45	DS	3031.2	3971	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	911
T3	R 45x45	DS	3031.2	4226	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	910
T3	R 45x45	DS	3318.7	4226	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	909
T3	R 45x65	DS	3876.2	4225.4	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.31	908
T3	R 45x65	DS	4761.2	4226	0	RCK300 LC2	Nessuno; G	0	No	No	No	7.31	907
T3	R 45x45	DS	3876.2	3971	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	906
T3	R 45x45	DS	3876.2	3793.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	905
T3	R 45x45	DS	4183.7	4911	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	903
T3	R 45x45	DS	3031.2	3520.8	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	866-876
T3	R 45x45	DS	2733.7	3796	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	913
T3	R 45x45	DS	4551.2	4911	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	902
T3	R 45x45	SA	901	3226.1	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	1
T3	R 45x45	DS	2523.7	1451	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	818
T3	R 30x30	DS	2426.2	3636	0	RCK300 LC2	Nessuno; G	0	No	No	No	2.25	430
T3	R 30x30	DS	2426.2	3356	0	RCK300 LC2	Nessuno; G	0	No	No	No	2.25	429
T3	R 30x40	SA	2191.2	3881	0	RCK300 LC2	Nessuno; G	0	No	No	No	3	21
T3	R 50x90	DA	1881.2	3566	90	RCK300 LC2	Nessuno; G	0	No	No	No	11.25	20
T3	R 30x40	SA	1926.2	3881	0	RCK300 LC2	Nessuno; G	0	No	No	No	3	19
T3	R 45x45	SA	1881.2	1496	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	18
T3	R 45x45	SA	1881.2	2073.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	17
T3	R 45x45	SA	1881.2	1803.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	16
T3	R 45x45	SA	901	2923.8	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	15
T3	R 45x45	SA	901.2	2638.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	14
T3	R 45x45	DS	2266.2	1451	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	817
T3	R 45x45	SA	901.3	2351.1	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	13
T3	R 45x45	SA	1566.2	2351	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	11
T3	R 45x45	SA	1881	2350.9	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	10
T3	R 45x45	SA	1881.2	2638.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	9
T3	R 45x45	SA	1881.2	2923.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	8
T3	R 45x45	SA	1566.2	3226	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	7
T3	R 45x45	SA	1561.2	3696	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	5
T3	R 45x45	SA	1881.2	3696	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	4
T3	R 45x45	SA	1881.2	3226	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	3
T3	R 45x45	SA	1231.2	3226	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	2
T3	R 45x45	DS	2523.7	3181	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	864
T3	R 45x45	SA	1231.2	2351	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	12
T3	R 45x45	SA	1231.2	3566	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	6
T3	R 45x45	DS	2733.7	3181	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	863
T3	R 45x45	DS	2266.2	2593.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	859
T3	R 45x45	DS	3031.2	3181	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	862
T3	R 45x45	DS	2733.7	1451	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	819
T3	R 45x45	DS	3031.2	2878.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	861
T3	R 45x45	DS	2266.2	2878.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	860
T3	R 45x45	DS	3031.2	2593.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	858
T3	R 45x45	DS	3031.2	2306	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	857
T3	R 45x45	DS	2733.7	2306	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	856
T3	R 45x45	DS	2523.7	2306	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	855
T3	R 45x45	DS	2266.2	2306	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	854
T3	R 45x45	DS	2266.2	2028.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	853
T3	R 45x45	DS	3031.2	2028.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	852
T3	R 45x45	DS	3031.2	1451	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	820
T3	R 45x45	DS	2733.7	1166	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	833
T3	R 45x45	DS	3031.2	1758.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	851
T3	R 45x45	DS	2841.2	1166	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	822-832
T3	R 45x45	DS	2523.7	1166	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	834
T3	R 45x45	DS	3031.2	1166	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	821
T3	R 45x45	DS	2266.2	1758.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	850
T3	R 45x45	DS	2266.2	826	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	836-846
T3	R 45x45	DS	2523.7	826	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	847
T3	R 45x45	DS	2733.7	826	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	848
T3	R 45x45	DS	2841.2	826	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	849
T3	R 45x45	DS	2266.2	1166	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	835
T4	R 40x40	DS	4183.7	4226	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1085
T4	R 40x40	DS	4183.7	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1079
T4	R 40x40	DS	4453.7	4226	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1084
T4	R 40x40	DS	5066.2	4226	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1083
T4	R 40x40	DS	5323.7	4225.9	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1082
T4	R 40x40	DS	4761.2	3971	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1081
T4	R 40x40	DS	4761.2	3793.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1080
T4	R 40x40	DS	4453.7	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1078
T5	R 40x40	DS	4551.2	4911	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1087
T4	R 40x40	DS	4551.2	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1077
T4	R 40x40	DS	5066.2	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1076
T4	R 40x40	DS	5323.7	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1075
T4	R 40x40	DS	5621.2	4226	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1073
T4	R 40x40	DS	5621.2	3971	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1072
T4	R 40x40	DS	5621.2	3793.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1071
T4	R 40x40	DS	5621.2	3521	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1070
T4	R 40x40	DS	3588.7	4226	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1086
T4	R 40x40	DS	5323.7	3520.9	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1069

Tr.	Sezione	P.i.	Punto		Ang.	Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.	Corr.
			X	Y									
T4	R 40x40	DS	5066.2	3520.9	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1068
T4	R 40x40	DS	5621.2	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1074
T4	R 40x40	DS	4453.7	3521	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1066
T4	R 40x40	DS	2733.7	3796	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1098
T4	R 40x40	DS	2266.2	3521	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1107
T4	R 40x40	DS	4761.2	3521	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1067
T4	R 40x60	DA	4761.2	4611	0	RCK300 LC2	Nessuno; G	0	No	No	No	6	1106
T4	R 40x60	DA	3876.2	4611	0	RCK300 LC2	Nessuno; G	0	No	No	No	6	1105
T4	R 40x40	DS	3318.7	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1104
T4	R 40x40	DS	3588.7	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1103
T4	R 40x40	DS	3031.2	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1102
T4	R 40x40	DS	2733.7	4566	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1101
T5	R 40x40	DS	4183.7	4911	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1088
T4	R 40x40	DS	2733.7	4226	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1100
T4	R 40x40	DS	3031.2	3796	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1097
T4	R 40x40	DS	3031.2	3971	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1096
T4	R 40x40	DS	3031.2	4226	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1095
T4	R 40x40	DS	3318.7	4226	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1094
T4	R 40x60	DS	3876.2	4225.4	0	RCK300 LC2	Nessuno; G	0	No	No	No	6	1093
T4	R 40x60	DS	4761.2	4226	0	RCK300 LC2	Nessuno; G	0	No	No	No	6	1092
T4	R 40x40	DS	3876.2	3971	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1091
T4	R 40x40	DS	3876.2	3793.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1090
T4	R 40x40	DS	2266.2	3796	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1099
T5	R 40x40	DS	3876.2	4911	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1089
T4	R 45x45	DS	2733.7	1451	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	1349
T4	R 40x40	DS	4183.7	3521	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1065
T4	R 40x40	DS	2523.7	1166	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1040
T4	R 40x40	DS	2733.7	1166	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1039
T4	R 40x40	DS	2841.2	1166	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1038
T4	R 40x40	DS	3031.2	1166	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1037
T4	R 40x40	DS	3031.2	1451	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1036
T4	R 40x40	DS	2266.2	1451	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1035
T4	R 30x30	DS	2426.2	3636	0	RCK300 LC2	Nessuno; G	0	No	No	No	2.25	1034
T4	R 30x30	DS	2426.2	3356	0	RCK300 LC2	Nessuno; G	0	No	No	No	2.25	1033
T4	R 40x40	DS	2266.2	826	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1042
T4	R 30x40	SA	2191.2	3566	0	RCK300 LC2	Nessuno; G	0	No	No	No	3	1032
T4	R 40x40	SA	1881.2	1496	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1030
T4	R 40x40	SA	1881.2	2073.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1029
T4	R 40x40	SA	1881.2	1803.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1028
T4	R 40x40	SA	1881	2350.9	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1027
T4	R 40x40	SA	1881.2	2638.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1026
T4	R 40x40	SA	1881.2	2923.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1025
T4	R 40x40	SA	1881.2	3226	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1024
T4	R 45x45	DS	2523.7	1451	0	RCK300 LC2	Nessuno; G	0	No	No	No	5.06	1348
T4	R 40x80	DA	1881.2	3566	90	RCK300 LC2	Nessuno; G	0	No	No	No	8	1031
T4	R 40x40	DS	2266.2	1166	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1041
T4	R 40x40	DS	2523.7	826	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1043
T4	R 40x40	DS	3876.2	3521	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1064
T4	R 40x40	DS	3588.7	3521	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1063
T4	R 40x40	DS	3318.7	3521	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1062
T4	R 40x40	DS	3031.2	3520.8	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1061
T4	R 40x40	DS	2266.2	3181	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1060
T4	R 40x40	DS	2733.7	3181	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1059
T4	R 40x40	DS	3031.2	3181	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1058
T4	R 40x40	DS	3031.2	2878.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1057
T4	R 40x40	DS	2266.2	2878.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1056
T4	R 40x40	DS	2733.7	826	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1044
T4	R 40x40	DS	2266.2	2593.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1055
T4	R 40x40	DS	3031.2	2306	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1053
T4	R 40x40	DS	2733.7	2306	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1052
T4	R 40x40	DS	2523.7	2306	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1051
T4	R 40x40	DS	2266.2	2306	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1050
T4	R 40x40	DS	2266.2	2028.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1049
T4	R 40x40	DS	3031.2	2028.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1048
T4	R 40x40	DS	3031.2	1758.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1047
T4	R 40x40	DS	2266.2	1758.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1046
T4	R 40x40	DS	3031.2	2593.5	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1054
T4	R 40x40	DS	2841.2	826	0	RCK300 LC2	Nessuno; G	0	No	No	No	4	1045

Pareti in muratura

***Tr.**: riferimento al tronco indicante la quota inferiore e superiore.*
***Sp.**: spessore misurato in direzione ortogonale al piano medio dell'elemento. [cm]*
***P.i.**: posizione del punto di inserimento rispetto ad una sezione verticale, vista dal punto iniziale verso il punto finale.*
***Punto i.**: punto iniziale in pianta.*
  ***X**: coordinata X. [cm]*
  ***Y**: coordinata Y. [cm]*
***Punto f.**: punto finale in pianta.*
  ***X**: coordinata X. [cm]*
  ***Y**: coordinata Y. [cm]*
***Materiale**: riferimento ad una definizione di materiale muratura.*
***Car.pot.**: riferimento alla definizione di un carico potenziale. Accetta anche il valore "Nessuno".*
***DeltaT**: riferimento alla definizione di una variazione termica. Accetta anche il valore "Nessuno".*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***P.sup.**: peso per unità di superficie. [daN/cm²]*
***Aperture**: riferimenti a tutti gli elementi che forano la parete.*

Tr.	Sp.	P.i.	Punto i.		Punto f.		Materiale	Car.pot.	DeltaT	Sovr.	S.Z	P.sup.	Aperture
			X	Y	X	Y							

Tr.	Sp.	P.i.	Punto i.		Punto f.		Materiale	Car.pot.	DeltaT	Sovr.	S.Z	P.sup.	Aperture
			X	Y	X	Y							
T1	60	Destra	2221.2	3828.5	2221.2	3201	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.114	W53
T1	55	Destra	2851.2	816	2851.2	1234.6	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1045	
T1	55	Destra	2221.2	816	2851.2	816	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1045	
T1	60	Sinistra	4551.4	4956	4551.4	4522.3	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.114	
T1	60	Sinistra	3831.2	4956	4551.2	4956	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.114	W9, W10
T1	60	Destra	3831.2	4956	3831.2	4522.3	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.114	
T1	50	Destra	3511.2	4206	3511.1	4610.3	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.095	
T1	85	Sinistra	3511.2	4206	2955.5	4205	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1615	
T1	65	Sinistra	2956.2	4246.4	2956.3	4609.8	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1235	W8
T1	95	Destra	3052.2	3176	3050.4	4246.5	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1805	
T1	140	Destra	2221.2	4611	2221.2	3796	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.266	W1
T1	90	Sinistra	2220.2	4609.8	5631.2	4609.8	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.171	W5, W6
T1	65	Destra	2221.1	3796	3051.2	3796	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1235	W4
T1	50	Sinistra	2221.2	3226	3041.2	3226	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.095	
T1	140	Destra	2221.2	3201	2221.2	1464.7	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.266	

Tr.	Sp.	P.i.	Punto i.		Punto f.		Materiale	Car.pot.	DeltaT	Sovr.	S.Z	P.sup.	Aperture
			X	Y	X	Y							
T1	60	Destra	2841.2	1234.6	2221.2	1234.6	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.114	W3
T1	45	Sinistra	2526.2	1494.7	2531	1174.6	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.0855	
T1	45	Sinistra	2221.2	816	2221.2	1464.7	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.0855	W2
T1	60	Destra	2221.2	1434.7	2526.2	1434.7	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.114	
T1	65	Destra	2731.8	3795.9	2730	4611	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1235	W7
T2	55	Sinistra	5911.2	3901	5566.2	3901	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1045	
T2	55	Sinistra	5911.2	4612.3	5911.2	3901	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1045	
T2	55	Sinistra	5566.2	4612.3	5911.2	4612.3	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1045	
T2	65	Destra	3041.2	1156	3041.2	3226.1	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1235	
T2	65	Sinistra	5631.2	3511	2956.8	3510.9	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1235	
T2	80	Sinistra	2796.2	1234.6	3041.2	1234.6	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.152	
T2	65	Destra	5631.2	3511	5631.2	4612.3	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1235	
T3	55	Sinistra	5631.2	3511	2986.2	3510.9	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1045	W24, W25, W26, W27, W28, W29, W30, W31, W32
T3	55	Destra	3041.2	1156	3041.2	3563.6	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1045	W16, W17, W18, W19, W20, W21, W22, W23
T3	55	Destra	2851.2	816	2851.2	1234.6	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1045	W15

Tr.	Sp.	P.i.	Punto i.		Punto f.		Materiale	Car.pot.	DeltaT	Sovr.	S.Z	P.sup.	Aperture
			X	Y	X	Y							
T3	55	Sinistra	5911.2	4612.3	5911.2	3901	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1045	
T3	55	Destra	5631.2	3511	5631.2	4612.3	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1045	W13
T3	55	Sinistra	5911.2	3901	5566.2	3901	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1045	W12
T3	55	Sinistra	5566.2	4612.3	5911.2	4612.3	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1045	W11
T3	55	Destra	2221.2	816	2851.2	816	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1045	W14
T3	80	Sinistra	2796.2	1234.6	3041.2	1234.6	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.152	
T4	55	Sinistra	5631.2	3511	2986.2	3510.9	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1045	W44, W45, W46, W47, W48, W49, W50, W51, W52
T4	55	Destra	5631.2	3511	5631.2	4612.3	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1045	W33
T4	55	Destra	2221.2	816	2851.2	816	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1045	W34
T4	55	Destra	2851.2	816	2851.2	1234.6	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1045	W35
T4	80	Sinistra	2796.2	1234.6	3041.2	1234.6	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.152	
T4	55	Destra	3041.2	1156	3041.2	3565.9	Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I			0	No	0.1045	W36, W37, W38, W39, W40, W41, W42, W43

Aperture su pareti

***Desc.**: descrizione breve dell'apertura utilizzata dalle pareti.*
***Tr.**: riferimento al tronco indicante la quota inferiore e superiore.*
***Sp.**: spessore misurato in direzione ortogonale al piano medio dell'elemento. [cm]*
***P.i.**: posizione del punto di inserimento rispetto ad una sezione verticale, vista dal punto iniziale verso il punto finale.*
***Porta**: apertura fino al pavimento o presenza della chiusura inferiore.*
***Architrave**: presenza della chiusura superiore o apertura fino al soffitto.*
***Larghezza**: larghezza della finestra. [cm]*
***Altezza**: altezza della finestra. [cm]*
***Dist.inf.**: distanza dalla quota inferiore. [cm]*
***Dist.lat.**: distanza dal punto di riferimento. [cm]*
***Punto di rif.**: primo punto di riferimento in pianta.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Punto di dir.**: secondo punto in pianta che, in coppia col punto di riferimento, definisce la direzione e quindi il piano verticale su cui giace l'apertura.*

***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*

Desc.	Tr.	Sp.	P.i.	Porta	Architrave	Larghezza	Altezza	Dist.inf.	Dist.lat.	Punto di rif.		Punto di dir.	
										X	Y	X	Y
W10	T1	60	Sinistra	No	Si	80	220	30	479.1	3831.2	4956	4551.2	4956
W9	T1	60	Sinistra	No	Si	100	220	30	89	3831.2	4956	4551.2	4956
W6	T1	90	Sinistra	No	Si	100	240	100	850.9	2220.2	4609.8	5631.2	4609.8
W8	T1	65	Sinistra	No	Si	100	190	30	86.8	2956.2	4227.1	2956.3	4609.8
W5	T1	90	Sinistra	No	Si	100	310	30	200.3	2220.2	4609.8	5631.2	4609.8
W2	T1	45	Sinistra	No	Si	180	250	30	420	2221.2	826	2221.2	1473.5
W7	T1	65	Destra	No	Si	90	210	30	505.9	2731.8	3795.9	2730	4611
W4	T1	65	Destra	No	Si	130	250	30	550	2221.1	3796	3051.2	3796
W53	T1	60	Destra	No	Si	100	300	30	70	2221.2	3841	2221.2	3181
W3	T1	60	Destra	No	Si	120	250	30	440.2	2841.2	1234.6	2221.2	1234.6
W1	T1	140	Destra	No	Si	216	115	150	455.8	2221.2	4611	2221.2	3796
W18	T3	55	Destra	No	Si	130	240	20	1551.9	3041.2	1156	3041.2	3226.1
W13	T3	55	Destra	No	Si	140	250	20	850	5631.2	3511	5631.2	4612.3
W11	T3	55	Sinistra	No	Si	120	235	20	100.7	5566.2	4612.3	5911.2	4612.3
W14	T3	55	Destra	No	Si	115	270	20	48.7	2221.2	816	2851.2	816
W15	T3	55	Destra	No	Si	110	280	20	81.2	2851.2	816	2851.2	1234.6
W23	T3	55	Destra	No	Si	150	360	20	88.8	3041.2	1156	3041.2	3226.1
W22	T3	55	Destra	No	Si	130	240	20	425.6	3041.2	1156	3041.2	3226.1
W20	T3	55	Destra	No	Si	140	240	20	978.7	3041.2	1156	3041.2	3226.1
W19	T3	55	Destra	No	Si	130	240	20	1264.8	3041.2	1156	3041.2	3226.1
W17	T3	55	Destra	No	Si	130	240	20	1849.4	3041.2	1156	3041.2	3226.1
W21	T3	55	Destra	No	Si	130	240	20	711.5	3041.2	1156	3041.2	3226.1
W24	T3	55	Sinistra	No	Si	130	240	20	126.4	5631.2	3511	2986.2	3510.9
W16	T3	55	Destra	No	Si	150	360	20	88.1	3041.2	3201	3041.2	3510.9
W12	T3	55	Sinistra	No	Si	170	370	20	85	5911.2	3901	5566.2	3901
W25	T3	55	Sinistra	No	Si	140	240	20	403.4	5631.2	3511	2986.2	3510.9
W26	T3	55	Sinistra	No	Si	130	240	20	676.7	5631.2	3511	2986.2	3510.9
W27	T3	55	Sinistra	No	Si	130	240	20	990.5	5631.2	3511	2986.2	3510.9
W32	T3	55	Sinistra	No	Si	130	240	20	2417	5631.2	3511	2986.2	3510.9
W29	T3	55	Sinistra	No	Si	130	240	20	1581.5	5631.2	3511	2986.2	3510.9
W30	T3	55	Sinistra	No	Si	130	240	20	1882.4	5631.2	3511	2986.2	3510.9
W31	T3	55	Sinistra	No	Si	140	240	20	2157.3	5631.2	3511	2986.2	3510.9
W28	T3	55	Sinistra	No	Si	140	240	20	1291.7	5631.2	3511	2986.2	3510.9
W35	T4	55	Destra	No	Si	110	280	20	81.2	2851.2	816	2851.2	1234.6
W37	T4	55	Destra	No	Si	130	240	20	1849.4	3041.2	1156	3041.2	3226.1
W43	T4	55	Destra	No	Si	130	240	20	88.8	3041.2	1156	3041.2	3226.1
W42	T4	55	Destra	No	Si	130	240	20	425.6	3041.2	1156	3041.2	3226.1
W41	T4	55	Destra	No	Si	130	240	20	711.5	3041.2	1156	3041.2	3226.1
W40	T4	55	Destra	No	Si	140	240	20	978.7	3041.2	1156	3041.2	3226.1
W39	T4	55	Destra	No	Si	130	240	20	1264.8	3041.2	1156	3041.2	3226.1
W38	T4	55	Destra	No	Si	130	240	20	1551.9	3041.2	1156	3041.2	3226.1
W36	T4	55	Destra	No	Si	130	240	20	88.1	3041.2	3201	3041.2	3510.9
W33	T4	55	Destra	No	Si	140	250	20	850	5631.2	3511	5631.2	4612.3
W51	T4	55	Sinistra	No	Si	140	240	20	2157.3	5631.2	3511	2986.2	3510.9
W50	T4	55	Sinistra	No	Si	130	240	20	1882.4	5631.2	3511	2986.2	3510.9
W49	T4	55	Sinistra	No	Si	130	240	20	1581.5	5631.2	3511	2986.2	3510.9
W47	T4	55	Sinistra	No	Si	130	240	20	990.5	5631.2	3511	2986.2	3510.9
W46	T4	55	Sinistra	No	Si	130	240	20	676.7	5631.2	3511	2986.2	3510.9
W45	T4	55	Sinistra	No	Si	140	240	20	403.4	5631.2	3511	2986.2	3510.9
W44	T4	55	Sinistra	No	Si	130	240	20	126.4	5631.2	3511	2986.2	3510.9
W34	T4	55	Destra	No	Si	100	240	20	48.7	2221.2	816	2851.2	816
W52	T4	55	Sinistra	No	Si	130	240	20	2417	5631.2	3511	2986.2	3510.9
W48	T4	55	Sinistra	No	Si	140	240	20	1291.7	5631.2	3511	2986.2	3510.9

Carichi superficiali

Comportamenti membranali

***Descrizione breve**: descrizione breve usata nelle tabelle dei carichi superficiali.*
***Materiale**: riferimento ad una definizione di calcestruzzo.N.B.: il peso degli elementi finiti membrana non viene computato.*
***Spessore**: spessore degli elementi membrana generati dalla modellazione. [cm]*
***Variazione termica**: riferimento alla definizione di una variazione termica. Accetta anche il valore "Nessuno".*

Descrizione breve	Materiale	Spessore	Variazione termica
ME1	RCK300 LC2	5	Nessuno

Carichi superficiali di piano

***Carico**: riferimento alla definizione di un carico di superficie.*
***Solaio**: caratteristiche dell'eventuale solaio in latero-cemento.*
***Liv.**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Punti**: punti di definizione in pianta.*
***Indice**: indice del punto corrente nell'insieme dei punti di definizione dell'elemento.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Angolo**: direzione delle nervature che trasmettono il carico.Angolo misurato dal semiasse positivo delle ascisse in verso antiorario. [deg]*
***Comp.**: descrizione sintetica del comportamento del carico superficiale o, nel caso di comportamento membranale, riferimento alla decrizione analitica della membrana.*
***Fori**: riferimenti a tutti gli elementi che forano il carico superficiale.*

Carico	Solaio	Liv.	Punti			Estr.	Angolo	Comp.	Fori
			Indice	X	Y				
1 - Solaio Scuola	C.A.; Ner 10*(24+6)/50; RCK300 LC2; X0; 500	L3	1	1881.2	2306.1	0	90	ME1	
			2	1881.2	1451				
			3	2221.2	1204.6				
			4	2221.2	3881				
			5	1926.2	3881				
			6	1926.2	3696				
			7	1561.2	3696				

Carico	Solaio	Liv.	Punti			Estr.	Angolo	Comp.	Fori
			Indice	X	Y				
			8	1561.7	3567.2				
			9	1231.2	3566				
			10	1231.2	3226.1				
			11	901	3226.1				
			12	901.3	2306.1				
5 - Primo Calpestio	C.A.; Ner 10*(24+6)/50; RCK300 LC2; X0; 500	L3	1	3008.7	1188.5	0	0	Nessuno	
			2	3008.7	3203.5				
			3	2243.7	3203.5				
			4	2243.7	1473.5				
			5	2501.2	1473.5				
			6	2501.2	1189.7				
1 - Solaio Scuola	C.A.; Ner 10*(24+6)/50; RCK300 LC2; X0; 500	L3	1	4521.4	4566	0	90	ME1	
			2	4521.4	4926				
			3	3861.2	4926				
			4	3861.2	4564.8				
1 - Solaio Scuola	C.A.; Ner 10*(24+6)/50; RCK300 LC2; X0; 500	L3	1	2291.2	3828.5	0	0	ME1	
			2	3003.4	3828.5				
			3	3002.9	4247.6				
			4	3486.2	4248.4				
			5	3486.1	4565.2				
			6	2291.2	4564.8				
2 - Scale	C.A.; Ner 10*(24+6)/50; RCK300 LC2; X0; 500	L3	1	2818.7	843.5	0	90	ME1	
			2	2818.7	1188.5				
			3	2243.7	1190.8				
			4	2243.7	843.5				
5 - Primo Calpestio	C.A.; Ner 10*(24+6)/50; RCK300 LC2; X0; 500	L3	1	3008.7	3543.3	0	90	Nessuno	
			2	5598.7	3543.3				
			3	5598.7	3928.5				
			4	5883.7	3928.5				
			5	5883.7	4584.8				
			6	3486.1	4584				
			7	3484.3	4248.4				
			8	3003.5	4248.4				
6 - Copertura C.A,	C.A.; Ner 10*(24+6)/50; RCK300 LC2; X0; 500	L3	1	1560.8	3706	0	0	ME1	
			2	1924.7	3706				
			3	1926.2	4241				
			4	1561.2	4239.5				
2 - Scale	C.A.; Ner 10*(24+6)/50; RCK300 LC2; X0; 500	L3	1	2411.2	3201	0	90	ME1	
			2	2411.2	3651				
			3	2251.2	3651				
			4	2251.2	3203.6				
1 - Solaio Scuola	C.A.; Ner 10*(24+6)/50; RCK300 LC2; X0; 500	L3	1	2998.7	3201	0	90	ME1	
			2	3003.7	3828.5				
			3	2251.2	3828.5				
			4	2251.2	3651				
			5	2411.2	3651				
			6	2411.2	3201				
1 - Solaio Scuola	C.A.; Ner 10*(24+6)/50; RCK300 LC2; X0; 500	L3	1	2221.2	1496	0	270.9	ME1	
			2	2221.2	1206.9				
			3	2530.6	1204.6				
			4	2526.2	1496				
2 - Scale	C.A.; Ner 10*(24+6)/50; RCK300 LC2; X0; 500	L4	1	2818.7	843.5	0	90	ME1	
			2	2818.7	1188.5				
			3	2243.7	1190.8				
			4	2243.7	843.5				
1 - Solaio Scuola	C.A.; Ner 10*(24+6)/50; RCK300 LC2; X0; 500	L4	1	3008.7	1188.5	0	90	ME1	H1
			2	3013.7	3203.6				
			3	2712.2	3203.6				
			4	2712.2	3371				
			5	2243.7	3371				
			6	2243.7	3543.5				
			7	1903.7	3543.5				
			8	1903.7	3673.5				
			9	1583.7	3673.5				
			10	1584.2	3543.5				
			11	1253.7	3543.5				
			12	1253.7	3203.6				
			13	923.5	3203.6				
			14	923.8	2328.6				
			15	1903.7	2328.6				
			16	1903.7	1461.5				
			17	2243.7	1188.5				
1 - Solaio Scuola	C.A.; Ner 10*(24+6)/50; RCK300 LC2; X0; 500	L4	1	2243.7	3543.5	0	0	ME1	
			2	2243.7	3866				
			3	1941.2	3866				
			4	1941.2	3543.5				
2 - Scale	C.A.; Ner 10*(24+6)/50; RCK300 LC2; X0; 500	L4	1	2411.2	3371	0	90	ME1	
			2	2411.2	3651				
			3	2711.2	3651				
			4	2711.2	3818.5				
			5	2243.7	3818.5				
			6	2243.7	3370.7				
1 - Solaio Scuola	C.A.; Ner 10*(24+6)/50; RCK300 LC2; X0; 500	L4	1	2712.2	3371	0	0	ME1	
			2	2711.2	3651				
			3	2411.2	3651				
			4	2411.2	3371				

Carico	Solaio	Liv.	Punti			Estr.	Angolo	Comp.	Fori
			Indice	X	Y				
1 - Solaio Scuola	C.A.; Ner 10*(24+6)/50; RCK300 LC2; X0; 500	L4	1	2711.2	3818.5	0	0	ME1	
			2	2712.2	3203.6				
			3	3013.7	3203.6				
			4	3008.7	3538.4				
			5	5603.7	3538.5				
			6	5603.7	3928.5				
			7	5883.7	3928.5				
			8	5883.7	4584.8				
			9	2243.7	4588.5				
			10	2243.7	3818.5				
1 - Solaio Scuola	C.A.; Ner 10*(24+6)/50; RCK300 LC2; X0; 500	L4	1	4529.1	4586.2	0	90	ME1	
			2	4528.9	4934				
			3	3853.7	4934				
			4	3853.7	4588.5				
7 - Sottotetto accessibile Controsoffitto		L7	1	3013.7	1184.7	0	90	Nessuno	
			2	3013.7	3208.4				
			3	2226.2	3193.4				
			4	2241.2	3546				
			5	1901.2	3543.5				
			6	1901.2	1478.8				
			7	2243.7	1188.5				
7 - Sottotetto accessibile Controsoffitto		L7	1	3008.7	3204.8	0	90	Nessuno	
			2	3008.7	3540				
			3	5608.5	3538.5				
			4	5600.7	4591				
			5	2711.2	4593.1				
			6	2713.7	3816				
			7	2237.8	3816				
			8	2239.7	3207.6				
3 - Sottotetto Accessibile Cemento Armato	C.A.; Ner 10*(24+6)/50; RCK300 LC2; X0; 500	L7	1	2241.2	843.5	0	90	ME1	
			2	2819.1	843.5				
			3	2823.7	1185.6				
			4	2241.2	1192.1				

Carichi superficiali di falda

***Carico**: riferimento alla definizione di un carico di superficie.*
***Solaio**: caratteristiche dell'eventuale solaio in latero-cemento.*
***Falda**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Punti**: punti di definizione in pianta.*
***Indice**: indice del punto corrente nell'insieme dei punti di definizione dell'elemento.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Angolo**: direzione delle nervature che trasmettono il carico.Angolo misurato dal semiasse positivo delle ascisse in verso antiorario. [deg]*
***Comp.**: descrizione sintetica del comportamento del carico superficiale o, nel caso di comportamento membranale, riferimento alla decrizione analitica della membrana.*
***Fori**: riferimenti a tutti gli elementi che forano il carico superficiale.*

Carico	Solaio	Falda	Punti			Estr.	Angolo	Comp.	Fori
			Indice	X	Y				
4 - Copertura Legno	Legno; Travi 12x12/50; OLD Massic. cl.3; 1; 500; 400	F2	1	5627.7	4613.7	0	90	Nessuno	
			2	5045.2	4066.5				
			3	5613.1	3529.7				
6 - Copertura C.A,	C.A.; Ner 10*(24+6)/50; RCK300 LC2; X0; 500	F3	1	4529.1	4586.2	0	90	ME1	
			2	4528.9	4934				
			3	3853.7	4934				
			4	3853.7	4588.5				
4 - Copertura Legno	Legno; Travi 12x12/50; OLD Massic. cl.3; 1; 500; 400	F3	1	2687.9	4068.4	0	0	Nessuno	
			2	5051	4058.2				
			3	5631.2	4617				
			4	2691.2	4617				
4 - Copertura Legno	Legno; Travi 12x12/50; OLD Massic. cl.3; 1; 500; 400	F4	1	3016.6	3533.4	0	0	Nessuno	
			2	5618.7	3519.3				
			3	5049.5	4066.1				
			4	2701	4064.4				
			5	2715.3	3819.5				
4 - Copertura Legno	Legno; Travi 12x12/50; OLD Massic. cl.3; 1; 500; 400	F6	1	3039.6	1161.8	0	0	Nessuno	
			2	2510.9	1781				
			3	2225.7	1167.5				
4 - Copertura Legno	Legno; Travi 12x12/50; OLD Massic. cl.3; 1; 500; 400	F7	1	3013.7	3534	0	89.3	Nessuno	
			2	2717.7	3822.7				
			3	2504.8	3822.7				
			4	2501.4	3538.3				
4 - Copertura Legno	Legno; Travi 12x12/50; OLD Massic. cl.3; 1; 500; 400	F8	1	2226.2	1171.5	0	150	Nessuno	
			2	2506.4	1778.9				
			3	1887.3	1462.4				
4 - Copertura Legno	Legno; Travi 12x12/50; OLD Massic. cl.3; 1; 500; 400	F9	1	3016.5	3546.8	0	131.2	Nessuno	
			2	2501.2	3543.3				
			3	2505.4	1780				

Carico	Solaio	Falda	Punti			Estr.	Angolo	Comp.	Fori
			Indice	X	Y				
			4	3043	1166				
4 - Copertura Legno	Legno; Travi 12x12/50; OLD Massic. cl.3; 1; 500; 400	F10	1	2499.6	1773.7	0	90	Nessuno	
			2	2504.8	3821.6				
			3	2242.4	3817.5				
			4	2238.7	3544.3				
			5	1881.2	3552.6				
			6	1881.2	1458.6				

Fori su piastre e carichi superficiali

Fori di piano

***Desc.**: descrizione breve del foro utilizzata dagli elementi forabili come piastre e carichi superficiali.*
***Quota**: quota di inserimento esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Livello**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Estradosso**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Spessore**: spessore misurato in direzione ortogonale al piano medio dell'elemento. [cm]*
***Punti**: punti di definizione in pianta.*
***Indice**: indice del punto corrente nell'insieme dei punti di definizione dell'elemento.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*

Desc.	Quota	Livello	Estradosso	Spessore	Punti		
					Indice	X	Y
H1	Piano 1	L4	0	30	1	2121.2	3376
					2	2221.2	3376
					3	2221.2	3476
					4	2121.2	3476

Comune di Squillace

Provincia di Catanzaro

Piazza Municipio, n° 1, cap 88069, tel. 0961/914020, fax 0961/914019,
e-mail: uff-tecnico-urbanistica@comune.squillace.cz.it, P.I. 00182160796

VERIFICA DELLA VULNERABILITA' SISMICA DELL'EDIFICIO SCOLASTICO "Scuola dell'Infanzia e Primaria via Damiano Assanti n° 15" - codice: 0791420761.

CUP: C89F18000240001 - CIG: ZD125C5F65

Oggetto:

FASCICOLO DEI CALCOLI
DEFINIZIONE MODELLO

Elab. n°
REL.03.B

Scala:

Data: Marzo 2019

Il Responsabile del Procedimento: Arch. Antonio Macaluso

Soggetti incaricati:

Elio CONTE
Architetto
CAPOGRUPPO

SPI SRL
MANDANTE

Ugo Ugati
Geologo
MANDANTE

ORDINE DEGLI ARCHITETTI DELLA PROVINCIA DI CATANZARO
ARCHITETTO
ELIO CONTE
ALBO N. 8590

STUDIO PROGETTAZIONI D'INGEGNERIA-SPI s.r.l.

ORDINE DEI GEOLOGI della Regione Campania
dr. geol. UGO UGATI Albo n. 1649

Agg.	*Agg.*	*Agg.*	*Agg.*

R.T.P. CONTE
c/o Arch. Elio Conte, Via Carlo de Marco n° 135, 80137 Napoli - Tel./fax 081 7517736, e-mail: conte.arch.elio@fastwebnet.it

Rappresentazione del modello

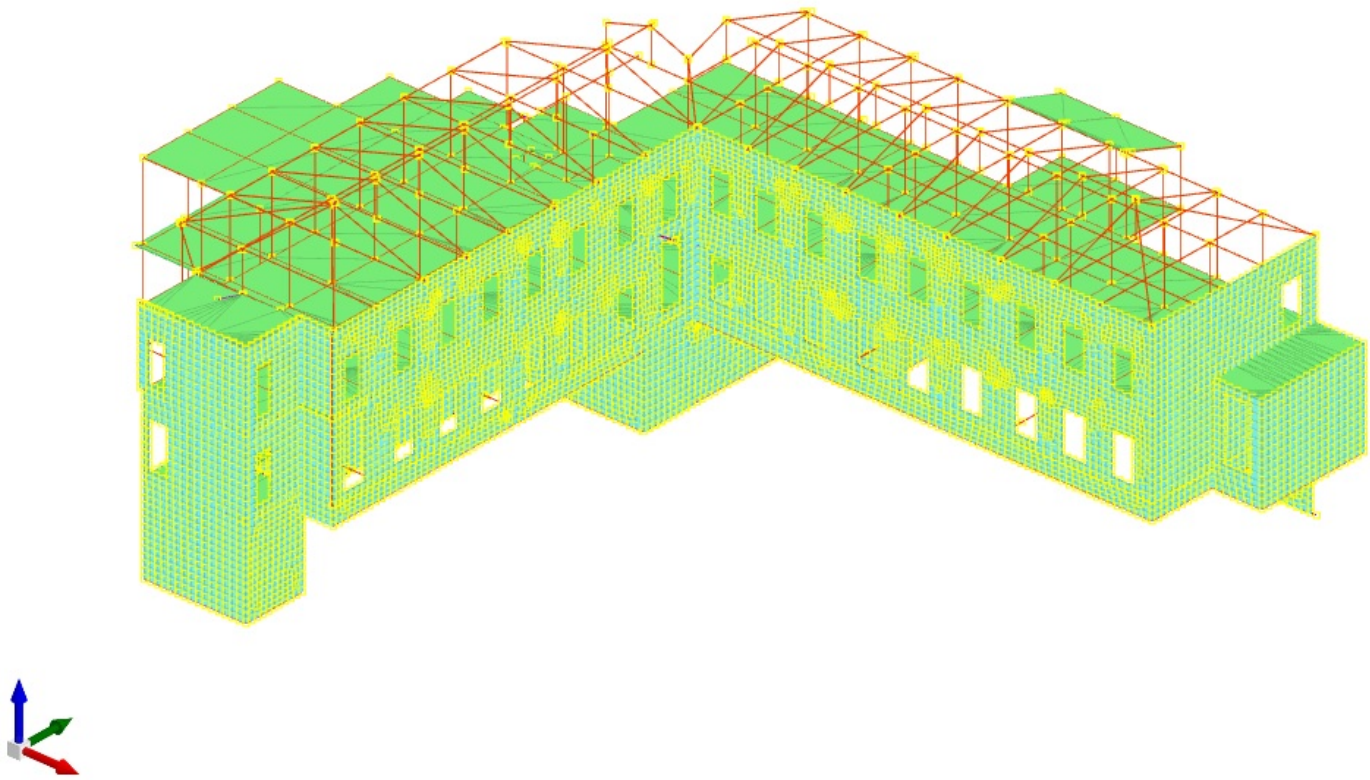


Figura 1

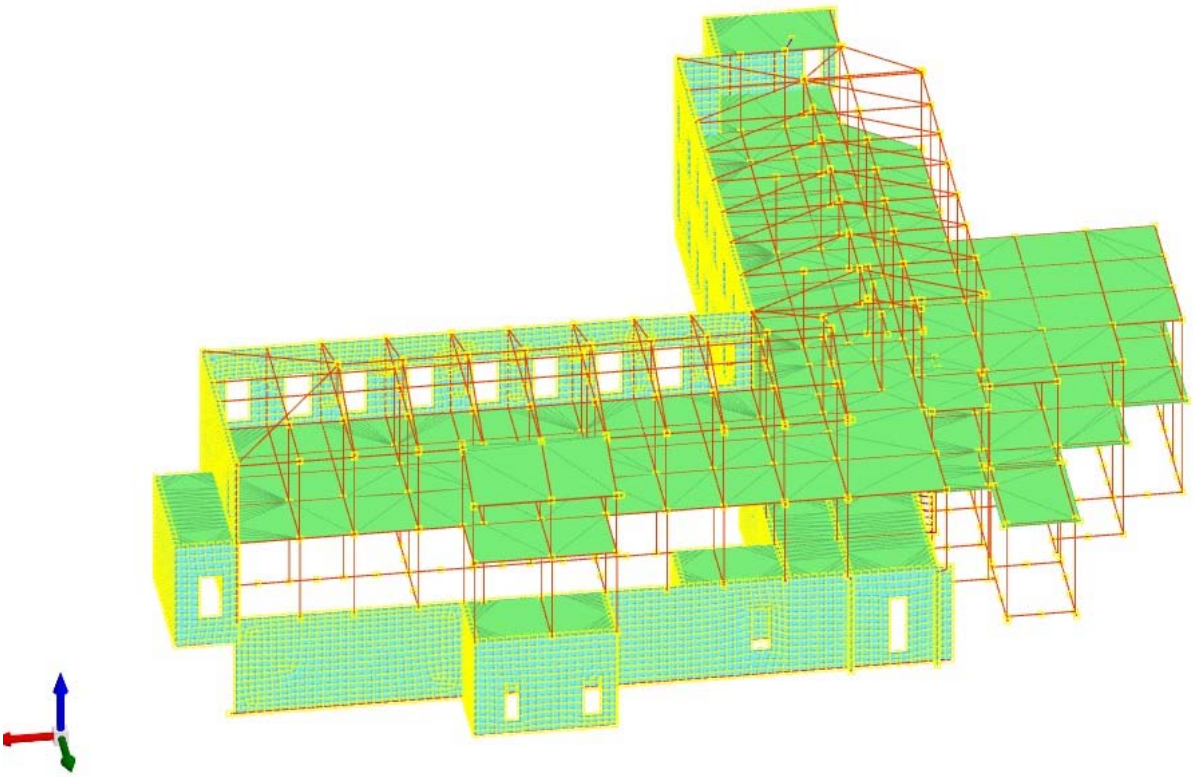


Figura 2

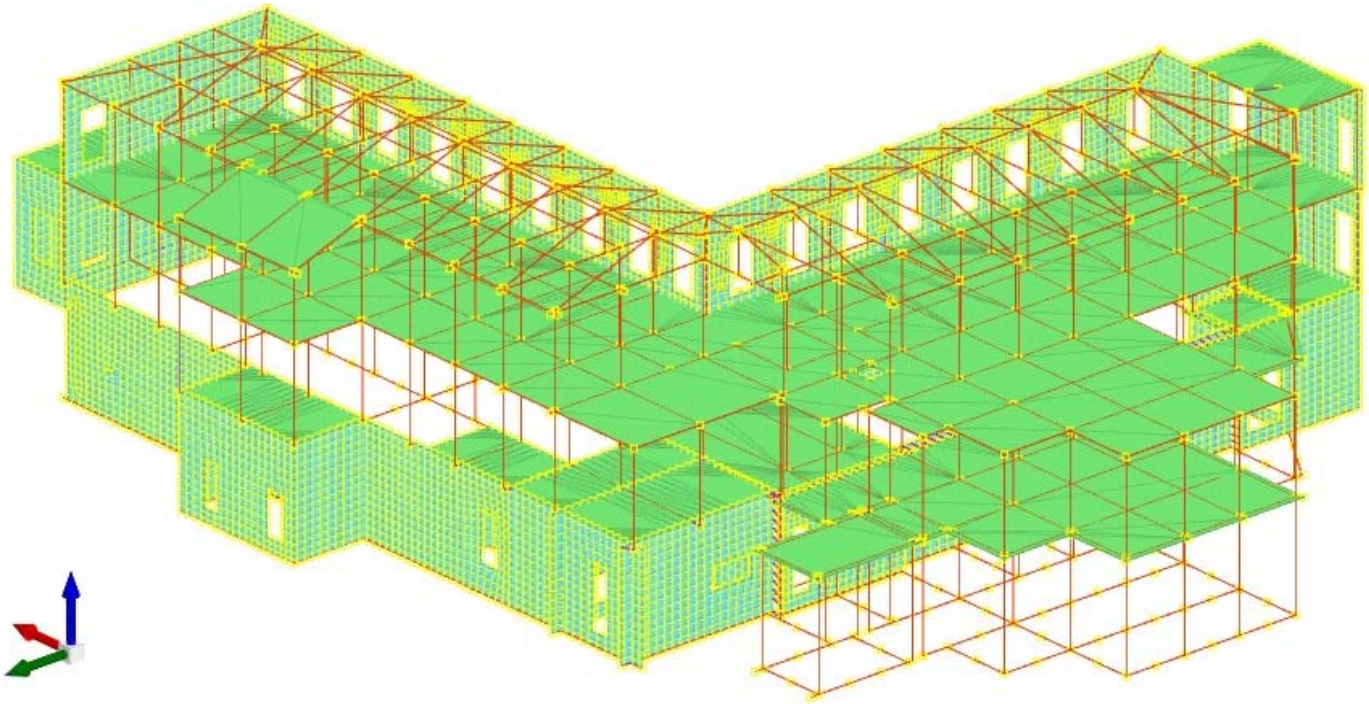


Figura 3

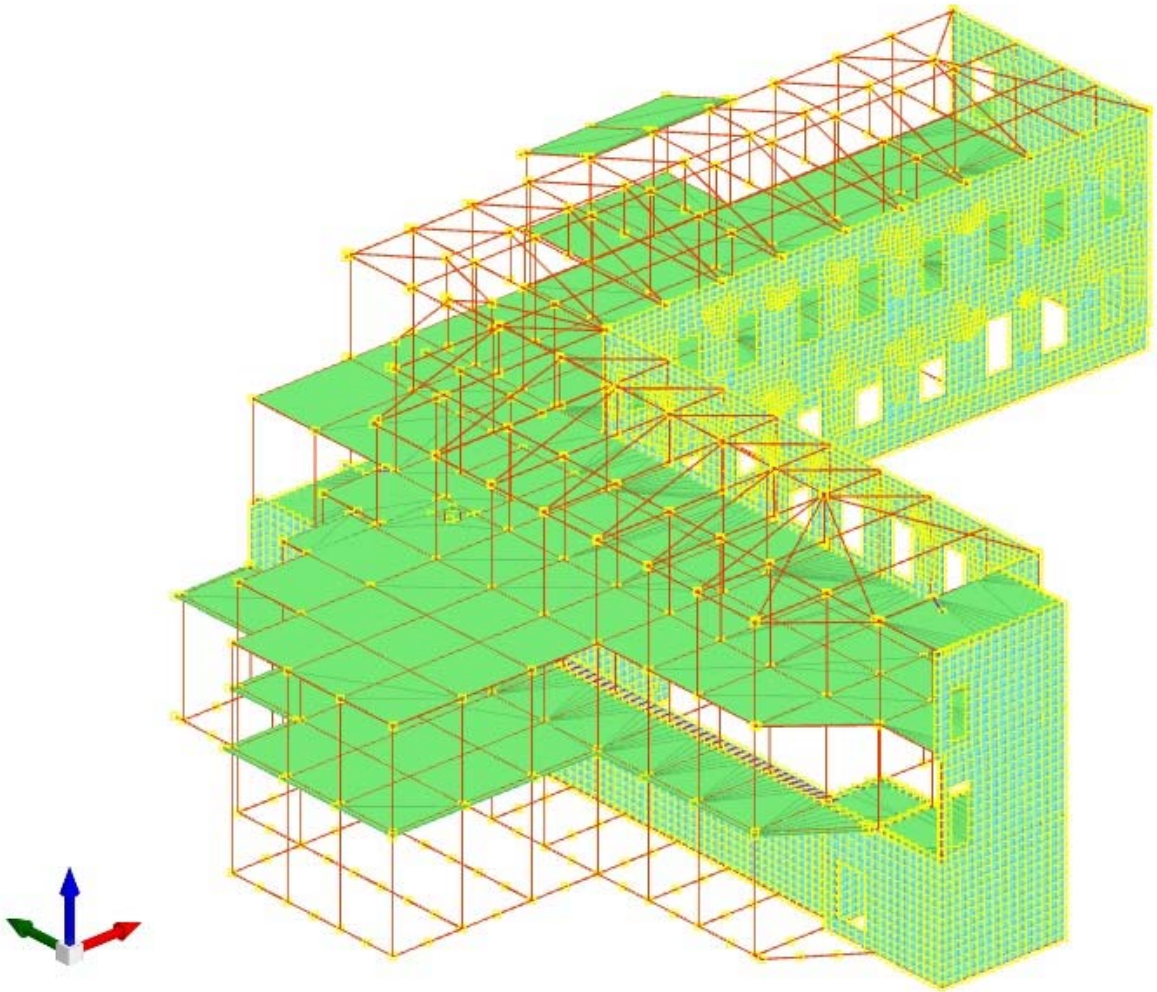


Figura 4

Dati di modellazione

Nodi

Nodi di definizione

***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Posizione**: coordinate del nodo.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Z**: coordinata Z. [cm]*

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
2	2243.7	843.5	-525	3	2282.4	843.5	-525	4	2321	843.5	-525	5	2359.7	843.5	-525
6	2398.4	843.5	-525	7	2437	843.5	-525	8	2475.7	843.5	-525	9	2514.4	843.5	-525
10	2553	843.5	-525	11	2591.7	843.5	-525	12	2630.4	843.5	-525	13	2669	843.5	-525
14	2707.7	843.5	-525	15	2746.4	843.5	-525	16	2785	843.5	-525	17	2823.7	843.5	-525
18	2823.7	879.6	-525	19	2243.7	883.6	-525	20	2823.7	915.7	-525	21	2243.7	923.7	-525
22	2823.7	951.8	-525	23	2243.7	963.8	-525	24	2823.7	987.9	-525	25	2243.7	1004	-525
26	2823.7	1024	-525	27	2243.7	1044.1	-525	28	2823.7	1060.2	-525	29	2243.7	1084.2	-525
30	2823.7	1096.3	-525	31	2243.7	1124.4	-525	32	2823.7	1132.4	-525	33	2243.7	1164.5	-525
34	2823.7	1168.5	-525	35	2243.7	1204.6	-525	36	2281	1204.6	-525	37	2321	1204.6	-525
38	2361	1204.6	-525	39	2401	1204.6	-525	40	2454.5	1204.6	-525	41	2508.1	1204.6	-525
42	2547.5	1204.6	-525	43	2587	1204.6	-525	44	2626.4	1204.6	-525	45	2665.9	1204.6	-525
46	2705.3	1204.6	-525	47	2744.8	1204.6	-525	48	2784.2	1204.6	-525	49	2823.7	1204.6	-525
50	2507.5	1241.8	-525	51	2243.7	1246	-525	52	2506.9	1278.9	-525	53	2130.4	1281.6	-525
54	2243.7	1291	-525	55	2506.4	1316.1	-525	56	2243.7	1336	-525	57	2504.8	1353.2	-525
58	2505.8	1353.2	-525	59	2017	1358.7	-525	60	2243.7	1381	-525	61	2503.9	1390.3	-525
62	2505.3	1390.4	-525	63	2243.7	1426	-525	64	2503.1	1427.5	-525	65	2504.7	1427.5	-525
66	1903.7	1435.7	-525	67	2243.7	1464.6	-525	68	2286.2	1464.7	-525	69	2291.2	1464.7	-525
70	2333.8	1464.7	-525	71	2376.4	1464.7	-525	72	2419	1464.7	-525	73	2461.6	1464.7	-525
74	2502.3	1464.7	-525	75	2504.1	1464.7	-525	76	1903.7	1473.5	-525	77	2073.7	1473.5	-525
78	2243.7	1473.5	-525	79	2286.2	1504.2	-525	80	2291.2	1504.2	-525	81	2286.2	1543.7	-525
82	2291.2	1543.7	-525	83	2286.2	1583.3	-525	84	2291.2	1583.3	-525	85	1903.7	1608.3	-525
86	2286.2	1622.8	-525	87	2291.2	1622.8	-525	88	2286.2	1662.4	-525	89	2291.2	1662.4	-525
90	2286.2	1701.9	-525	91	2291.2	1701.9	-525	92	2286.2	1741.4	-525	93	2291.2	1741.4	-525
94	1903.7	1781	-525	95	2032.9	1781	-525	96	2162	1781	-525	97	2286.2	1781	-525
98	2291.2	1781	-525	99	2286.2	1819.5	-525	100	2291.2	1819.5	-525	101	2286.2	1858.1	-525
102	2291.2	1858.1	-525	103	2286.2	1896.7	-525	104	2291.2	1896.7	-525	105	1903.7	1916	-525
106	2286.2	1935.3	-525	107	2291.2	1935.3	-525	108	2286.2	1973.8	-525	109	2291.2	1973.8	-525
110	2286.2	2012.4	-525	111	2291.2	2012.4	-525	112	1903.7	2051	-525	113	2032.9	2051	-525
114	2162	2051	-525	115	2286.2	2051	-525	116	2291.2	2051	-525	117	2286.2	2090.6	-525
118	2291.2	2090.6	-525	119	2286.2	2130.3	-525	120	2291.2	2130.3	-525	121	2286.2	2170	-525
122	2291.2	2170	-525	123	1903.7	2189.7	-525	124	2286.2	2209.6	-525	125	2291.2	2209.6	-525
126	2286.2	2249.3	-525	127	2291.2	2249.3	-525	128	2286.2	2289	-525	129	2291.2	2289	-525
130	1903.5	2328.4	-525	131	1253.7	2328.5	-525	132	1588.7	2328.5	-525	133	923.8	2328.6	-525
134	1088.8	2328.6	-525	135	1421.2	2328.6	-525	136	1746.1	2328.6	-525	137	2032.7	2328.6	-525
138	2162	2328.6	-525	139	2286.2	2328.6	-525	140	2291.2	2328.6	-525	141	2286.2	2369.7	-525
142	2291.2	2369.7	-525	143	2286.2	2410.7	-525	144	2291.2	2410.7	-525	145	2286.2	2451.8	-525
146	2291.2	2451.8	-525	147	1903.7	2472.2	-525	148	923.8	2472.3	-525	149	1253.7	2474.3	-525
150	1588.6	2474.3	-525	151	2286.2	2492.8	-525	152	2291.2	2492.8	-525	153	2286.2	2533.9	-525
154	2291.2	2533.9	-525	155	2286.2	2574.9	-525	156	2291.2	2574.9	-525	157	923.7	2616	-525
158	1903.7	2616	-525	159	2032.9	2616	-525	160	2162	2616	-525	161	2286.2	2616	-525
162	2291.2	2616	-525	163	1253.7	2620.1	-525	164	1588.6	2620.1	-525	165	2286.2	2656.7	-525
166	2291.2	2656.7	-525	167	2286.2	2697.4	-525	168	2291.2	2697.4	-525	169	2286.2	2738.1	-525
170	2291.2	2738.1	-525	171	1903.7	2758.5	-525	172	923.8	2758.7	-525	173	1253.7	2766	-525
174	1588.6	2766	-525	175	2286.2	2778.8	-525	176	2291.2	2778.8	-525	177	2286.2	2819.5	-525
178	2291.2	2819.5	-525	179	2286.2	2860.3	-525	180	2291.2	2860.3	-525	181	1903.7	2901	-525
182	2032.9	2901	-525	183	2162	2901	-525	184	2286.2	2901	-525	185	2291.2	2901	-525
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190	2291.2	2943.8	-525	191	2286.2	2986.7	-525	192	2291.2	2986.7	-525	193	2286.2	3029.5	-525
194	2291.2	3029.5	-525	195	1903.7	3052.2	-525	196	923.8	3052.5	-525	197	1253.7	3057.6	-525
198	1588.6	3057.6	-525	199	2286.2	3072.4	-525	200	2291.2	3072.4	-525	201	2286.2	3115.3	-525
202	2291.2	3115.3	-525	203	2286.2	3158.1	-525	204	2291.2	3158.1	-525	205	2241.2	3201	-525
206	2251.2	3201	-525	207	2286.2	3201	-525	208	2291.2	3201	-525	209	2331.2	3201	-525
210	2371.2	3201	-525	211	2411.2	3201	-525	212	2450.8	3201	-525	213	2490.3	3201	-525
214	2529.9	3201	-525	215	2569.5	3201	-525	216	2609	3201	-525	217	2648.6	3201	-525
218	2688.2	3201	-525	219	2727.7	3201	-525	220	2767.3	3201	-525	221	2806.9	3201	-525
222	2846.4	3201	-525	223	2886	3201	-525	224	2925.6	3201	-525	225	2965.1	3201	-525
226	2998.7	3201	-525	227	3004.7	3201	-525	228	1253.7	3203.5	-525	229	1588.7	3203.5	-525
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238	2241.2	3239	-525	239	2251.2	3239	-525	240	2998.7	3239.7	-525	241	3004.6	3239.7	-525
242	2241.2	3277.1	-525	243	2251.2	3277.1	-525	244	2998.7	3278.5	-525	245	3004.6	3278.5	-525
246	2241.2	3315.1	-525	247	2251.2	3315.1	-525	248	2998.7	3317.2	-525	249	3004.5	3317.2	-525
250	2241.2	3353.2	-525	251	2251.2	3353.2	-525	252	2998.7	3355.9	-525	253	3004.4	3355.9	-525
254	2411.2	3371	-525	255	1253.7	3373.5	-525	256	1588.6	3373.5	-525	257	1903.7	3373.5	-525
258	2241.2	3391.2	-525	259	2251.2	3391.2	-525	260	2998.7	3394.7	-525	261	3004.4	3394.7	-525
262	2241.2	3429.3	-525	263	2251.2	3429.3	-525	264	2998.7	3433.4	-525	265	3004.3	3433.4	-525
266	2241.2	3467.4	-525	267	2251.2	3467.4	-525	268	2998.7	3472.2	-525	269	3004.3	3472.2	-525
270	2241.2	3505.4	-525	271	2251.2	3505.4	-525	272	2998.7	3510.9	-525	273	3004.2	3510.9	-525
274	2411.2	3511	-525	275	1903.7	3541	-525	276	1926.2	3541	-525	277	2998.7	3543.5	-525
278	3004.1	3543.5	-525	279	1253.7	3543.5	-525	280	1421.2	3543.5	-525	281	1588.6	3543.5	-525
282	1926.2	3543.5	-525	283	2088.7	3543.5	-525	284	2241.2	3543.5	-525	285	2243.7	3543.5	-525
286	2251.2	3543.5	-525	287	2998.7	3576	-525	288	3004.1	3576	-525	289	2241.2	3586	-525
290	2251.2	3586	-525	291	3004	3618.1	-525	292	2241.2	3628.5	-525	293	2251.2	3628.5	-525
294	2411.2	3651	-525	295	3003.9	3660.2	-525	296	2241.2	3671	-525	297	2251.2	3671	-525

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
298	1583.7	3673.5	-525	299	1588.6	3673.5	-525	300	1903.7	3673.5	-525	301	3003.9	3702.2	-525
302	2241.2	3704.3	-525	303	2251.2	3704.3	-525	304	1906.2	3731	-525	305	1580.8	3731	-525
306	2241.2	3737.6	-525	307	2251.2	3737.6	-525	308	3003.8	3744.3	-525	309	1906.2	3756	-525
310	1743.5	3756	-525	311	1580.8	3756	-525	312	2241.2	3771	-525	313	2251.2	3771	-525
314	3003.7	3786.4	-525	315	2241.2	3799.7	-525	316	2251.2	3799.7	-525	317	2241.2	3828.5	-525
318	2251.2	3828.5	-525	319	2286.2	3828.5	-525	320	2291.2	3828.5	-525	321	2331.2	3828.5	-525
322	2371.2	3828.5	-525	323	2411.2	3828.5	-525	324	2452.3	3828.5	-525	325	2493.5	3828.5	-525
326	2534.6	3828.5	-525	327	2575.8	3828.5	-525	328	2616.9	3828.5	-525	329	2658	3828.5	-525
330	2699.2	3828.5	-525	331	2735.1	3828.5	-525	332	2771.1	3828.5	-525	333	2814.4	3828.5	-525
334	2857.7	3828.5	-525	335	2901.1	3828.5	-525	336	2935.3	3828.5	-525	337	2969.5	3828.5	-525
338	3003.7	3828.5	-525	339	1906.2	3861	-525	340	1906.2	3861	-525	341	1941.2	3861	-525
342	2116.2	3861	-525	343	2206.2	3861	-525	344	2291.2	3861	-525	345	2286.2	3869.7	-525
346	2291.2	3869.7	-525	347	3003.6	3870.4	-525	348	2699.1	3871.5	-525	349	1580.8	3892.7	-525
350	2286.2	3910.8	-525	351	2291.2	3910.8	-525	352	3003.5	3912.3	-525	353	2699	3914.5	-525
354	2286.2	3952	-525	355	2291.2	3952	-525	356	3003.4	3954.2	-525	357	2698.9	3957.6	-525
358	2286.2	3993.2	-525	359	2291.2	3993.2	-525	360	3003.4	3996.1	-525	361	2698.8	4000.6	-525
362	2286.2	4034.4	-525	363	2291.2	4034.4	-525	364	3003.3	4038	-525	365	1906.2	4038.6	-525
366	2698.7	4043.6	-525	367	1580.8	4054.5	-525	368	2286.2	4075.6	-525	369	2291.2	4075.6	-525
370	3003.2	4080	-525	371	2698.6	4086.6	-525	372	2286.2	4116.8	-525	373	2291.2	4116.8	-525
374	3003.2	4121.9	-525	375	2698.6	4129.7	-525	376	2286.2	4157.9	-525	377	2291.2	4157.9	-525
378	3003.1	4163.8	-525	379	2698.5	4172.7	-525	380	2286.2	4199.1	-525	381	2291.2	4199.1	-525
382	3003	4205.7	-525	383	2698.4	4215.7	-525	384	1581.2	4216	-525	385	1906.2	4216	-525
386	1743.7	4216.2	-525	387	2286.2	4240.3	-525	388	2291.2	4240.3	-525	389	2986.5	4247.6	-525
390	2988.7	4247.6	-525	391	3004	4247.6	-525	392	3002.9	4247.6	-525	393	3043.2	4247.7	-525
394	3083.5	4247.7	-525	395	3123.8	4247.8	-525	396	3164	4247.9	-525	397	3204.3	4248	-525
398	3244.6	4248	-525	399	3284.8	4248.1	-525	400	3325.1	4248.2	-525	401	3365.4	4248.2	-525
402	3405.6	4248.3	-525	403	3445.9	4248.4	-525	404	3486.2	4248.4	-525	405	2698.3	4258.8	-525
406	1580.8	4261	-525	407	1906.2	4261	-525	408	3004	4269.3	-525	409	2986.5	4269.3	-525
410	2988.7	4269.3	-525	411	2286.2	4281.5	-525	412	2291.2	4281.5	-525	413	3486.2	4288	-525
414	3004	4291	-525	415	2986.5	4291	-525	416	2988.7	4291	-525	417	2699.3	4301.8	-525
418	2698.2	4301.8	-525	419	2286.2	4322.7	-525	420	2291.2	4322.7	-525	421	3486.2	4327.5	-525
422	2986.5	4332	-525	423	2988.7	4332	-525	424	2699.3	4346.8	-525	425	2698.1	4346.8	-525
426	2286.2	4363.9	-525	427	2291.2	4363.9	-525	428	3486.1	4367.1	-525	429	2986.5	4373	-525
430	2988.8	4373	-525	431	2699.3	4391.8	-525	432	2698	4391.8	-525	433	2286.2	4405	-525
434	2291.2	4405	-525	435	3486.1	4406.6	-525	436	2986.5	4413.9	-525	437	2988.8	4413.9	-525
438	2699.3	4428.3	-525	439	2697.9	4428.3	-525	440	3486.1	4446.2	-525	441	2286.2	4446.2	-525
442	2291.2	4446.2	-525	443	2986.5	4451.6	-525	444	2988.8	4451.6	-525	445	2699.3	4464.8	-525
446	2697.9	4464.8	-525	447	3486.1	4485.7	-525	448	2286.2	4487.4	-525	449	2291.2	4487.4	-525
450	2986.5	4489.4	-525	451	2988.8	4489.4	-525	452	2699.3	4501.3	-525	453	2697.8	4501.3	-525
454	3486.1	4525.3	-525	455	2986.5	4527.1	-525	456	2988.8	4527.1	-525	457	2286.2	4528.6	-525
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462	2260.2	4564.8	-525	463	2300.3	4564.8	-525	464	2340.4	4564.8	-525	465	2380.4	4564.8	-525
466	2420.5	4564.8	-525	467	2470.5	4564.8	-525	468	2520.5	4564.8	-525	469	2564.8	4564.8	-525
470	2609	4564.8	-525	471	2653.3	4564.8	-525	472	2697.5	4564.8	-525	473	2739.2	4564.8	-525
474	2780.8	4564.8	-525	475	2822.4	4564.8	-525	476	2864	4564.8	-525	477	2905.6	4564.8	-525
478	2947.2	4564.8	-525	479	2986.5	4564.8	-525	480	2988.8	4564.8	-525	481	3027.1	4564.8	-525
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490	3371.3	4564.8	-525	491	3409.6	4564.8	-525	492	3447.8	4564.8	-525	493	3486.1	4564.8	-525
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502	3823.7	4564.8	-525	503	3861.2	4564.8	-525	504	3900	4564.8	-525	505	3938.9	4564.8	-525
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542	5399.2	4564.8	-525	543	5439.1	4564.8	-525	544	5479	4564.8	-525	545	5518.9	4564.8	-525
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594	4016.5	4567.3	-525	595	4055.4	4567.3	-525	596	4094.2	4567.3	-525	597	4133	4567.3	-525
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606	4482.5	4567.3	-525	607	4521.4	4567.3	-525	608	4561.3	4567.3	-525	609	4601.2	4567.3	-525
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618	4960.3	4567.3	-525	619	5000.2	4567.3	-525	620	5040.1	4567.3	-525	621	5080	4567.3	-525
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626	5279.5	4567.3	-525	627	5319.4	4567.3	-525	628	5359.3	4567.3	-525	629	5399.2	4567.3	-525
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634	5631.2	4567.3	-525	635	2291.2	4569.8	-525	636	2697.6	4574.4	-525	637	3861.2	4604.9	-525
638	4521.4	4604.9	-525	639	2697.5	4610.9	-525	640	2291.2	4611	-525	641	3861.2	4645.1	-525
642	4521.4	4645.1	-525	643	3861.2	4685.2	-525	644	4521.4	4685.2	-525	645	3861.2	4725.3	-525
646	4521.4	4725.3	-525	647	3861.2	4765.5	-525	648	4521.4	4765.5	-525	649	3861.2	4805.6	-525
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654	4521.4	4885.8	-525	655	3861.2	4926	-525	656	3890.7	4926	-525	657	3920.2	4926	-525
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666	4237.8	4926	-525	667	4274	4926	-525	668	4310.3	4926	-525	669	4350.3	4926	-525
670	4390.3	4926	-525	671	4434	4926	-525	672	4477.7	4926	-525	673	4521.4	4926	-525
674	2823.7	1060.3	-499.1	675	2823.7	1024.8	-499	676	2823.7	989.3	-498.6	677	2823.7	1095.3	-497.9
678	4881	4564.8	-497.8	679	4841.3	4564.8	-497.7	680	4920.8	4564.8	-497.7	681	5239.2	4564.8	-497.7
682	4960.6	4564.8	-497.7	683	5199.3	4564.8	-497.6	684	5000.4	4564.8	-497.6	685	2243.7	1204.6	-497.5
686	2281	1204.6	-497.5	687	2321	1204.6	-497.5	688	2361	1204.6	-497.5	689	2401	1204.6	-497.5

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
690	2243.7	1246	-497.5	691	2243.7	1291	-497.5	692	2243.7	1336	-497.5	693	2243.7	1381	-497.5
694	2243.7	1426	-497.5	695	2243.7	1464.7	-497.5	696	2291.2	1464.7	-497.5	697	2771.1	3828.5	-497.5
698	2814.4	3828.5	-497.5	699	2857.7	3828.5	-497.5	700	2901.1	3828.5	-497.5	701	2988.7	4247.6	-497.5
702	3002.9	4247.6	-497.5	703	2698.2	4301.8	-497.5	704	2988.7	4302.5	-497.5	705	2988.7	4339.6	-497.5
706	2698.1	4346.8	-497.5	707	2988.8	4376.8	-497.5	708	2698	4391.8	-497.5	709	2988.8	4413.9	-497.5
710	2420.5	4564.8	-497.5	711	2470.5	4564.8	-497.5	712	2520.5	4564.8	-497.5	713	3861.2	4926	-497.5
714	3890.7	4926	-497.5	715	3920.2	4926	-497.5	716	3953.5	4926	-497.5	717	3986.9	4926	-497.5
718	4020.2	4926	-497.5	719	4310.3	4926	-497.5	720	4350.3	4926	-497.5	721	4390.3	4926	-497.5
722	5159.5	4564.8	-497.5	723	5438.7	4564.8	-497.5	724	5040.2	4564.8	-497.5	725	5119.7	4564.8	-497.4
726	2823.7	954.3	-497.3	727	5279.2	4564.8	-497.2	728	5080	4564.8	-497	729	5399.2	4564.8	-496.9
730	5319.3	4564.8	-496.8	731	2988.7	4274.7	-496.8	732	5477.5	4564.8	-496.6	733	5359.3	4564.8	-496.4
734	2608.9	3201	-496.4	735	2569.7	3201	-496.2	736	2726.8	3201	-496.2	737	2687.5	3201	-496.1
738	2291.2	1504.2	-496	739	2766.1	3201	-495.9	740	2648.2	3201	-495.9	741	2805.3	3201	-495.9
742	2530.6	3201	-495.7	743	4801.8	4564.8	-495.7	744	2243.7	1164.5	-495.4	745	3861.2	4885.8	-495.3
746	2844.3	3201	-495.3	747	2564.6	4564.8	-495.3	748	3043.3	4247.7	-495.3	749	2291.2	1543.7	-495.2
750	3003	4205.7	-495.2	751	3004	3624	-495	752	2333.8	1464.7	-494.9	753	2291.2	1583.3	-494.8
754	4762	4564.8	-494.7	755	4642.3	4564.8	-494.7	756	2291.2	1622.8	-494.6	757	4681.7	4564.8	-494.6
758	2291.2	1662.3	-494.5	759	2823.7	919.3	-494.4	760	4721.9	4564.8	-494.4	761	2291.2	1701.8	-494.3
762	2882.9	3201	-494.3	763	2291.2	1741.2	-494.2	764	2988.8	4451.6	-494.2	765	2243.7	1124.4	-494.1
766	2823.7	1129.6	-494.1	767	3003.9	3665.2	-494.1	768	2291.2	1780.5	-494.1	769	2935.3	3828.5	-494
770	3083.7	4247.7	-494	771	4434	4926	-494	772	3861.2	4845.7	-493.9	773	2291.2	1819.4	-493.9
774	2491.4	3201	-493.8	775	3003.1	4163.7	-493.8	776	2608.6	4564.8	-493.8	777	5515.7	4564.8	-493.8
778	2291.2	1858.1	-493.8	779	2380.4	4564.8	-493.7	780	2291.2	1896.7	-493.6	781	3004.1	3584.4	-493.5
782	2291.2	1935.3	-493.5	783	2698.3	4258.6	-493.5	784	2291.2	1973.9	-493.4	785	4056.4	4926	-493.3
786	4274	4926	-493.3	787	2697.9	4428.2	-493.3	788	3124.1	4247.8	-493.2	789	2291.2	2012.6	-493.2
790	2243.7	1084.2	-493.2	791	3003.9	3706.9	-493.2	792	4603.6	4564.8	-493.1	793	2291.2	2051.5	-493.1
794	3004.1	3547.5	-493.1	795	3861.2	4805.6	-493	796	2376.4	1464.7	-493	797	2454.3	1204.6	-493
798	3003.2	4121.8	-493	799	2291.2	2090.8	-493	800	2451.6	3201	-492.9	801	2291.2	2130.4	-492.8
802	2652.4	4564.8	-492.8	803	3164.4	4247.9	-492.7	804	2291.2	2170	-492.7	805	2251.2	3425.4	-492.6
806	2291.2	2209.7	-492.5	807	2243.7	1044.1	-492.5	808	2291.2	2249.4	-492.4	809	3004.2	3511	-492.4
810	3003.2	4079.8	-492.4	811	3861.2	4765.5	-492.3	812	3003.8	3748.3	-492.3	813	2251.2	3502.6	-492.3
814	2251.2	3463.9	-492.3	815	2291.2	2289.2	-492.3	816	2251.2	3387	-492.2	817	3204.8	4248	-492.2
818	2291.2	2329.3	-492.1	819	2695.8	4564.8	-492.1	820	2291.2	2369.9	-492	821	2988.8	4489.3	-491.9
822	2251.2	3348.8	-491.9	823	2291.2	2410.8	-491.8	824	3003.3	4037.9	-491.8	825	2243.7	1004	-491.8
826	3245.1	4248	-491.8	827	2291.2	2451.8	-491.7	828	3004.2	3472.8	-491.7	829	3861.2	4725.3	-491.7
830	2372.2	3201	-491.6	831	2411.2	3201	-491.6	832	2419	1464.7	-491.6	833	2291.2	2492.8	-491.6
834	2738.2	4564.8	-491.5	835	2251.2	3311.1	-491.4	836	2291.2	2533.9	-491.4	837	2735.1	3828.5	-491.4
838	2969.5	3828.5	-491.3	839	3285.4	4248.1	-491.3	840	4477.7	4926	-491.3	841	2291.2	2574.9	-491.3
842	3004.3	3434	-491.3	843	3003.4	3996	-491.2	844	2291.2	2615.8	-491.1	845	2243.7	963.8	-491.1
846	2780.3	4564.8	-491.1	847	2921	3201	-491.1	848	3861.2	4685.2	-491	849	2698.4	4215.4	-491
850	2291.2	2656.6	-491	851	3003.7	3788.7	-491	852	2340.3	4564.8	-491	853	4092.7	4926	-490.9
854	4237.7	4926	-490.9	855	3004.4	3395	-490.9	856	3325.6	4248.2	-490.9	857	2291.2	2697.4	-490.8
858	2251.2	3274	-490.8	859	2251.2	3541.4	-490.8	860	3003.4	3954.1	-490.7	861	2291.2	2738.1	-490.7
862	2822.1	4564.8	-490.6	863	2697.9	4464.6	-490.6	864	2291.2	2778.9	-490.6	865	3004.4	3355.9	-490.5
866	2243.7	923.7	-490.4	867	3365.8	4248.2	-490.4	868	2291.2	2819.7	-490.4	869	3861.2	4645.1	-490.4
870	2988.8	4527.1	-490.3	871	2461.6	1464.7	-490.3	872	2291.2	2860.7	-490.3	873	2863.8	4564.8	-490.2
874	3003.5	3912.2	-490.2	875	2291.2	2902	-490.1	876	2291.2	2944.2	-490	877	3405.9	4248.3	-490
878	3004.5	3316.7	-489.9	879	2251.2	3237.4	-489.9	880	2905.5	4564.8	-489.8	881	2291.2	2986.8	-489.8
882	4128.9	4926	-489.8	883	4201.4	4926	-489.8	884	2243.7	883.6	-489.7	885	3861.2	4604.9	-489.7
886	2291.2	3029.6	-489.7	887	3003.6	3870.3	-489.6	888	2698.5	4172.2	-489.5	889	2291.2	3072.4	-489.5
890	3446.1	4248.4	-489.5	891	2947.2	4564.8	-489.5	892	4165.2	4926	-489.4	893	2291.2	3115.3	-489.4
894	2291.2	3158.1	-489.2	895	2243.7	843.5	-489.1	896	2282	843.5	-489.1	897	2320.4	843.5	-489.1
898	2358.9	843.5	-489.1	899	2397.5	843.5	-489.1	900	2436.1	843.5	-489.1	901	2474.8	843.5	-489.1
902	2513.6	843.5	-489.1	903	2552.4	843.5	-489.1	904	2591.3	843.5	-489.1	905	2630.1	843.5	-489.1
906	2668.9	843.5	-489.1	907	2707.7	843.5	-489.1	908	2746.4	843.5	-489.1	909	2785.1	843.5	-489.1
910	2823.7	843.5	-489.1	911	2507.6	1204.6	-489.1	912	2507.5	1241.8	-489.1	913	2506.9	1278.9	-489.1
914	2506.4	1316.1	-489.1	915	2505.8	1353.2	-489.1	916	2505.3	1390.4	-489.1	917	2504.7	1427.5	-489.1
918	2504.1	1464.7	-489.1	919	2251.2	3201	-489.1	920	2291.2	3201	-489.1	921	3003.7	3828.5	-489.1
922	3486.2	4248.4	-489.1	923	3486.2	4288	-489.1	924	3486.2	4327.5	-489.1	925	3486.1	4367.1	-489.1
926	3486.1	4406.6	-489.1	927	3486.1	4446.2	-489.1	928	3486.1	4485.7	-489.1	929	3486.1	4525.3	-489.1
930	2988.8	4564.8	-489.1	931	3486.1	4564.8	-489.1	932	3523.7	4564.8	-489.1	933	3561.3	4564.8	-489.1
934	3598.9	4564.8	-489.1	935	3636.4	4564.8	-489.1	936	3673.9	4564.8	-489.1	937	3711.3	4564.8	-489.1
938	3748.8	4564.8	-489.1	939	3786.3	4564.8	-489.1	940	3823.7	4564.8	-489.1	941	3861.2	4564.8	-489.1
942	3899.9	4564.8	-489.1	943	3938.7	4564.8	-489.1	944	3977.4	4564.8	-489.1	945	4016.2	4564.8	-489.1
946	4054.9	4564.8	-489.1	947	4093.6	4564.8	-489.1	948	4132.4	4564.8	-489.1	949	4171.2	4564.8	-489.1
950	4209.9	4564.8	-489.1	951	4248.7	4564.8	-489.1	952	4287.5	4564.8	-489.1	953	4326.4	4564.8	-489.1
954	4365.2	4564.8	-489.1	955	4404.1	4564.8	-489.1	956	4443.1	4564.8	-489.1	957	4482.2	4564.8	-489.1
958	4521.4	4564.8	-489.1	959	4521.4	4604.9	-489.1	960	4521.4	4645.1	-489.1	961	4521.4	4685.2	-489.1
962	4521.4	4725.3	-489.1	963	4521.4	4765.5	-489.1	964	4521.4	4805.6	-489.1	965	4521.4	4845.7	-489.1
966	4521.4	4885.8	-489.1	967	4521.4	4926	-489.1	968	2300.2	4564.8	-489.1	969	2697.8	4501	-488.9
970	3447.7	4564.8	-488.9	971	3004.6	3277.6	-488.9	972	2698.6	4129.2	-488.7	973	5598.7	4564.8	-488.6
974	3409.4	4564.8	-488.6	975	2546.1	1204.6	-488.6	976	3371	4564.8	-488.2	977	2585.5	1204.6	-488.1
978	2698.6	4086.1	-488.1	979	2666.9	1204.6	-487.9	980	2697.7	4537.6	-487.8	981	3332.5	4564.8	-487.7
982	2698.7	4043.1	-487.7	983	2260.2	4564.8	-487.6	984	2626.2	1204.6	-487.5	985	3004.6	3238.6	-487.4
986	3024.4	4564.8	-487.4	987	2698.8	4000.2	-487.4	988	2706.8	1204.6	-487.3	989	2698.9	3957.2	-487.1
990	2697.6	4574.2	-487	991	3293.8	4564.8	-487	992	2699	3914.3	-486.8	993	2699.1	3871.4	-486.6
994	2746.2	1204.6	-486.5	995	2699.2	3828.5	-486.3	996	2220.2	4564.8	-486.3	997	2697.5	4610.9	-486.3
998	2291.2	4611	-486.3	999	2785.5	1204.6	-486.2	1000	3254.9	4564.8	-486.1	1001	2291.2	4569.7	-486
1002	3060.2	4564.8	-485.8	1003	2658.1	3828.5	-485.7	1004	2291.2	4528.4	-485.7	1005	2251.2	3581	-485.6
1006	2823.7	882.7	-485.4	1007	2291.2	4487.2	-485.4	1008	3215.7	4564.8	-485.1	1009	2617	3828.5	-485.1
1010	2291.2	4446	-485.1	1011	2823.7	1204.6	-485	1012	3004.7	3201	-485	1013	5555.7	4564.8	-485
1014	2291.2	4404.9	-484.7	1015	3096.9	4564.8	-484.6	1016	2575.9	3828.5	-484.5	1017	2291.2	4363.8	-484.4
1018	3176.1	4564.8	-484.3	1019	4564.3	4564.8	-484.2	1020	3136.1	4564.8	-484.2	1021	2291.2	4322.6	-484.1
1022	2332.9	3201	-484	1023	2534.8	3828.5	-483.9	1024	2291.2	4281.5	-483.7	1025	2493.7	3828.5	-483.3
1026	2823.7	1165.5	-483.3	1027	2291.2	4240.3	-483.2	1028	2452.7	3828.5	-482.7	1029	2291.2	4199	-482.6
1030	2291.2	4157.7	-482	1031	2411.9	3828.5	-481.9	1032	2291.2	4116.3	-481.5	1033	2291.2	4074.9	-481.1
1034	2291.2	4033.6	-480.9	1035	2371.5	3828.5	-480.7	1036	2291.2	3992.3	-480.6	1037	2960.4	3201	-480.5
1038	2291.2	3951.2	-480.4	1039	2291.2	3910.3	-479.7	1040	2331.3	3828.5	-477.9	1041	2291.2	3869.4	-477.5
1042	2823.7	1060.9	-473	1043	2823.7	990.6	-472.8	1044	2823.7	1025.9	-472.6	1045	2823.7	1094.7	-472.2
1046	2251.2	3623.2	-471.4	1047	2823.7	956.8	-471	1048	2243.7	1204.6	-470	1049	2281	1204.6	-470
1050	2321	1204.6	-470	1051	2361	1204.6	-470	1052	2401	1204.6	-470	1053	2243.7	1246	-470
1054	2243.7	1291	-470	1055	2243.7	1336	-470	1056	2243.7	1381	-470	1057	2243.7	1426	-470
1058	2243.7	1464.7	-470	1059	2291.2	1464.7	-470	1060	2251.2	3671	-470	1061	2251.2	3704.3	-470
1062	2251.2	3737.6	-470	1063	2251.2	3771	-470	1064	2251.2	3799.7	-470	1065	2251.2	3828.5	-470
1066	2291.2	3828.5	-470	1067	2771.1	3828.5	-470	1068	2814.4	3828.5	-470	1069	2857.7	3828.5	-470
1070	2901.1	3828.5	-470	1071	2206.2	3861	-470	1072	2988.7	4247.6	-470	1073	3002.9	4247.6	-470
1074	2698.2	4301.8	-470	1075	2988.7	4313.9	-470	1076	2698.1	4346.8	-470	1077	2988.7	4347.2	-470
1078	2988.8	4380.6	-470	1079	2698	4391.8	-470	1080	2988.8	4413.9	-470	1081	2420.5	4564.8	-470

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
1082	2470.5	4564.8	-470	1083	2520.5	4564.8	-470	1084	3861.2	4926	-470	1085	3890.7	4926	-470
1086	3920.2	4926	-470	1087	3953.5	4926	-470	1088	3986.9	4926	-470	1089	4020.2	4926	-470
1090	4310.3	4926	-470	1091	4350.3	4926	-470	1092	4390.3	4926	-470	1093	2823.7	924.9	-469.7
1094	5438.8	4564.8	-469.7	1095	5476.5	4564.8	-469	1096	2823.7	1124.8	-469	1097	5399.4	4564.8	-468.1
1098	5510.3	4564.8	-467.6	1099	2988.7	4279.3	-467.4	1100	4607.9	4564.8	-467.3	1101	5359.5	4564.8	-466.8
1102	5238.7	4564.8	-466.8	1103	4921.4	4564.8	-466.7	1104	4961.1	4564.8	-466.6	1105	5198.9	4564.8	-466.4
1106	5000.7	4564.8	-466.4	1107	4881.9	4564.8	-466.3	1108	5159.2	4564.8	-466.2	1109	4642.7	4564.8	-466.2
1110	2823.7	902.1	-466.1	1111	5279	4564.8	-466.1	1112	5319.3	4564.8	-466	1113	5040.4	4564.8	-465.9
1114	5119.6	4564.8	-465.8	1115	2291.2	1504.2	-465.8	1116	2725.9	3201	-465.6	1117	2764.9	3201	-465.4
1118	5080	4564.8	-465.4	1119	2686.7	3201	-465.3	1120	4842.5	4564.8	-465.2	1121	2803.8	3201	-465.2
1122	4583.1	4564.8	-464.9	1123	2647.7	3201	-464.9	1124	2608.8	3201	-464.9	1125	2243.7	1164.5	-464.8
1126	2564.4	4564.8	-464.8	1127	2842.3	3201	-464.8	1128	5534.9	4564.8	-464.6	1129	4803.1	4564.8	-464.6
1130	2570.2	3201	-464.5	1131	2374.4	3201	-464.5	1132	3861.2	4885.8	-464.5	1133	2879.8	3201	-464.4
1134	2291.2	1543.7	-464.3	1135	3043.4	4247.7	-464.2	1136	2350.2	3201	-464.2	1137	3003	4205.6	-464
1138	2823.7	1146.3	-464	1139	2333.8	1464.7	-463.9	1140	2291.2	1583.3	-463.6	1141	4763.4	4564.8	-463.3
1142	2291.2	1622.8	-463.3	1143	2914.4	3201	-463.2	1144	2531.7	3201	-463.1	1145	2291.2	1662.3	-463
1146	2291.2	1701.8	-462.7	1147	2291.2	1741.2	-462.5	1148	2243.7	1124.4	-462.3	1149	2988.8	4451.6	-462.3
1150	2935.3	3828.5	-462.3	1151	2291.2	1780.3	-462.2	1152	4681.8	4564.8	-462.2	1153	4722.9	4564.8	-462.1
1154	4434	4926	-462	1155	2608.2	4564.8	-462	1156	2291.2	1819.3	-462	1157	3861.2	4845.7	-461.8
1158	3083.9	4247.7	-461.7	1159	2291.2	1858	-461.7	1160	2493	3201	-461.7	1161	2291.2	1896.7	-461.5
1162	3003.1	4163.7	-461.4	1163	2291.2	1935.3	-461.2	1164	2380.4	4564.8	-461.1	1165	2291.2	1973.9	-461
1166	2291.2	2012.7	-460.7	1167	2243.7	1084.2	-460.7	1168	2291.2	2051.7	-460.5	1169	2698.3	4258.4	-460.5
1170	3124.4	4247.8	-460.4	1171	2454	1204.6	-460.4	1172	2376.4	1464.7	-460.3	1173	2651.8	4564.8	-460.3
1174	3861.2	4805.6	-460.2	1175	2291.2	2090.9	-460.2	1176	2697.9	4428	-460.1	1177	2291.2	2130.4	-460
1178	3003.2	4121.7	-460	1179	2251.2	3499.2	-459.9	1180	4056.4	4926	-459.9	1181	4274	4926	-459.9
1182	3004	3629.6	-459.8	1183	3004.1	3589.9	-459.7	1184	2291.2	2170	-459.7	1185	2251.2	3538	-459.7
1186	2939.6	3201	-459.6	1187	3004.1	3551.2	-459.5	1188	3164.9	4247.9	-459.5	1189	2291.2	2209.7	-459.5
1190	2453.4	3201	-459.3	1191	2243.7	1044.1	-459.3	1192	2251.2	3460.2	-459.2	1193	2291.2	2249.4	-459.2
1194	3003.9	3670.3	-459.1	1195	2291.2	2289.3	-459	1196	3861.2	4765.5	-459	1197	2695	4564.8	-459
1198	3003.2	4079.7	-458.9	1199	3003.8	3711.4	-458.8	1200	2291.2	2329.5	-458.7	1201	2251.2	3421.3	-458.7
1202	3205.3	4248	-458.7	1203	3004.2	3512.9	-458.5	1204	2291.2	2370.1	-458.5	1205	2291.2	2410.9	-458.2
1206	2988.8	4489.3	-458.1	1207	2251.2	3382.6	-458.1	1208	2243.7	1004	-458.1	1209	2291.2	2451.8	-457.9
1210	2737.6	4564.8	-457.9	1211	3003.3	4037.8	-457.9	1212	3245.7	4248	-457.9	1213	3861.2	4725.3	-457.8
1214	2419	1464.7	-457.7	1215	2291.2	2492.8	-457.7	1216	3004.2	3474	-457.6	1217	2251.2	3344.4	-457.5
1218	3003.8	3751.9	-457.5	1219	2291.2	2533.8	-457.4	1220	2969.5	3828.5	-457.3	1221	2291.2	2574.8	-457.1
1222	4477.7	4926	-457.1	1223	3286	4248.1	-457.1	1224	2779.9	4564.8	-457	1225	3003.4	3995.9	-456.9
1226	2410	3201	-456.9	1227	2291.2	2615.8	-456.9	1228	2243.7	963.8	-456.8	1229	2251.2	3307.2	-456.8
1230	2735.1	3828.5	-456.8	1231	3004.3	3434.9	-456.7	1232	2291.2	2656.6	-456.6	1233	3861.2	4685.2	-456.6
1234	2291.2	2697.4	-456.4	1235	3326.2	4248.2	-456.3	1236	2821.9	4564.8	-456.2	1237	2340.3	4564.8	-456.1
1238	2291.2	2738.1	-456.1	1239	3003.4	3954	-456	1240	3003.7	3791.1	-456	1241	2698.4	4215	-455.9
1242	2251.2	3270.9	-455.9	1243	2291.2	2778.9	-455.8	1244	2243.7	923.7	-455.6	1245	2291.2	2819.8	-455.6
1246	4092.6	4926	-455.5	1247	3366.2	4248.2	-455.5	1248	4237.7	4926	-455.5	1249	3861.2	4645.1	-455.5
1250	2863.7	4564.8	-455.4	1251	2461.6	1464.7	-455.4	1252	2988.8	4527.1	-455.4	1253	2251.2	3573.6	-455.3
1254	2291.2	2860.9	-455.3	1255	3004.4	3395.6	-455.3	1256	2697.9	4464.3	-455.1	1257	2291.2	2902.4	-455
1258	3003.5	3912.1	-455	1259	2291.2	2944.5	-454.8	1260	3406.3	4248.3	-454.7	1261	2905.5	4564.8	-454.6
1262	3004.4	3356.1	-454.6	1263	2251.2	3235.7	-454.6	1264	2291.2	2986.9	-454.5	1265	2243.7	883.6	-454.4
1266	3861.2	4604.9	-454.3	1267	2291.2	3029.6	-454.2	1268	3003.6	3870.3	-454.1	1269	2291.2	3072.4	-454
1270	3446.2	4248.4	-453.9	1271	2947.2	4564.8	-453.9	1272	2291.2	3115.3	-453.7	1273	4128.8	4926	-453.5
1274	4201.4	4926	-453.5	1275	2291.2	3158.1	-453.4	1276	2698.5	4171.8	-453.4	1277	3004.5	3316.7	-453.3
1278	2243.7	843.5	-453.1	1279	2281.6	843.5	-453.1	1280	2319.7	843.5	-453.1	1281	2358	843.5	-453.1
1282	2396.6	843.5	-453.1	1283	2435.2	843.5	-453.1	1284	2474	843.5	-453.1	1285	2512.8	843.5	-453.1
1286	2551.8	843.5	-453.1	1287	2590.8	843.5	-453.1	1288	2629.9	843.5	-453.1	1289	2668.9	843.5	-453.1
1290	2707.7	843.5	-453.1	1291	2746.5	843.5	-453.1	1292	2785.1	843.5	-453.1	1293	2823.7	843.5	-453.1
1294	2507.1	1204.6	-453.1	1295	2507.5	1241.8	-453.1	1296	2506.9	1278.9	-453.1	1297	2506.4	1316.1	-453.1
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1302	2251.2	3201	-453.1	1303	2291.2	3201	-453.1	1304	3003.7	3828.5	-453.1	1305	3486.2	4248.4	-453.1
1306	3486.2	4288	-453.1	1307	3486.2	4327.5	-453.1	1308	3486.1	4367.1	-453.1	1309	3486.1	4406.6	-453.1
1310	3486.1	4446.2	-453.1	1311	3486.1	4485.7	-453.1	1312	3486.1	4525.3	-453.1	1313	2988.8	4564.8	-453.1
1314	3486.1	4564.8	-453.1	1315	3523.8	4564.8	-453.1	1316	3561.5	4564.8	-453.1	1317	3599.1	4564.8	-453.1
1318	3636.6	4564.8	-453.1	1319	3674.1	4564.8	-453.1	1320	3711.5	4564.8	-453.1	1321	3748.9	4564.8	-453.1
1322	3786.4	4564.8	-453.1	1323	3823.8	4564.8	-453.1	1324	3861.2	4564.8	-453.1	1325	3899.8	4564.8	-453.1
1326	3938.5	4564.8	-453.1	1327	3977.1	4564.8	-453.1	1328	4015.8	4564.8	-453.1	1329	4054.4	4564.8	-453.1
1330	4093.1	4564.8	-453.1	1331	4131.7	4564.8	-453.1	1332	4170.4	4564.8	-453.1	1333	4209.2	4564.8	-453.1
1334	4247.9	4564.8	-453.1	1335	4286.7	4564.8	-453.1	1336	4325.6	4564.8	-453.1	1337	4364.4	4564.8	-453.1
1338	4403.4	4564.8	-453.1	1339	4442.6	4564.8	-453.1	1340	4481.9	4564.8	-453.1	1341	4521.4	4564.8	-453.1
1342	4521.4	4604.9	-453.1	1343	4521.4	4645.1	-453.1	1344	4521.4	4685.2	-453.1	1345	4521.4	4725.3	-453.1
1346	4521.4	4765.5	-453.1	1347	4521.4	4805.6	-453.1	1348	4521.4	4845.7	-453.1	1349	4521.4	4885.8	-453.1
1350	4521.4	4926	-453.1	1351	4165.1	4926	-453	1352	3447.7	4564.8	-452.7	1353	2300.2	4564.8	-452.7
1354	5598.7	4564.8	-452.3	1355	2697.8	4500.7	-452.2	1356	3409.2	4564.8	-452.2	1357	2698.6	4128.6	-451.9
1358	3370.7	4564.8	-451.5	1359	2544	1204.6	-451.5	1360	3004.6	3277.4	-451.3	1361	2698.7	4085.6	-450.9
1362	3331.9	4564.8	-450.4	1363	2697.7	4537.3	-450.3	1364	2698.7	4042.6	-450.1	1365	2668	1204.6	-450.1
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1370	2823.7	873.6	-449.3	1371	2321	3201	-449.2	1372	2708.5	1204.6	-449.1	1373	2698.9	3956.9	-449
1374	3292.9	4564.8	-449	1375	2625.9	1204.6	-449	1376	2697.6	4574.1	-448.9	1377	3004.6	3238.5	-448.8
1378	4553	4564.8	-448.7	1379	2699	3914	-448.5	1380	2583.5	1204.6	-448.2	1381	2699.1	3871.3	-448.1
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1386	2697.5	4610.9	-447.6	1387	2291.2	4611	-447.6	1388	3253.5	4564.8	-447.1	1389	2291.2	4569.5	-447.1
1390	2658.1	3828.5	-446.6	1391	2786.2	1204.6	-446.6	1392	2291.2	4528.2	-446.5	1393	3054.2	4564.8	-446.4
1394	2291.2	4487	-446	1395	2617	3828.5	-445.6	1396	2291.2	4445.8	-445.5	1397	3213.5	4564.8	-445
1398	2823.7	1204.6	-445	1399	3004.7	3201	-445	1400	2291.2	4404.8	-444.9	1401	2575.9	3828.5	-444.6
1402	2291.2	4363.7	-444.4	1403	2291.2	4322.6	-443.8	1404	2534.9	3828.5	-443.5	1405	2823.7	1173.6	-443.4
1406	3087.9	4564.8	-443.4	1407	2823.7	898.8	-443.3	1408	2344.3	3201	-443.2	1409	2823.7	1027.1	-443.1
1410	2291.2	4281.4	-443.1	1411	2823.7	1061	-443.1	1412	3172.5	4564.8	-443	1413	3129.4	4564.8	-442.7
1414	2823.7	958.2	-442.6	1415	2823.7	1093.1	-442.6	1416	2823.7	992.4	-442.6	1417	2493.9	3828.5	-442.5
1418	4577.9	4564.8	-442.4	1419	2291.2	4240.2	-442	1420	2368.1	3201	-441.8	1421	2823.7	927.4	-441.7
1422	2452.9	3828.5	-441.5	1423	2823.7	1122.5	-441.4	1424	5538.8	4564.8	-441.4	1425	2970.9	3201	-440.8
1426	2291.2	4198.8	-440.6	1427	2412.2	3828.5	-440.3	1428	2823.7	1148.7	-439.8	1429	5508.8	4564.8	-439.1
1430	4607	4564.8	-439.1	1431	2291.2	4157.2	-439	1432	5476.1	4564.8	-439	1433	2371.7	3828.5	-438.8
1434	5438.9	4564.8	-438.6	1435	2390.9	3201	-438.2	1436	2291.2	4115.4	-438.1	1437	5400	4564.8	-437.6
1438	2291.2	4073.7	-437.5	1439	2291.2	4032	-437.1	1440	2291.2	3990.5	-436.9	1441	2291.2	3949.5	-436.7
1442	2291.2	3909.2	-436.6	1443	2331.4	3828.5	-436.4	1444	2520.5	4564.8	-435.6	1445	2291.2	3869	-435.4
1446	5359.9	4564.8	-435.3	1447	4640.3	4564.8	-435.1	1448	2243.7	1204.6	-434.3	1449	2281	1204.6	-434.3
1450	2401	1204.6	-434.3	1451	2243.7	1246	-434.3	1452	2243.7	1426	-434.3	1453	2243.7	1464.7	-434.3
1454	2291.2	1464.7	-434.3	1455	2901.1	3828.5	-434.3	1456	2943.1	3201	-434	1457	4961.6	4564.8	-433.9
1458	5001.1	4564.8	-433.7	1459	5319.5	4564.8	-433.5	1460	4922.1	4564.8	-433.5	1461	3861.2	4926	-433.3
1462	3890.7	4926	-433.3	1463	3920.2	4926	-433.3	1464	4390.3	4926	-433.3	1465	5278.8	4564.8	-433.2
1466	5040.5	4564.8	-433.2	1467	5238.3	4564.8	-433	1468	4882.8	4564.8	-432.9	1469	2251.2	3771	-432.5
1470	2251.2	3799.7	-432.5	1471	2251.2	3828.5	-432.5	1472	2291.2	3828.5	-432.5	1473	2206.2	3861	-432.5

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
1474	5198.5	4564.8	-432.5	1475	2291.2	1504.2	-432.4	1476	5080	4564.8	-432.4	1477	5158.9	4564.8	-432.2
1478	5119.4	4564.8	-432.2	1479	2988.7	4247.6	-432	1480	3002.9	4247.6	-432	1481	2988.7	4313.9	-432
1482	2988.8	4413.9	-432	1483	2564.3	4564.8	-431.9	1484	2724.7	3201	-431.8	1485	4843.7	4564.8	-431.7
1486	2802.2	3201	-431.6	1487	2911.7	3201	-431.6	1488	2877.7	3201	-431.6	1489	2685.9	3201	-431.4
1490	2291.2	1543.7	-431.4	1491	2988.7	4280.4	-431.3	1492	2420.5	4564.8	-431.3	1493	2763.5	3201	-431.2
1494	2243.7	1164.5	-431.2	1495	2647.2	3201	-431	1496	2840.3	3201	-431	1497	4804.6	4564.8	-430.8
1498	2291.2	1583.3	-430.8	1499	2608.8	3201	-430.6	1500	2291.2	1622.8	-430.4	1501	3861.2	4885.8	-430.2
1502	2570.7	3201	-430	1503	2291.2	1662.3	-430	1504	2333.8	1464.7	-429.9	1505	2533	3201	-429.7
1506	2291.2	1701.8	-429.7	1507	4765.3	4564.8	-429.6	1508	2291.2	1741.1	-429.4	1509	2608	4564.8	-429.2
1510	3043.5	4247.7	-429.1	1511	2291.2	1780.3	-429	1512	3003	4205.6	-428.9	1513	2243.7	1124.4	-428.8
1514	2291.2	1819.2	-428.7	1515	2495.7	3201	-428.5	1516	2291.2	1858	-428.4	1517	2771.1	3828.5	-428.3
1518	2291.2	1896.7	-428.1	1519	2698.2	4301.8	-428	1520	2698	4391.8	-428	1521	3861.2	4845.7	-427.9
1522	2935.3	3828.5	-427.8	1523	4724.7	4564.8	-427.8	1524	2291.2	1935.3	-427.8	1525	2291.2	1973.9	-427.4
1526	3084.1	4247.7	-427.2	1527	2251.2	3671	-427.1	1528	4434	4926	-427.1	1529	2291.2	2012.7	-427.1
1530	2651.5	4564.8	-427.1	1531	2243.7	1084.2	-426.9	1532	2988.8	4451.6	-426.9	1533	3003.1	4163.6	-426.8
1534	2291.2	2051.7	-426.8	1535	2291.2	2091	-426.5	1536	2376.4	1464.7	-426.2	1537	2291.2	2130.4	-426.1
1538	3861.2	4805.6	-426.1	1539	4020.2	4926	-426	1540	4310.3	4926	-426	1541	2251.2	3634	-425.9
1542	3124.7	4247.8	-425.9	1543	2458.8	3201	-425.8	1544	2291.2	2170	-425.8	1545	2291.2	2209.7	-425.5
1546	2453.8	1204.6	-425.4	1547	2694.6	4564.8	-425.4	1548	3003.2	4121.6	-425.3	1549	2243.7	1044.1	-425.3
1550	4679.6	4564.8	-425.2	1551	2291.2	2249.5	-425.1	1552	3004.1	3554.7	-425.1	1553	3165.3	4247.9	-424.8
1554	2291.2	2289.4	-424.8	1555	2380.3	4564.8	-424.8	1556	3004	3594.3	-424.7	1557	3861.2	4765.5	-424.6
1558	2291.2	2329.6	-424.5	1559	2291.2	2370.1	-424.1	1560	3003.2	4079.6	-424.1	1561	2737.3	4564.8	-424
1562	3205.8	4248	-423.9	1563	2291.2	2410.9	-423.8	1564	3004	3634.3	-423.8	1565	2243.7	1004	-423.6
1566	2291.2	2451.8	-423.5	1567	3004.2	3515.2	-423.3	1568	2291.2	2492.8	-423.1	1569	2419	1464.7	-423.1
1570	3861.2	4725.3	-423.1	1571	3003.9	3674.9	-423	1572	3003.3	4037.7	-422.9	1573	2988.8	4489.3	-422.9
1574	3246.3	4248	-422.9	1575	2291.2	2533.8	-422.8	1576	2779.6	4564.8	-422.8	1577	2291.2	2574.8	-422.4
1578	2698.3	4258.2	-422.4	1579	2969.4	3828.5	-422.3	1580	3003.8	3715.3	-422.1	1581	2291.2	2615.7	-422.1
1582	2243.7	963.8	-422	1583	3286.6	4248.1	-421.9	1584	2697.9	4427.8	-421.9	1585	4477.7	4926	-421.9
1586	3003.4	3995.7	-421.8	1587	2251.2	3456.5	-421.8	1588	2291.2	2656.6	-421.7	1589	2251.2	3495.5	-421.7
1590	3004.2	3475.7	-421.6	1591	3861.2	4685.2	-421.6	1592	2821.7	4564.8	-421.6	1593	2251.2	3533.9	-421.5
1594	2251.2	3417.5	-421.4	1595	2291.2	2697.4	-421.4	1596	2251.2	3604	-421.2	1597	2291.2	2738.2	-421.1
1598	2251.2	3378.9	-421.1	1599	3326.7	4248.2	-421	1600	2423.2	3201	-420.9	1601	3003.8	3754.5	-420.8
1602	2291.2	2778.9	-420.7	1603	4056.3	4926	-420.7	1604	4274	4926	-420.7	1605	3003.4	3953.9	-420.6
1606	2251.2	3341	-420.6	1607	3004.3	3436	-420.5	1608	2863.6	4564.8	-420.5	1609	2243.7	923.7	-420.4
1610	2291.2	2819.8	-420.4	1611	2251.2	3570.3	-420.4	1612	3861.2	4645.1	-420.1	1613	2461.6	1464.7	-420.1
1614	2251.2	3304.3	-420.1	1615	3366.7	4248.2	-420	1616	2291.2	2861	-420	1617	2988.8	4527	-419.9
1618	2291.2	2902.5	-419.7	1619	2340.2	4564.8	-419.7	1620	3003.5	3912	-419.5	1621	2905.4	4564.8	-419.4
1622	2291.2	2944.5	-419.3	1623	2251.2	3269	-419.3	1624	3003.7	3792	-419.2	1625	3406.6	4248.3	-419.1
1626	2291.2	2987	-419	1627	3004.4	3396.3	-418.8	1628	2243.7	883.6	-418.8	1629	3861.2	4604.9	-418.7
1630	2291.2	3029.7	-418.6	1631	2698.4	4214.6	-418.6	1632	3003.6	3870.3	-418.4	1633	2947.1	4564.8	-418.3
1634	2291.2	3072.4	-418.3	1635	2251.2	3234.9	-418.3	1636	3446.4	4248.4	-418.2	1637	2735.1	3828.5	-418.1
1638	2291.2	3115.3	-417.9	1639	2291.2	3158.1	-417.6	1640	2697.9	4464	-417.6	1641	4092.5	4926	-417.4
1642	4237.7	4926	-417.4	1643	3004.4	3356.6	-417.4	1644	2243.7	843.5	-417.2	1645	2281.2	843.5	-417.2
1646	2319	843.5	-417.2	1647	2357.2	843.5	-417.2	1648	2395.7	843.5	-417.2	1649	2434.3	843.5	-417.2
1650	2473.1	843.5	-417.2	1651	2512	843.5	-417.2	1652	2551.1	843.5	-417.2	1653	2590.4	843.5	-417.2
1654	2629.6	843.5	-417.2	1655	2668.8	843.5	-417.2	1656	2707.8	843.5	-417.2	1657	2746.6	843.5	-417.2
1658	2785.2	843.5	-417.2	1659	2823.7	843.5	-417.2	1660	2506.6	1204.6	-417.2	1661	2507.5	1241.8	-417.2
1662	2506.9	1278.9	-417.2	1663	2506.4	1316.1	-417.2	1664	2505.8	1353.2	-417.2	1665	2505.3	1390.4	-417.2
1666	2504.7	1427.5	-417.2	1667	2504.1	1464.7	-417.2	1668	2251.2	3201	-417.2	1669	2291.2	3201	-417.2
1670	3003.7	3828.5	-417.2	1671	3486.2	4248.4	-417.2	1672	3486.2	4288	-417.2	1673	3486.2	4327.5	-417.2
1674	3486.1	4367.1	-417.2	1675	3486.1	4406.6	-417.2	1676	3486.1	4446.2	-417.2	1677	3486.1	4485.7	-417.2
1678	3486.1	4525.3	-417.2	1679	2988.8	4564.8	-417.2	1680	3486.1	4564.8	-417.2	1681	3523.9	4564.8	-417.2
1682	3561.7	4564.8	-417.2	1683	3599.3	4564.8	-417.2	1684	3636.9	4564.8	-417.2	1685	3674.3	4564.8	-417.2
1686	3711.7	4564.8	-417.2	1687	3749.1	4564.8	-417.2	1688	3786.4	4564.8	-417.2	1689	3823.8	4564.8	-417.2
1690	3861.2	4564.8	-417.2	1691	3899.7	4564.8	-417.2	1692	3938.3	4564.8	-417.2	1693	3976.8	4564.8	-417.2
1694	4015.4	4564.8	-417.2	1695	4053.9	4564.8	-417.2	1696	4092.5	4564.8	-417.2	1697	4131.1	4564.8	-417.2
1698	4169.7	4564.8	-417.2	1699	4208.4	4564.8	-417.2	1700	4247.2	4564.8	-417.2	1701	4285.9	4564.8	-417.2
1702	4324.7	4564.8	-417.2	1703	4363.6	4564.8	-417.2	1704	4402.7	4564.8	-417.2	1705	4442	4564.8	-417.2
1706	4481.6	4564.8	-417.2	1707	4521.4	4564.8	-417.2	1708	4521.4	4604.9	-417.2	1709	4521.4	4645.1	-417.2
1710	4521.4	4685.2	-417.2	1711	4521.4	4725.3	-417.2	1712	4521.4	4765.5	-417.2	1713	4521.4	4805.6	-417.2
1714	4521.4	4845.7	-417.2	1715	4521.4	4885.8	-417.2	1716	4521.4	4926	-417.2	1717	3447.6	4564.8	-416.6
1718	2698.5	4171.3	-416	1719	5598.7	4564.8	-415.9	1720	3409.1	4564.8	-415.8	1721	4128.7	4926	-415.7
1722	4201.3	4926	-415.7	1723	2316.9	3201	-415.7	1724	2300.1	4564.8	-415.6	1725	3004.5	3316.9	-415.5
1726	4165	4926	-415.2	1727	2340.8	3201	-415	1728	4548.8	4564.8	-414.8	1729	2823.7	870.7	-414.8
1730	3370.4	4564.8	-414.7	1731	2697.8	4500.4	-414.5	1732	2539.7	1204.6	-414.4	1733	2395	3201	-414.4
1734	2698.6	4128.1	-414.4	1735	2368.1	3201	-413.7	1736	2823.7	1122.9	-413.6	1737	2823.7	1093.4	-413.6
1738	3004.6	3277.4	-413.3	1739	5569.4	4564.8	-413.3	1740	3331.5	4564.8	-413.2	1741	2698.7	4085	-413.2
1742	2823.7	1062.4	-413	1743	4574.1	4564.8	-412.8	1744	2823.7	897.1	-412.6	1745	2697.7	4537	-412.3
1746	2698.7	4042.1	-412.2	1747	2260.1	4564.8	-412.1	1748	2823.7	1028.6	-412	1749	3018.7	4564.8	-411.9
1750	2823.7	993.7	-411.7	1751	2698.8	3999.3	-411.5	1752	4602.1	4564.8	-411.5	1753	2669.7	1204.6	-411.3
1754	2823.7	927.5	-411.2	1755	3292.2	4564.8	-411	1756	2823.7	960.1	-410.9	1757	2698.9	3956.5	-410.8
1758	5541.9	4564.8	-410.8	1759	2697.6	4573.9	-410.5	1760	2699	3913.8	-410.2	1761	2710.3	1204.6	-409.7
1762	2699.1	3871.1	-409.5	1763	3004.6	3238.7	-409.4	1764	2699.2	3828.5	-408.9	1765	2220.2	4564.8	-408.9
1766	2697.5	4610.9	-408.9	1767	2291.2	4611	-408.9	1768	4633	4564.8	-408.7	1769	5510.2	4564.8	-408.5
1770	2626.2	1204.6	-408.5	1771	2291.2	4569.4	-408.3	1772	3252.5	4564.8	-408.2	1773	2748.8	1204.6	-407.9
1774	2658.1	3828.5	-407.7	1775	2291.2	4528	-407.6	1776	5476.1	4564.8	-407.2	1777	2291.2	4486.8	-407
1778	2823.7	1146.5	-406.8	1779	2786.8	1204.6	-406.6	1780	2617.1	3828.5	-406.5	1781	3047.2	4564.8	-406.4
1782	2291.2	4445.6	-406.4	1783	5439.8	4564.8	-406.3	1784	2291.2	4404.6	-405.7	1785	2576	3828.5	-405.3
1786	2823.7	1174.5	-405.3	1787	4658.3	4564.8	-405.2	1788	2291.2	4363.6	-405.1	1789	2823.7	1204.6	-405
1790	3004.7	3201	-405	1791	3212.2	4564.8	-404.6	1792	5400.8	4564.8	-404.4	1793	2291.2	4322.5	-404.3
1794	2535	3828.5	-404.1	1795	2578.9	1204.6	-403.6	1796	2291.2	4281.4	-403.2	1797	2494	3828.5	-402.9
1798	2973.9	3201	-402.3	1799	5360.8	4564.8	-401.9	1800	2453.1	3828.5	-401.7	1801	2291.2	4240	-401.5
1802	2520.5	4564.8	-401.1	1803	2412.4	3828.5	-400.4	1804	3071	4564.8	-400	1805	3121	4564.8	-400
1806	3171	4564.8	-400	1807	2945.1	3201	-399.9	1808	5320.1	4564.8	-399.1	1809	2371.9	3828.5	-399
1810	2291.2	4198.3	-398.9	1811	2243.7	1204.6	-398.6	1812	2281	1204.6	-398.6	1813	2401	1204.6	-398.6
1814	2243.7	1246	-398.6	1815	2243.7	1426	-398.6	1816	2243.7	1464.7	-398.6	1817	2291.2	1464.7	-398.6
1818	2901.1	3828.5	-398.6	1819	4922.8	4564.8	-398.4	1820	4883.7	4564.8	-398.3	1821	4962.1	4564.8	-398.3
1822	2564.3	4564.8	-398.2	1823	5001.4	4564.8	-398.1	1824	5278.7	4564.8	-398	1825	4844.8	4564.8	-398
1826	5040.7	4564.8	-397.8	1827	2291.2	1504.2	-397.7	1828	5080	4564.8	-397.6	1829	2911.6	3201	-397.6
1830	5237.7	4564.8	-397.4	1831	2331.5	3828.5	-397.2	1832	2291.2	1543.7	-397	1833	5198	4564.8	-396.8
1834	4806.6	4564.8	-396.7	1835	5119.3	4564.8	-396.7	1836	3861.2	4926	-396.7	1837	3890.7	4926	-396.7
1838	3920.2	4926	-396.7	1839	4390.3	4926	-396.7	1840	5158.6	4564.8	-396.6	1841	2291.2	1583.3	-396.5
1842	2876.1	3201	-396.5	1843	2243.7	1164.5	-396.2	1844	2291.2	1622.8	-396.1	1845	2291.2	1662.3	-395.8
1846	2800.5	3201	-395.7	1847	2838.5	3201	-395.7	1848	2291.2	4156.2	-395.6	1849	2723.4	3201	-395.6
1850	2607.9	4564.8	-395.5	1851	2291.2	3868.2	-395.5	1852	2291.2	1701.8	-395.4	1853	2762	3201	-395.4
1854	4768.5	4564.8	-395.3	1855	2684.9	3201	-395.3	1856	2291.2	3907.2	-395	1857	2291.2	1741.1	-395
1858	2251.2	3771	-395	1859	2251.2	3799.7	-395	1860	2251.2	3828.5	-395	1861	2291.2	3828.5	-395
1862	2206.2	3861	-395	1863	2646.6	3201	-395	1864	2333.8	1464.7	-394.8	1865	2291.2	1780.3	-394.6

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
1866	2608.7	3201	-394.5	1867	3861.2	4885.8	-394.5	1868	2291.2	4113.9	-394.4	1869	2291.2	1819.2	-394.3
1870	2243.7	1124.4	-394.1	1871	2988.7	4247.6	-394	1872	3002.9	4247.6	-394	1873	2988.7	4280.8	-394
1874	2988.7	4313.9	-394	1875	2988.8	4413.9	-394	1876	2291.2	1858	-393.9	1877	2291.2	4071.6	-393.9
1878	2571.3	3201	-393.8	1879	2291.2	3946	-393.8	1880	2291.2	4029.3	-393.6	1881	2291.2	1896.7	-393.5
1882	2291.2	3987.2	-393.5	1883	2534.2	3201	-393.4	1884	2651.3	4564.8	-393.3	1885	2291.2	1935.3	-393.2
1886	4730.6	4564.8	-392.9	1887	2291.2	1974	-392.8	1888	3861.2	4845.7	-392.6	1889	2935.2	3828.5	-392.5
1890	2420.5	4564.8	-392.5	1891	2291.2	2012.7	-392.5	1892	3043.7	4247.7	-392.4	1893	2243.7	1084.2	-392.2
1894	3003	4205.6	-392.2	1895	2291.2	2051.7	-392.1	1896	2291.2	2091	-391.7	1897	2497.9	3201	-391.7
1898	2694.4	4564.8	-391.4	1899	2291.2	2130.4	-391.4	1900	2376.4	1464.7	-391.2	1901	4434	4926	-391.2
1902	3084.4	4247.8	-391.1	1903	2291.2	2170	-391	1904	3861.2	4805.6	-390.9	1905	3003.1	4163.5	-390.7
1906	2291.2	2209.7	-390.6	1907	2243.7	1044.1	-390.4	1908	2291.2	2249.5	-390.2	1909	2988.8	4451.5	-390.2
1910	3125.1	4247.8	-390	1911	2291.2	2289.4	-389.9	1912	2453.6	1204.6	-389.8	1913	2737.1	4564.8	-389.8
1914	3004.1	3557.9	-389.7	1915	2291.2	2329.6	-389.5	1916	3003.2	4121.5	-389.4	1917	2462.7	3201	-389.4
1918	3861.2	4765.5	-389.2	1919	2291.2	2370.1	-389.1	1920	2823.7	1119.7	-389.1	1921	3165.8	4247.9	-388.9
1922	2291.2	2410.9	-388.7	1923	2243.7	1004	-388.5	1924	3004	3598	-388.3	1925	2291.2	2451.8	-388.3
1926	4692.9	4564.8	-388.3	1927	2779.5	4564.8	-388.2	1928	3003.2	4079.5	-388.2	1929	3206.4	4248	-388
1930	2291.2	2492.8	-387.9	1931	2419	1464.7	-387.9	1932	3861.2	4725.3	-387.6	1933	2291.2	2533.8	-387.6
1934	2291.2	2574.8	-387.2	1935	3003.3	4037.5	-387	1936	2380.3	4564.8	-387	1937	3246.9	4248	-387
1938	3004	3638.4	-386.9	1939	2988.8	4489.2	-386.9	1940	3004.2	3517.7	-386.8	1941	2291.2	2615.7	-386.8
1942	2969.4	3828.5	-386.8	1943	2821.6	4564.8	-386.8	1944	2243.7	963.8	-386.7	1945	2771.1	3828.5	-386.7
1946	2428.9	3201	-386.5	1947	2291.2	2656.6	-386.4	1948	3003.9	3679	-386.3	1949	4477.7	4926	-386.1
1950	3861.2	4685.2	-386.1	1951	3287.2	4248.1	-386	1952	2291.2	2697.4	-386	1953	2698.2	4301.8	-386
1954	2698	4391.8	-386	1955	3003.4	3995.6	-385.9	1956	2291.2	2738.2	-385.6	1957	3003.8	3719.5	-385.5
1958	2863.6	4564.8	-385.4	1959	2291.2	2779	-385.3	1960	3327.3	4248.2	-385.1	1961	2823.7	1095.4	-385
1962	2243.7	923.7	-384.9	1963	2291.2	2819.9	-384.9	1964	3003.4	3953.8	-384.7	1965	3004.2	3477.6	-384.6
1966	2461.6	1464.7	-384.6	1967	2291.2	2861	-384.5	1968	3861.2	4645.1	-384.5	1969	2251.2	3671	-384.3
1970	3003.8	3758	-384.2	1971	3367.1	4248.2	-384.1	1972	2291.2	2902.6	-384.1	1973	2905.4	4564.8	-384
1974	2988.8	4527	-383.9	1975	2251.2	3637.3	-383.8	1976	2291.2	2944.6	-383.7	1977	3003.5	3912	-383.6
1978	2251.2	3605.6	-383.5	1979	2291.2	2987	-383.3	1980	3406.9	4248.3	-383.2	1981	2243.7	883.6	-383.1
1982	2398.2	3201	-383	1983	2251.2	3453.8	-382.9	1984	2291.2	3029.7	-382.9	1985	2251.2	3415.1	-382.9
1986	3861.2	4604.9	-382.9	1987	2251.2	3376.9	-382.9	1988	3004.3	3437.4	-382.8	1989	2251.2	3339.5	-382.8
1990	3003.7	3793.8	-382.8	1991	2251.2	3569.3	-382.7	1992	2251.2	3531.2	-382.7	1993	2947.1	4564.8	-382.6
1994	2251.2	3303.3	-382.6	1995	2251.2	3492.8	-382.6	1996	2698.3	4257.9	-382.5	1997	2291.2	3072.5	-382.5
1998	3003.6	3870.2	-382.4	1999	2251.2	3268.4	-382.3	2000	3446.5	4248.4	-382.2	2001	2340.2	4564.8	-382.1
2002	2291.2	3115.3	-382.1	2003	2368.9	3201	-382.1	2004	4020.2	4926	-382	2005	4310.3	4926	-382
2006	2697.9	4427.5	-382	2007	2531.7	1204.6	-381.9	2008	2823.7	1064.1	-381.8	2009	2251.2	3234.5	-381.8
2010	4662.3	4564.8	-381.8	2011	2291.2	3158.1	-381.7	2012	2243.7	843.5	-381.3	2013	2280.9	843.5	-381.3
2014	2318.4	843.5	-381.3	2015	2356.4	843.5	-381.3	2016	2394.8	843.5	-381.3	2017	2433.4	843.5	-381.3
2018	2472.2	843.5	-381.3	2019	2511.3	843.5	-381.3	2020	2550.5	843.5	-381.3	2021	2589.9	843.5	-381.3
2022	2629.3	843.5	-381.3	2023	2668.7	843.5	-381.3	2024	2707.8	843.5	-381.3	2025	2746.6	843.5	-381.3
2026	2785.2	843.5	-381.3	2027	2823.7	843.5	-381.3	2028	2506.1	1204.6	-381.3	2029	2507.5	1241.8	-381.3
2030	2506.9	1278.9	-381.3	2031	2506.4	1316.1	-381.3	2032	2505.8	1353.2	-381.3	2033	2505.3	1390.4	-381.3
2034	2504.7	1427.5	-381.3	2035	2504.1	1464.7	-381.3	2036	2251.2	3201	-381.3	2037	2291.2	3201	-381.3
2038	3003.7	3828.5	-381.3	2039	3486.2	4248.4	-381.3	2040	3486.2	4288	-381.3	2041	3486.2	4327.5	-381.3
2042	3486.1	4367.1	-381.3	2043	3486.1	4406.6	-381.3	2044	3486.1	4446.2	-381.3	2045	3486.1	4485.7	-381.3
2046	3486.1	4525.3	-381.3	2047	2988.8	4564.8	-381.3	2048	3486.1	4564.8	-381.3	2049	3524.1	4564.8	-381.3
2050	3561.9	4564.8	-381.3	2051	3599.6	4564.8	-381.3	2052	3637.1	4564.8	-381.3	2053	3674.5	4564.8	-381.3
2054	3711.9	4564.8	-381.3	2055	3749.2	4564.8	-381.3	2056	3786.5	4564.8	-381.3	2057	3823.9	4564.8	-381.3
2058	3861.2	4564.8	-381.3	2059	3899.7	4564.8	-381.3	2060	3938.1	4564.8	-381.3	2061	3976.6	4564.8	-381.3
2062	4015	4564.8	-381.3	2063	4053.5	4564.8	-381.3	2064	4091.9	4564.8	-381.3	2065	4130.5	4564.8	-381.3
2066	4169	4564.8	-381.3	2067	4207.7	4564.8	-381.3	2068	4246.4	4564.8	-381.3	2069	4285.1	4564.8	-381.3
2070	4323.9	4564.8	-381.3	2071	4362.8	4564.8	-381.3	2072	4402	4564.8	-381.3	2073	4441.4	4564.8	-381.3
2074	4481.3	4564.8	-381.3	2075	4521.4	4564.8	-381.3	2076	4521.4	4604.9	-381.3	2077	4521.4	4645.1	-381.3
2078	4521.4	4685.2	-381.3	2079	4521.4	4725.3	-381.3	2080	4521.4	4765.5	-381.3	2081	4521.4	4805.6	-381.3
2082	4521.4	4845.7	-381.3	2083	4521.4	4885.8	-381.3	2084	4521.4	4926	-381.3	2085	2341.7	3201	-381.2
2086	2315.9	3201	-381.1	2087	3447.6	4564.8	-380.5	2088	3004.4	3397.4	-380.4	2089	4547.3	4564.8	-380.4
2090	4573.1	4564.8	-380	2091	2823.7	869.9	-379.9	2092	2823.7	1030.3	-379.8	2093	2698.4	4214.2	-379.7
2094	4632.5	4564.8	-379.6	2095	5598.7	4564.8	-379.5	2096	3409	4564.8	-379.5	2097	4602.3	4564.8	-379.5
2098	2556.5	1204.6	-379.4	2099	4056.2	4926	-379.4	2100	4274	4926	-379.4	2101	2823.7	896.7	-378.8
2102	2697.9	4463.5	-378.6	2103	2823.7	995.3	-378.6	2104	3004.4	3357.3	-378.5	2105	2735.1	3828.5	-378.3
2106	5571.1	4564.8	-378.3	2107	3370.3	4564.8	-378.1	2108	2823.7	927.6	-378	2109	2823.7	961	-378
2110	2300.1	4564.8	-377.8	2111	2698.5	4170.7	-377.6	2112	4092.3	4926	-377.5	2113	4237.7	4926	-377.5
2114	5543.4	4564.8	-377.1	2115	4128.6	4926	-376.4	2116	4201.3	4926	-376.4	2117	3004.5	3317.4	-376.4
2118	4164.9	4926	-376.1	2119	2698.6	4127.4	-376.1	2120	3331.2	4564.8	-376	2121	2697.8	4499.9	-375.9
2122	5511.2	4564.8	-375.6	2123	2698.7	4084.4	-374.9	2124	3017.3	4564.8	-374.4	2125	5476.8	4564.8	-374.3
2126	2698.7	4041.5	-373.9	2127	2260.1	4564.8	-373.9	2128	2697.7	4536.6	-373.8	2129	3004.6	3277.8	-373.5
2130	3291.8	4564.8	-373.2	2131	2698.8	3998.8	-373.1	2132	5440.8	4564.8	-373.1	2133	2698.9	3956.1	-372.3
2134	2697.6	4573.7	-371.9	2135	2699	3913.6	-371.6	2136	2699.1	3871	-370.9	2137	5402.5	4564.8	-370.8
2138	2699.2	3828.5	-370.2	2139	2220.2	4564.8	-370.2	2140	2697.5	4610.9	-370.2	2141	2291.2	4611	-370.2
2142	2672.3	1204.6	-369.8	2143	2291.2	4569.3	-369.6	2144	3252	4564.8	-369.6	2145	3004.6	3239.2	-369.3
2146	2630.6	1204.6	-369.1	2147	2658.2	3828.5	-369	2148	2291.2	4527.8	-368.9	2149	2711.7	1204.6	-368.6
2150	2291.2	4486.5	-368.3	2151	2823.7	1139	-368.2	2152	2617.1	3828.5	-367.8	2153	2291.2	4445.5	-367.7
2154	5362.8	4564.8	-367.6	2155	2749.9	1204.6	-367.4	2156	3044.9	4564.8	-367.4	2157	2291.2	4404.5	-367
2158	2520.5	4564.8	-366.7	2159	2576.1	3828.5	-366.6	2160	2291.2	4363.5	-366.3	2161	2787.1	1204.6	-366.2
2162	2823.7	1173.2	-365.9	2163	2291.2	4322.5	-365.5	2164	2535.1	3828.5	-365.3	2165	3211.7	4564.8	-365.1
2166	2823.7	1204.6	-365	2167	3004.7	3201	-365	2168	2494.1	3828.5	-364.1	2169	2291.2	4281.3	-364.1
2170	2564.3	4564.8	-363.9	2171	2974.9	3201	-363.6	2172	2453.2	3828.5	-362.9	2173	2243.7	1204.6	-362.9
2174	2281	1204.6	-362.9	2175	2401	1204.6	-362.9	2176	2243.7	1246	-362.9	2177	2243.7	1426	-362.9
2178	2243.7	1464.7	-362.9	2179	2291.2	1464.7	-362.9	2180	2901.1	3828.5	-362.9	2181	2945.3	3201	-362.3
2182	2291.2	1504.2	-362.3	2183	5321.6	4564.8	-362.3	2184	2291.2	1543.7	-361.8	2185	2412.5	3828.5	-361.7
2186	2291.2	4239.8	-361.6	2187	2592.1	1204.6	-361.5	2188	4923.6	4564.8	-361.5	2189	4884.6	4564.8	-361.4
2190	4962.7	4564.8	-361.4	2191	2291.2	1583.3	-361.4	2192	2607.9	4564.8	-361.4	2193	5278.6	4564.8	-361.2
2194	5001.8	4564.8	-361.2	2195	5041	4564.8	-361	2196	4846.1	4564.8	-361	2197	2291.2	1622.8	-361
2198	2911.1	3201	-360.9	2199	2243.7	1164.5	-360.8	2200	5237.2	4564.8	-360.7	2201	5080	4564.8	-360.7
2202	2291.2	1662.3	-360.6	2203	2372	3828.5	-360.4	2204	5197.5	4564.8	-360.3	2205	5119.1	4564.8	-360.2
2206	2291.2	1701.8	-360.2	2207	5158.2	4564.8	-360.1	2208	2874.9	3201	-360.1	2209	3071	4564.8	-360
2210	3171	4564.8	-360	2211	3861.2	4926	-360	2212	3890.7	4926	-360	2213	3920.2	4926	-360
2214	4390.3	4926	-360	2215	4808.4	4564.8	-359.9	2216	2291.2	1741.1	-359.8	2217	2837	3201	-359.5
2218	2291.2	1780.3	-359.4	2219	2333.8	1464.7	-359.3	2220	2798.8	3201	-359.2	2221	2651.3	4564.8	-359.1
2222	2291.2	1819.2	-359	2223	2331.5	3828.5	-359	2224	2760.5	3201	-358.9	2225	2243.7	1124.4	-358.8
2226	2722.2	3201	-358.8	2227	2291.2	1858	-358.7	2228	2684	3201	-358.5	2229	4771.2	4564.8	-358.4
2230	2291.2	1896.7	-358.3	2231	3861.2	4885.8	-358.2	2232	2646	3201	-358.2	2233	2291.2	1935.3	-357.9
2234	2608.6	3201	-357.8	2235	2291.2	1974	-357.5	2236	2251.2	3771	-357.5	2237	2251.2	3799.7	-357.5
2238	2251.2	3828.5	-357.5	2239	2291.2	3828.5	-357.5	2240	2206.2	3861	-357.5	2241	2571.4	3201	-357.4
2242	2291.2	4197.8	-357.3	2243	2291.2	2012.7	-357.1	2244	2694.3	4564.8	-357	2245	2935.2	3828.5	-356.9
2246	2243.7	1084.2	-356.8	2247	2291.2	2051.7	-356.7	2248	3861.2	4845.7	-356.5	2249	2291.2	3867.2	-356.5
2250	2291.2	2091	-356.3	2251	2535.3	3201	-356.2	2252	4734.6	4564.8	-356.2	2253	2988.7	4247.6	-356
2254	3002.9	4247.6	-356	2255	2988.7	4280.8	-356	2256	2988.7	4313.9	-356	2257	2988.8	4413.9	-356

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
2258	2291.2	2130.4	-356	2259	2376.4	1464.7	-355.7	2260	2291.2	2170	-355.6	2261	2823.7	1102.4	-355.2
2262	2291.2	2209.7	-355.2	2263	2737.1	4564.8	-355.1	2264	3043.8	4247.7	-355	2265	4434	4926	-355
2266	2243.7	1044.1	-354.9	2267	3861.2	4805.6	-354.9	2268	3003	4205.5	-354.8	2269	2291.2	2249.5	-354.8
2270	2499.7	3201	-354.5	2271	2291.2	3904.5	-354.4	2272	2291.2	2289.4	-354.4	2273	2453.3	1204.6	-354.1
2274	3084.6	4247.8	-354.1	2275	2291.2	2329.6	-354	2276	2420.5	4564.8	-353.8	2277	3003.1	4163.5	-353.7
2278	2291.2	2370.1	-353.6	2279	2779.5	4564.8	-353.4	2280	3861.2	4765.5	-353.3	2281	2291.2	2410.9	-353.2
2282	3125.4	4247.8	-353.1	2283	4699	4564.8	-353.1	2284	2988.8	4451.4	-353.1	2285	2243.7	1004	-353
2286	2465.4	3201	-352.8	2287	2291.2	2451.8	-352.8	2288	3003.2	4121.4	-352.7	2289	3004.1	3561	-352.5
2290	2291.2	2492.8	-352.4	2291	3166.2	4247.9	-352.3	2292	2419	1464.7	-352.2	2293	2291.2	2533.8	-352
2294	3861.2	4725.3	-351.7	2295	2821.6	4564.8	-351.7	2296	3003.2	4079.4	-351.6	2297	2291.2	2574.8	-351.6
2298	3206.9	4248	-351.4	2299	2561.3	1204.6	-351.3	2300	2291.2	2615.7	-351.2	2301	2243.7	963.8	-351.1
2302	2969.4	3828.5	-351.1	2303	2432	3201	-350.9	2304	2291.2	2656.6	-350.7	2305	3003.3	4037.4	-350.6
2306	3004	3601.3	-350.5	2307	3247.5	4248	-350.5	2308	2291.2	2697.4	-350.3	2309	2988.8	4489.1	-350.3
2310	3861.2	4685.2	-350.1	2311	4477.7	4926	-350.1	2312	2863.6	4564.8	-350.1	2313	2291.2	3939.1	-350
2314	2291.2	3982.3	-350	2315	2291.2	4025.5	-350	2316	2291.2	4068.7	-350	2317	2291.2	4111.9	-350
2318	2291.2	4155.1	-350	2319	2291.2	2738.2	-349.9	2320	3287.8	4248.1	-349.6	2321	4666	4564.8	-349.6
2322	3004.2	3520.1	-349.6	2323	2823.7	1067.6	-349.6	2324	2291.2	2779	-349.5	2325	3003.4	3995.5	-349.5
2326	2243.7	923.7	-349.2	2327	2291.2	2819.9	-349.1	2328	3004	3641.9	-348.9	2329	2461.6	1464.7	-348.8
2330	3327.8	4248.2	-348.8	2331	2380.3	4564.8	-348.7	2332	2291.2	2861	-348.7	2333	2400.7	3201	-348.6
2334	3861.2	4645.1	-348.5	2335	2905.4	4564.8	-348.5	2336	3003.4	3953.6	-348.5	2337	3003.9	3682.9	-348.4
2338	2291.2	2902.6	-348.3	2339	3367.6	4248.2	-347.9	2340	2291.2	2944.6	-347.9	2341	2988.8	4526.9	-347.8
2342	3003.8	3722.9	-347.7	2343	4633.9	4564.8	-347.7	2344	2533.2	1204.6	-347.7	2345	2291.2	2987	-347.5
2346	3003.5	3911.9	-347.4	2347	2370.7	3201	-347.4	2348	2243.7	883.6	-347.3	2349	3407.2	4248.3	-347.1
2350	2291.2	3029.7	-347.1	2351	3003.8	3760.8	-347	2352	3861.2	4604.9	-346.9	2353	2947.1	4564.8	-346.9
2354	4602.4	4564.8	-346.7	2355	3004.2	3479.5	-346.7	2356	2291.2	3072.5	-346.6	2357	2823.7	1032.5	-346.6
2358	2342.3	3201	-346.4	2359	3003.6	3870.2	-346.4	2360	3003.7	3795.8	-346.3	2361	3446.7	4248.4	-346.2
2362	2291.2	3115.3	-346.2	2363	4573.2	4564.8	-345.9	2364	2315.6	3201	-345.8	2365	2291.2	3158.1	-345.8
2366	4546.5	4564.8	-345.5	2367	2243.7	843.5	-345.4	2368	2280.5	843.5	-345.4	2369	2317.7	843.5	-345.4
2370	2355.6	843.5	-345.4	2371	2393.9	843.5	-345.4	2372	2432.5	843.5	-345.4	2373	2471.4	843.5	-345.4
2374	2510.5	843.5	-345.4	2375	2549.9	843.5	-345.4	2376	2589.5	843.5	-345.4	2377	2629.1	843.5	-345.4
2378	2668.6	843.5	-345.4	2379	2707.8	843.5	-345.4	2380	2746.7	843.5	-345.4	2381	2785.3	843.5	-345.4
2382	2823.7	843.5	-345.4	2383	2505.6	1204.6	-345.4	2384	2507.5	1241.8	-345.4	2385	2506.9	1278.9	-345.4
2386	2506.4	1316.1	-345.4	2387	2505.8	1353.2	-345.4	2388	2505.3	1390.4	-345.4	2389	2504.7	1427.5	-345.4
2390	2504.1	1464.7	-345.4	2391	2251.2	3201	-345.4	2392	2291.2	3201	-345.4	2393	3003.7	3828.5	-345.4
2394	3486.2	4248.4	-345.4	2395	3486.2	4288	-345.4	2396	3486.2	4327.5	-345.4	2397	3486.1	4367.1	-345.4
2398	3486.1	4406.6	-345.4	2399	3486.1	4446.2	-345.4	2400	3486.1	4485.7	-345.4	2401	3486.1	4525.3	-345.4
2402	2988.8	4564.8	-345.4	2403	3486.1	4564.8	-345.4	2404	3524.2	4564.8	-345.4	2405	3562.1	4564.8	-345.4
2406	3599.8	4564.8	-345.4	2407	3637.4	4564.8	-345.4	2408	3674.7	4564.8	-345.4	2409	3712.1	4564.8	-345.4
2410	3749.3	4564.8	-345.4	2411	3786.6	4564.8	-345.4	2412	3823.9	4564.8	-345.4	2413	3861.2	4564.8	-345.4
2414	3899.6	4564.8	-345.4	2415	3937.9	4564.8	-345.4	2416	3976.3	4564.8	-345.4	2417	4014.6	4564.8	-345.4
2418	4053	4564.8	-345.4	2419	4091.4	4564.8	-345.4	2420	4129.8	4564.8	-345.4	2421	4168.3	4564.8	-345.4
2422	4206.9	4564.8	-345.4	2423	4245.6	4564.8	-345.4	2424	4284.3	4564.8	-345.4	2425	4323.1	4564.8	-345.4
2426	4362	4564.8	-345.4	2427	4401.2	4564.8	-345.4	2428	4440.9	4564.8	-345.4	2429	4481	4564.8	-345.4
2430	4521.4	4564.8	-345.4	2431	4521.4	4604.9	-345.4	2432	4521.4	4645.1	-345.4	2433	4521.4	4685.2	-345.4
2434	4521.4	4725.3	-345.4	2435	4521.4	4765.5	-345.4	2436	4521.4	4805.6	-345.4	2437	4521.4	4845.7	-345.4
2438	4521.4	4885.8	-345.4	2439	4521.4	4926	-345.4	2440	2251.2	3234.4	-345.3	2441	2251.2	3268	-345.3
2442	2251.2	3303.3	-345.1	2443	2771.1	3828.5	-345	2444	2823.7	996.9	-344.9	2445	2251.2	3339.2	-344.8
2446	2823.7	869.7	-344.7	2447	3447.6	4564.8	-344.4	2448	2251.2	3376.2	-344.4	2449	2823.7	896.8	-344.3
2450	2823.7	962.2	-344	2451	3004.3	3438.9	-344	2452	2698.2	4301.8	-344	2453	2698	4391.8	-344
2454	2340.1	4564.8	-344	2455	2251.2	3414	-343.9	2456	2823.7	928.4	-343.8	2457	2251.2	3452.3	-343.3
2458	3409	4564.8	-343.3	2459	5598.7	4564.8	-343.2	2460	5572.4	4564.8	-342.9	2461	2251.2	3490.9	-342.7
2462	5544.1	4564.8	-342.4	2463	2251.2	3529.5	-342.2	2464	2698.3	4257.6	-341.9	2465	5512.2	4564.8	-341.8
2466	2251.2	3568.2	-341.7	2467	3370.2	4564.8	-341.5	2468	3004.4	3398.4	-341.5	2469	2251.2	3604.3	-341.5
2470	2251.2	3638.7	-341.5	2471	2251.2	3671	-341.4	2472	2697.9	4427.1	-341.3	2473	5478	4564.8	-341.1
2474	5442.5	4564.8	-340.2	2475	2698.4	4213.6	-340	2476	2300	4564.8	-339.6	2477	3004.4	3358.1	-339.4
2478	3331.1	4564.8	-339.1	2479	2697.9	4462.9	-338.9	2480	2698.5	4170	-338.4	2481	2735.1	3828.5	-338.2
2482	4020.2	4926	-338	2483	4310.3	4926	-338	2484	5405.3	4564.8	-337.8	2485	4056	4926	-337.3
2486	4274.1	4926	-337.2	2487	2698.6	4126.7	-337.2	2488	3016.7	4564.8	-337.1	2489	3004.5	3317.9	-336.7
2490	2697.8	4499.2	-336.7	2491	4092.1	4926	-336.6	2492	4237.7	4926	-336.6	2493	4128.4	4926	-336.2
2494	4201.3	4926	-336.2	2495	2698.7	4083.7	-336.1	2496	4164.8	4926	-336	2497	3291.6	4564.8	-335.7
2498	2260.1	4564.8	-335.5	2499	2698.7	4040.9	-335.2	2500	2697.7	4536.1	-334.8	2501	2698.8	3998.3	-334.4
2502	3004.6	3278.1	-333.7	2503	2698.9	3955.8	-333.7	2504	2697.6	4573.4	-333.1	2505	5367	4564.8	-333.1
2506	2699	3913.3	-332.9	2507	2699.1	3870.9	-332.2	2508	2520.5	4564.8	-332.2	2509	2699.2	3828.5	-331.5
2510	2220.2	4564.8	-331.5	2511	2697.5	4610.9	-331.5	2512	2291.2	4611	-331.5	2513	3251.8	4564.8	-331.3
2514	2291.2	4569.2	-330.9	2515	2658.2	3828.5	-330.4	2516	2291.2	4527.6	-330.3	2517	2291.2	4486.3	-329.7
2518	3004.6	3239.2	-329.5	2519	2564.3	4564.8	-329.4	2520	2617.2	3828.5	-329.2	2521	2291.2	4445.3	-329.1
2522	3044.2	4564.8	-328.6	2523	2291.2	4404.3	-328.5	2524	2576.2	3828.5	-328.1	2525	2291.2	4363.4	-327.8
2526	2674.4	1204.6	-327.2	2527	2713.1	1204.6	-327.1	2528	2243.7	1204.6	-327.1	2529	2281	1204.6	-327.1
2530	2401	1204.6	-327.1	2531	2243.7	1246	-327.1	2532	2243.7	1426	-327.1	2533	2243.7	1464.7	-327.1
2534	2291.2	1464.7	-327.1	2535	2901.1	3828.5	-327.1	2536	2291.2	4322.4	-327	2537	2535.2	3828.5	-327
2538	2608	4564.8	-326.8	2539	2291.2	1504.2	-326.6	2540	2750.8	1204.6	-326.6	2541	2291.2	1543.7	-326.2
2542	3211.5	4564.8	-325.9	2543	2635	1204.6	-325.9	2544	2787.6	1204.6	-325.8	2545	2494.2	3828.5	-325.8
2546	2291.2	1583.3	-325.8	2547	2291.2	4281.2	-325.5	2548	2291.2	1622.8	-325.4	2549	2243.7	1164.5	-325.1
2550	2823.7	1204.6	-325	2551	3004.7	3201	-325	2552	2291.2	1662.3	-325	2553	2453.4	3828.5	-324.7
2554	2823.7	1173.7	-324.7	2555	4924.3	4564.8	-324.6	2556	2291.2	1701.8	-324.6	2557	4885.6	4564.8	-324.5
2558	4963.2	4564.8	-324.4	2559	2974.6	3201	-324.4	2560	2651.3	4564.8	-324.3	2561	5002.2	4564.8	-324.2
2562	2291.2	1741.1	-324.2	2563	4847.3	4564.8	-324.1	2564	5041.2	4564.8	-324	2565	2944.1	3201	-323.9
2566	2291.2	1780.3	-323.8	2567	5080.1	4564.8	-323.7	2568	2333.8	1464.7	-323.5	2569	2412.6	3828.5	-323.5
2570	2823.7	1141.1	-323.5	2571	5118.9	4564.8	-323.5	2572	2291.2	1819.2	-323.4	2573	5236.4	4564.8	-323.4
2574	2910	3201	-323.4	2575	5196.8	4564.8	-323.3	2576	5157.8	4564.8	-323.3	2577	3861.2	4926	-323.3
2578	3890.7	4926	-323.3	2579	3920.2	4926	-323.3	2580	4390.3	4926	-323.3	2581	4810.1	4564.8	-323.1
2582	2243.7	1124.4	-323.1	2583	5277.8	4564.8	-323	2584	2873.4	3201	-323	2585	2291.2	1858	-323
2586	2291.2	4239.7	-322.8	2587	2835.6	3201	-322.8	2588	2291.2	1896.7	-322.6	2589	2797.4	3201	-322.5
2590	2372.1	3828.5	-322.4	2591	2759.2	3201	-322.3	2592	2291.2	1935.3	-322.2	2593	2694.4	4564.8	-322.1
2594	2721	3201	-322.1	2595	2291.2	1974	-321.8	2596	2683.1	3201	-321.8	2597	3861.2	4885.8	-321.7
2598	4773.3	4564.8	-321.7	2599	2645.6	3201	-321.4	2600	2291.2	2012.7	-321.4	2601	2597.8	1204.6	-321.3
2602	2331.6	3828.5	-321.2	2603	2935.2	3828.5	-321.1	2604	2243.7	1084.2	-321.1	2605	2291.2	2051.7	-321
2606	2608.5	3201	-320.9	2607	5325.2	4564.8	-320.6	2608	2291.2	2091	-320.6	2609	2291.2	2130.4	-320.2
2610	2571.8	3201	-320.2	2611	3861.2	4845.7	-320.1	2612	2737.1	4564.8	-320	2613	2251.2	3771	-320
2614	2251.2	3799.7	-320	2615	2251.2	3828.5	-320	2616	2291.2	3828.5	-320	2617	2206.2	3861	-320
2618	3071	4564.8	-320	2619	3171	4564.8	-320	2620	2376.4	1464.7	-320	2621	2291.2	2170	-319.8
2622	4737.4	4564.8	-319.7	2623	2291.2	2209.7	-319.4	2624	2243.7	1044.1	-319.2	2625	2536.2	3201	-319.1
2626	2291.2	2249.4	-319	2627	2291.2	2289.4	-318.6	2628	3861.2	4805.6	-318.6	2629	4434.1	4926	-318.6
2630	2291.2	3866.7	-318.3	2631	2453.1	1204.6	-318.3	2632	2291.2	2329.6	-318.2	2633	2291.2	4197.7	-318.2
2634	2823.7	1107.5	-318.2	2635	2779.5	4564.8	-318.1	2636	2988.7	4247.6	-318	2637	3002.9	4247.6	-318
2638	2988.7	4280.8	-318	2639	2988.7	4313.9	-318	2640	2988.8	4413.9	-318	2641	2291.2	2370.1	-317.8
2642	2501.1	3201	-317.7	2643	4702.4	4564.8	-317.4	2644	3043.9	4247.7	-317.4	2645	2291.2	2410.9	-317.4
2646	3003	4205.5	-317.3	2647	2243.7	1004	-317.2	2648	3861.2	4765.5	-317	2649	2291.2	2451.8	-317

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
2650	3084.8	4247.8	-316.7	2651	2291.2	2492.8	-316.6	2652	3003.1	4163.4	-316.5	2653	2419	1464.7	-316.4
2654	2821.6	4564.8	-316.3	2655	2467.2	3201	-316.2	2656	2291.2	2533.8	-316.2	2657	3125.8	4247.8	-316
2658	2565	1204.6	-315.8	2659	2988.8	4451.1	-315.8	2660	2291.2	2574.8	-315.7	2661	2291.2	3903.7	-315.7
2662	3003.2	4121.3	-315.6	2663	3861.2	4725.3	-315.5	2664	2291.2	2615.7	-315.3	2665	3166.7	4247.9	-315.3
2666	2243.7	963.8	-315.3	2667	2969.4	3828.5	-315.2	2668	4668.5	4564.8	-315.1	2669	2420.5	4564.8	-315
2670	2291.2	2656.6	-314.9	2671	3003.2	4079.3	-314.7	2672	2434	3201	-314.6	2673	2863.6	4564.8	-314.6
2674	3207.5	4248	-314.5	2675	2823.7	1071	-314.5	2676	2291.2	2697.4	-314.5	2677	2291.2	2738.2	-314.1
2678	3861.2	4685.2	-314	2679	4477.8	4926	-313.9	2680	3003.3	4037.3	-313.8	2681	3248.1	4248	-313.8
2682	2291.2	2779	-313.7	2683	2988.8	4488.8	-313.6	2684	4635.6	4564.8	-313.3	2685	2243.7	923.7	-313.3
2686	2291.2	2819.9	-313.3	2687	2401.8	3201	-313.1	2688	3004.1	3563.6	-313.1	2689	3288.5	4248.1	-313.1
2690	3003.4	3995.3	-313	2691	2461.6	1464.7	-312.9	2692	2291.2	2861.1	-312.9	2693	2905.4	4564.8	-312.8
2694	3861.2	4645.1	-312.5	2695	2291.2	2902.6	-312.4	2696	3328.4	4248.2	-312.3	2697	2534.3	1204.6	-312.3
2698	2823.7	1034.5	-312.2	2699	3003.4	3953.5	-312.1	2700	4603.6	4564.8	-312	2701	2291.2	2944.6	-312
2702	2371.4	3201	-311.9	2703	2291.2	3939.1	-311.7	2704	2291.2	4155.1	-311.7	2705	3368.1	4248.2	-311.6
2706	2291.2	2987	-311.6	2707	2988.8	4526.7	-311.5	2708	2243.7	883.6	-311.4	2709	3003.5	3911.8	-311.2
2710	2291.2	3029.7	-311.2	2711	2947.1	4564.8	-311.1	2712	4573.4	4564.8	-311	2713	3861.2	4604.9	-310.9
2714	2342.6	3201	-310.9	2715	3407.5	4248.3	-310.9	2716	2291.2	3072.5	-310.7	2717	2823.7	998.4	-310.6
2718	3004.2	3522.3	-310.5	2719	3004	3603.8	-310.5	2720	3003.6	3870.1	-310.3	2721	2291.2	3115.3	-310.3
2722	3446.9	4248.4	-310.2	2723	2380.2	4564.8	-310.1	2724	4546.2	4564.8	-310.1	2725	2315.9	3201	-310.1
2726	2291.2	3158.1	-309.9	2727	2823.7	963.5	-309.7	2728	2243.7	843.5	-309.4	2729	2280.1	843.5	-309.4
2730	2317.1	843.5	-309.4	2731	2354.7	843.5	-309.4	2732	2393	843.5	-309.4	2733	2431.6	843.5	-309.4
2734	2470.5	843.5	-309.4	2735	2509.7	843.5	-309.4	2736	2549.2	843.5	-309.4	2737	2589	843.5	-309.4
2738	2628.8	843.5	-309.4	2739	2668.5	843.5	-309.4	2740	2707.8	843.5	-309.4	2741	2746.8	843.5	-309.4
2742	2785.3	843.5	-309.4	2743	2823.7	843.5	-309.4	2744	2505.1	1204.6	-309.4	2745	2507.5	1241.8	-309.4
2746	2506.9	1278.9	-309.4	2747	2506.4	1316.1	-309.4	2748	2505.8	1353.2	-309.4	2749	2505.3	1390.4	-309.4
2750	2504.7	1427.5	-309.4	2751	2504.1	1464.7	-309.4	2752	2251.2	3201	-309.4	2753	2291.2	3201	-309.4
2754	3003.7	3828.5	-309.4	2755	3486.2	4248.4	-309.4	2756	3486.2	4288	-309.4	2757	3486.2	4327.5	-309.4
2758	3486.1	4367.1	-309.4	2759	3486.1	4406.6	-309.4	2760	3486.1	4446.2	-309.4	2761	3486.1	4485.7	-309.4
2762	3486.1	4525.3	-309.4	2763	2988.8	4564.8	-309.4	2764	3486.1	4564.8	-309.4	2765	3524.3	4564.8	-309.4
2766	3562.3	4564.8	-309.4	2767	3600.1	4564.8	-309.4	2768	3637.6	4564.8	-309.4	2769	3675	4564.8	-309.4
2770	3712.2	4564.8	-309.4	2771	3749.5	4564.8	-309.4	2772	3786.7	4564.8	-309.4	2773	3824	4564.8	-309.4
2774	3861.2	4564.8	-309.4	2775	3899.5	4564.8	-309.4	2776	3937.7	4564.8	-309.4	2777	3976	4564.8	-309.4
2778	4014.2	4564.8	-309.4	2779	4052.5	4564.8	-309.4	2780	4090.8	4564.8	-309.4	2781	4129.2	4564.8	-309.4
2782	4167.6	4564.8	-309.4	2783	4206.2	4564.8	-309.4	2784	4244.8	4564.8	-309.4	2785	4283.5	4564.8	-309.4
2786	4322.3	4564.8	-309.4	2787	4361.2	4564.8	-309.4	2788	4400.5	4564.8	-309.4	2789	4440.3	4564.8	-309.4
2790	4480.6	4564.8	-309.4	2791	4521.4	4564.8	-309.4	2792	4521.4	4604.9	-309.4	2793	4521.4	4645.1	-309.4
2794	4521.4	4685.2	-309.4	2795	4521.4	4725.3	-309.4	2796	4521.4	4765.5	-309.4	2797	4521.4	4805.6	-309.4
2798	4521.4	4845.7	-309.4	2799	4521.4	4885.8	-309.4	2800	4521.4	4926	-309.4	2801	2823.7	929.6	-309.3
2802	2823.7	870	-309.3	2803	3003.7	3796.1	-309.2	2804	2823.7	897.8	-309.2	2805	2251.2	3234	-308.9
2806	3003.8	3761.4	-308.7	2807	3004	3644.3	-308.7	2808	3003.8	3724.9	-308.5	2809	3447.6	4564.8	-308.4
2810	3003.9	3685.2	-308.3	2811	2251.2	3267.8	-308.3	2812	5444.4	4564.8	-307.8	2813	5478.9	4564.8	-307.8
2814	2251.2	3303.2	-307.6	2815	5512.4	4564.8	-307.6	2816	5543.5	4564.8	-307.3	2817	5573	4564.8	-307.1
2818	3409	4564.8	-307.1	2819	2251.2	3339.1	-306.8	2820	3004.2	3481.5	-306.8	2821	5598.7	4564.8	-306.8
2822	5409	4564.8	-306.7	2823	2251.2	3375.8	-306	2824	2340	4564.8	-305.5	2825	3370.2	4564.8	-305.2
2826	2251.2	3413.6	-304.9	2827	5375.1	4564.8	-304.7	2828	3004.3	3440.3	-304.3	2829	2251.2	3451.7	-303.7
2830	2771.1	3828.5	-303.3	2831	3331.1	4564.8	-302.4	2832	2251.2	3490.1	-302.2	2833	2698.2	4301.8	-302
2834	2698	4391.8	-302	2835	3004.4	3399.4	-301.7	2836	2299.9	4564.8	-301	2837	2698.3	4257	-301
2838	5348.3	4564.8	-300.7	2839	2251.2	3529	-300.5	2840	2697.9	4426.2	-300.4	2841	3016.6	4564.8	-299.9
2842	2698.4	4212.8	-299.9	2843	2251.2	3567.5	-299.6	2844	3004.4	3358.7	-299.4	2845	2251.2	3604.9	-299.4
2846	2251.2	3639.9	-298.9	2847	2697.9	4461.8	-298.8	2848	2698.5	4169.1	-298.8	2849	2251.2	3671	-298.6
2850	3291.6	4564.8	-298.5	2851	2735.2	3828.5	-298.1	2852	2698.6	4125.9	-297.8	2853	2520.5	4564.8	-297.8
2854	2697.8	4498.3	-297.2	2855	2698.7	4083	-297	2856	2260	4564.8	-296.9	2857	3004.5	3318.4	-296.4
2858	2698.7	4040.3	-296.2	2859	2697.7	4535.5	-295.7	2860	4128.1	4926	-295.6	2861	4164.7	4926	-295.6
2862	4201.3	4926	-295.5	2863	2698.8	3997.8	-295.5	2864	4091.7	4926	-295.5	2865	4237.9	4926	-295.4
2866	4055.7	4926	-295	2867	4274.3	4926	-294.9	2868	2698.9	3955.4	-294.8	2869	2564.4	4564.8	-294.7
2870	2697.6	4573.1	-294.2	2871	2699	3913	-294.1	2872	4020.2	4926	-294	2873	4310.3	4926	-294
2874	2699.1	3870.7	-293.5	2875	3004.6	3278.3	-293.5	2876	3251.7	4564.8	-293.3	2877	2699.2	3828.5	-292.8
2878	2220.2	4564.8	-292.8	2879	2697.5	4610.9	-292.8	2880	2291.2	4611	-292.8	2881	2291.2	4569.1	-292.3
2882	2658.2	3828.5	-291.8	2883	2608.1	4564.8	-291.8	2884	2291.2	4527.4	-291.7	2885	2243.7	1204.6	-291.4
2886	2281	1204.6	-291.4	2887	2401	1204.6	-291.4	2888	2243.7	1246	-291.4	2889	2243.7	1426	-291.4
2890	2243.7	1464.7	-291.4	2891	2291.2	1464.7	-291.4	2892	2901.1	3828.5	-291.4	2893	2291.2	4486.1	-291.2
2894	2291.2	1504.2	-290.8	2895	2617.2	3828.5	-290.8	2896	2291.2	4445.1	-290.7	2897	2291.2	1543.7	-290.2
2898	2291.2	4404.2	-290.1	2899	3044	4564.8	-290.1	2900	2291.2	1583.3	-289.8	2901	2576.3	3828.5	-289.7
2902	2291.2	4363.3	-289.5	2903	3004.6	3239.1	-289.4	2904	2291.2	1622.8	-289.4	2905	2243.7	1164.5	-289.2
2906	2651.5	4564.8	-289.1	2907	2291.2	1662.3	-289	2908	2535.3	3828.5	-288.7	2909	2291.2	4322.4	-288.7
2910	2291.2	1701.8	-288.6	2911	2291.2	1741.1	-288.2	2912	4925	4564.8	-287.9	2913	4886.5	4564.8	-287.9
2914	2291.2	1780.3	-287.8	2915	4963.8	4564.8	-287.7	2916	2333.8	1464.7	-287.7	2917	2494.4	3828.5	-287.7
2918	4848.5	4564.8	-287.5	2919	5002.6	4564.8	-287.5	2920	2291.2	1819.2	-287.4	2921	2291.2	4281.2	-287.2
2922	5041.4	4564.8	-287.2	2923	2243.7	1124.4	-287.2	2924	3211.5	4564.8	-287.1	2925	2291.2	1858	-287
2926	5080.1	4564.8	-286.9	2927	2694.5	4564.8	-286.7	2928	5118.7	4564.8	-286.7	2929	3861.2	4926	-286.7
2930	3890.7	4926	-286.7	2931	3920.2	4926	-286.7	2932	4390.3	4926	-286.7	2933	2453.5	3828.5	-286.6
2934	2291.2	1896.7	-286.6	2935	4811.5	4564.8	-286.6	2936	5157.2	4564.8	-286.6	2937	5195.8	4564.8	-286.5
2938	5234.6	4564.8	-286.2	2939	2291.2	1935.3	-286.2	2940	2796.1	3201	-286	2941	2834.2	3201	-286
2942	2714.4	1204.6	-285.9	2943	2757.9	3201	-285.9	2944	2291.2	1974	-285.8	2945	2872	3201	-285.8
2946	2751.5	1204.6	-285.8	2947	2676.4	1204.6	-285.7	2948	2412.8	3828.5	-285.6	2949	2719.9	3201	-285.6
2950	5273.4	4564.8	-285.5	2951	2909	3201	-285.5	2952	2291.2	2012.7	-285.5	2953	2788.1	1204.6	-285.4
2954	4775.1	4564.8	-285.3	2955	2935.1	3828.5	-285.2	2956	2682.2	3201	-285.2	2957	2943.5	3201	-285.2
2958	2243.7	1084.2	-285.2	2959	2291.2	2051.7	-285.1	2960	2974.3	3201	-285	2961	2823.7	1204.6	-285
2962	3004.7	3201	-285	2963	3861.2	4885.8	-285	2964	2644.9	3201	-284.8	2965	2291.2	2091	-284.7
2966	2372.1	3828.5	-284.6	2967	2737.2	4564.8	-284.6	2968	2291.2	4239.7	-284.5	2969	2823.7	1174.8	-284.3
2970	2291.2	2130.4	-284.3	2971	2608.2	3201	-284.3	2972	2637.9	1204.6	-284.3	2973	2376.4	1464.7	-284.1
2974	2291.2	2170	-283.9	2975	4739.4	4564.8	-283.6	2976	2331.6	3828.5	-283.5	2977	2572	3201	-283.5
2978	2291.2	2209.7	-283.5	2979	3861.2	4845.7	-283.5	2980	2823.7	1142.4	-283.2	2981	2243.7	1044.1	-283.2
2982	2291.2	2249.4	-283.1	2983	5312.5	4564.8	-282.8	2984	2291.2	2289.4	-282.7	2985	2779.6	4564.8	-282.6
2986	2251.2	3771	-282.5	2987	2251.2	3799.7	-282.5	2988	2251.2	3828.5	-282.5	2989	2291.2	3828.5	-282.5
2990	2206.2	3861	-282.5	2991	2536.8	3201	-282.5	2992	2452.9	1204.6	-282.4	2993	2291.2	2329.6	-282.3
2994	3861.2	4805.6	-282	2995	4434.3	4926	-282	2996	2291.2	2370.1	-281.9	2997	4704.4	4564.8	-281.8
2998	2601	1204.6	-281.6	2999	2291.2	2410.9	-281.4	3000	2243.7	1004	-281.3	3001	2502.3	3201	-281.2
3002	2291.2	2451.8	-281	3003	2823.7	1108.8	-280.9	3004	2821.7	4564.8	-280.7	3005	2291.2	3866.7	-280.6
3006	2291.2	2492.8	-280.6	3007	3861.2	4765.5	-280.6	3008	2419	1464.7	-280.5	3009	2291.2	2533.8	-280.2
3010	2988.7	4247.6	-280	3011	3002.9	4247.6	-280	3012	2988.7	4280.8	-280	3013	2988.7	4313.9	-280
3014	2988.8	4363.9	-280	3015	2988.8	4413.9	-280	3016	3071	4564.8	-280	3017	3171	4564.8	-280
3018	4670.2	4564.8	-280	3019	3044	4247.7	-279.9	3020	2291.2	4197.7	-279.9	3021	2468.6	3201	-279.9
3022	3003	4205.5	-279.8	3023	2291.2	2574.8	-279.8	3024	3085.1	4247.8	-279.5	3025	2291.2	2615.7	-279.4
3026	2243.7	963.8	-279.3	3027	2969.3	3828.5	-279.3	3028	3003.1	4163.4	-279.3	3029	3861.2	4725.3	-279.2
3030	2291.2	2656.6	-279	3031	3126.1	4247.8	-278.9	3032	2863.6	4564.8	-278.8	3033	2823.7	1072.7	-278.8
3034	3003.2	4121.2	-278.6	3035	2291.2	2697.4	-278.6	3036	2988.8	4450.4	-278.5	3037	2567.3	1204.6	-278.5
3038	2435.4	3201	-278.5	3039	3167.2	4247.9	-278.3	3040	4636.8	4564.8	-278.3	3041	2291.2	2738.2	-278.2

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
3042	3003.2	4079.1	-277.9	3043	2291.2	2779	-277.7	3044	3861.2	4685.2	-277.7	3045	3208.1	4248	-277.7
3046	2291.2	3903.7	-277.7	3047	4477.9	4926	-277.7	3048	2243.7	923.7	-277.4	3049	2291.2	2819.9	-277.3
3050	2823.7	1036.1	-277.2	3051	2403.1	3201	-277.1	3052	3003.3	4037.1	-277.1	3053	3248.8	4248	-277.1
3054	2905.4	4564.8	-277	3055	2461.6	1464.7	-277	3056	2291.2	2861.1	-276.9	3057	2988.8	4488.2	-276.9
3058	4604.6	4564.8	-276.8	3059	5344.4	4564.8	-276.6	3060	2291.2	2902.6	-276.5	3061	3289.1	4248.1	-276.5
3062	3003.4	3995.2	-276.4	3063	3861.2	4645.1	-276.3	3064	2420.5	4564.8	-276.3	3065	2291.2	2944.7	-276.1
3066	2372.4	3201	-276.1	3067	2823.7	999.6	-275.9	3068	3329	4248.2	-275.9	3069	2535	1204.6	-275.9
3070	3003.4	3953.4	-275.7	3071	2291.2	2987.1	-275.7	3072	4574.3	4564.8	-275.5	3073	2243.7	883.6	-275.4
3074	5445.4	4564.8	-275.4	3075	5410.5	4564.8	-275.3	3076	3368.5	4248.2	-275.3	3077	2947.1	4564.8	-275.3
3078	2291.2	3029.7	-275.2	3079	2988.8	4526.5	-275.2	3080	5376.6	4564.8	-275.1	3081	2823.7	964.6	-275.1
3082	2343.5	3201	-275.1	3083	3003.5	3911.7	-275	3084	3861.2	4604.9	-274.9	3085	2291.2	3072.5	-274.8
3086	3407.8	4248.3	-274.7	3087	2823.7	930.6	-274.5	3088	5479.8	4564.8	-274.4	3089	4546.5	4564.8	-274.4
3090	2291.2	3115.3	-274.4	3091	2316.8	3201	-274.3	3092	3003.6	3870.1	-274.2	3093	3447	4248.4	-274.1
3094	2823.7	898.7	-274	3095	2291.2	3158.1	-273.9	3096	2823.7	869.8	-273.7	3097	2243.7	843.5	-273.5
3098	2279.7	843.5	-273.5	3099	2316.4	843.5	-273.5	3100	2353.9	843.5	-273.5	3101	2392.1	843.5	-273.5
3102	2430.7	843.5	-273.5	3103	2469.6	843.5	-273.5	3104	2508.9	843.5	-273.5	3105	2548.6	843.5	-273.5
3106	2588.6	843.5	-273.5	3107	2628.6	843.5	-273.5	3108	2668.4	843.5	-273.5	3109	2707.9	843.5	-273.5
3110	2746.8	843.5	-273.5	3111	2785.4	843.5	-273.5	3112	2823.7	843.5	-273.5	3113	2504.6	1204.6	-273.5
3114	2507.5	1241.8	-273.5	3115	2506.9	1278.9	-273.5	3116	2506.4	1316.1	-273.5	3117	2505.8	1353.2	-273.5
3118	2505.3	1390.4	-273.5	3119	2504.7	1427.5	-273.5	3120	2504.1	1464.7	-273.5	3121	2251.2	3201	-273.5
3122	2291.2	3201	-273.5	3123	3003.7	3828.5	-273.5	3124	3486.2	4248.4	-273.5	3125	3486.2	4288	-273.5
3126	3486.2	4327.5	-273.5	3127	3486.1	4367.1	-273.5	3128	3486.1	4406.6	-273.5	3129	3486.1	4446.2	-273.5
3130	3486.1	4485.7	-273.5	3131	3486.1	4525.3	-273.5	3132	2988.8	4564.8	-273.5	3133	3486.1	4564.8	-273.5
3134	3524.4	4564.8	-273.5	3135	3562.5	4564.8	-273.5	3136	3600.3	4564.8	-273.5	3137	3637.9	4564.8	-273.5
3138	3675.2	4564.8	-273.5	3139	3712.4	4564.8	-273.5	3140	3749.6	4564.8	-273.5	3141	3786.8	4564.8	-273.5
3142	3824	4564.8	-273.5	3143	3861.2	4564.8	-273.5	3144	3899.4	4564.8	-273.5	3145	3937.5	4564.8	-273.5
3146	3975.7	4564.8	-273.5	3147	4013.9	4564.8	-273.5	3148	4052	4564.8	-273.5	3149	4090.3	4564.8	-273.5
3150	4128.5	4564.8	-273.5	3151	4166.9	4564.8	-273.5	3152	4205.4	4564.8	-273.5	3153	4244	4564.8	-273.5
3154	4282.7	4564.8	-273.5	3155	4321.5	4564.8	-273.5	3156	4360.4	4564.8	-273.5	3157	4399.8	4564.8	-273.5
3158	4439.7	4564.8	-273.5	3159	4480.3	4564.8	-273.5	3160	4521.4	4564.8	-273.5	3161	4521.4	4604.9	-273.5
3162	4521.4	4645.1	-273.5	3163	4521.4	4685.2	-273.5	3164	4521.4	4725.3	-273.5	3165	4521.4	4765.5	-273.5
3166	4521.4	4805.6	-273.5	3167	4521.4	4845.7	-273.5	3168	4521.4	4885.8	-273.5	3169	4521.4	4926	-273.5
3170	2291.2	3939.1	-273.3	3171	2291.2	4155.1	-273.3	3172	5513.1	4564.8	-273.3	3173	3004.1	3565	-272.8
3174	2251.2	3234.1	-272.5	3175	3447.6	4564.8	-272.4	3176	5544.1	4564.8	-272.2	3177	3004.2	3524.2	-272.1
3178	3003.7	3796.7	-272	3179	2251.2	3267.6	-271.4	3180	2380.1	4564.8	-271.3	3181	5573.3	4564.8	-271.3
3182	3409	4564.8	-271	3183	5598.7	4564.8	-270.5	3184	2251.2	3302.6	-270.2	3185	3003.8	3762.9	-269.9
3186	3370.2	4564.8	-269	3187	2251.2	3338.6	-269	3188	3004	3604.7	-268.4	3189	3003.8	3727.1	-268
3190	2251.2	3375.6	-267.6	3191	3004	3646.2	-267.1	3192	3003.9	3687.1	-266.9	3193	2339.8	4564.8	-266.6
3194	2251.2	3413.6	-266.1	3195	3331.1	4564.8	-266	3196	3004.2	3483.7	-265.8	3197	2251.2	3451.2	-264.3
3198	2520.5	4564.8	-263.3	3199	3004.3	3441.7	-263.1	3200	3016.7	4564.8	-262.9	3201	2299.8	4564.8	-262.3
3202	2251.2	3489.7	-262	3203	3291.6	4564.8	-261.7	3204	2771.1	3828.5	-261.7	3205	3004.4	3400.3	-260.8
3206	2698.3	4255.9	-260.1	3207	2698.2	4301.8	-260	3208	2698.1	4346.8	-260	3209	2698	4391.8	-260
3210	2564.5	4564.8	-259.7	3211	2697.9	4424.4	-259.6	3212	2698.4	4211.6	-259.6	3213	2251.2	3528.9	-259.2
3214	2698.5	4168	-258.9	3215	2697.9	4460	-258.7	3216	3004.4	3359.4	-258.4	3217	2698.6	4124.9	-258.3
3218	2259.9	4564.8	-258.1	3219	2735.2	3828.5	-258	3220	2698.7	4082.1	-257.6	3221	2697.8	4496.9	-257.6
3222	2251.2	3605	-257.3	3223	2698.7	4039.6	-257	3224	2251.2	3568	-256.8	3225	2251.2	3640.4	-256.6
3226	2697.7	4534.5	-256.4	3227	2698.8	3997.2	-256.4	3228	2608.3	4564.8	-256.3	3229	3251.8	4564.8	-256
3230	2698.9	3955	-255.8	3231	2243.7	1204.6	-255.7	3232	2281	1204.6	-255.7	3233	2401	1204.6	-255.7
3234	2243.7	1246	-255.7	3235	2243.7	1426	-255.7	3236	2243.7	1464.7	-255.7	3237	2291.2	1464.7	-255.7
3238	2251.2	3671	-255.7	3239	2901.1	3828.5	-255.7	3240	3004.5	3318.9	-255.5	3241	2697.6	4572.6	-255.3
3242	2699	3912.8	-255.3	3243	4164.5	4926	-255.1	3244	4127.6	4926	-255.1	3245	4201.5	4926	-255
3246	2699.1	3870.6	-254.7	3247	4091	4926	-254.6	3248	2291.2	1504.2	-254.6	3249	4238.3	4926	-254.4
3250	2699.2	3828.5	-254.2	3251	2220.2	4564.8	-254.2	3252	2697.5	4610.9	-254.2	3253	2291.2	4611	-254.2
3254	2291.2	1543.7	-253.9	3255	2291.2	4568.9	-253.7	3256	2651.7	4564.8	-253.4	3257	4054.8	4926	-253.4
3258	2291.2	1583.3	-253.4	3259	2658.2	3828.5	-253.2	3260	2291.2	4527.2	-253.2	3261	4274.9	4926	-253.2
3262	2243.7	1164.5	-253.1	3263	2291.2	1622.8	-252.9	3264	3004.6	3278.4	-252.7	3265	2291.2	4485.9	-252.7
3266	2291.2	1662.3	-252.6	3267	2617.3	3828.5	-252.3	3268	2291.2	4444.9	-252.2	3269	2291.2	1701.8	-252.2
3270	3044.1	4564.8	-251.8	3271	2291.2	1741.1	-251.8	3272	2291.2	4404	-251.7	3273	2333.8	1464.7	-251.6
3274	4887.3	4564.8	-251.4	3275	2576.3	3828.5	-251.4	3276	4925.7	4564.8	-251.4	3277	2291.2	1780.3	-251.4
3278	2291.2	4363.2	-251.2	3279	4964.3	4564.8	-251.2	3280	4849.5	4564.8	-251.1	3281	2291.2	1819.2	-251
3282	5003	4564.8	-250.9	3283	2243.7	1124.4	-250.9	3284	2694.7	4564.8	-250.9	3285	5041.6	4564.8	-250.7
3286	2291.2	1858	-250.6	3287	2535.4	3828.5	-250.5	3288	2291.2	4322.4	-250.5	3289	4812.6	4564.8	-250.3
3290	5080.1	4564.8	-250.3	3291	2291.2	1896.7	-250.3	3292	5118.4	4564.8	-250.2	3293	2795.1	3201	-250.1
3294	2756.9	3201	-250	3295	3861.2	4926	-250	3296	3890.7	4926	-250	3297	3920.2	4926	-250
3298	3970.2	4926	-250	3299	4020.2	4926	-250	3300	4310.3	4926	-250	3301	4350.3	4926	-250
3302	4390.3	4926	-250	3303	5156.7	4564.8	-250	3304	2291.2	1935.3	-249.9	3305	2832.9	3201	-249.9
3306	5194.9	4564.8	-249.8	3307	2719	3201	-249.6	3308	2494.5	3828.5	-249.6	3309	5232.9	4564.8	-249.6
3310	2291.2	1974	-249.5	3311	2291.2	4281.3	-249.3	3312	4776.4	4564.8	-249.2	3313	2291.2	2012.7	-249.1
3314	2934.8	3828.5	-249.1	3315	2681.5	3201	-249.1	3316	2870.4	3201	-249.1	3317	5270.6	4564.8	-249
3318	3004.6	3239	-249	3319	2243.7	1084.2	-248.9	3320	2291.2	2051.7	-248.8	3321	2453.6	3828.5	-248.7
3322	2737.3	4564.8	-248.6	3323	3211.5	4564.8	-248.6	3324	2644.5	3201	-248.6	3325	2291.2	2091	-248.4
3326	3861.2	4885.8	-248.1	3327	2291.2	2130.4	-248	3328	2608.1	3201	-248	3329	2376.4	1464.7	-247.9
3330	4740.8	4564.8	-247.8	3331	2907.1	3201	-247.8	3332	2412.9	3828.5	-247.8	3333	2291.2	2170	-247.6
3334	2291.2	2209.7	-247.2	3335	5307.7	4564.8	-247.2	3336	2572.1	3201	-247.2	3337	2243.7	1044.1	-247
3338	2291.2	4239.9	-246.9	3339	2372.2	3828.5	-246.9	3340	2291.2	2249.4	-246.8	3341	3861.2	4845.7	-246.6
3342	2779.7	4564.8	-246.6	3343	2291.2	2289.4	-246.4	3344	2452.8	1204.6	-246.4	3345	4705.7	4564.8	-246.3
3346	2537.2	3201	-246.2	3347	2941.4	3201	-246.2	3348	2291.2	2329.6	-246.1	3349	2331.7	3828.5	-245.9
3350	2291.2	2370.1	-245.7	3351	2973.7	3201	-245.5	3352	2291.2	2410.9	-245.3	3353	3861.2	4805.6	-245.2
3354	2752.8	1204.6	-245.2	3355	2715.2	1204.6	-245.2	3356	2789.2	1204.6	-245.1	3357	4434.8	4926	-245.1
3358	2243.7	1004	-245.1	3359	2503	3201	-245.1	3360	2823.7	1204.6	-245	3361	3004.7	3201	-245
3362	2251.2	3771	-245	3363	2251.2	3799.7	-245	3364	2251.2	3828.5	-245	3365	2291.2	3828.5	-245
3366	2206.2	3861	-245	3367	2291.2	2451.8	-244.9	3368	5342.4	4564.8	-244.9	3369	2823.7	1176.5	-244.8
3370	2677.3	1204.6	-244.7	3371	2821.8	4564.8	-244.7	3372	4671.1	4564.8	-244.7	3373	2823.7	1144	-244.5
3374	2291.2	2492.8	-244.5	3375	2419	1464.7	-244.4	3376	2291.2	2533.8	-244.1	3377	3861.2	4765.5	-244
3378	2639.3	1204.6	-243.8	3379	2469.4	3201	-243.7	3380	2291.2	2574.8	-243.7	3381	2823.7	1110	-243.7
3382	2291.2	3867.2	-243.4	3383	2291.2	2615.8	-243.3	3384	2243.7	963.8	-243.2	3385	2969.1	3828.5	-243.2
3386	5376.6	4564.8	-243.2	3387	2988.7	4247.6	-243.1	3388	3002.9	4247.6	-243.1	3389	2988.7	4284	-243
3390	4637	4564.8	-243	3391	2988.7	4321.9	-242.9	3392	2291.2	2656.6	-242.9	3393	2863.7	4564.8	-242.9
3394	3044.1	4247.7	-242.9	3395	2823.7	1073.7	-242.8	3396	3003	4205.4	-242.8	3397	2988.8	4365	-242.7
3398	3861.2	4725.3	-242.7	3399	2291.2	4197.9	-242.6	3400	5411	4564.8	-242.5	3401	2291.2	2697.4	-242.5
3402	3085.3	4247.8	-242.4	3403	2436.2	3201	-242.4	3404	2602.8	1204.6	-242.3	3405	2988.8	4408.5	-242.3
3406	3003.1	4163.3	-242.3	3407	2291.2	2738.2	-242.1	3408	2823.7	1037	-242	3409	3126.5	4247.8	-242
3410	3003.2	4121.1	-241.7	3411	2291.2	2779	-241.7	3412	5445.5	4564.8	-241.6	3413	3167.6	4247.9	-241.5
3414	4605.2	4564.8	-241.4	3415	3861.2	4685.2	-241.4	3416	2988.8	4448.3	-241.4	3417	2404	3201	-241.3
3418	2243.7	923.7	-241.3	3419	2291.2	2819.9	-241.3	3420	4478.3	4926	-241.2	3421	3003.2	4079	-241.1
3422	2823.7	1000.4	-241.1	3423	2905.4	4564.8	-241.1	3424	3208.6	4248	-241	3425	2461.6	1464.7	-241
3426	2291.2	2861.1	-240.9	3427	2568.5	1204.6	-240.7	3428	3003.3	4037	-240.5	3429	2291.2	3904.6	-240.5
3430	3249.4	4248	-240.5	3431	2291.2	2902.7	-240.5	3432	2823.7	965.2	-240.4	3433	5479.6	4564.8	-240.3

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
3434	2372.6	3201	-240.2	3435	2988.8	4487.3	-240.2	3436	3861.2	4645.1	-240.1	3437	2291.2	2944.7	-240.1
3438	3071	4564.8	-240	3439	3171	4564.8	-240	3440	3289.7	4248.1	-240	3441	3003.4	3995.1	-239.9
3442	4574.6	4564.8	-239.9	3443	2823.7	931.5	-239.7	3444	2291.2	2987.1	-239.7	3445	3329.6	4248.2	-239.5
3446	2243.7	883.6	-239.4	3447	3003.4	3953.3	-239.3	3448	2947.1	4564.8	-239.3	3449	2291.2	3029.7	-239.2
3450	2343.4	3201	-239.2	3451	2535.9	1204.6	-239.1	3452	3369	4248.2	-239	3453	2988.8	4526.1	-238.9
3454	2823.7	899.2	-238.9	3455	3861.2	4604.9	-238.8	3456	2291.2	3072.5	-238.8	3457	3003.5	3911.6	-238.7
3458	5512.6	4564.8	-238.7	3459	4546.7	4564.8	-238.6	3460	3408.2	4248.3	-238.5	3461	2291.2	3115.3	-238.4
3462	2316.7	3201	-238.3	3463	3003.6	3870	-238.2	3464	2823.7	869.9	-238.1	3465	3447.2	4248.4	-238.1
3466	2291.2	3158.1	-238	3467	2243.7	843.5	-237.6	3468	2279.4	843.5	-237.6	3469	2315.7	843.5	-237.6
3470	2353.1	843.5	-237.6	3471	2391.2	843.5	-237.6	3472	2429.8	843.5	-237.6	3473	2468.8	843.5	-237.6
3474	2508.2	843.5	-237.6	3475	2548	843.5	-237.6	3476	2588.1	843.5	-237.6	3477	2628.3	843.5	-237.6
3478	2668.3	843.5	-237.6	3479	2707.9	843.5	-237.6	3480	2746.9	843.5	-237.6	3481	2785.4	843.5	-237.6
3482	2823.7	843.5	-237.6	3483	2504.1	1204.6	-237.6	3484	2507.5	1241.8	-237.6	3485	2506.9	1278.9	-237.6
3486	2506.4	1316.1	-237.6	3487	2505.8	1353.2	-237.6	3488	2505.3	1390.4	-237.6	3489	2504.7	1427.5	-237.6
3490	2504.1	1464.7	-237.6	3491	2251.2	3201	-237.6	3492	2291.2	3201	-237.6	3493	3003.7	3828.5	-237.6
3494	3486.2	4248.4	-237.6	3495	3486.2	4288	-237.6	3496	3486.2	4327.5	-237.6	3497	3486.1	4367.1	-237.6
3498	3486.1	4406.6	-237.6	3499	3486.1	4446.2	-237.6	3500	3486.1	4485.7	-237.6	3501	3486.1	4525.3	-237.6
3502	2988.8	4564.8	-237.6	3503	3486.1	4564.8	-237.6	3504	3524.5	4564.8	-237.6	3505	3562.7	4564.8	-237.6
3506	3600.6	4564.8	-237.6	3507	3638.1	4564.8	-237.6	3508	3675.4	4564.8	-237.6	3509	3712.6	4564.8	-237.6
3510	3749.8	4564.8	-237.6	3511	3786.9	4564.8	-237.6	3512	3824.1	4564.8	-237.6	3513	3861.2	4564.8	-237.6
3514	3899.3	4564.8	-237.6	3515	3937.3	4564.8	-237.6	3516	3975.4	4564.8	-237.6	3517	4013.5	4564.8	-237.6
3518	4051.6	4564.8	-237.6	3519	4089.7	4564.8	-237.6	3520	4127.9	4564.8	-237.6	3521	4166.2	4564.8	-237.6
3522	4204.6	4564.8	-237.6	3523	4243.2	4564.8	-237.6	3524	4281.9	4564.8	-237.6	3525	4320.6	4564.8	-237.6
3526	4359.6	4564.8	-237.6	3527	4399	4564.8	-237.6	3528	4439.2	4564.8	-237.6	3529	4480	4564.8	-237.6
3530	4521.4	4564.8	-237.6	3531	4521.4	4604.9	-237.6	3532	4521.4	4645.1	-237.6	3533	4521.4	4685.2	-237.6
3534	4521.4	4725.3	-237.6	3535	4521.4	4765.5	-237.6	3536	4521.4	4805.6	-237.6	3537	4521.4	4845.7	-237.6
3538	4521.4	4885.8	-237.6	3539	4521.4	4926	-237.6	3540	2420.5	4564.8	-237.5	3541	5544	4564.8	-237
3542	3447.6	4564.8	-236.5	3543	2251.2	3233.7	-236.1	3544	5573.2	4564.8	-235.4	3545	3409.1	4564.8	-235.2
3546	2291.2	3939.1	-235	3547	2291.2	3982.3	-235	3548	2291.2	4025.5	-235	3549	2291.2	4068.7	-235
3550	2291.2	4111.9	-235	3551	2291.2	4155.1	-235	3552	3003.7	3798.5	-234.9	3553	2251.2	3267.1	-234.5
3554	5598.7	4564.8	-234.1	3555	3004.1	3563.1	-233.6	3556	3370.3	4564.8	-233.1	3557	2251.2	3302.1	-232.9
3558	3004.2	3526.6	-232.8	3559	2379.9	4564.8	-232.3	3560	2251.2	3338.3	-231.2	3561	3003.8	3766.2	-231
3562	3331.3	4564.8	-230.1	3563	2251.2	3375.7	-229.4	3564	2520.5	4564.8	-228.9	3565	2251.2	3413.8	-227.6
3566	2339.5	4564.8	-227.5	3567	3017.2	4564.8	-226.4	3568	3003.8	3730.7	-225.8	3569	3291.8	4564.8	-225.7
3570	2251.2	3451.9	-225.5	3571	3003.9	3690.1	-224.3	3572	2564.8	4564.8	-224.3	3573	3004	3647.7	-223.8
3574	2299.5	4564.8	-223.2	3575	2251.2	3490	-223	3576	3004	3602	-222.2	3577	2608.7	4564.8	-220.3
3578	3004.3	3442.6	-220.3	3579	2243.7	1204.6	-220	3580	2281	1204.6	-220	3581	2321	1204.6	-220
3582	2361	1204.6	-220	3583	2401	1204.6	-220	3584	2243.7	1246	-220	3585	2243.7	1291	-220
3586	2243.7	1336	-220	3587	2243.7	1381	-220	3588	2243.7	1426	-220	3589	2243.7	1464.7	-220
3590	2291.2	1464.7	-220	3591	2771.1	3828.5	-220	3592	2814.4	3828.5	-220	3593	2857.7	3828.5	-220
3594	2901.1	3828.5	-220	3595	2698.2	4297	-219.9	3596	2698.1	4340.1	-219.9	3597	2698.3	4253.2	-219.8
3598	2698	4381.9	-219.7	3599	3004.2	3487.6	-219.6	3600	2698.4	4209.7	-219.5	3601	3252	4564.8	-219.5
3602	2697.9	4419.6	-219.4	3603	2259.7	4564.8	-219.2	3604	2698.5	4166.6	-219.1	3605	2251.2	3528.2	-219
3606	2697.9	4457.1	-218.8	3607	3004.4	3401	-218.7	3608	2698.6	4123.8	-218.6	3609	2698.7	4081.2	-218.2
3610	2697.8	4495	-218	3611	2735.5	3828.5	-217.9	3612	2291.2	1504.2	-217.8	3613	2698.7	4038.9	-217.7
3614	2698.8	3996.7	-217.2	3615	2697.7	4533.3	-217.2	3616	2652	4564.8	-217.1	3617	2291.2	1543.7	-216.8
3618	2698.9	3954.5	-216.8	3619	3004.4	3360.1	-216.8	3620	2251.2	3606.8	-216.6	3621	2243.7	1164.5	-216.4
3622	2699	3912.5	-216.3	3623	2697.6	4572	-216.3	3624	2291.2	1583.3	-216.2	3625	2699.1	3870.5	-215.9
3626	2251.2	3640.2	-215.8	3627	2291.2	1622.8	-215.8	3628	2291.2	1662.3	-215.5	3629	2699.2	3828.5	-215.5
3630	2220.2	4564.8	-215.5	3631	2697.5	4610.9	-215.5	3632	2291.2	4611	-215.5	3633	4888	4564.8	-215.2
3634	4926.3	4564.8	-215.2	3635	4164.3	4926	-215.1	3636	2291.2	1701.8	-215.1	3637	4127	4926	-215.1
3638	4850.3	4564.8	-215.1	3639	2291.2	4568.8	-215	3640	2333.8	1464.7	-215	3641	4964.9	4564.8	-215
3642	4201.7	4926	-214.9	3643	2291.2	1741.1	-214.8	3644	4089.8	4926	-214.7	3645	5003.4	4564.8	-214.7
3646	2658.3	3828.5	-214.7	3647	2794.3	3201	-214.7	3648	2291.2	4527	-214.6	3649	2756.1	3201	-214.5
3650	4813.5	4564.8	-214.5	3651	5041.8	4564.8	-214.5	3652	2291.2	1780.3	-214.4	3653	2695	4564.8	-214.4
3654	4239.2	4926	-214.4	3655	3004.5	3319.4	-214.4	3656	2832.1	3201	-214.2	3657	2291.2	4485.7	-214.2
3658	3044.8	4564.8	-214.2	3659	2291.2	1819.2	-214.1	3660	2243.7	1124.4	-214	3661	5080.1	4564.8	-214
3662	2718.2	3201	-214	3663	2617.3	3828.5	-213.9	3664	4052.4	4926	-213.9	3665	5118.2	4564.8	-213.8
3666	2291.2	4444.7	-213.8	3667	2291.2	1858	-213.7	3668	4777.2	4564.8	-213.6	3669	5156.1	4564.8	-213.6
3670	5194	4564.8	-213.5	3671	4276.7	4926	-213.4	3672	2291.2	4403.9	-213.4	3673	2291.2	1896.7	-213.4
3674	5231.7	4564.8	-213.3	3675	2680.8	3201	-213.3	3676	2576.4	3828.5	-213.1	3677	2291.2	1935.3	-213
3678	2291.2	4363.1	-213	3679	2869.4	3201	-212.9	3680	5268.9	4564.8	-212.9	3681	2251.2	3671	-212.9
3682	2291.2	1974	-212.7	3683	2644.1	3201	-212.6	3684	4014.2	4926	-212.6	3685	4741.5	4564.8	-212.5
3686	2291.2	4322.3	-212.4	3687	2934.1	3828.5	-212.4	3688	2535.5	3828.5	-212.3	3689	2291.2	2012.7	-212.3
3690	3971.8	4926	-212.2	3691	2737.6	4564.8	-212.1	3692	2243.7	1084.2	-212.1	3693	3930.1	4926	-212
3694	2607.9	3201	-212	3695	3894.7	4926	-212	3696	3861.2	4926	-212	3697	2291.2	2051.7	-212
3698	5305.5	4564.8	-211.9	3699	4314.4	4926	-211.9	3700	2291.2	2091	-211.6	3701	2494.6	3828.5	-211.5
3702	2291.2	4281.4	-211.5	3703	3004.6	3278.9	-211.5	3704	2572.2	3201	-211.4	3705	2251.2	3569.3	-211.3
3706	2291.2	2130.4	-211.3	3707	2376.4	1464.7	-211.3	3708	4706.3	4564.8	-211.1	3709	4353.9	4926	-211.1
3710	3211.7	4564.8	-211	3711	5341.2	4564.8	-210.9	3712	2291.2	2170	-210.9	3713	2453.8	3828.5	-210.8
3714	3861.2	4885.8	-210.6	3715	2537.6	3201	-210.6	3716	2291.2	2209.7	-210.5	3717	2906.2	3201	-210.4
3718	2243.7	1044.1	-210.3	3719	2291.2	2249.4	-210.2	3720	2779.8	4564.8	-210.2	3721	5376.3	4564.8	-210.1
3722	2413	3828.5	-210	3723	2291.2	4240.2	-209.9	3724	4394.4	4926	-209.9	3725	2453.2	1204.6	-209.9
3726	2291.2	2289.4	-209.8	3727	2503.7	3201	-209.6	3728	4671.6	4564.8	-209.5	3729	2291.2	2329.6	-209.5
3730	3861.2	4845.7	-209.4	3731	2372.3	3828.5	-209.2	3732	2291.2	2370.1	-209.1	3733	5411.1	4564.8	-208.9
3734	2291.2	2410.9	-208.7	3735	2243.7	1004	-208.6	3736	2291.2	2451.8	-208.4	3737	2331.7	3828.5	-208.4
3738	2821.8	4564.8	-208.3	3739	3861.2	4805.6	-208.3	3740	3004.6	3239.2	-208.3	3741	2470.1	3201	-208.2
3742	2291.2	2492.8	-208	3743	2419	1464.7	-207.9	3744	4637.6	4564.8	-207.8	3745	5445.9	4564.8	-207.8
3746	2291.2	2533.8	-207.6	3747	2251.2	3771	-207.5	3748	2251.2	3799.7	-207.5	3749	2251.2	3828.5	-207.5
3750	2291.2	3828.5	-207.5	3751	2206.2	3861	-207.5	3752	2823.7	1074.5	-207.4	3753	2291.2	4198.5	-207.4
3754	2823.7	1110.2	-207.3	3755	4436.5	4926	-207.3	3756	2291.2	2574.8	-207.3	3757	2823.7	1038.1	-207.2
3758	3861.2	4765.5	-207.2	3759	2437.2	3201	-207.1	3760	2291.2	2615.8	-206.9	3761	2823.7	1144.4	-206.8
3762	2243.7	963.8	-206.8	3763	2968.6	3828.5	-206.7	3764	2291.2	3868.2	-206.7	3765	2823.7	1001.6	-206.6
3766	2863.7	4564.8	-206.6	3767	2291.2	2656.6	-206.5	3768	2940	3201	-206.5	3769	2988.7	4247.6	-206.3
3770	3002.9	4247.6	-206.3	3771	3004.1	3558.8	-206.2	3772	2291.2	2697.4	-206.2	3773	2988.7	4285.8	-206.1
3774	3861.2	4725.3	-206.1	3775	2823.7	966.5	-206.1	3776	4605.1	4564.8	-206.1	3777	5479.9	4564.8	-206
3778	2823.7	1176.4	-206	3779	3044.2	4247.7	-206	3780	2988.7	4324.9	-205.9	3781	3003	4205.4	-205.9
3782	2404.7	3201	-205.9	3783	2291.2	2738.2	-205.8	3784	2973	3201	-205.6	3785	2988.8	4365.7	-205.6
3786	3085.5	4247.8	-205.6	3787	3003.1	4163.2	-205.4	3788	2291.2	2779	-205.4	3789	3004.2	3531.5	-205.4
3790	3126.8	4247.8	-205.2	3791	2291.2	3907.3	-205.2	3792	2988.8	4406.9	-205.2	3793	2823.7	932.1	-205.1
3794	2243.7	923.7	-205.1	3795	2753.2	1204.6	-205.1	3796	2291.2	2820	-205.1	3797	2715.7	1204.6	-205
3798	2823.7	1204.6	-205	3799	3004.7	3201	-205	3800	3003.2	4121	-205	3801	3861.2	4685.2	-205
3802	2905.5	4564.8	-204.9	3803	2677.9	1204.6	-204.9	3804	2790.1	1204.6	-204.9	3805	3168.1	4247.9	-204.8
3806	2461.6	1464.7	-204.8	3807	2291.2	2861.1	-204.7	3808	2372.7	3201	-204.5	3809	3003.2	4078.9	-204.5
3810	2988.8	4447	-204.5	3811	4478.9	4926	-204.5	3812	4575	4564.8	-204.4	3813	3209.2	4248	-204.4
3814	2291.2	2902.7	-204.3	3815	2640.4	1204.6	-204.3	3816	2291.2	4156.5	-204.1	3817	3003.3	4036.8	-204
3818	3250	4248	-204	3819	2291.2	2944.7	-203.9	3820	2823.7	899.8	-203.9	3821	3861.2	4645.1	-203.8
3822	5513	4564.8	-203.8	3823	2604	1204.6	-203.7	3824	2988.8	4486.5	-203.6	3825	3290.3	4248.1	-203.6

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
3826	2291.2	2987.1	-203.6	3827	3003.4	3994.9	-203.5	3828	2343.4	3201	-203.4	3829	2243.7	883.6	-203.4
3830	2947.2	4564.8	-203.3	3831	3330.1	4248.2	-203.2	3832	2291.2	3029.7	-203.2	3833	2291.2	3946.1	-203.1
3834	2569.5	1204.6	-203.1	3835	3003.4	3953.2	-203.1	3836	3004.1	3581.3	-203	3837	2291.2	4114.1	-203
3838	4547.2	4564.8	-202.9	3839	3369.4	4248.2	-202.8	3840	2291.2	3072.5	-202.8	3841	3861.2	4604.9	-202.7
3842	2823.7	870.6	-202.7	3843	2988.8	4525.7	-202.6	3844	2291.2	4071.7	-202.6	3845	3003.5	3911.5	-202.6
3846	2317.1	3201	-202.5	3847	2291.2	3987.4	-202.5	3848	2291.2	4029.4	-202.5	3849	3408.5	4248.3	-202.4
3850	2291.2	3115.3	-202.4	3851	2535.9	1204.6	-202.3	3852	3003.6	3870	-202.1	3853	3447.4	4248.4	-202
3854	2291.2	3158.1	-202	3855	5543.9	4564.8	-201.7	3856	2243.7	843.5	-201.6	3857	2279	843.5	-201.6
3858	2315.1	843.5	-201.6	3859	2352.2	843.5	-201.6	3860	2390.3	843.5	-201.6	3861	2428.8	843.5	-201.6
3862	2467.9	843.5	-201.6	3863	2507.4	843.5	-201.6	3864	2547.4	843.5	-201.6	3865	2587.7	843.5	-201.6
3866	2628.1	843.5	-201.6	3867	2668.2	843.5	-201.6	3868	2707.9	843.5	-201.6	3869	2746.9	843.5	-201.6
3870	2785.5	843.5	-201.6	3871	2823.7	843.5	-201.6	3872	2503.6	1204.6	-201.6	3873	2508.1	1204.6	-201.6
3874	2507.5	1241.8	-201.6	3875	2506.9	1278.9	-201.6	3876	2506.4	1316.1	-201.6	3877	2505.8	1353.2	-201.6
3878	2505.3	1390.4	-201.6	3879	2504.7	1427.5	-201.6	3880	2504.1	1464.7	-201.6	3881	2251.2	3201	-201.6
3882	2291.2	3201	-201.6	3883	3003.7	3828.5	-201.6	3884	3486.2	4248.4	-201.6	3885	3486.2	4288	-201.6
3886	3486.2	4327.5	-201.6	3887	3486.1	4367.1	-201.6	3888	3486.1	4406.6	-201.6	3889	3486.1	4446.2	-201.6
3890	3486.1	4485.7	-201.6	3891	3486.1	4525.3	-201.6	3892	2988.8	4564.8	-201.6	3893	3486.1	4564.8	-201.6
3894	3524.6	4564.8	-201.6	3895	3562.9	4564.8	-201.6	3896	3600.8	4564.8	-201.6	3897	3638.3	4564.8	-201.6
3898	3675.6	4564.8	-201.6	3899	3712.8	4564.8	-201.6	3900	3749.9	4564.8	-201.6	3901	3787	4564.8	-201.6
3902	3824.1	4564.8	-201.6	3903	3861.2	4564.8	-201.6	3904	3899.2	4564.8	-201.6	3905	3937.2	4564.8	-201.6
3906	3975.1	4564.8	-201.6	3907	4013.1	4564.8	-201.6	3908	4051.1	4564.8	-201.6	3909	4089.1	4564.8	-201.6
3910	4127.3	4564.8	-201.6	3911	4165.5	4564.8	-201.6	3912	4203.9	4564.8	-201.6	3913	4242.4	4564.8	-201.6
3914	4281.1	4564.8	-201.6	3915	4319.8	4564.8	-201.6	3916	4358.8	4564.8	-201.6	3917	4398.3	4564.8	-201.6
3918	4438.6	4564.8	-201.6	3919	4479.7	4564.8	-201.6	3920	4521.4	4564.8	-201.6	3921	4521.4	4604.9	-201.6
3922	4521.4	4645.1	-201.6	3923	4521.4	4685.2	-201.6	3924	4521.4	4725.3	-201.6	3925	4521.4	4765.5	-201.6
3926	4521.4	4805.6	-201.6	3927	4521.4	4845.7	-201.6	3928	4521.4	4885.8	-201.6	3929	4521.4	4926	-201.6
3930	3447.7	4564.8	-200.7	3931	3071	4564.8	-200	3932	3171	4564.8	-200	3933	2251.2	3233.1	-199.7
3934	3004.2	3508.6	-199.6	3935	5573.2	4564.8	-199.5	3936	3409.2	4564.8	-199.4	3937	2420.5	4564.8	-198.8
3938	3003.7	3800.6	-198.7	3939	2251.2	3266.6	-197.8	3940	5598.7	4564.8	-197.7	3941	3370.5	4564.8	-197.6
3942	2251.2	3302.1	-195.8	3943	3331.5	4564.8	-194.8	3944	2520.5	4564.8	-194.4	3945	2251.2	3339	-193.7
3946	3003.7	3771.8	-193.2	3947	2379.5	4564.8	-192.8	3948	2251.2	3377.1	-191.5	3949	3018.5	4564.8	-191
3950	3292.2	4564.8	-190.6	3951	2251.2	3415.8	-189.5	3952	2565.3	4564.8	-188.1	3953	2251.2	3453.8	-187.9
3954	2339	4564.8	-187.9	3955	2251.2	3586.6	-187.7	3956	2251.2	3490.5	-186.5	3957	3252.4	4564.8	-184.6
3958	2251.2	3524.4	-184.3	3959	2299	4564.8	-183.8	3960	2609.3	4564.8	-183.4	3961	2251.2	3611.2	-182.6
3962	3003.9	3651.1	-180.9	3963	3004	3609.9	-180.8	3964	3004.1	3557.3	-180.5	3965	3004.1	3582.6	-180.4
3966	2243.7	1204.6	-180.4	3967	2243.7	1247.4	-180.4	3968	2243.7	1291.4	-180.4	3969	2243.7	1335.6	-180.4
3970	2243.7	1379.7	-180.4	3971	2243.7	1423.2	-180.4	3972	2243.7	1464.7	-180.4	3973	2291.2	1464.7	-180.4
3974	3003.9	3693.7	-180.4	3975	2259.5	4564.8	-180.2	3976	2283.4	1204.6	-180.1	3977	2698.2	4292.9	-179.9
3978	2652.6	4564.8	-179.9	3979	2698.1	4335	-179.9	3980	2698.3	4250.3	-179.9	3981	2698	4375.9	-179.8
3982	2793.6	3201	-179.7	3983	2698.4	4207.6	-179.7	3984	2324	1204.6	-179.6	3985	2698	4415.3	-179.5
3986	3003.8	3738.3	-179.5	3987	3004.1	3532.3	-179.4	3988	2698.5	4165	-179.4	3989	4888.7	4564.8	-179.4
3990	2291.2	1504.2	-179.4	3991	2814.7	3828.5	-179.3	3992	2831.1	3201	-179.3	3993	4926.9	4564.8	-179.3
3994	4850.9	4564.8	-179.3	3995	2755.4	3201	-179.2	3996	2774.4	3828.5	-179.2	3997	2697.9	4454.1	-179.1
3998	4965.4	4564.8	-179.1	3999	2698.6	4122.5	-179.1	4000	4814	4564.8	-179.1	4001	2251.2	3555.6	-178.9
4002	2855.3	3828.5	-178.9	4003	5003.8	4564.8	-178.9	4004	2698.7	4080.3	-178.8	4005	2365.5	1204.6	-178.7
4006	2291.2	1543.7	-178.7	4007	5042	4564.8	-178.7	4008	2697.8	4492.9	-178.6	4009	3004.3	3440.4	-178.5
4010	3046.9	4564.8	-178.5	4011	2717.5	3201	-178.4	4012	2698.7	4038.1	-178.4	4013	4777.6	4564.8	-178.4
4014	3004.2	3476.9	-178.4	4015	2291.2	1583.3	-178.3	4016	2243.7	1164.5	-178.2	4017	2736.6	3828.5	-178.2
4018	2251.2	3641.6	-178.1	4019	2698.8	3996.1	-178.1	4020	5080.1	4564.8	-178	4021	2697.7	4532	-178
4022	2291.2	1622.8	-177.9	4023	5117.9	4564.8	-177.8	4024	2698.9	3954.1	-177.7	4025	2867.5	3201	-177.7
4026	2291.2	1662.3	-177.6	4027	2680.3	3201	-177.6	4028	2895.2	3828.5	-177.5	4029	5155.7	4564.8	-177.5
4030	2699	3912.2	-177.4	4031	2697.6	4571.3	-177.4	4032	4741.7	4564.8	-177.4	4033	5193.3	4564.8	-177.4
4034	2291.2	1701.8	-177.3	4035	5230.7	4564.8	-177.3	4036	2695.4	4564.8	-177.3	4037	2699.1	3870.3	-177.1
4038	5267.8	4564.8	-177.1	4039	2291.2	1741.1	-177	4040	2333.8	1464.7	-177	4041	2643.7	3201	-176.9
4042	2699.2	3828.5	-176.8	4043	2220.2	4564.8	-176.8	4044	2697.5	4610.9	-176.8	4045	2291.2	4611	-176.8
4046	2408.4	1204.6	-176.7	4047	2291.2	1780.3	-176.7	4048	5304.3	4564.8	-176.6	4049	3004.4	3401	-176.5
4050	2291.2	4568.7	-176.4	4051	2291.2	1819.2	-176.4	4052	2607.7	3201	-176.4	4053	2243.7	1124.4	-176.3
4054	4706.5	4564.8	-176.2	4055	5340.4	4564.8	-176.1	4056	2658.3	3828.5	-176.1	4057	2291.2	1858	-176.1
4058	2291.2	4526.8	-176.1	4059	2572.1	3201	-175.9	4060	2291.2	1896.7	-175.8	4061	2291.2	4485.5	-175.7
4062	5376	4564.8	-175.7	4063	4126.5	4926	-175.7	4064	4164.2	4926	-175.6	4065	2291.2	1935.3	-175.5
4066	3212	4564.8	-175.5	4067	2617.4	3828.5	-175.5	4068	4088.8	4926	-175.4	4069	4202	4926	-175.4
4070	2291.2	4444.5	-175.4	4071	2537.7	3201	-175.3	4072	2291.2	1974	-175.2	4073	2737.8	4564.8	-175.1
4074	5411.4	4564.8	-175.1	4075	2291.2	4403.7	-175.1	4076	4050.9	4926	-175	4077	4240	4926	-175
4078	2291.2	2012.7	-174.9	4079	2576.5	3828.5	-174.8	4080	2243.7	1084.2	-174.7	4081	2291.2	4363.1	-174.7
4082	4671.7	4564.8	-174.6	4083	2291.2	2051.7	-174.6	4084	2503.9	3201	-174.5	4085	4012.5	4926	-174.5
4086	3004.4	3360.7	-174.5	4087	4278.2	4926	-174.3	4088	2291.2	4322.3	-174.3	4089	2291.2	2091	-174.3
4090	2535.6	3828.5	-174.2	4091	3972.8	4926	-174.2	4092	3933.8	4926	-174	4093	2291.2	2130.4	-174
4094	3896.9	4926	-174	4095	3861.2	4926	-174	4096	2902.4	3201	-174	4097	2376.4	1464.7	-174
4098	2291.2	4281.5	-173.8	4099	2291.2	2170	-173.7	4100	2931.8	3828.5	-173.7	4101	2470.6	3201	-173.6
4102	2494.7	3828.5	-173.6	4103	5445.9	4564.8	-173.5	4104	4316.9	4926	-173.4	4105	2291.2	2209.7	-173.4
4106	2780	4564.8	-173.3	4107	2243.7	1044.1	-173.2	4108	2291.2	2249.4	-173.1	4109	3861.2	4885.8	-173
4110	2453.9	3828.5	-172.9	4111	2291.2	4240.5	-172.9	4112	4637.8	4564.8	-172.8	4113	2823.7	1039.4	-172.8
4114	2291.2	2289.4	-172.8	4115	3004.5	3320.1	-172.7	4116	4356.4	4926	-172.5	4117	2823.7	1002.8	-172.5
4118	2437.9	3201	-172.5	4119	2291.2	2329.6	-172.5	4120	2823.7	1075.9	-172.4	4121	3004.2	3507	-172.3
4122	2413.1	3828.5	-172.3	4123	2291.2	2370.1	-172.1	4124	2823.7	967.6	-172.1	4125	3861.2	4845.7	-172.1
4126	2291.2	2410.9	-171.8	4127	5479.6	4564.8	-171.7	4128	2243.7	1004	-171.7	4129	2822	4564.8	-171.6
4130	2372.4	3828.5	-171.6	4131	2291.2	4199.1	-171.6	4132	2823.7	1111.7	-171.5	4133	2291.2	2451.8	-171.5
4134	2455.4	1204.6	-171.4	4135	4396.8	4926	-171.4	4136	2291.2	2492.8	-171.2	4137	3861.2	4805.6	-171.1
4138	2419	1464.7	-171.1	4139	2251.2	3799.2	-171.1	4140	2823.7	933.4	-171	4141	2405.4	3201	-171
4142	4605.1	4564.8	-170.9	4143	2291.2	2533.8	-170.9	4144	2331.8	3828.5	-170.9	4145	2291.2	2574.8	-170.6
4146	3004.6	3279.7	-170.4	4147	2291.2	2615.8	-170.2	4148	3861.2	4765.5	-170.2	4149	2243.7	963.8	-170.2
4150	2291.2	4157.6	-170.1	4151	2863.8	4564.8	-170.1	4152	2823.7	1145.4	-170	4153	2251.2	3671	-170
4154	2251.2	3704.3	-170	4155	2251.2	3737.6	-170	4156	2251.2	3771	-170	4157	2251.2	3828.5	-170
4158	2291.2	3828.5	-170	4159	2206.2	3861	-170	4160	2291.2	3869	-169.9	4161	2291.2	2656.6	-169.9
4162	4438	4926	-169.7	4163	2967.8	3828.5	-169.7	4164	2291.2	2697.4	-169.6	4165	2373.8	3201	-169.6
4166	5512.3	4564.8	-169.5	4167	2291.2	3909.3	-169.5	4168	2988.7	4247.6	-169.4	4169	3002.9	4247.6	-169.4
4170	3861.2	4725.3	-169.3	4171	2291.2	2738.2	-169.3	4172	2823.7	900.5	-169.3	4173	2291.2	4115.8	-169.3
4174	2988.7	4286.6	-169.2	4175	3044.4	4247.7	-169.1	4176	2251.2	3579.3	-169.1	4177	3003	4205.4	-169.1
4178	2988.7	4326	-169	4179	2291.2	2779	-169	4180	4574.6	4564.8	-168.9	4181	2291.2	4074	-168.8
4182	3085.8	4247.8	-168.8	4183	2291.2	3949.7	-168.8	4184	2988.8	4366.1	-168.7	4185	3003.1	4163.2	-168.7
4186	2243.7	923.7	-168.7	4187	2291.2	2820	-168.7	4188	2251.2	3620.2	-168.6	4189	2905.5	4564.8	-168.6
4190	2291.2	4032.3	-168.6	4191	2291.2	3990.7	-168.6	4192	3127.2	4247.8	-168.5	4193	3861.2	4685.2	-168.4
4194	2461.6	1464.7	-168.4	4195	2291.2	2861.1	-168.3	4196	3003.2	4120.9	-168.3	4197	2988.8	4406.4	-168.3
4198	3168.5	4247.9	-168.2	4199	2344	3201	-168.2	4200	2291.2	2902.7	-168	4201	3003.2	4078.8	-168
4202	3209.7	4248	-167.9	4203	2988.8	4446.4	-167.8	4204	3004.6	3239.7	-167.8	4205	4479.6	4926	-167.7
4206	2823.7	1176.5	-167.7	4207	2291.2	2944.7	-167.7	4208	3003.3	4036.7	-167.6	4209	3250.6	4248	-167.5
4210	3861.2	4645.1	-167.5	4211	2291.2	2987.1	-167.4	4212	2823.7	871.4	-167.3	4213	3291	4248.1	-167.2
4214	4547.8	4564.8	-167.2	4215	2243.7	883.6	-167.2	4216	3003.4	3994.8	-167.2	4217	2947.2	4564.8	-167.2

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
4218	2988.8	4486	-167.2	4219	2291.2	3029.8	-167	4220	2317.5	3201	-167	4221	3330.7	4248.2	-166.9
4222	5543.3	4564.8	-166.9	4223	3003.4	3953	-166.8	4224	2251.2	3631.9	-166.8	4225	2291.2	3072.5	-166.7
4226	3369.9	4248.2	-166.6	4227	3861.2	4604.9	-166.6	4228	3003.5	3911.4	-166.5	4229	2988.8	4525.5	-166.4
4230	2291.2	3115.3	-166.4	4231	3408.8	4248.3	-166.3	4232	2678.1	1204.6	-166.2	4233	3003.6	3869.9	-166.1
4234	2291.2	3158.2	-166	4235	3447.5	4248.4	-166	4236	2715.7	1204.6	-166	4237	2604.8	1204.6	-165.9
4238	2570	1204.6	-165.9	4239	2640.9	1204.6	-165.9	4240	2243.7	843.5	-165.7	4241	2278.6	843.5	-165.7
4242	2314.4	843.5	-165.7	4243	2351.4	843.5	-165.7	4244	2389.3	843.5	-165.7	4245	2427.9	843.5	-165.7
4246	2467	843.5	-165.7	4247	2506.6	843.5	-165.7	4248	2546.7	843.5	-165.7	4249	2587.2	843.5	-165.7
4250	2627.8	843.5	-165.7	4251	2668.2	843.5	-165.7	4252	2707.9	843.5	-165.7	4253	2747	843.5	-165.7
4254	2785.5	843.5	-165.7	4255	2823.7	843.5	-165.7	4256	2503.2	1204.6	-165.7	4257	2508.1	1204.6	-165.7
4258	2507.5	1241.8	-165.7	4259	2506.9	1278.9	-165.7	4260	2506.4	1316.1	-165.7	4261	2505.8	1353.2	-165.7
4262	2505.3	1390.4	-165.7	4263	2504.7	1427.5	-165.7	4264	2504.1	1464.7	-165.7	4265	2251.2	3201	-165.7
4266	2291.2	3201	-165.7	4267	3003.7	3828.5	-165.7	4268	3486.2	4248.4	-165.7	4269	3486.2	4288	-165.7
4270	3486.2	4327.5	-165.7	4271	3486.1	4367.1	-165.7	4272	3486.1	4406.6	-165.7	4273	3486.1	4446.2	-165.7
4274	3486.1	4485.7	-165.7	4275	3486.1	4525.3	-165.7	4276	2988.8	4564.8	-165.7	4277	3486.1	4564.8	-165.7
4278	3524.8	4564.8	-165.7	4279	3563.2	4564.8	-165.7	4280	3601.1	4564.8	-165.7	4281	3638.6	4564.8	-165.7
4282	3675.8	4564.8	-165.7	4283	3713	4564.8	-165.7	4284	3750	4564.8	-165.7	4285	3787.1	4564.8	-165.7
4286	3824.1	4564.8	-165.7	4287	3861.2	4564.8	-165.7	4288	3899.1	4564.8	-165.7	4289	3937	4564.8	-165.7
4290	3974.8	4564.8	-165.7	4291	4012.7	4564.8	-165.7	4292	4050.6	4564.8	-165.7	4293	4088.6	4564.8	-165.7
4294	4126.6	4564.8	-165.7	4295	4164.8	4564.8	-165.7	4296	4203.1	4564.8	-165.7	4297	4241.6	4564.8	-165.7
4298	4280.2	4564.8	-165.7	4299	4319	4564.8	-165.7	4300	4358	4564.8	-165.7	4301	4397.6	4564.8	-165.7
4302	4438	4564.8	-165.7	4303	4479.4	4564.8	-165.7	4304	4521.4	4564.8	-165.7	4305	4521.4	4604.9	-165.7
4306	4521.4	4645.1	-165.7	4307	4521.4	4685.2	-165.7	4308	4521.4	4725.3	-165.7	4309	4521.4	4765.5	-165.7
4310	4521.4	4805.6	-165.7	4311	4521.4	4845.7	-165.7	4312	4521.4	4885.8	-165.7	4313	4521.4	4926	-165.7
4314	2753.2	1204.6	-165.7	4315	2536	1204.6	-165.7	4316	2971.9	3201	-165.7	4317	2823.7	1204.6	-165
4318	3004.7	3201	-165	4319	3003.7	3802.1	-165	4320	2790.7	1204.6	-165	4321	3447.7	4564.8	-164.9
4322	5572	4564.8	-164.1	4323	3409.3	4564.8	-163.9	4324	2937.7	3201	-163.6	4325	2251.2	3232.9	-163.4
4326	3003.7	3779	-163.3	4327	2251.2	3600.9	-162.8	4328	3370.8	4564.8	-162.3	4329	5598.7	4564.8	-161.4
4330	2251.2	3267.7	-161.3	4331	3004.2	3518.6	-160.1	4332	2420.5	4564.8	-160	4333	2453.8	4564.8	-160
4334	2487.2	4564.8	-160	4335	2520.5	4564.8	-160	4336	3071	4564.8	-160	4337	3121	4564.8	-160
4338	3171	4564.8	-160	4339	3331.9	4564.8	-160	4340	3004.1	3533.3	-159.5	4341	2251.2	3304.2	-159.2
4342	3003.8	3760.5	-159.1	4343	3004.1	3580.8	-157.6	4344	3020.9	4564.8	-157.4	4345	2251.2	3341.6	-156.9
4346	3292.7	4564.8	-156.6	4347	2251.2	3617.4	-156.5	4348	2251.2	3523.1	-154.6	4349	2251.2	3380	-154.4
4350	2251.2	3651.2	-154	4351	2251.2	3633.6	-153.6	4352	3004.1	3555.9	-152.9	4353	2251.2	3549.9	-152.6
4354	2251.2	3418.8	-152.5	4355	2378.6	4564.8	-152.3	4356	3253.1	4564.8	-151.9	4357	2251.2	3493.9	-151.9
4358	2251.2	3457.1	-150.7	4359	2566.7	4564.8	-150.3	4360	2251.2	3676.7	-150.2	4361	3053.2	4564.8	-148.8
4362	3004.2	3515.5	-148.6	4363	2338.1	4564.8	-147.6	4364	2251.2	3574.1	-147.5	4365	3212.8	4564.8	-145.9
4366	2830.6	3201	-145.4	4367	2793.3	3201	-145.2	4368	2610.5	4564.8	-145.1	4369	2866.1	3201	-145.1
4370	2897.9	3201	-145	4371	2251.2	3596	-144.7	4372	2755.2	3201	-144.6	4373	2251.2	3741.1	-144.4
4374	4814.4	4564.8	-144.2	4375	4889.3	4564.8	-144.1	4376	4927.5	4564.8	-144	4377	4851.4	4564.8	-144
4378	2298.3	4564.8	-143.9	4379	4965.8	4564.8	-143.8	4380	3004.2	3527.1	-143.8	4381	2251.2	3708.3	-143.8
4382	5004.1	4564.8	-143.7	4383	2251.2	3771.2	-143.6	4384	2717.2	3201	-143.6	4385	4777.6	4564.8	-143.6
4386	5042.2	4564.8	-143.6	4387	2920.4	3201	-143.5	4388	5080	4564.8	-143.4	4389	5117.7	4564.8	-143.3
4390	5155.2	4564.8	-143.2	4391	5192.6	4564.8	-143	4392	5229.8	4564.8	-142.9	4393	2680	3201	-142.8
4394	4741.5	4564.8	-142.7	4395	3004.2	3472.6	-142.4	4396	5266.8	4564.8	-142.1	4397	2643.5	3201	-142.1
4398	4706.2	4564.8	-141.9	4399	2653.5	4564.8	-141.7	4400	5303.4	4564.8	-141.6	4401	2607.5	3201	-141.4
4402	5339.8	4564.8	-141.3	4403	5375.8	4564.8	-141.1	4404	2571.9	3201	-141	4405	3004.2	3500.9	-141
4406	2251.2	3614.5	-141	4407	2259.1	4564.8	-140.9	4408	5411.4	4564.8	-140.9	4409	2243.7	1204.6	-140.8
4410	2243.7	1247.9	-140.8	4411	2243.7	1291.5	-140.8	4412	2243.7	1335.3	-140.8	4413	2243.7	1379	-140.8
4414	2243.7	1422.2	-140.8	4415	2243.7	1464.7	-140.8	4416	2291.2	1464.7	-140.8	4417	2537.6	3201	-140.8
4418	2284.7	1204.6	-140.3	4419	2291.2	1504.2	-140.3	4420	3086.7	4564.8	-140.3	4421	3004.1	3541.8	-140.3
4422	4671.2	4564.8	-140.2	4423	2504	3201	-140.2	4424	2698.2	4289.5	-140.2	4425	2698.1	4330.9	-140.2
4426	2698.3	4247.6	-140.1	4427	2698	4371.7	-140.1	4428	2698.4	4205.5	-140	4429	2291.2	1543.7	-139.9
4430	2698	4411.7	-139.9	4431	2698.5	4163.4	-139.8	4432	2326.2	1204.6	-139.7	4433	2698.6	4121.3	-139.6
4434	2291.2	1583.3	-139.6	4435	2697.9	4451.3	-139.6	4436	5446.3	4564.8	-139.5	4437	2471	3201	-139.5
4438	3004	3603.9	-139.5	4439	2698.7	4079.2	-139.4	4440	3171.6	4564.8	-139.4	4441	2291.2	1622.8	-139.4
4442	2243.7	1164.5	-139.4	4443	2696	4564.8	-139.3	4444	2814.5	3828.5	-139.3	4445	2775.4	3828.5	-139.3
4446	2823.7	1041.1	-139.3	4447	2697.8	4490.8	-139.3	4448	3003.8	3733.8	-139.3	4449	2698.8	4037.3	-139.2
4450	3004.3	3442.3	-139.2	4451	4637.9	4564.8	-139.2	4452	2291.2	1662.3	-139.1	4453	2823.7	969.3	-139.1
4454	2823.7	1004.2	-139	4455	2698.8	3995.5	-139	4456	2697.7	4530.5	-138.9	4457	2291.2	1701.8	-138.9
4458	2737.1	3828.5	-138.8	4459	2853.8	3828.5	-138.8	4460	2698.9	3953.7	-138.7	4461	2291.2	1741.1	-138.7
4462	2823.7	1077.5	-138.6	4463	2368.5	1204.6	-138.6	4464	2699	3911.9	-138.5	4465	2438.3	3201	-138.5
4466	2697.6	4570.6	-138.5	4467	2333.8	1464.7	-138.4	4468	2291.2	1780.3	-138.4	4469	3004	3650.4	-138.4
4470	2699.1	3870.2	-138.3	4471	2291.2	1819.2	-138.2	4472	3128.2	4564.8	-138.1	4473	2823.7	935.3	-138.1
4474	2699.2	3828.5	-138.1	4475	2220.2	4564.8	-138.1	4476	2697.5	4610.9	-138.1	4477	2291.2	4611	-138.1
4478	2243.7	1124.4	-138.1	4479	3003.8	3759.1	-138	4480	2291.2	1858	-138	4481	5480.2	4564.8	-137.9
4482	2406.4	3201	-137.8	4483	2291.2	4568.5	-137.8	4484	2291.2	1896.7	-137.7	4485	2658.3	3828.5	-137.6
4486	2291.2	4526.6	-137.5	4487	2892.5	3828.5	-137.5	4488	2291.2	1935.3	-137.5	4489	2738.2	4564.8	-137.5
4490	2251.2	3797	-137.4	4491	2291.2	4485.2	-137.3	4492	2291.2	1973.9	-137.2	4493	2823.7	1113.1	-137.2
4494	2617.4	3828.5	-137.1	4495	4605.5	4564.8	-137.1	4496	2291.2	4444.3	-137	4497	2291.2	2012.7	-137
4498	2243.7	1084.2	-136.8	4499	2291.2	2051.7	-136.8	4500	2291.2	4403.6	-136.8	4501	4126	4926	-136.7
4502	2411.9	1204.6	-136.7	4503	4164	4926	-136.7	4504	4088.1	4926	-136.7	4505	2576.6	3828.5	-136.6
4506	2291.2	2091	-136.5	4507	4202.2	4926	-136.5	4508	2291.2	4363	-136.5	4509	4050.1	4926	-136.5
4510	3003.9	3693.6	-136.3	4511	2251.2	3631	-136.3	4512	2291.2	2130.4	-136.3	4513	2291.2	4322.3	-136.2
4514	4011.9	4926	-136.2	4515	4240.6	4926	-136.2	4516	2376.4	1464.7	-136.2	4517	2535.7	3828.5	-136.1
4518	3973.4	4926	-136.1	4519	2291.2	2170	-136.1	4520	2375	3201	-136	4521	3861.2	4926	-136
4522	3935.2	4926	-136	4523	3897.9	4926	-136	4524	2780.2	4564.8	-135.9	4525	2291.2	4281.6	-135.9
4526	2291.2	2209.7	-135.8	4527	4279.4	4926	-135.7	4528	5512.7	4564.8	-135.7	4529	2243.7	1044.1	-135.7
4530	3003.7	3781.1	-135.7	4531	2494.8	3828.5	-135.6	4532	2291.2	2249.4	-135.6	4533	2823.7	1144.5	-135.5
4534	2291.2	4240.7	-135.4	4535	2823.7	902.2	-135.4	4536	2291.2	2289.4	-135.3	4537	3861.2	4885.8	-135.3
4538	2930	3828.5	-135.2	4539	4576.4	4564.8	-135.2	4540	4318.5	4926	-135.1	4541	2454	3828.5	-135.1
4542	2291.2	2329.6	-135.1	4543	2291.2	2370.1	-134.8	4544	2291.2	4199.5	-134.8	4545	2413.2	3828.5	-134.6
4546	2291.2	2410.9	-134.6	4547	3861.2	4845.7	-134.6	4548	2822.1	4564.8	-134.6	4549	2243.7	1004	-134.5
4550	4358.2	4926	-134.4	4551	2291.2	2451.8	-134.3	4552	2291.2	4158.2	-134.2	4553	2372.5	3828.5	-134.1
4554	2291.2	2492.8	-134.1	4555	2419	1464.7	-134	4556	2251.2	3652.3	-134	4557	2344.8	3201	-133.9
4558	3004.4	3402.2	-133.9	4559	3861.2	4805.6	-133.9	4560	2291.2	2533.8	-133.8	4561	2291.2	4116.8	-133.7
4562	2291.2	2574.8	-133.6	4563	2331.8	3828.5	-133.6	4564	4398.5	4926	-133.6	4565	2251.2	3525	-133.5
4566	2456.9	1204.6	-133.5	4567	2291.2	4075.3	-133.4	4568	2291.2	2615.8	-133.3	4569	2863.8	4564.8	-133.3
4570	2243.7	963.8	-133.3	4571	3861.2	4765.5	-133.2	4572	2291.2	4033.9	-133.1	4573	2291.2	3869.5	-133.1
4574	2291.2	3910.4	-133.1	4575	2291.2	2656.6	-133.1	4576	2291.2	3992.5	-133	4577	2291.2	3951.4	-133
4578	2251.2	3828.5	-133	4579	2291.2	3828.5	-133	4580	2206.2	3861	-133	4581	5543	4564.8	-133
4582	2291.2	2697.5	-132.8	4583	3003.7	3799.8	-132.7	4584	2291.2	2738.2	-132.6	4585	2988.7	4247.6	-132.6
4586	3002.9	4247.6	-132.6	4587	2966.9	3828.5	-132.6	4588	3861.2	4725.3	-132.5	4589	3004.4	3362	-132.5
4590	4439.2	4926	-132.4	4591	2823.7	873.7	-132.4	4592	2988.7	4286.9	-132.4	4593	2291.2	2779.1	-132.4
4594	3044.5	4247.7	-132.3	4595	3003	4205.4	-132.3	4596	2251.2	3675.5	-132.2	4597	2988.7	4326.5	-132.2
4598	4549.2	4564.8	-132.2	4599	2243.7	923.7	-132.1	4600	2905.5	4564.8	-132.1	4601	2291.2	2820	-132.1
4602	3086	4247.8	-132.1	4603	2319.1	3201	-132.1	4604	3003.1	4163.1	-132	4605	2988.8	4366.3	-131.9
4606	2461.6	1464.7	-131.9	4607	3127.5	4247.8	-131.9	4608	2291.2	2861.1	-131.9	4609	3861.2	4685.2	-131.8

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
4610	3003.2	4120.9	-131.7	4611	3004.5	3321.3	-131.7	4612	3169	4247.9	-131.6	4613	2988.8	4406.3	-131.6
4614	2291.2	2902.7	-131.6	4615	3003.2	4078.7	-131.5	4616	3210.3	4248	-131.4	4617	2291.2	2944.7	-131.3
4618	2988.8	4446.1	-131.2	4619	2823.7	1174.2	-131.2	4620	3003.3	4036.6	-131.2	4621	3861.2	4645.1	-131.2
4622	4480.2	4926	-131.2	4623	3251.3	4248	-131.1	4624	2291.2	2987.1	-131.1	4625	2243.7	883.6	-131
4626	2947.2	4564.8	-131	4627	3291.6	4248.1	-130.9	4628	3003.4	3994.6	-130.9	4629	2291.2	3029.8	-130.8
4630	2988.8	4485.8	-130.8	4631	3331.3	4248.2	-130.7	4632	3003.4	3952.9	-130.6	4633	2291.2	3072.5	-130.6
4634	3861.2	4604.9	-130.5	4635	3370.4	4248.2	-130.5	4636	3003.5	3911.3	-130.3	4637	3004.6	3280.7	-130.3
4638	2291.2	3115.3	-130.3	4639	2988.8	4525.3	-130.3	4640	3409.1	4248.3	-130.2	4641	3003.6	3869.9	-130.1
4642	2291.2	3158.2	-130	4643	3447.7	4248.4	-130	4644	2251.2	3694.4	-129.8	4645	2243.7	843.5	-129.8
4646	2278.1	843.5	-129.8	4647	2313.6	843.5	-129.8	4648	2350.5	843.5	-129.8	4649	2388.4	843.5	-129.8
4650	2427	843.5	-129.8	4651	2466.1	843.5	-129.8	4652	2505.8	843.5	-129.8	4653	2546.1	843.5	-129.8
4654	2586.8	843.5	-129.8	4655	2627.6	843.5	-129.8	4656	2668.1	843.5	-129.8	4657	2708	843.5	-129.8
4658	2747.1	843.5	-129.8	4659	2785.6	843.5	-129.8	4660	2823.7	843.5	-129.8	4661	2502.7	1204.6	-129.8
4662	2508.1	1204.6	-129.8	4663	2507.5	1241.8	-129.8	4664	2506.9	1278.9	-129.8	4665	2506.4	1316.1	-129.8
4666	2505.8	1353.2	-129.8	4667	2505.3	1390.4	-129.8	4668	2504.7	1427.5	-129.8	4669	2504.1	1464.7	-129.8
4670	2251.2	3201	-129.8	4671	2291.2	3201	-129.8	4672	3003.7	3828.5	-129.8	4673	3486.2	4248.4	-129.8
4674	3486.2	4288	-129.8	4675	3486.2	4327.5	-129.8	4676	3486.1	4367.1	-129.8	4677	3486.1	4406.6	-129.8
4678	3486.1	4446.2	-129.8	4679	3486.1	4485.7	-129.8	4680	3486.1	4525.3	-129.8	4681	2988.8	4564.8	-129.8
4682	3486.1	4564.8	-129.8	4683	3524.9	4564.8	-129.8	4684	3563.4	4564.8	-129.8	4685	3601.4	4564.8	-129.8
4686	3638.9	4564.8	-129.8	4687	3676.1	4564.8	-129.8	4688	3713.1	4564.8	-129.8	4689	3750.2	4564.8	-129.8
4690	3787.2	4564.8	-129.8	4691	3824.2	4564.8	-129.8	4692	3861.2	4564.8	-129.8	4693	3899	4564.8	-129.8
4694	3936.8	4564.8	-129.8	4695	3974.6	4564.8	-129.8	4696	4012.3	4564.8	-129.8	4697	4050.2	4564.8	-129.8
4698	4088	4564.8	-129.8	4699	4126	4564.8	-129.8	4700	4164.1	4564.8	-129.8	4701	4202.4	4564.8	-129.8
4702	4240.8	4564.8	-129.8	4703	4279.4	4564.8	-129.8	4704	4318.2	4564.8	-129.8	4705	4357.2	4564.8	-129.8
4706	4396.8	4564.8	-129.8	4707	4437.4	4564.8	-129.8	4708	4479	4564.8	-129.8	4709	4521.4	4564.8	-129.8
4710	4521.4	4604.9	-129.8	4711	4521.4	4645.1	-129.8	4712	4521.4	4685.2	-129.8	4713	4521.4	4725.3	-129.8
4714	4521.4	4765.5	-129.8	4715	4521.4	4805.6	-129.8	4716	4521.4	4845.7	-129.8	4717	4521.4	4885.8	-129.8
4718	4521.4	4926	-129.8	4719	2947.6	3201	-129.5	4720	5570.4	4564.8	-129.4	4721	2535.9	1204.6	-129.4
4722	2251.2	3546.9	-129.3	4723	2570.3	1204.6	-129.3	4724	3447.8	4564.8	-129.2	4725	2605.3	1204.6	-129
4726	2641.2	1204.6	-128.7	4727	2678	1204.6	-128.6	4728	2972.2	3201	-128.4	4729	3409.5	4564.8	-128.4
4730	2251.2	3610.9	-128.3	4731	2715.3	1204.6	-128.2	4732	2752.6	1204.6	-127.7	4733	3004.6	3239.7	-127.7
4734	2251.2	3594.4	-127.4	4735	2251.2	3572.1	-127.4	4736	2251.2	3233.9	-127.4	4737	3371	4564.8	-127.2
4738	3004.2	3517.8	-127	4739	3004.1	3568.4	-126.4	4740	2789.8	1204.6	-126.2	4741	3332.4	4564.8	-125.5
4742	2251.2	3269.5	-125.3	4743	2823.7	1194.6	-125	4744	2860.7	1194.6	-125	4745	2897.7	1194.6	-125
4746	2934.7	1194.6	-125	4747	2971.7	1194.6	-125	4748	3008.7	1194.6	-125	4749	2823.7	1196	-125
4750	2860.7	1196	-125	4751	2897.7	1196	-125	4752	2934.7	1196	-125	4753	2971.7	1196	-125
4754	3008.7	1196	-125	4755	2823.7	1204.6	-125	4756	3008.7	1234	-125	4757	3008.7	1273.3	-125
4758	3008.7	1312.7	-125	4759	3008.7	1352	-125	4760	3008.7	1391.3	-125	4761	3008.7	1430.7	-125
4762	3008.7	1470	-125	4763	3008.7	1509.4	-125	4764	3008.7	1548.7	-125	4765	3008.7	1588	-125
4766	3008.7	1627.4	-125	4767	3008.7	1666.7	-125	4768	3008.7	1706.1	-125	4769	3008.7	1745.4	-125
4770	3008.7	1784.7	-125	4771	3008.7	1824.1	-125	4772	3008.7	1863.4	-125	4773	3008.7	1902.8	-125
4774	3008.7	1942.1	-125	4775	3008.7	1981.4	-125	4776	3008.7	2020.8	-125	4777	3008.7	2060.1	-125
4778	3008.7	2099.5	-125	4779	3008.7	2138.8	-125	4780	3008.7	2178.1	-125	4781	3008.7	2217.5	-125
4782	3008.7	2256.8	-125	4783	3008.7	2296.1	-125	4784	3008.7	2335.5	-125	4785	3008.7	2374.8	-125
4786	3008.7	2414.2	-125	4787	3008.7	2453.5	-125	4788	3008.7	2492.8	-125	4789	3008.7	2532.2	-125
4790	3008.7	2571.5	-125	4791	3008.7	2610.9	-125	4792	3008.7	2650.2	-125	4793	3008.7	2689.5	-125
4794	3008.7	2728.9	-125	4795	3008.7	2768.2	-125	4796	3008.7	2807.6	-125	4797	3008.7	2846.9	-125
4798	3008.7	2886.2	-125	4799	3008.7	2925.6	-125	4800	3008.7	2964.9	-125	4801	3008.7	3004.3	-125
4802	3008.7	3043.6	-125	4803	3008.7	3082.9	-125	4804	3008.7	3122.3	-125	4805	3008.7	3161.6	-125
4806	3004.7	3201	-125	4807	3008.7	3201	-125	4808	3004.1	3543.4	-125	4809	3043.4	3543.4	-125
4810	3082.8	3543.4	-125	4811	3122.1	3543.4	-125	4812	3161.4	3543.4	-125	4813	3200.7	3543.4	-125
4814	3240	3543.4	-125	4815	3279.3	3543.4	-125	4816	3318.6	3543.4	-125	4817	3357.9	3543.4	-125
4818	3397.2	3543.4	-125	4819	3436.6	3543.4	-125	4820	3475.9	3543.4	-125	4821	3515.2	3543.4	-125
4822	3554.5	3543.4	-125	4823	3593.8	3543.4	-125	4824	3633.1	3543.4	-125	4825	3672.4	3543.4	-125
4826	3711.7	3543.4	-125	4827	3751.1	3543.4	-125	4828	3790.4	3543.4	-125	4829	3829.7	3543.4	-125
4830	3869	3543.4	-125	4831	3908.3	3543.4	-125	4832	3947.6	3543.4	-125	4833	3986.9	3543.4	-125
4834	4026.2	3543.4	-125	4835	4065.5	3543.4	-125	4836	4104.9	3543.4	-125	4837	4144.2	3543.4	-125
4838	4183.5	3543.4	-125	4839	4222.8	3543.4	-125	4840	4262.1	3543.4	-125	4841	4301.4	3543.4	-125
4842	4340.7	3543.4	-125	4843	4380	3543.4	-125	4844	4419.3	3543.4	-125	4845	4458.7	3543.4	-125
4846	4498	3543.4	-125	4847	4537.3	3543.4	-125	4848	4576.6	3543.4	-125	4849	4615.9	3543.4	-125
4850	4655.2	3543.4	-125	4851	4694.5	3543.4	-125	4852	4733.8	3543.5	-125	4853	4773.2	3543.5	-125
4854	4812.5	3543.5	-125	4855	4851.8	3543.5	-125	4856	4891.1	3543.5	-125	4857	4930.4	3543.5	-125
4858	4969.7	3543.5	-125	4859	5009	3543.5	-125	4860	5048.3	3543.5	-125	4861	5087.6	3543.5	-125
4862	5127	3543.5	-125	4863	5166.3	3543.5	-125	4864	5205.6	3543.5	-125	4865	5244.9	3543.5	-125
4866	5284.2	3543.5	-125	4867	5323.5	3543.5	-125	4868	5362.8	3543.5	-125	4869	5402.1	3543.5	-125
4870	5441.5	3543.5	-125	4871	5480.8	3543.5	-125	4872	5520.1	3543.5	-125	4873	5559.4	3543.5	-125
4874	5598.7	3543.5	-125	4875	5598.7	3582	-125	4876	5598.7	3620.5	-125	4877	5598.7	3659	-125
4878	5598.7	3697.5	-125	4879	5598.7	3736	-125	4880	5598.7	3774.5	-125	4881	5598.7	3813	-125
4882	5598.7	3851.5	-125	4883	5598.7	3890	-125	4884	5598.7	3928.5	-125	4885	5639.4	3928.5	-125
4886	5680.1	3928.5	-125	4887	5720.8	3928.5	-125	4888	5761.6	3928.5	-125	4889	5802.3	3928.5	-125
4890	5843	3928.5	-125	4891	5883.7	3928.5	-125	4892	5598.7	3967.6	-125	4893	5883.7	3969.5	-125
4894	5598.7	4006.8	-125	4895	5883.7	4010.5	-125	4896	5598.7	4046	-125	4897	5883.7	4051.5	-125
4898	5598.7	4085.1	-125	4899	5883.7	4092.6	-125	4900	5598.7	4124.3	-125	4901	5883.7	4133.6	-125
4902	5598.7	4163.5	-125	4903	5883.7	4174.6	-125	4904	5598.7	4202.6	-125	4905	5883.7	4215.6	-125
4906	5598.7	4241.8	-125	4907	5883.7	4256.6	-125	4908	5598.7	4281	-125	4909	5883.7	4297.7	-125
4910	5598.7	4320.1	-125	4911	5883.7	4338.7	-125	4912	5598.7	4359.3	-125	4913	5883.7	4379.7	-125
4914	5598.7	4398.5	-125	4915	5883.7	4420.7	-125	4916	5598.7	4437.6	-125	4917	5883.7	4461.8	-125
4918	5598.7	4476.8	-125	4919	5883.7	4502.8	-125	4920	5598.7	4516	-125	4921	5883.7	4543.8	-125
4922	5598.7	4550.4	-125	4923	5598.7	4564.8	-125	4924	5598.7	4583.3	-125	4925	5639.4	4583.5	-125
4926	5680.1	4583.7	-125	4927	5598.7	4584.8	-125	4928	5639.4	4584.8	-125	4929	5680.1	4584.8	-125
4930	5720.8	4584.8	-125	4931	5761.6	4584.8	-125	4932	5802.3	4584.8	-125	4933	5843	4584.8	-125
4934	5883.7	4584.8	-125	4935	3023.2	4564.8	-124.1	4936	2251.2	3306.2	-123.1	4937	3293.4	4564.8	-123.1
4938	2925.1	3201	-122.6	4939	2251.2	3769.3	-121.9	4940	2251.2	3344.2	-120.8	4941	3254.1	4564.8	-119.9
4942	3004.3	3472.3	-119.9	4943	2251.2	3746.3	-119.6	4944	3003.8	3760.2	-118.9	4945	2251.2	3383	-118.8
4946	3058	4564.8	-118.6	4947	2251.2	3721	-118.1	4948	2251.2	3422.2	-117.9	4949	3003.7	3776.5	-117.8
4950	3004.2	3490.8	-117.6	4951	2902.5	3201	-117.4	4952	2251.2	3462.1	-117.3	4953	2251.2	3504.9	-116.6
4954	2251.2	3623.3	-116.4	4955	3214.3	4564.8	-116.4	4956	3094.3	4564.8	-114.1	4957	2251.2	3651.4	-113.5
4958	2251.2	3699.5	-113.4	4959	3174	4564.8	-113.2	4960	2453.5	4564.8	-113.1	4961	2490.4	4564.8	-113.1
4962	2868	3201	-112.9	4963	3133.5	4564.8	-112.4	4964	2251.2	3676.9	-112.3	4965	2416.2	4564.8	-112.2
4966	2831.4	3201	-112	4967	2528.4	4564.8	-111.9	4968	2793.6	3201	-111.2	4969	2251.2	3598.1	-110.7
4970	2717	3201	-110.6	4971	2754.9	3201	-110.6	4972	4814.6	4564.8	-110.2	4973	2679.8	3201	-110.2
4974	4889.9	4564.8	-109.8	4975	4928	4564.8	-109.8	4976	5080	4564.8	-109.7	4977	5117.5	4564.8	-109.7
4978	4777.6	4564.8	-109.7	4979	4966.3	4564.8	-109.7	4980	4851.9	4564.8	-109.6	4981	5042.4	4564.8	-109.6
4982	2643.3	3201	-109.6	4983	5004.5	4564.8	-109.6	4984	5154.8	4564.8	-109.6	4985	5192	4564.8	-109.4
4986	5229.1	4564.8	-109.3	4987	5266	4564.8	-109.2	4988	2376.4	4564.8	-109	4989	2947.3	3201	-108.9
4990	4741.1	4564.8	-108.9	4991	2607.4	3201	-108.7	4992	2572.2	3201	-108.7	4993	4705.5	4564.8	-108.6
4994	2537.8	3201	-108.1	4995	5302.8	4564.8	-108	4996	2570.2	4564.8	-108	4997	2471.4	3201	-107.9
4998	2504.1	3201	-107.8	4999	5339.3	4564.8	-107.7	5000	2251.2	3542	-107.6	5001	5375.6	4564.8	-107.5

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
5002	5411.7	4564.8	-107.4	5003	4670.6	4564.8	-107.3	5004	2823.7	970	-107.2	5005	2930.2	3201	-107.1
5006	2823.7	937	-107	5007	2823.7	1042.7	-107	5008	2438.9	3201	-106.9	5009	2823.7	1079.1	-106.8
5010	2823.7	1005.7	-106.7	5011	4637	4564.8	-106.5	5012	2823.7	1112.9	-106.5	5013	5447	4564.8	-106.5
5014	4606.1	4564.8	-106.2	5015	2336.4	4564.8	-106	5016	2251.2	3573.7	-106	5017	5481	4564.8	-105.9
5018	2407	3201	-105.9	5019	2376.5	3201	-105.4	5020	5512.6	4564.8	-105.2	5021	2612.5	4564.8	-104.8
5022	2823.7	906.4	-104.6	5023	2823.7	1144.1	-103.9	5024	2297	4564.8	-103.5	5025	4577.6	4564.8	-103.4
5026	2348.2	3201	-103.4	5027	3003.8	3744.3	-103.2	5028	2654.7	4564.8	-102.4	5029	3004.3	3454.2	-102.4
5030	5541.8	4564.8	-102.1	5031	2251.2	3789.3	-101.8	5032	3003.7	3786.9	-101.5	5033	2258.4	4564.8	-101.4
5034	2243.7	1204.6	-101.2	5035	2243.7	1248	-101.2	5036	2243.7	1291.5	-101.2	5037	2243.7	1335.1	-101.2
5038	2243.7	1378.6	-101.2	5039	2243.7	1421.8	-101.2	5040	2243.7	1464.7	-101.2	5041	2291.2	1464.7	-101.2
5042	2291.2	1504.2	-101	5043	2285.6	1204.6	-100.8	5044	2291.2	1543.7	-100.8	5045	2696.7	4564.8	-100.7
5046	2698.2	4286.6	-100.7	5047	2698.1	4327.7	-100.6	5048	2698.3	4245.2	-100.6	5049	2698.1	4368.3	-100.6
5050	2291.2	1583.3	-100.6	5051	2698.4	4203.6	-100.6	5052	2698	4408.6	-100.5	5053	2698.5	4161.8	-100.5
5054	2291.2	1622.8	-100.4	5055	3631.3	3543.4	-100.4	5056	2698.6	4120	-100.3	5057	2243.7	1164.5	-100.3
5058	2697.9	4448.6	-100.3	5059	2291.2	1662.3	-100.2	5060	2698.7	4078.2	-100.2	5061	2327.7	1204.6	-100.2
5062	3596.1	3543.4	-100.2	5063	2697.8	4488.7	-100.1	5064	2291.2	1701.8	-100.1	5065	2698.8	4036.5	-100.1
5066	2698.8	3994.9	-99.9	5067	2775.6	3828.5	-99.9	5068	2291.2	1741.2	-99.9	5069	2697.7	4528.9	-99.9
5070	4501.3	3543.4	-99.9	5071	2814.2	3828.5	-99.9	5072	4461.4	3543.4	-99.8	5073	4541.3	3543.4	-99.8
5074	4421.5	3543.4	-99.8	5075	3008.7	1864.5	-99.8	5076	2698.9	3953.2	-99.8	5077	4381.6	3543.4	-99.8
5078	3008.7	1904.5	-99.8	5079	3008.7	1824.5	-99.8	5080	2291.2	1780.3	-99.8	5081	5046.9	3543.5	-99.8
5082	3008.7	1627	-99.7	5083	5007.2	3543.5	-99.7	5084	4341.9	3543.4	-99.7	5085	3008.7	1666.8	-99.7
5086	2737.3	3828.5	-99.7	5087	3008.7	1784.9	-99.7	5088	4581.2	3543.4	-99.7	5089	3991.4	3543.4	-99.7
5090	3008.7	1587.4	-99.7	5091	4031.1	3543.4	-99.7	5092	3008.7	1706.3	-99.7	5093	3008.7	1944.1	-99.7
5094	3008.7	1745.6	-99.7	5095	2333.8	1464.7	-99.7	5096	5086.5	3543.5	-99.7	5097	3951.8	3543.4	-99.7
5098	5396.4	3543.5	-99.7	5099	4070.4	3543.4	-99.7	5100	4967.7	3543.5	-99.7	5101	2699	3911.6	-99.7
5102	3008.7	1548.2	-99.6	5103	2697.6	4569.6	-99.6	5104	4302.7	3543.4	-99.6	5105	4109.4	3543.4	-99.6
5106	5357.2	3543.5	-99.6	5107	3008.7	1392.3	-99.6	5108	3008.7	1431.4	-99.6	5109	5125.5	3543.5	-99.6
5110	4620.5	3543.4	-99.6	5111	3008.7	1509.2	-99.6	5112	4736.4	3543.5	-99.6	5113	2291.2	1819.3	-99.6
5114	3008.7	1470.4	-99.6	5115	3008.7	2653.1	-99.6	5116	4775.4	3543.5	-99.6	5117	3008.7	1983.2	-99.6
5118	4148.3	3543.4	-99.6	5119	4697.6	3543.4	-99.6	5120	5318.4	3543.5	-99.6	5121	3008.7	2692.3	-99.5
5122	4659.1	3543.4	-99.5	5123	4929	3543.5	-99.5	5124	3008.7	2613.8	-99.5	5125	4187	3543.4	-99.5
5126	4264	3543.4	-99.5	5127	5164.2	3543.5	-99.5	5128	5279.7	3543.5	-99.5	5129	4814.2	3543.5	-99.5
5130	2699.1	3870.1	-99.5	5131	3912.4	3543.4	-99.5	5132	4225.6	3543.4	-99.5	5133	5241.1	3543.5	-99.5
5134	5202.7	3543.5	-99.5	5135	2243.7	1124.4	-99.5	5136	3008.7	2137.1	-99.5	5137	3008.7	2021.5	-99.5
5138	3008.7	2098.1	-99.5	5139	4852.7	3543.5	-99.5	5140	3008.7	2730.9	-99.4	5141	4890.8	3543.5	-99.4
5142	2291.2	1858	-99.4	5143	2852.8	3828.5	-99.4	5144	3008.7	2059.7	-99.4	5145	2699.2	3828.5	-99.4
5146	2220.2	4564.8	-99.4	5147	2697.5	4610.9	-99.4	5148	2291.2	4611	-99.4	5149	3008.7	2768.9	-99.4
5150	3008.7	2575.1	-99.3	5151	2370.3	1204.6	-99.3	5152	3008.7	2176.4	-99.3	5153	2738.6	4564.8	-99.3
5154	2291.2	1896.7	-99.3	5155	3008.7	2806.7	-99.3	5156	3668.1	3543.4	-99.3	5157	3008.7	2844.4	-99.2
5158	3008.7	2882.1	-99.2	5159	3873.6	3543.4	-99.2	5160	3008.7	2919.9	-99.2	5161	3008.7	2957.9	-99.2
5162	2291.2	4568.2	-99.2	5163	3003.9	3697	-99.2	5164	2291.2	1935.3	-99.1	5165	2658.3	3828.5	-99.1
5166	3008.7	2996.3	-99	5167	2291.2	4526.2	-99	5168	5435.9	3543.5	-99	5169	2291.2	1973.9	-99
5170	3004.2	3499.9	-98.9	5171	3008.7	1353.4	-98.9	5172	2291.2	4484.9	-98.9	5173	2291.2	2012.7	-98.8
5174	2617.5	3828.5	-98.7	5175	2291.2	4444.1	-98.7	5176	2243.7	1084.2	-98.7	5177	2291.2	2051.7	-98.6
5178	2891.1	3828.5	-98.6	5179	3834.8	3543.4	-98.5	5180	2291.2	4403.5	-98.5	5181	2291.2	2090.9	-98.5
5182	3008.7	2215.8	-98.4	5183	2576.6	3828.5	-98.4	5184	3003.9	3653	-98.4	5185	2291.2	4362.9	-98.3
5186	2291.2	2130.4	-98.3	5187	4125.4	4926	-98.2	5188	4087.5	4926	-98.2	5189	2780.4	4564.8	-98.2
5190	3008.7	3034.8	-98.2	5191	2376.4	1464.7	-98.2	5192	4163.6	4926	-98.2	5193	3008.7	2536.8	-98.2
5194	2291.2	4322.3	-98.2	5195	4049.6	4926	-98.2	5196	2291.2	2170	-98.1	5197	2823.7	878.9	-98.1
5198	4202.1	4926	-98.1	5199	4011.6	4926	-98.1	5200	2535.8	3828.5	-98.1	5201	3861.2	4926	-98
5202	3973.6	4926	-98	5203	2413.6	1204.6	-98	5204	3898.4	4926	-98	5205	2291.2	2209.7	-98
5206	3935.8	4926	-98	5207	2291.2	4281.6	-98	5208	2243.7	1044.1	-97.9	5209	4241	4926	-97.9
5210	2291.2	2249.4	-97.8	5211	2291.2	4240.8	-97.7	5212	2495	3828.5	-97.7	5213	5475.1	3543.5	-97.7
5214	2291.2	2289.3	-97.6	5215	3008.7	1315.1	-97.6	5216	2322.8	3201	-97.6	5217	4552.4	4564.8	-97.6
5218	4280.2	4926	-97.6	5219	3008.7	2255.6	-97.5	5220	3861.2	4885.8	-97.5	5221	2291.2	2329.5	-97.5
5222	2291.2	4199.8	-97.4	5223	2454.1	3828.5	-97.4	5224	3004.4	3407.1	-97.3	5225	2291.2	2370	-97.3
5226	2822.2	4564.8	-97.2	5227	3004	3611.1	-97.2	5228	2928.9	3828.5	-97.2	5229	4319.7	4926	-97.2
5230	2291.2	4158.6	-97.2	5231	2291.2	2410.8	-97.1	5232	3008.7	2293	-97.1	5233	3861.2	4845.7	-97.1
5234	2243.7	1004	-97.1	5235	2413.4	3828.5	-97.1	5236	2291.2	2451.8	-97	5237	2291.2	4117.3	-96.9
5238	2291.2	2492.8	-96.8	5239	2419	1464.7	-96.7	5240	4359.5	4926	-96.7	5241	2823.7	1171.3	-96.7
5242	3706.8	3543.4	-96.7	5243	2372.6	3828.5	-96.7	5244	2291.2	4075.9	-96.7	5245	2291.2	2533.8	-96.6
5246	3861.2	4805.6	-96.6	5247	2291.2	4034.6	-96.5	5248	2291.2	2574.8	-96.5	5249	3795	3543.4	-96.4
5250	2291.2	3993.3	-96.4	5251	2331.9	3828.5	-96.4	5252	2863.9	4564.8	-96.4	5253	3008.7	2414.2	-96.3
5254	2291.2	3952.1	-96.3	5255	3008.7	2497.9	-96.3	5256	2291.2	2615.8	-96.3	5257	2243.7	963.8	-96.3
5258	2291.2	3910.9	-96.2	5259	4399.6	4926	-96.2	5260	3861.2	4765.5	-96.2	5261	2291.2	3869.7	-96.1
5262	2291.2	2656.6	-96.1	5263	2457.7	1204.6	-96.1	5264	2251.2	3828.5	-96	5265	2291.2	3828.5	-96
5266	2206.2	3861	-96	5267	2291.2	2697.5	-95.9	5268	2291.2	2738.3	-95.8	5269	2988.7	4247.6	-95.7
5270	3002.9	4247.6	-95.7	5271	3861.2	4725.3	-95.7	5272	5567.4	4564.8	-95.6	5273	2291.2	2779.1	-95.6
5274	2966.4	3828.5	-95.6	5275	2988.7	4287.1	-95.6	5276	3044.6	4247.7	-95.6	5277	3003	4205.3	-95.5
5278	2905.6	4564.8	-95.5	5279	3008.7	3073.8	-95.5	5280	4440	4926	-95.5	5281	2243.7	923.7	-95.5
5282	2291.2	2820	-95.4	5283	2988.7	4326.7	-95.4	5284	3086.3	4247.8	-95.4	5285	3003.1	4163	-95.3
5286	2461.6	1464.7	-95.3	5287	2291.2	2861.1	-95.3	5288	2988.8	4366.4	-95.2	5289	3127.9	4247.8	-95.2
5290	3560.6	3543.4	-95.2	5291	3861.2	4685.2	-95.2	5292	3004.4	3365	-95.2	5293	3003.2	4120.8	-95.2
5294	2291.2	2902.6	-95.1	5295	3169.5	4247.9	-95.1	5296	2988.8	4406.2	-95	5297	2251.2	3728.7	-95
5298	3003.2	4078.5	-95	5299	2291.2	2944.7	-94.9	5300	3210.9	4248	-94.9	5301	3003.3	4036.4	-94.8
5302	2988.8	4446	-94.8	5303	3861.2	4645.1	-94.8	5304	3252	4248	-94.8	5305	2291.2	2987.1	-94.7
5306	4480.6	4926	-94.7	5307	5513.5	3543.5	-94.7	5308	2947.2	4564.8	-94.7	5309	2243.7	883.6	-94.7
5310	3008.7	1277.2	-94.6	5311	3292.5	4248.1	-94.6	5312	3003.4	3994.4	-94.6	5313	2291.2	3029.8	-94.6
5314	2988.8	4485.6	-94.5	5315	3332	4248.2	-94.5	5316	2251.2	3601.7	-94.4	5317	3003.4	3952.8	-94.4
5318	2291.2	3072.6	-94.4	5319	3861.2	4604.9	-94.3	5320	3370.9	4248.2	-94.3	5321	2251.2	3753.8	-94.2
5322	3003.5	3911.2	-94.2	5323	2291.2	3115.3	-94.2	5324	2988.8	4525.2	-94.2	5325	3409.4	4248.3	-94.2
5326	3003.6	3869.8	-94	5327	2291.2	3158.2	-94	5328	3447.8	4248.4	-94	5329	3004.5	3323.7	-93.9
5330	2243.7	843.5	-93.9	5331	2277.3	843.5	-93.9	5332	2312.6	843.5	-93.9	5333	2349.5	843.5	-93.9
5334	2387.4	843.5	-93.9	5335	2426	843.5	-93.9	5336	2465.1	843.5	-93.9	5337	2504.8	843.5	-93.9
5338	2545.3	843.5	-93.9	5339	2586.3	843.5	-93.9	5340	2627.4	843.5	-93.9	5341	2668.2	843.5	-93.9
5342	2708.3	843.5	-93.9	5343	2747.3	843.5	-93.9	5344	2785.7	843.5	-93.9	5345	2823.7	843.5	-93.9
5346	2502.2	1204.6	-93.9	5347	2508.1	1204.6	-93.9	5348	2507.5	1241.8	-93.9	5349	2506.9	1278.9	-93.9
5350	2506.4	1316.1	-93.9	5351	2505.8	1353.2	-93.9	5352	2505.3	1390.4	-93.9	5353	2504.7	1427.5	-93.9
5354	2504.1	1464.7	-93.9	5355	2251.2	3201	-93.9	5356	2291.2	3201	-93.9	5357	3003.7	3828.5	-93.9
5358	3486.2	4248.4	-93.9	5359	3486.2	4288	-93.9	5360	3486.2	4327.5	-93.9	5361	3486.1	4367.1	-93.9
5362	3486.1	4406.6	-93.9	5363	3486.1	4446.2	-93.9	5364	3486.1	4485.7	-93.9	5365	3486.1	4525.3	-93.9
5366	2988.8	4564.8	-93.9	5367	3486.1	4564.8	-93.9	5368	3525.1	4564.8	-93.9	5369	3563.8	4564.8	-93.9
5370	3601.7	4564.8	-93.9	5371	3639.1	4564.8	-93.9	5372	3676.3	4564.8	-93.9	5373	3713.3	4564.8	-93.9
5374	3750.3	4564.8	-93.9	5375	3787.3	4564.8	-93.9	5376	3824.2	4564.8	-93.9	5377	3861.2	4564.8	-93.9
5378	3898.9	4564.8	-93.9	5379	3936.6	4564.8	-93.9	5380	3974.3	4564.8	-93.9	5381	4012	4564.8	-93.9
5382	4049.7	4564.8	-93.9	5383	4087.4	4564.8	-93.9	5384	4125.3	4564.8	-93.9	5385	4163.3	4564.8	-93.9
5386	4201.6	4564.8	-93.9	5387	4240	4564.8	-93.9	5388	4278.6	4564.8	-93.9	5389	4317.3	4564.8	-93.9
5390	4356.3	4564.8	-93.9	5391	4395.9	4564.8	-93.9	5392	4436.5	4564.8	-93.9	5393	4478.5	4564.8	-93.9

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
5394	4521.4	4564.8	-93.9	5395	4521.4	4604.9	-93.9	5396	4521.4	4645.1	-93.9	5397	4521.4	4685.2	-93.9
5398	4521.4	4725.3	-93.9	5399	4521.4	4765.5	-93.9	5400	4521.4	4805.6	-93.9	5401	4521.4	4845.7	-93.9
5402	4521.4	4885.8	-93.9	5403	4521.4	4926	-93.9	5404	2962.2	3201	-93.8	5405	3447.9	4564.8	-93.5
5406	2535.7	1204.6	-93.2	5407	3518.8	3543.4	-93.2	5408	2251.2	3623.9	-93.1	5409	3409.7	4564.8	-92.9
5410	2570.2	1204.6	-92.8	5411	3004.1	3574.2	-92.6	5412	3004.6	3282.7	-92.6	5413	3008.7	2375.6	-92.6
5414	2641.4	1204.6	-92.5	5415	2605.3	1204.6	-92.5	5416	3477.6	3543.4	-92.4	5417	3283.8	3543.4	-92.3
5418	3438.1	3543.4	-92.3	5419	3322.8	3543.4	-92.3	5420	3361.3	3543.4	-92.2	5421	2251.2	3703.9	-92.2
5422	3399.6	3543.4	-92.2	5423	2677.7	1204.6	-92.2	5424	3371.4	4564.8	-92.2	5425	2714.5	1204.6	-91.8
5426	2251.2	3235.2	-91.7	5427	3244.4	3543.4	-91.6	5428	3164.1	3543.4	-91.6	5429	3204.4	3543.4	-91.6
5430	3123.7	3543.4	-91.6	5431	3004.6	3241.6	-91.5	5432	3083.5	3543.4	-91.5	5433	3008.7	2455.2	-91.2
5434	3043.7	3543.4	-91.2	5435	2751.7	1204.6	-91.1	5436	3332.9	4564.8	-91	5437	2251.2	3651.9	-90.7
5438	2823.7	1194.6	-90.7	5439	2860.7	1194.6	-90.7	5440	2897.7	1194.6	-90.7	5441	2934.7	1194.6	-90.7
5442	2971.7	1194.6	-90.7	5443	3008.7	1194.6	-90.7	5444	2823.7	1204.6	-90.7	5445	3004.7	3201	-90.7
5446	3004.1	3541.7	-90.7	5447	5598.7	3543.5	-90.7	5448	5598.7	3582.1	-90.7	5449	5598.7	3620.8	-90.7
5450	5598.7	3659.4	-90.7	5451	5598.7	3698	-90.7	5452	5598.7	3736.7	-90.7	5453	5598.7	3775.2	-90.7
5454	5598.7	3813.7	-90.7	5455	5598.7	3852	-90.7	5456	5598.7	3890.3	-90.7	5457	5598.7	3928.5	-90.7
5458	5636.2	3928.5	-90.7	5459	5674.5	3928.5	-90.7	5460	5714.4	3928.5	-90.7	5461	5755.4	3928.5	-90.7
5462	5797.1	3928.5	-90.7	5463	5839.7	3928.5	-90.7	5464	5883.7	3928.5	-90.7	5465	5598.7	3966	-90.7
5466	5883.7	3969.5	-90.7	5467	5598.7	4004.1	-90.7	5468	5883.7	4010.5	-90.7	5469	5598.7	4043.3	-90.7
5470	5883.7	4051.5	-90.7	5471	5598.7	4083.1	-90.7	5472	5883.7	4092.6	-90.7	5473	5598.7	4123.2	-90.7
5474	5883.7	4133.6	-90.7	5475	5598.7	4163.4	-90.7	5476	5883.7	4174.6	-90.7	5477	5598.7	4203.4	-90.7
5478	5883.7	4215.6	-90.7	5479	5598.7	4243.1	-90.7	5480	5883.7	4256.6	-90.7	5481	5598.7	4282.3	-90.7
5482	5883.7	4297.7	-90.7	5483	5598.7	4321	-90.7	5484	5883.7	4338.7	-90.7	5485	5598.7	4359.4	-90.7
5486	5883.7	4379.7	-90.7	5487	5598.7	4397.5	-90.7	5488	5883.7	4420.7	-90.7	5489	5598.7	4435.4	-90.7
5490	5883.7	4461.8	-90.7	5491	5598.7	4473.2	-90.7	5492	5883.7	4502.8	-90.7	5493	5598.7	4511	-90.7
5494	5883.7	4543.8	-90.7	5495	5598.7	4548	-90.7	5496	5598.7	4564.8	-90.7	5497	5598.7	4584.8	-90.7
5498	5637.6	4584.8	-90.7	5499	5676.8	4584.8	-90.7	5500	5716.8	4584.8	-90.7	5501	5757.4	4584.8	-90.7
5502	5798.6	4584.8	-90.7	5503	5840.9	4584.8	-90.7	5504	5883.7	4584.8	-90.7	5505	2788.3	1204.6	-90.6
5506	3024.9	4564.8	-90.4	5507	2251.2	3272.1	-90.3	5508	3750.5	3543.4	-90.3	5509	2251.2	3679.1	-90.1
5510	3008.7	2330.2	-90	5511	3008.7	3160.9	-89.9	5512	2918.3	3201	-89.8	5513	3294.2	4564.8	-89.5
5514	2251.2	3309.2	-88.5	5515	3255.3	4564.8	-87.7	5516	3061.4	4564.8	-87.2	5517	3008.7	3115.2	-86.8
5518	2251.2	3347.2	-86.6	5519	5553.2	3543.5	-86.1	5520	3008.7	1237.2	-85.9	5521	3216	4564.8	-85.7
5522	2251.2	3385.9	-85.1	5523	3098.7	4564.8	-84.8	5524	2251.2	3424.8	-84.7	5525	3176.6	4564.8	-84.1
5526	2251.2	3464.2	-84.1	5527	3137.3	4564.8	-83.8	5528	2874.4	3201	-83.7	5529	2251.2	3504.1	-82.8
5530	2823.7	911.9	-81.5	5531	2834	3201	-81.3	5532	2823.7	1140.6	-81	5533	4581.1	4564.8	-80.6
5534	2352.5	3201	-80.5	5535	5538.3	4564.8	-79.7	5536	2251.2	3542.9	-79.7	5537	2794.3	3201	-79.7
5538	2251.2	3583	-79.5	5539	3598.9	3543.4	-79.4	5540	2679.3	3201	-79.4	5541	2642.9	3201	-78.9
5542	2716.3	3201	-78.7	5543	2823.7	937.2	-78.5	5544	2754.8	3201	-78.3	5545	5117.4	4564.8	-78.2
5546	2823.7	1115.5	-78.2	5547	5080.1	4564.8	-78	5548	4814.8	4564.8	-78	5549	2607.1	3201	-77.9
5550	5154.5	4564.8	-77.8	5551	2823.7	970.9	-77.6	5552	2823.7	1080.9	-77.6	5553	4852.4	4564.8	-77.6
5554	4604.3	4564.8	-77.6	5555	5191.6	4564.8	-77.5	5556	5042.6	4564.8	-77.5	5557	4777.5	4564.8	-77.4
5558	5228.5	4564.8	-77.4	5559	4928.5	4564.8	-77.3	5560	4890.4	4564.8	-77.3	5561	2471.4	3201	-77.3
5562	5004.8	4564.8	-77.3	5563	4966.7	4564.8	-77.3	5564	5265.4	4564.8	-77.3	5565	5302.2	4564.8	-77.2
5566	5514.7	4564.8	-77	5567	4704.6	4564.8	-77	5568	2439.3	3201	-76.9	5569	5339	4564.8	-76.9
5570	2376	3201	-76.8	5571	2571.9	3201	-76.7	5572	4740.5	4564.8	-76.7	5573	2503.9	3201	-76.7
5574	2823.7	1044.4	-76.7	5575	5375.6	4564.8	-76.6	5576	2823.7	1006.9	-76.5	5577	5412	4564.8	-76.4
5578	3627.5	3543.4	-76.3	5579	2537.4	3201	-76.2	5580	4635.3	4564.8	-76.1	5581	5483	4564.8	-75.7
5582	4669.2	4564.8	-75.7	5583	2407.1	3201	-75.7	5584	5448.1	4564.8	-75.6	5585	3008.7	2411.3	-75.4
5586	3008.7	2311.4	-75.1	5587	3008.7	2289.7	-75.1	5588	2251.2	3729.3	-75	5589	4505	3543.4	-73.7
5590	4464.5	3543.4	-73.7	5591	4424	3543.4	-73.7	5592	3008.7	1825	-73.7	5593	4545.6	3543.4	-73.6
5594	3008.7	1865.6	-73.6	5595	4383.3	3543.4	-73.6	5596	3008.7	1906.3	-73.6	5597	3008.7	1784.9	-73.6
5598	5045.3	3543.5	-73.6	5599	3008.7	1626.6	-73.5	5600	4343	3543.4	-73.5	5601	3008.7	1745.7	-73.5
5602	4586	3543.4	-73.5	5603	3008.7	1586.8	-73.5	5604	3008.7	1666.8	-73.5	5605	3996.3	3543.4	-73.5
5606	4036.3	3543.4	-73.5	5607	5085.2	3543.5	-73.5	5608	3008.7	1706.6	-73.5	5609	5005	3543.5	-73.5
5610	3008.7	1547.7	-73.5	5611	3008.7	1946.4	-73.5	5612	4075.6	3543.4	-73.5	5613	3661.9	3543.4	-73.5
5614	5123.9	3543.5	-73.4	5615	3956.2	3543.4	-73.4	5616	4304.1	3543.4	-73.4	5617	4965.4	3543.5	-73.4
5618	4625.4	3543.4	-73.4	5619	3008.7	1509.1	-73.4	5620	4114.3	3543.4	-73.4	5621	3008.7	1985.2	-73.4
5622	3008.7	1470.8	-73.3	5623	4663.5	3543.4	-73.3	5624	4738.8	3543.5	-73.3	5625	3008.7	1432.2	-73.3
5626	4152.7	3543.4	-73.3	5627	4701	3543.5	-73.3	5628	5351.2	3543.5	-73.3	5629	5162	3543.5	-73.3
5630	3008.7	1393.5	-73.3	5631	4266.1	3543.4	-73.3	5632	4777.5	3543.5	-73.3	5633	5390.1	3543.5	-73.3
5634	5312.8	3543.5	-73.3	5635	4927.5	3543.5	-73.3	5636	4190.8	3543.4	-73.3	5637	5274.8	3543.5	-73.3
5638	3008.7	2656.3	-73.3	5639	4228.5	3543.4	-73.3	5640	4816.1	3543.5	-73.3	5641	3916.8	3543.4	-73.3
5642	3008.7	2616.9	-73.2	5643	3008.7	2022.3	-73.2	5644	5199.5	3543.5	-73.2	5645	4890.4	3543.5	-73.2
5646	5237	3543.5	-73.2	5647	4853.5	3543.5	-73.2	5648	3008.7	2695.4	-73.2	5649	3008.7	2059	-73.2
5650	3008.7	2096.9	-73.2	5651	3008.7	2135.6	-73.2	5652	3008.7	2733.1	-73.1	5653	5429.8	3543.5	-73.1
5654	3008.7	2769.7	-73.1	5655	3008.7	1355.1	-73	5656	3008.7	2950.7	-73	5657	3008.7	2877.8	-73
5658	3878.8	3543.4	-72.9	5659	3008.7	2913.9	-72.9	5660	3008.7	2579	-72.9	5661	3008.7	2841.9	-72.9
5662	3008.7	2805.9	-72.9	5663	3008.7	2174.3	-72.8	5664	3008.7	2987.8	-72.8	5665	3841.5	3543.4	-72.3
5666	3008.7	3025	-72.1	5667	5469.2	3543.5	-72.1	5668	3008.7	2542.3	-72.1	5669	3008.7	1318	-71.9
5670	3008.7	2213.8	-71.8	5671	2251.2	3618.2	-71.7	5672	3008.7	3061.1	-70.8	5673	2251.2	3708.4	-70.5
5674	3696.8	3543.4	-70.4	5675	3008.7	2506.9	-70.3	5676	5503.9	3543.5	-70.2	5677	3805	3543.4	-70.1
5678	3008.7	1284.2	-70.1	5679	3008.7	2256.7	-69.1	5680	3008.7	2436.1	-68.7	5681	3008.7	3089.3	-68.6
5682	2251.2	3650.3	-68.6	5683	2251.2	3680.8	-67.8	5684	5531	3543.5	-67.6	5685	3008.7	1257.5	-67.5
5686	2453.6	4564.8	-67.3	5687	2492.7	4564.8	-67.2	5688	2414.3	4564.8	-66.7	5689	2532.3	4564.8	-66.5
5690	3008.7	2474.6	-66.3	5691	3729.6	3543.4	-65.5	5692	3771.1	3543.4	-65.5	5693	2374.4	4564.8	-65.5
5694	2573.2	4564.8	-65	5695	2334.4	4564.8	-64.1	5696	2614.5	4564.8	-63.6	5697	3008.7	2313.1	-62.9
5698	2295	4564.8	-62.8	5699	2655.9	4564.8	-62.4	5700	3573	3543.4	-61.8	5701	2257.3	4564.8	-61.7
5702	2823.7	1161	-61.6	5703	2243.7	1204.6	-61.6	5704	2243.7	1248	-61.6	5705	2243.7	1291.4	-61.6
5706	2243.7	1334.8	-61.6	5707	2243.7	1378.2	-61.6	5708	2243.7	1421.5	-61.6	5709	2243.7	1464.7	-61.6
5710	2291.2	1464.7	-61.6	5711	2291.2	1504.2	-61.5	5712	2697.3	4564.8	-61.5	5713	2823.7	892.1	-61.4
5714	2291.2	1543.7	-61.4	5715	2286.2	1204.6	-61.3	5716	2291.2	1583.3	-61.3	5717	2698.2	4284.1	-61.3
5718	2698.1	4324.9	-61.3	5719	2698.3	4243.2	-61.3	5720	2698.1	4365.4	-61.3	5721	2291.2	1622.8	-61.2
5722	2698.4	4201.8	-61.2	5723	2333.2	3201	-61.2	5724	2698	4405.8	-61.2	5725	2698.5	4160.3	-61.2
5726	2243.7	1164.5	-61.2	5727	2291.2	1662.3	-61.2	5728	2698.6	4118.8	-61.1	5729	2697.9	4446.1	-61.1
5730	2698.7	4077.3	-61.1	5731	2291.2	1701.8	-61.1	5732	2697.8	4486.4	-61	5733	2328.7	1204.6	-61
5734	2698.8	4035.8	-61	5735	2291.2	1741.2	-61	5736	5557.6	4564.8	-61	5737	2698.8	3994.3	-60.9
5738	2697.7	4526.9	-60.9	5739	2291.2	1780.5	-60.9	5740	2775.5	3828.5	-60.9	5741	2698.9	3952.8	-60.9
5742	2333.8	1464.7	-60.9	5743	2291.2	1819.4	-60.8	5744	2737.3	3828.5	-60.8	5745	2813.8	3828.5	-60.8
5746	2699	3911.4	-60.8	5747	2697.6	4568	-60.8	5748	4561.3	4564.8	-60.8	5749	2243.7	1124.4	-60.8
5750	3003.8	3741.8	-60.8	5751	2739	4564.8	-60.8	5752	2699.1	3869.9	-60.8	5753	2291.2	1858.1	-60.7
5754	2251.2	3790.1	-60.7	5755	2699.2	3828.5	-60.7	5756	2220.2	4564.8	-60.7	5757	2697.5	4610.9	-60.7
5758	2291.2	4611	-60.7	5759	2291.2	1896.7	-60.7	5760	2291.2	4567.3	-60.6	5761	2852	3828.5	-60.6
5762	2291.2	1935.3	-60.6	5763	2371.5	1204.6	-60.6	5764	3003.7	3785.3	-60.6	5765	2658.4	3828.5	-60.5
5766	2291.2	4525.6	-60.5	5767	2291.2	1973.9	-60.5	5768	2291.2	4484.5	-60.4	5769	2291.2	2012.6	-60.4
5770	2243.7	1084.2	-60.4	5771	2617.5	3828.5	-60.4	5772	2291.2	2051.5	-60.3	5773	2291.2	4443.8	-60.3
5774	2291.2	2090.8	-60.3	5775	2291.2	4403.3	-60.2	5776	2576.7	3828.5	-60.2	5777	2780.7	4564.8	-60.2
5778	2291.2	2130.4	-60.2	5779	2291.2	4362.8	-60.2	5780	2890.2	3828.5	-60.2	5781	2376.4	1464.7	-60.1
5782	2291.2	2170	-60.1	5783	2291.2	4322.3	-60.1	5784	4086.9	4926	-60	5785	4124.7	4926	-60

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
5786	4049.1	4926	-60	5787	2535.9	3828.5	-60	5788	4162.8	4926	-60	5789	2291.2	2209.6	-60
5790	3861.2	4926	-60	5791	4011.4	4926	-60	5792	2251.2	3749.8	-60	5793	3898.6	4926	-60
5794	2291.2	4281.7	-60	5795	3973.7	4926	-60	5796	3936.1	4926	-60	5797	2243.7	1044.1	-60
5798	4201.8	4926	-59.9	5799	2291.2	2249.3	-59.9	5800	2291.2	4241	-59.9	5801	3003.9	3697	-59.9
5802	2414.7	1204.6	-59.9	5803	2495.1	3828.5	-59.9	5804	2291.2	2289.2	-59.8	5805	4241.2	4926	-59.8
5806	2291.2	4199.9	-59.8	5807	3861.2	4885.8	-59.8	5808	2291.2	2329.2	-59.8	5809	4280.8	4926	-59.7
5810	2454.3	3828.5	-59.7	5811	2822.3	4564.8	-59.7	5812	2291.2	2369.9	-59.7	5813	2291.2	4158.7	-59.7
5814	2291.2	2410.8	-59.6	5815	2291.2	4117.5	-59.5	5816	2243.7	1004	-59.5	5817	3861.2	4845.7	-59.5
5818	2928.1	3828.5	-59.5	5819	4320.6	4926	-59.5	5820	2413.5	3828.5	-59.5	5821	2291.2	2451.8	-59.5
5822	3008.7	2454.7	-59.5	5823	2291.2	4076.2	-59.5	5824	2291.2	2492.8	-59.4	5825	2419	1464.7	-59.4
5826	2291.2	4034.9	-59.4	5827	3003.9	3653.5	-59.4	5828	2372.7	3828.5	-59.3	5829	2291.2	2533.8	-59.3
5830	3861.2	4805.6	-59.3	5831	4360.5	4926	-59.3	5832	2291.2	3993.6	-59.3	5833	2291.2	2574.9	-59.2
5834	2291.2	3952.3	-59.2	5835	2864	4564.8	-59.2	5836	2331.9	3828.5	-59.2	5837	2291.2	3911	-59.2
5838	2291.2	2615.8	-59.2	5839	2243.7	963.8	-59.1	5840	3522.3	3543.4	-59.1	5841	2291.2	3869.7	-59.1
5842	3861.2	4765.5	-59.1	5843	2291.2	2656.7	-59.1	5844	4400.5	4926	-59	5845	2251.2	3828.5	-59
5846	2291.2	3828.5	-59	5847	2206.2	3861	-59	5848	2291.2	2697.5	-59	5849	3004	3613.5	-59
5850	2458.1	1204.6	-59	5851	3008.7	2383.4	-59	5852	2291.2	2738.3	-58.9	5853	2988.7	4247.6	-58.9
5854	3002.9	4247.6	-58.9	5855	3861.2	4725.3	-58.8	5856	2291.2	2779.1	-58.8	5857	2988.7	4287.2	-58.8
5858	2905.6	4564.8	-58.8	5859	3044.7	4247.7	-58.8	5860	3003	4205.3	-58.8	5861	2965.9	3828.5	-58.8
5862	2243.7	923.7	-58.7	5863	2291.2	2819.9	-58.7	5864	2988.7	4326.8	-58.7	5865	3086.5	4247.8	-58.7
5866	4440.7	4926	-58.7	5867	3003.1	4163	-58.7	5868	2461.6	1464.7	-58.7	5869	2291.2	2860.9	-58.6
5870	3861.2	4685.2	-58.6	5871	3128.3	4247.8	-58.6	5872	2988.8	4366.5	-58.6	5873	3003.2	4120.7	-58.6
5874	2291.2	2902.3	-58.6	5875	3170	4247.9	-58.5	5876	2988.8	4406.2	-58.5	5877	3003.2	4078.4	-58.5
5878	2291.2	2944.5	-58.5	5879	3211.6	4248	-58.5	5880	3003.3	4036.2	-58.4	5881	3861.2	4645.1	-58.4
5882	3253	4248	-58.4	5883	2291.2	2987.1	-58.4	5884	2988.8	4445.9	-58.4	5885	2947.2	4564.8	-58.4
5886	3478.1	3543.4	-58.3	5887	2243.7	883.6	-58.3	5888	4481	4926	-58.3	5889	3008.7	2296.1	-58.3
5890	3293.7	4248.1	-58.3	5891	3003.4	3994.1	-58.3	5892	2291.2	3029.8	-58.3	5893	2988.8	4485.6	-58.2
5894	3332.9	4248.2	-58.2	5895	3003.4	3952.5	-58.2	5896	2291.2	3072.6	-58.2	5897	3289.1	3543.4	-58.2
5898	3861.2	4604.9	-58.2	5899	3371.5	4248.2	-58.2	5900	3327.7	3543.4	-58.1	5901	3003.5	3911.1	-58.1
5902	3439.3	3543.4	-58.1	5903	2291.2	3115.4	-58.1	5904	3365	3543.4	-58.1	5905	2988.8	4525.2	-58.1
5906	3004.4	3367.3	-58.1	5907	3409.8	4248.3	-58.1	5908	3402	3543.4	-58.1	5909	3003.6	3869.8	-58
5910	2291.2	3158.2	-58	5911	3448	4248.4	-58	5912	2243.7	843.5	-57.9	5913	2275.4	843.5	-57.9
5914	2311	843.5	-57.9	5915	2348.3	843.5	-57.9	5916	2386.3	843.5	-57.9	5917	2424.9	843.5	-57.9
5918	2464	843.5	-57.9	5919	2503.5	843.5	-57.9	5920	2544.4	843.5	-57.9	5921	2585.8	843.5	-57.9
5922	2627.2	843.5	-57.9	5923	2668.5	843.5	-57.9	5924	2709	843.5	-57.9	5925	2747.8	843.5	-57.9
5926	2785.9	843.5	-57.9	5927	2823.7	843.5	-57.9	5928	2501.7	1204.6	-57.9	5929	2508.1	1204.6	-57.9
5930	2507.5	1241.8	-57.9	5931	2506.9	1278.9	-57.9	5932	2506.4	1316.1	-57.9	5933	2505.8	1353.2	-57.9
5934	2505.3	1390.4	-57.9	5935	2504.7	1427.5	-57.9	5936	2504.1	1464.7	-57.9	5937	2251.2	3201	-57.9
5938	2291.2	3201	-57.9	5939	3003.7	3828.5	-57.9	5940	3486.2	4248.4	-57.9	5941	3486.2	4288	-57.9
5942	3486.2	4327.5	-57.9	5943	3486.1	4367.1	-57.9	5944	3486.1	4406.6	-57.9	5945	3486.1	4446.2	-57.9
5946	3486.1	4485.7	-57.9	5947	3486.1	4525.3	-57.9	5948	2988.8	4564.8	-57.9	5949	3486.1	4564.8	-57.9
5950	3525.5	4564.8	-57.9	5951	3564.5	4564.8	-57.9	5952	3602.2	4564.8	-57.9	5953	3639.5	4564.8	-57.9
5954	3676.5	4564.8	-57.9	5955	3713.5	4564.8	-57.9	5956	3750.4	4564.8	-57.9	5957	3787.4	4564.8	-57.9
5958	3824.3	4564.8	-57.9	5959	3861.2	4564.8	-57.9	5960	3898.8	4564.8	-57.9	5961	3936.4	4564.8	-57.9
5962	3974	4564.8	-57.9	5963	4011.6	4564.8	-57.9	5964	4049.2	4564.8	-57.9	5965	4086.8	4564.8	-57.9
5966	4124.5	4564.8	-57.9	5967	4162.4	4564.8	-57.9	5968	4200.7	4564.8	-57.9	5969	4239.2	4564.8	-57.9
5970	4277.8	4564.8	-57.9	5971	4316.4	4564.8	-57.9	5972	4355.3	4564.8	-57.9	5973	4394.6	4564.8	-57.9
5974	4434.9	4564.8	-57.9	5975	4477.7	4564.8	-57.9	5976	4521.4	4564.8	-57.9	5977	4521.4	4604.9	-57.9
5978	4521.4	4645.1	-57.9	5979	4521.4	4685.2	-57.9	5980	4521.4	4725.3	-57.9	5981	4521.4	4765.5	-57.9
5982	4521.4	4805.6	-57.9	5983	4521.4	4845.7	-57.9	5984	4521.4	4885.8	-57.9	5985	4521.4	4926	-57.9
5986	3004.4	3406.9	-57.8	5987	3448	4564.8	-57.7	5988	3249.3	3543.4	-57.7	5989	3167.1	3543.4	-57.6
5990	3125.4	3543.4	-57.6	5991	3208.6	3543.4	-57.6	5992	3750.1	3543.4	-57.5	5993	3409.9	4564.8	-57.5
5994	2535.8	1204.6	-57.5	5995	3004.3	3449.4	-57.4	5996	3004.2	3494.9	-57.4	5997	3004.5	3326.5	-57.3
5998	3004.1	3575.9	-57.3	5999	2570.7	1204.6	-57.3	6000	3084.2	3543.4	-57.3	6001	3371.8	4564.8	-57.1
6002	2605.7	1204.6	-57.1	6003	3044	3543.4	-56.8	6004	2641.2	1204.6	-56.8	6005	2251.2	3237.2	-56.7
6006	3333.5	4564.8	-56.6	6007	3004.6	3285.3	-56.5	6008	2962.6	3201	-56.5	6009	2677.1	1204.6	-56.5
6010	2823.7	1194.6	-56.3	6011	2860.7	1194.6	-56.3	6012	2897.7	1194.6	-56.3	6013	2934.7	1194.6	-56.3
6014	2971.7	1194.6	-56.3	6015	3008.7	1194.6	-56.3	6016	2823.7	1204.6	-56.3	6017	3004.7	3201	-56.3
6018	3004.1	3540.1	-56.3	6019	5598.7	3543.5	-56.3	6020	5598.7	3582.3	-56.3	6021	5598.7	3621	-56.3
6022	5598.7	3659.8	-56.3	6023	5598.7	3698.6	-56.3	6024	5598.7	3737.4	-56.3	6025	5598.7	3776.1	-56.3
6026	5598.7	3814.6	-56.3	6027	5598.7	3852.7	-56.3	6028	5598.7	3890.6	-56.3	6029	5598.7	3928.5	-56.3
6030	5632.5	3928.5	-56.3	6031	5667.6	3928.5	-56.3	6032	5707.3	3928.5	-56.3	6033	5748.7	3928.5	-56.3
6034	5791.1	3928.5	-56.3	6035	5835.1	3928.5	-56.3	6036	5883.7	3928.5	-56.3	6037	5598.7	3963.9	-56.3
6038	5883.7	3969.5	-56.3	6039	5598.7	4000.4	-56.3	6040	5883.7	4010.5	-56.3	6041	5598.7	4040.1	-56.3
6042	5883.7	4051.5	-56.3	6043	5598.7	4080.9	-56.3	6044	5883.7	4092.6	-56.3	6045	5598.7	4122.1	-56.3
6046	5883.7	4133.6	-56.3	6047	5598.7	4163.4	-56.3	6048	5883.7	4174.6	-56.3	6049	5598.7	4204.5	-56.3
6050	5883.7	4215.6	-56.3	6051	5598.7	4245	-56.3	6052	5883.7	4256.6	-56.3	6053	5598.7	4283.8	-56.3
6054	5883.7	4297.7	-56.3	6055	5598.7	4322	-56.3	6056	5883.7	4338.7	-56.3	6057	5598.7	4359.8	-56.3
6058	5883.7	4379.7	-56.3	6059	5598.7	4396.6	-56.3	6060	5883.7	4420.7	-56.3	6061	5598.7	4433.2	-56.3
6062	5883.7	4461.8	-56.3	6063	5598.7	4469.8	-56.3	6064	5883.7	4502.8	-56.3	6065	5598.7	4506.8	-56.3
6066	5883.7	4543.8	-56.3	6067	5598.7	4545.6	-56.3	6068	5598.7	4564.8	-56.3	6069	5598.7	4584.8	-56.3
6070	5635.5	4584.8	-56.3	6071	5672.8	4584.8	-56.3	6072	5712.3	4584.8	-56.3	6073	5752.6	4584.8	-56.3
6074	5794.1	4584.8	-56.3	6075	5838.5	4584.8	-56.3	6076	5883.7	4584.8	-56.3	6077	3026.2	4564.8	-56.3
6078	2713.4	1204.6	-56.1	6079	3295.1	4564.8	-55.8	6080	2251.2	3274.4	-55.8	6081	3008.7	3164.6	-55.8
6082	3008.7	2275.8	-55.6	6083	2787.4	1204.6	-55.6	6084	3004.6	3243	-55.6	6085	2750.7	1204.6	-55.4
6086	3008.7	2331.7	-55.2	6087	3256.5	4564.8	-55	6088	3063.8	4564.8	-54.9	6089	2920.1	3201	-54.7
6090	2251.2	3312	-54.6	6091	3217.7	4564.8	-54.1	6092	3101.7	4564.8	-53.8	6093	3178.9	4564.8	-53.5
6094	3140.1	4564.8	-53.3	6095	3008.7	3126.7	-53.2	6096	2251.2	3350.1	-53.1	6097	2251.2	3388.6	-53.1
6098	2251.2	3427.1	-53	6099	2823.7	1121.8	-52.8	6100	5563.6	3543.5	-52.8	6101	2823.7	933.4	-52.8
6102	3008.7	1225.9	-52.7	6103	2251.2	3465.8	-52.2	6104	4598	4564.8	-52.1	6105	5520.7	4564.8	-52.1
6106	2371.9	3201	-51.9	6107	3618.4	3543.4	-51.9	6108	2251.2	3504.5	-51.8	6109	2877.5	3201	-51.7
6110	2251.2	3542.7	-50.3	6111	2678.1	3201	-50.2	6112	2823.7	1084	-50.1	6113	2823.7	970.6	-50.1
6114	2835.8	3201	-50	6115	2642.2	3201	-49.9	6116	2407.5	3201	-49.6	6117	4632.7	4564.8	-49.4
6118	2251.2	3716	-49.3	6119	2714.9	3201	-49.3	6120	5485.2	4564.8	-49.3	6121	2606.7	3201	-49.2
6122	5080.2	4564.8	-49.2	6123	2823.7	1045.8	-49.1	6124	2251.2	3580.1	-48.9	6125	4740	4564.8	-48.9
6126	5117.3	4564.8	-48.9	6127	4703.7	4564.8	-48.8	6128	2439.8	3201	-48.8	6129	2795	3201	-48.7
6130	4667.9	4564.8	-48.7	6131	5154.3	4564.8	-48.7	6132	2823.7	1007.6	-48.6	6133	2471.3	3201	-48.6
6134	2754.4	3201	-48.5	6135	3008.7	2423.4	-48.5	6136	5449.1	4564.8	-48.4	6137	5043	4564.8	-48.4
6138	5412.5	4564.8	-48.2	6139	3008.7	3091.7	-48.1	6140	4814.9	4564.8	-48.1	6141	5264.9	4564.8	-48.1
6142	5191.2	4564.8	-48.1	6143	5228.1	4564.8	-48	6144	4777.2	4564.8	-47.9	6145	3655.1	3543.4	-47.9
6146	4929	4564.8	-47.9	6147	4890.8	4564.8	-47.9	6148	4852.8	4564.8	-47.9	6149	4967.1	4564.8	-47.8
6150	5005.2	4564.8	-47.8	6151	2571.5	3201	-47.7	6152	5301.8	4564.8	-47.7	6153	5338.7	4564.8	-47.7
6154	5375.7	4564.8	-47.6	6155	4467.7	3543.4	-47.5	6156	4508.4	3543.4	-47.5	6157	3008.7	1825	-47.5
6158	3008.7	1866.8	-47.5	6159	4426.8	3543.4	-47.5	6160	4550	3543.4	-47.4	6161	3008.7	1784.1	-47.4
6162	4591.4	3543.4	-47.4	6163	5085	3543.5	-47.4	6164	3008.7	1585.3	-47.4	6165	4384.5	3543.4	-47.4
6166	4042.2	3543.4	-47.4	6167	5043.9	3543.5	-47.4	6168	3008.7	1626.1	-47.4	6169	3008.7	1745.9	-47.3
6170	4001.2	3543.4	-47.3	6171	3008.7	1908.6	-47.3	6172	4081.1	3543.4	-47.3	6173	3008.7	1546.8	-47.3
6174	3008.7	1667.4	-47.3	6175	4631.7	3543.4	-47.3	6176	5123	3543.5	-47.3	6177	3008.7	1707.8	-47.3

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
6178	4342.9	3543.4	-47.3	6179	5002.3	3543.5	-47.3	6180	4119.3	3543.4	-47.2	6181	3960	3543.4	-47.2
6182	3008.7	1509.1	-47.2	6183	4668.4	3543.4	-47.2	6184	5383.1	3543.5	-47.2	6185	3008.7	1949.6	-47.2
6186	4304.9	3543.4	-47.2	6187	4157.2	3543.4	-47.2	6188	5344.7	3543.5	-47.2	6189	3008.7	1433.1	-47.2
6190	3008.7	1394.5	-47.2	6191	5423.7	3543.5	-47.2	6192	3008.7	2618.6	-47.2	6193	3008.7	1471.6	-47.2
6194	5159.9	3543.5	-47.2	6195	4961.7	3543.5	-47.1	6196	4704.1	3543.5	-47.1	6197	3008.7	2659.4	-47.1
6198	4818.8	3543.5	-47.1	6199	5306.9	3543.5	-47.1	6200	4194.9	3543.4	-47.1	6201	4779.6	3543.5	-47.1
6202	4268.1	3543.4	-47.1	6203	4740.4	3543.5	-47.1	6204	4231.6	3543.4	-47.1	6205	3008.7	1988.8	-47.1
6206	4855	3543.5	-47.1	6207	3920	3543.4	-47.1	6208	5269.6	3543.5	-47.1	6209	3008.7	2023	-47.1
6210	3008.7	2095.1	-47.1	6211	3008.7	2056.9	-47.1	6212	3008.7	2134.1	-47.1	6213	4890.2	3543.5	-47.1
6214	5196.2	3543.5	-47.1	6215	4925.3	3543.5	-47.1	6216	5232.6	3543.5	-47	6217	3008.7	2979.4	-47
6218	3008.7	2699.9	-47	6219	3008.7	1356.5	-47	6220	2536.9	3201	-47	6221	3883.4	3543.4	-47
6222	2503.1	3201	-47	6223	3008.7	2943.1	-47	6224	3008.7	2581.9	-47	6225	3008.7	2736.2	-46.9
6226	3008.7	2171.4	-46.9	6227	5464.3	3543.5	-46.9	6228	3008.7	2771.1	-46.9	6229	3008.7	2907.6	-46.8
6230	3847.7	3543.4	-46.8	6231	5534.2	3543.5	-46.8	6232	3008.7	2873.4	-46.8	6233	3008.7	2805.4	-46.8
6234	3008.7	2839.5	-46.8	6235	3008.7	3054.9	-46.7	6236	3008.7	3016.3	-46.7	6237	3008.7	1252.1	-46.7
6238	3008.7	1319.3	-46.6	6239	3008.7	2546.9	-46.5	6240	5502	3543.5	-46.4	6241	3008.7	1284.2	-46.3
6242	3008.7	2208.6	-46.2	6243	3812.5	3543.4	-45.8	6244	2251.2	3683.4	-45.8	6245	3689.2	3543.4	-45.6
6246	2251.2	3615.7	-45.6	6247	3008.7	2513.3	-45.6	6248	2251.2	3650.1	-45.5	6249	3008.7	2244.8	-44.6
6250	3008.7	2481.7	-44.2	6251	3008.7	2300.9	-44.1	6252	3779.1	3543.4	-43.8	6253	3721.1	3543.4	-43.6
6254	3008.7	2453.3	-43.4	6255	3749.6	3543.4	-41.6	6256	3008.7	2274	-41.6	6257	2243.7	843.5	-22
6258	2269.9	843.5	-22	6259	2308.3	843.5	-22	6260	2346.6	843.5	-22	6261	2384.9	843.5	-22
6262	2423.7	843.5	-22	6263	2462.4	843.5	-22	6264	2501.2	843.5	-22	6265	2543.2	843.5	-22
6266	2585.2	843.5	-22	6267	2627.2	843.5	-22	6268	2669.2	843.5	-22	6269	2711.2	843.5	-22
6270	2748.7	843.5	-22	6271	2786.2	843.5	-22	6272	2818.7	843.5	-22	6273	2823.7	843.5	-22
6274	2243.7	848.5	-22	6275	2501.2	848.5	-22	6276	2711.2	848.5	-22	6277	2818.7	848.5	-22
6278	2243.7	883.6	-22	6279	2818.7	894.7	-22	6280	2823.7	897.2	-22	6281	2243.7	923.7	-22
6282	2818.7	929.8	-22	6283	2823.7	933.8	-22	6284	2243.7	959.2	-22	6285	2243.7	963.8	-22
6286	2818.7	964.8	-22	6287	2823.7	970.5	-22	6288	2243.7	997.8	-22	6289	2818.7	999.8	-22
6290	2243.7	1004	-22	6291	2823.7	1007.2	-22	6292	2243.7	1036.4	-22	6293	2818.7	1037.6	-22
6294	2243.7	1044.1	-22	6295	2823.7	1046.6	-22	6296	2243.7	1075	-22	6297	2818.7	1075.3	-22
6298	2243.7	1084.2	-22	6299	2823.7	1086.1	-22	6300	2818.7	1113	-22	6301	2243.7	1113.6	-22
6302	2243.7	1124.4	-22	6303	2823.7	1125.6	-22	6304	2818.7	1150.7	-22	6305	2243.7	1152.2	-22
6306	2243.7	1164.5	-22	6307	2823.7	1165.1	-22	6308	2243.7	1188.5	-22	6309	2501.2	1188.5	-22
6310	2711.2	1188.5	-22	6311	2818.7	1188.5	-22	6312	3008.7	1188.5	-22	6313	2782.9	1188.6	-22
6314	2747	1188.8	-22	6315	2676.2	1189	-22	6316	2641.2	1189.2	-22	6317	2606.2	1189.3	-22
6318	2571.2	1189.5	-22	6319	2536.2	1189.6	-22	6320	2458.3	1189.9	-22	6321	2415.4	1190.1	-22
6322	2372.4	1190.2	-22	6323	2329.5	1190.4	-22	6324	2286.6	1190.6	-22	6325	2823.7	1194.6	-22
6326	2860.7	1194.6	-22	6327	2897.7	1194.6	-22	6328	2934.7	1194.6	-22	6329	2971.7	1194.6	-22
6330	3008.7	1194.6	-22	6331	3013.7	1194.6	-22	6332	2221.2	1204.6	-22	6333	2243.7	1204.6	-22
6334	2286.6	1204.6	-22	6335	2329.5	1204.6	-22	6336	2372.4	1204.6	-22	6337	2415.4	1204.6	-22
6338	2530.6	1204.6	-22	6339	2458.3	1204.6	-22	6340	2501.2	1204.6	-22	6341	2508.1	1204.6	-22
6342	2536.2	1204.6	-22	6343	2571.2	1204.6	-22	6344	2606.2	1204.6	-22	6345	2641.2	1204.6	-22
6346	2676.2	1204.6	-22	6347	2711.2	1204.6	-22	6348	2748.7	1204.6	-22	6349	2786.2	1204.6	-22
6350	2823.7	1204.6	-22	6351	2479	1205	-22	6352	2427.4	1205.4	-22	6353	2324.3	1206.1	-22
6354	2272.8	1206.5	-22	6355	2206.9	1214.9	-22	6356	2243.7	1218.5	-22	6357	3008.7	1219.7	-22
6358	3013.7	1219.7	-22	6359	2221.2	1234.6	-22	6360	2507.5	1241.8	-22	6361	3008.7	1244.8	-22
6362	3013.7	1244.8	-22	6363	2529.9	1246.2	-22	6364	2243.7	1247.9	-22	6365	2221.2	1253.2	-22
6366	2506.9	1278.9	-22	6367	3008.7	1282.3	-22	6368	3013.7	1282.3	-22	6369	2529.3	1287.9	-22
6370	2243.7	1291.3	-22	6371	2221.2	1301.7	-22	6372	2506.4	1316.1	-22	6373	3008.7	1319.8	-22
6374	3013.7	1319.8	-22	6375	2528.7	1329.5	-22	6376	2243.7	1334.6	-22	6377	2221.2	1350.3	-22
6378	2505.8	1353.2	-22	6379	3008.7	1357.3	-22	6380	3013.7	1357.3	-22	6381	2528.1	1371.1	-22
6382	2243.7	1378	-22	6383	2505.3	1390.4	-22	6384	3008.7	1394.8	-22	6385	3013.7	1394.8	-22
6386	2221.2	1398.8	-22	6387	2527.4	1412.7	-22	6388	2243.7	1421.3	-22	6389	2504.7	1427.5	-22
6390	3008.7	1434.1	-22	6391	3013.7	1434.1	-22	6392	2221.2	1447.4	-22	6393	1881.2	1451	-22
6394	2526.8	1454.3	-22	6395	2243.7	1464.7	-22	6396	2291.2	1464.7	-22	6397	2333.8	1464.7	-22
6398	2376.4	1464.7	-22	6399	2419	1464.7	-22	6400	2461.6	1464.7	-22	6401	2504.1	1464.7	-22
6402	1898.5	1466.2	-22	6403	3008.7	1473.4	-22	6404	3013.7	1473.4	-22	6405	1903.7	1473.5	-22
6406	2243.7	1473.5	-22	6407	2291.2	1473.5	-22	6408	2501.2	1473.5	-22	6409	2711.2	1473.5	-22
6410	2860	1473.9	-22	6411	2504	1475	-22	6412	2221.2	1496	-22	6413	2282.2	1496	-22
6414	2343.2	1496	-22	6415	2404.2	1496	-22	6416	2465.2	1496	-22	6417	2526.2	1496	-22
6418	2291.2	1504.2	-22	6419	3008.7	1509.4	-22	6420	3013.7	1509.4	-22	6421	2221.2	1531.6	-22
6422	2291.2	1543.7	-22	6423	3008.7	1545.5	-22	6424	3013.7	1545.5	-22	6425	2221.2	1567.2	-22
6426	3008.7	1581.6	-22	6427	3013.7	1581.6	-22	6428	2291.2	1583.3	-22	6429	2221.2	1602.8	-22
6430	2291.2	1622.8	-22	6431	3008.7	1624.9	-22	6432	3013.7	1624.9	-22	6433	2221.2	1638.5	-22
6434	2291.2	1662.4	-22	6435	3008.7	1668.2	-22	6436	3013.7	1668.2	-22	6437	2221.2	1674.1	-22
6438	2291.2	1701.9	-22	6439	2221.2	1709.7	-22	6440	3008.7	1711.6	-22	6441	3013.7	1711.6	-22
6442	2291.2	1741.4	-22	6443	2221.2	1745.3	-22	6444	3008.7	1746.3	-22	6445	3013.7	1746.3	-22
6446	1881.2	1781	-22	6447	1903.7	1781	-22	6448	2221.2	1781	-22	6449	2243.7	1781	-22
6450	2291.2	1781	-22	6451	3008.7	1781	-22	6452	3013.7	1781	-22	6453	2221.2	1819.5	-22
6454	2291.2	1819.5	-22	6455	3008.7	1824.2	-22	6456	3013.7	1824.2	-22	6457	2221.2	1858.1	-22
6458	2291.2	1858.1	-22	6459	3008.7	1867.4	-22	6460	3013.7	1867.4	-22	6461	2221.2	1896.7	-22
6462	2291.2	1896.7	-22	6463	3008.7	1910.8	-22	6464	3013.7	1910.8	-22	6465	2221.2	1935.3	-22
6466	2291.2	1935.3	-22	6467	3008.7	1954.1	-22	6468	3013.7	1954.1	-22	6469	2221.2	1973.8	-22
6470	2291.2	1973.8	-22	6471	3008.7	1997.4	-22	6472	3013.7	1997.4	-22	6473	2221.2	2012.4	-22
6474	2291.2	2012.4	-22	6475	3008.7	2024.2	-22	6476	3013.7	2024.2	-22	6477	1881.2	2051	-22
6478	1903.7	2051	-22	6479	2221.2	2051	-22	6480	2243.7	2051	-22	6481	2291.2	2051	-22
6482	3008.7	2051	-22	6483	3013.7	2051	-22	6484	2221.2	2090.6	-22	6485	2291.2	2090.6	-22
6486	3008.7	2092.8	-22	6487	3013.7	2092.8	-22	6488	2221.2	2130.3	-22	6489	2291.2	2130.3	-22
6490	3008.7	2134.7	-22	6491	3013.7	2134.7	-22	6492	3008.7	2169.7	-22	6493	3013.7	2169.7	-22
6494	2221.2	2169.9	-22	6495	2291.2	2169.9	-22	6496	3008.7	2204.7	-22	6497	3013.7	2204.7	-22
6498	2221.2	2209.6	-22	6499	2291.2	2209.6	-22	6500	3008.7	2239.7	-22	6501	3013.7	2239.7	-22
6502	2221.2	2249.3	-22	6503	2291.2	2249.3	-22	6504	3008.7	2274.7	-22	6505	3013.7	2274.7	-22
6506	2221.2	2288.9	-22	6507	2291.2	2288.9	-22	6508	3008.7	2301.6	-22	6509	3013.7	2301.6	-22
6510	901.3	2306.1	-22	6511	1253.7	2306.1	-22	6512	1588.7	2306.1	-22	6513	1881.2	2306.1	-22
6514	1903.5	2328.4	-22	6515	3008.7	2328.5	-22	6516	3013.7	2328.5	-22	6517	1253.7	2328.5	-22
6518	1588.7	2328.5	-22	6519	2243.7	2328.5	-22	6520	2501.2	2328.5	-22	6521	2711.2	2328.5	-22
6522	2859.9	2328.5	-22	6523	923.8	2328.6	-22	6524	2221.2	2328.6	-22	6525	2291.2	2328.6	-22
6526	2221.2	2369.6	-22	6527	2291.2	2369.6	-22	6528	3008.7	2374.6	-22	6529	3013.7	2374.6	-22
6530	2221.2	2410.7	-22	6531	2291.2	2410.7	-22	6532	3008.7	2420.8	-22	6533	3013.7	2420.8	-22
6534	2221.2	2451.7	-22	6535	2291.2	2451.7	-22	6536	3008.7	2453.3	-22	6537	3013.7	2453.3	-22
6538	3008.7	2485.8	-22	6539	3013.7	2485.8	-22	6540	2221.2	2492.8	-22	6541	2291.2	2492.8	-22
6542	3008.7	2518.3	-22	6543	3013.7	2518.3	-22	6544	2221.2	2533.9	-22	6545	2291.2	2533.9	-22
6546	3008.7	2550.8	-22	6547	3013.7	2550.8	-22	6548	2221.2	2574.9	-22	6549	2291.2	2574.9	-22
6550	3008.7	2583.4	-22	6551	3013.7	2583.4	-22	6552	901.2	2616	-22	6553	923.7	2616	-22
6554	1903.7	2616	-22	6555	2221.2	2616	-22	6556	2243.7	2616	-22	6557	2291.2	2616	-22
6558	3008.7	2616	-22	6559	3013.7	2616	-22	6560	2221.2	2656.7	-22	6561	2291.2	2656.7	-22
6562	3008.7	2661.9	-22	6563	3013.7	2661.9	-22	6564	2221.2	2697.5	-22	6565	2291.2	2697.5	-22
6566	3008.7	2707.8	-22	6567	3013.7	2707.8	-22	6568	2221.2	2738.3	-22	6569	2291.2	2738.3	-22

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	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
6570	3008.7	2740.3	-22	6571	3013.7	2740.3	-22	6572	3008.7	2772.8	-22	6573	3013.7	2772.8	-22
6574	2221.2	2779	-22	6575	2291.2	2779	-22	6576	3008.7	2805.3	-22	6577	3013.7	2805.3	-22
6578	2221.2	2819.8	-22	6579	2291.2	2819.8	-22	6580	3008.7	2837.8	-22	6581	3013.7	2837.8	-22
6582	2221.2	2860.6	-22	6583	2291.2	2860.6	-22	6584	3008.7	2869.4	-22	6585	3013.7	2869.4	-22
6586	1903.7	2901	-22	6587	2243.7	2901	-22	6588	3008.7	2901	-22	6589	3013.7	2901	-22
6590	901.1	2901.3	-22	6591	923.5	2901.3	-22	6592	2221.2	2901.3	-22	6593	2291.2	2901.3	-22
6594	3008.7	2935.8	-22	6595	3013.7	2935.8	-22	6596	2221.2	2944.2	-22	6597	2291.2	2944.2	-22
6598	3008.7	2970.6	-22	6599	3013.7	2970.6	-22	6600	2221.2	2987	-22	6601	2291.2	2987	-22
6602	3008.7	3005.4	-22	6603	3013.7	3005.4	-22	6604	2221.2	3029.8	-22	6605	2291.2	3029.8	-22
6606	3008.7	3048.7	-22	6607	3013.7	3048.7	-22	6608	2221.2	3072.6	-22	6609	2291.2	3072.6	-22
6610	3008.7	3092.1	-22	6611	3013.7	3092.1	-22	6612	2221.2	3115.4	-22	6613	2291.2	3115.4	-22
6614	3008.7	3135.4	-22	6615	3013.7	3135.4	-22	6616	2221.2	3158.2	-22	6617	2291.2	3158.2	-22
6618	3008.7	3168.2	-22	6619	3013.7	3168.2	-22	6620	2211.7	3180	-22	6621	2221.2	3201	-22
6622	2251.2	3201	-22	6623	2291.2	3201	-22	6624	2331.2	3201	-22	6625	2371.2	3201	-22
6626	2411.2	3201	-22	6627	2441.2	3201	-22	6628	2471.2	3201	-22	6629	2501.2	3201	-22
6630	2536.2	3201	-22	6631	2571.2	3201	-22	6632	2606.2	3201	-22	6633	2641.2	3201	-22
6634	2676.2	3201	-22	6635	2711.2	3201	-22	6636	2753.1	3201	-22	6637	2795.1	3201	-22
6638	2837	3201	-22	6639	2878.9	3201	-22	6640	2916.6	3201	-22	6641	2920.8	3201	-22
6642	2957.6	3201	-22	6643	2962.8	3201	-22	6644	2998.7	3201	-22	6645	3004.7	3201	-22
6646	3013.7	3201	-22	6647	2357.9	3201.9	-22	6648	2304.5	3202.8	-22	6649	1585.4	3203.5	-22
6650	1253.7	3203.5	-22	6651	1588.7	3203.5	-22	6652	1903.7	3203.5	-22	6653	2243.7	3203.5	-22
6654	2501.2	3203.5	-22	6655	2711.2	3203.5	-22	6656	3008.7	3203.5	-22	6657	923.5	3203.6	-22
6658	1231.2	3203.6	-22	6659	2291.2	3203.6	-22	6660	901	3226.1	-22	6661	1231.2	3226.1	-22
6662	2221.2	3239	-22	6663	2251.2	3239	-22	6664	3004.6	3245	-22	6665	3013.7	3245	-22
6666	2999.1	3245	-22	6667	2221.2	3277.1	-22	6668	2251.2	3277.1	-22	6669	3004.6	3289.1	-22
6670	3013.7	3289.1	-22	6671	2999.4	3289.1	-22	6672	2221.2	3315.1	-22	6673	2251.2	3315.1	-22
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6678	2251.2	3353.2	-22	6679	2411.2	3371	-22	6680	3004.4	3371	-22	6681	3013.7	3371	-22
6682	3000.1	3371	-22	6683	2221.2	3391.2	-22	6684	2251.2	3391.2	-22	6685	3004.4	3405	-22
6686	3013.7	3405	-22	6687	3000.3	3405	-22	6688	2221.2	3429.3	-22	6689	2251.2	3429.3	-22
6690	3004.3	3439.1	-22	6691	3013.7	3439.1	-22	6692	2221.2	3467.4	-22	6693	2251.2	3467.4	-22
6694	3004.2	3488.7	-22	6695	3013.7	3488.7	-22	6696	2221.2	3505.4	-22	6697	2251.2	3505.4	-22
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6702	3127.6	3538.4	-22	6703	3170.9	3538.4	-22	6704	3214.2	3538.4	-22	6705	3255.2	3538.4	-22
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6734	4339.5	3538.4	-22	6735	4385.4	3538.4	-22	6736	4431.2	3538.4	-22	6737	4471	3538.4	-22
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6782	3084.2	3543.4	-22	6783	3127.6	3543.4	-22	6784	3170.9	3543.4	-22	6785	3214.2	3543.4	-22
6786	3255.2	3543.4	-22	6787	3333.9	3543.4	-22	6788	3368.9	3543.4	-22	6789	3403.9	3543.4	-22
6790	3438.9	3543.4	-22	6791	3473.9	3543.4	-22	6792	3520.1	3543.4	-22	6793	3618.8	3543.4	-22
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6806	4124	3543.4	-22	6807	4199.5	3543.4	-22	6808	4234.5	3543.4	-22	6809	4269.5	3543.4	-22
6810	4304.5	3543.4	-22	6811	4339.5	3543.4	-22	6812	4385.4	3543.4	-22	6813	4471	3543.4	-22
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6818	4673.4	3543.4	-22	6819	4706	3543.5	-22	6820	4781.6	3543.5	-22	6821	4824.5	3543.5	-22
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6826	4999.1	3543.5	-22	6827	5087.8	3543.5	-22	6828	5122.8	3543.5	-22	6829	5157.8	3543.5	-22
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6838	5536.1	3543.5	-22	6839	5567.4	3543.5	-22	6840	5598.7	3543.5	-22	6841	1253.7	3543.5	-22
6842	1561.7	3543.5	-22	6843	1926.2	3543.5	-22	6844	2221.2	3543.5	-22	6845	2243.7	3543.5	-22
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6850	3004.1	3575.9	-22	6851	2221.2	3579.3	-22	6852	2251.2	3579.3	-22	6853	5598.7	3582.4	-22
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6870	1903.7	3676	-22	6871	3853.7	3679.7	-22	6872	4738.7	3679.7	-22	6873	2251.2	3686.5	-22
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6882	1906.2	3721	-22	6883	1580.8	3721	-22	6884	2251.2	3722	-22	6885	1906.2	3731	-22
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6914	2430.4	3828.5	-22	6915	2454.4	3828.5	-22	6916	2475.2	3828.5	-22	6917	2495.2	3828.5	-22
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6922	2609.6	3828.5	-22	6923	2617.6	3828.5	-22	6924	2654.4	3828.5	-22	6925	2658.4	3828.5	-22
6926	2699.2	3828.5	-22	6927	2737.2	3828.5	-22	6928	2775.3	3828.5	-22	6929	2813.4	3828.5	-22
6930	2851.4	3828.5	-22	6931	2889.5	3828.5	-22	6932	2927.5	3828.5	-22	6933	2965.6	3828.5	-22
6934	3003.7	3828.5	-22	6935	2221.2	3835	-22	6936	5598.7	3853.5	-22	6937	5603.7	3853.5	-22
6938	1906.2	3861	-22	6939	1941.2	3861	-22	6940	2206.2	3861	-22	6941	1925.1	3865.9	-22
6942	1941.2	3866	-22	6943	2291.2	3866	-22	6944	3003.6	3869.7	-22	6945	2291.2	3869.8	-22
6946	2699.1	3869.8	-22	6947	1926.2	3881	-22	6948	2221.2	3881	-22	6949	5598.7	3891	-22
6950	5603.7	3891	-22	6951	3003.5	3911	-22	6952	2291.2	3911.1	-22	6953	2699	3911.1	-22
6954	5598.7	3928.5	-22	6955	5603.7	3928.5	-22	6956	5627.4	3928.5	-22	6957	5656.2	3928.5	-22
6958	5698.7	3928.5	-22	6959	5741.2	3928.5	-22	6960	5783.7	3928.5	-22	6961	5826.2	3928.5	-22

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
6962	5883.7	3928.5	-22	6963	3003.4	3952.2	-22	6964	2291.2	3952.4	-22	6965	2698.9	3952.4	-22
6966	5598.7	3961	-22	6967	5603.7	3961	-22	6968	5883.7	3969.5	-22	6969	3003.4	3993.5	-22
6970	3008.7	3993.5	-22	6971	3853.7	3993.5	-22	6972	4738.7	3993.5	-22	6973	5598.7	3993.5	-22
6974	5603.7	3993.5	-22	6975	2291.2	3993.7	-22	6976	2698.8	3993.7	-22	6977	5883.7	4010.5	-22
6978	2291.2	4035	-22	6979	2698.8	4035	-22	6980	3003.3	4035.8	-22	6981	5598.7	4036	-22
6982	5603.7	4036	-22	6983	5883.7	4051.5	-22	6984	2291.2	4076.3	-22	6985	2698.7	4076.3	-22
6986	3003.2	4078.2	-22	6987	5598.7	4078.5	-22	6988	5603.7	4078.5	-22	6989	5883.7	4092.6	-22
6990	2291.2	4117.6	-22	6991	2698.6	4117.6	-22	6992	3003.2	4120.5	-22	6993	5598.7	4121	-22
6994	5603.7	4121	-22	6995	3853.7	4125.7	-22	6996	4738.7	4126	-22	6997	5883.7	4133.6	-22
6998	2291.2	4158.9	-22	6999	2698.5	4158.9	-22	7000	3003.1	4162.9	-22	7001	5598.7	4163.5	-22
7002	5603.7	4163.5	-22	7003	5883.7	4174.6	-22	7004	2291.2	4200.2	-22	7005	2698.4	4200.2	-22
7006	3003	4205.3	-22	7007	5598.7	4206	-22	7008	5603.7	4206	-22	7009	5883.7	4215.6	-22
7010	1581.2	4216	-22	7011	1906.2	4216	-22	7012	1581.2	4226	-22	7013	1906.2	4226	-22
7014	1561.2	4239.5	-22	7015	1926.2	4241	-22	7016	2291.2	4241.5	-22	7017	2698.3	4241.5	-22
7018	3003	4242.1	-22	7019	2988.7	4247.6	-22	7020	3002.9	4247.6	-22	7021	3044.8	4247.7	-22
7022	3086.7	4247.8	-22	7023	3128.6	4247.8	-22	7024	3170.5	4247.9	-22	7025	3212.4	4248	-22
7026	3254.3	4248	-22	7027	3296.2	4248.1	-22	7028	3334.2	4248.2	-22	7029	3372.2	4248.2	-22
7030	3410.2	4248.3	-22	7031	3448.2	4248.4	-22	7032	5301.2	4248.4	-22	7033	3486.2	4248.4	-22
7034	3853.7	4248.4	-22	7035	4738.7	4248.5	-22	7036	2243.7	4248.5	-22	7037	2711.2	4248.5	-22
7038	3008.7	4248.5	-22	7039	3566.2	4248.5	-22	7040	3709.9	4248.5	-22	7041	4007.4	4248.5	-22
7042	4161.2	4248.5	-22	7043	4296.2	4248.5	-22	7044	4431.2	4248.5	-22	7045	4584.9	4248.5	-22
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7050	5598.7	4248.5	-22	7051	5603.7	4248.5	-22	7052	5883.7	4256.6	-22	7053	3853.7	4257.9	-22
7054	4738.7	4258.5	-22	7055	2291.2	4281.9	-22	7056	2698.2	4281.9	-22	7057	5598.7	4286	-22
7058	5603.7	4286	-22	7059	2988.7	4287.2	-22	7060	3001.2	4287.3	-22	7061	3486.2	4288	-22
7062	5883.7	4297.7	-22	7063	2291.2	4322.3	-22	7064	2698.2	4322.3	-22	7065	5598.7	4323.5	-22
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7070	5883.7	4338.7	-22	7071	5598.7	4361	-22	7072	5603.7	4361	-22	7073	2291.2	4362.7	-22
7074	2698.1	4362.7	-22	7075	2988.8	4366.5	-22	7076	2997.7	4366.7	-22	7077	3486.1	4367.1	-22
7078	5883.7	4379.7	-22	7079	5598.7	4396	-22	7080	5603.7	4396	-22	7081	2291.2	4403.1	-22
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7086	3853.7	4411.4	-22	7087	4738.7	4411.6	-22	7088	5883.7	4420.7	-22	7089	5598.7	4431	-22
7090	5603.7	4431	-22	7091	2291.2	4443.6	-22	7092	2697.9	4443.6	-22	7093	2988.8	4445.9	-22
7094	2994.1	4446	-22	7095	3486.1	4446.2	-22	7096	5883.7	4461.8	-22	7097	5598.7	4466	-22
7098	5603.7	4466	-22	7099	2291.2	4484	-22	7100	2697.8	4484	-22	7101	2988.8	4485.5	-22
7102	3486.1	4485.7	-22	7103	5598.7	4501	-22	7104	5603.7	4501	-22	7105	5883.7	4502.8	-22
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7118	2413.1	4564.8	-22	7119	2453.8	4564.8	-22	7120	2494.4	4564.8	-22	7121	2535.1	4564.8	-22
7122	2575.7	4564.8	-22	7123	2616.4	4564.8	-22	7124	2657	4564.8	-22	7125	2697.6	4564.8	-22
7126	2739.2	4564.8	-22	7127	2780.8	4564.8	-22	7128	2822.4	4564.8	-22	7129	2864	4564.8	-22
7130	2905.6	4564.8	-22	7131	2947.2	4564.8	-22	7132	2988.8	4564.8	-22	7133	3027.3	4564.8	-22
7134	3065.7	4564.8	-22	7135	3104.1	4564.8	-22	7136	3142.5	4564.8	-22	7137	3180.9	4564.8	-22
7138	3219.4	4564.8	-22	7139	3257.8	4564.8	-22	7140	3296.2	4564.8	-22	7141	3334.2	4564.8	-22
7142	3372.1	4564.8	-22	7143	3410.1	4564.8	-22	7144	3448.1	4564.8	-22	7145	3486.1	4564.8	-22
7146	3526.1	4564.8	-22	7147	3566.2	4564.8	-22	7148	3603.1	4564.8	-22	7149	3639.9	4564.8	-22
7150	3676.8	4564.8	-22	7151	3713.7	4564.8	-22	7152	3750.6	4564.8	-22	7153	3787.4	4564.8	-22
7154	3824.3	4564.8	-22	7155	3853.7	4564.8	-22	7156	3861.2	4564.8	-22	7157	3898.7	4564.8	-22
7158	3936.2	4564.8	-22	7159	3973.7	4564.8	-22	7160	4011.2	4564.8	-22	7161	4048.7	4564.8	-22
7162	4086.2	4564.8	-22	7163	4123.7	4564.8	-22	7164	4161.2	4564.8	-22	7165	4199.8	4564.8	-22
7166	4238.3	4564.8	-22	7167	4276.9	4564.8	-22	7168	4315.5	4564.8	-22	7169	4354.1	4564.8	-22
7170	4392.6	4564.8	-22	7171	4431.2	4564.8	-22	7172	4476.3	4564.8	-22	7173	4521.4	4564.8	-22
7174	4557.6	4564.8	-22	7175	4593.8	4564.8	-22	7176	4630	4564.8	-22	7177	4666.3	4564.8	-22
7178	4702.5	4564.8	-22	7179	4738.7	4564.8	-22	7180	4776.8	4564.8	-22	7181	4814.9	4564.8	-22
7182	4853.1	4564.8	-22	7183	4891.2	4564.8	-22	7184	4929.3	4564.8	-22	7185	4967.4	4564.8	-22
7186	5005.6	4564.8	-22	7187	5043.7	4564.8	-22	7188	5080.5	4564.8	-22	7189	5117.3	4564.8	-22
7190	5154.1	4564.8	-22	7191	5190.8	4564.8	-22	7192	5227.6	4564.8	-22	7193	5264.4	4564.8	-22
7194	5301.2	4564.8	-22	7195	5338.4	4564.8	-22	7196	5375.6	4564.8	-22	7197	5412.8	4564.8	-22
7198	5449.9	4564.8	-22	7199	5487.1	4564.8	-22	7200	5524.3	4564.8	-22	7201	5561.5	4564.8	-22
7202	5598.7	4564.8	-22	7203	3853.7	4578.5	-22	7204	4738.7	4578.5	-22	7205	5598.7	4584.8	-22
7206	5603.7	4584.8	-22	7207	5632.8	4584.8	-22	7208	5666.9	4584.8	-22	7209	5706.9	4584.8	-22
7210	5746.9	4584.8	-22	7211	5786.9	4584.8	-22	7212	5835.3	4584.8	-22	7213	5883.7	4584.8	-22
7214	2711.2	4588.5	-22	7215	2243.7	4588.5	-22	7216	3008.7	4588.5	-22	7217	3296.2	4588.5	-22
7218	3566.2	4588.5	-22	7219	4161.2	4588.5	-22	7220	4431.2	4588.5	-22	7221	4528.7	4588.5	-22
7222	5043.7	4588.5	-22	7223	5301.2	4588.5	-22	7224	5598.7	4588.5	-22	7225	3861.2	4604.9	-22
7226	4521.4	4604.9	-22	7227	2697.5	4610.9	-22	7228	2291.2	4611	-22	7229	3861.2	4645.1	-22
7230	4521.4	4645.1	-22	7231	3861.2	4685.2	-22	7232	4521.4	4685.2	-22	7233	3861.2	4725.3	-22
7234	4521.4	4725.3	-22	7235	3861.2	4765.5	-22	7236	4521.4	4765.5	-22	7237	3861.2	4805.6	-22
7238	4521.4	4805.6	-22	7239	3861.2	4845.7	-22	7240	4521.4	4845.7	-22	7241	3861.2	4885.8	-22
7242	4521.4	4885.8	-22	7243	3861.2	4926	-22	7244	3898.7	4926	-22	7245	3936.2	4926	-22
7246	3973.7	4926	-22	7247	4011.2	4926	-22	7248	4048.7	4926	-22	7249	4086.2	4926	-22
7250	4123.7	4926	-22	7251	4161.2	4926	-22	7252	4201.2	4926	-22	7253	4241.2	4926	-22
7254	4281.3	4926	-22	7255	4321.3	4926	-22	7256	4361.3	4926	-22	7257	4401.3	4926	-22
7258	4441.3	4926	-22	7259	4481.3	4926	-22	7260	4521.4	4926	-22	7261	3853.7	4933.5	-22
7262	4161.2	4933.5	-22	7263	4528.7	4933.5	-22	7264	2243.7	843.5	10	7265	2269.9	843.5	10
7266	2308.3	843.5	10	7267	2346.6	843.5	10	7268	2384.9	843.5	10	7269	2823.7	843.5	10
7270	2243.7	848.5	10	7271	2823.7	897.2	10	7272	2823.7	933.8	10	7273	2823.7	970.5	10
7274	2823.7	1007.2	10	7275	3013.7	1194.6	10	7276	3013.7	1219.7	10	7277	3013.7	1244.8	10
7278	3013.7	1282.3	10	7279	3013.7	1319.8	10	7280	3013.7	1357.3	10	7281	3013.7	1394.8	10
7282	3013.7	1581.6	10	7283	3013.7	1624.9	10	7284	3013.7	1668.2	10	7285	3013.7	1711.6	10
7286	3013.7	1867.4	10	7287	3013.7	1910.8	10	7288	3013.7	1954.1	10	7289	3013.7	1997.4	10
7290	3013.7	2134.7	10	7291	3013.7	2169.7	10	7292	3013.7	2204.7	10	7293	3013.7	2239.7	10
7294	3013.7	2274.7	10	7295	3013.7	2420.8	10	7296	3013.7	2453.3	10	7297	3013.7	2485.8	10
7298	3013.7	2518.3	10	7299	3013.7	2550.8	10	7300	3013.7	2707.8	10	7301	3013.7	2740.3	10
7302	3013.7	2772.8	10	7303	3013.7	2805.3	10	7304	3013.7	2837.8	10	7305	3013.7	3005.4	10
7306	3013.7	3048.7	10	7307	3013.7	3092.1	10	7308	3013.7	3135.4	10	7309	3013.7	3289.1	10
7310	3013.7	3330	10	7311	3013.7	3371	10	7312	3013.7	3405	10	7313	3013.7	3439.1	10
7314	3084.2	3538.4	10	7315	3127.6	3538.4	10	7316	3170.9	3538.4	10	7317	3214.2	3538.4	10
7318	3333.9	3538.4	10	7319	3368.9	3538.4	10	7320	3403.9	3538.4	10	7321	3438.9	3538.4	10
7322	3473.9	3538.4	10	7323	3618.8	3538.4	10	7324	3651.3	3538.4	10	7325	3683.8	3538.4	10
7326	3716.3	3538.4	10	7327	3748.8	3538.4	10	7328	3919.7	3538.4	10	7329	3963	3538.4	10
7330	4006.4	3538.4	10	7331	4049.7	3538.4	10	7332	4199.5	3538.4	10	7333	4234.5	3538.4	10
7334	4269.5	3538.4	10	7335	4304.5	3538.4	10	7336	4339.5	3538.4	10	7337	4510.7	3538.4	10
7338	4554.1	3538.4	10	7339	4597.4	3538.4	10	7340	4640.7	3538.4	10	7341	4824.5	3538.5	10
7342	4857	3538.5	10	7343	4889.5	3538.5	10	7344	4922	3538.5	10	7345	4954.5	3538.5	10
7346	5087.8	3538.5	10	7347	5122.8	3538.5	10	7348	5157.8	3538.5	10	7349	5192.8	3538.5	10
7350	5227.8	3538.5	10	7351	5374.8	3538.5	10	7352	5418.1	3538.5	10	7353	5461.4	3538.5	10

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
7354	5504.8	3538.5	10	7355	5598.7	3928.5	10	7356	5627.4	3928.5	10	7357	5656.2	3928.5	10
7358	5698.7	3928.5	10	7359	5741.2	3928.5	10	7360	5783.7	3928.5	10	7361	5826.2	3928.5	10
7362	5883.7	3928.5	10	7363	5603.7	4361	10	7364	5603.7	4396	10	7365	5603.7	4431	10
7366	5603.7	4466	10	7367	5603.7	4501	10	7368	5666.9	4584.8	10	7369	5706.9	4584.8	10
7370	5746.9	4584.8	10	7371	5786.9	4584.8	10	7372	3783.5	3538.4	11.9	7373	3013.7	2970.9	11.9
7374	3013.7	1545.2	12	7375	3013.7	2095.6	12.4	7376	5265.1	3538.5	12.5	7377	3013.7	2378.2	12.5
7378	4674.8	3538.4	12.5	7379	3818.8	3538.4	12.6	7380	3013.7	2936.1	12.6	7381	3013.7	2026.7	12.8
7382	3013.7	2869	12.8	7383	3887.4	3538.4	12.8	7384	5338.9	3538.5	12.8	7385	3013.7	2304.9	12.8
7386	4785.5	3538.5	12.8	7387	3013.7	1432	12.8	7388	3013.7	2058.3	13.1	7389	4124.8	3538.4	13.1
7390	3853.8	3538.4	13.2	7391	3013.7	3204.7	13.2	7392	3013.7	2901.7	13.2	7393	5302.3	3538.5	13.2
7394	4746.3	3538.5	13.2	7395	3013.7	2338	13.2	7396	2424.1	843.5	13.3	7397	3013.7	3169.9	13.4
7398	4709.7	3538.5	13.5	7399	3013.7	1507.9	13.5	7400	3013.7	2584.5	13.5	7401	2785.5	843.5	13.7
7402	2973.9	1194.6	13.8	7403	3013.7	1470.6	13.9	7404	5883.7	3969.5	13.9	7405	2823.7	1046	14
7406	3013.7	1748.1	14.2	7407	3013.7	1785.5	14.2	7408	4471.2	3538.4	14.2	7409	5632.8	4584.8	14.5
7410	5835.3	4584.8	14.5	7411	5603.7	4322.8	14.5	7412	2463.4	843.5	14.5	7413	3013.7	3488.7	14.6
7414	3047.7	3538.4	14.6	7415	3013.7	1825.5	14.6	7416	5536.5	3538.5	14.8	7417	5603.7	4542.9	14.8
7418	2747.2	843.5	15	7419	2503.2	843.5	15.1	7420	3294.9	3538.4	15.1	7421	5043.7	3538.5	15.1
7422	5883.7	4010.5	15.2	7423	3254.9	3538.4	15.2	7424	4999.4	3538.5	15.2	7425	2935.7	1194.6	15.3
7426	3013.7	2664.1	15.3	7427	3013.7	2621.6	15.4	7428	2544	843.5	15.4	7429	4384.7	3538.4	15.5
7430	2708.3	843.5	15.5	7431	2823.7	1084.8	15.6	7432	2585.3	843.5	15.6	7433	5883.7	4051.5	15.6
7434	2667.7	843.5	15.7	7435	2626.6	843.5	15.7	7436	5883.7	4092.6	15.8	7437	5883.7	4133.6	15.9
7438	5883.7	4174.6	16	7439	2898.1	1194.6	16.1	7440	5603.7	4284.3	16.1	7441	5883.7	4215.6	16.1
7442	4429.4	3538.4	16.1	7443	5883.7	4256.6	16.2	7444	2823.7	1123.1	16.3	7445	5883.7	4297.7	16.4
7446	5883.7	4338.7	16.5	7447	5883.7	4379.7	16.6	7448	2860.9	1194.6	16.6	7449	5883.7	4420.7	16.7
7450	5603.7	4245.3	16.7	7451	2823.7	1160.4	16.8	7452	5883.7	4461.8	16.8	7453	5883.7	4502.8	16.9
7454	5883.7	4543.8	17	7455	5603.7	4204.4	17	7456	2818.7	1188.5	17.1	7457	2823.7	1194.6	17.1
7458	3013.7	3538.4	17.1	7459	5603.7	3538.5	17.1	7460	3008.7	3543.3	17.1	7461	5598.7	4584.8	17.1
7462	5603.7	4584.8	17.1	7463	5883.7	4584.8	17.1	7464	5603.7	3579.9	17.1	7465	5603.7	4163	17.1
7466	5603.7	3619.9	17.1	7467	5603.7	3659.3	17.1	7468	5603.7	3698.4	17.1	7469	5603.7	3737.4	17.1
7470	5603.7	3776.1	17.1	7471	5603.7	3814.6	17.1	7472	5603.7	3852.4	17.1	7473	5603.7	3889.9	17.1
7474	5603.7	4121.4	17.1	7475	5603.7	3926.9	17.2	7476	5603.7	3962.7	17.2	7477	5603.7	4080	17.2
7478	5603.7	3999.2	17.2	7479	5603.7	4039	17.2	7480	5568.8	3538.5	18.2	7481	3013.7	3244.7	18.5
7482	3521.5	3538.4	18.7	7483	4089.2	3538.4	18.9	7484	4160.3	3538.4	19.2	7485	3569	3538.4	19.4
7486	3536.1	3538.4	35.7	7487	3554.5	3538.4	36.6	7488	4125	3538.4	37.1	7489	4105.4	3538.4	39.1
7490	4144.6	3538.4	39.5	7491	3013.7	3227	42	7492	3013.7	3203.3	42.8	7493	2243.7	843.5	48.6
7494	2269.9	843.5	48.6	7495	2384.9	843.5	48.6	7496	2243.7	848.5	48.6	7497	5666.9	4584.8	49.2
7498	5786.9	4584.8	49.2	7499	3782.9	3538.4	49.4	7500	4675.1	3538.4	49.4	7501	3013.7	2971.7	49.5
7502	3013.7	1545.4	49.7	7503	3013.7	2097.6	49.9	7504	2823.7	843.5	50	7505	2823.7	897.2	50
7506	2823.7	1007.2	50	7507	3013.7	1194.6	50	7508	3013.7	1219.7	50	7509	3013.7	1244.8	50
7510	3013.7	1394.8	50	7511	3013.7	1581.6	50	7512	3013.7	1711.6	50	7513	3013.7	1867.4	50
7514	3013.7	1997.4	50	7515	3013.7	2134.7	50	7516	3013.7	2274.7	50	7517	3013.7	2420.8	50
7518	3013.7	2550.8	50	7519	3013.7	2707.8	50	7520	3013.7	2837.8	50	7521	3013.7	3005.4	50
7522	3013.7	3135.4	50	7523	3013.7	3289.1	50	7524	3013.7	3439.1	50	7525	3084.2	3538.4	50
7526	3214.2	3538.4	50	7527	3333.9	3538.4	50	7528	3473.9	3538.4	50	7529	3618.8	3538.4	50
7530	3748.8	3538.4	50	7531	3919.7	3538.4	50	7532	4049.7	3538.4	50	7533	4199.5	3538.4	50
7534	4339.5	3538.4	50	7535	4510.7	3538.4	50	7536	4640.7	3538.4	50	7537	4824.5	3538.5	50
7538	4954.5	3538.5	50	7539	5087.8	3538.5	50	7540	5227.8	3538.5	50	7541	5374.8	3538.5	50
7542	5504.8	3538.5	50	7543	3818.3	3538.4	50.1	7544	3013.7	2380.7	50.1	7545	2424.4	843.5	50.5
7546	3887.7	3538.4	50.5	7547	3013.7	2869	50.5	7548	3013.7	2028.4	50.5	7549	4787.7	3538.5	50.6
7550	3013.7	1430.9	50.6	7551	5339.1	3538.5	50.6	7552	3013.7	2307.1	50.6	7553	4711.7	3538.5	50.7
7554	3853.2	3538.4	50.8	7555	4749.1	3538.5	50.8	7556	3013.7	2936.9	50.8	7557	3013.7	2902.6	50.9
7558	3013.7	2062	50.9	7559	5264.7	3538.5	51.1	7560	5598.7	3928.5	51.1	7561	5627.4	3928.5	51.1
7562	5656.2	3928.5	51.1	7563	5826.2	3928.5	51.1	7564	5883.7	3928.5	51.1	7565	3013.7	1787.6	51.1
7566	5301.8	3538.5	51.2	7567	3013.7	2342.5	51.2	7568	3013.7	1507.4	51.4	7569	5603.7	4361	51.7
7570	5603.7	4501	51.7	7571	3013.7	1469.3	51.7	7572	2464	843.5	51.8	7573	2785.1	843.5	51.9
7574	2974.6	1194.6	52.1	7575	2823.7	1045.5	52.4	7576	2504	843.5	52.6	7577	3013.7	2584.1	52.6
7578	5883.7	3969.5	52.8	7579	5632.8	4584.8	52.9	7580	5835.3	4584.8	52.9	7581	2746.2	843.5	52.9
7582	2544.5	843.5	53.1	7583	3013.7	3171.5	53.1	7584	4473.2	3538.4	53.3	7585	2585.3	843.5	53.4
7586	3013.7	3488.7	53.4	7587	3048.6	3538.4	53.4	7588	2706.9	843.5	53.4	7589	2626.1	843.5	53.5
7590	2936.2	1194.6	53.6	7591	2666.7	843.5	53.6	7592	5883.7	4010.5	53.7	7593	3507.9	3538.4	53.8
7594	2823.7	1083.8	53.9	7595	5603.7	4322.2	53.9	7596	5883.7	4051.5	54.1	7597	5603.7	4542.9	54.3
7598	5883.7	4092.6	54.3	7599	3583.5	3538.4	54.3	7600	5534.4	3538.5	54.4	7601	5883.7	4133.6	54.5
7602	2898.4	1194.6	54.6	7603	5883.7	4174.6	54.6	7604	5883.7	4215.6	54.8	7605	2823.7	1121.6	54.9
7606	5883.7	4256.6	54.9	7607	5883.7	4297.7	55.1	7608	5603.7	4283.3	55.2	7609	5883.7	4338.7	55.3
7610	2861	1194.6	55.4	7611	5883.7	4379.7	55.4	7612	4079	3538.4	55.5	7613	5883.7	4420.7	55.6
7614	2823.7	1158.6	55.6	7615	3532.5	3538.4	55.7	7616	5883.7	4461.8	55.7	7617	5603.7	4243.8	55.9
7618	5883.7	4502.8	55.9	7619	5883.7	4543.8	56	7620	4170.6	3538.4	56.1	7621	5603.7	4203.5	56.2
7622	2818.7	1188.5	56.2	7623	2823.7	1194.6	56.2	7624	3013.7	3538.4	56.2	7625	5603.7	3538.5	56.2
7626	3008.7	3543.3	56.2	7627	5598.7	4584.8	56.2	7628	5603.7	4584.8	56.2	7629	5883.7	4584.8	56.2
7630	5603.7	3579	56.2	7631	5603.7	3619	56.2	7632	5603.7	3658.5	56.2	7633	5603.7	3697.8	56.2
7634	5603.7	3736.7	56.3	7635	5603.7	3775.4	56.3	7636	5603.7	3813.8	56.3	7637	5603.7	3851.7	56.3
7638	5603.7	4162.7	56.3	7639	5603.7	3889.4	56.3	7640	5603.7	3926.7	56.3	7641	5603.7	3963.9	56.3
7642	5603.7	4121.8	56.3	7643	5603.7	4001.6	56.3	7644	5603.7	4040.8	56.4	7645	5603.7	4081	56.4
7646	3013.7	3257.2	56.5	7647	3013.7	1825.3	57.1	7648	3557.7	3538.4	57.2	7649	5043.8	3538.5	57.2
7650	3013.7	1751.1	57.3	7651	3013.7	2623.6	58.2	7652	3013.7	2665.6	58.5	7653	4999.1	3538.5	58.6
7654	3293.9	3538.4	58.8	7655	4429.6	3538.4	58.9	7656	4384.5	3538.4	59.1	7657	3254.1	3538.4	59.1
7658	4102	3538.4	62.2	7659	4147.9	3538.4	62.9	7660	5566.7	3538.5	64.2	7661	4125	3538.4	64.3
7662	3013.7	3232.9	64.6	7663	3013.7	3209.3	68.5	7664	3013.7	3189.2	73.4	7665	3013.7	1788.5	75.9
7666	3013.7	2637.4	76.3	7667	3280.1	3538.4	76.8	7668	5027.9	3538.5	76.8	7669	3013.7	2653.8	76.9
7670	4415.4	3538.4	77.2	7671	3265.3	3538.4	77.3	7672	5011.3	3538.5	77.3	7673	3013.7	1809.2	77.3
7674	4397.5	3538.4	77.6	7675	3013.7	1768	77.9	7676	2243.7	843.5	87.1	7677	2269.9	843.5	87.1
7678	2384.9	843.5	87.1	7679	2243.7	848.5	87.1	7680	5666.9	4584.8	88.3	7681	5786.9	4584.8	88.3
7682	2424.6	843.5	88.5	7683	3817.4	3538.4	88.7	7684	5529.7	3538.5	88.7	7685	4750.7	3538.5	89.2
7686	3852.9	3538.4	89.2	7687	4712.8	3538.5	89.3	7688	4676.1	3538.4	89.3	7689	3782.8	3538.4	89.3
7690	2464.4	843.5	89.7	7691	3887.7	3538.4	89.8	7692	4788.8	3538.5	89.8	7693	3013.7	2869.1	89.8
7694	3013.7	2971.8	89.8	7695	3013.7	2029.6	89.9	7696	3013.7	2577.5	89.9	7697	2823.7	843.5	90
7698	2823.7	897.2	90	7699	2823.7	1007.2	90	7700	3013.7	1194.6	90	7701	3013.7	1219.7	90
7702	3013.7	1244.8	90	7703	3013.7	1394.8	90	7704	3013.7	1581.6	90	7705	3013.7	1711.6	90
7706	3013.7	1867.4	90	7707	3013.7	1997.4	90	7708	3013.7	2134.7	90	7709	3013.7	2274.7	90
7710	3013.7	2420.8	90	7711	3013.7	2550.8	90	7712	3013.7	2707.8	90	7713	3013.7	2837.8	90
7714	3013.7	3005.4	90	7715	3013.7	3135.4	90	7716	3013.7	3289.1	90	7717	3013.7	3439.1	90
7718	3084.2	3538.4	90	7719	3214.2	3538.4	90	7720	3333.9	3538.4	90	7721	3473.9	3538.4	90
7722	3618.8	3538.4	90	7723	3748.8	3538.4	90	7724	3919.7	3538.4	90	7725	4049.7	3538.4	90
7726	4199.5	3538.4	90	7727	4339.5	3538.4	90	7728	4510.7	3538.4	90	7729	4640.7	3538.4	90
7730	4824.5	3538.5	90	7731	4954.5	3538.5	90	7732	5087.8	3538.5	90	7733	5227.8	3538.5	90
7734	5374.8	3538.5	90	7735	5504.8	3538.5	90	7736	3013.7	2063.9	90.1	7737	3013.7	2903.1	90.1
7738	4481.1	3538.4	90.2	7739	3013.7	2099.1	90.2	7740	5549.3	3538.5	90.3	7741	3013.7	2937.4	90.3
7742	2504.4	843.5	90.5	7743	3013.7	1431.2	90.6	7744	5264	3538.5	90.6	7745	3013.7	2308.6	90.7

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
7746	3503.6	3538.4	90.7	7747	5338.2	3538.5	90.7	7748	3588.4	3538.4	90.8	7749	3013.7	2382.3	90.8
7750	3013.7	1544.8	90.9	7751	2784.8	843.5	90.9	7752	2544.7	843.5	91	7753	2974.9	1194.6	91.4
7754	2585.3	843.5	91.4	7755	2745.7	843.5	91.5	7756	2823.7	1045.2	91.6	7757	3013.7	1468.9	91.6
7758	2625.8	843.5	91.7	7759	3531.6	3538.4	91.8	7760	5300.8	3538.5	91.8	7761	2706.2	843.5	91.8
7762	3013.7	1507	91.8	7763	2666.2	843.5	91.8	7764	3559.5	3538.4	91.9	7765	5632.8	4584.8	91.9
7766	5835.3	4584.8	91.9	7767	3013.7	2344.6	91.9	7768	4075.4	3538.4	92.1	7769	5598.7	3928.5	92.2
7770	5627.4	3928.5	92.2	7771	5656.2	3928.5	92.2	7772	5826.2	3928.5	92.2	7773	5883.7	3928.5	92.2
7774	2936.5	1194.6	92.5	7775	3013.7	3488.7	92.7	7776	3048.9	3538.4	92.7	7777	3013.7	3261.9	92.8
7778	4174	3538.4	92.9	7779	2823.7	1083.1	92.9	7780	5883.7	3969.5	92.9	7781	3013.7	3163.5	93.2
7782	5883.7	4010.5	93.3	7783	5603.7	4361	93.3	7784	5603.7	4501	93.3	7785	2898.6	1194.6	93.5
7786	3013.7	2609.5	93.5	7787	5883.7	4051.5	93.6	7788	5883.7	4092.6	93.7	7789	3013.7	2678.5	93.7
7790	2823.7	1120.7	93.8	7791	5883.7	4133.6	93.9	7792	4099.6	3538.4	94	7793	5883.7	4174.6	94
7794	5883.7	4215.6	94.1	7795	5883.7	4256.6	94.2	7796	4371	3538.4	94.3	7797	3013.7	1837	94.3
7798	5603.7	4321.9	94.3	7799	5056.2	3538.5	94.4	7800	5883.7	4297.7	94.4	7801	5603.7	4542.9	94.4
7802	2861.1	1194.6	94.4	7803	4985.8	3538.5	94.4	7804	3242.3	3538.4	94.4	7805	5883.7	4338.7	94.5
7806	2823.7	1157.9	94.6	7807	5883.7	4379.7	94.6	7808	3305.3	3538.4	94.7	7809	5883.7	4420.7	94.8
7810	5883.7	4461.8	94.9	7811	4150	3538.4	94.9	7812	3013.7	1741.2	95	7813	5603.7	4282.6	95
7814	5883.7	4502.8	95	7815	4445.4	3538.4	95.1	7816	5883.7	4543.8	95.1	7817	2818.7	1188.5	95.3
7818	2823.7	1194.6	95.3	7819	3013.7	3538.4	95.3	7820	5603.7	3538.5	95.3	7821	3008.7	3543.3	95.3
7822	5598.7	4584.8	95.3	7823	5603.7	4584.8	95.3	7824	5883.7	4584.8	95.3	7825	5603.7	3578.6	95.3
7826	5603.7	3618.5	95.3	7827	3013.7	3237	95.3	7828	5603.7	3658	95.4	7829	5603.7	3697.3	95.4
7830	5603.7	4243	95.4	7831	5603.7	3736.3	95.4	7832	5603.7	3774.9	95.4	7833	5603.7	3813.3	95.5
7834	5603.7	3851.3	95.5	7835	5603.7	3889.1	95.5	7836	5603.7	3926.8	95.5	7837	5603.7	4202.9	95.5
7838	5603.7	3964.5	95.6	7839	5603.7	4002.8	95.6	7840	5603.7	4041.9	95.6	7841	5603.7	4162.5	95.6
7842	5603.7	4081.7	95.6	7843	5603.7	4122	95.6	7844	4125	3538.4	95.9	7845	3013.7	2632.5	97.1
7846	3013.7	2657.4	97.4	7847	4393.6	3538.4	97.8	7848	4420.4	3538.4	97.8	7849	5007.9	3538.5	98.3
7850	3262	3538.4	98.3	7851	3013.7	3186.8	98.5	7852	3013.7	3211.2	98.9	7853	3283.4	3538.4	99.2
7854	5031.8	3538.5	99.4	7855	3013.7	1813.4	100.2	7856	3013.7	1764.9	101.3	7857	3013.7	1789.1	102.8
7858	5575.3	3538.5	104.9	7859	5551.6	3538.5	117.8	7860	5528.5	3538.5	124.1	7861	2243.7	843.5	125.7
7862	2269.9	843.5	125.7	7863	2384.9	843.5	125.7	7864	2243.7	848.5	125.7	7865	2424.6	843.5	126.9
7866	5666.9	4584.8	127.5	7867	5786.9	4584.8	127.5	7868	2464.5	843.5	127.9	7869	4712.8	3538.5	128.5
7870	3560.4	3538.4	128.6	7871	4751.6	3538.5	128.6	7872	3816.7	3538.4	128.6	7873	2504.5	843.5	128.8
7874	3530.9	3538.4	128.8	7875	3852.6	3538.4	128.8	7876	3501.3	3538.4	129	7877	3590.7	3538.4	129.1
7878	4676	3538.4	129.2	7879	3782.2	3538.4	129.3	7880	2544.8	843.5	129.4	7881	3013.7	2576.4	129.4
7882	4788.4	3538.5	129.6	7883	3013.7	2903.4	129.6	7884	3886.6	3538.4	129.6	7885	3013.7	2869.6	129.8
7886	2585.2	843.5	129.9	7887	3013.7	2630.4	129.9	7888	2823.7	843.5	130	7889	2823.7	897.2	130
7890	2823.7	1007.2	130	7891	3013.7	1194.6	130	7892	3013.7	1219.7	130	7893	3013.7	1244.8	130
7894	3013.7	1394.8	130	7895	3013.7	1581.6	130	7896	3013.7	1711.6	130	7897	3013.7	1867.4	130
7898	3013.7	1997.4	130	7899	3013.7	2134.7	130	7900	3013.7	2274.7	130	7901	3013.7	2420.8	130
7902	3013.7	2550.8	130	7903	3013.7	2707.8	130	7904	3013.7	2837.8	130	7905	3013.7	3005.4	130
7906	3013.7	3135.4	130	7907	3013.7	3289.1	130	7908	3013.7	3439.1	130	7909	3084.2	3538.4	130
7910	3214.2	3538.4	130	7911	3333.9	3538.4	130	7912	3473.9	3538.4	130	7913	3618.8	3538.4	130
7914	3748.8	3538.4	130	7915	3919.7	3538.4	130	7916	4049.7	3538.4	130	7917	4199.5	3538.4	130
7918	4339.5	3538.4	130	7919	4510.7	3538.4	130	7920	4640.7	3538.4	130	7921	4824.5	3538.5	130
7922	4954.5	3538.5	130	7923	5087.8	3538.5	130	7924	5227.8	3538.5	130	7925	5374.8	3538.5	130
7926	5504.8	3538.5	130	7927	4073.8	3538.4	130.1	7928	2625.6	843.5	130.2	7929	2784.6	843.5	130.3
7930	3013.7	2972.6	130.4	7931	3013.7	2604.8	130.4	7932	4176	3538.4	130.4	7933	2665.9	843.5	130.5
7934	3013.7	2030.4	130.5	7935	2745.4	843.5	130.6	7936	3013.7	2658.3	130.6	7937	2705.8	843.5	130.6
7938	3013.7	2682.3	130.7	7939	3013.7	2100.2	130.7	7940	4099.4	3538.4	130.8	7941	4151	3538.4	130.8
7942	4981.7	3538.5	130.9	7943	5007.1	3538.5	130.9	7944	3238.5	3538.4	130.9	7945	5632.8	4584.8	131
7946	5835.3	4584.8	131	7947	2975	1194.6	131	7948	3013.7	3263.5	131	7949	4366.7	3538.4	131
7950	3013.7	1430.8	131	7951	3260.9	3538.4	131.1	7952	2823.7	1045	131.1	7953	4481.7	3538.4	131.1
7954	3013.7	1841.3	131.2	7955	4125.1	3538.4	131.2	7956	3308.8	3538.4	131.3	7957	3013.7	2065.2	131.3
7958	3285.5	3538.4	131.3	7959	5060.1	3538.5	131.4	7960	3013.7	2937.8	131.4	7961	4392.4	3538.4	131.4
7962	3013.7	3160.9	131.5	7963	4422.4	3538.4	131.5	7964	5262.6	3538.5	131.6	7965	5034.5	3538.5	131.8
7966	3013.7	1738	131.8	7967	2936.7	1194.6	131.9	7968	3013.7	2308.6	131.9	7969	3013.7	1545.2	132.1
7970	2823.7	1082.8	132.1	7971	3048.9	3538.4	132.2	7972	3013.7	3488.7	132.2	7973	5337.5	3538.5	132.2
7974	3013.7	2383.2	132.3	7975	3013.7	3237.9	132.3	7976	3013.7	1816.3	132.6	7977	2898.8	1194.6	132.7
7978	3013.7	1763.1	132.8	7979	3013.7	1468.1	132.9	7980	3013.7	3185.8	132.9	7981	2823.7	1120.3	133
7982	3013.7	3211.6	133.1	7983	5598.7	3928.5	133.3	7984	5627.4	3928.5	133.3	7985	5656.2	3928.5	133.3
7986	5826.2	3928.5	133.3	7987	5883.7	3928.5	133.3	7988	4450.5	3538.4	133.4	7989	5883.7	3969.5	133.5
7990	2861.2	1194.6	133.6	7991	5883.7	4010.5	133.7	7992	2823.7	1157.6	133.7	7993	5883.7	4051.5	133.8
7994	5883.7	4092.6	133.8	7995	5883.7	4133.6	133.9	7996	3013.7	1789.4	133.9	7997	5883.7	4174.6	133.9
7998	5883.7	4215.6	133.9	7999	5883.7	4256.6	134	8000	5883.7	4297.7	134	8001	5883.7	4338.7	134.1
8002	5883.7	4379.7	134.1	8003	5883.7	4420.7	134.2	8004	5883.7	4461.8	134.2	8005	5883.7	4502.8	134.3
8006	5883.7	4543.8	134.3	8007	2818.7	1188.5	134.4	8008	2823.7	1194.6	134.4	8009	3013.7	3538.4	134.4
8010	5603.7	3538.5	134.4	8011	3008.7	3543.3	134.4	8012	5598.7	4584.8	134.4	8013	5603.7	4584.8	134.4
8014	5883.7	4584.8	134.4	8015	5603.7	3578.4	134.4	8016	5603.7	3618.2	134.4	8017	5603.7	3657.7	134.5
8018	5603.7	3697	134.5	8019	5299.3	3538.5	134.5	8020	5603.7	3735.9	134.6	8021	5603.7	3774.6	134.6
8022	5603.7	3813	134.6	8023	5603.7	3851.1	134.7	8024	5603.7	4542.9	134.7	8025	5603.7	3889	134.7
8026	5603.7	3926.8	134.8	8027	3013.7	2344.8	134.8	8028	5603.7	3964.9	134.8	8029	5603.7	4003.4	134.8
8030	5603.7	4042.4	134.9	8031	5603.7	4082.1	134.9	8032	5603.7	4122.1	135	8033	5603.7	4361	135
8034	5603.7	4501	135	8035	5603.7	4162.4	135	8036	3013.7	1506.9	135.1	8037	5603.7	4202.6	135.1
8038	5603.7	4321.7	135.1	8039	5603.7	4242.6	135.1	8040	5603.7	4282.3	135.1	8041	5578	3538.5	143.4
8042	5553	3538.5	153.3	8043	5528.5	3538.5	161.7	8044	2243.7	843.5	164.3	8045	2269.9	843.5	164.3
8046	2384.9	843.5	164.3	8047	2243.7	848.5	164.3	8048	2424.6	843.5	165.5	8049	3560.6	3538.4	166.5
8050	2464.4	843.5	166.6	8051	3530.6	3538.4	166.6	8052	5666.9	4584.8	166.7	8053	5786.9	4584.8	166.7
8054	3013.7	2629.4	167.2	8055	2504.5	843.5	167.5	8056	3590.7	3538.4	167.5	8057	4713.3	3538.5	167.8
8058	3501	3538.4	167.9	8059	4124.7	3538.4	168	8060	4751.5	3538.5	168.1	8061	3817	3538.4	168.1
8062	2544.7	843.5	168.2	8063	3013.7	1789.4	168.3	8064	5007.6	3538.5	168.3	8065	3261.6	3538.4	168.4
8066	3852.4	3538.4	168.4	8067	3286.1	3538.4	168.4	8068	5034.7	3538.5	168.4	8069	3013.7	2656.9	168.6
8070	2585.1	843.5	168.7	8071	3013.7	2603	168.8	8072	3013.7	2575.3	168.8	8073	3236.8	3538.4	168.8
8074	3013.7	2684.1	168.9	8075	4979.9	3538.5	168.9	8076	3013.7	1843.5	168.9	8077	3013.7	2902.6	169
8078	4072.8	3538.4	169	8079	3310.5	3538.4	169.1	8080	4150.5	3538.4	169.1	8081	4176	3538.4	169.1
8082	2625.5	843.5	169.1	8083	5061	3538.5	169.2	8084	4364.4	3538.4	169.2	8085	4099.1	3538.4	169.3
8086	3013.7	1816.4	169.3	8087	3013.7	1736.3	169.4	8088	4421.7	3538.4	169.5	8089	2665.7	843.5	169.5
8090	3013.7	3159.1	169.6	8091	3013.7	3184.2	169.7	8092	4675.9	3538.4	169.7	8093	2705.6	843.5	169.7
8094	4392.9	3538.4	169.8	8095	3013.7	2870	169.8	8096	3013.7	1762.9	169.9	8097	2745.2	843.5	169.9
8098	3782	3538.4	169.9	8099	4788.6	3538.5	169.9	8100	2784.5	843.5	170	8101	2823.7	843.5	170
8102	2823.7	897.2	170	8103	2823.7	1007.2	170	8104	3013.7	1194.6	170	8105	3013.7	1219.7	170
8106	3013.7	1244.8	170	8107	3013.7	1394.8	170	8108	3013.7	1581.6	170	8109	3013.7	1711.6	170
8110	3013.7	1867.4	170	8111	3013.7	1997.4	170	8112	3013.7	2134.7	170	8113	3013.7	2274.7	170
8114	3013.7	2420.8	170	8115	3013.7	2550.8	170	8116	3013.7	2707.8	170	8117	3013.7	2837.8	170
8118	3013.7	3005.4	170	8119	3013.7	3135.4	170	8120	3013.7	3289.1	170	8121	3013.7	3439.1	170
8122	3084.2	3538.4	170	8123	3214.2	3538.4	170	8124	3333.9	3538.4	170	8125	3473.9	3538.4	170
8126	3618.8	3538.4	170	8127	3748.8	3538.4	170	8128	3919.7	3538.4	170	8129	4049.7	3538.4	170
8130	4199.5	3538.4	170	8131	4339.5	3538.4	170	8132	4510.7	3538.4	170	8133	4640.7	3538.4	170
8134	4824.5	3538.5	170	8135	4954.5	3538.5	170	8136	5087.8	3538.5	170	8137	5227.8	3538.5	170

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
8138	5374.8	3538.5	170	8139	5504.8	3538.5	170	8140	3886.6	3538.4	170	8141	5632.9	4584.8	170.1
8142	5835.4	4584.8	170.1	8143	3013.7	3263.8	170.1	8144	3013.7	3210.4	170.3	8145	3013.7	3238	170.5
8146	2975.1	1194.6	170.7	8147	2823.7	1044.9	170.8	8148	3013.7	2973.8	171.2	8149	3013.7	1429.3	171.3
8150	4483.5	3538.4	171.4	8151	2936.8	1194.6	171.4	8152	2823.7	1082.5	171.5	8153	3013.7	3488.7	171.7
8154	3049.1	3538.4	172	8155	2898.9	1194.6	172.1	8156	3013.7	2030.4	172.1	8157	2823.7	1120.1	172.2
8158	3013.7	2101.3	172.4	8159	2861.2	1194.6	172.8	8160	2823.7	1157.4	172.9	8161	5259.6	3538.5	173
8162	2818.7	1188.5	173.5	8163	2823.7	1194.6	173.5	8164	3013.7	3538.4	173.5	8165	5603.7	3538.5	173.5
8166	3008.7	3543.3	173.5	8167	5598.7	4584.8	173.5	8168	5603.7	4584.8	173.5	8169	5883.7	4584.8	173.5
8170	5603.7	3578.3	173.5	8171	5883.7	4543.8	173.5	8172	3013.7	2306.6	173.5	8173	5603.7	3618	173.6
8174	5883.7	4502.8	173.6	8175	3013.7	1547.4	173.6	8176	5603.7	3657.5	173.6	8177	5883.7	4461.8	173.6
8178	5603.7	3696.7	173.7	8179	5883.7	4420.7	173.7	8180	5603.7	3735.7	173.7	8181	5603.7	3774.4	173.8
8182	5883.7	4379.7	173.8	8183	5603.7	3812.8	173.8	8184	5883.7	4338.7	173.8	8185	5603.7	3850.9	173.9
8186	5883.7	4297.7	173.9	8187	5603.7	3888.9	173.9	8188	5883.7	4256.6	174	8189	5603.7	3926.9	174
8190	5603.7	3965	174	8191	5883.7	4215.6	174	8192	5603.7	4003.6	174.1	8193	5883.7	4174.6	174.1
8194	5603.7	4042.6	174.1	8195	5883.7	4133.6	174.2	8196	5603.7	4082.2	174.2	8197	5883.7	4092.6	174.2
8198	5883.7	4051.5	174.3	8199	5603.7	4122.2	174.3	8200	5883.7	4010.5	174.4	8201	5883.7	3969.5	174.4
8202	5603.7	4162.4	174.4	8203	5598.7	3928.5	174.4	8204	5627.4	3928.5	174.4	8205	5656.2	3928.5	174.4
8206	5826.2	3928.5	174.4	8207	5883.7	3928.5	174.4	8208	3013.7	1465.7	174.5	8209	5603.7	4202.5	174.6
8210	5603.7	4242.4	174.9	8211	5603.7	4542.9	175	8212	5338	3538.5	175	8213	3013.7	2384.5	175.2
8214	5603.7	4282.1	175.3	8215	3013.7	2065.9	175.5	8216	5603.7	4321.6	175.9	8217	3013.7	2937.5	176.2
8218	4452.5	3538.4	176.4	8219	5603.7	4361	176.7	8220	5603.7	4501	176.7	8221	5578.4	3538.5	181.6
8222	3013.7	1507.2	183.4	8223	5296.5	3538.5	184.1	8224	3013.7	2343.3	184.7	8225	5553.4	3538.5	190.3
8226	4438.4	3538.4	198.4	8227	3013.7	2921.5	198.5	8228	5528.6	3538.5	199.6	8229	4419.6	3538.4	200
8230	3013.7	2900.1	200.2	8231	3013.7	2629.4	202.4	8232	3013.7	1789.6	202.6	8233	4124.4	3538.4	202.7
8234	2243.7	843.5	202.9	8235	2269.9	843.5	202.9	8236	2384.9	843.5	202.9	8237	2243.7	848.5	202.9
8238	3560.8	3538.4	203.3	8239	5034.3	3538.5	203.4	8240	5008.1	3538.5	203.4	8241	3530.4	3538.4	203.7
8242	2424.5	843.5	204.3	8243	3286.7	3538.4	204.8	8244	3590.9	3538.4	205	8245	3261.8	3538.4	205.2
8246	2464.2	843.5	205.6	8247	5666.9	4584.8	205.8	8248	5786.9	4584.8	205.8	8249	3013.7	3182.9	205.9
8250	3500.7	3538.4	205.9	8251	4981.6	3538.5	206.3	8252	4713.8	3538.5	206.3	8253	2504.3	843.5	206.6
8254	3310.8	3538.4	206.6	8255	5060.8	3538.5	206.7	8256	4750.1	3538.5	206.7	8257	3817.4	3538.4	207
8258	3013.7	3158.5	207	8259	3237	3538.4	207	8260	3851.1	3538.4	207.1	8261	3013.7	1844.1	207.2
8262	3013.7	2574.8	207.3	8263	2544.6	843.5	207.3	8264	3013.7	2684.1	207.4	8265	4176.3	3538.4	207.4
8266	3013.7	1735.8	207.5	8267	4364.3	3538.4	207.5	8268	5252.5	3538.5	207.7	8269	4072.4	3538.4	207.8
8270	3013.7	3208.4	207.8	8271	2585.1	843.5	207.9	8272	3013.7	2300.1	208.2	8273	2625.5	843.5	208.4
8274	3013.7	2978.7	208.5	8275	4487.1	3538.4	208.6	8276	4393.9	3538.4	208.7	8277	3013.7	2655.9	208.8
8278	2665.7	843.5	208.8	8279	3013.7	1815.8	208.9	8280	5275.5	3538.5	209	8281	3013.7	1763.6	209.1
8282	3013.7	2602.9	209.1	8283	2705.6	843.5	209.1	8284	4099.3	3538.4	209.3	8285	4149.5	3538.4	209.3
8286	3013.7	3236.2	209.3	8287	5633	4584.8	209.3	8288	5835.6	4584.8	209.3	8289	2745.2	843.5	209.4
8290	3013.7	3263.2	209.7	8291	2784.5	843.5	209.7	8292	3013.7	2322.9	209.8	8293	2823.7	843.5	210
8294	2823.7	897.2	210	8295	2823.7	1007.2	210	8296	3013.7	1194.6	210	8297	3013.7	1219.7	210
8298	3013.7	1244.8	210	8299	3013.7	1394.8	210	8300	3013.7	1581.6	210	8301	3013.7	1711.6	210
8302	3013.7	1867.4	210	8303	3013.7	1997.4	210	8304	3013.7	2134.7	210	8305	3013.7	2274.7	210
8306	3013.7	2420.8	210	8307	3013.7	2550.8	210	8308	3013.7	2707.8	210	8309	3013.7	2837.8	210
8310	3013.7	3005.4	210	8311	3013.7	3135.4	210	8312	3013.7	3289.1	210	8313	3013.7	3439.1	210
8314	3084.2	3538.4	210	8315	3214.2	3538.4	210	8316	3333.9	3538.4	210	8317	3473.9	3538.4	210
8318	3618.8	3538.4	210	8319	3748.8	3538.4	210	8320	3919.7	3538.4	210	8321	4049.7	3538.4	210
8322	4199.5	3538.4	210	8323	4339.5	3538.4	210	8324	4510.7	3538.4	210	8325	4640.7	3538.4	210
8326	4824.5	3538.5	210	8327	4954.5	3538.5	210	8328	5087.8	3538.5	210	8329	5227.8	3538.5	210
8330	5374.8	3538.5	210	8331	5504.8	3538.5	210	8332	3013.7	1554.8	210.1	8333	3013.7	2871.3	210.2
8334	2975.2	1194.6	210.5	8335	2823.7	1044.8	210.5	8336	3013.7	1426.2	210.6	8337	2937	1194.6	211
8338	2823.7	1082.4	211	8339	4462.7	3538.4	211.1	8340	3013.7	3488.7	211.3	8341	3013.7	2949.7	211.3
8342	2899	1194.6	211.5	8343	2823.7	1119.9	211.6	8344	4674.8	3538.4	211.8	8345	3013.7	1458.4	211.9
8346	3886.8	3538.4	212	8347	4789.1	3538.5	212	8348	2861.3	1194.6	212	8349	3781.1	3538.4	212
8350	2823.7	1157.3	212.1	8351	2818.7	1188.5	212.5	8352	2823.7	1194.6	212.5	8353	3013.7	3538.4	212.5
8354	5603.7	3538.5	212.5	8355	3008.7	3543.3	212.5	8356	5598.7	4584.8	212.5	8357	5603.7	4584.8	212.5
8358	5883.7	4584.8	212.5	8359	5603.7	3578.2	212.6	8360	5603.7	3617.8	212.7	8361	5883.7	4543.8	212.7
8362	5603.7	3657.3	212.7	8363	5603.7	3696.6	212.8	8364	5603.7	3735.6	212.9	8365	5883.7	4502.8	212.9
8366	5603.7	3774.3	212.9	8367	3049.7	3538.4	213	8368	5603.7	3812.7	213	8369	5603.7	3850.9	213
8370	5883.7	4461.8	213.1	8371	5603.7	3888.9	213.1	8372	5603.7	3926.9	213.2	8373	5603.7	3965	213.2
8374	3013.7	2028.6	213.2	8375	5883.7	4420.7	213.3	8376	5603.7	4003.6	213.3	8377	5603.7	4042.6	213.4
8378	3013.7	2104.2	213.4	8379	5603.7	4082.2	213.5	8380	5883.7	4379.7	213.5	8381	5603.7	4122.2	213.6
8382	5883.7	4338.7	213.6	8383	5603.7	4162.3	213.8	8384	5883.7	4297.7	213.8	8385	5883.7	4256.6	214
8386	5603.7	4202.5	214.1	8387	5883.7	4215.6	214.2	8388	5343.5	3538.5	214.3	8389	5883.7	4174.6	214.4
8390	5603.7	4242.4	214.5	8391	5883.7	4133.6	214.6	8392	5883.7	4092.6	214.7	8393	5883.7	4051.5	214.9
8394	5883.7	4010.5	215.1	8395	5603.7	4543	215.2	8396	5603.7	4282.1	215.3	8397	3013.7	2390.4	215.3
8398	5883.7	3969.5	215.3	8399	5598.7	3928.5	215.6	8400	5627.4	3928.5	215.6	8401	5656.2	3928.5	215.6
8402	5826.2	3928.5	215.6	8403	5883.7	3928.5	215.6	8404	5603.7	4321.5	216.5	8405	3013.7	1526	217.4
8406	5603.7	4361	218.3	8407	5603.7	4501	218.3	8408	3013.7	1489.3	218.5	8409	4443	3538.4	218.7
8410	4738.4	3538.5	219	8411	3013.7	2926.8	219.1	8412	4725.2	3538.5	219.2	8413	5578.5	3538.5	219.3
8414	3840	3538.4	219.5	8415	3827.8	3538.4	219.6	8416	4424.1	3538.4	222.5	8417	3013.7	2905	223
8418	3013.7	1789.5	224.5	8419	3013.7	2629.5	224.7	8420	4124.1	3538.4	225	8421	4407.8	3538.4	225.2
8422	3013.7	2644.1	225.7	8423	3013.7	1775.1	225.7	8424	3013.7	1804	225.8	8425	3013.7	2614.9	226.3
8426	4110.4	3538.4	226.3	8427	4138.1	3538.4	226.4	8428	3013.7	2887.2	226.6	8429	5553.2	3538.5	226.7
8430	3013.7	2066.1	226.9	8431	3013.7	1508.1	228.5	8432	5310.7	3538.5	229	8433	3810.9	3538.4	229.3
8434	4706.9	3538.5	229.4	8435	3793.2	3538.4	229.5	8436	4757.1	3538.5	229.5	8437	3857.1	3538.4	229.6
8438	4687.8	3538.4	229.7	8439	4776.3	3538.5	229.7	8440	3874.7	3538.4	229.8	8441	3013.7	2357.7	230.7
8442	4723.5	3538.5	232.1	8443	4740.5	3538.5	232.4	8444	3826.1	3538.4	232.4	8445	3841.7	3538.4	232.6
8446	5009.2	3538.5	233.4	8447	5033.3	3538.5	233.9	8448	5278.5	3538.5	235.9	8449	5527.8	3538.5	236.1
8450	3013.7	2325.9	237.4	8451	3561.8	3538.4	238.3	8452	3287.3	3538.4	239	8453	3530.3	3538.4	239
8454	3013.7	3180.4	239.1	8455	3013.7	1754.9	239.5	8456	3013.7	2664.5	239.6	8457	3261.6	3538.4	239.7
8458	3013.7	1824.9	239.7	8459	4385.3	3538.4	240.3	8460	3591.5	3538.4	240.4	8461	4467.6	3538.4	240.5
8462	5251.7	3538.5	240.6	8463	4091	3538.4	240.9	8464	4158.1	3538.4	240.9	8465	3013.7	1847.4	241
8466	3013.7	2593.6	241	8467	3013.7	2955.9	241.1	8468	3013.7	3157.5	241.2	8469	3311.9	3538.4	241.4
8470	2243.7	843.5	241.4	8471	2269.9	843.5	241.4	8472	2384.9	843.5	241.4	8473	2243.7	848.5	241.4
8474	3013.7	1733.1	241.5	8475	4361	3538.4	241.5	8476	4489.9	3538.4	241.5	8477	3013.7	2299.1	241.5
8478	3013.7	2686.3	241.7	8479	3013.7	2571.1	241.7	8480	4179.8	3538.4	241.8	8481	3499.8	3538.4	241.9
8482	3013.7	2981.8	242.2	8483	4446	3538.4	242.7	8484	3236.4	3538.4	242.8	8485	4070.3	3538.4	242.8
8486	4983.8	3538.5	243	8487	3013.7	2930.7	243.4	8488	2424.1	843.5	243.5	8489	3013.7	1772.2	243.6
8490	3013.7	2647	243.7	8491	3013.7	1806.7	243.9	8492	5060	3538.5	244.2	8493	3013.7	3204.3	244.2
8494	3013.7	2863.3	244.3	8495	4405.5	3538.4	244.3	8496	3897.5	3538.4	244.3	8497	3771	3538.4	244.4
8498	4800.5	3538.5	244.5	8499	3013.7	1789.3	244.5	8500	4425.3	3538.4	244.5	8501	4107.7	3538.4	244.8
8502	3013.7	1559	244.9	8503	3013.7	2629.8	244.9	8504	4140.5	3538.4	244.9	8505	3013.7	2020.4	245
8506	3013.7	2612.3	245	8507	2463.8	843.5	245	8508	5666.9	4584.8	245	8509	5706.9	4584.8	245
8510	5746.9	4584.8	245	8511	5786.9	4584.8	245	8512	5350.9	3538.5	245.1	8513	4663.4	3538.4	245.2
8514	4123.9	3538.4	245.4	8515	3013.7	2112.6	245.5	8516	3013.7	2907	245.6	8517	2504	843.5	246.1
8518	3013.7	2398.3	246.3	8519	3013.7	2885.4	246.6	8520	2544.4	843.5	246.8	8521	3788.4	3538.4	247.3
8522	3013.7	2041.8	247.3	8523	5330.2	3538.5	247.4	8524	2585	843.5	247.4	8525	3013.7	2090.2	247.6
8526	3879.4	3538.4	247.9	8527	2625.5	843.5	247.9	8528	4781.4	3538.5	248	8529	3013.7	1533.6	248.1

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
8530	3013.7	3234.3	248.2	8531	2665.8	843.5	248.3	8532	3806.8	3538.4	248.4	8533	4682.5	3538.4	248.5
8534	5633.5	4584.8	248.7	8535	5836.2	4584.8	248.7	8536	2705.7	843.5	248.7	8537	3861.2	3538.4	249
8538	2745.3	843.5	249.1	8539	4761.5	3538.5	249.3	8540	3013.7	1425.1	249.5	8541	3013.7	1454.5	249.5
8542	3013.7	3262.8	249.5	8543	2784.6	843.5	249.5	8544	3013.7	2377.4	249.6	8545	3824.9	3538.4	249.8
8546	4703.4	3538.5	249.9	8547	3842.8	3538.4	250	8548	2823.7	843.5	250	8549	2823.7	897.2	250
8550	2823.7	1007.2	250	8551	3013.7	1194.6	250	8552	3013.7	1219.7	250	8553	3013.7	1244.8	250
8554	3013.7	1394.8	250	8555	3013.7	1581.6	250	8556	3013.7	1624.9	250	8557	3013.7	1668.2	250
8558	3013.7	1711.6	250	8559	3013.7	1867.4	250	8560	3013.7	1910.8	250	8561	3013.7	1954.1	250
8562	3013.7	1997.4	250	8563	3013.7	2134.7	250	8564	3013.7	2181.3	250	8565	3013.7	2228	250
8566	3013.7	2274.7	250	8567	3013.7	2420.8	250	8568	3013.7	2464.1	250	8569	3013.7	2507.5	250
8570	3013.7	2550.8	250	8571	3013.7	2707.8	250	8572	3013.7	2751.2	250	8573	3013.7	2794.5	250
8574	3013.7	2837.8	250	8575	3013.7	3005.4	250	8576	3013.7	3048.7	250	8577	3013.7	3092.1	250
8578	3013.7	3135.4	250	8579	3013.7	3289.1	250	8580	3013.7	3439.1	250	8581	3084.2	3538.4	250
8582	3127.6	3538.4	250	8583	3170.9	3538.4	250	8584	3214.2	3538.4	250	8585	3333.9	3538.4	250
8586	3380.6	3538.4	250	8587	3427.3	3538.4	250	8588	3473.9	3538.4	250	8589	3618.8	3538.4	250
8590	3662.1	3538.4	250	8591	3705.5	3538.4	250	8592	3748.8	3538.4	250	8593	3919.7	3538.4	250
8594	3963	3538.4	250	8595	4006.4	3538.4	250	8596	4049.7	3538.4	250	8597	4199.5	3538.4	250
8598	4246.2	3538.4	250	8599	4292.8	3538.4	250	8600	4339.5	3538.4	250	8601	4510.7	3538.4	250
8602	4554.1	3538.4	250	8603	4597.4	3538.4	250	8604	4640.7	3538.4	250	8605	4824.5	3538.5	250
8606	4867.8	3538.5	250	8607	4911.1	3538.5	250	8608	4954.5	3538.5	250	8609	5087.8	3538.5	250
8610	5134.5	3538.5	250	8611	5181.2	3538.5	250	8612	5227.8	3538.5	250	8613	5374.8	3538.5	250
8614	5418.1	3538.5	250	8615	5461.4	3538.5	250	8616	5504.8	3538.5	250	8617	2823.7	1044.8	250.2
8618	2975.3	1194.6	250.3	8619	4742.2	3538.5	250.5	8620	2823.7	1082.3	250.5	8621	2937.1	1194.6	250.6
8622	4722.7	3538.5	250.6	8623	3013.7	3488.7	250.8	8624	2823.7	1119.8	250.9	8625	2899.2	1194.6	251
8626	3013.7	1483.7	251.2	8627	2823.7	1157.3	251.3	8628	2861.4	1194.6	251.3	8629	2818.7	1188.5	251.6
8630	2823.7	1194.6	251.6	8631	3013.7	3538.4	251.6	8632	5603.7	3538.5	251.6	8633	3008.7	3543.3	251.6
8634	5598.7	4584.8	251.6	8635	5603.7	4584.8	251.6	8636	5883.7	4584.8	251.6	8637	5603.7	3578.2	251.7
8638	5603.7	3617.8	251.8	8639	5603.7	3657.3	251.8	8640	5603.7	3696.5	251.9	8641	5883.7	4543.8	251.9
8642	5603.7	3735.6	252	8643	5603.7	3774.3	252	8644	5603.7	3812.8	252.1	8645	5603.7	3850.9	252.1
8646	5603.7	3888.9	252.2	8647	5883.7	4502.8	252.2	8648	5603.7	3926.8	252.3	8649	5603.7	3964.9	252.3
8650	3013.7	1508.8	252.4	8651	5603.7	4003.3	252.4	8652	5603.7	4042.4	252.5	8653	5883.7	4461.8	252.5
8654	5603.7	4082.1	252.6	8655	5603.7	4122.1	252.7	8656	5011.9	3538.5	252.8	8657	5883.7	4420.7	252.8
8658	5603.7	4162.3	252.9	8659	5883.7	4379.7	253.1	8660	5603.7	4202.5	253.3	8661	5883.7	4338.7	253.4
8662	5883.7	4297.7	253.7	8663	5603.7	4242.5	253.8	8664	5030.3	3538.5	253.9	8665	5883.7	4256.6	253.9
8666	5883.7	4215.6	254.2	8667	5883.7	4174.6	254.5	8668	5603.7	4282	254.8	8669	5883.7	4133.6	254.8
8670	4996.6	3538.5	255	8671	5603.7	4543.3	255	8672	5883.7	4092.6	255.1	8673	5883.7	4051.5	255.4
8674	5883.7	4010.5	255.7	8675	5577.7	3538.5	256.2	8676	5883.7	3969.5	256.2	8677	5603.7	4321.4	256.5
8678	5598.7	3928.5	256.7	8679	5627.4	3928.5	256.7	8680	5656.2	3928.5	256.7	8681	5826.2	3928.5	256.7
8682	5883.7	3928.5	256.7	8683	5046.3	3538.5	257	8684	3052.7	3538.4	258.2	8685	5603.7	4361	260
8686	5603.7	4396	260	8687	5603.7	4431	260	8688	5603.7	4466	260	8689	5603.7	4501	260
8690	5551.7	3538.5	261	8691	3013.7	3176.4	262.4	8692	5304.6	3538.5	263.3	8693	3013.7	1751.6	263.7
8694	3013.7	2667.5	263.9	8695	3013.7	2649.2	264.4	8696	3013.7	1769.9	264.6	8697	3013.7	1828.5	264.8
8698	5276.5	3538.5	265.2	8699	3013.7	1808.1	265.4	8700	3013.7	1788.7	265.5	8701	4381.6	3538.4	265.5
8702	3013.7	2065.2	265.6	8703	3013.7	2630.7	265.9	8704	4403.5	3538.4	265.9	8705	4470.4	3538.4	266.3
8706	5524.2	3538.5	266.5	8707	4105.7	3538.4	266.6	8708	4088.2	3538.4	266.6	8709	4357.5	3538.4	266.7
8710	3013.7	1851.3	266.7	8711	3013.7	2352.1	266.7	8712	4123.5	3538.4	266.9	8713	4447.7	3538.4	267
8714	3013.7	3155.3	267.1	8715	3785.4	3538.4	267.1	8716	4424.9	3538.4	267.2	8717	4141.9	3538.4	267.2
8718	4494.3	3538.4	267.5	8719	3804.8	3538.4	267.5	8720	3013.7	2959.6	267.6	8721	3013.7	2933.1	267.8
8722	4162	3538.4	267.8	8723	3013.7	2611.2	267.8	8724	3013.7	2324.3	268	8725	3765.7	3538.4	268.1
8726	4995.2	3538.5	268.2	8727	3013.7	2589.2	268.3	8728	3013.7	1730.8	268.3	8729	5329.6	3538.5	268.3
8730	3824.1	3538.4	268.4	8731	3902.8	3538.4	268.5	8732	4806.4	3538.5	268.5	8733	4784.5	3538.5	268.6
8734	3013.7	2908.2	268.6	8735	3882.9	3538.4	268.6	8736	3863.4	3538.4	268.8	8737	5011.4	3538.5	268.8
8738	4978.1	3538.5	268.9	8739	3843.7	3538.4	268.9	8740	5248.6	3538.5	268.9	8741	3013.7	2986.6	269.1
8742	3593.9	3538.4	269.2	8743	4764	3538.5	269.3	8744	3013.7	2564.9	269.3	8745	3288.7	3538.4	269.4
8746	3013.7	2688.2	269.4	8747	4186.5	3538.4	269.5	8748	3013.7	2884.6	269.7	8749	3261.9	3538.4	269.9
8750	3316.5	3538.4	270.1	8751	3013.7	2039	270.1	8752	3013.7	2091.9	270.3	8753	4743.6	3538.5	270.5
8754	5355.4	3538.5	270.5	8755	3013.7	2295.7	270.6	8756	4655.7	3538.4	270.6	8757	5029.5	3538.5	270.7
8758	3013.7	2859.9	271.1	8759	4521.6	3538.4	271.2	8760	4722.8	3538.5	271.2	8761	3565	3538.4	271.2
8762	4330.1	3538.4	271.3	8763	4679.5	3538.4	271.3	8764	3013.7	1876.5	271.5	8765	3013.7	2012.9	271.6
8766	4701.7	3538.5	271.6	8767	3013.7	3127.3	271.9	8768	5071.4	3538.5	272	8769	3013.7	2119.4	272
8770	3497.5	3538.4	272.1	8771	3530	3538.4	272.1	8772	3013.7	2537.6	272.2	8773	3013.7	1565.6	272.2
8774	4214.2	3538.4	272.2	8775	3013.7	2376.6	272.4	8776	4833.3	3538.5	272.4	8777	3013.7	2402.1	272.5
8778	3013.7	1702.7	272.5	8779	4629.2	3538.4	272.5	8780	3013.7	3016	272.5	8781	5495	3538.5	272.5
8782	3235	3538.4	272.6	8783	4068.3	3538.4	272.7	8784	4557.3	3538.4	272.7	8785	3347.3	3538.4	272.8
8786	4292.3	3538.4	272.9	8787	3013.7	1984.7	272.9	8788	5048.7	3538.5	273	8789	5384.6	3538.5	273.1
8790	3013.7	1592.2	273.1	8791	4252.1	3538.4	273.1	8792	4594.5	3538.4	273.1	8793	3013.7	2502.4	273.1
8794	3013.7	1911.5	273.1	8795	3013.7	3090.4	273.3	8796	3013.7	1948.9	273.4	8797	3013.7	2429.9	273.4
8798	3013.7	3052.1	273.4	8799	5420.8	3538.5	273.4	8800	3013.7	2465	273.5	8801	5218.3	3538.5	273.6
8802	3013.7	1627.6	273.6	8803	3013.7	1665.9	273.6	8804	5101.5	3538.5	273.6	8805	5458.7	3538.5	273.7
8806	3386.2	3538.4	273.8	8807	3742.2	3538.4	274	8808	3464.9	3538.4	274.2	8809	3013.7	2265.4	274.3
8810	3013.7	2148.9	274.3	8811	3013.7	2830.3	274.3	8812	3426.6	3538.4	274.4	8813	5140.2	3538.5	274.8
8814	5180.4	3538.5	274.9	8815	3013.7	2186.8	275.1	8816	3013.7	2227	275.2	8817	4869.9	3538.5	275.3
8818	3623.1	3538.4	275.4	8819	3927.2	3538.4	275.4	8820	4949.9	3538.5	275.6	8821	3013.7	2793.3	276.1
8822	3013.7	2716.8	276.2	8823	4910.1	3538.5	276.6	8824	3207	3538.4	277.1	8825	3013.7	2754.2	277.2
8826	4040.3	3538.4	278	8827	3964.4	3538.4	278.1	8828	3013.7	1540.5	278.8	8829	3170.1	3538.4	279
8830	4003.6	3538.4	279.1	8831	3132.3	3538.4	279.3	8832	3097.3	3538.4	279.4	8833	4996.5	3538.5	279.7
8834	2243.7	843.5	280	8835	2269.9	843.5	280	8836	2308.3	843.5	280	8837	2346.6	843.5	280
8838	2384.9	843.5	280	8839	2243.7	848.5	280	8840	3013.7	3193.1	280.5	8841	3073.2	3538.4	280.7
8842	3013.7	1751.6	280.8	8843	3013.7	2667	281.1	8844	5010.3	3538.5	282.8	8845	3013.7	1511	283.2
8846	3013.7	2651.2	283.2	8847	2423.4	843.5	283.3	8848	3013.7	1767.5	283.9	8849	3013.7	1482.1	284.4
8850	3707.4	3538.4	284.5	8851	3013.7	3229.1	284.6	8852	2463.1	843.5	285	8853	3784.4	3538.4	285.6
8854	3013.7	2633.3	285.7	8855	4089.4	3538.4	285.7	8856	3013.7	1787.1	285.9	8857	3013.7	1452	286
8858	2503.4	843.5	286	8859	3661.5	3538.4	286	8860	3803.2	3538.4	286.2	8861	3013.7	1807.8	286.3
8862	5711.8	4584.8	286.4	8863	5752.2	4584.8	286.4	8864	4380.7	3538.4	286.7	8865	5027.7	3538.5	286.7
8866	2544.1	843.5	286.7	8867	4402	3538.4	286.8	8868	3013.7	1829.1	286.9	8869	5672.5	4584.8	287
8870	5793.8	4584.8	287	8871	3766	3538.4	287	8872	2584.9	843.5	287.3	8873	4104.9	3538.4	287.3
8874	3013.7	3259.2	287.7	8875	2625.6	843.5	287.7	8876	3013.7	1424.7	287.8	8877	3822.7	3538.4	288
8878	4123.2	3538.4	288	8879	2666.1	843.5	288.1	8880	3902.8	3538.4	288.1	8881	4984.1	3538.5	288.2
8882	4357.5	3538.4	288.3	8883	4785.7	3538.5	288.4	8884	2706.1	843.5	288.4	8885	4765.9	3538.5	288.7
8886	3013.7	1851.1	288.8	8887	5635.4	4584.8	288.8	8888	5838.5	4584.8	288.8	8889	2745.6	843.5	288.8
8890	4141.8	3538.4	289	8891	3843.4	3538.4	289.1	8892	2784.8	843.5	289.3	8893	3864.2	3538.4	289.3
8894	3884.6	3538.4	289.6	8895	2823.7	1044.7	289.9	8896	2823.7	843.5	290	8897	2823.7	897.2	290
8898	2823.7	933.8	290	8899	2823.7	970.5	290	8900	2823.7	1007.2	290	8901	3013.7	1194.6	290
8902	3013.7	1219.7	290	8903	3013.7	1244.8	290	8904	3013.7	1394.8	290	8905	3013.7	3289.1	290
8906	3013.7	3439.1	290	8907	2823.7	1082.3	290	8908	2975.4	1194.6	290.1	8909	4422.7	3538.4	290.1
8910	2937.3	1194.6	290.2	8911	2823.7	1119.8	290.2	8912	4447.1	3538.4	290.3	8913	3595.6	3538.4	290.3
8914	3013.7	3488.7	290.3	8915	2899.3	1194.6	290.4	8916	4471.4	3538.4	290.4	8917	2823.7	1157.2	290.5
8918	4807.3	3538.5	290.5	8919	2861.5	1194.6	290.5	8920	2818.7	1188.5	290.7	8921	2823.7	1194.6	290.7

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
8922	3013.7	3538.4	290.7	8923	5603.7	3538.5	290.7	8924	3008.7	3543.3	290.7	8925	5598.7	4584.8	290.7
8926	5603.7	4584.8	290.7	8927	5883.7	4584.8	290.7	8928	5603.7	3578.1	290.8	8929	5603.7	3617.7	290.8
8930	5603.7	3657.2	290.9	8931	5603.7	3696.6	291	8932	5603.7	3735.7	291	8933	5603.7	3774.5	291.1
8934	5883.7	4543.8	291.1	8935	5603.7	3813	291.1	8936	5603.7	3851.1	291.2	8937	5603.7	3889	291.2
8938	5603.7	3926.7	291.3	8939	3013.7	2909.5	291.3	8940	5603.7	3964.5	291.4	8941	3013.7	2934.7	291.4
8942	5603.7	4002.8	291.4	8943	5883.7	4502.8	291.4	8944	5603.7	4041.9	291.5	8945	5603.7	4081.7	291.6
8946	3013.7	2614	291.6	8947	5303.2	3538.5	291.7	8948	5603.7	4122	291.7	8949	5883.7	4461.8	291.8
8950	5603.7	4162.4	291.9	8951	4496.2	3538.4	292	8952	3013.7	2961.3	292.1	8953	5883.7	4420.7	292.1
8954	5603.7	4202.8	292.2	8955	5576.3	3538.5	292.3	8956	4746.3	3538.5	292.4	8957	3013.7	3159.7	292.4
8958	5883.7	4379.7	292.5	8959	3013.7	2886.2	292.5	8960	5603.7	4242.7	292.7	8961	5883.7	4338.7	292.8
8962	5276.7	3538.5	292.9	8963	4723.7	3538.5	293.1	8964	5603.7	4544.3	293.1	8965	5883.7	4297.7	293.2
8966	5047.3	3538.5	293.2	8967	3746.9	3538.4	293.3	8968	5603.7	4282.1	293.5	8969	5883.7	4256.6	293.5
8970	5329.2	3538.5	293.7	8971	4162.1	3538.4	293.8	8972	5550	3538.5	293.8	8973	3013.7	1571.2	293.9
8974	5883.7	4215.6	293.9	8975	3013.7	2989	294	8976	4701.3	3538.5	294	8977	3013.7	1735.7	294.1
8978	5883.7	4174.6	294.2	8979	4331.4	3538.4	294.4	8980	5603.7	4320.9	294.6	8981	5883.7	4133.6	294.6
8982	3013.7	2588.4	294.7	8983	4678.3	3538.4	294.8	8984	5883.7	4092.6	295	8985	3013.7	1875.6	295.2
8986	5883.7	4051.5	295.4	8987	4524.3	3538.4	295.5	8988	5603.7	4504.5	295.5	8989	5883.7	4010.5	295.9
8990	3013.7	2682.2	296	8991	5603.7	4359	296	8992	4653.5	3538.4	296	8993	5356.7	3538.5	296.1
8994	3618.4	3538.4	296.2	8995	5603.7	4467.4	296.3	8996	3013.7	2350.6	296.3	8997	4190	3538.4	296.4
8998	5522.2	3538.5	296.4	8999	5603.7	4395.4	296.5	9000	5248.7	3538.5	296.5	9001	5603.7	4431.3	296.6
9002	5883.7	3969.5	296.6	9003	3013.7	2560.7	296.7	9004	3013.7	2064.1	296.8	9005	3013.7	1595.3	297
9006	5075.4	3538.5	297.1	9007	3013.7	3018.8	297.2	9008	5004.5	3538.5	297.2	9009	4294.8	3538.4	297.3
9010	3046.3	3538.4	297.4	9011	4625.3	3538.4	297.6	9012	4557.9	3538.4	297.6	9013	3013.7	2323.8	297.6
9014	4832.6	3538.5	297.6	9015	3013.7	2035.8	297.7	9016	5598.7	3928.5	297.8	9017	5627.4	3928.5	297.8
9018	5656.2	3928.5	297.8	9019	5826.2	3928.5	297.8	9020	5883.7	3928.5	297.8	9021	3013.7	1909.3	297.9
9022	3013.7	3126.9	297.9	9023	3290.7	3538.4	298	9024	3727.3	3538.4	298	9025	4221.2	3538.4	298
9026	3013.7	2861.8	298.1	9027	3013.7	2092.8	298.1	9028	3013.7	1702	298.1	9029	3262.3	3538.4	298.1
9030	4592.7	3538.4	298.2	9031	3013.7	2531.2	298.2	9032	4256.9	3538.4	298.3	9033	3013.7	2403	298.3
9034	5387.4	3538.5	298.3	9035	3013.7	2007.6	298.4	9036	3013.7	2431.4	298.7	9037	3321.5	3538.4	298.7
9038	3013.7	2498.5	298.8	9039	3013.7	3053.6	298.8	9040	3013.7	2464.4	298.8	9041	3013.7	1628.8	298.9
9042	3013.7	1944.4	299	9043	3013.7	1977.6	299.1	9044	3013.7	3090.6	299.1	9045	5491.7	3538.5	299.2
9046	5421.7	3538.5	299.3	9047	3013.7	1665.9	299.6	9048	3013.7	2123	299.6	9049	3354.2	3538.4	299.7
9050	3013.7	2295	299.7	9051	5457.3	3538.5	299.9	9052	5217.3	3538.5	299.9	9053	3235.8	3538.4	300.1
9054	5108.2	3538.5	300.1	9055	3463.2	3538.4	300.2	9056	3495.3	3538.4	300.2	9057	5023.1	3538.5	300.4
9058	3390.7	3538.4	300.5	9059	3427.9	3538.4	300.8	9060	3767.9	3538.4	301.1	9061	3013.7	2155.5	301.1
9062	3013.7	2656.5	301.2	9063	5181.6	3538.5	301.3	9064	3013.7	2376.2	301.3	9065	5144.6	3538.5	301.5
9066	3013.7	2637.9	301.6	9067	3641.1	3538.4	301.8	9068	3013.7	2263.6	302.1	9069	3013.7	2829.8	302.1
9070	3013.7	2191.3	302.1	9071	3013.7	1761.3	302.1	9072	3783.2	3538.4	302.3	9073	3013.7	2228.2	302.4
9074	4399.9	3538.4	302.6	9075	4075.3	3538.4	302.7	9076	4869.1	3538.5	303	9077	3801	3538.4	303.8
9078	4768	3538.5	304.3	9079	3013.7	2793.8	304.5	9080	4360.7	3538.4	304.5	9081	3528.8	3538.4	305
9082	4381.1	3538.4	305	9083	3013.7	2716.2	305.4	9084	3013.7	1784.3	305.6	9085	3920.7	3538.4	305.8
9086	3013.7	1848.4	306	9087	3574.1	3538.4	306.2	9088	4910.3	3538.5	306.5	9089	4785.5	3538.5	306.5
9090	3013.7	2755.4	306.5	9091	4140.2	3538.4	306.5	9092	3074	3538.4	306.6	9093	3208.6	3538.4	306.8
9094	3013.7	1806.8	307.1	9095	3013.7	1829.1	307.1	9096	4804.7	3538.5	307.2	9097	4958.2	3538.5	307.3
9098	4101.7	3538.4	308	9099	3819.8	3538.4	308.3	9100	4040	3538.4	308.3	9101	4123	3538.4	308.6
9102	3103.4	3538.4	309.5	9103	3173.1	3538.4	309.7	9104	3963	3538.4	309.8	9105	3842.8	3538.4	310.1
9106	3137.3	3538.4	310.3	9107	3864.8	3538.4	310.5	9108	4002.7	3538.4	310.5	9109	3013.7	2889.2	310.7
9110	3013.7	1553	312.1	9111	3888.2	3538.4	312.8	9112	3013.7	2909.6	312.9	9113	4446.3	3538.4	313.1
9114	4471.2	3538.4	313.4	9115	3702.9	3538.4	313.8	9116	3754.6	3538.4	314	9117	3013.7	2935.1	314.4
9118	4495.2	3538.4	314.9	9119	3013.7	2962.1	315.4	9120	4725.8	3538.5	315.7	9121	3013.7	1514.8	315.7
9122	4416.7	3538.4	316.1	9123	3727.4	3538.4	316.3	9124	3013.7	1483	316.8	9125	4702.6	3538.5	316.9
9126	5302.7	3538.5	317.2	9127	5036.6	3538.5	317.2	9128	3013.7	2988.5	317.3	9129	4753.3	3538.5	317.6
9130	3013.7	2624.6	317.7	9131	4999	3538.5	317.8	9132	3797.2	3538.4	317.9	9133	5278.5	3538.5	318
9134	3673.5	3538.4	318.2	9135	3013.7	3195.3	318.4	9136	3611.2	3538.4	318.4	9137	3779.2	3538.4	318.5
9138	4679.5	3538.4	319	9139	5327.9	3538.5	319.2	9140	3013.7	3227	319.7	9141	3013.7	1453.7	319.8
9142	3013.7	2350.9	319.9	9143	3013.7	2402.6	319.9	9144	4343.5	3538.4	320.3	9145	3013.7	2683.1	320.8
9146	4521.4	3538.4	321.1	9147	3013.7	1732.6	321.3	9148	3239.3	3538.4	321.5	9149	4654.7	3538.4	321.8
9150	3013.7	1590.9	321.9	9151	3013.7	1865	322	9152	4155.8	3538.4	322.1	9153	3492.2	3538.4	322.3
9154	3013.7	2589.8	322.4	9155	3013.7	2656.6	322.6	9156	2243.7	843.5	322.7	9157	2243.7	848.5	322.7
9158	2273.9	843.5	322.7	9159	5355.2	3538.5	322.7	9160	2308.4	843.5	322.7	9161	2344.7	843.5	322.9
9162	3643.5	3538.4	323.1	9163	3013.7	3016.6	323.3	9164	2382.2	843.5	323.3	9165	3013.7	3162.5	323.4
9166	5075.4	3538.5	323.5	9167	4381.6	3538.4	323.6	9168	5252.9	3538.5	323.6	9169	3013.7	2428.6	323.8
9170	4300.6	3538.4	324	9171	4625.6	3538.4	324.2	9172	3013.7	1757.7	324.2	9173	3262.4	3538.4	324.3
9174	4190.8	3538.4	324.4	9175	4556.5	3538.4	324.4	9176	4821.2	3538.5	324.5	9177	3013.7	2558.5	324.6
9178	2421.4	843.5	324.6	9179	3013.7	1904.6	325	9180	4592.3	3538.4	325	9181	3013.7	2461.5	325
9182	5549.3	3538.5	325.1	9183	3013.7	2326.2	325.4	9184	4224.7	3538.4	325.4	9185	5386.7	3538.5	325.4
9186	4261.6	3538.4	325.5	9187	3013.7	2527.5	325.5	9188	3013.7	1628.2	325.5	9189	3013.7	1703.6	325.5
9190	5521.9	3538.5	325.6	9191	4785.4	3538.5	325.6	9192	2461.7	843.5	325.7	9193	3013.7	2494.6	325.7
9194	3465	3538.4	325.7	9195	3013.7	2062.8	325.9	9196	3013.7	3052.8	325.9	9197	3013.7	3255.3	326
9198	3013.7	1427.4	326	9199	3013.7	2033	326.1	9200	3292.3	3538.4	326.2	9201	3013.7	1940.5	326.2
9202	3013.7	2003.6	326.4	9203	3013.7	3127.7	326.4	9204	2502.6	843.5	326.4	9205	3013.7	1973.3	326.6
9206	5421.4	3538.5	326.6	9207	3013.7	1781.9	326.7	9208	3013.7	3090.8	326.7	9209	3013.7	2093.6	326.7
9210	3013.7	2871.7	326.8	9211	3013.7	1666.6	326.9	9212	2543.8	843.5	327	9213	5111.8	3538.5	327
9214	3324.6	3538.4	327.2	9215	5715.5	4584.8	327.3	9216	5756.1	4584.8	327.3	9217	5457.1	3538.5	327.3
9218	2584.9	843.5	327.4	9219	5491.5	3538.5	327.6	9220	3430.8	3538.4	327.7	9221	2625.9	843.5	327.7
9222	5675.8	4584.8	327.7	9223	5797.6	4584.8	327.7	9224	3013.7	1832.2	327.8	9225	3013.7	2125.9	327.8
9226	3013.7	1806.1	327.9	9227	2666.6	843.5	328	9228	5220.4	3538.5	328	9229	3358.9	3538.4	328
9230	2706.8	843.5	328.2	9231	3394.8	3538.4	328.4	9232	5148.2	3538.5	328.5	9233	2746.2	843.5	328.6
9234	3013.7	2296.9	328.6	9235	5573.9	3538.5	328.6	9236	3862.6	3538.4	328.6	9237	5637.1	4584.8	328.7
9238	5840.4	4584.8	328.7	9239	3013.7	2159.3	328.9	9240	2785.1	843.5	328.9	9241	5184.7	3538.5	329.1
9242	2823.7	1044.7	329.3	9243	2823.7	1007.2	329.3	9244	2823.7	969.7	329.3	9245	2823.7	931.4	329.3
9246	2823.7	843.5	329.3	9247	2823.7	890.7	329.3	9248	2823.7	1082.2	329.4	9249	2823.7	1119.7	329.5
9250	2823.7	1157.2	329.7	9251	2937.4	1194.6	329.7	9252	2899.4	1194.6	329.7	9253	3013.7	2194.7	329.7
9254	2975.5	1194.6	329.7	9255	2861.5	1194.6	329.7	9256	2818.7	1188.5	329.8	9257	2823.7	1194.6	329.8
9258	3013.7	3538.4	329.8	9259	5603.7	3538.5	329.8	9260	3008.7	3543.3	329.8	9261	5598.7	4584.8	329.8
9262	5603.7	4584.8	329.8	9263	5883.7	4584.8	329.8	9264	3013.7	3488.7	329.8	9265	3013.7	2833.2	329.8
9266	5603.7	3578.1	329.9	9267	5603.7	3617.7	329.9	9268	3013.7	2230.2	329.9	9269	5603.7	3657.2	330
9270	5603.7	3696.6	330	9271	3013.7	1194.6	330	9272	3013.7	1219.7	330	9273	3013.7	1244.8	330
9274	3013.7	1394.8	330	9275	3013.7	3289.1	330	9276	3013.7	3439.1	330	9277	5603.7	3735.9	330
9278	3013.7	2264.7	330.1	9279	5603.7	3774.8	330.1	9280	5603.7	3813.4	330.1	9281	5883.7	4543.8	330.2
9282	5603.7	3851.5	330.2	9283	5603.7	3889.3	330.2	9284	5603.7	3926.7	330.3	9285	5603.7	3963.8	330.3
9286	4128	3538.4	330.3	9287	5603.7	4001.6	330.3	9288	5603.7	4040.8	330.4	9289	5603.7	4081	330.5
9290	5883.7	4502.8	330.5	9291	5603.7	4121.7	330.6	9292	4863.1	3538.5	330.7	9293	5603.7	4162.6	330.7
9294	5883.7	4461.8	330.8	9295	5603.7	4203.3	330.9	9296	5883.7	4420.7	331.2	9297	5603.7	4544.7	331.2
9298	5603.7	4243.5	331.3	9299	4449.2	3538.4	331.3	9300	5883.7	4379.7	331.5	9301	3811.5	3538.4	331.5
9302	3841.3	3538.4	331.5	9303	5603.7	4282.7	331.8	9304	5883.7	4338.7	331.8	9305	5883.7	4297.7	332.2
9306	4492	3538.4	332.2	9307	5603.7	4321.1	332.4	9308	5883.7	4256.6	332.5	9309	5603.7	4505.4	332.5
9310	3013.7	2796.2	332.7	9311	5883.7	4215.6	332.8	9312	5603.7	4358.7	333.1	9313	5883.7	4174.6	333.2

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
9314	5603.7	4468	333.2	9315	5603.7	4395.3	333.4	9316	4103.5	3538.4	333.4	9317	5603.7	4431.5	333.4
9318	5883.7	4133.6	333.5	9319	4471	3538.4	333.5	9320	3705.1	3538.4	333.8	9321	5883.7	4092.6	333.8
9322	3013.7	2904.8	334.3	9323	3045	3538.4	334.3	9324	5883.7	4051.5	334.3	9325	4723.7	3538.5	334.9
9326	5883.7	4010.5	335	9327	3013.7	2985.9	335.1	9328	3013.7	2757.3	335.9	9329	5883.7	3969.5	336.3
9330	5281.3	3538.5	336.5	9331	3013.7	2963	336.9	9332	4903.5	3538.5	337.3	9333	3013.7	2934.7	337.4
9334	3013.7	2376.1	337.4	9335	4077.3	3538.4	337.7	9336	3726.4	3538.4	337.7	9337	3781.9	3538.4	338
9338	3753.7	3538.4	338	9339	4704.3	3538.5	338.9	9340	5598.7	3928.5	338.9	9341	5627.4	3928.5	338.9
9342	5656.2	3928.5	338.9	9343	5826.2	3928.5	338.9	9344	5883.7	3928.5	338.9	9345	3074.7	3538.4	339
9346	5301.3	3538.5	339.4	9347	3219.6	3538.4	340.2	9348	3013.7	1733.4	340.6	9349	3516.2	3538.4	340.9
9350	3107.5	3538.4	341.5	9351	4683.1	3538.4	341.8	9352	4041.8	3538.4	342	9353	5324.7	3538.5	342.2
9354	3013.7	2710.6	342.4	9355	3141.1	3538.4	342.7	9356	3177.5	3538.4	342.7	9357	3922.2	3538.4	342.8
9358	3963.1	3538.4	343.6	9359	3566.5	3538.4	343.9	9360	3881.5	3538.4	343.9	9361	4003.5	3538.4	344.1
9362	3013.7	1457.5	344.5	9363	3013.7	3223.3	345	9364	3013.7	1754.7	345.3	9365	3013.7	1779.3	347.4
9366	4430.4	3538.4	347.4	9367	3013.7	1481.6	347.5	9368	4659.8	3538.4	347.9	9369	3609	3538.4	348.2
9370	4509.8	3538.4	348.3	9371	5546.4	3538.5	348.3	9372	4946.9	3538.5	348.5	9373	3013.7	1550.2	348.7
9374	3013.7	2419.6	348.8	9375	3013.7	2663.6	349	9376	5350.2	3538.5	349.1	9377	3013.7	1803.7	349.2
9378	3013.7	1513.3	349.3	9379	3013.7	2334.4	349.4	9380	3013.7	3198	349.4	9381	3013.7	2624.9	349.7
9382	4996	3538.5	349.7	9383	3257.5	3538.4	349.7	9384	3685.9	3538.4	349.8	9385	4741.5	3538.5	350
9386	3473.2	3538.4	350.2	9387	3646.7	3538.4	350.3	9388	5038.1	3538.5	350.3	9389	3013.7	3006.1	351.2
9390	3013.7	2589.4	351.5	9391	4628.2	3538.4	351.7	9392	4553.1	3538.4	351.9	9393	5264.1	3538.5	352.1
9394	3013.7	3164.4	352.1	9395	4343.7	3538.4	352.1	9396	3013.7	2456.6	352.1	9397	4470.4	3538.4	352.4
9398	3013.7	1587.4	352.6	9399	5524	3538.5	352.8	9400	5077.7	3538.5	352.9	9401	4385.4	3538.4	352.9
9402	5384	3538.5	352.9	9403	4303.1	3538.4	352.9	9404	3013.7	1829.8	353	9405	3013.7	2556.3	353.1
9406	4592.6	3538.4	353.3	9407	3013.7	1864.6	353.5	9408	4265	3538.4	353.5	9409	3013.7	2491	353.5
9410	4782	3538.5	353.7	9411	4107.5	3538.4	353.7	9412	3435.2	3538.4	353.7	9413	3013.7	3049.8	353.7
9414	3292.5	3538.4	353.8	9415	4193.4	3538.4	353.8	9416	3013.7	3128.5	354.1	9417	3847.4	3538.4	354.1
9418	4228	3538.4	354.1	9419	3013.7	2524.2	354.2	9420	3013.7	1627.4	354.2	9421	4159.7	3538.4	354.2
9422	3013.7	2300	354.2	9423	5492.6	3538.5	354.3	9424	3013.7	1901.8	354.4	9425	5115	3538.5	354.4
9426	3013.7	1712.8	354.4	9427	5224.9	3538.5	354.4	9428	3013.7	2061.1	354.6	9429	3013.7	1668.8	354.6
9430	3013.7	2030.2	354.8	9431	3013.7	2094.2	354.9	9432	4820.6	3538.5	354.9	9433	3013.7	1937.1	355
9434	5151.5	3538.5	355	9435	5420.4	3538.5	355	9436	3013.7	3090.5	355.1	9437	3013.7	2000.4	355.1
9438	3327.4	3538.4	355.1	9439	5457.5	3538.5	355.3	9440	3013.7	1969.8	355.3	9441	5188	3538.5	355.3
9442	4130.1	3538.4	355.4	9443	3013.7	2128.2	355.5	9444	3398.7	3538.4	355.7	9445	3362.7	3538.4	355.8
9446	3013.7	2162.8	356.3	9447	3013.7	2266.9	356.3	9448	3013.7	2869.9	356.7	9449	3013.7	2232.9	357
9450	3013.7	2197.9	357	9451	3013.7	2835	357.7	9452	4710.6	3538.5	357.8	9453	4858.5	3538.5	358
9454	3013.7	2969.1	358.2	9455	3815.1	3538.4	358.4	9456	4688.9	3538.4	358.6	9457	3720.5	3538.4	358.6
9458	3013.7	2903.4	359	9459	5296.3	3538.5	359.5	9460	3013.7	2800.3	359.5	9461	3013.7	2935.9	359.6
9462	5319.4	3538.5	359.6	9463	3013.7	2766.7	361.3	9464	3752	3538.4	361.5	9465	4893.5	3538.5	361.9
9466	3013.7	1747.6	362.6	9467	3783.6	3538.4	363	9468	3013.7	2738.7	364	9469	3013.7	1800	364.9
9470	3013.7	1437.8	365	9471	2243.7	843.5	365.3	9472	2243.7	848.5	365.3	9473	2273.6	843.5	365.4
9474	2306.7	843.5	365.4	9475	2341.5	843.5	365.5	9476	3013.7	1776.9	365.8	9477	2378	843.5	365.8
9478	3013.7	3244.7	365.9	9479	4921.2	3538.5	366.2	9480	5565.2	3538.5	366.2	9481	2418.2	843.5	366.3
9482	2459.8	843.5	366.8	9483	2501.8	843.5	367.1	9484	2543.4	843.5	367.4	9485	2585	843.5	367.6
9486	5718.4	4584.8	367.8	9487	5759.1	4584.8	367.8	9488	2626.4	843.5	367.8	9489	2667.6	843.5	368
9490	5678.2	4584.8	368	9491	5800.2	4584.8	368	9492	2708.2	843.5	368.1	9493	2747.2	843.5	368.3
9494	5638.3	4584.8	368.4	9495	5841.8	4584.8	368.4	9496	2785.5	843.5	368.5	9497	2823.7	843.5	368.7
9498	2823.7	890.7	368.7	9499	2823.7	931.4	368.7	9500	2823.7	969.7	368.7	9501	2823.7	1007.2	368.7
9502	2823.7	1044.7	368.7	9503	2823.7	1082.2	368.7	9504	2823.7	1119.7	368.8	9505	2823.7	1157.2	368.8
9506	2861.6	1194.6	368.9	9507	2899.6	1194.6	368.9	9508	2818.7	1188.5	368.9	9509	2823.7	1194.6	368.9
9510	3013.7	3538.4	368.9	9511	5603.7	3538.5	368.9	9512	3008.7	3543.3	368.9	9513	5598.7	4584.8	368.9
9514	5603.7	4584.8	368.9	9515	5883.7	4584.8	368.9	9516	5603.7	3578.1	368.9	9517	2937.6	1194.6	368.9
9518	5603.7	3617.7	369	9519	5603.7	3657.3	369	9520	5603.7	3696.8	369	9521	5603.7	3736.2	369
9522	5603.7	3775.4	369.1	9523	5603.7	3814.3	369.1	9524	5603.7	3852.3	369.1	9525	5883.7	4543.8	369.1
9526	5603.7	3889.9	369.1	9527	5603.7	3926.9	369.1	9528	5603.7	3962.7	369.2	9529	2975.6	1194.6	369.2
9530	3013.7	3488.7	369.2	9531	5603.7	3999.2	369.2	9532	5603.7	4039	369.2	9533	5603.7	4079.9	369.3
9534	5603.7	4121.4	369.3	9535	5883.7	4502.8	369.3	9536	5603.7	4162.9	369.4	9537	5603.7	4204.3	369.5
9538	5883.7	4461.8	369.5	9539	5603.7	4544.2	369.6	9540	5603.7	4245.1	369.7	9541	5883.7	4420.7	369.7
9542	5603.7	4283.9	369.9	9543	5883.7	4379.7	369.9	9544	3013.7	1194.6	370	9545	3013.7	1219.7	370
9546	3013.7	1244.8	370	9547	3013.7	1274.8	370	9548	3013.7	1304.8	370	9549	3013.7	1334.8	370
9550	3013.7	1364.8	370	9551	3013.7	1394.8	370	9552	3013.7	3289.1	370	9553	3013.7	3326.6	370
9554	3013.7	3364.1	370	9555	3013.7	3401.6	370	9556	3013.7	3439.1	370	9557	5603.7	4504.5	370.1
9558	5883.7	4338.7	370.2	9559	5603.7	4321.9	370.2	9560	5883.7	4297.7	370.4	9561	5603.7	4359.3	370.5
9562	5603.7	4467.4	370.5	9563	5883.7	4256.6	370.6	9564	5603.7	4395.5	370.6	9565	5603.7	4431.3	370.6
9566	5883.7	4215.6	370.8	9567	5883.7	4174.6	371	9568	3046.2	3538.4	371.2	9569	5883.7	4133.6	371.2
9570	5883.7	4092.6	371.4	9571	5883.7	4051.5	371.8	9572	4088.8	3538.4	372.2	9573	5883.7	4010.5	372.4
9574	3078.3	3538.4	373.5	9575	5883.7	3969.5	374.3	9576	4046.3	3538.4	374.8	9577	3111.3	3538.4	374.9
9578	3013.7	1475.9	375.1	9579	3144.9	3538.4	375.8	9580	3013.7	3203.5	375.8	9581	3180.3	3538.4	376
9582	4005	3538.4	376.2	9583	4673	3538.4	376.2	9584	3217.4	3538.4	376.4	9585	3923	3538.4	377.1
9586	5337.2	3538.5	377.1	9587	5531.2	3538.5	377.4	9588	3013.7	2375.6	377.6	9589	3963.8	3538.4	377.8
9590	3885.7	3538.4	377.9	9591	3013.7	1511.6	378.2	9592	3519.8	3538.4	378.4	9593	3013.7	2705	379
9594	3610.7	3538.4	379.2	9595	3013.7	1548.1	379.2	9596	4125.9	3538.4	379.2	9597	3566.1	3538.4	379.3
9598	4634.2	3538.4	379.4	9599	3013.7	2335.1	379.4	9600	3648.2	3538.4	379.5	9601	4429.4	3538.4	379.5
9602	3476.2	3538.4	379.5	9603	3013.7	1819.3	379.7	9604	4511.2	3538.4	379.8	9605	3013.7	3167.5	379.9
9606	5378.7	3538.5	379.9	9607	3013.7	2417.3	380	9608	5598.7	3928.5	380	9609	5627.4	3928.5	380
9610	5656.2	3928.5	380	9611	5698.7	3928.5	380	9612	5741.2	3928.5	380	9613	5783.7	3928.5	380
9614	5826.2	3928.5	380	9615	5883.7	3928.5	380	9616	4998	3538.5	380.1	9617	3684	3538.4	380.3
9618	3013.7	2662.8	380.4	9619	4470.5	3538.4	380.4	9620	3013.7	2622.1	380.4	9621	3255.5	3538.4	380.6
9622	3013.7	2586.9	380.6	9623	4708	3538.5	380.7	9624	4160.8	3538.4	380.7	9625	3013.7	2453.8	380.7
9626	4742.3	3538.5	380.8	9627	3438	3538.4	380.8	9628	5263.8	3538.5	380.9	9629	5041.3	3538.5	380.9
9630	3013.7	1862.8	380.9	9631	4955.6	3538.5	381	9632	3013.7	2301.7	381.1	9633	3013.7	2487.9	381.1
9634	4231.5	3538.4	381.2	9635	4196.2	3538.4	381.3	9636	4343.2	3538.4	381.3	9637	3013.7	2553.5	381.4
9638	4304.4	3538.4	381.4	9639	5118.5	3538.5	381.4	9640	5081.7	3538.5	381.4	9641	4267.4	3538.4	381.5
9642	4553.5	3538.4	381.5	9643	3013.7	1899.7	381.6	9644	3013.7	3008.1	381.6	9645	3293.5	3538.4	381.6
9646	5419	3538.5	381.7	9647	5497.4	3538.5	381.8	9648	5226.9	3538.5	381.8	9649	5299.7	3538.5	381.8
9650	3013.7	2027.6	381.9	9651	3330.1	3538.4	381.9	9652	3013.7	1585.3	381.9	9653	4594.8	3538.4	381.9
9654	5154.7	3538.5	381.9	9655	3401.6	3538.4	382	9656	4385.5	3538.4	382	9657	5190.7	3538.5	382
9658	3013.7	1668.2	382.1	9659	3013.7	3049.6	382.1	9660	3365.8	3538.4	382.1	9661	3013.7	1998	382.2
9662	3013.7	2521	382.4	9663	3013.7	1709.7	382.4	9664	4820.7	3538.5	382.4	9665	3013.7	2130.6	382.5
9666	3013.7	2058.2	382.5	9667	3851.7	3538.4	382.6	9668	3013.7	3131.3	382.7	9669	5458.9	3538.5	382.7
9670	3013.7	2093.8	382.8	9671	3013.7	1626	382.8	9672	3013.7	2270	382.8	9673	3013.7	3091.1	382.9
9674	3013.7	1934.3	382.9	9675	3013.7	2166.1	383	9676	3013.7	2971.1	383.1	9677	3013.7	1966.9	383.1
9678	4781.1	3538.5	383.1	9679	3013.7	2869.7	383.4	9680	3717.8	3538.4	383.5	9681	4856.7	3538.5	383.7
9682	3013.7	2902.7	383.7	9683	3013.7	2936.5	383.7	9684	3013.7	2836.5	383.8	9685	3013.7	2201.4	383.9
9686	3013.7	2236.3	384.1	9687	3817.5	3538.4	384.2	9688	3013.7	1746.1	384.4	9689	3013.7	1780.8	384.6
9690	3013.7	2803.2	384.6	9691	3013.7	2738.7	384.7	9692	4890.6	3538.5	385.2	9693	3013.7	2770.5	385.7
9694	3750.4	3538.4	386.4	9695	4922.5	3538.5	386.5	9696	3784	3538.4	386.6	9697	2221.2	843.5	408
9698	2243.7	843.5	408	9699	2269.9	843.5	408	9700	2303.3	843.5	408	9701	2336.6	843.5	408
9702	2369.9	843.5	408	9703	2413.7	843.5	408	9704	2457.4	843.5	408	9705	2501.2	843.5	408

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
9706	2543.2	843.5	408	9707	2585.2	843.5	408	9708	2627.2	843.5	408	9709	2669.2	843.5	408
9710	2711.2	843.5	408	9711	2748.7	843.5	408	9712	2786.2	843.5	408	9713	2823.7	843.5	408
9714	2246.2	846	408	9715	2503.7	846	408	9716	2713.7	846	408	9717	2821.2	846	408
9718	2243.7	848.5	408	9719	2501.2	848.5	408	9720	2711.2	848.5	408	9721	2818.7	848.5	408
9722	2818.7	896.2	408	9723	2823.7	897.2	408	9724	2818.7	932.2	408	9725	2823.7	933.8	408
9726	2818.7	968.3	408	9727	2823.7	970.5	408	9728	2818.7	1004.3	408	9729	2823.7	1007.2	408
9730	2818.7	1041.1	408	9731	2823.7	1044.6	408	9732	2818.7	1078	408	9733	2823.7	1082.1	408
9734	2818.7	1114.8	408	9735	2823.7	1119.6	408	9736	2818.7	1151.6	408	9737	2823.7	1157.1	408
9738	2238	1181.7	408	9739	2246.2	1186	408	9740	2503.7	1186	408	9741	2713.7	1186	408
9742	2821.2	1186	408	9743	3011.2	1186	408	9744	2243.7	1188.5	408	9745	2501.2	1188.5	408
9746	2711.2	1188.5	408	9747	2818.7	1188.5	408	9748	2856.7	1188.5	408	9749	2894.7	1188.5	408
9750	2932.7	1188.5	408	9751	2970.7	1188.5	408	9752	3008.7	1188.5	408	9753	2823.7	1188.9	408
9754	2823.7	1194.6	408	9755	2861.7	1194.6	408	9756	2899.7	1194.6	408	9757	2937.7	1194.6	408
9758	2975.7	1194.6	408	9759	3013.7	1194.6	408	9760	3008.8	1214.1	408	9761	3013.7	1219.7	408
9762	3008.8	1239.8	408	9763	3013.7	1244.8	408	9764	3008.9	1273	408	9765	3013.7	1277.3	408
9766	3009	1306.2	408	9767	3013.7	1309.8	408	9768	3009.1	1339.4	408	9769	3013.7	1342.3	408
9770	3009.2	1372.6	408	9771	3013.7	1374.8	408	9772	3009.2	1393.1	408	9773	3013.7	1394.8	408
9774	3009.3	1433.3	408	9775	3013.7	1434.1	408	9776	1903.7	1461.5	408	9777	1897.8	1466.4	408
9778	2246.2	1471	408	9779	3011.2	1471	408	9780	1903.7	1473.5	408	9781	2243.7	1473.5	408
9782	2501.2	1473.5	408	9783	2711.2	1473.5	408	9784	3008.7	1473.5	408	9785	3013.7	1473.5	408
9786	1901.2	1476	408	9787	3013.7	1509.5	408	9788	3009.5	1509.5	408	9789	3013.7	1545.5	408
9790	3009.6	1545.6	408	9791	3013.7	1581.6	408	9792	3009.7	1581.6	408	9793	3013.7	1624.9	408
9794	3013.7	1668.2	408	9795	3013.7	1711.6	408	9796	3013.7	1746.3	408	9797	2246.2	1778.5	408
9798	3011.2	1778.5	408	9799	1903.7	1781	408	9800	2243.7	1781	408	9801	3008.7	1781	408
9802	3013.7	1781	408	9803	1901.2	1783.5	408	9804	3013.7	1824.2	408	9805	3013.7	1867.4	408
9806	3013.7	1899.9	408	9807	3013.7	1932.4	408	9808	3013.7	1964.9	408	9809	3013.7	1997.4	408
9810	3013.7	2024.2	408	9811	2246.2	2048.5	408	9812	3011.2	2048.5	408	9813	1903.7	2051	408
9814	2243.7	2051	408	9815	3008.7	2051	408	9816	3013.7	2051	408	9817	1901.2	2053.5	408
9818	3013.7	2092.8	408	9819	3013.7	2134.7	408	9820	3013.7	2169.7	408	9821	3013.7	2204.7	408
9822	3013.7	2239.7	408	9823	3013.7	2274.7	408	9824	3013.7	2301.6	408	9825	2246.2	2326	408
9826	2503.7	2326	408	9827	2713.7	2326	408	9828	3011.2	2326	408	9829	1903.5	2328.4	408
9830	1253.7	2328.5	408	9831	1588.7	2328.5	408	9832	2243.7	2328.5	408	9833	2501.2	2328.5	408
9834	2711.2	2328.5	408	9835	3008.7	2328.5	408	9836	923.8	2328.6	408	9837	3013.7	2328.6	408
9838	1901	2330.9	408	9839	3013.7	2374.7	408	9840	3013.7	2420.8	408	9841	3013.7	2453.3	408
9842	3013.7	2485.8	408	9843	3013.7	2518.3	408	9844	3013.7	2550.8	408	9845	3013.7	2583.4	408
9846	2246.2	2613.5	408	9847	3011.2	2613.5	408	9848	923.7	2616	408	9849	1903.7	2616	408
9850	2243.7	2616	408	9851	3008.7	2616	408	9852	3013.7	2616	408	9853	1901.2	2618.5	408
9854	3013.7	2661.9	408	9855	3013.7	2707.8	408	9856	3013.7	2740.3	408	9857	3013.7	2772.8	408
9858	3013.7	2805.3	408	9859	3013.7	2837.8	408	9860	3013.7	2869.6	408	9861	2246.2	2898.5	408
9862	3011.2	2898.5	408	9863	1903.7	2901	408	9864	2243.7	2901	408	9865	3008.7	2901	408
9866	923.5	2901.3	408	9867	3013.7	2901.3	408	9868	1901.2	2903.5	408	9869	3013.7	2936	408
9870	3013.7	2970.7	408	9871	3013.7	3005.4	408	9872	3013.7	3048.7	408	9873	3013.7	3092.1	408
9874	3013.7	3135.4	408	9875	3013.7	3169.5	408	9876	2246.2	3201	408	9877	2713.7	3201	408
9878	3011.2	3201	408	9879	1585.4	3203.5	408	9880	1253.7	3203.5	408	9881	1588.7	3203.5	408
9882	1903.7	3203.5	408	9883	2243.7	3203.5	408	9884	2501.2	3203.5	408	9885	2711.2	3203.5	408
9886	3008.7	3203.5	408	9887	923.5	3203.6	408	9888	3013.7	3203.6	408	9889	1901.2	3206	408
9890	3013.7	3246.4	408	9891	3013.7	3289.1	408	9892	3096	3296.2	408	9893	3013.7	3332.4	408
9894	2243.7	3371	408	9895	2411.2	3371	408	9896	2711.2	3371	408	9897	3013.7	3375.7	408
9898	2121.2	3376	408	9899	2221.2	3376	408	9900	3013.7	3419.1	408	9901	3013.7	3439.1	408
9902	2121.2	3476	408	9903	2221.2	3476	408	9904	3009.4	3488.7	408	9905	3013.7	3488.7	408
9906	3008.7	3538.4	408	9907	3013.7	3538.4	408	9908	3044.6	3538.4	408	9909	3049	3538.4	408
9910	3084.2	3538.4	408	9911	3116.7	3538.4	408	9912	3149.2	3538.4	408	9913	3181.7	3538.4	408
9914	3214.2	3538.4	408	9915	3255.2	3538.4	408	9916	3296.2	3538.4	408	9917	3333.9	3538.4	408
9918	3368.9	3538.4	408	9919	3403.9	3538.4	408	9920	3438.9	3538.4	408	9921	3473.9	3538.4	408
9922	3520.1	3538.4	408	9923	3566.2	3538.4	408	9924	3618.8	3538.4	408	9925	3651.3	3538.4	408
9926	3683.8	3538.4	408	9927	3716.3	3538.4	408	9928	3748.8	3538.4	408	9929	3783.8	3538.4	408
9930	3818.7	3538.4	408	9931	3853.7	3538.4	408	9932	3886.7	3538.4	408	9933	3919.7	3538.4	408
9934	3963	3538.4	408	9935	4006.4	3538.4	408	9936	4049.7	3538.4	408	9937	4086.9	3538.4	408
9938	4124	3538.4	408	9939	4161.2	3538.4	408	9940	4199.5	3538.4	408	9941	4234.5	3538.4	408
9942	4269.5	3538.4	408	9943	4304.5	3538.4	408	9944	4339.5	3538.4	408	9945	4385.4	3538.4	408
9946	4431.2	3538.4	408	9947	4471	3538.4	408	9948	4510.7	3538.4	408	9949	4554.1	3538.4	408
9950	4597.4	3538.4	408	9951	4640.7	3538.4	408	9952	4673.4	3538.4	408	9953	4706	3538.5	408
9954	4738.7	3538.5	408	9955	4781.6	3538.5	408	9956	4824.5	3538.5	408	9957	4857	3538.5	408
9958	4889.5	3538.5	408	9959	4922	3538.5	408	9960	4954.5	3538.5	408	9961	4999.1	3538.5	408
9962	5043.7	3538.5	408	9963	5087.8	3538.5	408	9964	5122.8	3538.5	408	9965	5157.8	3538.5	408
9966	5192.8	3538.5	408	9967	5227.8	3538.5	408	9968	5264.5	3538.5	408	9969	5301.2	3538.5	408
9970	5338	3538.5	408	9971	5374.8	3538.5	408	9972	5418.1	3538.5	408	9973	5461.4	3538.5	408
9974	5504.8	3538.5	408	9975	5537.7	3538.5	408	9976	5570.7	3538.5	408	9977	5603.7	3538.5	408
9978	3011.2	3540.8	408	9979	5046.2	3540.9	408	9980	5303.7	3540.9	408	9981	5601.2	3541	408
9982	1903.7	3541	408	9983	1926.2	3541	408	9984	1941.2	3541	408	9985	2246.2	3541	408
9986	3298.7	3541	408	9987	3568.7	3541	408	9988	3856.2	3541	408	9989	4163.7	3541	408
9990	4433.7	3541	408	9991	4741.2	3541	408	9992	3008.7	3543.3	408	9993	5043.7	3543.4	408
9994	5301.2	3543.4	408	9995	5598.7	3543.5	408	9996	1253.7	3543.5	408	9997	1584.2	3543.5	408
9998	1926.2	3543.5	408	9999	2243.7	3543.5	408	10000	3296.2	3543.5	408	10001	3566.2	3543.5	408
10002	3853.7	3543.5	408	10003	4161.2	3543.5	408	10004	4431.2	3543.5	408	10005	4738.7	3543.5	408
10006	1921.2	3546	408	10007	2206.2	3546	408	10008	5603.7	3578.1	408	10009	5603.7	3617.8	408
10010	2411.2	3651	408	10011	2711.2	3651	408	10012	5603.7	3657.4	408	10013	1583.7	3673.5	408
10014	1903.7	3673.5	408	10015	1941.2	3673.5	408	10016	1583.7	3676	408	10017	1903.7	3676	408
10018	5603.7	3697	408	10019	5603.7	3736.7	408	10020	5603.7	3776.3	408	10021	3856.2	3813.5	408
10022	4741.2	3813.5	408	10023	5601.2	3813.5	408	10024	2246.2	3816	408	10025	2713.7	3816	408
10026	3011.2	3816	408	10027	3853.7	3816	408	10028	4738.7	3816	408	10029	5598.7	3816	408
10030	5603.7	3816	408	10031	3853.7	3817.3	408	10032	2243.7	3818.5	408	10033	2711.2	3818.5	408
10034	3008.7	3818.5	408	10035	5603.7	3853.5	408	10036	2243.7	3861	408	10037	1941.2	3861	408
10038	2206.2	3861	408	10039	1941.2	3866	408	10040	2206.2	3866	408	10041	2243.7	3866	408
10042	5603.7	3891	408	10043	5598.7	3928.5	408	10044	5603.7	3928.5	408	10045	5627.4	3928.5	408
10046	5631.9	3928.5	408	10047	5656.2	3928.5	408	10048	5698.7	3928.5	408	10049	5741.2	3928.5	408
10050	5783.7	3928.5	408	10051	5826.2	3928.5	408	10052	5883.7	3928.5	408	10053	5603.7	3961	408
10054	5883.7	3969.5	408	10055	3011.2	3991	408	10056	3856.2	3991	408	10057	4741.2	3991	408
10058	5601.2	3991	408	10059	2711.2	3993.5	408	10060	3008.7	3993.5	408	10061	3853.7	3993.5	408
10062	4738.7	3993.5	408	10063	5598.7	3993.5	408	10064	5603.7	3993.5	408	10065	5883.7	4010.5	408
10066	5603.7	4036	408	10067	5883.7	4051.5	408	10068	5603.7	4078.5	408	10069	5883.7	4092.6	408
10070	5603.7	4121	408	10071	5883.7	4133.6	408	10072	5603.7	4163.5	408	10073	5883.7	4174.6	408
10074	5603.7	4206	408	10075	5883.7	4215.6	408	10076	5303.7	4245.9	408	10077	2713.7	4246	408
10078	3011.2	4246	408	10079	3298.7	4246	408	10080	3568.7	4246	408	10081	4163.7	4246	408
10082	4433.7	4246	408	10083	5046.2	4246	408	10084	5601.2	4246	408	10085	5301.2	4248.4	408
10086	2243.7	4248.5	408	10087	2711.2	4248.5	408	10088	3008.7	4248.5	408	10089	3296.2	4248.5	408
10090	3566.2	4248.5	408	10091	3853.7	4248.5	408	10092	4161.2	4248.5	408	10093	4431.2	4248.5	408
10094	4738.7	4248.5	408	10095	5043.7	4248.5	408	10096	5598.7	4248.5	408	10097	5603.7	4248.5	408

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
10098	3856.2	4255.4	408	10099	4741.2	4256	408	10100	5883.7	4256.6	408	10101	3853.7	4257.9	408
10102	4738.7	4258.5	408	10103	5603.7	4286	408	10104	5883.7	4297.7	408	10105	5603.7	4323.5	408
10106	5883.7	4338.7	408	10107	5603.7	4361	408	10108	5883.7	4379.7	408	10109	5603.7	4396	408
10110	5883.7	4420.7	408	10111	5603.7	4431	408	10112	5883.7	4461.8	408	10113	5603.7	4466	408
10114	5603.7	4501	408	10115	5883.7	4502.8	408	10116	5603.7	4542.9	408	10117	5599.3	4543.1	408
10118	5883.7	4543.8	408	10119	3853.7	4578.5	408	10120	4738.7	4578.5	408	10121	3856.2	4581	408
10122	4741.2	4581	408	10123	5639.4	4584.8	408	10124	5680.1	4584.8	408	10125	5720.8	4584.8	408
10126	5761.6	4584.8	408	10127	5802.3	4584.8	408	10128	5843	4584.8	408	10129	5883.7	4584.8	408
10130	2713.7	4586	408	10131	3011.2	4586	408	10132	3298.7	4586	408	10133	3568.7	4586	408
10134	4163.7	4586	408	10135	4433.7	4586	408	10136	4531.2	4586	408	10137	5046.2	4586	408
10138	5303.7	4586	408	10139	5601.2	4586	408	10140	2711.2	4588.5	408	10141	2243.7	4588.5	408
10142	3008.7	4588.5	408	10143	3296.2	4588.5	408	10144	3566.2	4588.5	408	10145	4161.2	4588.5	408
10146	4431.2	4588.5	408	10147	4528.7	4588.5	408	10148	5043.7	4588.5	408	10149	5301.2	4588.5	408
10150	5598.7	4588.5	408	10151	3853.7	4588.5	408	10152	4738.7	4588.5	408	10153	5603.7	4588.5	408
10154	2711.2	4612.3	408	10155	3008.7	4612.3	408	10156	3856.2	4931	408	10157	4163.7	4931	408
10158	4531.2	4931	408	10159	3853.7	4933.5	408	10160	4161.2	4933.5	408	10161	4528.7	4933.5	408
10162	2221.2	843.5	440	10163	2269.9	843.5	440	10164	2303.3	843.5	440	10165	2336.6	843.5	440
10166	2369.9	843.5	440	10167	2823.7	843.5	440	10168	2823.7	897.2	440	10169	2823.7	933.8	440
10170	2823.7	970.5	440	10171	2823.7	1007.2	440	10172	3013.7	1194.6	440	10173	3013.7	1219.7	440
10174	3013.7	1244.8	440	10175	3013.7	1277.3	440	10176	3013.7	1309.8	440	10177	3013.7	1342.3	440
10178	3013.7	1374.8	440	10179	3013.7	1581.6	440	10180	3013.7	1624.9	440	10181	3013.7	1668.2	440
10182	3013.7	1711.6	440	10183	3013.7	1867.4	440	10184	3013.7	1899.9	440	10185	3013.7	1932.4	440
10186	3013.7	1964.9	440	10187	3013.7	1997.4	440	10188	3013.7	2134.7	440	10189	3013.7	2169.7	440
10190	3013.7	2204.7	440	10191	3013.7	2239.7	440	10192	3013.7	2274.7	440	10193	3013.7	2420.8	440
10194	3013.7	2453.3	440	10195	3013.7	2485.8	440	10196	3013.7	2518.3	440	10197	3013.7	2550.8	440
10198	3013.7	2707.8	440	10199	3013.7	2740.3	440	10200	3013.7	2772.8	440	10201	3013.7	2805.3	440
10202	3013.7	2837.8	440	10203	3013.7	3005.4	440	10204	3013.7	3048.7	440	10205	3013.7	3092.1	440
10206	3013.7	3135.4	440	10207	3013.7	3289.1	440	10208	3013.7	3332.4	440	10209	3013.7	3375.7	440
10210	3013.7	3419.1	440	10211	3084.2	3538.4	440	10212	3116.7	3538.4	440	10213	3149.2	3538.4	440
10214	3181.7	3538.4	440	10215	3214.2	3538.4	440	10216	3333.9	3538.4	440	10217	3368.9	3538.4	440
10218	3403.9	3538.4	440	10219	3438.9	3538.4	440	10220	3473.9	3538.4	440	10221	3618.8	3538.4	440
10222	3651.3	3538.4	440	10223	3683.8	3538.4	440	10224	3716.3	3538.4	440	10225	3748.8	3538.4	440
10226	3919.7	3538.4	440	10227	3963	3538.4	440	10228	4006.4	3538.4	440	10229	4049.7	3538.4	440
10230	4199.5	3538.4	440	10231	4234.5	3538.4	440	10232	4269.5	3538.4	440	10233	4304.5	3538.4	440
10234	4339.5	3538.4	440	10235	4510.7	3538.4	440	10236	4554.1	3538.4	440	10237	4597.4	3538.4	440
10238	4640.7	3538.4	440	10239	4824.5	3538.5	440	10240	4857	3538.5	440	10241	4889.5	3538.5	440
10242	4922	3538.5	440	10243	4954.5	3538.5	440	10244	5087.8	3538.5	440	10245	5122.8	3538.5	440
10246	5157.8	3538.5	440	10247	5192.8	3538.5	440	10248	5227.8	3538.5	440	10249	5374.8	3538.5	440
10250	5418.1	3538.5	440	10251	5461.4	3538.5	440	10252	5504.8	3538.5	440	10253	5603.7	4361	440
10254	5603.7	4396	440	10255	5603.7	4431	440	10256	5603.7	4466	440	10257	5603.7	4501	440
10258	3013.7	2971	441.9	10259	3783.6	3538.4	441.9	10260	3013.7	1546.8	442	10261	5265.1	3538.5	442.5
10262	3013.7	2095.7	442.5	10263	3013.7	2378.2	442.5	10264	4674.8	3538.4	442.5	10265	3013.7	2936.2	442.5
10266	3818.9	3538.4	442.6	10267	3013.7	2869.1	442.8	10268	3887.4	3538.4	442.8	10269	5338.9	3538.5	442.8
10270	3013.7	2304.9	442.8	10271	4785.5	3538.5	442.8	10272	3013.7	2026.8	442.8	10273	3013.7	1510.7	442.9
10274	3013.7	1402.3	442.9	10275	3013.7	1473.8	443	10276	4124.8	3538.4	443.1	10277	3853.9	3538.4	443.2
10278	3013.7	3207.8	443.2	10279	5302.3	3538.5	443.2	10280	3013.7	2058.5	443.2	10281	3013.7	2338	443.2
10282	4746.3	3538.5	443.2	10283	3013.7	1436.8	443.5	10284	4709.7	3538.5	443.5	10285	3013.7	2584.5	443.5
10286	3013.7	2902.3	443.6	10287	2975.7	1194.6	443.6	10288	4471.8	3538.4	443.7	10289	2413.5	843.5	443.8
10290	2785.6	843.5	443.8	10291	2823.7	1044.6	443.8	10292	3049	3538.4	444.2	10293	3013.7	1748.1	444.2
10294	3013.7	1785.5	444.2	10295	5603.7	4542.9	444.4	10296	5603.7	4323.5	444.4	10297	3013.7	1825.5	444.6
10298	5537.8	3538.5	444.7	10299	2937.7	1194.6	444.9	10300	3294.9	3538.4	445.1	10301	5043.7	3538.5	445.1
10302	2456.9	843.5	445.1	10303	2747.2	843.5	445.2	10304	2823.7	1082.1	445.2	10305	3254.9	3538.4	445.2
10306	4999.4	3538.5	445.2	10307	3013.7	2664.1	445.3	10308	3013.7	2621.6	445.4	10309	4384.7	3538.4	445.5
10310	2899.7	1194.6	445.5	10311	2500	843.5	445.7	10312	2708.2	843.5	445.7	10313	3013.7	3452.1	445.7
10314	2823.7	1119.6	445.7	10315	5570.9	3538.5	445.8	10316	2861.7	1194.6	445.9	10317	2542.4	843.5	445.9
10318	2667.6	843.5	445.9	10319	5603.7	4285.8	445.9	10320	2584.5	843.5	446	10321	2823.7	1157.1	446
10322	2626.2	843.5	446	10323	2823.7	1194.6	446.2	10324	3013.7	3538.4	446.2	10325	5603.7	3538.5	446.2
10326	5603.7	4584.8	446.2	10327	5603.7	3578.1	446.2	10328	5603.7	3617.7	446.3	10329	5603.7	3657.3	446.3
10330	4429.5	3538.4	446.3	10331	5603.7	3696.9	446.3	10332	5603.7	3736.4	446.4	10333	5603.7	3775.8	446.4
10334	5603.7	3815	446.5	10335	5603.7	3853.3	446.5	10336	5603.7	4247.3	446.5	10337	5603.7	3891.3	446.5
10338	5603.7	3928.7	446.6	10339	3013.7	3493	446.6	10340	5603.7	3964.9	446.6	10341	5603.7	4001.7	446.7
10342	5603.7	4041.7	446.7	10343	5603.7	4206.9	446.7	10344	5603.7	4082.9	446.7	10345	5603.7	4124.3	446.8
10346	5603.7	4165.8	446.8	10347	3521.6	3538.4	448.8	10348	4089.2	3538.4	448.9	10349	3013.7	3246.1	449
10350	4160.3	3538.4	449.2	10351	3013.7	3173	449.2	10352	3569	3538.4	449.5	10353	3536.1	3538.4	465.8
10354	3554.6	3538.4	466.8	10355	4125	3538.4	467.1	10356	3013.7	3209	467.2	10357	4105.4	3538.4	469.1
10358	3013.7	3229.7	469.1	10359	4144.6	3538.4	469.5	10360	3013.7	3189.4	469.6	10361	3013.7	2971.7	479.4
10362	3782.9	3538.4	479.4	10363	4675.1	3538.4	479.5	10364	2221.2	843.5	480	10365	2269.9	843.5	480
10366	2369.9	843.5	480	10367	2823.7	843.5	480	10368	2823.7	897.2	480	10369	2823.7	1007.2	480
10370	3013.7	1194.6	480	10371	3013.7	1219.7	480	10372	3013.7	1244.8	480	10373	3013.7	1374.8	480
10374	3013.7	1581.6	480	10375	3013.7	1711.6	480	10376	3013.7	1867.4	480	10377	3013.7	1997.4	480
10378	3013.7	2134.7	480	10379	3013.7	2274.7	480	10380	3013.7	2420.8	480	10381	3013.7	2550.8	480
10382	3013.7	2707.8	480	10383	3013.7	2837.8	480	10384	3013.7	3005.4	480	10385	3013.7	3135.4	480
10386	3013.7	3289.1	480	10387	3013.7	3419.1	480	10388	3084.2	3538.4	480	10389	3214.2	3538.4	480
10390	3333.9	3538.4	480	10391	3473.9	3538.4	480	10392	3618.8	3538.4	480	10393	3748.8	3538.4	480
10394	3919.7	3538.4	480	10395	4049.7	3538.4	480	10396	4199.5	3538.4	480	10397	4339.5	3538.4	480
10398	4510.7	3538.4	480	10399	4640.7	3538.4	480	10400	4824.5	3538.5	480	10401	4954.5	3538.5	480
10402	5087.8	3538.5	480	10403	5227.8	3538.5	480	10404	5374.8	3538.5	480	10405	5504.8	3538.5	480
10406	3013.7	2097.8	480	10407	3818.4	3538.4	480.1	10408	3013.7	2380.7	480.1	10409	3013.7	2936.8	480.1
10410	3887.7	3538.4	480.5	10411	3013.7	2869	480.5	10412	3013.7	1547.3	480.6	10413	4787.7	3538.5	480.6
10414	5339.1	3538.5	480.6	10415	3013.7	2307.1	480.6	10416	3013.7	2028.7	480.7	10417	3853.3	3538.4	480.8
10418	4711.7	3538.5	480.8	10419	3013.7	1404.6	480.8	10420	4749.1	3538.5	480.8	10421	3013.7	1512	480.8
10422	3013.7	2902.7	480.9	10423	3013.7	2062.3	481	10424	5264.7	3538.5	481.1	10425	3013.7	1787.5	481.1
10426	3013.7	1475.5	481.1	10427	5301.8	3538.5	481.2	10428	3013.7	2342.6	481.2	10429	3013.7	1439.3	481.4
10430	5603.7	4361	481.7	10431	5603.7	4501	481.7	10432	2975.7	1194.6	481.8	10433	2413.3	843.5	482
10434	2785.1	843.5	482	10435	2823.7	1044.6	482	10436	3049	3538.4	482.5	10437	3013.7	2584.1	482.6
10438	4473.5	3538.4	482.7	10439	2937.7	1194.6	482.8	10440	2456.6	843.5	483.1	10441	2746.3	843.5	483.2
10442	2823.7	1082.1	483.2	10443	5603.7	4542.9	483.4	10444	2899.7	1194.6	483.4	10445	5603.7	4323.8	483.7
10446	2499.5	843.5	483.7	10447	2706.8	843.5	483.8	10448	2823.7	1119.6	483.8	10449	2861.7	1194.6	483.9
10450	3508	3538.4	484	10451	2542	843.5	484	10452	2666.5	843.5	484.1	10453	2823.7	1157.1	484.1
10454	2583.9	843.5	484.2	10455	2625.5	843.5	484.2	10456	2823.7	1194.6	484.4	10457	3013.7	3538.4	484.4
10458	5603.7	3538.5	484.4	10459	5603.7	4584.8	484.4	10460	5603.7	3578.1	484.4	10461	5571.2	3538.5	484.5
10462	5603.7	3617.6	484.5	10463	5603.7	3657.2	484.6	10464	3583.5	3538.4	484.7	10465	5603.7	3696.8	484.7
10466	5603.7	3736.3	484.8	10467	5603.7	3775.6	484.8	10468	5603.7	4286.3	484.9	10469	5603.7	3814.8	484.9
10470	5603.7	3853.6	485	10471	5603.7	3892	485.1	10472	5603.7	3930.2	485.1	10473	5603.7	3968.2	485.2
10474	5603.7	4006.6	485.3	10475	5603.7	4248	485.4	10476	5603.7	4046.4	485.4	10477	5603.7	4086.9	485.5
10478	5603.7	4127.6	485.5	10479	5603.7	4208.5	485.5	10480	4079	3538.4	485.5	10481	3013.7	3257.9	485.5
10482	5603.7	4168.3	485.6	10483	5538.1	3538.5	485.8	10484	3532.6	3538.4	486	10485	4170.6	3538.4	486.1
10486	3013.7	3163.8	486.2	10487	3013.7	1825.2	487.1	10488	5043.8	3538.5	487.2	10489	3013.7	1751	487.3

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
10490	3557.8	3538.4	487.6	10491	3294.2	3538.4	488	10492	3013.7	2623.5	488.2	10493	3013.7	2665.5	488.5
10494	3254.4	3538.4	488.5	10495	4999.1	3538.5	488.6	10496	4429.8	3538.4	488.6	10497	4384.6	3538.4	488.9
10498	3013.7	3498.3	488.9	10499	3013.7	3457.7	489.3	10500	4102	3538.4	492.2	10501	3013.7	3233.9	492.2
10502	4147.9	3538.4	492.9	10503	3013.7	3186.7	493	10504	4125	3538.4	494.3	10505	3013.7	3210.1	494.3
10506	3013.7	1788.4	505.9	10507	3013.7	2637.2	506.3	10508	3280.2	3538.4	506.8	10509	5027.9	3538.5	506.8
10510	3013.7	2653.7	506.9	10511	4415.7	3538.4	507.1	10512	3265.3	3538.4	507.2	10513	3013.7	1809.1	507.2
10514	5011.3	3538.5	507.3	10515	4397.8	3538.4	507.5	10516	3013.7	3472.4	507.8	10517	3013.7	1767.9	507.9
10518	3013.7	3487.3	508.7	10519	3817.7	3538.4	518.7	10520	3853.2	3538.4	519.2	10521	4750.7	3538.5	519.3
10522	3783	3538.4	519.4	10523	3013.7	2971.8	519.4	10524	4676.1	3538.4	519.4	10525	4712.8	3538.5	519.4
10526	3013.7	2937.6	519.6	10527	3887.8	3538.4	519.7	10528	4788.9	3538.5	519.8	10529	3013.7	2577.4	519.9
10530	2221.2	843.5	520	10531	2269.9	843.5	520	10532	2369.9	843.5	520	10533	2823.7	843.5	520
10534	2823.7	897.2	520	10535	2823.7	1007.2	520	10536	3013.7	1194.6	520	10537	3013.7	1219.7	520
10538	3013.7	1244.8	520	10539	3013.7	1374.8	520	10540	3013.7	1581.6	520	10541	3013.7	1711.6	520
10542	3013.7	1867.4	520	10543	3013.7	1997.4	520	10544	3013.7	2134.7	520	10545	3013.7	2274.7	520
10546	3013.7	2420.8	520	10547	3013.7	2550.8	520	10548	3013.7	2707.8	520	10549	3013.7	2837.8	520
10550	3013.7	3005.4	520	10551	3013.7	3135.4	520	10552	3013.7	3289.1	520	10553	3013.7	3419.1	520
10554	3084.2	3538.4	520	10555	3214.2	3538.4	520	10556	3333.9	3538.4	520	10557	3473.9	3538.4	520
10558	3618.8	3538.4	520	10559	3748.8	3538.4	520	10560	3919.7	3538.4	520	10561	4049.7	3538.4	520
10562	4199.5	3538.4	520	10563	4339.5	3538.4	520	10564	4510.7	3538.4	520	10565	4640.7	3538.4	520
10566	4824.5	3538.5	520	10567	4954.5	3538.5	520	10568	5087.8	3538.5	520	10569	5227.8	3538.5	520
10570	5374.8	3538.5	520	10571	5504.8	3538.5	520	10572	3013.7	2029.9	520.1	10573	4481.2	3538.4	520.1
10574	3013.7	2099.3	520.3	10575	3013.7	2870	520.4	10576	3013.7	2903.4	520.5	10577	5264	3538.5	520.7
10578	3013.7	2308.6	520.7	10579	3013.7	1548	520.7	10580	5338.2	3538.5	520.7	10581	3013.7	2064.2	520.8
10582	3013.7	1406.7	520.8	10583	2975.7	1194.6	520.8	10584	3013.7	2382.3	520.8	10585	2823.7	1044.6	521
10586	2413.3	843.5	521	10587	2784.8	843.5	521	10588	3013.7	1513.6	521.3	10589	3013.7	1440.9	521.3
10590	3049	3538.4	521.3	10591	2937.7	1194.6	521.4	10592	2823.7	1082	521.7	10593	2456.5	843.5	521.7
10594	2745.7	843.5	521.8	10595	3504.2	3538.4	521.8	10596	5300.8	3538.5	521.8	10597	2899.7	1194.6	521.8
10598	3013.7	2344.6	521.9	10599	4075.4	3538.4	522.1	10600	2823.7	1119.5	522.1	10601	2499.3	843.5	522.2
10602	3013.7	1477.4	522.2	10603	2861.7	1194.6	522.2	10604	2706.2	843.5	522.2	10605	3587.9	3538.4	522.4
10606	2823.7	1157.1	522.4	10607	2541.7	843.5	522.4	10608	2665.9	843.5	522.4	10609	3013.7	3261.9	522.5
10610	2583.7	843.5	522.5	10611	2625.1	843.5	522.5	10612	2823.7	1194.6	522.5	10613	3013.7	3538.4	522.5
10614	5603.7	3538.5	522.5	10615	5603.7	4584.8	522.5	10616	5603.7	3578	522.7	10617	5603.7	3617.6	522.8
10618	3531.8	3538.4	522.8	10619	4174	3538.4	522.9	10620	3013.7	3160.9	522.9	10621	5603.7	3657.2	522.9
10622	5603.7	3696.7	523	10623	5603.7	4542.9	523	10624	5603.7	3736.2	523.1	10625	5603.7	3775.7	523.2
10626	5603.7	4361	523.3	10627	5603.7	4501	523.3	10628	5603.7	3815	523.3	10629	5603.7	3854.2	523.5
10630	5603.7	3893.2	523.6	10631	3013.7	2609.2	523.6	10632	5603.7	3932.1	523.7	10633	3013.7	2678.4	523.7
10634	5603.7	3971	523.8	10635	3559.4	3538.4	523.9	10636	5603.7	4010.3	523.9	10637	4099.6	3538.4	524
10638	3013.7	3237.1	524	10639	5603.7	4324.3	524	10640	5603.7	4050.2	524.1	10641	4371.2	3538.4	524.2
10642	5603.7	4090.5	524.2	10643	3013.7	1836.9	524.2	10644	5603.7	4130.9	524.3	10645	5056.2	3538.5	524.4
10646	3242.4	3538.4	524.4	10647	5603.7	4287.3	524.4	10648	5603.7	4171	524.4	10649	4985.7	3538.5	524.4
10650	3305.4	3538.4	524.5	10651	5603.7	4210.6	524.5	10652	5603.7	4249.4	524.5	10653	4445.9	3538.4	524.5
10654	4150	3538.4	524.9	10655	3013.7	3185.3	524.9	10656	3013.7	3210.7	525	10657	3013.7	1741	525
10658	3013.7	3447.3	525.1	10659	3013.7	3510.6	525.5	10660	4125	3538.4	525.9	10661	5572.3	3538.5	526.5
10662	3013.7	2632.1	527.2	10663	3013.7	2657.3	527.4	10664	4394	3538.4	527.6	10665	4421.1	3538.4	527.7
10666	3262.2	3538.4	528.2	10667	5007.8	3538.5	528.3	10668	3283.6	3538.4	529.3	10669	3013.7	3491.1	529.3
10670	5031.8	3538.5	529.4	10671	3013.7	3469.5	530	10672	3013.7	1813.2	530.1	10673	3013.7	1764.6	531.4
10674	3013.7	1788.7	532.5	10675	5538.1	3538.5	535.6	10676	3816.7	3538.4	558.6	10677	3853.2	3538.4	558.7
10678	4712.4	3538.5	558.8	10679	4751.2	3538.5	559	10680	3782.3	3538.4	559.4	10681	3013.7	2972.4	559.4
10682	3013.7	2575.4	559.4	10683	4676	3538.4	559.5	10684	3886.8	3538.4	559.6	10685	4788.4	3538.5	559.7
10686	3013.7	2938.6	559.8	10687	2221.2	843.5	560	10688	2269.9	843.5	560	10689	2369.9	843.5	560
10690	2823.7	843.5	560	10691	2823.7	897.2	560	10692	2823.7	1007.2	560	10693	3013.7	1194.6	560
10694	3013.7	1219.7	560	10695	3013.7	1244.8	560	10696	3013.7	1374.8	560	10697	3013.7	1581.6	560
10698	3013.7	1711.6	560	10699	3013.7	1867.4	560	10700	3013.7	1997.4	560	10701	3013.7	2134.7	560
10702	3013.7	2274.7	560	10703	3013.7	2420.8	560	10704	3013.7	2550.8	560	10705	3013.7	2707.8	560
10706	3013.7	2837.8	560	10707	3013.7	3005.4	560	10708	3013.7	3135.4	560	10709	3013.7	3289.1	560
10710	3013.7	3419.1	560	10711	3084.2	3538.4	560	10712	3214.2	3538.4	560	10713	3333.9	3538.4	560
10714	3473.9	3538.4	560	10715	3618.8	3538.4	560	10716	3748.8	3538.4	560	10717	3919.7	3538.4	560
10718	4049.7	3538.4	560	10719	4199.5	3538.4	560	10720	4339.5	3538.4	560	10721	4510.7	3538.4	560
10722	4640.7	3538.4	560	10723	4824.5	3538.5	560	10724	4954.5	3538.5	560	10725	5087.8	3538.5	560
10726	5227.8	3538.5	560	10727	5374.8	3538.5	560	10728	5504.8	3538.5	560	10729	4073.8	3538.4	560.1
10730	2975.7	1194.6	560.2	10731	2823.7	1044.5	560.3	10732	3048.9	3538.4	560.3	10733	2413.4	843.5	560.4
10734	2937.7	1194.6	560.4	10735	2784.7	843.5	560.4	10736	4176	3538.4	560.4	10737	3013.7	3263.8	560.4
10738	3013.7	3159.2	560.4	10739	3013.7	2657.9	560.4	10740	3502.8	3538.4	560.4	10741	2899.7	1194.6	560.5
10742	3013.7	2604.2	560.5	10743	2823.7	1082	560.5	10744	3013.7	2629.7	560.6	10745	2861.7	1194.6	560.6
10746	2456.6	843.5	560.6	10747	3013.7	2682.2	560.7	10748	3261.4	3538.4	560.7	10749	2823.7	1119.5	560.7
10750	2745.5	843.5	560.7	10751	2823.7	1157	560.7	10752	3013.7	3238	560.7	10753	2823.7	1194.6	560.7
10754	3013.7	3538.4	560.7	10755	5603.7	3538.5	560.7	10756	5603.7	4584.8	560.7	10757	4393.5	3538.4	560.7
10758	3013.7	2030.6	560.7	10759	3238.6	3538.4	560.8	10760	4367.1	3538.4	560.8	10761	4151	3538.4	560.8
10762	3013.7	2870.5	560.8	10763	4099.4	3538.4	560.8	10764	3013.7	3184.7	560.8	10765	2499.4	843.5	560.8
10766	3013.7	2100.4	560.9	10767	5603.7	3578	560.9	10768	2705.9	843.5	560.9	10769	4981.5	3538.5	560.9
10770	2541.8	843.5	561	10771	5006.9	3538.5	561	10772	3013.7	3211.2	561	10773	3013.7	1549.5	561
10774	2665.7	843.5	561	10775	5603.7	3617.6	561	10776	2583.6	843.5	561	10777	3013.7	1841.2	561
10778	2625	843.5	561	10779	4481.7	3538.4	561.1	10780	5603.7	3657.1	561.2	10781	4125.1	3538.4	561.3
10782	3308.9	3538.4	561.3	10783	5603.7	3696.7	561.3	10784	3531.2	3538.4	561.3	10785	4424.3	3538.4	561.4
10786	3013.7	1406.8	561.4	10787	5060.1	3538.5	561.4	10788	5603.7	3736.3	561.5	10789	3013.7	2904.3	561.5
10790	3013.7	3444	561.5	10791	3285.9	3538.4	561.5	10792	3589.6	3538.4	561.5	10793	3013.7	3492.1	561.5
10794	5603.7	3775.9	561.6	10795	3013.7	3514	561.6	10796	5262.5	3538.5	561.7	10797	3013.7	3467.4	561.7
10798	3013.7	2065.5	561.7	10799	5603.7	3815.4	561.7	10800	5603.7	3855	561.9	10801	3013.7	2308.5	561.9
10802	5034.4	3538.5	561.9	10803	3013.7	1737.9	561.9	10804	5603.7	3894.5	562	10805	3013.7	1815.9	562.1
10806	5603.7	3934	562.2	10807	3013.7	2383.1	562.3	10808	5337.5	3538.5	562.3	10809	5603.7	3973.6	562.3
10810	5603.7	4013.4	562.5	10811	5603.7	4053.6	562.7	10812	5603.7	4093.9	562.8	10813	5603.7	4542.9	562.9
10814	3560.1	3538.4	563	10815	5603.7	4134.1	563	10816	5603.7	4173.9	563.2	10817	3013.7	1762.7	563.3
10818	4451.2	3538.4	563.3	10819	5603.7	4213.1	563.5	10820	3013.7	1515.2	563.6	10821	3013.7	1440.8	563.7
10822	5603.7	4251.4	563.8	10823	5603.7	4288.7	564.2	10824	3013.7	1789.1	564.2	10825	5603.7	4325.1	564.6
10826	5299.3	3538.5	564.7	10827	3013.7	2344.8	564.8	10828	5603.7	4361	565	10829	5603.7	4501	565
10830	5523.7	3538.5	566.3	10831	3013.7	1478.4	566.5	10832	5577.4	3538.5	567.8	10833	5551.6	3538.5	579.6
10834	3013.7	3211.6	597.5	10835	3013.7	2629.6	597.5	10836	3261.7	3538.4	598	10837	4124.7	3538.4	598.1
10838	3286.1	3538.4	598.2	10839	3816.7	3538.4	598.2	10840	3852.1	3538.4	598.2	10841	3013.7	3466.1	598.5
10842	4751.1	3538.5	598.5	10843	4713	3538.5	598.6	10844	3013.7	3490.4	598.6	10845	3013.7	2656.8	598.6
10846	5007.1	3538.5	598.7	10847	3236.8	3538.4	598.7	10848	3013.7	2602.8	598.7	10849	3013.7	2575.3	598.8
10850	3013.7	2940.2	598.8	10851	3013.7	1789.2	598.8	10852	3013.7	3238.6	598.8	10853	4979.4	3538.5	598.9
10854	3013.7	2684.2	598.9	10855	2823.7	1194.6	598.9	10856	3013.7	3538.4	598.9	10857	5603.7	3538.5	598.9
10858	5603.7	4584.8	598.9	10859	3013.7	3265.5	599	10860	4072.7	3538.4	599	10861	3013.7	1843.4	599
10862	3013.7	3514.2	599	10863	3310.5	3538.4	599	10864	3530.1	3538.4	599.1	10865	2861.7	1194.6	599.1
10866	5603.7	3578	599.1	10867	3013.7	3185.4	599.1	10868	2823.7	1157	599.1	10869	4364.8	3538.4	599.1
10870	3013.7	3159.3	599.1	10871	5034.7	3538.5	599.1	10872	3013.7	3442.1	599.1	10873	4150.5	3538.4	599.1
10874	4176	3538.4	599.1	10875	4423.1	3538.4	599.2	10876	4099	3538.4	599.2	10877	5603.7	3617.5	599.2
10878	2899.7	1194.6	599.2	10879	2823.7	1119.4	599.3	10880	4393.9	3538.4	599.3	10881	5603.7	3657.1	599.4

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
10882	2937.7	1194.6	599.4	10883	5062	3538.5	599.5	10884	3013.7	1736.2	599.5	10885	2823.7	1081.9	599.5
10886	5603.7	3696.7	599.6	10887	2542	843.5	599.6	10888	2499.6	843.5	599.6	10889	2583.8	843.5	599.6
10890	3049	3538.4	599.6	10891	2625	843.5	599.7	10892	2456.8	843.5	599.7	10893	2975.7	1194.6	599.7
10894	2665.7	843.5	599.7	10895	3013.7	2972.9	599.7	10896	2823.7	1044.5	599.7	10897	2705.9	843.5	599.7
10898	3502.1	3538.4	599.7	10899	5603.7	3736.4	599.7	10900	2413.6	843.5	599.8	10901	2745.5	843.5	599.8
10902	3013.7	1816.1	599.8	10903	2784.7	843.5	599.9	10904	5603.7	3776.2	599.9	10905	3886.5	3538.4	600
10906	2221.2	843.5	600	10907	2269.9	843.5	600	10908	2369.9	843.5	600	10909	2823.7	843.5	600
10910	2823.7	897.2	600	10911	2823.7	1007.2	600	10912	3013.7	1194.6	600	10913	3013.7	1219.7	600
10914	3013.7	1244.8	600	10915	3013.7	1374.8	600	10916	3013.7	1581.6	600	10917	3013.7	1711.6	600
10918	3013.7	1867.4	600	10919	3013.7	1997.4	600	10920	3013.7	2134.7	600	10921	3013.7	2274.7	600
10922	3013.7	2420.8	600	10923	3013.7	2550.8	600	10924	3013.7	2707.8	600	10925	3013.7	2837.8	600
10926	3013.7	3005.4	600	10927	3013.7	3135.4	600	10928	3013.7	3289.1	600	10929	3013.7	3419.1	600
10930	3084.2	3538.4	600	10931	3214.2	3538.4	600	10932	3333.9	3538.4	600	10933	3473.9	3538.4	600
10934	3618.8	3538.4	600	10935	3748.8	3538.4	600	10936	3919.7	3538.4	600	10937	4049.7	3538.4	600
10938	4199.5	3538.4	600	10939	4339.5	3538.4	600	10940	4510.7	3538.4	600	10941	4640.7	3538.4	600
10942	4824.5	3538.5	600	10943	4954.5	3538.5	600	10944	5087.8	3538.5	600	10945	5227.8	3538.5	600
10946	5374.8	3538.5	600	10947	5504.8	3538.5	600	10948	3781.8	3538.4	600.1	10949	5603.7	3816	600.1
10950	4788.6	3538.5	600.1	10951	3013.7	1762.7	600.1	10952	4676	3538.4	600.2	10953	5603.7	3855.8	600.2
10954	5603.7	3895.8	600.4	10955	3013.7	1552.7	600.4	10956	5603.7	3935.8	600.6	10957	5603.7	3976	600.8
10958	5603.7	4016.3	600.9	10959	5603.7	4056.7	601.1	10960	3013.7	1405.1	601.2	10961	5603.7	4097.1	601.4
10962	4483.3	3538.4	601.4	10963	3013.7	2869.7	601.4	10964	3590.8	3538.4	601.6	10965	5603.7	4137.3	601.6
10966	5603.7	4177	601.9	10967	3013.7	2030.5	602.2	10968	3013.7	2101.3	602.3	10969	5603.7	4215.9	602.4
10970	5603.7	4542.9	602.7	10971	5603.7	4253.9	603	10972	5259.6	3538.5	603.3	10973	3013.7	2306.5	603.5
10974	5603.7	4290.7	603.9	10975	5603.7	4326.3	605.1	10976	3013.7	2384.5	605.2	10977	5580.7	3538.5	605.3
10978	5338	3538.5	605.3	10979	3013.7	2066.1	605.3	10980	5529.6	3538.5	605.6	10981	4452.8	3538.4	606.3
10982	3013.7	2905.6	606.3	10983	3013.7	1438.1	606.3	10984	3013.7	1518.3	606.4	10985	3559.9	3538.4	606.5
10986	5603.7	4361	606.7	10987	5603.7	4501	606.7	10988	5560.4	3538.5	608.8	10989	3013.7	2343	614.7
10990	5296.4	3538.5	614.8	10991	3013.7	1477.4	622.1	10992	4438.7	3538.4	628.1	10993	3545.9	3538.4	628.5
10994	3013.7	2921.9	629.1	10995	4420.1	3538.4	629.7	10996	3527.6	3538.4	630.2	10997	3013.7	2943.4	630.6
10998	3013.7	2629.3	632.4	10999	3013.7	3212.1	632.8	11000	4124.4	3538.4	632.9	11001	3013.7	1789.5	633.2
11002	3286.4	3538.4	634.1	11003	3013.7	3464.5	634.4	11004	5034.7	3538.5	634.5	11005	5006.8	3538.5	634.6
11006	3261.5	3538.4	634.6	11007	3013.7	3488.3	635.3	11008	3310.7	3538.4	636.3	11009	3013.7	3441.5	636.3
11010	4979.5	3538.5	636.4	11011	3236.8	3538.4	636.6	11012	3013.7	3514.1	636.8	11013	5062.1	3538.5	636.8
11014	3850.3	3538.4	636.9	11015	2823.7	1194.6	637.1	11016	3013.7	3538.4	637.1	11017	5603.7	3538.5	637.1
11018	5603.7	4584.8	637.1	11019	5603.7	3578	637.3	11020	4176.2	3538.4	637.3	11021	5519.3	3538.5	637.3
11022	3013.7	2575.1	637.4	11023	3816.6	3538.4	637.4	11024	4364.4	3538.4	637.4	11025	3013.7	2684.3	637.4
11026	3013.7	3159	637.4	11027	4750.5	3538.5	637.4	11028	5603.7	3617.5	637.4	11029	3013.7	1843.9	637.5
11030	2823.7	1156.9	637.5	11031	2861.7	1194.6	637.5	11032	3013.7	1555.9	637.5	11033	3013.7	1735.7	637.5
11034	3013.7	3266.1	637.6	11035	5603.7	3657.1	637.6	11036	4714.3	3538.5	637.6	11037	3013.7	1401.5	637.6
11038	4072.1	3538.4	637.6	11039	5603.7	3696.8	637.8	11040	2823.7	1119.2	637.9	11041	2899.7	1194.6	637.9
11042	5603.7	3736.5	638	11043	5252.3	3538.5	638.1	11044	3013.7	2300	638.1	11045	5603.7	3776.4	638.1
11046	2584.1	843.5	638.2	11047	2542.4	843.5	638.2	11048	2625.3	843.5	638.2	11049	4394.3	3538.4	638.3
11050	5603.7	3816.5	638.3	11051	2500.1	843.5	638.3	11052	2665.9	843.5	638.3	11053	3013.7	1429	638.4
11054	2937.7	1194.6	638.4	11055	2823.7	1081.7	638.4	11056	4487.1	3538.4	638.5	11057	5603.7	3856.7	638.5
11058	2706	843.5	638.5	11059	2457.4	843.5	638.6	11060	3594.4	3538.4	638.7	11061	5603.7	3897.1	638.7
11062	3013.7	2865.4	638.8	11063	3013.7	2603.1	638.8	11064	2745.6	843.5	638.8	11065	5603.7	3937.6	638.9
11066	3013.7	2655.9	639	11067	5603.7	3978.3	639	11068	2975.7	1194.6	639.1	11069	3013.7	3186.3	639.1
11070	2823.7	1044.4	639.1	11071	2414	843.5	639.1	11072	5603.7	4019	639.2	11073	4149.5	3538.4	639.3
11074	2784.8	843.5	639.3	11075	5603.7	4059.7	639.4	11076	3013.7	1815.8	639.5	11077	4099.1	3538.4	639.5
11078	3013.7	3238.2	639.6	11079	3013.7	2322.5	639.6	11080	3013.7	1527.1	639.7	11081	5603.7	4100.3	639.7
11082	3049.5	3538.4	639.7	11083	5275.2	3538.5	639.9	11084	5603.7	4140.6	640	11085	2221.2	843.5	640
11086	2269.9	843.5	640	11087	2369.9	843.5	640	11088	2823.7	843.5	640	11089	2823.7	897.2	640
11090	2823.7	1007.2	640	11091	3013.7	1194.6	640	11092	3013.7	1219.7	640	11093	3013.7	1244.8	640
11094	3013.7	1374.8	640	11095	3013.7	1581.6	640	11096	3013.7	1711.6	640	11097	3013.7	1867.4	640
11098	3013.7	1997.4	640	11099	3013.7	2134.7	640	11100	3013.7	2274.7	640	11101	3013.7	2420.8	640
11102	3013.7	2550.8	640	11103	3013.7	2707.8	640	11104	3013.7	2837.8	640	11105	3013.7	3005.4	640
11106	3013.7	3135.4	640	11107	3013.7	3289.1	640	11108	3013.7	3419.1	640	11109	3084.2	3538.4	640
11110	3214.2	3538.4	640	11111	3333.9	3538.4	640	11112	3473.9	3538.4	640	11113	3618.8	3538.4	640
11114	3748.8	3538.4	640	11115	3919.7	3538.4	640	11116	4049.7	3538.4	640	11117	4199.5	3538.4	640
11118	4339.5	3538.4	640	11119	4510.7	3538.4	640	11120	4640.7	3538.4	640	11121	4824.5	3538.5	640
11122	4954.5	3538.5	640	11123	5087.8	3538.5	640	11124	5227.8	3538.5	640	11125	5374.8	3538.5	640
11126	5504.8	3538.5	640	11127	3013.7	1763.3	640.1	11128	3502.5	3538.4	640.2	11129	5603.7	4180.3	640.4
11130	3013.7	2972.9	640.7	11131	4462.7	3538.4	640.8	11132	5603.7	4219.2	640.9	11133	5577.9	3538.5	641.1
11134	3569.7	3538.4	641.1	11135	5548.9	3538.5	641.7	11136	5603.7	4256.9	641.8	11137	3886.5	3538.4	642
11138	3013.7	2893.8	642	11139	4789.4	3538.5	642.2	11140	3013.7	1451.9	642.2	11141	5603.7	4542.9	642.4
11142	3780.5	3538.4	642.6	11143	4675.2	3538.4	642.7	11144	3013.7	2028.7	642.9	11145	3013.7	2104.1	643
11146	5603.7	4293.3	643.1	11147	3013.7	1503.2	644.4	11148	5603.7	4328	645.2	11149	3013.7	2390.3	645.3
11150	5343.5	3538.5	645.6	11151	4443.1	3538.4	648.2	11152	5603.7	4361	648.3	11153	5603.7	4501	648.3
11154	3550.2	3538.4	648.8	11155	3839.2	3538.4	649.7	11156	4739.1	3538.5	650.1	11157	3827	3538.4	650.2
11158	3013.7	2916.7	650.3	11159	4725.9	3538.5	650.4	11160	4424.2	3538.4	652	11161	3531.6	3538.4	652.9
11162	3013.7	2938.8	654.2	11163	4408	3538.4	654.6	11164	3013.7	2629.3	654.6	11165	3013.7	3212	655.5
11166	3013.7	2066.2	655.7	11167	4124.2	3538.4	655.7	11168	3013.7	2614.8	655.8	11169	3013.7	2643.9	656
11170	3013.7	3197.7	656.4	11171	3516.1	3538.4	656.5	11172	3013.7	1789.8	656.5	11173	4138.1	3538.4	656.8
11174	3013.7	3226.4	656.9	11175	4110.3	3538.4	657.1	11176	3013.7	1804.3	657.2	11177	3013.7	2957.2	658
11178	3013.7	1775	658.1	11179	4776.7	3538.5	659.9	11180	3856.6	3538.4	659.9	11181	3874.4	3538.4	659.9
11182	4757.6	3538.5	660	11183	3810.2	3538.4	660.6	11184	3792.5	3538.4	660.7	11185	4707.6	3538.5	660.9
11186	4688.4	3538.4	661	11187	3013.7	2357	661	11188	5310.6	3538.5	661.4	11189	3841	3538.4	662.9
11190	4741.3	3538.5	663.3	11191	3825.2	3538.4	663.6	11192	4724.3	3538.5	663.6	11193	5524	3538.5	665.4
11194	3013.7	1474.1	665.5	11195	3013.7	1449.6	665.8	11196	3013.7	2324.5	666.8	11197	3013.7	1425.8	666.8
11198	3013.7	3462.3	667.1	11199	5006.5	3538.5	667.4	11200	3286.5	3538.4	667.5	11201	5035	3538.5	667.6
11202	5277.8	3538.5	668.1	11203	3260.9	3538.4	668.3	11204	4467.4	3538.4	669.7	11205	4385.4	3538.4	669.8
11206	3013.7	3177.6	669.8	11207	3013.7	2594.6	670	11208	3013.7	3440.6	670.1	11209	3574.2	3538.4	670.2
11210	3013.7	1531.1	670.3	11211	3013.7	2664.9	670.3	11212	4157.9	3538.4	670.4	11213	3311.1	3538.4	670.4
11214	3013.7	2298.1	670.6	11215	3013.7	1399.4	670.7	11216	3013.7	1824.1	670.7	11217	5063	3538.5	670.8
11218	4978.5	3538.5	670.9	11219	3013.7	1503.5	671	11220	4179.2	3538.4	671.1	11221	4489.6	3538.4	671.2
11222	3596.8	3538.4	671.2	11223	3013.7	3484.3	671.2	11224	4361	3538.4	671.3	11225	4090.9	3538.4	671.4
11226	5250.9	3538.5	671.5	11227	3013.7	3156.2	671.5	11228	3235.7	3538.4	671.6	11229	3013.7	1732.2	671.7
11230	4446	3538.4	671.7	11231	3013.7	2687.7	671.7	11232	3013.7	1754	671.7	11233	3013.7	1558.4	671.8
11234	3013.7	1846.1	671.8	11235	3013.7	3269.6	671.9	11236	3013.7	3247.2	671.9	11237	3013.7	2572.6	672.1
11238	4069.4	3538.4	672.3	11239	3553.2	3538.4	672.5	11240	3013.7	2887.7	672.7	11241	3013.7	2861.8	672.8
11242	4405.6	3538.4	673.5	11243	3013.7	2021	673.5	11244	4425.4	3538.4	673.6	11245	3013.7	2612	673.9
11246	3013.7	2646.6	674.3	11247	4800.7	3538.5	674.3	11248	3897.4	3538.4	674.4	11249	3495.7	3538.4	674.4
11250	3013.7	3512.3	674.5	11251	3013.7	3194.7	674.5	11252	3013.7	2112	674.5	11253	3013.7	2629.1	674.8
11254	3013.7	2042.5	674.9	11255	3533.2	3538.4	675.1	11256	2823.7	1194.6	675.3	11257	3013.7	3538.4	675.3
11258	5603.7	3538.5	675.3	11259	5603.7	4584.8	675.3	11260	5603.7	3578	675.4	11261	4140.8	3538.4	675.5
11262	4664.1	3538.4	675.5	11263	5603.7	3617.5	675.6	11264	3013.7	3229.1	675.7	11265	3013.7	1807.2	675.7
11266	3013.7	2981.6	675.7	11267	2823.7	1156.8	675.8	11268	5603.7	3657.1	675.8	11269	2861.7	1194.6	675.8
11270	3013.7	3211.8	675.9	11271	3013.7	2089.7	675.9	11272	5603.7	3696.8	675.9	11273	4107.6	3538.4	676

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
11274	3013.7	2398.3	676.1	11275	3770.4	3538.4	676.1	11276	5603.7	3736.6	676.1	11277	5351.2	3538.5	676.2
11278	3013.7	2912.7	676.3	11279	5603.7	3776.6	676.3	11280	3514.3	3538.4	676.3	11281	2823.7	1119	676.3
11282	2899.7	1194.6	676.4	11283	5603.7	3817	676.4	11284	2584.6	843.5	676.6	11285	5603.7	3857.6	676.6
11286	2543	843.5	676.6	11287	2625.7	843.5	676.7	11288	5603.7	3898.4	676.8	11289	2500.9	843.5	676.8
11290	2666.4	843.5	676.8	11291	5603.7	3939.4	677	11292	2937.7	1194.6	677	11293	2706.4	843.5	677.1
11294	5603.7	3980.5	677.1	11295	2823.7	1081.4	677.1	11296	4124.2	3538.4	677.2	11297	2458.4	843.5	677.2
11298	5603.7	4021.7	677.3	11299	5603.7	4062.8	677.5	11300	2745.9	843.5	677.7	11301	4781.8	3538.5	677.7
11302	5603.7	4103.6	677.7	11303	3013.7	1772	677.8	11304	2975.7	1194.6	678	11305	5603.7	4144.1	678
11306	2415.1	843.5	678	11307	3013.7	1790.2	678.1	11308	3879.3	3538.4	678.2	11309	2823.7	1044.1	678.3
11310	3013.7	2937	678.4	11311	5603.7	4184	678.4	11312	2784.9	843.5	678.6	11313	5603.7	4223	679.1
11314	3013.7	2959.8	679.2	11315	4762	3538.5	679.3	11316	5577.2	3538.5	679.3	11317	3787.9	3538.4	679.5
11318	4683.3	3538.4	679.7	11319	3860.3	3538.4	679.9	11320	2221.2	843.5	680	11321	2269.9	843.5	680
11322	2303.3	843.5	680	11323	2336.6	843.5	680	11324	2369.9	843.5	680	11325	2823.7	843.5	680
11326	2823.7	897.2	680	11327	2823.7	1007.2	680	11328	3013.7	1194.6	680	11329	3013.7	1219.7	680
11330	3013.7	1244.8	680	11331	3013.7	1288.1	680	11332	3013.7	1331.5	680	11333	3013.7	1374.8	680
11334	3013.7	1581.6	680	11335	3013.7	1624.9	680	11336	3013.7	1668.2	680	11337	3013.7	1711.6	680
11338	3013.7	1867.4	680	11339	3013.7	1910.8	680	11340	3013.7	1954.1	680	11341	3013.7	1997.4	680
11342	3013.7	2134.7	680	11343	3013.7	2181.3	680	11344	3013.7	2228	680	11345	3013.7	2274.7	680
11346	3013.7	2420.8	680	11347	3013.7	2464.1	680	11348	3013.7	2507.5	680	11349	3013.7	2550.8	680
11350	3013.7	2707.8	680	11351	3013.7	2751.2	680	11352	3013.7	2794.5	680	11353	3013.7	2837.8	680
11354	3013.7	3005.4	680	11355	3013.7	3048.7	680	11356	3013.7	3092.1	680	11357	3013.7	3135.4	680
11358	3013.7	3289.1	680	11359	3013.7	3332.4	680	11360	3013.7	3375.7	680	11361	3013.7	3419.1	680
11362	3084.2	3538.4	680	11363	3127.6	3538.4	680	11364	3170.9	3538.4	680	11365	3214.2	3538.4	680
11366	3333.9	3538.4	680	11367	3380.6	3538.4	680	11368	3427.3	3538.4	680	11369	3473.9	3538.4	680
11370	3618.8	3538.4	680	11371	3662.1	3538.4	680	11372	3705.5	3538.4	680	11373	3748.8	3538.4	680
11374	3919.7	3538.4	680	11375	3963	3538.4	680	11376	4006.4	3538.4	680	11377	4049.7	3538.4	680
11378	4199.5	3538.4	680	11379	4246.2	3538.4	680	11380	4292.8	3538.4	680	11381	4339.5	3538.4	680
11382	4510.7	3538.4	680	11383	4554.1	3538.4	680	11384	4597.4	3538.4	680	11385	4640.7	3538.4	680
11386	4824.5	3538.5	680	11387	4867.8	3538.5	680	11388	4911.1	3538.5	680	11389	4954.5	3538.5	680
11390	5087.8	3538.5	680	11391	5134.5	3538.5	680	11392	5181.2	3538.5	680	11393	5227.8	3538.5	680
11394	5374.8	3538.5	680	11395	5418.1	3538.5	680	11396	5461.4	3538.5	680	11397	5504.8	3538.5	680
11398	5603.7	4260.8	680	11399	5331	3538.5	680.1	11400	3013.7	2377.4	680.9	11401	3806.7	3538.4	681
11402	4742.8	3538.5	681.1	11403	5603.7	4543.1	681.3	11404	3842.5	3538.4	681.5	11405	5603.7	4297.1	681.6
11406	4704.1	3538.5	681.8	11407	4723.4	3538.5	681.9	11408	3824.5	3538.4	682.7	11409	3052.7	3538.4	682.9
11410	5549.9	3538.5	684.2	11411	5603.7	4331.3	684.4	11412	3013.7	1446.8	687.3	11413	3013.7	3458.2	690
11414	5603.7	4361	690	11415	5603.7	4407.6	690	11416	5603.7	4454.3	690	11417	5603.7	4501	690
11418	3013.7	2065.6	691.9	11419	3013.7	1425.1	692.5	11420	3013.7	3173.8	694.4	11421	4470	3538.4	694.5
11422	3013.7	3437.7	694.7	11423	4381.6	3538.4	694.8	11424	3576.2	3538.4	694.9	11425	5522.6	3538.5	695
11426	4447.7	3538.4	695	11427	3013.7	2591.8	695	11428	3013.7	2609.9	695.1	11429	4403.9	3538.4	695.4
11430	3013.7	2040.5	695.6	11431	3555	3538.4	695.6	11432	4425.7	3538.4	695.7	11433	4493.3	3538.4	695.8
11434	3013.7	2628.6	695.8	11435	3013.7	1827.1	695.8	11436	4161.5	3538.4	695.8	11437	3013.7	3192.1	696
11438	3013.7	2648	696	11439	3013.7	2668.5	696.1	11440	3287	3538.4	696.3	11441	5036.6	3538.5	696.4
11442	5006.1	3538.5	696.4	11443	3013.7	2015.7	696.6	11444	4357.8	3538.4	696.7	11445	3013.7	1809.2	696.7
11446	3598.5	3538.4	696.8	11447	4182.5	3538.4	696.9	11448	3013.7	2321.3	697	11449	3312.6	3538.4	697.3
11450	3013.7	1397.9	697.3	11451	4806.3	3538.5	697.3	11452	3260	3538.4	697.4	11453	3013.7	2349.7	697.4
11454	3013.7	2090.9	697.5	11455	3534.3	3538.4	697.5	11456	4087.5	3538.4	697.6	11457	4142.6	3538.4	697.6
11458	3013.7	3211.2	697.6	11459	4784.6	3538.5	697.7	11460	3013.7	1749.1	697.9	11461	5067.4	3538.5	698
11462	4106.5	3538.4	698	11463	3013.7	1534	698	11464	3013.7	3274.2	698.1	11465	3013.7	3230.6	698.1
11466	3013.7	1727.3	698.2	11467	4975.3	3538.5	698.2	11468	3013.7	3153	698.3	11469	3903.1	3538.4	698.3
11470	4764.3	3538.5	698.6	11471	3513.6	3538.4	698.7	11472	3013.7	2293	698.8	11473	3013.7	1561.4	698.8
11474	3013.7	2691.6	698.9	11475	5304.8	3538.5	698.9	11476	3882.7	3538.4	699.1	11477	3013.7	1848.5	699.3
11478	5274.6	3538.5	699.5	11479	3232.1	3538.4	699.5	11480	3013.7	2117.4	699.6	11481	4520	3538.4	699.7
11482	3013.7	2857.1	699.8	11483	3013.7	3410.1	699.9	11484	4065.4	3538.4	700	11485	4657.7	3538.4	700
11486	4832.9	3538.5	700.1	11487	3862.2	3538.4	700.2	11488	5246.3	3538.5	700.2	11489	3013.7	1989.7	700.2
11490	4743.9	3538.5	700.4	11491	3013.7	3251.1	700.5	11492	3013.7	3299.6	700.6	11493	3013.7	2883.3	700.8
11494	3013.7	2402.2	700.8	11495	4681	3538.4	700.9	11496	3013.7	2571	700.9	11497	3013.7	1791.4	701
11498	3492	3538.4	701.1	11499	4124.7	3538.4	701.2	11500	3013.7	1700.6	701.2	11501	4556.2	3538.4	701.2
11502	3843.5	3538.4	701.2	11503	4944.2	3538.5	701.3	11504	5099.9	3538.5	701.3	11505	4869	3538.5	701.3
11506	3013.7	3334.9	701.3	11507	3013.7	3373.1	701.3	11508	4629.6	3538.4	701.4	11509	3013.7	2263.1	701.4
11510	3013.7	3125.3	701.5	11511	5494.6	3538.5	701.5	11512	4723.1	3538.5	701.5	11513	3094.6	3538.4	701.5
11514	3785.6	3538.4	701.5	11515	4594.2	3538.4	701.6	11516	4907.3	3538.5	701.7	11517	3805.1	3538.4	701.7
11518	3013.7	1590.6	701.8	11519	3129.8	3538.4	701.9	11520	3203.2	3538.4	702	11521	3013.7	2146.5	702
11522	3167.4	3538.4	702.2	11523	3764.2	3538.4	702.2	11524	3013.7	1505	702.3	11525	4330.8	3538.4	702.3
11526	3013.7	2224.2	702.3	11527	3624.2	3538.4	702.3	11528	5139.2	3538.5	702.4	11529	3013.7	3089.1	702.4
11530	3013.7	1664.8	702.4	11531	5357.1	3538.5	702.5	11532	3072.5	3538.4	702.5	11533	3013.7	2183.9	702.6
11534	3013.7	1626.8	702.6	11535	5217.6	3538.5	702.6	11536	3013.7	2829	702.7	11537	3013.7	1769.2	702.7
11538	3013.7	2718.4	702.7	11539	5384.6	3538.5	702.8	11540	5458.5	3538.5	702.8	11541	3013.7	3051.5	702.8
11542	5179.7	3538.5	702.9	11543	3013.7	1367.8	703	11544	3013.7	2988.2	703	11545	3013.7	3016.2	703
11546	5420.7	3538.5	703	11547	3013.7	1466	703.1	11548	5331.5	3538.5	703.3	11549	3013.7	2792.2	703.3
11550	3013.7	2754	703.5	11551	3013.7	2427.6	703.8	11552	3013.7	2908.7	703.9	11553	3928	3538.4	704.3
11554	4702.8	3538.5	704.6	11555	4207.2	3538.4	704.7	11556	3013.7	2962.1	704.8	11557	3340.1	3538.4	704.9
11558	3824.3	3538.4	705	11559	4039.9	3538.4	705.1	11560	3013.7	2936	705.5	11561	3013.7	2376.9	706
11562	3738.8	3538.4	706.1	11563	3013.7	2542.2	706.4	11564	3965.5	3538.4	706.7	11565	4004.4	3538.4	706.9
11566	3013.7	1957.3	707.4	11567	3013.7	3473.9	707.7	11568	3013.7	1332.2	708	11569	3380.6	3538.4	708
11570	4247.3	3538.4	708.4	11571	3702.6	3538.4	708.6	11572	3013.7	2504.7	708.9	11573	3423	3538.4	709.2
11574	3013.7	1916	709.5	11575	3013.7	1875	710.3	11576	3464.3	3538.4	710.3	11577	3659.8	3538.4	710.8
11578	3013.7	3507.1	711.1	11579	4293	3538.4	711.3	11580	3013.7	2462.5	711.3	11581	3013.7	3172.9	712
11582	3013.7	2593	713.4	11583	2823.7	1194.6	713.5	11584	3013.7	3538.4	713.5	11585	5603.7	3538.5	713.5
11586	5603.7	4584.8	713.5	11587	5603.7	3577.9	713.6	11588	3013.7	1810.9	713.7	11589	5603.7	3617.4	713.7
11590	5603.7	3657	713.9	11591	2823.7	1156.6	714	11592	2861.7	1194.6	714	11593	5603.7	3696.7	714
11594	5603.7	3736.5	714.2	11595	5603.7	3776.7	714.3	11596	5603.7	3817.2	714.4	11597	2899.7	1194.6	714.5
11598	2823.7	1118.6	714.6	11599	5603.7	3858.2	714.6	11600	3013.7	2608.5	714.7	11601	5603.7	3899.6	714.7
11602	2585.2	843.5	714.8	11603	2543.7	843.5	714.8	11604	2626.4	843.5	714.8	11605	5603.7	3941.2	714.9
11606	2501.9	843.5	715	11607	2667	843.5	715	11608	5603.7	3982.8	715	11609	2937.7	1194.6	715.1
11610	5603.7	4024.4	715.2	11611	2460	843.5	715.3	11612	4143.7	3538.4	715.3	11613	5603.7	4065.9	715.4
11614	2707	843.5	715.4	11615	2823.7	1080.9	715.5	11616	5575.6	3538.5	715.5	11617	5603.7	4107.1	715.6
11618	3013.7	2627.7	715.8	11619	4181.3	3538.4	715.8	11620	2418	843.5	715.8	11621	5603.7	4147.9	715.8
11622	2975.7	1194.6	715.9	11623	2746.3	843.5	716	11624	3013.7	1826	716.1	11625	3013.7	1431.4	716.2
11626	3013.7	1252.4	716.2	11627	5603.7	4188.1	716.2	11628	3556.2	3538.4	716.2	11629	4471.4	3538.4	716.4
11630	3013.7	1223	716.5	11631	4403.5	3538.4	716.5	11632	2376.6	843.5	716.6	11633	3013.7	3231.3	716.6
11634	3576	3538.4	716.7	11635	3013.7	3189.3	716.7	11636	4381.1	3538.4	716.7	11637	5603.7	4227.4	716.7
11638	3013.7	2647.9	716.8	11639	4448.6	3538.4	716.8	11640	2338.9	843.5	716.8	11641	4785.2	3538.5	716.9
11642	4162.4	3538.4	716.9	11643	4106.7	3538.4	716.9	11644	2301.8	843.5	716.9	11645	2263.7	843.5	717
11646	2823.7	1043.5	717	11647	2221.2	843.5	717	11648	3013.7	1194.6	717	11649	4765.2	3538.5	717.1
11650	4531.2	4936.5	717.2	11651	4425.7	3538.4	717.2	11652	4494.3	3538.4	717.3	11653	4163.7	4936.2	717.3
11654	3903.8	3538.4	717.3	11655	2785.1	843.5	717.3	11656	3856.2	4936	717.4	11657	3831.2	4936	717.4
11658	3013.7	3275.9	717.5	11659	4806.8	3538.5	717.5	11660	5603.7	4265.6	717.5	11661	3045.2	3538.4	717.6
11662	5603.7	4543.6	717.7	11663	3013.7	1292.6	717.7	11664	3013.7	1746.4	717.9	11665	3311.2	3538.4	717.9

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
11666	3856.2	4931	718	11667	4163.7	4931	718	11668	4531.2	4931	718	11669	5548.8	3538.5	718
11670	3013.7	2668.2	718.1	11671	3013.7	3440.8	718.3	11672	4357.7	3538.4	718.3	11673	3013.7	2038.9	718.4
11674	3843.4	3538.4	718.4	11675	3597.1	3538.4	718.6	11676	3013.7	2013.2	718.6	11677	3013.7	2064.4	718.7
11678	4724	3538.5	718.7	11679	5603.7	4302.7	718.8	11680	3853.7	4931	719.1	11681	4161.2	4931	719.1
11682	4531.4	4931	719.1	11683	3013.7	1844.4	719.1	11684	4680.2	3538.4	719.2	11685	3013.7	3211	719.3
11686	3013.7	1537.3	719.3	11687	3805.4	3538.4	719.4	11688	3536.5	3538.4	719.6	11689	3013.7	1990.9	719.7
11690	3884.7	3538.4	719.8	11691	3515.2	3538.4	719.8	11692	2823.7	843.5	720	11693	2823.7	897.2	720
11694	2823.7	933.8	720	11695	2823.7	970.5	720	11696	2823.7	1007.2	720	11697	3862.4	3538.4	720.4
11698	4745.2	3538.5	720.5	11699	5603.7	4338.8	720.6	11700	3495	3538.4	720.7	11701	3013.7	2404.7	720.8
11702	4088	3538.4	720.9	11703	3288.6	3538.4	721	11704	3013.7	2388.8	721.4	11705	5603.7	4502	721.8
11706	3013.7	3301	721.8	11707	4334	3538.4	721.9	11708	3013.7	1725.6	722	11709	3619.5	3538.4	722.3
11710	4656.8	3538.4	722.4	11711	4831.8	3538.5	722.4	11712	3013.7	2090.5	722.4	11713	4520.1	3538.4	722.6
11714	3013.7	1561.2	722.8	11715	5603.7	4374.9	722.8	11716	3786.8	3538.4	722.9	11717	3013.7	1860.2	722.9
11718	3013.7	2425.1	722.9	11719	3013.7	1399.3	723.1	11720	3070	3538.4	723.1	11721	5603.7	4459	723.1
11722	5521.5	3538.5	723.3	11723	3478.6	3538.4	723.4	11724	5603.7	4416.2	723.4	11725	3013.7	2855	723.7
11726	3013.7	2690.6	723.8	11727	3260.3	3538.4	723.9	11728	3013.7	3409	723.9	11729	5038.7	3538.5	724
11730	5006.2	3538.5	724.1	11731	3013.7	3335.3	724.1	11732	3013.7	3155.5	724.4	11733	4973.6	3538.5	724.6
11734	5071.4	3538.5	724.6	11735	4065.8	3538.4	724.6	11736	4867	3538.5	724.8	11737	3013.7	3372.3	724.9
11738	4555.4	3538.4	724.9	11739	4626.4	3538.4	725	11740	3013.7	2119	725.2	11741	3097.4	3538.4	725.3
11742	3013.7	1697.2	725.3	11743	3013.7	1592.3	725.5	11744	4591.9	3538.4	725.7	11745	3013.7	2878.3	725.8
11746	3230.2	3538.4	725.8	11747	4903.9	3538.5	725.8	11748	4312.3	3538.4	725.8	11749	4939.7	3538.5	725.9
11750	3013.7	2318.2	725.9	11751	3129.6	3538.4	726	11752	5105.9	3538.5	726.1	11753	3013.7	2289.5	726.1
11754	3640.4	3538.4	726.2	11755	3765	3538.4	726.2	11756	5490.9	3538.5	726.2	11757	3013.7	2444.4	726.2
11758	3013.7	3122.9	726.6	11759	3013.7	1797.1	726.6	11760	5142.4	3538.5	726.7	11761	3013.7	1627.2	726.7
11762	3164.8	3538.4	726.8	11763	3013.7	2258.3	726.8	11764	5214.1	3538.5	726.8	11765	3013.7	1663.1	726.9
11766	5243.4	3538.5	726.9	11767	3198.7	3538.4	727	11768	5179.6	3538.5	727	11769	3013.7	2344.3	727
11770	3013.7	2150.5	727	11771	3013.7	2222.2	727.3	11772	5456.7	3538.5	727.3	11773	3013.7	2720.9	727.3
11774	3013.7	3088.1	727.4	11775	5389	3538.5	727.4	11776	3013.7	2185.2	727.5	11777	5421.7	3538.5	727.6
11778	3013.7	2828.7	727.7	11779	3013.7	1367.9	727.7	11780	5360.9	3538.5	727.7	11781	3013.7	3053.4	728.1
11782	3013.7	2756.1	728.4	11783	3013.7	2792.9	728.6	11784	3013.7	3020.5	728.6	11785	3013.7	2579.2	730
11786	3013.7	2991.7	730.5	11787	5270.7	3538.5	730.9	11788	3013.7	2367.1	731	11789	3013.7	1336.9	731.1
11790	4126	3538.4	731.3	11791	4766.1	3538.5	731.5	11792	5335.4	3538.5	732.1	11793	3013.7	1764.3	732.3
11794	3013.7	3252.4	732.5	11795	4040.5	3538.4	732.5	11796	3556.9	3538.4	732.5	11797	5303.6	3538.5	732.8
11798	4804	3538.5	732.8	11799	3013.7	2902.9	733	11800	3013.7	2964.1	733.4	11801	3824.3	3538.4	733.6
11802	4199.1	3538.4	733.6	11803	3013.7	2604	733.7	11804	3740.1	3538.4	733.7	11805	4784.7	3538.5	733.8
11806	3923.4	3538.4	733.9	11807	3013.7	1820.8	734	11808	4492.9	3538.4	734.2	11809	4703.5	3538.5	734.2
11810	3013.7	1312.6	734.8	11811	3013.7	2665.8	735	11812	3013.7	2935.5	735	11813	3332.4	3538.4	735.6
11814	3013.7	2625.8	735.8	11815	4004.8	3538.4	735.9	11816	3965.6	3538.4	736	11817	3013.7	2542.9	736.1
11818	3013.7	2647.6	736.4	11819	4403.3	3538.4	736.6	11820	4473	3538.4	736.6	11821	3573.8	3538.4	736.8
11822	3013.7	1516.6	737.1	11823	4381.7	3538.4	737.2	11824	3013.7	3181.1	737.3	11825	3013.7	1841.8	737.4
11826	3013.7	2384.8	737.4	11827	4162.8	3538.4	737.7	11828	3705.8	3538.4	737.9	11829	3377.3	3538.4	738.5
11830	4242.3	3538.4	738.6	11831	4449.5	3538.4	738.7	11832	4358.6	3538.4	739	11833	3495.1	3538.4	739.1
11834	3013.7	2506.5	739.1	11835	3476.3	3538.4	739.2	11836	3013.7	1861.1	739.2	11837	3454.8	3538.4	739.3
11838	3418.6	3538.4	739.3	11839	3013.7	3213.4	739.6	11840	4425.1	3538.4	739.7	11841	3013.7	1472.8	739.8
11842	3013.7	2403.1	740	11843	3013.7	1883	740.1	11844	3013.7	1921.1	740.2	11845	3515.6	3538.4	740.2
11846	3013.7	2008.3	740.2	11847	3594.5	3538.4	740.3	11848	3013.7	1970.3	740.3	11849	3013.7	2037.3	740.6
11850	3670.2	3538.4	740.8	11851	3013.7	2855.7	740.9	11852	3013.7	2471.8	741.2	11853	4281.1	3538.4	741.3
11854	3858.6	3538.4	741.8	11855	3889.9	3538.4	741.9	11856	4334.8	3538.4	742	11857	3013.7	2062.6	742
11858	4093.1	3538.4	742.3	11859	3013.7	2423.5	742.6	11860	4070.1	3538.4	743.4	11861	4748.4	3538.5	743.5
11862	3791.8	3538.4	743.5	11863	3013.7	2872.7	743.9	11864	3617.1	3538.4	744.1	11865	3013.7	3474.6	744.3
11866	4310	3538.4	744.3	11867	3013.7	3294.3	744.4	11868	3013.7	1731.2	744.4	11869	3013.7	2445.5	744.4
11870	3540.6	3538.4	744.5	11871	3769.3	3538.4	744.7	11872	3013.7	1435.5	745.1	11873	4662.9	3538.4	745.1
11874	3295.6	3538.4	745.2	11875	3642.5	3538.4	745.5	11876	3013.7	3442.8	746.8	11877	3013.7	1554.2	747
11878	4820.4	3538.5	747.1	11879	5240.1	3538.5	747.4	11880	3013.7	2087.6	747.6	11881	3013.7	1253.3	747.9
11882	5365.1	3538.5	747.9	11883	3013.7	3147.7	748	11884	3013.7	3503.1	748.4	11885	4511.4	3538.4	748.7
11886	3069	3538.4	748.7	11887	3013.7	3333.1	748.7	11888	5547.9	3538.5	748.8	11889	3013.7	1282.9	749.2
11890	3262.2	3538.4	749.6	11891	3013.7	1401.2	749.7	11892	3013.7	1697.8	749.9	11893	5519.9	3538.5	749.9
11894	4626.6	3538.4	750	11895	3097.2	3538.4	750.1	11896	3013.7	3371.6	750.1	11897	4783.9	3538.5	750.3
11898	3013.7	2681.8	750.4	11899	4862	3538.5	750.5	11900	3013.7	1797.7	750.5	11901	3013.7	1590.1	750.5
11902	3013.7	3409.6	750.6	11903	5215.8	3538.5	750.9	11904	4552.3	3538.4	751	11905	5572.7	3538.5	751.3
11906	3045	3538.4	751.3	11907	5074.5	3538.5	751.3	11908	5040.5	3538.5	751.3	11909	5006.5	3538.5	751.4
11910	4590.2	3538.4	751.4	11911	3013.7	2604.6	751.5	11912	5181.9	3538.5	751.6	11913	3013.7	2118.8	751.6
11914	5388.7	3538.5	751.6	11915	2823.7	1194.6	751.6	11916	3013.7	3538.4	751.6	11917	5603.7	3538.5	751.6
11918	5603.7	4584.8	751.6	11919	4972.2	3538.5	751.6	11920	5109.7	3538.5	751.6	11921	3013.7	3121.3	751.7
11922	4900.3	3538.5	751.7	11923	5603.7	3577.9	751.7	11924	5145.7	3538.5	751.8	11925	3128.2	3538.4	751.8
11926	5603.7	3617.3	751.8	11927	3013.7	1226.3	751.9	11928	5603.7	3656.8	751.9	11929	4936.8	3538.5	751.9
11930	2861.7	1194.6	752	11931	2823.7	1156.3	752	11932	5603.7	3696.4	752	11933	3229.5	3538.4	752.1
11934	5603.7	3736.2	752.2	11935	5603.7	3776.4	752.3	11936	3013.7	2342.5	752.3	11937	3013.7	1626.3	752.3
11938	5489.7	3538.5	752.3	11939	5603.7	3817.1	752.4	11940	5421.1	3538.5	752.4	11941	2899.7	1194.6	752.5
11942	3013.7	1662.8	752.5	11943	5603.7	3858.6	752.5	11944	3013.7	2719.9	752.5	11945	2823.7	1118	752.5
11946	5603.7	3900.6	752.6	11947	5603.7	3942.9	752.7	11948	2586	843.5	752.7	11949	2544.5	843.5	752.7
11950	2627.2	843.5	752.7	11951	5603.7	3985.2	752.8	11952	2502.9	843.5	752.8	11953	4402.8	3538.4	752.8
11954	3162.5	3538.4	752.8	11955	2668	843.5	752.9	11956	2937.7	1194.6	752.9	11957	5603.7	4027.2	752.9
11958	3013.7	1368.5	752.9	11959	3013.7	2151.7	753	11960	2461.4	843.5	753	11961	3013.7	3088	753
11962	5455.6	3538.5	753	11963	5603.7	4069.1	753	11964	3013.7	2317.1	753.1	11965	3196.4	3538.4	753.1
11966	5603.7	4110.7	753.2	11967	2708.1	843.5	753.2	11968	2823.7	1079.9	753.2	11969	3013.7	2288.2	753.3
11970	2420.2	843.5	753.3	11971	5603.7	4151.9	753.4	11972	2975.7	1194.6	753.4	11973	3013.7	2362.5	753.4
11974	3013.7	2256.3	753.6	11975	3013.7	3054.4	753.6	11976	5603.7	4192.6	753.6	11977	2379.7	843.5	753.6
11978	3013.7	2186	753.7	11979	3013.7	2221.3	753.7	11980	2747.1	843.5	753.7	11981	3013.7	2756.9	753.8
11982	2340.3	843.5	753.8	11983	2301.4	843.5	753.9	11984	3013.7	2838.7	754	11985	2262	843.5	754
11986	2221.2	843.5	754	11987	3013.7	1194.6	754	11988	5603.7	4232.4	754	11989	3013.7	3022.9	754.1
11990	5603.7	4544.7	754.1	11991	2823.7	1042.1	754.2	11992	3013.7	2795.4	754.3	11993	5603.7	4271	754.6
11994	2785.6	843.5	754.6	11995	3476.7	3538.4	754.8	11996	3566.2	3538.4	755	11997	3013.7	1337.2	755
11998	3013.7	2624.8	755.2	11999	3013.7	2651.2	755.3	12000	3013.7	1818.1	755.3	12001	5603.7	4308.7	755.4
12002	2823.7	1004.5	755.4	12003	3013.7	1859.4	755.5	12004	3013.7	1308.4	755.6	12005	2823.7	966.7	755.8
12006	2823.7	928.4	755.9	12007	2823.7	888.4	756	12008	2823.7	843.5	756	12009	3013.7	2994.6	756.1
12010	5603.7	4504.3	756.3	12011	5603.7	4346	756.4	12012	3512.3	3538.4	756.4	12013	4383.9	3538.4	756.5
12014	4478.9	3538.4	756.7	12015	3494.1	3538.4	756.9	12016	3013.7	2380.5	757.2	12017	5603.7	4383.7	757.4
12018	3013.7	1841	757.4	12019	5603.7	4463.6	757.4	12020	5603.7	4423.1	757.7	12021	3013.7	2060	759.1
12022	4360.4	3538.4	759.7	12023	4451.4	3538.4	760.3	12024	3013.7	2400.3	760.5	12025	3013.7	2038.9	760.8
12026	3013.7	1989.2	760.9	12027	3013.7	2012.7	761	12028	3589.5	3538.4	761.1	12029	3013.7	2967	762.5
12030	4336.8	3538.4	762.8	12031	3013.7	2883.2	763.1	12032	4051.5	3538.4	763.2	12033	3013.7	2420.7	763.7
12034	3751.2	3538.4	764.3	12035	5261.2	3538.5	764.4	12036	5345.6	3538.5	764.5	12037	3013.7	2930.5	764.6
12038	5303.6	3538.5	765	12039	4421.2	3538.4	765.4	12040	3013.7	2584.9	765.8	12041	4008.6	3538.4	766.6
12042	3013.7	1777.7	766.8	12043	4126.2	3538.4	767	12044	3013.7	3166.3	767.2	12045	3013.7	2544.5	767.6
12046	3968.5	3538.4	767.7	12047	4089.7	3538.4	767.7	12048	3710.8	3538.4	767.8	12049	3013.7	3470.9	768.3
12050	3459.8	3538.4	768.3	12051	3612.7	3538.4	768.4	12052	3013.7	2361	768.5	12053	4311.8	3538.4	768.6
12054	3013.7	2442.8	768.6	12055	3822.8	3538.4	768.7	12056	3787.9	3538.4	768.9	12057	3929.2	3538.4	769

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
12058	3013.7	3250.1	769.1	12059	4163.6	3538.4	769.1	12060	4201.6	3538.4	769.2	12061	3418	3538.4	769.3
12062	4240.9	3538.4	769.4	12063	3013.7	3209.2	769.4	12064	3377.2	3538.4	769.5	12065	3013.7	2507.3	769.8
12066	3013.7	1876	769.9	12067	3013.7	2473	769.9	12068	4278.6	3538.4	770.2	12069	3674.3	3538.4	770.2
12070	3336.6	3538.4	770.2	12071	3071.8	3538.4	770.3	12072	4703.9	3538.5	770.5	12073	5543.8	3538.5	770.9
12074	3013.7	1254.9	770.9	12075	3892.8	3538.4	770.9	12076	3642.2	3538.4	771.1	12077	3013.7	1916.5	771.1
12078	3857.9	3538.4	771.4	12079	3527.2	3538.4	772	12080	3013.7	1473.7	772.2	12081	3013.7	1512.6	772.6
12082	3013.7	1736.9	772.7	12083	4744.2	3538.5	773.1	12084	3013.7	3445	773.4	12085	5222.7	3538.5	773.4
12086	3013.7	1955.4	773.6	12087	4664.6	3538.4	773.8	12088	3013.7	1437	774	12089	3298.9	3538.4	774
12090	5383.2	3538.5	774.2	12091	3013.7	2078.5	774.4	12092	3013.7	3290.8	774.5	12093	3094.3	3538.4	774.6
12094	3013.7	3126.2	774.7	12095	3493.3	3538.4	775	12096	3013.7	2345.8	775.1	12097	5520.4	3538.5	775.2
12098	3013.7	1812.8	775.3	12099	3013.7	1277.3	775.6	12100	3013.7	1550.2	775.8	12101	3013.7	2618.9	775.8
12102	4782.2	3538.5	775.8	12103	4820.2	3538.5	775.8	12104	4390.7	3538.4	775.9	12105	3013.7	3331.4	776
12106	3013.7	2998.3	776	12107	3263.5	3538.4	776.1	12108	3013.7	1402.2	776.2	12109	5186.1	3538.5	776.3
12110	3013.7	3410.2	776.5	12111	3013.7	3371.3	776.5	12112	4626.7	3538.4	776.6	12113	4859.3	3538.5	776.8
12114	3013.7	2374.7	776.9	12115	3013.7	1699.9	776.9	12116	3013.7	1843.7	776.9	12117	5419	3538.5	777
12118	3013.7	2116.5	777	12119	3126.2	3538.4	777.2	12120	3013.7	3089.8	777.3	12121	5149.6	3538.5	777.3
12122	3560.8	3538.4	777.4	12123	3013.7	1588	777.4	12124	5077.6	3538.5	777.6	12125	4589.2	3538.4	777.7
12126	4513.9	3538.4	777.8	12127	5006.8	3538.5	777.8	12128	4551.4	3538.4	777.8	12129	3013.7	2684.4	777.9
12130	5113.3	3538.5	777.9	12131	4897.5	3538.5	777.9	12132	5042.3	3538.5	777.9	12133	4934.7	3538.5	778
12134	3013.7	1625.6	778	12135	3013.7	1368.7	778	12136	3229	3538.4	778	12137	3013.7	3022	778
12138	4971.1	3538.5	778.1	12139	5454.4	3538.5	778.1	12140	5489.3	3538.5	778.1	12141	3583.9	3538.4	778.2
12142	3013.7	2651.1	778.3	12143	3013.7	3054.7	778.3	12144	3160.3	3538.4	778.5	12145	3013.7	1663	778.5
12146	3013.7	2319.1	778.5	12147	3013.7	2720.2	778.6	12148	3013.7	2151.7	778.6	12149	4456.1	3538.4	778.7
12150	3194.7	3538.4	778.8	12151	3013.7	2186.4	779.4	12152	3013.7	2756.5	779.5	12153	3013.7	1305.2	779.5
12154	3013.7	2221.3	779.6	12155	3013.7	2255.9	779.7	12156	3013.7	1336	779.7	12157	4340.4	3538.4	779.7
12158	3013.7	2289.1	779.8	12159	4480.7	3538.4	779.9	12160	4362.5	3538.4	780	12161	3013.7	2793.3	780.3
12162	3013.7	2416.5	780.4	12163	3013.7	1985	780.9	12164	3013.7	2396.9	781.1	12165	3013.7	2045.1	781.2
12166	3013.7	2829.7	781.2	12167	3013.7	2014.5	782.3	12168	3013.7	2859	784.1	12169	3013.7	3492.2	786.5
12170	3053.4	3538.4	787.5	12171	3013.7	1234.7	788.4	12172	5563.2	3538.5	788.7	12173	2823.7	1194.6	789.8
12174	3013.7	3538.4	789.8	12175	5603.7	3538.5	789.8	12176	5603.7	4584.8	789.8	12177	5603.7	3577.8	789.9
12178	5603.7	3617.2	789.9	12179	5603.7	3656.6	790	12180	5603.7	3696.1	790	12181	2861.7	1194.6	790
12182	2823.7	1156	790	12183	5603.7	3735.7	790.1	12184	5603.7	3775.6	790.1	12185	5603.7	3816.2	790.2
12186	5603.7	3858.5	790.3	12187	2899.7	1194.6	790.3	12188	5603.7	3901.5	790.3	12189	2823.7	1117.3	790.3
12190	5603.7	3944.7	790.4	12191	2586.8	843.5	790.4	12192	2545.2	843.5	790.4	12193	5603.7	3987.8	790.4
12194	2628.4	843.5	790.4	12195	2503.6	843.5	790.5	12196	5603.7	4030.2	790.5	12197	2937.7	1194.6	790.5
12198	2669.5	843.5	790.5	12199	2462.6	843.5	790.5	12200	5603.7	4072.5	790.5	12201	5603.7	4114.5	790.6
12202	2823.7	1078.8	790.7	12203	2421.8	843.5	790.7	12204	2710	843.5	790.7	12205	5603.7	4156.3	790.7
12206	2975.7	1194.6	790.7	12207	2381.4	843.5	790.8	12208	5603.7	4197.7	790.9	12209	2341.4	843.5	790.9
12210	2301.6	843.5	791	12211	2748.4	843.5	791	12212	5603.7	4545.9	791	12213	2261.6	843.5	791
12214	2221.2	843.5	791	12215	3013.7	1194.6	791	12216	5603.7	4238.3	791.1	12217	2823.7	1040.3	791.1
12218	5603.7	4277	791.3	12219	2786.2	843.5	791.4	12220	2823.7	1001.9	791.6	12221	5603.7	4315	791.7
12222	2823.7	963.4	791.8	12223	2823.7	924.5	791.9	12224	5603.7	4506.9	791.9	12225	2823.7	884.7	792
12226	2823.7	843.5	792	12227	5603.7	4352.6	792.1	12228	5603.7	4467.8	792.5	12229	5603.7	4390.5	792.5
12230	5603.7	4428.9	792.7	12231	3013.7	2978.4	794	12232	4436.2	3538.4	796.1	12233	3601.5	3538.4	796.1
12234	3013.7	2935.2	796.2	12235	4321.9	3538.4	796.4	12236	3013.7	2432	796.4	12237	5303.7	3538.5	797.4
12238	3013.7	2360.7	797.5	12239	3013.7	3451.2	797.5	12240	4049.3	3538.4	797.6	12241	4009.6	3538.4	797.9
12242	5264.8	3538.5	797.9	12243	3088.6	3538.4	798	12244	5342.6	3538.5	798.2	12245	4087.8	3538.4	798.3
12246	4125.8	3538.4	798.3	12247	3013.7	2895	798.4	12248	3970.4	3538.4	798.6	12249	3640	3538.4	798.6
12250	3013.7	2470.2	798.6	12251	4280.3	3538.4	798.8	12252	3013.7	2542.9	798.8	12253	5525.7	3538.5	798.8
12254	3749.1	3538.4	798.9	12255	3013.7	2580.1	798.9	12256	3711.9	3538.4	798.9	12257	4241.1	3538.4	799
12258	3821.6	3538.4	799	12259	3785.7	3538.4	799	12260	3013.7	1269.3	799.1	12261	3013.7	2506.4	799.1
12262	3013.7	3167	799.1	12263	3675.6	3538.4	799.2	12264	3013.7	1776.7	799.7	12265	3416.2	3538.4	799.7
12266	4202.2	3538.4	799.7	12267	3376.8	3538.4	799.7	12268	3455.3	3538.4	800	12269	4163.8	3538.4	800
12270	3013.7	3207.2	800.1	12271	3931.9	3538.4	800.1	12272	3013.7	3248.2	800.2	12273	3857.4	3538.4	800.2
12274	5226.9	3538.5	800.5	12275	4395.2	3538.4	800.5	12276	3894.2	3538.4	800.6	12277	3013.7	1914.2	800.7
12278	3013.7	1878.6	800.7	12279	4703.4	3538.5	800.8	12280	3013.7	3016.6	800.9	12281	3564.9	3538.4	801
12282	3528.6	3538.4	801	12283	3013.7	2396.9	801	12284	3337.8	3538.4	801.2	12285	3013.7	3127.9	801.2
12286	4359	3538.4	801.2	12287	3013.7	3411.8	801.4	12288	3013.7	1738.7	801.6	12289	3013.7	1811.7	801.7
12290	3299.8	3538.4	801.7	12291	4475.4	3538.4	801.8	12292	3123	3538.4	801.8	12293	3013.7	1949.6	801.9
12294	3013.7	1472.8	801.9	12295	3013.7	1436.9	801.9	12296	4664.7	3538.4	802	12297	4742.3	3538.5	802
12298	3013.7	2324	802.2	12299	3013.7	1510.6	802.2	12300	4780.7	3538.5	802.2	12301	3263.7	3538.4	802.2
12302	5490.1	3538.5	802.4	12303	3013.7	1402.2	802.5	12304	4818.9	3538.5	802.5	12305	3013.7	3090.2	802.5
12306	3013.7	3371.5	802.5	12307	5190.2	3538.5	802.6	12308	3013.7	3289.2	802.7	12309	3013.7	3053.2	802.8
12310	3492.1	3538.4	802.8	12311	5379.9	3538.5	802.9	12312	4857.3	3538.5	803	12313	3013.7	1301.7	803
12314	3013.7	2615.1	803	12315	5417.2	3538.5	803.1	12316	5153.3	3538.5	803.1	12317	3013.7	3330.5	803.1
12318	3228.3	3538.4	803.1	12319	4512.4	3538.4	803.2	12320	3013.7	1548.6	803.2	12321	5116.7	3538.5	803.2
12322	3158	3538.4	803.3	12323	5044	3538.5	803.3	12324	5080.3	3538.5	803.3	12325	3013.7	1368	803.3
12326	4626.4	3538.4	803.4	12327	3013.7	2117.1	803.5	12328	5453.8	3538.5	803.5	12329	3013.7	2649.9	803.7
12330	3013.7	2684.7	803.7	12331	3013.7	1845.1	803.7	12332	3013.7	2152	803.7	12333	3013.7	2081.9	803.7
12334	3013.7	1334.5	803.7	12335	3193.1	3538.4	803.8	12336	4588.3	3538.4	803.8	12337	5007.4	3538.5	803.8
12338	3013.7	1625.1	803.9	12339	3013.7	2290.2	803.9	12340	4933.2	3538.5	803.9	12341	4970.5	3538.5	803.9
12342	3013.7	2720.2	803.9	12343	4895.5	3538.5	803.9	12344	3013.7	2186.9	804	12345	3013.7	1586.8	804
12346	4550	3538.4	804	12347	3013.7	2221.7	804.1	12348	3013.7	2256.2	804.2	12349	3013.7	1701	804.3
12350	3013.7	2756.1	804.3	12351	3013.7	2792.3	804.5	12352	3013.7	1663.3	804.5	12353	3013.7	1982.3	805
12354	3013.7	2828.1	805.4	12355	3013.7	2014.9	805.4	12356	3013.7	2048	805.5	12357	3013.7	2862.9	805.8
12358	3013.7	3541.8	825.3	12359	3296.2	4618.9	826.6	12360	4161.2	4617	827.2	12361	4531.6	4617	827.3
12362	2221.2	843.5	828	12363	2241.2	843.5	828	12364	2261.6	843.5	828	12365	2278.7	843.5	828
12366	2301.9	843.5	828	12367	2316.2	843.5	828	12368	2342.3	843.5	828	12369	2353.7	843.5	828
12370	2382.6	843.5	828	12371	2391.2	843.5	828	12372	2423	843.5	828	12373	2428.7	843.5	828
12374	2463.3	843.5	828	12375	2503.7	843.5	828	12376	2545.7	843.5	828	12377	2587.7	843.5	828
12378	2629.7	843.5	828	12379	2671.7	843.5	828	12380	2713.7	843.5	828	12381	2750.4	843.5	828
12382	2787	843.5	828	12383	2823.7	843.5	828	12384	2246.2	846	828	12385	2503.7	846	828
12386	2713.7	846	828	12387	2821.2	846	828	12388	2819.6	881.5	828	12389	2823.7	882.5	828
12390	2820.1	919.5	828	12391	2823.7	921.5	828	12392	2820.7	957.5	828	12393	2823.7	960.5	828
12394	2821.2	995.5	828	12395	2823.7	999.5	828	12396	2538.1	1027.9	828	12397	2821.7	1033.5	828
12398	2823.7	1038.6	828	12399	2822.2	1071.6	828	12400	2823.7	1077.6	828	12401	2822.7	1109.6	828
12402	2823.7	1116.6	828	12403	2823.2	1147.6	828	12404	2823.7	1155.6	828	12405	2239.1	1177.5	828
12406	2241.2	1186	828	12407	2246.2	1186	828	12408	2503.7	1186	828	12409	2713.7	1186	828
12410	2821.2	1186	828	12411	3011.2	1186	828	12412	2241.2	1188.9	828	12413	2503.7	1188.9	828
12414	2713.7	1188.9	828	12415	2823.7	1188.9	828	12416	2823.7	1194.6	828	12417	2861.7	1194.6	828
12418	2899.7	1194.6	828	12419	2937.7	1194.6	828	12420	2975.7	1194.6	828	12421	3013.7	1194.6	828
12422	3013.7	1229.2	828	12423	3013.7	1263.7	828	12424	3013.7	1298.3	828	12425	3013.7	1332.8	828
12426	3013.7	1367.3	828	12427	3013.7	1401.9	828	12428	3013.7	1436.4	828	12429	1893.5	1466.8	828
12430	1901.2	1466.9	828	12431	2241.2	1471	828	12432	2246.2	1471	828	12433	3011.2	1471	828
12434	3013.7	1471	828	12435	2501.2	1473.5	828	12436	2711.2	1473.5	828	12437	1901.2	1476	828
12438	2246.2	1476	828	12439	2501.2	1476	828	12440	2711.2	1476	828	12441	3013.7	1476	828
12442	3013.7	1509.4	828	12443	3013.7	1547.8	828	12444	3013.7	1586.3	828	12445	3013.7	1624.7	828
12446	3013.7	1663.2	828	12447	3013.7	1701.6	828	12448	3013.7	1740	828	12449	2502.7	1777.1	828

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
12450	2241.2	1778.5	828	12451	2246.2	1778.5	828	12452	3011.2	1778.5	828	12453	3013.7	1778.5	828
12454	1901.2	1783.5	828	12455	2246.2	1783.5	828	12456	2502.7	1783.5	828	12457	3013.7	1783.5	828
12458	3013.7	1812.2	828	12459	3013.7	1846	828	12460	3013.7	1879.7	828	12461	3013.7	1913.5	828
12462	3013.7	1947.2	828	12463	3013.7	1981	828	12464	3013.7	2014.7	828	12465	2241.2	2048.5	828
12466	2246.2	2048.5	828	12467	3011.2	2048.5	828	12468	3013.7	2048.5	828	12469	2501.2	2049.8	828
12470	1901.2	2053.5	828	12471	2246.2	2053.5	828	12472	2501.2	2053.5	828	12473	3013.7	2053.5	828
12474	3013.7	2083.2	828	12475	3013.7	2117.8	828	12476	3013.7	2152.5	828	12477	3013.7	2187.2	828
12478	3013.7	2221.9	828	12479	3013.7	2256.6	828	12480	3013.7	2291.3	828	12481	2241.2	2326	828
12482	2246.2	2326	828	12483	2503.7	2326	828	12484	2713.7	2326	828	12485	3011.2	2326	828
12486	3013.7	2326	828	12487	1901	2326.1	828	12488	2498.8	2326.1	828	12489	1901	2330.9	828
12490	3013.7	2361.9	828	12491	3013.7	2397.8	828	12492	3013.7	2433.8	828	12493	3013.7	2469.7	828
12494	3013.7	2505.7	828	12495	3013.7	2541.6	828	12496	3013.7	2577.5	828	12497	2241.2	2613.5	828
12498	2246.2	2613.5	828	12499	3011.2	2613.5	828	12500	3013.7	2613.5	828	12501	2501.2	2616.7	828
12502	1901.2	2618.5	828	12503	2246.2	2618.5	828	12504	2501.2	2618.5	828	12505	3013.7	2618.5	828
12506	3013.7	2649.1	828	12507	3013.7	2684.7	828	12508	3013.7	2720.3	828	12509	3013.7	2756	828
12510	3013.7	2791.6	828	12511	3013.7	2827.2	828	12512	3013.7	2862.8	828	12513	2241.2	2898.5	828
12514	2246.2	2898.5	828	12515	3011.2	2898.5	828	12516	3013.7	2898.5	828	12517	2502.2	2899	828
12518	1901.2	2903.5	828	12519	2246.2	2903.6	828	12520	2502.2	2903.7	828	12521	3013.7	2903.8	828
12522	3013.7	2936.8	828	12523	3013.7	2975	828	12524	3013.7	3013.3	828	12525	3013.7	3051.6	828
12526	3013.7	3089.9	828	12527	3013.7	3128.2	828	12528	3013.7	3166.5	828	12529	2241.2	3201	828
12530	2246.2	3201	828	12531	2713.7	3201	828	12532	3011.2	3201	828	12533	3013.7	3204.8	828
12534	1901.2	3206	828	12535	2246.2	3206	828	12536	2501.2	3206.1	828	12537	2713.7	3206.1	828
12538	2411.2	3206.1	828	12539	3013.7	3206.1	828	12540	2501.2	3209.6	828	12541	3013.7	3246.5	828
12542	3013.7	3288.2	828	12543	3013.7	3329.9	828	12544	2411.2	3371	828	12545	3013.7	3371.6	828
12546	3013.7	3413.3	828	12547	3013.7	3455	828	12548	3013.7	3496.7	828	12549	3008.7	3538.4	828
12550	3013.7	3538.4	828	12551	3049.3	3538.4	828	12552	3084.9	3538.4	828	12553	3120.6	3538.4	828
12554	3156.2	3538.4	828	12555	3191.8	3538.4	828	12556	3227.4	3538.4	828	12557	3263.1	3538.4	828
12558	3296.2	3538.4	828	12559	3298.7	3538.4	828	12560	3337.3	3538.4	828	12561	3375.8	3538.4	828
12562	3414.4	3538.4	828	12563	3453	3538.4	828	12564	3491.6	3538.4	828	12565	3530.1	3538.4	828
12566	3566.2	3538.4	828	12567	3568.7	3538.4	828	12568	3604.6	3538.4	828	12569	3640.6	3538.4	828
12570	3676.5	3538.4	828	12571	3712.4	3538.4	828	12572	3748.4	3538.4	828	12573	3784.3	3538.4	828
12574	3820.3	3538.4	828	12575	3853.7	3538.4	828	12576	3856.2	3538.4	828	12577	3894.6	3538.4	828
12578	3933.1	3538.4	828	12579	3971.5	3538.4	828	12580	4009.9	3538.4	828	12581	4048.4	3538.4	828
12582	4086.8	3538.4	828	12583	4125.3	3538.4	828	12584	4161.2	3538.4	828	12585	4163.7	3538.4	828
12586	4202.3	3538.4	828	12587	4240.8	3538.4	828	12588	4279.4	3538.4	828	12589	4318	3538.4	828
12590	4356.6	3538.4	828	12591	4395.1	3538.4	828	12592	4431.2	3538.4	828	12593	4433.7	3538.4	828
12594	4472.1	3538.4	828	12595	4510.6	3538.4	828	12596	4549	3538.4	828	12597	4587.4	3538.4	828
12598	4625.9	3538.4	828	12599	4664.3	3538.4	828	12600	4702.8	3538.5	828	12601	4738.7	3538.5	828
12602	4741.2	3538.5	828	12603	4779.3	3538.5	828	12604	4817.4	3538.5	828	12605	4855.6	3538.5	828
12606	4893.7	3538.5	828	12607	4931.8	3538.5	828	12608	4969.9	3538.5	828	12609	5008.1	3538.5	828
12610	5043.7	3538.5	828	12611	5046.2	3538.5	828	12612	5083	3538.5	828	12613	5119.8	3538.5	828
12614	5156.6	3538.5	828	12615	5193.3	3538.5	828	12616	5230.1	3538.5	828	12617	5266.9	3538.5	828
12618	5301.2	3538.5	828	12619	5303.7	3538.5	828	12620	5341.2	3538.5	828	12621	5378.7	3538.5	828
12622	5416.2	3538.5	828	12623	5453.7	3538.5	828	12624	5491.2	3538.5	828	12625	5528.7	3538.5	828
12626	5566.2	3538.5	828	12627	5603.7	3538.5	828	12628	3011.2	3540.8	828	12629	5046.2	3540.9	828
12630	5303.7	3540.9	828	12631	5601.2	3541	828	12632	2246.2	3541	828	12633	3298.7	3541	828
12634	3568.7	3541	828	12635	3856.2	3541	828	12636	4163.7	3541	828	12637	4433.7	3541	828
12638	4741.2	3541	828	12639	2499.9	3541.8	828	12640	2238.7	3546	828	12641	2241.2	3546	828
12642	1901.2	3546	828	12643	1921.2	3546	828	12644	2206.2	3546	828	12645	2499.9	3546	828
12646	3013.7	3546	828	12647	5603.7	3577.8	828	12648	5603.7	3617	828	12649	2411.2	3651	828
12650	5603.7	3656.3	828	12651	5603.7	3695.6	828	12652	5603.7	3734.9	828	12653	5603.7	3774.2	828
12654	3853.7	3813.5	828	12655	3856.2	3813.5	828	12656	4738.7	3813.5	828	12657	4741.2	3813.5	828
12658	5601.2	3813.5	828	12659	5603.7	3813.5	828	12660	3856.2	3814.8	828	12661	2504.8	3815.8	828
12662	2248.1	3816	828	12663	2241.2	3816	828	12664	2246.2	3816	828	12665	2711.2	3816	828
12666	2713.7	3816	828	12667	3008.7	3816	828	12668	3011.2	3816	828	12669	2504.8	3818.2	828
12670	2241.2	3841	828	12671	2411.2	3841	828	12672	5603.7	3857.8	828	12673	5603.7	3902.2	828
12674	5603.7	3946.6	828	12675	3008.7	3991	828	12676	3011.2	3991	828	12677	3853.7	3991	828
12678	3856.2	3991	828	12679	4738.7	3991	828	12680	4741.2	3991	828	12681	5601.2	3991	828
12682	5603.7	3991	828	12683	5603.7	4033.5	828	12684	3851.6	4061.5	828	12685	3853.7	4061.5	828
12686	5043.7	4063.2	828	12687	5046.2	4063.2	828	12688	3008.7	4063.3	828	12689	3015.1	4063.3	828
12690	4159.9	4063.7	828	12691	4161.2	4063.7	828	12692	2711.2	4064.4	828	12693	2712.9	4064.4	828
12694	3563.7	4065.3	828	12695	3566.2	4065.3	828	12696	4736.9	4066	828	12697	4738.7	4066	828
12698	4431.2	4066.6	828	12699	3296.2	4067.8	828	12700	5603.7	4076	828	12701	5603.7	4118.5	828
12702	5603.7	4161	828	12703	5603.7	4203.5	828	12704	5301.2	4245.9	828	12705	5303.7	4245.9	828
12706	2711.2	4246	828	12707	2713.7	4246	828	12708	3008.7	4246	828	12709	3011.2	4246	828
12710	3296.2	4246	828	12711	3298.7	4246	828	12712	3566.2	4246	828	12713	3568.7	4246	828
12714	4161.2	4246	828	12715	4163.7	4246	828	12716	4431.2	4246	828	12717	4433.7	4246	828
12718	5043.7	4246	828	12719	5046.2	4246	828	12720	5601.2	4246	828	12721	5603.7	4246	828
12722	2688.7	4251	828	12723	2713.7	4251	828	12724	3011.2	4251	828	12725	3298.7	4251	828
12726	3568.7	4251	828	12727	3856.2	4251	828	12728	4163.7	4251	828	12729	4433.7	4251	828
12730	4741.2	4251	828	12731	5046.2	4251	828	12732	5303.7	4251	828	12733	5603.7	4251	828
12734	3853.7	4255.4	828	12735	3856.2	4255.4	828	12736	4738.7	4256	828	12737	4741.2	4256	828
12738	5603.7	4283.6	828	12739	5603.7	4321.3	828	12740	5603.7	4358.9	828	12741	5603.7	4396.6	828
12742	5603.7	4434.2	828	12743	5603.7	4471.9	828	12744	5603.7	4509.5	828	12745	5603.7	4547.2	828
12746	3856.2	4581	828	12747	4738.7	4581	828	12748	4741.2	4581	828	12749	5603.7	4584.8	828
12750	2713.7	4586	828	12751	3011.2	4586	828	12752	3298.7	4586	828	12753	3568.7	4586	828
12754	4163.7	4586	828	12755	4433.7	4586	828	12756	4531.2	4586	828	12757	5046.2	4586	828
12758	5303.7	4586	828	12759	5601.2	4586	828	12760	2688.7	4591	828	12761	3011.2	4591	828
12762	3296.2	4591	828	12763	3298.7	4591	828	12764	3566.2	4591	828	12765	3568.7	4591	828
12766	3856.2	4591	828	12767	4161.2	4591	828	12768	4163.7	4591	828	12769	4431.2	4591	828
12770	4433.7	4591	828	12771	4531.2	4591	828	12772	4741.2	4591	828	12773	5043.7	4591	828
12774	5046.2	4591	828	12775	5301.2	4591	828	12776	5303.7	4591	828	12777	5603.7	4591	828
12778	3853.7	4611.7	828	12779	2711.2	4612.3	828	12780	3008.7	4612.3	828	12781	3013.7	3528.7	831.5
12782	4161.9	4601.5	832.6	12783	1901	2326.1	833.5	12784	1901.2	2618.5	833.6	12785	1901.2	3208.4	833.6
12786	1901.2	2053.5	833.6	12787	1901.2	1784.7	833.6	12788	1901.2	2904.9	833.6	12789	2231.6	1192.7	835.3
12790	3008.2	4593.5	835.3	12791	3566.1	4593.5	835.3	12792	4161.2	4593.5	835.3	12793	1904.5	1469.5	835.4
12794	5603.7	4592.7	835.7	12795	5043.7	3538.5	836.7	12796	4738.7	3538.5	836.8	12797	4429.1	3538.4	836.8
12798	5603.7	3533.5	836.8	12799	4161.2	3538.4	836.8	12800	3851.9	3538.4	836.8	12801	3566.2	3538.4	836.9
12802	3296.3	4589	836.9	12803	3297.9	3538.4	836.9	12804	4531.6	4589	836.9	12805	3013.7	3538.4	836.9
12806	3853.7	4588.5	837.1	12807	3013.7	1780.8	837.2	12808	3010.9	1194.6	837.3	12809	3013.7	2054.9	837.5
12810	3013.7	2324.2	837.9	12811	2710.1	4586	837.9	12812	4161.2	4586	838	12813	4431.1	4586	838
12814	5042	4586	838	12815	3013.7	2623	838.3	12816	3013.7	2903.6	838.7	12817	3013.7	3208.4	839.1
12818	3851.8	4581	839.7	12819	3853.7	4581	839.7	12820	1921.2	3544.5	839.7	12821	4737.7	4581	839.7
12822	4531.7	4566	844.9	12823	2711.2	3816	931	12824	2712.8	3817.7	931.6	12825	2711.1	3816	938.6
12826	2248.1	3816	939.5	12827	2502.7	1777.1	1014.3	12828	2501.2	2048	1015.2	12829	2504.8	3816	1015.9
12830	3847.8	4061.5	1016.1	12831	2498.8	2326.1	1016.1	12832	2502.1	2901	1016.1	12833	2499.9	3541.8	1016.4
12834	3297.9	4067.8	1016.5	12835	5043.7	4063.2	1016.5	12836	3015.1	4063.3	1016.8	12837	4161.2	4063.7	1016.8
12838	2501.2	3208.4	1016.8	12839	2501.2	2048	1016.8	12840	2501.2	2618.5	1016.8	12841	4429.1	4066.6	1016.9

Indice	Posizione			Indice	Posizione			Indice	Posizione			Indice	Posizione		
	X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z
12842	2502.2	2901	1017.1	12843	4738.7	4066	1017.1	12844	2502.7	1783.3	1017.3	12845	3565	4065.3	1017.3
12846	2502.3	1777.8	1017.6	12847	2708.5	4064.4	1017.6	12848	2499.9	3541.8	1017.7	12849	5045.7	4063.7	1017.9
12850	4161.2	4063.7	1017.9	12851	2504.8	3816	1017.9	12852	3015.1	4063.3	1018	12853	2501.4	1777.7	1018
12854	5043.7	4063.2	1018.1	12855	3297.9	4067.8	1018.3	12856	3847.8	4061.5	1018.6	12857	2502.7	1777.1	1025
12858	2500.1	1777.1	1025	12859	2501.2	2049.8	1025	12860	2500.5	2326.1	1025	12861	2498.8	2326.1	1025
12862	2501.2	2616.7	1025	12863	2502.2	2899	1025	12864	2501	2899	1025	12865	2501.2	3209.6	1025
12866	2501.4	3541.8	1025	12867	2499.9	3541.8	1025	12868	2504.8	3818.2	1025	12869	2501.6	3818.2	1025
12870	2501.6	3835.8	1025	12871	3851.6	4061.5	1025	12872	5046.2	4063.2	1025	12873	3015.1	4063.3	1025
12874	4159.9	4063.7	1025	12875	2712.9	4064.4	1025	12876	3015.1	4064.5	1025	12877	3296.2	4064.6	1025
12878	3851.6	4064.9	1025	12879	4159.9	4065	1025	12880	4431.2	4065.1	1025	12881	3563.7	4065.3	1025
12882	5046.2	4065.4	1025	12883	4736.9	4066	1025	12884	4431.2	4066.6	1025	12885	3296.2	4067.8	1025
12886	5044.4	4061.2	1030.2												

Carichi concentrati

***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Nodo**: nodo su cui agisce il carico.*
***Condizione**: condizione elementare mappata nella quale agisce il carico.*
***Fx**: componente della forza lungo l'asse X. [daN]*
***Fy**: componente della forza lungo l'asse Y. [daN]*
***Fz**: componente della forza lungo l'asse Z. [daN]*
***Mx**: componente del momento attorno all'asse X. [daN*cm]*
***My**: componente del momento attorno all'asse Y. [daN*cm]*
***Mz**: componente del momento attorno all'asse Z. [daN*cm]*

Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz	Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz
1	7115	Pesi strutturali	0	0	-2.4E2	0	0	0	2	7115	Permanenti portati	0	0	-98.6	0	0	0
3	7115	Variabile C	0	0	-1.2E2	0	0	0	4	7106	Pesi strutturali	0	0	-4.9E2	0	0	0
5	7106	Permanenti portati	0	0	-2.0E2	0	0	0	6	7106	Variabile C	0	0	-2.5E2	0	0	0
7	7099	Pesi strutturali	0	0	-4.9E2	0	0	0	8	7099	Permanenti portati	0	0	-2.0E2	0	0	0
9	7099	Variabile C	0	0	-2.5E2	0	0	0	10	7091	Pesi strutturali	0	0	-4.9E2	0	0	0
11	7091	Permanenti portati	0	0	-2.0E2	0	0	0	12	7091	Variabile C	0	0	-2.5E2	0	0	0
13	7081	Pesi strutturali	0	0	-4.9E2	0	0	0	14	7081	Permanenti portati	0	0	-2.0E2	0	0	0
15	7081	Variabile C	0	0	-2.5E2	0	0	0	16	7073	Pesi strutturali	0	0	-4.9E2	0	0	0
17	7073	Permanenti portati	0	0	-2.0E2	0	0	0	18	7073	Variabile C	0	0	-2.5E2	0	0	0
19	7063	Pesi strutturali	0	0	-490	0	0	0	20	7063	Permanenti portati	0	0	-2.0E2	0	0	0
21	7063	Variabile C	0	0	-2.5E2	0	0	0	22	7055	Pesi strutturali	0	0	-4.9E2	0	0	0
23	7055	Permanenti portati	0	0	-2.0E2	0	0	0	24	7055	Variabile C	0	0	-2.5E2	0	0	0
25	7016	Pesi strutturali	0	0	-5.0E2	0	0	0	26	7016	Permanenti portati	0	0	-2.0E2	0	0	0
27	7016	Variabile C	0	0	-2.5E2	0	0	0	28	7004	Pesi strutturali	0	0	-5.0E2	0	0	0
29	7004	Permanenti portati	0	0	-2.0E2	0	0	0	30	7004	Variabile C	0	0	-2.5E2	0	0	0
31	6998	Pesi strutturali	0	0	-5.0E2	0	0	0	32	6998	Permanenti portati	0	0	-2.0E2	0	0	0
33	6998	Variabile C	0	0	-2.5E2	0	0	0	34	6990	Pesi strutturali	0	0	-5.0E2	0	0	0
35	6990	Permanenti portati	0	0	-2.0E2	0	0	0	36	6990	Variabile C	0	0	-2.5E2	0	0	0
37	6984	Pesi strutturali	0	0	-5.0E2	0	0	0	38	6984	Permanenti portati	0	0	-2.0E2	0	0	0
39	6984	Variabile C	0	0	-2.5E2	0	0	0	40	6978	Pesi strutturali	0	0	-5.0E2	0	0	0
41	6978	Permanenti portati	0	0	-202	0	0	0	42	6978	Variabile C	0	0	-2.5E2	0	0	0
43	6975	Pesi strutturali	0	0	-5.0E2	0	0	0	44	6975	Permanenti portati	0	0	-202	0	0	0
45	6975	Variabile C	0	0	-2.5E2	0	0	0	46	6964	Pesi strutturali	0	0	-5.0E2	0	0	0
47	6964	Permanenti portati	0	0	-2.0E2	0	0	0	48	6964	Variabile C	0	0	-2.5E2	0	0	0
49	6952	Pesi strutturali	0	0	-502	0	0	0	50	6952	Permanenti portati	0	0	-2.0E2	0	0	0
51	6952	Variabile C	0	0	-2.5E2	0	0	0	52	6945	Pesi strutturali	0	0	-5.0E2	0	0	0
53	6945	Permanenti portati	0	0	-2.0E2	0	0	0	54	6945	Variabile C	0	0	-2.5E2	0	0	0
55	6907	Pesi strutturali	0	0	-3.6E2	0	0	0	56	6907	Permanenti portati	0	0	-144	0	0	0
57	6907	Variabile C	0	0	-1.8E2	0	0	0	58	6396	Pesi strutturali	0	0	-3.1E2	0	0	0
59	6396	Permanenti portati	0	0	-1.8E2	0	0	0	60	6396	Variabile C	0	0	-2.3E2	0	0	0
61	6397	Pesi strutturali	0	0	-4.0E2	0	0	0	62	6397	Permanenti portati	0	0	-1.6E2	0	0	0
63	6397	Variabile C	0	0	-2.1E2	0	0	0	64	6398	Pesi strutturali	0	0	-4.0E2	0	0	0
65	6398	Permanenti portati	0	0	-1.6E2	0	0	0	66	6398	Variabile C	0	0	-2.1E2	0	0	0
67	6399	Pesi strutturali	0	0	-4.0E2	0	0	0	68	6399	Permanenti portati	0	0	-1.6E2	0	0	0

Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz	Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz
69	6399	Variabile C	0	0	-2.1E2	0	0	0	70	6400	Pesi strutturali	0	0	-4.0E2	0	0	0
71	6400	Permanenti portati	0	0	-1.6E2	0	0	0	72	6400	Variabile C	0	0	-2.1E2	0	0	0
73	6401	Pesi strutturali	0	0	-3.7E2	0	0	0	74	6401	Permanenti portati	0	0	-2.0E2	0	0	0
75	6401	Variabile C	0	0	-2.5E2	0	0	0	76	6389	Pesi strutturali	0	0	-3.4E2	0	0	0
77	6389	Permanenti portati	0	0	-2.3E2	0	0	0	78	6389	Variabile C	0	0	-2.9E2	0	0	0
79	6383	Pesi strutturali	0	0	-3.3E2	0	0	0	80	6383	Permanenti portati	0	0	-2.3E2	0	0	0
81	6383	Variabile C	0	0	-2.9E2	0	0	0	82	6378	Pesi strutturali	0	0	-3.3E2	0	0	0
83	6378	Permanenti portati	0	0	-230	0	0	0	84	6378	Variabile C	0	0	-2.9E2	0	0	0
85	6372	Pesi strutturali	0	0	-3.3E2	0	0	0	86	6372	Permanenti portati	0	0	-2.3E2	0	0	0
87	6372	Variabile C	0	0	-2.9E2	0	0	0	88	6366	Pesi strutturali	0	0	-3.3E2	0	0	0
89	6366	Permanenti portati	0	0	-2.3E2	0	0	0	90	6366	Variabile C	0	0	-288	0	0	0
91	6360	Pesi strutturali	0	0	-3.3E2	0	0	0	92	6360	Permanenti portati	0	0	-2.3E2	0	0	0
93	6360	Variabile C	0	0	-2.9E2	0	0	0	94	6340	Pesi strutturali	0	0	-9.2E2	0	0	0
95	6340	Permanenti portati	0	0	-3.1E2	0	0	0	96	6340	Variabile C	0	0	-5.5E2	0	0	0
97	6325	Pesi strutturali	0	0	-254	0	0	0	98	6325	Permanenti portati	0	0	-94.3	0	0	0
99	6325	Variabile C	0	0	-1.7E2	0	0	0	100	6349	Pesi strutturali	0	0	-430	0	0	0
101	6349	Permanenti portati	0	0	-74	0	0	0	102	6349	Variabile C	0	0	-2.5E2	0	0	0
103	6348	Pesi strutturali	0	0	-4.3E2	0	0	0	104	6348	Permanenti portati	0	0	-74.1	0	0	0
105	6348	Variabile C	0	0	-2.5E2	0	0	0	106	6347	Pesi strutturali	0	0	-4.2E2	0	0	0
107	6347	Permanenti portati	0	0	-71.7	0	0	0	108	6347	Variabile C	0	0	-239	0	0	0
109	6346	Pesi strutturali	0	0	-4.0E2	0	0	0	110	6346	Permanenti portati	0	0	-69.3	0	0	0
111	6346	Variabile C	0	0	-231	0	0	0	112	6345	Pesi strutturali	0	0	-402	0	0	0
113	6345	Permanenti portati	0	0	-69.4	0	0	0	114	6345	Variabile C	0	0	-2.3E2	0	0	0
115	6344	Pesi strutturali	0	0	-4.0E2	0	0	0	116	6344	Permanenti portati	0	0	-69.4	0	0	0
117	6344	Variabile C	0	0	-2.3E2	0	0	0	118	6343	Pesi strutturali	0	0	-4.0E2	0	0	0
119	6343	Permanenti portati	0	0	-69.5	0	0	0	120	6343	Variabile C	0	0	-2.3E2	0	0	0
121	6342	Pesi strutturali	0	0	-5.1E2	0	0	0	122	6342	Permanenti portati	0	0	-109	0	0	0
123	6342	Variabile C	0	0	-2.8E2	0	0	0	124	6339	Pesi strutturali	0	0	-8.5E2	0	0	0
125	6339	Permanenti portati	0	0	-2.2E2	0	0	0	126	6339	Variabile C	0	0	-4.5E2	0	0	0
127	6337	Pesi strutturali	0	0	-8.5E2	0	0	0	128	6337	Permanenti portati	0	0	-2.2E2	0	0	0
129	6337	Variabile C	0	0	-4.5E2	0	0	0	130	6336	Pesi strutturali	0	0	-8.5E2	0	0	0
131	6336	Permanenti portati	0	0	-2.2E2	0	0	0	132	6336	Variabile C	0	0	-4.5E2	0	0	0
133	6335	Pesi strutturali	0	0	-8.5E2	0	0	0	134	6335	Permanenti portati	0	0	-2.2E2	0	0	0
135	6335	Variabile C	0	0	-4.5E2	0	0	0	136	6334	Pesi strutturali	0	0	-8.6E2	0	0	0
137	6334	Permanenti portati	0	0	-2.2E2	0	0	0	138	6334	Variabile C	0	0	-4.5E2	0	0	0
139	6333	Pesi strutturali	0	0	-4.3E2	0	0	0	140	6333	Permanenti portati	0	0	-1.1E2	0	0	0
141	6333	Variabile C	0	0	-2.3E2	0	0	0	142	6623	Pesi strutturali	0	0	-5.5E2	0	0	0
143	6623	Permanenti portati	0	0	-2.7E2	0	0	0	144	6623	Variabile C	0	0	-4.4E2	0	0	0
145	6617	Pesi strutturali	0	0	-482	0	0	0	146	6617	Permanenti portati	0	0	-4.2E2	0	0	0
147	6617	Variabile C	0	0	-5.2E2	0	0	0	148	6613	Pesi strutturali	0	0	-482	0	0	0
149	6613	Permanenti portati	0	0	-4.2E2	0	0	0	150	6613	Variabile C	0	0	-5.2E2	0	0	0
151	6609	Pesi strutturali	0	0	-482	0	0	0	152	6609	Permanenti portati	0	0	-4.2E2	0	0	0
153	6609	Variabile C	0	0	-5.2E2	0	0	0	154	6605	Pesi strutturali	0	0	-482	0	0	0
155	6605	Permanenti portati	0	0	-4.2E2	0	0	0	156	6605	Variabile C	0	0	-5.2E2	0	0	0
157	6601	Pesi strutturali	0	0	-482	0	0	0	158	6601	Permanenti portati	0	0	-4.2E2	0	0	0
159	6601	Variabile C	0	0	-5.2E2	0	0	0	160	6597	Pesi strutturali	0	0	-482	0	0	0
161	6597	Permanenti portati	0	0	-4.2E2	0	0	0	162	6597	Variabile C	0	0	-5.2E2	0	0	0
163	6593	Pesi strutturali	0	0	-4.7E2	0	0	0	164	6593	Permanenti portati	0	0	-4.1E2	0	0	0
165	6593	Variabile C	0	0	-5.1E2	0	0	0	166	6583	Pesi strutturali	0	0	-4.6E2	0	0	0
167	6583	Permanenti portati	0	0	-4.0E2	0	0	0	168	6583	Variabile C	0	0	-5.0E2	0	0	0
169	6579	Pesi strutturali	0	0	-4.6E2	0	0	0	170	6579	Permanenti portati	0	0	-4.0E2	0	0	0
171	6579	Variabile C	0	0	-5.0E2	0	0	0	172	6575	Pesi strutturali	0	0	-4.6E2	0	0	0

Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz	Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz
173	6575	Permanenti portati	0	0	-4.0E2	0	0	0	174	6575	Variabile C	0	0	-5.0E2	0	0	0
175	6569	Pesi strutturali	0	0	-4.6E2	0	0	0	176	6569	Permanenti portati	0	0	-4.0E2	0	0	0
177	6569	Variabile C	0	0	-5.0E2	0	0	0	178	6565	Pesi strutturali	0	0	-4.6E2	0	0	0
179	6565	Permanenti portati	0	0	-4.0E2	0	0	0	180	6565	Variabile C	0	0	-5.0E2	0	0	0
181	6561	Pesi strutturali	0	0	-4.6E2	0	0	0	182	6561	Permanenti portati	0	0	-4.0E2	0	0	0
183	6561	Variabile C	0	0	-5.0E2	0	0	0	184	6557	Pesi strutturali	0	0	-4.6E2	0	0	0
185	6557	Permanenti portati	0	0	-4.0E2	0	0	0	186	6557	Variabile C	0	0	-5.0E2	0	0	0
187	6549	Pesi strutturali	0	0	-4.6E2	0	0	0	188	6549	Permanenti portati	0	0	-4.0E2	0	0	0
189	6549	Variabile C	0	0	-5.0E2	0	0	0	190	6545	Pesi strutturali	0	0	-4.6E2	0	0	0
191	6545	Permanenti portati	0	0	-4.0E2	0	0	0	192	6545	Variabile C	0	0	-5.0E2	0	0	0
193	6541	Pesi strutturali	0	0	-4.6E2	0	0	0	194	6541	Permanenti portati	0	0	-4.0E2	0	0	0
195	6541	Variabile C	0	0	-5.0E2	0	0	0	196	6535	Pesi strutturali	0	0	-4.6E2	0	0	0
197	6535	Permanenti portati	0	0	-4.0E2	0	0	0	198	6535	Variabile C	0	0	-5.0E2	0	0	0
199	6531	Pesi strutturali	0	0	-4.6E2	0	0	0	200	6531	Permanenti portati	0	0	-4.0E2	0	0	0
201	6531	Variabile C	0	0	-5.0E2	0	0	0	202	6527	Pesi strutturali	0	0	-4.6E2	0	0	0
203	6527	Permanenti portati	0	0	-4.0E2	0	0	0	204	6527	Variabile C	0	0	-5.0E2	0	0	0
205	6525	Pesi strutturali	0	0	-4.5E2	0	0	0	206	6525	Permanenti portati	0	0	-3.9E2	0	0	0
207	6525	Variabile C	0	0	-4.9E2	0	0	0	208	6507	Pesi strutturali	0	0	-4.5E2	0	0	0
209	6507	Permanenti portati	0	0	-3.9E2	0	0	0	210	6507	Variabile C	0	0	-4.8E2	0	0	0
211	6503	Pesi strutturali	0	0	-4.5E2	0	0	0	212	6503	Permanenti portati	0	0	-3.9E2	0	0	0
213	6503	Variabile C	0	0	-4.8E2	0	0	0	214	6499	Pesi strutturali	0	0	-4.5E2	0	0	0
215	6499	Permanenti portati	0	0	-3.9E2	0	0	0	216	6499	Variabile C	0	0	-4.8E2	0	0	0
217	6495	Pesi strutturali	0	0	-4.5E2	0	0	0	218	6495	Permanenti portati	0	0	-3.9E2	0	0	0
219	6495	Variabile C	0	0	-4.8E2	0	0	0	220	6489	Pesi strutturali	0	0	-4.5E2	0	0	0
221	6489	Permanenti portati	0	0	-3.9E2	0	0	0	222	6489	Variabile C	0	0	-4.8E2	0	0	0
223	6485	Pesi strutturali	0	0	-4.5E2	0	0	0	224	6485	Permanenti portati	0	0	-3.9E2	0	0	0
225	6485	Variabile C	0	0	-4.8E2	0	0	0	226	6481	Pesi strutturali	0	0	-4.4E2	0	0	0
227	6481	Permanenti portati	0	0	-3.8E2	0	0	0	228	6481	Variabile C	0	0	-4.8E2	0	0	0
229	6474	Pesi strutturali	0	0	-4.3E2	0	0	0	230	6474	Permanenti portati	0	0	-3.8E2	0	0	0
231	6474	Variabile C	0	0	-4.7E2	0	0	0	232	6470	Pesi strutturali	0	0	-4.3E2	0	0	0
233	6470	Permanenti portati	0	0	-3.8E2	0	0	0	234	6470	Variabile C	0	0	-4.7E2	0	0	0
235	6466	Pesi strutturali	0	0	-4.3E2	0	0	0	236	6466	Permanenti portati	0	0	-3.8E2	0	0	0
237	6466	Variabile C	0	0	-4.7E2	0	0	0	238	6462	Pesi strutturali	0	0	-4.3E2	0	0	0
239	6462	Permanenti portati	0	0	-3.8E2	0	0	0	240	6462	Variabile C	0	0	-4.7E2	0	0	0
241	6458	Pesi strutturali	0	0	-4.3E2	0	0	0	242	6458	Permanenti portati	0	0	-3.8E2	0	0	0
243	6458	Variabile C	0	0	-4.7E2	0	0	0	244	6454	Pesi strutturali	0	0	-4.3E2	0	0	0
245	6454	Permanenti portati	0	0	-3.8E2	0	0	0	246	6454	Variabile C	0	0	-4.7E2	0	0	0
247	6450	Pesi strutturali	0	0	-4.4E2	0	0	0	248	6450	Permanenti portati	0	0	-3.8E2	0	0	0
249	6450	Variabile C	0	0	-476	0	0	0	250	6442	Pesi strutturali	0	0	-4.5E2	0	0	0
251	6442	Permanenti portati	0	0	-3.9E2	0	0	0	252	6442	Variabile C	0	0	-4.8E2	0	0	0
253	6438	Pesi strutturali	0	0	-4.5E2	0	0	0	254	6438	Permanenti portati	0	0	-3.9E2	0	0	0
255	6438	Variabile C	0	0	-4.8E2	0	0	0	256	6434	Pesi strutturali	0	0	-4.5E2	0	0	0
257	6434	Permanenti portati	0	0	-3.9E2	0	0	0	258	6434	Variabile C	0	0	-4.8E2	0	0	0
259	6430	Pesi strutturali	0	0	-4.5E2	0	0	0	260	6430	Permanenti portati	0	0	-3.9E2	0	0	0
261	6430	Variabile C	0	0	-4.8E2	0	0	0	262	6428	Pesi strutturali	0	0	-4.5E2	0	0	0
263	6428	Permanenti portati	0	0	-3.9E2	0	0	0	264	6428	Variabile C	0	0	-4.8E2	0	0	0
265	6422	Pesi strutturali	0	0	-4.5E2	0	0	0	266	6422	Permanenti portati	0	0	-3.9E2	0	0	0
267	6422	Variabile C	0	0	-4.8E2	0	0	0	268	6418	Pesi strutturali	0	0	-4.5E2	0	0	0
269	6418	Permanenti portati	0	0	-3.9E2	0	0	0	270	6418	Variabile C	0	0	-4.8E2	0	0	0
271	6624	Pesi strutturali	0	0	-6.2E2	0	0	0	272	6624	Permanenti portati	0	0	-1.1E2	0	0	0
273	6624	Variabile C	0	0	-3.6E2	0	0	0	274	6625	Pesi strutturali	0	0	-6.2E2	0	0	0
275	6625	Permanenti portati	0	0	-108	0	0	0	276	6625	Variabile C	0	0	-3.6E2	0	0	0

Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz	Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz
277	6626	Pesi strutturali	0	0	-3.9E2	0	0	0	278	6626	Permanenti portati	0	0	-84.7	0	0	0
279	6626	Variabile C	0	0	-2.2E2	0	0	0	280	6627	Pesi strutturali	0	0	-1.6E2	0	0	0
281	6627	Permanenti portati	0	0	-61.2	0	0	0	282	6627	Variabile C	0	0	-76.5	0	0	0
283	6628	Pesi strutturali	0	0	-1.6E2	0	0	0	284	6628	Permanenti portati	0	0	-61.2	0	0	0
285	6628	Variabile C	0	0	-76.5	0	0	0	286	6629	Pesi strutturali	0	0	-170	0	0	0
287	6629	Permanenti portati	0	0	-66.3	0	0	0	288	6629	Variabile C	0	0	-82.9	0	0	0
289	6630	Pesi strutturali	0	0	-1.8E2	0	0	0	290	6630	Permanenti portati	0	0	-71.4	0	0	0
291	6630	Variabile C	0	0	-89.3	0	0	0	292	6631	Pesi strutturali	0	0	-1.8E2	0	0	0
293	6631	Permanenti portati	0	0	-71.4	0	0	0	294	6631	Variabile C	0	0	-89.3	0	0	0
295	6632	Pesi strutturali	0	0	-1.8E2	0	0	0	296	6632	Permanenti portati	0	0	-71.4	0	0	0
297	6632	Variabile C	0	0	-89.3	0	0	0	298	6633	Pesi strutturali	0	0	-1.8E2	0	0	0
299	6633	Permanenti portati	0	0	-71.4	0	0	0	300	6633	Variabile C	0	0	-89.3	0	0	0
301	6634	Pesi strutturali	0	0	-1.8E2	0	0	0	302	6634	Permanenti portati	0	0	-71.4	0	0	0
303	6634	Variabile C	0	0	-89.3	0	0	0	304	6635	Pesi strutturali	0	0	-2.0E2	0	0	0
305	6635	Permanenti portati	0	0	-78.5	0	0	0	306	6635	Variabile C	0	0	-98.1	0	0	0
307	6636	Pesi strutturali	0	0	-2.2E2	0	0	0	308	6636	Permanenti portati	0	0	-85.5	0	0	0
309	6636	Variabile C	0	0	-1.1E2	0	0	0	310	6637	Pesi strutturali	0	0	-2.2E2	0	0	0
311	6637	Permanenti portati	0	0	-85.5	0	0	0	312	6637	Variabile C	0	0	-1.1E2	0	0	0
313	6638	Pesi strutturali	0	0	-2.2E2	0	0	0	314	6638	Permanenti portati	0	0	-85.5	0	0	0
315	6638	Variabile C	0	0	-1.1E2	0	0	0	316	6639	Pesi strutturali	0	0	-2.2E2	0	0	0
317	6639	Permanenti portati	0	0	-85.5	0	0	0	318	6639	Variabile C	0	0	-1.1E2	0	0	0
319	6641	Pesi strutturali	0	0	-2.2E2	0	0	0	320	6641	Permanenti portati	0	0	-85.5	0	0	0
321	6641	Variabile C	0	0	-1.1E2	0	0	0	322	6643	Pesi strutturali	0	0	-2.4E2	0	0	0
323	6643	Permanenti portati	0	0	-94.7	0	0	0	324	6643	Variabile C	0	0	-1.2E2	0	0	0
325	6646	Pesi strutturali	0	0	-2.9E2	0	0	0	326	6646	Permanenti portati	0	0	-1.8E2	0	0	0
327	6646	Variabile C	0	0	-2.3E2	0	0	0	328	6934	Pesi strutturali	0	0	-2.8E2	0	0	0
329	6934	Permanenti portati	0	0	-1.1E2	0	0	0	330	6934	Variabile C	0	0	-1.4E2	0	0	0
331	6909	Pesi strutturali	0	0	-2.1E2	0	0	0	332	6909	Permanenti portati	0	0	-86.9	0	0	0
333	6909	Variabile C	0	0	-1.1E2	0	0	0	334	6911	Pesi strutturali	0	0	-2.1E2	0	0	0
335	6911	Permanenti portati	0	0	-86.9	0	0	0	336	6911	Variabile C	0	0	-1.1E2	0	0	0
337	6913	Pesi strutturali	0	0	-2.1E2	0	0	0	338	6913	Permanenti portati	0	0	-86.9	0	0	0
339	6913	Variabile C	0	0	-1.1E2	0	0	0	340	6915	Pesi strutturali	0	0	-2.1E2	0	0	0
341	6915	Permanenti portati	0	0	-86.9	0	0	0	342	6915	Variabile C	0	0	-1.1E2	0	0	0
343	6917	Pesi strutturali	0	0	-2.1E2	0	0	0	344	6917	Permanenti portati	0	0	-86.9	0	0	0
345	6917	Variabile C	0	0	-1.1E2	0	0	0	346	6919	Pesi strutturali	0	0	-2.1E2	0	0	0
347	6919	Permanenti portati	0	0	-86.9	0	0	0	348	6919	Variabile C	0	0	-1.1E2	0	0	0
349	6921	Pesi strutturali	0	0	-2.1E2	0	0	0	350	6921	Permanenti portati	0	0	-86.9	0	0	0
351	6921	Variabile C	0	0	-1.1E2	0	0	0	352	6923	Pesi strutturali	0	0	-2.1E2	0	0	0
353	6923	Permanenti portati	0	0	-86.9	0	0	0	354	6923	Variabile C	0	0	-1.1E2	0	0	0
355	6925	Pesi strutturali	0	0	-2.1E2	0	0	0	356	6925	Permanenti portati	0	0	-86.9	0	0	0
357	6925	Variabile C	0	0	-1.1E2	0	0	0	358	6926	Pesi strutturali	0	0	-6.9E2	0	0	0
359	6926	Permanenti portati	0	0	-2.6E2	0	0	0	360	6926	Variabile C	0	0	-3.3E2	0	0	0
361	6927	Pesi strutturali	0	0	-2.0E2	0	0	0	362	6927	Permanenti portati	0	0	-81.1	0	0	0
363	6927	Variabile C	0	0	-1.0E2	0	0	0	364	6928	Pesi strutturali	0	0	-2.0E2	0	0	0
365	6928	Permanenti portati	0	0	-81.1	0	0	0	366	6928	Variabile C	0	0	-1.0E2	0	0	0
367	6929	Pesi strutturali	0	0	-2.0E2	0	0	0	368	6929	Permanenti portati	0	0	-81.1	0	0	0
369	6929	Variabile C	0	0	-1.0E2	0	0	0	370	6930	Pesi strutturali	0	0	-2.0E2	0	0	0
371	6930	Permanenti portati	0	0	-81.1	0	0	0	372	6930	Variabile C	0	0	-1.0E2	0	0	0
373	6931	Pesi strutturali	0	0	-2.0E2	0	0	0	374	6931	Permanenti portati	0	0	-81.1	0	0	0
375	6931	Variabile C	0	0	-1.0E2	0	0	0	376	6932	Pesi strutturali	0	0	-2.0E2	0	0	0
377	6932	Permanenti portati	0	0	-81.1	0	0	0	378	6932	Variabile C	0	0	-1.0E2	0	0	0
379	6933	Pesi strutturali	0	0	-2.0E2	0	0	0	380	6933	Permanenti portati	0	0	-81.1	0	0	0

Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz	Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz
381	6933	Variabile C	0	0	-1.0E2	0	0	0	382	7113	Pesi strutturali	0	0	-26.6	0	0	0
383	7113	Permanenti portati	0	0	-10	0	0	0	384	7113	Variabile C	0	0	-12.5	0	0	0
385	7145	Permanenti portati	0	0	-1.3E2	0	0	0	386	7145	Variabile C	0	0	-1.6E2	0	0	0
387	7146	Permanenti portati	0	0	-1.7E2	0	0	0	388	7146	Variabile C	0	0	-2.1E2	0	0	0
389	7147	Permanenti portati	0	0	-1.6E2	0	0	0	390	7147	Variabile C	0	0	-2.0E2	0	0	0
391	7148	Permanenti portati	0	0	-157	0	0	0	392	7148	Variabile C	0	0	-2.0E2	0	0	0
393	7149	Permanenti portati	0	0	-157	0	0	0	394	7149	Variabile C	0	0	-2.0E2	0	0	0
395	7150	Permanenti portati	0	0	-157	0	0	0	396	7150	Variabile C	0	0	-2.0E2	0	0	0
397	7151	Permanenti portati	0	0	-157	0	0	0	398	7151	Variabile C	0	0	-2.0E2	0	0	0
399	7152	Permanenti portati	0	0	-157	0	0	0	400	7152	Variabile C	0	0	-2.0E2	0	0	0
401	7153	Permanenti portati	0	0	-157	0	0	0	402	7153	Variabile C	0	0	-2.0E2	0	0	0
403	7154	Permanenti portati	0	0	-157	0	0	0	404	7154	Variabile C	0	0	-2.0E2	0	0	0
405	7156	Permanenti portati	0	0	-2.4E2	0	0	0	406	7156	Variabile C	0	0	-299	0	0	0
407	7156	Pesi strutturali	0	0	-3.8E2	0	0	0	408	7157	Pesi strutturali	0	0	-594	0	0	0
409	7157	Permanenti portati	0	0	-3.2E2	0	0	0	410	7157	Variabile C	0	0	-4.0E2	0	0	0
411	7158	Pesi strutturali	0	0	-594	0	0	0	412	7158	Permanenti portati	0	0	-3.2E2	0	0	0
413	7158	Variabile C	0	0	-4.0E2	0	0	0	414	7159	Pesi strutturali	0	0	-594	0	0	0
415	7159	Permanenti portati	0	0	-3.2E2	0	0	0	416	7159	Variabile C	0	0	-4.0E2	0	0	0
417	7160	Pesi strutturali	0	0	-594	0	0	0	418	7160	Permanenti portati	0	0	-3.2E2	0	0	0
419	7160	Variabile C	0	0	-4.0E2	0	0	0	420	7161	Pesi strutturali	0	0	-594	0	0	0
421	7161	Permanenti portati	0	0	-3.2E2	0	0	0	422	7161	Variabile C	0	0	-4.0E2	0	0	0
423	7162	Pesi strutturali	0	0	-594	0	0	0	424	7162	Permanenti portati	0	0	-3.2E2	0	0	0
425	7162	Variabile C	0	0	-4.0E2	0	0	0	426	7163	Pesi strutturali	0	0	-594	0	0	0
427	7163	Permanenti portati	0	0	-3.2E2	0	0	0	428	7163	Variabile C	0	0	-4.0E2	0	0	0
429	7164	Pesi strutturali	0	0	-6.0E2	0	0	0	430	7164	Permanenti portati	0	0	-3.3E2	0	0	0
431	7164	Variabile C	0	0	-4.1E2	0	0	0	432	7165	Pesi strutturali	0	0	-6.1E2	0	0	0
433	7165	Permanenti portati	0	0	-3.3E2	0	0	0	434	7165	Variabile C	0	0	-4.1E2	0	0	0
435	7166	Pesi strutturali	0	0	-6.1E2	0	0	0	436	7166	Permanenti portati	0	0	-3.3E2	0	0	0
437	7166	Variabile C	0	0	-4.1E2	0	0	0	438	7167	Pesi strutturali	0	0	-6.1E2	0	0	0
439	7167	Permanenti portati	0	0	-3.3E2	0	0	0	440	7167	Variabile C	0	0	-4.1E2	0	0	0
441	7168	Pesi strutturali	0	0	-6.1E2	0	0	0	442	7168	Permanenti portati	0	0	-3.3E2	0	0	0
443	7168	Variabile C	0	0	-4.1E2	0	0	0	444	7169	Pesi strutturali	0	0	-6.1E2	0	0	0
445	7169	Permanenti portati	0	0	-331	0	0	0	446	7169	Variabile C	0	0	-4.1E2	0	0	0
447	7170	Pesi strutturali	0	0	-610	0	0	0	448	7170	Permanenti portati	0	0	-3.3E2	0	0	0
449	7170	Variabile C	0	0	-4.1E2	0	0	0	450	7171	Pesi strutturali	0	0	-6.6E2	0	0	0
451	7171	Permanenti portati	0	0	-3.6E2	0	0	0	452	7171	Variabile C	0	0	-4.5E2	0	0	0
453	7172	Pesi strutturali	0	0	-7.1E2	0	0	0	454	7172	Permanenti portati	0	0	-3.9E2	0	0	0
455	7172	Variabile C	0	0	-4.8E2	0	0	0	456	7173	Pesi strutturali	0	0	-4.4E2	0	0	0
457	7173	Permanenti portati	0	0	-2.7E2	0	0	0	458	7173	Variabile C	0	0	-3.4E2	0	0	0
459	7174	Permanenti portati	0	0	-1.5E2	0	0	0	460	7174	Variabile C	0	0	-1.9E2	0	0	0
461	7175	Permanenti portati	0	0	-1.5E2	0	0	0	462	7175	Variabile C	0	0	-1.9E2	0	0	0
463	7176	Permanenti portati	0	0	-1.5E2	0	0	0	464	7176	Variabile C	0	0	-1.9E2	0	0	0
465	7177	Permanenti portati	0	0	-1.5E2	0	0	0	466	7177	Variabile C	0	0	-1.9E2	0	0	0
467	7178	Permanenti portati	0	0	-1.5E2	0	0	0	468	7178	Variabile C	0	0	-1.9E2	0	0	0
469	7179	Permanenti portati	0	0	-1.6E2	0	0	0	470	7179	Variabile C	0	0	-2.0E2	0	0	0
471	7180	Permanenti portati	0	0	-1.6E2	0	0	0	472	7180	Variabile C	0	0	-2.0E2	0	0	0
473	7181	Permanenti portati	0	0	-1.6E2	0	0	0	474	7181	Variabile C	0	0	-2.0E2	0	0	0
475	7182	Permanenti portati	0	0	-1.6E2	0	0	0	476	7182	Variabile C	0	0	-2.0E2	0	0	0
477	7183	Permanenti portati	0	0	-1.6E2	0	0	0	478	7183	Variabile C	0	0	-2.0E2	0	0	0
479	7184	Permanenti portati	0	0	-1.6E2	0	0	0	480	7184	Variabile C	0	0	-2.0E2	0	0	0
481	7185	Permanenti portati	0	0	-1.6E2	0	0	0	482	7185	Variabile C	0	0	-2.0E2	0	0	0
483	7186	Permanenti portati	0	0	-1.6E2	0	0	0	484	7186	Variabile C	0	0	-2.0E2	0	0	0

Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz	Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz
485	7187	Permanenti portati	0	0	-1.6E2	0	0	0	486	7187	Variabile C	0	0	-2.0E2	0	0	0
487	7188	Permanenti portati	0	0	-1.6E2	0	0	0	488	7188	Variabile C	0	0	-2.0E2	0	0	0
489	7189	Permanenti portati	0	0	-1.6E2	0	0	0	490	7189	Variabile C	0	0	-2.0E2	0	0	0
491	7190	Permanenti portati	0	0	-1.6E2	0	0	0	492	7190	Variabile C	0	0	-2.0E2	0	0	0
493	7191	Permanenti portati	0	0	-1.6E2	0	0	0	494	7191	Variabile C	0	0	-2.0E2	0	0	0
495	7192	Permanenti portati	0	0	-1.6E2	0	0	0	496	7192	Variabile C	0	0	-2.0E2	0	0	0
497	7193	Permanenti portati	0	0	-1.6E2	0	0	0	498	7193	Variabile C	0	0	-2.0E2	0	0	0
499	7194	Permanenti portati	0	0	-158	0	0	0	500	7194	Variabile C	0	0	-2.0E2	0	0	0
501	7195	Permanenti portati	0	0	-1.6E2	0	0	0	502	7195	Variabile C	0	0	-2.0E2	0	0	0
503	7196	Permanenti portati	0	0	-1.6E2	0	0	0	504	7196	Variabile C	0	0	-2.0E2	0	0	0
505	7197	Permanenti portati	0	0	-1.6E2	0	0	0	506	7197	Variabile C	0	0	-2.0E2	0	0	0
507	7198	Permanenti portati	0	0	-1.6E2	0	0	0	508	7198	Variabile C	0	0	-2.0E2	0	0	0
509	7199	Permanenti portati	0	0	-1.6E2	0	0	0	510	7199	Variabile C	0	0	-2.0E2	0	0	0
511	7200	Permanenti portati	0	0	-1.6E2	0	0	0	512	7200	Variabile C	0	0	-2.0E2	0	0	0
513	7201	Permanenti portati	0	0	-159	0	0	0	514	7201	Variabile C	0	0	-2.0E2	0	0	0
515	7205	Permanenti portati	0	0	-2.1E2	0	0	0	516	7205	Variabile C	0	0	-2.7E2	0	0	0
517	7145	Pesi strutturali	0	0	-2.1E2	0	0	0	518	7146	Pesi strutturali	0	0	-1.8E2	0	0	0
519	7147	Pesi strutturali	0	0	-1.7E2	0	0	0	520	7148	Pesi strutturali	0	0	-1.6E2	0	0	0
521	7149	Pesi strutturali	0	0	-1.6E2	0	0	0	522	7150	Pesi strutturali	0	0	-1.6E2	0	0	0
523	7151	Pesi strutturali	0	0	-1.6E2	0	0	0	524	7152	Pesi strutturali	0	0	-1.6E2	0	0	0
525	7153	Pesi strutturali	0	0	-1.6E2	0	0	0	526	7154	Pesi strutturali	0	0	-1.6E2	0	0	0
527	7174	Pesi strutturali	0	0	-1.6E2	0	0	0	528	7175	Pesi strutturali	0	0	-1.6E2	0	0	0
529	7176	Pesi strutturali	0	0	-1.6E2	0	0	0	530	7177	Pesi strutturali	0	0	-1.6E2	0	0	0
531	7178	Pesi strutturali	0	0	-1.6E2	0	0	0	532	7179	Pesi strutturali	0	0	-1.6E2	0	0	0
533	7180	Pesi strutturali	0	0	-1.7E2	0	0	0	534	7181	Pesi strutturali	0	0	-1.7E2	0	0	0
535	7182	Pesi strutturali	0	0	-1.7E2	0	0	0	536	7183	Pesi strutturali	0	0	-1.7E2	0	0	0
537	7184	Pesi strutturali	0	0	-1.7E2	0	0	0	538	7185	Pesi strutturali	0	0	-1.7E2	0	0	0
539	7186	Pesi strutturali	0	0	-1.7E2	0	0	0	540	7187	Pesi strutturali	0	0	-1.7E2	0	0	0
541	7188	Pesi strutturali	0	0	-1.6E2	0	0	0	542	7189	Pesi strutturali	0	0	-1.6E2	0	0	0
543	7190	Pesi strutturali	0	0	-1.6E2	0	0	0	544	7191	Pesi strutturali	0	0	-1.6E2	0	0	0
545	7192	Pesi strutturali	0	0	-1.6E2	0	0	0	546	7193	Pesi strutturali	0	0	-1.6E2	0	0	0
547	7194	Pesi strutturali	0	0	-1.6E2	0	0	0	548	7195	Pesi strutturali	0	0	-1.6E2	0	0	0
549	7196	Pesi strutturali	0	0	-1.6E2	0	0	0	550	7197	Pesi strutturali	0	0	-1.6E2	0	0	0
551	7198	Pesi strutturali	0	0	-1.6E2	0	0	0	552	7199	Pesi strutturali	0	0	-1.6E2	0	0	0
553	7200	Pesi strutturali	0	0	-1.6E2	0	0	0	554	7201	Pesi strutturali	0	0	-1.6E2	0	0	0
555	7205	Pesi strutturali	0	0	-2.8E2	0	0	0	556	6946	Pesi strutturali	0	0	-9.7E2	0	0	0
557	6946	Permanenti portati	0	0	-3.5E2	0	0	0	558	6946	Variabile C	0	0	-4.4E2	0	0	0
559	6953	Pesi strutturali	0	0	-9.7E2	0	0	0	560	6953	Permanenti portati	0	0	-353	0	0	0
561	6953	Variabile C	0	0	-4.4E2	0	0	0	562	6965	Pesi strutturali	0	0	-969	0	0	0
563	6965	Permanenti portati	0	0	-353	0	0	0	564	6965	Variabile C	0	0	-4.4E2	0	0	0
565	6976	Pesi strutturali	0	0	-9.7E2	0	0	0	566	6976	Permanenti portati	0	0	-353	0	0	0
567	6976	Variabile C	0	0	-4.4E2	0	0	0	568	6979	Pesi strutturali	0	0	-9.7E2	0	0	0
569	6979	Permanenti portati	0	0	-3.5E2	0	0	0	570	6979	Variabile C	0	0	-4.4E2	0	0	0
571	6985	Pesi strutturali	0	0	-9.7E2	0	0	0	572	6985	Permanenti portati	0	0	-3.5E2	0	0	0
573	6985	Variabile C	0	0	-4.4E2	0	0	0	574	6991	Pesi strutturali	0	0	-9.7E2	0	0	0
575	6991	Permanenti portati	0	0	-3.5E2	0	0	0	576	6991	Variabile C	0	0	-4.4E2	0	0	0
577	6999	Pesi strutturali	0	0	-9.7E2	0	0	0	578	6999	Permanenti portati	0	0	-3.5E2	0	0	0
579	6999	Variabile C	0	0	-441	0	0	0	580	7005	Pesi strutturali	0	0	-9.7E2	0	0	0
581	7005	Permanenti portati	0	0	-3.5E2	0	0	0	582	7005	Variabile C	0	0	-441	0	0	0
583	7017	Pesi strutturali	0	0	-9.5E2	0	0	0	584	7017	Permanenti portati	0	0	-3.5E2	0	0	0
585	7017	Variabile C	0	0	-4.4E2	0	0	0	586	7056	Pesi strutturali	0	0	-9.3E2	0	0	0
587	7056	Permanenti portati	0	0	-3.4E2	0	0	0	588	7056	Variabile C	0	0	-4.2E2	0	0	0

Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz
589	7064	Pesi strutturali	0	0	-9.3E2	0	0	0
590	7064	Permanenti portati	0	0	-3.4E2	0	0	0
591	7064	Variabile C	0	0	-4.2E2	0	0	0
592	7074	Pesi strutturali	0	0	-9.3E2	0	0	0
593	7074	Permanenti portati	0	0	-3.4E2	0	0	0
594	7074	Variabile C	0	0	-4.2E2	0	0	0
595	7082	Pesi strutturali	0	0	-9.3E2	0	0	0
596	7082	Permanenti portati	0	0	-3.4E2	0	0	0
597	7082	Variabile C	0	0	-4.2E2	0	0	0
598	7092	Pesi strutturali	0	0	-9.3E2	0	0	0
599	7092	Permanenti portati	0	0	-3.4E2	0	0	0
600	7092	Variabile C	0	0	-4.2E2	0	0	0
601	7100	Pesi strutturali	0	0	-9.3E2	0	0	0
602	7100	Permanenti portati	0	0	-3.4E2	0	0	0
603	7100	Variabile C	0	0	-4.2E2	0	0	0
604	7107	Pesi strutturali	0	0	-9.3E2	0	0	0
605	7107	Permanenti portati	0	0	-3.4E2	0	0	0
606	7107	Variabile C	0	0	-4.2E2	0	0	0
607	7125	Pesi strutturali	0	0	-4.6E2	0	0	0
608	7125	Permanenti portati	0	0	-1.7E2	0	0	0
609	7125	Variabile C	0	0	-2.1E2	0	0	0
610	6944	Pesi strutturali	0	0	-382	0	0	0
611	6944	Permanenti portati	0	0	-1.5E2	0	0	0
612	6944	Variabile C	0	0	-1.9E2	0	0	0
613	6951	Pesi strutturali	0	0	-382	0	0	0
614	6951	Permanenti portati	0	0	-1.5E2	0	0	0
615	6951	Variabile C	0	0	-1.9E2	0	0	0
616	6963	Pesi strutturali	0	0	-382	0	0	0
617	6963	Permanenti portati	0	0	-1.5E2	0	0	0
618	6963	Variabile C	0	0	-1.9E2	0	0	0
619	6969	Pesi strutturali	0	0	-3.9E2	0	0	0
620	6969	Permanenti portati	0	0	-1.5E2	0	0	0
621	6969	Variabile C	0	0	-191	0	0	0
622	6980	Pesi strutturali	0	0	-3.9E2	0	0	0
623	6980	Permanenti portati	0	0	-1.5E2	0	0	0
624	6980	Variabile C	0	0	-1.9E2	0	0	0
625	6986	Pesi strutturali	0	0	-3.9E2	0	0	0
626	6986	Permanenti portati	0	0	-1.5E2	0	0	0
627	6986	Variabile C	0	0	-1.9E2	0	0	0
628	6992	Pesi strutturali	0	0	-3.9E2	0	0	0
629	6992	Permanenti portati	0	0	-1.5E2	0	0	0
630	6992	Variabile C	0	0	-1.9E2	0	0	0
631	7000	Pesi strutturali	0	0	-3.9E2	0	0	0
632	7000	Permanenti portati	0	0	-1.5E2	0	0	0
633	7000	Variabile C	0	0	-1.9E2	0	0	0
634	7006	Pesi strutturali	0	0	-3.9E2	0	0	0
635	7006	Permanenti portati	0	0	-1.5E2	0	0	0
636	7006	Variabile C	0	0	-1.9E2	0	0	0
637	7020	Pesi strutturali	0	0	-8.0E2	0	0	0
638	7020	Permanenti portati	0	0	-3.8E2	0	0	0
639	7020	Variabile C	0	0	-4.8E2	0	0	0
640	7059	Pesi strutturali	0	0	-7.6E2	0	0	0
641	7059	Permanenti portati	0	0	-2.8E2	0	0	0
642	7059	Variabile C	0	0	-3.6E2	0	0	0
643	7067	Pesi strutturali	0	0	-7.7E2	0	0	0
644	7067	Permanenti portati	0	0	-2.8E2	0	0	0
645	7067	Variabile C	0	0	-3.6E2	0	0	0
646	7075	Pesi strutturali	0	0	-7.7E2	0	0	0
647	7075	Permanenti portati	0	0	-2.8E2	0	0	0
648	7075	Variabile C	0	0	-3.6E2	0	0	0
649	7083	Pesi strutturali	0	0	-7.7E2	0	0	0
650	7083	Permanenti portati	0	0	-2.8E2	0	0	0
651	7083	Variabile C	0	0	-3.6E2	0	0	0
652	7093	Pesi strutturali	0	0	-7.7E2	0	0	0
653	7093	Permanenti portati	0	0	-2.8E2	0	0	0
654	7093	Variabile C	0	0	-3.6E2	0	0	0
655	7101	Pesi strutturali	0	0	-7.7E2	0	0	0
656	7101	Permanenti portati	0	0	-2.8E2	0	0	0
657	7101	Variabile C	0	0	-3.6E2	0	0	0
658	7108	Pesi strutturali	0	0	-7.7E2	0	0	0
659	7108	Permanenti portati	0	0	-2.8E2	0	0	0
660	7108	Variabile C	0	0	-356	0	0	0
661	7132	Pesi strutturali	0	0	-3.8E2	0	0	0
662	7132	Permanenti portati	0	0	-1.4E2	0	0	0
663	7132	Variabile C	0	0	-178	0	0	0
664	7033	Pesi strutturali	0	0	-3.5E2	0	0	0
665	7033	Permanenti portati	0	0	-2.1E2	0	0	0
666	7033	Variabile C	0	0	-2.7E2	0	0	0
667	7031	Pesi strutturali	0	0	-4.6E2	0	0	0
668	7031	Permanenti portati	0	0	-3.2E2	0	0	0
669	7031	Variabile C	0	0	-4.0E2	0	0	0
670	7030	Pesi strutturali	0	0	-4.6E2	0	0	0
671	7030	Permanenti portati	0	0	-3.2E2	0	0	0
672	7030	Variabile C	0	0	-4.0E2	0	0	0
673	7029	Pesi strutturali	0	0	-4.6E2	0	0	0
674	7029	Permanenti portati	0	0	-3.2E2	0	0	0
675	7029	Variabile C	0	0	-4.0E2	0	0	0
676	7028	Pesi strutturali	0	0	-4.6E2	0	0	0
677	7028	Permanenti portati	0	0	-3.2E2	0	0	0
678	7028	Variabile C	0	0	-4.0E2	0	0	0
679	7027	Pesi strutturali	0	0	-4.8E2	0	0	0
680	7027	Permanenti portati	0	0	-3.4E2	0	0	0
681	7027	Variabile C	0	0	-4.2E2	0	0	0
682	7026	Pesi strutturali	0	0	-5.1E2	0	0	0
683	7026	Permanenti portati	0	0	-3.5E2	0	0	0
684	7026	Variabile C	0	0	-4.4E2	0	0	0
685	7025	Pesi strutturali	0	0	-5.1E2	0	0	0
686	7025	Permanenti portati	0	0	-3.5E2	0	0	0
687	7025	Variabile C	0	0	-4.4E2	0	0	0
688	7024	Pesi strutturali	0	0	-5.1E2	0	0	0
689	7024	Permanenti portati	0	0	-3.5E2	0	0	0
690	7024	Variabile C	0	0	-4.4E2	0	0	0
691	7023	Pesi strutturali	0	0	-506	0	0	0
692	7023	Permanenti portati	0	0	-3.5E2	0	0	0

Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz	Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz
693	7023	Variabile C	0	0	-4.4E2	0	0	0	694	7022	Pesi strutturali	0	0	-506	0	0	0
695	7022	Permanenti portati	0	0	-3.5E2	0	0	0	696	7022	Variabile C	0	0	-4.4E2	0	0	0
697	7021	Pesi strutturali	0	0	-5.1E2	0	0	0	698	7021	Permanenti portati	0	0	-3.5E2	0	0	0
699	7021	Variabile C	0	0	-4.4E2	0	0	0	700	7061	Pesi strutturali	0	0	-2.4E2	0	0	0
701	7061	Permanenti portati	0	0	-90.2	0	0	0	702	7061	Variabile C	0	0	-1.1E2	0	0	0
703	7069	Pesi strutturali	0	0	-2.4E2	0	0	0	704	7069	Permanenti portati	0	0	-90.1	0	0	0
705	7069	Variabile C	0	0	-1.1E2	0	0	0	706	7077	Pesi strutturali	0	0	-2.4E2	0	0	0
707	7077	Permanenti portati	0	0	-90.1	0	0	0	708	7077	Variabile C	0	0	-1.1E2	0	0	0
709	7085	Pesi strutturali	0	0	-2.4E2	0	0	0	710	7085	Permanenti portati	0	0	-90.1	0	0	0
711	7085	Variabile C	0	0	-1.1E2	0	0	0	712	7095	Pesi strutturali	0	0	-2.4E2	0	0	0
713	7095	Permanenti portati	0	0	-90.1	0	0	0	714	7095	Variabile C	0	0	-1.1E2	0	0	0
715	7102	Pesi strutturali	0	0	-2.4E2	0	0	0	716	7102	Permanenti portati	0	0	-90.1	0	0	0
717	7102	Variabile C	0	0	-1.1E2	0	0	0	718	7109	Pesi strutturali	0	0	-2.4E2	0	0	0
719	7109	Permanenti portati	0	0	-90.1	0	0	0	720	7109	Variabile C	0	0	-1.1E2	0	0	0
721	7243	Pesi strutturali	0	0	-2.3E2	0	0	0	722	7243	Permanenti portati	0	0	-81.3	0	0	0
723	7243	Variabile C	0	0	-1.0E2	0	0	0	724	7244	Pesi strutturali	0	0	-4.5E2	0	0	0
725	7244	Permanenti portati	0	0	-1.6E2	0	0	0	726	7244	Variabile C	0	0	-2.0E2	0	0	0
727	7245	Pesi strutturali	0	0	-4.5E2	0	0	0	728	7245	Permanenti portati	0	0	-1.6E2	0	0	0
729	7245	Variabile C	0	0	-2.0E2	0	0	0	730	7246	Pesi strutturali	0	0	-4.5E2	0	0	0
731	7246	Permanenti portati	0	0	-1.6E2	0	0	0	732	7246	Variabile C	0	0	-2.0E2	0	0	0
733	7247	Pesi strutturali	0	0	-4.5E2	0	0	0	734	7247	Permanenti portati	0	0	-1.6E2	0	0	0
735	7247	Variabile C	0	0	-2.0E2	0	0	0	736	7248	Pesi strutturali	0	0	-4.5E2	0	0	0
737	7248	Permanenti portati	0	0	-1.6E2	0	0	0	738	7248	Variabile C	0	0	-2.0E2	0	0	0
739	7249	Pesi strutturali	0	0	-4.5E2	0	0	0	740	7249	Permanenti portati	0	0	-1.6E2	0	0	0
741	7249	Variabile C	0	0	-2.0E2	0	0	0	742	7250	Pesi strutturali	0	0	-4.5E2	0	0	0
743	7250	Permanenti portati	0	0	-1.6E2	0	0	0	744	7250	Variabile C	0	0	-2.0E2	0	0	0
745	7251	Pesi strutturali	0	0	-4.7E2	0	0	0	746	7251	Permanenti portati	0	0	-168	0	0	0
747	7251	Variabile C	0	0	-210	0	0	0	748	7252	Pesi strutturali	0	0	-4.8E2	0	0	0
749	7252	Permanenti portati	0	0	-1.7E2	0	0	0	750	7252	Variabile C	0	0	-2.2E2	0	0	0
751	7253	Pesi strutturali	0	0	-4.8E2	0	0	0	752	7253	Permanenti portati	0	0	-1.7E2	0	0	0
753	7253	Variabile C	0	0	-2.2E2	0	0	0	754	7254	Pesi strutturali	0	0	-4.8E2	0	0	0
755	7254	Permanenti portati	0	0	-1.7E2	0	0	0	756	7254	Variabile C	0	0	-2.2E2	0	0	0
757	7255	Pesi strutturali	0	0	-4.8E2	0	0	0	758	7255	Permanenti portati	0	0	-1.7E2	0	0	0
759	7255	Variabile C	0	0	-2.2E2	0	0	0	760	7256	Pesi strutturali	0	0	-4.8E2	0	0	0
761	7256	Permanenti portati	0	0	-1.7E2	0	0	0	762	7256	Variabile C	0	0	-2.2E2	0	0	0
763	7257	Pesi strutturali	0	0	-4.8E2	0	0	0	764	7257	Permanenti portati	0	0	-1.7E2	0	0	0
765	7257	Variabile C	0	0	-2.2E2	0	0	0	766	7258	Pesi strutturali	0	0	-4.8E2	0	0	0
767	7258	Permanenti portati	0	0	-1.7E2	0	0	0	768	7258	Variabile C	0	0	-2.2E2	0	0	0
769	7259	Pesi strutturali	0	0	-4.8E2	0	0	0	770	7259	Permanenti portati	0	0	-1.7E2	0	0	0
771	7259	Variabile C	0	0	-2.2E2	0	0	0	772	7260	Pesi strutturali	0	0	-2.4E2	0	0	0
773	7260	Permanenti portati	0	0	-86.7	0	0	0	774	7260	Variabile C	0	0	-1.1E2	0	0	0
775	6257	Pesi strutturali	0	0	-1.6E2	0	0	0	776	6257	Permanenti portati	0	0	-28.4	0	0	0
777	6257	Variabile C	0	0	-94.8	0	0	0	778	6258	Pesi strutturali	0	0	-391	0	0	0
779	6258	Permanenti portati	0	0	-70	0	0	0	780	6258	Variabile C	0	0	-2.3E2	0	0	0
781	6259	Pesi strutturali	0	0	-4.6E2	0	0	0	782	6259	Permanenti portati	0	0	-83.1	0	0	0
783	6259	Variabile C	0	0	-2.8E2	0	0	0	784	6260	Pesi strutturali	0	0	-4.6E2	0	0	0
785	6260	Permanenti portati	0	0	-83.1	0	0	0	786	6260	Variabile C	0	0	-2.8E2	0	0	0
787	6261	Pesi strutturali	0	0	-4.7E2	0	0	0	788	6261	Permanenti portati	0	0	-83.5	0	0	0
789	6261	Variabile C	0	0	-2.8E2	0	0	0	790	6262	Pesi strutturali	0	0	-4.7E2	0	0	0
791	6262	Permanenti portati	0	0	-84	0	0	0	792	6262	Variabile C	0	0	-2.8E2	0	0	0
793	6263	Pesi strutturali	0	0	-4.7E2	0	0	0	794	6263	Permanenti portati	0	0	-84	0	0	0
795	6263	Variabile C	0	0	-2.8E2	0	0	0	796	6264	Pesi strutturali	0	0	-4.9E2	0	0	0

Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz
797	6264	Permanenti portati	0	0	-87.5	0	0	0
798	6264	Variabile C	0	0	-2.9E2	0	0	0
799	6265	Pesi strutturali	0	0	-5.1E2	0	0	0
800	6265	Permanenti portati	0	0	-91	0	0	0
801	6265	Variabile C	0	0	-3.0E2	0	0	0
802	6266	Pesi strutturali	0	0	-5.1E2	0	0	0
803	6266	Permanenti portati	0	0	-91	0	0	0
804	6266	Variabile C	0	0	-3.0E2	0	0	0
805	6267	Pesi strutturali	0	0	-5.1E2	0	0	0
806	6267	Permanenti portati	0	0	-91	0	0	0
807	6267	Variabile C	0	0	-3.0E2	0	0	0
808	6268	Pesi strutturali	0	0	-5.1E2	0	0	0
809	6268	Permanenti portati	0	0	-91	0	0	0
810	6268	Variabile C	0	0	-3.0E2	0	0	0
811	6269	Pesi strutturali	0	0	-4.8E2	0	0	0
812	6269	Permanenti portati	0	0	-86.1	0	0	0
813	6269	Variabile C	0	0	-2.9E2	0	0	0
814	6270	Pesi strutturali	0	0	-4.5E2	0	0	0
815	6270	Permanenti portati	0	0	-81.3	0	0	0
816	6270	Variabile C	0	0	-2.7E2	0	0	0
817	6271	Pesi strutturali	0	0	-4.5E2	0	0	0
818	6271	Permanenti portati	0	0	-81.3	0	0	0
819	6271	Variabile C	0	0	-2.7E2	0	0	0
820	6273	Pesi strutturali	0	0	-1.7E2	0	0	0
821	6273	Permanenti portati	0	0	-29.8	0	0	0
822	6273	Variabile C	0	0	-99.3	0	0	0
823	6330	Pesi strutturali	0	0	-45.1	0	0	0
824	6330	Permanenti portati	0	0	-37.5	0	0	0
825	6330	Variabile C	0	0	-46.9	0	0	0
826	6357	Pesi strutturali	0	0	-2.1E2	0	0	0
827	6357	Permanenti portati	0	0	-1.5E2	0	0	0
828	6357	Variabile C	0	0	-1.9E2	0	0	0
829	6361	Pesi strutturali	0	0	-2.7E2	0	0	0
830	6361	Permanenti portati	0	0	-1.9E2	0	0	0
831	6361	Variabile C	0	0	-2.4E2	0	0	0
832	6367	Pesi strutturali	0	0	-3.2E2	0	0	0
833	6367	Permanenti portati	0	0	-2.3E2	0	0	0
834	6367	Variabile C	0	0	-2.8E2	0	0	0
835	6373	Pesi strutturali	0	0	-3.2E2	0	0	0
836	6373	Permanenti portati	0	0	-2.3E2	0	0	0
837	6373	Variabile C	0	0	-2.8E2	0	0	0
838	6379	Pesi strutturali	0	0	-3.2E2	0	0	0
839	6379	Permanenti portati	0	0	-2.3E2	0	0	0
840	6379	Variabile C	0	0	-2.8E2	0	0	0
841	6384	Pesi strutturali	0	0	-3.3E2	0	0	0
842	6384	Permanenti portati	0	0	-2.3E2	0	0	0
843	6384	Variabile C	0	0	-2.9E2	0	0	0
844	6390	Pesi strutturali	0	0	-3.3E2	0	0	0
845	6390	Permanenti portati	0	0	-2.3E2	0	0	0
846	6390	Variabile C	0	0	-2.9E2	0	0	0
847	6403	Pesi strutturali	0	0	-4.6E2	0	0	0
848	6403	Permanenti portati	0	0	-3.2E2	0	0	0
849	6403	Variabile C	0	0	-4.0E2	0	0	0
850	6419	Pesi strutturali	0	0	-460	0	0	0
851	6419	Permanenti portati	0	0	-3.1E2	0	0	0
852	6419	Variabile C	0	0	-3.9E2	0	0	0
853	6423	Pesi strutturali	0	0	-459	0	0	0
854	6423	Permanenti portati	0	0	-3.1E2	0	0	0
855	6423	Variabile C	0	0	-3.9E2	0	0	0
856	6426	Pesi strutturali	0	0	-5.1E2	0	0	0
857	6426	Permanenti portati	0	0	-3.4E2	0	0	0
858	6426	Variabile C	0	0	-4.3E2	0	0	0
859	6431	Pesi strutturali	0	0	-5.5E2	0	0	0
860	6431	Permanenti portati	0	0	-3.7E2	0	0	0
861	6431	Variabile C	0	0	-4.7E2	0	0	0
862	6435	Pesi strutturali	0	0	-5.5E2	0	0	0
863	6435	Permanenti portati	0	0	-3.7E2	0	0	0
864	6435	Variabile C	0	0	-4.7E2	0	0	0
865	6440	Pesi strutturali	0	0	-5.0E2	0	0	0
866	6440	Permanenti portati	0	0	-3.4E2	0	0	0
867	6440	Variabile C	0	0	-4.2E2	0	0	0
868	6444	Pesi strutturali	0	0	-4.4E2	0	0	0
869	6444	Permanenti portati	0	0	-3.0E2	0	0	0
870	6444	Variabile C	0	0	-3.7E2	0	0	0
871	6451	Pesi strutturali	0	0	-5.0E2	0	0	0
872	6451	Permanenti portati	0	0	-3.4E2	0	0	0
873	6451	Variabile C	0	0	-4.2E2	0	0	0
874	6455	Pesi strutturali	0	0	-550	0	0	0
875	6455	Permanenti portati	0	0	-3.7E2	0	0	0
876	6455	Variabile C	0	0	-4.7E2	0	0	0
877	6459	Pesi strutturali	0	0	-5.5E2	0	0	0
878	6459	Permanenti portati	0	0	-3.7E2	0	0	0
879	6459	Variabile C	0	0	-4.7E2	0	0	0
880	6463	Pesi strutturali	0	0	-5.5E2	0	0	0
881	6463	Permanenti portati	0	0	-3.7E2	0	0	0
882	6463	Variabile C	0	0	-4.7E2	0	0	0
883	6467	Pesi strutturali	0	0	-5.5E2	0	0	0
884	6467	Permanenti portati	0	0	-3.7E2	0	0	0
885	6467	Variabile C	0	0	-4.7E2	0	0	0
886	6471	Pesi strutturali	0	0	-446	0	0	0
887	6471	Permanenti portati	0	0	-3.0E2	0	0	0
888	6471	Variabile C	0	0	-3.8E2	0	0	0
889	6475	Pesi strutturali	0	0	-3.4E2	0	0	0
890	6475	Permanenti portati	0	0	-2.3E2	0	0	0
891	6475	Variabile C	0	0	-2.9E2	0	0	0
892	6482	Pesi strutturali	0	0	-4.4E2	0	0	0
893	6482	Permanenti portati	0	0	-3.0E2	0	0	0
894	6482	Variabile C	0	0	-3.7E2	0	0	0
895	6486	Pesi strutturali	0	0	-5.3E2	0	0	0
896	6486	Permanenti portati	0	0	-3.6E2	0	0	0
897	6486	Variabile C	0	0	-4.5E2	0	0	0
898	6490	Pesi strutturali	0	0	-4.9E2	0	0	0
899	6490	Permanenti portati	0	0	-3.3E2	0	0	0
900	6490	Variabile C	0	0	-4.1E2	0	0	0

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Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz	Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz
901	6492	Pesi strutturali	0	0	-4.5E2	0	0	0	902	6492	Permanenti portati	0	0	-3.0E2	0	0	0
903	6492	Variabile C	0	0	-3.8E2	0	0	0	904	6496	Pesi strutturali	0	0	-4.5E2	0	0	0
905	6496	Permanenti portati	0	0	-3.0E2	0	0	0	906	6496	Variabile C	0	0	-3.8E2	0	0	0
907	6500	Pesi strutturali	0	0	-4.5E2	0	0	0	908	6500	Permanenti portati	0	0	-3.0E2	0	0	0
909	6500	Variabile C	0	0	-3.8E2	0	0	0	910	6504	Pesi strutturali	0	0	-3.9E2	0	0	0
911	6504	Permanenti portati	0	0	-2.7E2	0	0	0	912	6504	Variabile C	0	0	-3.3E2	0	0	0
913	6508	Pesi strutturali	0	0	-3.4E2	0	0	0	914	6508	Permanenti portati	0	0	-2.3E2	0	0	0
915	6508	Variabile C	0	0	-2.9E2	0	0	0	916	6515	Pesi strutturali	0	0	-4.6E2	0	0	0
917	6515	Permanenti portati	0	0	-3.1E2	0	0	0	918	6515	Variabile C	0	0	-3.9E2	0	0	0
919	6528	Pesi strutturali	0	0	-5.9E2	0	0	0	920	6528	Permanenti portati	0	0	-4.0E2	0	0	0
921	6528	Variabile C	0	0	-5.0E2	0	0	0	922	6532	Pesi strutturali	0	0	-5.0E2	0	0	0
923	6532	Permanenti portati	0	0	-3.4E2	0	0	0	924	6532	Variabile C	0	0	-4.2E2	0	0	0
925	6536	Pesi strutturali	0	0	-4.1E2	0	0	0	926	6536	Permanenti portati	0	0	-2.8E2	0	0	0
927	6536	Variabile C	0	0	-3.5E2	0	0	0	928	6538	Pesi strutturali	0	0	-4.1E2	0	0	0
929	6538	Permanenti portati	0	0	-2.8E2	0	0	0	930	6538	Variabile C	0	0	-3.5E2	0	0	0
931	6542	Pesi strutturali	0	0	-4.1E2	0	0	0	932	6542	Permanenti portati	0	0	-2.8E2	0	0	0
933	6542	Variabile C	0	0	-3.5E2	0	0	0	934	6546	Pesi strutturali	0	0	-4.1E2	0	0	0
935	6546	Permanenti portati	0	0	-2.8E2	0	0	0	936	6546	Variabile C	0	0	-3.5E2	0	0	0
937	6550	Pesi strutturali	0	0	-4.1E2	0	0	0	938	6550	Permanenti portati	0	0	-2.8E2	0	0	0
939	6550	Variabile C	0	0	-3.5E2	0	0	0	940	6558	Pesi strutturali	0	0	-5.0E2	0	0	0
941	6558	Permanenti portati	0	0	-3.4E2	0	0	0	942	6558	Variabile C	0	0	-4.2E2	0	0	0
943	6562	Pesi strutturali	0	0	-5.8E2	0	0	0	944	6562	Permanenti portati	0	0	-4.0E2	0	0	0
945	6562	Variabile C	0	0	-4.9E2	0	0	0	946	6566	Pesi strutturali	0	0	-499	0	0	0
947	6566	Permanenti portati	0	0	-3.4E2	0	0	0	948	6566	Variabile C	0	0	-4.2E2	0	0	0
949	6570	Pesi strutturali	0	0	-4.1E2	0	0	0	950	6570	Permanenti portati	0	0	-2.8E2	0	0	0
951	6570	Variabile C	0	0	-3.5E2	0	0	0	952	6572	Pesi strutturali	0	0	-4.1E2	0	0	0
953	6572	Permanenti portati	0	0	-2.8E2	0	0	0	954	6572	Variabile C	0	0	-3.5E2	0	0	0
955	6576	Pesi strutturali	0	0	-4.1E2	0	0	0	956	6576	Permanenti portati	0	0	-2.8E2	0	0	0
957	6576	Variabile C	0	0	-3.5E2	0	0	0	958	6580	Pesi strutturali	0	0	-4.1E2	0	0	0
959	6580	Permanenti portati	0	0	-2.8E2	0	0	0	960	6580	Variabile C	0	0	-3.4E2	0	0	0
961	6584	Pesi strutturali	0	0	-4.0E2	0	0	0	962	6584	Permanenti portati	0	0	-2.7E2	0	0	0
963	6584	Variabile C	0	0	-3.4E2	0	0	0	964	6588	Pesi strutturali	0	0	-4.2E2	0	0	0
965	6588	Permanenti portati	0	0	-2.9E2	0	0	0	966	6588	Variabile C	0	0	-3.6E2	0	0	0
967	6594	Pesi strutturali	0	0	-4.4E2	0	0	0	968	6594	Permanenti portati	0	0	-3.0E2	0	0	0
969	6594	Variabile C	0	0	-3.7E2	0	0	0	970	6598	Pesi strutturali	0	0	-4.4E2	0	0	0
971	6598	Permanenti portati	0	0	-3.0E2	0	0	0	972	6598	Variabile C	0	0	-3.7E2	0	0	0
973	6602	Pesi strutturali	0	0	-5.0E2	0	0	0	974	6602	Permanenti portati	0	0	-3.4E2	0	0	0
975	6602	Variabile C	0	0	-4.2E2	0	0	0	976	6606	Pesi strutturali	0	0	-5.5E2	0	0	0
977	6606	Permanenti portati	0	0	-3.7E2	0	0	0	978	6606	Variabile C	0	0	-4.7E2	0	0	0
979	6610	Pesi strutturali	0	0	-5.5E2	0	0	0	980	6610	Permanenti portati	0	0	-3.7E2	0	0	0
981	6610	Variabile C	0	0	-4.7E2	0	0	0	982	6614	Pesi strutturali	0	0	-4.8E2	0	0	0
983	6614	Permanenti portati	0	0	-3.3E2	0	0	0	984	6614	Variabile C	0	0	-4.1E2	0	0	0
985	6618	Pesi strutturali	0	0	-4.2E2	0	0	0	986	6618	Permanenti portati	0	0	-2.8E2	0	0	0
987	6618	Variabile C	0	0	-3.5E2	0	0	0	988	6840	Pesi strutturali	0	0	-1.9E2	0	0	0
989	6840	Permanenti portati	0	0	-1.3E2	0	0	0	990	6840	Variabile C	0	0	-1.6E2	0	0	0
991	6839	Pesi strutturali	0	0	-3.9E2	0	0	0	992	6839	Permanenti portati	0	0	-2.6E2	0	0	0
993	6839	Variabile C	0	0	-3.3E2	0	0	0	994	6838	Pesi strutturali	0	0	-3.9E2	0	0	0
995	6838	Permanenti portati	0	0	-2.6E2	0	0	0	996	6838	Variabile C	0	0	-3.3E2	0	0	0
997	6837	Pesi strutturali	0	0	-4.7E2	0	0	0	998	6837	Permanenti portati	0	0	-3.2E2	0	0	0
999	6837	Variabile C	0	0	-3.9E2	0	0	0	1000	6836	Pesi strutturali	0	0	-5.4E2	0	0	0
1001	6836	Permanenti portati	0	0	-3.7E2	0	0	0	1002	6836	Variabile C	0	0	-4.6E2	0	0	0
1003	6835	Pesi strutturali	0	0	-5.4E2	0	0	0	1004	6835	Permanenti portati	0	0	-3.7E2	0	0	0

Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz	Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz
1005	6835	Variabile C	0	0	-4.6E2	0	0	0	1006	6834	Pesi strutturali	0	0	-5.0E2	0	0	0
1007	6834	Permanenti portati	0	0	-3.4E2	0	0	0	1008	6834	Variabile C	0	0	-4.2E2	0	0	0
1009	6833	Pesi strutturali	0	0	-459	0	0	0	1010	6833	Permanenti portati	0	0	-3.1E2	0	0	0
1011	6833	Variabile C	0	0	-389	0	0	0	1012	6779	Pesi strutturali	0	0	-4.6E2	0	0	0
1013	6779	Permanenti portati	0	0	-3.1E2	0	0	0	1014	6779	Variabile C	0	0	-3.9E2	0	0	0
1015	6832	Pesi strutturali	0	0	-4.6E2	0	0	0	1016	6832	Permanenti portati	0	0	-3.1E2	0	0	0
1017	6832	Variabile C	0	0	-3.9E2	0	0	0	1018	6831	Pesi strutturali	0	0	-4.5E2	0	0	0
1019	6831	Permanenti portati	0	0	-3.0E2	0	0	0	1020	6831	Variabile C	0	0	-379	0	0	0
1021	6830	Pesi strutturali	0	0	-4.4E2	0	0	0	1022	6830	Permanenti portati	0	0	-3.0E2	0	0	0
1023	6830	Variabile C	0	0	-3.7E2	0	0	0	1024	6829	Pesi strutturali	0	0	-4.4E2	0	0	0
1025	6829	Permanenti portati	0	0	-3.0E2	0	0	0	1026	6829	Variabile C	0	0	-3.7E2	0	0	0
1027	6828	Pesi strutturali	0	0	-4.4E2	0	0	0	1028	6828	Permanenti portati	0	0	-3.0E2	0	0	0
1029	6828	Variabile C	0	0	-3.7E2	0	0	0	1030	6827	Pesi strutturali	0	0	-4.9E2	0	0	0
1031	6827	Permanenti portati	0	0	-3.3E2	0	0	0	1032	6827	Variabile C	0	0	-4.2E2	0	0	0
1033	6778	Pesi strutturali	0	0	-5.5E2	0	0	0	1034	6778	Permanenti portati	0	0	-3.8E2	0	0	0
1035	6778	Variabile C	0	0	-4.7E2	0	0	0	1036	6826	Pesi strutturali	0	0	-5.6E2	0	0	0
1037	6826	Permanenti portati	0	0	-3.8E2	0	0	0	1038	6826	Variabile C	0	0	-4.7E2	0	0	0
1039	6825	Pesi strutturali	0	0	-4.8E2	0	0	0	1040	6825	Permanenti portati	0	0	-3.3E2	0	0	0
1041	6825	Variabile C	0	0	-4.1E2	0	0	0	1042	6824	Pesi strutturali	0	0	-4.1E2	0	0	0
1043	6824	Permanenti portati	0	0	-2.7E2	0	0	0	1044	6824	Variabile C	0	0	-3.4E2	0	0	0
1045	6823	Pesi strutturali	0	0	-4.1E2	0	0	0	1046	6823	Permanenti portati	0	0	-2.7E2	0	0	0
1047	6823	Variabile C	0	0	-3.4E2	0	0	0	1048	6822	Pesi strutturali	0	0	-4.1E2	0	0	0
1049	6822	Permanenti portati	0	0	-2.7E2	0	0	0	1050	6822	Variabile C	0	0	-3.4E2	0	0	0
1051	6821	Pesi strutturali	0	0	-4.7E2	0	0	0	1052	6821	Permanenti portati	0	0	-3.2E2	0	0	0
1053	6821	Variabile C	0	0	-4.0E2	0	0	0	1054	6820	Pesi strutturali	0	0	-5.4E2	0	0	0
1055	6820	Permanenti portati	0	0	-3.6E2	0	0	0	1056	6820	Variabile C	0	0	-4.5E2	0	0	0
1057	6777	Pesi strutturali	0	0	-4.7E2	0	0	0	1058	6777	Permanenti portati	0	0	-3.2E2	0	0	0
1059	6777	Variabile C	0	0	-4.0E2	0	0	0	1060	6819	Pesi strutturali	0	0	-4.1E2	0	0	0
1061	6819	Permanenti portati	0	0	-2.8E2	0	0	0	1062	6819	Variabile C	0	0	-3.5E2	0	0	0
1063	6818	Pesi strutturali	0	0	-4.1E2	0	0	0	1064	6818	Permanenti portati	0	0	-2.8E2	0	0	0
1065	6818	Variabile C	0	0	-3.5E2	0	0	0	1066	6817	Pesi strutturali	0	0	-4.7E2	0	0	0
1067	6817	Permanenti portati	0	0	-3.2E2	0	0	0	1068	6817	Variabile C	0	0	-4.0E2	0	0	0
1069	6816	Pesi strutturali	0	0	-5.4E2	0	0	0	1070	6816	Permanenti portati	0	0	-3.7E2	0	0	0
1071	6816	Variabile C	0	0	-4.6E2	0	0	0	1072	6815	Pesi strutturali	0	0	-5.4E2	0	0	0
1073	6815	Permanenti portati	0	0	-3.7E2	0	0	0	1074	6815	Variabile C	0	0	-4.6E2	0	0	0
1075	6814	Pesi strutturali	0	0	-5.2E2	0	0	0	1076	6814	Permanenti portati	0	0	-3.5E2	0	0	0
1077	6814	Variabile C	0	0	-4.4E2	0	0	0	1078	6813	Pesi strutturali	0	0	-5.0E2	0	0	0
1079	6813	Permanenti portati	0	0	-3.4E2	0	0	0	1080	6813	Variabile C	0	0	-4.2E2	0	0	0
1081	6776	Pesi strutturali	0	0	-5.3E2	0	0	0	1082	6776	Permanenti portati	0	0	-3.6E2	0	0	0
1083	6776	Variabile C	0	0	-4.5E2	0	0	0	1084	6812	Pesi strutturali	0	0	-5.7E2	0	0	0
1085	6812	Permanenti portati	0	0	-3.9E2	0	0	0	1086	6812	Variabile C	0	0	-4.8E2	0	0	0
1087	6811	Pesi strutturali	0	0	-5.0E2	0	0	0	1088	6811	Permanenti portati	0	0	-342	0	0	0
1089	6811	Variabile C	0	0	-4.3E2	0	0	0	1090	6810	Pesi strutturali	0	0	-4.4E2	0	0	0
1091	6810	Permanenti portati	0	0	-3.0E2	0	0	0	1092	6810	Variabile C	0	0	-3.7E2	0	0	0
1093	6809	Pesi strutturali	0	0	-4.4E2	0	0	0	1094	6809	Permanenti portati	0	0	-3.0E2	0	0	0
1095	6809	Variabile C	0	0	-3.7E2	0	0	0	1096	6808	Pesi strutturali	0	0	-4.4E2	0	0	0
1097	6808	Permanenti portati	0	0	-3.0E2	0	0	0	1098	6808	Variabile C	0	0	-3.7E2	0	0	0
1099	6807	Pesi strutturali	0	0	-4.6E2	0	0	0	1100	6807	Permanenti portati	0	0	-3.1E2	0	0	0
1101	6807	Variabile C	0	0	-3.9E2	0	0	0	1102	6775	Pesi strutturali	0	0	-4.7E2	0	0	0
1103	6775	Permanenti portati	0	0	-3.2E2	0	0	0	1104	6775	Variabile C	0	0	-399	0	0	0
1105	6806	Pesi strutturali	0	0	-4.6E2	0	0	0	1106	6806	Permanenti portati	0	0	-3.1E2	0	0	0
1107	6806	Variabile C	0	0	-393	0	0	0	1108	6805	Pesi strutturali	0	0	-4.6E2	0	0	0

Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz	Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz
1109	6805	Permanenti portati	0	0	-3.1E2	0	0	0	1110	6805	Variabile C	0	0	-393	0	0	0
1111	6804	Pesi strutturali	0	0	-5.0E2	0	0	0	1112	6804	Permanenti portati	0	0	-3.4E2	0	0	0
1113	6804	Variabile C	0	0	-4.3E2	0	0	0	1114	6803	Pesi strutturali	0	0	-5.4E2	0	0	0
1115	6803	Permanenti portati	0	0	-3.7E2	0	0	0	1116	6803	Variabile C	0	0	-4.6E2	0	0	0
1117	6802	Pesi strutturali	0	0	-5.4E2	0	0	0	1118	6802	Permanenti portati	0	0	-3.7E2	0	0	0
1119	6802	Variabile C	0	0	-4.6E2	0	0	0	1120	6801	Pesi strutturali	0	0	-4.8E2	0	0	0
1121	6801	Permanenti portati	0	0	-3.2E2	0	0	0	1122	6801	Variabile C	0	0	-4.0E2	0	0	0
1123	6800	Pesi strutturali	0	0	-4.1E2	0	0	0	1124	6800	Permanenti portati	0	0	-2.8E2	0	0	0
1125	6800	Variabile C	0	0	-349	0	0	0	1126	6774	Pesi strutturali	0	0	-4.2E2	0	0	0
1127	6774	Permanenti portati	0	0	-2.9E2	0	0	0	1128	6774	Variabile C	0	0	-3.6E2	0	0	0
1129	6799	Pesi strutturali	0	0	-4.4E2	0	0	0	1130	6799	Permanenti portati	0	0	-3.0E2	0	0	0
1131	6799	Variabile C	0	0	-3.7E2	0	0	0	1132	6798	Pesi strutturali	0	0	-4.4E2	0	0	0
1133	6798	Permanenti portati	0	0	-3.0E2	0	0	0	1134	6798	Variabile C	0	0	-3.7E2	0	0	0
1135	6797	Pesi strutturali	0	0	-421	0	0	0	1136	6797	Permanenti portati	0	0	-2.9E2	0	0	0
1137	6797	Variabile C	0	0	-3.6E2	0	0	0	1138	6796	Pesi strutturali	0	0	-4.1E2	0	0	0
1139	6796	Permanenti portati	0	0	-2.7E2	0	0	0	1140	6796	Variabile C	0	0	-3.4E2	0	0	0
1141	6795	Pesi strutturali	0	0	-4.1E2	0	0	0	1142	6795	Permanenti portati	0	0	-2.7E2	0	0	0
1143	6795	Variabile C	0	0	-3.4E2	0	0	0	1144	6794	Pesi strutturali	0	0	-4.1E2	0	0	0
1145	6794	Permanenti portati	0	0	-2.7E2	0	0	0	1146	6794	Variabile C	0	0	-3.4E2	0	0	0
1147	6793	Pesi strutturali	0	0	-5.3E2	0	0	0	1148	6793	Permanenti portati	0	0	-3.6E2	0	0	0
1149	6793	Variabile C	0	0	-4.5E2	0	0	0	1150	6773	Pesi strutturali	0	0	-616	0	0	0
1151	6773	Permanenti portati	0	0	-4.2E2	0	0	0	1152	6773	Variabile C	0	0	-5.2E2	0	0	0
1153	6792	Pesi strutturali	0	0	-5.8E2	0	0	0	1154	6792	Permanenti portati	0	0	-3.9E2	0	0	0
1155	6792	Variabile C	0	0	-4.9E2	0	0	0	1156	6791	Pesi strutturali	0	0	-5.1E2	0	0	0
1157	6791	Permanenti portati	0	0	-3.4E2	0	0	0	1158	6791	Variabile C	0	0	-429	0	0	0
1159	6790	Pesi strutturali	0	0	-4.4E2	0	0	0	1160	6790	Permanenti portati	0	0	-3.0E2	0	0	0
1161	6790	Variabile C	0	0	-3.7E2	0	0	0	1162	6789	Pesi strutturali	0	0	-4.4E2	0	0	0
1163	6789	Permanenti portati	0	0	-296	0	0	0	1164	6789	Variabile C	0	0	-3.7E2	0	0	0
1165	6788	Pesi strutturali	0	0	-4.4E2	0	0	0	1166	6788	Permanenti portati	0	0	-296	0	0	0
1167	6788	Variabile C	0	0	-370	0	0	0	1168	6787	Pesi strutturali	0	0	-4.5E2	0	0	0
1169	6787	Permanenti portati	0	0	-3.1E2	0	0	0	1170	6787	Variabile C	0	0	-3.8E2	0	0	0
1171	6772	Pesi strutturali	0	0	-4.9E2	0	0	0	1172	6772	Permanenti portati	0	0	-3.3E2	0	0	0
1173	6772	Variabile C	0	0	-416	0	0	0	1174	6786	Pesi strutturali	0	0	-5.1E2	0	0	0
1175	6786	Permanenti portati	0	0	-3.5E2	0	0	0	1176	6786	Variabile C	0	0	-4.3E2	0	0	0
1177	6785	Pesi strutturali	0	0	-5.3E2	0	0	0	1178	6785	Permanenti portati	0	0	-3.6E2	0	0	0
1179	6785	Variabile C	0	0	-4.5E2	0	0	0	1180	6784	Pesi strutturali	0	0	-5.4E2	0	0	0
1181	6784	Permanenti portati	0	0	-3.7E2	0	0	0	1182	6784	Variabile C	0	0	-4.6E2	0	0	0
1183	6783	Pesi strutturali	0	0	-5.4E2	0	0	0	1184	6783	Permanenti portati	0	0	-3.7E2	0	0	0
1185	6783	Variabile C	0	0	-4.6E2	0	0	0	1186	6782	Pesi strutturali	0	0	-5.2E2	0	0	0
1187	6782	Permanenti portati	0	0	-3.5E2	0	0	0	1188	6782	Variabile C	0	0	-4.4E2	0	0	0
1189	6781	Pesi strutturali	0	0	-5.0E2	0	0	0	1190	6781	Permanenti portati	0	0	-3.4E2	0	0	0
1191	6781	Variabile C	0	0	-4.2E2	0	0	0	1192	6698	Pesi strutturali	0	0	-2.0E2	0	0	0
1193	6698	Permanenti portati	0	0	-1.4E2	0	0	0	1194	6698	Variabile C	0	0	-1.7E2	0	0	0
1195	7207	Pesi strutturali	0	0	-4.0E2	0	0	0	1196	7207	Permanenti portati	0	0	-2.7E2	0	0	0
1197	7207	Variabile C	0	0	-3.4E2	0	0	0	1198	7208	Pesi strutturali	0	0	-4.3E2	0	0	0
1199	7208	Permanenti portati	0	0	-2.9E2	0	0	0	1200	7208	Variabile C	0	0	-3.6E2	0	0	0
1201	7209	Pesi strutturali	0	0	-4.7E2	0	0	0	1202	7209	Permanenti portati	0	0	-315	0	0	0
1203	7209	Variabile C	0	0	-3.9E2	0	0	0	1204	7210	Pesi strutturali	0	0	-4.7E2	0	0	0
1205	7210	Permanenti portati	0	0	-315	0	0	0	1206	7210	Variabile C	0	0	-3.9E2	0	0	0
1207	7211	Pesi strutturali	0	0	-5.2E2	0	0	0	1208	7211	Permanenti portati	0	0	-348	0	0	0
1209	7211	Variabile C	0	0	-4.4E2	0	0	0	1210	7212	Pesi strutturali	0	0	-5.7E2	0	0	0
1211	7212	Permanenti portati	0	0	-381	0	0	0	1212	7212	Variabile C	0	0	-4.8E2	0	0	0

Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz	Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz
1213	7213	Pesi strutturali	0	0	-2.8E2	0	0	0	1214	7213	Permanenti portati	0	0	-1.9E2	0	0	0
1215	7213	Variabile C	0	0	-2.4E2	0	0	0	1216	6962	Pesi strutturali	0	0	-3.3E2	0	0	0
1217	6962	Permanenti portati	0	0	-2.2E2	0	0	0	1218	6962	Variabile C	0	0	-2.8E2	0	0	0
1219	6961	Pesi strutturali	0	0	-5.9E2	0	0	0	1220	6961	Permanenti portati	0	0	-3.9E2	0	0	0
1221	6961	Variabile C	0	0	-4.9E2	0	0	0	1222	6960	Pesi strutturali	0	0	-5.0E2	0	0	0
1223	6960	Permanenti portati	0	0	-3.3E2	0	0	0	1224	6960	Variabile C	0	0	-4.2E2	0	0	0
1225	6959	Pesi strutturali	0	0	-5.0E2	0	0	0	1226	6959	Permanenti portati	0	0	-3.3E2	0	0	0
1227	6959	Variabile C	0	0	-4.2E2	0	0	0	1228	6958	Pesi strutturali	0	0	-5.0E2	0	0	0
1229	6958	Permanenti portati	0	0	-3.3E2	0	0	0	1230	6958	Variabile C	0	0	-4.2E2	0	0	0
1231	6957	Pesi strutturali	0	0	-4.2E2	0	0	0	1232	6957	Permanenti portati	0	0	-2.8E2	0	0	0
1233	6957	Variabile C	0	0	-3.5E2	0	0	0	1234	6956	Pesi strutturali	0	0	-3.4E2	0	0	0
1235	6956	Permanenti portati	0	0	-2.3E2	0	0	0	1236	6956	Variabile C	0	0	-2.8E2	0	0	0
1237	6954	Pesi strutturali	0	0	-1.7E2	0	0	0	1238	6954	Permanenti portati	0	0	-1.1E2	0	0	0
1239	6954	Variabile C	0	0	-1.4E2	0	0	0	1240	10129	Pesi strutturali	0	0	-1.9E2	0	0	0
1241	10129	Permanenti portati	0	0	-68.9	0	0	0	1242	10129	Variabile C	0	0	-86.1	0	0	0
1243	10118	Pesi strutturali	0	0	-3.8E2	0	0	0	1244	10118	Permanenti portati	0	0	-1.4E2	0	0	0
1245	10118	Variabile C	0	0	-1.7E2	0	0	0	1246	10115	Pesi strutturali	0	0	-3.8E2	0	0	0
1247	10115	Permanenti portati	0	0	-1.4E2	0	0	0	1248	10115	Variabile C	0	0	-1.7E2	0	0	0
1249	10112	Pesi strutturali	0	0	-3.8E2	0	0	0	1250	10112	Permanenti portati	0	0	-1.4E2	0	0	0
1251	10112	Variabile C	0	0	-1.7E2	0	0	0	1252	10110	Pesi strutturali	0	0	-3.8E2	0	0	0
1253	10110	Permanenti portati	0	0	-1.4E2	0	0	0	1254	10110	Variabile C	0	0	-1.7E2	0	0	0
1255	10108	Pesi strutturali	0	0	-3.8E2	0	0	0	1256	10108	Permanenti portati	0	0	-1.4E2	0	0	0
1257	10108	Variabile C	0	0	-1.7E2	0	0	0	1258	10106	Pesi strutturali	0	0	-3.8E2	0	0	0
1259	10106	Permanenti portati	0	0	-1.4E2	0	0	0	1260	10106	Variabile C	0	0	-1.7E2	0	0	0
1261	10104	Pesi strutturali	0	0	-3.8E2	0	0	0	1262	10104	Permanenti portati	0	0	-1.4E2	0	0	0
1263	10104	Variabile C	0	0	-1.7E2	0	0	0	1264	10100	Pesi strutturali	0	0	-3.8E2	0	0	0
1265	10100	Permanenti portati	0	0	-1.4E2	0	0	0	1266	10100	Variabile C	0	0	-1.7E2	0	0	0
1267	10075	Pesi strutturali	0	0	-3.8E2	0	0	0	1268	10075	Permanenti portati	0	0	-1.4E2	0	0	0
1269	10075	Variabile C	0	0	-1.7E2	0	0	0	1270	10073	Pesi strutturali	0	0	-3.8E2	0	0	0
1271	10073	Permanenti portati	0	0	-1.4E2	0	0	0	1272	10073	Variabile C	0	0	-1.7E2	0	0	0
1273	10071	Pesi strutturali	0	0	-3.8E2	0	0	0	1274	10071	Permanenti portati	0	0	-1.4E2	0	0	0
1275	10071	Variabile C	0	0	-1.7E2	0	0	0	1276	10069	Pesi strutturali	0	0	-3.8E2	0	0	0
1277	10069	Permanenti portati	0	0	-1.4E2	0	0	0	1278	10069	Variabile C	0	0	-1.7E2	0	0	0
1279	10067	Pesi strutturali	0	0	-3.8E2	0	0	0	1280	10067	Permanenti portati	0	0	-1.4E2	0	0	0
1281	10067	Variabile C	0	0	-1.7E2	0	0	0	1282	10065	Pesi strutturali	0	0	-3.8E2	0	0	0
1283	10065	Permanenti portati	0	0	-1.4E2	0	0	0	1284	10065	Variabile C	0	0	-1.7E2	0	0	0
1285	10054	Pesi strutturali	0	0	-3.8E2	0	0	0	1286	10054	Permanenti portati	0	0	-1.4E2	0	0	0
1287	10054	Variabile C	0	0	-1.7E2	0	0	0	1288	10052	Pesi strutturali	0	0	-1.9E2	0	0	0
1289	10052	Permanenti portati	0	0	-68.9	0	0	0	1290	10052	Variabile C	0	0	-86.1	0	0	0
1291	9977	Pesi strutturali	0	0	-2.0E2	0	0	0	1292	9977	Permanenti portati	0	0	-71.9	0	0	0
1293	9977	Variabile C	0	0	-89.9	0	0	0	1294	10008	Pesi strutturali	0	0	-4.0E2	0	0	0
1295	10008	Permanenti portati	0	0	-1.4E2	0	0	0	1296	10008	Variabile C	0	0	-1.8E2	0	0	0
1297	10009	Pesi strutturali	0	0	-4.0E2	0	0	0	1298	10009	Permanenti portati	0	0	-1.4E2	0	0	0
1299	10009	Variabile C	0	0	-1.8E2	0	0	0	1300	10012	Pesi strutturali	0	0	-4.0E2	0	0	0
1301	10012	Permanenti portati	0	0	-1.4E2	0	0	0	1302	10012	Variabile C	0	0	-1.8E2	0	0	0
1303	10018	Pesi strutturali	0	0	-4.0E2	0	0	0	1304	10018	Permanenti portati	0	0	-1.4E2	0	0	0
1305	10018	Variabile C	0	0	-1.8E2	0	0	0	1306	10019	Pesi strutturali	0	0	-4.0E2	0	0	0
1307	10019	Permanenti portati	0	0	-1.4E2	0	0	0	1308	10019	Variabile C	0	0	-1.8E2	0	0	0
1309	10020	Pesi strutturali	0	0	-4.0E2	0	0	0	1310	10020	Permanenti portati	0	0	-1.4E2	0	0	0
1311	10020	Variabile C	0	0	-1.8E2	0	0	0	1312	10030	Pesi strutturali	0	0	-3.8E2	0	0	0
1313	10030	Permanenti portati	0	0	-140	0	0	0	1314	10030	Variabile C	0	0	-175	0	0	0
1315	10035	Pesi strutturali	0	0	-3.7E2	0	0	0	1316	10035	Permanenti portati	0	0	-1.4E2	0	0	0

Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz	Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz
1317	10035	Variabile C	0	0	-1.7E2	0	0	0	1318	10042	Pesi strutturali	0	0	-3.7E2	0	0	0
1319	10042	Permanenti portati	0	0	-1.4E2	0	0	0	1320	10042	Variabile C	0	0	-1.7E2	0	0	0
1321	10044	Pesi strutturali	0	0	-5.0E2	0	0	0	1322	10044	Permanenti portati	0	0	-1.8E2	0	0	0
1323	10044	Variabile C	0	0	-2.3E2	0	0	0	1324	10053	Pesi strutturali	0	0	-6.2E2	0	0	0
1325	10053	Permanenti portati	0	0	-2.3E2	0	0	0	1326	10053	Variabile C	0	0	-284	0	0	0
1327	10064	Pesi strutturali	0	0	-7.2E2	0	0	0	1328	10064	Permanenti portati	0	0	-2.6E2	0	0	0
1329	10064	Variabile C	0	0	-3.3E2	0	0	0	1330	10066	Pesi strutturali	0	0	-8.1E2	0	0	0
1331	10066	Permanenti portati	0	0	-3.0E2	0	0	0	1332	10066	Variabile C	0	0	-3.7E2	0	0	0
1333	10068	Pesi strutturali	0	0	-8.1E2	0	0	0	1334	10068	Permanenti portati	0	0	-3.0E2	0	0	0
1335	10068	Variabile C	0	0	-3.7E2	0	0	0	1336	10070	Pesi strutturali	0	0	-8.1E2	0	0	0
1337	10070	Permanenti portati	0	0	-3.0E2	0	0	0	1338	10070	Variabile C	0	0	-3.7E2	0	0	0
1339	10072	Pesi strutturali	0	0	-8.1E2	0	0	0	1340	10072	Permanenti portati	0	0	-3.0E2	0	0	0
1341	10072	Variabile C	0	0	-3.7E2	0	0	0	1342	10074	Pesi strutturali	0	0	-8.1E2	0	0	0
1343	10074	Permanenti portati	0	0	-3.0E2	0	0	0	1344	10074	Variabile C	0	0	-3.7E2	0	0	0
1345	10097	Pesi strutturali	0	0	-7.6E2	0	0	0	1346	10097	Permanenti portati	0	0	-2.8E2	0	0	0
1347	10097	Variabile C	0	0	-3.5E2	0	0	0	1348	10103	Pesi strutturali	0	0	-7.2E2	0	0	0
1349	10103	Permanenti portati	0	0	-2.6E2	0	0	0	1350	10103	Variabile C	0	0	-3.3E2	0	0	0
1351	10105	Pesi strutturali	0	0	-7.2E2	0	0	0	1352	10105	Permanenti portati	0	0	-2.6E2	0	0	0
1353	10105	Variabile C	0	0	-3.3E2	0	0	0	1354	10107	Pesi strutturali	0	0	-693	0	0	0
1355	10107	Permanenti portati	0	0	-2.5E2	0	0	0	1356	10107	Variabile C	0	0	-3.2E2	0	0	0
1357	10109	Pesi strutturali	0	0	-6.7E2	0	0	0	1358	10109	Permanenti portati	0	0	-2.4E2	0	0	0
1359	10109	Variabile C	0	0	-3.1E2	0	0	0	1360	10111	Pesi strutturali	0	0	-6.7E2	0	0	0
1361	10111	Permanenti portati	0	0	-2.4E2	0	0	0	1362	10111	Variabile C	0	0	-3.1E2	0	0	0
1363	10113	Pesi strutturali	0	0	-6.7E2	0	0	0	1364	10113	Permanenti portati	0	0	-2.4E2	0	0	0
1365	10113	Variabile C	0	0	-3.1E2	0	0	0	1366	10114	Pesi strutturali	0	0	-7.4E2	0	0	0
1367	10114	Permanenti portati	0	0	-2.7E2	0	0	0	1368	10114	Variabile C	0	0	-3.4E2	0	0	0
1369	10116	Pesi strutturali	0	0	-8.1E2	0	0	0	1370	10116	Permanenti portati	0	0	-3.0E2	0	0	0
1371	10116	Variabile C	0	0	-3.7E2	0	0	0	1372	10139	Pesi strutturali	0	0	-3.9E2	0	0	0
1373	10139	Permanenti portati	0	0	-1.4E2	0	0	0	1374	10139	Variabile C	0	0	-1.8E2	0	0	0
1375	9698	Pesi strutturali	0	0	-1.5E2	0	0	0	1376	9698	Permanenti portati	0	0	-26.9	0	0	0
1377	9698	Variabile C	0	0	-89.8	0	0	0	1378	9699	Pesi strutturali	0	0	-3.4E2	0	0	0
1379	9699	Permanenti portati	0	0	-61.8	0	0	0	1380	9699	Variabile C	0	0	-2.1E2	0	0	0
1381	9700	Pesi strutturali	0	0	-3.8E2	0	0	0	1382	9700	Permanenti portati	0	0	-69.1	0	0	0
1383	9700	Variabile C	0	0	-2.3E2	0	0	0	1384	9701	Pesi strutturali	0	0	-3.8E2	0	0	0
1385	9701	Permanenti portati	0	0	-69.1	0	0	0	1386	9701	Variabile C	0	0	-2.3E2	0	0	0
1387	9702	Pesi strutturali	0	0	-4.4E2	0	0	0	1388	9702	Permanenti portati	0	0	-79.9	0	0	0
1389	9702	Variabile C	0	0	-2.7E2	0	0	0	1390	9703	Pesi strutturali	0	0	-5.0E2	0	0	0
1391	9703	Permanenti portati	0	0	-90.7	0	0	0	1392	9703	Variabile C	0	0	-3.0E2	0	0	0
1393	9704	Pesi strutturali	0	0	-5.0E2	0	0	0	1394	9704	Permanenti portati	0	0	-90.7	0	0	0
1395	9704	Variabile C	0	0	-3.0E2	0	0	0	1396	9705	Pesi strutturali	0	0	-4.9E2	0	0	0
1397	9705	Permanenti portati	0	0	-88.9	0	0	0	1398	9705	Variabile C	0	0	-3.0E2	0	0	0
1399	9706	Pesi strutturali	0	0	-4.8E2	0	0	0	1400	9706	Permanenti portati	0	0	-87	0	0	0
1401	9706	Variabile C	0	0	-2.9E2	0	0	0	1402	9707	Pesi strutturali	0	0	-4.8E2	0	0	0
1403	9707	Permanenti portati	0	0	-87	0	0	0	1404	9707	Variabile C	0	0	-2.9E2	0	0	0
1405	9708	Pesi strutturali	0	0	-4.8E2	0	0	0	1406	9708	Permanenti portati	0	0	-87	0	0	0
1407	9708	Variabile C	0	0	-2.9E2	0	0	0	1408	9709	Pesi strutturali	0	0	-4.8E2	0	0	0
1409	9709	Permanenti portati	0	0	-87	0	0	0	1410	9709	Variabile C	0	0	-2.9E2	0	0	0
1411	9710	Pesi strutturali	0	0	-4.6E2	0	0	0	1412	9710	Permanenti portati	0	0	-82.4	0	0	0
1413	9710	Variabile C	0	0	-2.7E2	0	0	0	1414	9711	Pesi strutturali	0	0	-4.3E2	0	0	0
1415	9711	Permanenti portati	0	0	-77.7	0	0	0	1416	9711	Variabile C	0	0	-2.6E2	0	0	0
1417	9712	Pesi strutturali	0	0	-4.3E2	0	0	0	1418	9712	Permanenti portati	0	0	-77.7	0	0	0
1419	9712	Variabile C	0	0	-2.6E2	0	0	0	1420	9713	Pesi strutturali	0	0	-1.6E2	0	0	0

Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz
1421	9713	Permanenti portati	0	0	-28.5	0	0	0
1423	9754	Pesi strutturali	0	0	-1.7E2	0	0	0
1425	9754	Variabile C	0	0	-83	0	0	0
1427	9755	Permanenti portati	0	0	-1.3E2	0	0	0
1429	9756	Pesi strutturali	0	0	-3.4E2	0	0	0
1431	9756	Variabile C	0	0	-166	0	0	0
1433	9757	Permanenti portati	0	0	-1.3E2	0	0	0
1435	9758	Pesi strutturali	0	0	-3.4E2	0	0	0
1437	9758	Variabile C	0	0	-166	0	0	0
1439	9759	Permanenti portati	0	0	-48.6	0	0	0
1441	9888	Pesi strutturali	0	0	-2.1E2	0	0	0
1443	9888	Variabile C	0	0	-96.9	0	0	0
1445	9890	Permanenti portati	0	0	-1.5E2	0	0	0
1447	9891	Pesi strutturali	0	0	-4.3E2	0	0	0
1449	9891	Variabile C	0	0	-1.9E2	0	0	0
1451	9893	Permanenti portati	0	0	-1.6E2	0	0	0
1453	9897	Pesi strutturali	0	0	-4.3E2	0	0	0
1455	9897	Variabile C	0	0	-1.9E2	0	0	0
1457	9900	Permanenti portati	0	0	-1.1E2	0	0	0
1459	9901	Pesi strutturali	0	0	-343	0	0	0
1461	9901	Variabile C	0	0	-1.5E2	0	0	0
1463	9905	Permanenti portati	0	0	-1.8E2	0	0	0
1465	9907	Pesi strutturali	0	0	-2.4E2	0	0	0
1467	9907	Variabile C	0	0	-1.1E2	0	0	0
1469	12362	Permanenti portati	0	0	-0.2	0	0	0
1471	12364	Pesi strutturali	0	0	-4.7E2	0	0	0
1473	12364	Variabile H	0	0	-34.9	0	0	0
1475	12366	Permanenti portati	0	0	-55.8	0	0	0
1477	12368	Pesi strutturali	0	0	-4.7E2	0	0	0
1479	12368	Variabile H	0	0	-34.9	0	0	0
1481	12370	Permanenti portati	0	0	-55.8	0	0	0
1483	12372	Pesi strutturali	0	0	-4.7E2	0	0	0
1485	12372	Variabile H	0	0	-34.9	0	0	0
1487	12374	Permanenti portati	0	0	-55.8	0	0	0
1489	12375	Pesi strutturali	0	0	-475	0	0	0
1491	12375	Variabile H	0	0	-35.6	0	0	0
1493	12376	Permanenti portati	0	0	-58	0	0	0
1495	12377	Pesi strutturali	0	0	-4.8E2	0	0	0
1497	12377	Variabile H	0	0	-36.3	0	0	0
1499	12378	Permanenti portati	0	0	-58	0	0	0
1501	12379	Pesi strutturali	0	0	-4.8E2	0	0	0
1503	12379	Variabile H	0	0	-36.3	0	0	0
1505	12380	Permanenti portati	0	0	-54.3	0	0	0
1507	12381	Pesi strutturali	0	0	-423	0	0	0
1509	12381	Variabile H	0	0	-31.7	0	0	0
1511	12382	Permanenti portati	0	0	-50.7	0	0	0
1513	12383	Pesi strutturali	0	0	-1.6E2	0	0	0
1515	12383	Variabile H	0	0	-11.9	0	0	0
1517	12404	Permanenti portati	0	0	-8	0	0	0
1519	12404	Neve	0	0	-5	0	0	0
1521	12416	Variabile H	0	0	-14.2	0	0	0
1523	12417	Variabile H	0	0	-28.5	0	0	0

Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz
1422	9713	Variabile C	0	0	-95	0	0	0
1424	9754	Permanenti portati	0	0	-66.4	0	0	0
1426	9755	Pesi strutturali	0	0	-3.4E2	0	0	0
1428	9755	Variabile C	0	0	-166	0	0	0
1430	9756	Permanenti portati	0	0	-1.3E2	0	0	0
1432	9757	Pesi strutturali	0	0	-3.4E2	0	0	0
1434	9757	Variabile C	0	0	-166	0	0	0
1436	9758	Permanenti portati	0	0	-1.3E2	0	0	0
1438	9759	Pesi strutturali	0	0	-1.2E2	0	0	0
1440	9759	Variabile C	0	0	-60.7	0	0	0
1442	9888	Permanenti portati	0	0	-77.5	0	0	0
1444	9890	Pesi strutturali	0	0	-4.3E2	0	0	0
1446	9890	Variabile C	0	0	-1.9E2	0	0	0
1448	9891	Permanenti portati	0	0	-155	0	0	0
1450	9893	Pesi strutturali	0	0	-4.3E2	0	0	0
1452	9893	Variabile C	0	0	-1.9E2	0	0	0
1454	9897	Permanenti portati	0	0	-1.5E2	0	0	0
1456	9900	Pesi strutturali	0	0	-3.1E2	0	0	0
1458	9900	Variabile C	0	0	-1.4E2	0	0	0
1460	9901	Permanenti portati	0	0	-1.2E2	0	0	0
1462	9905	Pesi strutturali	0	0	-4.9E2	0	0	0
1464	9905	Variabile C	0	0	-219	0	0	0
1466	9907	Permanenti portati	0	0	-87.3	0	0	0
1468	12362	Pesi strutturali	0	0	-2.1	0	0	0
1470	12362	Variabile H	0	0	-0.2	0	0	0
1472	12364	Permanenti portati	0	0	-55.8	0	0	0
1474	12366	Pesi strutturali	0	0	-4.7E2	0	0	0
1476	12366	Variabile H	0	0	-34.9	0	0	0
1478	12368	Permanenti portati	0	0	-55.8	0	0	0
1480	12370	Pesi strutturali	0	0	-4.7E2	0	0	0
1482	12370	Variabile H	0	0	-34.9	0	0	0
1484	12372	Permanenti portati	0	0	-55.8	0	0	0
1486	12374	Pesi strutturali	0	0	-4.7E2	0	0	0
1488	12374	Variabile H	0	0	-34.9	0	0	0
1490	12375	Permanenti portati	0	0	-56.9	0	0	0
1492	12376	Pesi strutturali	0	0	-4.8E2	0	0	0
1494	12376	Variabile H	0	0	-36.3	0	0	0
1496	12377	Permanenti portati	0	0	-58	0	0	0
1498	12378	Pesi strutturali	0	0	-4.8E2	0	0	0
1500	12378	Variabile H	0	0	-36.3	0	0	0
1502	12379	Permanenti portati	0	0	-58	0	0	0
1504	12380	Pesi strutturali	0	0	-4.5E2	0	0	0
1506	12380	Variabile H	0	0	-34	0	0	0
1508	12381	Permanenti portati	0	0	-50.7	0	0	0
1510	12382	Pesi strutturali	0	0	-423	0	0	0
1512	12382	Variabile H	0	0	-31.7	0	0	0
1514	12383	Permanenti portati	0	0	-19	0	0	0
1516	12404	Pesi strutturali	0	0	-23.8	0	0	0
1518	12404	Variabile H	0	0	-4.4	0	0	0
1520	12416	Permanenti portati	0	0	-25.6	0	0	0
1522	12417	Permanenti portati	0	0	-51.3	0	0	0
1524	12418	Permanenti portati	0	0	-51.3	0	0	0

Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz	Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz
1525	12418	Variabile H	0	0	-28.5	0	0	0	1526	12419	Permanenti portati	0	0	-51.4	0	0	0
1527	12419	Variabile H	0	0	-28.6	0	0	0	1528	12420	Permanenti portati	0	0	-51.5	0	0	0
1529	12420	Variabile H	0	0	-28.6	0	0	0	1530	12421	Permanenti portati	0	0	-25.8	0	0	0
1531	12421	Variabile H	0	0	-14.3	0	0	0	1532	12421	Pesi strutturali	0	0	-98.2	0	0	0
1533	12421	Permanenti portati	0	0	-33.1	0	0	0	1534	12421	Variabile H	0	0	-18.4	0	0	0
1535	12421	Neve	0	0	-20.6	0	0	0	1536	12422	Pesi strutturali	0	0	-2.7E2	0	0	0
1537	12422	Permanenti portati	0	0	-90.8	0	0	0	1538	12422	Variabile H	0	0	-50.5	0	0	0
1539	12422	Neve	0	0	-56.5	0	0	0	1540	12423	Pesi strutturali	0	0	-2.5E2	0	0	0
1541	12423	Permanenti portati	0	0	-83.3	0	0	0	1542	12423	Variabile H	0	0	-46.3	0	0	0
1543	12423	Neve	0	0	-51.9	0	0	0	1544	12424	Pesi strutturali	0	0	-2.3E2	0	0	0
1545	12424	Permanenti portati	0	0	-78.3	0	0	0	1546	12424	Variabile H	0	0	-43.5	0	0	0
1547	12424	Neve	0	0	-48.7	0	0	0	1548	12425	Pesi strutturali	0	0	-2.2E2	0	0	0
1549	12425	Permanenti portati	0	0	-73.2	0	0	0	1550	12425	Variabile H	0	0	-40.7	0	0	0
1551	12425	Neve	0	0	-45.5	0	0	0	1552	12426	Pesi strutturali	0	0	-2.0E2	0	0	0
1553	12426	Permanenti portati	0	0	-68.1	0	0	0	1554	12426	Variabile H	0	0	-37.9	0	0	0
1555	12426	Neve	0	0	-42.4	0	0	0	1556	12427	Pesi strutturali	0	0	-1.9E2	0	0	0
1557	12427	Permanenti portati	0	0	-63.1	0	0	0	1558	12427	Variabile H	0	0	-35	0	0	0
1559	12427	Neve	0	0	-39.2	0	0	0	1560	12428	Pesi strutturali	0	0	-1.7E2	0	0	0
1561	12428	Permanenti portati	0	0	-58	0	0	0	1562	12428	Variabile H	0	0	-32.2	0	0	0
1563	12428	Neve	0	0	-36.1	0	0	0	1564	12434	Pesi strutturali	0	0	-1.7E2	0	0	0
1565	12434	Permanenti portati	0	0	-55.8	0	0	0	1566	12434	Variabile H	0	0	-31	0	0	0
1567	12434	Neve	0	0	-34.7	0	0	0	1568	12442	Pesi strutturali	0	0	-1.6E2	0	0	0
1569	12442	Permanenti portati	0	0	-52.7	0	0	0	1570	12442	Variabile H	0	0	-29.3	0	0	0
1571	12442	Neve	0	0	-32.8	0	0	0	1572	12443	Pesi strutturali	0	0	-1.4E2	0	0	0
1573	12443	Permanenti portati	0	0	-46.6	0	0	0	1574	12443	Variabile H	0	0	-25.9	0	0	0
1575	12443	Neve	0	0	-29	0	0	0	1576	12444	Pesi strutturali	0	0	-1.2E2	0	0	0
1577	12444	Permanenti portati	0	0	-40.4	0	0	0	1578	12444	Variabile H	0	0	-22.5	0	0	0
1579	12444	Neve	0	0	-25.2	0	0	0	1580	12445	Pesi strutturali	0	0	-1.0E2	0	0	0
1581	12445	Permanenti portati	0	0	-34.3	0	0	0	1582	12445	Variabile H	0	0	-19.1	0	0	0
1583	12445	Neve	0	0	-21.3	0	0	0	1584	12446	Pesi strutturali	0	0	-83.6	0	0	0
1585	12446	Permanenti portati	0	0	-28.2	0	0	0	1586	12446	Variabile H	0	0	-15.6	0	0	0
1587	12446	Neve	0	0	-17.5	0	0	0	1588	12447	Pesi strutturali	0	0	-65.4	0	0	0
1589	12447	Permanenti portati	0	0	-22	0	0	0	1590	12447	Variabile H	0	0	-12.2	0	0	0
1591	12447	Neve	0	0	-13.7	0	0	0	1592	12448	Pesi strutturali	0	0	-44.6	0	0	0
1593	12448	Permanenti portati	0	0	-15	0	0	0	1594	12448	Variabile H	0	0	-8.4	0	0	0
1595	12448	Neve	0	0	-9.4	0	0	0	1596	12453	Pesi strutturali	0	0	-73.6	0	0	0
1597	12453	Permanenti portati	0	0	-24.8	0	0	0	1598	12453	Variabile H	0	0	-13.8	0	0	0
1599	12453	Neve	0	0	-15.4	0	0	0	1600	12458	Pesi strutturali	0	0	-122	0	0	0
1601	12458	Permanenti portati	0	0	-41.1	0	0	0	1602	12458	Variabile H	0	0	-22.9	0	0	0
1603	12458	Neve	0	0	-25.6	0	0	0	1604	12459	Pesi strutturali	0	0	-1.1E2	0	0	0
1605	12459	Permanenti portati	0	0	-36.7	0	0	0	1606	12459	Variabile H	0	0	-20.4	0	0	0
1607	12459	Neve	0	0	-22.8	0	0	0	1608	12460	Pesi strutturali	0	0	-95.7	0	0	0
1609	12460	Permanenti portati	0	0	-32.2	0	0	0	1610	12460	Variabile H	0	0	-17.9	0	0	0
1611	12460	Neve	0	0	-20.1	0	0	0	1612	12461	Pesi strutturali	0	0	-82.5	0	0	0
1613	12461	Permanenti portati	0	0	-27.8	0	0	0	1614	12461	Variabile H	0	0	-15.4	0	0	0
1615	12461	Neve	0	0	-17.3	0	0	0	1616	12462	Pesi strutturali	0	0	-69.3	0	0	0
1617	12462	Permanenti portati	0	0	-23.4	0	0	0	1618	12462	Variabile H	0	0	-13	0	0	0
1619	12462	Neve	0	0	-14.5	0	0	0	1620	12463	Pesi strutturali	0	0	-56.1	0	0	0
1621	12463	Permanenti portati	0	0	-18.9	0	0	0	1622	12463	Variabile H	0	0	-10.5	0	0	0
1623	12463	Neve	0	0	-11.8	0	0	0	1624	12464	Pesi strutturali	0	0	-37.9	0	0	0
1625	12464	Permanenti portati	0	0	-12.8	0	0	0	1626	12464	Variabile H	0	0	-7.1	0	0	0
1627	12464	Neve	0	0	-8	0	0	0	1628	12468	Pesi strutturali	0	0	-58.1	0	0	0

Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz	Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz
1629	12468	Permanenti portati	0	0	-19.6	0	0	0	1630	12468	Variabile H	0	0	-10.9	0	0	0
1631	12468	Neve	0	0	-12.2	0	0	0	1632	12474	Pesi strutturali	0	0	-1.2E2	0	0	0
1633	12474	Permanenti portati	0	0	-41.5	0	0	0	1634	12474	Variabile H	0	0	-23.1	0	0	0
1635	12474	Neve	0	0	-25.8	0	0	0	1636	12475	Pesi strutturali	0	0	-109	0	0	0
1637	12475	Permanenti portati	0	0	-36.8	0	0	0	1638	12475	Variabile H	0	0	-20.4	0	0	0
1639	12475	Neve	0	0	-22.9	0	0	0	1640	12476	Pesi strutturali	0	0	-94.9	0	0	0
1641	12476	Permanenti portati	0	0	-32	0	0	0	1642	12476	Variabile H	0	0	-17.8	0	0	0
1643	12476	Neve	0	0	-19.9	0	0	0	1644	12477	Pesi strutturali	0	0	-80.7	0	0	0
1645	12477	Permanenti portati	0	0	-27.2	0	0	0	1646	12477	Variabile H	0	0	-15.1	0	0	0
1647	12477	Neve	0	0	-16.9	0	0	0	1648	12478	Pesi strutturali	0	0	-66.6	0	0	0
1649	12478	Permanenti portati	0	0	-22.4	0	0	0	1650	12478	Variabile H	0	0	-12.5	0	0	0
1651	12478	Neve	0	0	-14	0	0	0	1652	12479	Pesi strutturali	0	0	-52.4	0	0	0
1653	12479	Permanenti portati	0	0	-17.7	0	0	0	1654	12479	Variabile H	0	0	-9.8	0	0	0
1655	12479	Neve	0	0	-11	0	0	0	1656	12480	Pesi strutturali	0	0	-31.8	0	0	0
1657	12480	Permanenti portati	0	0	-10.7	0	0	0	1658	12480	Variabile H	0	0	-6	0	0	0
1659	12480	Neve	0	0	-6.7	0	0	0	1660	12486	Pesi strutturali	0	0	-88	0	0	0
1661	12486	Permanenti portati	0	0	-29.7	0	0	0	1662	12486	Variabile H	0	0	-16.5	0	0	0
1663	12486	Neve	0	0	-18.5	0	0	0	1664	12490	Pesi strutturali	0	0	-1.3E2	0	0	0
1665	12490	Permanenti portati	0	0	-44.5	0	0	0	1666	12490	Variabile H	0	0	-24.7	0	0	0
1667	12490	Neve	0	0	-27.7	0	0	0	1668	12491	Pesi strutturali	0	0	-117	0	0	0
1669	12491	Permanenti portati	0	0	-39.4	0	0	0	1670	12491	Variabile H	0	0	-21.9	0	0	0
1671	12491	Neve	0	0	-24.5	0	0	0	1672	12492	Pesi strutturali	0	0	-1.0E2	0	0	0
1673	12492	Permanenti portati	0	0	-34.3	0	0	0	1674	12492	Variabile H	0	0	-19.1	0	0	0
1675	12492	Neve	0	0	-21.4	0	0	0	1676	12493	Pesi strutturali	0	0	-86.8	0	0	0
1677	12493	Permanenti portati	0	0	-29.2	0	0	0	1678	12493	Variabile H	0	0	-16.2	0	0	0
1679	12493	Neve	0	0	-18.2	0	0	0	1680	12494	Pesi strutturali	0	0	-71.7	0	0	0
1681	12494	Permanenti portati	0	0	-24.2	0	0	0	1682	12494	Variabile H	0	0	-13.4	0	0	0
1683	12494	Neve	0	0	-15	0	0	0	1684	12495	Pesi strutturali	0	0	-56.5	0	0	0
1685	12495	Permanenti portati	0	0	-19.1	0	0	0	1686	12495	Variabile H	0	0	-10.6	0	0	0
1687	12495	Neve	0	0	-11.9	0	0	0	1688	12496	Pesi strutturali	0	0	-37.4	0	0	0
1689	12496	Permanenti portati	0	0	-12.6	0	0	0	1690	12496	Variabile H	0	0	-7	0	0	0
1691	12496	Neve	0	0	-7.9	0	0	0	1692	12500	Pesi strutturali	0	0	-46.2	0	0	0
1693	12500	Permanenti portati	0	0	-15.6	0	0	0	1694	12500	Variabile H	0	0	-8.7	0	0	0
1695	12500	Neve	0	0	-9.7	0	0	0	1696	12506	Pesi strutturali	0	0	-1.2E2	0	0	0
1697	12506	Permanenti portati	0	0	-42.1	0	0	0	1698	12506	Variabile H	0	0	-23.4	0	0	0
1699	12506	Neve	0	0	-26.2	0	0	0	1700	12507	Pesi strutturali	0	0	-1.1E2	0	0	0
1701	12507	Permanenti portati	0	0	-37	0	0	0	1702	12507	Variabile H	0	0	-20.5	0	0	0
1703	12507	Neve	0	0	-23	0	0	0	1704	12508	Pesi strutturali	0	0	-95	0	0	0
1705	12508	Permanenti portati	0	0	-32	0	0	0	1706	12508	Variabile H	0	0	-17.8	0	0	0
1707	12508	Neve	0	0	-19.9	0	0	0	1708	12509	Pesi strutturali	0	0	-80.2	0	0	0
1709	12509	Permanenti portati	0	0	-27	0	0	0	1710	12509	Variabile H	0	0	-15	0	0	0
1711	12509	Neve	0	0	-16.8	0	0	0	1712	12510	Pesi strutturali	0	0	-65.5	0	0	0
1713	12510	Permanenti portati	0	0	-22.1	0	0	0	1714	12510	Variabile H	0	0	-12.3	0	0	0
1715	12510	Neve	0	0	-13.7	0	0	0	1716	12511	Pesi strutturali	0	0	-50.7	0	0	0
1717	12511	Permanenti portati	0	0	-17.1	0	0	0	1718	12511	Variabile H	0	0	-9.5	0	0	0
1719	12511	Neve	0	0	-10.6	0	0	0	1720	12512	Pesi strutturali	0	0	-31	0	0	0
1721	12512	Permanenti portati	0	0	-10.4	0	0	0	1722	12512	Variabile H	0	0	-5.8	0	0	0
1723	12512	Neve	0	0	-6.5	0	0	0	1724	12516	Pesi strutturali	0	0	-65.6	0	0	0
1725	12516	Permanenti portati	0	0	-22.1	0	0	0	1726	12516	Variabile H	0	0	-12.3	0	0	0
1727	12516	Neve	0	0	-13.7	0	0	0	1728	12522	Pesi strutturali	0	0	-1.4E2	0	0	0
1729	12522	Permanenti portati	0	0	-46.9	0	0	0	1730	12522	Variabile H	0	0	-26.1	0	0	0
1731	12522	Neve	0	0	-29.2	0	0	0	1732	12523	Pesi strutturali	0	0	-1.2E2	0	0	0

Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz	Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz
1733	12523	Permanenti portati	0	0	-40.6	0	0	0	1734	12523	Variabile H	0	0	-22.6	0	0	0
1735	12523	Neve	0	0	-25.3	0	0	0	1736	12524	Pesi strutturali	0	0	-1.0E2	0	0	0
1737	12524	Permanenti portati	0	0	-34.7	0	0	0	1738	12524	Variabile H	0	0	-19.3	0	0	0
1739	12524	Neve	0	0	-21.6	0	0	0	1740	12525	Pesi strutturali	0	0	-86.2	0	0	0
1741	12525	Permanenti portati	0	0	-29	0	0	0	1742	12525	Variabile H	0	0	-16.1	0	0	0
1743	12525	Neve	0	0	-18.1	0	0	0	1744	12526	Pesi strutturali	0	0	-69.3	0	0	0
1745	12526	Permanenti portati	0	0	-23.4	0	0	0	1746	12526	Variabile H	0	0	-13	0	0	0
1747	12526	Neve	0	0	-14.5	0	0	0	1748	12527	Pesi strutturali	0	0	-52.4	0	0	0
1749	12527	Permanenti portati	0	0	-17.7	0	0	0	1750	12527	Variabile H	0	0	-9.8	0	0	0
1751	12527	Neve	0	0	-11	0	0	0	1752	12528	Pesi strutturali	0	0	-30.7	0	0	0
1753	12528	Permanenti portati	0	0	-10.3	0	0	0	1754	12528	Variabile H	0	0	-5.7	0	0	0
1755	12528	Neve	0	0	-6.4	0	0	0	1756	12533	Pesi strutturali	0	0	-79.8	0	0	0
1757	12533	Permanenti portati	0	0	-26.9	0	0	0	1758	12533	Variabile H	0	0	-14.9	0	0	0
1759	12533	Neve	0	0	-16.7	0	0	0	1760	12541	Pesi strutturali	0	0	-1.6E2	0	0	0
1761	12541	Permanenti portati	0	0	-54.1	0	0	0	1762	12541	Variabile H	0	0	-30	0	0	0
1763	12541	Neve	0	0	-33.6	0	0	0	1764	12542	Pesi strutturali	0	0	-1.4E2	0	0	0
1765	12542	Permanenti portati	0	0	-47.1	0	0	0	1766	12542	Variabile H	0	0	-26.2	0	0	0
1767	12542	Neve	0	0	-29.3	0	0	0	1768	12543	Pesi strutturali	0	0	-1.2E2	0	0	0
1769	12543	Permanenti portati	0	0	-40.1	0	0	0	1770	12543	Variabile H	0	0	-22.3	0	0	0
1771	12543	Neve	0	0	-24.9	0	0	0	1772	12545	Pesi strutturali	0	0	-98.1	0	0	0
1773	12545	Permanenti portati	0	0	-33.1	0	0	0	1774	12545	Variabile H	0	0	-18.4	0	0	0
1775	12545	Neve	0	0	-20.6	0	0	0	1776	12546	Pesi strutturali	0	0	-77.3	0	0	0
1777	12546	Permanenti portati	0	0	-26.1	0	0	0	1778	12546	Variabile H	0	0	-14.5	0	0	0
1779	12546	Neve	0	0	-16.2	0	0	0	1780	12547	Pesi strutturali	0	0	-56.5	0	0	0
1781	12547	Permanenti portati	0	0	-19.1	0	0	0	1782	12547	Variabile H	0	0	-10.6	0	0	0
1783	12547	Neve	0	0	-11.9	0	0	0	1784	12548	Pesi strutturali	0	0	-31.1	0	0	0
1785	12548	Permanenti portati	0	0	-10.5	0	0	0	1786	12548	Variabile H	0	0	-5.8	0	0	0
1787	12548	Neve	0	0	-6.5	0	0	0	1788	12550	Pesi strutturali	0	0	-5.1	0	0	0
1789	12550	Permanenti portati	0	0	-1.7	0	0	0	1790	12550	Variabile H	0	0	-1	0	0	0
1791	12550	Neve	0	0	-1.1	0	0	0	1792	12627	Permanenti portati	0	0	-23.2	0	0	0
1793	12627	Variabile H	0	0	-12.9	0	0	0	1794	12626	Permanenti portati	0	0	-46.4	0	0	0
1795	12626	Variabile H	0	0	-25.8	0	0	0	1796	12625	Permanenti portati	0	0	-46.4	0	0	0
1797	12625	Variabile H	0	0	-25.8	0	0	0	1798	12624	Permanenti portati	0	0	-46.4	0	0	0
1799	12624	Variabile H	0	0	-25.8	0	0	0	1800	12623	Permanenti portati	0	0	-46.4	0	0	0
1801	12623	Variabile H	0	0	-25.8	0	0	0	1802	12622	Permanenti portati	0	0	-46.4	0	0	0
1803	12622	Variabile H	0	0	-25.8	0	0	0	1804	12621	Permanenti portati	0	0	-46.4	0	0	0
1805	12621	Variabile H	0	0	-25.8	0	0	0	1806	12620	Permanenti portati	0	0	-46.4	0	0	0
1807	12620	Variabile H	0	0	-25.8	0	0	0	1808	12619	Permanenti portati	0	0	-46	0	0	0
1809	12619	Variabile H	0	0	-25.6	0	0	0	1810	12617	Permanenti portati	0	0	-45.6	0	0	0
1811	12617	Variabile H	0	0	-25.3	0	0	0	1812	12616	Permanenti portati	0	0	-45.6	0	0	0
1813	12616	Variabile H	0	0	-25.3	0	0	0	1814	12615	Permanenti portati	0	0	-45.6	0	0	0
1815	12615	Variabile H	0	0	-25.3	0	0	0	1816	12614	Permanenti portati	0	0	-45.6	0	0	0
1817	12614	Variabile H	0	0	-25.3	0	0	0	1818	12613	Permanenti portati	0	0	-45.6	0	0	0
1819	12613	Variabile H	0	0	-25.3	0	0	0	1820	12612	Permanenti portati	0	0	-45.6	0	0	0
1821	12612	Variabile H	0	0	-25.3	0	0	0	1822	12611	Permanenti portati	0	0	-46.4	0	0	0
1823	12611	Variabile H	0	0	-25.8	0	0	0	1824	12609	Permanenti portati	0	0	-47.3	0	0	0
1825	12609	Variabile H	0	0	-26.3	0	0	0	1826	12608	Permanenti portati	0	0	-47.3	0	0	0
1827	12608	Variabile H	0	0	-26.3	0	0	0	1828	12607	Permanenti portati	0	0	-47.3	0	0	0
1829	12607	Variabile H	0	0	-26.3	0	0	0	1830	12606	Permanenti portati	0	0	-47.3	0	0	0
1831	12606	Variabile H	0	0	-26.3	0	0	0	1832	12605	Permanenti portati	0	0	-47.3	0	0	0
1833	12605	Variabile H	0	0	-26.3	0	0	0	1834	12604	Permanenti portati	0	0	-47.3	0	0	0
1835	12604	Variabile H	0	0	-26.3	0	0	0	1836	12603	Permanenti portati	0	0	-47.3	0	0	0

Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz	Indice	Nodo	Condizione	Fx	Fy	Fz	Mx	My	Mz
1837	12603	Variabile H	0	0	-26.3	0	0	0	1838	12602	Permanenti portati	0	0	-47.5	0	0	0
1839	12602	Variabile H	0	0	-26.4	0	0	0	1840	12600	Permanenti portati	0	0	-47.7	0	0	0
1841	12600	Variabile H	0	0	-26.5	0	0	0	1842	12599	Permanenti portati	0	0	-47.7	0	0	0
1843	12599	Variabile H	0	0	-26.5	0	0	0	1844	12598	Permanenti portati	0	0	-47.7	0	0	0
1845	12598	Variabile H	0	0	-26.5	0	0	0	1846	12597	Permanenti portati	0	0	-47.7	0	0	0
1847	12597	Variabile H	0	0	-26.5	0	0	0	1848	12596	Permanenti portati	0	0	-47.7	0	0	0
1849	12596	Variabile H	0	0	-26.5	0	0	0	1850	12595	Permanenti portati	0	0	-47.7	0	0	0
1851	12595	Variabile H	0	0	-26.5	0	0	0	1852	12594	Permanenti portati	0	0	-47.7	0	0	0
1853	12594	Variabile H	0	0	-26.5	0	0	0	1854	12593	Permanenti portati	0	0	-47.8	0	0	0
1855	12593	Variabile H	0	0	-26.6	0	0	0	1856	12591	Permanenti portati	0	0	-47.9	0	0	0
1857	12591	Variabile H	0	0	-26.6	0	0	0	1858	12590	Permanenti portati	0	0	-47.9	0	0	0
1859	12590	Variabile H	0	0	-26.6	0	0	0	1860	12589	Permanenti portati	0	0	-47.9	0	0	0
1861	12589	Variabile H	0	0	-26.6	0	0	0	1862	12588	Permanenti portati	0	0	-47.9	0	0	0
1863	12588	Variabile H	0	0	-26.6	0	0	0	1864	12587	Permanenti portati	0	0	-47.9	0	0	0
1865	12587	Variabile H	0	0	-26.6	0	0	0	1866	12586	Permanenti portati	0	0	-47.9	0	0	0
1867	12586	Variabile H	0	0	-26.6	0	0	0	1868	12585	Permanenti portati	0	0	-47.8	0	0	0
1869	12585	Variabile H	0	0	-26.6	0	0	0	1870	12583	Permanenti portati	0	0	-47.7	0	0	0
1871	12583	Variabile H	0	0	-26.5	0	0	0	1872	12582	Permanenti portati	0	0	-47.7	0	0	0
1873	12582	Variabile H	0	0	-26.5	0	0	0	1874	12581	Permanenti portati	0	0	-47.7	0	0	0
1875	12581	Variabile H	0	0	-26.5	0	0	0	1876	12580	Permanenti portati	0	0	-47.6	0	0	0
1877	12580	Variabile H	0	0	-26.5	0	0	0	1878	12579	Permanenti portati	0	0	-47.6	0	0	0
1879	12579	Variabile H	0	0	-26.4	0	0	0	1880	12578	Permanenti portati	0	0	-47.5	0	0	0
1881	12578	Variabile H	0	0	-26.4	0	0	0	1882	12577	Permanenti portati	0	0	-47.5	0	0	0
1883	12577	Variabile H	0	0	-26.4	0	0	0	1884	12576	Permanenti portati	0	0	-45.9	0	0	0
1885	12576	Variabile H	0	0	-25.5	0	0	0	1886	12574	Permanenti portati	0	0	-44.4	0	0	0
1887	12574	Variabile H	0	0	-24.6	0	0	0	1888	12573	Permanenti portati	0	0	-44.3	0	0	0
1889	12573	Variabile H	0	0	-24.6	0	0	0	1890	12572	Permanenti portati	0	0	-44.3	0	0	0
1891	12572	Variabile H	0	0	-24.6	0	0	0	1892	12571	Permanenti portati	0	0	-44.3	0	0	0
1893	12571	Variabile H	0	0	-24.6	0	0	0	1894	12570	Permanenti portati	0	0	-44.3	0	0	0
1895	12570	Variabile H	0	0	-24.6	0	0	0	1896	12569	Permanenti portati	0	0	-44.3	0	0	0
1897	12569	Variabile H	0	0	-24.6	0	0	0	1898	12568	Permanenti portati	0	0	-44.3	0	0	0
1899	12568	Variabile H	0	0	-24.6	0	0	0	1900	12567	Permanenti portati	0	0	-46	0	0	0
1901	12567	Variabile H	0	0	-25.5	0	0	0	1902	12565	Permanenti portati	0	0	-47.6	0	0	0
1903	12565	Variabile H	0	0	-26.4	0	0	0	1904	12564	Permanenti portati	0	0	-47.6	0	0	0
1905	12564	Variabile H	0	0	-26.4	0	0	0	1906	12563	Permanenti portati	0	0	-47.6	0	0	0
1907	12563	Variabile H	0	0	-26.4	0	0	0	1908	12562	Permanenti portati	0	0	-47.6	0	0	0
1909	12562	Variabile H	0	0	-26.4	0	0	0	1910	12561	Permanenti portati	0	0	-47.6	0	0	0
1911	12561	Variabile H	0	0	-26.4	0	0	0	1912	12560	Permanenti portati	0	0	-47.6	0	0	0
1913	12560	Variabile H	0	0	-26.4	0	0	0	1914	12559	Permanenti portati	0	0	-45.7	0	0	0
1915	12559	Variabile H	0	0	-25.4	0	0	0	1916	12557	Permanenti portati	0	0	-43.9	0	0	0
1917	12557	Variabile H	0	0	-24.4	0	0	0	1918	12556	Permanenti portati	0	0	-43.9	0	0	0
1919	12556	Variabile H	0	0	-24.4	0	0	0	1920	12555	Permanenti portati	0	0	-43.9	0	0	0
1921	12555	Variabile H	0	0	-24.4	0	0	0	1922	12554	Permanenti portati	0	0	-43.9	0	0	0
1923	12554	Variabile H	0	0	-24.4	0	0	0	1924	12553	Permanenti portati	0	0	-43.9	0	0	0
1925	12553	Variabile H	0	0	-24.4	0	0	0	1926	12552	Permanenti portati	0	0	-43.9	0	0	0
1927	12552	Variabile H	0	0	-24.4	0	0	0	1928	12551	Permanenti portati	0	0	-43.9	0	0	0
1929	12551	Variabile H	0	0	-24.4	0	0	0	1930	12550	Permanenti portati	0	0	-22	0	0	0
1931	12550	Variabile H	0	0	-12.2	0	0	0	1932	12396	Rig. Ux	1	0	0	0	0	0
1933	12396	Rig. Uy	0	1	0	0	0	0	1934	12396	Rig. Rz	0	0	0	0	0	1

Carichi concentrati sismici

***Indice**: numero dell'elemento nell'insieme che lo contiene.*

***Nodo**: nodo su cui agisce il carico.*
***Condizione**: condizione elementare mappata nella quale agisce il carico.*
***Fx**: componente della forza lungo l'asse X. [daN]*
***Fy**: componente della forza lungo l'asse Y. [daN]*
***Fz**: componente della forza lungo l'asse Z. [daN]*
***Mz**: componente del momento attorno all'asse Z. [daN*cm]*
***Peso**: peso sismico. [daN]*
***γ**: coefficiente γ. Il valore è adimensionale.*

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
1935	7486	Sisma X SLV	0.5	0	0	0	4.1E1	0.031
1937	7486	Sisma X SLO	0.3	0	0	0	4.1E1	0.031
1939	7486	Sisma X SLD	0.2	0	0	0	4.1E1	0.031
1941	7487	Sisma X SLV	0.5	0	0	0	4.0E1	0.033
1943	7487	Sisma X SLO	0.3	0	0	0	4.0E1	0.033
1945	7487	Sisma X SLD	0.2	0	0	0	4.0E1	0.033
1947	7488	Sisma X SLV	0.8	0	0	0	57.58	0.034
1949	7488	Sisma X SLO	0.4	0	0	0	57.58	0.034
1951	7488	Sisma X SLD	0.3	0	0	0	57.58	0.034
1953	7489	Sisma X SLV	0.7	0	0	0	4.8E1	0.038
1955	7489	Sisma X SLO	0.4	0	0	0	4.8E1	0.038
1957	7489	Sisma X SLD	0.3	0	0	0	4.8E1	0.038
1959	7490	Sisma X SLV	0.8	0	0	0	4.9E1	0.039
1961	7490	Sisma X SLO	0.4	0	0	0	4.9E1	0.039
1963	7490	Sisma X SLD	0.3	0	0	0	4.9E1	0.039
1965	7491	Sisma X SLV	1	0	0	0	5.8E1	0.043
1967	7491	Sisma X SLO	0.5	0	0	0	5.8E1	0.043
1969	7491	Sisma X SLD	0.4	0	0	0	5.8E1	0.043
1971	7492	Sisma X SLV	1.5	0	0	0	83.89	0.045
1973	7492	Sisma X SLO	0.8	0	0	0	83.89	0.045
1975	7492	Sisma X SLD	0.7	0	0	0	83.89	0.045
1977	7493	Sisma X SLV	1.2	0	0	0	5.3E1	0.057
1979	7493	Sisma X SLO	0.6	0	0	0	5.3E1	0.057
1981	7493	Sisma X SLD	0.5	0	0	0	5.3E1	0.057
1983	7494	Sisma X SLV	1.2	0	0	0	5.3E1	0.057
1985	7494	Sisma X SLO	0.6	0	0	0	5.3E1	0.057
1987	7494	Sisma X SLD	0.5	0	0	0	5.3E1	0.057
1989	7495	Sisma X SLV	1.8	0	0	0	7.9E1	0.057
1991	7495	Sisma X SLO	0.9	0	0	0	7.9E1	0.057
1993	7495	Sisma X SLD	0.8	0	0	0	7.9E1	0.057
1995	7496	Sisma X SLV	4.4	0	0	0	2.0E2	0.057
1997	7496	Sisma X SLO	2.4	0	0	0	2.0E2	0.057
1999	7496	Sisma X SLD	2	0	0	0	2.0E2	0.057
2001	7497	Sisma X SLV	1.6	0	0	0	7.0E1	0.058
2003	7497	Sisma X SLO	0.9	0	0	0	7.0E1	0.058
2005	7497	Sisma X SLD	0.7	0	0	0	7.0E1	0.058
2007	7498	Sisma X SLV	2.3	0	0	0	9.9E1	0.058
2009	7498	Sisma X SLO	1.2	0	0	0	9.9E1	0.058
2011	7498	Sisma X SLD	1	0	0	0	9.9E1	0.058
2013	7499	Sisma X SLV	3.3	0	0	0	1.4E2	0.058
2015	7499	Sisma X SLO	1.7	0	0	0	1.4E2	0.058
2017	7499	Sisma X SLD	1.5	0	0	0	1.4E2	0.058
2019	7500	Sisma X SLV	3.3	0	0	0	1.4E2	0.058
2021	7500	Sisma X SLO	1.8	0	0	0	1.4E2	0.058
2023	7500	Sisma X SLD	1.5	0	0	0	1.4E2	0.058
2025	7501	Sisma X SLV	3.3	0	0	0	1.4E2	0.058
2027	7501	Sisma X SLO	1.7	0	0	0	1.4E2	0.058
2029	7501	Sisma X SLD	1.4	0	0	0	1.4E2	0.058
2031	7502	Sisma X SLV	3.6	0	0	0	1.5E2	0.059
2033	7502	Sisma X SLO	1.9	0	0	0	1.5E2	0.059
2035	7502	Sisma X SLD	1.6	0	0	0	1.5E2	0.059
2037	7503	Sisma X SLV	3.5	0	0	0	1.5E2	0.059
2039	7503	Sisma X SLO	1.9	0	0	0	1.5E2	0.059
2041	7503	Sisma X SLD	1.6	0	0	0	1.5E2	0.059
2043	7504	Sisma X SLV	4.6	0	0	0	1.9E2	0.059
2045	7504	Sisma X SLO	2.4	0	0	0	1.9E2	0.059
2047	7504	Sisma X SLD	2	0	0	0	1.9E2	0.059
2049	7505	Sisma X SLV	2.7	0	0	0	1.1E2	0.059
2051	7505	Sisma X SLO	1.4	0	0	0	1.1E2	0.059
2053	7505	Sisma X SLD	1.2	0	0	0	1.1E2	0.059
2055	7506	Sisma X SLV	1.9	0	0	0	7.9E1	0.059
2057	7506	Sisma X SLO	1	0	0	0	7.9E1	0.059
2059	7506	Sisma X SLD	0.8	0	0	0	7.9E1	0.059
2061	7507	Sisma X SLV	4	0	0	0	1.7E2	0.059
2063	7507	Sisma X SLO	2.2	0	0	0	1.7E2	0.059
2065	7507	Sisma X SLD	1.8	0	0	0	1.7E2	0.059
2067	7508	Sisma X SLV	2.5	0	0	0	1.0E2	0.059
2069	7508	Sisma X SLO	1.3	0	0	0	1.0E2	0.059
2071	7508	Sisma X SLD	1.1	0	0	0	1.0E2	0.059
2073	7509	Sisma X SLV	1.2	0	0	0	5.2E1	0.059
2075	7509	Sisma X SLO	0.7	0	0	0	5.2E1	0.059
2077	7509	Sisma X SLD	0.6	0	0	0	5.2E1	0.059
2079	7510	Sisma X SLV	1.8	0	0	0	75.2	0.059
2081	7510	Sisma X SLO	1	0	0	0	75.2	0.059
2083	7510	Sisma X SLD	0.8	0	0	0	75.2	0.059
2085	7511	Sisma X SLV	1.8	0	0	0	7.6E1	0.059
2087	7511	Sisma X SLO	1	0	0	0	7.6E1	0.059
2089	7511	Sisma X SLD	0.8	0	0	0	7.6E1	0.059
2091	7512	Sisma X SLV	1.9	0	0	0	8.0E1	0.059
2093	7512	Sisma X SLO	1	0	0	0	8.0E1	0.059
2095	7512	Sisma X SLD	0.8	0	0	0	8.0E1	0.059
2097	7513	Sisma X SLV	2	0	0	0	8.5E1	0.059
2099	7513	Sisma X SLO	1.1	0	0	0	8.5E1	0.059
2101	7513	Sisma X SLD	0.9	0	0	0	8.5E1	0.059
2103	7514	Sisma X SLV	1.5	0	0	0	6.4E1	0.059
2105	7514	Sisma X SLO	0.8	0	0	0	6.4E1	0.059
2107	7514	Sisma X SLD	0.7	0	0	0	6.4E1	0.059
2109	7515	Sisma X SLV	1.8	0	0	0	7.7E1	0.059
2111	7515	Sisma X SLO	1	0	0	0	7.7E1	0.059

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
1936	7486	Sisma Y SLV	0	0.5	0	0	4.1E1	0.031
1938	7486	Sisma Y SLO	0	0.3	0	0	4.1E1	0.031
1940	7486	Sisma Y SLD	0	0.2	0	0	4.1E1	0.031
1942	7487	Sisma Y SLV	0	0.5	0	0	4.0E1	0.033
1944	7487	Sisma Y SLO	0	0.3	0	0	4.0E1	0.033
1946	7487	Sisma Y SLD	0	0.2	0	0	4.0E1	0.033
1948	7488	Sisma Y SLV	0	0.8	0	0	57.58	0.034
1950	7488	Sisma Y SLO	0	0.4	0	0	57.58	0.034
1952	7488	Sisma Y SLD	0	0.3	0	0	57.58	0.034
1954	7489	Sisma Y SLV	0	0.7	0	0	4.8E1	0.038
1956	7489	Sisma Y SLO	0	0.4	0	0	4.8E1	0.038
1958	7489	Sisma Y SLD	0	0.3	0	0	4.8E1	0.038
1960	7490	Sisma Y SLV	0	0.8	0	0	4.9E1	0.039
1962	7490	Sisma Y SLO	0	0.4	0	0	4.9E1	0.039
1964	7490	Sisma Y SLD	0	0.3	0	0	4.9E1	0.039
1966	7491	Sisma Y SLV	0	1	0	0	5.8E1	0.043
1968	7491	Sisma Y SLO	0	0.5	0	0	5.8E1	0.043
1970	7491	Sisma Y SLD	0	0.4	0	0	5.8E1	0.043
1972	7492	Sisma Y SLV	0	1.5	0	0	83.89	0.045
1974	7492	Sisma Y SLO	0	0.8	0	0	83.89	0.045
1976	7492	Sisma Y SLD	0	0.7	0	0	83.89	0.045
1978	7493	Sisma Y SLV	0	1.2	0	0	5.3E1	0.057
1980	7493	Sisma Y SLO	0	0.6	0	0	5.3E1	0.057
1982	7493	Sisma Y SLD	0	0.5	0	0	5.3E1	0.057
1984	7494	Sisma Y SLV	0	1.2	0	0	5.3E1	0.057
1986	7494	Sisma Y SLO	0	0.6	0	0	5.3E1	0.057
1988	7494	Sisma Y SLD	0	0.5	0	0	5.3E1	0.057
1990	7495	Sisma Y SLV	0	1.8	0	0	7.9E1	0.057
1992	7495	Sisma Y SLO	0	0.9	0	0	7.9E1	0.057
1994	7495	Sisma Y SLD	0	0.8	0	0	7.9E1	0.057
1996	7496	Sisma Y SLV	0	4.4	0	0	2.0E2	0.057
1998	7496	Sisma Y SLO	0	2.4	0	0	2.0E2	0.057
2000	7496	Sisma Y SLD	0	2	0	0	2.0E2	0.057
2002	7497	Sisma Y SLV	0	1.6	0	0	7.0E1	0.058
2004	7497	Sisma Y SLO	0	0.9	0	0	7.0E1	0.058
2006	7497	Sisma Y SLD	0	0.7	0	0	7.0E1	0.058
2008	7498	Sisma Y SLV	0	2.3	0	0	9.9E1	0.058
2010	7498	Sisma Y SLO	0	1.2	0	0	9.9E1	0.058
2012	7498	Sisma Y SLD	0	1	0	0	9.9E1	0.058
2014	7499	Sisma Y SLV	0	3.3	0	0	1.4E2	0.058
2016	7499	Sisma Y SLO	0	1.7	0	0	1.4E2	0.058
2018	7499	Sisma Y SLD	0	1.5	0	0	1.4E2	0.058
2020	7500	Sisma Y SLV	0	3.3	0	0	1.4E2	0.058
2022	7500	Sisma Y SLO	0	1.8	0	0	1.4E2	0.058
2024	7500	Sisma Y SLD	0	1.5	0	0	1.4E2	0.058
2026	7501	Sisma Y SLV	0	3.3	0	0	1.4E2	0.058
2028	7501	Sisma Y SLO	0	1.7	0	0	1.4E2	0.058
2030	7501	Sisma Y SLD	0	1.4	0	0	1.4E2	0.058
2032	7502	Sisma Y SLV	0	3.6	0	0	1.5E2	0.059
2034	7502	Sisma Y SLO	0	1.9	0	0	1.5E2	0.059
2036	7502	Sisma Y SLD	0	1.6	0	0	1.5E2	0.059
2038	7503	Sisma Y SLV	0	3.5	0	0	1.5E2	0.059
2040	7503	Sisma Y SLO	0	1.9	0	0	1.5E2	0.059
2042	7503	Sisma Y SLD	0	1.6	0	0	1.5E2	0.059
2044	7504	Sisma Y SLV	0	4.6	0	0	1.9E2	0.059
2046	7504	Sisma Y SLO	0	2.4	0	0	1.9E2	0.059
2048	7504	Sisma Y SLD	0	2	0	0	1.9E2	0.059
2050	7505	Sisma Y SLV	0	2.7	0	0	1.1E2	0.059
2052	7505	Sisma Y SLO	0	1.4	0	0	1.1E2	0.059
2054	7505	Sisma Y SLD	0	1.2	0	0	1.1E2	0.059
2056	7506	Sisma Y SLV	0	1.9	0	0	7.9E1	0.059
2058	7506	Sisma Y SLO	0	1	0	0	7.9E1	0.059
2060	7506	Sisma Y SLD	0	0.8	0	0	7.9E1	0.059
2062	7507	Sisma Y SLV	0	4	0	0	1.7E2	0.059
2064	7507	Sisma Y SLO	0	2.2	0	0	1.7E2	0.059
2066	7507	Sisma Y SLD	0	1.8	0	0	1.7E2	0.059
2068	7508	Sisma Y SLV	0	2.5	0	0	1.0E2	0.059
2070	7508	Sisma Y SLO	0	1.3	0	0	1.0E2	0.059
2072	7508	Sisma Y SLD	0	1.1	0	0	1.0E2	0.059
2074	7509	Sisma Y SLV	0	1.2	0	0	5.2E1	0.059
2076	7509	Sisma Y SLO	0	0.7	0	0	5.2E1	0.059
2078	7509	Sisma Y SLD	0	0.6	0	0	5.2E1	0.059
2080	7510	Sisma Y SLV	0	1.8	0	0	75.2	0.059
2082	7510	Sisma Y SLO	0	1	0	0	75.2	0.059
2084	7510	Sisma Y SLD	0	0.8	0	0	75.2	0.059
2086	7511	Sisma Y SLV	0	1.8	0	0	7.6E1	0.059
2088	7511	Sisma Y SLO	0	1	0	0	7.6E1	0.059
2090	7511	Sisma Y SLD	0	0.8	0	0	7.6E1	0.059
2092	7512	Sisma Y SLV	0	1.9	0	0	8.0E1	0.059
2094	7512	Sisma Y SLO	0	1	0	0	8.0E1	0.059
2096	7512	Sisma Y SLD	0	0.8	0	0	8.0E1	0.059
2098	7513	Sisma Y SLV	0	2	0	0	8.5E1	0.059
2100	7513	Sisma Y SLO	0	1.1	0	0	8.5E1	0.059
2102	7513	Sisma Y SLD	0	0.9	0	0	8.5E1	0.059
2104	7514	Sisma Y SLV	0	1.5	0	0	6.4E1	0.059
2106	7514	Sisma Y SLO	0	0.8	0	0	6.4E1	0.059
2108	7514	Sisma Y SLD	0	0.7	0	0	6.4E1	0.059
2110	7515	Sisma Y SLV	0	1.8	0	0	7.7E1	0.059
2112	7515	Sisma Y SLO	0	1	0	0	7.7E1	0.059

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
2113	7515	Sisma X SLD	0.8	0	0	0	7.7E1	0.059	2114	7515	Sisma Y SLD	0	0.8	0	0	7.7E1	0.059
2115	7516	Sisma X SLV	1.6	0	0	0	6.7E1	0.059	2116	7516	Sisma Y SLV	0	1.6	0	0	6.7E1	0.059
2117	7516	Sisma X SLO	0.8	0	0	0	6.7E1	0.059	2118	7516	Sisma Y SLO	0	0.8	0	0	6.7E1	0.059
2119	7516	Sisma X SLD	0.7	0	0	0	6.7E1	0.059	2120	7516	Sisma Y SLD	0	0.7	0	0	6.7E1	0.059
2121	7517	Sisma X SLV	2	0	0	0	8.4E1	0.059	2122	7517	Sisma Y SLV	0	2	0	0	8.4E1	0.059
2123	7517	Sisma X SLO	1.1	0	0	0	8.4E1	0.059	2124	7517	Sisma Y SLO	0	1.1	0	0	8.4E1	0.059
2125	7517	Sisma X SLD	0.9	0	0	0	8.4E1	0.059	2126	7517	Sisma Y SLD	0	0.9	0	0	8.4E1	0.059
2127	7518	Sisma X SLV	1.6	0	0	0	6.7E1	0.059	2128	7518	Sisma Y SLV	0	1.6	0	0	6.7E1	0.059
2129	7518	Sisma X SLO	0.9	0	0	0	6.7E1	0.059	2130	7518	Sisma Y SLO	0	0.9	0	0	6.7E1	0.059
2131	7518	Sisma X SLD	0.7	0	0	0	6.7E1	0.059	2132	7518	Sisma Y SLD	0	0.7	0	0	6.7E1	0.059
2133	7519	Sisma X SLV	2	0	0	0	8.6E1	0.059	2134	7519	Sisma Y SLV	0	2	0	0	8.6E1	0.059
2135	7519	Sisma X SLO	1.1	0	0	0	8.6E1	0.059	2136	7519	Sisma Y SLO	0	1.1	0	0	8.6E1	0.059
2137	7519	Sisma X SLD	0.9	0	0	0	8.6E1	0.059	2138	7519	Sisma Y SLD	0	0.9	0	0	8.6E1	0.059
2139	7520	Sisma X SLV	1.5	0	0	0	6.5E1	0.059	2140	7520	Sisma Y SLV	0	1.5	0	0	6.5E1	0.059
2141	7520	Sisma X SLO	0.8	0	0	0	6.5E1	0.059	2142	7520	Sisma Y SLO	0	0.8	0	0	6.5E1	0.059
2143	7520	Sisma X SLD	0.7	0	0	0	6.5E1	0.059	2144	7520	Sisma Y SLD	0	0.7	0	0	6.5E1	0.059
2145	7521	Sisma X SLV	1.7	0	0	0	7.0E1	0.059	2146	7521	Sisma Y SLV	0	1.7	0	0	7.0E1	0.059
2147	7521	Sisma X SLO	0.9	0	0	0	7.0E1	0.059	2148	7521	Sisma Y SLO	0	0.9	0	0	7.0E1	0.059
2149	7521	Sisma X SLD	0.7	0	0	0	7.0E1	0.059	2150	7521	Sisma Y SLD	0	0.7	0	0	7.0E1	0.059
2151	7522	Sisma X SLV	1.7	0	0	0	7.3E1	0.059	2152	7522	Sisma Y SLV	0	1.7	0	0	7.3E1	0.059
2153	7522	Sisma X SLO	0.9	0	0	0	7.3E1	0.059	2154	7522	Sisma Y SLO	0	0.9	0	0	7.3E1	0.059
2155	7522	Sisma X SLD	0.8	0	0	0	7.3E1	0.059	2156	7522	Sisma Y SLD	0	0.8	0	0	7.3E1	0.059
2157	7523	Sisma X SLV	1.6	0	0	0	6.8E1	0.059	2158	7523	Sisma Y SLV	0	1.6	0	0	6.8E1	0.059
2159	7523	Sisma X SLO	0.9	0	0	0	6.8E1	0.059	2160	7523	Sisma Y SLO	0	0.9	0	0	6.8E1	0.059
2161	7523	Sisma X SLD	0.7	0	0	0	6.8E1	0.059	2162	7523	Sisma Y SLD	0	0.7	0	0	6.8E1	0.059
2163	7524	Sisma X SLV	2.4	0	0	0	1.0E2	0.059	2164	7524	Sisma Y SLV	0	2.4	0	0	1.0E2	0.059
2165	7524	Sisma X SLO	1.3	0	0	0	1.0E2	0.059	2166	7524	Sisma Y SLO	0	1.3	0	0	1.0E2	0.059
2167	7524	Sisma X SLD	1.1	0	0	0	1.0E2	0.059	2168	7524	Sisma Y SLD	0	1.1	0	0	1.0E2	0.059
2169	7525	Sisma X SLV	1.8	0	0	0	7.4E1	0.059	2170	7525	Sisma Y SLV	0	1.8	0	0	7.4E1	0.059
2171	7525	Sisma X SLO	0.9	0	0	0	7.4E1	0.059	2172	7525	Sisma Y SLO	0	0.9	0	0	7.4E1	0.059
2173	7525	Sisma X SLD	0.8	0	0	0	7.4E1	0.059	2174	7525	Sisma Y SLD	0	0.8	0	0	7.4E1	0.059
2175	7526	Sisma X SLV	1.9	0	0	0	8.1E1	0.059	2176	7526	Sisma Y SLV	0	1.9	0	0	8.1E1	0.059
2177	7526	Sisma X SLO	1	0	0	0	8.1E1	0.059	2178	7526	Sisma Y SLO	0	1	0	0	8.1E1	0.059
2179	7526	Sisma X SLD	0.9	0	0	0	8.1E1	0.059	2180	7526	Sisma Y SLD	0	0.9	0	0	8.1E1	0.059
2181	7527	Sisma X SLV	1.9	0	0	0	80.88	0.059	2182	7527	Sisma Y SLV	0	1.9	0	0	80.88	0.059
2183	7527	Sisma X SLO	1	0	0	0	80.88	0.059	2184	7527	Sisma Y SLO	0	1	0	0	80.88	0.059
2185	7527	Sisma X SLD	0.8	0	0	0	80.88	0.059	2186	7527	Sisma Y SLD	0	0.8	0	0	80.88	0.059
2187	7528	Sisma X SLV	1.7	0	0	0	7.2E1	0.059	2188	7528	Sisma Y SLV	0	1.7	0	0	7.2E1	0.059
2189	7528	Sisma X SLO	0.9	0	0	0	7.2E1	0.059	2190	7528	Sisma Y SLO	0	0.9	0	0	7.2E1	0.059
2191	7528	Sisma X SLD	0.8	0	0	0	7.2E1	0.059	2192	7528	Sisma Y SLD	0	0.8	0	0	7.2E1	0.059
2193	7529	Sisma X SLV	1.8	0	0	0	74.86	0.059	2194	7529	Sisma Y SLV	0	1.8	0	0	74.86	0.059
2195	7529	Sisma X SLO	0.9	0	0	0	74.86	0.059	2196	7529	Sisma Y SLO	0	0.9	0	0	74.86	0.059
2197	7529	Sisma X SLD	0.8	0	0	0	74.86	0.059	2198	7529	Sisma Y SLD	0	0.8	0	0	74.86	0.059
2199	7530	Sisma X SLV	1.7	0	0	0	7.1E1	0.059	2200	7530	Sisma Y SLV	0	1.7	0	0	7.1E1	0.059
2201	7530	Sisma X SLO	0.9	0	0	0	7.1E1	0.059	2202	7530	Sisma Y SLO	0	0.9	0	0	7.1E1	0.059
2203	7530	Sisma X SLD	0.7	0	0	0	7.1E1	0.059	2204	7530	Sisma Y SLD	0	0.7	0	0	7.1E1	0.059
2205	7531	Sisma X SLV	1.6	0	0	0	6.6E1	0.059	2206	7531	Sisma Y SLV	0	1.6	0	0	6.6E1	0.059
2207	7531	Sisma X SLO	0.8	0	0	0	6.6E1	0.059	2208	7531	Sisma Y SLO	0	0.8	0	0	6.6E1	0.059
2209	7531	Sisma X SLD	0.7	0	0	0	6.6E1	0.059	2210	7531	Sisma Y SLD	0	0.7	0	0	6.6E1	0.059
2211	7532	Sisma X SLV	1.5	0	0	0	62.2	0.059	2212	7532	Sisma Y SLV	0	1.5	0	0	62.2	0.059
2213	7532	Sisma X SLO	0.8	0	0	0	62.2	0.059	2214	7532	Sisma Y SLO	0	0.8	0	0	62.2	0.059
2215	7532	Sisma X SLD	0.7	0	0	0	62.2	0.059	2216	7532	Sisma Y SLD	0	0.7	0	0	62.2	0.059
2217	7533	Sisma X SLV	1.5	0	0	0	61.5	0.059	2218	7533	Sisma Y SLV	0	1.5	0	0	61.5	0.059
2219	7533	Sisma X SLO	0.8	0	0	0	61.5	0.059	2220	7533	Sisma Y SLO	0	0.8	0	0	61.5	0.059
2221	7533	Sisma X SLD	0.6	0	0	0	61.5	0.059	2222	7533	Sisma Y SLD	0	0.6	0	0	61.5	0.059
2223	7534	Sisma X SLV	2.2	0	0	0	90.94	0.059	2224	7534	Sisma Y SLV	0	2.2	0	0	90.94	0.059
2225	7534	Sisma X SLO	1.2	0	0	0	90.94	0.059	2226	7534	Sisma Y SLO	0	1.2	0	0	90.94	0.059
2227	7534	Sisma X SLD	1	0	0	0	90.94	0.059	2228	7534	Sisma Y SLD	0	1	0	0	90.94	0.059
2229	7535	Sisma X SLV	1.8	0	0	0	7.6E1	0.059	2230	7535	Sisma Y SLV	0	1.8	0	0	7.6E1	0.059
2231	7535	Sisma X SLO	1	0	0	0	7.6E1	0.059	2232	7535	Sisma Y SLO	0	1	0	0	7.6E1	0.059
2233	7535	Sisma X SLD	0.8	0	0	0	7.6E1	0.059	2234	7535	Sisma Y SLD	0	0.8	0	0	7.6E1	0.059
2235	7536	Sisma X SLV	1.7	0	0	0	7.1E1	0.059	2236	7536	Sisma Y SLV	0	1.7	0	0	7.1E1	0.059
2237	7536	Sisma X SLO	0.9	0	0	0	7.1E1	0.059	2238	7536	Sisma Y SLO	0	0.9	0	0	7.1E1	0.059
2239	7536	Sisma X SLD	0.7	0	0	0	7.1E1	0.059	2240	7536	Sisma Y SLD	0	0.7	0	0	7.1E1	0.059
2241	7537	Sisma X SLV	1.8	0	0	0	7.7E1	0.059	2242	7537	Sisma Y SLV	0	1.8	0	0	7.7E1	0.059
2243	7537	Sisma X SLO	1	0	0	0	7.7E1	0.059	2244	7537	Sisma Y SLO	0	1	0	0	7.7E1	0.059
2245	7537	Sisma X SLD	0.8	0	0	0	7.7E1	0.059	2246	7537	Sisma Y SLD	0	0.8	0	0	7.7E1	0.059
2247	7538	Sisma X SLV	2.1	0	0	0	9.0E1	0.059	2248	7538	Sisma Y SLV	0	2.1	0	0	9.0E1	0.059
2249	7538	Sisma X SLO	1.1	0	0	0	9.0E1	0.059	2250	7538	Sisma Y SLO	0	1.1	0	0	9.0E1	0.059
2251	7538	Sisma X SLD	0.9	0	0	0	9.0E1	0.059	2252	7538	Sisma Y SLD	0	0.9	0	0	9.0E1	0.059
2253	7539	Sisma X SLV	2.1	0	0	0	8.9E1	0.059	2254	7539	Sisma Y SLV	0	2.1	0	0	8.9E1	0.059
2255	7539	Sisma X SLO	1.1	0	0	0	8.9E1	0.059	2256	7539	Sisma Y SLO	0	1.1	0	0	8.9E1	0.059
2257	7539	Sisma X SLD	0.9	0	0	0	8.9E1	0.059	2258	7539	Sisma Y SLD	0	0.9	0	0	8.9E1	0.059
2259	7540	Sisma X SLV	1.8	0	0	0	76.55	0.059	2260	7540	Sisma Y SLV	0	1.8	0	0	76.55	0.059
2261	7540	Sisma X SLO	1	0	0	0	76.55	0.059	2262	7540	Sisma Y SLO	0	1	0	0	76.55	0.059
2263	7540	Sisma X SLD	0.8	0	0	0	76.55	0.059	2264	7540	Sisma Y SLD	0	0.8	0	0	76.55	0.059
2265	7541	Sisma X SLV	1.8	0	0	0	7.4E1	0.059	2266	7541	Sisma Y SLV	0	1.8	0	0	7.4E1	0.059
2267	7541	Sisma X SLO	0.9	0	0	0	7.4E1	0.059	2268	7541	Sisma Y SLO	0	0.9	0	0	7.4E1	0.059
2269	7541	Sisma X SLD	0.8	0	0	0	7.4E1	0.059	2270	7541	Sisma Y SLD	0	0.8	0	0	7.4E1	0.059
2271	7542	Sisma X SLV	1.4	0	0	0	6.0E1	0.059	2272	7542	Sisma Y SLV	0	1.4	0	0	6.0E1	0.059
2273	7542	Sisma X SLO	0.8	0	0	0	6.0E1	0.059	2274	7542	Sisma Y SLO	0	0.8	0	0	6.0E1	0.059
2275	7542	Sisma X SLD	0.6	0	0	0	6.0E1	0.059	2276	7542	Sisma Y SLD	0	0.6	0	0	6.0E1	0.059
2277	7543	Sisma X SLV	3.3	0	0	0	1.4E2	0.06	2278	7543	Sisma Y SLV	0	3.3	0	0	1.4E2	0.06
2279	7543	Sisma X SLO	1.8	0	0	0	1.4E2	0.06	2280	7543	Sisma Y SLO	0	1.8	0	0	1.4E2	0.06
2281	7543	Sisma X SLD	1.5	0	0	0	1.4E2	0.06	2282	7543	Sisma Y SLD	0	1.5	0	0	1.4E2	0.06
2283	7544	Sisma X SLV	3.8	0	0	0	1.6E2	0.06	2284	7544	Sisma Y SLV	0	3.8	0	0	1.6E2	0.06
2285	7544	Sisma X SLO	2	0	0	0	1.6E2	0.06	2286	7544	Sisma Y SLO	0	2	0	0	1.6E2	0.06
2287	7544	Sisma X SLD	1.7	0	0	0	1.6E2	0.06	2288	7544	Sisma Y SLD	0	1.7	0	0	1.6E2	0.06
2289	7545	Sisma X SLV	3.8	0	0	0	1.6E2	0.06	2290	7545	Sisma Y SLV	0	3.8	0	0	1.6E2	0.06
2291	7545	Sisma X SLO	2	0	0	0	1.6E2	0.06	2292	7545	Sisma Y SLO	0	2	0	0	1.6E2	0.06
2293	7545	Sisma X SLD	1.7	0	0	0	1.6E2	0.06	2294	7545	Sisma Y SLD	0	1.7	0	0	1.6E2	0.06
2295	7546	Sisma X SLV	3.2	0	0	0	1.3E2	0.06	2296	7546	Sisma Y SLV	0	3.2	0	0	1.3E2	0.06
2297	7546	Sisma X SLO	1.7	0	0	0	1.3E2	0.06	2298	7546	Sisma Y SLO	0	1.7	0	0	1.3E2	0.06
2299	7546	Sisma X SLD	1.4	0	0	0	1.3E2	0.06	2300	7546	Sisma Y SLD	0	1.4	0	0	1.3E2	0.06
2301	7547	Sisma X SLV	3.2	0	0	0	1.3E2	0.06	2302	7547	Sisma Y SLV	0	3.2	0	0	1.3E2	0.06
2303	7547	Sisma X SLO	1.7	0	0	0	1.3E2	0.06	2304	7547	Sisma Y SLO	0	1.7	0	0	1.3E2	0.06
2305	7547	Sisma X SLD	1.4	0	0	0	1.3E2	0.06	2306	7547	Sisma Y SLD	0	1.4	0	0	1.3E2	0.06
2307	7548	Sisma X SLV	3.1	0	0	0	1.3E2	0.06	2308	7548	Sisma Y SLV	0	3.1	0	0	1.3E2	0.06
2309	7548	Sisma X SLO	1.7	0	0	0	1.3E2	0.06	2310	7548	Sisma Y SLO	0	1.7	0	0	1.3E2	0.06
2311	7548	Sisma X SLD	1.4	0	0	0	1.3E2	0.06	2312	7548	Sisma Y SLD	0	1.4	0	0	1.3E2	0.06

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
2313	7549	Sisma X SLV	3.7	0	0	0	1.5E2	0.061	2314	7549	Sisma Y SLV	0	3.7	0	0	1.5E2	0.061
2315	7549	Sisma X SLO	2	0	0	0	1.5E2	0.061	2316	7549	Sisma Y SLO	0	2	0	0	1.5E2	0.061
2317	7549	Sisma X SLD	1.6	0	0	0	1.5E2	0.061	2318	7549	Sisma Y SLD	0	1.6	0	0	1.5E2	0.061
2319	7550	Sisma X SLV	3.7	0	0	0	1.5E2	0.061	2320	7550	Sisma Y SLV	0	3.7	0	0	1.5E2	0.061
2321	7550	Sisma X SLO	2	0	0	0	1.5E2	0.061	2322	7550	Sisma Y SLO	0	2	0	0	1.5E2	0.061
2323	7550	Sisma X SLD	1.6	0	0	0	1.5E2	0.061	2324	7550	Sisma Y SLD	0	1.6	0	0	1.5E2	0.061
2325	7551	Sisma X SLV	3.6	0	0	0	1.5E2	0.061	2326	7551	Sisma Y SLV	0	3.6	0	0	1.5E2	0.061
2327	7551	Sisma X SLO	1.9	0	0	0	1.5E2	0.061	2328	7551	Sisma Y SLO	0	1.9	0	0	1.5E2	0.061
2329	7551	Sisma X SLD	1.6	0	0	0	1.5E2	0.061	2330	7551	Sisma Y SLD	0	1.6	0	0	1.5E2	0.061
2331	7552	Sisma X SLV	3.3	0	0	0	1.4E2	0.061	2332	7552	Sisma Y SLV	0	3.3	0	0	1.4E2	0.061
2333	7552	Sisma X SLO	1.8	0	0	0	1.4E2	0.061	2334	7552	Sisma Y SLO	0	1.8	0	0	1.4E2	0.061
2335	7552	Sisma X SLD	1.5	0	0	0	1.4E2	0.061	2336	7552	Sisma Y SLD	0	1.5	0	0	1.4E2	0.061
2337	7553	Sisma X SLV	3.6	0	0	0	1.5E2	0.061	2338	7553	Sisma Y SLV	0	3.6	0	0	1.5E2	0.061
2339	7553	Sisma X SLO	1.9	0	0	0	1.5E2	0.061	2340	7553	Sisma Y SLO	0	1.9	0	0	1.5E2	0.061
2341	7553	Sisma X SLD	1.6	0	0	0	1.5E2	0.061	2342	7553	Sisma Y SLD	0	1.6	0	0	1.5E2	0.061
2343	7554	Sisma X SLV	3.4	0	0	0	1.4E2	0.061	2344	7554	Sisma Y SLV	0	3.4	0	0	1.4E2	0.061
2345	7554	Sisma X SLO	1.8	0	0	0	1.4E2	0.061	2346	7554	Sisma Y SLO	0	1.8	0	0	1.4E2	0.061
2347	7554	Sisma X SLD	1.5	0	0	0	1.4E2	0.061	2348	7554	Sisma Y SLD	0	1.5	0	0	1.4E2	0.061
2349	7555	Sisma X SLV	3.7	0	0	0	1.5E2	0.061	2350	7555	Sisma Y SLV	0	3.7	0	0	1.5E2	0.061
2351	7555	Sisma X SLO	2	0	0	0	1.5E2	0.061	2352	7555	Sisma Y SLO	0	2	0	0	1.5E2	0.061
2353	7555	Sisma X SLD	1.6	0	0	0	1.5E2	0.061	2354	7555	Sisma Y SLD	0	1.6	0	0	1.5E2	0.061
2355	7556	Sisma X SLV	3.4	0	0	0	1.4E2	0.061	2356	7556	Sisma Y SLV	0	3.4	0	0	1.4E2	0.061
2357	7556	Sisma X SLO	1.8	0	0	0	1.4E2	0.061	2358	7556	Sisma Y SLO	0	1.8	0	0	1.4E2	0.061
2359	7556	Sisma X SLD	1.5	0	0	0	1.4E2	0.061	2360	7556	Sisma Y SLD	0	1.5	0	0	1.4E2	0.061
2361	7557	Sisma X SLV	3.3	0	0	0	1.4E2	0.061	2362	7557	Sisma Y SLV	0	3.3	0	0	1.4E2	0.061
2363	7557	Sisma X SLO	1.8	0	0	0	1.4E2	0.061	2364	7557	Sisma Y SLO	0	1.8	0	0	1.4E2	0.061
2365	7557	Sisma X SLD	1.5	0	0	0	1.4E2	0.061	2366	7557	Sisma Y SLD	0	1.5	0	0	1.4E2	0.061
2367	7558	Sisma X SLV	3.4	0	0	0	1.4E2	0.061	2368	7558	Sisma Y SLV	0	3.4	0	0	1.4E2	0.061
2369	7558	Sisma X SLO	1.8	0	0	0	1.4E2	0.061	2370	7558	Sisma Y SLO	0	1.8	0	0	1.4E2	0.061
2371	7558	Sisma X SLD	1.5	0	0	0	1.4E2	0.061	2372	7558	Sisma Y SLD	0	1.5	0	0	1.4E2	0.061
2373	7559	Sisma X SLV	3.7	0	0	0	1.5E2	0.062	2374	7559	Sisma Y SLV	0	3.7	0	0	1.5E2	0.062
2375	7559	Sisma X SLO	2	0	0	0	1.5E2	0.062	2376	7559	Sisma Y SLO	0	2	0	0	1.5E2	0.062
2377	7559	Sisma X SLD	1.6	0	0	0	1.5E2	0.062	2378	7559	Sisma Y SLD	0	1.6	0	0	1.5E2	0.062
2379	7560	Sisma X SLV	1.5	0	0	0	6.2E1	0.062	2380	7560	Sisma Y SLV	0	1.5	0	0	6.2E1	0.062
2381	7560	Sisma X SLO	0.8	0	0	0	6.2E1	0.062	2382	7560	Sisma Y SLO	0	0.8	0	0	6.2E1	0.062
2383	7560	Sisma X SLD	0.7	0	0	0	6.2E1	0.062	2384	7560	Sisma Y SLD	0	0.7	0	0	6.2E1	0.062
2385	7561	Sisma X SLV	3	0	0	0	1.2E2	0.062	2386	7561	Sisma Y SLV	0	3	0	0	1.2E2	0.062
2387	7561	Sisma X SLO	1.6	0	0	0	1.2E2	0.062	2388	7561	Sisma Y SLO	0	1.6	0	0	1.2E2	0.062
2389	7561	Sisma X SLD	1.3	0	0	0	1.2E2	0.062	2390	7561	Sisma Y SLD	0	1.3	0	0	1.2E2	0.062
2391	7562	Sisma X SLV	1.5	0	0	0	6.2E1	0.062	2392	7562	Sisma Y SLV	0	1.5	0	0	6.2E1	0.062
2393	7562	Sisma X SLO	0.8	0	0	0	6.2E1	0.062	2394	7562	Sisma Y SLO	0	0.8	0	0	6.2E1	0.062
2395	7562	Sisma X SLD	0.7	0	0	0	6.2E1	0.062	2396	7562	Sisma Y SLD	0	0.7	0	0	6.2E1	0.062
2397	7563	Sisma X SLV	3	0	0	0	1.2E2	0.062	2398	7563	Sisma Y SLV	0	3	0	0	1.2E2	0.062
2399	7563	Sisma X SLO	1.6	0	0	0	1.2E2	0.062	2400	7563	Sisma Y SLO	0	1.6	0	0	1.2E2	0.062
2401	7563	Sisma X SLD	1.3	0	0	0	1.2E2	0.062	2402	7563	Sisma Y SLD	0	1.3	0	0	1.2E2	0.062
2403	7564	Sisma X SLV	5.2	0	0	0	2.1E2	0.062	2404	7564	Sisma Y SLV	0	5.2	0	0	2.1E2	0.062
2405	7564	Sisma X SLO	2.8	0	0	0	2.1E2	0.062	2406	7564	Sisma Y SLO	0	2.8	0	0	2.1E2	0.062
2407	7564	Sisma X SLD	2.3	0	0	0	2.1E2	0.062	2408	7564	Sisma Y SLD	0	2.3	0	0	2.1E2	0.062
2409	7565	Sisma X SLV	3	0	0	0	1.2E2	0.062	2410	7565	Sisma Y SLV	0	3	0	0	1.2E2	0.062
2411	7565	Sisma X SLO	1.6	0	0	0	1.2E2	0.062	2412	7565	Sisma Y SLO	0	1.6	0	0	1.2E2	0.062
2413	7565	Sisma X SLD	1.3	0	0	0	1.2E2	0.062	2414	7565	Sisma Y SLD	0	1.3	0	0	1.2E2	0.062
2415	7566	Sisma X SLV	3.7	0	0	0	1.5E2	0.062	2416	7566	Sisma Y SLV	0	3.7	0	0	1.5E2	0.062
2417	7566	Sisma X SLO	2	0	0	0	1.5E2	0.062	2418	7566	Sisma Y SLO	0	2	0	0	1.5E2	0.062
2419	7566	Sisma X SLD	1.7	0	0	0	1.5E2	0.062	2420	7566	Sisma Y SLD	0	1.7	0	0	1.5E2	0.062
2421	7567	Sisma X SLV	3.7	0	0	0	1.5E2	0.062	2422	7567	Sisma Y SLV	0	3.7	0	0	1.5E2	0.062
2423	7567	Sisma X SLO	2	0	0	0	1.5E2	0.062	2424	7567	Sisma Y SLO	0	2	0	0	1.5E2	0.062
2425	7567	Sisma X SLD	1.7	0	0	0	1.5E2	0.062	2426	7567	Sisma Y SLD	0	1.7	0	0	1.5E2	0.062
2427	7568	Sisma X SLV	3.8	0	0	0	1.5E2	0.062	2428	7568	Sisma Y SLV	0	3.8	0	0	1.5E2	0.062
2429	7568	Sisma X SLO	2	0	0	0	1.5E2	0.062	2430	7568	Sisma Y SLO	0	2	0	0	1.5E2	0.062
2431	7568	Sisma X SLD	1.7	0	0	0	1.5E2	0.062	2432	7568	Sisma Y SLD	0	1.7	0	0	1.5E2	0.062
2433	7569	Sisma X SLV	2.1	0	0	0	83.38	0.063	2434	7569	Sisma Y SLV	0	2.1	0	0	83.38	0.063
2435	7569	Sisma X SLO	1.1	0	0	0	83.38	0.063	2436	7569	Sisma Y SLO	0	1.1	0	0	83.38	0.063
2437	7569	Sisma X SLD	0.9	0	0	0	83.38	0.063	2438	7569	Sisma Y SLD	0	0.9	0	0	83.38	0.063
2439	7570	Sisma X SLV	2.2	0	0	0	9.0E1	0.063	2440	7570	Sisma Y SLV	0	2.2	0	0	9.0E1	0.063
2441	7570	Sisma X SLO	1.2	0	0	0	9.0E1	0.063	2442	7570	Sisma Y SLO	0	1.2	0	0	9.0E1	0.063
2443	7570	Sisma X SLD	1	0	0	0	9.0E1	0.063	2444	7570	Sisma Y SLD	0	1	0	0	9.0E1	0.063
2445	7571	Sisma X SLV	3.9	0	0	0	155.1	0.063	2446	7571	Sisma Y SLV	0	3.9	0	0	155.1	0.063
2447	7571	Sisma X SLO	2.1	0	0	0	155.1	0.063	2448	7571	Sisma Y SLO	0	2.1	0	0	155.1	0.063
2449	7571	Sisma X SLD	1.7	0	0	0	155.1	0.063	2450	7571	Sisma Y SLD	0	1.7	0	0	155.1	0.063
2451	7572	Sisma X SLV	3.9	0	0	0	1.6E2	0.063	2452	7572	Sisma Y SLV	0	3.9	0	0	1.6E2	0.063
2453	7572	Sisma X SLO	2.1	0	0	0	1.6E2	0.063	2454	7572	Sisma Y SLO	0	2.1	0	0	1.6E2	0.063
2455	7572	Sisma X SLD	1.7	0	0	0	1.6E2	0.063	2456	7572	Sisma Y SLD	0	1.7	0	0	1.6E2	0.063
2457	7573	Sisma X SLV	4	0	0	0	1.6E2	0.063	2458	7573	Sisma Y SLV	0	4	0	0	1.6E2	0.063
2459	7573	Sisma X SLO	2.1	0	0	0	1.6E2	0.063	2460	7573	Sisma Y SLO	0	2.1	0	0	1.6E2	0.063
2461	7573	Sisma X SLD	1.8	0	0	0	1.6E2	0.063	2462	7573	Sisma Y SLD	0	1.8	0	0	1.6E2	0.063
2463	7574	Sisma X SLV	5.8	0	0	0	2.3E2	0.064	2464	7574	Sisma Y SLV	0	5.8	0	0	2.3E2	0.064
2465	7574	Sisma X SLO	3.1	0	0	0	2.3E2	0.064	2466	7574	Sisma Y SLO	0	3.1	0	0	2.3E2	0.064
2467	7574	Sisma X SLD	2.6	0	0	0	2.3E2	0.064	2468	7574	Sisma Y SLD	0	2.6	0	0	2.3E2	0.064
2469	7575	Sisma X SLV	4	0	0	0	1.6E2	0.064	2470	7575	Sisma Y SLV	0	4	0	0	1.6E2	0.064
2471	7575	Sisma X SLO	2.1	0	0	0	1.6E2	0.064	2472	7575	Sisma Y SLO	0	2.1	0	0	1.6E2	0.064
2473	7575	Sisma X SLD	1.8	0	0	0	1.6E2	0.064	2474	7575	Sisma Y SLD	0	1.8	0	0	1.6E2	0.064
2475	7576	Sisma X SLV	4.1	0	0	0	1.6E2	0.064	2476	7576	Sisma Y SLV	0	4.1	0	0	1.6E2	0.064
2477	7576	Sisma X SLO	2.2	0	0	0	1.6E2	0.064	2478	7576	Sisma Y SLO	0	2.2	0	0	1.6E2	0.064
2479	7576	Sisma X SLD	1.8	0	0	0	1.6E2	0.064	2480	7576	Sisma Y SLD	0	1.8	0	0	1.6E2	0.064
2481	7577	Sisma X SLV	3.6	0	0	0	1.4E2	0.065	2482	7577	Sisma Y SLV	0	3.6	0	0	1.4E2	0.065
2483	7577	Sisma X SLO	1.9	0	0	0	1.4E2	0.065	2484	7577	Sisma Y SLO	0	1.9	0	0	1.4E2	0.065
2485	7577	Sisma X SLD	1.6	0	0	0	1.4E2	0.065	2486	7577	Sisma Y SLD	0	1.6	0	0	1.4E2	0.065
2487	7578	Sisma X SLV	4.4	0	0	0	1.7E2	0.065	2488	7578	Sisma Y SLV	0	4.4	0	0	1.7E2	0.065
2489	7578	Sisma X SLO	2.3	0	0	0	1.7E2	0.065	2490	7578	Sisma Y SLO	0	2.3	0	0	1.7E2	0.065
2491	7578	Sisma X SLD	1.9	0	0	0	1.7E2	0.065	2492	7578	Sisma Y SLD	0	1.9	0	0	1.7E2	0.065
2493	7579	Sisma X SLV	3.6	0	0	0	1.4E2	0.065	2494	7579	Sisma Y SLV	0	3.6	0	0	1.4E2	0.065
2495	7579	Sisma X SLO	1.9	0	0	0	1.4E2	0.065	2496	7579	Sisma Y SLO	0	1.9	0	0	1.4E2	0.065
2497	7579	Sisma X SLD	1.6	0	0	0	1.4E2	0.065	2498	7579	Sisma Y SLD	0	1.6	0	0	1.4E2	0.065
2499	7580	Sisma X SLV	5.1	0	0	0	2.0E2	0.065	2500	7580	Sisma Y SLV	0	5.1	0	0	2.0E2	0.065
2501	7580	Sisma X SLO	2.7	0	0	0	2.0E2	0.065	2502	7580	Sisma Y SLO	0	2.7	0	0	2.0E2	0.065
2503	7580	Sisma X SLD	2.3	0	0	0	2.0E2	0.065	2504	7580	Sisma Y SLD	0	2.3	0	0	2.0E2	0.065
2505	7581	Sisma X SLV	4.1	0	0	0	1.6E2	0.065	2506	7581	Sisma Y SLV	0	4.1	0	0	1.6E2	0.065
2507	7581	Sisma X SLO	2.2	0	0	0	1.6E2	0.065	2508	7581	Sisma Y SLO	0	2.2	0	0	1.6E2	0.065
2509	7581	Sisma X SLD	1.8	0	0	0	1.6E2	0.065	2510	7581	Sisma Y SLD	0	1.8	0	0	1.6E2	0.065
2511	7582	Sisma X SLV	4.2	0	0	0	1.6E2	0.065	2512	7582	Sisma Y SLV	0	4.2	0	0	1.6E2	0.065

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
2513	7582	Sisma X SLO	2.2	0	0	0	1.6E2	0.065	2514	7582	Sisma Y SLO	0	2.2	0	0	1.6E2	0.065
2515	7582	Sisma X SLD	1.9	0	0	0	1.6E2	0.065	2516	7582	Sisma Y SLD	0	1.9	0	0	1.6E2	0.065
2517	7583	Sisma X SLV	3.6	0	0	0	1.4E2	0.066	2518	7583	Sisma Y SLV	0	3.6	0	0	1.4E2	0.066
2519	7583	Sisma X SLO	1.9	0	0	0	1.4E2	0.066	2520	7583	Sisma Y SLO	0	1.9	0	0	1.4E2	0.066
2521	7583	Sisma X SLD	1.6	0	0	0	1.4E2	0.066	2522	7583	Sisma Y SLD	0	1.6	0	0	1.4E2	0.066
2523	7584	Sisma X SLV	4.2	0	0	0	1.6E2	0.066	2524	7584	Sisma Y SLV	0	4.2	0	0	1.6E2	0.066
2525	7584	Sisma X SLO	2.2	0	0	0	1.6E2	0.066	2526	7584	Sisma Y SLO	0	2.2	0	0	1.6E2	0.066
2527	7584	Sisma X SLD	1.8	0	0	0	1.6E2	0.066	2528	7584	Sisma Y SLD	0	1.8	0	0	1.6E2	0.066
2529	7585	Sisma X SLV	4.3	0	0	0	1.6E2	0.066	2530	7585	Sisma Y SLV	0	4.3	0	0	1.6E2	0.066
2531	7585	Sisma X SLO	2.3	0	0	0	1.6E2	0.066	2532	7585	Sisma Y SLO	0	2.3	0	0	1.6E2	0.066
2533	7585	Sisma X SLD	1.9	0	0	0	1.6E2	0.066	2534	7585	Sisma Y SLD	0	1.9	0	0	1.6E2	0.066
2535	7586	Sisma X SLV	5.4	0	0	0	2.0E2	0.066	2536	7586	Sisma Y SLV	0	5.4	0	0	2.0E2	0.066
2537	7586	Sisma X SLO	2.9	0	0	0	2.0E2	0.066	2538	7586	Sisma Y SLO	0	2.9	0	0	2.0E2	0.066
2539	7586	Sisma X SLD	2.4	0	0	0	2.0E2	0.066	2540	7586	Sisma Y SLD	0	2.4	0	0	2.0E2	0.066
2541	7587	Sisma X SLV	3.8	0	0	0	1.5E2	0.066	2542	7587	Sisma Y SLV	0	3.8	0	0	1.5E2	0.066
2543	7587	Sisma X SLO	2	0	0	0	1.5E2	0.066	2544	7587	Sisma Y SLO	0	2	0	0	1.5E2	0.066
2545	7587	Sisma X SLD	1.7	0	0	0	1.5E2	0.066	2546	7587	Sisma Y SLD	0	1.7	0	0	1.5E2	0.066
2547	7588	Sisma X SLV	4.2	0	0	0	1.6E2	0.066	2548	7588	Sisma Y SLV	0	4.2	0	0	1.6E2	0.066
2549	7588	Sisma X SLO	2.2	0	0	0	1.6E2	0.066	2550	7588	Sisma Y SLO	0	2.2	0	0	1.6E2	0.066
2551	7588	Sisma X SLD	1.9	0	0	0	1.6E2	0.066	2552	7588	Sisma Y SLD	0	1.9	0	0	1.6E2	0.066
2553	7589	Sisma X SLV	4.3	0	0	0	1.6E2	0.066	2554	7589	Sisma Y SLV	0	4.3	0	0	1.6E2	0.066
2555	7589	Sisma X SLO	2.3	0	0	0	1.6E2	0.066	2556	7589	Sisma Y SLO	0	2.3	0	0	1.6E2	0.066
2557	7589	Sisma X SLD	1.9	0	0	0	1.6E2	0.066	2558	7589	Sisma Y SLD	0	1.9	0	0	1.6E2	0.066
2559	7590	Sisma X SLV	5.9	0	0	0	2.2E2	0.066	2560	7590	Sisma Y SLV	0	5.9	0	0	2.2E2	0.066
2561	7590	Sisma X SLO	3.2	0	0	0	2.2E2	0.066	2562	7590	Sisma Y SLO	0	3.2	0	0	2.2E2	0.066
2563	7590	Sisma X SLD	2.6	0	0	0	2.2E2	0.066	2564	7590	Sisma Y SLD	0	2.6	0	0	2.2E2	0.066
2565	7591	Sisma X SLV	4.3	0	0	0	1.6E2	0.066	2566	7591	Sisma Y SLV	0	4.3	0	0	1.6E2	0.066
2567	7591	Sisma X SLO	2.3	0	0	0	1.6E2	0.066	2568	7591	Sisma Y SLO	0	2.3	0	0	1.6E2	0.066
2569	7591	Sisma X SLD	1.9	0	0	0	1.6E2	0.066	2570	7591	Sisma Y SLD	0	1.9	0	0	1.6E2	0.066
2571	7592	Sisma X SLV	4.5	0	0	0	1.7E2	0.067	2572	7592	Sisma Y SLV	0	4.5	0	0	1.7E2	0.067
2573	7592	Sisma X SLO	2.4	0	0	0	1.7E2	0.067	2574	7592	Sisma Y SLO	0	2.4	0	0	1.7E2	0.067
2575	7592	Sisma X SLD	2	0	0	0	1.7E2	0.067	2576	7592	Sisma Y SLD	0	2	0	0	1.7E2	0.067
2577	7593	Sisma X SLV	3.2	0	0	0	1.2E2	0.067	2578	7593	Sisma Y SLV	0	3.2	0	0	1.2E2	0.067
2579	7593	Sisma X SLO	1.7	0	0	0	1.2E2	0.067	2580	7593	Sisma Y SLO	0	1.7	0	0	1.2E2	0.067
2581	7593	Sisma X SLD	1.4	0	0	0	1.2E2	0.067	2582	7593	Sisma Y SLD	0	1.4	0	0	1.2E2	0.067
2583	7594	Sisma X SLV	4.1	0	0	0	1.5E2	0.067	2584	7594	Sisma Y SLV	0	4.1	0	0	1.5E2	0.067
2585	7594	Sisma X SLO	2.2	0	0	0	1.5E2	0.067	2586	7594	Sisma Y SLO	0	2.2	0	0	1.5E2	0.067
2587	7594	Sisma X SLD	1.8	0	0	0	1.5E2	0.067	2588	7594	Sisma Y SLD	0	1.8	0	0	1.5E2	0.067
2589	7595	Sisma X SLV	4.4	0	0	0	1.6E2	0.067	2590	7595	Sisma Y SLV	0	4.4	0	0	1.6E2	0.067
2591	7595	Sisma X SLO	2.3	0	0	0	1.6E2	0.067	2592	7595	Sisma Y SLO	0	2.3	0	0	1.6E2	0.067
2593	7595	Sisma X SLD	1.9	0	0	0	1.6E2	0.067	2594	7595	Sisma Y SLD	0	1.9	0	0	1.6E2	0.067
2595	7596	Sisma X SLV	4.5	0	0	0	1.7E2	0.067	2596	7596	Sisma Y SLV	0	4.5	0	0	1.7E2	0.067
2597	7596	Sisma X SLO	2.4	0	0	0	1.7E2	0.067	2598	7596	Sisma Y SLO	0	2.4	0	0	1.7E2	0.067
2599	7596	Sisma X SLD	2	0	0	0	1.7E2	0.067	2600	7596	Sisma Y SLD	0	2	0	0	1.7E2	0.067
2601	7597	Sisma X SLV	4.7	0	0	0	1.7E2	0.068	2602	7597	Sisma Y SLV	0	4.7	0	0	1.7E2	0.068
2603	7597	Sisma X SLO	2.5	0	0	0	1.7E2	0.068	2604	7597	Sisma Y SLO	0	2.5	0	0	1.7E2	0.068
2605	7597	Sisma X SLD	2.1	0	0	0	1.7E2	0.068	2606	7597	Sisma Y SLD	0	2.1	0	0	1.7E2	0.068
2607	7598	Sisma X SLV	4.5	0	0	0	1.7E2	0.068	2608	7598	Sisma Y SLV	0	4.5	0	0	1.7E2	0.068
2609	7598	Sisma X SLO	2.4	0	0	0	1.7E2	0.068	2610	7598	Sisma Y SLO	0	2.4	0	0	1.7E2	0.068
2611	7598	Sisma X SLD	2	0	0	0	1.7E2	0.068	2612	7598	Sisma Y SLD	0	2	0	0	1.7E2	0.068
2613	7599	Sisma X SLV	3.5	0	0	0	1.3E2	0.068	2614	7599	Sisma Y SLV	0	3.5	0	0	1.3E2	0.068
2615	7599	Sisma X SLO	1.8	0	0	0	1.3E2	0.068	2616	7599	Sisma Y SLO	0	1.8	0	0	1.3E2	0.068
2617	7599	Sisma X SLD	1.5	0	0	0	1.3E2	0.068	2618	7599	Sisma Y SLD	0	1.5	0	0	1.3E2	0.068
2619	7600	Sisma X SLV	3.2	0	0	0	1.2E2	0.068	2620	7600	Sisma Y SLV	0	3.2	0	0	1.2E2	0.068
2621	7600	Sisma X SLO	1.7	0	0	0	1.2E2	0.068	2622	7600	Sisma Y SLO	0	1.7	0	0	1.2E2	0.068
2623	7600	Sisma X SLD	1.4	0	0	0	1.2E2	0.068	2624	7600	Sisma Y SLD	0	1.4	0	0	1.2E2	0.068
2625	7601	Sisma X SLV	4.6	0	0	0	1.7E2	0.068	2626	7601	Sisma Y SLV	0	4.6	0	0	1.7E2	0.068
2627	7601	Sisma X SLO	2.4	0	0	0	1.7E2	0.068	2628	7601	Sisma Y SLO	0	2.4	0	0	1.7E2	0.068
2629	7601	Sisma X SLD	2	0	0	0	1.7E2	0.068	2630	7601	Sisma Y SLD	0	2	0	0	1.7E2	0.068
2631	7602	Sisma X SLV	6.1	0	0	0	2.2E2	0.068	2632	7602	Sisma Y SLV	0	6.1	0	0	2.2E2	0.068
2633	7602	Sisma X SLO	3.2	0	0	0	2.2E2	0.068	2634	7602	Sisma Y SLO	0	3.2	0	0	2.2E2	0.068
2635	7602	Sisma X SLD	2.7	0	0	0	2.2E2	0.068	2636	7602	Sisma Y SLD	0	2.7	0	0	2.2E2	0.068
2637	7603	Sisma X SLV	4.6	0	0	0	1.7E2	0.069	2638	7603	Sisma Y SLV	0	4.6	0	0	1.7E2	0.069
2639	7603	Sisma X SLO	2.4	0	0	0	1.7E2	0.069	2640	7603	Sisma Y SLO	0	2.4	0	0	1.7E2	0.069
2641	7603	Sisma X SLD	2	0	0	0	1.7E2	0.069	2642	7603	Sisma Y SLD	0	2	0	0	1.7E2	0.069
2643	7604	Sisma X SLV	4.6	0	0	0	1.7E2	0.069	2644	7604	Sisma Y SLV	0	4.6	0	0	1.7E2	0.069
2645	7604	Sisma X SLO	2.5	0	0	0	1.7E2	0.069	2646	7604	Sisma Y SLO	0	2.5	0	0	1.7E2	0.069
2647	7604	Sisma X SLD	2	0	0	0	1.7E2	0.069	2648	7604	Sisma Y SLD	0	2	0	0	1.7E2	0.069
2649	7605	Sisma X SLV	4.2	0	0	0	1.5E2	0.069	2650	7605	Sisma Y SLV	0	4.2	0	0	1.5E2	0.069
2651	7605	Sisma X SLO	2.2	0	0	0	1.5E2	0.069	2652	7605	Sisma Y SLO	0	2.2	0	0	1.5E2	0.069
2653	7605	Sisma X SLD	1.9	0	0	0	1.5E2	0.069	2654	7605	Sisma Y SLD	0	1.9	0	0	1.5E2	0.069
2655	7606	Sisma X SLV	4.6	0	0	0	1.7E2	0.069	2656	7606	Sisma Y SLV	0	4.6	0	0	1.7E2	0.069
2657	7606	Sisma X SLO	2.5	0	0	0	1.7E2	0.069	2658	7606	Sisma Y SLO	0	2.5	0	0	1.7E2	0.069
2659	7606	Sisma X SLD	2	0	0	0	1.7E2	0.069	2660	7606	Sisma Y SLD	0	2	0	0	1.7E2	0.069
2661	7607	Sisma X SLV	4.6	0	0	0	1.7E2	0.069	2662	7607	Sisma Y SLV	0	4.6	0	0	1.7E2	0.069
2663	7607	Sisma X SLO	2.5	0	0	0	1.7E2	0.069	2664	7607	Sisma Y SLO	0	2.5	0	0	1.7E2	0.069
2665	7607	Sisma X SLD	2.1	0	0	0	1.7E2	0.069	2666	7607	Sisma Y SLD	0	2.1	0	0	1.7E2	0.069
2667	7608	Sisma X SLV	4.5	0	0	0	1.6E2	0.07	2668	7608	Sisma Y SLV	0	4.5	0	0	1.6E2	0.07
2669	7608	Sisma X SLO	2.4	0	0	0	1.6E2	0.07	2670	7608	Sisma Y SLO	0	2.4	0	0	1.6E2	0.07
2671	7608	Sisma X SLD	2	0	0	0	1.6E2	0.07	2672	7608	Sisma Y SLD	0	2	0	0	1.6E2	0.07
2673	7609	Sisma X SLV	4.7	0	0	0	1.7E2	0.07	2674	7609	Sisma Y SLV	0	4.7	0	0	1.7E2	0.07
2675	7609	Sisma X SLO	2.5	0	0	0	1.7E2	0.07	2676	7609	Sisma Y SLO	0	2.5	0	0	1.7E2	0.07
2677	7609	Sisma X SLD	2.1	0	0	0	1.7E2	0.07	2678	7609	Sisma Y SLD	0	2.1	0	0	1.7E2	0.07
2679	7610	Sisma X SLV	6.2	0	0	0	2.2E2	0.07	2680	7610	Sisma Y SLV	0	6.2	0	0	2.2E2	0.07
2681	7610	Sisma X SLO	3.3	0	0	0	2.2E2	0.07	2682	7610	Sisma Y SLO	0	3.3	0	0	2.2E2	0.07
2683	7610	Sisma X SLD	2.7	0	0	0	2.2E2	0.07	2684	7610	Sisma Y SLD	0	2.7	0	0	2.2E2	0.07
2685	7611	Sisma X SLV	4.7	0	0	0	1.7E2	0.07	2686	7611	Sisma Y SLV	0	4.7	0	0	1.7E2	0.07
2687	7611	Sisma X SLO	2.5	0	0	0	1.7E2	0.07	2688	7611	Sisma Y SLO	0	2.5	0	0	1.7E2	0.07
2689	7611	Sisma X SLD	2.1	0	0	0	1.7E2	0.07	2690	7611	Sisma Y SLD	0	2.1	0	0	1.7E2	0.07
2691	7612	Sisma X SLV	2.9	0	0	0	1.0E2	0.07	2692	7612	Sisma Y SLV	0	2.9	0	0	1.0E2	0.07
2693	7612	Sisma X SLO	1.6	0	0	0	1.0E2	0.07	2694	7612	Sisma Y SLO	0	1.6	0	0	1.0E2	0.07
2695	7612	Sisma X SLD	1.3	0	0	0	1.0E2	0.07	2696	7612	Sisma Y SLD	0	1.3	0	0	1.0E2	0.07
2697	7613	Sisma X SLV	4.7	0	0	0	1.7E2	0.07	2698	7613	Sisma Y SLV	0	4.7	0	0	1.7E2	0.07
2699	7613	Sisma X SLO	2.5	0	0	0	1.7E2	0.07	2700	7613	Sisma Y SLO	0	2.5	0	0	1.7E2	0.07
2701	7613	Sisma X SLD	2.1	0	0	0	1.7E2	0.07	2702	7613	Sisma Y SLD	0	2.1	0	0	1.7E2	0.07
2703	7614	Sisma X SLV	4.2	0	0	0	1.5E2	0.07	2704	7614	Sisma Y SLV	0	4.2	0	0	1.5E2	0.07
2705	7614	Sisma X SLO	2.2	0	0	0	1.5E2	0.07	2706	7614	Sisma Y SLO	0	2.2	0	0	1.5E2	0.07
2707	7614	Sisma X SLD	1.8	0	0	0	1.5E2	0.07	2708	7614	Sisma Y SLD	0	1.8	0	0	1.5E2	0.07
2709	7615	Sisma X SLV	2.2	0	0	0	7.7E1	0.071	2710	7615	Sisma Y SLV	0	2.2	0	0	7.7E1	0.071
2711	7615	Sisma X SLO	1.2	0	0	0	7.7E1	0.071	2712	7615	Sisma Y SLO	0	1.2	0	0	7.7E1	0.071

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
2713	7615	Sisma X SLD	1	0	0	0	7.7E1	0.071	2714	7615	Sisma Y SLD	0	1	0	0	7.7E1	0.071
2715	7616	Sisma X SLV	4.7	0	0	0	1.7E2	0.071	2716	7616	Sisma Y SLV	0	4.7	0	0	1.7E2	0.071
2717	7616	Sisma X SLO	2.5	0	0	0	1.7E2	0.071	2718	7616	Sisma Y SLO	0	2.5	0	0	1.7E2	0.071
2719	7616	Sisma X SLD	2.1	0	0	0	1.7E2	0.071	2720	7616	Sisma Y SLD	0	2.1	0	0	1.7E2	0.071
2721	7617	Sisma X SLV	4.6	0	0	0	1.6E2	0.071	2722	7617	Sisma Y SLV	0	4.6	0	0	1.6E2	0.071
2723	7617	Sisma X SLO	2.5	0	0	0	1.6E2	0.071	2724	7617	Sisma Y SLO	0	2.5	0	0	1.6E2	0.071
2725	7617	Sisma X SLD	2.1	0	0	0	1.6E2	0.071	2726	7617	Sisma Y SLD	0	2.1	0	0	1.6E2	0.071
2727	7618	Sisma X SLV	4.8	0	0	0	1.7E2	0.071	2728	7618	Sisma Y SLV	0	4.8	0	0	1.7E2	0.071
2729	7618	Sisma X SLO	2.5	0	0	0	1.7E2	0.071	2730	7618	Sisma Y SLO	0	2.5	0	0	1.7E2	0.071
2731	7618	Sisma X SLD	2.1	0	0	0	1.7E2	0.071	2732	7618	Sisma Y SLD	0	2.1	0	0	1.7E2	0.071
2733	7619	Sisma X SLV	4.8	0	0	0	1.7E2	0.071	2734	7619	Sisma Y SLV	0	4.8	0	0	1.7E2	0.071
2735	7619	Sisma X SLO	2.5	0	0	0	1.7E2	0.071	2736	7619	Sisma Y SLO	0	2.5	0	0	1.7E2	0.071
2737	7619	Sisma X SLD	2.1	0	0	0	1.7E2	0.071	2738	7619	Sisma Y SLD	0	2.1	0	0	1.7E2	0.071
2739	7620	Sisma X SLV	3.1	0	0	0	1.1E2	0.072	2740	7620	Sisma Y SLV	0	3.1	0	0	1.1E2	0.072
2741	7620	Sisma X SLO	1.7	0	0	0	1.1E2	0.072	2742	7620	Sisma Y SLO	0	1.7	0	0	1.1E2	0.072
2743	7620	Sisma X SLD	1.4	0	0	0	1.1E2	0.072	2744	7620	Sisma Y SLD	0	1.4	0	0	1.1E2	0.072
2745	7621	Sisma X SLV	4.8	0	0	0	1.7E2	0.072	2746	7621	Sisma Y SLV	0	4.8	0	0	1.7E2	0.072
2747	7621	Sisma X SLO	2.5	0	0	0	1.7E2	0.072	2748	7621	Sisma Y SLO	0	2.5	0	0	1.7E2	0.072
2749	7621	Sisma X SLD	2.1	0	0	0	1.7E2	0.072	2750	7621	Sisma Y SLD	0	2.1	0	0	1.7E2	0.072
2751	7622	Sisma X SLV	5.7	0	0	0	2.0E2	0.072	2752	7622	Sisma Y SLV	0	5.7	0	0	2.0E2	0.072
2753	7622	Sisma X SLO	3	0	0	0	2.0E2	0.072	2754	7622	Sisma Y SLO	0	3	0	0	2.0E2	0.072
2755	7622	Sisma X SLD	2.5	0	0	0	2.0E2	0.072	2756	7622	Sisma Y SLD	0	2.5	0	0	2.0E2	0.072
2757	7623	Sisma X SLV	5.3	0	0	0	1.8E2	0.072	2758	7623	Sisma Y SLV	0	5.3	0	0	1.8E2	0.072
2759	7623	Sisma X SLO	2.8	0	0	0	1.8E2	0.072	2760	7623	Sisma Y SLO	0	2.8	0	0	1.8E2	0.072
2761	7623	Sisma X SLD	2.3	0	0	0	1.8E2	0.072	2762	7623	Sisma Y SLD	0	2.3	0	0	1.8E2	0.072
2763	7624	Sisma X SLV	4.9	0	0	0	1.7E2	0.072	2764	7624	Sisma Y SLV	0	4.9	0	0	1.7E2	0.072
2765	7624	Sisma X SLO	2.6	0	0	0	1.7E2	0.072	2766	7624	Sisma Y SLO	0	2.6	0	0	1.7E2	0.072
2767	7624	Sisma X SLD	2.2	0	0	0	1.7E2	0.072	2768	7624	Sisma Y SLD	0	2.2	0	0	1.7E2	0.072
2769	7625	Sisma X SLV	4.5	0	0	0	1.6E2	0.072	2770	7625	Sisma Y SLV	0	4.5	0	0	1.6E2	0.072
2771	7625	Sisma X SLO	2.4	0	0	0	1.6E2	0.072	2772	7625	Sisma Y SLO	0	2.4	0	0	1.6E2	0.072
2773	7625	Sisma X SLD	2	0	0	0	1.6E2	0.072	2774	7625	Sisma Y SLD	0	2	0	0	1.6E2	0.072
2775	7626	Sisma X SLV	5.7	0	0	0	2.0E2	0.072	2776	7626	Sisma Y SLV	0	5.7	0	0	2.0E2	0.072
2777	7626	Sisma X SLO	3	0	0	0	2.0E2	0.072	2778	7626	Sisma Y SLO	0	3	0	0	2.0E2	0.072
2779	7626	Sisma X SLD	2.5	0	0	0	2.0E2	0.072	2780	7626	Sisma Y SLD	0	2.5	0	0	2.0E2	0.072
2781	7627	Sisma X SLV	2	0	0	0	6.9E1	0.072	2782	7627	Sisma Y SLV	0	2	0	0	6.9E1	0.072
2783	7627	Sisma X SLO	1.1	0	0	0	6.9E1	0.072	2784	7627	Sisma Y SLO	0	1.1	0	0	6.9E1	0.072
2785	7627	Sisma X SLD	0.9	0	0	0	6.9E1	0.072	2786	7627	Sisma Y SLD	0	0.9	0	0	6.9E1	0.072
2787	7628	Sisma X SLV	2.5	0	0	0	8.6E1	0.072	2788	7628	Sisma Y SLV	0	2.5	0	0	8.6E1	0.072
2789	7628	Sisma X SLO	1.3	0	0	0	8.6E1	0.072	2790	7628	Sisma Y SLO	0	1.3	0	0	8.6E1	0.072
2791	7628	Sisma X SLD	1.1	0	0	0	8.6E1	0.072	2792	7628	Sisma Y SLD	0	1.1	0	0	8.6E1	0.072
2793	7629	Sisma X SLV	5.2	0	0	0	1.8E2	0.072	2794	7629	Sisma Y SLV	0	5.2	0	0	1.8E2	0.072
2795	7629	Sisma X SLO	2.8	0	0	0	1.8E2	0.072	2796	7629	Sisma Y SLO	0	2.8	0	0	1.8E2	0.072
2797	7629	Sisma X SLD	2.3	0	0	0	1.8E2	0.072	2798	7629	Sisma Y SLD	0	2.3	0	0	1.8E2	0.072
2799	7630	Sisma X SLV	4.7	0	0	0	1.6E2	0.072	2800	7630	Sisma Y SLV	0	4.7	0	0	1.6E2	0.072
2801	7630	Sisma X SLO	2.5	0	0	0	1.6E2	0.072	2802	7630	Sisma Y SLO	0	2.5	0	0	1.6E2	0.072
2803	7630	Sisma X SLD	2.1	0	0	0	1.6E2	0.072	2804	7630	Sisma Y SLD	0	2.1	0	0	1.6E2	0.072
2805	7631	Sisma X SLV	4.7	0	0	0	1.6E2	0.072	2806	7631	Sisma Y SLV	0	4.7	0	0	1.6E2	0.072
2807	7631	Sisma X SLO	2.5	0	0	0	1.6E2	0.072	2808	7631	Sisma Y SLO	0	2.5	0	0	1.6E2	0.072
2809	7631	Sisma X SLD	2.1	0	0	0	1.6E2	0.072	2810	7631	Sisma Y SLD	0	2.1	0	0	1.6E2	0.072
2811	7632	Sisma X SLV	4.6	0	0	0	1.6E2	0.072	2812	7632	Sisma Y SLV	0	4.6	0	0	1.6E2	0.072
2813	7632	Sisma X SLO	2.5	0	0	0	1.6E2	0.072	2814	7632	Sisma Y SLO	0	2.5	0	0	1.6E2	0.072
2815	7632	Sisma X SLD	2	0	0	0	1.6E2	0.072	2816	7632	Sisma Y SLD	0	2	0	0	1.6E2	0.072
2817	7633	Sisma X SLV	4.6	0	0	0	1.6E2	0.072	2818	7633	Sisma Y SLV	0	4.6	0	0	1.6E2	0.072
2819	7633	Sisma X SLO	2.4	0	0	0	1.6E2	0.072	2820	7633	Sisma Y SLO	0	2.4	0	0	1.6E2	0.072
2821	7633	Sisma X SLD	2	0	0	0	1.6E2	0.072	2822	7633	Sisma Y SLD	0	2	0	0	1.6E2	0.072
2823	7634	Sisma X SLV	4.6	0	0	0	1.6E2	0.072	2824	7634	Sisma Y SLV	0	4.6	0	0	1.6E2	0.072
2825	7634	Sisma X SLO	2.4	0	0	0	1.6E2	0.072	2826	7634	Sisma Y SLO	0	2.4	0	0	1.6E2	0.072
2827	7634	Sisma X SLD	2	0	0	0	1.6E2	0.072	2828	7634	Sisma Y SLD	0	2	0	0	1.6E2	0.072
2829	7635	Sisma X SLV	4.5	0	0	0	1.6E2	0.072	2830	7635	Sisma Y SLV	0	4.5	0	0	1.6E2	0.072
2831	7635	Sisma X SLO	2.4	0	0	0	1.6E2	0.072	2832	7635	Sisma Y SLO	0	2.4	0	0	1.6E2	0.072
2833	7635	Sisma X SLD	2	0	0	0	1.6E2	0.072	2834	7635	Sisma Y SLD	0	2	0	0	1.6E2	0.072
2835	7636	Sisma X SLV	4.5	0	0	0	1.6E2	0.072	2836	7636	Sisma Y SLV	0	4.5	0	0	1.6E2	0.072
2837	7636	Sisma X SLO	2.4	0	0	0	1.6E2	0.072	2838	7636	Sisma Y SLO	0	2.4	0	0	1.6E2	0.072
2839	7636	Sisma X SLD	2	0	0	0	1.6E2	0.072	2840	7636	Sisma Y SLD	0	2	0	0	1.6E2	0.072
2841	7637	Sisma X SLV	4.4	0	0	0	1.5E2	0.072	2842	7637	Sisma Y SLV	0	4.4	0	0	1.5E2	0.072
2843	7637	Sisma X SLO	2.4	0	0	0	1.5E2	0.072	2844	7637	Sisma Y SLO	0	2.4	0	0	1.5E2	0.072
2845	7637	Sisma X SLD	2	0	0	0	1.5E2	0.072	2846	7637	Sisma Y SLD	0	2	0	0	1.5E2	0.072
2847	7638	Sisma X SLV	4.8	0	0	0	1.7E2	0.072	2848	7638	Sisma Y SLV	0	4.8	0	0	1.7E2	0.072
2849	7638	Sisma X SLO	2.6	0	0	0	1.7E2	0.072	2850	7638	Sisma Y SLO	0	2.6	0	0	1.7E2	0.072
2851	7638	Sisma X SLD	2.1	0	0	0	1.7E2	0.072	2852	7638	Sisma Y SLD	0	2.1	0	0	1.7E2	0.072
2853	7639	Sisma X SLV	4.4	0	0	0	1.5E2	0.072	2854	7639	Sisma Y SLV	0	4.4	0	0	1.5E2	0.072
2855	7639	Sisma X SLO	2.4	0	0	0	1.5E2	0.072	2856	7639	Sisma Y SLO	0	2.4	0	0	1.5E2	0.072
2857	7639	Sisma X SLD	2	0	0	0	1.5E2	0.072	2858	7639	Sisma Y SLD	0	2	0	0	1.5E2	0.072
2859	7640	Sisma X SLV	4.4	0	0	0	1.5E2	0.072	2860	7640	Sisma Y SLV	0	4.4	0	0	1.5E2	0.072
2861	7640	Sisma X SLO	2.3	0	0	0	1.5E2	0.072	2862	7640	Sisma Y SLO	0	2.3	0	0	1.5E2	0.072
2863	7640	Sisma X SLD	1.9	0	0	0	1.5E2	0.072	2864	7640	Sisma Y SLD	0	1.9	0	0	1.5E2	0.072
2865	7641	Sisma X SLV	4.4	0	0	0	1.5E2	0.072	2866	7641	Sisma Y SLV	0	4.4	0	0	1.5E2	0.072
2867	7641	Sisma X SLO	2.3	0	0	0	1.5E2	0.072	2868	7641	Sisma Y SLO	0	2.3	0	0	1.5E2	0.072
2869	7641	Sisma X SLD	1.9	0	0	0	1.5E2	0.072	2870	7641	Sisma Y SLD	0	1.9	0	0	1.5E2	0.072
2871	7642	Sisma X SLV	4.8	0	0	0	1.7E2	0.072	2872	7642	Sisma Y SLV	0	4.8	0	0	1.7E2	0.072
2873	7642	Sisma X SLO	2.6	0	0	0	1.7E2	0.072	2874	7642	Sisma Y SLO	0	2.6	0	0	1.7E2	0.072
2875	7642	Sisma X SLD	2.1	0	0	0	1.7E2	0.072	2876	7642	Sisma Y SLD	0	2.1	0	0	1.7E2	0.072
2877	7643	Sisma X SLV	4.5	0	0	0	1.6E2	0.072	2878	7643	Sisma Y SLV	0	4.5	0	0	1.6E2	0.072
2879	7643	Sisma X SLO	2.4	0	0	0	1.6E2	0.072	2880	7643	Sisma Y SLO	0	2.4	0	0	1.6E2	0.072
2881	7643	Sisma X SLD	2	0	0	0	1.6E2	0.072	2882	7643	Sisma Y SLD	0	2	0	0	1.6E2	0.072
2883	7644	Sisma X SLV	4.7	0	0	0	1.6E2	0.072	2884	7644	Sisma Y SLV	0	4.7	0	0	1.6E2	0.072
2885	7644	Sisma X SLO	2.5	0	0	0	1.6E2	0.072	2886	7644	Sisma Y SLO	0	2.5	0	0	1.6E2	0.072
2887	7644	Sisma X SLD	2.1	0	0	0	1.6E2	0.072	2888	7644	Sisma Y SLD	0	2.1	0	0	1.6E2	0.072
2889	7645	Sisma X SLV	4.8	0	0	0	1.7E2	0.072	2890	7645	Sisma Y SLV	0	4.8	0	0	1.7E2	0.072
2891	7645	Sisma X SLO	2.5	0	0	0	1.7E2	0.072	2892	7645	Sisma Y SLO	0	2.5	0	0	1.7E2	0.072
2893	7645	Sisma X SLD	2.1	0	0	0	1.7E2	0.072	2894	7645	Sisma Y SLD	0	2.1	0	0	1.7E2	0.072
2895	7646	Sisma X SLV	3.3	0	0	0	1.1E2	0.072	2896	7646	Sisma Y SLV	0	3.3	0	0	1.1E2	0.072
2897	7646	Sisma X SLO	1.8	0	0	0	1.1E2	0.072	2898	7646	Sisma Y SLO	0	1.8	0	0	1.1E2	0.072
2899	7646	Sisma X SLD	1.5	0	0	0	1.1E2	0.072	2900	7646	Sisma Y SLD	0	1.5	0	0	1.1E2	0.072
2901	7647	Sisma X SLV	4.5	0	0	0	1.5E2	0.073	2902	7647	Sisma Y SLV	0	4.5	0	0	1.5E2	0.073
2903	7647	Sisma X SLO	2.4	0	0	0	1.5E2	0.073	2904	7647	Sisma Y SLO	0	2.4	0	0	1.5E2	0.073
2905	7647	Sisma X SLD	2	0	0	0	1.5E2	0.073	2906	7647	Sisma Y SLD	0	2	0	0	1.5E2	0.073
2907	7648	Sisma X SLV	2.2	0	0	0	7.7E1	0.074	2908	7648	Sisma Y SLV	0	2.2	0	0	7.7E1	0.074
2909	7648	Sisma X SLO	1.2	0	0	0	7.7E1	0.074	2910	7648	Sisma Y SLO	0	1.2	0	0	7.7E1	0.074
2911	7648	Sisma X SLD	1	0	0	0	7.7E1	0.074	2912	7648	Sisma Y SLD	0	1	0	0	7.7E1	0.074

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
2913	7649	Sisma X SLV	5	0	0	0	1.7E2	0.074	2914	7649	Sisma Y SLV	0	5	0	0	1.7E2	0.074
2915	7649	Sisma X SLO	2.7	0	0	0	1.7E2	0.074	2916	7649	Sisma Y SLO	0	2.7	0	0	1.7E2	0.074
2917	7649	Sisma X SLD	2.2	0	0	0	1.7E2	0.074	2918	7649	Sisma Y SLD	0	2.2	0	0	1.7E2	0.074
2919	7650	Sisma X SLV	4.2	0	0	0	1.4E2	0.074	2920	7650	Sisma Y SLV	0	4.2	0	0	1.4E2	0.074
2921	7650	Sisma X SLO	2.2	0	0	0	1.4E2	0.074	2922	7650	Sisma Y SLO	0	2.2	0	0	1.4E2	0.074
2923	7650	Sisma X SLD	1.8	0	0	0	1.4E2	0.074	2924	7650	Sisma Y SLD	0	1.8	0	0	1.4E2	0.074
2925	7651	Sisma X SLV	4.8	0	0	0	1.6E2	0.076	2926	7651	Sisma Y SLV	0	4.8	0	0	1.6E2	0.076
2927	7651	Sisma X SLO	2.5	0	0	0	1.6E2	0.076	2928	7651	Sisma Y SLO	0	2.5	0	0	1.6E2	0.076
2929	7651	Sisma X SLD	2.1	0	0	0	1.6E2	0.076	2930	7651	Sisma Y SLD	0	2.1	0	0	1.6E2	0.076
2931	7652	Sisma X SLV	4.6	0	0	0	1.5E2	0.076	2932	7652	Sisma Y SLV	0	4.6	0	0	1.5E2	0.076
2933	7652	Sisma X SLO	2.5	0	0	0	1.5E2	0.076	2934	7652	Sisma Y SLO	0	2.5	0	0	1.5E2	0.076
2935	7652	Sisma X SLD	2	0	0	0	1.5E2	0.076	2936	7652	Sisma Y SLD	0	2	0	0	1.5E2	0.076
2937	7653	Sisma X SLV	4.9	0	0	0	1.6E2	0.076	2938	7653	Sisma Y SLV	0	4.9	0	0	1.6E2	0.076
2939	7653	Sisma X SLO	2.6	0	0	0	1.6E2	0.076	2940	7653	Sisma Y SLO	0	2.6	0	0	1.6E2	0.076
2941	7653	Sisma X SLD	2.2	0	0	0	1.6E2	0.076	2942	7653	Sisma Y SLD	0	2.2	0	0	1.6E2	0.076
2943	7654	Sisma X SLV	4.7	0	0	0	1.5E2	0.077	2944	7654	Sisma Y SLV	0	4.7	0	0	1.5E2	0.077
2945	7654	Sisma X SLO	2.5	0	0	0	1.5E2	0.077	2946	7654	Sisma Y SLO	0	2.5	0	0	1.5E2	0.077
2947	7654	Sisma X SLD	2.1	0	0	0	1.5E2	0.077	2948	7654	Sisma Y SLD	0	2.1	0	0	1.5E2	0.077
2949	7655	Sisma X SLV	5.3	0	0	0	1.7E2	0.077	2950	7655	Sisma Y SLV	0	5.3	0	0	1.7E2	0.077
2951	7655	Sisma X SLO	2.8	0	0	0	1.7E2	0.077	2952	7655	Sisma Y SLO	0	2.8	0	0	1.7E2	0.077
2953	7655	Sisma X SLD	2.4	0	0	0	1.7E2	0.077	2954	7655	Sisma Y SLD	0	2.4	0	0	1.7E2	0.077
2955	7656	Sisma X SLV	5	0	0	0	1.6E2	0.077	2956	7656	Sisma Y SLV	0	5	0	0	1.6E2	0.077
2957	7656	Sisma X SLO	2.7	0	0	0	1.6E2	0.077	2958	7656	Sisma Y SLO	0	2.7	0	0	1.6E2	0.077
2959	7656	Sisma X SLD	2.2	0	0	0	1.6E2	0.077	2960	7656	Sisma Y SLD	0	2.2	0	0	1.6E2	0.077
2961	7657	Sisma X SLV	4.5	0	0	0	1.4E2	0.077	2962	7657	Sisma Y SLV	0	4.5	0	0	1.4E2	0.077
2963	7657	Sisma X SLO	2.4	0	0	0	1.4E2	0.077	2964	7657	Sisma Y SLO	0	2.4	0	0	1.4E2	0.077
2965	7657	Sisma X SLD	2	0	0	0	1.4E2	0.077	2966	7657	Sisma Y SLD	0	2	0	0	1.4E2	0.077
2967	7658	Sisma X SLV	2.3	0	0	0	7.0E1	0.083	2968	7658	Sisma Y SLV	0	2.3	0	0	7.0E1	0.083
2969	7658	Sisma X SLO	1.3	0	0	0	7.0E1	0.083	2970	7658	Sisma Y SLO	0	1.3	0	0	7.0E1	0.083
2971	7658	Sisma X SLD	1	0	0	0	7.0E1	0.083	2972	7658	Sisma Y SLD	0	1	0	0	7.0E1	0.083
2973	7659	Sisma X SLV	2.4	0	0	0	7.0E1	0.085	2974	7659	Sisma Y SLV	0	2.4	0	0	7.0E1	0.085
2975	7659	Sisma X SLO	1.3	0	0	0	7.0E1	0.085	2976	7659	Sisma Y SLO	0	1.3	0	0	7.0E1	0.085
2977	7659	Sisma X SLD	1	0	0	0	7.0E1	0.085	2978	7659	Sisma Y SLD	0	1	0	0	7.0E1	0.085
2979	7660	Sisma X SLV	5.2	0	0	0	1.5E2	0.088	2980	7660	Sisma Y SLV	0	5.2	0	0	1.5E2	0.088
2981	7660	Sisma X SLO	2.8	0	0	0	1.5E2	0.088	2982	7660	Sisma Y SLO	0	2.8	0	0	1.5E2	0.088
2983	7660	Sisma X SLD	2.3	0	0	0	1.5E2	0.088	2984	7660	Sisma Y SLD	0	2.3	0	0	1.5E2	0.088
2985	7661	Sisma X SLV	2.4	0	0	0	7.0E1	0.088	2986	7661	Sisma Y SLV	0	2.4	0	0	7.0E1	0.088
2987	7661	Sisma X SLO	1.3	0	0	0	7.0E1	0.088	2988	7661	Sisma Y SLO	0	1.3	0	0	7.0E1	0.088
2989	7661	Sisma X SLD	1.1	0	0	0	7.0E1	0.088	2990	7661	Sisma Y SLD	0	1.1	0	0	7.0E1	0.088
2991	7662	Sisma X SLV	2.7	0	0	0	7.6E1	0.088	2992	7662	Sisma Y SLV	0	2.7	0	0	7.6E1	0.088
2993	7662	Sisma X SLO	1.4	0	0	0	7.6E1	0.088	2994	7662	Sisma Y SLO	0	1.4	0	0	7.6E1	0.088
2995	7662	Sisma X SLD	1.2	0	0	0	7.6E1	0.088	2996	7662	Sisma Y SLD	0	1.2	0	0	7.6E1	0.088
2997	7663	Sisma X SLV	2.5	0	0	0	6.6E1	0.096	2998	7663	Sisma Y SLV	0	2.5	0	0	6.6E1	0.096
2999	7663	Sisma X SLO	1.3	0	0	0	6.6E1	0.096	3000	7663	Sisma Y SLO	0	1.3	0	0	6.6E1	0.096
3001	7663	Sisma X SLD	1.1	0	0	0	6.6E1	0.096	3002	7663	Sisma Y SLD	0	1.1	0	0	6.6E1	0.096
3003	7664	Sisma X SLV	2.3	0	0	0	5.3E1	0.106	3004	7664	Sisma Y SLV	0	2.3	0	0	5.3E1	0.106
3005	7664	Sisma X SLO	1.2	0	0	0	5.3E1	0.106	3006	7664	Sisma Y SLO	0	1.2	0	0	5.3E1	0.106
3007	7664	Sisma X SLD	1	0	0	0	5.3E1	0.106	3008	7664	Sisma Y SLD	0	1	0	0	5.3E1	0.106
3009	7665	Sisma X SLV	2.7	0	0	0	6.1E1	0.111	3010	7665	Sisma Y SLV	0	2.7	0	0	6.1E1	0.111
3011	7665	Sisma X SLO	1.4	0	0	0	6.1E1	0.111	3012	7665	Sisma Y SLO	0	1.4	0	0	6.1E1	0.111
3013	7665	Sisma X SLD	1.2	0	0	0	6.1E1	0.111	3014	7665	Sisma Y SLD	0	1.2	0	0	6.1E1	0.111
3015	7666	Sisma X SLV	1.7	0	0	0	38.7	0.111	3016	7666	Sisma Y SLV	0	1.7	0	0	38.7	0.111
3017	7666	Sisma X SLO	0.9	0	0	0	38.7	0.111	3018	7666	Sisma Y SLO	0	0.9	0	0	38.7	0.111
3019	7666	Sisma X SLD	0.8	0	0	0	38.7	0.111	3020	7666	Sisma Y SLD	0	0.8	0	0	38.7	0.111
3021	7667	Sisma X SLV	1.6	0	0	0	3.7E1	0.112	3022	7667	Sisma Y SLV	0	1.6	0	0	3.7E1	0.112
3023	7667	Sisma X SLO	0.9	0	0	0	3.7E1	0.112	3024	7667	Sisma Y SLO	0	0.9	0	0	3.7E1	0.112
3025	7667	Sisma X SLD	0.7	0	0	0	3.7E1	0.112	3026	7667	Sisma Y SLD	0	0.7	0	0	3.7E1	0.112
3027	7668	Sisma X SLV	1.9	0	0	0	4.2E1	0.112	3028	7668	Sisma Y SLV	0	1.9	0	0	4.2E1	0.112
3029	7668	Sisma X SLO	1	0	0	0	4.2E1	0.112	3030	7668	Sisma Y SLO	0	1	0	0	4.2E1	0.112
3031	7668	Sisma X SLD	0.8	0	0	0	4.2E1	0.112	3032	7668	Sisma Y SLD	0	0.8	0	0	4.2E1	0.112
3033	7669	Sisma X SLV	1.7	0	0	0	3.8E1	0.113	3034	7669	Sisma Y SLV	0	1.7	0	0	3.8E1	0.113
3035	7669	Sisma X SLO	0.9	0	0	0	3.8E1	0.113	3036	7669	Sisma Y SLO	0	0.9	0	0	3.8E1	0.113
3037	7669	Sisma X SLD	0.8	0	0	0	3.8E1	0.113	3038	7669	Sisma Y SLD	0	0.8	0	0	3.8E1	0.113
3039	7670	Sisma X SLV	1.9	0	0	0	4.2E1	0.113	3040	7670	Sisma Y SLV	0	1.9	0	0	4.2E1	0.113
3041	7670	Sisma X SLO	1	0	0	0	4.2E1	0.113	3042	7670	Sisma Y SLO	0	1	0	0	4.2E1	0.113
3043	7670	Sisma X SLD	0.8	0	0	0	4.2E1	0.113	3044	7670	Sisma Y SLD	0	0.8	0	0	4.2E1	0.113
3045	7671	Sisma X SLV	1.6	0	0	0	3.5E1	0.113	3046	7671	Sisma Y SLV	0	1.6	0	0	3.5E1	0.113
3047	7671	Sisma X SLO	0.8	0	0	0	3.5E1	0.113	3048	7671	Sisma Y SLO	0	0.8	0	0	3.5E1	0.113
3049	7671	Sisma X SLD	0.7	0	0	0	3.5E1	0.113	3050	7671	Sisma Y SLD	0	0.7	0	0	3.5E1	0.113
3051	7672	Sisma X SLV	1.8	0	0	0	4.0E1	0.113	3052	7672	Sisma Y SLV	0	1.8	0	0	4.0E1	0.113
3053	7672	Sisma X SLO	1	0	0	0	4.0E1	0.113	3054	7672	Sisma Y SLO	0	1	0	0	4.0E1	0.113
3055	7672	Sisma X SLD	0.8	0	0	0	4.0E1	0.113	3056	7672	Sisma Y SLD	0	0.8	0	0	4.0E1	0.113
3057	7673	Sisma X SLV	2.3	0	0	0	5.0E1	0.113	3058	7673	Sisma Y SLV	0	2.3	0	0	5.0E1	0.113
3059	7673	Sisma X SLO	1.2	0	0	0	5.0E1	0.113	3060	7673	Sisma Y SLO	0	1.2	0	0	5.0E1	0.113
3061	7673	Sisma X SLD	1	0	0	0	5.0E1	0.113	3062	7673	Sisma Y SLD	0	1	0	0	5.0E1	0.113
3063	7674	Sisma X SLV	1.9	0	0	0	4.1E1	0.114	3064	7674	Sisma Y SLV	0	1.9	0	0	4.1E1	0.114
3065	7674	Sisma X SLO	1	0	0	0	4.1E1	0.114	3066	7674	Sisma Y SLO	0	1	0	0	4.1E1	0.114
3067	7674	Sisma X SLD	0.8	0	0	0	4.1E1	0.114	3068	7674	Sisma Y SLD	0	0.8	0	0	4.1E1	0.114
3069	7675	Sisma X SLV	2.4	0	0	0	5.2E1	0.115	3070	7675	Sisma Y SLV	0	2.4	0	0	5.2E1	0.115
3071	7675	Sisma X SLO	1.3	0	0	0	5.2E1	0.115	3072	7675	Sisma Y SLO	0	1.3	0	0	5.2E1	0.115
3073	7675	Sisma X SLD	1	0	0	0	5.2E1	0.115	3074	7675	Sisma Y SLD	0	1	0	0	5.2E1	0.115
3075	7676	Sisma X SLV	2.8	0	0	0	5.3E1	0.133	3076	7676	Sisma Y SLV	0	2.8	0	0	5.3E1	0.133
3077	7676	Sisma X SLO	1.5	0	0	0	5.3E1	0.133	3078	7676	Sisma Y SLO	0	1.5	0	0	5.3E1	0.133
3079	7676	Sisma X SLD	1.2	0	0	0	5.3E1	0.133	3080	7676	Sisma Y SLD	0	1.2	0	0	5.3E1	0.133
3081	7677	Sisma X SLV	2.8	0	0	0	5.3E1	0.133	3082	7677	Sisma Y SLV	0	2.8	0	0	5.3E1	0.133
3083	7677	Sisma X SLO	1.5	0	0	0	5.3E1	0.133	3084	7677	Sisma Y SLO	0	1.5	0	0	5.3E1	0.133
3085	7677	Sisma X SLD	1.2	0	0	0	5.3E1	0.133	3086	7677	Sisma Y SLD	0	1.2	0	0	5.3E1	0.133
3087	7678	Sisma X SLV	4.2	0	0	0	8.0E1	0.133	3088	7678	Sisma Y SLV	0	4.2	0	0	8.0E1	0.133
3089	7678	Sisma X SLO	2.3	0	0	0	8.0E1	0.133	3090	7678	Sisma Y SLO	0	2.3	0	0	8.0E1	0.133
3091	7678	Sisma X SLD	1.9	0	0	0	8.0E1	0.133	3092	7678	Sisma Y SLD	0	1.9	0	0	8.0E1	0.133
3093	7679	Sisma X SLV	10.4	0	0	0	2.0E2	0.133	3094	7679	Sisma Y SLV	0	10.4	0	0	2.0E2	0.133
3095	7679	Sisma X SLO	5.5	0	0	0	2.0E2	0.133	3096	7679	Sisma Y SLO	0	5.5	0	0	2.0E2	0.133
3097	7679	Sisma X SLD	4.6	0	0	0	2.0E2	0.133	3098	7679	Sisma Y SLD	0	4.6	0	0	2.0E2	0.133
3099	7680	Sisma X SLV	3.8	0	0	0	7.0E1	0.135	3100	7680	Sisma Y SLV	0	3.8	0	0	7.0E1	0.135
3101	7680	Sisma X SLO	2	0	0	0	7.0E1	0.135	3102	7680	Sisma Y SLO	0	2	0	0	7.0E1	0.135
3103	7680	Sisma X SLD	1.7	0	0	0	7.0E1	0.135	3104	7680	Sisma Y SLD	0	1.7	0	0	7.0E1	0.135
3105	7681	Sisma X SLV	5.3	0	0	0	9.9E1	0.135	3106	7681	Sisma Y SLV	0	5.3	0	0	9.9E1	0.135
3107	7681	Sisma X SLO	2.8	0	0	0	9.9E1	0.135	3108	7681	Sisma Y SLO	0	2.8	0	0	9.9E1	0.135
3109	7681	Sisma X SLD	2.4	0	0	0	9.9E1	0.135	3110	7681	Sisma Y SLD	0	2.4	0	0	9.9E1	0.135
3111	7682	Sisma X SLV	8.6	0	0	0	1.6E2	0.136	3112	7682	Sisma Y SLV	0	8.6	0	0	1.6E2	0.136

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
3113	7682	Sisma X SLO	4.6	0	0	0	1.6E2	0.136	3114	7682	Sisma Y SLO	0	4.6	0	0	1.6E2	0.136
3115	7682	Sisma X SLD	3.8	0	0	0	1.6E2	0.136	3116	7682	Sisma Y SLD	0	3.8	0	0	1.6E2	0.136
3117	7683	Sisma X SLV	7.8	0	0	0	1.4E2	0.136	3118	7683	Sisma Y SLV	0	7.8	0	0	1.4E2	0.136
3119	7683	Sisma X SLO	4.2	0	0	0	1.4E2	0.136	3120	7683	Sisma Y SLO	0	4.2	0	0	1.4E2	0.136
3121	7683	Sisma X SLD	3.5	0	0	0	1.4E2	0.136	3122	7683	Sisma Y SLD	0	3.5	0	0	1.4E2	0.136
3123	7684	Sisma X SLV	4.7	0	0	0	8.6E1	0.136	3124	7684	Sisma Y SLV	0	4.7	0	0	8.6E1	0.136
3125	7684	Sisma X SLO	2.5	0	0	0	8.6E1	0.136	3126	7684	Sisma Y SLO	0	2.5	0	0	8.6E1	0.136
3127	7684	Sisma X SLD	2.1	0	0	0	8.6E1	0.136	3128	7684	Sisma Y SLD	0	2.1	0	0	8.6E1	0.136
3129	7685	Sisma X SLV	8.5	0	0	0	1.6E2	0.137	3130	7685	Sisma Y SLV	0	8.5	0	0	1.6E2	0.137
3131	7685	Sisma X SLO	4.5	0	0	0	1.6E2	0.137	3132	7685	Sisma Y SLO	0	4.5	0	0	1.6E2	0.137
3133	7685	Sisma X SLD	3.8	0	0	0	1.6E2	0.137	3134	7685	Sisma Y SLD	0	3.8	0	0	1.6E2	0.137
3135	7686	Sisma X SLV	7.9	0	0	0	1.4E2	0.137	3136	7686	Sisma Y SLV	0	7.9	0	0	1.4E2	0.137
3137	7686	Sisma X SLO	4.2	0	0	0	1.4E2	0.137	3138	7686	Sisma Y SLO	0	4.2	0	0	1.4E2	0.137
3139	7686	Sisma X SLD	3.5	0	0	0	1.4E2	0.137	3140	7686	Sisma Y SLD	0	3.5	0	0	1.4E2	0.137
3141	7687	Sisma X SLV	8.3	0	0	0	1.5E2	0.137	3142	7687	Sisma Y SLV	0	8.3	0	0	1.5E2	0.137
3143	7687	Sisma X SLO	4.4	0	0	0	1.5E2	0.137	3144	7687	Sisma Y SLO	0	4.4	0	0	1.5E2	0.137
3145	7687	Sisma X SLD	3.7	0	0	0	1.5E2	0.137	3146	7687	Sisma Y SLD	0	3.7	0	0	1.5E2	0.137
3147	7688	Sisma X SLV	8.2	0	0	0	1.5E2	0.137	3148	7688	Sisma Y SLV	0	8.2	0	0	1.5E2	0.137
3149	7688	Sisma X SLO	4.4	0	0	0	1.5E2	0.137	3150	7688	Sisma Y SLO	0	4.4	0	0	1.5E2	0.137
3151	7688	Sisma X SLD	3.6	0	0	0	1.5E2	0.137	3152	7688	Sisma Y SLD	0	3.6	0	0	1.5E2	0.137
3153	7689	Sisma X SLV	7.8	0	0	0	1.4E2	0.137	3154	7689	Sisma Y SLV	0	7.8	0	0	1.4E2	0.137
3155	7689	Sisma X SLO	4.2	0	0	0	1.4E2	0.137	3156	7689	Sisma Y SLO	0	4.2	0	0	1.4E2	0.137
3157	7689	Sisma X SLD	3.5	0	0	0	1.4E2	0.137	3158	7689	Sisma Y SLD	0	3.5	0	0	1.4E2	0.137
3159	7690	Sisma X SLV	8.7	0	0	0	1.6E2	0.138	3160	7690	Sisma Y SLV	0	8.7	0	0	1.6E2	0.138
3161	7690	Sisma X SLO	4.7	0	0	0	1.6E2	0.138	3162	7690	Sisma Y SLO	0	4.7	0	0	1.6E2	0.138
3163	7690	Sisma X SLD	3.9	0	0	0	1.6E2	0.138	3164	7690	Sisma Y SLD	0	3.9	0	0	1.6E2	0.138
3165	7691	Sisma X SLV	7.6	0	0	0	1.4E2	0.138	3166	7691	Sisma Y SLV	0	7.6	0	0	1.4E2	0.138
3167	7691	Sisma X SLO	4.1	0	0	0	1.4E2	0.138	3168	7691	Sisma Y SLO	0	4.1	0	0	1.4E2	0.138
3169	7691	Sisma X SLD	3.4	0	0	0	1.4E2	0.138	3170	7691	Sisma Y SLD	0	3.4	0	0	1.4E2	0.138
3171	7692	Sisma X SLV	8.4	0	0	0	1.5E2	0.138	3172	7692	Sisma Y SLV	0	8.4	0	0	1.5E2	0.138
3173	7692	Sisma X SLO	4.5	0	0	0	1.5E2	0.138	3174	7692	Sisma Y SLO	0	4.5	0	0	1.5E2	0.138
3175	7692	Sisma X SLD	3.7	0	0	0	1.5E2	0.138	3176	7692	Sisma Y SLD	0	3.7	0	0	1.5E2	0.138
3177	7693	Sisma X SLV	7.4	0	0	0	1.3E2	0.138	3178	7693	Sisma Y SLV	0	7.4	0	0	1.3E2	0.138
3179	7693	Sisma X SLO	4	0	0	0	1.3E2	0.138	3180	7693	Sisma Y SLO	0	4	0	0	1.3E2	0.138
3181	7693	Sisma X SLD	3.3	0	0	0	1.3E2	0.138	3182	7693	Sisma Y SLD	0	3.3	0	0	1.3E2	0.138
3183	7694	Sisma X SLV	7.9	0	0	0	1.4E2	0.138	3184	7694	Sisma Y SLV	0	7.9	0	0	1.4E2	0.138
3185	7694	Sisma X SLO	4.2	0	0	0	1.4E2	0.138	3186	7694	Sisma Y SLO	0	4.2	0	0	1.4E2	0.138
3187	7694	Sisma X SLD	3.5	0	0	0	1.4E2	0.138	3188	7694	Sisma Y SLD	0	3.5	0	0	1.4E2	0.138
3189	7695	Sisma X SLV	7.7	0	0	0	1.4E2	0.138	3190	7695	Sisma Y SLV	0	7.7	0	0	1.4E2	0.138
3191	7695	Sisma X SLO	4.1	0	0	0	1.4E2	0.138	3192	7695	Sisma Y SLO	0	4.1	0	0	1.4E2	0.138
3193	7695	Sisma X SLD	3.4	0	0	0	1.4E2	0.138	3194	7695	Sisma Y SLD	0	3.4	0	0	1.4E2	0.138
3195	7696	Sisma X SLV	7	0	0	0	1.3E2	0.138	3196	7696	Sisma Y SLV	0	7	0	0	1.3E2	0.138
3197	7696	Sisma X SLO	3.7	0	0	0	1.3E2	0.138	3198	7696	Sisma Y SLO	0	3.7	0	0	1.3E2	0.138
3199	7696	Sisma X SLD	3.1	0	0	0	1.3E2	0.138	3200	7696	Sisma Y SLD	0	3.1	0	0	1.3E2	0.138
3201	7697	Sisma X SLV	10.7	0	0	0	1.9E2	0.139	3202	7697	Sisma Y SLV	0	10.7	0	0	1.9E2	0.139
3203	7697	Sisma X SLO	5.7	0	0	0	1.9E2	0.139	3204	7697	Sisma Y SLO	0	5.7	0	0	1.9E2	0.139
3205	7697	Sisma X SLD	4.7	0	0	0	1.9E2	0.139	3206	7697	Sisma Y SLD	0	4.7	0	0	1.9E2	0.139
3207	7698	Sisma X SLV	6.2	0	0	0	1.1E2	0.139	3208	7698	Sisma Y SLV	0	6.2	0	0	1.1E2	0.139
3209	7698	Sisma X SLO	3.3	0	0	0	1.1E2	0.139	3210	7698	Sisma Y SLO	0	3.3	0	0	1.1E2	0.139
3211	7698	Sisma X SLD	2.7	0	0	0	1.1E2	0.139	3212	7698	Sisma Y SLD	0	2.7	0	0	1.1E2	0.139
3213	7699	Sisma X SLV	4.4	0	0	0	7.9E1	0.139	3214	7699	Sisma Y SLV	0	4.4	0	0	7.9E1	0.139
3215	7699	Sisma X SLO	2.3	0	0	0	7.9E1	0.139	3216	7699	Sisma Y SLO	0	2.3	0	0	7.9E1	0.139
3217	7699	Sisma X SLD	1.9	0	0	0	7.9E1	0.139	3218	7699	Sisma Y SLD	0	1.9	0	0	7.9E1	0.139
3219	7700	Sisma X SLV	9.4	0	0	0	1.7E2	0.139	3220	7700	Sisma Y SLV	0	9.4	0	0	1.7E2	0.139
3221	7700	Sisma X SLO	5	0	0	0	1.7E2	0.139	3222	7700	Sisma Y SLO	0	5	0	0	1.7E2	0.139
3223	7700	Sisma X SLD	4.2	0	0	0	1.7E2	0.139	3224	7700	Sisma Y SLD	0	4.2	0	0	1.7E2	0.139
3225	7701	Sisma X SLV	5.8	0	0	0	1.0E2	0.139	3226	7701	Sisma Y SLV	0	5.8	0	0	1.0E2	0.139
3227	7701	Sisma X SLO	3.1	0	0	0	1.0E2	0.139	3228	7701	Sisma Y SLO	0	3.1	0	0	1.0E2	0.139
3229	7701	Sisma X SLD	2.6	0	0	0	1.0E2	0.139	3230	7701	Sisma Y SLD	0	2.6	0	0	1.0E2	0.139
3231	7702	Sisma X SLV	2.9	0	0	0	5.2E1	0.139	3232	7702	Sisma Y SLV	0	2.9	0	0	5.2E1	0.139
3233	7702	Sisma X SLO	1.5	0	0	0	5.2E1	0.139	3234	7702	Sisma Y SLO	0	1.5	0	0	5.2E1	0.139
3235	7702	Sisma X SLD	1.3	0	0	0	5.2E1	0.139	3236	7702	Sisma Y SLD	0	1.3	0	0	5.2E1	0.139
3237	7703	Sisma X SLV	4.2	0	0	0	7.6E1	0.139	3238	7703	Sisma Y SLV	0	4.2	0	0	7.6E1	0.139
3239	7703	Sisma X SLO	2.2	0	0	0	7.6E1	0.139	3240	7703	Sisma Y SLO	0	2.2	0	0	7.6E1	0.139
3241	7703	Sisma X SLD	1.9	0	0	0	7.6E1	0.139	3242	7703	Sisma Y SLD	0	1.9	0	0	7.6E1	0.139
3243	7704	Sisma X SLV	4.3	0	0	0	7.7E1	0.139	3244	7704	Sisma Y SLV	0	4.3	0	0	7.7E1	0.139
3245	7704	Sisma X SLO	2.3	0	0	0	7.7E1	0.139	3246	7704	Sisma Y SLO	0	2.3	0	0	7.7E1	0.139
3247	7704	Sisma X SLD	1.9	0	0	0	7.7E1	0.139	3248	7704	Sisma Y SLD	0	1.9	0	0	7.7E1	0.139
3249	7705	Sisma X SLV	3.5	0	0	0	6.3E1	0.139	3250	7705	Sisma Y SLV	0	3.5	0	0	6.3E1	0.139
3251	7705	Sisma X SLO	1.9	0	0	0	6.3E1	0.139	3252	7705	Sisma Y SLO	0	1.9	0	0	6.3E1	0.139
3253	7705	Sisma X SLD	1.5	0	0	0	6.3E1	0.139	3254	7705	Sisma Y SLD	0	1.5	0	0	6.3E1	0.139
3255	7706	Sisma X SLV	3.6	0	0	0	6.5E1	0.139	3256	7706	Sisma Y SLV	0	3.6	0	0	6.5E1	0.139
3257	7706	Sisma X SLO	1.9	0	0	0	6.5E1	0.139	3258	7706	Sisma Y SLO	0	1.9	0	0	6.5E1	0.139
3259	7706	Sisma X SLD	1.6	0	0	0	6.5E1	0.139	3260	7706	Sisma Y SLD	0	1.6	0	0	6.5E1	0.139
3261	7707	Sisma X SLV	3.7	0	0	0	6.7E1	0.139	3262	7707	Sisma Y SLV	0	3.7	0	0	6.7E1	0.139
3263	7707	Sisma X SLO	2	0	0	0	6.7E1	0.139	3264	7707	Sisma Y SLO	0	2	0	0	6.7E1	0.139
3265	7707	Sisma X SLD	1.6	0	0	0	6.7E1	0.139	3266	7707	Sisma Y SLD	0	1.6	0	0	6.7E1	0.139
3267	7708	Sisma X SLV	4.1	0	0	0	7.5E1	0.139	3268	7708	Sisma Y SLV	0	4.1	0	0	7.5E1	0.139
3269	7708	Sisma X SLO	2.2	0	0	0	7.5E1	0.139	3270	7708	Sisma Y SLO	0	2.2	0	0	7.5E1	0.139
3271	7708	Sisma X SLD	1.8	0	0	0	7.5E1	0.139	3272	7708	Sisma Y SLD	0	1.8	0	0	7.5E1	0.139
3273	7709	Sisma X SLV	3.9	0	0	0	7.1E1	0.139	3274	7709	Sisma Y SLV	0	3.9	0	0	7.1E1	0.139
3275	7709	Sisma X SLO	2.1	0	0	0	7.1E1	0.139	3276	7709	Sisma Y SLO	0	2.1	0	0	7.1E1	0.139
3277	7709	Sisma X SLD	1.7	0	0	0	7.1E1	0.139	3278	7709	Sisma Y SLD	0	1.7	0	0	7.1E1	0.139
3279	7710	Sisma X SLV	4.5	0	0	0	8.1E1	0.139	3280	7710	Sisma Y SLV	0	4.5	0	0	8.1E1	0.139
3281	7710	Sisma X SLO	2.4	0	0	0	8.1E1	0.139	3282	7710	Sisma Y SLO	0	2.4	0	0	8.1E1	0.139
3283	7710	Sisma X SLD	2	0	0	0	8.1E1	0.139	3284	7710	Sisma Y SLD	0	2	0	0	8.1E1	0.139
3285	7711	Sisma X SLV	3.1	0	0	0	5.7E1	0.139	3286	7711	Sisma Y SLV	0	3.1	0	0	5.7E1	0.139
3287	7711	Sisma X SLO	1.7	0	0	0	5.7E1	0.139	3288	7711	Sisma Y SLO	0	1.7	0	0	5.7E1	0.139
3289	7711	Sisma X SLD	1.4	0	0	0	5.7E1	0.139	3290	7711	Sisma Y SLD	0	1.4	0	0	5.7E1	0.139
3291	7712	Sisma X SLV	3.5	0	0	0	6.3E1	0.139	3292	7712	Sisma Y SLV	0	3.5	0	0	6.3E1	0.139
3293	7712	Sisma X SLO	1.9	0	0	0	6.3E1	0.139	3294	7712	Sisma Y SLO	0	1.9	0	0	6.3E1	0.139
3295	7712	Sisma X SLD	1.5	0	0	0	6.3E1	0.139	3296	7712	Sisma Y SLD	0	1.5	0	0	6.3E1	0.139
3297	7713	Sisma X SLV	3.6	0	0	0	6.5E1	0.139	3298	7713	Sisma Y SLV	0	3.6	0	0	6.5E1	0.139
3299	7713	Sisma X SLO	1.9	0	0	0	6.5E1	0.139	3300	7713	Sisma Y SLO	0	1.9	0	0	6.5E1	0.139
3301	7713	Sisma X SLD	1.6	0	0	0	6.5E1	0.139	3302	7713	Sisma Y SLD	0	1.6	0	0	6.5E1	0.139
3303	7714	Sisma X SLV	3.9	0	0	0	7.0E1	0.139	3304	7714	Sisma Y SLV	0	3.9	0	0	7.0E1	0.139
3305	7714	Sisma X SLO	2.1	0	0	0	7.0E1	0.139	3306	7714	Sisma Y SLO	0	2.1	0	0	7.0E1	0.139
3307	7714	Sisma X SLD	1.7	0	0	0	7.0E1	0.139	3308	7714	Sisma Y SLD	0	1.7	0	0	7.0E1	0.139
3309	7715	Sisma X SLV	3.3	0	0	0	6.0E1	0.139	3310	7715	Sisma Y SLV	0	3.3	0	0	6.0E1	0.139
3311	7715	Sisma X SLO	1.8	0	0	0	6.0E1	0.139	3312	7715	Sisma Y SLO	0	1.8	0	0	6.0E1	0.139

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
3313	7715	Sisma X SLD	1.5	0	0	0	6.0E1	0.139	3314	7715	Sisma Y SLD	0	1.5	0	0	6.0E1	0.139
3315	7716	Sisma X SLV	3.1	0	0	0	5.7E1	0.139	3316	7716	Sisma Y SLV	0	3.1	0	0	5.7E1	0.139
3317	7716	Sisma X SLO	1.7	0	0	0	5.7E1	0.139	3318	7716	Sisma Y SLO	0	1.7	0	0	5.7E1	0.139
3319	7716	Sisma X SLD	1.4	0	0	0	5.7E1	0.139	3320	7716	Sisma Y SLD	0	1.4	0	0	5.7E1	0.139
3321	7717	Sisma X SLV	5.7	0	0	0	1.0E2	0.139	3322	7717	Sisma Y SLV	0	5.7	0	0	1.0E2	0.139
3323	7717	Sisma X SLO	3	0	0	0	1.0E2	0.139	3324	7717	Sisma Y SLO	0	3	0	0	1.0E2	0.139
3325	7717	Sisma X SLD	2.5	0	0	0	1.0E2	0.139	3326	7717	Sisma Y SLD	0	2.5	0	0	1.0E2	0.139
3327	7718	Sisma X SLV	4.1	0	0	0	73.7	0.139	3328	7718	Sisma Y SLV	0	4.1	0	0	73.7	0.139
3329	7718	Sisma X SLO	2.2	0	0	0	73.7	0.139	3330	7718	Sisma Y SLO	0	2.2	0	0	73.7	0.139
3331	7718	Sisma X SLD	1.8	0	0	0	73.7	0.139	3332	7718	Sisma Y SLD	0	1.8	0	0	73.7	0.139
3333	7719	Sisma X SLV	3.3	0	0	0	6.0E1	0.139	3334	7719	Sisma Y SLV	0	3.3	0	0	6.0E1	0.139
3335	7719	Sisma X SLO	1.8	0	0	0	6.0E1	0.139	3336	7719	Sisma Y SLO	0	1.8	0	0	6.0E1	0.139
3337	7719	Sisma X SLD	1.5	0	0	0	6.0E1	0.139	3338	7719	Sisma Y SLD	0	1.5	0	0	6.0E1	0.139
3339	7720	Sisma X SLV	3.4	0	0	0	6.1E1	0.139	3340	7720	Sisma Y SLV	0	3.4	0	0	6.1E1	0.139
3341	7720	Sisma X SLO	1.8	0	0	0	6.1E1	0.139	3342	7720	Sisma Y SLO	0	1.8	0	0	6.1E1	0.139
3343	7720	Sisma X SLD	1.5	0	0	0	6.1E1	0.139	3344	7720	Sisma Y SLD	0	1.5	0	0	6.1E1	0.139
3345	7721	Sisma X SLV	3.4	0	0	0	6.2E1	0.139	3346	7721	Sisma Y SLV	0	3.4	0	0	6.2E1	0.139
3347	7721	Sisma X SLO	1.8	0	0	0	6.2E1	0.139	3348	7721	Sisma Y SLO	0	1.8	0	0	6.2E1	0.139
3349	7721	Sisma X SLD	1.5	0	0	0	6.2E1	0.139	3350	7721	Sisma Y SLD	0	1.5	0	0	6.2E1	0.139
3351	7722	Sisma X SLV	3.5	0	0	0	63.2	0.139	3352	7722	Sisma Y SLV	0	3.5	0	0	63.2	0.139
3353	7722	Sisma X SLO	1.9	0	0	0	63.2	0.139	3354	7722	Sisma Y SLO	0	1.9	0	0	63.2	0.139
3355	7722	Sisma X SLD	1.5	0	0	0	63.2	0.139	3356	7722	Sisma Y SLD	0	1.5	0	0	63.2	0.139
3357	7723	Sisma X SLV	3.9	0	0	0	7.1E1	0.139	3358	7723	Sisma Y SLV	0	3.9	0	0	7.1E1	0.139
3359	7723	Sisma X SLO	2.1	0	0	0	7.1E1	0.139	3360	7723	Sisma Y SLO	0	2.1	0	0	7.1E1	0.139
3361	7723	Sisma X SLD	1.7	0	0	0	7.1E1	0.139	3362	7723	Sisma Y SLD	0	1.7	0	0	7.1E1	0.139
3363	7724	Sisma X SLV	3.7	0	0	0	6.7E1	0.139	3364	7724	Sisma Y SLV	0	3.7	0	0	6.7E1	0.139
3365	7724	Sisma X SLO	2	0	0	0	6.7E1	0.139	3366	7724	Sisma Y SLO	0	2	0	0	6.7E1	0.139
3367	7724	Sisma X SLD	1.6	0	0	0	6.7E1	0.139	3368	7724	Sisma Y SLD	0	1.6	0	0	6.7E1	0.139
3369	7725	Sisma X SLV	3	0	0	0	5.3E1	0.139	3370	7725	Sisma Y SLV	0	3	0	0	5.3E1	0.139
3371	7725	Sisma X SLO	1.6	0	0	0	5.3E1	0.139	3372	7725	Sisma Y SLO	0	1.6	0	0	5.3E1	0.139
3373	7725	Sisma X SLD	1.3	0	0	0	5.3E1	0.139	3374	7725	Sisma Y SLD	0	1.3	0	0	5.3E1	0.139
3375	7726	Sisma X SLV	2.9	0	0	0	5.3E1	0.139	3376	7726	Sisma Y SLV	0	2.9	0	0	5.3E1	0.139
3377	7726	Sisma X SLO	1.6	0	0	0	5.3E1	0.139	3378	7726	Sisma Y SLO	0	1.6	0	0	5.3E1	0.139
3379	7726	Sisma X SLD	1.3	0	0	0	5.3E1	0.139	3380	7726	Sisma Y SLD	0	1.3	0	0	5.3E1	0.139
3381	7727	Sisma X SLV	3.7	0	0	0	6.7E1	0.139	3382	7727	Sisma Y SLV	0	3.7	0	0	6.7E1	0.139
3383	7727	Sisma X SLO	2	0	0	0	6.7E1	0.139	3384	7727	Sisma Y SLO	0	2	0	0	6.7E1	0.139
3385	7727	Sisma X SLD	1.6	0	0	0	6.7E1	0.139	3386	7727	Sisma Y SLD	0	1.6	0	0	6.7E1	0.139
3387	7728	Sisma X SLV	3.5	0	0	0	6.3E1	0.139	3388	7728	Sisma Y SLV	0	3.5	0	0	6.3E1	0.139
3389	7728	Sisma X SLO	1.9	0	0	0	6.3E1	0.139	3390	7728	Sisma Y SLO	0	1.9	0	0	6.3E1	0.139
3391	7728	Sisma X SLD	1.6	0	0	0	6.3E1	0.139	3392	7728	Sisma Y SLD	0	1.6	0	0	6.3E1	0.139
3393	7729	Sisma X SLV	4.1	0	0	0	73.46	0.139	3394	7729	Sisma Y SLV	0	4.1	0	0	73.46	0.139
3395	7729	Sisma X SLO	2.2	0	0	0	73.46	0.139	3396	7729	Sisma Y SLO	0	2.2	0	0	73.46	0.139
3397	7729	Sisma X SLD	1.8	0	0	0	73.46	0.139	3398	7729	Sisma Y SLD	0	1.8	0	0	73.46	0.139
3399	7730	Sisma X SLV	4.1	0	0	0	7.5E1	0.139	3400	7730	Sisma Y SLV	0	4.1	0	0	7.5E1	0.139
3401	7730	Sisma X SLO	2.2	0	0	0	7.5E1	0.139	3402	7730	Sisma Y SLO	0	2.2	0	0	7.5E1	0.139
3403	7730	Sisma X SLD	1.8	0	0	0	7.5E1	0.139	3404	7730	Sisma Y SLD	0	1.8	0	0	7.5E1	0.139
3405	7731	Sisma X SLV	3.7	0	0	0	6.7E1	0.139	3406	7731	Sisma Y SLV	0	3.7	0	0	6.7E1	0.139
3407	7731	Sisma X SLO	2	0	0	0	6.7E1	0.139	3408	7731	Sisma Y SLO	0	2	0	0	6.7E1	0.139
3409	7731	Sisma X SLD	1.6	0	0	0	6.7E1	0.139	3410	7731	Sisma Y SLD	0	1.6	0	0	6.7E1	0.139
3411	7732	Sisma X SLV	3.7	0	0	0	6.8E1	0.139	3412	7732	Sisma Y SLV	0	3.7	0	0	6.8E1	0.139
3413	7732	Sisma X SLO	2	0	0	0	6.8E1	0.139	3414	7732	Sisma Y SLO	0	2	0	0	6.8E1	0.139
3415	7732	Sisma X SLD	1.7	0	0	0	6.8E1	0.139	3416	7732	Sisma Y SLD	0	1.7	0	0	6.8E1	0.139
3417	7733	Sisma X SLV	4.2	0	0	0	7.6E1	0.139	3418	7733	Sisma Y SLV	0	4.2	0	0	7.6E1	0.139
3419	7733	Sisma X SLO	2.2	0	0	0	7.6E1	0.139	3420	7733	Sisma Y SLO	0	2.2	0	0	7.6E1	0.139
3421	7733	Sisma X SLD	1.9	0	0	0	7.6E1	0.139	3422	7733	Sisma Y SLD	0	1.9	0	0	7.6E1	0.139
3423	7734	Sisma X SLV	4.2	0	0	0	76.76	0.139	3424	7734	Sisma Y SLV	0	4.2	0	0	76.76	0.139
3425	7734	Sisma X SLO	2.3	0	0	0	76.76	0.139	3426	7734	Sisma Y SLO	0	2.3	0	0	76.76	0.139
3427	7734	Sisma X SLD	1.9	0	0	0	76.76	0.139	3428	7734	Sisma Y SLD	0	1.9	0	0	76.76	0.139
3429	7735	Sisma X SLV	2.8	0	0	0	5.1E1	0.139	3430	7735	Sisma Y SLV	0	2.8	0	0	5.1E1	0.139
3431	7735	Sisma X SLO	1.5	0	0	0	5.1E1	0.139	3432	7735	Sisma Y SLO	0	1.5	0	0	5.1E1	0.139
3433	7735	Sisma X SLD	1.3	0	0	0	5.1E1	0.139	3434	7735	Sisma Y SLD	0	1.3	0	0	5.1E1	0.139
3435	7736	Sisma X SLV	8.1	0	0	0	1.5E2	0.139	3436	7736	Sisma Y SLV	0	8.1	0	0	1.5E2	0.139
3437	7736	Sisma X SLO	4.3	0	0	0	1.5E2	0.139	3438	7736	Sisma Y SLO	0	4.3	0	0	1.5E2	0.139
3439	7736	Sisma X SLD	3.6	0	0	0	1.5E2	0.139	3440	7736	Sisma Y SLD	0	3.6	0	0	1.5E2	0.139
3441	7737	Sisma X SLV	7.8	0	0	0	1.4E2	0.139	3442	7737	Sisma Y SLV	0	7.8	0	0	1.4E2	0.139
3443	7737	Sisma X SLO	4.2	0	0	0	1.4E2	0.139	3444	7737	Sisma Y SLO	0	4.2	0	0	1.4E2	0.139
3445	7737	Sisma X SLD	3.5	0	0	0	1.4E2	0.139	3446	7737	Sisma Y SLD	0	3.5	0	0	1.4E2	0.139
3447	7738	Sisma X SLV	7.9	0	0	0	1.4E2	0.139	3448	7738	Sisma Y SLV	0	7.9	0	0	1.4E2	0.139
3449	7738	Sisma X SLO	4.2	0	0	0	1.4E2	0.139	3450	7738	Sisma Y SLO	0	4.2	0	0	1.4E2	0.139
3451	7738	Sisma X SLD	3.5	0	0	0	1.4E2	0.139	3452	7738	Sisma Y SLD	0	3.5	0	0	1.4E2	0.139
3453	7739	Sisma X SLV	8.3	0	0	0	1.5E2	0.139	3454	7739	Sisma Y SLV	0	8.3	0	0	1.5E2	0.139
3455	7739	Sisma X SLO	4.4	0	0	0	1.5E2	0.139	3456	7739	Sisma Y SLO	0	4.4	0	0	1.5E2	0.139
3457	7739	Sisma X SLD	3.7	0	0	0	1.5E2	0.139	3458	7739	Sisma Y SLD	0	3.7	0	0	1.5E2	0.139
3459	7740	Sisma X SLV	3.4	0	0	0	61.56	0.139	3460	7740	Sisma Y SLV	0	3.4	0	0	61.56	0.139
3461	7740	Sisma X SLO	1.8	0	0	0	61.56	0.139	3462	7740	Sisma Y SLO	0	1.8	0	0	61.56	0.139
3463	7740	Sisma X SLD	1.5	0	0	0	61.56	0.139	3464	7740	Sisma Y SLD	0	1.5	0	0	61.56	0.139
3465	7741	Sisma X SLV	8	0	0	0	1.4E2	0.139	3466	7741	Sisma Y SLV	0	8	0	0	1.4E2	0.139
3467	7741	Sisma X SLO	4.3	0	0	0	1.4E2	0.139	3468	7741	Sisma Y SLO	0	4.3	0	0	1.4E2	0.139
3469	7741	Sisma X SLD	3.6	0	0	0	1.4E2	0.139	3470	7741	Sisma Y SLD	0	3.6	0	0	1.4E2	0.139
3471	7742	Sisma X SLV	8.9	0	0	0	1.6E2	0.139	3472	7742	Sisma Y SLV	0	8.9	0	0	1.6E2	0.139
3473	7742	Sisma X SLO	4.8	0	0	0	1.6E2	0.139	3474	7742	Sisma Y SLO	0	4.8	0	0	1.6E2	0.139
3475	7742	Sisma X SLD	3.9	0	0	0	1.6E2	0.139	3476	7742	Sisma Y SLD	0	3.9	0	0	1.6E2	0.139
3477	7743	Sisma X SLV	8.7	0	0	0	1.6E2	0.14	3478	7743	Sisma Y SLV	0	8.7	0	0	1.6E2	0.14
3479	7743	Sisma X SLO	4.6	0	0	0	1.6E2	0.14	3480	7743	Sisma Y SLO	0	4.6	0	0	1.6E2	0.14
3481	7743	Sisma X SLD	3.8	0	0	0	1.6E2	0.14	3482	7743	Sisma Y SLD	0	3.8	0	0	1.6E2	0.14
3483	7744	Sisma X SLV	8.5	0	0	0	1.5E2	0.14	3484	7744	Sisma Y SLV	0	8.5	0	0	1.5E2	0.14
3485	7744	Sisma X SLO	4.6	0	0	0	1.5E2	0.14	3486	7744	Sisma Y SLO	0	4.6	0	0	1.5E2	0.14
3487	7744	Sisma X SLD	3.8	0	0	0	1.5E2	0.14	3488	7744	Sisma Y SLD	0	3.8	0	0	1.5E2	0.14
3489	7745	Sisma X SLV	8.2	0	0	0	1.5E2	0.14	3490	7745	Sisma Y SLV	0	8.2	0	0	1.5E2	0.14
3491	7745	Sisma X SLO	4.4	0	0	0	1.5E2	0.14	3492	7745	Sisma Y SLO	0	4.4	0	0	1.5E2	0.14
3493	7745	Sisma X SLD	3.6	0	0	0	1.5E2	0.14	3494	7745	Sisma Y SLD	0	3.6	0	0	1.5E2	0.14
3495	7746	Sisma X SLV	6.3	0	0	0	1.1E2	0.14	3496	7746	Sisma Y SLV	0	6.3	0	0	1.1E2	0.14
3497	7746	Sisma X SLO	3.4	0	0	0	1.1E2	0.14	3498	7746	Sisma Y SLO	0	3.4	0	0	1.1E2	0.14
3499	7746	Sisma X SLD	2.8	0	0	0	1.1E2	0.14	3500	7746	Sisma Y SLD	0	2.8	0	0	1.1E2	0.14
3501	7747	Sisma X SLV	8.9	0	0	0	1.6E2	0.14	3502	7747	Sisma Y SLV	0	8.9	0	0	1.6E2	0.14
3503	7747	Sisma X SLO	4.7	0	0	0	1.6E2	0.14	3504	7747	Sisma Y SLO	0	4.7	0	0	1.6E2	0.14
3505	7747	Sisma X SLD	3.9	0	0	0	1.6E2	0.14	3506	7747	Sisma Y SLD	0	3.9	0	0	1.6E2	0.14
3507	7748	Sisma X SLV	6.7	0	0	0	1.2E2	0.14	3508	7748	Sisma Y SLV	0	6.7	0	0	1.2E2	0.14
3509	7748	Sisma X SLO	3.6	0	0	0	1.2E2	0.14	3510	7748	Sisma Y SLO	0	3.6	0	0	1.2E2	0.14
3511	7748	Sisma X SLD	3	0	0	0	1.2E2	0.14	3512	7748	Sisma Y SLD	0	3	0	0	1.2E2	0.14

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
3513	7749	Sisma X SLV	9.2	0	0	0	1.6E2	0.14	3514	7749	Sisma Y SLV	0	9.2	0	0	1.6E2	0.14
3515	7749	Sisma X SLO	4.9	0	0	0	1.6E2	0.14	3516	7749	Sisma Y SLO	0	4.9	0	0	1.6E2	0.14
3517	7749	Sisma X SLD	4.1	0	0	0	1.6E2	0.14	3518	7749	Sisma Y SLD	0	4.1	0	0	1.6E2	0.14
3519	7750	Sisma X SLV	8.9	0	0	0	1.6E2	0.14	3520	7750	Sisma Y SLV	0	8.9	0	0	1.6E2	0.14
3521	7750	Sisma X SLO	4.8	0	0	0	1.6E2	0.14	3522	7750	Sisma Y SLO	0	4.8	0	0	1.6E2	0.14
3523	7750	Sisma X SLD	4	0	0	0	1.6E2	0.14	3524	7750	Sisma Y SLD	0	4	0	0	1.6E2	0.14
3525	7751	Sisma X SLV	9	0	0	0	1.6E2	0.14	3526	7751	Sisma Y SLV	0	9	0	0	1.6E2	0.14
3527	7751	Sisma X SLO	4.8	0	0	0	1.6E2	0.14	3528	7751	Sisma Y SLO	0	4.8	0	0	1.6E2	0.14
3529	7751	Sisma X SLD	4	0	0	0	1.6E2	0.14	3530	7751	Sisma Y SLD	0	4	0	0	1.6E2	0.14
3531	7752	Sisma X SLV	9.1	0	0	0	1.6E2	0.141	3532	7752	Sisma Y SLV	0	9.1	0	0	1.6E2	0.141
3533	7752	Sisma X SLO	4.8	0	0	0	1.6E2	0.141	3534	7752	Sisma Y SLO	0	4.8	0	0	1.6E2	0.141
3535	7752	Sisma X SLD	4	0	0	0	1.6E2	0.141	3536	7752	Sisma Y SLD	0	4	0	0	1.6E2	0.141
3537	7753	Sisma X SLV	13.1	0	0	0	2.3E2	0.141	3538	7753	Sisma Y SLV	0	13.1	0	0	2.3E2	0.141
3539	7753	Sisma X SLO	7	0	0	0	2.3E2	0.141	3540	7753	Sisma Y SLO	0	7	0	0	2.3E2	0.141
3541	7753	Sisma X SLD	5.8	0	0	0	2.3E2	0.141	3542	7753	Sisma Y SLD	0	5.8	0	0	2.3E2	0.141
3543	7754	Sisma X SLV	9.2	0	0	0	1.6E2	0.141	3544	7754	Sisma Y SLV	0	9.2	0	0	1.6E2	0.141
3545	7754	Sisma X SLO	4.9	0	0	0	1.6E2	0.141	3546	7754	Sisma Y SLO	0	4.9	0	0	1.6E2	0.141
3547	7754	Sisma X SLD	4.1	0	0	0	1.6E2	0.141	3548	7754	Sisma Y SLD	0	4.1	0	0	1.6E2	0.141
3549	7755	Sisma X SLV	9	0	0	0	1.6E2	0.142	3550	7755	Sisma Y SLV	0	9	0	0	1.6E2	0.142
3551	7755	Sisma X SLO	4.8	0	0	0	1.6E2	0.142	3552	7755	Sisma Y SLO	0	4.8	0	0	1.6E2	0.142
3553	7755	Sisma X SLD	4	0	0	0	1.6E2	0.142	3554	7755	Sisma Y SLD	0	4	0	0	1.6E2	0.142
3555	7756	Sisma X SLV	8.9	0	0	0	1.6E2	0.142	3556	7756	Sisma Y SLV	0	8.9	0	0	1.6E2	0.142
3557	7756	Sisma X SLO	4.7	0	0	0	1.6E2	0.142	3558	7756	Sisma Y SLO	0	4.7	0	0	1.6E2	0.142
3559	7756	Sisma X SLD	3.9	0	0	0	1.6E2	0.142	3560	7756	Sisma Y SLD	0	3.9	0	0	1.6E2	0.142
3561	7757	Sisma X SLV	9.2	0	0	0	1.6E2	0.142	3562	7757	Sisma Y SLV	0	9.2	0	0	1.6E2	0.142
3563	7757	Sisma X SLO	4.9	0	0	0	1.6E2	0.142	3564	7757	Sisma Y SLO	0	4.9	0	0	1.6E2	0.142
3565	7757	Sisma X SLD	4.1	0	0	0	1.6E2	0.142	3566	7757	Sisma Y SLD	0	4.1	0	0	1.6E2	0.142
3567	7758	Sisma X SLV	9.2	0	0	0	1.6E2	0.142	3568	7758	Sisma Y SLV	0	9.2	0	0	1.6E2	0.142
3569	7758	Sisma X SLO	4.9	0	0	0	1.6E2	0.142	3570	7758	Sisma Y SLO	0	4.9	0	0	1.6E2	0.142
3571	7758	Sisma X SLD	4.1	0	0	0	1.6E2	0.142	3572	7758	Sisma Y SLD	0	4.1	0	0	1.6E2	0.142
3573	7759	Sisma X SLV	6	0	0	0	1.0E2	0.142	3574	7759	Sisma Y SLV	0	6	0	0	1.0E2	0.142
3575	7759	Sisma X SLO	3.2	0	0	0	1.0E2	0.142	3576	7759	Sisma Y SLO	0	3.2	0	0	1.0E2	0.142
3577	7759	Sisma X SLD	2.6	0	0	0	1.0E2	0.142	3578	7759	Sisma Y SLD	0	2.6	0	0	1.0E2	0.142
3579	7760	Sisma X SLV	9.1	0	0	0	1.6E2	0.142	3580	7760	Sisma Y SLV	0	9.1	0	0	1.6E2	0.142
3581	7760	Sisma X SLO	4.9	0	0	0	1.6E2	0.142	3582	7760	Sisma Y SLO	0	4.9	0	0	1.6E2	0.142
3583	7760	Sisma X SLD	4	0	0	0	1.6E2	0.142	3584	7760	Sisma Y SLD	0	4	0	0	1.6E2	0.142
3585	7761	Sisma X SLV	9.1	0	0	0	1.6E2	0.142	3586	7761	Sisma Y SLV	0	9.1	0	0	1.6E2	0.142
3587	7761	Sisma X SLO	4.9	0	0	0	1.6E2	0.142	3588	7761	Sisma Y SLO	0	4.9	0	0	1.6E2	0.142
3589	7761	Sisma X SLD	4	0	0	0	1.6E2	0.142	3590	7761	Sisma Y SLD	0	4	0	0	1.6E2	0.142
3591	7762	Sisma X SLV	9.4	0	0	0	1.7E2	0.142	3592	7762	Sisma Y SLV	0	9.4	0	0	1.7E2	0.142
3593	7762	Sisma X SLO	5	0	0	0	1.7E2	0.142	3594	7762	Sisma Y SLO	0	5	0	0	1.7E2	0.142
3595	7762	Sisma X SLD	4.2	0	0	0	1.7E2	0.142	3596	7762	Sisma Y SLD	0	4.2	0	0	1.7E2	0.142
3597	7763	Sisma X SLV	9.2	0	0	0	1.6E2	0.142	3598	7763	Sisma Y SLV	0	9.2	0	0	1.6E2	0.142
3599	7763	Sisma X SLO	4.9	0	0	0	1.6E2	0.142	3600	7763	Sisma Y SLO	0	4.9	0	0	1.6E2	0.142
3601	7763	Sisma X SLD	4.1	0	0	0	1.6E2	0.142	3602	7763	Sisma Y SLD	0	4.1	0	0	1.6E2	0.142
3603	7764	Sisma X SLV	6	0	0	0	1.1E2	0.142	3604	7764	Sisma Y SLV	0	6	0	0	1.1E2	0.142
3605	7764	Sisma X SLO	3.2	0	0	0	1.1E2	0.142	3606	7764	Sisma Y SLO	0	3.2	0	0	1.1E2	0.142
3607	7764	Sisma X SLD	2.6	0	0	0	1.1E2	0.142	3608	7764	Sisma Y SLD	0	2.6	0	0	1.1E2	0.142
3609	7765	Sisma X SLV	7.9	0	0	0	1.4E2	0.142	3610	7765	Sisma Y SLV	0	7.9	0	0	1.4E2	0.142
3611	7765	Sisma X SLO	4.2	0	0	0	1.4E2	0.142	3612	7765	Sisma Y SLO	0	4.2	0	0	1.4E2	0.142
3613	7765	Sisma X SLD	3.5	0	0	0	1.4E2	0.142	3614	7765	Sisma Y SLD	0	3.5	0	0	1.4E2	0.142
3615	7766	Sisma X SLV	11.2	0	0	0	2.0E2	0.142	3616	7766	Sisma Y SLV	0	11.2	0	0	2.0E2	0.142
3617	7766	Sisma X SLO	6	0	0	0	2.0E2	0.142	3618	7766	Sisma Y SLO	0	6	0	0	2.0E2	0.142
3619	7766	Sisma X SLD	5	0	0	0	2.0E2	0.142	3620	7766	Sisma Y SLD	0	5	0	0	2.0E2	0.142
3621	7767	Sisma X SLV	9.1	0	0	0	1.6E2	0.142	3622	7767	Sisma Y SLV	0	9.1	0	0	1.6E2	0.142
3623	7767	Sisma X SLO	4.9	0	0	0	1.6E2	0.142	3624	7767	Sisma Y SLO	0	4.9	0	0	1.6E2	0.142
3625	7767	Sisma X SLD	4	0	0	0	1.6E2	0.142	3626	7767	Sisma Y SLD	0	4	0	0	1.6E2	0.142
3627	7768	Sisma X SLV	5.7	0	0	0	1.0E2	0.143	3628	7768	Sisma Y SLV	0	5.7	0	0	1.0E2	0.143
3629	7768	Sisma X SLO	3	0	0	0	1.0E2	0.143	3630	7768	Sisma Y SLO	0	3	0	0	1.0E2	0.143
3631	7768	Sisma X SLD	2.5	0	0	0	1.0E2	0.143	3632	7768	Sisma Y SLD	0	2.5	0	0	1.0E2	0.143
3633	7769	Sisma X SLV	3.5	0	0	0	6.2E1	0.143	3634	7769	Sisma Y SLV	0	3.5	0	0	6.2E1	0.143
3635	7769	Sisma X SLO	1.9	0	0	0	6.2E1	0.143	3636	7769	Sisma Y SLO	0	1.9	0	0	6.2E1	0.143
3637	7769	Sisma X SLD	1.6	0	0	0	6.2E1	0.143	3638	7769	Sisma Y SLD	0	1.6	0	0	6.2E1	0.143
3639	7770	Sisma X SLV	7.1	0	0	0	1.2E2	0.143	3640	7770	Sisma Y SLV	0	7.1	0	0	1.2E2	0.143
3641	7770	Sisma X SLO	3.8	0	0	0	1.2E2	0.143	3642	7770	Sisma Y SLO	0	3.8	0	0	1.2E2	0.143
3643	7770	Sisma X SLD	3.1	0	0	0	1.2E2	0.143	3644	7770	Sisma Y SLD	0	3.1	0	0	1.2E2	0.143
3645	7771	Sisma X SLV	3.5	0	0	0	6.2E1	0.143	3646	7771	Sisma Y SLV	0	3.5	0	0	6.2E1	0.143
3647	7771	Sisma X SLO	1.9	0	0	0	6.2E1	0.143	3648	7771	Sisma Y SLO	0	1.9	0	0	6.2E1	0.143
3649	7771	Sisma X SLD	1.6	0	0	0	6.2E1	0.143	3650	7771	Sisma Y SLD	0	1.6	0	0	6.2E1	0.143
3651	7772	Sisma X SLV	7.1	0	0	0	1.2E2	0.143	3652	7772	Sisma Y SLV	0	7.1	0	0	1.2E2	0.143
3653	7772	Sisma X SLO	3.8	0	0	0	1.2E2	0.143	3654	7772	Sisma Y SLO	0	3.8	0	0	1.2E2	0.143
3655	7772	Sisma X SLD	3.1	0	0	0	1.2E2	0.143	3656	7772	Sisma Y SLD	0	3.1	0	0	1.2E2	0.143
3657	7773	Sisma X SLV	12	0	0	0	2.1E2	0.143	3658	7773	Sisma Y SLV	0	12	0	0	2.1E2	0.143
3659	7773	Sisma X SLO	6.4	0	0	0	2.1E2	0.143	3660	7773	Sisma Y SLO	0	6.4	0	0	2.1E2	0.143
3661	7773	Sisma X SLD	5.3	0	0	0	2.1E2	0.143	3662	7773	Sisma Y SLD	0	5.3	0	0	2.1E2	0.143
3663	7774	Sisma X SLV	13	0	0	0	2.3E2	0.144	3664	7774	Sisma Y SLV	0	13	0	0	2.3E2	0.144
3665	7774	Sisma X SLO	6.9	0	0	0	2.3E2	0.144	3666	7774	Sisma Y SLO	0	6.9	0	0	2.3E2	0.144
3667	7774	Sisma X SLD	5.8	0	0	0	2.3E2	0.144	3668	7774	Sisma Y SLD	0	5.8	0	0	2.3E2	0.144
3669	7775	Sisma X SLV	11.8	0	0	0	2.0E2	0.144	3670	7775	Sisma Y SLV	0	11.8	0	0	2.0E2	0.144
3671	7775	Sisma X SLO	6.3	0	0	0	2.0E2	0.144	3672	7775	Sisma Y SLO	0	6.3	0	0	2.0E2	0.144
3673	7775	Sisma X SLD	5.2	0	0	0	2.0E2	0.144	3674	7775	Sisma Y SLD	0	5.2	0	0	2.0E2	0.144
3675	7776	Sisma X SLV	8.4	0	0	0	1.5E2	0.144	3676	7776	Sisma Y SLV	0	8.4	0	0	1.5E2	0.144
3677	7776	Sisma X SLO	4.5	0	0	0	1.5E2	0.144	3678	7776	Sisma Y SLO	0	4.5	0	0	1.5E2	0.144
3679	7776	Sisma X SLD	3.7	0	0	0	1.5E2	0.144	3680	7776	Sisma Y SLD	0	3.7	0	0	1.5E2	0.144
3681	7777	Sisma X SLV	6	0	0	0	1.0E2	0.144	3682	7777	Sisma Y SLV	0	6	0	0	1.0E2	0.144
3683	7777	Sisma X SLO	3.2	0	0	0	1.0E2	0.144	3684	7777	Sisma Y SLO	0	3.2	0	0	1.0E2	0.144
3685	7777	Sisma X SLD	2.7	0	0	0	1.0E2	0.144	3686	7777	Sisma Y SLD	0	2.7	0	0	1.0E2	0.144
3687	7778	Sisma X SLV	5.6	0	0	0	9.7E1	0.144	3688	7778	Sisma Y SLV	0	5.6	0	0	9.7E1	0.144
3689	7778	Sisma X SLO	3	0	0	0	9.7E1	0.144	3690	7778	Sisma Y SLO	0	3	0	0	9.7E1	0.144
3691	7778	Sisma X SLD	2.5	0	0	0	9.7E1	0.144	3692	7778	Sisma Y SLD	0	2.5	0	0	9.7E1	0.144
3693	7779	Sisma X SLV	8.9	0	0	0	1.5E2	0.144	3694	7779	Sisma Y SLV	0	8.9	0	0	1.5E2	0.144
3695	7779	Sisma X SLO	4.7	0	0	0	1.5E2	0.144	3696	7779	Sisma Y SLO	0	4.7	0	0	1.5E2	0.144
3697	7779	Sisma X SLD	3.9	0	0	0	1.5E2	0.144	3698	7779	Sisma Y SLD	0	3.9	0	0	1.5E2	0.144
3699	7780	Sisma X SLV	10	0	0	0	1.7E2	0.144	3700	7780	Sisma Y SLV	0	10	0	0	1.7E2	0.144
3701	7780	Sisma X SLO	5.3	0	0	0	1.7E2	0.144	3702	7780	Sisma Y SLO	0	5.3	0	0	1.7E2	0.144
3703	7780	Sisma X SLD	4.4	0	0	0	1.7E2	0.144	3704	7780	Sisma Y SLD	0	4.4	0	0	1.7E2	0.144
3705	7781	Sisma X SLV	6.4	0	0	0	1.1E2	0.145	3706	7781	Sisma Y SLV	0	6.4	0	0	1.1E2	0.145
3707	7781	Sisma X SLO	3.4	0	0	0	1.1E2	0.145	3708	7781	Sisma Y SLO	0	3.4	0	0	1.1E2	0.145
3709	7781	Sisma X SLD	2.8	0	0	0	1.1E2	0.145	3710	7781	Sisma Y SLD	0	2.8	0	0	1.1E2	0.145
3711	7782	Sisma X SLV	9.9	0	0	0	1.7E2	0.145	3712	7782	Sisma Y SLV	0	9.9	0	0	1.7E2	0.145

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
3713	7782	Sisma X SLO	5.3	0	0	0	1.7E2	0.145	3714	7782	Sisma Y SLO	0	5.3	0	0	1.7E2	0.145
3715	7782	Sisma X SLD	4.4	0	0	0	1.7E2	0.145	3716	7782	Sisma Y SLD	0	4.4	0	0	1.7E2	0.145
3717	7783	Sisma X SLV	4.9	0	0	0	8.4E1	0.145	3718	7783	Sisma Y SLV	0	4.9	0	0	8.4E1	0.145
3719	7783	Sisma X SLO	2.6	0	0	0	8.4E1	0.145	3720	7783	Sisma Y SLO	0	2.6	0	0	8.4E1	0.145
3721	7783	Sisma X SLD	2.2	0	0	0	8.4E1	0.145	3722	7783	Sisma Y SLD	0	2.2	0	0	8.4E1	0.145
3723	7784	Sisma X SLV	5.2	0	0	0	9.0E1	0.145	3724	7784	Sisma Y SLV	0	5.2	0	0	9.0E1	0.145
3725	7784	Sisma X SLO	2.8	0	0	0	9.0E1	0.145	3726	7784	Sisma Y SLO	0	2.8	0	0	9.0E1	0.145
3727	7784	Sisma X SLD	2.3	0	0	0	9.0E1	0.145	3728	7784	Sisma Y SLD	0	2.3	0	0	9.0E1	0.145
3729	7785	Sisma X SLV	13	0	0	0	2.2E2	0.145	3730	7785	Sisma Y SLV	0	13	0	0	2.2E2	0.145
3731	7785	Sisma X SLO	6.9	0	0	0	2.2E2	0.145	3732	7785	Sisma Y SLO	0	6.9	0	0	2.2E2	0.145
3733	7785	Sisma X SLD	5.8	0	0	0	2.2E2	0.145	3734	7785	Sisma Y SLD	0	5.8	0	0	2.2E2	0.145
3735	7786	Sisma X SLV	6.4	0	0	0	1.1E2	0.146	3736	7786	Sisma Y SLV	0	6.4	0	0	1.1E2	0.146
3737	7786	Sisma X SLO	3.4	0	0	0	1.1E2	0.146	3738	7786	Sisma Y SLO	0	3.4	0	0	1.1E2	0.146
3739	7786	Sisma X SLD	2.8	0	0	0	1.1E2	0.146	3740	7786	Sisma Y SLD	0	2.8	0	0	1.1E2	0.146
3741	7787	Sisma X SLV	9.9	0	0	0	1.7E2	0.146	3742	7787	Sisma Y SLV	0	9.9	0	0	1.7E2	0.146
3743	7787	Sisma X SLO	5.3	0	0	0	1.7E2	0.146	3744	7787	Sisma Y SLO	0	5.3	0	0	1.7E2	0.146
3745	7787	Sisma X SLD	4.4	0	0	0	1.7E2	0.146	3746	7787	Sisma Y SLD	0	4.4	0	0	1.7E2	0.146
3747	7788	Sisma X SLV	9.9	0	0	0	1.7E2	0.146	3748	7788	Sisma Y SLV	0	9.9	0	0	1.7E2	0.146
3749	7788	Sisma X SLO	5.3	0	0	0	1.7E2	0.146	3750	7788	Sisma Y SLO	0	5.3	0	0	1.7E2	0.146
3751	7788	Sisma X SLD	4.4	0	0	0	1.7E2	0.146	3752	7788	Sisma Y SLD	0	4.4	0	0	1.7E2	0.146
3753	7789	Sisma X SLV	6.1	0	0	0	1.0E2	0.146	3754	7789	Sisma Y SLV	0	6.1	0	0	1.0E2	0.146
3755	7789	Sisma X SLO	3.2	0	0	0	1.0E2	0.146	3756	7789	Sisma Y SLO	0	3.2	0	0	1.0E2	0.146
3757	7789	Sisma X SLD	2.7	0	0	0	1.0E2	0.146	3758	7789	Sisma Y SLD	0	2.7	0	0	1.0E2	0.146
3759	7790	Sisma X SLV	8.9	0	0	0	1.5E2	0.146	3760	7790	Sisma Y SLV	0	8.9	0	0	1.5E2	0.146
3761	7790	Sisma X SLO	4.8	0	0	0	1.5E2	0.146	3762	7790	Sisma Y SLO	0	4.8	0	0	1.5E2	0.146
3763	7790	Sisma X SLD	3.9	0	0	0	1.5E2	0.146	3764	7790	Sisma Y SLD	0	3.9	0	0	1.5E2	0.146
3765	7791	Sisma X SLV	9.9	0	0	0	1.7E2	0.146	3766	7791	Sisma Y SLV	0	9.9	0	0	1.7E2	0.146
3767	7791	Sisma X SLO	5.3	0	0	0	1.7E2	0.146	3768	7791	Sisma Y SLO	0	5.3	0	0	1.7E2	0.146
3769	7791	Sisma X SLD	4.4	0	0	0	1.7E2	0.146	3770	7791	Sisma Y SLD	0	4.4	0	0	1.7E2	0.146
3771	7792	Sisma X SLV	5.2	0	0	0	9.0E1	0.146	3772	7792	Sisma Y SLV	0	5.2	0	0	9.0E1	0.146
3773	7792	Sisma X SLO	2.8	0	0	0	9.0E1	0.146	3774	7792	Sisma Y SLO	0	2.8	0	0	9.0E1	0.146
3775	7792	Sisma X SLD	2.3	0	0	0	9.0E1	0.146	3776	7792	Sisma Y SLD	0	2.3	0	0	9.0E1	0.146
3777	7793	Sisma X SLV	9.9	0	0	0	1.7E2	0.146	3778	7793	Sisma Y SLV	0	9.9	0	0	1.7E2	0.146
3779	7793	Sisma X SLO	5.3	0	0	0	1.7E2	0.146	3780	7793	Sisma Y SLO	0	5.3	0	0	1.7E2	0.146
3781	7793	Sisma X SLD	4.4	0	0	0	1.7E2	0.146	3782	7793	Sisma Y SLD	0	4.4	0	0	1.7E2	0.146
3783	7794	Sisma X SLV	9.9	0	0	0	1.7E2	0.147	3784	7794	Sisma Y SLV	0	9.9	0	0	1.7E2	0.147
3785	7794	Sisma X SLO	5.3	0	0	0	1.7E2	0.147	3786	7794	Sisma Y SLO	0	5.3	0	0	1.7E2	0.147
3787	7794	Sisma X SLD	4.4	0	0	0	1.7E2	0.147	3788	7794	Sisma Y SLD	0	4.4	0	0	1.7E2	0.147
3789	7795	Sisma X SLV	9.9	0	0	0	1.7E2	0.147	3790	7795	Sisma Y SLV	0	9.9	0	0	1.7E2	0.147
3791	7795	Sisma X SLO	5.3	0	0	0	1.7E2	0.147	3792	7795	Sisma Y SLO	0	5.3	0	0	1.7E2	0.147
3793	7795	Sisma X SLD	4.4	0	0	0	1.7E2	0.147	3794	7795	Sisma Y SLD	0	4.4	0	0	1.7E2	0.147
3795	7796	Sisma X SLV	6.5	0	0	0	1.1E2	0.147	3796	7796	Sisma Y SLV	0	6.5	0	0	1.1E2	0.147
3797	7796	Sisma X SLO	3.5	0	0	0	1.1E2	0.147	3798	7796	Sisma Y SLO	0	3.5	0	0	1.1E2	0.147
3799	7796	Sisma X SLD	2.9	0	0	0	1.1E2	0.147	3800	7796	Sisma Y SLD	0	2.9	0	0	1.1E2	0.147
3801	7797	Sisma X SLV	6.5	0	0	0	1.1E2	0.147	3802	7797	Sisma Y SLV	0	6.5	0	0	1.1E2	0.147
3803	7797	Sisma X SLO	3.5	0	0	0	1.1E2	0.147	3804	7797	Sisma Y SLO	0	3.5	0	0	1.1E2	0.147
3805	7797	Sisma X SLD	2.9	0	0	0	1.1E2	0.147	3806	7797	Sisma Y SLD	0	2.9	0	0	1.1E2	0.147
3807	7798	Sisma X SLV	9.8	0	0	0	1.7E2	0.147	3808	7798	Sisma Y SLV	0	9.8	0	0	1.7E2	0.147
3809	7798	Sisma X SLO	5.2	0	0	0	1.7E2	0.147	3810	7798	Sisma Y SLO	0	5.2	0	0	1.7E2	0.147
3811	7798	Sisma X SLD	4.3	0	0	0	1.7E2	0.147	3812	7798	Sisma Y SLD	0	4.3	0	0	1.7E2	0.147
3813	7799	Sisma X SLV	7	0	0	0	1.2E2	0.147	3814	7799	Sisma Y SLV	0	7	0	0	1.2E2	0.147
3815	7799	Sisma X SLO	3.7	0	0	0	1.2E2	0.147	3816	7799	Sisma Y SLO	0	3.7	0	0	1.2E2	0.147
3817	7799	Sisma X SLD	3.1	0	0	0	1.2E2	0.147	3818	7799	Sisma Y SLD	0	3.1	0	0	1.2E2	0.147
3819	7800	Sisma X SLV	10	0	0	0	1.7E2	0.147	3820	7800	Sisma Y SLV	0	10	0	0	1.7E2	0.147
3821	7800	Sisma X SLO	5.3	0	0	0	1.7E2	0.147	3822	7800	Sisma Y SLO	0	5.3	0	0	1.7E2	0.147
3823	7800	Sisma X SLD	4.4	0	0	0	1.7E2	0.147	3824	7800	Sisma Y SLD	0	4.4	0	0	1.7E2	0.147
3825	7801	Sisma X SLV	10.4	0	0	0	1.8E2	0.147	3826	7801	Sisma Y SLV	0	10.4	0	0	1.8E2	0.147
3827	7801	Sisma X SLO	5.5	0	0	0	1.8E2	0.147	3828	7801	Sisma Y SLO	0	5.5	0	0	1.8E2	0.147
3829	7801	Sisma X SLD	4.6	0	0	0	1.8E2	0.147	3830	7801	Sisma Y SLD	0	4.6	0	0	1.8E2	0.147
3831	7802	Sisma X SLV	13.1	0	0	0	2.2E2	0.147	3832	7802	Sisma Y SLV	0	13.1	0	0	2.2E2	0.147
3833	7802	Sisma X SLO	7	0	0	0	2.2E2	0.147	3834	7802	Sisma Y SLO	0	7	0	0	2.2E2	0.147
3835	7802	Sisma X SLD	5.8	0	0	0	2.2E2	0.147	3836	7802	Sisma Y SLD	0	5.8	0	0	2.2E2	0.147
3837	7803	Sisma X SLV	6.5	0	0	0	1.1E2	0.147	3838	7803	Sisma Y SLV	0	6.5	0	0	1.1E2	0.147
3839	7803	Sisma X SLO	3.5	0	0	0	1.1E2	0.147	3840	7803	Sisma Y SLO	0	3.5	0	0	1.1E2	0.147
3841	7803	Sisma X SLD	2.9	0	0	0	1.1E2	0.147	3842	7803	Sisma Y SLD	0	2.9	0	0	1.1E2	0.147
3843	7804	Sisma X SLV	5.8	0	0	0	9.8E1	0.147	3844	7804	Sisma Y SLV	0	5.8	0	0	9.8E1	0.147
3845	7804	Sisma X SLO	3.1	0	0	0	9.8E1	0.147	3846	7804	Sisma Y SLO	0	3.1	0	0	9.8E1	0.147
3847	7804	Sisma X SLD	2.6	0	0	0	9.8E1	0.147	3848	7804	Sisma Y SLD	0	2.6	0	0	9.8E1	0.147
3849	7805	Sisma X SLV	10	0	0	0	1.7E2	0.147	3850	7805	Sisma Y SLV	0	10	0	0	1.7E2	0.147
3851	7805	Sisma X SLO	5.3	0	0	0	1.7E2	0.147	3852	7805	Sisma Y SLO	0	5.3	0	0	1.7E2	0.147
3853	7805	Sisma X SLD	4.4	0	0	0	1.7E2	0.147	3854	7805	Sisma Y SLD	0	4.4	0	0	1.7E2	0.147
3855	7806	Sisma X SLV	8.9	0	0	0	1.5E2	0.148	3856	7806	Sisma Y SLV	0	8.9	0	0	1.5E2	0.148
3857	7806	Sisma X SLO	4.7	0	0	0	1.5E2	0.148	3858	7806	Sisma Y SLO	0	4.7	0	0	1.5E2	0.148
3859	7806	Sisma X SLD	3.9	0	0	0	1.5E2	0.148	3860	7806	Sisma Y SLD	0	3.9	0	0	1.5E2	0.148
3861	7807	Sisma X SLV	10	0	0	0	1.7E2	0.148	3862	7807	Sisma Y SLV	0	10	0	0	1.7E2	0.148
3863	7807	Sisma X SLO	5.3	0	0	0	1.7E2	0.148	3864	7807	Sisma Y SLO	0	5.3	0	0	1.7E2	0.148
3865	7807	Sisma X SLD	4.4	0	0	0	1.7E2	0.148	3866	7807	Sisma Y SLD	0	4.4	0	0	1.7E2	0.148
3867	7808	Sisma X SLV	6.3	0	0	0	1.1E2	0.148	3868	7808	Sisma Y SLV	0	6.3	0	0	1.1E2	0.148
3869	7808	Sisma X SLO	3.3	0	0	0	1.1E2	0.148	3870	7808	Sisma Y SLO	0	3.3	0	0	1.1E2	0.148
3871	7808	Sisma X SLD	2.8	0	0	0	1.1E2	0.148	3872	7808	Sisma Y SLD	0	2.8	0	0	1.1E2	0.148
3873	7809	Sisma X SLV	10	0	0	0	1.7E2	0.148	3874	7809	Sisma Y SLV	0	10	0	0	1.7E2	0.148
3875	7809	Sisma X SLO	5.3	0	0	0	1.7E2	0.148	3876	7809	Sisma Y SLO	0	5.3	0	0	1.7E2	0.148
3877	7809	Sisma X SLD	4.4	0	0	0	1.7E2	0.148	3878	7809	Sisma Y SLD	0	4.4	0	0	1.7E2	0.148
3879	7810	Sisma X SLV	10	0	0	0	1.7E2	0.148	3880	7810	Sisma Y SLV	0	10	0	0	1.7E2	0.148
3881	7810	Sisma X SLO	5.3	0	0	0	1.7E2	0.148	3882	7810	Sisma Y SLO	0	5.3	0	0	1.7E2	0.148
3883	7810	Sisma X SLD	4.4	0	0	0	1.7E2	0.148	3884	7810	Sisma Y SLD	0	4.4	0	0	1.7E2	0.148
3885	7811	Sisma X SLV	5.3	0	0	0	9.0E1	0.148	3886	7811	Sisma Y SLV	0	5.3	0	0	9.0E1	0.148
3887	7811	Sisma X SLO	2.8	0	0	0	9.0E1	0.148	3888	7811	Sisma Y SLO	0	2.8	0	0	9.0E1	0.148
3889	7811	Sisma X SLD	2.4	0	0	0	9.0E1	0.148	3890	7811	Sisma Y SLD	0	2.4	0	0	9.0E1	0.148
3891	7812	Sisma X SLV	6.7	0	0	0	1.1E2	0.148	3892	7812	Sisma Y SLV	0	6.7	0	0	1.1E2	0.148
3893	7812	Sisma X SLO	3.6	0	0	0	1.1E2	0.148	3894	7812	Sisma Y SLO	0	3.6	0	0	1.1E2	0.148
3895	7812	Sisma X SLD	3	0	0	0	1.1E2	0.148	3896	7812	Sisma Y SLD	0	3	0	0	1.1E2	0.148
3897	7813	Sisma X SLV	9.8	0	0	0	1.6E2	0.148	3898	7813	Sisma Y SLV	0	9.8	0	0	1.6E2	0.148
3899	7813	Sisma X SLO	5.2	0	0	0	1.6E2	0.148	3900	7813	Sisma Y SLO	0	5.2	0	0	1.6E2	0.148
3901	7813	Sisma X SLD	4.3	0	0	0	1.6E2	0.148	3902	7813	Sisma Y SLD	0	4.3	0	0	1.6E2	0.148
3903	7814	Sisma X SLV	10	0	0	0	1.7E2	0.148	3904	7814	Sisma Y SLV	0	10	0	0	1.7E2	0.148
3905	7814	Sisma X SLO	5.3	0	0	0	1.7E2	0.148	3906	7814	Sisma Y SLO	0	5.3	0	0	1.7E2	0.148
3907	7814	Sisma X SLD	4.4	0	0	0	1.7E2	0.148	3908	7814	Sisma Y SLD	0	4.4	0	0	1.7E2	0.148
3909	7815	Sisma X SLV	7.3	0	0	0	122.7	0.149	3910	7815	Sisma Y SLV	0	7.3	0	0	122.7	0.149
3911	7815	Sisma X SLO	3.9	0	0	0	122.7	0.149	3912	7815	Sisma Y SLO	0	3.9	0	0	122.7	0.149

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
3913	7815	Sisma X SLD	3.2	0	0	0	122.7	0.149	3914	7815	Sisma Y SLD	0	3.2	0	0	122.7	0.149
3915	7816	Sisma X SLV	10	0	0	0	1.7E2	0.149	3916	7816	Sisma Y SLV	0	10	0	0	1.7E2	0.149
3917	7816	Sisma X SLO	5.3	0	0	0	1.7E2	0.149	3918	7816	Sisma Y SLO	0	5.3	0	0	1.7E2	0.149
3919	7816	Sisma X SLD	4.4	0	0	0	1.7E2	0.149	3920	7816	Sisma Y SLD	0	4.4	0	0	1.7E2	0.149
3921	7817	Sisma X SLV	11.8	0	0	0	2.0E2	0.149	3922	7817	Sisma Y SLV	0	11.8	0	0	2.0E2	0.149
3923	7817	Sisma X SLO	6.3	0	0	0	2.0E2	0.149	3924	7817	Sisma Y SLO	0	6.3	0	0	2.0E2	0.149
3925	7817	Sisma X SLD	5.2	0	0	0	2.0E2	0.149	3926	7817	Sisma Y SLD	0	5.2	0	0	2.0E2	0.149
3927	7818	Sisma X SLV	11.1	0	0	0	1.9E2	0.149	3928	7818	Sisma Y SLV	0	11.1	0	0	1.9E2	0.149
3929	7818	Sisma X SLO	5.9	0	0	0	1.9E2	0.149	3930	7818	Sisma Y SLO	0	5.9	0	0	1.9E2	0.149
3931	7818	Sisma X SLD	4.9	0	0	0	1.9E2	0.149	3932	7818	Sisma Y SLD	0	4.9	0	0	1.9E2	0.149
3933	7819	Sisma X SLV	10.4	0	0	0	1.7E2	0.149	3934	7819	Sisma Y SLV	0	10.4	0	0	1.7E2	0.149
3935	7819	Sisma X SLO	5.5	0	0	0	1.7E2	0.149	3936	7819	Sisma Y SLO	0	5.5	0	0	1.7E2	0.149
3937	7819	Sisma X SLD	4.6	0	0	0	1.7E2	0.149	3938	7819	Sisma Y SLD	0	4.6	0	0	1.7E2	0.149
3939	7820	Sisma X SLV	8.5	0	0	0	1.4E2	0.149	3940	7820	Sisma Y SLV	0	8.5	0	0	1.4E2	0.149
3941	7820	Sisma X SLO	4.5	0	0	0	1.4E2	0.149	3942	7820	Sisma Y SLO	0	4.5	0	0	1.4E2	0.149
3943	7820	Sisma X SLD	3.8	0	0	0	1.4E2	0.149	3944	7820	Sisma Y SLD	0	3.8	0	0	1.4E2	0.149
3945	7821	Sisma X SLV	11.8	0	0	0	2.0E2	0.149	3946	7821	Sisma Y SLV	0	11.8	0	0	2.0E2	0.149
3947	7821	Sisma X SLO	6.3	0	0	0	2.0E2	0.149	3948	7821	Sisma Y SLO	0	6.3	0	0	2.0E2	0.149
3949	7821	Sisma X SLD	5.2	0	0	0	2.0E2	0.149	3950	7821	Sisma Y SLD	0	5.2	0	0	2.0E2	0.149
3951	7822	Sisma X SLV	4.1	0	0	0	7.0E1	0.149	3952	7822	Sisma Y SLV	0	4.1	0	0	7.0E1	0.149
3953	7822	Sisma X SLO	2.2	0	0	0	7.0E1	0.149	3954	7822	Sisma Y SLO	0	2.2	0	0	7.0E1	0.149
3955	7822	Sisma X SLD	1.8	0	0	0	7.0E1	0.149	3956	7822	Sisma Y SLD	0	1.8	0	0	7.0E1	0.149
3957	7823	Sisma X SLV	5.1	0	0	0	8.6E1	0.149	3958	7823	Sisma Y SLV	0	5.1	0	0	8.6E1	0.149
3959	7823	Sisma X SLO	2.7	0	0	0	8.6E1	0.149	3960	7823	Sisma Y SLO	0	2.7	0	0	8.6E1	0.149
3961	7823	Sisma X SLD	2.3	0	0	0	8.6E1	0.149	3962	7823	Sisma Y SLD	0	2.3	0	0	8.6E1	0.149
3963	7824	Sisma X SLV	10.9	0	0	0	1.8E2	0.149	3964	7824	Sisma Y SLV	0	10.9	0	0	1.8E2	0.149
3965	7824	Sisma X SLO	5.8	0	0	0	1.8E2	0.149	3966	7824	Sisma Y SLO	0	5.8	0	0	1.8E2	0.149
3967	7824	Sisma X SLD	4.8	0	0	0	1.8E2	0.149	3968	7824	Sisma Y SLD	0	4.8	0	0	1.8E2	0.149
3969	7825	Sisma X SLV	9.7	0	0	0	1.6E2	0.149	3970	7825	Sisma Y SLV	0	9.7	0	0	1.6E2	0.149
3971	7825	Sisma X SLO	5.2	0	0	0	1.6E2	0.149	3972	7825	Sisma Y SLO	0	5.2	0	0	1.6E2	0.149
3973	7825	Sisma X SLD	4.3	0	0	0	1.6E2	0.149	3974	7825	Sisma Y SLD	0	4.3	0	0	1.6E2	0.149
3975	7826	Sisma X SLV	9.7	0	0	0	1.6E2	0.149	3976	7826	Sisma Y SLV	0	9.7	0	0	1.6E2	0.149
3977	7826	Sisma X SLO	5.2	0	0	0	1.6E2	0.149	3978	7826	Sisma Y SLO	0	5.2	0	0	1.6E2	0.149
3979	7826	Sisma X SLD	4.3	0	0	0	1.6E2	0.149	3980	7826	Sisma Y SLD	0	4.3	0	0	1.6E2	0.149
3981	7827	Sisma X SLV	5.4	0	0	0	9.1E1	0.149	3982	7827	Sisma Y SLV	0	5.4	0	0	9.1E1	0.149
3983	7827	Sisma X SLO	2.9	0	0	0	9.1E1	0.149	3984	7827	Sisma Y SLO	0	2.9	0	0	9.1E1	0.149
3985	7827	Sisma X SLD	2.4	0	0	0	9.1E1	0.149	3986	7827	Sisma Y SLD	0	2.4	0	0	9.1E1	0.149
3987	7828	Sisma X SLV	9.6	0	0	0	1.6E2	0.149	3988	7828	Sisma Y SLV	0	9.6	0	0	1.6E2	0.149
3989	7828	Sisma X SLO	5.1	0	0	0	1.6E2	0.149	3990	7828	Sisma Y SLO	0	5.1	0	0	1.6E2	0.149
3991	7828	Sisma X SLD	4.2	0	0	0	1.6E2	0.149	3992	7828	Sisma Y SLD	0	4.2	0	0	1.6E2	0.149
3993	7829	Sisma X SLV	9.5	0	0	0	1.6E2	0.149	3994	7829	Sisma Y SLV	0	9.5	0	0	1.6E2	0.149
3995	7829	Sisma X SLO	5.1	0	0	0	1.6E2	0.149	3996	7829	Sisma Y SLO	0	5.1	0	0	1.6E2	0.149
3997	7829	Sisma X SLD	4.2	0	0	0	1.6E2	0.149	3998	7829	Sisma Y SLD	0	4.2	0	0	1.6E2	0.149
3999	7830	Sisma X SLV	9.8	0	0	0	1.7E2	0.149	4000	7830	Sisma Y SLV	0	9.8	0	0	1.7E2	0.149
4001	7830	Sisma X SLO	5.3	0	0	0	1.7E2	0.149	4002	7830	Sisma Y SLO	0	5.3	0	0	1.7E2	0.149
4003	7830	Sisma X SLD	4.4	0	0	0	1.7E2	0.149	4004	7830	Sisma Y SLD	0	4.4	0	0	1.7E2	0.149
4005	7831	Sisma X SLV	9.5	0	0	0	1.6E2	0.149	4006	7831	Sisma Y SLV	0	9.5	0	0	1.6E2	0.149
4007	7831	Sisma X SLO	5	0	0	0	1.6E2	0.149	4008	7831	Sisma Y SLO	0	5	0	0	1.6E2	0.149
4009	7831	Sisma X SLD	4.2	0	0	0	1.6E2	0.149	4010	7831	Sisma Y SLD	0	4.2	0	0	1.6E2	0.149
4011	7832	Sisma X SLV	9.4	0	0	0	1.6E2	0.149	4012	7832	Sisma Y SLV	0	9.4	0	0	1.6E2	0.149
4013	7832	Sisma X SLO	5	0	0	0	1.6E2	0.149	4014	7832	Sisma Y SLO	0	5	0	0	1.6E2	0.149
4015	7832	Sisma X SLD	4.2	0	0	0	1.6E2	0.149	4016	7832	Sisma Y SLD	0	4.2	0	0	1.6E2	0.149
4017	7833	Sisma X SLV	9.3	0	0	0	1.6E2	0.149	4018	7833	Sisma Y SLV	0	9.3	0	0	1.6E2	0.149
4019	7833	Sisma X SLO	5	0	0	0	1.6E2	0.149	4020	7833	Sisma Y SLO	0	5	0	0	1.6E2	0.149
4021	7833	Sisma X SLD	4.1	0	0	0	1.6E2	0.149	4022	7833	Sisma Y SLD	0	4.1	0	0	1.6E2	0.149
4023	7834	Sisma X SLV	9.3	0	0	0	1.6E2	0.149	4024	7834	Sisma Y SLV	0	9.3	0	0	1.6E2	0.149
4025	7834	Sisma X SLO	4.9	0	0	0	1.6E2	0.149	4026	7834	Sisma Y SLO	0	4.9	0	0	1.6E2	0.149
4027	7834	Sisma X SLD	4.1	0	0	0	1.6E2	0.149	4028	7834	Sisma Y SLD	0	4.1	0	0	1.6E2	0.149
4029	7835	Sisma X SLV	9.2	0	0	0	1.5E2	0.149	4030	7835	Sisma Y SLV	0	9.2	0	0	1.5E2	0.149
4031	7835	Sisma X SLO	4.9	0	0	0	1.5E2	0.149	4032	7835	Sisma Y SLO	0	4.9	0	0	1.5E2	0.149
4033	7835	Sisma X SLD	4.1	0	0	0	1.5E2	0.149	4034	7835	Sisma Y SLD	0	4.1	0	0	1.5E2	0.149
4035	7836	Sisma X SLV	9.2	0	0	0	1.5E2	0.149	4036	7836	Sisma Y SLV	0	9.2	0	0	1.5E2	0.149
4037	7836	Sisma X SLO	4.9	0	0	0	1.5E2	0.149	4038	7836	Sisma Y SLO	0	4.9	0	0	1.5E2	0.149
4039	7836	Sisma X SLD	4.1	0	0	0	1.5E2	0.149	4040	7836	Sisma Y SLD	0	4.1	0	0	1.5E2	0.149
4041	7837	Sisma X SLV	9.9	0	0	0	1.7E2	0.15	4042	7837	Sisma Y SLV	0	9.9	0	0	1.7E2	0.15
4043	7837	Sisma X SLO	5.3	0	0	0	1.7E2	0.15	4044	7837	Sisma Y SLO	0	5.3	0	0	1.7E2	0.15
4045	7837	Sisma X SLD	4.4	0	0	0	1.7E2	0.15	4046	7837	Sisma Y SLD	0	4.4	0	0	1.7E2	0.15
4047	7838	Sisma X SLV	9.3	0	0	0	1.6E2	0.15	4048	7838	Sisma Y SLV	0	9.3	0	0	1.6E2	0.15
4049	7838	Sisma X SLO	5	0	0	0	1.6E2	0.15	4050	7838	Sisma Y SLO	0	5	0	0	1.6E2	0.15
4051	7838	Sisma X SLD	4.1	0	0	0	1.6E2	0.15	4052	7838	Sisma Y SLD	0	4.1	0	0	1.6E2	0.15
4053	7839	Sisma X SLV	9.5	0	0	0	1.6E2	0.15	4054	7839	Sisma Y SLV	0	9.5	0	0	1.6E2	0.15
4055	7839	Sisma X SLO	5.1	0	0	0	1.6E2	0.15	4056	7839	Sisma Y SLO	0	5.1	0	0	1.6E2	0.15
4057	7839	Sisma X SLD	4.2	0	0	0	1.6E2	0.15	4058	7839	Sisma Y SLD	0	4.2	0	0	1.6E2	0.15
4059	7840	Sisma X SLV	9.7	0	0	0	1.6E2	0.15	4060	7840	Sisma Y SLV	0	9.7	0	0	1.6E2	0.15
4061	7840	Sisma X SLO	5.2	0	0	0	1.6E2	0.15	4062	7840	Sisma Y SLO	0	5.2	0	0	1.6E2	0.15
4063	7840	Sisma X SLD	4.3	0	0	0	1.6E2	0.15	4064	7840	Sisma Y SLD	0	4.3	0	0	1.6E2	0.15
4065	7841	Sisma X SLV	10	0	0	0	1.7E2	0.15	4066	7841	Sisma Y SLV	0	10	0	0	1.7E2	0.15
4067	7841	Sisma X SLO	5.3	0	0	0	1.7E2	0.15	4068	7841	Sisma Y SLO	0	5.3	0	0	1.7E2	0.15
4069	7841	Sisma X SLD	4.4	0	0	0	1.7E2	0.15	4070	7841	Sisma Y SLD	0	4.4	0	0	1.7E2	0.15
4071	7842	Sisma X SLV	9.8	0	0	0	1.6E2	0.15	4072	7842	Sisma Y SLV	0	9.8	0	0	1.6E2	0.15
4073	7842	Sisma X SLO	5.2	0	0	0	1.6E2	0.15	4074	7842	Sisma Y SLO	0	5.2	0	0	1.6E2	0.15
4075	7842	Sisma X SLD	4.4	0	0	0	1.6E2	0.15	4076	7842	Sisma Y SLD	0	4.4	0	0	1.6E2	0.15
4077	7843	Sisma X SLV	9.9	0	0	0	1.7E2	0.15	4078	7843	Sisma Y SLV	0	9.9	0	0	1.7E2	0.15
4079	7843	Sisma X SLO	5.3	0	0	0	1.7E2	0.15	4080	7843	Sisma Y SLO	0	5.3	0	0	1.7E2	0.15
4081	7843	Sisma X SLD	4.4	0	0	0	1.7E2	0.15	4082	7843	Sisma Y SLD	0	4.4	0	0	1.7E2	0.15
4083	7844	Sisma X SLV	5.3	0	0	0	8.8E1	0.15	4084	7844	Sisma Y SLV	0	5.3	0	0	8.8E1	0.15
4085	7844	Sisma X SLO	2.8	0	0	0	8.8E1	0.15	4086	7844	Sisma Y SLO	0	2.8	0	0	8.8E1	0.15
4087	7844	Sisma X SLD	2.3	0	0	0	8.8E1	0.15	4088	7844	Sisma Y SLD	0	2.3	0	0	8.8E1	0.15
4089	7845	Sisma X SLV	4.3	0	0	0	7.1E1	0.153	4090	7845	Sisma Y SLV	0	4.3	0	0	7.1E1	0.153
4091	7845	Sisma X SLO	2.3	0	0	0	7.1E1	0.153	4092	7845	Sisma Y SLO	0	2.3	0	0	7.1E1	0.153
4093	7845	Sisma X SLD	1.9	0	0	0	7.1E1	0.153	4094	7845	Sisma Y SLD	0	1.9	0	0	7.1E1	0.153
4095	7846	Sisma X SLV	4.2	0	0	0	6.8E1	0.153	4096	7846	Sisma Y SLV	0	4.2	0	0	6.8E1	0.153
4097	7846	Sisma X SLO	2.2	0	0	0	6.8E1	0.153	4098	7846	Sisma Y SLO	0	2.2	0	0	6.8E1	0.153
4099	7846	Sisma X SLD	1.8	0	0	0	6.8E1	0.153	4100	7846	Sisma Y SLD	0	1.8	0	0	6.8E1	0.153
4101	7847	Sisma X SLV	4.5	0	0	0	7.4E1	0.154	4102	7847	Sisma Y SLV	0	4.5	0	0	7.4E1	0.154
4103	7847	Sisma X SLO	2.4	0	0	0	7.4E1	0.154	4104	7847	Sisma Y SLO	0	2.4	0	0	7.4E1	0.154
4105	7847	Sisma X SLD	2	0	0	0	7.4E1	0.154	4106	7847	Sisma Y SLD	0	2	0	0	7.4E1	0.154
4107	7848	Sisma X SLV	4.8	0	0	0	7.8E1	0.154	4108	7848	Sisma Y SLV	0	4.8	0	0	7.8E1	0.154
4109	7848	Sisma X SLO	2.6	0	0	0	7.8E1	0.154	4110	7848	Sisma Y SLO	0	2.6	0	0	7.8E1	0.154
4111	7848	Sisma X SLD	2.1	0	0	0	7.8E1	0.154	4112	7848	Sisma Y SLD	0	2.1	0	0	7.8E1	0.154

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
4113	7849	Sisma X SLV	4.3	0	0	0	6.9E1	0.155	4114	7849	Sisma Y SLV	0	4.3	0	0	6.9E1	0.155
4115	7849	Sisma X SLO	2.3	0	0	0	6.9E1	0.155	4116	7849	Sisma Y SLO	0	2.3	0	0	6.9E1	0.155
4117	7849	Sisma X SLD	1.9	0	0	0	6.9E1	0.155	4118	7849	Sisma Y SLD	0	1.9	0	0	6.9E1	0.155
4119	7850	Sisma X SLV	3.8	0	0	0	61.87	0.155	4120	7850	Sisma Y SLV	0	3.8	0	0	61.87	0.155
4121	7850	Sisma X SLO	2	0	0	0	61.87	0.155	4122	7850	Sisma Y SLO	0	2	0	0	61.87	0.155
4123	7850	Sisma X SLD	1.7	0	0	0	61.87	0.155	4124	7850	Sisma Y SLD	0	1.7	0	0	61.87	0.155
4125	7851	Sisma X SLV	4.9	0	0	0	7.9E1	0.155	4126	7851	Sisma Y SLV	0	4.9	0	0	7.9E1	0.155
4127	7851	Sisma X SLO	2.6	0	0	0	7.9E1	0.155	4128	7851	Sisma Y SLO	0	2.6	0	0	7.9E1	0.155
4129	7851	Sisma X SLD	2.2	0	0	0	7.9E1	0.155	4130	7851	Sisma Y SLD	0	2.2	0	0	7.9E1	0.155
4131	7852	Sisma X SLV	5.3	0	0	0	8.5E1	0.156	4132	7852	Sisma Y SLV	0	5.3	0	0	8.5E1	0.156
4133	7852	Sisma X SLO	2.8	0	0	0	8.5E1	0.156	4134	7852	Sisma Y SLO	0	2.8	0	0	8.5E1	0.156
4135	7852	Sisma X SLD	2.3	0	0	0	8.5E1	0.156	4136	7852	Sisma Y SLD	0	2.3	0	0	8.5E1	0.156
4137	7853	Sisma X SLV	4	0	0	0	6.4E1	0.157	4138	7853	Sisma Y SLV	0	4	0	0	6.4E1	0.157
4139	7853	Sisma X SLO	2.1	0	0	0	6.4E1	0.157	4140	7853	Sisma Y SLO	0	2.1	0	0	6.4E1	0.157
4141	7853	Sisma X SLD	1.8	0	0	0	6.4E1	0.157	4142	7853	Sisma Y SLD	0	1.8	0	0	6.4E1	0.157
4143	7854	Sisma X SLV	4.6	0	0	0	7.3E1	0.157	4144	7854	Sisma Y SLV	0	4.6	0	0	7.3E1	0.157
4145	7854	Sisma X SLO	2.4	0	0	0	7.3E1	0.157	4146	7854	Sisma Y SLO	0	2.4	0	0	7.3E1	0.157
4147	7854	Sisma X SLD	2	0	0	0	7.3E1	0.157	4148	7854	Sisma Y SLD	0	2	0	0	7.3E1	0.157
4149	7855	Sisma X SLV	4.6	0	0	0	7.3E1	0.159	4150	7855	Sisma Y SLV	0	4.6	0	0	7.3E1	0.159
4151	7855	Sisma X SLO	2.5	0	0	0	7.3E1	0.159	4152	7855	Sisma Y SLO	0	2.5	0	0	7.3E1	0.159
4153	7855	Sisma X SLD	2.1	0	0	0	7.3E1	0.159	4154	7855	Sisma Y SLD	0	2.1	0	0	7.3E1	0.159
4155	7856	Sisma X SLV	4.7	0	0	0	7.3E1	0.161	4156	7856	Sisma Y SLV	0	4.7	0	0	7.3E1	0.161
4157	7856	Sisma X SLO	2.5	0	0	0	7.3E1	0.161	4158	7856	Sisma Y SLO	0	2.5	0	0	7.3E1	0.161
4159	7856	Sisma X SLD	2.1	0	0	0	7.3E1	0.161	4160	7856	Sisma Y SLD	0	2.1	0	0	7.3E1	0.161
4161	7857	Sisma X SLV	4.8	0	0	0	7.3E1	0.164	4162	7857	Sisma Y SLV	0	4.8	0	0	7.3E1	0.164
4163	7857	Sisma X SLO	2.6	0	0	0	7.3E1	0.164	4164	7857	Sisma Y SLO	0	2.6	0	0	7.3E1	0.164
4165	7857	Sisma X SLD	2.1	0	0	0	7.3E1	0.164	4166	7857	Sisma Y SLD	0	2.1	0	0	7.3E1	0.164
4167	7858	Sisma X SLV	7.8	0	0	0	1.2E2	0.168	4168	7858	Sisma Y SLV	0	7.8	0	0	1.2E2	0.168
4169	7858	Sisma X SLO	4.1	0	0	0	1.2E2	0.168	4170	7858	Sisma Y SLO	0	4.1	0	0	1.2E2	0.168
4171	7858	Sisma X SLD	3.4	0	0	0	1.2E2	0.168	4172	7858	Sisma Y SLD	0	3.4	0	0	1.2E2	0.168
4173	7859	Sisma X SLV	6.4	0	0	0	8.3E1	0.194	4174	7859	Sisma Y SLV	0	6.4	0	0	8.3E1	0.194
4175	7859	Sisma X SLO	3.4	0	0	0	8.3E1	0.194	4176	7859	Sisma Y SLO	0	3.4	0	0	8.3E1	0.194
4177	7859	Sisma X SLD	2.8	0	0	0	8.3E1	0.194	4178	7859	Sisma Y SLD	0	2.8	0	0	8.3E1	0.194
4179	7860	Sisma X SLV	7.4	0	0	0	9.0E1	0.206	4180	7860	Sisma Y SLV	0	7.4	0	0	9.0E1	0.206
4181	7860	Sisma X SLO	4	0	0	0	9.0E1	0.206	4182	7860	Sisma Y SLO	0	4	0	0	9.0E1	0.206
4183	7860	Sisma X SLD	3.3	0	0	0	9.0E1	0.206	4184	7860	Sisma Y SLD	0	3.3	0	0	9.0E1	0.206
4185	7861	Sisma X SLV	4.4	0	0	0	5.3E1	0.209	4186	7861	Sisma Y SLV	0	4.4	0	0	5.3E1	0.209
4187	7861	Sisma X SLO	2.4	0	0	0	5.3E1	0.209	4188	7861	Sisma Y SLO	0	2.4	0	0	5.3E1	0.209
4189	7861	Sisma X SLD	2	0	0	0	5.3E1	0.209	4190	7861	Sisma Y SLD	0	2	0	0	5.3E1	0.209
4191	7862	Sisma X SLV	4.4	0	0	0	5.3E1	0.209	4192	7862	Sisma Y SLV	0	4.4	0	0	5.3E1	0.209
4193	7862	Sisma X SLO	2.4	0	0	0	5.3E1	0.209	4194	7862	Sisma Y SLO	0	2.4	0	0	5.3E1	0.209
4195	7862	Sisma X SLD	2	0	0	0	5.3E1	0.209	4196	7862	Sisma Y SLD	0	2	0	0	5.3E1	0.209
4197	7863	Sisma X SLV	6.7	0	0	0	8.0E1	0.209	4198	7863	Sisma Y SLV	0	6.7	0	0	8.0E1	0.209
4199	7863	Sisma X SLO	3.6	0	0	0	8.0E1	0.209	4200	7863	Sisma Y SLO	0	3.6	0	0	8.0E1	0.209
4201	7863	Sisma X SLD	3	0	0	0	8.0E1	0.209	4202	7863	Sisma Y SLD	0	3	0	0	8.0E1	0.209
4203	7864	Sisma X SLV	16.3	0	0	0	2.0E2	0.209	4204	7864	Sisma Y SLV	0	16.3	0	0	2.0E2	0.209
4205	7864	Sisma X SLO	8.7	0	0	0	2.0E2	0.209	4206	7864	Sisma Y SLO	0	8.7	0	0	2.0E2	0.209
4207	7864	Sisma X SLD	7.2	0	0	0	2.0E2	0.209	4208	7864	Sisma Y SLD	0	7.2	0	0	2.0E2	0.209
4209	7865	Sisma X SLV	13.5	0	0	0	1.6E2	0.212	4210	7865	Sisma Y SLV	0	13.5	0	0	1.6E2	0.212
4211	7865	Sisma X SLO	7.2	0	0	0	1.6E2	0.212	4212	7865	Sisma Y SLO	0	7.2	0	0	1.6E2	0.212
4213	7865	Sisma X SLD	6	0	0	0	1.6E2	0.212	4214	7865	Sisma Y SLD	0	6	0	0	1.6E2	0.212
4215	7866	Sisma X SLV	5.9	0	0	0	7.0E1	0.213	4216	7866	Sisma Y SLV	0	5.9	0	0	7.0E1	0.213
4217	7866	Sisma X SLO	3.2	0	0	0	7.0E1	0.213	4218	7866	Sisma Y SLO	0	3.2	0	0	7.0E1	0.213
4219	7866	Sisma X SLD	2.6	0	0	0	7.0E1	0.213	4220	7866	Sisma Y SLD	0	2.6	0	0	7.0E1	0.213
4221	7867	Sisma X SLV	8.4	0	0	0	9.9E1	0.213	4222	7867	Sisma Y SLV	0	8.4	0	0	9.9E1	0.213
4223	7867	Sisma X SLO	4.5	0	0	0	9.9E1	0.213	4224	7867	Sisma Y SLO	0	4.5	0	0	9.9E1	0.213
4225	7867	Sisma X SLD	3.7	0	0	0	9.9E1	0.213	4226	7867	Sisma Y SLD	0	3.7	0	0	9.9E1	0.213
4227	7868	Sisma X SLV	13.7	0	0	0	1.6E2	0.214	4228	7868	Sisma Y SLV	0	13.7	0	0	1.6E2	0.214
4229	7868	Sisma X SLO	7.3	0	0	0	1.6E2	0.214	4230	7868	Sisma Y SLO	0	7.3	0	0	1.6E2	0.214
4231	7868	Sisma X SLD	6.1	0	0	0	1.6E2	0.214	4232	7868	Sisma Y SLD	0	6.1	0	0	1.6E2	0.214
4233	7869	Sisma X SLV	13.4	0	0	0	1.6E2	0.215	4234	7869	Sisma Y SLV	0	13.4	0	0	1.6E2	0.215
4235	7869	Sisma X SLO	7.1	0	0	0	1.6E2	0.215	4236	7869	Sisma Y SLO	0	7.1	0	0	1.6E2	0.215
4237	7869	Sisma X SLD	5.9	0	0	0	1.6E2	0.215	4238	7869	Sisma Y SLD	0	5.9	0	0	1.6E2	0.215
4239	7870	Sisma X SLV	10	0	0	0	1.2E2	0.215	4240	7870	Sisma Y SLV	0	10	0	0	1.2E2	0.215
4241	7870	Sisma X SLO	5.3	0	0	0	1.2E2	0.215	4242	7870	Sisma Y SLO	0	5.3	0	0	1.2E2	0.215
4243	7870	Sisma X SLD	4.4	0	0	0	1.2E2	0.215	4244	7870	Sisma Y SLD	0	4.4	0	0	1.2E2	0.215
4245	7871	Sisma X SLV	13.3	0	0	0	155.4	0.215	4246	7871	Sisma Y SLV	0	13.3	0	0	155.4	0.215
4247	7871	Sisma X SLO	7.1	0	0	0	155.4	0.215	4248	7871	Sisma Y SLO	0	7.1	0	0	155.4	0.215
4249	7871	Sisma X SLD	5.9	0	0	0	155.4	0.215	4250	7871	Sisma Y SLD	0	5.9	0	0	155.4	0.215
4251	7872	Sisma X SLV	12.6	0	0	0	1.5E2	0.215	4252	7872	Sisma Y SLV	0	12.6	0	0	1.5E2	0.215
4253	7872	Sisma X SLO	6.7	0	0	0	1.5E2	0.215	4254	7872	Sisma Y SLO	0	6.7	0	0	1.5E2	0.215
4255	7872	Sisma X SLD	5.6	0	0	0	1.5E2	0.215	4256	7872	Sisma Y SLD	0	5.6	0	0	1.5E2	0.215
4257	7873	Sisma X SLV	13.9	0	0	0	1.6E2	0.215	4258	7873	Sisma Y SLV	0	13.9	0	0	1.6E2	0.215
4259	7873	Sisma X SLO	7.4	0	0	0	1.6E2	0.215	4260	7873	Sisma Y SLO	0	7.4	0	0	1.6E2	0.215
4261	7873	Sisma X SLD	6.2	0	0	0	1.6E2	0.215	4262	7873	Sisma Y SLD	0	6.2	0	0	1.6E2	0.215
4263	7874	Sisma X SLV	9.8	0	0	0	1.1E2	0.215	4264	7874	Sisma Y SLV	0	9.8	0	0	1.1E2	0.215
4265	7874	Sisma X SLO	5.2	0	0	0	1.1E2	0.215	4266	7874	Sisma Y SLO	0	5.2	0	0	1.1E2	0.215
4267	7874	Sisma X SLD	4.4	0	0	0	1.1E2	0.215	4268	7874	Sisma Y SLD	0	4.4	0	0	1.1E2	0.215
4269	7875	Sisma X SLV	12.4	0	0	0	1.4E2	0.215	4270	7875	Sisma Y SLV	0	12.4	0	0	1.4E2	0.215
4271	7875	Sisma X SLO	6.6	0	0	0	1.4E2	0.215	4272	7875	Sisma Y SLO	0	6.6	0	0	1.4E2	0.215
4273	7875	Sisma X SLD	5.5	0	0	0	1.4E2	0.215	4274	7875	Sisma Y SLD	0	5.5	0	0	1.4E2	0.215
4275	7876	Sisma X SLV	9.9	0	0	0	1.1E2	0.216	4276	7876	Sisma Y SLV	0	9.9	0	0	1.1E2	0.216
4277	7876	Sisma X SLO	5.3	0	0	0	1.1E2	0.216	4278	7876	Sisma Y SLO	0	5.3	0	0	1.1E2	0.216
4279	7876	Sisma X SLD	4.4	0	0	0	1.1E2	0.216	4280	7876	Sisma Y SLD	0	4.4	0	0	1.1E2	0.216
4281	7877	Sisma X SLV	10.3	0	0	0	1.2E2	0.216	4282	7877	Sisma Y SLV	0	10.3	0	0	1.2E2	0.216
4283	7877	Sisma X SLO	5.5	0	0	0	1.2E2	0.216	4284	7877	Sisma Y SLO	0	5.5	0	0	1.2E2	0.216
4285	7877	Sisma X SLD	4.6	0	0	0	1.2E2	0.216	4286	7877	Sisma Y SLD	0	4.6	0	0	1.2E2	0.216
4287	7878	Sisma X SLV	13	0	0	0	1.5E2	0.216	4288	7878	Sisma Y SLV	0	13	0	0	1.5E2	0.216
4289	7878	Sisma X SLO	6.9	0	0	0	1.5E2	0.216	4290	7878	Sisma Y SLO	0	6.9	0	0	1.5E2	0.216
4291	7878	Sisma X SLD	5.8	0	0	0	1.5E2	0.216	4292	7878	Sisma Y SLD	0	5.8	0	0	1.5E2	0.216
4293	7879	Sisma X SLV	12.3	0	0	0	1.4E2	0.216	4294	7879	Sisma Y SLV	0	12.3	0	0	1.4E2	0.216
4295	7879	Sisma X SLO	6.6	0	0	0	1.4E2	0.216	4296	7879	Sisma Y SLO	0	6.6	0	0	1.4E2	0.216
4297	7879	Sisma X SLD	5.5	0	0	0	1.4E2	0.216	4298	7879	Sisma Y SLD	0	5.5	0	0	1.4E2	0.216
4299	7880	Sisma X SLV	14.1	0	0	0	1.6E2	0.216	4300	7880	Sisma Y SLV	0	14.1	0	0	1.6E2	0.216
4301	7880	Sisma X SLO	7.5	0	0	0	1.6E2	0.216	4302	7880	Sisma Y SLO	0	7.5	0	0	1.6E2	0.216
4303	7880	Sisma X SLD	6.2	0	0	0	1.6E2	0.216	4304	7880	Sisma Y SLD	0	6.2	0	0	1.6E2	0.216
4305	7881	Sisma X SLV	9.6	0	0	0	1.1E2	0.216	4306	7881	Sisma Y SLV	0	9.6	0	0	1.1E2	0.216
4307	7881	Sisma X SLO	5.1	0	0	0	1.1E2	0.216	4308	7881	Sisma Y SLO	0	5.1	0	0	1.1E2	0.216
4309	7881	Sisma X SLD	4.3	0	0	0	1.1E2	0.216	4310	7881	Sisma Y SLD	0	4.3	0	0	1.1E2	0.216
4311	7882	Sisma X SLV	13.3	0	0	0	1.5E2	0.217	4312	7882	Sisma Y SLV	0	13.3	0	0	1.5E2	0.217

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
4313	7882	Sisma X SLO	7.1	0	0	0	1.5E2	0.217	4314	7882	Sisma Y SLO	0	7.1	0	0	1.5E2	0.217
4315	7882	Sisma X SLD	5.9	0	0	0	1.5E2	0.217	4316	7882	Sisma Y SLD	0	5.9	0	0	1.5E2	0.217
4317	7883	Sisma X SLV	12.5	0	0	0	1.4E2	0.217	4318	7883	Sisma Y SLV	0	12.5	0	0	1.4E2	0.217
4319	7883	Sisma X SLO	6.6	0	0	0	1.4E2	0.217	4320	7883	Sisma Y SLO	0	6.6	0	0	1.4E2	0.217
4321	7883	Sisma X SLD	5.5	0	0	0	1.4E2	0.217	4322	7883	Sisma Y SLD	0	5.5	0	0	1.4E2	0.217
4323	7884	Sisma X SLV	12.1	0	0	0	1.4E2	0.217	4324	7884	Sisma Y SLV	0	12.1	0	0	1.4E2	0.217
4325	7884	Sisma X SLO	6.5	0	0	0	1.4E2	0.217	4326	7884	Sisma Y SLO	0	6.5	0	0	1.4E2	0.217
4327	7884	Sisma X SLD	5.4	0	0	0	1.4E2	0.217	4328	7884	Sisma Y SLD	0	5.4	0	0	1.4E2	0.217
4329	7885	Sisma X SLV	11.8	0	0	0	1.4E2	0.217	4330	7885	Sisma Y SLV	0	11.8	0	0	1.4E2	0.217
4331	7885	Sisma X SLO	6.3	0	0	0	1.4E2	0.217	4332	7885	Sisma Y SLO	0	6.3	0	0	1.4E2	0.217
4333	7885	Sisma X SLD	5.2	0	0	0	1.4E2	0.217	4334	7885	Sisma Y SLD	0	5.2	0	0	1.4E2	0.217
4335	7886	Sisma X SLV	14.2	0	0	0	1.6E2	0.217	4336	7886	Sisma Y SLV	0	14.2	0	0	1.6E2	0.217
4337	7886	Sisma X SLO	7.6	0	0	0	1.6E2	0.217	4338	7886	Sisma Y SLO	0	7.6	0	0	1.6E2	0.217
4339	7886	Sisma X SLD	6.3	0	0	0	1.6E2	0.217	4340	7886	Sisma Y SLD	0	6.3	0	0	1.6E2	0.217
4341	7887	Sisma X SLV	8.4	0	0	0	9.7E1	0.217	4342	7887	Sisma Y SLV	0	8.4	0	0	9.7E1	0.217
4343	7887	Sisma X SLO	4.5	0	0	0	9.7E1	0.217	4344	7887	Sisma Y SLO	0	4.5	0	0	9.7E1	0.217
4345	7887	Sisma X SLD	3.7	0	0	0	9.7E1	0.217	4346	7887	Sisma Y SLD	0	3.7	0	0	9.7E1	0.217
4347	7888	Sisma X SLV	16.8	0	0	0	1.9E2	0.218	4348	7888	Sisma Y SLV	0	16.8	0	0	1.9E2	0.218
4349	7888	Sisma X SLO	9	0	0	0	1.9E2	0.218	4350	7888	Sisma Y SLO	0	9	0	0	1.9E2	0.218
4351	7888	Sisma X SLD	7.5	0	0	0	1.9E2	0.218	4352	7888	Sisma Y SLD	0	7.5	0	0	1.9E2	0.218
4353	7889	Sisma X SLV	9.8	0	0	0	1.1E2	0.218	4354	7889	Sisma Y SLV	0	9.8	0	0	1.1E2	0.218
4355	7889	Sisma X SLO	5.2	0	0	0	1.1E2	0.218	4356	7889	Sisma Y SLO	0	5.2	0	0	1.1E2	0.218
4357	7889	Sisma X SLD	4.3	0	0	0	1.1E2	0.218	4358	7889	Sisma Y SLD	0	4.3	0	0	1.1E2	0.218
4359	7890	Sisma X SLV	6.9	0	0	0	7.9E1	0.218	4360	7890	Sisma Y SLV	0	6.9	0	0	7.9E1	0.218
4361	7890	Sisma X SLO	3.7	0	0	0	7.9E1	0.218	4362	7890	Sisma Y SLO	0	3.7	0	0	7.9E1	0.218
4363	7890	Sisma X SLD	3	0	0	0	7.9E1	0.218	4364	7890	Sisma Y SLD	0	3	0	0	7.9E1	0.218
4365	7891	Sisma X SLV	14.8	0	0	0	1.7E2	0.218	4366	7891	Sisma Y SLV	0	14.8	0	0	1.7E2	0.218
4367	7891	Sisma X SLO	7.9	0	0	0	1.7E2	0.218	4368	7891	Sisma Y SLO	0	7.9	0	0	1.7E2	0.218
4369	7891	Sisma X SLD	6.5	0	0	0	1.7E2	0.218	4370	7891	Sisma Y SLD	0	6.5	0	0	1.7E2	0.218
4371	7892	Sisma X SLV	9.1	0	0	0	1.0E2	0.218	4372	7892	Sisma Y SLV	0	9.1	0	0	1.0E2	0.218
4373	7892	Sisma X SLO	4.9	0	0	0	1.0E2	0.218	4374	7892	Sisma Y SLO	0	4.9	0	0	1.0E2	0.218
4375	7892	Sisma X SLD	4	0	0	0	1.0E2	0.218	4376	7892	Sisma Y SLD	0	4	0	0	1.0E2	0.218
4377	7893	Sisma X SLV	4.6	0	0	0	5.2E1	0.218	4378	7893	Sisma Y SLV	0	4.6	0	0	5.2E1	0.218
4379	7893	Sisma X SLO	2.4	0	0	0	5.2E1	0.218	4380	7893	Sisma Y SLO	0	2.4	0	0	5.2E1	0.218
4381	7893	Sisma X SLD	2	0	0	0	5.2E1	0.218	4382	7893	Sisma Y SLD	0	2	0	0	5.2E1	0.218
4383	7894	Sisma X SLV	6.5	0	0	0	7.5E1	0.218	4384	7894	Sisma Y SLV	0	6.5	0	0	7.5E1	0.218
4385	7894	Sisma X SLO	3.5	0	0	0	7.5E1	0.218	4386	7894	Sisma Y SLO	0	3.5	0	0	7.5E1	0.218
4387	7894	Sisma X SLD	2.9	0	0	0	7.5E1	0.218	4388	7894	Sisma Y SLD	0	2.9	0	0	7.5E1	0.218
4389	7895	Sisma X SLV	6.6	0	0	0	7.6E1	0.218	4390	7895	Sisma Y SLV	0	6.6	0	0	7.6E1	0.218
4391	7895	Sisma X SLO	3.5	0	0	0	7.6E1	0.218	4392	7895	Sisma Y SLO	0	3.5	0	0	7.6E1	0.218
4393	7895	Sisma X SLD	2.9	0	0	0	7.6E1	0.218	4394	7895	Sisma Y SLD	0	2.9	0	0	7.6E1	0.218
4395	7896	Sisma X SLV	4.8	0	0	0	5.5E1	0.218	4396	7896	Sisma Y SLV	0	4.8	0	0	5.5E1	0.218
4397	7896	Sisma X SLO	2.5	0	0	0	5.5E1	0.218	4398	7896	Sisma Y SLO	0	2.5	0	0	5.5E1	0.218
4399	7896	Sisma X SLD	2.1	0	0	0	5.5E1	0.218	4400	7896	Sisma Y SLD	0	2.1	0	0	5.5E1	0.218
4401	7897	Sisma X SLV	4.7	0	0	0	5.4E1	0.218	4402	7897	Sisma Y SLV	0	4.7	0	0	5.4E1	0.218
4403	7897	Sisma X SLO	2.5	0	0	0	5.4E1	0.218	4404	7897	Sisma Y SLO	0	2.5	0	0	5.4E1	0.218
4405	7897	Sisma X SLD	2.1	0	0	0	5.4E1	0.218	4406	7897	Sisma Y SLD	0	2.1	0	0	5.4E1	0.218
4407	7898	Sisma X SLV	6	0	0	0	6.9E1	0.218	4408	7898	Sisma Y SLV	0	6	0	0	6.9E1	0.218
4409	7898	Sisma X SLO	3.2	0	0	0	6.9E1	0.218	4410	7898	Sisma Y SLO	0	3.2	0	0	6.9E1	0.218
4411	7898	Sisma X SLD	2.7	0	0	0	6.9E1	0.218	4412	7898	Sisma Y SLD	0	2.7	0	0	6.9E1	0.218
4413	7899	Sisma X SLV	6.3	0	0	0	7.2E1	0.218	4414	7899	Sisma Y SLV	0	6.3	0	0	7.2E1	0.218
4415	7899	Sisma X SLO	3.4	0	0	0	7.2E1	0.218	4416	7899	Sisma Y SLO	0	3.4	0	0	7.2E1	0.218
4417	7899	Sisma X SLD	2.8	0	0	0	7.2E1	0.218	4418	7899	Sisma Y SLD	0	2.8	0	0	7.2E1	0.218
4419	7900	Sisma X SLV	6.2	0	0	0	7.1E1	0.218	4420	7900	Sisma Y SLV	0	6.2	0	0	7.1E1	0.218
4421	7900	Sisma X SLO	3.3	0	0	0	7.1E1	0.218	4422	7900	Sisma Y SLO	0	3.3	0	0	7.1E1	0.218
4423	7900	Sisma X SLD	2.7	0	0	0	7.1E1	0.218	4424	7900	Sisma Y SLD	0	2.7	0	0	7.1E1	0.218
4425	7901	Sisma X SLV	6.9	0	0	0	79.62	0.218	4426	7901	Sisma Y SLV	0	6.9	0	0	79.62	0.218
4427	7901	Sisma X SLO	3.7	0	0	0	79.62	0.218	4428	7901	Sisma Y SLO	0	3.7	0	0	79.62	0.218
4429	7901	Sisma X SLD	3.1	0	0	0	79.62	0.218	4430	7901	Sisma Y SLD	0	3.1	0	0	79.62	0.218
4431	7902	Sisma X SLV	4.6	0	0	0	5.3E1	0.218	4432	7902	Sisma Y SLV	0	4.6	0	0	5.3E1	0.218
4433	7902	Sisma X SLO	2.5	0	0	0	5.3E1	0.218	4434	7902	Sisma Y SLO	0	2.5	0	0	5.3E1	0.218
4435	7902	Sisma X SLD	2.1	0	0	0	5.3E1	0.218	4436	7902	Sisma Y SLD	0	2.1	0	0	5.3E1	0.218
4437	7903	Sisma X SLV	4.6	0	0	0	5.3E1	0.218	4438	7903	Sisma Y SLV	0	4.6	0	0	5.3E1	0.218
4439	7903	Sisma X SLO	2.5	0	0	0	5.3E1	0.218	4440	7903	Sisma Y SLO	0	2.5	0	0	5.3E1	0.218
4441	7903	Sisma X SLD	2	0	0	0	5.3E1	0.218	4442	7903	Sisma Y SLD	0	2	0	0	5.3E1	0.218
4443	7904	Sisma X SLV	5.8	0	0	0	6.6E1	0.218	4444	7904	Sisma Y SLV	0	5.8	0	0	6.6E1	0.218
4445	7904	Sisma X SLO	3.1	0	0	0	6.6E1	0.218	4446	7904	Sisma Y SLO	0	3.1	0	0	6.6E1	0.218
4447	7904	Sisma X SLD	2.6	0	0	0	6.6E1	0.218	4448	7904	Sisma Y SLD	0	2.6	0	0	6.6E1	0.218
4449	7905	Sisma X SLV	6	0	0	0	6.9E1	0.218	4450	7905	Sisma Y SLV	0	6	0	0	6.9E1	0.218
4451	7905	Sisma X SLO	3.2	0	0	0	6.9E1	0.218	4452	7905	Sisma Y SLO	0	3.2	0	0	6.9E1	0.218
4453	7905	Sisma X SLD	2.6	0	0	0	6.9E1	0.218	4454	7905	Sisma Y SLD	0	2.6	0	0	6.9E1	0.218
4455	7906	Sisma X SLV	4.6	0	0	0	5.3E1	0.218	4456	7906	Sisma Y SLV	0	4.6	0	0	5.3E1	0.218
4457	7906	Sisma X SLO	2.5	0	0	0	5.3E1	0.218	4458	7906	Sisma Y SLO	0	2.5	0	0	5.3E1	0.218
4459	7906	Sisma X SLD	2	0	0	0	5.3E1	0.218	4460	7906	Sisma Y SLD	0	2	0	0	5.3E1	0.218
4461	7907	Sisma X SLV	4.6	0	0	0	5.3E1	0.218	4462	7907	Sisma Y SLV	0	4.6	0	0	5.3E1	0.218
4463	7907	Sisma X SLO	2.5	0	0	0	5.3E1	0.218	4464	7907	Sisma Y SLO	0	2.5	0	0	5.3E1	0.218
4465	7907	Sisma X SLD	2.1	0	0	0	5.3E1	0.218	4466	7907	Sisma Y SLD	0	2.1	0	0	5.3E1	0.218
4467	7908	Sisma X SLV	9	0	0	0	1.0E2	0.218	4468	7908	Sisma Y SLV	0	9	0	0	1.0E2	0.218
4469	7908	Sisma X SLO	4.8	0	0	0	1.0E2	0.218	4470	7908	Sisma Y SLO	0	4.8	0	0	1.0E2	0.218
4471	7908	Sisma X SLD	4	0	0	0	1.0E2	0.218	4472	7908	Sisma Y SLD	0	4	0	0	1.0E2	0.218
4473	7909	Sisma X SLV	6.4	0	0	0	73.64	0.218	4474	7909	Sisma Y SLV	0	6.4	0	0	73.64	0.218
4475	7909	Sisma X SLO	3.4	0	0	0	73.64	0.218	4476	7909	Sisma Y SLO	0	3.4	0	0	73.64	0.218
4477	7909	Sisma X SLD	2.8	0	0	0	73.64	0.218	4478	7909	Sisma Y SLD	0	2.8	0	0	73.64	0.218
4479	7910	Sisma X SLV	4.4	0	0	0	50.36	0.218	4480	7910	Sisma Y SLV	0	4.4	0	0	50.36	0.218
4481	7910	Sisma X SLO	2.3	0	0	0	50.36	0.218	4482	7910	Sisma Y SLO	0	2.3	0	0	50.36	0.218
4483	7910	Sisma X SLD	1.9	0	0	0	50.36	0.218	4484	7910	Sisma Y SLD	0	1.9	0	0	50.36	0.218
4485	7911	Sisma X SLV	4.5	0	0	0	5.2E1	0.218	4486	7911	Sisma Y SLV	0	4.5	0	0	5.2E1	0.218
4487	7911	Sisma X SLO	2.4	0	0	0	5.2E1	0.218	4488	7911	Sisma Y SLO	0	2.4	0	0	5.2E1	0.218
4489	7911	Sisma X SLD	2	0	0	0	5.2E1	0.218	4490	7911	Sisma Y SLD	0	2	0	0	5.2E1	0.218
4491	7912	Sisma X SLV	5	0	0	0	5.7E1	0.218	4492	7912	Sisma Y SLV	0	5	0	0	5.7E1	0.218
4493	7912	Sisma X SLO	2.7	0	0	0	5.7E1	0.218	4494	7912	Sisma Y SLO	0	2.7	0	0	5.7E1	0.218
4495	7912	Sisma X SLD	2.2	0	0	0	5.7E1	0.218	4496	7912	Sisma Y SLD	0	2.2	0	0	5.7E1	0.218
4497	7913	Sisma X SLV	5.1	0	0	0	5.9E1	0.218	4498	7913	Sisma Y SLV	0	5.1	0	0	5.9E1	0.218
4499	7913	Sisma X SLO	2.7	0	0	0	5.9E1	0.218	4500	7913	Sisma Y SLO	0	2.7	0	0	5.9E1	0.218
4501	7913	Sisma X SLD	2.3	0	0	0	5.9E1	0.218	4502	7913	Sisma Y SLD	0	2.3	0	0	5.9E1	0.218
4503	7914	Sisma X SLV	6.1	0	0	0	70.06	0.218	4504	7914	Sisma Y SLV	0	6.1	0	0	70.06	0.218
4505	7914	Sisma X SLO	3.2	0	0	0	70.06	0.218	4506	7914	Sisma Y SLO	0	3.2	0	0	70.06	0.218
4507	7914	Sisma X SLD	2.7	0	0	0	70.06	0.218	4508	7914	Sisma Y SLD	0	2.7	0	0	70.06	0.218
4509	7915	Sisma X SLV	6	0	0	0	68.91	0.218	4510	7915	Sisma Y SLV	0	6	0	0	68.91	0.218
4511	7915	Sisma X SLO	3.2	0	0	0	68.91	0.218	4512	7915	Sisma Y SLO	0	3.2	0	0	68.91	0.218

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
4513	7915	Sisma X SLD	2.7	0	0	0	68.91	0.218	4514	7915	Sisma Y SLD	0	2.7	0	0	68.91	0.218
4515	7916	Sisma X SLV	4.4	0	0	0	5.0E1	0.218	4516	7916	Sisma Y SLV	0	4.4	0	0	5.0E1	0.218
4517	7916	Sisma X SLO	2.3	0	0	0	5.0E1	0.218	4518	7916	Sisma Y SLO	0	2.3	0	0	5.0E1	0.218
4519	7916	Sisma X SLD	1.9	0	0	0	5.0E1	0.218	4520	7916	Sisma Y SLD	0	1.9	0	0	5.0E1	0.218
4521	7917	Sisma X SLV	4.3	0	0	0	4.9E1	0.218	4522	7917	Sisma Y SLV	0	4.3	0	0	4.9E1	0.218
4523	7917	Sisma X SLO	2.3	0	0	0	4.9E1	0.218	4524	7917	Sisma Y SLO	0	2.3	0	0	4.9E1	0.218
4525	7917	Sisma X SLD	1.9	0	0	0	4.9E1	0.218	4526	7917	Sisma Y SLD	0	1.9	0	0	4.9E1	0.218
4527	7918	Sisma X SLV	4.9	0	0	0	5.6E1	0.218	4528	7918	Sisma Y SLV	0	4.9	0	0	5.6E1	0.218
4529	7918	Sisma X SLO	2.6	0	0	0	5.6E1	0.218	4530	7918	Sisma Y SLO	0	2.6	0	0	5.6E1	0.218
4531	7918	Sisma X SLD	2.2	0	0	0	5.6E1	0.218	4532	7918	Sisma Y SLD	0	2.2	0	0	5.6E1	0.218
4533	7919	Sisma X SLV	5.3	0	0	0	6.1E1	0.218	4534	7919	Sisma Y SLV	0	5.3	0	0	6.1E1	0.218
4535	7919	Sisma X SLO	2.8	0	0	0	6.1E1	0.218	4536	7919	Sisma Y SLO	0	2.8	0	0	6.1E1	0.218
4537	7919	Sisma X SLD	2.3	0	0	0	6.1E1	0.218	4538	7919	Sisma Y SLD	0	2.3	0	0	6.1E1	0.218
4539	7920	Sisma X SLV	6.4	0	0	0	7.4E1	0.218	4540	7920	Sisma Y SLV	0	6.4	0	0	7.4E1	0.218
4541	7920	Sisma X SLO	3.4	0	0	0	7.4E1	0.218	4542	7920	Sisma Y SLO	0	3.4	0	0	7.4E1	0.218
4543	7920	Sisma X SLD	2.8	0	0	0	7.4E1	0.218	4544	7920	Sisma Y SLD	0	2.8	0	0	7.4E1	0.218
4545	7921	Sisma X SLV	6.6	0	0	0	7.5E1	0.218	4546	7921	Sisma Y SLV	0	6.6	0	0	7.5E1	0.218
4547	7921	Sisma X SLO	3.5	0	0	0	7.5E1	0.218	4548	7921	Sisma Y SLO	0	3.5	0	0	7.5E1	0.218
4549	7921	Sisma X SLD	2.9	0	0	0	7.5E1	0.218	4550	7921	Sisma Y SLD	0	2.9	0	0	7.5E1	0.218
4551	7922	Sisma X SLV	4.9	0	0	0	56.55	0.218	4552	7922	Sisma Y SLV	0	4.9	0	0	56.55	0.218
4553	7922	Sisma X SLO	2.6	0	0	0	56.55	0.218	4554	7922	Sisma Y SLO	0	2.6	0	0	56.55	0.218
4555	7922	Sisma X SLD	2.2	0	0	0	56.55	0.218	4556	7922	Sisma Y SLD	0	2.2	0	0	56.55	0.218
4557	7923	Sisma X SLV	5	0	0	0	5.8E1	0.218	4558	7923	Sisma Y SLV	0	5	0	0	5.8E1	0.218
4559	7923	Sisma X SLO	2.7	0	0	0	5.8E1	0.218	4560	7923	Sisma Y SLO	0	2.7	0	0	5.8E1	0.218
4561	7923	Sisma X SLD	2.2	0	0	0	5.8E1	0.218	4562	7923	Sisma Y SLD	0	2.2	0	0	5.8E1	0.218
4563	7924	Sisma X SLV	6.3	0	0	0	7.3E1	0.218	4564	7924	Sisma Y SLV	0	6.3	0	0	7.3E1	0.218
4565	7924	Sisma X SLO	3.4	0	0	0	7.3E1	0.218	4566	7924	Sisma Y SLO	0	3.4	0	0	7.3E1	0.218
4567	7924	Sisma X SLD	2.8	0	0	0	7.3E1	0.218	4568	7924	Sisma Y SLD	0	2.8	0	0	7.3E1	0.218
4569	7925	Sisma X SLV	6.8	0	0	0	7.9E1	0.218	4570	7925	Sisma Y SLV	0	6.8	0	0	7.9E1	0.218
4571	7925	Sisma X SLO	3.6	0	0	0	7.9E1	0.218	4572	7925	Sisma Y SLO	0	3.6	0	0	7.9E1	0.218
4573	7925	Sisma X SLD	3	0	0	0	7.9E1	0.218	4574	7925	Sisma Y SLD	0	3	0	0	7.9E1	0.218
4575	7926	Sisma X SLV	4.2	0	0	0	48.75	0.218	4576	7926	Sisma Y SLV	0	4.2	0	0	48.75	0.218
4577	7926	Sisma X SLO	2.3	0	0	0	48.75	0.218	4578	7926	Sisma Y SLO	0	2.3	0	0	48.75	0.218
4579	7926	Sisma X SLD	1.9	0	0	0	48.75	0.218	4580	7926	Sisma Y SLD	0	1.9	0	0	48.75	0.218
4581	7927	Sisma X SLV	8.6	0	0	0	9.9E1	0.218	4582	7927	Sisma Y SLV	0	8.6	0	0	9.9E1	0.218
4583	7927	Sisma X SLO	4.6	0	0	0	9.9E1	0.218	4584	7927	Sisma Y SLO	0	4.6	0	0	9.9E1	0.218
4585	7927	Sisma X SLD	3.8	0	0	0	9.9E1	0.218	4586	7927	Sisma Y SLD	0	3.8	0	0	9.9E1	0.218
4587	7928	Sisma X SLV	14.2	0	0	0	1.6E2	0.218	4588	7928	Sisma Y SLV	0	14.2	0	0	1.6E2	0.218
4589	7928	Sisma X SLO	7.6	0	0	0	1.6E2	0.218	4590	7928	Sisma Y SLO	0	7.6	0	0	1.6E2	0.218
4591	7928	Sisma X SLD	6.3	0	0	0	1.6E2	0.218	4592	7928	Sisma Y SLD	0	6.3	0	0	1.6E2	0.218
4593	7929	Sisma X SLV	14.1	0	0	0	1.6E2	0.218	4594	7929	Sisma Y SLV	0	14.1	0	0	1.6E2	0.218
4595	7929	Sisma X SLO	7.5	0	0	0	1.6E2	0.218	4596	7929	Sisma Y SLO	0	7.5	0	0	1.6E2	0.218
4597	7929	Sisma X SLD	6.3	0	0	0	1.6E2	0.218	4598	7929	Sisma Y SLD	0	6.3	0	0	1.6E2	0.218
4599	7930	Sisma X SLV	12.6	0	0	0	1.4E2	0.218	4600	7930	Sisma Y SLV	0	12.6	0	0	1.4E2	0.218
4601	7930	Sisma X SLO	6.7	0	0	0	1.4E2	0.218	4602	7930	Sisma Y SLO	0	6.7	0	0	1.4E2	0.218
4603	7930	Sisma X SLD	5.6	0	0	0	1.4E2	0.218	4604	7930	Sisma Y SLD	0	5.6	0	0	1.4E2	0.218
4605	7931	Sisma X SLV	9.6	0	0	0	1.1E2	0.218	4606	7931	Sisma Y SLV	0	9.6	0	0	1.1E2	0.218
4607	7931	Sisma X SLO	5.1	0	0	0	1.1E2	0.218	4608	7931	Sisma Y SLO	0	5.1	0	0	1.1E2	0.218
4609	7931	Sisma X SLD	4.3	0	0	0	1.1E2	0.218	4610	7931	Sisma Y SLD	0	4.3	0	0	1.1E2	0.218
4611	7932	Sisma X SLV	8.7	0	0	0	1.0E2	0.218	4612	7932	Sisma Y SLV	0	8.7	0	0	1.0E2	0.218
4613	7932	Sisma X SLO	4.6	0	0	0	1.0E2	0.218	4614	7932	Sisma Y SLO	0	4.6	0	0	1.0E2	0.218
4615	7932	Sisma X SLD	3.8	0	0	0	1.0E2	0.218	4616	7932	Sisma Y SLD	0	3.8	0	0	1.0E2	0.218
4617	7933	Sisma X SLV	14.2	0	0	0	1.6E2	0.219	4618	7933	Sisma Y SLV	0	14.2	0	0	1.6E2	0.219
4619	7933	Sisma X SLO	7.6	0	0	0	1.6E2	0.219	4620	7933	Sisma Y SLO	0	7.6	0	0	1.6E2	0.219
4621	7933	Sisma X SLD	6.3	0	0	0	1.6E2	0.219	4622	7933	Sisma Y SLD	0	6.3	0	0	1.6E2	0.219
4623	7934	Sisma X SLV	12.6	0	0	0	1.4E2	0.219	4624	7934	Sisma Y SLV	0	12.6	0	0	1.4E2	0.219
4625	7934	Sisma X SLO	6.7	0	0	0	1.4E2	0.219	4626	7934	Sisma Y SLO	0	6.7	0	0	1.4E2	0.219
4627	7934	Sisma X SLD	5.6	0	0	0	1.4E2	0.219	4628	7934	Sisma Y SLD	0	5.6	0	0	1.4E2	0.219
4629	7935	Sisma X SLV	14.1	0	0	0	1.6E2	0.219	4630	7935	Sisma Y SLV	0	14.1	0	0	1.6E2	0.219
4631	7935	Sisma X SLO	7.5	0	0	0	1.6E2	0.219	4632	7935	Sisma Y SLO	0	7.5	0	0	1.6E2	0.219
4633	7935	Sisma X SLD	6.2	0	0	0	1.6E2	0.219	4634	7935	Sisma Y SLD	0	6.2	0	0	1.6E2	0.219
4635	7936	Sisma X SLV	8.5	0	0	0	96.82	0.219	4636	7936	Sisma Y SLV	0	8.5	0	0	96.82	0.219
4637	7936	Sisma X SLO	4.5	0	0	0	96.82	0.219	4638	7936	Sisma Y SLO	0	4.5	0	0	96.82	0.219
4639	7936	Sisma X SLD	3.7	0	0	0	96.82	0.219	4640	7936	Sisma Y SLD	0	3.7	0	0	96.82	0.219
4641	7937	Sisma X SLV	14.2	0	0	0	1.6E2	0.219	4642	7937	Sisma Y SLV	0	14.2	0	0	1.6E2	0.219
4643	7937	Sisma X SLO	7.5	0	0	0	1.6E2	0.219	4644	7937	Sisma Y SLO	0	7.5	0	0	1.6E2	0.219
4645	7937	Sisma X SLD	6.3	0	0	0	1.6E2	0.219	4646	7937	Sisma Y SLD	0	6.3	0	0	1.6E2	0.219
4647	7938	Sisma X SLV	8.5	0	0	0	9.7E1	0.219	4648	7938	Sisma Y SLV	0	8.5	0	0	9.7E1	0.219
4649	7938	Sisma X SLO	4.5	0	0	0	9.7E1	0.219	4650	7938	Sisma Y SLO	0	4.5	0	0	9.7E1	0.219
4651	7938	Sisma X SLD	3.7	0	0	0	9.7E1	0.219	4652	7938	Sisma Y SLD	0	3.7	0	0	9.7E1	0.219
4653	7939	Sisma X SLV	13.2	0	0	0	1.5E2	0.219	4654	7939	Sisma Y SLV	0	13.2	0	0	1.5E2	0.219
4655	7939	Sisma X SLO	7	0	0	0	1.5E2	0.219	4656	7939	Sisma Y SLO	0	7	0	0	1.5E2	0.219
4657	7939	Sisma X SLD	5.8	0	0	0	1.5E2	0.219	4658	7939	Sisma Y SLD	0	5.8	0	0	1.5E2	0.219
4659	7940	Sisma X SLV	8.8	0	0	0	1.0E2	0.219	4660	7940	Sisma Y SLV	0	8.8	0	0	1.0E2	0.219
4661	7940	Sisma X SLO	4.7	0	0	0	1.0E2	0.219	4662	7940	Sisma Y SLO	0	4.7	0	0	1.0E2	0.219
4663	7940	Sisma X SLD	3.9	0	0	0	1.0E2	0.219	4664	7940	Sisma Y SLD	0	3.9	0	0	1.0E2	0.219
4665	7941	Sisma X SLV	8.6	0	0	0	9.8E1	0.219	4666	7941	Sisma Y SLV	0	8.6	0	0	9.8E1	0.219
4667	7941	Sisma X SLO	4.6	0	0	0	9.8E1	0.219	4668	7941	Sisma Y SLO	0	4.6	0	0	9.8E1	0.219
4669	7941	Sisma X SLD	3.8	0	0	0	9.8E1	0.219	4670	7941	Sisma Y SLD	0	3.8	0	0	9.8E1	0.219
4671	7942	Sisma X SLV	8.9	0	0	0	1.0E2	0.22	4672	7942	Sisma Y SLV	0	8.9	0	0	1.0E2	0.22
4673	7942	Sisma X SLO	4.7	0	0	0	1.0E2	0.22	4674	7942	Sisma Y SLO	0	4.7	0	0	1.0E2	0.22
4675	7942	Sisma X SLD	3.9	0	0	0	1.0E2	0.22	4676	7942	Sisma Y SLD	0	3.9	0	0	1.0E2	0.22
4677	7943	Sisma X SLV	8.4	0	0	0	9.6E1	0.22	4678	7943	Sisma Y SLV	0	8.4	0	0	9.6E1	0.22
4679	7943	Sisma X SLO	4.5	0	0	0	9.6E1	0.22	4680	7943	Sisma Y SLO	0	4.5	0	0	9.6E1	0.22
4681	7943	Sisma X SLD	3.7	0	0	0	9.6E1	0.22	4682	7943	Sisma Y SLD	0	3.7	0	0	9.6E1	0.22
4683	7944	Sisma X SLV	7.9	0	0	0	90.47	0.22	4684	7944	Sisma Y SLV	0	7.9	0	0	90.47	0.22
4685	7944	Sisma X SLO	4.2	0	0	0	90.47	0.22	4686	7944	Sisma Y SLO	0	4.2	0	0	90.47	0.22
4687	7944	Sisma X SLD	3.5	0	0	0	90.47	0.22	4688	7944	Sisma Y SLD	0	3.5	0	0	90.47	0.22
4689	7945	Sisma X SLV	12.2	0	0	0	1.4E2	0.22	4690	7945	Sisma Y SLV	0	12.2	0	0	1.4E2	0.22
4691	7945	Sisma X SLO	6.5	0	0	0	1.4E2	0.22	4692	7945	Sisma Y SLO	0	6.5	0	0	1.4E2	0.22
4693	7945	Sisma X SLD	5.4	0	0	0	1.4E2	0.22	4694	7945	Sisma Y SLD	0	5.4	0	0	1.4E2	0.22
4695	7946	Sisma X SLV	17.3	0	0	0	2.0E2	0.22	4696	7946	Sisma Y SLV	0	17.3	0	0	2.0E2	0.22
4697	7946	Sisma X SLO	9.2	0	0	0	2.0E2	0.22	4698	7946	Sisma Y SLO	0	9.2	0	0	2.0E2	0.22
4699	7946	Sisma X SLD	7.7	0	0	0	2.0E2	0.22	4700	7946	Sisma Y SLD	0	7.7	0	0	2.0E2	0.22
4701	7947	Sisma X SLV	20.4	0	0	0	2.3E2	0.22	4702	7947	Sisma Y SLV	0	20.4	0	0	2.3E2	0.22
4703	7947	Sisma X SLO	10.9	0	0	0	2.3E2	0.22	4704	7947	Sisma Y SLO	0	10.9	0	0	2.3E2	0.22
4705	7947	Sisma X SLD	9	0	0	0	2.3E2	0.22	4706	7947	Sisma Y SLD	0	9	0	0	2.3E2	0.22
4707	7948	Sisma X SLV	9.1	0	0	0	1.0E2	0.22	4708	7948	Sisma Y SLV	0	9.1	0	0	1.0E2	0.22
4709	7948	Sisma X SLO	4.9	0	0	0	1.0E2	0.22	4710	7948	Sisma Y SLO	0	4.9	0	0	1.0E2	0.22
4711	7948	Sisma X SLD	4	0	0	0	1.0E2	0.22	4712	7948	Sisma Y SLD	0	4	0	0	1.0E2	0.22

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
4713	7949	Sisma X SLV	9	0	0	0	1.0E2	0.22	4714	7949	Sisma Y SLV	0	9	0	0	1.0E2	0.22
4715	7949	Sisma X SLO	4.8	0	0	0	1.0E2	0.22	4716	7949	Sisma Y SLO	0	4.8	0	0	1.0E2	0.22
4717	7949	Sisma X SLD	4	0	0	0	1.0E2	0.22	4718	7949	Sisma Y SLD	0	4	0	0	1.0E2	0.22
4719	7950	Sisma X SLV	13.5	0	0	0	1.5E2	0.22	4720	7950	Sisma Y SLV	0	13.5	0	0	1.5E2	0.22
4721	7950	Sisma X SLO	7.2	0	0	0	1.5E2	0.22	4722	7950	Sisma Y SLO	0	7.2	0	0	1.5E2	0.22
4723	7950	Sisma X SLD	6	0	0	0	1.5E2	0.22	4724	7950	Sisma Y SLD	0	6	0	0	1.5E2	0.22
4725	7951	Sisma X SLV	7.5	0	0	0	8.6E1	0.22	4726	7951	Sisma Y SLV	0	7.5	0	0	8.6E1	0.22
4727	7951	Sisma X SLO	4	0	0	0	8.6E1	0.22	4728	7951	Sisma Y SLO	0	4	0	0	8.6E1	0.22
4729	7951	Sisma X SLD	3.3	0	0	0	8.6E1	0.22	4730	7951	Sisma Y SLD	0	3.3	0	0	8.6E1	0.22
4731	7952	Sisma X SLV	13.8	0	0	0	1.6E2	0.22	4732	7952	Sisma Y SLV	0	13.8	0	0	1.6E2	0.22
4733	7952	Sisma X SLO	7.3	0	0	0	1.6E2	0.22	4734	7952	Sisma Y SLO	0	7.3	0	0	1.6E2	0.22
4735	7952	Sisma X SLD	6.1	0	0	0	1.6E2	0.22	4736	7952	Sisma Y SLD	0	6.1	0	0	1.6E2	0.22
4737	7953	Sisma X SLV	11.3	0	0	0	1.3E2	0.22	4738	7953	Sisma Y SLV	0	11.3	0	0	1.3E2	0.22
4739	7953	Sisma X SLO	6	0	0	0	1.3E2	0.22	4740	7953	Sisma Y SLO	0	6	0	0	1.3E2	0.22
4741	7953	Sisma X SLD	5	0	0	0	1.3E2	0.22	4742	7953	Sisma Y SLD	0	5	0	0	1.3E2	0.22
4743	7954	Sisma X SLV	8.8	0	0	0	1.0E2	0.22	4744	7954	Sisma Y SLV	0	8.8	0	0	1.0E2	0.22
4745	7954	Sisma X SLO	4.7	0	0	0	1.0E2	0.22	4746	7954	Sisma Y SLO	0	4.7	0	0	1.0E2	0.22
4747	7954	Sisma X SLD	3.9	0	0	0	1.0E2	0.22	4748	7954	Sisma Y SLD	0	3.9	0	0	1.0E2	0.22
4749	7955	Sisma X SLV	8.6	0	0	0	9.7E1	0.22	4750	7955	Sisma Y SLV	0	8.6	0	0	9.7E1	0.22
4751	7955	Sisma X SLO	4.6	0	0	0	9.7E1	0.22	4752	7955	Sisma Y SLO	0	4.6	0	0	9.7E1	0.22
4753	7955	Sisma X SLD	3.8	0	0	0	9.7E1	0.22	4754	7955	Sisma Y SLD	0	3.8	0	0	9.7E1	0.22
4755	7956	Sisma X SLV	8.6	0	0	0	9.8E1	0.22	4756	7956	Sisma Y SLV	0	8.6	0	0	9.8E1	0.22
4757	7956	Sisma X SLO	4.6	0	0	0	9.8E1	0.22	4758	7956	Sisma Y SLO	0	4.6	0	0	9.8E1	0.22
4759	7956	Sisma X SLD	3.8	0	0	0	9.8E1	0.22	4760	7956	Sisma Y SLD	0	3.8	0	0	9.8E1	0.22
4761	7957	Sisma X SLV	13.5	0	0	0	1.5E2	0.22	4762	7957	Sisma Y SLV	0	13.5	0	0	1.5E2	0.22
4763	7957	Sisma X SLO	7.2	0	0	0	1.5E2	0.22	4764	7957	Sisma Y SLO	0	7.2	0	0	1.5E2	0.22
4765	7957	Sisma X SLD	6	0	0	0	1.5E2	0.22	4766	7957	Sisma Y SLD	0	6	0	0	1.5E2	0.22
4767	7958	Sisma X SLV	7.6	0	0	0	8.7E1	0.22	4768	7958	Sisma Y SLV	0	7.6	0	0	8.7E1	0.22
4769	7958	Sisma X SLO	4.1	0	0	0	8.7E1	0.22	4770	7958	Sisma Y SLO	0	4.1	0	0	8.7E1	0.22
4771	7958	Sisma X SLD	3.4	0	0	0	8.7E1	0.22	4772	7958	Sisma Y SLD	0	3.4	0	0	8.7E1	0.22
4773	7959	Sisma X SLV	9.6	0	0	0	1.1E2	0.22	4774	7959	Sisma Y SLV	0	9.6	0	0	1.1E2	0.22
4775	7959	Sisma X SLO	5.1	0	0	0	1.1E2	0.22	4776	7959	Sisma Y SLO	0	5.1	0	0	1.1E2	0.22
4777	7959	Sisma X SLD	4.2	0	0	0	1.1E2	0.22	4778	7959	Sisma Y SLD	0	4.2	0	0	1.1E2	0.22
4779	7960	Sisma X SLV	13.5	0	0	0	1.5E2	0.22	4780	7960	Sisma Y SLV	0	13.5	0	0	1.5E2	0.22
4781	7960	Sisma X SLO	7.2	0	0	0	1.5E2	0.22	4782	7960	Sisma Y SLO	0	7.2	0	0	1.5E2	0.22
4783	7960	Sisma X SLD	6	0	0	0	1.5E2	0.22	4784	7960	Sisma Y SLD	0	6	0	0	1.5E2	0.22
4785	7961	Sisma X SLV	9.2	0	0	0	1.0E2	0.22	4786	7961	Sisma Y SLV	0	9.2	0	0	1.0E2	0.22
4787	7961	Sisma X SLO	4.9	0	0	0	1.0E2	0.22	4788	7961	Sisma Y SLO	0	4.9	0	0	1.0E2	0.22
4789	7961	Sisma X SLD	4.1	0	0	0	1.0E2	0.22	4790	7961	Sisma Y SLD	0	4.1	0	0	1.0E2	0.22
4791	7962	Sisma X SLV	9	0	0	0	1.0E2	0.221	4792	7962	Sisma Y SLV	0	9	0	0	1.0E2	0.221
4793	7962	Sisma X SLO	4.8	0	0	0	1.0E2	0.221	4794	7962	Sisma Y SLO	0	4.8	0	0	1.0E2	0.221
4795	7962	Sisma X SLD	4	0	0	0	1.0E2	0.221	4796	7962	Sisma Y SLD	0	4	0	0	1.0E2	0.221
4797	7963	Sisma X SLV	9.5	0	0	0	1.1E2	0.221	4798	7963	Sisma Y SLV	0	9.5	0	0	1.1E2	0.221
4799	7963	Sisma X SLO	5.1	0	0	0	1.1E2	0.221	4800	7963	Sisma Y SLO	0	5.1	0	0	1.1E2	0.221
4801	7963	Sisma X SLD	4.2	0	0	0	1.1E2	0.221	4802	7963	Sisma Y SLD	0	4.2	0	0	1.1E2	0.221
4803	7964	Sisma X SLV	14.1	0	0	0	1.6E2	0.221	4804	7964	Sisma Y SLV	0	14.1	0	0	1.6E2	0.221
4805	7964	Sisma X SLO	7.5	0	0	0	1.6E2	0.221	4806	7964	Sisma Y SLO	0	7.5	0	0	1.6E2	0.221
4807	7964	Sisma X SLD	6.3	0	0	0	1.6E2	0.221	4808	7964	Sisma Y SLD	0	6.3	0	0	1.6E2	0.221
4809	7965	Sisma X SLV	8.5	0	0	0	9.6E1	0.221	4810	7965	Sisma Y SLV	0	8.5	0	0	9.6E1	0.221
4811	7965	Sisma X SLO	4.5	0	0	0	9.6E1	0.221	4812	7965	Sisma Y SLO	0	4.5	0	0	9.6E1	0.221
4813	7965	Sisma X SLD	3.8	0	0	0	9.6E1	0.221	4814	7965	Sisma Y SLD	0	3.8	0	0	9.6E1	0.221
4815	7966	Sisma X SLV	9.2	0	0	0	1.0E2	0.221	4816	7966	Sisma Y SLV	0	9.2	0	0	1.0E2	0.221
4817	7966	Sisma X SLO	4.9	0	0	0	1.0E2	0.221	4818	7966	Sisma Y SLO	0	4.9	0	0	1.0E2	0.221
4819	7966	Sisma X SLD	4.1	0	0	0	1.0E2	0.221	4820	7966	Sisma Y SLD	0	4.1	0	0	1.0E2	0.221
4821	7967	Sisma X SLV	20.2	0	0	0	2.3E2	0.221	4822	7967	Sisma Y SLV	0	20.2	0	0	2.3E2	0.221
4823	7967	Sisma X SLO	10.8	0	0	0	2.3E2	0.221	4824	7967	Sisma Y SLO	0	10.8	0	0	2.3E2	0.221
4825	7967	Sisma X SLD	9	0	0	0	2.3E2	0.221	4826	7967	Sisma Y SLD	0	9	0	0	2.3E2	0.221
4827	7968	Sisma X SLV	13.4	0	0	0	1.5E2	0.221	4828	7968	Sisma Y SLV	0	13.4	0	0	1.5E2	0.221
4829	7968	Sisma X SLO	7.2	0	0	0	1.5E2	0.221	4830	7968	Sisma Y SLO	0	7.2	0	0	1.5E2	0.221
4831	7968	Sisma X SLD	6	0	0	0	1.5E2	0.221	4832	7968	Sisma Y SLD	0	6	0	0	1.5E2	0.221
4833	7969	Sisma X SLV	14.3	0	0	0	1.6E2	0.222	4834	7969	Sisma Y SLV	0	14.3	0	0	1.6E2	0.222
4835	7969	Sisma X SLO	7.6	0	0	0	1.6E2	0.222	4836	7969	Sisma Y SLO	0	7.6	0	0	1.6E2	0.222
4837	7969	Sisma X SLD	6.3	0	0	0	1.6E2	0.222	4838	7969	Sisma Y SLD	0	6.3	0	0	1.6E2	0.222
4839	7970	Sisma X SLV	13.7	0	0	0	1.5E2	0.222	4840	7970	Sisma Y SLV	0	13.7	0	0	1.5E2	0.222
4841	7970	Sisma X SLO	7.3	0	0	0	1.5E2	0.222	4842	7970	Sisma Y SLO	0	7.3	0	0	1.5E2	0.222
4843	7970	Sisma X SLD	6.1	0	0	0	1.5E2	0.222	4844	7970	Sisma Y SLD	0	6.1	0	0	1.5E2	0.222
4845	7971	Sisma X SLV	13	0	0	0	1.5E2	0.222	4846	7971	Sisma Y SLV	0	13	0	0	1.5E2	0.222
4847	7971	Sisma X SLO	6.9	0	0	0	1.5E2	0.222	4848	7971	Sisma Y SLO	0	6.9	0	0	1.5E2	0.222
4849	7971	Sisma X SLD	5.7	0	0	0	1.5E2	0.222	4850	7971	Sisma Y SLD	0	5.7	0	0	1.5E2	0.222
4851	7972	Sisma X SLV	18.2	0	0	0	2.1E2	0.222	4852	7972	Sisma Y SLV	0	18.2	0	0	2.1E2	0.222
4853	7972	Sisma X SLO	9.7	0	0	0	2.1E2	0.222	4854	7972	Sisma Y SLO	0	9.7	0	0	2.1E2	0.222
4855	7972	Sisma X SLD	8.1	0	0	0	2.1E2	0.222	4856	7972	Sisma Y SLD	0	8.1	0	0	2.1E2	0.222
4857	7973	Sisma X SLV	14.7	0	0	0	1.7E2	0.222	4858	7973	Sisma Y SLV	0	14.7	0	0	1.7E2	0.222
4859	7973	Sisma X SLO	7.8	0	0	0	1.7E2	0.222	4860	7973	Sisma Y SLO	0	7.8	0	0	1.7E2	0.222
4861	7973	Sisma X SLD	6.5	0	0	0	1.7E2	0.222	4862	7973	Sisma Y SLD	0	6.5	0	0	1.7E2	0.222
4863	7974	Sisma X SLV	15.4	0	0	0	1.7E2	0.222	4864	7974	Sisma Y SLV	0	15.4	0	0	1.7E2	0.222
4865	7974	Sisma X SLO	8.2	0	0	0	1.7E2	0.222	4866	7974	Sisma Y SLO	0	8.2	0	0	1.7E2	0.222
4867	7974	Sisma X SLD	6.8	0	0	0	1.7E2	0.222	4868	7974	Sisma Y SLD	0	6.8	0	0	1.7E2	0.222
4869	7975	Sisma X SLV	9	0	0	0	1.0E2	0.222	4870	7975	Sisma Y SLV	0	9	0	0	1.0E2	0.222
4871	7975	Sisma X SLO	4.8	0	0	0	1.0E2	0.222	4872	7975	Sisma Y SLO	0	4.8	0	0	1.0E2	0.222
4873	7975	Sisma X SLD	4	0	0	0	1.0E2	0.222	4874	7975	Sisma Y SLD	0	4	0	0	1.0E2	0.222
4875	7976	Sisma X SLV	8.4	0	0	0	9.4E1	0.223	4876	7976	Sisma Y SLV	0	8.4	0	0	9.4E1	0.223
4877	7976	Sisma X SLO	4.5	0	0	0	9.4E1	0.223	4878	7976	Sisma Y SLO	0	4.5	0	0	9.4E1	0.223
4879	7976	Sisma X SLD	3.7	0	0	0	9.4E1	0.223	4880	7976	Sisma Y SLD	0	3.7	0	0	9.4E1	0.223
4881	7977	Sisma X SLV	20.1	0	0	0	2.3E2	0.223	4882	7977	Sisma Y SLV	0	20.1	0	0	2.3E2	0.223
4883	7977	Sisma X SLO	10.7	0	0	0	2.3E2	0.223	4884	7977	Sisma Y SLO	0	10.7	0	0	2.3E2	0.223
4885	7977	Sisma X SLD	8.9	0	0	0	2.3E2	0.223	4886	7977	Sisma Y SLD	0	8.9	0	0	2.3E2	0.223
4887	7978	Sisma X SLV	8.2	0	0	0	9.2E1	0.223	4888	7978	Sisma Y SLV	0	8.2	0	0	9.2E1	0.223
4889	7978	Sisma X SLO	4.4	0	0	0	9.2E1	0.223	4890	7978	Sisma Y SLO	0	4.4	0	0	9.2E1	0.223
4891	7978	Sisma X SLD	3.6	0	0	0	9.2E1	0.223	4892	7978	Sisma Y SLD	0	3.6	0	0	9.2E1	0.223
4893	7979	Sisma X SLV	15.3	0	0	0	1.7E2	0.223	4894	7979	Sisma Y SLV	0	15.3	0	0	1.7E2	0.223
4895	7979	Sisma X SLO	8.1	0	0	0	1.7E2	0.223	4896	7979	Sisma Y SLO	0	8.1	0	0	1.7E2	0.223
4897	7979	Sisma X SLD	6.8	0	0	0	1.7E2	0.223	4898	7979	Sisma Y SLD	0	6.8	0	0	1.7E2	0.223
4899	7980	Sisma X SLV	8.4	0	0	0	9.5E1	0.224	4900	7980	Sisma Y SLV	0	8.4	0	0	9.5E1	0.224
4901	7980	Sisma X SLO	4.5	0	0	0	9.5E1	0.224	4902	7980	Sisma Y SLO	0	4.5	0	0	9.5E1	0.224
4903	7980	Sisma X SLD	3.7	0	0	0	9.5E1	0.224	4904	7980	Sisma Y SLD	0	3.7	0	0	9.5E1	0.224
4905	7981	Sisma X SLV	13.7	0	0	0	1.5E2	0.224	4906	7981	Sisma Y SLV	0	13.7	0	0	1.5E2	0.224
4907	7981	Sisma X SLO	7.3	0	0	0	1.5E2	0.224	4908	7981	Sisma Y SLO	0	7.3	0	0	1.5E2	0.224
4909	7981	Sisma X SLD	6.1	0	0	0	1.5E2	0.224	4910	7981	Sisma Y SLD	0	6.1	0	0	1.5E2	0.224
4911	7982	Sisma X SLV	8.7	0	0	0	9.7E1	0.224	4912	7982	Sisma Y SLV	0	8.7	0	0	9.7E1	0.224

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
4913	7982	Sisma X SLO	4.6	0	0	0	9.7E1	0.224	4914	7982	Sisma Y SLO	0	4.6	0	0	9.7E1	0.224
4915	7982	Sisma X SLD	3.8	0	0	0	9.7E1	0.224	4916	7982	Sisma Y SLD	0	3.8	0	0	9.7E1	0.224
4917	7983	Sisma X SLV	5.5	0	0	0	6.2E1	0.224	4918	7983	Sisma Y SLV	0	5.5	0	0	6.2E1	0.224
4919	7983	Sisma X SLO	3	0	0	0	6.2E1	0.224	4920	7983	Sisma Y SLO	0	3	0	0	6.2E1	0.224
4921	7983	Sisma X SLD	2.4	0	0	0	6.2E1	0.224	4922	7983	Sisma Y SLD	0	2.4	0	0	6.2E1	0.224
4923	7984	Sisma X SLV	11.1	0	0	0	1.2E2	0.224	4924	7984	Sisma Y SLV	0	11.1	0	0	1.2E2	0.224
4925	7984	Sisma X SLO	5.9	0	0	0	1.2E2	0.224	4926	7984	Sisma Y SLO	0	5.9	0	0	1.2E2	0.224
4927	7984	Sisma X SLD	4.9	0	0	0	1.2E2	0.224	4928	7984	Sisma Y SLD	0	4.9	0	0	1.2E2	0.224
4929	7985	Sisma X SLV	5.5	0	0	0	6.2E1	0.224	4930	7985	Sisma Y SLV	0	5.5	0	0	6.2E1	0.224
4931	7985	Sisma X SLO	3	0	0	0	6.2E1	0.224	4932	7985	Sisma Y SLO	0	3	0	0	6.2E1	0.224
4933	7985	Sisma X SLD	2.4	0	0	0	6.2E1	0.224	4934	7985	Sisma Y SLD	0	2.4	0	0	6.2E1	0.224
4935	7986	Sisma X SLV	11.1	0	0	0	1.2E2	0.224	4936	7986	Sisma Y SLV	0	11.1	0	0	1.2E2	0.224
4937	7986	Sisma X SLO	5.9	0	0	0	1.2E2	0.224	4938	7986	Sisma Y SLO	0	5.9	0	0	1.2E2	0.224
4939	7986	Sisma X SLD	4.9	0	0	0	1.2E2	0.224	4940	7986	Sisma Y SLD	0	4.9	0	0	1.2E2	0.224
4941	7987	Sisma X SLV	18.9	0	0	0	2.1E2	0.224	4942	7987	Sisma Y SLV	0	18.9	0	0	2.1E2	0.224
4943	7987	Sisma X SLO	10.1	0	0	0	2.1E2	0.224	4944	7987	Sisma Y SLO	0	10.1	0	0	2.1E2	0.224
4945	7987	Sisma X SLD	8.4	0	0	0	2.1E2	0.224	4946	7987	Sisma Y SLD	0	8.4	0	0	2.1E2	0.224
4947	7988	Sisma X SLV	11.7	0	0	0	1.3E2	0.224	4948	7988	Sisma Y SLV	0	11.7	0	0	1.3E2	0.224
4949	7988	Sisma X SLO	6.3	0	0	0	1.3E2	0.224	4950	7988	Sisma Y SLO	0	6.3	0	0	1.3E2	0.224
4951	7988	Sisma X SLD	5.2	0	0	0	1.3E2	0.224	4952	7988	Sisma Y SLD	0	5.2	0	0	1.3E2	0.224
4953	7989	Sisma X SLV	15.7	0	0	0	1.7E2	0.225	4954	7989	Sisma Y SLV	0	15.7	0	0	1.7E2	0.225
4955	7989	Sisma X SLO	8.4	0	0	0	1.7E2	0.225	4956	7989	Sisma Y SLO	0	8.4	0	0	1.7E2	0.225
4957	7989	Sisma X SLD	6.9	0	0	0	1.7E2	0.225	4958	7989	Sisma Y SLD	0	6.9	0	0	1.7E2	0.225
4959	7990	Sisma X SLV	20.1	0	0	0	2.2E2	0.225	4960	7990	Sisma Y SLV	0	20.1	0	0	2.2E2	0.225
4961	7990	Sisma X SLO	10.7	0	0	0	2.2E2	0.225	4962	7990	Sisma Y SLO	0	10.7	0	0	2.2E2	0.225
4963	7990	Sisma X SLD	8.9	0	0	0	2.2E2	0.225	4964	7990	Sisma Y SLD	0	8.9	0	0	2.2E2	0.225
4965	7991	Sisma X SLV	15.6	0	0	0	1.7E2	0.225	4966	7991	Sisma Y SLV	0	15.6	0	0	1.7E2	0.225
4967	7991	Sisma X SLO	8.3	0	0	0	1.7E2	0.225	4968	7991	Sisma Y SLO	0	8.3	0	0	1.7E2	0.225
4969	7991	Sisma X SLD	6.9	0	0	0	1.7E2	0.225	4970	7991	Sisma Y SLD	0	6.9	0	0	1.7E2	0.225
4971	7992	Sisma X SLV	13.7	0	0	0	1.5E2	0.225	4972	7992	Sisma Y SLV	0	13.7	0	0	1.5E2	0.225
4973	7992	Sisma X SLO	7.3	0	0	0	1.5E2	0.225	4974	7992	Sisma Y SLO	0	7.3	0	0	1.5E2	0.225
4975	7992	Sisma X SLD	6	0	0	0	1.5E2	0.225	4976	7992	Sisma Y SLD	0	6	0	0	1.5E2	0.225
4977	7993	Sisma X SLV	15.6	0	0	0	1.7E2	0.225	4978	7993	Sisma Y SLV	0	15.6	0	0	1.7E2	0.225
4979	7993	Sisma X SLO	8.3	0	0	0	1.7E2	0.225	4980	7993	Sisma Y SLO	0	8.3	0	0	1.7E2	0.225
4981	7993	Sisma X SLD	6.9	0	0	0	1.7E2	0.225	4982	7993	Sisma Y SLD	0	6.9	0	0	1.7E2	0.225
4983	7994	Sisma X SLV	15.5	0	0	0	1.7E2	0.225	4984	7994	Sisma Y SLV	0	15.5	0	0	1.7E2	0.225
4985	7994	Sisma X SLO	8.3	0	0	0	1.7E2	0.225	4986	7994	Sisma Y SLO	0	8.3	0	0	1.7E2	0.225
4987	7994	Sisma X SLD	6.9	0	0	0	1.7E2	0.225	4988	7994	Sisma Y SLD	0	6.9	0	0	1.7E2	0.225
4989	7995	Sisma X SLV	15.5	0	0	0	1.7E2	0.225	4990	7995	Sisma Y SLV	0	15.5	0	0	1.7E2	0.225
4991	7995	Sisma X SLO	8.3	0	0	0	1.7E2	0.225	4992	7995	Sisma Y SLO	0	8.3	0	0	1.7E2	0.225
4993	7995	Sisma X SLD	6.9	0	0	0	1.7E2	0.225	4994	7995	Sisma Y SLD	0	6.9	0	0	1.7E2	0.225
4995	7996	Sisma X SLV	8.2	0	0	0	9.1E1	0.225	4996	7996	Sisma Y SLV	0	8.2	0	0	9.1E1	0.225
4997	7996	Sisma X SLO	4.3	0	0	0	9.1E1	0.225	4998	7996	Sisma Y SLO	0	4.3	0	0	9.1E1	0.225
4999	7996	Sisma X SLD	3.6	0	0	0	9.1E1	0.225	5000	7996	Sisma Y SLD	0	3.6	0	0	9.1E1	0.225
5001	7997	Sisma X SLV	15.5	0	0	0	1.7E2	0.225	5002	7997	Sisma Y SLV	0	15.5	0	0	1.7E2	0.225
5003	7997	Sisma X SLO	8.2	0	0	0	1.7E2	0.225	5004	7997	Sisma Y SLO	0	8.2	0	0	1.7E2	0.225
5005	7997	Sisma X SLD	6.8	0	0	0	1.7E2	0.225	5006	7997	Sisma Y SLD	0	6.8	0	0	1.7E2	0.225
5007	7998	Sisma X SLV	15.4	0	0	0	1.7E2	0.225	5008	7998	Sisma Y SLV	0	15.4	0	0	1.7E2	0.225
5009	7998	Sisma X SLO	8.2	0	0	0	1.7E2	0.225	5010	7998	Sisma Y SLO	0	8.2	0	0	1.7E2	0.225
5011	7998	Sisma X SLD	6.8	0	0	0	1.7E2	0.225	5012	7998	Sisma Y SLD	0	6.8	0	0	1.7E2	0.225
5013	7999	Sisma X SLV	15.4	0	0	0	1.7E2	0.226	5014	7999	Sisma Y SLV	0	15.4	0	0	1.7E2	0.226
5015	7999	Sisma X SLO	8.2	0	0	0	1.7E2	0.226	5016	7999	Sisma Y SLO	0	8.2	0	0	1.7E2	0.226
5017	7999	Sisma X SLD	6.8	0	0	0	1.7E2	0.226	5018	7999	Sisma Y SLD	0	6.8	0	0	1.7E2	0.226
5019	8000	Sisma X SLV	15.4	0	0	0	1.7E2	0.226	5020	8000	Sisma Y SLV	0	15.4	0	0	1.7E2	0.226
5021	8000	Sisma X SLO	8.2	0	0	0	1.7E2	0.226	5022	8000	Sisma Y SLO	0	8.2	0	0	1.7E2	0.226
5023	8000	Sisma X SLD	6.8	0	0	0	1.7E2	0.226	5024	8000	Sisma Y SLD	0	6.8	0	0	1.7E2	0.226
5025	8001	Sisma X SLV	15.3	0	0	0	1.7E2	0.226	5026	8001	Sisma Y SLV	0	15.3	0	0	1.7E2	0.226
5027	8001	Sisma X SLO	8.2	0	0	0	1.7E2	0.226	5028	8001	Sisma Y SLO	0	8.2	0	0	1.7E2	0.226
5029	8001	Sisma X SLD	6.8	0	0	0	1.7E2	0.226	5030	8001	Sisma Y SLD	0	6.8	0	0	1.7E2	0.226
5031	8002	Sisma X SLV	15.3	0	0	0	1.7E2	0.226	5032	8002	Sisma Y SLV	0	15.3	0	0	1.7E2	0.226
5033	8002	Sisma X SLO	8.2	0	0	0	1.7E2	0.226	5034	8002	Sisma Y SLO	0	8.2	0	0	1.7E2	0.226
5035	8002	Sisma X SLD	6.8	0	0	0	1.7E2	0.226	5036	8002	Sisma Y SLD	0	6.8	0	0	1.7E2	0.226
5037	8003	Sisma X SLV	15.3	0	0	0	1.7E2	0.226	5038	8003	Sisma Y SLV	0	15.3	0	0	1.7E2	0.226
5039	8003	Sisma X SLO	8.1	0	0	0	1.7E2	0.226	5040	8003	Sisma Y SLO	0	8.1	0	0	1.7E2	0.226
5041	8003	Sisma X SLD	6.8	0	0	0	1.7E2	0.226	5042	8003	Sisma Y SLD	0	6.8	0	0	1.7E2	0.226
5043	8004	Sisma X SLV	15.2	0	0	0	1.7E2	0.226	5044	8004	Sisma Y SLV	0	15.2	0	0	1.7E2	0.226
5045	8004	Sisma X SLO	8.1	0	0	0	1.7E2	0.226	5046	8004	Sisma Y SLO	0	8.1	0	0	1.7E2	0.226
5047	8004	Sisma X SLD	6.7	0	0	0	1.7E2	0.226	5048	8004	Sisma Y SLD	0	6.7	0	0	1.7E2	0.226
5049	8005	Sisma X SLV	15.2	0	0	0	1.7E2	0.226	5050	8005	Sisma Y SLV	0	15.2	0	0	1.7E2	0.226
5051	8005	Sisma X SLO	8.1	0	0	0	1.7E2	0.226	5052	8005	Sisma Y SLO	0	8.1	0	0	1.7E2	0.226
5053	8005	Sisma X SLD	6.7	0	0	0	1.7E2	0.226	5054	8005	Sisma Y SLD	0	6.7	0	0	1.7E2	0.226
5055	8006	Sisma X SLV	15.2	0	0	0	1.7E2	0.226	5056	8006	Sisma Y SLV	0	15.2	0	0	1.7E2	0.226
5057	8006	Sisma X SLO	8.1	0	0	0	1.7E2	0.226	5058	8006	Sisma Y SLO	0	8.1	0	0	1.7E2	0.226
5059	8006	Sisma X SLD	6.7	0	0	0	1.7E2	0.226	5060	8006	Sisma Y SLD	0	6.7	0	0	1.7E2	0.226
5061	8007	Sisma X SLV	17.9	0	0	0	2.0E2	0.226	5062	8007	Sisma Y SLV	0	17.9	0	0	2.0E2	0.226
5063	8007	Sisma X SLO	9.5	0	0	0	2.0E2	0.226	5064	8007	Sisma Y SLO	0	9.5	0	0	2.0E2	0.226
5065	8007	Sisma X SLD	7.9	0	0	0	2.0E2	0.226	5066	8007	Sisma Y SLD	0	7.9	0	0	2.0E2	0.226
5067	8008	Sisma X SLV	16.9	0	0	0	1.9E2	0.226	5068	8008	Sisma Y SLV	0	16.9	0	0	1.9E2	0.226
5069	8008	Sisma X SLO	9	0	0	0	1.9E2	0.226	5070	8008	Sisma Y SLO	0	9	0	0	1.9E2	0.226
5071	8008	Sisma X SLD	7.5	0	0	0	1.9E2	0.226	5072	8008	Sisma Y SLD	0	7.5	0	0	1.9E2	0.226
5073	8009	Sisma X SLV	15.8	0	0	0	1.7E2	0.226	5074	8009	Sisma Y SLV	0	15.8	0	0	1.7E2	0.226
5075	8009	Sisma X SLO	8.4	0	0	0	1.7E2	0.226	5076	8009	Sisma Y SLO	0	8.4	0	0	1.7E2	0.226
5077	8009	Sisma X SLD	7	0	0	0	1.7E2	0.226	5078	8009	Sisma Y SLD	0	7	0	0	1.7E2	0.226
5079	8010	Sisma X SLV	12.2	0	0	0	1.3E2	0.226	5080	8010	Sisma Y SLV	0	12.2	0	0	1.3E2	0.226
5081	8010	Sisma X SLO	6.5	0	0	0	1.3E2	0.226	5082	8010	Sisma Y SLO	0	6.5	0	0	1.3E2	0.226
5083	8010	Sisma X SLD	5.4	0	0	0	1.3E2	0.226	5084	8010	Sisma Y SLD	0	5.4	0	0	1.3E2	0.226
5085	8011	Sisma X SLV	17.9	0	0	0	2.0E2	0.226	5086	8011	Sisma Y SLV	0	17.9	0	0	2.0E2	0.226
5087	8011	Sisma X SLO	9.5	0	0	0	2.0E2	0.226	5088	8011	Sisma Y SLO	0	9.5	0	0	2.0E2	0.226
5089	8011	Sisma X SLD	7.9	0	0	0	2.0E2	0.226	5090	8011	Sisma Y SLD	0	7.9	0	0	2.0E2	0.226
5091	8012	Sisma X SLV	6.3	0	0	0	69.77	0.226	5092	8012	Sisma Y SLV	0	6.3	0	0	69.77	0.226
5093	8012	Sisma X SLO	3.4	0	0	0	69.77	0.226	5094	8012	Sisma Y SLO	0	3.4	0	0	69.77	0.226
5095	8012	Sisma X SLD	2.8	0	0	0	69.77	0.226	5096	8012	Sisma Y SLD	0	2.8	0	0	69.77	0.226
5097	8013	Sisma X SLV	7.8	0	0	0	8.6E1	0.226	5098	8013	Sisma Y SLV	0	7.8	0	0	8.6E1	0.226
5099	8013	Sisma X SLO	4.2	0	0	0	8.6E1	0.226	5100	8013	Sisma Y SLO	0	4.2	0	0	8.6E1	0.226
5101	8013	Sisma X SLD	3.5	0	0	0	8.6E1	0.226	5102	8013	Sisma Y SLD	0	3.5	0	0	8.6E1	0.226
5103	8014	Sisma X SLV	16.5	0	0	0	1.8E2	0.226	5104	8014	Sisma Y SLV	0	16.5	0	0	1.8E2	0.226
5105	8014	Sisma X SLO	8.8	0	0	0	1.8E2	0.226	5106	8014	Sisma Y SLO	0	8.8	0	0	1.8E2	0.226
5107	8014	Sisma X SLD	7.3	0	0	0	1.8E2	0.226	5108	8014	Sisma Y SLD	0	7.3	0	0	1.8E2	0.226
5109	8015	Sisma X SLV	14.7	0	0	0	1.6E2	0.226	5110	8015	Sisma Y SLV	0	14.7	0	0	1.6E2	0.226
5111	8015	Sisma X SLO	7.9	0	0	0	1.6E2	0.226	5112	8015	Sisma Y SLO	0	7.9	0	0	1.6E2	0.226

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
5113	8015	Sisma X SLD	6.5	0	0	0	1.6E2	0.226	5114	8015	Sisma Y SLD	0	6.5	0	0	1.6E2	0.226
5115	8016	Sisma X SLV	14.7	0	0	0	1.6E2	0.226	5116	8016	Sisma Y SLV	0	14.7	0	0	1.6E2	0.226
5117	8016	Sisma X SLO	7.8	0	0	0	1.6E2	0.226	5118	8016	Sisma Y SLO	0	7.8	0	0	1.6E2	0.226
5119	8016	Sisma X SLD	6.5	0	0	0	1.6E2	0.226	5120	8016	Sisma Y SLD	0	6.5	0	0	1.6E2	0.226
5121	8017	Sisma X SLV	14.6	0	0	0	1.6E2	0.227	5122	8017	Sisma Y SLV	0	14.6	0	0	1.6E2	0.227
5123	8017	Sisma X SLO	7.8	0	0	0	1.6E2	0.227	5124	8017	Sisma Y SLO	0	7.8	0	0	1.6E2	0.227
5125	8017	Sisma X SLD	6.5	0	0	0	1.6E2	0.227	5126	8017	Sisma Y SLD	0	6.5	0	0	1.6E2	0.227
5127	8018	Sisma X SLV	14.5	0	0	0	1.6E2	0.227	5128	8018	Sisma Y SLV	0	14.5	0	0	1.6E2	0.227
5129	8018	Sisma X SLO	7.7	0	0	0	1.6E2	0.227	5130	8018	Sisma Y SLO	0	7.7	0	0	1.6E2	0.227
5131	8018	Sisma X SLD	6.4	0	0	0	1.6E2	0.227	5132	8018	Sisma Y SLD	0	6.4	0	0	1.6E2	0.227
5133	8019	Sisma X SLV	15.7	0	0	0	1.7E2	0.227	5134	8019	Sisma Y SLV	0	15.7	0	0	1.7E2	0.227
5135	8019	Sisma X SLO	8.4	0	0	0	1.7E2	0.227	5136	8019	Sisma Y SLO	0	8.4	0	0	1.7E2	0.227
5137	8019	Sisma X SLD	7	0	0	0	1.7E2	0.227	5138	8019	Sisma Y SLD	0	7	0	0	1.7E2	0.227
5139	8020	Sisma X SLV	14.4	0	0	0	1.6E2	0.227	5140	8020	Sisma Y SLV	0	14.4	0	0	1.6E2	0.227
5141	8020	Sisma X SLO	7.7	0	0	0	1.6E2	0.227	5142	8020	Sisma Y SLO	0	7.7	0	0	1.6E2	0.227
5143	8020	Sisma X SLD	6.4	0	0	0	1.6E2	0.227	5144	8020	Sisma Y SLD	0	6.4	0	0	1.6E2	0.227
5145	8021	Sisma X SLV	14.3	0	0	0	1.6E2	0.227	5146	8021	Sisma Y SLV	0	14.3	0	0	1.6E2	0.227
5147	8021	Sisma X SLO	7.6	0	0	0	1.6E2	0.227	5148	8021	Sisma Y SLO	0	7.6	0	0	1.6E2	0.227
5149	8021	Sisma X SLD	6.3	0	0	0	1.6E2	0.227	5150	8021	Sisma Y SLD	0	6.3	0	0	1.6E2	0.227
5151	8022	Sisma X SLV	14.2	0	0	0	1.6E2	0.227	5152	8022	Sisma Y SLV	0	14.2	0	0	1.6E2	0.227
5153	8022	Sisma X SLO	7.6	0	0	0	1.6E2	0.227	5154	8022	Sisma Y SLO	0	7.6	0	0	1.6E2	0.227
5155	8022	Sisma X SLD	6.3	0	0	0	1.6E2	0.227	5156	8022	Sisma Y SLD	0	6.3	0	0	1.6E2	0.227
5157	8023	Sisma X SLV	14.1	0	0	0	1.6E2	0.227	5158	8023	Sisma Y SLV	0	14.1	0	0	1.6E2	0.227
5159	8023	Sisma X SLO	7.5	0	0	0	1.6E2	0.227	5160	8023	Sisma Y SLO	0	7.5	0	0	1.6E2	0.227
5161	8023	Sisma X SLD	6.2	0	0	0	1.6E2	0.227	5162	8023	Sisma Y SLD	0	6.2	0	0	1.6E2	0.227
5163	8024	Sisma X SLV	16	0	0	0	1.8E2	0.227	5164	8024	Sisma Y SLV	0	16	0	0	1.8E2	0.227
5165	8024	Sisma X SLO	8.5	0	0	0	1.8E2	0.227	5166	8024	Sisma Y SLO	0	8.5	0	0	1.8E2	0.227
5167	8024	Sisma X SLD	7.1	0	0	0	1.8E2	0.227	5168	8024	Sisma Y SLD	0	7.1	0	0	1.8E2	0.227
5169	8025	Sisma X SLV	14.1	0	0	0	1.6E2	0.227	5170	8025	Sisma Y SLV	0	14.1	0	0	1.6E2	0.227
5171	8025	Sisma X SLO	7.5	0	0	0	1.6E2	0.227	5172	8025	Sisma Y SLO	0	7.5	0	0	1.6E2	0.227
5173	8025	Sisma X SLD	6.2	0	0	0	1.6E2	0.227	5174	8025	Sisma Y SLD	0	6.2	0	0	1.6E2	0.227
5175	8026	Sisma X SLV	14.1	0	0	0	1.6E2	0.227	5176	8026	Sisma Y SLV	0	14.1	0	0	1.6E2	0.227
5177	8026	Sisma X SLO	7.5	0	0	0	1.6E2	0.227	5178	8026	Sisma Y SLO	0	7.5	0	0	1.6E2	0.227
5179	8026	Sisma X SLD	6.2	0	0	0	1.6E2	0.227	5180	8026	Sisma Y SLD	0	6.2	0	0	1.6E2	0.227
5181	8027	Sisma X SLV	15.8	0	0	0	1.7E2	0.227	5182	8027	Sisma Y SLV	0	15.8	0	0	1.7E2	0.227
5183	8027	Sisma X SLO	8.4	0	0	0	1.7E2	0.227	5184	8027	Sisma Y SLO	0	8.4	0	0	1.7E2	0.227
5185	8027	Sisma X SLD	7	0	0	0	1.7E2	0.227	5186	8027	Sisma Y SLD	0	7	0	0	1.7E2	0.227
5187	8028	Sisma X SLV	14.2	0	0	0	1.6E2	0.227	5188	8028	Sisma Y SLV	0	14.2	0	0	1.6E2	0.227
5189	8028	Sisma X SLO	7.6	0	0	0	1.6E2	0.227	5190	8028	Sisma Y SLO	0	7.6	0	0	1.6E2	0.227
5191	8028	Sisma X SLD	6.3	0	0	0	1.6E2	0.227	5192	8028	Sisma Y SLD	0	6.3	0	0	1.6E2	0.227
5193	8029	Sisma X SLV	14.4	0	0	0	1.6E2	0.227	5194	8029	Sisma Y SLV	0	14.4	0	0	1.6E2	0.227
5195	8029	Sisma X SLO	7.7	0	0	0	1.6E2	0.227	5196	8029	Sisma Y SLO	0	7.7	0	0	1.6E2	0.227
5197	8029	Sisma X SLD	6.4	0	0	0	1.6E2	0.227	5198	8029	Sisma Y SLD	0	6.4	0	0	1.6E2	0.227
5199	8030	Sisma X SLV	14.7	0	0	0	1.6E2	0.227	5200	8030	Sisma Y SLV	0	14.7	0	0	1.6E2	0.227
5201	8030	Sisma X SLO	7.8	0	0	0	1.6E2	0.227	5202	8030	Sisma Y SLO	0	7.8	0	0	1.6E2	0.227
5203	8030	Sisma X SLD	6.5	0	0	0	1.6E2	0.227	5204	8030	Sisma Y SLD	0	6.5	0	0	1.6E2	0.227
5205	8031	Sisma X SLV	14.9	0	0	0	1.6E2	0.227	5206	8031	Sisma Y SLV	0	14.9	0	0	1.6E2	0.227
5207	8031	Sisma X SLO	7.9	0	0	0	1.6E2	0.227	5208	8031	Sisma Y SLO	0	7.9	0	0	1.6E2	0.227
5209	8031	Sisma X SLD	6.6	0	0	0	1.6E2	0.227	5210	8031	Sisma Y SLD	0	6.6	0	0	1.6E2	0.227
5211	8032	Sisma X SLV	15	0	0	0	1.7E2	0.228	5212	8032	Sisma Y SLV	0	15	0	0	1.7E2	0.228
5213	8032	Sisma X SLO	8	0	0	0	1.7E2	0.228	5214	8032	Sisma Y SLO	0	8	0	0	1.7E2	0.228
5215	8032	Sisma X SLD	6.6	0	0	0	1.7E2	0.228	5216	8032	Sisma Y SLD	0	6.6	0	0	1.7E2	0.228
5217	8033	Sisma X SLV	7.7	0	0	0	8.5E1	0.228	5218	8033	Sisma Y SLV	0	7.7	0	0	8.5E1	0.228
5219	8033	Sisma X SLO	4.1	0	0	0	8.5E1	0.228	5220	8033	Sisma Y SLO	0	4.1	0	0	8.5E1	0.228
5221	8033	Sisma X SLD	3.4	0	0	0	8.5E1	0.228	5222	8033	Sisma Y SLD	0	3.4	0	0	8.5E1	0.228
5223	8034	Sisma X SLV	8.2	0	0	0	9.0E1	0.228	5224	8034	Sisma Y SLV	0	8.2	0	0	9.0E1	0.228
5225	8034	Sisma X SLO	4.4	0	0	0	9.0E1	0.228	5226	8034	Sisma Y SLO	0	4.4	0	0	9.0E1	0.228
5227	8034	Sisma X SLD	3.6	0	0	0	9.0E1	0.228	5228	8034	Sisma Y SLD	0	3.6	0	0	9.0E1	0.228
5229	8035	Sisma X SLV	15.1	0	0	0	1.7E2	0.228	5230	8035	Sisma Y SLV	0	15.1	0	0	1.7E2	0.228
5231	8035	Sisma X SLO	8	0	0	0	1.7E2	0.228	5232	8035	Sisma Y SLO	0	8	0	0	1.7E2	0.228
5233	8035	Sisma X SLD	6.7	0	0	0	1.7E2	0.228	5234	8035	Sisma Y SLD	0	6.7	0	0	1.7E2	0.228
5235	8036	Sisma X SLV	16.5	0	0	0	1.8E2	0.228	5236	8036	Sisma Y SLV	0	16.5	0	0	1.8E2	0.228
5237	8036	Sisma X SLO	8.8	0	0	0	1.8E2	0.228	5238	8036	Sisma Y SLO	0	8.8	0	0	1.8E2	0.228
5239	8036	Sisma X SLD	7.3	0	0	0	1.8E2	0.228	5240	8036	Sisma Y SLD	0	7.3	0	0	1.8E2	0.228
5241	8037	Sisma X SLV	15.1	0	0	0	1.7E2	0.228	5242	8037	Sisma Y SLV	0	15.1	0	0	1.7E2	0.228
5243	8037	Sisma X SLO	8	0	0	0	1.7E2	0.228	5244	8037	Sisma Y SLO	0	8	0	0	1.7E2	0.228
5245	8037	Sisma X SLD	6.7	0	0	0	1.7E2	0.228	5246	8037	Sisma Y SLD	0	6.7	0	0	1.7E2	0.228
5247	8038	Sisma X SLV	15.3	0	0	0	1.7E2	0.228	5248	8038	Sisma Y SLV	0	15.3	0	0	1.7E2	0.228
5249	8038	Sisma X SLO	8.1	0	0	0	1.7E2	0.228	5250	8038	Sisma Y SLO	0	8.1	0	0	1.7E2	0.228
5251	8038	Sisma X SLD	6.8	0	0	0	1.7E2	0.228	5252	8038	Sisma Y SLD	0	6.8	0	0	1.7E2	0.228
5253	8039	Sisma X SLV	15.1	0	0	0	1.7E2	0.228	5254	8039	Sisma Y SLV	0	15.1	0	0	1.7E2	0.228
5255	8039	Sisma X SLO	8	0	0	0	1.7E2	0.228	5256	8039	Sisma Y SLO	0	8	0	0	1.7E2	0.228
5257	8039	Sisma X SLD	6.7	0	0	0	1.7E2	0.228	5258	8039	Sisma Y SLD	0	6.7	0	0	1.7E2	0.228
5259	8040	Sisma X SLV	15.1	0	0	0	166.1	0.228	5260	8040	Sisma Y SLV	0	15.1	0	0	166.1	0.228
5261	8040	Sisma X SLO	8.1	0	0	0	166.1	0.228	5262	8040	Sisma Y SLO	0	8.1	0	0	166.1	0.228
5263	8040	Sisma X SLD	6.7	0	0	0	166.1	0.228	5264	8040	Sisma Y SLD	0	6.7	0	0	166.1	0.228
5265	8041	Sisma X SLV	10.2	0	0	0	1.0E2	0.244	5266	8041	Sisma Y SLV	0	10.2	0	0	1.0E2	0.244
5267	8041	Sisma X SLO	5.4	0	0	0	1.0E2	0.244	5268	8041	Sisma Y SLO	0	5.4	0	0	1.0E2	0.244
5269	8041	Sisma X SLD	4.5	0	0	0	1.0E2	0.244	5270	8041	Sisma Y SLD	0	4.5	0	0	1.0E2	0.244
5271	8042	Sisma X SLV	10	0	0	0	9.5E1	0.264	5272	8042	Sisma Y SLV	0	10	0	0	9.5E1	0.264
5273	8042	Sisma X SLO	5.3	0	0	0	9.5E1	0.264	5274	8042	Sisma Y SLO	0	5.3	0	0	9.5E1	0.264
5275	8042	Sisma X SLD	4.4	0	0	0	9.5E1	0.264	5276	8042	Sisma Y SLD	0	4.4	0	0	9.5E1	0.264
5277	8043	Sisma X SLV	10.6	0	0	0	9.4E1	0.28	5278	8043	Sisma Y SLV	0	10.6	0	0	9.4E1	0.28
5279	8043	Sisma X SLO	5.6	0	0	0	9.4E1	0.28	5280	8043	Sisma Y SLO	0	5.6	0	0	9.4E1	0.28
5281	8043	Sisma X SLD	4.7	0	0	0	9.4E1	0.28	5282	8043	Sisma Y SLD	0	4.7	0	0	9.4E1	0.28
5283	8044	Sisma X SLV	6	0	0	0	5.3E1	0.286	5284	8044	Sisma Y SLV	0	6	0	0	5.3E1	0.286
5285	8044	Sisma X SLO	3.2	0	0	0	5.3E1	0.286	5286	8044	Sisma Y SLO	0	3.2	0	0	5.3E1	0.286
5287	8044	Sisma X SLD	2.7	0	0	0	5.3E1	0.286	5288	8044	Sisma Y SLD	0	2.7	0	0	5.3E1	0.286
5289	8045	Sisma X SLV	6	0	0	0	5.3E1	0.286	5290	8045	Sisma Y SLV	0	6	0	0	5.3E1	0.286
5291	8045	Sisma X SLO	3.2	0	0	0	5.3E1	0.286	5292	8045	Sisma Y SLO	0	3.2	0	0	5.3E1	0.286
5293	8045	Sisma X SLD	2.7	0	0	0	5.3E1	0.286	5294	8045	Sisma Y SLD	0	2.7	0	0	5.3E1	0.286
5295	8046	Sisma X SLV	9.1	0	0	0	8.0E1	0.286	5296	8046	Sisma Y SLV	0	9.1	0	0	8.0E1	0.286
5297	8046	Sisma X SLO	4.9	0	0	0	8.0E1	0.286	5298	8046	Sisma Y SLO	0	4.9	0	0	8.0E1	0.286
5299	8046	Sisma X SLD	4	0	0	0	8.0E1	0.286	5300	8046	Sisma Y SLD	0	4	0	0	8.0E1	0.286
5301	8047	Sisma X SLV	22.3	0	0	0	2.0E2	0.286	5302	8047	Sisma Y SLV	0	22.3	0	0	2.0E2	0.286
5303	8047	Sisma X SLO	11.9	0	0	0	2.0E2	0.286	5304	8047	Sisma Y SLO	0	11.9	0	0	2.0E2	0.286
5305	8047	Sisma X SLD	9.9	0	0	0	2.0E2	0.286	5306	8047	Sisma Y SLD	0	9.9	0	0	2.0E2	0.286
5307	8048	Sisma X SLV	18.5	0	0	0	1.6E2	0.288	5308	8048	Sisma Y SLV	0	18.5	0	0	1.6E2	0.288
5309	8048	Sisma X SLO	9.9	0	0	0	1.6E2	0.288	5310	8048	Sisma Y SLO	0	9.9	0	0	1.6E2	0.288
5311	8048	Sisma X SLD	8.2	0	0	0	1.6E2	0.288	5312	8048	Sisma Y SLD	0	8.2	0	0	1.6E2	0.288

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
5313	8049	Sisma X SLV	13.6	0	0	0	1.2E2	0.29	5314	8049	Sisma Y SLV	0	13.6	0	0	1.2E2	0.29
5315	8049	Sisma X SLO	7.3	0	0	0	1.2E2	0.29	5316	8049	Sisma Y SLO	0	7.3	0	0	1.2E2	0.29
5317	8049	Sisma X SLD	6	0	0	0	1.2E2	0.29	5318	8049	Sisma Y SLD	0	6	0	0	1.2E2	0.29
5319	8050	Sisma X SLV	18.8	0	0	0	1.6E2	0.29	5320	8050	Sisma Y SLV	0	18.8	0	0	1.6E2	0.29
5321	8050	Sisma X SLO	10	0	0	0	1.6E2	0.29	5322	8050	Sisma Y SLO	0	10	0	0	1.6E2	0.29
5323	8050	Sisma X SLD	8.3	0	0	0	1.6E2	0.29	5324	8050	Sisma Y SLD	0	8.3	0	0	1.6E2	0.29
5325	8051	Sisma X SLV	13.6	0	0	0	1.2E2	0.29	5326	8051	Sisma Y SLV	0	13.6	0	0	1.2E2	0.29
5327	8051	Sisma X SLO	7.3	0	0	0	1.2E2	0.29	5328	8051	Sisma Y SLO	0	7.3	0	0	1.2E2	0.29
5329	8051	Sisma X SLD	6	0	0	0	1.2E2	0.29	5330	8051	Sisma Y SLD	0	6	0	0	1.2E2	0.29
5331	8052	Sisma X SLV	8.1	0	0	0	7.0E1	0.29	5332	8052	Sisma Y SLV	0	8.1	0	0	7.0E1	0.29
5333	8052	Sisma X SLO	4.3	0	0	0	7.0E1	0.29	5334	8052	Sisma Y SLO	0	4.3	0	0	7.0E1	0.29
5335	8052	Sisma X SLD	3.6	0	0	0	7.0E1	0.29	5336	8052	Sisma Y SLD	0	3.6	0	0	7.0E1	0.29
5337	8053	Sisma X SLV	11.5	0	0	0	9.9E1	0.29	5338	8053	Sisma Y SLV	0	11.5	0	0	9.9E1	0.29
5339	8053	Sisma X SLO	6.1	0	0	0	9.9E1	0.29	5340	8053	Sisma Y SLO	0	6.1	0	0	9.9E1	0.29
5341	8053	Sisma X SLD	5.1	0	0	0	9.9E1	0.29	5342	8053	Sisma Y SLD	0	5.1	0	0	9.9E1	0.29
5343	8054	Sisma X SLV	12.4	0	0	0	1.1E2	0.291	5344	8054	Sisma Y SLV	0	12.4	0	0	1.1E2	0.291
5345	8054	Sisma X SLO	6.6	0	0	0	1.1E2	0.291	5346	8054	Sisma Y SLO	0	6.6	0	0	1.1E2	0.291
5347	8054	Sisma X SLD	5.5	0	0	0	1.1E2	0.291	5348	8054	Sisma Y SLD	0	5.5	0	0	1.1E2	0.291
5349	8055	Sisma X SLV	19	0	0	0	1.6E2	0.292	5350	8055	Sisma Y SLV	0	19	0	0	1.6E2	0.292
5351	8055	Sisma X SLO	10.2	0	0	0	1.6E2	0.292	5352	8055	Sisma Y SLO	0	10.2	0	0	1.6E2	0.292
5353	8055	Sisma X SLD	8.4	0	0	0	1.6E2	0.292	5354	8055	Sisma Y SLD	0	8.4	0	0	1.6E2	0.292
5355	8056	Sisma X SLV	13.5	0	0	0	1.2E2	0.292	5356	8056	Sisma Y SLV	0	13.5	0	0	1.2E2	0.292
5357	8056	Sisma X SLO	7.2	0	0	0	1.2E2	0.292	5358	8056	Sisma Y SLO	0	7.2	0	0	1.2E2	0.292
5359	8056	Sisma X SLD	6	0	0	0	1.2E2	0.292	5360	8056	Sisma Y SLD	0	6	0	0	1.2E2	0.292
5361	8057	Sisma X SLV	18.3	0	0	0	1.6E2	0.292	5362	8057	Sisma Y SLV	0	18.3	0	0	1.6E2	0.292
5363	8057	Sisma X SLO	9.8	0	0	0	1.6E2	0.292	5364	8057	Sisma Y SLO	0	9.8	0	0	1.6E2	0.292
5365	8057	Sisma X SLD	8.1	0	0	0	1.6E2	0.292	5366	8057	Sisma Y SLD	0	8.1	0	0	1.6E2	0.292
5367	8058	Sisma X SLV	13.4	0	0	0	1.1E2	0.293	5368	8058	Sisma Y SLV	0	13.4	0	0	1.1E2	0.293
5369	8058	Sisma X SLO	7.1	0	0	0	1.1E2	0.293	5370	8058	Sisma Y SLO	0	7.1	0	0	1.1E2	0.293
5371	8058	Sisma X SLD	5.9	0	0	0	1.1E2	0.293	5372	8058	Sisma Y SLD	0	5.9	0	0	1.1E2	0.293
5373	8059	Sisma X SLV	11.8	0	0	0	1.0E2	0.293	5374	8059	Sisma Y SLV	0	11.8	0	0	1.0E2	0.293
5375	8059	Sisma X SLO	6.3	0	0	0	1.0E2	0.293	5376	8059	Sisma Y SLO	0	6.3	0	0	1.0E2	0.293
5377	8059	Sisma X SLD	5.2	0	0	0	1.0E2	0.293	5378	8059	Sisma Y SLD	0	5.2	0	0	1.0E2	0.293
5379	8060	Sisma X SLV	18	0	0	0	1.5E2	0.293	5380	8060	Sisma Y SLV	0	18	0	0	1.5E2	0.293
5381	8060	Sisma X SLO	9.6	0	0	0	1.5E2	0.293	5382	8060	Sisma Y SLO	0	9.6	0	0	1.5E2	0.293
5383	8060	Sisma X SLD	8	0	0	0	1.5E2	0.293	5384	8060	Sisma Y SLD	0	8	0	0	1.5E2	0.293
5385	8061	Sisma X SLV	17.2	0	0	0	1.5E2	0.293	5386	8061	Sisma Y SLV	0	17.2	0	0	1.5E2	0.293
5387	8061	Sisma X SLO	9.1	0	0	0	1.5E2	0.293	5388	8061	Sisma Y SLO	0	9.1	0	0	1.5E2	0.293
5389	8061	Sisma X SLD	7.6	0	0	0	1.5E2	0.293	5390	8061	Sisma Y SLD	0	7.6	0	0	1.5E2	0.293
5391	8062	Sisma X SLV	19.2	0	0	0	1.6E2	0.293	5392	8062	Sisma Y SLV	0	19.2	0	0	1.6E2	0.293
5393	8062	Sisma X SLO	10.3	0	0	0	1.6E2	0.293	5394	8062	Sisma Y SLO	0	10.3	0	0	1.6E2	0.293
5395	8062	Sisma X SLD	8.5	0	0	0	1.6E2	0.293	5396	8062	Sisma Y SLD	0	8.5	0	0	1.6E2	0.293
5397	8063	Sisma X SLV	11.8	0	0	0	1.0E2	0.293	5398	8063	Sisma Y SLV	0	11.8	0	0	1.0E2	0.293
5399	8063	Sisma X SLO	6.3	0	0	0	1.0E2	0.293	5400	8063	Sisma Y SLO	0	6.3	0	0	1.0E2	0.293
5401	8063	Sisma X SLD	5.2	0	0	0	1.0E2	0.293	5402	8063	Sisma Y SLD	0	5.2	0	0	1.0E2	0.293
5403	8064	Sisma X SLV	11.9	0	0	0	1.0E2	0.293	5404	8064	Sisma Y SLV	0	11.9	0	0	1.0E2	0.293
5405	8064	Sisma X SLO	6.4	0	0	0	1.0E2	0.293	5406	8064	Sisma Y SLO	0	6.4	0	0	1.0E2	0.293
5407	8064	Sisma X SLD	5.3	0	0	0	1.0E2	0.293	5408	8064	Sisma Y SLD	0	5.3	0	0	1.0E2	0.293
5409	8065	Sisma X SLV	11	0	0	0	9.4E1	0.294	5410	8065	Sisma Y SLV	0	11	0	0	9.4E1	0.294
5411	8065	Sisma X SLO	5.9	0	0	0	9.4E1	0.294	5412	8065	Sisma Y SLO	0	5.9	0	0	9.4E1	0.294
5413	8065	Sisma X SLD	4.9	0	0	0	9.4E1	0.294	5414	8065	Sisma Y SLD	0	4.9	0	0	9.4E1	0.294
5415	8066	Sisma X SLV	16.7	0	0	0	1.4E2	0.294	5416	8066	Sisma Y SLV	0	16.7	0	0	1.4E2	0.294
5417	8066	Sisma X SLO	8.9	0	0	0	1.4E2	0.294	5418	8066	Sisma Y SLO	0	8.9	0	0	1.4E2	0.294
5419	8066	Sisma X SLD	7.4	0	0	0	1.4E2	0.294	5420	8066	Sisma Y SLD	0	7.4	0	0	1.4E2	0.294
5421	8067	Sisma X SLV	11.1	0	0	0	9.4E1	0.294	5422	8067	Sisma Y SLV	0	11.1	0	0	9.4E1	0.294
5423	8067	Sisma X SLO	5.9	0	0	0	9.4E1	0.294	5424	8067	Sisma Y SLO	0	5.9	0	0	9.4E1	0.294
5425	8067	Sisma X SLD	4.9	0	0	0	9.4E1	0.294	5426	8067	Sisma Y SLD	0	4.9	0	0	9.4E1	0.294
5427	8068	Sisma X SLV	11.7	0	0	0	1.0E2	0.294	5428	8068	Sisma Y SLV	0	11.7	0	0	1.0E2	0.294
5429	8068	Sisma X SLO	6.3	0	0	0	1.0E2	0.294	5430	8068	Sisma Y SLO	0	6.3	0	0	1.0E2	0.294
5431	8068	Sisma X SLD	5.2	0	0	0	1.0E2	0.294	5432	8068	Sisma Y SLD	0	5.2	0	0	1.0E2	0.294
5433	8069	Sisma X SLV	12.7	0	0	0	1.1E2	0.294	5434	8069	Sisma Y SLV	0	12.7	0	0	1.1E2	0.294
5435	8069	Sisma X SLO	6.7	0	0	0	1.1E2	0.294	5436	8069	Sisma Y SLO	0	6.7	0	0	1.1E2	0.294
5437	8069	Sisma X SLD	5.6	0	0	0	1.1E2	0.294	5438	8069	Sisma Y SLD	0	5.6	0	0	1.1E2	0.294
5439	8070	Sisma X SLV	19.4	0	0	0	1.6E2	0.294	5440	8070	Sisma Y SLV	0	19.4	0	0	1.6E2	0.294
5441	8070	Sisma X SLO	10.3	0	0	0	1.6E2	0.294	5442	8070	Sisma Y SLO	0	10.3	0	0	1.6E2	0.294
5443	8070	Sisma X SLD	8.6	0	0	0	1.6E2	0.294	5444	8070	Sisma Y SLD	0	8.6	0	0	1.6E2	0.294
5445	8071	Sisma X SLV	12.7	0	0	0	1.1E2	0.294	5446	8071	Sisma Y SLV	0	12.7	0	0	1.1E2	0.294
5447	8071	Sisma X SLO	6.8	0	0	0	1.1E2	0.294	5448	8071	Sisma Y SLO	0	6.8	0	0	1.1E2	0.294
5449	8071	Sisma X SLD	5.6	0	0	0	1.1E2	0.294	5450	8071	Sisma Y SLD	0	5.6	0	0	1.1E2	0.294
5451	8072	Sisma X SLV	12.7	0	0	0	1.1E2	0.294	5452	8072	Sisma Y SLV	0	12.7	0	0	1.1E2	0.294
5453	8072	Sisma X SLO	6.8	0	0	0	1.1E2	0.294	5454	8072	Sisma Y SLO	0	6.8	0	0	1.1E2	0.294
5455	8072	Sisma X SLD	5.6	0	0	0	1.1E2	0.294	5456	8072	Sisma Y SLD	0	5.6	0	0	1.1E2	0.294
5457	8073	Sisma X SLV	11.2	0	0	0	9.5E1	0.295	5458	8073	Sisma Y SLV	0	11.2	0	0	9.5E1	0.295
5459	8073	Sisma X SLO	6	0	0	0	9.5E1	0.295	5460	8073	Sisma Y SLO	0	6	0	0	9.5E1	0.295
5461	8073	Sisma X SLD	5	0	0	0	9.5E1	0.295	5462	8073	Sisma Y SLD	0	5	0	0	9.5E1	0.295
5463	8074	Sisma X SLV	12.4	0	0	0	1.1E2	0.295	5464	8074	Sisma Y SLV	0	12.4	0	0	1.1E2	0.295
5465	8074	Sisma X SLO	6.6	0	0	0	1.1E2	0.295	5466	8074	Sisma Y SLO	0	6.6	0	0	1.1E2	0.295
5467	8074	Sisma X SLD	5.5	0	0	0	1.1E2	0.295	5468	8074	Sisma Y SLD	0	5.5	0	0	1.1E2	0.295
5469	8075	Sisma X SLV	12.7	0	0	0	1.1E2	0.295	5470	8075	Sisma Y SLV	0	12.7	0	0	1.1E2	0.295
5471	8075	Sisma X SLO	6.8	0	0	0	1.1E2	0.295	5472	8075	Sisma Y SLO	0	6.8	0	0	1.1E2	0.295
5473	8075	Sisma X SLD	5.6	0	0	0	1.1E2	0.295	5474	8075	Sisma Y SLD	0	5.6	0	0	1.1E2	0.295
5475	8076	Sisma X SLV	12.3	0	0	0	1.0E2	0.295	5476	8076	Sisma Y SLV	0	12.3	0	0	1.0E2	0.295
5477	8076	Sisma X SLO	6.5	0	0	0	1.0E2	0.295	5478	8076	Sisma Y SLO	0	6.5	0	0	1.0E2	0.295
5479	8076	Sisma X SLD	5.4	0	0	0	1.0E2	0.295	5480	8076	Sisma Y SLD	0	5.4	0	0	1.0E2	0.295
5481	8077	Sisma X SLV	14.5	0	0	0	1.2E2	0.295	5482	8077	Sisma Y SLV	0	14.5	0	0	1.2E2	0.295
5483	8077	Sisma X SLO	7.7	0	0	0	1.2E2	0.295	5484	8077	Sisma Y SLO	0	7.7	0	0	1.2E2	0.295
5485	8077	Sisma X SLD	6.4	0	0	0	1.2E2	0.295	5486	8077	Sisma Y SLD	0	6.4	0	0	1.2E2	0.295
5487	8078	Sisma X SLV	12	0	0	0	1.0E2	0.295	5488	8078	Sisma Y SLV	0	12	0	0	1.0E2	0.295
5489	8078	Sisma X SLO	6.4	0	0	0	1.0E2	0.295	5490	8078	Sisma Y SLO	0	6.4	0	0	1.0E2	0.295
5491	8078	Sisma X SLD	5.3	0	0	0	1.0E2	0.295	5492	8078	Sisma Y SLD	0	5.3	0	0	1.0E2	0.295
5493	8079	Sisma X SLV	11.2	0	0	0	9.5E1	0.295	5494	8079	Sisma Y SLV	0	11.2	0	0	9.5E1	0.295
5495	8079	Sisma X SLO	6	0	0	0	9.5E1	0.295	5496	8079	Sisma Y SLO	0	6	0	0	9.5E1	0.295
5497	8079	Sisma X SLD	5	0	0	0	9.5E1	0.295	5498	8079	Sisma Y SLD	0	5	0	0	9.5E1	0.295
5499	8080	Sisma X SLV	12	0	0	0	1.0E2	0.295	5500	8080	Sisma Y SLV	0	12	0	0	1.0E2	0.295
5501	8080	Sisma X SLO	6.4	0	0	0	1.0E2	0.295	5502	8080	Sisma Y SLO	0	6.4	0	0	1.0E2	0.295
5503	8080	Sisma X SLD	5.3	0	0	0	1.0E2	0.295	5504	8080	Sisma Y SLD	0	5.3	0	0	1.0E2	0.295
5505	8081	Sisma X SLV	11.7	0	0	0	9.9E1	0.295	5506	8081	Sisma Y SLV	0	11.7	0	0	9.9E1	0.295
5507	8081	Sisma X SLO	6.2	0	0	0	9.9E1	0.295	5508	8081	Sisma Y SLO	0	6.2	0	0	9.9E1	0.295
5509	8081	Sisma X SLD	5.2	0	0	0	9.9E1	0.295	5510	8081	Sisma Y SLD	0	5.2	0	0	9.9E1	0.295
5511	8082	Sisma X SLV	19.4	0	0	0	1.6E2	0.295	5512	8082	Sisma Y SLV	0	19.4	0	0	1.6E2	0.295

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
5513	8082	Sisma X SLO	10.3	0	0	0	1.6E2	0.295	5514	8082	Sisma Y SLO	0	10.3	0	0	1.6E2	0.295
5515	8082	Sisma X SLD	8.6	0	0	0	1.6E2	0.295	5516	8082	Sisma Y SLD	0	8.6	0	0	1.6E2	0.295
5517	8083	Sisma X SLV	12.4	0	0	0	1.1E2	0.295	5518	8083	Sisma Y SLV	0	12.4	0	0	1.1E2	0.295
5519	8083	Sisma X SLO	6.6	0	0	0	1.1E2	0.295	5520	8083	Sisma Y SLO	0	6.6	0	0	1.1E2	0.295
5521	8083	Sisma X SLD	5.5	0	0	0	1.1E2	0.295	5522	8083	Sisma Y SLD	0	5.5	0	0	1.1E2	0.295
5523	8084	Sisma X SLV	12.9	0	0	0	1.1E2	0.295	5524	8084	Sisma Y SLV	0	12.9	0	0	1.1E2	0.295
5525	8084	Sisma X SLO	6.9	0	0	0	1.1E2	0.295	5526	8084	Sisma Y SLO	0	6.9	0	0	1.1E2	0.295
5527	8084	Sisma X SLD	5.7	0	0	0	1.1E2	0.295	5528	8084	Sisma Y SLD	0	5.7	0	0	1.1E2	0.295
5529	8085	Sisma X SLV	12.3	0	0	0	1.0E2	0.295	5530	8085	Sisma Y SLV	0	12.3	0	0	1.0E2	0.295
5531	8085	Sisma X SLO	6.6	0	0	0	1.0E2	0.295	5532	8085	Sisma Y SLO	0	6.6	0	0	1.0E2	0.295
5533	8085	Sisma X SLD	5.4	0	0	0	1.0E2	0.295	5534	8085	Sisma Y SLD	0	5.4	0	0	1.0E2	0.295
5535	8086	Sisma X SLV	12.4	0	0	0	1.0E2	0.295	5536	8086	Sisma Y SLV	0	12.4	0	0	1.0E2	0.295
5537	8086	Sisma X SLO	6.6	0	0	0	1.0E2	0.295	5538	8086	Sisma Y SLO	0	6.6	0	0	1.0E2	0.295
5539	8086	Sisma X SLD	5.5	0	0	0	1.0E2	0.295	5540	8086	Sisma Y SLD	0	5.5	0	0	1.0E2	0.295
5541	8087	Sisma X SLV	12.2	0	0	0	1.0E2	0.296	5542	8087	Sisma Y SLV	0	12.2	0	0	1.0E2	0.296
5543	8087	Sisma X SLO	6.5	0	0	0	1.0E2	0.296	5544	8087	Sisma Y SLO	0	6.5	0	0	1.0E2	0.296
5545	8087	Sisma X SLD	5.4	0	0	0	1.0E2	0.296	5546	8087	Sisma Y SLD	0	5.4	0	0	1.0E2	0.296
5547	8088	Sisma X SLV	12.4	0	0	0	1.0E2	0.296	5548	8088	Sisma Y SLV	0	12.4	0	0	1.0E2	0.296
5549	8088	Sisma X SLO	6.6	0	0	0	1.0E2	0.296	5550	8088	Sisma Y SLO	0	6.6	0	0	1.0E2	0.296
5551	8088	Sisma X SLD	5.5	0	0	0	1.0E2	0.296	5552	8088	Sisma Y SLD	0	5.5	0	0	1.0E2	0.296
5553	8089	Sisma X SLV	19.4	0	0	0	1.6E2	0.296	5554	8089	Sisma Y SLV	0	19.4	0	0	1.6E2	0.296
5555	8089	Sisma X SLO	10.3	0	0	0	1.6E2	0.296	5556	8089	Sisma Y SLO	0	10.3	0	0	1.6E2	0.296
5557	8089	Sisma X SLD	8.6	0	0	0	1.6E2	0.296	5558	8089	Sisma Y SLD	0	8.6	0	0	1.6E2	0.296
5559	8090	Sisma X SLV	11.5	0	0	0	9.7E1	0.296	5560	8090	Sisma Y SLV	0	11.5	0	0	9.7E1	0.296
5561	8090	Sisma X SLO	6.1	0	0	0	9.7E1	0.296	5562	8090	Sisma Y SLO	0	6.1	0	0	9.7E1	0.296
5563	8090	Sisma X SLD	5.1	0	0	0	9.7E1	0.296	5564	8090	Sisma Y SLD	0	5.1	0	0	9.7E1	0.296
5565	8091	Sisma X SLV	11.6	0	0	0	97.98	0.296	5566	8091	Sisma Y SLV	0	11.6	0	0	97.98	0.296
5567	8091	Sisma X SLO	6.2	0	0	0	97.98	0.296	5568	8091	Sisma Y SLO	0	6.2	0	0	97.98	0.296
5569	8091	Sisma X SLD	5.1	0	0	0	97.98	0.296	5570	8091	Sisma Y SLD	0	5.1	0	0	97.98	0.296
5571	8092	Sisma X SLV	18.2	0	0	0	1.5E2	0.296	5572	8092	Sisma Y SLV	0	18.2	0	0	1.5E2	0.296
5573	8092	Sisma X SLO	9.7	0	0	0	1.5E2	0.296	5574	8092	Sisma Y SLO	0	9.7	0	0	1.5E2	0.296
5575	8092	Sisma X SLD	8	0	0	0	1.5E2	0.296	5576	8092	Sisma Y SLD	0	8	0	0	1.5E2	0.296
5577	8093	Sisma X SLV	19.3	0	0	0	1.6E2	0.296	5578	8093	Sisma Y SLV	0	19.3	0	0	1.6E2	0.296
5579	8093	Sisma X SLO	10.3	0	0	0	1.6E2	0.296	5580	8093	Sisma Y SLO	0	10.3	0	0	1.6E2	0.296
5581	8093	Sisma X SLD	8.5	0	0	0	1.6E2	0.296	5582	8093	Sisma Y SLD	0	8.5	0	0	1.6E2	0.296
5583	8094	Sisma X SLV	13.3	0	0	0	1.1E2	0.296	5584	8094	Sisma Y SLV	0	13.3	0	0	1.1E2	0.296
5585	8094	Sisma X SLO	7.1	0	0	0	1.1E2	0.296	5586	8094	Sisma Y SLO	0	7.1	0	0	1.1E2	0.296
5587	8094	Sisma X SLD	5.9	0	0	0	1.1E2	0.296	5588	8094	Sisma Y SLD	0	5.9	0	0	1.1E2	0.296
5589	8095	Sisma X SLV	15.4	0	0	0	1.3E2	0.296	5590	8095	Sisma Y SLV	0	15.4	0	0	1.3E2	0.296
5591	8095	Sisma X SLO	8.2	0	0	0	1.3E2	0.296	5592	8095	Sisma Y SLO	0	8.2	0	0	1.3E2	0.296
5593	8095	Sisma X SLD	6.8	0	0	0	1.3E2	0.296	5594	8095	Sisma Y SLD	0	6.8	0	0	1.3E2	0.296
5595	8096	Sisma X SLV	12.1	0	0	0	1.0E2	0.297	5596	8096	Sisma Y SLV	0	12.1	0	0	1.0E2	0.297
5597	8096	Sisma X SLO	6.5	0	0	0	1.0E2	0.297	5598	8096	Sisma Y SLO	0	6.5	0	0	1.0E2	0.297
5599	8096	Sisma X SLD	5.4	0	0	0	1.0E2	0.297	5600	8096	Sisma Y SLD	0	5.4	0	0	1.0E2	0.297
5601	8097	Sisma X SLV	19.3	0	0	0	1.6E2	0.297	5602	8097	Sisma Y SLV	0	19.3	0	0	1.6E2	0.297
5603	8097	Sisma X SLO	10.3	0	0	0	1.6E2	0.297	5604	8097	Sisma Y SLO	0	10.3	0	0	1.6E2	0.297
5605	8097	Sisma X SLD	8.5	0	0	0	1.6E2	0.297	5606	8097	Sisma Y SLD	0	8.5	0	0	1.6E2	0.297
5607	8098	Sisma X SLV	17.2	0	0	0	1.4E2	0.297	5608	8098	Sisma Y SLV	0	17.2	0	0	1.4E2	0.297
5609	8098	Sisma X SLO	9.1	0	0	0	1.4E2	0.297	5610	8098	Sisma Y SLO	0	9.1	0	0	1.4E2	0.297
5611	8098	Sisma X SLD	7.6	0	0	0	1.4E2	0.297	5612	8098	Sisma Y SLD	0	7.6	0	0	1.4E2	0.297
5613	8099	Sisma X SLV	18.5	0	0	0	1.6E2	0.297	5614	8099	Sisma Y SLV	0	18.5	0	0	1.6E2	0.297
5615	8099	Sisma X SLO	9.8	0	0	0	1.6E2	0.297	5616	8099	Sisma Y SLO	0	9.8	0	0	1.6E2	0.297
5617	8099	Sisma X SLD	8.2	0	0	0	1.6E2	0.297	5618	8099	Sisma Y SLD	0	8.2	0	0	1.6E2	0.297
5619	8100	Sisma X SLV	19.3	0	0	0	1.6E2	0.297	5620	8100	Sisma Y SLV	0	19.3	0	0	1.6E2	0.297
5621	8100	Sisma X SLO	10.3	0	0	0	1.6E2	0.297	5622	8100	Sisma Y SLO	0	10.3	0	0	1.6E2	0.297
5623	8100	Sisma X SLD	8.5	0	0	0	1.6E2	0.297	5624	8100	Sisma Y SLD	0	8.5	0	0	1.6E2	0.297
5625	8101	Sisma X SLV	23	0	0	0	1.9E2	0.297	5626	8101	Sisma Y SLV	0	23	0	0	1.9E2	0.297
5627	8101	Sisma X SLO	12.3	0	0	0	1.9E2	0.297	5628	8101	Sisma Y SLO	0	12.3	0	0	1.9E2	0.297
5629	8101	Sisma X SLD	10.2	0	0	0	1.9E2	0.297	5630	8101	Sisma Y SLD	0	10.2	0	0	1.9E2	0.297
5631	8102	Sisma X SLV	13.3	0	0	0	1.1E2	0.297	5632	8102	Sisma Y SLV	0	13.3	0	0	1.1E2	0.297
5633	8102	Sisma X SLO	7.1	0	0	0	1.1E2	0.297	5634	8102	Sisma Y SLO	0	7.1	0	0	1.1E2	0.297
5635	8102	Sisma X SLD	5.9	0	0	0	1.1E2	0.297	5636	8102	Sisma Y SLD	0	5.9	0	0	1.1E2	0.297
5637	8103	Sisma X SLV	9.3	0	0	0	7.9E1	0.297	5638	8103	Sisma Y SLV	0	9.3	0	0	7.9E1	0.297
5639	8103	Sisma X SLO	5	0	0	0	7.9E1	0.297	5640	8103	Sisma Y SLO	0	5	0	0	7.9E1	0.297
5641	8103	Sisma X SLD	4.1	0	0	0	7.9E1	0.297	5642	8103	Sisma Y SLD	0	4.1	0	0	7.9E1	0.297
5643	8104	Sisma X SLV	20.1	0	0	0	1.7E2	0.297	5644	8104	Sisma Y SLV	0	20.1	0	0	1.7E2	0.297
5645	8104	Sisma X SLO	10.7	0	0	0	1.7E2	0.297	5646	8104	Sisma Y SLO	0	10.7	0	0	1.7E2	0.297
5647	8104	Sisma X SLD	8.9	0	0	0	1.7E2	0.297	5648	8104	Sisma Y SLD	0	8.9	0	0	1.7E2	0.297
5649	8105	Sisma X SLV	12.4	0	0	0	1.0E2	0.297	5650	8105	Sisma Y SLV	0	12.4	0	0	1.0E2	0.297
5651	8105	Sisma X SLO	6.6	0	0	0	1.0E2	0.297	5652	8105	Sisma Y SLO	0	6.6	0	0	1.0E2	0.297
5653	8105	Sisma X SLD	5.5	0	0	0	1.0E2	0.297	5654	8105	Sisma Y SLD	0	5.5	0	0	1.0E2	0.297
5655	8106	Sisma X SLV	6.2	0	0	0	5.2E1	0.297	5656	8106	Sisma Y SLV	0	6.2	0	0	5.2E1	0.297
5657	8106	Sisma X SLO	3.3	0	0	0	5.2E1	0.297	5658	8106	Sisma Y SLO	0	3.3	0	0	5.2E1	0.297
5659	8106	Sisma X SLD	2.8	0	0	0	5.2E1	0.297	5660	8106	Sisma Y SLD	0	2.8	0	0	5.2E1	0.297
5661	8107	Sisma X SLV	8.5	0	0	0	7.2E1	0.297	5662	8107	Sisma Y SLV	0	8.5	0	0	7.2E1	0.297
5663	8107	Sisma X SLO	4.5	0	0	0	7.2E1	0.297	5664	8107	Sisma Y SLO	0	4.5	0	0	7.2E1	0.297
5665	8107	Sisma X SLD	3.8	0	0	0	7.2E1	0.297	5666	8107	Sisma Y SLD	0	3.8	0	0	7.2E1	0.297
5667	8108	Sisma X SLV	8.3	0	0	0	7.0E1	0.297	5668	8108	Sisma Y SLV	0	8.3	0	0	7.0E1	0.297
5669	8108	Sisma X SLO	4.4	0	0	0	7.0E1	0.297	5670	8108	Sisma Y SLO	0	4.4	0	0	7.0E1	0.297
5671	8108	Sisma X SLD	3.7	0	0	0	7.0E1	0.297	5672	8108	Sisma Y SLD	0	3.7	0	0	7.0E1	0.297
5673	8109	Sisma X SLV	6.1	0	0	0	5.1E1	0.297	5674	8109	Sisma Y SLV	0	6.1	0	0	5.1E1	0.297
5675	8109	Sisma X SLO	3.2	0	0	0	5.1E1	0.297	5676	8109	Sisma Y SLO	0	3.2	0	0	5.1E1	0.297
5677	8109	Sisma X SLD	2.7	0	0	0	5.1E1	0.297	5678	8109	Sisma Y SLD	0	2.7	0	0	5.1E1	0.297
5679	8110	Sisma X SLV	5.9	0	0	0	5.0E1	0.297	5680	8110	Sisma Y SLV	0	5.9	0	0	5.0E1	0.297
5681	8110	Sisma X SLO	3.1	0	0	0	5.0E1	0.297	5682	8110	Sisma Y SLO	0	3.1	0	0	5.0E1	0.297
5683	8110	Sisma X SLD	2.6	0	0	0	5.0E1	0.297	5684	8110	Sisma Y SLD	0	2.6	0	0	5.0E1	0.297
5685	8111	Sisma X SLV	8.2	0	0	0	6.9E1	0.297	5686	8111	Sisma Y SLV	0	8.2	0	0	6.9E1	0.297
5687	8111	Sisma X SLO	4.4	0	0	0	6.9E1	0.297	5688	8111	Sisma Y SLO	0	4.4	0	0	6.9E1	0.297
5689	8111	Sisma X SLD	3.6	0	0	0	6.9E1	0.297	5690	8111	Sisma Y SLD	0	3.6	0	0	6.9E1	0.297
5691	8112	Sisma X SLV	8.3	0	0	0	7.0E1	0.297	5692	8112	Sisma Y SLV	0	8.3	0	0	7.0E1	0.297
5693	8112	Sisma X SLO	4.4	0	0	0	7.0E1	0.297	5694	8112	Sisma Y SLO	0	4.4	0	0	7.0E1	0.297
5695	8112	Sisma X SLD	3.7	0	0	0	7.0E1	0.297	5696	8112	Sisma Y SLD	0	3.7	0	0	7.0E1	0.297
5697	8113	Sisma X SLV	7.7	0	0	0	6.5E1	0.297	5698	8113	Sisma Y SLV	0	7.7	0	0	6.5E1	0.297
5699	8113	Sisma X SLO	4.1	0	0	0	6.5E1	0.297	5700	8113	Sisma Y SLO	0	4.1	0	0	6.5E1	0.297
5701	8113	Sisma X SLD	3.4	0	0	0	6.5E1	0.297	5702	8113	Sisma Y SLD	0	3.4	0	0	6.5E1	0.297
5703	8114	Sisma X SLV	9	0	0	0	7.6E1	0.297	5704	8114	Sisma Y SLV	0	9	0	0	7.6E1	0.297
5705	8114	Sisma X SLO	4.8	0	0	0	7.6E1	0.297	5706	8114	Sisma Y SLO	0	4.8	0	0	7.6E1	0.297
5707	8114	Sisma X SLD	4	0	0	0	7.6E1	0.297	5708	8114	Sisma Y SLD	0	4	0	0	7.6E1	0.297
5709	8115	Sisma X SLV	6.1	0	0	0	5.1E1	0.297	5710	8115	Sisma Y SLV	0	6.1	0	0	5.1E1	0.297
5711	8115	Sisma X SLO	3.2	0	0	0	5.1E1	0.297	5712	8115	Sisma Y SLO	0	3.2	0	0	5.1E1	0.297

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
5713	8115	Sisma X SLD	2.7	0	0	0	5.1E1	0.297	5714	8115	Sisma Y SLD	0	2.7	0	0	5.1E1	0.297
5715	8116	Sisma X SLV	5.9	0	0	0	5.0E1	0.297	5716	8116	Sisma Y SLV	0	5.9	0	0	5.0E1	0.297
5717	8116	Sisma X SLO	3.1	0	0	0	5.0E1	0.297	5718	8116	Sisma Y SLO	0	3.1	0	0	5.0E1	0.297
5719	8116	Sisma X SLD	2.6	0	0	0	5.0E1	0.297	5720	8116	Sisma Y SLD	0	2.6	0	0	5.0E1	0.297
5721	8117	Sisma X SLV	8	0	0	0	6.7E1	0.297	5722	8117	Sisma Y SLV	0	8	0	0	6.7E1	0.297
5723	8117	Sisma X SLO	4.3	0	0	0	6.7E1	0.297	5724	8117	Sisma Y SLO	0	4.3	0	0	6.7E1	0.297
5725	8117	Sisma X SLD	3.5	0	0	0	6.7E1	0.297	5726	8117	Sisma Y SLD	0	3.5	0	0	6.7E1	0.297
5727	8118	Sisma X SLV	7.7	0	0	0	6.5E1	0.297	5728	8118	Sisma Y SLV	0	7.7	0	0	6.5E1	0.297
5729	8118	Sisma X SLO	4.1	0	0	0	6.5E1	0.297	5730	8118	Sisma Y SLO	0	4.1	0	0	6.5E1	0.297
5731	8118	Sisma X SLD	3.4	0	0	0	6.5E1	0.297	5732	8118	Sisma Y SLD	0	3.4	0	0	6.5E1	0.297
5733	8119	Sisma X SLV	5.8	0	0	0	4.9E1	0.297	5734	8119	Sisma Y SLV	0	5.8	0	0	4.9E1	0.297
5735	8119	Sisma X SLO	3.1	0	0	0	4.9E1	0.297	5736	8119	Sisma Y SLO	0	3.1	0	0	4.9E1	0.297
5737	8119	Sisma X SLD	2.6	0	0	0	4.9E1	0.297	5738	8119	Sisma Y SLD	0	2.6	0	0	4.9E1	0.297
5739	8120	Sisma X SLV	6.3	0	0	0	5.3E1	0.297	5740	8120	Sisma Y SLV	0	6.3	0	0	5.3E1	0.297
5741	8120	Sisma X SLO	3.3	0	0	0	5.3E1	0.297	5742	8120	Sisma Y SLO	0	3.3	0	0	5.3E1	0.297
5743	8120	Sisma X SLD	2.8	0	0	0	5.3E1	0.297	5744	8120	Sisma Y SLD	0	2.8	0	0	5.3E1	0.297
5745	8121	Sisma X SLV	12.2	0	0	0	1.0E2	0.297	5746	8121	Sisma Y SLV	0	12.2	0	0	1.0E2	0.297
5747	8121	Sisma X SLO	6.5	0	0	0	1.0E2	0.297	5748	8121	Sisma Y SLO	0	6.5	0	0	1.0E2	0.297
5749	8121	Sisma X SLD	5.4	0	0	0	1.0E2	0.297	5750	8121	Sisma Y SLD	0	5.4	0	0	1.0E2	0.297
5751	8122	Sisma X SLV	8.7	0	0	0	73.61	0.297	5752	8122	Sisma Y SLV	0	8.7	0	0	73.61	0.297
5753	8122	Sisma X SLO	4.7	0	0	0	73.61	0.297	5754	8122	Sisma Y SLO	0	4.7	0	0	73.61	0.297
5755	8122	Sisma X SLD	3.9	0	0	0	73.61	0.297	5756	8122	Sisma Y SLD	0	3.9	0	0	73.61	0.297
5757	8123	Sisma X SLV	5.6	0	0	0	4.7E1	0.297	5758	8123	Sisma Y SLV	0	5.6	0	0	4.7E1	0.297
5759	8123	Sisma X SLO	3	0	0	0	4.7E1	0.297	5760	8123	Sisma Y SLO	0	3	0	0	4.7E1	0.297
5761	8123	Sisma X SLD	2.5	0	0	0	4.7E1	0.297	5762	8123	Sisma Y SLD	0	2.5	0	0	4.7E1	0.297
5763	8124	Sisma X SLV	5.8	0	0	0	4.9E1	0.297	5764	8124	Sisma Y SLV	0	5.8	0	0	4.9E1	0.297
5765	8124	Sisma X SLO	3.1	0	0	0	4.9E1	0.297	5766	8124	Sisma Y SLO	0	3.1	0	0	4.9E1	0.297
5767	8124	Sisma X SLD	2.6	0	0	0	4.9E1	0.297	5768	8124	Sisma Y SLD	0	2.6	0	0	4.9E1	0.297
5769	8125	Sisma X SLV	6.6	0	0	0	5.6E1	0.297	5770	8125	Sisma Y SLV	0	6.6	0	0	5.6E1	0.297
5771	8125	Sisma X SLO	3.5	0	0	0	5.6E1	0.297	5772	8125	Sisma Y SLO	0	3.5	0	0	5.6E1	0.297
5773	8125	Sisma X SLD	2.9	0	0	0	5.6E1	0.297	5774	8125	Sisma Y SLD	0	2.9	0	0	5.6E1	0.297
5775	8126	Sisma X SLV	6.9	0	0	0	5.8E1	0.297	5776	8126	Sisma Y SLV	0	6.9	0	0	5.8E1	0.297
5777	8126	Sisma X SLO	3.7	0	0	0	5.8E1	0.297	5778	8126	Sisma Y SLO	0	3.7	0	0	5.8E1	0.297
5779	8126	Sisma X SLD	3	0	0	0	5.8E1	0.297	5780	8126	Sisma Y SLD	0	3	0	0	5.8E1	0.297
5781	8127	Sisma X SLV	8.3	0	0	0	69.78	0.297	5782	8127	Sisma Y SLV	0	8.3	0	0	69.78	0.297
5783	8127	Sisma X SLO	4.4	0	0	0	69.78	0.297	5784	8127	Sisma Y SLO	0	4.4	0	0	69.78	0.297
5785	8127	Sisma X SLD	3.7	0	0	0	69.78	0.297	5786	8127	Sisma Y SLD	0	3.7	0	0	69.78	0.297
5787	8128	Sisma X SLV	8.3	0	0	0	7.0E1	0.297	5788	8128	Sisma Y SLV	0	8.3	0	0	7.0E1	0.297
5789	8128	Sisma X SLO	4.4	0	0	0	7.0E1	0.297	5790	8128	Sisma Y SLO	0	4.4	0	0	7.0E1	0.297
5791	8128	Sisma X SLD	3.7	0	0	0	7.0E1	0.297	5792	8128	Sisma Y SLD	0	3.7	0	0	7.0E1	0.297
5793	8129	Sisma X SLV	5.7	0	0	0	4.8E1	0.297	5794	8129	Sisma Y SLV	0	5.7	0	0	4.8E1	0.297
5795	8129	Sisma X SLO	3	0	0	0	4.8E1	0.297	5796	8129	Sisma Y SLO	0	3	0	0	4.8E1	0.297
5797	8129	Sisma X SLD	2.5	0	0	0	4.8E1	0.297	5798	8129	Sisma Y SLD	0	2.5	0	0	4.8E1	0.297
5799	8130	Sisma X SLV	5.8	0	0	0	4.9E1	0.297	5800	8130	Sisma Y SLV	0	5.8	0	0	4.9E1	0.297
5801	8130	Sisma X SLO	3.1	0	0	0	4.9E1	0.297	5802	8130	Sisma Y SLO	0	3.1	0	0	4.9E1	0.297
5803	8130	Sisma X SLD	2.6	0	0	0	4.9E1	0.297	5804	8130	Sisma Y SLD	0	2.6	0	0	4.9E1	0.297
5805	8131	Sisma X SLV	6.2	0	0	0	5.2E1	0.297	5806	8131	Sisma Y SLV	0	6.2	0	0	5.2E1	0.297
5807	8131	Sisma X SLO	3.3	0	0	0	5.2E1	0.297	5808	8131	Sisma Y SLO	0	3.3	0	0	5.2E1	0.297
5809	8131	Sisma X SLD	2.7	0	0	0	5.2E1	0.297	5810	8131	Sisma Y SLD	0	2.7	0	0	5.2E1	0.297
5811	8132	Sisma X SLV	6.7	0	0	0	5.6E1	0.297	5812	8132	Sisma Y SLV	0	6.7	0	0	5.6E1	0.297
5813	8132	Sisma X SLO	3.5	0	0	0	5.6E1	0.297	5814	8132	Sisma Y SLO	0	3.5	0	0	5.6E1	0.297
5815	8132	Sisma X SLD	2.9	0	0	0	5.6E1	0.297	5816	8132	Sisma Y SLD	0	2.9	0	0	5.6E1	0.297
5817	8133	Sisma X SLV	8.8	0	0	0	7.4E1	0.297	5818	8133	Sisma Y SLV	0	8.8	0	0	7.4E1	0.297
5819	8133	Sisma X SLO	4.7	0	0	0	7.4E1	0.297	5820	8133	Sisma Y SLO	0	4.7	0	0	7.4E1	0.297
5821	8133	Sisma X SLD	3.9	0	0	0	7.4E1	0.297	5822	8133	Sisma Y SLD	0	3.9	0	0	7.4E1	0.297
5823	8134	Sisma X SLV	9	0	0	0	7.6E1	0.297	5824	8134	Sisma Y SLV	0	9	0	0	7.6E1	0.297
5825	8134	Sisma X SLO	4.8	0	0	0	7.6E1	0.297	5826	8134	Sisma Y SLO	0	4.8	0	0	7.6E1	0.297
5827	8134	Sisma X SLD	4	0	0	0	7.6E1	0.297	5828	8134	Sisma Y SLD	0	4	0	0	7.6E1	0.297
5829	8135	Sisma X SLV	6.3	0	0	0	53.26	0.297	5830	8135	Sisma Y SLV	0	6.3	0	0	53.26	0.297
5831	8135	Sisma X SLO	3.4	0	0	0	53.26	0.297	5832	8135	Sisma Y SLO	0	3.4	0	0	53.26	0.297
5833	8135	Sisma X SLD	2.8	0	0	0	53.26	0.297	5834	8135	Sisma Y SLD	0	2.8	0	0	53.26	0.297
5835	8136	Sisma X SLV	6.6	0	0	0	55.61	0.297	5836	8136	Sisma Y SLV	0	6.6	0	0	55.61	0.297
5837	8136	Sisma X SLO	3.5	0	0	0	55.61	0.297	5838	8136	Sisma Y SLO	0	3.5	0	0	55.61	0.297
5839	8136	Sisma X SLD	2.9	0	0	0	55.61	0.297	5840	8136	Sisma Y SLD	0	2.9	0	0	55.61	0.297
5841	8137	Sisma X SLV	7.7	0	0	0	6.5E1	0.297	5842	8137	Sisma Y SLV	0	7.7	0	0	6.5E1	0.297
5843	8137	Sisma X SLO	4.1	0	0	0	6.5E1	0.297	5844	8137	Sisma Y SLO	0	4.1	0	0	6.5E1	0.297
5845	8137	Sisma X SLD	3.4	0	0	0	6.5E1	0.297	5846	8137	Sisma Y SLD	0	3.4	0	0	6.5E1	0.297
5847	8138	Sisma X SLV	9.1	0	0	0	7.6E1	0.297	5848	8138	Sisma Y SLV	0	9.1	0	0	7.6E1	0.297
5849	8138	Sisma X SLO	4.8	0	0	0	7.6E1	0.297	5850	8138	Sisma Y SLO	0	4.8	0	0	7.6E1	0.297
5851	8138	Sisma X SLD	4	0	0	0	7.6E1	0.297	5852	8138	Sisma Y SLD	0	4	0	0	7.6E1	0.297
5853	8139	Sisma X SLV	5.8	0	0	0	4.9E1	0.297	5854	8139	Sisma Y SLV	0	5.8	0	0	4.9E1	0.297
5855	8139	Sisma X SLO	3.1	0	0	0	4.9E1	0.297	5856	8139	Sisma Y SLO	0	3.1	0	0	4.9E1	0.297
5857	8139	Sisma X SLD	2.6	0	0	0	4.9E1	0.297	5858	8139	Sisma Y SLD	0	2.6	0	0	4.9E1	0.297
5859	8140	Sisma X SLV	17.1	0	0	0	1.4E2	0.297	5860	8140	Sisma Y SLV	0	17.1	0	0	1.4E2	0.297
5861	8140	Sisma X SLO	9.1	0	0	0	1.4E2	0.297	5862	8140	Sisma Y SLO	0	9.1	0	0	1.4E2	0.297
5863	8140	Sisma X SLD	7.6	0	0	0	1.4E2	0.297	5864	8140	Sisma Y SLD	0	7.6	0	0	1.4E2	0.297
5865	8141	Sisma X SLV	16.6	0	0	0	1.4E2	0.297	5866	8141	Sisma Y SLV	0	16.6	0	0	1.4E2	0.297
5867	8141	Sisma X SLO	8.8	0	0	0	1.4E2	0.297	5868	8141	Sisma Y SLO	0	8.8	0	0	1.4E2	0.297
5869	8141	Sisma X SLD	7.3	0	0	0	1.4E2	0.297	5870	8141	Sisma Y SLD	0	7.3	0	0	1.4E2	0.297
5871	8142	Sisma X SLV	23.5	0	0	0	2.0E2	0.297	5872	8142	Sisma Y SLV	0	23.5	0	0	2.0E2	0.297
5873	8142	Sisma X SLO	12.5	0	0	0	2.0E2	0.297	5874	8142	Sisma Y SLO	0	12.5	0	0	2.0E2	0.297
5875	8142	Sisma X SLD	10.4	0	0	0	2.0E2	0.297	5876	8142	Sisma Y SLD	0	10.4	0	0	2.0E2	0.297
5877	8143	Sisma X SLV	12.6	0	0	0	1.1E2	0.297	5878	8143	Sisma Y SLV	0	12.6	0	0	1.1E2	0.297
5879	8143	Sisma X SLO	6.7	0	0	0	1.1E2	0.297	5880	8143	Sisma Y SLO	0	6.7	0	0	1.1E2	0.297
5881	8143	Sisma X SLD	5.6	0	0	0	1.1E2	0.297	5882	8143	Sisma Y SLD	0	5.6	0	0	1.1E2	0.297
5883	8144	Sisma X SLV	12.4	0	0	0	1.0E2	0.297	5884	8144	Sisma Y SLV	0	12.4	0	0	1.0E2	0.297
5885	8144	Sisma X SLO	6.6	0	0	0	1.0E2	0.297	5886	8144	Sisma Y SLO	0	6.6	0	0	1.0E2	0.297
5887	8144	Sisma X SLD	5.5	0	0	0	1.0E2	0.297	5888	8144	Sisma Y SLD	0	5.5	0	0	1.0E2	0.297
5889	8145	Sisma X SLV	12.7	0	0	0	1.1E2	0.298	5890	8145	Sisma Y SLV	0	12.7	0	0	1.1E2	0.298
5891	8145	Sisma X SLO	6.8	0	0	0	1.1E2	0.298	5892	8145	Sisma Y SLO	0	6.8	0	0	1.1E2	0.298
5893	8145	Sisma X SLD	5.6	0	0	0	1.1E2	0.298	5894	8145	Sisma Y SLD	0	5.6	0	0	1.1E2	0.298
5895	8146	Sisma X SLV	27.7	0	0	0	2.3E2	0.298	5896	8146	Sisma Y SLV	0	27.7	0	0	2.3E2	0.298
5897	8146	Sisma X SLO	14.8	0	0	0	2.3E2	0.298	5898	8146	Sisma Y SLO	0	14.8	0	0	2.3E2	0.298
5899	8146	Sisma X SLD	12.3	0	0	0	2.3E2	0.298	5900	8146	Sisma Y SLD	0	12.3	0	0	2.3E2	0.298
5901	8147	Sisma X SLV	18.6	0	0	0	1.6E2	0.298	5902	8147	Sisma Y SLV	0	18.6	0	0	1.6E2	0.298
5903	8147	Sisma X SLO	9.9	0	0	0	1.6E2	0.298	5904	8147	Sisma Y SLO	0	9.9	0	0	1.6E2	0.298
5905	8147	Sisma X SLD	8.3	0	0	0	1.6E2	0.298	5906	8147	Sisma Y SLD	0	8.3	0	0	1.6E2	0.298
5907	8148	Sisma X SLV	16.1	0	0	0	1.3E2	0.299	5908	8148	Sisma Y SLV	0	16.1	0	0	1.3E2	0.299
5909	8148	Sisma X SLO	8.6	0	0	0	1.3E2	0.299	5910	8148	Sisma Y SLO	0	8.6	0	0	1.3E2	0.299
5911	8148	Sisma X SLD	7.1	0	0	0	1.3E2	0.299	5912	8148	Sisma Y SLD	0	7.1	0	0	1.3E2	0.299

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
5913	8149	Sisma X SLV	17.1	0	0	0	1.4E2	0.299	5914	8149	Sisma Y SLV	0	17.1	0	0	1.4E2	0.299
5915	8149	Sisma X SLO	9.1	0	0	0	1.4E2	0.299	5916	8149	Sisma Y SLO	0	9.1	0	0	1.4E2	0.299
5917	8149	Sisma X SLD	7.6	0	0	0	1.4E2	0.299	5918	8149	Sisma Y SLD	0	7.6	0	0	1.4E2	0.299
5919	8150	Sisma X SLV	13.4	0	0	0	1.1E2	0.3	5920	8150	Sisma Y SLV	0	13.4	0	0	1.1E2	0.3
5921	8150	Sisma X SLO	7.1	0	0	0	1.1E2	0.3	5922	8150	Sisma Y SLO	0	7.1	0	0	1.1E2	0.3
5923	8150	Sisma X SLD	5.9	0	0	0	1.1E2	0.3	5924	8150	Sisma Y SLD	0	5.9	0	0	1.1E2	0.3
5925	8151	Sisma X SLV	27.5	0	0	0	2.3E2	0.3	5926	8151	Sisma Y SLV	0	27.5	0	0	2.3E2	0.3
5927	8151	Sisma X SLO	14.6	0	0	0	2.3E2	0.3	5928	8151	Sisma Y SLO	0	14.6	0	0	2.3E2	0.3
5929	8151	Sisma X SLD	12.1	0	0	0	2.3E2	0.3	5930	8151	Sisma Y SLD	0	12.1	0	0	2.3E2	0.3
5931	8152	Sisma X SLV	18.6	0	0	0	1.5E2	0.3	5932	8152	Sisma Y SLV	0	18.6	0	0	1.5E2	0.3
5933	8152	Sisma X SLO	9.9	0	0	0	1.5E2	0.3	5934	8152	Sisma Y SLO	0	9.9	0	0	1.5E2	0.3
5935	8152	Sisma X SLD	8.2	0	0	0	1.5E2	0.3	5936	8152	Sisma Y SLD	0	8.2	0	0	1.5E2	0.3
5937	8153	Sisma X SLV	24.6	0	0	0	2.1E2	0.3	5938	8153	Sisma Y SLV	0	24.6	0	0	2.1E2	0.3
5939	8153	Sisma X SLO	13.1	0	0	0	2.1E2	0.3	5940	8153	Sisma Y SLO	0	13.1	0	0	2.1E2	0.3
5941	8153	Sisma X SLD	10.9	0	0	0	2.1E2	0.3	5942	8153	Sisma Y SLD	0	10.9	0	0	2.1E2	0.3
5943	8154	Sisma X SLV	17.8	0	0	0	1.5E2	0.301	5944	8154	Sisma Y SLV	0	17.8	0	0	1.5E2	0.301
5945	8154	Sisma X SLO	9.5	0	0	0	1.5E2	0.301	5946	8154	Sisma Y SLO	0	9.5	0	0	1.5E2	0.301
5947	8154	Sisma X SLD	7.9	0	0	0	1.5E2	0.301	5948	8154	Sisma Y SLD	0	7.9	0	0	1.5E2	0.301
5949	8155	Sisma X SLV	27.2	0	0	0	2.3E2	0.301	5950	8155	Sisma Y SLV	0	27.2	0	0	2.3E2	0.301
5951	8155	Sisma X SLO	14.5	0	0	0	2.3E2	0.301	5952	8155	Sisma Y SLO	0	14.5	0	0	2.3E2	0.301
5953	8155	Sisma X SLD	12	0	0	0	2.3E2	0.301	5954	8155	Sisma Y SLD	0	12	0	0	2.3E2	0.301
5955	8156	Sisma X SLV	18.7	0	0	0	1.6E2	0.301	5956	8156	Sisma Y SLV	0	18.7	0	0	1.6E2	0.301
5957	8156	Sisma X SLO	10	0	0	0	1.6E2	0.301	5958	8156	Sisma Y SLO	0	10	0	0	1.6E2	0.301
5959	8156	Sisma X SLD	8.3	0	0	0	1.6E2	0.301	5960	8156	Sisma Y SLD	0	8.3	0	0	1.6E2	0.301
5961	8157	Sisma X SLV	18.5	0	0	0	1.5E2	0.301	5962	8157	Sisma Y SLV	0	18.5	0	0	1.5E2	0.301
5963	8157	Sisma X SLO	9.9	0	0	0	1.5E2	0.301	5964	8157	Sisma Y SLO	0	9.9	0	0	1.5E2	0.301
5965	8157	Sisma X SLD	8.2	0	0	0	1.5E2	0.301	5966	8157	Sisma Y SLD	0	8.2	0	0	1.5E2	0.301
5967	8158	Sisma X SLV	18	0	0	0	1.5E2	0.302	5968	8158	Sisma Y SLV	0	18	0	0	1.5E2	0.302
5969	8158	Sisma X SLO	9.6	0	0	0	1.5E2	0.302	5970	8158	Sisma Y SLO	0	9.6	0	0	1.5E2	0.302
5971	8158	Sisma X SLD	8	0	0	0	1.5E2	0.302	5972	8158	Sisma Y SLD	0	8	0	0	1.5E2	0.302
5973	8159	Sisma X SLV	27.1	0	0	0	2.2E2	0.302	5974	8159	Sisma Y SLV	0	27.1	0	0	2.2E2	0.302
5975	8159	Sisma X SLO	14.4	0	0	0	2.2E2	0.302	5976	8159	Sisma Y SLO	0	14.4	0	0	2.2E2	0.302
5977	8159	Sisma X SLD	12	0	0	0	2.2E2	0.302	5978	8159	Sisma Y SLD	0	12	0	0	2.2E2	0.302
5979	8160	Sisma X SLV	18.4	0	0	0	1.5E2	0.302	5980	8160	Sisma Y SLV	0	18.4	0	0	1.5E2	0.302
5981	8160	Sisma X SLO	9.8	0	0	0	1.5E2	0.302	5982	8160	Sisma Y SLO	0	9.8	0	0	1.5E2	0.302
5983	8160	Sisma X SLD	8.2	0	0	0	1.5E2	0.302	5984	8160	Sisma Y SLD	0	8.2	0	0	1.5E2	0.302
5985	8161	Sisma X SLV	16.2	0	0	0	1.3E2	0.303	5986	8161	Sisma Y SLV	0	16.2	0	0	1.3E2	0.303
5987	8161	Sisma X SLO	8.6	0	0	0	1.3E2	0.303	5988	8161	Sisma Y SLO	0	8.6	0	0	1.3E2	0.303
5989	8161	Sisma X SLD	7.1	0	0	0	1.3E2	0.303	5990	8161	Sisma Y SLD	0	7.1	0	0	1.3E2	0.303
5991	8162	Sisma X SLV	24	0	0	0	2.0E2	0.304	5992	8162	Sisma Y SLV	0	24	0	0	2.0E2	0.304
5993	8162	Sisma X SLO	12.8	0	0	0	2.0E2	0.304	5994	8162	Sisma Y SLO	0	12.8	0	0	2.0E2	0.304
5995	8162	Sisma X SLD	10.6	0	0	0	2.0E2	0.304	5996	8162	Sisma Y SLD	0	10.6	0	0	2.0E2	0.304
5997	8163	Sisma X SLV	22.8	0	0	0	1.9E2	0.304	5998	8163	Sisma Y SLV	0	22.8	0	0	1.9E2	0.304
5999	8163	Sisma X SLO	12.1	0	0	0	1.9E2	0.304	6000	8163	Sisma Y SLO	0	12.1	0	0	1.9E2	0.304
6001	8163	Sisma X SLD	10.1	0	0	0	1.9E2	0.304	6002	8163	Sisma Y SLD	0	10.1	0	0	1.9E2	0.304
6003	8164	Sisma X SLV	21.3	0	0	0	1.8E2	0.304	6004	8164	Sisma Y SLV	0	21.3	0	0	1.8E2	0.304
6005	8164	Sisma X SLO	11.3	0	0	0	1.8E2	0.304	6006	8164	Sisma Y SLO	0	11.3	0	0	1.8E2	0.304
6007	8164	Sisma X SLD	9.4	0	0	0	1.8E2	0.304	6008	8164	Sisma Y SLD	0	9.4	0	0	1.8E2	0.304
6009	8165	Sisma X SLV	16.1	0	0	0	1.3E2	0.304	6010	8165	Sisma Y SLV	0	16.1	0	0	1.3E2	0.304
6011	8165	Sisma X SLO	8.6	0	0	0	1.3E2	0.304	6012	8165	Sisma Y SLO	0	8.6	0	0	1.3E2	0.304
6013	8165	Sisma X SLD	7.1	0	0	0	1.3E2	0.304	6014	8165	Sisma Y SLD	0	7.1	0	0	1.3E2	0.304
6015	8166	Sisma X SLV	24	0	0	0	2.0E2	0.304	6016	8166	Sisma Y SLV	0	24	0	0	2.0E2	0.304
6017	8166	Sisma X SLO	12.8	0	0	0	2.0E2	0.304	6018	8166	Sisma Y SLO	0	12.8	0	0	2.0E2	0.304
6019	8166	Sisma X SLD	10.6	0	0	0	2.0E2	0.304	6020	8166	Sisma Y SLD	0	10.6	0	0	2.0E2	0.304
6021	8167	Sisma X SLV	8.5	0	0	0	7.0E1	0.304	6022	8167	Sisma Y SLV	0	8.5	0	0	7.0E1	0.304
6023	8167	Sisma X SLO	4.5	0	0	0	7.0E1	0.304	6024	8167	Sisma Y SLO	0	4.5	0	0	7.0E1	0.304
6025	8167	Sisma X SLD	3.8	0	0	0	7.0E1	0.304	6026	8167	Sisma Y SLD	0	3.8	0	0	7.0E1	0.304
6027	8168	Sisma X SLV	10.5	0	0	0	8.6E1	0.304	6028	8168	Sisma Y SLV	0	10.5	0	0	8.6E1	0.304
6029	8168	Sisma X SLO	5.6	0	0	0	8.6E1	0.304	6030	8168	Sisma Y SLO	0	5.6	0	0	8.6E1	0.304
6031	8168	Sisma X SLD	4.6	0	0	0	8.6E1	0.304	6032	8168	Sisma Y SLD	0	4.6	0	0	8.6E1	0.304
6033	8169	Sisma X SLV	22.2	0	0	0	1.8E2	0.304	6034	8169	Sisma Y SLV	0	22.2	0	0	1.8E2	0.304
6035	8169	Sisma X SLO	11.8	0	0	0	1.8E2	0.304	6036	8169	Sisma Y SLO	0	11.8	0	0	1.8E2	0.304
6037	8169	Sisma X SLD	9.8	0	0	0	1.8E2	0.304	6038	8169	Sisma Y SLD	0	9.8	0	0	1.8E2	0.304
6039	8170	Sisma X SLV	19.7	0	0	0	1.6E2	0.304	6040	8170	Sisma Y SLV	0	19.7	0	0	1.6E2	0.304
6041	8170	Sisma X SLO	10.5	0	0	0	1.6E2	0.304	6042	8170	Sisma Y SLO	0	10.5	0	0	1.6E2	0.304
6043	8170	Sisma X SLD	8.7	0	0	0	1.6E2	0.304	6044	8170	Sisma Y SLD	0	8.7	0	0	1.6E2	0.304
6045	8171	Sisma X SLV	20.4	0	0	0	1.7E2	0.304	6046	8171	Sisma Y SLV	0	20.4	0	0	1.7E2	0.304
6047	8171	Sisma X SLO	10.9	0	0	0	1.7E2	0.304	6048	8171	Sisma Y SLO	0	10.9	0	0	1.7E2	0.304
6049	8171	Sisma X SLD	9	0	0	0	1.7E2	0.304	6050	8171	Sisma Y SLD	0	9	0	0	1.7E2	0.304
6051	8172	Sisma X SLV	17	0	0	0	1.4E2	0.304	6052	8172	Sisma Y SLV	0	17	0	0	1.4E2	0.304
6053	8172	Sisma X SLO	9	0	0	0	1.4E2	0.304	6054	8172	Sisma Y SLO	0	9	0	0	1.4E2	0.304
6055	8172	Sisma X SLD	7.5	0	0	0	1.4E2	0.304	6056	8172	Sisma Y SLD	0	7.5	0	0	1.4E2	0.304
6057	8173	Sisma X SLV	19.7	0	0	0	1.6E2	0.304	6058	8173	Sisma Y SLV	0	19.7	0	0	1.6E2	0.304
6059	8173	Sisma X SLO	10.5	0	0	0	1.6E2	0.304	6060	8173	Sisma Y SLO	0	10.5	0	0	1.6E2	0.304
6061	8173	Sisma X SLD	8.7	0	0	0	1.6E2	0.304	6062	8173	Sisma Y SLD	0	8.7	0	0	1.6E2	0.304
6063	8174	Sisma X SLV	20.5	0	0	0	1.7E2	0.304	6064	8174	Sisma Y SLV	0	20.5	0	0	1.7E2	0.304
6065	8174	Sisma X SLO	10.9	0	0	0	1.7E2	0.304	6066	8174	Sisma Y SLO	0	10.9	0	0	1.7E2	0.304
6067	8174	Sisma X SLD	9.1	0	0	0	1.7E2	0.304	6068	8174	Sisma Y SLD	0	9.1	0	0	1.7E2	0.304
6069	8175	Sisma X SLV	18	0	0	0	1.5E2	0.304	6070	8175	Sisma Y SLV	0	18	0	0	1.5E2	0.304
6071	8175	Sisma X SLO	9.6	0	0	0	1.5E2	0.304	6072	8175	Sisma Y SLO	0	9.6	0	0	1.5E2	0.304
6073	8175	Sisma X SLD	8	0	0	0	1.5E2	0.304	6074	8175	Sisma Y SLD	0	8	0	0	1.5E2	0.304
6075	8176	Sisma X SLV	19.6	0	0	0	1.6E2	0.304	6076	8176	Sisma Y SLV	0	19.6	0	0	1.6E2	0.304
6077	8176	Sisma X SLO	10.4	0	0	0	1.6E2	0.304	6078	8176	Sisma Y SLO	0	10.4	0	0	1.6E2	0.304
6079	8176	Sisma X SLD	8.7	0	0	0	1.6E2	0.304	6080	8176	Sisma Y SLD	0	8.7	0	0	1.6E2	0.304
6081	8177	Sisma X SLV	20.5	0	0	0	1.7E2	0.304	6082	8177	Sisma Y SLV	0	20.5	0	0	1.7E2	0.304
6083	8177	Sisma X SLO	10.9	0	0	0	1.7E2	0.304	6084	8177	Sisma Y SLO	0	10.9	0	0	1.7E2	0.304
6085	8177	Sisma X SLD	9.1	0	0	0	1.7E2	0.304	6086	8177	Sisma Y SLD	0	9.1	0	0	1.7E2	0.304
6087	8178	Sisma X SLV	19.4	0	0	0	1.6E2	0.304	6088	8178	Sisma Y SLV	0	19.4	0	0	1.6E2	0.304
6089	8178	Sisma X SLO	10.4	0	0	0	1.6E2	0.304	6090	8178	Sisma Y SLO	0	10.4	0	0	1.6E2	0.304
6091	8178	Sisma X SLD	8.6	0	0	0	1.6E2	0.304	6092	8178	Sisma Y SLD	0	8.6	0	0	1.6E2	0.304
6093	8179	Sisma X SLV	20.6	0	0	0	1.7E2	0.304	6094	8179	Sisma Y SLV	0	20.6	0	0	1.7E2	0.304
6095	8179	Sisma X SLO	11	0	0	0	1.7E2	0.304	6096	8179	Sisma Y SLO	0	11	0	0	1.7E2	0.304
6097	8179	Sisma X SLD	9.1	0	0	0	1.7E2	0.304	6098	8179	Sisma Y SLD	0	9.1	0	0	1.7E2	0.304
6099	8180	Sisma X SLV	19.3	0	0	0	1.6E2	0.304	6100	8180	Sisma Y SLV	0	19.3	0	0	1.6E2	0.304
6101	8180	Sisma X SLO	10.3	0	0	0	1.6E2	0.304	6102	8180	Sisma Y SLO	0	10.3	0	0	1.6E2	0.304
6103	8180	Sisma X SLD	8.5	0	0	0	1.6E2	0.304	6104	8180	Sisma Y SLD	0	8.5	0	0	1.6E2	0.304
6105	8181	Sisma X SLV	19.2	0	0	0	1.6E2	0.304	6106	8181	Sisma Y SLV	0	19.2	0	0	1.6E2	0.304
6107	8181	Sisma X SLO	10.2	0	0	0	1.6E2	0.304	6108	8181	Sisma Y SLO	0	10.2	0	0	1.6E2	0.304
6109	8181	Sisma X SLD	8.5	0	0	0	1.6E2	0.304	6110	8181	Sisma Y SLD	0	8.5	0	0	1.6E2	0.304
6111	8182	Sisma X SLV	20.7	0	0	0	1.7E2	0.304	6112	8182	Sisma Y SLV	0	20.7	0	0	1.7E2	0.304

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
6113	8182	Sisma X SLO	11	0	0	0	1.7E2	0.304	6114	8182	Sisma Y SLO	0	11	0	0	1.7E2	0.304
6115	8182	Sisma X SLD	9.1	0	0	0	1.7E2	0.304	6116	8182	Sisma Y SLD	0	9.1	0	0	1.7E2	0.304
6117	8183	Sisma X SLV	19	0	0	0	1.6E2	0.304	6118	8183	Sisma Y SLV	0	19	0	0	1.6E2	0.304
6119	8183	Sisma X SLO	10.2	0	0	0	1.6E2	0.304	6120	8183	Sisma Y SLO	0	10.2	0	0	1.6E2	0.304
6121	8183	Sisma X SLD	8.4	0	0	0	1.6E2	0.304	6122	8183	Sisma Y SLD	0	8.4	0	0	1.6E2	0.304
6123	8184	Sisma X SLV	20.7	0	0	0	1.7E2	0.304	6124	8184	Sisma Y SLV	0	20.7	0	0	1.7E2	0.304
6125	8184	Sisma X SLO	11.1	0	0	0	1.7E2	0.304	6126	8184	Sisma Y SLO	0	11.1	0	0	1.7E2	0.304
6127	8184	Sisma X SLD	9.2	0	0	0	1.7E2	0.304	6128	8184	Sisma Y SLD	0	9.2	0	0	1.7E2	0.304
6129	8185	Sisma X SLV	19	0	0	0	1.6E2	0.304	6130	8185	Sisma Y SLV	0	19	0	0	1.6E2	0.304
6131	8185	Sisma X SLO	10.1	0	0	0	1.6E2	0.304	6132	8185	Sisma Y SLO	0	10.1	0	0	1.6E2	0.304
6133	8185	Sisma X SLD	8.4	0	0	0	1.6E2	0.304	6134	8185	Sisma Y SLD	0	8.4	0	0	1.6E2	0.304
6135	8186	Sisma X SLV	20.8	0	0	0	1.7E2	0.305	6136	8186	Sisma Y SLV	0	20.8	0	0	1.7E2	0.305
6137	8186	Sisma X SLO	11.1	0	0	0	1.7E2	0.305	6138	8186	Sisma Y SLO	0	11.1	0	0	1.7E2	0.305
6139	8186	Sisma X SLD	9.2	0	0	0	1.7E2	0.305	6140	8186	Sisma Y SLD	0	9.2	0	0	1.7E2	0.305
6141	8187	Sisma X SLV	18.9	0	0	0	1.6E2	0.305	6142	8187	Sisma Y SLV	0	18.9	0	0	1.6E2	0.305
6143	8187	Sisma X SLO	10.1	0	0	0	1.6E2	0.305	6144	8187	Sisma Y SLO	0	10.1	0	0	1.6E2	0.305
6145	8187	Sisma X SLD	8.4	0	0	0	1.6E2	0.305	6146	8187	Sisma Y SLD	0	8.4	0	0	1.6E2	0.305
6147	8188	Sisma X SLV	20.9	0	0	0	1.7E2	0.305	6148	8188	Sisma Y SLV	0	20.9	0	0	1.7E2	0.305
6149	8188	Sisma X SLO	11.1	0	0	0	1.7E2	0.305	6150	8188	Sisma Y SLO	0	11.1	0	0	1.7E2	0.305
6151	8188	Sisma X SLD	9.2	0	0	0	1.7E2	0.305	6152	8188	Sisma Y SLD	0	9.2	0	0	1.7E2	0.305
6153	8189	Sisma X SLV	19	0	0	0	1.6E2	0.305	6154	8189	Sisma Y SLV	0	19	0	0	1.6E2	0.305
6155	8189	Sisma X SLO	10.1	0	0	0	1.6E2	0.305	6156	8189	Sisma Y SLO	0	10.1	0	0	1.6E2	0.305
6157	8189	Sisma X SLD	8.4	0	0	0	1.6E2	0.305	6158	8189	Sisma Y SLD	0	8.4	0	0	1.6E2	0.305
6159	8190	Sisma X SLV	19.1	0	0	0	1.6E2	0.305	6160	8190	Sisma Y SLV	0	19.1	0	0	1.6E2	0.305
6161	8190	Sisma X SLO	10.2	0	0	0	1.6E2	0.305	6162	8190	Sisma Y SLO	0	10.2	0	0	1.6E2	0.305
6163	8190	Sisma X SLD	8.5	0	0	0	1.6E2	0.305	6164	8190	Sisma Y SLD	0	8.5	0	0	1.6E2	0.305
6165	8191	Sisma X SLV	20.9	0	0	0	1.7E2	0.305	6166	8191	Sisma Y SLV	0	20.9	0	0	1.7E2	0.305
6167	8191	Sisma X SLO	11.2	0	0	0	1.7E2	0.305	6168	8191	Sisma Y SLO	0	11.2	0	0	1.7E2	0.305
6169	8191	Sisma X SLD	9.3	0	0	0	1.7E2	0.305	6170	8191	Sisma Y SLD	0	9.3	0	0	1.7E2	0.305
6171	8192	Sisma X SLV	19.4	0	0	0	1.6E2	0.305	6172	8192	Sisma Y SLV	0	19.4	0	0	1.6E2	0.305
6173	8192	Sisma X SLO	10.3	0	0	0	1.6E2	0.305	6174	8192	Sisma Y SLO	0	10.3	0	0	1.6E2	0.305
6175	8192	Sisma X SLD	8.6	0	0	0	1.6E2	0.305	6176	8192	Sisma Y SLD	0	8.6	0	0	1.6E2	0.305
6177	8193	Sisma X SLV	21	0	0	0	1.7E2	0.305	6178	8193	Sisma Y SLV	0	21	0	0	1.7E2	0.305
6179	8193	Sisma X SLO	11.2	0	0	0	1.7E2	0.305	6180	8193	Sisma Y SLO	0	11.2	0	0	1.7E2	0.305
6181	8193	Sisma X SLD	9.3	0	0	0	1.7E2	0.305	6182	8193	Sisma Y SLD	0	9.3	0	0	1.7E2	0.305
6183	8194	Sisma X SLV	19.7	0	0	0	1.6E2	0.305	6184	8194	Sisma Y SLV	0	19.7	0	0	1.6E2	0.305
6185	8194	Sisma X SLO	10.5	0	0	0	1.6E2	0.305	6186	8194	Sisma Y SLO	0	10.5	0	0	1.6E2	0.305
6187	8194	Sisma X SLD	8.7	0	0	0	1.6E2	0.305	6188	8194	Sisma Y SLD	0	8.7	0	0	1.6E2	0.305
6189	8195	Sisma X SLV	21.1	0	0	0	1.7E2	0.305	6190	8195	Sisma Y SLV	0	21.1	0	0	1.7E2	0.305
6191	8195	Sisma X SLO	11.2	0	0	0	1.7E2	0.305	6192	8195	Sisma Y SLO	0	11.2	0	0	1.7E2	0.305
6193	8195	Sisma X SLD	9.3	0	0	0	1.7E2	0.305	6194	8195	Sisma Y SLD	0	9.3	0	0	1.7E2	0.305
6195	8196	Sisma X SLV	19.9	0	0	0	1.6E2	0.305	6196	8196	Sisma Y SLV	0	19.9	0	0	1.6E2	0.305
6197	8196	Sisma X SLO	10.6	0	0	0	1.6E2	0.305	6198	8196	Sisma Y SLO	0	10.6	0	0	1.6E2	0.305
6199	8196	Sisma X SLD	8.8	0	0	0	1.6E2	0.305	6200	8196	Sisma Y SLD	0	8.8	0	0	1.6E2	0.305
6201	8197	Sisma X SLV	21.2	0	0	0	1.7E2	0.305	6202	8197	Sisma Y SLV	0	21.2	0	0	1.7E2	0.305
6203	8197	Sisma X SLO	11.3	0	0	0	1.7E2	0.305	6204	8197	Sisma Y SLO	0	11.3	0	0	1.7E2	0.305
6205	8197	Sisma X SLD	9.4	0	0	0	1.7E2	0.305	6206	8197	Sisma Y SLD	0	9.4	0	0	1.7E2	0.305
6207	8198	Sisma X SLV	21.2	0	0	0	1.7E2	0.305	6208	8198	Sisma Y SLV	0	21.2	0	0	1.7E2	0.305
6209	8198	Sisma X SLO	11.3	0	0	0	1.7E2	0.305	6210	8198	Sisma Y SLO	0	11.3	0	0	1.7E2	0.305
6211	8198	Sisma X SLD	9.4	0	0	0	1.7E2	0.305	6212	8198	Sisma Y SLD	0	9.4	0	0	1.7E2	0.305
6213	8199	Sisma X SLV	20.1	0	0	0	1.6E2	0.305	6214	8199	Sisma Y SLV	0	20.1	0	0	1.6E2	0.305
6215	8199	Sisma X SLO	10.7	0	0	0	1.6E2	0.305	6216	8199	Sisma Y SLO	0	10.7	0	0	1.6E2	0.305
6217	8199	Sisma X SLD	8.9	0	0	0	1.6E2	0.305	6218	8199	Sisma Y SLD	0	8.9	0	0	1.6E2	0.305
6219	8200	Sisma X SLV	21.3	0	0	0	1.7E2	0.305	6220	8200	Sisma Y SLV	0	21.3	0	0	1.7E2	0.305
6221	8200	Sisma X SLO	11.4	0	0	0	1.7E2	0.305	6222	8200	Sisma Y SLO	0	11.4	0	0	1.7E2	0.305
6223	8200	Sisma X SLD	9.4	0	0	0	1.7E2	0.305	6224	8200	Sisma Y SLD	0	9.4	0	0	1.7E2	0.305
6225	8201	Sisma X SLV	21.4	0	0	0	1.8E2	0.306	6226	8201	Sisma Y SLV	0	21.4	0	0	1.8E2	0.306
6227	8201	Sisma X SLO	11.4	0	0	0	1.8E2	0.306	6228	8201	Sisma Y SLO	0	11.4	0	0	1.8E2	0.306
6229	8201	Sisma X SLD	9.5	0	0	0	1.8E2	0.306	6230	8201	Sisma Y SLD	0	9.5	0	0	1.8E2	0.306
6231	8202	Sisma X SLV	20.2	0	0	0	1.7E2	0.306	6232	8202	Sisma Y SLV	0	20.2	0	0	1.7E2	0.306
6233	8202	Sisma X SLO	10.8	0	0	0	1.7E2	0.306	6234	8202	Sisma Y SLO	0	10.8	0	0	1.7E2	0.306
6235	8202	Sisma X SLD	8.9	0	0	0	1.7E2	0.306	6236	8202	Sisma Y SLD	0	8.9	0	0	1.7E2	0.306
6237	8203	Sisma X SLV	7.5	0	0	0	6.2E1	0.306	6238	8203	Sisma Y SLV	0	7.5	0	0	6.2E1	0.306
6239	8203	Sisma X SLO	4	0	0	0	6.2E1	0.306	6240	8203	Sisma Y SLO	0	4	0	0	6.2E1	0.306
6241	8203	Sisma X SLD	3.3	0	0	0	6.2E1	0.306	6242	8203	Sisma Y SLD	0	3.3	0	0	6.2E1	0.306
6243	8204	Sisma X SLV	15.1	0	0	0	1.2E2	0.306	6244	8204	Sisma Y SLV	0	15.1	0	0	1.2E2	0.306
6245	8204	Sisma X SLO	8	0	0	0	1.2E2	0.306	6246	8204	Sisma Y SLO	0	8	0	0	1.2E2	0.306
6247	8204	Sisma X SLD	6.7	0	0	0	1.2E2	0.306	6248	8204	Sisma Y SLD	0	6.7	0	0	1.2E2	0.306
6249	8205	Sisma X SLV	7.5	0	0	0	6.2E1	0.306	6250	8205	Sisma Y SLV	0	7.5	0	0	6.2E1	0.306
6251	8205	Sisma X SLO	4	0	0	0	6.2E1	0.306	6252	8205	Sisma Y SLO	0	4	0	0	6.2E1	0.306
6253	8205	Sisma X SLD	3.3	0	0	0	6.2E1	0.306	6254	8205	Sisma Y SLD	0	3.3	0	0	6.2E1	0.306
6255	8206	Sisma X SLV	15.1	0	0	0	1.2E2	0.306	6256	8206	Sisma Y SLV	0	15.1	0	0	1.2E2	0.306
6257	8206	Sisma X SLO	8	0	0	0	1.2E2	0.306	6258	8206	Sisma Y SLO	0	8	0	0	1.2E2	0.306
6259	8206	Sisma X SLD	6.7	0	0	0	1.2E2	0.306	6260	8206	Sisma Y SLD	0	6.7	0	0	1.2E2	0.306
6261	8207	Sisma X SLV	25.8	0	0	0	2.1E2	0.306	6262	8207	Sisma Y SLV	0	25.8	0	0	2.1E2	0.306
6263	8207	Sisma X SLO	13.8	0	0	0	2.1E2	0.306	6264	8207	Sisma Y SLO	0	13.8	0	0	2.1E2	0.306
6265	8207	Sisma X SLD	11.4	0	0	0	2.1E2	0.306	6266	8207	Sisma Y SLD	0	11.4	0	0	2.1E2	0.306
6267	8208	Sisma X SLV	18.5	0	0	0	1.5E2	0.306	6268	8208	Sisma Y SLV	0	18.5	0	0	1.5E2	0.306
6269	8208	Sisma X SLO	9.8	0	0	0	1.5E2	0.306	6270	8208	Sisma Y SLO	0	9.8	0	0	1.5E2	0.306
6271	8208	Sisma X SLD	8.2	0	0	0	1.5E2	0.306	6272	8208	Sisma Y SLD	0	8.2	0	0	1.5E2	0.306
6273	8209	Sisma X SLV	20.2	0	0	0	1.7E2	0.306	6274	8209	Sisma Y SLV	0	20.2	0	0	1.7E2	0.306
6275	8209	Sisma X SLO	10.8	0	0	0	1.7E2	0.306	6276	8209	Sisma Y SLO	0	10.8	0	0	1.7E2	0.306
6277	8209	Sisma X SLD	9	0	0	0	1.7E2	0.306	6278	8209	Sisma Y SLD	0	9	0	0	1.7E2	0.306
6279	8210	Sisma X SLV	20.3	0	0	0	1.7E2	0.306	6280	8210	Sisma Y SLV	0	20.3	0	0	1.7E2	0.306
6281	8210	Sisma X SLO	10.8	0	0	0	1.7E2	0.306	6282	8210	Sisma Y SLO	0	10.8	0	0	1.7E2	0.306
6283	8210	Sisma X SLD	9	0	0	0	1.7E2	0.306	6284	8210	Sisma Y SLD	0	9	0	0	1.7E2	0.306
6285	8211	Sisma X SLV	21.6	0	0	0	1.8E2	0.307	6286	8211	Sisma Y SLV	0	21.6	0	0	1.8E2	0.307
6287	8211	Sisma X SLO	11.5	0	0	0	1.8E2	0.307	6288	8211	Sisma Y SLO	0	11.5	0	0	1.8E2	0.307
6289	8211	Sisma X SLD	9.6	0	0	0	1.8E2	0.307	6290	8211	Sisma Y SLD	0	9.6	0	0	1.8E2	0.307
6291	8212	Sisma X SLV	20.3	0	0	0	1.7E2	0.307	6292	8212	Sisma Y SLV	0	20.3	0	0	1.7E2	0.307
6293	8212	Sisma X SLO	10.8	0	0	0	1.7E2	0.307	6294	8212	Sisma Y SLO	0	10.8	0	0	1.7E2	0.307
6295	8212	Sisma X SLD	9	0	0	0	1.7E2	0.307	6296	8212	Sisma Y SLD	0	9	0	0	1.7E2	0.307
6297	8213	Sisma X SLV	20.3	0	0	0	1.7E2	0.307	6298	8213	Sisma Y SLV	0	20.3	0	0	1.7E2	0.307
6299	8213	Sisma X SLO	10.8	0	0	0	1.7E2	0.307	6300	8213	Sisma Y SLO	0	10.8	0	0	1.7E2	0.307
6301	8213	Sisma X SLD	9	0	0	0	1.7E2	0.307	6302	8213	Sisma Y SLD	0	9	0	0	1.7E2	0.307
6303	8214	Sisma X SLV	20.4	0	0	0	1.7E2	0.307	6304	8214	Sisma Y SLV	0	20.4	0	0	1.7E2	0.307
6305	8214	Sisma X SLO	10.9	0	0	0	1.7E2	0.307	6306	8214	Sisma Y SLO	0	10.9	0	0	1.7E2	0.307
6307	8214	Sisma X SLD	9	0	0	0	1.7E2	0.307	6308	8214	Sisma Y SLD	0	9	0	0	1.7E2	0.307
6309	8215	Sisma X SLV	21.1	0	0	0	1.7E2	0.308	6310	8215	Sisma Y SLV	0	21.1	0	0	1.7E2	0.308
6311	8215	Sisma X SLO	11.3	0	0	0	1.7E2	0.308	6312	8215	Sisma Y SLO	0	11.3	0	0	1.7E2	0.308

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
6313	8215	Sisma X SLD	9.3	0	0	0	1.7E2	0.308	6314	8215	Sisma Y SLD	0	9.3	0	0	1.7E2	0.308
6315	8216	Sisma X SLV	20.7	0	0	0	1.7E2	0.308	6316	8216	Sisma Y SLV	0	20.7	0	0	1.7E2	0.308
6317	8216	Sisma X SLO	11	0	0	0	1.7E2	0.308	6318	8216	Sisma Y SLO	0	11	0	0	1.7E2	0.308
6319	8216	Sisma X SLD	9.2	0	0	0	1.7E2	0.308	6320	8216	Sisma Y SLD	0	9.2	0	0	1.7E2	0.308
6321	8217	Sisma X SLV	17.6	0	0	0	1.4E2	0.309	6322	8217	Sisma Y SLV	0	17.6	0	0	1.4E2	0.309
6323	8217	Sisma X SLO	9.4	0	0	0	1.4E2	0.309	6324	8217	Sisma Y SLO	0	9.4	0	0	1.4E2	0.309
6325	8217	Sisma X SLD	7.8	0	0	0	1.4E2	0.309	6326	8217	Sisma Y SLD	0	7.8	0	0	1.4E2	0.309
6327	8218	Sisma X SLV	15.2	0	0	0	1.2E2	0.309	6328	8218	Sisma Y SLV	0	15.2	0	0	1.2E2	0.309
6329	8218	Sisma X SLO	8.1	0	0	0	1.2E2	0.309	6330	8218	Sisma Y SLO	0	8.1	0	0	1.2E2	0.309
6331	8218	Sisma X SLD	6.7	0	0	0	1.2E2	0.309	6332	8218	Sisma Y SLD	0	6.7	0	0	1.2E2	0.309
6333	8219	Sisma X SLV	10.6	0	0	0	8.5E1	0.31	6334	8219	Sisma Y SLV	0	10.6	0	0	8.5E1	0.31
6335	8219	Sisma X SLO	5.6	0	0	0	8.5E1	0.31	6336	8219	Sisma Y SLO	0	5.6	0	0	8.5E1	0.31
6337	8219	Sisma X SLD	4.7	0	0	0	8.5E1	0.31	6338	8219	Sisma Y SLD	0	4.7	0	0	8.5E1	0.31
6339	8220	Sisma X SLV	11.2	0	0	0	9.0E1	0.31	6340	8220	Sisma Y SLV	0	11.2	0	0	9.0E1	0.31
6341	8220	Sisma X SLO	6	0	0	0	9.0E1	0.31	6342	8220	Sisma Y SLO	0	6	0	0	9.0E1	0.31
6343	8220	Sisma X SLD	4.9	0	0	0	9.0E1	0.31	6344	8220	Sisma Y SLD	0	4.9	0	0	9.0E1	0.31
6345	8221	Sisma X SLV	12.8	0	0	0	1.0E2	0.32	6346	8221	Sisma Y SLV	0	12.8	0	0	1.0E2	0.32
6347	8221	Sisma X SLO	6.8	0	0	0	1.0E2	0.32	6348	8221	Sisma Y SLO	0	6.8	0	0	1.0E2	0.32
6349	8221	Sisma X SLD	5.7	0	0	0	1.0E2	0.32	6350	8221	Sisma Y SLD	0	5.7	0	0	1.0E2	0.32
6351	8222	Sisma X SLV	24.9	0	0	0	1.9E2	0.323	6352	8222	Sisma Y SLV	0	24.9	0	0	1.9E2	0.323
6353	8222	Sisma X SLO	13.3	0	0	0	1.9E2	0.323	6354	8222	Sisma Y SLO	0	13.3	0	0	1.9E2	0.323
6355	8222	Sisma X SLD	11	0	0	0	1.9E2	0.323	6356	8222	Sisma Y SLD	0	11	0	0	1.9E2	0.323
6357	8223	Sisma X SLV	24.8	0	0	0	1.9E2	0.325	6358	8223	Sisma Y SLV	0	24.8	0	0	1.9E2	0.325
6359	8223	Sisma X SLO	13.2	0	0	0	1.9E2	0.325	6360	8223	Sisma Y SLO	0	13.2	0	0	1.9E2	0.325
6361	8223	Sisma X SLD	11	0	0	0	1.9E2	0.325	6362	8223	Sisma Y SLD	0	11	0	0	1.9E2	0.325
6363	8224	Sisma X SLV	23.7	0	0	0	1.8E2	0.326	6364	8224	Sisma Y SLV	0	23.7	0	0	1.8E2	0.326
6365	8224	Sisma X SLO	12.6	0	0	0	1.8E2	0.326	6366	8224	Sisma Y SLO	0	12.6	0	0	1.8E2	0.326
6367	8224	Sisma X SLD	10.5	0	0	0	1.8E2	0.326	6368	8224	Sisma Y SLD	0	10.5	0	0	1.8E2	0.326
6369	8225	Sisma X SLV	13	0	0	0	96.75	0.337	6370	8225	Sisma Y SLV	0	13	0	0	96.75	0.337
6371	8225	Sisma X SLO	6.9	0	0	0	96.75	0.337	6372	8225	Sisma Y SLO	0	6.9	0	0	96.75	0.337
6373	8225	Sisma X SLD	5.8	0	0	0	96.75	0.337	6374	8225	Sisma Y SLD	0	5.8	0	0	96.75	0.337
6375	8226	Sisma X SLV	6.1	0	0	0	4.3E1	0.353	6376	8226	Sisma Y SLV	0	6.1	0	0	4.3E1	0.353
6377	8226	Sisma X SLO	3.2	0	0	0	4.3E1	0.353	6378	8226	Sisma Y SLO	0	3.2	0	0	4.3E1	0.353
6379	8226	Sisma X SLD	2.7	0	0	0	4.3E1	0.353	6380	8226	Sisma Y SLD	0	2.7	0	0	4.3E1	0.353
6381	8227	Sisma X SLV	7.2	0	0	0	5.1E1	0.353	6382	8227	Sisma Y SLV	0	7.2	0	0	5.1E1	0.353
6383	8227	Sisma X SLO	3.8	0	0	0	5.1E1	0.353	6384	8227	Sisma Y SLO	0	3.8	0	0	5.1E1	0.353
6385	8227	Sisma X SLD	3.2	0	0	0	5.1E1	0.353	6386	8227	Sisma Y SLD	0	3.2	0	0	5.1E1	0.353
6387	8228	Sisma X SLV	13.4	0	0	0	9.5E1	0.355	6388	8228	Sisma Y SLV	0	13.4	0	0	9.5E1	0.355
6389	8228	Sisma X SLO	7.2	0	0	0	9.5E1	0.355	6390	8228	Sisma Y SLO	0	7.2	0	0	9.5E1	0.355
6391	8228	Sisma X SLD	5.9	0	0	0	9.5E1	0.355	6392	8228	Sisma Y SLD	0	5.9	0	0	9.5E1	0.355
6393	8229	Sisma X SLV	9.2	0	0	0	6.4E1	0.356	6394	8229	Sisma Y SLV	0	9.2	0	0	6.4E1	0.356
6395	8229	Sisma X SLO	4.9	0	0	0	6.4E1	0.356	6396	8229	Sisma Y SLO	0	4.9	0	0	6.4E1	0.356
6397	8229	Sisma X SLD	4.1	0	0	0	6.4E1	0.356	6398	8229	Sisma Y SLD	0	4.1	0	0	6.4E1	0.356
6399	8230	Sisma X SLV	10.3	0	0	0	7.2E1	0.357	6400	8230	Sisma Y SLV	0	10.3	0	0	7.2E1	0.357
6401	8230	Sisma X SLO	5.5	0	0	0	7.2E1	0.357	6402	8230	Sisma Y SLO	0	5.5	0	0	7.2E1	0.357
6403	8230	Sisma X SLD	4.6	0	0	0	7.2E1	0.357	6404	8230	Sisma Y SLD	0	4.6	0	0	7.2E1	0.357
6405	8231	Sisma X SLV	11.6	0	0	0	8.0E1	0.361	6406	8231	Sisma Y SLV	0	11.6	0	0	8.0E1	0.361
6407	8231	Sisma X SLO	6.2	0	0	0	8.0E1	0.361	6408	8231	Sisma Y SLO	0	6.2	0	0	8.0E1	0.361
6409	8231	Sisma X SLD	5.1	0	0	0	8.0E1	0.361	6410	8231	Sisma Y SLD	0	5.1	0	0	8.0E1	0.361
6411	8232	Sisma X SLV	11.2	0	0	0	7.8E1	0.361	6412	8232	Sisma Y SLV	0	11.2	0	0	7.8E1	0.361
6413	8232	Sisma X SLO	6	0	0	0	7.8E1	0.361	6414	8232	Sisma Y SLO	0	6	0	0	7.8E1	0.361
6415	8232	Sisma X SLD	5	0	0	0	7.8E1	0.361	6416	8232	Sisma Y SLD	0	5	0	0	7.8E1	0.361
6417	8233	Sisma X SLV	10.9	0	0	0	7.6E1	0.361	6418	8233	Sisma Y SLV	0	10.9	0	0	7.6E1	0.361
6419	8233	Sisma X SLO	5.8	0	0	0	7.6E1	0.361	6420	8233	Sisma Y SLO	0	5.8	0	0	7.6E1	0.361
6421	8233	Sisma X SLD	4.8	0	0	0	7.6E1	0.361	6422	8233	Sisma Y SLD	0	4.8	0	0	7.6E1	0.361
6423	8234	Sisma X SLV	7.6	0	0	0	5.3E1	0.362	6424	8234	Sisma Y SLV	0	7.6	0	0	5.3E1	0.362
6425	8234	Sisma X SLO	4.1	0	0	0	5.3E1	0.362	6426	8234	Sisma Y SLO	0	4.1	0	0	5.3E1	0.362
6427	8234	Sisma X SLD	3.4	0	0	0	5.3E1	0.362	6428	8234	Sisma Y SLD	0	3.4	0	0	5.3E1	0.362
6429	8235	Sisma X SLV	7.6	0	0	0	5.3E1	0.362	6430	8235	Sisma Y SLV	0	7.6	0	0	5.3E1	0.362
6431	8235	Sisma X SLO	4.1	0	0	0	5.3E1	0.362	6432	8235	Sisma Y SLO	0	4.1	0	0	5.3E1	0.362
6433	8235	Sisma X SLD	3.4	0	0	0	5.3E1	0.362	6434	8235	Sisma Y SLD	0	3.4	0	0	5.3E1	0.362
6435	8236	Sisma X SLV	11.5	0	0	0	8.0E1	0.362	6436	8236	Sisma Y SLV	0	11.5	0	0	8.0E1	0.362
6437	8236	Sisma X SLO	6.2	0	0	0	8.0E1	0.362	6438	8236	Sisma Y SLO	0	6.2	0	0	8.0E1	0.362
6439	8236	Sisma X SLD	5.1	0	0	0	8.0E1	0.362	6440	8236	Sisma Y SLD	0	5.1	0	0	8.0E1	0.362
6441	8237	Sisma X SLV	28.2	0	0	0	2.0E2	0.362	6442	8237	Sisma Y SLV	0	28.2	0	0	2.0E2	0.362
6443	8237	Sisma X SLO	15.1	0	0	0	2.0E2	0.362	6444	8237	Sisma Y SLO	0	15.1	0	0	2.0E2	0.362
6445	8237	Sisma X SLD	12.5	0	0	0	2.0E2	0.362	6446	8237	Sisma Y SLD	0	12.5	0	0	2.0E2	0.362
6447	8238	Sisma X SLV	16.6	0	0	0	1.1E2	0.363	6448	8238	Sisma Y SLV	0	16.6	0	0	1.1E2	0.363
6449	8238	Sisma X SLO	8.8	0	0	0	1.1E2	0.363	6450	8238	Sisma Y SLO	0	8.8	0	0	1.1E2	0.363
6451	8238	Sisma X SLD	7.3	0	0	0	1.1E2	0.363	6452	8238	Sisma Y SLD	0	7.3	0	0	1.1E2	0.363
6453	8239	Sisma X SLV	13.1	0	0	0	9.1E1	0.363	6454	8239	Sisma Y SLV	0	13.1	0	0	9.1E1	0.363
6455	8239	Sisma X SLO	7	0	0	0	9.1E1	0.363	6456	8239	Sisma Y SLO	0	7	0	0	9.1E1	0.363
6457	8239	Sisma X SLD	5.8	0	0	0	9.1E1	0.363	6458	8239	Sisma Y SLD	0	5.8	0	0	9.1E1	0.363
6459	8240	Sisma X SLV	13.4	0	0	0	9.3E1	0.363	6460	8240	Sisma Y SLV	0	13.4	0	0	9.3E1	0.363
6461	8240	Sisma X SLO	7.2	0	0	0	9.3E1	0.363	6462	8240	Sisma Y SLO	0	7.2	0	0	9.3E1	0.363
6463	8240	Sisma X SLD	5.9	0	0	0	9.3E1	0.363	6464	8240	Sisma Y SLD	0	5.9	0	0	9.3E1	0.363
6465	8241	Sisma X SLV	16.7	0	0	0	1.1E2	0.364	6466	8241	Sisma Y SLV	0	16.7	0	0	1.1E2	0.364
6467	8241	Sisma X SLO	8.9	0	0	0	1.1E2	0.364	6468	8241	Sisma Y SLO	0	8.9	0	0	1.1E2	0.364
6469	8241	Sisma X SLD	7.4	0	0	0	1.1E2	0.364	6470	8241	Sisma Y SLD	0	7.4	0	0	1.1E2	0.364
6471	8242	Sisma X SLV	23.5	0	0	0	1.6E2	0.365	6472	8242	Sisma Y SLV	0	23.5	0	0	1.6E2	0.365
6473	8242	Sisma X SLO	12.5	0	0	0	1.6E2	0.365	6474	8242	Sisma Y SLO	0	12.5	0	0	1.6E2	0.365
6475	8242	Sisma X SLD	10.4	0	0	0	1.6E2	0.365	6476	8242	Sisma Y SLD	0	10.4	0	0	1.6E2	0.365
6477	8243	Sisma X SLV	13.4	0	0	0	9.1E1	0.366	6478	8243	Sisma Y SLV	0	13.4	0	0	9.1E1	0.366
6479	8243	Sisma X SLO	7.1	0	0	0	9.1E1	0.366	6480	8243	Sisma Y SLO	0	7.1	0	0	9.1E1	0.366
6481	8243	Sisma X SLD	5.9	0	0	0	9.1E1	0.366	6482	8243	Sisma Y SLD	0	5.9	0	0	9.1E1	0.366
6483	8244	Sisma X SLV	16.2	0	0	0	1.1E2	0.366	6484	8244	Sisma Y SLV	0	16.2	0	0	1.1E2	0.366
6485	8244	Sisma X SLO	8.7	0	0	0	1.1E2	0.366	6486	8244	Sisma Y SLO	0	8.7	0	0	1.1E2	0.366
6487	8244	Sisma X SLD	7.2	0	0	0	1.1E2	0.366	6488	8244	Sisma Y SLD	0	7.2	0	0	1.1E2	0.366
6489	8245	Sisma X SLV	13.7	0	0	0	9.4E1	0.366	6490	8245	Sisma Y SLV	0	13.7	0	0	9.4E1	0.366
6491	8245	Sisma X SLO	7.3	0	0	0	9.4E1	0.366	6492	8245	Sisma Y SLO	0	7.3	0	0	9.4E1	0.366
6493	8245	Sisma X SLD	6.1	0	0	0	9.4E1	0.366	6494	8245	Sisma Y SLD	0	6.1	0	0	9.4E1	0.366
6495	8246	Sisma X SLV	24	0	0	0	1.6E2	0.367	6496	8246	Sisma Y SLV	0	24	0	0	1.6E2	0.367
6497	8246	Sisma X SLO	12.8	0	0	0	1.6E2	0.367	6498	8246	Sisma Y SLO	0	12.8	0	0	1.6E2	0.367
6499	8246	Sisma X SLD	10.6	0	0	0	1.6E2	0.367	6500	8246	Sisma Y SLD	0	10.6	0	0	1.6E2	0.367
6501	8247	Sisma X SLV	10.2	0	0	0	6.9E1	0.368	6502	8247	Sisma Y SLV	0	10.2	0	0	6.9E1	0.368
6503	8247	Sisma X SLO	5.4	0	0	0	6.9E1	0.368	6504	8247	Sisma Y SLO	0	5.4	0	0	6.9E1	0.368
6505	8247	Sisma X SLD	4.5	0	0	0	6.9E1	0.368	6506	8247	Sisma Y SLD	0	4.5	0	0	6.9E1	0.368
6507	8248	Sisma X SLV	14.7	0	0	0	1.0E2	0.368	6508	8248	Sisma Y SLV	0	14.7	0	0	1.0E2	0.368
6509	8248	Sisma X SLO	7.8	0	0	0	1.0E2	0.368	6510	8248	Sisma Y SLO	0	7.8	0	0	1.0E2	0.368
6511	8248	Sisma X SLD	6.5	0	0	0	1.0E2	0.368	6512	8248	Sisma Y SLD	0	6.5	0	0	1.0E2	0.368

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
6513	8249	Sisma X SLV	13.4	0	0	0	9.1E1	0.368	6514	8249	Sisma Y SLV	0	13.4	0	0	9.1E1	0.368
6515	8249	Sisma X SLO	7.2	0	0	0	9.1E1	0.368	6516	8249	Sisma Y SLO	0	7.2	0	0	9.1E1	0.368
6517	8249	Sisma X SLD	5.9	0	0	0	9.1E1	0.368	6518	8249	Sisma Y SLD	0	5.9	0	0	9.1E1	0.368
6519	8250	Sisma X SLV	16.2	0	0	0	1.1E2	0.368	6520	8250	Sisma Y SLV	0	16.2	0	0	1.1E2	0.368
6521	8250	Sisma X SLO	8.6	0	0	0	1.1E2	0.368	6522	8250	Sisma Y SLO	0	8.6	0	0	1.1E2	0.368
6523	8250	Sisma X SLD	7.2	0	0	0	1.1E2	0.368	6524	8250	Sisma Y SLD	0	7.2	0	0	1.1E2	0.368
6525	8251	Sisma X SLV	15.5	0	0	0	1.1E2	0.369	6526	8251	Sisma Y SLV	0	15.5	0	0	1.1E2	0.369
6527	8251	Sisma X SLO	8.3	0	0	0	1.1E2	0.369	6528	8251	Sisma Y SLO	0	8.3	0	0	1.1E2	0.369
6529	8251	Sisma X SLD	6.9	0	0	0	1.1E2	0.369	6530	8251	Sisma Y SLD	0	6.9	0	0	1.1E2	0.369
6531	8252	Sisma X SLV	16.3	0	0	0	1.1E2	0.369	6532	8252	Sisma Y SLV	0	16.3	0	0	1.1E2	0.369
6533	8252	Sisma X SLO	8.7	0	0	0	1.1E2	0.369	6534	8252	Sisma Y SLO	0	8.7	0	0	1.1E2	0.369
6535	8252	Sisma X SLD	7.2	0	0	0	1.1E2	0.369	6536	8252	Sisma Y SLD	0	7.2	0	0	1.1E2	0.369
6537	8253	Sisma X SLV	24.4	0	0	0	1.7E2	0.369	6538	8253	Sisma Y SLV	0	24.4	0	0	1.7E2	0.369
6539	8253	Sisma X SLO	13	0	0	0	1.7E2	0.369	6540	8253	Sisma Y SLO	0	13	0	0	1.7E2	0.369
6541	8253	Sisma X SLD	10.8	0	0	0	1.7E2	0.369	6542	8253	Sisma Y SLD	0	10.8	0	0	1.7E2	0.369
6543	8254	Sisma X SLV	13.3	0	0	0	9.0E1	0.369	6544	8254	Sisma Y SLV	0	13.3	0	0	9.0E1	0.369
6545	8254	Sisma X SLO	7.1	0	0	0	9.0E1	0.369	6546	8254	Sisma Y SLO	0	7.1	0	0	9.0E1	0.369
6547	8254	Sisma X SLD	5.9	0	0	0	9.0E1	0.369	6548	8254	Sisma Y SLD	0	5.9	0	0	9.0E1	0.369
6549	8255	Sisma X SLV	15.4	0	0	0	1.0E2	0.369	6550	8255	Sisma Y SLV	0	15.4	0	0	1.0E2	0.369
6551	8255	Sisma X SLO	8.2	0	0	0	1.0E2	0.369	6552	8255	Sisma Y SLO	0	8.2	0	0	1.0E2	0.369
6553	8255	Sisma X SLD	6.8	0	0	0	1.0E2	0.369	6554	8255	Sisma Y SLD	0	6.8	0	0	1.0E2	0.369
6555	8256	Sisma X SLV	17	0	0	0	1.2E2	0.369	6556	8256	Sisma Y SLV	0	17	0	0	1.2E2	0.369
6557	8256	Sisma X SLO	9.1	0	0	0	1.2E2	0.369	6558	8256	Sisma Y SLO	0	9.1	0	0	1.2E2	0.369
6559	8256	Sisma X SLD	7.5	0	0	0	1.2E2	0.369	6560	8256	Sisma Y SLD	0	7.5	0	0	1.2E2	0.369
6561	8257	Sisma X SLV	15.1	0	0	0	1.0E2	0.37	6562	8257	Sisma Y SLV	0	15.1	0	0	1.0E2	0.37
6563	8257	Sisma X SLO	8.1	0	0	0	1.0E2	0.37	6564	8257	Sisma Y SLO	0	8.1	0	0	1.0E2	0.37
6565	8257	Sisma X SLD	6.7	0	0	0	1.0E2	0.37	6566	8257	Sisma Y SLD	0	6.7	0	0	1.0E2	0.37
6567	8258	Sisma X SLV	13.1	0	0	0	88.82	0.37	6568	8258	Sisma Y SLV	0	13.1	0	0	88.82	0.37
6569	8258	Sisma X SLO	7	0	0	0	88.82	0.37	6570	8258	Sisma Y SLO	0	7	0	0	88.82	0.37
6571	8258	Sisma X SLD	5.8	0	0	0	88.82	0.37	6572	8258	Sisma Y SLD	0	5.8	0	0	88.82	0.37
6573	8259	Sisma X SLV	13.6	0	0	0	92.12	0.37	6574	8259	Sisma Y SLV	0	13.6	0	0	92.12	0.37
6575	8259	Sisma X SLO	7.3	0	0	0	92.12	0.37	6576	8259	Sisma Y SLO	0	7.3	0	0	92.12	0.37
6577	8259	Sisma X SLD	6	0	0	0	92.12	0.37	6578	8259	Sisma Y SLD	0	6	0	0	92.12	0.37
6579	8260	Sisma X SLV	15.7	0	0	0	1.1E2	0.37	6580	8260	Sisma Y SLV	0	15.7	0	0	1.1E2	0.37
6581	8260	Sisma X SLO	8.4	0	0	0	1.1E2	0.37	6582	8260	Sisma Y SLO	0	8.4	0	0	1.1E2	0.37
6583	8260	Sisma X SLD	7	0	0	0	1.1E2	0.37	6584	8260	Sisma Y SLD	0	7	0	0	1.1E2	0.37
6585	8261	Sisma X SLV	13.6	0	0	0	9.2E1	0.37	6586	8261	Sisma Y SLV	0	13.6	0	0	9.2E1	0.37
6587	8261	Sisma X SLO	7.2	0	0	0	9.2E1	0.37	6588	8261	Sisma Y SLO	0	7.2	0	0	9.2E1	0.37
6589	8261	Sisma X SLD	6	0	0	0	9.2E1	0.37	6590	8261	Sisma Y SLD	0	6	0	0	9.2E1	0.37
6591	8262	Sisma X SLV	14.5	0	0	0	9.8E1	0.371	6592	8262	Sisma Y SLV	0	14.5	0	0	9.8E1	0.371
6593	8262	Sisma X SLO	7.7	0	0	0	9.8E1	0.371	6594	8262	Sisma Y SLO	0	7.7	0	0	9.8E1	0.371
6595	8262	Sisma X SLD	6.4	0	0	0	9.8E1	0.371	6596	8262	Sisma Y SLD	0	6.4	0	0	9.8E1	0.371
6597	8263	Sisma X SLV	24.6	0	0	0	1.7E2	0.371	6598	8263	Sisma Y SLV	0	24.6	0	0	1.7E2	0.371
6599	8263	Sisma X SLO	13.1	0	0	0	1.7E2	0.371	6600	8263	Sisma Y SLO	0	13.1	0	0	1.7E2	0.371
6601	8263	Sisma X SLD	10.9	0	0	0	1.7E2	0.371	6602	8263	Sisma Y SLD	0	10.9	0	0	1.7E2	0.371
6603	8264	Sisma X SLV	13.8	0	0	0	93.27	0.371	6604	8264	Sisma Y SLV	0	13.8	0	0	93.27	0.371
6605	8264	Sisma X SLO	7.4	0	0	0	93.27	0.371	6606	8264	Sisma Y SLO	0	7.4	0	0	93.27	0.371
6607	8264	Sisma X SLD	6.1	0	0	0	93.27	0.371	6608	8264	Sisma Y SLD	0	6.1	0	0	93.27	0.371
6609	8265	Sisma X SLV	13.8	0	0	0	9.3E1	0.371	6610	8265	Sisma Y SLV	0	13.8	0	0	9.3E1	0.371
6611	8265	Sisma X SLO	7.3	0	0	0	9.3E1	0.371	6612	8265	Sisma Y SLO	0	7.3	0	0	9.3E1	0.371
6613	8265	Sisma X SLD	6.1	0	0	0	9.3E1	0.371	6614	8265	Sisma Y SLD	0	6.1	0	0	9.3E1	0.371
6615	8266	Sisma X SLV	14.2	0	0	0	9.6E1	0.371	6616	8266	Sisma Y SLV	0	14.2	0	0	9.6E1	0.371
6617	8266	Sisma X SLO	7.6	0	0	0	9.6E1	0.371	6618	8266	Sisma Y SLO	0	7.6	0	0	9.6E1	0.371
6619	8266	Sisma X SLD	6.3	0	0	0	9.6E1	0.371	6620	8266	Sisma Y SLD	0	6.3	0	0	9.6E1	0.371
6621	8267	Sisma X SLV	14.4	0	0	0	9.7E1	0.371	6622	8267	Sisma Y SLV	0	14.4	0	0	9.7E1	0.371
6623	8267	Sisma X SLO	7.7	0	0	0	9.7E1	0.371	6624	8267	Sisma Y SLO	0	7.7	0	0	9.7E1	0.371
6625	8267	Sisma X SLD	6.4	0	0	0	9.7E1	0.371	6626	8267	Sisma Y SLD	0	6.4	0	0	9.7E1	0.371
6627	8268	Sisma X SLV	13.7	0	0	0	9.2E1	0.371	6628	8268	Sisma Y SLV	0	13.7	0	0	9.2E1	0.371
6629	8268	Sisma X SLO	7.3	0	0	0	9.2E1	0.371	6630	8268	Sisma Y SLO	0	7.3	0	0	9.2E1	0.371
6631	8268	Sisma X SLD	6	0	0	0	9.2E1	0.371	6632	8268	Sisma Y SLD	0	6	0	0	9.2E1	0.371
6633	8269	Sisma X SLV	13.4	0	0	0	9.0E1	0.372	6634	8269	Sisma Y SLV	0	13.4	0	0	9.0E1	0.372
6635	8269	Sisma X SLO	7.2	0	0	0	9.0E1	0.372	6636	8269	Sisma Y SLO	0	7.2	0	0	9.0E1	0.372
6637	8269	Sisma X SLD	5.9	0	0	0	9.0E1	0.372	6638	8269	Sisma Y SLD	0	5.9	0	0	9.0E1	0.372
6639	8270	Sisma X SLV	15.7	0	0	0	1.1E2	0.372	6640	8270	Sisma Y SLV	0	15.7	0	0	1.1E2	0.372
6641	8270	Sisma X SLO	8.4	0	0	0	1.1E2	0.372	6642	8270	Sisma Y SLO	0	8.4	0	0	1.1E2	0.372
6643	8270	Sisma X SLD	7	0	0	0	1.1E2	0.372	6644	8270	Sisma Y SLD	0	7	0	0	1.1E2	0.372
6645	8271	Sisma X SLV	24.7	0	0	0	1.7E2	0.372	6646	8271	Sisma Y SLV	0	24.7	0	0	1.7E2	0.372
6647	8271	Sisma X SLO	13.2	0	0	0	1.7E2	0.372	6648	8271	Sisma Y SLO	0	13.2	0	0	1.7E2	0.372
6649	8271	Sisma X SLD	10.9	0	0	0	1.7E2	0.372	6650	8271	Sisma Y SLD	0	10.9	0	0	1.7E2	0.372
6651	8272	Sisma X SLV	14.4	0	0	0	9.7E1	0.372	6652	8272	Sisma Y SLV	0	14.4	0	0	9.7E1	0.372
6653	8272	Sisma X SLO	7.7	0	0	0	9.7E1	0.372	6654	8272	Sisma Y SLO	0	7.7	0	0	9.7E1	0.372
6655	8272	Sisma X SLD	6.4	0	0	0	9.7E1	0.372	6656	8272	Sisma Y SLD	0	6.4	0	0	9.7E1	0.372
6657	8273	Sisma X SLV	24.7	0	0	0	166	0.373	6658	8273	Sisma Y SLV	0	24.7	0	0	166	0.373
6659	8273	Sisma X SLO	13.2	0	0	0	166	0.373	6660	8273	Sisma Y SLO	0	13.2	0	0	166	0.373
6661	8273	Sisma X SLD	10.9	0	0	0	166	0.373	6662	8273	Sisma Y SLD	0	10.9	0	0	166	0.373
6663	8274	Sisma X SLV	15.7	0	0	0	1.1E2	0.373	6664	8274	Sisma Y SLV	0	15.7	0	0	1.1E2	0.373
6665	8274	Sisma X SLO	8.4	0	0	0	1.1E2	0.373	6666	8274	Sisma Y SLO	0	8.4	0	0	1.1E2	0.373
6667	8274	Sisma X SLD	7	0	0	0	1.1E2	0.373	6668	8274	Sisma Y SLD	0	7	0	0	1.1E2	0.373
6669	8275	Sisma X SLV	14.2	0	0	0	9.6E1	0.373	6670	8275	Sisma Y SLV	0	14.2	0	0	9.6E1	0.373
6671	8275	Sisma X SLO	7.6	0	0	0	9.6E1	0.373	6672	8275	Sisma Y SLO	0	7.6	0	0	9.6E1	0.373
6673	8275	Sisma X SLD	6.3	0	0	0	9.6E1	0.373	6674	8275	Sisma Y SLD	0	6.3	0	0	9.6E1	0.373
6675	8276	Sisma X SLV	15	0	0	0	1.0E2	0.373	6676	8276	Sisma Y SLV	0	15	0	0	1.0E2	0.373
6677	8276	Sisma X SLO	8	0	0	0	1.0E2	0.373	6678	8276	Sisma Y SLO	0	8	0	0	1.0E2	0.373
6679	8276	Sisma X SLD	6.6	0	0	0	1.0E2	0.373	6680	8276	Sisma Y SLD	0	6.6	0	0	1.0E2	0.373
6681	8277	Sisma X SLV	14.6	0	0	0	9.8E1	0.374	6682	8277	Sisma Y SLV	0	14.6	0	0	9.8E1	0.374
6683	8277	Sisma X SLO	7.8	0	0	0	9.8E1	0.374	6684	8277	Sisma Y SLO	0	7.8	0	0	9.8E1	0.374
6685	8277	Sisma X SLD	6.5	0	0	0	9.8E1	0.374	6686	8277	Sisma Y SLD	0	6.5	0	0	9.8E1	0.374
6687	8278	Sisma X SLV	24.7	0	0	0	1.7E2	0.374	6688	8278	Sisma Y SLV	0	24.7	0	0	1.7E2	0.374
6689	8278	Sisma X SLO	13.1	0	0	0	1.7E2	0.374	6690	8278	Sisma Y SLO	0	13.1	0	0	1.7E2	0.374
6691	8278	Sisma X SLD	10.9	0	0	0	1.7E2	0.374	6692	8278	Sisma Y SLD	0	10.9	0	0	1.7E2	0.374
6693	8279	Sisma X SLV	14.4	0	0	0	9.7E1	0.374	6694	8279	Sisma Y SLV	0	14.4	0	0	9.7E1	0.374
6695	8279	Sisma X SLO	7.7	0	0	0	9.7E1	0.374	6696	8279	Sisma Y SLO	0	7.7	0	0	9.7E1	0.374
6697	8279	Sisma X SLD	6.4	0	0	0	9.7E1	0.374	6698	8279	Sisma Y SLD	0	6.4	0	0	9.7E1	0.374
6699	8280	Sisma X SLV	10.9	0	0	0	7.3E1	0.374	6700	8280	Sisma Y SLV	0	10.9	0	0	7.3E1	0.374
6701	8280	Sisma X SLO	5.8	0	0	0	7.3E1	0.374	6702	8280	Sisma Y SLO	0	5.8	0	0	7.3E1	0.374
6703	8280	Sisma X SLD	4.8	0	0	0	7.3E1	0.374	6704	8280	Sisma Y SLD	0	4.8	0	0	7.3E1	0.374
6705	8281	Sisma X SLV	14.1	0	0	0	9.4E1	0.374	6706	8281	Sisma Y SLV	0	14.1	0	0	9.4E1	0.374
6707	8281	Sisma X SLO	7.5	0	0	0	9.4E1	0.374	6708	8281	Sisma Y SLO	0	7.5	0	0	9.4E1	0.374
6709	8281	Sisma X SLD	6.2	0	0	0	9.4E1	0.374	6710	8281	Sisma Y SLD	0	6.2	0	0	9.4E1	0.374
6711	8282	Sisma X SLV	14.8	0	0	0	9.9E1	0.374	6712	8282	Sisma Y SLV	0	14.8	0	0	9.9E1	0.374

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
6713	8282	Sisma X SLO	7.9	0	0	0	9.9E1	0.374	6714	8282	Sisma Y SLO	0	7.9	0	0	9.9E1	0.374
6715	8282	Sisma X SLD	6.6	0	0	0	9.9E1	0.374	6716	8282	Sisma Y SLD	0	6.6	0	0	9.9E1	0.374
6717	8283	Sisma X SLV	24.5	0	0	0	1.6E2	0.374	6718	8283	Sisma Y SLV	0	24.5	0	0	1.6E2	0.374
6719	8283	Sisma X SLO	13.1	0	0	0	1.6E2	0.374	6720	8283	Sisma Y SLO	0	13.1	0	0	1.6E2	0.374
6721	8283	Sisma X SLD	10.9	0	0	0	1.6E2	0.374	6722	8283	Sisma Y SLD	0	10.9	0	0	1.6E2	0.374
6723	8284	Sisma X SLV	14	0	0	0	9.3E1	0.375	6724	8284	Sisma Y SLV	0	14	0	0	9.3E1	0.375
6725	8284	Sisma X SLO	7.5	0	0	0	9.3E1	0.375	6726	8284	Sisma Y SLO	0	7.5	0	0	9.3E1	0.375
6727	8284	Sisma X SLD	6.2	0	0	0	9.3E1	0.375	6728	8284	Sisma Y SLD	0	6.2	0	0	9.3E1	0.375
6729	8285	Sisma X SLV	14	0	0	0	9.4E1	0.375	6730	8285	Sisma Y SLV	0	14	0	0	9.4E1	0.375
6731	8285	Sisma X SLO	7.5	0	0	0	9.4E1	0.375	6732	8285	Sisma Y SLO	0	7.5	0	0	9.4E1	0.375
6733	8285	Sisma X SLD	6.2	0	0	0	9.4E1	0.375	6734	8285	Sisma Y SLD	0	6.2	0	0	9.4E1	0.375
6735	8286	Sisma X SLV	16.8	0	0	0	1.1E2	0.375	6736	8286	Sisma Y SLV	0	16.8	0	0	1.1E2	0.375
6737	8286	Sisma X SLO	9	0	0	0	1.1E2	0.375	6738	8286	Sisma Y SLO	0	9	0	0	1.1E2	0.375
6739	8286	Sisma X SLD	7.4	0	0	0	1.1E2	0.375	6740	8286	Sisma Y SLD	0	7.4	0	0	1.1E2	0.375
6741	8287	Sisma X SLV	20.9	0	0	0	1.4E2	0.375	6742	8287	Sisma Y SLV	0	20.9	0	0	1.4E2	0.375
6743	8287	Sisma X SLO	11.1	0	0	0	1.4E2	0.375	6744	8287	Sisma Y SLO	0	11.1	0	0	1.4E2	0.375
6745	8287	Sisma X SLD	9.3	0	0	0	1.4E2	0.375	6746	8287	Sisma Y SLD	0	9.3	0	0	1.4E2	0.375
6747	8288	Sisma X SLV	29.6	0	0	0	2.0E2	0.375	6748	8288	Sisma Y SLV	0	29.6	0	0	2.0E2	0.375
6749	8288	Sisma X SLO	15.8	0	0	0	2.0E2	0.375	6750	8288	Sisma Y SLO	0	15.8	0	0	2.0E2	0.375
6751	8288	Sisma X SLD	13.1	0	0	0	2.0E2	0.375	6752	8288	Sisma Y SLD	0	13.1	0	0	2.0E2	0.375
6753	8289	Sisma X SLV	24.5	0	0	0	1.6E2	0.375	6754	8289	Sisma Y SLV	0	24.5	0	0	1.6E2	0.375
6755	8289	Sisma X SLO	13	0	0	0	1.6E2	0.375	6756	8289	Sisma Y SLO	0	13	0	0	1.6E2	0.375
6757	8289	Sisma X SLD	10.8	0	0	0	1.6E2	0.375	6758	8289	Sisma Y SLD	0	10.8	0	0	1.6E2	0.375
6759	8290	Sisma X SLV	16.4	0	0	0	1.1E2	0.375	6760	8290	Sisma Y SLV	0	16.4	0	0	1.1E2	0.375
6761	8290	Sisma X SLO	8.8	0	0	0	1.1E2	0.375	6762	8290	Sisma Y SLO	0	8.8	0	0	1.1E2	0.375
6763	8290	Sisma X SLD	7.3	0	0	0	1.1E2	0.375	6764	8290	Sisma Y SLD	0	7.3	0	0	1.1E2	0.375
6765	8291	Sisma X SLV	24.5	0	0	0	1.6E2	0.375	6766	8291	Sisma Y SLV	0	24.5	0	0	1.6E2	0.375
6767	8291	Sisma X SLO	13	0	0	0	1.6E2	0.375	6768	8291	Sisma Y SLO	0	13	0	0	1.6E2	0.375
6769	8291	Sisma X SLD	10.8	0	0	0	1.6E2	0.375	6770	8291	Sisma Y SLD	0	10.8	0	0	1.6E2	0.375
6771	8292	Sisma X SLV	11.1	0	0	0	7.4E1	0.376	6772	8292	Sisma Y SLV	0	11.1	0	0	7.4E1	0.376
6773	8292	Sisma X SLO	5.9	0	0	0	7.4E1	0.376	6774	8292	Sisma Y SLO	0	5.9	0	0	7.4E1	0.376
6775	8292	Sisma X SLD	4.9	0	0	0	7.4E1	0.376	6776	8292	Sisma Y SLD	0	4.9	0	0	7.4E1	0.376
6777	8293	Sisma X SLV	29.1	0	0	0	1.9E2	0.376	6778	8293	Sisma Y SLV	0	29.1	0	0	1.9E2	0.376
6779	8293	Sisma X SLO	15.5	0	0	0	1.9E2	0.376	6780	8293	Sisma Y SLO	0	15.5	0	0	1.9E2	0.376
6781	8293	Sisma X SLD	12.9	0	0	0	1.9E2	0.376	6782	8293	Sisma Y SLD	0	12.9	0	0	1.9E2	0.376
6783	8294	Sisma X SLV	16.9	0	0	0	1.1E2	0.376	6784	8294	Sisma Y SLV	0	16.9	0	0	1.1E2	0.376
6785	8294	Sisma X SLO	9	0	0	0	1.1E2	0.376	6786	8294	Sisma Y SLO	0	9	0	0	1.1E2	0.376
6787	8294	Sisma X SLD	7.5	0	0	0	1.1E2	0.376	6788	8294	Sisma Y SLD	0	7.5	0	0	1.1E2	0.376
6789	8295	Sisma X SLV	11.8	0	0	0	7.9E1	0.376	6790	8295	Sisma Y SLV	0	11.8	0	0	7.9E1	0.376
6791	8295	Sisma X SLO	6.3	0	0	0	7.9E1	0.376	6792	8295	Sisma Y SLO	0	6.3	0	0	7.9E1	0.376
6793	8295	Sisma X SLD	5.2	0	0	0	7.9E1	0.376	6794	8295	Sisma Y SLD	0	5.2	0	0	7.9E1	0.376
6795	8296	Sisma X SLV	25.4	0	0	0	1.7E2	0.376	6796	8296	Sisma Y SLV	0	25.4	0	0	1.7E2	0.376
6797	8296	Sisma X SLO	13.6	0	0	0	1.7E2	0.376	6798	8296	Sisma Y SLO	0	13.6	0	0	1.7E2	0.376
6799	8296	Sisma X SLD	11.3	0	0	0	1.7E2	0.376	6800	8296	Sisma Y SLD	0	11.3	0	0	1.7E2	0.376
6801	8297	Sisma X SLV	15.8	0	0	0	1.0E2	0.376	6802	8297	Sisma Y SLV	0	15.8	0	0	1.0E2	0.376
6803	8297	Sisma X SLO	8.4	0	0	0	1.0E2	0.376	6804	8297	Sisma Y SLO	0	8.4	0	0	1.0E2	0.376
6805	8297	Sisma X SLD	7	0	0	0	1.0E2	0.376	6806	8297	Sisma Y SLD	0	7	0	0	1.0E2	0.376
6807	8298	Sisma X SLV	7.9	0	0	0	5.2E1	0.376	6808	8298	Sisma Y SLV	0	7.9	0	0	5.2E1	0.376
6809	8298	Sisma X SLO	4.2	0	0	0	5.2E1	0.376	6810	8298	Sisma Y SLO	0	4.2	0	0	5.2E1	0.376
6811	8298	Sisma X SLD	3.5	0	0	0	5.2E1	0.376	6812	8298	Sisma Y SLD	0	3.5	0	0	5.2E1	0.376
6813	8299	Sisma X SLV	9.9	0	0	0	6.6E1	0.376	6814	8299	Sisma Y SLV	0	9.9	0	0	6.6E1	0.376
6815	8299	Sisma X SLO	5.3	0	0	0	6.6E1	0.376	6816	8299	Sisma Y SLO	0	5.3	0	0	6.6E1	0.376
6817	8299	Sisma X SLD	4.4	0	0	0	6.6E1	0.376	6818	8299	Sisma Y SLD	0	4.4	0	0	6.6E1	0.376
6819	8300	Sisma X SLV	8.3	0	0	0	5.5E1	0.376	6820	8300	Sisma Y SLV	0	8.3	0	0	5.5E1	0.376
6821	8300	Sisma X SLO	4.4	0	0	0	5.5E1	0.376	6822	8300	Sisma Y SLO	0	4.4	0	0	5.5E1	0.376
6823	8300	Sisma X SLD	3.7	0	0	0	5.5E1	0.376	6824	8300	Sisma Y SLD	0	3.7	0	0	5.5E1	0.376
6825	8301	Sisma X SLV	7.3	0	0	0	4.9E1	0.376	6826	8301	Sisma Y SLV	0	7.3	0	0	4.9E1	0.376
6827	8301	Sisma X SLO	3.9	0	0	0	4.9E1	0.376	6828	8301	Sisma Y SLO	0	3.9	0	0	4.9E1	0.376
6829	8301	Sisma X SLD	3.2	0	0	0	4.9E1	0.376	6830	8301	Sisma Y SLD	0	3.2	0	0	4.9E1	0.376
6831	8302	Sisma X SLV	7	0	0	0	4.7E1	0.376	6832	8302	Sisma Y SLV	0	7	0	0	4.7E1	0.376
6833	8302	Sisma X SLO	3.7	0	0	0	4.7E1	0.376	6834	8302	Sisma Y SLO	0	3.7	0	0	4.7E1	0.376
6835	8302	Sisma X SLD	3.1	0	0	0	4.7E1	0.376	6836	8302	Sisma Y SLD	0	3.1	0	0	4.7E1	0.376
6837	8303	Sisma X SLV	9.4	0	0	0	62.27	0.376	6838	8303	Sisma Y SLV	0	9.4	0	0	62.27	0.376
6839	8303	Sisma X SLO	5	0	0	0	62.27	0.376	6840	8303	Sisma Y SLO	0	5	0	0	62.27	0.376
6841	8303	Sisma X SLD	4.1	0	0	0	62.27	0.376	6842	8303	Sisma Y SLD	0	4.1	0	0	62.27	0.376
6843	8304	Sisma X SLV	9.2	0	0	0	6.1E1	0.376	6844	8304	Sisma Y SLV	0	9.2	0	0	6.1E1	0.376
6845	8304	Sisma X SLO	4.9	0	0	0	6.1E1	0.376	6846	8304	Sisma Y SLO	0	4.9	0	0	6.1E1	0.376
6847	8304	Sisma X SLD	4.1	0	0	0	6.1E1	0.376	6848	8304	Sisma Y SLD	0	4.1	0	0	6.1E1	0.376
6849	8305	Sisma X SLV	7.9	0	0	0	52.57	0.376	6850	8305	Sisma Y SLV	0	7.9	0	0	52.57	0.376
6851	8305	Sisma X SLO	4.2	0	0	0	52.57	0.376	6852	8305	Sisma Y SLO	0	4.2	0	0	52.57	0.376
6853	8305	Sisma X SLD	3.5	0	0	0	52.57	0.376	6854	8305	Sisma Y SLD	0	3.5	0	0	52.57	0.376
6855	8306	Sisma X SLV	9.3	0	0	0	6.2E1	0.376	6856	8306	Sisma Y SLV	0	9.3	0	0	6.2E1	0.376
6857	8306	Sisma X SLO	4.9	0	0	0	6.2E1	0.376	6858	8306	Sisma Y SLO	0	4.9	0	0	6.2E1	0.376
6859	8306	Sisma X SLD	4.1	0	0	0	6.2E1	0.376	6860	8306	Sisma Y SLD	0	4.1	0	0	6.2E1	0.376
6861	8307	Sisma X SLV	7.2	0	0	0	48.17	0.376	6862	8307	Sisma Y SLV	0	7.2	0	0	48.17	0.376
6863	8307	Sisma X SLO	3.9	0	0	0	48.17	0.376	6864	8307	Sisma Y SLO	0	3.9	0	0	48.17	0.376
6865	8307	Sisma X SLD	3.2	0	0	0	48.17	0.376	6866	8307	Sisma Y SLD	0	3.2	0	0	48.17	0.376
6867	8308	Sisma X SLV	7.2	0	0	0	4.8E1	0.376	6868	8308	Sisma Y SLV	0	7.2	0	0	4.8E1	0.376
6869	8308	Sisma X SLO	3.8	0	0	0	4.8E1	0.376	6870	8308	Sisma Y SLO	0	3.8	0	0	4.8E1	0.376
6871	8308	Sisma X SLD	3.2	0	0	0	4.8E1	0.376	6872	8308	Sisma Y SLD	0	3.2	0	0	4.8E1	0.376
6873	8309	Sisma X SLV	10	0	0	0	6.6E1	0.376	6874	8309	Sisma Y SLV	0	10	0	0	6.6E1	0.376
6875	8309	Sisma X SLO	5.3	0	0	0	6.6E1	0.376	6876	8309	Sisma Y SLO	0	5.3	0	0	6.6E1	0.376
6877	8309	Sisma X SLD	4.4	0	0	0	6.6E1	0.376	6878	8309	Sisma Y SLD	0	4.4	0	0	6.6E1	0.376
6879	8310	Sisma X SLV	8.2	0	0	0	5.5E1	0.376	6880	8310	Sisma Y SLV	0	8.2	0	0	5.5E1	0.376
6881	8310	Sisma X SLO	4.4	0	0	0	5.5E1	0.376	6882	8310	Sisma Y SLO	0	4.4	0	0	5.5E1	0.376
6883	8310	Sisma X SLD	3.6	0	0	0	5.5E1	0.376	6884	8310	Sisma Y SLD	0	3.6	0	0	5.5E1	0.376
6885	8311	Sisma X SLV	7	0	0	0	4.7E1	0.376	6886	8311	Sisma Y SLV	0	7	0	0	4.7E1	0.376
6887	8311	Sisma X SLO	3.8	0	0	0	4.7E1	0.376	6888	8311	Sisma Y SLO	0	3.8	0	0	4.7E1	0.376
6889	8311	Sisma X SLD	3.1	0	0	0	4.7E1	0.376	6890	8311	Sisma Y SLD	0	3.1	0	0	4.7E1	0.376
6891	8312	Sisma X SLV	8.1	0	0	0	5.4E1	0.376	6892	8312	Sisma Y SLV	0	8.1	0	0	5.4E1	0.376
6893	8312	Sisma X SLO	4.3	0	0	0	5.4E1	0.376	6894	8312	Sisma Y SLO	0	4.3	0	0	5.4E1	0.376
6895	8312	Sisma X SLD	3.6	0	0	0	5.4E1	0.376	6896	8312	Sisma Y SLD	0	3.6	0	0	5.4E1	0.376
6897	8313	Sisma X SLV	15.5	0	0	0	1.0E2	0.376	6898	8313	Sisma Y SLV	0	15.5	0	0	1.0E2	0.376
6899	8313	Sisma X SLO	8.3	0	0	0	1.0E2	0.376	6900	8313	Sisma Y SLO	0	8.3	0	0	1.0E2	0.376
6901	8313	Sisma X SLD	6.9	0	0	0	1.0E2	0.376	6902	8313	Sisma Y SLD	0	6.9	0	0	1.0E2	0.376
6903	8314	Sisma X SLV	11	0	0	0	7.3E1	0.376	6904	8314	Sisma Y SLV	0	11	0	0	7.3E1	0.376
6905	8314	Sisma X SLO	5.9	0	0	0	7.3E1	0.376	6906	8314	Sisma Y SLO	0	5.9	0	0	7.3E1	0.376
6907	8314	Sisma X SLD	4.9	0	0	0	7.3E1	0.376	6908	8314	Sisma Y SLD	0	4.9	0	0	7.3E1	0.376
6909	8315	Sisma X SLV	7	0	0	0	4.6E1	0.376	6910	8315	Sisma Y SLV	0	7	0	0	4.6E1	0.376
6911	8315	Sisma X SLO	3.7	0	0	0	4.6E1	0.376	6912	8315	Sisma Y SLO	0	3.7	0	0	4.6E1	0.376

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
6913	8315	Sisma X SLD	3.1	0	0	0	4.6E1	0.376	6914	8315	Sisma Y SLD	0	3.1	0	0	4.6E1	0.376
6915	8316	Sisma X SLV	7	0	0	0	4.7E1	0.376	6916	8316	Sisma Y SLV	0	7	0	0	4.7E1	0.376
6917	8316	Sisma X SLO	3.8	0	0	0	4.7E1	0.376	6918	8316	Sisma Y SLO	0	3.8	0	0	4.7E1	0.376
6919	8316	Sisma X SLD	3.1	0	0	0	4.7E1	0.376	6920	8316	Sisma Y SLD	0	3.1	0	0	4.7E1	0.376
6921	8317	Sisma X SLV	8.2	0	0	0	54.67	0.376	6922	8317	Sisma Y SLV	0	8.2	0	0	54.67	0.376
6923	8317	Sisma X SLO	4.4	0	0	0	54.67	0.376	6924	8317	Sisma Y SLO	0	4.4	0	0	54.67	0.376
6925	8317	Sisma X SLD	3.6	0	0	0	54.67	0.376	6926	8317	Sisma Y SLD	0	3.6	0	0	54.67	0.376
6927	8318	Sisma X SLV	8.6	0	0	0	5.7E1	0.376	6928	8318	Sisma Y SLV	0	8.6	0	0	5.7E1	0.376
6929	8318	Sisma X SLO	4.6	0	0	0	5.7E1	0.376	6930	8318	Sisma Y SLO	0	4.6	0	0	5.7E1	0.376
6931	8318	Sisma X SLD	3.8	0	0	0	5.7E1	0.376	6932	8318	Sisma Y SLD	0	3.8	0	0	5.7E1	0.376
6933	8319	Sisma X SLV	9.6	0	0	0	64.1	0.376	6934	8319	Sisma Y SLV	0	9.6	0	0	64.1	0.376
6935	8319	Sisma X SLO	5.1	0	0	0	64.1	0.376	6936	8319	Sisma Y SLO	0	5.1	0	0	64.1	0.376
6937	8319	Sisma X SLD	4.3	0	0	0	64.1	0.376	6938	8319	Sisma Y SLD	0	4.3	0	0	64.1	0.376
6939	8320	Sisma X SLV	9.8	0	0	0	6.5E1	0.376	6940	8320	Sisma Y SLV	0	9.8	0	0	6.5E1	0.376
6941	8320	Sisma X SLO	5.2	0	0	0	6.5E1	0.376	6942	8320	Sisma Y SLO	0	5.2	0	0	6.5E1	0.376
6943	8320	Sisma X SLD	4.3	0	0	0	6.5E1	0.376	6944	8320	Sisma Y SLD	0	4.3	0	0	6.5E1	0.376
6945	8321	Sisma X SLV	6.9	0	0	0	4.6E1	0.376	6946	8321	Sisma Y SLV	0	6.9	0	0	4.6E1	0.376
6947	8321	Sisma X SLO	3.7	0	0	0	4.6E1	0.376	6948	8321	Sisma Y SLO	0	3.7	0	0	4.6E1	0.376
6949	8321	Sisma X SLD	3.1	0	0	0	4.6E1	0.376	6950	8321	Sisma Y SLD	0	3.1	0	0	4.6E1	0.376
6951	8322	Sisma X SLV	7	0	0	0	4.7E1	0.376	6952	8322	Sisma Y SLV	0	7	0	0	4.7E1	0.376
6953	8322	Sisma X SLO	3.7	0	0	0	4.7E1	0.376	6954	8322	Sisma Y SLO	0	3.7	0	0	4.7E1	0.376
6955	8322	Sisma X SLD	3.1	0	0	0	4.7E1	0.376	6956	8322	Sisma Y SLD	0	3.1	0	0	4.7E1	0.376
6957	8323	Sisma X SLV	7.5	0	0	0	49.67	0.376	6958	8323	Sisma Y SLV	0	7.5	0	0	49.67	0.376
6959	8323	Sisma X SLO	4	0	0	0	49.67	0.376	6960	8323	Sisma Y SLO	0	4	0	0	49.67	0.376
6961	8323	Sisma X SLD	3.3	0	0	0	49.67	0.376	6962	8323	Sisma Y SLD	0	3.3	0	0	49.67	0.376
6963	8324	Sisma X SLV	7.2	0	0	0	4.8E1	0.376	6964	8324	Sisma Y SLV	0	7.2	0	0	4.8E1	0.376
6965	8324	Sisma X SLO	3.8	0	0	0	4.8E1	0.376	6966	8324	Sisma Y SLO	0	3.8	0	0	4.8E1	0.376
6967	8324	Sisma X SLD	3.2	0	0	0	4.8E1	0.376	6968	8324	Sisma Y SLD	0	3.2	0	0	4.8E1	0.376
6969	8325	Sisma X SLV	10.2	0	0	0	6.8E1	0.376	6970	8325	Sisma Y SLV	0	10.2	0	0	6.8E1	0.376
6971	8325	Sisma X SLO	5.4	0	0	0	6.8E1	0.376	6972	8325	Sisma Y SLO	0	5.4	0	0	6.8E1	0.376
6973	8325	Sisma X SLD	4.5	0	0	0	6.8E1	0.376	6974	8325	Sisma Y SLD	0	4.5	0	0	6.8E1	0.376
6975	8326	Sisma X SLV	10.5	0	0	0	7.0E1	0.376	6976	8326	Sisma Y SLV	0	10.5	0	0	7.0E1	0.376
6977	8326	Sisma X SLO	5.6	0	0	0	7.0E1	0.376	6978	8326	Sisma Y SLO	0	5.6	0	0	7.0E1	0.376
6979	8326	Sisma X SLD	4.7	0	0	0	7.0E1	0.376	6980	8326	Sisma Y SLD	0	4.7	0	0	7.0E1	0.376
6981	8327	Sisma X SLV	8.4	0	0	0	55.79	0.376	6982	8327	Sisma Y SLV	0	8.4	0	0	55.79	0.376
6983	8327	Sisma X SLO	4.5	0	0	0	55.79	0.376	6984	8327	Sisma Y SLO	0	4.5	0	0	55.79	0.376
6985	8327	Sisma X SLD	3.7	0	0	0	55.79	0.376	6986	8327	Sisma Y SLD	0	3.7	0	0	55.79	0.376
6987	8328	Sisma X SLV	8.4	0	0	0	5.6E1	0.376	6988	8328	Sisma Y SLV	0	8.4	0	0	5.6E1	0.376
6989	8328	Sisma X SLO	4.5	0	0	0	5.6E1	0.376	6990	8328	Sisma Y SLO	0	4.5	0	0	5.6E1	0.376
6991	8328	Sisma X SLD	3.7	0	0	0	5.6E1	0.376	6992	8328	Sisma Y SLD	0	3.7	0	0	5.6E1	0.376
6993	8329	Sisma X SLV	7.7	0	0	0	5.1E1	0.376	6994	8329	Sisma Y SLV	0	7.7	0	0	5.1E1	0.376
6995	8329	Sisma X SLO	4.1	0	0	0	5.1E1	0.376	6996	8329	Sisma Y SLO	0	4.1	0	0	5.1E1	0.376
6997	8329	Sisma X SLD	3.4	0	0	0	5.1E1	0.376	6998	8329	Sisma Y SLD	0	3.4	0	0	5.1E1	0.376
6999	8330	Sisma X SLV	9.5	0	0	0	6.3E1	0.376	7000	8330	Sisma Y SLV	0	9.5	0	0	6.3E1	0.376
7001	8330	Sisma X SLO	5.1	0	0	0	6.3E1	0.376	7002	8330	Sisma Y SLO	0	5.1	0	0	6.3E1	0.376
7003	8330	Sisma X SLD	4.2	0	0	0	6.3E1	0.376	7004	8330	Sisma Y SLD	0	4.2	0	0	6.3E1	0.376
7005	8331	Sisma X SLV	7.3	0	0	0	48.66	0.376	7006	8331	Sisma Y SLV	0	7.3	0	0	48.66	0.376
7007	8331	Sisma X SLO	3.9	0	0	0	48.66	0.376	7008	8331	Sisma Y SLO	0	3.9	0	0	48.66	0.376
7009	8331	Sisma X SLD	3.2	0	0	0	48.66	0.376	7010	8331	Sisma Y SLD	0	3.2	0	0	48.66	0.376
7011	8332	Sisma X SLV	16.4	0	0	0	1.1E2	0.376	7012	8332	Sisma Y SLV	0	16.4	0	0	1.1E2	0.376
7013	8332	Sisma X SLO	8.8	0	0	0	1.1E2	0.376	7014	8332	Sisma Y SLO	0	8.8	0	0	1.1E2	0.376
7015	8332	Sisma X SLD	7.3	0	0	0	1.1E2	0.376	7016	8332	Sisma Y SLD	0	7.3	0	0	1.1E2	0.376
7017	8333	Sisma X SLV	17.5	0	0	0	1.2E2	0.376	7018	8333	Sisma Y SLV	0	17.5	0	0	1.2E2	0.376
7019	8333	Sisma X SLO	9.3	0	0	0	1.2E2	0.376	7020	8333	Sisma Y SLO	0	9.3	0	0	1.2E2	0.376
7021	8333	Sisma X SLD	7.7	0	0	0	1.2E2	0.376	7022	8333	Sisma Y SLD	0	7.7	0	0	1.2E2	0.376
7023	8334	Sisma X SLV	35	0	0	0	2.3E2	0.377	7024	8334	Sisma Y SLV	0	35	0	0	2.3E2	0.377
7025	8334	Sisma X SLO	18.6	0	0	0	2.3E2	0.377	7026	8334	Sisma Y SLO	0	18.6	0	0	2.3E2	0.377
7027	8334	Sisma X SLD	15.5	0	0	0	2.3E2	0.377	7028	8334	Sisma Y SLD	0	15.5	0	0	2.3E2	0.377
7029	8335	Sisma X SLV	23.5	0	0	0	156.2	0.377	7030	8335	Sisma Y SLV	0	23.5	0	0	156.2	0.377
7031	8335	Sisma X SLO	12.5	0	0	0	156.2	0.377	7032	8335	Sisma Y SLO	0	12.5	0	0	156.2	0.377
7033	8335	Sisma X SLD	10.4	0	0	0	156.2	0.377	7034	8335	Sisma Y SLD	0	10.4	0	0	156.2	0.377
7035	8336	Sisma X SLV	20.3	0	0	0	1.3E2	0.377	7036	8336	Sisma Y SLV	0	20.3	0	0	1.3E2	0.377
7037	8336	Sisma X SLO	10.8	0	0	0	1.3E2	0.377	7038	8336	Sisma Y SLO	0	10.8	0	0	1.3E2	0.377
7039	8336	Sisma X SLD	9	0	0	0	1.3E2	0.377	7040	8336	Sisma Y SLD	0	9	0	0	1.3E2	0.377
7041	8337	Sisma X SLV	34.6	0	0	0	2.3E2	0.378	7042	8337	Sisma Y SLV	0	34.6	0	0	2.3E2	0.378
7043	8337	Sisma X SLO	18.5	0	0	0	2.3E2	0.378	7044	8337	Sisma Y SLO	0	18.5	0	0	2.3E2	0.378
7045	8337	Sisma X SLD	15.3	0	0	0	2.3E2	0.378	7046	8337	Sisma Y SLD	0	15.3	0	0	2.3E2	0.378
7047	8338	Sisma X SLV	23.4	0	0	0	1.5E2	0.378	7048	8338	Sisma Y SLV	0	23.4	0	0	1.5E2	0.378
7049	8338	Sisma X SLO	12.5	0	0	0	1.5E2	0.378	7050	8338	Sisma Y SLO	0	12.5	0	0	1.5E2	0.378
7051	8338	Sisma X SLD	10.4	0	0	0	1.5E2	0.378	7052	8338	Sisma Y SLD	0	10.4	0	0	1.5E2	0.378
7053	8339	Sisma X SLV	11.5	0	0	0	7.6E1	0.378	7054	8339	Sisma Y SLV	0	11.5	0	0	7.6E1	0.378
7055	8339	Sisma X SLO	6.1	0	0	0	7.6E1	0.378	7056	8339	Sisma Y SLO	0	6.1	0	0	7.6E1	0.378
7057	8339	Sisma X SLD	5.1	0	0	0	7.6E1	0.378	7058	8339	Sisma Y SLD	0	5.1	0	0	7.6E1	0.378
7059	8340	Sisma X SLV	31.1	0	0	0	2.1E2	0.379	7060	8340	Sisma Y SLV	0	31.1	0	0	2.1E2	0.379
7061	8340	Sisma X SLO	16.6	0	0	0	2.1E2	0.379	7062	8340	Sisma Y SLO	0	16.6	0	0	2.1E2	0.379
7063	8340	Sisma X SLD	13.7	0	0	0	2.1E2	0.379	7064	8340	Sisma Y SLD	0	13.7	0	0	2.1E2	0.379
7065	8341	Sisma X SLV	14	0	0	0	9.3E1	0.379	7066	8341	Sisma Y SLV	0	14	0	0	9.3E1	0.379
7067	8341	Sisma X SLO	7.5	0	0	0	9.3E1	0.379	7068	8341	Sisma Y SLO	0	7.5	0	0	9.3E1	0.379
7069	8341	Sisma X SLD	6.2	0	0	0	9.3E1	0.379	7070	8341	Sisma Y SLD	0	6.2	0	0	9.3E1	0.379
7071	8342	Sisma X SLV	34.3	0	0	0	2.3E2	0.379	7072	8342	Sisma Y SLV	0	34.3	0	0	2.3E2	0.379
7073	8342	Sisma X SLO	18.3	0	0	0	2.3E2	0.379	7074	8342	Sisma Y SLO	0	18.3	0	0	2.3E2	0.379
7075	8342	Sisma X SLD	15.2	0	0	0	2.3E2	0.379	7076	8342	Sisma Y SLD	0	15.2	0	0	2.3E2	0.379
7077	8343	Sisma X SLV	23.3	0	0	0	1.5E2	0.379	7078	8343	Sisma Y SLV	0	23.3	0	0	1.5E2	0.379
7079	8343	Sisma X SLO	12.4	0	0	0	1.5E2	0.379	7080	8343	Sisma Y SLO	0	12.4	0	0	1.5E2	0.379
7081	8343	Sisma X SLD	10.3	0	0	0	1.5E2	0.379	7082	8343	Sisma Y SLD	0	10.3	0	0	1.5E2	0.379
7083	8344	Sisma X SLV	19.4	0	0	0	1.3E2	0.38	7084	8344	Sisma Y SLV	0	19.4	0	0	1.3E2	0.38
7085	8344	Sisma X SLO	10.3	0	0	0	1.3E2	0.38	7086	8344	Sisma Y SLO	0	10.3	0	0	1.3E2	0.38
7087	8344	Sisma X SLD	8.6	0	0	0	1.3E2	0.38	7088	8344	Sisma Y SLD	0	8.6	0	0	1.3E2	0.38
7089	8345	Sisma X SLV	20.1	0	0	0	1.3E2	0.38	7090	8345	Sisma Y SLV	0	20.1	0	0	1.3E2	0.38
7091	8345	Sisma X SLO	10.7	0	0	0	1.3E2	0.38	7092	8345	Sisma Y SLO	0	10.7	0	0	1.3E2	0.38
7093	8345	Sisma X SLD	8.9	0	0	0	1.3E2	0.38	7094	8345	Sisma Y SLD	0	8.9	0	0	1.3E2	0.38
7095	8346	Sisma X SLV	17.8	0	0	0	1.2E2	0.38	7096	8346	Sisma Y SLV	0	17.8	0	0	1.2E2	0.38
7097	8346	Sisma X SLO	9.5	0	0	0	1.2E2	0.38	7098	8346	Sisma Y SLO	0	9.5	0	0	1.2E2	0.38
7099	8346	Sisma X SLD	7.9	0	0	0	1.2E2	0.38	7100	8346	Sisma Y SLD	0	7.9	0	0	1.2E2	0.38
7101	8347	Sisma X SLV	19.3	0	0	0	1.3E2	0.38	7102	8347	Sisma Y SLV	0	19.3	0	0	1.3E2	0.38
7103	8347	Sisma X SLO	10.3	0	0	0	1.3E2	0.38	7104	8347	Sisma Y SLO	0	10.3	0	0	1.3E2	0.38
7105	8347	Sisma X SLD	8.5	0	0	0	1.3E2	0.38	7106	8347	Sisma Y SLD	0	8.5	0	0	1.3E2	0.38
7107	8348	Sisma X SLV	34.1	0	0	0	2.2E2	0.38	7108	8348	Sisma Y SLV	0	34.1	0	0	2.2E2	0.38
7109	8348	Sisma X SLO	18.2	0	0	0	2.2E2	0.38	7110	8348	Sisma Y SLO	0	18.2	0	0	2.2E2	0.38
7111	8348	Sisma X SLD	15.1	0	0	0	2.2E2	0.38	7112	8348	Sisma Y SLD	0	15.1	0	0	2.2E2	0.38

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
7113	8349	Sisma X SLV	18.1	0	0	0	1.2E2	0.38	7114	8349	Sisma Y SLV	0	18.1	0	0	1.2E2	0.38
7115	8349	Sisma X SLO	9.7	0	0	0	1.2E2	0.38	7116	8349	Sisma Y SLO	0	9.7	0	0	1.2E2	0.38
7117	8349	Sisma X SLD	8	0	0	0	1.2E2	0.38	7118	8349	Sisma Y SLD	0	8	0	0	1.2E2	0.38
7119	8350	Sisma X SLV	23.2	0	0	0	1.5E2	0.38	7120	8350	Sisma Y SLV	0	23.2	0	0	1.5E2	0.38
7121	8350	Sisma X SLO	12.4	0	0	0	1.5E2	0.38	7122	8350	Sisma Y SLO	0	12.4	0	0	1.5E2	0.38
7123	8350	Sisma X SLD	10.3	0	0	0	1.5E2	0.38	7124	8350	Sisma Y SLD	0	10.3	0	0	1.5E2	0.38
7125	8351	Sisma X SLV	30.1	0	0	0	2.0E2	0.381	7126	8351	Sisma Y SLV	0	30.1	0	0	2.0E2	0.381
7127	8351	Sisma X SLO	16.1	0	0	0	2.0E2	0.381	7128	8351	Sisma Y SLO	0	16.1	0	0	2.0E2	0.381
7129	8351	Sisma X SLD	13.3	0	0	0	2.0E2	0.381	7130	8351	Sisma Y SLD	0	13.3	0	0	2.0E2	0.381
7131	8352	Sisma X SLV	28.6	0	0	0	1.9E2	0.381	7132	8352	Sisma Y SLV	0	28.6	0	0	1.9E2	0.381
7133	8352	Sisma X SLO	15.3	0	0	0	1.9E2	0.381	7134	8352	Sisma Y SLO	0	15.3	0	0	1.9E2	0.381
7135	8352	Sisma X SLD	12.7	0	0	0	1.9E2	0.381	7136	8352	Sisma Y SLD	0	12.7	0	0	1.9E2	0.381
7137	8353	Sisma X SLV	27.1	0	0	0	1.8E2	0.381	7138	8353	Sisma Y SLV	0	27.1	0	0	1.8E2	0.381
7139	8353	Sisma X SLO	14.5	0	0	0	1.8E2	0.381	7140	8353	Sisma Y SLO	0	14.5	0	0	1.8E2	0.381
7141	8353	Sisma X SLD	12	0	0	0	1.8E2	0.381	7142	8353	Sisma Y SLD	0	12	0	0	1.8E2	0.381
7143	8354	Sisma X SLV	20.1	0	0	0	1.3E2	0.381	7144	8354	Sisma Y SLV	0	20.1	0	0	1.3E2	0.381
7145	8354	Sisma X SLO	10.7	0	0	0	1.3E2	0.381	7146	8354	Sisma Y SLO	0	10.7	0	0	1.3E2	0.381
7147	8354	Sisma X SLD	8.9	0	0	0	1.3E2	0.381	7148	8354	Sisma Y SLD	0	8.9	0	0	1.3E2	0.381
7149	8355	Sisma X SLV	30.1	0	0	0	2.0E2	0.381	7150	8355	Sisma Y SLV	0	30.1	0	0	2.0E2	0.381
7151	8355	Sisma X SLO	16.1	0	0	0	2.0E2	0.381	7152	8355	Sisma Y SLO	0	16.1	0	0	2.0E2	0.381
7153	8355	Sisma X SLD	13.3	0	0	0	2.0E2	0.381	7154	8355	Sisma Y SLD	0	13.3	0	0	2.0E2	0.381
7155	8356	Sisma X SLV	10.8	0	0	0	70.68	0.381	7156	8356	Sisma Y SLV	0	10.8	0	0	70.68	0.381
7157	8356	Sisma X SLO	5.7	0	0	0	70.68	0.381	7158	8356	Sisma Y SLO	0	5.7	0	0	70.68	0.381
7159	8356	Sisma X SLD	4.8	0	0	0	70.68	0.381	7160	8356	Sisma Y SLD	0	4.8	0	0	70.68	0.381
7161	8357	Sisma X SLV	13.1	0	0	0	8.6E1	0.381	7162	8357	Sisma Y SLV	0	13.1	0	0	8.6E1	0.381
7163	8357	Sisma X SLO	7	0	0	0	8.6E1	0.381	7164	8357	Sisma Y SLO	0	7	0	0	8.6E1	0.381
7165	8357	Sisma X SLD	5.8	0	0	0	8.6E1	0.381	7166	8357	Sisma Y SLD	0	5.8	0	0	8.6E1	0.381
7167	8358	Sisma X SLV	27.7	0	0	0	1.8E2	0.381	7168	8358	Sisma Y SLV	0	27.7	0	0	1.8E2	0.381
7169	8358	Sisma X SLO	14.8	0	0	0	1.8E2	0.381	7170	8358	Sisma Y SLO	0	14.8	0	0	1.8E2	0.381
7171	8358	Sisma X SLD	12.3	0	0	0	1.8E2	0.381	7172	8358	Sisma Y SLD	0	12.3	0	0	1.8E2	0.381
7173	8359	Sisma X SLV	24.7	0	0	0	1.6E2	0.381	7174	8359	Sisma Y SLV	0	24.7	0	0	1.6E2	0.381
7175	8359	Sisma X SLO	13.2	0	0	0	1.6E2	0.381	7176	8359	Sisma Y SLO	0	13.2	0	0	1.6E2	0.381
7177	8359	Sisma X SLD	10.9	0	0	0	1.6E2	0.381	7178	8359	Sisma Y SLD	0	10.9	0	0	1.6E2	0.381
7179	8360	Sisma X SLV	24.6	0	0	0	1.6E2	0.381	7180	8360	Sisma Y SLV	0	24.6	0	0	1.6E2	0.381
7181	8360	Sisma X SLO	13.1	0	0	0	1.6E2	0.381	7182	8360	Sisma Y SLO	0	13.1	0	0	1.6E2	0.381
7183	8360	Sisma X SLD	10.9	0	0	0	1.6E2	0.381	7184	8360	Sisma Y SLD	0	10.9	0	0	1.6E2	0.381
7185	8361	Sisma X SLV	25.6	0	0	0	1.7E2	0.381	7186	8361	Sisma Y SLV	0	25.6	0	0	1.7E2	0.381
7187	8361	Sisma X SLO	13.7	0	0	0	1.7E2	0.381	7188	8361	Sisma Y SLO	0	13.7	0	0	1.7E2	0.381
7189	8361	Sisma X SLD	11.3	0	0	0	1.7E2	0.381	7190	8361	Sisma Y SLD	0	11.3	0	0	1.7E2	0.381
7191	8362	Sisma X SLV	24.5	0	0	0	1.6E2	0.381	7192	8362	Sisma Y SLV	0	24.5	0	0	1.6E2	0.381
7193	8362	Sisma X SLO	13.1	0	0	0	1.6E2	0.381	7194	8362	Sisma Y SLO	0	13.1	0	0	1.6E2	0.381
7195	8362	Sisma X SLD	10.9	0	0	0	1.6E2	0.381	7196	8362	Sisma Y SLD	0	10.9	0	0	1.6E2	0.381
7197	8363	Sisma X SLV	24.4	0	0	0	1.6E2	0.382	7198	8363	Sisma Y SLV	0	24.4	0	0	1.6E2	0.382
7199	8363	Sisma X SLO	13	0	0	0	1.6E2	0.382	7200	8363	Sisma Y SLO	0	13	0	0	1.6E2	0.382
7201	8363	Sisma X SLD	10.8	0	0	0	1.6E2	0.382	7202	8363	Sisma Y SLD	0	10.8	0	0	1.6E2	0.382
7203	8364	Sisma X SLV	24.2	0	0	0	1.6E2	0.382	7204	8364	Sisma Y SLV	0	24.2	0	0	1.6E2	0.382
7205	8364	Sisma X SLO	12.9	0	0	0	1.6E2	0.382	7206	8364	Sisma Y SLO	0	12.9	0	0	1.6E2	0.382
7207	8364	Sisma X SLD	10.7	0	0	0	1.6E2	0.382	7208	8364	Sisma Y SLD	0	10.7	0	0	1.6E2	0.382
7209	8365	Sisma X SLV	25.7	0	0	0	1.7E2	0.382	7210	8365	Sisma Y SLV	0	25.7	0	0	1.7E2	0.382
7211	8365	Sisma X SLO	13.7	0	0	0	1.7E2	0.382	7212	8365	Sisma Y SLO	0	13.7	0	0	1.7E2	0.382
7213	8365	Sisma X SLD	11.4	0	0	0	1.7E2	0.382	7214	8365	Sisma Y SLD	0	11.4	0	0	1.7E2	0.382
7215	8366	Sisma X SLV	24.1	0	0	0	1.6E2	0.382	7216	8366	Sisma Y SLV	0	24.1	0	0	1.6E2	0.382
7217	8366	Sisma X SLO	12.8	0	0	0	1.6E2	0.382	7218	8366	Sisma Y SLO	0	12.8	0	0	1.6E2	0.382
7219	8366	Sisma X SLD	10.6	0	0	0	1.6E2	0.382	7220	8366	Sisma Y SLD	0	10.6	0	0	1.6E2	0.382
7221	8367	Sisma X SLV	23.7	0	0	0	1.5E2	0.382	7222	8367	Sisma Y SLV	0	23.7	0	0	1.5E2	0.382
7223	8367	Sisma X SLO	12.6	0	0	0	1.5E2	0.382	7224	8367	Sisma Y SLO	0	12.6	0	0	1.5E2	0.382
7225	8367	Sisma X SLD	10.5	0	0	0	1.5E2	0.382	7226	8367	Sisma Y SLD	0	10.5	0	0	1.5E2	0.382
7227	8368	Sisma X SLV	23.9	0	0	0	1.6E2	0.382	7228	8368	Sisma Y SLV	0	23.9	0	0	1.6E2	0.382
7229	8368	Sisma X SLO	12.7	0	0	0	1.6E2	0.382	7230	8368	Sisma Y SLO	0	12.7	0	0	1.6E2	0.382
7231	8368	Sisma X SLD	10.6	0	0	0	1.6E2	0.382	7232	8368	Sisma Y SLD	0	10.6	0	0	1.6E2	0.382
7233	8369	Sisma X SLV	23.8	0	0	0	1.6E2	0.382	7234	8369	Sisma Y SLV	0	23.8	0	0	1.6E2	0.382
7235	8369	Sisma X SLO	12.7	0	0	0	1.6E2	0.382	7236	8369	Sisma Y SLO	0	12.7	0	0	1.6E2	0.382
7237	8369	Sisma X SLD	10.5	0	0	0	1.6E2	0.382	7238	8369	Sisma Y SLD	0	10.5	0	0	1.6E2	0.382
7239	8370	Sisma X SLV	25.8	0	0	0	1.7E2	0.382	7240	8370	Sisma Y SLV	0	25.8	0	0	1.7E2	0.382
7241	8370	Sisma X SLO	13.8	0	0	0	1.7E2	0.382	7242	8370	Sisma Y SLO	0	13.8	0	0	1.7E2	0.382
7243	8370	Sisma X SLD	11.4	0	0	0	1.7E2	0.382	7244	8370	Sisma Y SLD	0	11.4	0	0	1.7E2	0.382
7245	8371	Sisma X SLV	23.7	0	0	0	1.6E2	0.382	7246	8371	Sisma Y SLV	0	23.7	0	0	1.6E2	0.382
7247	8371	Sisma X SLO	12.6	0	0	0	1.6E2	0.382	7248	8371	Sisma Y SLO	0	12.6	0	0	1.6E2	0.382
7249	8371	Sisma X SLD	10.5	0	0	0	1.6E2	0.382	7250	8371	Sisma Y SLD	0	10.5	0	0	1.6E2	0.382
7251	8372	Sisma X SLV	23.8	0	0	0	1.6E2	0.382	7252	8372	Sisma Y SLV	0	23.8	0	0	1.6E2	0.382
7253	8372	Sisma X SLO	12.7	0	0	0	1.6E2	0.382	7254	8372	Sisma Y SLO	0	12.7	0	0	1.6E2	0.382
7255	8372	Sisma X SLD	10.5	0	0	0	1.6E2	0.382	7256	8372	Sisma Y SLD	0	10.5	0	0	1.6E2	0.382
7257	8373	Sisma X SLV	24	0	0	0	1.6E2	0.382	7258	8373	Sisma Y SLV	0	24	0	0	1.6E2	0.382
7259	8373	Sisma X SLO	12.8	0	0	0	1.6E2	0.382	7260	8373	Sisma Y SLO	0	12.8	0	0	1.6E2	0.382
7261	8373	Sisma X SLD	10.6	0	0	0	1.6E2	0.382	7262	8373	Sisma Y SLD	0	10.6	0	0	1.6E2	0.382
7263	8374	Sisma X SLV	19.4	0	0	0	1.3E2	0.382	7264	8374	Sisma Y SLV	0	19.4	0	0	1.3E2	0.382
7265	8374	Sisma X SLO	10.3	0	0	0	1.3E2	0.382	7266	8374	Sisma Y SLO	0	10.3	0	0	1.3E2	0.382
7267	8374	Sisma X SLD	8.6	0	0	0	1.3E2	0.382	7268	8374	Sisma Y SLD	0	8.6	0	0	1.3E2	0.382
7269	8375	Sisma X SLV	25.9	0	0	0	1.7E2	0.382	7270	8375	Sisma Y SLV	0	25.9	0	0	1.7E2	0.382
7271	8375	Sisma X SLO	13.8	0	0	0	1.7E2	0.382	7272	8375	Sisma Y SLO	0	13.8	0	0	1.7E2	0.382
7273	8375	Sisma X SLD	11.5	0	0	0	1.7E2	0.382	7274	8375	Sisma Y SLD	0	11.5	0	0	1.7E2	0.382
7275	8376	Sisma X SLV	24.3	0	0	0	1.6E2	0.382	7276	8376	Sisma Y SLV	0	24.3	0	0	1.6E2	0.382
7277	8376	Sisma X SLO	12.9	0	0	0	1.6E2	0.382	7278	8376	Sisma Y SLO	0	12.9	0	0	1.6E2	0.382
7279	8376	Sisma X SLD	10.7	0	0	0	1.6E2	0.382	7280	8376	Sisma Y SLD	0	10.7	0	0	1.6E2	0.382
7281	8377	Sisma X SLV	24.6	0	0	0	1.6E2	0.383	7282	8377	Sisma Y SLV	0	24.6	0	0	1.6E2	0.383
7283	8377	Sisma X SLO	13.1	0	0	0	1.6E2	0.383	7284	8377	Sisma Y SLO	0	13.1	0	0	1.6E2	0.383
7285	8377	Sisma X SLD	10.9	0	0	0	1.6E2	0.383	7286	8377	Sisma Y SLD	0	10.9	0	0	1.6E2	0.383
7287	8378	Sisma X SLV	19.6	0	0	0	1.3E2	0.383	7288	8378	Sisma Y SLV	0	19.6	0	0	1.3E2	0.383
7289	8378	Sisma X SLO	10.4	0	0	0	1.3E2	0.383	7290	8378	Sisma Y SLO	0	10.4	0	0	1.3E2	0.383
7291	8378	Sisma X SLD	8.7	0	0	0	1.3E2	0.383	7292	8378	Sisma Y SLD	0	8.7	0	0	1.3E2	0.383
7293	8379	Sisma X SLV	24.9	0	0	0	1.6E2	0.383	7294	8379	Sisma Y SLV	0	24.9	0	0	1.6E2	0.383
7295	8379	Sisma X SLO	13.3	0	0	0	1.6E2	0.383	7296	8379	Sisma Y SLO	0	13.3	0	0	1.6E2	0.383
7297	8379	Sisma X SLD	11	0	0	0	1.6E2	0.383	7298	8379	Sisma Y SLD	0	11	0	0	1.6E2	0.383
7299	8380	Sisma X SLV	26	0	0	0	1.7E2	0.383	7300	8380	Sisma Y SLV	0	26	0	0	1.7E2	0.383
7301	8380	Sisma X SLO	13.9	0	0	0	1.7E2	0.383	7302	8380	Sisma Y SLO	0	13.9	0	0	1.7E2	0.383
7303	8380	Sisma X SLD	11.5	0	0	0	1.7E2	0.383	7304	8380	Sisma Y SLD	0	11.5	0	0	1.7E2	0.383
7305	8381	Sisma X SLV	25.1	0	0	0	1.6E2	0.383	7306	8381	Sisma Y SLV	0	25.1	0	0	1.6E2	0.383
7307	8381	Sisma X SLO	13.4	0	0	0	1.6E2	0.383	7308	8381	Sisma Y SLO	0	13.4	0	0	1.6E2	0.383
7309	8381	Sisma X SLD	11.1	0	0	0	1.6E2	0.383	7310	8381	Sisma Y SLD	0	11.1	0	0	1.6E2	0.383
7311	8382	Sisma X SLV	26.1	0	0	0	1.7E2	0.383	7312	8382	Sisma Y SLV	0	26.1	0	0	1.7E2	0.383

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
7313	8382	Sisma X SLO	13.9	0	0	0	1.7E2	0.383	7314	8382	Sisma Y SLO	0	13.9	0	0	1.7E2	0.383
7315	8382	Sisma X SLD	11.5	0	0	0	1.7E2	0.383	7316	8382	Sisma Y SLD	0	11.5	0	0	1.7E2	0.383
7317	8383	Sisma X SLV	25.2	0	0	0	1.6E2	0.383	7318	8383	Sisma Y SLV	0	25.2	0	0	1.6E2	0.383
7319	8383	Sisma X SLO	13.5	0	0	0	1.6E2	0.383	7320	8383	Sisma Y SLO	0	13.5	0	0	1.6E2	0.383
7321	8383	Sisma X SLD	11.2	0	0	0	1.6E2	0.383	7322	8383	Sisma Y SLD	0	11.2	0	0	1.6E2	0.383
7323	8384	Sisma X SLV	26.2	0	0	0	1.7E2	0.384	7324	8384	Sisma Y SLV	0	26.2	0	0	1.7E2	0.384
7325	8384	Sisma X SLO	14	0	0	0	1.7E2	0.384	7326	8384	Sisma Y SLO	0	14	0	0	1.7E2	0.384
7327	8384	Sisma X SLD	11.6	0	0	0	1.7E2	0.384	7328	8384	Sisma Y SLD	0	11.6	0	0	1.7E2	0.384
7329	8385	Sisma X SLV	26.3	0	0	0	1.7E2	0.384	7330	8385	Sisma Y SLV	0	26.3	0	0	1.7E2	0.384
7331	8385	Sisma X SLO	14	0	0	0	1.7E2	0.384	7332	8385	Sisma Y SLO	0	14	0	0	1.7E2	0.384
7333	8385	Sisma X SLD	11.6	0	0	0	1.7E2	0.384	7334	8385	Sisma Y SLD	0	11.6	0	0	1.7E2	0.384
7335	8386	Sisma X SLV	25.3	0	0	0	1.6E2	0.384	7336	8386	Sisma Y SLV	0	25.3	0	0	1.6E2	0.384
7337	8386	Sisma X SLO	13.5	0	0	0	1.6E2	0.384	7338	8386	Sisma Y SLO	0	13.5	0	0	1.6E2	0.384
7339	8386	Sisma X SLD	11.2	0	0	0	1.6E2	0.384	7340	8386	Sisma Y SLD	0	11.2	0	0	1.6E2	0.384
7341	8387	Sisma X SLV	26.4	0	0	0	1.7E2	0.384	7342	8387	Sisma Y SLV	0	26.4	0	0	1.7E2	0.384
7343	8387	Sisma X SLO	14.1	0	0	0	1.7E2	0.384	7344	8387	Sisma Y SLO	0	14.1	0	0	1.7E2	0.384
7345	8387	Sisma X SLD	11.7	0	0	0	1.7E2	0.384	7346	8387	Sisma Y SLD	0	11.7	0	0	1.7E2	0.384
7347	8388	Sisma X SLV	19.8	0	0	0	1.3E2	0.385	7348	8388	Sisma Y SLV	0	19.8	0	0	1.3E2	0.385
7349	8388	Sisma X SLO	10.6	0	0	0	1.3E2	0.385	7350	8388	Sisma Y SLO	0	10.6	0	0	1.3E2	0.385
7351	8388	Sisma X SLD	8.8	0	0	0	1.3E2	0.385	7352	8388	Sisma Y SLD	0	8.8	0	0	1.3E2	0.385
7353	8389	Sisma X SLV	26.5	0	0	0	1.7E2	0.385	7354	8389	Sisma Y SLV	0	26.5	0	0	1.7E2	0.385
7355	8389	Sisma X SLO	14.1	0	0	0	1.7E2	0.385	7356	8389	Sisma Y SLO	0	14.1	0	0	1.7E2	0.385
7357	8389	Sisma X SLD	11.7	0	0	0	1.7E2	0.385	7358	8389	Sisma Y SLD	0	11.7	0	0	1.7E2	0.385
7359	8390	Sisma X SLV	25.3	0	0	0	1.6E2	0.385	7360	8390	Sisma Y SLV	0	25.3	0	0	1.6E2	0.385
7361	8390	Sisma X SLO	13.5	0	0	0	1.6E2	0.385	7362	8390	Sisma Y SLO	0	13.5	0	0	1.6E2	0.385
7363	8390	Sisma X SLD	11.2	0	0	0	1.6E2	0.385	7364	8390	Sisma Y SLD	0	11.2	0	0	1.6E2	0.385
7365	8391	Sisma X SLV	26.6	0	0	0	1.7E2	0.385	7366	8391	Sisma Y SLV	0	26.6	0	0	1.7E2	0.385
7367	8391	Sisma X SLO	14.2	0	0	0	1.7E2	0.385	7368	8391	Sisma Y SLO	0	14.2	0	0	1.7E2	0.385
7369	8391	Sisma X SLD	11.8	0	0	0	1.7E2	0.385	7370	8391	Sisma Y SLD	0	11.8	0	0	1.7E2	0.385
7371	8392	Sisma X SLV	26.7	0	0	0	1.7E2	0.385	7372	8392	Sisma Y SLV	0	26.7	0	0	1.7E2	0.385
7373	8392	Sisma X SLO	14.2	0	0	0	1.7E2	0.385	7374	8392	Sisma Y SLO	0	14.2	0	0	1.7E2	0.385
7375	8392	Sisma X SLD	11.8	0	0	0	1.7E2	0.385	7376	8392	Sisma Y SLD	0	11.8	0	0	1.7E2	0.385
7377	8393	Sisma X SLV	26.8	0	0	0	1.7E2	0.386	7378	8393	Sisma Y SLV	0	26.8	0	0	1.7E2	0.386
7379	8393	Sisma X SLO	14.3	0	0	0	1.7E2	0.386	7380	8393	Sisma Y SLO	0	14.3	0	0	1.7E2	0.386
7381	8393	Sisma X SLD	11.9	0	0	0	1.7E2	0.386	7382	8393	Sisma Y SLD	0	11.9	0	0	1.7E2	0.386
7383	8394	Sisma X SLV	26.9	0	0	0	1.7E2	0.386	7384	8394	Sisma Y SLV	0	26.9	0	0	1.7E2	0.386
7385	8394	Sisma X SLO	14.3	0	0	0	1.7E2	0.386	7386	8394	Sisma Y SLO	0	14.3	0	0	1.7E2	0.386
7387	8394	Sisma X SLD	11.9	0	0	0	1.7E2	0.386	7388	8394	Sisma Y SLD	0	11.9	0	0	1.7E2	0.386
7389	8395	Sisma X SLV	27.1	0	0	0	1.8E2	0.386	7390	8395	Sisma Y SLV	0	27.1	0	0	1.8E2	0.386
7391	8395	Sisma X SLO	14.4	0	0	0	1.8E2	0.386	7392	8395	Sisma Y SLO	0	14.4	0	0	1.8E2	0.386
7393	8395	Sisma X SLD	12	0	0	0	1.8E2	0.386	7394	8395	Sisma Y SLD	0	12	0	0	1.8E2	0.386
7395	8396	Sisma X SLV	25.4	0	0	0	1.6E2	0.386	7396	8396	Sisma Y SLV	0	25.4	0	0	1.6E2	0.386
7397	8396	Sisma X SLO	13.5	0	0	0	1.6E2	0.386	7398	8396	Sisma Y SLO	0	13.5	0	0	1.6E2	0.386
7399	8396	Sisma X SLD	11.2	0	0	0	1.6E2	0.386	7400	8396	Sisma Y SLD	0	11.2	0	0	1.6E2	0.386
7401	8397	Sisma X SLV	19.1	0	0	0	1.2E2	0.386	7402	8397	Sisma Y SLV	0	19.1	0	0	1.2E2	0.386
7403	8397	Sisma X SLO	10.2	0	0	0	1.2E2	0.386	7404	8397	Sisma Y SLO	0	10.2	0	0	1.2E2	0.386
7405	8397	Sisma X SLD	8.4	0	0	0	1.2E2	0.386	7406	8397	Sisma Y SLD	0	8.4	0	0	1.2E2	0.386
7407	8398	Sisma X SLV	27.1	0	0	0	1.8E2	0.387	7408	8398	Sisma Y SLV	0	27.1	0	0	1.8E2	0.387
7409	8398	Sisma X SLO	14.4	0	0	0	1.8E2	0.387	7410	8398	Sisma Y SLO	0	14.4	0	0	1.8E2	0.387
7411	8398	Sisma X SLD	12	0	0	0	1.8E2	0.387	7412	8398	Sisma Y SLD	0	12	0	0	1.8E2	0.387
7413	8399	Sisma X SLV	9.6	0	0	0	6.2E1	0.387	7414	8399	Sisma Y SLV	0	9.6	0	0	6.2E1	0.387
7415	8399	Sisma X SLO	5.1	0	0	0	6.2E1	0.387	7416	8399	Sisma Y SLO	0	5.1	0	0	6.2E1	0.387
7417	8399	Sisma X SLD	4.2	0	0	0	6.2E1	0.387	7418	8399	Sisma Y SLD	0	4.2	0	0	6.2E1	0.387
7419	8400	Sisma X SLV	19.1	0	0	0	1.2E2	0.387	7420	8400	Sisma Y SLV	0	19.1	0	0	1.2E2	0.387
7421	8400	Sisma X SLO	10.2	0	0	0	1.2E2	0.387	7422	8400	Sisma Y SLO	0	10.2	0	0	1.2E2	0.387
7423	8400	Sisma X SLD	8.5	0	0	0	1.2E2	0.387	7424	8400	Sisma Y SLD	0	8.5	0	0	1.2E2	0.387
7425	8401	Sisma X SLV	9.6	0	0	0	6.2E1	0.387	7426	8401	Sisma Y SLV	0	9.6	0	0	6.2E1	0.387
7427	8401	Sisma X SLO	5.1	0	0	0	6.2E1	0.387	7428	8401	Sisma Y SLO	0	5.1	0	0	6.2E1	0.387
7429	8401	Sisma X SLD	4.2	0	0	0	6.2E1	0.387	7430	8401	Sisma Y SLD	0	4.2	0	0	6.2E1	0.387
7431	8402	Sisma X SLV	19.1	0	0	0	1.2E2	0.387	7432	8402	Sisma Y SLV	0	19.1	0	0	1.2E2	0.387
7433	8402	Sisma X SLO	10.2	0	0	0	1.2E2	0.387	7434	8402	Sisma Y SLO	0	10.2	0	0	1.2E2	0.387
7435	8402	Sisma X SLD	8.5	0	0	0	1.2E2	0.387	7436	8402	Sisma Y SLD	0	8.5	0	0	1.2E2	0.387
7437	8403	Sisma X SLV	32.7	0	0	0	2.1E2	0.387	7438	8403	Sisma Y SLV	0	32.7	0	0	2.1E2	0.387
7439	8403	Sisma X SLO	17.4	0	0	0	2.1E2	0.387	7440	8403	Sisma Y SLO	0	17.4	0	0	2.1E2	0.387
7441	8403	Sisma X SLD	14.5	0	0	0	2.1E2	0.387	7442	8403	Sisma Y SLD	0	14.5	0	0	2.1E2	0.387
7443	8404	Sisma X SLV	26	0	0	0	1.7E2	0.389	7444	8404	Sisma Y SLV	0	26	0	0	1.7E2	0.389
7445	8404	Sisma X SLO	13.8	0	0	0	1.7E2	0.389	7446	8404	Sisma Y SLO	0	13.8	0	0	1.7E2	0.389
7447	8404	Sisma X SLD	11.5	0	0	0	1.7E2	0.389	7448	8404	Sisma Y SLD	0	11.5	0	0	1.7E2	0.389
7449	8405	Sisma X SLV	14.2	0	0	0	9.1E1	0.391	7450	8405	Sisma Y SLV	0	14.2	0	0	9.1E1	0.391
7451	8405	Sisma X SLO	7.6	0	0	0	9.1E1	0.391	7452	8405	Sisma Y SLO	0	7.6	0	0	9.1E1	0.391
7453	8405	Sisma X SLD	6.3	0	0	0	9.1E1	0.391	7454	8405	Sisma Y SLD	0	6.3	0	0	9.1E1	0.391
7455	8406	Sisma X SLV	13.4	0	0	0	8.5E1	0.392	7456	8406	Sisma Y SLV	0	13.4	0	0	8.5E1	0.392
7457	8406	Sisma X SLO	7.1	0	0	0	8.5E1	0.392	7458	8406	Sisma Y SLO	0	7.1	0	0	8.5E1	0.392
7459	8406	Sisma X SLD	5.9	0	0	0	8.5E1	0.392	7460	8406	Sisma Y SLD	0	5.9	0	0	8.5E1	0.392
7461	8407	Sisma X SLV	14.2	0	0	0	9.0E1	0.392	7462	8407	Sisma Y SLV	0	14.2	0	0	9.0E1	0.392
7463	8407	Sisma X SLO	7.6	0	0	0	9.0E1	0.392	7464	8407	Sisma Y SLO	0	7.6	0	0	9.0E1	0.392
7465	8407	Sisma X SLD	6.3	0	0	0	9.0E1	0.392	7466	8407	Sisma Y SLD	0	6.3	0	0	9.0E1	0.392
7467	8408	Sisma X SLV	15.6	0	0	0	1.0E2	0.393	7468	8408	Sisma Y SLV	0	15.6	0	0	1.0E2	0.393
7469	8408	Sisma X SLO	8.3	0	0	0	1.0E2	0.393	7470	8408	Sisma Y SLO	0	8.3	0	0	1.0E2	0.393
7471	8408	Sisma X SLD	6.9	0	0	0	1.0E2	0.393	7472	8408	Sisma Y SLD	0	6.9	0	0	1.0E2	0.393
7473	8409	Sisma X SLV	8	0	0	0	5.1E1	0.393	7474	8409	Sisma Y SLV	0	8	0	0	5.1E1	0.393
7475	8409	Sisma X SLO	4.2	0	0	0	5.1E1	0.393	7476	8409	Sisma Y SLO	0	4.2	0	0	5.1E1	0.393
7477	8409	Sisma X SLD	3.5	0	0	0	5.1E1	0.393	7478	8409	Sisma Y SLD	0	3.5	0	0	5.1E1	0.393
7479	8410	Sisma X SLV	3.1	0	0	0	2.0E1	0.394	7480	8410	Sisma Y SLV	0	3.1	0	0	2.0E1	0.394
7481	8410	Sisma X SLO	1.7	0	0	0	2.0E1	0.394	7482	8410	Sisma Y SLO	0	1.7	0	0	2.0E1	0.394
7483	8410	Sisma X SLD	1.4	0	0	0	2.0E1	0.394	7484	8410	Sisma Y SLD	0	1.4	0	0	2.0E1	0.394
7485	8411	Sisma X SLV	9.5	0	0	0	6.1E1	0.394	7486	8411	Sisma Y SLV	0	9.5	0	0	6.1E1	0.394
7487	8411	Sisma X SLO	5.1	0	0	0	6.1E1	0.394	7488	8411	Sisma Y SLO	0	5.1	0	0	6.1E1	0.394
7489	8411	Sisma X SLD	4.2	0	0	0	6.1E1	0.394	7490	8411	Sisma Y SLD	0	4.2	0	0	6.1E1	0.394
7491	8412	Sisma X SLV	3.1	0	0	0	2.0E1	0.394	7492	8412	Sisma Y SLV	0	3.1	0	0	2.0E1	0.394
7493	8412	Sisma X SLO	1.7	0	0	0	2.0E1	0.394	7494	8412	Sisma Y SLO	0	1.7	0	0	2.0E1	0.394
7495	8412	Sisma X SLD	1.4	0	0	0	2.0E1	0.394	7496	8412	Sisma Y SLD	0	1.4	0	0	2.0E1	0.394
7497	8413	Sisma X SLV	15.6	0	0	0	9.9E1	0.394	7498	8413	Sisma Y SLV	0	15.6	0	0	9.9E1	0.394
7499	8413	Sisma X SLO	8.3	0	0	0	9.9E1	0.394	7500	8413	Sisma Y SLO	0	8.3	0	0	9.9E1	0.394
7501	8413	Sisma X SLD	6.9	0	0	0	9.9E1	0.394	7502	8413	Sisma Y SLD	0	6.9	0	0	9.9E1	0.394
7503	8414	Sisma X SLV	2.9	0	0	0	1.8E1	0.395	7504	8414	Sisma Y SLV	0	2.9	0	0	1.8E1	0.395
7505	8414	Sisma X SLO	1.5	0	0	0	1.8E1	0.395	7506	8414	Sisma Y SLO	0	1.5	0	0	1.8E1	0.395
7507	8414	Sisma X SLD	1.3	0	0	0	1.8E1	0.395	7508	8414	Sisma Y SLD	0	1.3	0	0	1.8E1	0.395
7509	8415	Sisma X SLV	2.8	0	0	0	1.8E1	0.395	7510	8415	Sisma Y SLV	0	2.8	0	0	1.8E1	0.395
7511	8415	Sisma X SLO	1.5	0	0	0	1.8E1	0.395	7512	8415	Sisma Y SLO	0	1.5	0	0	1.8E1	0.395

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
7513	8415	Sisma X SLD	1.3	0	0	0	1.8E1	0.395	7514	8415	Sisma Y SLD	0	1.3	0	0	1.8E1	0.395
7515	8416	Sisma X SLV	7.1	0	0	0	4.4E1	0.401	7516	8416	Sisma Y SLV	0	7.1	0	0	4.4E1	0.401
7517	8416	Sisma X SLO	3.8	0	0	0	4.4E1	0.401	7518	8416	Sisma Y SLO	0	3.8	0	0	4.4E1	0.401
7519	8416	Sisma X SLD	3.2	0	0	0	4.4E1	0.401	7520	8416	Sisma Y SLD	0	3.2	0	0	4.4E1	0.401
7521	8417	Sisma X SLV	7.9	0	0	0	49.29	0.402	7522	8417	Sisma Y SLV	0	7.9	0	0	49.29	0.402
7523	8417	Sisma X SLO	4.2	0	0	0	49.29	0.402	7524	8417	Sisma Y SLO	0	4.2	0	0	49.29	0.402
7525	8417	Sisma X SLD	3.5	0	0	0	49.29	0.402	7526	8417	Sisma Y SLD	0	3.5	0	0	49.29	0.402
7527	8418	Sisma X SLV	5.6	0	0	0	3.5E1	0.405	7528	8418	Sisma Y SLV	0	5.6	0	0	3.5E1	0.405
7529	8418	Sisma X SLO	3	0	0	0	3.5E1	0.405	7530	8418	Sisma Y SLO	0	3	0	0	3.5E1	0.405
7531	8418	Sisma X SLD	2.5	0	0	0	3.5E1	0.405	7532	8418	Sisma Y SLD	0	2.5	0	0	3.5E1	0.405
7533	8419	Sisma X SLV	5.8	0	0	0	3.6E1	0.405	7534	8419	Sisma Y SLV	0	5.8	0	0	3.6E1	0.405
7535	8419	Sisma X SLO	3.1	0	0	0	3.6E1	0.405	7536	8419	Sisma Y SLO	0	3.1	0	0	3.6E1	0.405
7537	8419	Sisma X SLD	2.6	0	0	0	3.6E1	0.405	7538	8419	Sisma Y SLD	0	2.6	0	0	3.6E1	0.405
7539	8420	Sisma X SLV	5.5	0	0	0	3.4E1	0.406	7540	8420	Sisma Y SLV	0	5.5	0	0	3.4E1	0.406
7541	8420	Sisma X SLO	2.9	0	0	0	3.4E1	0.406	7542	8420	Sisma Y SLO	0	2.9	0	0	3.4E1	0.406
7543	8420	Sisma X SLD	2.4	0	0	0	3.4E1	0.406	7544	8420	Sisma Y SLD	0	2.4	0	0	3.4E1	0.406
7545	8421	Sisma X SLV	5.6	0	0	0	3.5E1	0.406	7546	8421	Sisma Y SLV	0	5.6	0	0	3.5E1	0.406
7547	8421	Sisma X SLO	3	0	0	0	3.5E1	0.406	7548	8421	Sisma Y SLO	0	3	0	0	3.5E1	0.406
7549	8421	Sisma X SLD	2.5	0	0	0	3.5E1	0.406	7550	8421	Sisma Y SLD	0	2.5	0	0	3.5E1	0.406
7551	8422	Sisma X SLV	4.9	0	0	0	3.0E1	0.407	7552	8422	Sisma Y SLV	0	4.9	0	0	3.0E1	0.407
7553	8422	Sisma X SLO	2.6	0	0	0	3.0E1	0.407	7554	8422	Sisma Y SLO	0	2.6	0	0	3.0E1	0.407
7555	8422	Sisma X SLD	2.2	0	0	0	3.0E1	0.407	7556	8422	Sisma Y SLD	0	2.2	0	0	3.0E1	0.407
7557	8423	Sisma X SLV	4.7	0	0	0	2.9E1	0.407	7558	8423	Sisma Y SLV	0	4.7	0	0	2.9E1	0.407
7559	8423	Sisma X SLO	2.5	0	0	0	2.9E1	0.407	7560	8423	Sisma Y SLO	0	2.5	0	0	2.9E1	0.407
7561	8423	Sisma X SLD	2.1	0	0	0	2.9E1	0.407	7562	8423	Sisma Y SLD	0	2.1	0	0	2.9E1	0.407
7563	8424	Sisma X SLV	4.9	0	0	0	3.0E1	0.407	7564	8424	Sisma Y SLV	0	4.9	0	0	3.0E1	0.407
7565	8424	Sisma X SLO	2.6	0	0	0	3.0E1	0.407	7566	8424	Sisma Y SLO	0	2.6	0	0	3.0E1	0.407
7567	8424	Sisma X SLD	2.2	0	0	0	3.0E1	0.407	7568	8424	Sisma Y SLD	0	2.2	0	0	3.0E1	0.407
7569	8425	Sisma X SLV	5.1	0	0	0	3.1E1	0.408	7570	8425	Sisma Y SLV	0	5.1	0	0	3.1E1	0.408
7571	8425	Sisma X SLO	2.7	0	0	0	3.1E1	0.408	7572	8425	Sisma Y SLO	0	2.7	0	0	3.1E1	0.408
7573	8425	Sisma X SLD	2.2	0	0	0	3.1E1	0.408	7574	8425	Sisma Y SLD	0	2.2	0	0	3.1E1	0.408
7575	8426	Sisma X SLV	4.7	0	0	0	2.9E1	0.408	7576	8426	Sisma Y SLV	0	4.7	0	0	2.9E1	0.408
7577	8426	Sisma X SLO	2.5	0	0	0	2.9E1	0.408	7578	8426	Sisma Y SLO	0	2.5	0	0	2.9E1	0.408
7579	8426	Sisma X SLD	2.1	0	0	0	2.9E1	0.408	7580	8426	Sisma Y SLD	0	2.1	0	0	2.9E1	0.408
7581	8427	Sisma X SLV	4.8	0	0	0	2.9E1	0.408	7582	8427	Sisma Y SLV	0	4.8	0	0	2.9E1	0.408
7583	8427	Sisma X SLO	2.6	0	0	0	2.9E1	0.408	7584	8427	Sisma Y SLO	0	2.6	0	0	2.9E1	0.408
7585	8427	Sisma X SLD	2.1	0	0	0	2.9E1	0.408	7586	8427	Sisma Y SLD	0	2.1	0	0	2.9E1	0.408
7587	8428	Sisma X SLV	6.4	0	0	0	3.9E1	0.409	7588	8428	Sisma Y SLV	0	6.4	0	0	3.9E1	0.409
7589	8428	Sisma X SLO	3.4	0	0	0	3.9E1	0.409	7590	8428	Sisma Y SLO	0	3.4	0	0	3.9E1	0.409
7591	8428	Sisma X SLD	2.8	0	0	0	3.9E1	0.409	7592	8428	Sisma Y SLD	0	2.8	0	0	3.9E1	0.409
7593	8429	Sisma X SLV	15	0	0	0	9.2E1	0.409	7594	8429	Sisma Y SLV	0	15	0	0	9.2E1	0.409
7595	8429	Sisma X SLO	8	0	0	0	9.2E1	0.409	7596	8429	Sisma Y SLO	0	8	0	0	9.2E1	0.409
7597	8429	Sisma X SLD	6.6	0	0	0	9.2E1	0.409	7598	8429	Sisma Y SLD	0	6.6	0	0	9.2E1	0.409
7599	8430	Sisma X SLV	28.2	0	0	0	1.7E2	0.409	7600	8430	Sisma Y SLV	0	28.2	0	0	1.7E2	0.409
7601	8430	Sisma X SLO	15	0	0	0	1.7E2	0.409	7602	8430	Sisma Y SLO	0	15	0	0	1.7E2	0.409
7603	8430	Sisma X SLD	12.5	0	0	0	1.7E2	0.409	7604	8430	Sisma Y SLD	0	12.5	0	0	1.7E2	0.409
7605	8431	Sisma X SLV	9.8	0	0	0	6.0E1	0.413	7606	8431	Sisma Y SLV	0	9.8	0	0	6.0E1	0.413
7607	8431	Sisma X SLO	5.2	0	0	0	6.0E1	0.413	7608	8431	Sisma Y SLO	0	5.2	0	0	6.0E1	0.413
7609	8431	Sisma X SLD	4.4	0	0	0	6.0E1	0.413	7610	8431	Sisma Y SLD	0	4.4	0	0	6.0E1	0.413
7611	8432	Sisma X SLV	22.9	0	0	0	1.4E2	0.414	7612	8432	Sisma Y SLV	0	22.9	0	0	1.4E2	0.414
7613	8432	Sisma X SLO	12.2	0	0	0	1.4E2	0.414	7614	8432	Sisma Y SLO	0	12.2	0	0	1.4E2	0.414
7615	8432	Sisma X SLD	10.1	0	0	0	1.4E2	0.414	7616	8432	Sisma Y SLD	0	10.1	0	0	1.4E2	0.414
7617	8433	Sisma X SLV	6.4	0	0	0	3.9E1	0.414	7618	8433	Sisma Y SLV	0	6.4	0	0	3.9E1	0.414
7619	8433	Sisma X SLO	3.4	0	0	0	3.9E1	0.414	7620	8433	Sisma Y SLO	0	3.4	0	0	3.9E1	0.414
7621	8433	Sisma X SLD	2.8	0	0	0	3.9E1	0.414	7622	8433	Sisma Y SLD	0	2.8	0	0	3.9E1	0.414
7623	8434	Sisma X SLV	7.2	0	0	0	4.4E1	0.414	7624	8434	Sisma Y SLV	0	7.2	0	0	4.4E1	0.414
7625	8434	Sisma X SLO	3.9	0	0	0	4.4E1	0.414	7626	8434	Sisma Y SLO	0	3.9	0	0	4.4E1	0.414
7627	8434	Sisma X SLD	3.2	0	0	0	4.4E1	0.414	7628	8434	Sisma Y SLD	0	3.2	0	0	4.4E1	0.414
7629	8435	Sisma X SLV	5.7	0	0	0	3.4E1	0.415	7630	8435	Sisma Y SLV	0	5.7	0	0	3.4E1	0.415
7631	8435	Sisma X SLO	3	0	0	0	3.4E1	0.415	7632	8435	Sisma Y SLO	0	3	0	0	3.4E1	0.415
7633	8435	Sisma X SLD	2.5	0	0	0	3.4E1	0.415	7634	8435	Sisma Y SLD	0	2.5	0	0	3.4E1	0.415
7635	8436	Sisma X SLV	6.8	0	0	0	4.1E1	0.415	7636	8436	Sisma Y SLV	0	6.8	0	0	4.1E1	0.415
7637	8436	Sisma X SLO	3.6	0	0	0	4.1E1	0.415	7638	8436	Sisma Y SLO	0	3.6	0	0	4.1E1	0.415
7639	8436	Sisma X SLD	3	0	0	0	4.1E1	0.415	7640	8436	Sisma Y SLD	0	3	0	0	4.1E1	0.415
7641	8437	Sisma X SLV	6.2	0	0	0	3.7E1	0.415	7642	8437	Sisma Y SLV	0	6.2	0	0	3.7E1	0.415
7643	8437	Sisma X SLO	3.3	0	0	0	3.7E1	0.415	7644	8437	Sisma Y SLO	0	3.3	0	0	3.7E1	0.415
7645	8437	Sisma X SLD	2.7	0	0	0	3.7E1	0.415	7646	8437	Sisma Y SLD	0	2.7	0	0	3.7E1	0.415
7647	8438	Sisma X SLV	6.5	0	0	0	3.9E1	0.415	7648	8438	Sisma Y SLV	0	6.5	0	0	3.9E1	0.415
7649	8438	Sisma X SLO	3.4	0	0	0	3.9E1	0.415	7650	8438	Sisma Y SLO	0	3.4	0	0	3.9E1	0.415
7651	8438	Sisma X SLD	2.9	0	0	0	3.9E1	0.415	7652	8438	Sisma Y SLD	0	2.9	0	0	3.9E1	0.415
7653	8439	Sisma X SLV	6.4	0	0	0	3.9E1	0.415	7654	8439	Sisma Y SLV	0	6.4	0	0	3.9E1	0.415
7655	8439	Sisma X SLO	3.4	0	0	0	3.9E1	0.415	7656	8439	Sisma Y SLO	0	3.4	0	0	3.9E1	0.415
7657	8439	Sisma X SLD	2.8	0	0	0	3.9E1	0.415	7658	8439	Sisma Y SLD	0	2.8	0	0	3.9E1	0.415
7659	8440	Sisma X SLV	5.9	0	0	0	3.6E1	0.415	7660	8440	Sisma Y SLV	0	5.9	0	0	3.6E1	0.415
7661	8440	Sisma X SLO	3.1	0	0	0	3.6E1	0.415	7662	8440	Sisma Y SLO	0	3.1	0	0	3.6E1	0.415
7663	8440	Sisma X SLD	2.6	0	0	0	3.6E1	0.415	7664	8440	Sisma Y SLD	0	2.6	0	0	3.6E1	0.415
7665	8441	Sisma X SLV	23.6	0	0	0	1.4E2	0.417	7666	8441	Sisma Y SLV	0	23.6	0	0	1.4E2	0.417
7667	8441	Sisma X SLO	12.6	0	0	0	1.4E2	0.417	7668	8441	Sisma Y SLO	0	12.6	0	0	1.4E2	0.417
7669	8441	Sisma X SLD	10.5	0	0	0	1.4E2	0.417	7670	8441	Sisma Y SLD	0	10.5	0	0	1.4E2	0.417
7671	8442	Sisma X SLV	5	0	0	0	3.0E1	0.42	7672	8442	Sisma Y SLV	0	5	0	0	3.0E1	0.42
7673	8442	Sisma X SLO	2.7	0	0	0	3.0E1	0.42	7674	8442	Sisma Y SLO	0	2.7	0	0	3.0E1	0.42
7675	8442	Sisma X SLD	2.2	0	0	0	3.0E1	0.42	7676	8442	Sisma Y SLD	0	2.2	0	0	3.0E1	0.42
7677	8443	Sisma X SLV	5.1	0	0	0	3.0E1	0.42	7678	8443	Sisma Y SLV	0	5.1	0	0	3.0E1	0.42
7679	8443	Sisma X SLO	2.7	0	0	0	3.0E1	0.42	7680	8443	Sisma Y SLO	0	2.7	0	0	3.0E1	0.42
7681	8443	Sisma X SLD	2.2	0	0	0	3.0E1	0.42	7682	8443	Sisma Y SLD	0	2.2	0	0	3.0E1	0.42
7683	8444	Sisma X SLV	4.4	0	0	0	2.6E1	0.42	7684	8444	Sisma Y SLV	0	4.4	0	0	2.6E1	0.42
7685	8444	Sisma X SLO	2.4	0	0	0	2.6E1	0.42	7686	8444	Sisma Y SLO	0	2.4	0	0	2.6E1	0.42
7687	8444	Sisma X SLD	2	0	0	0	2.6E1	0.42	7688	8444	Sisma Y SLD	0	2	0	0	2.6E1	0.42
7689	8445	Sisma X SLV	4.6	0	0	0	2.7E1	0.421	7690	8445	Sisma Y SLV	0	4.6	0	0	2.7E1	0.421
7691	8445	Sisma X SLO	2.4	0	0	0	2.7E1	0.421	7692	8445	Sisma Y SLO	0	2.4	0	0	2.7E1	0.421
7693	8445	Sisma X SLD	2	0	0	0	2.7E1	0.421	7694	8445	Sisma Y SLD	0	2	0	0	2.7E1	0.421
7695	8446	Sisma X SLV	10.9	0	0	0	64.37	0.422	7696	8446	Sisma Y SLV	0	10.9	0	0	64.37	0.422
7697	8446	Sisma X SLO	5.8	0	0	0	64.37	0.422	7698	8446	Sisma Y SLO	0	5.8	0	0	64.37	0.422
7699	8446	Sisma X SLD	4.8	0	0	0	64.37	0.422	7700	8446	Sisma Y SLD	0	4.8	0	0	64.37	0.422
7701	8447	Sisma X SLV	11	0	0	0	6.5E1	0.423	7702	8447	Sisma Y SLV	0	11	0	0	6.5E1	0.423
7703	8447	Sisma X SLO	5.9	0	0	0	6.5E1	0.423	7704	8447	Sisma Y SLO	0	5.9	0	0	6.5E1	0.423
7705	8447	Sisma X SLD	4.9	0	0	0	6.5E1	0.423	7706	8447	Sisma Y SLD	0	4.9	0	0	6.5E1	0.423
7707	8448	Sisma X SLV	15.2	0	0	0	8.9E1	0.427	7708	8448	Sisma Y SLV	0	15.2	0	0	8.9E1	0.427
7709	8448	Sisma X SLO	8.1	0	0	0	8.9E1	0.427	7710	8448	Sisma Y SLO	0	8.1	0	0	8.9E1	0.427
7711	8448	Sisma X SLD	6.7	0	0	0	8.9E1	0.427	7712	8448	Sisma Y SLD	0	6.7	0	0	8.9E1	0.427

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
7713	8449	Sisma X SLV	14.8	0	0	0	8.6E1	0.428	7714	8449	Sisma Y SLV	0	14.8	0	0	8.6E1	0.428
7715	8449	Sisma X SLO	7.9	0	0	0	8.6E1	0.428	7716	8449	Sisma Y SLO	0	7.9	0	0	8.6E1	0.428
7717	8449	Sisma X SLD	6.5	0	0	0	8.6E1	0.428	7718	8449	Sisma Y SLD	0	6.5	0	0	8.6E1	0.428
7719	8450	Sisma X SLV	15.9	0	0	0	9.3E1	0.43	7720	8450	Sisma Y SLV	0	15.9	0	0	9.3E1	0.43
7721	8450	Sisma X SLO	8.5	0	0	0	9.3E1	0.43	7722	8450	Sisma Y SLO	0	8.5	0	0	9.3E1	0.43
7723	8450	Sisma X SLD	7.1	0	0	0	9.3E1	0.43	7724	8450	Sisma Y SLD	0	7.1	0	0	9.3E1	0.43
7725	8451	Sisma X SLV	19	0	0	0	1.1E2	0.432	7726	8451	Sisma Y SLV	0	19	0	0	1.1E2	0.432
7727	8451	Sisma X SLO	10.1	0	0	0	1.1E2	0.432	7728	8451	Sisma Y SLO	0	10.1	0	0	1.1E2	0.432
7729	8451	Sisma X SLD	8.4	0	0	0	1.1E2	0.432	7730	8451	Sisma Y SLD	0	8.4	0	0	1.1E2	0.432
7731	8452	Sisma X SLV	14.8	0	0	0	8.6E1	0.433	7732	8452	Sisma Y SLV	0	14.8	0	0	8.6E1	0.433
7733	8452	Sisma X SLO	7.9	0	0	0	8.6E1	0.433	7734	8452	Sisma Y SLO	0	7.9	0	0	8.6E1	0.433
7735	8452	Sisma X SLD	6.6	0	0	0	8.6E1	0.433	7736	8452	Sisma Y SLD	0	6.6	0	0	8.6E1	0.433
7737	8453	Sisma X SLV	19.3	0	0	0	1.1E2	0.433	7738	8453	Sisma Y SLV	0	19.3	0	0	1.1E2	0.433
7739	8453	Sisma X SLO	10.3	0	0	0	1.1E2	0.433	7740	8453	Sisma Y SLO	0	10.3	0	0	1.1E2	0.433
7741	8453	Sisma X SLD	8.5	0	0	0	1.1E2	0.433	7742	8453	Sisma Y SLD	0	8.5	0	0	1.1E2	0.433
7743	8454	Sisma X SLV	12.7	0	0	0	7.3E1	0.434	7744	8454	Sisma Y SLV	0	12.7	0	0	7.3E1	0.434
7745	8454	Sisma X SLO	6.8	0	0	0	7.3E1	0.434	7746	8454	Sisma Y SLO	0	6.8	0	0	7.3E1	0.434
7747	8454	Sisma X SLD	5.6	0	0	0	7.3E1	0.434	7748	8454	Sisma Y SLD	0	5.6	0	0	7.3E1	0.434
7749	8455	Sisma X SLV	9.9	0	0	0	5.7E1	0.434	7750	8455	Sisma Y SLV	0	9.9	0	0	5.7E1	0.434
7751	8455	Sisma X SLO	5.3	0	0	0	5.7E1	0.434	7752	8455	Sisma Y SLO	0	5.3	0	0	5.7E1	0.434
7753	8455	Sisma X SLD	4.4	0	0	0	5.7E1	0.434	7754	8455	Sisma Y SLD	0	4.4	0	0	5.7E1	0.434
7755	8456	Sisma X SLV	9.9	0	0	0	5.7E1	0.435	7756	8456	Sisma Y SLV	0	9.9	0	0	5.7E1	0.435
7757	8456	Sisma X SLO	5.3	0	0	0	5.7E1	0.435	7758	8456	Sisma Y SLO	0	5.3	0	0	5.7E1	0.435
7759	8456	Sisma X SLD	4.4	0	0	0	5.7E1	0.435	7760	8456	Sisma Y SLD	0	4.4	0	0	5.7E1	0.435
7761	8457	Sisma X SLV	15.1	0	0	0	87.18	0.435	7762	8457	Sisma Y SLV	0	15.1	0	0	87.18	0.435
7763	8457	Sisma X SLO	8.1	0	0	0	87.18	0.435	7764	8457	Sisma Y SLO	0	8.1	0	0	87.18	0.435
7765	8457	Sisma X SLD	6.7	0	0	0	87.18	0.435	7766	8457	Sisma Y SLD	0	6.7	0	0	87.18	0.435
7767	8458	Sisma X SLV	10.5	0	0	0	6.0E1	0.435	7768	8458	Sisma Y SLV	0	10.5	0	0	6.0E1	0.435
7769	8458	Sisma X SLO	5.6	0	0	0	6.0E1	0.435	7770	8458	Sisma Y SLO	0	5.6	0	0	6.0E1	0.435
7771	8458	Sisma X SLD	4.7	0	0	0	6.0E1	0.435	7772	8458	Sisma Y SLD	0	4.7	0	0	6.0E1	0.435
7773	8459	Sisma X SLV	11.5	0	0	0	6.6E1	0.436	7774	8459	Sisma Y SLV	0	11.5	0	0	6.6E1	0.436
7775	8459	Sisma X SLO	6.1	0	0	0	6.6E1	0.436	7776	8459	Sisma Y SLO	0	6.1	0	0	6.6E1	0.436
7777	8459	Sisma X SLD	5.1	0	0	0	6.6E1	0.436	7778	8459	Sisma Y SLD	0	5.1	0	0	6.6E1	0.436
7779	8460	Sisma X SLV	17.3	0	0	0	9.9E1	0.436	7780	8460	Sisma Y SLV	0	17.3	0	0	9.9E1	0.436
7781	8460	Sisma X SLO	9.2	0	0	0	9.9E1	0.436	7782	8460	Sisma Y SLO	0	9.2	0	0	9.9E1	0.436
7783	8460	Sisma X SLD	7.6	0	0	0	9.9E1	0.436	7784	8460	Sisma Y SLD	0	7.6	0	0	9.9E1	0.436
7785	8461	Sisma X SLV	11.1	0	0	0	6.4E1	0.436	7786	8461	Sisma Y SLV	0	11.1	0	0	6.4E1	0.436
7787	8461	Sisma X SLO	5.9	0	0	0	6.4E1	0.436	7788	8461	Sisma Y SLO	0	5.9	0	0	6.4E1	0.436
7789	8461	Sisma X SLD	4.9	0	0	0	6.4E1	0.436	7790	8461	Sisma Y SLD	0	4.9	0	0	6.4E1	0.436
7791	8462	Sisma X SLV	14.1	0	0	0	8.1E1	0.436	7792	8462	Sisma Y SLV	0	14.1	0	0	8.1E1	0.436
7793	8462	Sisma X SLO	7.5	0	0	0	8.1E1	0.436	7794	8462	Sisma Y SLO	0	7.5	0	0	8.1E1	0.436
7795	8462	Sisma X SLD	6.3	0	0	0	8.1E1	0.436	7796	8462	Sisma Y SLD	0	6.3	0	0	8.1E1	0.436
7797	8463	Sisma X SLV	9.9	0	0	0	5.7E1	0.437	7798	8463	Sisma Y SLV	0	9.9	0	0	5.7E1	0.437
7799	8463	Sisma X SLO	5.3	0	0	0	5.7E1	0.437	7800	8463	Sisma Y SLO	0	5.3	0	0	5.7E1	0.437
7801	8463	Sisma X SLD	4.4	0	0	0	5.7E1	0.437	7802	8463	Sisma Y SLD	0	4.4	0	0	5.7E1	0.437
7803	8464	Sisma X SLV	10.9	0	0	0	6.3E1	0.437	7804	8464	Sisma Y SLV	0	10.9	0	0	6.3E1	0.437
7805	8464	Sisma X SLO	5.8	0	0	0	6.3E1	0.437	7806	8464	Sisma Y SLO	0	5.8	0	0	6.3E1	0.437
7807	8464	Sisma X SLD	4.8	0	0	0	6.3E1	0.437	7808	8464	Sisma Y SLD	0	4.8	0	0	6.3E1	0.437
7809	8465	Sisma X SLV	12	0	0	0	68.77	0.437	7810	8465	Sisma Y SLV	0	12	0	0	68.77	0.437
7811	8465	Sisma X SLO	6.4	0	0	0	68.77	0.437	7812	8465	Sisma Y SLO	0	6.4	0	0	68.77	0.437
7813	8465	Sisma X SLD	5.3	0	0	0	68.77	0.437	7814	8465	Sisma Y SLD	0	5.3	0	0	68.77	0.437
7815	8466	Sisma X SLV	11.5	0	0	0	6.6E1	0.437	7816	8466	Sisma Y SLV	0	11.5	0	0	6.6E1	0.437
7817	8466	Sisma X SLO	6.1	0	0	0	6.6E1	0.437	7818	8466	Sisma Y SLO	0	6.1	0	0	6.6E1	0.437
7819	8466	Sisma X SLD	5.1	0	0	0	6.6E1	0.437	7820	8466	Sisma Y SLD	0	5.1	0	0	6.6E1	0.437
7821	8467	Sisma X SLV	13.3	0	0	0	7.6E1	0.438	7822	8467	Sisma Y SLV	0	13.3	0	0	7.6E1	0.438
7823	8467	Sisma X SLO	7.1	0	0	0	7.6E1	0.438	7824	8467	Sisma Y SLO	0	7.1	0	0	7.6E1	0.438
7825	8467	Sisma X SLD	5.9	0	0	0	7.6E1	0.438	7826	8467	Sisma Y SLD	0	5.9	0	0	7.6E1	0.438
7827	8468	Sisma X SLV	13.1	0	0	0	7.5E1	0.438	7828	8468	Sisma Y SLV	0	13.1	0	0	7.5E1	0.438
7829	8468	Sisma X SLO	7	0	0	0	7.5E1	0.438	7830	8468	Sisma Y SLO	0	7	0	0	7.5E1	0.438
7831	8468	Sisma X SLD	5.8	0	0	0	7.5E1	0.438	7832	8468	Sisma Y SLD	0	5.8	0	0	7.5E1	0.438
7833	8469	Sisma X SLV	15	0	0	0	8.5E1	0.438	7834	8469	Sisma Y SLV	0	15	0	0	8.5E1	0.438
7835	8469	Sisma X SLO	8	0	0	0	8.5E1	0.438	7836	8469	Sisma Y SLO	0	8	0	0	8.5E1	0.438
7837	8469	Sisma X SLD	6.6	0	0	0	8.5E1	0.438	7838	8469	Sisma Y SLD	0	6.6	0	0	8.5E1	0.438
7839	8470	Sisma X SLV	9.3	0	0	0	5.3E1	0.438	7840	8470	Sisma Y SLV	0	9.3	0	0	5.3E1	0.438
7841	8470	Sisma X SLO	4.9	0	0	0	5.3E1	0.438	7842	8470	Sisma Y SLO	0	4.9	0	0	5.3E1	0.438
7843	8470	Sisma X SLD	4.1	0	0	0	5.3E1	0.438	7844	8470	Sisma Y SLD	0	4.1	0	0	5.3E1	0.438
7845	8471	Sisma X SLV	9.3	0	0	0	5.3E1	0.438	7846	8471	Sisma Y SLV	0	9.3	0	0	5.3E1	0.438
7847	8471	Sisma X SLO	4.9	0	0	0	5.3E1	0.438	7848	8471	Sisma Y SLO	0	4.9	0	0	5.3E1	0.438
7849	8471	Sisma X SLD	4.1	0	0	0	5.3E1	0.438	7850	8471	Sisma Y SLD	0	4.1	0	0	5.3E1	0.438
7851	8472	Sisma X SLV	13.9	0	0	0	7.9E1	0.438	7852	8472	Sisma Y SLV	0	13.9	0	0	7.9E1	0.438
7853	8472	Sisma X SLO	7.4	0	0	0	7.9E1	0.438	7854	8472	Sisma Y SLO	0	7.4	0	0	7.9E1	0.438
7855	8472	Sisma X SLD	6.1	0	0	0	7.9E1	0.438	7856	8472	Sisma Y SLD	0	6.1	0	0	7.9E1	0.438
7857	8473	Sisma X SLV	34.2	0	0	0	2.0E2	0.438	7858	8473	Sisma Y SLV	0	34.2	0	0	2.0E2	0.438
7859	8473	Sisma X SLO	18.2	0	0	0	2.0E2	0.438	7860	8473	Sisma Y SLO	0	18.2	0	0	2.0E2	0.438
7861	8473	Sisma X SLD	15.1	0	0	0	2.0E2	0.438	7862	8473	Sisma Y SLD	0	15.1	0	0	2.0E2	0.438
7863	8474	Sisma X SLV	13.1	0	0	0	7.5E1	0.438	7864	8474	Sisma Y SLV	0	13.1	0	0	7.5E1	0.438
7865	8474	Sisma X SLO	7	0	0	0	7.5E1	0.438	7866	8474	Sisma Y SLO	0	7	0	0	7.5E1	0.438
7867	8474	Sisma X SLD	5.8	0	0	0	7.5E1	0.438	7868	8474	Sisma Y SLD	0	5.8	0	0	7.5E1	0.438
7869	8475	Sisma X SLV	13.5	0	0	0	7.7E1	0.438	7870	8475	Sisma Y SLV	0	13.5	0	0	7.7E1	0.438
7871	8475	Sisma X SLO	7.2	0	0	0	7.7E1	0.438	7872	8475	Sisma Y SLO	0	7.2	0	0	7.7E1	0.438
7873	8475	Sisma X SLD	6	0	0	0	7.7E1	0.438	7874	8475	Sisma Y SLD	0	6	0	0	7.7E1	0.438
7875	8476	Sisma X SLV	12.7	0	0	0	7.3E1	0.438	7876	8476	Sisma Y SLV	0	12.7	0	0	7.3E1	0.438
7877	8476	Sisma X SLO	6.8	0	0	0	7.3E1	0.438	7878	8476	Sisma Y SLO	0	6.8	0	0	7.3E1	0.438
7879	8476	Sisma X SLD	5.6	0	0	0	7.3E1	0.438	7880	8476	Sisma Y SLD	0	5.6	0	0	7.3E1	0.438
7881	8477	Sisma X SLV	15.2	0	0	0	8.7E1	0.438	7882	8477	Sisma Y SLV	0	15.2	0	0	8.7E1	0.438
7883	8477	Sisma X SLO	8.1	0	0	0	8.7E1	0.438	7884	8477	Sisma Y SLO	0	8.1	0	0	8.7E1	0.438
7885	8477	Sisma X SLD	6.7	0	0	0	8.7E1	0.438	7886	8477	Sisma Y SLD	0	6.7	0	0	8.7E1	0.438
7887	8478	Sisma X SLV	12.6	0	0	0	7.2E1	0.439	7888	8478	Sisma Y SLV	0	12.6	0	0	7.2E1	0.439
7889	8478	Sisma X SLO	6.7	0	0	0	7.2E1	0.439	7890	8478	Sisma Y SLO	0	6.7	0	0	7.2E1	0.439
7891	8478	Sisma X SLD	5.6	0	0	0	7.2E1	0.439	7892	8478	Sisma Y SLD	0	5.6	0	0	7.2E1	0.439
7893	8479	Sisma X SLV	13.6	0	0	0	7.7E1	0.439	7894	8479	Sisma Y SLV	0	13.6	0	0	7.7E1	0.439
7895	8479	Sisma X SLO	7.2	0	0	0	7.7E1	0.439	7896	8479	Sisma Y SLO	0	7.2	0	0	7.7E1	0.439
7897	8479	Sisma X SLD	6	0	0	0	7.7E1	0.439	7898	8479	Sisma Y SLD	0	6	0	0	7.7E1	0.439
7899	8480	Sisma X SLV	13.2	0	0	0	7.5E1	0.439	7900	8480	Sisma Y SLV	0	13.2	0	0	7.5E1	0.439
7901	8480	Sisma X SLO	7	0	0	0	7.5E1	0.439	7902	8480	Sisma Y SLO	0	7	0	0	7.5E1	0.439
7903	8480	Sisma X SLD	5.8	0	0	0	7.5E1	0.439	7904	8480	Sisma Y SLD	0	5.8	0	0	7.5E1	0.439
7905	8481	Sisma X SLV	17.3	0	0	0	98.82	0.439	7906	8481	Sisma Y SLV	0	17.3	0	0	98.82	0.439
7907	8481	Sisma X SLO	9.2	0	0	0	98.82	0.439	7908	8481	Sisma Y SLO	0	9.2	0	0	98.82	0.439
7909	8481	Sisma X SLD	7.7	0	0	0	98.82	0.439	7910	8481	Sisma Y SLD	0	7.7	0	0	98.82	0.439
7911	8482	Sisma X SLV	14.5	0	0	0	8.2E1	0.44	7912	8482	Sisma Y SLV	0	14.5	0	0	8.2E1	0.44

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
7913	8482	Sisma X SLO	7.7	0	0	0	8.2E1	0.44	7914	8482	Sisma Y SLO	0	7.7	0	0	8.2E1	0.44
7915	8482	Sisma X SLD	6.4	0	0	0	8.2E1	0.44	7916	8482	Sisma Y SLD	0	6.4	0	0	8.2E1	0.44
7917	8483	Sisma X SLV	9.9	0	0	0	5.6E1	0.441	7918	8483	Sisma Y SLV	0	9.9	0	0	5.6E1	0.441
7919	8483	Sisma X SLO	5.3	0	0	0	5.6E1	0.441	7920	8483	Sisma Y SLO	0	5.3	0	0	5.6E1	0.441
7921	8483	Sisma X SLD	4.4	0	0	0	5.6E1	0.441	7922	8483	Sisma Y SLD	0	4.4	0	0	5.6E1	0.441
7923	8484	Sisma X SLV	14.5	0	0	0	8.2E1	0.441	7924	8484	Sisma Y SLV	0	14.5	0	0	8.2E1	0.441
7925	8484	Sisma X SLO	7.7	0	0	0	8.2E1	0.441	7926	8484	Sisma Y SLO	0	7.7	0	0	8.2E1	0.441
7927	8484	Sisma X SLD	6.4	0	0	0	8.2E1	0.441	7928	8484	Sisma Y SLD	0	6.4	0	0	8.2E1	0.441
7929	8485	Sisma X SLV	12.7	0	0	0	7.2E1	0.441	7930	8485	Sisma Y SLV	0	12.7	0	0	7.2E1	0.441
7931	8485	Sisma X SLO	6.8	0	0	0	7.2E1	0.441	7932	8485	Sisma Y SLO	0	6.8	0	0	7.2E1	0.441
7933	8485	Sisma X SLD	5.6	0	0	0	7.2E1	0.441	7934	8485	Sisma Y SLD	0	5.6	0	0	7.2E1	0.441
7935	8486	Sisma X SLV	15.1	0	0	0	8.5E1	0.441	7936	8486	Sisma Y SLV	0	15.1	0	0	8.5E1	0.441
7937	8486	Sisma X SLO	8	0	0	0	8.5E1	0.441	7938	8486	Sisma Y SLO	0	8	0	0	8.5E1	0.441
7939	8486	Sisma X SLD	6.7	0	0	0	8.5E1	0.441	7940	8486	Sisma Y SLD	0	6.7	0	0	8.5E1	0.441
7941	8487	Sisma X SLV	11.2	0	0	0	6.3E1	0.442	7942	8487	Sisma Y SLV	0	11.2	0	0	6.3E1	0.442
7943	8487	Sisma X SLO	6	0	0	0	6.3E1	0.442	7944	8487	Sisma Y SLO	0	6	0	0	6.3E1	0.442
7945	8487	Sisma X SLD	4.9	0	0	0	6.3E1	0.442	7946	8487	Sisma Y SLD	0	4.9	0	0	6.3E1	0.442
7947	8488	Sisma X SLV	28.7	0	0	0	1.6E2	0.442	7948	8488	Sisma Y SLV	0	28.7	0	0	1.6E2	0.442
7949	8488	Sisma X SLO	15.3	0	0	0	1.6E2	0.442	7950	8488	Sisma Y SLO	0	15.3	0	0	1.6E2	0.442
7951	8488	Sisma X SLD	12.7	0	0	0	1.6E2	0.442	7952	8488	Sisma Y SLD	0	12.7	0	0	1.6E2	0.442
7953	8489	Sisma X SLV	6.7	0	0	0	3.8E1	0.442	7954	8489	Sisma Y SLV	0	6.7	0	0	3.8E1	0.442
7955	8489	Sisma X SLO	3.6	0	0	0	3.8E1	0.442	7956	8489	Sisma Y SLO	0	3.6	0	0	3.8E1	0.442
7957	8489	Sisma X SLD	3	0	0	0	3.8E1	0.442	7958	8489	Sisma Y SLD	0	3	0	0	3.8E1	0.442
7959	8490	Sisma X SLV	6.6	0	0	0	37.15	0.443	7960	8490	Sisma Y SLV	0	6.6	0	0	37.15	0.443
7961	8490	Sisma X SLO	3.5	0	0	0	37.15	0.443	7962	8490	Sisma Y SLO	0	3.5	0	0	37.15	0.443
7963	8490	Sisma X SLD	2.9	0	0	0	37.15	0.443	7964	8490	Sisma Y SLD	0	2.9	0	0	37.15	0.443
7965	8491	Sisma X SLV	6.9	0	0	0	3.9E1	0.443	7966	8491	Sisma Y SLV	0	6.9	0	0	3.9E1	0.443
7967	8491	Sisma X SLO	3.7	0	0	0	3.9E1	0.443	7968	8491	Sisma Y SLO	0	3.7	0	0	3.9E1	0.443
7969	8491	Sisma X SLD	3.1	0	0	0	3.9E1	0.443	7970	8491	Sisma Y SLD	0	3.1	0	0	3.9E1	0.443
7971	8492	Sisma X SLV	16.4	0	0	0	9.2E1	0.444	7972	8492	Sisma Y SLV	0	16.4	0	0	9.2E1	0.444
7973	8492	Sisma X SLO	8.7	0	0	0	9.2E1	0.444	7974	8492	Sisma Y SLO	0	8.7	0	0	9.2E1	0.444
7975	8492	Sisma X SLD	7.2	0	0	0	9.2E1	0.444	7976	8492	Sisma Y SLD	0	7.2	0	0	9.2E1	0.444
7977	8493	Sisma X SLV	18.2	0	0	0	1.0E2	0.444	7978	8493	Sisma Y SLV	0	18.2	0	0	1.0E2	0.444
7979	8493	Sisma X SLO	9.7	0	0	0	1.0E2	0.444	7980	8493	Sisma Y SLO	0	9.7	0	0	1.0E2	0.444
7981	8493	Sisma X SLD	8	0	0	0	1.0E2	0.444	7982	8493	Sisma Y SLD	0	8	0	0	1.0E2	0.444
7983	8494	Sisma X SLV	14.9	0	0	0	8.4E1	0.444	7984	8494	Sisma Y SLV	0	14.9	0	0	8.4E1	0.444
7985	8494	Sisma X SLO	8	0	0	0	8.4E1	0.444	7986	8494	Sisma Y SLO	0	8	0	0	8.4E1	0.444
7987	8494	Sisma X SLD	6.6	0	0	0	8.4E1	0.444	7988	8494	Sisma Y SLD	0	6.6	0	0	8.4E1	0.444
7989	8495	Sisma X SLV	7.9	0	0	0	4.5E1	0.444	7990	8495	Sisma Y SLV	0	7.9	0	0	4.5E1	0.444
7991	8495	Sisma X SLO	4.2	0	0	0	4.5E1	0.444	7992	8495	Sisma Y SLO	0	4.2	0	0	4.5E1	0.444
7993	8495	Sisma X SLD	3.5	0	0	0	4.5E1	0.444	7994	8495	Sisma Y SLD	0	3.5	0	0	4.5E1	0.444
7995	8496	Sisma X SLV	12.7	0	0	0	7.1E1	0.444	7996	8496	Sisma Y SLV	0	12.7	0	0	7.1E1	0.444
7997	8496	Sisma X SLO	6.8	0	0	0	7.1E1	0.444	7998	8496	Sisma Y SLO	0	6.8	0	0	7.1E1	0.444
7999	8496	Sisma X SLD	5.6	0	0	0	7.1E1	0.444	8000	8496	Sisma Y SLD	0	5.6	0	0	7.1E1	0.444
8001	8497	Sisma X SLV	11.2	0	0	0	6.3E1	0.444	8002	8497	Sisma Y SLV	0	11.2	0	0	6.3E1	0.444
8003	8497	Sisma X SLO	6	0	0	0	6.3E1	0.444	8004	8497	Sisma Y SLO	0	6	0	0	6.3E1	0.444
8005	8497	Sisma X SLD	5	0	0	0	6.3E1	0.444	8006	8497	Sisma Y SLD	0	5	0	0	6.3E1	0.444
8007	8498	Sisma X SLV	13.6	0	0	0	7.7E1	0.444	8008	8498	Sisma Y SLV	0	13.6	0	0	7.7E1	0.444
8009	8498	Sisma X SLO	7.3	0	0	0	7.7E1	0.444	8010	8498	Sisma Y SLO	0	7.3	0	0	7.7E1	0.444
8011	8498	Sisma X SLD	6	0	0	0	7.7E1	0.444	8012	8498	Sisma Y SLD	0	6	0	0	7.7E1	0.444
8013	8499	Sisma X SLV	6.5	0	0	0	36.77	0.444	8014	8499	Sisma Y SLV	0	6.5	0	0	36.77	0.444
8015	8499	Sisma X SLO	3.5	0	0	0	36.77	0.444	8016	8499	Sisma Y SLO	0	3.5	0	0	36.77	0.444
8017	8499	Sisma X SLD	2.9	0	0	0	36.77	0.444	8018	8499	Sisma Y SLD	0	2.9	0	0	36.77	0.444
8019	8500	Sisma X SLV	8.5	0	0	0	4.8E1	0.444	8020	8500	Sisma Y SLV	0	8.5	0	0	4.8E1	0.444
8021	8500	Sisma X SLO	4.5	0	0	0	4.8E1	0.444	8022	8500	Sisma Y SLO	0	4.5	0	0	4.8E1	0.444
8023	8500	Sisma X SLD	3.8	0	0	0	4.8E1	0.444	8024	8500	Sisma Y SLD	0	3.8	0	0	4.8E1	0.444
8025	8501	Sisma X SLV	6.5	0	0	0	3.7E1	0.445	8026	8501	Sisma Y SLV	0	6.5	0	0	3.7E1	0.445
8027	8501	Sisma X SLO	3.5	0	0	0	3.7E1	0.445	8028	8501	Sisma Y SLO	0	3.5	0	0	3.7E1	0.445
8029	8501	Sisma X SLD	2.9	0	0	0	3.7E1	0.445	8030	8501	Sisma Y SLD	0	2.9	0	0	3.7E1	0.445
8031	8502	Sisma X SLV	15.4	0	0	0	8.6E1	0.445	8032	8502	Sisma Y SLV	0	15.4	0	0	8.6E1	0.445
8033	8502	Sisma X SLO	8.2	0	0	0	8.6E1	0.445	8034	8502	Sisma Y SLO	0	8.2	0	0	8.6E1	0.445
8035	8502	Sisma X SLD	6.8	0	0	0	8.6E1	0.445	8036	8502	Sisma Y SLD	0	6.8	0	0	8.6E1	0.445
8037	8503	Sisma X SLV	6.7	0	0	0	3.8E1	0.445	8038	8503	Sisma Y SLV	0	6.7	0	0	3.8E1	0.445
8039	8503	Sisma X SLO	3.6	0	0	0	3.8E1	0.445	8040	8503	Sisma Y SLO	0	3.6	0	0	3.8E1	0.445
8041	8503	Sisma X SLD	3	0	0	0	3.8E1	0.445	8042	8503	Sisma Y SLD	0	3	0	0	3.8E1	0.445
8043	8504	Sisma X SLV	7.1	0	0	0	39.73	0.445	8044	8504	Sisma Y SLV	0	7.1	0	0	39.73	0.445
8045	8504	Sisma X SLO	3.8	0	0	0	39.73	0.445	8046	8504	Sisma Y SLO	0	3.8	0	0	39.73	0.445
8047	8504	Sisma X SLD	3.1	0	0	0	39.73	0.445	8048	8504	Sisma Y SLD	0	3.1	0	0	39.73	0.445
8049	8505	Sisma X SLV	14.8	0	0	0	8.3E1	0.445	8050	8505	Sisma Y SLV	0	14.8	0	0	8.3E1	0.445
8051	8505	Sisma X SLO	7.9	0	0	0	8.3E1	0.445	8052	8505	Sisma Y SLO	0	7.9	0	0	8.3E1	0.445
8053	8505	Sisma X SLD	6.6	0	0	0	8.3E1	0.445	8054	8505	Sisma Y SLD	0	6.6	0	0	8.3E1	0.445
8055	8506	Sisma X SLV	7.6	0	0	0	4.3E1	0.445	8056	8506	Sisma Y SLV	0	7.6	0	0	4.3E1	0.445
8057	8506	Sisma X SLO	4.1	0	0	0	4.3E1	0.445	8058	8506	Sisma Y SLO	0	4.1	0	0	4.3E1	0.445
8059	8506	Sisma X SLD	3.4	0	0	0	4.3E1	0.445	8060	8506	Sisma Y SLD	0	3.4	0	0	4.3E1	0.445
8061	8507	Sisma X SLV	29.5	0	0	0	1.7E2	0.445	8062	8507	Sisma Y SLV	0	29.5	0	0	1.7E2	0.445
8063	8507	Sisma X SLO	15.7	0	0	0	1.7E2	0.445	8064	8507	Sisma Y SLO	0	15.7	0	0	1.7E2	0.445
8065	8507	Sisma X SLD	13	0	0	0	1.7E2	0.445	8066	8507	Sisma Y SLD	0	13	0	0	1.7E2	0.445
8067	8508	Sisma X SLV	20.4	0	0	0	1.1E2	0.445	8068	8508	Sisma Y SLV	0	20.4	0	0	1.1E2	0.445
8069	8508	Sisma X SLO	10.9	0	0	0	1.1E2	0.445	8070	8508	Sisma Y SLO	0	10.9	0	0	1.1E2	0.445
8071	8508	Sisma X SLD	9	0	0	0	1.1E2	0.445	8072	8508	Sisma Y SLD	0	9	0	0	1.1E2	0.445
8073	8509	Sisma X SLV	15.5	0	0	0	8.7E1	0.445	8074	8509	Sisma Y SLV	0	15.5	0	0	8.7E1	0.445
8075	8509	Sisma X SLO	8.3	0	0	0	8.7E1	0.445	8076	8509	Sisma Y SLO	0	8.3	0	0	8.7E1	0.445
8077	8509	Sisma X SLD	6.8	0	0	0	8.7E1	0.445	8078	8509	Sisma Y SLD	0	6.8	0	0	8.7E1	0.445
8079	8510	Sisma X SLV	15.8	0	0	0	8.9E1	0.445	8080	8510	Sisma Y SLV	0	15.8	0	0	8.9E1	0.445
8081	8510	Sisma X SLO	8.4	0	0	0	8.9E1	0.445	8082	8510	Sisma Y SLO	0	8.4	0	0	8.9E1	0.445
8083	8510	Sisma X SLD	7	0	0	0	8.9E1	0.445	8084	8510	Sisma Y SLD	0	7	0	0	8.9E1	0.445
8085	8511	Sisma X SLV	25.2	0	0	0	1.4E2	0.445	8086	8511	Sisma Y SLV	0	25.2	0	0	1.4E2	0.445
8087	8511	Sisma X SLO	13.5	0	0	0	1.4E2	0.445	8088	8511	Sisma Y SLO	0	13.5	0	0	1.4E2	0.445
8089	8511	Sisma X SLD	11.2	0	0	0	1.4E2	0.445	8090	8511	Sisma Y SLD	0	11.2	0	0	1.4E2	0.445
8091	8512	Sisma X SLV	13.9	0	0	0	7.8E1	0.446	8092	8512	Sisma Y SLV	0	13.9	0	0	7.8E1	0.446
8093	8512	Sisma X SLO	7.4	0	0	0	7.8E1	0.446	8094	8512	Sisma Y SLO	0	7.4	0	0	7.8E1	0.446
8095	8512	Sisma X SLD	6.2	0	0	0	7.8E1	0.446	8096	8512	Sisma Y SLD	0	6.2	0	0	7.8E1	0.446
8097	8513	Sisma X SLV	12.7	0	0	0	7.1E1	0.446	8098	8513	Sisma Y SLV	0	12.7	0	0	7.1E1	0.446
8099	8513	Sisma X SLO	6.8	0	0	0	7.1E1	0.446	8100	8513	Sisma Y SLO	0	6.8	0	0	7.1E1	0.446
8101	8513	Sisma X SLD	5.6	0	0	0	7.1E1	0.446	8102	8513	Sisma Y SLD	0	5.6	0	0	7.1E1	0.446
8103	8514	Sisma X SLV	6.4	0	0	0	3.6E1	0.446	8104	8514	Sisma Y SLV	0	6.4	0	0	3.6E1	0.446
8105	8514	Sisma X SLO	3.4	0	0	0	3.6E1	0.446	8106	8514	Sisma Y SLO	0	3.4	0	0	3.6E1	0.446
8107	8514	Sisma X SLD	2.8	0	0	0	3.6E1	0.446	8108	8514	Sisma Y SLD	0	2.8	0	0	3.6E1	0.446
8109	8515	Sisma X SLV	13.8	0	0	0	7.7E1	0.446	8110	8515	Sisma Y SLV	0	13.8	0	0	7.7E1	0.446
8111	8515	Sisma X SLO	7.4	0	0	0	7.7E1	0.446	8112	8515	Sisma Y SLO	0	7.4	0	0	7.7E1	0.446

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
8113	8515	Sisma X SLD	6.1	0	0	0	7.7E1	0.446	8114	8515	Sisma Y SLD	0	6.1	0	0	7.7E1	0.446
8115	8516	Sisma X SLV	9.8	0	0	0	5.5E1	0.446	8116	8516	Sisma Y SLV	0	9.8	0	0	5.5E1	0.446
8117	8516	Sisma X SLO	5.2	0	0	0	5.5E1	0.446	8118	8516	Sisma Y SLO	0	5.2	0	0	5.5E1	0.446
8119	8516	Sisma X SLD	4.3	0	0	0	5.5E1	0.446	8120	8516	Sisma Y SLD	0	4.3	0	0	5.5E1	0.446
8121	8517	Sisma X SLV	29.9	0	0	0	1.7E2	0.447	8122	8517	Sisma Y SLV	0	29.9	0	0	1.7E2	0.447
8123	8517	Sisma X SLO	16	0	0	0	1.7E2	0.447	8124	8517	Sisma Y SLO	0	16	0	0	1.7E2	0.447
8125	8517	Sisma X SLD	13.2	0	0	0	1.7E2	0.447	8126	8517	Sisma Y SLD	0	13.2	0	0	1.7E2	0.447
8127	8518	Sisma X SLV	13.2	0	0	0	7.4E1	0.448	8128	8518	Sisma Y SLV	0	13.2	0	0	7.4E1	0.448
8129	8518	Sisma X SLO	7	0	0	0	7.4E1	0.448	8130	8518	Sisma Y SLO	0	7	0	0	7.4E1	0.448
8131	8518	Sisma X SLD	5.8	0	0	0	7.4E1	0.448	8132	8518	Sisma Y SLD	0	5.8	0	0	7.4E1	0.448
8133	8519	Sisma X SLV	9.3	0	0	0	5.2E1	0.448	8134	8519	Sisma Y SLV	0	9.3	0	0	5.2E1	0.448
8135	8519	Sisma X SLO	5	0	0	0	5.2E1	0.448	8136	8519	Sisma Y SLO	0	5	0	0	5.2E1	0.448
8137	8519	Sisma X SLD	4.1	0	0	0	5.2E1	0.448	8138	8519	Sisma Y SLD	0	4.1	0	0	5.2E1	0.448
8139	8520	Sisma X SLV	30.2	0	0	0	1.7E2	0.449	8140	8520	Sisma Y SLV	0	30.2	0	0	1.7E2	0.449
8141	8520	Sisma X SLO	16.1	0	0	0	1.7E2	0.449	8142	8520	Sisma Y SLO	0	16.1	0	0	1.7E2	0.449
8143	8520	Sisma X SLD	13.4	0	0	0	1.7E2	0.449	8144	8520	Sisma Y SLD	0	13.4	0	0	1.7E2	0.449
8145	8521	Sisma X SLV	7	0	0	0	3.9E1	0.45	8146	8521	Sisma Y SLV	0	7	0	0	3.9E1	0.45
8147	8521	Sisma X SLO	3.7	0	0	0	3.9E1	0.45	8148	8521	Sisma Y SLO	0	3.7	0	0	3.9E1	0.45
8149	8521	Sisma X SLD	3.1	0	0	0	3.9E1	0.45	8150	8521	Sisma Y SLD	0	3.1	0	0	3.9E1	0.45
8151	8522	Sisma X SLV	10.4	0	0	0	5.8E1	0.45	8152	8522	Sisma Y SLV	0	10.4	0	0	5.8E1	0.45
8153	8522	Sisma X SLO	5.6	0	0	0	5.8E1	0.45	8154	8522	Sisma Y SLO	0	5.6	0	0	5.8E1	0.45
8155	8522	Sisma X SLD	4.6	0	0	0	5.8E1	0.45	8156	8522	Sisma Y SLD	0	4.6	0	0	5.8E1	0.45
8157	8523	Sisma X SLV	9.2	0	0	0	5.1E1	0.45	8158	8523	Sisma Y SLV	0	9.2	0	0	5.1E1	0.45
8159	8523	Sisma X SLO	4.9	0	0	0	5.1E1	0.45	8160	8523	Sisma Y SLO	0	4.9	0	0	5.1E1	0.45
8161	8523	Sisma X SLD	4.1	0	0	0	5.1E1	0.45	8162	8523	Sisma Y SLD	0	4.1	0	0	5.1E1	0.45
8163	8524	Sisma X SLV	30.3	0	0	0	1.7E2	0.45	8164	8524	Sisma Y SLV	0	30.3	0	0	1.7E2	0.45
8165	8524	Sisma X SLO	16.1	0	0	0	1.7E2	0.45	8166	8524	Sisma Y SLO	0	16.1	0	0	1.7E2	0.45
8167	8524	Sisma X SLD	13.4	0	0	0	1.7E2	0.45	8168	8524	Sisma Y SLD	0	13.4	0	0	1.7E2	0.45
8169	8525	Sisma X SLV	10.9	0	0	0	6.1E1	0.45	8170	8525	Sisma Y SLV	0	10.9	0	0	6.1E1	0.45
8171	8525	Sisma X SLO	5.8	0	0	0	6.1E1	0.45	8172	8525	Sisma Y SLO	0	5.8	0	0	6.1E1	0.45
8173	8525	Sisma X SLD	4.8	0	0	0	6.1E1	0.45	8174	8525	Sisma Y SLD	0	4.8	0	0	6.1E1	0.45
8175	8526	Sisma X SLV	7.4	0	0	0	4.1E1	0.451	8176	8526	Sisma Y SLV	0	7.4	0	0	4.1E1	0.451
8177	8526	Sisma X SLO	3.9	0	0	0	4.1E1	0.451	8178	8526	Sisma Y SLO	0	3.9	0	0	4.1E1	0.451
8179	8526	Sisma X SLD	3.3	0	0	0	4.1E1	0.451	8180	8526	Sisma Y SLD	0	3.3	0	0	4.1E1	0.451
8181	8527	Sisma X SLV	30.2	0	0	0	1.7E2	0.451	8182	8527	Sisma Y SLV	0	30.2	0	0	1.7E2	0.451
8183	8527	Sisma X SLO	16.1	0	0	0	1.7E2	0.451	8184	8527	Sisma Y SLO	0	16.1	0	0	1.7E2	0.451
8185	8527	Sisma X SLD	13.4	0	0	0	1.7E2	0.451	8186	8527	Sisma Y SLD	0	13.4	0	0	1.7E2	0.451
8187	8528	Sisma X SLV	7.9	0	0	0	4.4E1	0.451	8188	8528	Sisma Y SLV	0	7.9	0	0	4.4E1	0.451
8189	8528	Sisma X SLO	4.2	0	0	0	4.4E1	0.451	8190	8528	Sisma Y SLO	0	4.2	0	0	4.4E1	0.451
8191	8528	Sisma X SLD	3.5	0	0	0	4.4E1	0.451	8192	8528	Sisma Y SLD	0	3.5	0	0	4.4E1	0.451
8193	8529	Sisma X SLV	14.7	0	0	0	8.2E1	0.451	8194	8529	Sisma Y SLV	0	14.7	0	0	8.2E1	0.451
8195	8529	Sisma X SLO	7.9	0	0	0	8.2E1	0.451	8196	8529	Sisma Y SLO	0	7.9	0	0	8.2E1	0.451
8197	8529	Sisma X SLD	6.5	0	0	0	8.2E1	0.451	8198	8529	Sisma Y SLD	0	6.5	0	0	8.2E1	0.451
8199	8530	Sisma X SLV	21.5	0	0	0	1.2E2	0.452	8200	8530	Sisma Y SLV	0	21.5	0	0	1.2E2	0.452
8201	8530	Sisma X SLO	11.4	0	0	0	1.2E2	0.452	8202	8530	Sisma Y SLO	0	11.4	0	0	1.2E2	0.452
8203	8530	Sisma X SLD	9.5	0	0	0	1.2E2	0.452	8204	8530	Sisma Y SLD	0	9.5	0	0	1.2E2	0.452
8205	8531	Sisma X SLV	30	0	0	0	1.7E2	0.452	8206	8531	Sisma Y SLV	0	30	0	0	1.7E2	0.452
8207	8531	Sisma X SLO	16	0	0	0	1.7E2	0.452	8208	8531	Sisma Y SLO	0	16	0	0	1.7E2	0.452
8209	8531	Sisma X SLD	13.3	0	0	0	1.7E2	0.452	8210	8531	Sisma Y SLD	0	13.3	0	0	1.7E2	0.452
8211	8532	Sisma X SLV	6.4	0	0	0	3.5E1	0.452	8212	8532	Sisma Y SLV	0	6.4	0	0	3.5E1	0.452
8213	8532	Sisma X SLO	3.4	0	0	0	3.5E1	0.452	8214	8532	Sisma Y SLO	0	3.4	0	0	3.5E1	0.452
8215	8532	Sisma X SLD	2.8	0	0	0	3.5E1	0.452	8216	8532	Sisma Y SLD	0	2.8	0	0	3.5E1	0.452
8217	8533	Sisma X SLV	8.6	0	0	0	4.7E1	0.452	8218	8533	Sisma Y SLV	0	8.6	0	0	4.7E1	0.452
8219	8533	Sisma X SLO	4.6	0	0	0	4.7E1	0.452	8220	8533	Sisma Y SLO	0	4.6	0	0	4.7E1	0.452
8221	8533	Sisma X SLD	3.8	0	0	0	4.7E1	0.452	8222	8533	Sisma Y SLD	0	3.8	0	0	4.7E1	0.452
8223	8534	Sisma X SLV	26.6	0	0	0	1.5E2	0.453	8224	8534	Sisma Y SLV	0	26.6	0	0	1.5E2	0.453
8225	8534	Sisma X SLO	14.2	0	0	0	1.5E2	0.453	8226	8534	Sisma Y SLO	0	14.2	0	0	1.5E2	0.453
8227	8534	Sisma X SLD	11.8	0	0	0	1.5E2	0.453	8228	8534	Sisma Y SLD	0	11.8	0	0	1.5E2	0.453
8229	8535	Sisma X SLV	35.6	0	0	0	197	0.453	8230	8535	Sisma Y SLV	0	35.6	0	0	197	0.453
8231	8535	Sisma X SLO	19	0	0	0	197	0.453	8232	8535	Sisma Y SLO	0	19	0	0	197	0.453
8233	8535	Sisma X SLD	15.8	0	0	0	197	0.453	8234	8535	Sisma Y SLD	0	15.8	0	0	197	0.453
8235	8536	Sisma X SLV	29.8	0	0	0	1.6E2	0.453	8236	8536	Sisma Y SLV	0	29.8	0	0	1.6E2	0.453
8237	8536	Sisma X SLO	15.9	0	0	0	1.6E2	0.453	8238	8536	Sisma Y SLO	0	15.9	0	0	1.6E2	0.453
8239	8536	Sisma X SLD	13.2	0	0	0	1.6E2	0.453	8240	8536	Sisma Y SLD	0	13.2	0	0	1.6E2	0.453
8241	8537	Sisma X SLV	6.8	0	0	0	3.8E1	0.453	8242	8537	Sisma Y SLV	0	6.8	0	0	3.8E1	0.453
8243	8537	Sisma X SLO	3.6	0	0	0	3.8E1	0.453	8244	8537	Sisma Y SLO	0	3.6	0	0	3.8E1	0.453
8245	8537	Sisma X SLD	3	0	0	0	3.8E1	0.453	8246	8537	Sisma Y SLD	0	3	0	0	3.8E1	0.453
8247	8538	Sisma X SLV	29.6	0	0	0	1.6E2	0.453	8248	8538	Sisma Y SLV	0	29.6	0	0	1.6E2	0.453
8249	8538	Sisma X SLO	15.8	0	0	0	1.6E2	0.453	8250	8538	Sisma Y SLO	0	15.8	0	0	1.6E2	0.453
8251	8538	Sisma X SLD	13.1	0	0	0	1.6E2	0.453	8252	8538	Sisma Y SLD	0	13.1	0	0	1.6E2	0.453
8253	8539	Sisma X SLV	7.4	0	0	0	4.1E1	0.454	8254	8539	Sisma Y SLV	0	7.4	0	0	4.1E1	0.454
8255	8539	Sisma X SLO	4	0	0	0	4.1E1	0.454	8256	8539	Sisma Y SLO	0	4	0	0	4.1E1	0.454
8257	8539	Sisma X SLD	3.3	0	0	0	4.1E1	0.454	8258	8539	Sisma Y SLD	0	3.3	0	0	4.1E1	0.454
8259	8540	Sisma X SLV	21.7	0	0	0	1.2E2	0.454	8260	8540	Sisma Y SLV	0	21.7	0	0	1.2E2	0.454
8261	8540	Sisma X SLO	11.6	0	0	0	1.2E2	0.454	8262	8540	Sisma Y SLO	0	11.6	0	0	1.2E2	0.454
8263	8540	Sisma X SLD	9.6	0	0	0	1.2E2	0.454	8264	8540	Sisma Y SLD	0	9.6	0	0	1.2E2	0.454
8265	8541	Sisma X SLV	21	0	0	0	1.2E2	0.454	8266	8541	Sisma Y SLV	0	21	0	0	1.2E2	0.454
8267	8541	Sisma X SLO	11.2	0	0	0	1.2E2	0.454	8268	8541	Sisma Y SLO	0	11.2	0	0	1.2E2	0.454
8269	8541	Sisma X SLD	9.3	0	0	0	1.2E2	0.454	8270	8541	Sisma Y SLD	0	9.3	0	0	1.2E2	0.454
8271	8542	Sisma X SLV	20.9	0	0	0	1.1E2	0.454	8272	8542	Sisma Y SLV	0	20.9	0	0	1.1E2	0.454
8273	8542	Sisma X SLO	11.1	0	0	0	1.1E2	0.454	8274	8542	Sisma Y SLO	0	11.1	0	0	1.1E2	0.454
8275	8542	Sisma X SLD	9.2	0	0	0	1.1E2	0.454	8276	8542	Sisma Y SLD	0	9.2	0	0	1.1E2	0.454
8277	8543	Sisma X SLV	29.6	0	0	0	1.6E2	0.454	8278	8543	Sisma Y SLV	0	29.6	0	0	1.6E2	0.454
8279	8543	Sisma X SLO	15.8	0	0	0	1.6E2	0.454	8280	8543	Sisma Y SLO	0	15.8	0	0	1.6E2	0.454
8281	8543	Sisma X SLD	13.1	0	0	0	1.6E2	0.454	8282	8543	Sisma Y SLD	0	13.1	0	0	1.6E2	0.454
8283	8544	Sisma X SLV	9.7	0	0	0	5.4E1	0.454	8284	8544	Sisma Y SLV	0	9.7	0	0	5.4E1	0.454
8285	8544	Sisma X SLO	5.2	0	0	0	5.4E1	0.454	8286	8544	Sisma Y SLO	0	5.2	0	0	5.4E1	0.454
8287	8544	Sisma X SLD	4.3	0	0	0	5.4E1	0.454	8288	8544	Sisma Y SLD	0	4.3	0	0	5.4E1	0.454
8289	8545	Sisma X SLV	6.1	0	0	0	3.4E1	0.455	8290	8545	Sisma Y SLV	0	6.1	0	0	3.4E1	0.455
8291	8545	Sisma X SLO	3.3	0	0	0	3.4E1	0.455	8292	8545	Sisma Y SLO	0	3.3	0	0	3.4E1	0.455
8293	8545	Sisma X SLD	2.7	0	0	0	3.4E1	0.455	8294	8545	Sisma Y SLD	0	2.7	0	0	3.4E1	0.455
8295	8546	Sisma X SLV	7.9	0	0	0	4.3E1	0.455	8296	8546	Sisma Y SLV	0	7.9	0	0	4.3E1	0.455
8297	8546	Sisma X SLO	4.2	0	0	0	4.3E1	0.455	8298	8546	Sisma Y SLO	0	4.2	0	0	4.3E1	0.455
8299	8546	Sisma X SLD	3.5	0	0	0	4.3E1	0.455	8300	8546	Sisma Y SLD	0	3.5	0	0	4.3E1	0.455
8301	8547	Sisma X SLV	6.2	0	0	0	3.4E1	0.455	8302	8547	Sisma Y SLV	0	6.2	0	0	3.4E1	0.455
8303	8547	Sisma X SLO	3.3	0	0	0	3.4E1	0.455	8304	8547	Sisma Y SLO	0	3.3	0	0	3.4E1	0.455
8305	8547	Sisma X SLD	2.8	0	0	0	3.4E1	0.455	8306	8547	Sisma Y SLD	0	2.8	0	0	3.4E1	0.455
8307	8548	Sisma X SLV	35.2	0	0	0	1.9E2	0.455	8308	8548	Sisma Y SLV	0	35.2	0	0	1.9E2	0.455
8309	8548	Sisma X SLO	18.8	0	0	0	1.9E2	0.455	8310	8548	Sisma Y SLO	0	18.8	0	0	1.9E2	0.455
8311	8548	Sisma X SLD	15.6	0	0	0	1.9E2	0.455	8312	8548	Sisma Y SLD	0	15.6	0	0	1.9E2	0.455

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
8313	8549	Sisma X SLV	20.4	0	0	0	1.1E2	0.455	8314	8549	Sisma Y SLV	0	20.4	0	0	1.1E2	0.455
8315	8549	Sisma X SLO	10.9	0	0	0	1.1E2	0.455	8316	8549	Sisma Y SLO	0	10.9	0	0	1.1E2	0.455
8317	8549	Sisma X SLD	9	0	0	0	1.1E2	0.455	8318	8549	Sisma Y SLD	0	9	0	0	1.1E2	0.455
8319	8550	Sisma X SLV	14.3	0	0	0	7.8E1	0.455	8320	8550	Sisma Y SLV	0	14.3	0	0	7.8E1	0.455
8321	8550	Sisma X SLO	7.6	0	0	0	7.8E1	0.455	8322	8550	Sisma Y SLO	0	7.6	0	0	7.8E1	0.455
8323	8550	Sisma X SLD	6.3	0	0	0	7.8E1	0.455	8324	8550	Sisma Y SLD	0	6.3	0	0	7.8E1	0.455
8325	8551	Sisma X SLV	30.7	0	0	0	1.7E2	0.455	8326	8551	Sisma Y SLV	0	30.7	0	0	1.7E2	0.455
8327	8551	Sisma X SLO	16.4	0	0	0	1.7E2	0.455	8328	8551	Sisma Y SLO	0	16.4	0	0	1.7E2	0.455
8329	8551	Sisma X SLD	13.6	0	0	0	1.7E2	0.455	8330	8551	Sisma Y SLD	0	13.6	0	0	1.7E2	0.455
8331	8552	Sisma X SLV	19.1	0	0	0	1.0E2	0.455	8332	8552	Sisma Y SLV	0	19.1	0	0	1.0E2	0.455
8333	8552	Sisma X SLO	10.2	0	0	0	1.0E2	0.455	8334	8552	Sisma Y SLO	0	10.2	0	0	1.0E2	0.455
8335	8552	Sisma X SLD	8.4	0	0	0	1.0E2	0.455	8336	8552	Sisma Y SLD	0	8.4	0	0	1.0E2	0.455
8337	8553	Sisma X SLV	9.5	0	0	0	5.2E1	0.455	8338	8553	Sisma Y SLV	0	9.5	0	0	5.2E1	0.455
8339	8553	Sisma X SLO	5.1	0	0	0	5.2E1	0.455	8340	8553	Sisma Y SLO	0	5.1	0	0	5.2E1	0.455
8341	8553	Sisma X SLD	4.2	0	0	0	5.2E1	0.455	8342	8553	Sisma Y SLD	0	4.2	0	0	5.2E1	0.455
8343	8554	Sisma X SLV	11.4	0	0	0	6.3E1	0.455	8344	8554	Sisma Y SLV	0	11.4	0	0	6.3E1	0.455
8345	8554	Sisma X SLO	6.1	0	0	0	6.3E1	0.455	8346	8554	Sisma Y SLO	0	6.1	0	0	6.3E1	0.455
8347	8554	Sisma X SLD	5.1	0	0	0	6.3E1	0.455	8348	8554	Sisma Y SLD	0	5.1	0	0	6.3E1	0.455
8349	8555	Sisma X SLV	11.4	0	0	0	6.3E1	0.455	8350	8555	Sisma Y SLV	0	11.4	0	0	6.3E1	0.455
8351	8555	Sisma X SLO	6.1	0	0	0	6.3E1	0.455	8352	8555	Sisma Y SLO	0	6.1	0	0	6.3E1	0.455
8353	8555	Sisma X SLD	5.1	0	0	0	6.3E1	0.455	8354	8555	Sisma Y SLD	0	5.1	0	0	6.3E1	0.455
8355	8556	Sisma X SLV	9.3	0	0	0	5.1E1	0.455	8356	8556	Sisma Y SLV	0	9.3	0	0	5.1E1	0.455
8357	8556	Sisma X SLO	5	0	0	0	5.1E1	0.455	8358	8556	Sisma Y SLO	0	5	0	0	5.1E1	0.455
8359	8556	Sisma X SLD	4.1	0	0	0	5.1E1	0.455	8360	8556	Sisma Y SLD	0	4.1	0	0	5.1E1	0.455
8361	8557	Sisma X SLV	9.3	0	0	0	5.1E1	0.455	8362	8557	Sisma Y SLV	0	9.3	0	0	5.1E1	0.455
8363	8557	Sisma X SLO	5	0	0	0	5.1E1	0.455	8364	8557	Sisma Y SLO	0	5	0	0	5.1E1	0.455
8365	8557	Sisma X SLD	4.1	0	0	0	5.1E1	0.455	8366	8557	Sisma Y SLD	0	4.1	0	0	5.1E1	0.455
8367	8558	Sisma X SLV	10.9	0	0	0	6.0E1	0.455	8368	8558	Sisma Y SLV	0	10.9	0	0	6.0E1	0.455
8369	8558	Sisma X SLO	5.8	0	0	0	6.0E1	0.455	8370	8558	Sisma Y SLO	0	5.8	0	0	6.0E1	0.455
8371	8558	Sisma X SLD	4.8	0	0	0	6.0E1	0.455	8372	8558	Sisma Y SLD	0	4.8	0	0	6.0E1	0.455
8373	8559	Sisma X SLV	10	0	0	0	5.5E1	0.455	8374	8559	Sisma Y SLV	0	10	0	0	5.5E1	0.455
8375	8559	Sisma X SLO	5.4	0	0	0	5.5E1	0.455	8376	8559	Sisma Y SLO	0	5.4	0	0	5.5E1	0.455
8377	8559	Sisma X SLD	4.4	0	0	0	5.5E1	0.455	8378	8559	Sisma Y SLD	0	4.4	0	0	5.5E1	0.455
8379	8560	Sisma X SLV	9.1	0	0	0	49.83	0.455	8380	8560	Sisma Y SLV	0	9.1	0	0	49.83	0.455
8381	8560	Sisma X SLO	4.8	0	0	0	49.83	0.455	8382	8560	Sisma Y SLO	0	4.8	0	0	49.83	0.455
8383	8560	Sisma X SLD	4	0	0	0	49.83	0.455	8384	8560	Sisma Y SLD	0	4	0	0	49.83	0.455
8385	8561	Sisma X SLV	9.2	0	0	0	5.1E1	0.455	8386	8561	Sisma Y SLV	0	9.2	0	0	5.1E1	0.455
8387	8561	Sisma X SLO	4.9	0	0	0	5.1E1	0.455	8388	8561	Sisma Y SLO	0	4.9	0	0	5.1E1	0.455
8389	8561	Sisma X SLD	4.1	0	0	0	5.1E1	0.455	8390	8561	Sisma Y SLD	0	4.1	0	0	5.1E1	0.455
8391	8562	Sisma X SLV	11.6	0	0	0	6.4E1	0.455	8392	8562	Sisma Y SLV	0	11.6	0	0	6.4E1	0.455
8393	8562	Sisma X SLO	6.2	0	0	0	6.4E1	0.455	8394	8562	Sisma Y SLO	0	6.2	0	0	6.4E1	0.455
8395	8562	Sisma X SLD	5.1	0	0	0	6.4E1	0.455	8396	8562	Sisma Y SLD	0	5.1	0	0	6.4E1	0.455
8397	8563	Sisma X SLV	12.1	0	0	0	6.6E1	0.455	8398	8563	Sisma Y SLV	0	12.1	0	0	6.6E1	0.455
8399	8563	Sisma X SLO	6.4	0	0	0	6.6E1	0.455	8400	8563	Sisma Y SLO	0	6.4	0	0	6.6E1	0.455
8401	8563	Sisma X SLD	5.3	0	0	0	6.6E1	0.455	8402	8563	Sisma Y SLD	0	5.3	0	0	6.6E1	0.455
8403	8564	Sisma X SLV	10.6	0	0	0	5.9E1	0.455	8404	8564	Sisma Y SLV	0	10.6	0	0	5.9E1	0.455
8405	8564	Sisma X SLO	5.7	0	0	0	5.9E1	0.455	8406	8564	Sisma Y SLO	0	5.7	0	0	5.9E1	0.455
8407	8564	Sisma X SLD	4.7	0	0	0	5.9E1	0.455	8408	8564	Sisma Y SLD	0	4.7	0	0	5.9E1	0.455
8409	8565	Sisma X SLV	10.7	0	0	0	5.9E1	0.455	8410	8565	Sisma Y SLV	0	10.7	0	0	5.9E1	0.455
8411	8565	Sisma X SLO	5.7	0	0	0	5.9E1	0.455	8412	8565	Sisma Y SLO	0	5.7	0	0	5.9E1	0.455
8413	8565	Sisma X SLD	4.7	0	0	0	5.9E1	0.455	8414	8565	Sisma Y SLD	0	4.7	0	0	5.9E1	0.455
8415	8566	Sisma X SLV	12.5	0	0	0	6.9E1	0.455	8416	8566	Sisma Y SLV	0	12.5	0	0	6.9E1	0.455
8417	8566	Sisma X SLO	6.7	0	0	0	6.9E1	0.455	8418	8566	Sisma Y SLO	0	6.7	0	0	6.9E1	0.455
8419	8566	Sisma X SLD	5.5	0	0	0	6.9E1	0.455	8420	8566	Sisma Y SLD	0	5.5	0	0	6.9E1	0.455
8421	8567	Sisma X SLV	11.6	0	0	0	6.4E1	0.455	8422	8567	Sisma Y SLV	0	11.6	0	0	6.4E1	0.455
8423	8567	Sisma X SLO	6.2	0	0	0	6.4E1	0.455	8424	8567	Sisma Y SLO	0	6.2	0	0	6.4E1	0.455
8425	8567	Sisma X SLD	5.1	0	0	0	6.4E1	0.455	8426	8567	Sisma Y SLD	0	5.1	0	0	6.4E1	0.455
8427	8568	Sisma X SLV	9.2	0	0	0	5.1E1	0.455	8428	8568	Sisma Y SLV	0	9.2	0	0	5.1E1	0.455
8429	8568	Sisma X SLO	4.9	0	0	0	5.1E1	0.455	8430	8568	Sisma Y SLO	0	4.9	0	0	5.1E1	0.455
8431	8568	Sisma X SLD	4.1	0	0	0	5.1E1	0.455	8432	8568	Sisma Y SLD	0	4.1	0	0	5.1E1	0.455
8433	8569	Sisma X SLV	9.1	0	0	0	5.0E1	0.455	8434	8569	Sisma Y SLV	0	9.1	0	0	5.0E1	0.455
8435	8569	Sisma X SLO	4.9	0	0	0	5.0E1	0.455	8436	8569	Sisma Y SLO	0	4.9	0	0	5.0E1	0.455
8437	8569	Sisma X SLD	4	0	0	0	5.0E1	0.455	8438	8569	Sisma Y SLD	0	4	0	0	5.0E1	0.455
8439	8570	Sisma X SLV	10.3	0	0	0	5.7E1	0.455	8440	8570	Sisma Y SLV	0	10.3	0	0	5.7E1	0.455
8441	8570	Sisma X SLO	5.5	0	0	0	5.7E1	0.455	8442	8570	Sisma Y SLO	0	5.5	0	0	5.7E1	0.455
8443	8570	Sisma X SLD	4.6	0	0	0	5.7E1	0.455	8444	8570	Sisma Y SLD	0	4.6	0	0	5.7E1	0.455
8445	8571	Sisma X SLV	12	0	0	0	6.6E1	0.455	8446	8571	Sisma Y SLV	0	12	0	0	6.6E1	0.455
8447	8571	Sisma X SLO	6.4	0	0	0	6.6E1	0.455	8448	8571	Sisma Y SLO	0	6.4	0	0	6.6E1	0.455
8449	8571	Sisma X SLD	5.3	0	0	0	6.6E1	0.455	8450	8571	Sisma Y SLD	0	5.3	0	0	6.6E1	0.455
8451	8572	Sisma X SLV	10.8	0	0	0	5.9E1	0.455	8452	8572	Sisma Y SLV	0	10.8	0	0	5.9E1	0.455
8453	8572	Sisma X SLO	5.7	0	0	0	5.9E1	0.455	8454	8572	Sisma Y SLO	0	5.7	0	0	5.9E1	0.455
8455	8572	Sisma X SLD	4.8	0	0	0	5.9E1	0.455	8456	8572	Sisma Y SLD	0	4.8	0	0	5.9E1	0.455
8457	8573	Sisma X SLV	10.4	0	0	0	5.7E1	0.455	8458	8573	Sisma Y SLV	0	10.4	0	0	5.7E1	0.455
8459	8573	Sisma X SLO	5.5	0	0	0	5.7E1	0.455	8460	8573	Sisma Y SLO	0	5.5	0	0	5.7E1	0.455
8461	8573	Sisma X SLD	4.6	0	0	0	5.7E1	0.455	8462	8573	Sisma Y SLD	0	4.6	0	0	5.7E1	0.455
8463	8574	Sisma X SLV	12.9	0	0	0	7.1E1	0.455	8464	8574	Sisma Y SLV	0	12.9	0	0	7.1E1	0.455
8465	8574	Sisma X SLO	6.9	0	0	0	7.1E1	0.455	8466	8574	Sisma Y SLO	0	6.9	0	0	7.1E1	0.455
8467	8574	Sisma X SLD	5.7	0	0	0	7.1E1	0.455	8468	8574	Sisma Y SLD	0	5.7	0	0	7.1E1	0.455
8469	8575	Sisma X SLV	11.4	0	0	0	6.3E1	0.455	8470	8575	Sisma Y SLV	0	11.4	0	0	6.3E1	0.455
8471	8575	Sisma X SLO	6.1	0	0	0	6.3E1	0.455	8472	8575	Sisma Y SLO	0	6.1	0	0	6.3E1	0.455
8473	8575	Sisma X SLD	5.1	0	0	0	6.3E1	0.455	8474	8575	Sisma Y SLD	0	5.1	0	0	6.3E1	0.455
8475	8576	Sisma X SLV	9.2	0	0	0	50.84	0.455	8476	8576	Sisma Y SLV	0	9.2	0	0	50.84	0.455
8477	8576	Sisma X SLO	4.9	0	0	0	50.84	0.455	8478	8576	Sisma Y SLO	0	4.9	0	0	50.84	0.455
8479	8576	Sisma X SLD	4.1	0	0	0	50.84	0.455	8480	8576	Sisma Y SLD	0	4.1	0	0	50.84	0.455
8481	8577	Sisma X SLV	9.2	0	0	0	5.1E1	0.455	8482	8577	Sisma Y SLV	0	9.2	0	0	5.1E1	0.455
8483	8577	Sisma X SLO	4.9	0	0	0	5.1E1	0.455	8484	8577	Sisma Y SLO	0	4.9	0	0	5.1E1	0.455
8485	8577	Sisma X SLD	4.1	0	0	0	5.1E1	0.455	8486	8577	Sisma Y SLD	0	4.1	0	0	5.1E1	0.455
8487	8578	Sisma X SLV	10.8	0	0	0	5.9E1	0.455	8488	8578	Sisma Y SLV	0	10.8	0	0	5.9E1	0.455
8489	8578	Sisma X SLO	5.8	0	0	0	5.9E1	0.455	8490	8578	Sisma Y SLO	0	5.8	0	0	5.9E1	0.455
8491	8578	Sisma X SLD	4.8	0	0	0	5.9E1	0.455	8492	8578	Sisma Y SLD	0	4.8	0	0	5.9E1	0.455
8493	8579	Sisma X SLV	10.1	0	0	0	5.5E1	0.455	8494	8579	Sisma Y SLV	0	10.1	0	0	5.5E1	0.455
8495	8579	Sisma X SLO	5.4	0	0	0	5.5E1	0.455	8496	8579	Sisma Y SLO	0	5.4	0	0	5.5E1	0.455
8497	8579	Sisma X SLD	4.5	0	0	0	5.5E1	0.455	8498	8579	Sisma Y SLD	0	4.5	0	0	5.5E1	0.455
8499	8580	Sisma X SLV	18.8	0	0	0	1.0E2	0.455	8500	8580	Sisma Y SLV	0	18.8	0	0	1.0E2	0.455
8501	8580	Sisma X SLO	10	0	0	0	1.0E2	0.455	8502	8580	Sisma Y SLO	0	10	0	0	1.0E2	0.455
8503	8580	Sisma X SLD	8.3	0	0	0	1.0E2	0.455	8504	8580	Sisma Y SLD	0	8.3	0	0	1.0E2	0.455
8505	8581	Sisma X SLV	16.5	0	0	0	9.1E1	0.455	8506	8581	Sisma Y SLV	0	16.5	0	0	9.1E1	0.455
8507	8581	Sisma X SLO	8.8	0	0	0	9.1E1	0.455	8508	8581	Sisma Y SLO	0	8.8	0	0	9.1E1	0.455
8509	8581	Sisma X SLD	7.3	0	0	0	9.1E1	0.455	8510	8581	Sisma Y SLD	0	7.3	0	0	9.1E1	0.455
8511	8582	Sisma X SLV	11.6	0	0	0	6.4E1	0.455	8512	8582	Sisma Y SLV	0	11.6	0	0	6.4E1	0.455

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
8513	8582	Sisma X SLO	6.2	0	0	0	6.4E1	0.455	8514	8582	Sisma Y SLO	0	6.2	0	0	6.4E1	0.455
8515	8582	Sisma X SLD	5.1	0	0	0	6.4E1	0.455	8516	8582	Sisma Y SLD	0	5.1	0	0	6.4E1	0.455
8517	8583	Sisma X SLV	11.4	0	0	0	6.3E1	0.455	8518	8583	Sisma Y SLV	0	11.4	0	0	6.3E1	0.455
8519	8583	Sisma X SLO	6.1	0	0	0	6.3E1	0.455	8520	8583	Sisma Y SLO	0	6.1	0	0	6.3E1	0.455
8521	8583	Sisma X SLD	5.1	0	0	0	6.3E1	0.455	8522	8583	Sisma Y SLD	0	5.1	0	0	6.3E1	0.455
8523	8584	Sisma X SLV	12.5	0	0	0	6.9E1	0.455	8524	8584	Sisma Y SLV	0	12.5	0	0	6.9E1	0.455
8525	8584	Sisma X SLO	6.7	0	0	0	6.9E1	0.455	8526	8584	Sisma Y SLO	0	6.7	0	0	6.9E1	0.455
8527	8584	Sisma X SLD	5.5	0	0	0	6.9E1	0.455	8528	8584	Sisma Y SLD	0	5.5	0	0	6.9E1	0.455
8529	8585	Sisma X SLV	11.4	0	0	0	6.3E1	0.455	8530	8585	Sisma Y SLV	0	11.4	0	0	6.3E1	0.455
8531	8585	Sisma X SLO	6.1	0	0	0	6.3E1	0.455	8532	8585	Sisma Y SLO	0	6.1	0	0	6.3E1	0.455
8533	8585	Sisma X SLD	5	0	0	0	6.3E1	0.455	8534	8585	Sisma Y SLD	0	5	0	0	6.3E1	0.455
8535	8586	Sisma X SLV	10.1	0	0	0	5.6E1	0.455	8536	8586	Sisma Y SLV	0	10.1	0	0	5.6E1	0.455
8537	8586	Sisma X SLO	5.4	0	0	0	5.6E1	0.455	8538	8586	Sisma Y SLO	0	5.4	0	0	5.6E1	0.455
8539	8586	Sisma X SLD	4.5	0	0	0	5.6E1	0.455	8540	8586	Sisma Y SLD	0	4.5	0	0	5.6E1	0.455
8541	8587	Sisma X SLV	10.3	0	0	0	5.7E1	0.455	8542	8587	Sisma Y SLV	0	10.3	0	0	5.7E1	0.455
8543	8587	Sisma X SLO	5.5	0	0	0	5.7E1	0.455	8544	8587	Sisma Y SLO	0	5.5	0	0	5.7E1	0.455
8545	8587	Sisma X SLD	4.6	0	0	0	5.7E1	0.455	8546	8587	Sisma Y SLD	0	4.6	0	0	5.7E1	0.455
8547	8588	Sisma X SLV	13.1	0	0	0	72.06	0.455	8548	8588	Sisma Y SLV	0	13.1	0	0	72.06	0.455
8549	8588	Sisma X SLO	7	0	0	0	72.06	0.455	8550	8588	Sisma Y SLO	0	7	0	0	72.06	0.455
8551	8588	Sisma X SLD	5.8	0	0	0	72.06	0.455	8552	8588	Sisma Y SLD	0	5.8	0	0	72.06	0.455
8553	8589	Sisma X SLV	13.9	0	0	0	7.7E1	0.455	8554	8589	Sisma Y SLV	0	13.9	0	0	7.7E1	0.455
8555	8589	Sisma X SLO	7.4	0	0	0	7.7E1	0.455	8556	8589	Sisma Y SLO	0	7.4	0	0	7.7E1	0.455
8557	8589	Sisma X SLD	6.2	0	0	0	7.7E1	0.455	8558	8589	Sisma Y SLD	0	6.2	0	0	7.7E1	0.455
8559	8590	Sisma X SLV	14.1	0	0	0	7.8E1	0.455	8560	8590	Sisma Y SLV	0	14.1	0	0	7.8E1	0.455
8561	8590	Sisma X SLO	7.5	0	0	0	7.8E1	0.455	8562	8590	Sisma Y SLO	0	7.5	0	0	7.8E1	0.455
8563	8590	Sisma X SLD	6.2	0	0	0	7.8E1	0.455	8564	8590	Sisma Y SLD	0	6.2	0	0	7.8E1	0.455
8565	8591	Sisma X SLV	13.5	0	0	0	7.4E1	0.455	8566	8591	Sisma Y SLV	0	13.5	0	0	7.4E1	0.455
8567	8591	Sisma X SLO	7.2	0	0	0	7.4E1	0.455	8568	8591	Sisma Y SLO	0	7.2	0	0	7.4E1	0.455
8569	8591	Sisma X SLD	6	0	0	0	7.4E1	0.455	8570	8591	Sisma Y SLD	0	6	0	0	7.4E1	0.455
8571	8592	Sisma X SLV	12	0	0	0	6.6E1	0.455	8572	8592	Sisma Y SLV	0	12	0	0	6.6E1	0.455
8573	8592	Sisma X SLO	6.4	0	0	0	6.6E1	0.455	8574	8592	Sisma Y SLO	0	6.4	0	0	6.6E1	0.455
8575	8592	Sisma X SLD	5.3	0	0	0	6.6E1	0.455	8576	8592	Sisma Y SLD	0	5.3	0	0	6.6E1	0.455
8577	8593	Sisma X SLV	12.1	0	0	0	6.7E1	0.455	8578	8593	Sisma Y SLV	0	12.1	0	0	6.7E1	0.455
8579	8593	Sisma X SLO	6.5	0	0	0	6.7E1	0.455	8580	8593	Sisma Y SLO	0	6.5	0	0	6.7E1	0.455
8581	8593	Sisma X SLD	5.4	0	0	0	6.7E1	0.455	8582	8593	Sisma Y SLD	0	5.4	0	0	6.7E1	0.455
8583	8594	Sisma X SLV	11.1	0	0	0	6.1E1	0.455	8584	8594	Sisma Y SLV	0	11.1	0	0	6.1E1	0.455
8585	8594	Sisma X SLO	5.9	0	0	0	6.1E1	0.455	8586	8594	Sisma Y SLO	0	5.9	0	0	6.1E1	0.455
8587	8594	Sisma X SLD	4.9	0	0	0	6.1E1	0.455	8588	8594	Sisma Y SLD	0	4.9	0	0	6.1E1	0.455
8589	8595	Sisma X SLV	11.5	0	0	0	6.3E1	0.455	8590	8595	Sisma Y SLV	0	11.5	0	0	6.3E1	0.455
8591	8595	Sisma X SLO	6.1	0	0	0	6.3E1	0.455	8592	8595	Sisma Y SLO	0	6.1	0	0	6.3E1	0.455
8593	8595	Sisma X SLD	5.1	0	0	0	6.3E1	0.455	8594	8595	Sisma Y SLD	0	5.1	0	0	6.3E1	0.455
8595	8596	Sisma X SLV	12.3	0	0	0	6.7E1	0.455	8596	8596	Sisma Y SLV	0	12.3	0	0	6.7E1	0.455
8597	8596	Sisma X SLO	6.5	0	0	0	6.7E1	0.455	8598	8596	Sisma Y SLO	0	6.5	0	0	6.7E1	0.455
8599	8596	Sisma X SLD	5.4	0	0	0	6.7E1	0.455	8600	8596	Sisma Y SLD	0	5.4	0	0	6.7E1	0.455
8601	8597	Sisma X SLV	10.5	0	0	0	57.78	0.455	8602	8597	Sisma Y SLV	0	10.5	0	0	57.78	0.455
8603	8597	Sisma X SLO	5.6	0	0	0	57.78	0.455	8604	8597	Sisma Y SLO	0	5.6	0	0	57.78	0.455
8605	8597	Sisma X SLD	4.7	0	0	0	57.78	0.455	8606	8597	Sisma Y SLD	0	4.7	0	0	57.78	0.455
8607	8598	Sisma X SLV	9.8	0	0	0	5.4E1	0.455	8608	8598	Sisma Y SLV	0	9.8	0	0	5.4E1	0.455
8609	8598	Sisma X SLO	5.2	0	0	0	5.4E1	0.455	8610	8598	Sisma Y SLO	0	5.2	0	0	5.4E1	0.455
8611	8598	Sisma X SLD	4.3	0	0	0	5.4E1	0.455	8612	8598	Sisma Y SLD	0	4.3	0	0	5.4E1	0.455
8613	8599	Sisma X SLV	9.7	0	0	0	5.3E1	0.455	8614	8599	Sisma Y SLV	0	9.7	0	0	5.3E1	0.455
8615	8599	Sisma X SLO	5.1	0	0	0	5.3E1	0.455	8616	8599	Sisma Y SLO	0	5.1	0	0	5.3E1	0.455
8617	8599	Sisma X SLD	4.3	0	0	0	5.3E1	0.455	8618	8599	Sisma Y SLD	0	4.3	0	0	5.3E1	0.455
8619	8600	Sisma X SLV	10.8	0	0	0	5.9E1	0.455	8620	8600	Sisma Y SLV	0	10.8	0	0	5.9E1	0.455
8621	8600	Sisma X SLO	5.7	0	0	0	5.9E1	0.455	8622	8600	Sisma Y SLO	0	5.7	0	0	5.9E1	0.455
8623	8600	Sisma X SLD	4.8	0	0	0	5.9E1	0.455	8624	8600	Sisma Y SLD	0	4.8	0	0	5.9E1	0.455
8625	8601	Sisma X SLV	10.2	0	0	0	5.6E1	0.455	8626	8601	Sisma Y SLV	0	10.2	0	0	5.6E1	0.455
8627	8601	Sisma X SLO	5.4	0	0	0	5.6E1	0.455	8628	8601	Sisma Y SLO	0	5.4	0	0	5.6E1	0.455
8629	8601	Sisma X SLD	4.5	0	0	0	5.6E1	0.455	8630	8601	Sisma Y SLD	0	4.5	0	0	5.6E1	0.455
8631	8602	Sisma X SLV	8.9	0	0	0	4.9E1	0.455	8632	8602	Sisma Y SLV	0	8.9	0	0	4.9E1	0.455
8633	8602	Sisma X SLO	4.8	0	0	0	4.9E1	0.455	8634	8602	Sisma Y SLO	0	4.8	0	0	4.9E1	0.455
8635	8602	Sisma X SLD	3.9	0	0	0	4.9E1	0.455	8636	8602	Sisma Y SLD	0	3.9	0	0	4.9E1	0.455
8637	8603	Sisma X SLV	9.1	0	0	0	5.0E1	0.455	8638	8603	Sisma Y SLV	0	9.1	0	0	5.0E1	0.455
8639	8603	Sisma X SLO	4.8	0	0	0	5.0E1	0.455	8640	8603	Sisma Y SLO	0	4.8	0	0	5.0E1	0.455
8641	8603	Sisma X SLD	4	0	0	0	5.0E1	0.455	8642	8603	Sisma Y SLD	0	4	0	0	5.0E1	0.455
8643	8604	Sisma X SLV	11.4	0	0	0	6.3E1	0.455	8644	8604	Sisma Y SLV	0	11.4	0	0	6.3E1	0.455
8645	8604	Sisma X SLO	6.1	0	0	0	6.3E1	0.455	8646	8604	Sisma Y SLO	0	6.1	0	0	6.3E1	0.455
8647	8604	Sisma X SLD	5.1	0	0	0	6.3E1	0.455	8648	8604	Sisma Y SLD	0	5.1	0	0	6.3E1	0.455
8649	8605	Sisma X SLV	11.8	0	0	0	65.14	0.455	8650	8605	Sisma Y SLV	0	11.8	0	0	65.14	0.455
8651	8605	Sisma X SLO	6.3	0	0	0	65.14	0.455	8652	8605	Sisma Y SLO	0	6.3	0	0	65.14	0.455
8653	8605	Sisma X SLD	5.2	0	0	0	65.14	0.455	8654	8605	Sisma Y SLD	0	5.2	0	0	65.14	0.455
8655	8606	Sisma X SLV	10	0	0	0	5.5E1	0.455	8656	8606	Sisma Y SLV	0	10	0	0	5.5E1	0.455
8657	8606	Sisma X SLO	5.3	0	0	0	5.5E1	0.455	8658	8606	Sisma Y SLO	0	5.3	0	0	5.5E1	0.455
8659	8606	Sisma X SLD	4.4	0	0	0	5.5E1	0.455	8660	8606	Sisma Y SLD	0	4.4	0	0	5.5E1	0.455
8661	8607	Sisma X SLV	10.6	0	0	0	5.8E1	0.455	8662	8607	Sisma Y SLV	0	10.6	0	0	5.8E1	0.455
8663	8607	Sisma X SLO	5.7	0	0	0	5.8E1	0.455	8664	8607	Sisma Y SLO	0	5.7	0	0	5.8E1	0.455
8665	8607	Sisma X SLD	4.7	0	0	0	5.8E1	0.455	8666	8607	Sisma Y SLD	0	4.7	0	0	5.8E1	0.455
8667	8608	Sisma X SLV	14	0	0	0	7.7E1	0.455	8668	8608	Sisma Y SLV	0	14	0	0	7.7E1	0.455
8669	8608	Sisma X SLO	7.4	0	0	0	7.7E1	0.455	8670	8608	Sisma Y SLO	0	7.4	0	0	7.7E1	0.455
8671	8608	Sisma X SLD	6.2	0	0	0	7.7E1	0.455	8672	8608	Sisma Y SLD	0	6.2	0	0	7.7E1	0.455
8673	8609	Sisma X SLV	13.3	0	0	0	7.3E1	0.455	8674	8609	Sisma Y SLV	0	13.3	0	0	7.3E1	0.455
8675	8609	Sisma X SLO	7.1	0	0	0	7.3E1	0.455	8676	8609	Sisma Y SLO	0	7.1	0	0	7.3E1	0.455
8677	8609	Sisma X SLD	5.9	0	0	0	7.3E1	0.455	8678	8609	Sisma Y SLD	0	5.9	0	0	7.3E1	0.455
8679	8610	Sisma X SLV	10.5	0	0	0	5.8E1	0.455	8680	8610	Sisma Y SLV	0	10.5	0	0	5.8E1	0.455
8681	8610	Sisma X SLO	5.6	0	0	0	5.8E1	0.455	8682	8610	Sisma Y SLO	0	5.6	0	0	5.8E1	0.455
8683	8610	Sisma X SLD	4.6	0	0	0	5.8E1	0.455	8684	8610	Sisma Y SLD	0	4.6	0	0	5.8E1	0.455
8685	8611	Sisma X SLV	10.5	0	0	0	5.8E1	0.455	8686	8611	Sisma Y SLV	0	10.5	0	0	5.8E1	0.455
8687	8611	Sisma X SLO	5.6	0	0	0	5.8E1	0.455	8688	8611	Sisma Y SLO	0	5.6	0	0	5.8E1	0.455
8689	8611	Sisma X SLD	4.6	0	0	0	5.8E1	0.455	8690	8611	Sisma Y SLD	0	4.6	0	0	5.8E1	0.455
8691	8612	Sisma X SLV	12.1	0	0	0	6.7E1	0.455	8692	8612	Sisma Y SLV	0	12.1	0	0	6.7E1	0.455
8693	8612	Sisma X SLO	6.5	0	0	0	6.7E1	0.455	8694	8612	Sisma Y SLO	0	6.5	0	0	6.7E1	0.455
8695	8612	Sisma X SLD	5.4	0	0	0	6.7E1	0.455	8696	8612	Sisma Y SLD	0	5.4	0	0	6.7E1	0.455
8697	8613	Sisma X SLV	11.8	0	0	0	6.5E1	0.455	8698	8613	Sisma Y SLV	0	11.8	0	0	6.5E1	0.455
8699	8613	Sisma X SLO	6.3	0	0	0	6.5E1	0.455	8700	8613	Sisma Y SLO	0	6.3	0	0	6.5E1	0.455
8701	8613	Sisma X SLD	5.2	0	0	0	6.5E1	0.455	8702	8613	Sisma Y SLD	0	5.2	0	0	6.5E1	0.455
8703	8614	Sisma X SLV	9.3	0	0	0	5.1E1	0.455	8704	8614	Sisma Y SLV	0	9.3	0	0	5.1E1	0.455
8705	8614	Sisma X SLO	5	0	0	0	5.1E1	0.455	8706	8614	Sisma Y SLO	0	5	0	0	5.1E1	0.455
8707	8614	Sisma X SLD	4.1	0	0	0	5.1E1	0.455	8708	8614	Sisma Y SLD	0	4.1	0	0	5.1E1	0.455
8709	8615	Sisma X SLV	9.3	0	0	0	5.1E1	0.455	8710	8615	Sisma Y SLV	0	9.3	0	0	5.1E1	0.455
8711	8615	Sisma X SLO	5	0	0	0	5.1E1	0.455	8712	8615	Sisma Y SLO	0	5	0	0	5.1E1	0.455

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
8713	8615	Sisma X SLD	4.1	0	0	0	5.1E1	0.455	8714	8615	Sisma Y SLD	0	4.1	0	0	5.1E1	0.455
8715	8616	Sisma X SLV	11.2	0	0	0	6.2E1	0.455	8716	8616	Sisma Y SLV	0	11.2	0	0	6.2E1	0.455
8717	8616	Sisma X SLO	6	0	0	0	6.2E1	0.455	8718	8616	Sisma Y SLO	0	6	0	0	6.2E1	0.455
8719	8616	Sisma X SLD	5	0	0	0	6.2E1	0.455	8720	8616	Sisma Y SLD	0	5	0	0	6.2E1	0.455
8721	8617	Sisma X SLV	28.4	0	0	0	1.6E2	0.456	8722	8617	Sisma Y SLV	0	28.4	0	0	1.6E2	0.456
8723	8617	Sisma X SLO	15.1	0	0	0	1.6E2	0.456	8724	8617	Sisma Y SLO	0	15.1	0	0	1.6E2	0.456
8725	8617	Sisma X SLD	12.6	0	0	0	1.6E2	0.456	8726	8617	Sisma Y SLD	0	12.6	0	0	1.6E2	0.456
8727	8618	Sisma X SLV	42.2	0	0	0	2.3E2	0.456	8728	8618	Sisma Y SLV	0	42.2	0	0	2.3E2	0.456
8729	8618	Sisma X SLO	22.5	0	0	0	2.3E2	0.456	8730	8618	Sisma Y SLO	0	22.5	0	0	2.3E2	0.456
8731	8618	Sisma X SLD	18.7	0	0	0	2.3E2	0.456	8732	8618	Sisma Y SLD	0	18.7	0	0	2.3E2	0.456
8733	8619	Sisma X SLV	7	0	0	0	3.8E1	0.456	8734	8619	Sisma Y SLV	0	7	0	0	3.8E1	0.456
8735	8619	Sisma X SLO	3.7	0	0	0	3.8E1	0.456	8736	8619	Sisma Y SLO	0	3.7	0	0	3.8E1	0.456
8737	8619	Sisma X SLD	3.1	0	0	0	3.8E1	0.456	8738	8619	Sisma Y SLD	0	3.1	0	0	3.8E1	0.456
8739	8620	Sisma X SLV	28.2	0	0	0	1.5E2	0.456	8740	8620	Sisma Y SLV	0	28.2	0	0	1.5E2	0.456
8741	8620	Sisma X SLO	15.1	0	0	0	1.5E2	0.456	8742	8620	Sisma Y SLO	0	15.1	0	0	1.5E2	0.456
8743	8620	Sisma X SLD	12.5	0	0	0	1.5E2	0.456	8744	8620	Sisma Y SLD	0	12.5	0	0	1.5E2	0.456
8745	8621	Sisma X SLV	41.8	0	0	0	2.3E2	0.456	8746	8621	Sisma Y SLV	0	41.8	0	0	2.3E2	0.456
8747	8621	Sisma X SLO	22.3	0	0	0	2.3E2	0.456	8748	8621	Sisma Y SLO	0	22.3	0	0	2.3E2	0.456
8749	8621	Sisma X SLD	18.5	0	0	0	2.3E2	0.456	8750	8621	Sisma Y SLD	0	18.5	0	0	2.3E2	0.456
8751	8622	Sisma X SLV	7.1	0	0	0	3.9E1	0.456	8752	8622	Sisma Y SLV	0	7.1	0	0	3.9E1	0.456
8753	8622	Sisma X SLO	3.8	0	0	0	3.9E1	0.456	8754	8622	Sisma Y SLO	0	3.8	0	0	3.9E1	0.456
8755	8622	Sisma X SLD	3.2	0	0	0	3.9E1	0.456	8756	8622	Sisma Y SLD	0	3.2	0	0	3.9E1	0.456
8757	8623	Sisma X SLV	37.5	0	0	0	2.1E2	0.457	8758	8623	Sisma Y SLV	0	37.5	0	0	2.1E2	0.457
8759	8623	Sisma X SLO	20	0	0	0	2.1E2	0.457	8760	8623	Sisma Y SLO	0	20	0	0	2.1E2	0.457
8761	8623	Sisma X SLD	16.6	0	0	0	2.1E2	0.457	8762	8623	Sisma Y SLD	0	16.6	0	0	2.1E2	0.457
8763	8624	Sisma X SLV	28.1	0	0	0	1.5E2	0.457	8764	8624	Sisma Y SLV	0	28.1	0	0	1.5E2	0.457
8765	8624	Sisma X SLO	15	0	0	0	1.5E2	0.457	8766	8624	Sisma Y SLO	0	15	0	0	1.5E2	0.457
8767	8624	Sisma X SLD	12.4	0	0	0	1.5E2	0.457	8768	8624	Sisma Y SLD	0	12.4	0	0	1.5E2	0.457
8769	8625	Sisma X SLV	41.4	0	0	0	2.3E2	0.457	8770	8625	Sisma Y SLV	0	41.4	0	0	2.3E2	0.457
8771	8625	Sisma X SLO	22.1	0	0	0	2.3E2	0.457	8772	8625	Sisma Y SLO	0	22.1	0	0	2.3E2	0.457
8773	8625	Sisma X SLD	18.3	0	0	0	2.3E2	0.457	8774	8625	Sisma Y SLD	0	18.3	0	0	2.3E2	0.457
8775	8626	Sisma X SLV	18	0	0	0	98.67	0.457	8776	8626	Sisma Y SLV	0	18	0	0	98.67	0.457
8777	8626	Sisma X SLO	9.6	0	0	0	98.67	0.457	8778	8626	Sisma Y SLO	0	9.6	0	0	98.67	0.457
8779	8626	Sisma X SLD	8	0	0	0	98.67	0.457	8780	8626	Sisma Y SLD	0	8	0	0	98.67	0.457
8781	8627	Sisma X SLV	28	0	0	0	1.5E2	0.458	8782	8627	Sisma Y SLV	0	28	0	0	1.5E2	0.458
8783	8627	Sisma X SLO	14.9	0	0	0	1.5E2	0.458	8784	8627	Sisma Y SLO	0	14.9	0	0	1.5E2	0.458
8785	8627	Sisma X SLD	12.4	0	0	0	1.5E2	0.458	8786	8627	Sisma Y SLD	0	12.4	0	0	1.5E2	0.458
8787	8628	Sisma X SLV	41.2	0	0	0	2.3E2	0.458	8788	8628	Sisma Y SLV	0	41.2	0	0	2.3E2	0.458
8789	8628	Sisma X SLO	21.9	0	0	0	2.3E2	0.458	8790	8628	Sisma Y SLO	0	21.9	0	0	2.3E2	0.458
8791	8628	Sisma X SLD	18.2	0	0	0	2.3E2	0.458	8792	8628	Sisma Y SLD	0	18.2	0	0	2.3E2	0.458
8793	8629	Sisma X SLV	36.3	0	0	0	2.0E2	0.458	8794	8629	Sisma Y SLV	0	36.3	0	0	2.0E2	0.458
8795	8629	Sisma X SLO	19.3	0	0	0	2.0E2	0.458	8796	8629	Sisma Y SLO	0	19.3	0	0	2.0E2	0.458
8797	8629	Sisma X SLD	16	0	0	0	2.0E2	0.458	8798	8629	Sisma Y SLD	0	16	0	0	2.0E2	0.458
8799	8630	Sisma X SLV	34.5	0	0	0	1.9E2	0.458	8800	8630	Sisma Y SLV	0	34.5	0	0	1.9E2	0.458
8801	8630	Sisma X SLO	18.4	0	0	0	1.9E2	0.458	8802	8630	Sisma Y SLO	0	18.4	0	0	1.9E2	0.458
8803	8630	Sisma X SLD	15.3	0	0	0	1.9E2	0.458	8804	8630	Sisma Y SLD	0	15.3	0	0	1.9E2	0.458
8805	8631	Sisma X SLV	33.2	0	0	0	1.8E2	0.458	8806	8631	Sisma Y SLV	0	33.2	0	0	1.8E2	0.458
8807	8631	Sisma X SLO	17.7	0	0	0	1.8E2	0.458	8808	8631	Sisma Y SLO	0	17.7	0	0	1.8E2	0.458
8809	8631	Sisma X SLD	14.7	0	0	0	1.8E2	0.458	8810	8631	Sisma Y SLD	0	14.7	0	0	1.8E2	0.458
8811	8632	Sisma X SLV	24.4	0	0	0	1.3E2	0.458	8812	8632	Sisma Y SLV	0	24.4	0	0	1.3E2	0.458
8813	8632	Sisma X SLO	13	0	0	0	1.3E2	0.458	8814	8632	Sisma Y SLO	0	13	0	0	1.3E2	0.458
8815	8632	Sisma X SLD	10.8	0	0	0	1.3E2	0.458	8816	8632	Sisma Y SLD	0	10.8	0	0	1.3E2	0.458
8817	8633	Sisma X SLV	36.3	0	0	0	2.0E2	0.458	8818	8633	Sisma Y SLV	0	36.3	0	0	2.0E2	0.458
8819	8633	Sisma X SLO	19.3	0	0	0	2.0E2	0.458	8820	8633	Sisma Y SLO	0	19.3	0	0	2.0E2	0.458
8821	8633	Sisma X SLD	16	0	0	0	2.0E2	0.458	8822	8633	Sisma Y SLD	0	16	0	0	2.0E2	0.458
8823	8634	Sisma X SLV	13.4	0	0	0	7.3E1	0.458	8824	8634	Sisma Y SLV	0	13.4	0	0	7.3E1	0.458
8825	8634	Sisma X SLO	7.2	0	0	0	7.3E1	0.458	8826	8634	Sisma Y SLO	0	7.2	0	0	7.3E1	0.458
8827	8634	Sisma X SLD	5.9	0	0	0	7.3E1	0.458	8828	8634	Sisma Y SLD	0	5.9	0	0	7.3E1	0.458
8829	8635	Sisma X SLV	15.5	0	0	0	8.5E1	0.458	8830	8635	Sisma Y SLV	0	15.5	0	0	8.5E1	0.458
8831	8635	Sisma X SLO	8.3	0	0	0	8.5E1	0.458	8832	8635	Sisma Y SLO	0	8.3	0	0	8.5E1	0.458
8833	8635	Sisma X SLD	6.9	0	0	0	8.5E1	0.458	8834	8635	Sisma Y SLD	0	6.9	0	0	8.5E1	0.458
8835	8636	Sisma X SLV	33.1	0	0	0	1.8E2	0.458	8836	8636	Sisma Y SLV	0	33.1	0	0	1.8E2	0.458
8837	8636	Sisma X SLO	17.7	0	0	0	1.8E2	0.458	8838	8636	Sisma Y SLO	0	17.7	0	0	1.8E2	0.458
8839	8636	Sisma X SLD	14.7	0	0	0	1.8E2	0.458	8840	8636	Sisma Y SLD	0	14.7	0	0	1.8E2	0.458
8841	8637	Sisma X SLV	29.7	0	0	0	1.6E2	0.459	8842	8637	Sisma Y SLV	0	29.7	0	0	1.6E2	0.459
8843	8637	Sisma X SLO	15.8	0	0	0	1.6E2	0.459	8844	8637	Sisma Y SLO	0	15.8	0	0	1.6E2	0.459
8845	8637	Sisma X SLD	13.1	0	0	0	1.6E2	0.459	8846	8637	Sisma Y SLD	0	13.1	0	0	1.6E2	0.459
8847	8638	Sisma X SLV	29.6	0	0	0	1.6E2	0.459	8848	8638	Sisma Y SLV	0	29.6	0	0	1.6E2	0.459
8849	8638	Sisma X SLO	15.8	0	0	0	1.6E2	0.459	8850	8638	Sisma Y SLO	0	15.8	0	0	1.6E2	0.459
8851	8638	Sisma X SLD	13.1	0	0	0	1.6E2	0.459	8852	8638	Sisma Y SLD	0	13.1	0	0	1.6E2	0.459
8853	8639	Sisma X SLV	29.5	0	0	0	160.9	0.459	8854	8639	Sisma Y SLV	0	29.5	0	0	160.9	0.459
8855	8639	Sisma X SLO	15.7	0	0	0	160.9	0.459	8856	8639	Sisma Y SLO	0	15.7	0	0	160.9	0.459
8857	8639	Sisma X SLD	13.1	0	0	0	160.9	0.459	8858	8639	Sisma Y SLD	0	13.1	0	0	160.9	0.459
8859	8640	Sisma X SLV	29.3	0	0	0	1.6E2	0.459	8860	8640	Sisma Y SLV	0	29.3	0	0	1.6E2	0.459
8861	8640	Sisma X SLO	15.6	0	0	0	1.6E2	0.459	8862	8640	Sisma Y SLO	0	15.6	0	0	1.6E2	0.459
8863	8640	Sisma X SLD	13	0	0	0	1.6E2	0.459	8864	8640	Sisma Y SLD	0	13	0	0	1.6E2	0.459
8865	8641	Sisma X SLV	30.8	0	0	0	1.7E2	0.459	8866	8641	Sisma Y SLV	0	30.8	0	0	1.7E2	0.459
8867	8641	Sisma X SLO	16.4	0	0	0	1.7E2	0.459	8868	8641	Sisma Y SLO	0	16.4	0	0	1.7E2	0.459
8869	8641	Sisma X SLD	13.6	0	0	0	1.7E2	0.459	8870	8641	Sisma Y SLD	0	13.6	0	0	1.7E2	0.459
8871	8642	Sisma X SLV	29.2	0	0	0	1.6E2	0.459	8872	8642	Sisma Y SLV	0	29.2	0	0	1.6E2	0.459
8873	8642	Sisma X SLO	15.5	0	0	0	1.6E2	0.459	8874	8642	Sisma Y SLO	0	15.5	0	0	1.6E2	0.459
8875	8642	Sisma X SLD	12.9	0	0	0	1.6E2	0.459	8876	8642	Sisma Y SLD	0	12.9	0	0	1.6E2	0.459
8877	8643	Sisma X SLV	28.9	0	0	0	1.6E2	0.459	8878	8643	Sisma Y SLV	0	28.9	0	0	1.6E2	0.459
8879	8643	Sisma X SLO	15.4	0	0	0	1.6E2	0.459	8880	8643	Sisma Y SLO	0	15.4	0	0	1.6E2	0.459
8881	8643	Sisma X SLD	12.8	0	0	0	1.6E2	0.459	8882	8643	Sisma Y SLD	0	12.8	0	0	1.6E2	0.459
8883	8644	Sisma X SLV	28.7	0	0	0	1.6E2	0.459	8884	8644	Sisma Y SLV	0	28.7	0	0	1.6E2	0.459
8885	8644	Sisma X SLO	15.3	0	0	0	1.6E2	0.459	8886	8644	Sisma Y SLO	0	15.3	0	0	1.6E2	0.459
8887	8644	Sisma X SLD	12.7	0	0	0	1.6E2	0.459	8888	8644	Sisma Y SLD	0	12.7	0	0	1.6E2	0.459
8889	8645	Sisma X SLV	28.5	0	0	0	1.6E2	0.459	8890	8645	Sisma Y SLV	0	28.5	0	0	1.6E2	0.459
8891	8645	Sisma X SLO	15.2	0	0	0	1.6E2	0.459	8892	8645	Sisma Y SLO	0	15.2	0	0	1.6E2	0.459
8893	8645	Sisma X SLD	12.6	0	0	0	1.6E2	0.459	8894	8645	Sisma Y SLD	0	12.6	0	0	1.6E2	0.459
8895	8646	Sisma X SLV	28.4	0	0	0	1.5E2	0.46	8896	8646	Sisma Y SLV	0	28.4	0	0	1.5E2	0.46
8897	8646	Sisma X SLO	15.1	0	0	0	1.5E2	0.46	8898	8646	Sisma Y SLO	0	15.1	0	0	1.5E2	0.46
8899	8646	Sisma X SLD	12.6	0	0	0	1.5E2	0.46	8900	8646	Sisma Y SLD	0	12.6	0	0	1.5E2	0.46
8901	8647	Sisma X SLV	30.9	0	0	0	1.7E2	0.46	8902	8647	Sisma Y SLV	0	30.9	0	0	1.7E2	0.46
8903	8647	Sisma X SLO	16.5	0	0	0	1.7E2	0.46	8904	8647	Sisma Y SLO	0	16.5	0	0	1.7E2	0.46
8905	8647	Sisma X SLD	13.7	0	0	0	1.7E2	0.46	8906	8647	Sisma Y SLD	0	13.7	0	0	1.7E2	0.46
8907	8648	Sisma X SLV	28.4	0	0	0	1.5E2	0.46	8908	8648	Sisma Y SLV	0	28.4	0	0	1.5E2	0.46
8909	8648	Sisma X SLO	15.2	0	0	0	1.5E2	0.46	8910	8648	Sisma Y SLO	0	15.2	0	0	1.5E2	0.46
8911	8648	Sisma X SLD	12.6	0	0	0	1.5E2	0.46	8912	8648	Sisma Y SLD	0	12.6	0	0	1.5E2	0.46

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
8913	8649	Sisma X SLV	28.7	0	0	0	1.6E2	0.46	8914	8649	Sisma Y SLV	0	28.7	0	0	1.6E2	0.46
8915	8649	Sisma X SLO	15.3	0	0	0	1.6E2	0.46	8916	8649	Sisma Y SLO	0	15.3	0	0	1.6E2	0.46
8917	8649	Sisma X SLD	12.7	0	0	0	1.6E2	0.46	8918	8649	Sisma Y SLD	0	12.7	0	0	1.6E2	0.46
8919	8650	Sisma X SLV	13.4	0	0	0	7.3E1	0.46	8920	8650	Sisma Y SLV	0	13.4	0	0	7.3E1	0.46
8921	8650	Sisma X SLO	7.2	0	0	0	7.3E1	0.46	8922	8650	Sisma Y SLO	0	7.2	0	0	7.3E1	0.46
8923	8650	Sisma X SLD	5.9	0	0	0	7.3E1	0.46	8924	8650	Sisma Y SLD	0	5.9	0	0	7.3E1	0.46
8925	8651	Sisma X SLV	29.1	0	0	0	1.6E2	0.46	8926	8651	Sisma Y SLV	0	29.1	0	0	1.6E2	0.46
8927	8651	Sisma X SLO	15.5	0	0	0	1.6E2	0.46	8928	8651	Sisma Y SLO	0	15.5	0	0	1.6E2	0.46
8929	8651	Sisma X SLD	12.9	0	0	0	1.6E2	0.46	8930	8651	Sisma Y SLD	0	12.9	0	0	1.6E2	0.46
8931	8652	Sisma X SLV	29.6	0	0	0	1.6E2	0.46	8932	8652	Sisma Y SLV	0	29.6	0	0	1.6E2	0.46
8933	8652	Sisma X SLO	15.8	0	0	0	1.6E2	0.46	8934	8652	Sisma Y SLO	0	15.8	0	0	1.6E2	0.46
8935	8652	Sisma X SLD	13.1	0	0	0	1.6E2	0.46	8936	8652	Sisma Y SLD	0	13.1	0	0	1.6E2	0.46
8937	8653	Sisma X SLV	31	0	0	0	1.7E2	0.46	8938	8653	Sisma Y SLV	0	31	0	0	1.7E2	0.46
8939	8653	Sisma X SLO	16.5	0	0	0	1.7E2	0.46	8940	8653	Sisma Y SLO	0	16.5	0	0	1.7E2	0.46
8941	8653	Sisma X SLD	13.7	0	0	0	1.7E2	0.46	8942	8653	Sisma Y SLD	0	13.7	0	0	1.7E2	0.46
8943	8654	Sisma X SLV	30	0	0	0	1.6E2	0.46	8944	8654	Sisma Y SLV	0	30	0	0	1.6E2	0.46
8945	8654	Sisma X SLO	16	0	0	0	1.6E2	0.46	8946	8654	Sisma Y SLO	0	16	0	0	1.6E2	0.46
8947	8654	Sisma X SLD	13.3	0	0	0	1.6E2	0.46	8948	8654	Sisma Y SLD	0	13.3	0	0	1.6E2	0.46
8949	8655	Sisma X SLV	30.2	0	0	0	1.6E2	0.461	8950	8655	Sisma Y SLV	0	30.2	0	0	1.6E2	0.461
8951	8655	Sisma X SLO	16.1	0	0	0	1.6E2	0.461	8952	8655	Sisma Y SLO	0	16.1	0	0	1.6E2	0.461
8953	8655	Sisma X SLD	13.4	0	0	0	1.6E2	0.461	8954	8655	Sisma Y SLD	0	13.4	0	0	1.6E2	0.461
8955	8656	Sisma X SLV	6	0	0	0	3.2E1	0.461	8956	8656	Sisma Y SLV	0	6	0	0	3.2E1	0.461
8957	8656	Sisma X SLO	3.2	0	0	0	3.2E1	0.461	8958	8656	Sisma Y SLO	0	3.2	0	0	3.2E1	0.461
8959	8656	Sisma X SLD	2.6	0	0	0	3.2E1	0.461	8960	8656	Sisma Y SLD	0	2.6	0	0	3.2E1	0.461
8961	8657	Sisma X SLV	31.1	0	0	0	1.7E2	0.461	8962	8657	Sisma Y SLV	0	31.1	0	0	1.7E2	0.461
8963	8657	Sisma X SLO	16.6	0	0	0	1.7E2	0.461	8964	8657	Sisma Y SLO	0	16.6	0	0	1.7E2	0.461
8965	8657	Sisma X SLD	13.8	0	0	0	1.7E2	0.461	8966	8657	Sisma Y SLD	0	13.8	0	0	1.7E2	0.461
8967	8658	Sisma X SLV	30.3	0	0	0	1.6E2	0.461	8968	8658	Sisma Y SLV	0	30.3	0	0	1.6E2	0.461
8969	8658	Sisma X SLO	16.1	0	0	0	1.6E2	0.461	8970	8658	Sisma Y SLO	0	16.1	0	0	1.6E2	0.461
8971	8658	Sisma X SLD	13.4	0	0	0	1.6E2	0.461	8972	8658	Sisma Y SLD	0	13.4	0	0	1.6E2	0.461
8973	8659	Sisma X SLV	31.2	0	0	0	1.7E2	0.461	8974	8659	Sisma Y SLV	0	31.2	0	0	1.7E2	0.461
8975	8659	Sisma X SLO	16.6	0	0	0	1.7E2	0.461	8976	8659	Sisma Y SLO	0	16.6	0	0	1.7E2	0.461
8977	8659	Sisma X SLD	13.8	0	0	0	1.7E2	0.461	8978	8659	Sisma Y SLD	0	13.8	0	0	1.7E2	0.461
8979	8660	Sisma X SLV	30.2	0	0	0	1.6E2	0.462	8980	8660	Sisma Y SLV	0	30.2	0	0	1.6E2	0.462
8981	8660	Sisma X SLO	16.1	0	0	0	1.6E2	0.462	8982	8660	Sisma Y SLO	0	16.1	0	0	1.6E2	0.462
8983	8660	Sisma X SLD	13.4	0	0	0	1.6E2	0.462	8984	8660	Sisma Y SLD	0	13.4	0	0	1.6E2	0.462
8985	8661	Sisma X SLV	31.3	0	0	0	1.7E2	0.462	8986	8661	Sisma Y SLV	0	31.3	0	0	1.7E2	0.462
8987	8661	Sisma X SLO	16.7	0	0	0	1.7E2	0.462	8988	8661	Sisma Y SLO	0	16.7	0	0	1.7E2	0.462
8989	8661	Sisma X SLD	13.9	0	0	0	1.7E2	0.462	8990	8661	Sisma Y SLD	0	13.9	0	0	1.7E2	0.462
8991	8662	Sisma X SLV	31.4	0	0	0	1.7E2	0.462	8992	8662	Sisma Y SLV	0	31.4	0	0	1.7E2	0.462
8993	8662	Sisma X SLO	16.8	0	0	0	1.7E2	0.462	8994	8662	Sisma Y SLO	0	16.8	0	0	1.7E2	0.462
8995	8662	Sisma X SLD	13.9	0	0	0	1.7E2	0.462	8996	8662	Sisma Y SLD	0	13.9	0	0	1.7E2	0.462
8997	8663	Sisma X SLV	30	0	0	0	1.6E2	0.463	8998	8663	Sisma Y SLV	0	30	0	0	1.6E2	0.463
8999	8663	Sisma X SLO	16	0	0	0	1.6E2	0.463	9000	8663	Sisma Y SLO	0	16	0	0	1.6E2	0.463
9001	8663	Sisma X SLD	13.3	0	0	0	1.6E2	0.463	9002	8663	Sisma Y SLD	0	13.3	0	0	1.6E2	0.463
9003	8664	Sisma X SLV	6.8	0	0	0	3.7E1	0.463	9004	8664	Sisma Y SLV	0	6.8	0	0	3.7E1	0.463
9005	8664	Sisma X SLO	3.6	0	0	0	3.7E1	0.463	9006	8664	Sisma Y SLO	0	3.6	0	0	3.7E1	0.463
9007	8664	Sisma X SLD	3	0	0	0	3.7E1	0.463	9008	8664	Sisma Y SLD	0	3	0	0	3.7E1	0.463
9009	8665	Sisma X SLV	31.5	0	0	0	1.7E2	0.463	9010	8665	Sisma Y SLV	0	31.5	0	0	1.7E2	0.463
9011	8665	Sisma X SLO	16.8	0	0	0	1.7E2	0.463	9012	8665	Sisma Y SLO	0	16.8	0	0	1.7E2	0.463
9013	8665	Sisma X SLD	14	0	0	0	1.7E2	0.463	9014	8665	Sisma Y SLD	0	14	0	0	1.7E2	0.463
9015	8666	Sisma X SLV	31.6	0	0	0	1.7E2	0.464	9016	8666	Sisma Y SLV	0	31.6	0	0	1.7E2	0.464
9017	8666	Sisma X SLO	16.9	0	0	0	1.7E2	0.464	9018	8666	Sisma Y SLO	0	16.9	0	0	1.7E2	0.464
9019	8666	Sisma X SLD	14	0	0	0	1.7E2	0.464	9020	8666	Sisma Y SLD	0	14	0	0	1.7E2	0.464
9021	8667	Sisma X SLV	31.7	0	0	0	1.7E2	0.464	9022	8667	Sisma Y SLV	0	31.7	0	0	1.7E2	0.464
9023	8667	Sisma X SLO	16.9	0	0	0	1.7E2	0.464	9024	8667	Sisma Y SLO	0	16.9	0	0	1.7E2	0.464
9025	8667	Sisma X SLD	14	0	0	0	1.7E2	0.464	9026	8667	Sisma Y SLD	0	14	0	0	1.7E2	0.464
9027	8668	Sisma X SLV	29.8	0	0	0	1.6E2	0.465	9028	8668	Sisma Y SLV	0	29.8	0	0	1.6E2	0.465
9029	8668	Sisma X SLO	15.9	0	0	0	1.6E2	0.465	9030	8668	Sisma Y SLO	0	15.9	0	0	1.6E2	0.465
9031	8668	Sisma X SLD	13.2	0	0	0	1.6E2	0.465	9032	8668	Sisma Y SLD	0	13.2	0	0	1.6E2	0.465
9033	8669	Sisma X SLV	31.9	0	0	0	1.7E2	0.465	9034	8669	Sisma Y SLV	0	31.9	0	0	1.7E2	0.465
9035	8669	Sisma X SLO	17	0	0	0	1.7E2	0.465	9036	8669	Sisma Y SLO	0	17	0	0	1.7E2	0.465
9037	8669	Sisma X SLD	14.1	0	0	0	1.7E2	0.465	9038	8669	Sisma Y SLD	0	14.1	0	0	1.7E2	0.465
9039	8670	Sisma X SLV	4.4	0	0	0	2.4E1	0.465	9040	8670	Sisma Y SLV	0	4.4	0	0	2.4E1	0.465
9041	8670	Sisma X SLO	2.4	0	0	0	2.4E1	0.465	9042	8670	Sisma Y SLO	0	2.4	0	0	2.4E1	0.465
9043	8670	Sisma X SLD	2	0	0	0	2.4E1	0.465	9044	8670	Sisma Y SLD	0	2	0	0	2.4E1	0.465
9045	8671	Sisma X SLV	31.5	0	0	0	1.7E2	0.465	9046	8671	Sisma Y SLV	0	31.5	0	0	1.7E2	0.465
9047	8671	Sisma X SLO	16.8	0	0	0	1.7E2	0.465	9048	8671	Sisma Y SLO	0	16.8	0	0	1.7E2	0.465
9049	8671	Sisma X SLD	13.9	0	0	0	1.7E2	0.465	9050	8671	Sisma Y SLD	0	13.9	0	0	1.7E2	0.465
9051	8672	Sisma X SLV	32	0	0	0	1.7E2	0.465	9052	8672	Sisma Y SLV	0	32	0	0	1.7E2	0.465
9053	8672	Sisma X SLO	17	0	0	0	1.7E2	0.465	9054	8672	Sisma Y SLO	0	17	0	0	1.7E2	0.465
9055	8672	Sisma X SLD	14.1	0	0	0	1.7E2	0.465	9056	8672	Sisma Y SLD	0	14.1	0	0	1.7E2	0.465
9057	8673	Sisma X SLV	32.1	0	0	0	1.7E2	0.466	9058	8673	Sisma Y SLV	0	32.1	0	0	1.7E2	0.466
9059	8673	Sisma X SLO	17.1	0	0	0	1.7E2	0.466	9060	8673	Sisma Y SLO	0	17.1	0	0	1.7E2	0.466
9061	8673	Sisma X SLD	14.2	0	0	0	1.7E2	0.466	9062	8673	Sisma Y SLD	0	14.2	0	0	1.7E2	0.466
9063	8674	Sisma X SLV	32.3	0	0	0	1.7E2	0.466	9064	8674	Sisma Y SLV	0	32.3	0	0	1.7E2	0.466
9065	8674	Sisma X SLO	17.2	0	0	0	1.7E2	0.466	9066	8674	Sisma Y SLO	0	17.2	0	0	1.7E2	0.466
9067	8674	Sisma X SLD	14.3	0	0	0	1.7E2	0.466	9068	8674	Sisma Y SLD	0	14.3	0	0	1.7E2	0.466
9069	8675	Sisma X SLV	18.2	0	0	0	9.8E1	0.467	9070	8675	Sisma Y SLV	0	18.2	0	0	9.8E1	0.467
9071	8675	Sisma X SLO	9.7	0	0	0	9.8E1	0.467	9072	8675	Sisma Y SLO	0	9.7	0	0	9.8E1	0.467
9073	8675	Sisma X SLD	8.1	0	0	0	9.8E1	0.467	9074	8675	Sisma Y SLD	0	8.1	0	0	9.8E1	0.467
9075	8676	Sisma X SLV	32.6	0	0	0	1.7E2	0.467	9076	8676	Sisma Y SLV	0	32.6	0	0	1.7E2	0.467
9077	8676	Sisma X SLO	17.4	0	0	0	1.7E2	0.467	9078	8676	Sisma Y SLO	0	17.4	0	0	1.7E2	0.467
9079	8676	Sisma X SLD	14.4	0	0	0	1.7E2	0.467	9080	8676	Sisma Y SLD	0	14.4	0	0	1.7E2	0.467
9081	8677	Sisma X SLV	29.7	0	0	0	1.6E2	0.468	9082	8677	Sisma Y SLV	0	29.7	0	0	1.6E2	0.468
9083	8677	Sisma X SLO	15.8	0	0	0	1.6E2	0.468	9084	8677	Sisma Y SLO	0	15.8	0	0	1.6E2	0.468
9085	8677	Sisma X SLD	13.1	0	0	0	1.6E2	0.468	9086	8677	Sisma Y SLD	0	13.1	0	0	1.6E2	0.468
9087	8678	Sisma X SLV	11.6	0	0	0	6.2E1	0.468	9088	8678	Sisma Y SLV	0	11.6	0	0	6.2E1	0.468
9089	8678	Sisma X SLO	6.2	0	0	0	6.2E1	0.468	9090	8678	Sisma Y SLO	0	6.2	0	0	6.2E1	0.468
9091	8678	Sisma X SLD	5.1	0	0	0	6.2E1	0.468	9092	8678	Sisma Y SLD	0	5.1	0	0	6.2E1	0.468
9093	8679	Sisma X SLV	23.1	0	0	0	1.2E2	0.468	9094	8679	Sisma Y SLV	0	23.1	0	0	1.2E2	0.468
9095	8679	Sisma X SLO	12.3	0	0	0	1.2E2	0.468	9096	8679	Sisma Y SLO	0	12.3	0	0	1.2E2	0.468
9097	8679	Sisma X SLD	10.2	0	0	0	1.2E2	0.468	9098	8679	Sisma Y SLD	0	10.2	0	0	1.2E2	0.468
9099	8680	Sisma X SLV	11.6	0	0	0	6.2E1	0.468	9100	8680	Sisma Y SLV	0	11.6	0	0	6.2E1	0.468
9101	8680	Sisma X SLO	6.2	0	0	0	6.2E1	0.468	9102	8680	Sisma Y SLO	0	6.2	0	0	6.2E1	0.468
9103	8680	Sisma X SLD	5.1	0	0	0	6.2E1	0.468	9104	8680	Sisma Y SLD	0	5.1	0	0	6.2E1	0.468
9105	8681	Sisma X SLV	23.1	0	0	0	1.2E2	0.468	9106	8681	Sisma Y SLV	0	23.1	0	0	1.2E2	0.468
9107	8681	Sisma X SLO	12.3	0	0	0	1.2E2	0.468	9108	8681	Sisma Y SLO	0	12.3	0	0	1.2E2	0.468
9109	8681	Sisma X SLD	10.2	0	0	0	1.2E2	0.468	9110	8681	Sisma Y SLD	0	10.2	0	0	1.2E2	0.468
9111	8682	Sisma X SLV	39.6	0	0	0	2.1E2	0.468	9112	8682	Sisma Y SLV	0	39.6	0	0	2.1E2	0.468

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
9113	8682	Sisma X SLO	21.1	0	0	0	2.1E2	0.468	9114	8682	Sisma Y SLO	0	21.1	0	0	2.1E2	0.468
9115	8682	Sisma X SLD	17.5	0	0	0	2.1E2	0.468	9116	8682	Sisma Y SLD	0	17.5	0	0	2.1E2	0.468
9117	8683	Sisma X SLV	5.5	0	0	0	2.9E1	0.469	9118	8683	Sisma Y SLV	0	5.5	0	0	2.9E1	0.469
9119	8683	Sisma X SLO	2.9	0	0	0	2.9E1	0.469	9120	8683	Sisma Y SLO	0	2.9	0	0	2.9E1	0.469
9121	8683	Sisma X SLD	2.4	0	0	0	2.9E1	0.469	9122	8683	Sisma Y SLD	0	2.4	0	0	2.9E1	0.469
9123	8684	Sisma X SLV	27.9	0	0	0	1.5E2	0.471	9124	8684	Sisma Y SLV	0	27.9	0	0	1.5E2	0.471
9125	8684	Sisma X SLO	14.9	0	0	0	1.5E2	0.471	9126	8684	Sisma Y SLO	0	14.9	0	0	1.5E2	0.471
9127	8684	Sisma X SLD	12.4	0	0	0	1.5E2	0.471	9128	8684	Sisma Y SLD	0	12.4	0	0	1.5E2	0.471
9129	8685	Sisma X SLV	21.8	0	0	0	1.1E2	0.475	9130	8685	Sisma Y SLV	0	21.8	0	0	1.1E2	0.475
9131	8685	Sisma X SLO	11.6	0	0	0	1.1E2	0.475	9132	8685	Sisma Y SLO	0	11.6	0	0	1.1E2	0.475
9133	8685	Sisma X SLD	9.6	0	0	0	1.1E2	0.475	9134	8685	Sisma Y SLD	0	9.6	0	0	1.1E2	0.475
9135	8686	Sisma X SLV	12.9	0	0	0	6.8E1	0.475	9136	8686	Sisma Y SLV	0	12.9	0	0	6.8E1	0.475
9137	8686	Sisma X SLO	6.9	0	0	0	6.8E1	0.475	9138	8686	Sisma Y SLO	0	6.9	0	0	6.8E1	0.475
9139	8686	Sisma X SLD	5.7	0	0	0	6.8E1	0.475	9140	8686	Sisma Y SLD	0	5.7	0	0	6.8E1	0.475
9141	8687	Sisma X SLV	12.9	0	0	0	6.8E1	0.475	9142	8687	Sisma Y SLV	0	12.9	0	0	6.8E1	0.475
9143	8687	Sisma X SLO	6.9	0	0	0	6.8E1	0.475	9144	8687	Sisma Y SLO	0	6.9	0	0	6.8E1	0.475
9145	8687	Sisma X SLD	5.7	0	0	0	6.8E1	0.475	9146	8687	Sisma Y SLD	0	5.7	0	0	6.8E1	0.475
9147	8688	Sisma X SLV	13	0	0	0	6.8E1	0.475	9148	8688	Sisma Y SLV	0	13	0	0	6.8E1	0.475
9149	8688	Sisma X SLO	6.9	0	0	0	6.8E1	0.475	9150	8688	Sisma Y SLO	0	6.9	0	0	6.8E1	0.475
9151	8688	Sisma X SLD	5.7	0	0	0	6.8E1	0.475	9152	8688	Sisma Y SLD	0	5.7	0	0	6.8E1	0.475
9153	8689	Sisma X SLV	22.2	0	0	0	1.2E2	0.475	9154	8689	Sisma Y SLV	0	22.2	0	0	1.2E2	0.475
9155	8689	Sisma X SLO	11.8	0	0	0	1.2E2	0.475	9156	8689	Sisma Y SLO	0	11.8	0	0	1.2E2	0.475
9157	8689	Sisma X SLD	9.8	0	0	0	1.2E2	0.475	9158	8689	Sisma Y SLD	0	9.8	0	0	1.2E2	0.475
9159	8690	Sisma X SLV	17.8	0	0	0	9.3E1	0.477	9160	8690	Sisma Y SLV	0	17.8	0	0	9.3E1	0.477
9161	8690	Sisma X SLO	9.5	0	0	0	9.3E1	0.477	9162	8690	Sisma Y SLO	0	9.5	0	0	9.3E1	0.477
9163	8690	Sisma X SLD	7.9	0	0	0	9.3E1	0.477	9164	8690	Sisma Y SLD	0	7.9	0	0	9.3E1	0.477
9165	8691	Sisma X SLV	9.6	0	0	0	5.0E1	0.48	9166	8691	Sisma Y SLV	0	9.6	0	0	5.0E1	0.48
9167	8691	Sisma X SLO	5.1	0	0	0	5.0E1	0.48	9168	8691	Sisma Y SLO	0	5.1	0	0	5.0E1	0.48
9169	8691	Sisma X SLD	4.2	0	0	0	5.0E1	0.48	9170	8691	Sisma Y SLD	0	4.2	0	0	5.0E1	0.48
9171	8692	Sisma X SLV	15.5	0	0	0	8.1E1	0.481	9172	8692	Sisma Y SLV	0	15.5	0	0	8.1E1	0.481
9173	8692	Sisma X SLO	8.3	0	0	0	8.1E1	0.481	9174	8692	Sisma Y SLO	0	8.3	0	0	8.1E1	0.481
9175	8692	Sisma X SLD	6.9	0	0	0	8.1E1	0.481	9176	8692	Sisma Y SLD	0	6.9	0	0	8.1E1	0.481
9177	8693	Sisma X SLV	8.3	0	0	0	4.3E1	0.482	9178	8693	Sisma Y SLV	0	8.3	0	0	4.3E1	0.482
9179	8693	Sisma X SLO	4.4	0	0	0	4.3E1	0.482	9180	8693	Sisma Y SLO	0	4.4	0	0	4.3E1	0.482
9181	8693	Sisma X SLD	3.7	0	0	0	4.3E1	0.482	9182	8693	Sisma Y SLD	0	3.7	0	0	4.3E1	0.482
9183	8694	Sisma X SLV	8.1	0	0	0	4.2E1	0.483	9184	8694	Sisma Y SLV	0	8.1	0	0	4.2E1	0.483
9185	8694	Sisma X SLO	4.3	0	0	0	4.2E1	0.483	9186	8694	Sisma Y SLO	0	4.3	0	0	4.2E1	0.483
9187	8694	Sisma X SLD	3.6	0	0	0	4.2E1	0.483	9188	8694	Sisma Y SLD	0	3.6	0	0	4.2E1	0.483
9189	8695	Sisma X SLV	7.3	0	0	0	37.82	0.484	9190	8695	Sisma Y SLV	0	7.3	0	0	37.82	0.484
9191	8695	Sisma X SLO	3.9	0	0	0	37.82	0.484	9192	8695	Sisma Y SLO	0	3.9	0	0	37.82	0.484
9193	8695	Sisma X SLD	3.2	0	0	0	37.82	0.484	9194	8695	Sisma Y SLD	0	3.2	0	0	37.82	0.484
9195	8696	Sisma X SLV	7.6	0	0	0	3.9E1	0.484	9196	8696	Sisma Y SLV	0	7.6	0	0	3.9E1	0.484
9197	8696	Sisma X SLO	4.1	0	0	0	3.9E1	0.484	9198	8696	Sisma Y SLO	0	4.1	0	0	3.9E1	0.484
9199	8696	Sisma X SLD	3.4	0	0	0	3.9E1	0.484	9200	8696	Sisma Y SLD	0	3.4	0	0	3.9E1	0.484
9201	8697	Sisma X SLV	9.8	0	0	0	5.1E1	0.484	9202	8697	Sisma Y SLV	0	9.8	0	0	5.1E1	0.484
9203	8697	Sisma X SLO	5.2	0	0	0	5.1E1	0.484	9204	8697	Sisma Y SLO	0	5.2	0	0	5.1E1	0.484
9205	8697	Sisma X SLD	4.3	0	0	0	5.1E1	0.484	9206	8697	Sisma Y SLD	0	4.3	0	0	5.1E1	0.484
9207	8698	Sisma X SLV	16.7	0	0	0	8.6E1	0.485	9208	8698	Sisma Y SLV	0	16.7	0	0	8.6E1	0.485
9209	8698	Sisma X SLO	8.9	0	0	0	8.6E1	0.485	9210	8698	Sisma Y SLO	0	8.9	0	0	8.6E1	0.485
9211	8698	Sisma X SLD	7.4	0	0	0	8.6E1	0.485	9212	8698	Sisma Y SLD	0	7.4	0	0	8.6E1	0.485
9213	8699	Sisma X SLV	8.5	0	0	0	4.4E1	0.486	9214	8699	Sisma Y SLV	0	8.5	0	0	4.4E1	0.486
9215	8699	Sisma X SLO	4.5	0	0	0	4.4E1	0.486	9216	8699	Sisma Y SLO	0	4.5	0	0	4.4E1	0.486
9217	8699	Sisma X SLD	3.8	0	0	0	4.4E1	0.486	9218	8699	Sisma Y SLD	0	3.8	0	0	4.4E1	0.486
9219	8700	Sisma X SLV	7.8	0	0	0	4.0E1	0.486	9220	8700	Sisma Y SLV	0	7.8	0	0	4.0E1	0.486
9221	8700	Sisma X SLO	4.2	0	0	0	4.0E1	0.486	9222	8700	Sisma Y SLO	0	4.2	0	0	4.0E1	0.486
9223	8700	Sisma X SLD	3.5	0	0	0	4.0E1	0.486	9224	8700	Sisma Y SLD	0	3.5	0	0	4.0E1	0.486
9225	8701	Sisma X SLV	10.4	0	0	0	5.3E1	0.486	9226	8701	Sisma Y SLV	0	10.4	0	0	5.3E1	0.486
9227	8701	Sisma X SLO	5.5	0	0	0	5.3E1	0.486	9228	8701	Sisma Y SLO	0	5.5	0	0	5.3E1	0.486
9229	8701	Sisma X SLD	4.6	0	0	0	5.3E1	0.486	9230	8701	Sisma Y SLD	0	4.6	0	0	5.3E1	0.486
9231	8702	Sisma X SLV	16.8	0	0	0	8.6E1	0.486	9232	8702	Sisma Y SLV	0	16.8	0	0	8.6E1	0.486
9233	8702	Sisma X SLO	8.9	0	0	0	8.6E1	0.486	9234	8702	Sisma Y SLO	0	8.9	0	0	8.6E1	0.486
9235	8702	Sisma X SLD	7.4	0	0	0	8.6E1	0.486	9236	8702	Sisma Y SLD	0	7.4	0	0	8.6E1	0.486
9237	8703	Sisma X SLV	7.8	0	0	0	4.0E1	0.487	9238	8703	Sisma Y SLV	0	7.8	0	0	4.0E1	0.487
9239	8703	Sisma X SLO	4.2	0	0	0	4.0E1	0.487	9240	8703	Sisma Y SLO	0	4.2	0	0	4.0E1	0.487
9241	8703	Sisma X SLD	3.4	0	0	0	4.0E1	0.487	9242	8703	Sisma Y SLD	0	3.4	0	0	4.0E1	0.487
9243	8704	Sisma X SLV	9.4	0	0	0	4.8E1	0.487	9244	8704	Sisma Y SLV	0	9.4	0	0	4.8E1	0.487
9245	8704	Sisma X SLO	5	0	0	0	4.8E1	0.487	9246	8704	Sisma Y SLO	0	5	0	0	4.8E1	0.487
9247	8704	Sisma X SLD	4.1	0	0	0	4.8E1	0.487	9248	8704	Sisma Y SLD	0	4.1	0	0	4.8E1	0.487
9249	8705	Sisma X SLV	11.7	0	0	0	6.0E1	0.487	9250	8705	Sisma Y SLV	0	11.7	0	0	6.0E1	0.487
9251	8705	Sisma X SLO	6.2	0	0	0	6.0E1	0.487	9252	8705	Sisma Y SLO	0	6.2	0	0	6.0E1	0.487
9253	8705	Sisma X SLD	5.2	0	0	0	6.0E1	0.487	9254	8705	Sisma Y SLD	0	5.2	0	0	6.0E1	0.487
9255	8706	Sisma X SLV	15.1	0	0	0	7.7E1	0.488	9256	8706	Sisma Y SLV	0	15.1	0	0	7.7E1	0.488
9257	8706	Sisma X SLO	8	0	0	0	7.7E1	0.488	9258	8706	Sisma Y SLO	0	8	0	0	7.7E1	0.488
9259	8706	Sisma X SLD	6.7	0	0	0	7.7E1	0.488	9260	8706	Sisma Y SLD	0	6.7	0	0	7.7E1	0.488
9261	8707	Sisma X SLV	7.5	0	0	0	3.8E1	0.488	9262	8707	Sisma Y SLV	0	7.5	0	0	3.8E1	0.488
9263	8707	Sisma X SLO	4	0	0	0	3.8E1	0.488	9264	8707	Sisma Y SLO	0	4	0	0	3.8E1	0.488
9265	8707	Sisma X SLD	3.3	0	0	0	3.8E1	0.488	9266	8707	Sisma Y SLD	0	3.3	0	0	3.8E1	0.488
9267	8708	Sisma X SLV	8.5	0	0	0	4.4E1	0.488	9268	8708	Sisma Y SLV	0	8.5	0	0	4.4E1	0.488
9269	8708	Sisma X SLO	4.6	0	0	0	4.4E1	0.488	9270	8708	Sisma Y SLO	0	4.6	0	0	4.4E1	0.488
9271	8708	Sisma X SLD	3.8	0	0	0	4.4E1	0.488	9272	8708	Sisma Y SLD	0	3.8	0	0	4.4E1	0.488
9273	8709	Sisma X SLV	11.2	0	0	0	5.8E1	0.488	9274	8709	Sisma Y SLV	0	11.2	0	0	5.8E1	0.488
9275	8709	Sisma X SLO	6	0	0	0	5.8E1	0.488	9276	8709	Sisma Y SLO	0	6	0	0	5.8E1	0.488
9277	8709	Sisma X SLD	5	0	0	0	5.8E1	0.488	9278	8709	Sisma Y SLD	0	5	0	0	5.8E1	0.488
9279	8710	Sisma X SLV	10.6	0	0	0	5.4E1	0.488	9280	8710	Sisma Y SLV	0	10.6	0	0	5.4E1	0.488
9281	8710	Sisma X SLO	5.6	0	0	0	5.4E1	0.488	9282	8710	Sisma Y SLO	0	5.6	0	0	5.4E1	0.488
9283	8710	Sisma X SLD	4.7	0	0	0	5.4E1	0.488	9284	8710	Sisma Y SLD	0	4.7	0	0	5.4E1	0.488
9285	8711	Sisma X SLV	17	0	0	0	8.7E1	0.488	9286	8711	Sisma Y SLV	0	17	0	0	8.7E1	0.488
9287	8711	Sisma X SLO	9	0	0	0	8.7E1	0.488	9288	8711	Sisma Y SLO	0	9	0	0	8.7E1	0.488
9289	8711	Sisma X SLD	7.5	0	0	0	8.7E1	0.488	9290	8711	Sisma Y SLD	0	7.5	0	0	8.7E1	0.488
9291	8712	Sisma X SLV	7.8	0	0	0	4.0E1	0.489	9292	8712	Sisma Y SLV	0	7.8	0	0	4.0E1	0.489
9293	8712	Sisma X SLO	4.2	0	0	0	4.0E1	0.489	9294	8712	Sisma Y SLO	0	4.2	0	0	4.0E1	0.489
9295	8712	Sisma X SLD	3.5	0	0	0	4.0E1	0.489	9296	8712	Sisma Y SLD	0	3.5	0	0	4.0E1	0.489
9297	8713	Sisma X SLV	11.1	0	0	0	5.7E1	0.489	9298	8713	Sisma Y SLV	0	11.1	0	0	5.7E1	0.489
9299	8713	Sisma X SLO	5.9	0	0	0	5.7E1	0.489	9300	8713	Sisma Y SLO	0	5.9	0	0	5.7E1	0.489
9301	8713	Sisma X SLD	4.9	0	0	0	5.7E1	0.489	9302	8713	Sisma Y SLD	0	4.9	0	0	5.7E1	0.489
9303	8714	Sisma X SLV	12.1	0	0	0	6.2E1	0.489	9304	8714	Sisma Y SLV	0	12.1	0	0	6.2E1	0.489
9305	8714	Sisma X SLO	6.4	0	0	0	6.2E1	0.489	9306	8714	Sisma Y SLO	0	6.4	0	0	6.2E1	0.489
9307	8714	Sisma X SLD	5.3	0	0	0	6.2E1	0.489	9308	8714	Sisma Y SLD	0	5.3	0	0	6.2E1	0.489
9309	8715	Sisma X SLV	7.6	0	0	0	3.9E1	0.489	9310	8715	Sisma Y SLV	0	7.6	0	0	3.9E1	0.489
9311	8715	Sisma X SLO	4	0	0	0	3.9E1	0.489	9312	8715	Sisma Y SLO	0	4	0	0	3.9E1	0.489

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
9313	8715	Sisma X SLD	3.4	0	0	0	3.9E1	0.489	9314	8715	Sisma Y SLD	0	3.4	0	0	3.9E1	0.489
9315	8716	Sisma X SLV	10.1	0	0	0	5.2E1	0.489	9316	8716	Sisma Y SLV	0	10.1	0	0	5.2E1	0.489
9317	8716	Sisma X SLO	5.4	0	0	0	5.2E1	0.489	9318	8716	Sisma Y SLO	0	5.4	0	0	5.2E1	0.489
9319	8716	Sisma X SLD	4.5	0	0	0	5.2E1	0.489	9320	8716	Sisma Y SLD	0	4.5	0	0	5.2E1	0.489
9321	8717	Sisma X SLV	8.6	0	0	0	4.4E1	0.489	9322	8717	Sisma Y SLV	0	8.6	0	0	4.4E1	0.489
9323	8717	Sisma X SLO	4.6	0	0	0	4.4E1	0.489	9324	8717	Sisma Y SLO	0	4.6	0	0	4.4E1	0.489
9325	8717	Sisma X SLD	3.8	0	0	0	4.4E1	0.489	9326	8717	Sisma Y SLD	0	3.8	0	0	4.4E1	0.489
9327	8718	Sisma X SLV	11.7	0	0	0	6.0E1	0.49	9328	8718	Sisma Y SLV	0	11.7	0	0	6.0E1	0.49
9329	8718	Sisma X SLO	6.3	0	0	0	6.0E1	0.49	9330	8718	Sisma Y SLO	0	6.3	0	0	6.0E1	0.49
9331	8718	Sisma X SLD	5.2	0	0	0	6.0E1	0.49	9332	8718	Sisma Y SLD	0	5.2	0	0	6.0E1	0.49
9333	8719	Sisma X SLV	7.4	0	0	0	3.8E1	0.49	9334	8719	Sisma Y SLV	0	7.4	0	0	3.8E1	0.49
9335	8719	Sisma X SLO	3.9	0	0	0	3.8E1	0.49	9336	8719	Sisma Y SLO	0	3.9	0	0	3.8E1	0.49
9337	8719	Sisma X SLD	3.3	0	0	0	3.8E1	0.49	9338	8719	Sisma Y SLD	0	3.3	0	0	3.8E1	0.49
9339	8720	Sisma X SLV	13.7	0	0	0	7.0E1	0.49	9340	8720	Sisma Y SLV	0	13.7	0	0	7.0E1	0.49
9341	8720	Sisma X SLO	7.3	0	0	0	7.0E1	0.49	9342	8720	Sisma Y SLO	0	7.3	0	0	7.0E1	0.49
9343	8720	Sisma X SLD	6.1	0	0	0	7.0E1	0.49	9344	8720	Sisma Y SLD	0	6.1	0	0	7.0E1	0.49
9345	8721	Sisma X SLV	12.4	0	0	0	6.3E1	0.49	9346	8721	Sisma Y SLV	0	12.4	0	0	6.3E1	0.49
9347	8721	Sisma X SLO	6.6	0	0	0	6.3E1	0.49	9348	8721	Sisma Y SLO	0	6.6	0	0	6.3E1	0.49
9349	8721	Sisma X SLD	5.5	0	0	0	6.3E1	0.49	9350	8721	Sisma Y SLD	0	5.5	0	0	6.3E1	0.49
9351	8722	Sisma X SLV	11.7	0	0	0	6.0E1	0.49	9352	8722	Sisma Y SLV	0	11.7	0	0	6.0E1	0.49
9353	8722	Sisma X SLO	6.2	0	0	0	6.0E1	0.49	9354	8722	Sisma Y SLO	0	6.2	0	0	6.0E1	0.49
9355	8722	Sisma X SLD	5.2	0	0	0	6.0E1	0.49	9356	8722	Sisma Y SLD	0	5.2	0	0	6.0E1	0.49
9357	8723	Sisma X SLV	10.2	0	0	0	5.2E1	0.49	9358	8723	Sisma Y SLV	0	10.2	0	0	5.2E1	0.49
9359	8723	Sisma X SLO	5.4	0	0	0	5.2E1	0.49	9360	8723	Sisma Y SLO	0	5.4	0	0	5.2E1	0.49
9361	8723	Sisma X SLD	4.5	0	0	0	5.2E1	0.49	9362	8723	Sisma Y SLD	0	4.5	0	0	5.2E1	0.49
9363	8724	Sisma X SLV	17.4	0	0	0	8.9E1	0.491	9364	8724	Sisma Y SLV	0	17.4	0	0	8.9E1	0.491
9365	8724	Sisma X SLO	9.3	0	0	0	8.9E1	0.491	9366	8724	Sisma Y SLO	0	9.3	0	0	8.9E1	0.491
9367	8724	Sisma X SLD	7.7	0	0	0	8.9E1	0.491	9368	8724	Sisma Y SLD	0	7.7	0	0	8.9E1	0.491
9369	8725	Sisma X SLV	9	0	0	0	46.04	0.491	9370	8725	Sisma Y SLV	0	9	0	0	46.04	0.491
9371	8725	Sisma X SLO	4.8	0	0	0	46.04	0.491	9372	8725	Sisma Y SLO	0	4.8	0	0	46.04	0.491
9373	8725	Sisma X SLD	4	0	0	0	46.04	0.491	9374	8725	Sisma Y SLD	0	4	0	0	46.04	0.491
9375	8726	Sisma X SLV	4.6	0	0	0	2.4E1	0.491	9376	8726	Sisma Y SLV	0	4.6	0	0	2.4E1	0.491
9377	8726	Sisma X SLO	2.5	0	0	0	2.4E1	0.491	9378	8726	Sisma Y SLO	0	2.5	0	0	2.4E1	0.491
9379	8726	Sisma X SLD	2	0	0	0	2.4E1	0.491	9380	8726	Sisma Y SLD	0	2	0	0	2.4E1	0.491
9381	8727	Sisma X SLV	12.5	0	0	0	6.4E1	0.491	9382	8727	Sisma Y SLV	0	12.5	0	0	6.4E1	0.491
9383	8727	Sisma X SLO	6.7	0	0	0	6.4E1	0.491	9384	8727	Sisma Y SLO	0	6.7	0	0	6.4E1	0.491
9385	8727	Sisma X SLD	5.5	0	0	0	6.4E1	0.491	9386	8727	Sisma Y SLD	0	5.5	0	0	6.4E1	0.491
9387	8728	Sisma X SLV	11.7	0	0	0	6.0E1	0.491	9388	8728	Sisma Y SLV	0	11.7	0	0	6.0E1	0.491
9389	8728	Sisma X SLO	6.2	0	0	0	6.0E1	0.491	9390	8728	Sisma Y SLO	0	6.2	0	0	6.0E1	0.491
9391	8728	Sisma X SLD	5.2	0	0	0	6.0E1	0.491	9392	8728	Sisma Y SLD	0	5.2	0	0	6.0E1	0.491
9393	8729	Sisma X SLV	12.5	0	0	0	6.4E1	0.491	9394	8729	Sisma Y SLV	0	12.5	0	0	6.4E1	0.491
9395	8729	Sisma X SLO	6.7	0	0	0	6.4E1	0.491	9396	8729	Sisma Y SLO	0	6.7	0	0	6.4E1	0.491
9397	8729	Sisma X SLD	5.5	0	0	0	6.4E1	0.491	9398	8729	Sisma Y SLD	0	5.5	0	0	6.4E1	0.491
9399	8730	Sisma X SLV	7.6	0	0	0	3.9E1	0.492	9400	8730	Sisma Y SLV	0	7.6	0	0	3.9E1	0.492
9401	8730	Sisma X SLO	4	0	0	0	3.9E1	0.492	9402	8730	Sisma Y SLO	0	4	0	0	3.9E1	0.492
9403	8730	Sisma X SLD	3.3	0	0	0	3.9E1	0.492	9404	8730	Sisma Y SLD	0	3.3	0	0	3.9E1	0.492
9405	8731	Sisma X SLV	9.3	0	0	0	4.7E1	0.492	9406	8731	Sisma Y SLV	0	9.3	0	0	4.7E1	0.492
9407	8731	Sisma X SLO	5	0	0	0	4.7E1	0.492	9408	8731	Sisma Y SLO	0	5	0	0	4.7E1	0.492
9409	8731	Sisma X SLD	4.1	0	0	0	4.7E1	0.492	9410	8731	Sisma Y SLD	0	4.1	0	0	4.7E1	0.492
9411	8732	Sisma X SLV	10.2	0	0	0	5.2E1	0.492	9412	8732	Sisma Y SLV	0	10.2	0	0	5.2E1	0.492
9413	8732	Sisma X SLO	5.4	0	0	0	5.2E1	0.492	9414	8732	Sisma Y SLO	0	5.4	0	0	5.2E1	0.492
9415	8732	Sisma X SLD	4.5	0	0	0	5.2E1	0.492	9416	8732	Sisma Y SLD	0	4.5	0	0	5.2E1	0.492
9417	8733	Sisma X SLV	9.2	0	0	0	46.83	0.492	9418	8733	Sisma Y SLV	0	9.2	0	0	46.83	0.492
9419	8733	Sisma X SLO	4.9	0	0	0	46.83	0.492	9420	8733	Sisma Y SLO	0	4.9	0	0	46.83	0.492
9421	8733	Sisma X SLD	4.1	0	0	0	46.83	0.492	9422	8733	Sisma Y SLD	0	4.1	0	0	46.83	0.492
9423	8734	Sisma X SLV	11.5	0	0	0	5.8E1	0.492	9424	8734	Sisma Y SLV	0	11.5	0	0	5.8E1	0.492
9425	8734	Sisma X SLO	6.1	0	0	0	5.8E1	0.492	9426	8734	Sisma Y SLO	0	6.1	0	0	5.8E1	0.492
9427	8734	Sisma X SLD	5.1	0	0	0	5.8E1	0.492	9428	8734	Sisma Y SLD	0	5.1	0	0	5.8E1	0.492
9429	8735	Sisma X SLV	8.6	0	0	0	4.4E1	0.492	9430	8735	Sisma Y SLV	0	8.6	0	0	4.4E1	0.492
9431	8735	Sisma X SLO	4.6	0	0	0	4.4E1	0.492	9432	8735	Sisma Y SLO	0	4.6	0	0	4.4E1	0.492
9433	8735	Sisma X SLD	3.8	0	0	0	4.4E1	0.492	9434	8735	Sisma Y SLD	0	3.8	0	0	4.4E1	0.492
9435	8736	Sisma X SLV	8.1	0	0	0	4.1E1	0.492	9436	8736	Sisma Y SLV	0	8.1	0	0	4.1E1	0.492
9437	8736	Sisma X SLO	4.3	0	0	0	4.1E1	0.492	9438	8736	Sisma Y SLO	0	4.3	0	0	4.1E1	0.492
9439	8736	Sisma X SLD	3.6	0	0	0	4.1E1	0.492	9440	8736	Sisma Y SLD	0	3.6	0	0	4.1E1	0.492
9441	8737	Sisma X SLV	5.4	0	0	0	27.35	0.492	9442	8737	Sisma Y SLV	0	5.4	0	0	27.35	0.492
9443	8737	Sisma X SLO	2.9	0	0	0	27.35	0.492	9444	8737	Sisma Y SLO	0	2.9	0	0	27.35	0.492
9445	8737	Sisma X SLD	2.4	0	0	0	27.35	0.492	9446	8737	Sisma Y SLD	0	2.4	0	0	27.35	0.492
9447	8738	Sisma X SLV	11.2	0	0	0	5.7E1	0.492	9448	8738	Sisma Y SLV	0	11.2	0	0	5.7E1	0.492
9449	8738	Sisma X SLO	6	0	0	0	5.7E1	0.492	9450	8738	Sisma Y SLO	0	6	0	0	5.7E1	0.492
9451	8738	Sisma X SLD	4.9	0	0	0	5.7E1	0.492	9452	8738	Sisma Y SLD	0	4.9	0	0	5.7E1	0.492
9453	8739	Sisma X SLV	7.9	0	0	0	39.91	0.493	9454	8739	Sisma Y SLV	0	7.9	0	0	39.91	0.493
9455	8739	Sisma X SLO	4.2	0	0	0	39.91	0.493	9456	8739	Sisma Y SLO	0	4.2	0	0	39.91	0.493
9457	8739	Sisma X SLD	3.5	0	0	0	39.91	0.493	9458	8739	Sisma Y SLD	0	3.5	0	0	39.91	0.493
9459	8740	Sisma X SLV	15.3	0	0	0	7.8E1	0.493	9460	8740	Sisma Y SLV	0	15.3	0	0	7.8E1	0.493
9461	8740	Sisma X SLO	8.1	0	0	0	7.8E1	0.493	9462	8740	Sisma Y SLO	0	8.1	0	0	7.8E1	0.493
9463	8740	Sisma X SLD	6.8	0	0	0	7.8E1	0.493	9464	8740	Sisma Y SLD	0	6.8	0	0	7.8E1	0.493
9465	8741	Sisma X SLV	13.5	0	0	0	6.9E1	0.493	9466	8741	Sisma Y SLV	0	13.5	0	0	6.9E1	0.493
9467	8741	Sisma X SLO	7.2	0	0	0	6.9E1	0.493	9468	8741	Sisma Y SLO	0	7.2	0	0	6.9E1	0.493
9469	8741	Sisma X SLD	6	0	0	0	6.9E1	0.493	9470	8741	Sisma Y SLD	0	6	0	0	6.9E1	0.493
9471	8742	Sisma X SLV	14.7	0	0	0	7.5E1	0.493	9472	8742	Sisma Y SLV	0	14.7	0	0	7.5E1	0.493
9473	8742	Sisma X SLO	7.8	0	0	0	7.5E1	0.493	9474	8742	Sisma Y SLO	0	7.8	0	0	7.5E1	0.493
9475	8742	Sisma X SLD	6.5	0	0	0	7.5E1	0.493	9476	8742	Sisma Y SLD	0	6.5	0	0	7.5E1	0.493
9477	8743	Sisma X SLV	8.5	0	0	0	4.3E1	0.493	9478	8743	Sisma Y SLV	0	8.5	0	0	4.3E1	0.493
9479	8743	Sisma X SLO	4.5	0	0	0	4.3E1	0.493	9480	8743	Sisma Y SLO	0	4.5	0	0	4.3E1	0.493
9481	8743	Sisma X SLD	3.8	0	0	0	4.3E1	0.493	9482	8743	Sisma Y SLD	0	3.8	0	0	4.3E1	0.493
9483	8744	Sisma X SLV	12.7	0	0	0	6.4E1	0.493	9484	8744	Sisma Y SLV	0	12.7	0	0	6.4E1	0.493
9485	8744	Sisma X SLO	6.8	0	0	0	6.4E1	0.493	9486	8744	Sisma Y SLO	0	6.8	0	0	6.4E1	0.493
9487	8744	Sisma X SLD	5.6	0	0	0	6.4E1	0.493	9488	8744	Sisma Y SLD	0	5.6	0	0	6.4E1	0.493
9489	8745	Sisma X SLV	16.4	0	0	0	83.31	0.494	9490	8745	Sisma Y SLV	0	16.4	0	0	83.31	0.494
9491	8745	Sisma X SLO	8.8	0	0	0	83.31	0.494	9492	8745	Sisma Y SLO	0	8.8	0	0	83.31	0.494
9493	8745	Sisma X SLD	7.3	0	0	0	83.31	0.494	9494	8745	Sisma Y SLD	0	7.3	0	0	83.31	0.494
9495	8746	Sisma X SLV	13	0	0	0	6.6E1	0.494	9496	8746	Sisma Y SLV	0	13	0	0	6.6E1	0.494
9497	8746	Sisma X SLO	6.9	0	0	0	6.6E1	0.494	9498	8746	Sisma Y SLO	0	6.9	0	0	6.6E1	0.494
9499	8746	Sisma X SLD	5.8	0	0	0	6.6E1	0.494	9500	8746	Sisma Y SLD	0	5.8	0	0	6.6E1	0.494
9501	8747	Sisma X SLV	12.7	0	0	0	6.4E1	0.494	9502	8747	Sisma Y SLV	0	12.7	0	0	6.4E1	0.494
9503	8747	Sisma X SLO	6.8	0	0	0	6.4E1	0.494	9504	8747	Sisma Y SLO	0	6.8	0	0	6.4E1	0.494
9505	8747	Sisma X SLD	5.6	0	0	0	6.4E1	0.494	9506	8747	Sisma Y SLD	0	5.6	0	0	6.4E1	0.494
9507	8748	Sisma X SLV	11.8	0	0	0	6.0E1	0.494	9508	8748	Sisma Y SLV	0	11.8	0	0	6.0E1	0.494
9509	8748	Sisma X SLO	6.3	0	0	0	6.0E1	0.494	9510	8748	Sisma Y SLO	0	6.3	0	0	6.0E1	0.494
9511	8748	Sisma X SLD	5.2	0	0	0	6.0E1	0.494	9512	8748	Sisma Y SLD	0	5.2	0	0	6.0E1	0.494

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
9513	8749	Sisma X SLV	16	0	0	0	8.1E1	0.495	9514	8749	Sisma Y SLV	0	16	0	0	8.1E1	0.495
9515	8749	Sisma X SLO	8.5	0	0	0	8.1E1	0.495	9516	8749	Sisma Y SLO	0	8.5	0	0	8.1E1	0.495
9517	8749	Sisma X SLD	7.1	0	0	0	8.1E1	0.495	9518	8749	Sisma Y SLD	0	7.1	0	0	8.1E1	0.495
9519	8750	Sisma X SLV	15	0	0	0	7.6E1	0.495	9520	8750	Sisma Y SLV	0	15	0	0	7.6E1	0.495
9521	8750	Sisma X SLO	8	0	0	0	7.6E1	0.495	9522	8750	Sisma Y SLO	0	8	0	0	7.6E1	0.495
9523	8750	Sisma X SLD	6.6	0	0	0	7.6E1	0.495	9524	8750	Sisma Y SLD	0	6.6	0	0	7.6E1	0.495
9525	8751	Sisma X SLV	14.1	0	0	0	7.1E1	0.495	9526	8751	Sisma Y SLV	0	14.1	0	0	7.1E1	0.495
9527	8751	Sisma X SLO	7.5	0	0	0	7.1E1	0.495	9528	8751	Sisma Y SLO	0	7.5	0	0	7.1E1	0.495
9529	8751	Sisma X SLD	6.3	0	0	0	7.1E1	0.495	9530	8751	Sisma Y SLD	0	6.3	0	0	7.1E1	0.495
9531	8752	Sisma X SLV	15.5	0	0	0	7.8E1	0.495	9532	8752	Sisma Y SLV	0	15.5	0	0	7.8E1	0.495
9533	8752	Sisma X SLO	8.3	0	0	0	7.8E1	0.495	9534	8752	Sisma Y SLO	0	8.3	0	0	7.8E1	0.495
9535	8752	Sisma X SLD	6.9	0	0	0	7.8E1	0.495	9536	8752	Sisma Y SLD	0	6.9	0	0	7.8E1	0.495
9537	8753	Sisma X SLV	8.7	0	0	0	4.4E1	0.496	9538	8753	Sisma Y SLV	0	8.7	0	0	4.4E1	0.496
9539	8753	Sisma X SLO	4.7	0	0	0	4.4E1	0.496	9540	8753	Sisma Y SLO	0	4.7	0	0	4.4E1	0.496
9541	8753	Sisma X SLD	3.9	0	0	0	4.4E1	0.496	9542	8753	Sisma Y SLD	0	3.9	0	0	4.4E1	0.496
9543	8754	Sisma X SLV	13.4	0	0	0	6.7E1	0.496	9544	8754	Sisma Y SLV	0	13.4	0	0	6.7E1	0.496
9545	8754	Sisma X SLO	7.1	0	0	0	6.7E1	0.496	9546	8754	Sisma Y SLO	0	7.1	0	0	6.7E1	0.496
9547	8754	Sisma X SLD	5.9	0	0	0	6.7E1	0.496	9548	8754	Sisma Y SLD	0	5.9	0	0	6.7E1	0.496
9549	8755	Sisma X SLV	16.3	0	0	0	8.2E1	0.496	9550	8755	Sisma Y SLV	0	16.3	0	0	8.2E1	0.496
9551	8755	Sisma X SLO	8.7	0	0	0	8.2E1	0.496	9552	8755	Sisma Y SLO	0	8.7	0	0	8.2E1	0.496
9553	8755	Sisma X SLD	7.2	0	0	0	8.2E1	0.496	9554	8755	Sisma Y SLD	0	7.2	0	0	8.2E1	0.496
9555	8756	Sisma X SLV	12.4	0	0	0	6.2E1	0.496	9556	8756	Sisma Y SLV	0	12.4	0	0	6.2E1	0.496
9557	8756	Sisma X SLO	6.6	0	0	0	6.2E1	0.496	9558	8756	Sisma Y SLO	0	6.6	0	0	6.2E1	0.496
9559	8756	Sisma X SLD	5.5	0	0	0	6.2E1	0.496	9560	8756	Sisma Y SLD	0	5.5	0	0	6.2E1	0.496
9561	8757	Sisma X SLV	6.2	0	0	0	3.2E1	0.496	9562	8757	Sisma Y SLV	0	6.2	0	0	3.2E1	0.496
9563	8757	Sisma X SLO	3.3	0	0	0	3.2E1	0.496	9564	8757	Sisma Y SLO	0	3.3	0	0	3.2E1	0.496
9565	8757	Sisma X SLD	2.8	0	0	0	3.2E1	0.496	9566	8757	Sisma Y SLD	0	2.8	0	0	3.2E1	0.496
9567	8758	Sisma X SLV	13.5	0	0	0	6.8E1	0.497	9568	8758	Sisma Y SLV	0	13.5	0	0	6.8E1	0.497
9569	8758	Sisma X SLO	7.2	0	0	0	6.8E1	0.497	9570	8758	Sisma Y SLO	0	7.2	0	0	6.8E1	0.497
9571	8758	Sisma X SLD	6	0	0	0	6.8E1	0.497	9572	8758	Sisma Y SLD	0	6	0	0	6.8E1	0.497
9573	8759	Sisma X SLV	15	0	0	0	75.64	0.497	9574	8759	Sisma Y SLV	0	15	0	0	75.64	0.497
9575	8759	Sisma X SLO	8	0	0	0	75.64	0.497	9576	8759	Sisma Y SLO	0	8	0	0	75.64	0.497
9577	8759	Sisma X SLD	6.6	0	0	0	75.64	0.497	9578	8759	Sisma Y SLD	0	6.6	0	0	75.64	0.497
9579	8760	Sisma X SLV	9.3	0	0	0	46.69	0.497	9580	8760	Sisma Y SLV	0	9.3	0	0	46.69	0.497
9581	8760	Sisma X SLO	4.9	0	0	0	46.69	0.497	9582	8760	Sisma Y SLO	0	4.9	0	0	46.69	0.497
9583	8760	Sisma X SLD	4.1	0	0	0	46.69	0.497	9584	8760	Sisma Y SLD	0	4.1	0	0	46.69	0.497
9585	8761	Sisma X SLV	23	0	0	0	1.2E2	0.497	9586	8761	Sisma Y SLV	0	23	0	0	1.2E2	0.497
9587	8761	Sisma X SLO	12.2	0	0	0	1.2E2	0.497	9588	8761	Sisma Y SLO	0	12.2	0	0	1.2E2	0.497
9589	8761	Sisma X SLD	10.2	0	0	0	1.2E2	0.497	9590	8761	Sisma Y SLD	0	10.2	0	0	1.2E2	0.497
9591	8762	Sisma X SLV	15.8	0	0	0	79.75	0.497	9592	8762	Sisma Y SLV	0	15.8	0	0	79.75	0.497
9593	8762	Sisma X SLO	8.4	0	0	0	79.75	0.497	9594	8762	Sisma Y SLO	0	8.4	0	0	79.75	0.497
9595	8762	Sisma X SLD	7	0	0	0	79.75	0.497	9596	8762	Sisma Y SLD	0	7	0	0	79.75	0.497
9597	8763	Sisma X SLV	11.1	0	0	0	5.6E1	0.497	9598	8763	Sisma Y SLV	0	11.1	0	0	5.6E1	0.497
9599	8763	Sisma X SLO	5.9	0	0	0	5.6E1	0.497	9600	8763	Sisma Y SLO	0	5.9	0	0	5.6E1	0.497
9601	8763	Sisma X SLD	4.9	0	0	0	5.6E1	0.497	9602	8763	Sisma Y SLD	0	4.9	0	0	5.6E1	0.497
9603	8764	Sisma X SLV	14.9	0	0	0	7.5E1	0.498	9604	8764	Sisma Y SLV	0	14.9	0	0	7.5E1	0.498
9605	8764	Sisma X SLO	7.9	0	0	0	7.5E1	0.498	9606	8764	Sisma Y SLO	0	7.9	0	0	7.5E1	0.498
9607	8764	Sisma X SLD	6.6	0	0	0	7.5E1	0.498	9608	8764	Sisma Y SLD	0	6.6	0	0	7.5E1	0.498
9609	8765	Sisma X SLV	13.7	0	0	0	6.9E1	0.498	9610	8765	Sisma Y SLV	0	13.7	0	0	6.9E1	0.498
9611	8765	Sisma X SLO	7.3	0	0	0	6.9E1	0.498	9612	8765	Sisma Y SLO	0	7.3	0	0	6.9E1	0.498
9613	8765	Sisma X SLD	6.1	0	0	0	6.9E1	0.498	9614	8765	Sisma Y SLD	0	6.1	0	0	6.9E1	0.498
9615	8766	Sisma X SLV	9.9	0	0	0	5.0E1	0.498	9616	8766	Sisma Y SLV	0	9.9	0	0	5.0E1	0.498
9617	8766	Sisma X SLO	5.3	0	0	0	5.0E1	0.498	9618	8766	Sisma Y SLO	0	5.3	0	0	5.0E1	0.498
9619	8766	Sisma X SLD	4.4	0	0	0	5.0E1	0.498	9620	8766	Sisma Y SLD	0	4.4	0	0	5.0E1	0.498
9621	8767	Sisma X SLV	16.5	0	0	0	8.3E1	0.498	9622	8767	Sisma Y SLV	0	16.5	0	0	8.3E1	0.498
9623	8767	Sisma X SLO	8.8	0	0	0	8.3E1	0.498	9624	8767	Sisma Y SLO	0	8.8	0	0	8.3E1	0.498
9625	8767	Sisma X SLD	7.3	0	0	0	8.3E1	0.498	9626	8767	Sisma Y SLD	0	7.3	0	0	8.3E1	0.498
9627	8768	Sisma X SLV	13.2	0	0	0	6.6E1	0.499	9628	8768	Sisma Y SLV	0	13.2	0	0	6.6E1	0.499
9629	8768	Sisma X SLO	7	0	0	0	6.6E1	0.499	9630	8768	Sisma Y SLO	0	7	0	0	6.6E1	0.499
9631	8768	Sisma X SLD	5.8	0	0	0	6.6E1	0.499	9632	8768	Sisma Y SLD	0	5.8	0	0	6.6E1	0.499
9633	8769	Sisma X SLV	14.8	0	0	0	74.5	0.499	9634	8769	Sisma Y SLV	0	14.8	0	0	74.5	0.499
9635	8769	Sisma X SLO	7.9	0	0	0	74.5	0.499	9636	8769	Sisma Y SLO	0	7.9	0	0	74.5	0.499
9637	8769	Sisma X SLD	6.6	0	0	0	74.5	0.499	9638	8769	Sisma Y SLD	0	6.6	0	0	74.5	0.499
9639	8770	Sisma X SLV	18.1	0	0	0	9.1E1	0.499	9640	8770	Sisma Y SLV	0	18.1	0	0	9.1E1	0.499
9641	8770	Sisma X SLO	9.6	0	0	0	9.1E1	0.499	9642	8770	Sisma Y SLO	0	9.6	0	0	9.1E1	0.499
9643	8770	Sisma X SLD	8	0	0	0	9.1E1	0.499	9644	8770	Sisma Y SLD	0	8	0	0	9.1E1	0.499
9645	8771	Sisma X SLV	23.1	0	0	0	1.2E2	0.499	9646	8771	Sisma Y SLV	0	23.1	0	0	1.2E2	0.499
9647	8771	Sisma X SLO	12.3	0	0	0	1.2E2	0.499	9648	8771	Sisma Y SLO	0	12.3	0	0	1.2E2	0.499
9649	8771	Sisma X SLD	10.2	0	0	0	1.2E2	0.499	9650	8771	Sisma Y SLD	0	10.2	0	0	1.2E2	0.499
9651	8772	Sisma X SLV	15.7	0	0	0	7.9E1	0.499	9652	8772	Sisma Y SLV	0	15.7	0	0	7.9E1	0.499
9653	8772	Sisma X SLO	8.4	0	0	0	7.9E1	0.499	9654	8772	Sisma Y SLO	0	8.4	0	0	7.9E1	0.499
9655	8772	Sisma X SLD	6.9	0	0	0	7.9E1	0.499	9656	8772	Sisma Y SLD	0	6.9	0	0	7.9E1	0.499
9657	8773	Sisma X SLV	12.8	0	0	0	6.4E1	0.499	9658	8773	Sisma Y SLV	0	12.8	0	0	6.4E1	0.499
9659	8773	Sisma X SLO	6.8	0	0	0	6.4E1	0.499	9660	8773	Sisma Y SLO	0	6.8	0	0	6.4E1	0.499
9661	8773	Sisma X SLD	5.7	0	0	0	6.4E1	0.499	9662	8773	Sisma Y SLD	0	5.7	0	0	6.4E1	0.499
9663	8774	Sisma X SLV	16.4	0	0	0	82.07	0.499	9664	8774	Sisma Y SLV	0	16.4	0	0	82.07	0.499
9665	8774	Sisma X SLO	8.7	0	0	0	82.07	0.499	9666	8774	Sisma Y SLO	0	8.7	0	0	82.07	0.499
9667	8774	Sisma X SLD	7.2	0	0	0	82.07	0.499	9668	8774	Sisma Y SLD	0	7.2	0	0	82.07	0.499
9669	8775	Sisma X SLV	14.1	0	0	0	7.0E1	0.499	9670	8775	Sisma Y SLV	0	14.1	0	0	7.0E1	0.499
9671	8775	Sisma X SLO	7.5	0	0	0	7.0E1	0.499	9672	8775	Sisma Y SLO	0	7.5	0	0	7.0E1	0.499
9673	8775	Sisma X SLD	6.2	0	0	0	7.0E1	0.499	9674	8775	Sisma Y SLD	0	6.2	0	0	7.0E1	0.499
9675	8776	Sisma X SLV	16.1	0	0	0	80.67	0.5	9676	8776	Sisma Y SLV	0	16.1	0	0	80.67	0.5
9677	8776	Sisma X SLO	8.6	0	0	0	80.67	0.5	9678	8776	Sisma Y SLO	0	8.6	0	0	80.67	0.5
9679	8776	Sisma X SLD	7.1	0	0	0	80.67	0.5	9680	8776	Sisma Y SLD	0	7.1	0	0	80.67	0.5
9681	8777	Sisma X SLV	13.5	0	0	0	6.8E1	0.5	9682	8777	Sisma Y SLV	0	13.5	0	0	6.8E1	0.5
9683	8777	Sisma X SLO	7.2	0	0	0	6.8E1	0.5	9684	8777	Sisma Y SLO	0	7.2	0	0	6.8E1	0.5
9685	8777	Sisma X SLD	6	0	0	0	6.8E1	0.5	9686	8777	Sisma Y SLD	0	6	0	0	6.8E1	0.5
9687	8778	Sisma X SLV	16.6	0	0	0	8.3E1	0.5	9688	8778	Sisma Y SLV	0	16.6	0	0	8.3E1	0.5
9689	8778	Sisma X SLO	8.8	0	0	0	8.3E1	0.5	9690	8778	Sisma Y SLO	0	8.8	0	0	8.3E1	0.5
9691	8778	Sisma X SLD	7.3	0	0	0	8.3E1	0.5	9692	8778	Sisma Y SLD	0	7.3	0	0	8.3E1	0.5
9693	8779	Sisma X SLV	15.6	0	0	0	7.8E1	0.5	9694	8779	Sisma Y SLV	0	15.6	0	0	7.8E1	0.5
9695	8779	Sisma X SLO	8.3	0	0	0	7.8E1	0.5	9696	8779	Sisma Y SLO	0	8.3	0	0	7.8E1	0.5
9697	8779	Sisma X SLD	6.9	0	0	0	7.8E1	0.5	9698	8779	Sisma Y SLD	0	6.9	0	0	7.8E1	0.5
9699	8780	Sisma X SLV	16.7	0	0	0	83.79	0.5	9700	8780	Sisma Y SLV	0	16.7	0	0	83.79	0.5
9701	8780	Sisma X SLO	8.9	0	0	0	83.79	0.5	9702	8780	Sisma Y SLO	0	8.9	0	0	83.79	0.5
9703	8780	Sisma X SLD	7.4	0	0	0	83.79	0.5	9704	8780	Sisma Y SLD	0	7.4	0	0	83.79	0.5
9705	8781	Sisma X SLV	18.3	0	0	0	9.2E1	0.5	9706	8781	Sisma Y SLV	0	18.3	0	0	9.2E1	0.5
9707	8781	Sisma X SLO	9.8	0	0	0	9.2E1	0.5	9708	8781	Sisma Y SLO	0	9.8	0	0	9.2E1	0.5
9709	8781	Sisma X SLD	8.1	0	0	0	9.2E1	0.5	9710	8781	Sisma Y SLD	0	8.1	0	0	9.2E1	0.5
9711	8782	Sisma X SLV	15.6	0	0	0	7.8E1	0.5	9712	8782	Sisma Y SLV	0	15.6	0	0	7.8E1	0.5

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
9713	8782	Sisma X SLO	8.3	0	0	0	7.8E1	0.5	9714	8782	Sisma Y SLO	0	8.3	0	0	7.8E1	0.5
9715	8782	Sisma X SLD	6.9	0	0	0	7.8E1	0.5	9716	8782	Sisma Y SLD	0	6.9	0	0	7.8E1	0.5
9717	8783	Sisma X SLV	13.9	0	0	0	6.9E1	0.5	9718	8783	Sisma Y SLV	0	13.9	0	0	6.9E1	0.5
9719	8783	Sisma X SLO	7.4	0	0	0	6.9E1	0.5	9720	8783	Sisma Y SLO	0	7.4	0	0	6.9E1	0.5
9721	8783	Sisma X SLD	6.1	0	0	0	6.9E1	0.5	9722	8783	Sisma Y SLD	0	6.1	0	0	6.9E1	0.5
9723	8784	Sisma X SLV	18	0	0	0	9.0E1	0.5	9724	8784	Sisma Y SLV	0	18	0	0	9.0E1	0.5
9725	8784	Sisma X SLO	9.6	0	0	0	9.0E1	0.5	9726	8784	Sisma Y SLO	0	9.6	0	0	9.0E1	0.5
9727	8784	Sisma X SLD	8	0	0	0	9.0E1	0.5	9728	8784	Sisma Y SLD	0	8	0	0	9.0E1	0.5
9729	8785	Sisma X SLV	18.1	0	0	0	9.0E1	0.5	9730	8785	Sisma Y SLV	0	18.1	0	0	9.0E1	0.5
9731	8785	Sisma X SLO	9.6	0	0	0	9.0E1	0.5	9732	8785	Sisma Y SLO	0	9.6	0	0	9.0E1	0.5
9733	8785	Sisma X SLD	8	0	0	0	9.0E1	0.5	9734	8785	Sisma Y SLD	0	8	0	0	9.0E1	0.5
9735	8786	Sisma X SLV	19.4	0	0	0	9.7E1	0.5	9736	8786	Sisma Y SLV	0	19.4	0	0	9.7E1	0.5
9737	8786	Sisma X SLO	10.3	0	0	0	9.7E1	0.5	9738	8786	Sisma Y SLO	0	10.3	0	0	9.7E1	0.5
9739	8786	Sisma X SLD	8.6	0	0	0	9.7E1	0.5	9740	8786	Sisma Y SLD	0	8.6	0	0	9.7E1	0.5
9741	8787	Sisma X SLV	16.4	0	0	0	8.2E1	0.5	9742	8787	Sisma Y SLV	0	16.4	0	0	8.2E1	0.5
9743	8787	Sisma X SLO	8.7	0	0	0	8.2E1	0.5	9744	8787	Sisma Y SLO	0	8.7	0	0	8.2E1	0.5
9745	8787	Sisma X SLD	7.2	0	0	0	8.2E1	0.5	9746	8787	Sisma Y SLD	0	7.2	0	0	8.2E1	0.5
9747	8788	Sisma X SLV	8.2	0	0	0	4.1E1	0.501	9748	8788	Sisma Y SLV	0	8.2	0	0	4.1E1	0.501
9749	8788	Sisma X SLO	4.4	0	0	0	4.1E1	0.501	9750	8788	Sisma Y SLO	0	4.4	0	0	4.1E1	0.501
9751	8788	Sisma X SLD	3.6	0	0	0	4.1E1	0.501	9752	8788	Sisma Y SLD	0	3.6	0	0	4.1E1	0.501
9753	8789	Sisma X SLV	16.7	0	0	0	8.4E1	0.501	9754	8789	Sisma Y SLV	0	16.7	0	0	8.4E1	0.501
9755	8789	Sisma X SLO	8.9	0	0	0	8.4E1	0.501	9756	8789	Sisma Y SLO	0	8.9	0	0	8.4E1	0.501
9757	8789	Sisma X SLD	7.4	0	0	0	8.4E1	0.501	9758	8789	Sisma Y SLD	0	7.4	0	0	8.4E1	0.501
9759	8790	Sisma X SLV	16	0	0	0	8.0E1	0.501	9760	8790	Sisma Y SLV	0	16	0	0	8.0E1	0.501
9761	8790	Sisma X SLO	8.5	0	0	0	8.0E1	0.501	9762	8790	Sisma Y SLO	0	8.5	0	0	8.0E1	0.501
9763	8790	Sisma X SLD	7.1	0	0	0	8.0E1	0.501	9764	8790	Sisma Y SLD	0	7.1	0	0	8.0E1	0.501
9765	8791	Sisma X SLV	19.9	0	0	0	9.9E1	0.501	9766	8791	Sisma Y SLV	0	19.9	0	0	9.9E1	0.501
9767	8791	Sisma X SLO	10.6	0	0	0	9.9E1	0.501	9768	8791	Sisma Y SLO	0	10.6	0	0	9.9E1	0.501
9769	8791	Sisma X SLD	8.8	0	0	0	9.9E1	0.501	9770	8791	Sisma Y SLD	0	8.8	0	0	9.9E1	0.501
9771	8792	Sisma X SLV	18.4	0	0	0	9.2E1	0.501	9772	8792	Sisma Y SLV	0	18.4	0	0	9.2E1	0.501
9773	8792	Sisma X SLO	9.8	0	0	0	9.2E1	0.501	9774	8792	Sisma Y SLO	0	9.8	0	0	9.2E1	0.501
9775	8792	Sisma X SLD	8.1	0	0	0	9.2E1	0.501	9776	8792	Sisma Y SLD	0	8.1	0	0	9.2E1	0.501
9777	8793	Sisma X SLV	18.7	0	0	0	9.3E1	0.501	9778	8793	Sisma Y SLV	0	18.7	0	0	9.3E1	0.501
9779	8793	Sisma X SLO	10	0	0	0	9.3E1	0.501	9780	8793	Sisma Y SLO	0	10	0	0	9.3E1	0.501
9781	8793	Sisma X SLD	8.3	0	0	0	9.3E1	0.501	9782	8793	Sisma Y SLD	0	8.3	0	0	9.3E1	0.501
9783	8794	Sisma X SLV	18.3	0	0	0	9.1E1	0.501	9784	8794	Sisma Y SLV	0	18.3	0	0	9.1E1	0.501
9785	8794	Sisma X SLO	9.8	0	0	0	9.1E1	0.501	9786	8794	Sisma Y SLO	0	9.8	0	0	9.1E1	0.501
9787	8794	Sisma X SLD	8.1	0	0	0	9.1E1	0.501	9788	8794	Sisma Y SLD	0	8.1	0	0	9.1E1	0.501
9789	8795	Sisma X SLV	19.5	0	0	0	9.7E1	0.501	9790	8795	Sisma Y SLV	0	19.5	0	0	9.7E1	0.501
9791	8795	Sisma X SLO	10.4	0	0	0	9.7E1	0.501	9792	8795	Sisma Y SLO	0	10.4	0	0	9.7E1	0.501
9793	8795	Sisma X SLD	8.6	0	0	0	9.7E1	0.501	9794	8795	Sisma Y SLD	0	8.6	0	0	9.7E1	0.501
9795	8796	Sisma X SLV	18.9	0	0	0	9.5E1	0.501	9796	8796	Sisma Y SLV	0	18.9	0	0	9.5E1	0.501
9797	8796	Sisma X SLO	10.1	0	0	0	9.5E1	0.501	9798	8796	Sisma Y SLO	0	10.1	0	0	9.5E1	0.501
9799	8796	Sisma X SLD	8.4	0	0	0	9.5E1	0.501	9800	8796	Sisma Y SLD	0	8.4	0	0	9.5E1	0.501
9801	8797	Sisma X SLV	16.7	0	0	0	8.3E1	0.501	9802	8797	Sisma Y SLV	0	16.7	0	0	8.3E1	0.501
9803	8797	Sisma X SLO	8.9	0	0	0	8.3E1	0.501	9804	8797	Sisma Y SLO	0	8.9	0	0	8.3E1	0.501
9805	8797	Sisma X SLD	7.4	0	0	0	8.3E1	0.501	9806	8797	Sisma Y SLD	0	7.4	0	0	8.3E1	0.501
9807	8798	Sisma X SLV	19.2	0	0	0	9.6E1	0.501	9808	8798	Sisma Y SLV	0	19.2	0	0	9.6E1	0.501
9809	8798	Sisma X SLO	10.3	0	0	0	9.6E1	0.501	9810	8798	Sisma Y SLO	0	10.3	0	0	9.6E1	0.501
9811	8798	Sisma X SLD	8.5	0	0	0	9.6E1	0.501	9812	8798	Sisma Y SLD	0	8.5	0	0	9.6E1	0.501
9813	8799	Sisma X SLV	19.3	0	0	0	9.6E1	0.502	9814	8799	Sisma Y SLV	0	19.3	0	0	9.6E1	0.502
9815	8799	Sisma X SLO	10.3	0	0	0	9.6E1	0.502	9816	8799	Sisma Y SLO	0	10.3	0	0	9.6E1	0.502
9817	8799	Sisma X SLD	8.5	0	0	0	9.6E1	0.502	9818	8799	Sisma Y SLD	0	8.5	0	0	9.6E1	0.502
9819	8800	Sisma X SLV	18.8	0	0	0	9.4E1	0.502	9820	8800	Sisma Y SLV	0	18.8	0	0	9.4E1	0.502
9821	8800	Sisma X SLO	10	0	0	0	9.4E1	0.502	9822	8800	Sisma Y SLO	0	10	0	0	9.4E1	0.502
9823	8800	Sisma X SLD	8.3	0	0	0	9.4E1	0.502	9824	8800	Sisma Y SLD	0	8.3	0	0	9.4E1	0.502
9825	8801	Sisma X SLV	18.8	0	0	0	9.4E1	0.502	9826	8801	Sisma Y SLV	0	18.8	0	0	9.4E1	0.502
9827	8801	Sisma X SLO	10	0	0	0	9.4E1	0.502	9828	8801	Sisma Y SLO	0	10	0	0	9.4E1	0.502
9829	8801	Sisma X SLD	8.3	0	0	0	9.4E1	0.502	9830	8801	Sisma Y SLD	0	8.3	0	0	9.4E1	0.502
9831	8802	Sisma X SLV	19	0	0	0	9.5E1	0.502	9832	8802	Sisma Y SLV	0	19	0	0	9.5E1	0.502
9833	8802	Sisma X SLO	10.1	0	0	0	9.5E1	0.502	9834	8802	Sisma Y SLO	0	10.1	0	0	9.5E1	0.502
9835	8802	Sisma X SLD	8.4	0	0	0	9.5E1	0.502	9836	8802	Sisma Y SLD	0	8.4	0	0	9.5E1	0.502
9837	8803	Sisma X SLV	19.7	0	0	0	9.8E1	0.502	9838	8803	Sisma Y SLV	0	19.7	0	0	9.8E1	0.502
9839	8803	Sisma X SLO	10.5	0	0	0	9.8E1	0.502	9840	8803	Sisma Y SLO	0	10.5	0	0	9.8E1	0.502
9841	8803	Sisma X SLD	8.7	0	0	0	9.8E1	0.502	9842	8803	Sisma Y SLD	0	8.7	0	0	9.8E1	0.502
9843	8804	Sisma X SLV	18.2	0	0	0	9.1E1	0.502	9844	8804	Sisma Y SLV	0	18.2	0	0	9.1E1	0.502
9845	8804	Sisma X SLO	9.7	0	0	0	9.1E1	0.502	9846	8804	Sisma Y SLO	0	9.7	0	0	9.1E1	0.502
9847	8804	Sisma X SLD	8.1	0	0	0	9.1E1	0.502	9848	8804	Sisma Y SLD	0	8.1	0	0	9.1E1	0.502
9849	8805	Sisma X SLV	19.5	0	0	0	9.7E1	0.502	9850	8805	Sisma Y SLV	0	19.5	0	0	9.7E1	0.502
9851	8805	Sisma X SLO	10.4	0	0	0	9.7E1	0.502	9852	8805	Sisma Y SLO	0	10.4	0	0	9.7E1	0.502
9853	8805	Sisma X SLD	8.6	0	0	0	9.7E1	0.502	9854	8805	Sisma Y SLD	0	8.6	0	0	9.7E1	0.502
9855	8806	Sisma X SLV	21.3	0	0	0	1.1E2	0.502	9856	8806	Sisma Y SLV	0	21.3	0	0	1.1E2	0.502
9857	8806	Sisma X SLO	11.3	0	0	0	1.1E2	0.502	9858	8806	Sisma Y SLO	0	11.3	0	0	1.1E2	0.502
9859	8806	Sisma X SLD	9.4	0	0	0	1.1E2	0.502	9860	8806	Sisma Y SLD	0	9.4	0	0	1.1E2	0.502
9861	8807	Sisma X SLV	15.3	0	0	0	7.6E1	0.503	9862	8807	Sisma Y SLV	0	15.3	0	0	7.6E1	0.503
9863	8807	Sisma X SLO	8.1	0	0	0	7.6E1	0.503	9864	8807	Sisma Y SLO	0	8.1	0	0	7.6E1	0.503
9865	8807	Sisma X SLD	6.8	0	0	0	7.6E1	0.503	9866	8807	Sisma Y SLD	0	6.8	0	0	7.6E1	0.503
9867	8808	Sisma X SLV	19.9	0	0	0	9.9E1	0.503	9868	8808	Sisma Y SLV	0	19.9	0	0	9.9E1	0.503
9869	8808	Sisma X SLO	10.6	0	0	0	9.9E1	0.503	9870	8808	Sisma Y SLO	0	10.6	0	0	9.9E1	0.503
9871	8808	Sisma X SLD	8.8	0	0	0	9.9E1	0.503	9872	8808	Sisma Y SLD	0	8.8	0	0	9.9E1	0.503
9873	8809	Sisma X SLV	18.9	0	0	0	9.4E1	0.503	9874	8809	Sisma Y SLV	0	18.9	0	0	9.4E1	0.503
9875	8809	Sisma X SLO	10.1	0	0	0	9.4E1	0.503	9876	8809	Sisma Y SLO	0	10.1	0	0	9.4E1	0.503
9877	8809	Sisma X SLD	8.4	0	0	0	9.4E1	0.503	9878	8809	Sisma Y SLD	0	8.4	0	0	9.4E1	0.503
9879	8810	Sisma X SLV	18.9	0	0	0	9.4E1	0.503	9880	8810	Sisma Y SLV	0	18.9	0	0	9.4E1	0.503
9881	8810	Sisma X SLO	10.1	0	0	0	9.4E1	0.503	9882	8810	Sisma Y SLO	0	10.1	0	0	9.4E1	0.503
9883	8810	Sisma X SLD	8.4	0	0	0	9.4E1	0.503	9884	8810	Sisma Y SLD	0	8.4	0	0	9.4E1	0.503
9885	8811	Sisma X SLV	18.8	0	0	0	9.3E1	0.503	9886	8811	Sisma Y SLV	0	18.8	0	0	9.3E1	0.503
9887	8811	Sisma X SLO	10	0	0	0	9.3E1	0.503	9888	8811	Sisma Y SLO	0	10	0	0	9.3E1	0.503
9889	8811	Sisma X SLD	8.3	0	0	0	9.3E1	0.503	9890	8811	Sisma Y SLD	0	8.3	0	0	9.3E1	0.503
9891	8812	Sisma X SLV	21.3	0	0	0	1.1E2	0.503	9892	8812	Sisma Y SLV	0	21.3	0	0	1.1E2	0.503
9893	8812	Sisma X SLO	11.3	0	0	0	1.1E2	0.503	9894	8812	Sisma Y SLO	0	11.3	0	0	1.1E2	0.503
9895	8812	Sisma X SLD	9.4	0	0	0	1.1E2	0.503	9896	8812	Sisma Y SLD	0	9.4	0	0	1.1E2	0.503
9897	8813	Sisma X SLV	21.6	0	0	0	1.1E2	0.504	9898	8813	Sisma Y SLV	0	21.6	0	0	1.1E2	0.504
9899	8813	Sisma X SLO	11.5	0	0	0	1.1E2	0.504	9900	8813	Sisma Y SLO	0	11.5	0	0	1.1E2	0.504
9901	8813	Sisma X SLD	9.5	0	0	0	1.1E2	0.504	9902	8813	Sisma Y SLD	0	9.5	0	0	1.1E2	0.504
9903	8814	Sisma X SLV	21.4	0	0	0	1.1E2	0.504	9904	8814	Sisma Y SLV	0	21.4	0	0	1.1E2	0.504
9905	8814	Sisma X SLO	11.4	0	0	0	1.1E2	0.504	9906	8814	Sisma Y SLO	0	11.4	0	0	1.1E2	0.504
9907	8814	Sisma X SLD	9.5	0	0	0	1.1E2	0.504	9908	8814	Sisma Y SLD	0	9.5	0	0	1.1E2	0.504
9909	8815	Sisma X SLV	21.7	0	0	0	1.1E2	0.505	9910	8815	Sisma Y SLV	0	21.7	0	0	1.1E2	0.505
9911	8815	Sisma X SLO	11.6	0	0	0	1.1E2	0.505	9912	8815	Sisma Y SLO	0	11.6	0	0	1.1E2	0.505

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
9913	8815	Sisma X SLD	9.6	0	0	0	1.1E2	0.505	9914	8815	Sisma Y SLD	0	9.6	0	0	1.1E2	0.505
9915	8816	Sisma X SLV	21.9	0	0	0	1.1E2	0.505	9916	8816	Sisma Y SLV	0	21.9	0	0	1.1E2	0.505
9917	8816	Sisma X SLO	11.7	0	0	0	1.1E2	0.505	9918	8816	Sisma Y SLO	0	11.7	0	0	1.1E2	0.505
9919	8816	Sisma X SLD	9.7	0	0	0	1.1E2	0.505	9920	8816	Sisma Y SLD	0	9.7	0	0	1.1E2	0.505
9921	8817	Sisma X SLV	21.5	0	0	0	1.1E2	0.505	9922	8817	Sisma Y SLV	0	21.5	0	0	1.1E2	0.505
9923	8817	Sisma X SLO	11.5	0	0	0	1.1E2	0.505	9924	8817	Sisma Y SLO	0	11.5	0	0	1.1E2	0.505
9925	8817	Sisma X SLD	9.5	0	0	0	1.1E2	0.505	9926	8817	Sisma Y SLD	0	9.5	0	0	1.1E2	0.505
9927	8818	Sisma X SLV	17.9	0	0	0	8.9E1	0.505	9928	8818	Sisma Y SLV	0	17.9	0	0	8.9E1	0.505
9929	8818	Sisma X SLO	9.5	0	0	0	8.9E1	0.505	9930	8818	Sisma Y SLO	0	9.5	0	0	8.9E1	0.505
9931	8818	Sisma X SLD	7.9	0	0	0	8.9E1	0.505	9932	8818	Sisma Y SLD	0	7.9	0	0	8.9E1	0.505
9933	8819	Sisma X SLV	18.4	0	0	0	91.03	0.505	9934	8819	Sisma Y SLV	0	18.4	0	0	91.03	0.505
9935	8819	Sisma X SLO	9.8	0	0	0	91.03	0.505	9936	8819	Sisma Y SLO	0	9.8	0	0	91.03	0.505
9937	8819	Sisma X SLD	8.1	0	0	0	91.03	0.505	9938	8819	Sisma Y SLD	0	8.1	0	0	91.03	0.505
9939	8820	Sisma X SLV	21.9	0	0	0	1.1E2	0.506	9940	8820	Sisma Y SLV	0	21.9	0	0	1.1E2	0.506
9941	8820	Sisma X SLO	11.7	0	0	0	1.1E2	0.506	9942	8820	Sisma Y SLO	0	11.7	0	0	1.1E2	0.506
9943	8820	Sisma X SLD	9.7	0	0	0	1.1E2	0.506	9944	8820	Sisma Y SLD	0	9.7	0	0	1.1E2	0.506
9945	8821	Sisma X SLV	22.4	0	0	0	1.1E2	0.507	9946	8821	Sisma Y SLV	0	22.4	0	0	1.1E2	0.507
9947	8821	Sisma X SLO	11.9	0	0	0	1.1E2	0.507	9948	8821	Sisma Y SLO	0	11.9	0	0	1.1E2	0.507
9949	8821	Sisma X SLD	9.9	0	0	0	1.1E2	0.507	9950	8821	Sisma Y SLD	0	9.9	0	0	1.1E2	0.507
9951	8822	Sisma X SLV	20.1	0	0	0	9.9E1	0.507	9952	8822	Sisma Y SLV	0	20.1	0	0	9.9E1	0.507
9953	8822	Sisma X SLO	10.7	0	0	0	9.9E1	0.507	9954	8822	Sisma Y SLO	0	10.7	0	0	9.9E1	0.507
9955	8822	Sisma X SLD	8.9	0	0	0	9.9E1	0.507	9956	8822	Sisma Y SLD	0	8.9	0	0	9.9E1	0.507
9957	8823	Sisma X SLV	24.2	0	0	0	1.2E2	0.508	9958	8823	Sisma Y SLV	0	24.2	0	0	1.2E2	0.508
9959	8823	Sisma X SLO	12.9	0	0	0	1.2E2	0.508	9960	8823	Sisma Y SLO	0	12.9	0	0	1.2E2	0.508
9961	8823	Sisma X SLD	10.7	0	0	0	1.2E2	0.508	9962	8823	Sisma Y SLD	0	10.7	0	0	1.2E2	0.508
9963	8824	Sisma X SLV	20.2	0	0	0	9.9E1	0.509	9964	8824	Sisma Y SLV	0	20.2	0	0	9.9E1	0.509
9965	8824	Sisma X SLO	10.8	0	0	0	9.9E1	0.509	9966	8824	Sisma Y SLO	0	10.8	0	0	9.9E1	0.509
9967	8824	Sisma X SLD	8.9	0	0	0	9.9E1	0.509	9968	8824	Sisma Y SLD	0	8.9	0	0	9.9E1	0.509
9969	8825	Sisma X SLV	22.9	0	0	0	1.1E2	0.509	9970	8825	Sisma Y SLV	0	22.9	0	0	1.1E2	0.509
9971	8825	Sisma X SLO	12.2	0	0	0	1.1E2	0.509	9972	8825	Sisma Y SLO	0	12.2	0	0	1.1E2	0.509
9973	8825	Sisma X SLD	10.2	0	0	0	1.1E2	0.509	9974	8825	Sisma Y SLD	0	10.2	0	0	1.1E2	0.509
9975	8826	Sisma X SLV	21.6	0	0	0	1.1E2	0.511	9976	8826	Sisma Y SLV	0	21.6	0	0	1.1E2	0.511
9977	8826	Sisma X SLO	11.5	0	0	0	1.1E2	0.511	9978	8826	Sisma Y SLO	0	11.5	0	0	1.1E2	0.511
9979	8826	Sisma X SLD	9.5	0	0	0	1.1E2	0.511	9980	8826	Sisma Y SLD	0	9.5	0	0	1.1E2	0.511
9981	8827	Sisma X SLV	24.7	0	0	0	1.2E2	0.511	9982	8827	Sisma Y SLV	0	24.7	0	0	1.2E2	0.511
9983	8827	Sisma X SLO	13.2	0	0	0	1.2E2	0.511	9984	8827	Sisma Y SLO	0	13.2	0	0	1.2E2	0.511
9985	8827	Sisma X SLD	10.9	0	0	0	1.2E2	0.511	9986	8827	Sisma Y SLD	0	10.9	0	0	1.2E2	0.511
9987	8828	Sisma X SLV	19.1	0	0	0	9.4E1	0.512	9988	8828	Sisma Y SLV	0	19.1	0	0	9.4E1	0.512
9989	8828	Sisma X SLO	10.2	0	0	0	9.4E1	0.512	9990	8828	Sisma Y SLO	0	10.2	0	0	9.4E1	0.512
9991	8828	Sisma X SLD	8.5	0	0	0	9.4E1	0.512	9992	8828	Sisma Y SLD	0	8.5	0	0	9.4E1	0.512
9993	8829	Sisma X SLV	24	0	0	0	1.2E2	0.512	9994	8829	Sisma Y SLV	0	24	0	0	1.2E2	0.512
9995	8829	Sisma X SLO	12.8	0	0	0	1.2E2	0.512	9996	8829	Sisma Y SLO	0	12.8	0	0	1.2E2	0.512
9997	8829	Sisma X SLD	10.6	0	0	0	1.2E2	0.512	9998	8829	Sisma Y SLD	0	10.6	0	0	1.2E2	0.512
9999	8830	Sisma X SLV	24.6	0	0	0	1.2E2	0.513	10000	8830	Sisma Y SLV	0	24.6	0	0	1.2E2	0.513
10001	8830	Sisma X SLO	13.1	0	0	0	1.2E2	0.513	10002	8830	Sisma Y SLO	0	13.1	0	0	1.2E2	0.513
10003	8830	Sisma X SLD	10.9	0	0	0	1.2E2	0.513	10004	8830	Sisma Y SLD	0	10.9	0	0	1.2E2	0.513
10005	8831	Sisma X SLV	24	0	0	0	1.2E2	0.513	10006	8831	Sisma Y SLV	0	24	0	0	1.2E2	0.513
10007	8831	Sisma X SLO	12.8	0	0	0	1.2E2	0.513	10008	8831	Sisma Y SLO	0	12.8	0	0	1.2E2	0.513
10009	8831	Sisma X SLD	10.6	0	0	0	1.2E2	0.513	10010	8831	Sisma Y SLD	0	10.6	0	0	1.2E2	0.513
10011	8832	Sisma X SLV	19.3	0	0	0	9.4E1	0.513	10012	8832	Sisma Y SLV	0	19.3	0	0	9.4E1	0.513
10013	8832	Sisma X SLO	10.3	0	0	0	9.4E1	0.513	10014	8832	Sisma Y SLO	0	10.3	0	0	9.4E1	0.513
10015	8832	Sisma X SLD	8.5	0	0	0	9.4E1	0.513	10016	8832	Sisma Y SLD	0	8.5	0	0	9.4E1	0.513
10017	8833	Sisma X SLV	4.2	0	0	0	2.0E1	0.514	10018	8833	Sisma Y SLV	0	4.2	0	0	2.0E1	0.514
10019	8833	Sisma X SLO	2.2	0	0	0	2.0E1	0.514	10020	8833	Sisma Y SLO	0	2.2	0	0	2.0E1	0.514
10021	8833	Sisma X SLD	1.8	0	0	0	2.0E1	0.514	10022	8833	Sisma Y SLD	0	1.8	0	0	2.0E1	0.514
10023	8834	Sisma X SLV	12.4	0	0	0	6.0E1	0.515	10024	8834	Sisma Y SLV	0	12.4	0	0	6.0E1	0.515
10025	8834	Sisma X SLO	6.6	0	0	0	6.0E1	0.515	10026	8834	Sisma Y SLO	0	6.6	0	0	6.0E1	0.515
10027	8834	Sisma X SLD	5.5	0	0	0	6.0E1	0.515	10028	8834	Sisma Y SLD	0	5.5	0	0	6.0E1	0.515
10029	8835	Sisma X SLV	19.6	0	0	0	9.5E1	0.515	10030	8835	Sisma Y SLV	0	19.6	0	0	9.5E1	0.515
10031	8835	Sisma X SLO	10.4	0	0	0	9.5E1	0.515	10032	8835	Sisma Y SLO	0	10.4	0	0	9.5E1	0.515
10033	8835	Sisma X SLD	8.7	0	0	0	9.5E1	0.515	10034	8835	Sisma Y SLD	0	8.7	0	0	9.5E1	0.515
10035	8836	Sisma X SLV	16.9	0	0	0	8.2E1	0.515	10036	8836	Sisma Y SLV	0	16.9	0	0	8.2E1	0.515
10037	8836	Sisma X SLO	9	0	0	0	8.2E1	0.515	10038	8836	Sisma Y SLO	0	9	0	0	8.2E1	0.515
10039	8836	Sisma X SLD	7.5	0	0	0	8.2E1	0.515	10040	8836	Sisma Y SLD	0	7.5	0	0	8.2E1	0.515
10041	8837	Sisma X SLV	17.4	0	0	0	8.5E1	0.515	10042	8837	Sisma Y SLV	0	17.4	0	0	8.5E1	0.515
10043	8837	Sisma X SLO	9.3	0	0	0	8.5E1	0.515	10044	8837	Sisma Y SLO	0	9.3	0	0	8.5E1	0.515
10045	8837	Sisma X SLD	7.7	0	0	0	8.5E1	0.515	10046	8837	Sisma Y SLD	0	7.7	0	0	8.5E1	0.515
10047	8838	Sisma X SLV	25.9	0	0	0	1.3E2	0.515	10048	8838	Sisma Y SLV	0	25.9	0	0	1.3E2	0.515
10049	8838	Sisma X SLO	13.8	0	0	0	1.3E2	0.515	10050	8838	Sisma Y SLO	0	13.8	0	0	1.3E2	0.515
10051	8838	Sisma X SLD	11.5	0	0	0	1.3E2	0.515	10052	8838	Sisma Y SLD	0	11.5	0	0	1.3E2	0.515
10053	8839	Sisma X SLV	42.3	0	0	0	2.1E2	0.515	10054	8839	Sisma Y SLV	0	42.3	0	0	2.1E2	0.515
10055	8839	Sisma X SLO	22.5	0	0	0	2.1E2	0.515	10056	8839	Sisma Y SLO	0	22.5	0	0	2.1E2	0.515
10057	8839	Sisma X SLD	18.7	0	0	0	2.1E2	0.515	10058	8839	Sisma Y SLD	0	18.7	0	0	2.1E2	0.515
10059	8840	Sisma X SLV	27.3	0	0	0	1.3E2	0.516	10060	8840	Sisma Y SLV	0	27.3	0	0	1.3E2	0.516
10061	8840	Sisma X SLO	14.5	0	0	0	1.3E2	0.516	10062	8840	Sisma Y SLO	0	14.5	0	0	1.3E2	0.516
10063	8840	Sisma X SLD	12.1	0	0	0	1.3E2	0.516	10064	8840	Sisma Y SLD	0	12.1	0	0	1.3E2	0.516
10065	8841	Sisma X SLV	14.2	0	0	0	69.1	0.516	10066	8841	Sisma Y SLV	0	14.2	0	0	69.1	0.516
10067	8841	Sisma X SLO	7.6	0	0	0	69.1	0.516	10068	8841	Sisma Y SLO	0	7.6	0	0	69.1	0.516
10069	8841	Sisma X SLD	6.3	0	0	0	69.1	0.516	10070	8841	Sisma Y SLD	0	6.3	0	0	69.1	0.516
10071	8842	Sisma X SLV	6	0	0	0	2.9E1	0.516	10072	8842	Sisma Y SLV	0	6	0	0	2.9E1	0.516
10073	8842	Sisma X SLO	3.2	0	0	0	2.9E1	0.516	10074	8842	Sisma Y SLO	0	3.2	0	0	2.9E1	0.516
10075	8842	Sisma X SLD	2.6	0	0	0	2.9E1	0.516	10076	8842	Sisma Y SLD	0	2.6	0	0	2.9E1	0.516
10077	8843	Sisma X SLV	6	0	0	0	2.9E1	0.517	10078	8843	Sisma Y SLV	0	6	0	0	2.9E1	0.517
10079	8843	Sisma X SLO	3.2	0	0	0	2.9E1	0.517	10080	8843	Sisma Y SLO	0	3.2	0	0	2.9E1	0.517
10081	8843	Sisma X SLD	2.7	0	0	0	2.9E1	0.517	10082	8843	Sisma Y SLD	0	2.7	0	0	2.9E1	0.517
10083	8844	Sisma X SLV	5.1	0	0	0	2.4E1	0.52	10084	8844	Sisma Y SLV	0	5.1	0	0	2.4E1	0.52
10085	8844	Sisma X SLO	2.7	0	0	0	2.4E1	0.52	10086	8844	Sisma Y SLO	0	2.7	0	0	2.4E1	0.52
10087	8844	Sisma X SLD	2.2	0	0	0	2.4E1	0.52	10088	8844	Sisma Y SLD	0	2.2	0	0	2.4E1	0.52
10089	8845	Sisma X SLV	20.5	0	0	0	9.9E1	0.521	10090	8845	Sisma Y SLV	0	20.5	0	0	9.9E1	0.521
10091	8845	Sisma X SLO	10.9	0	0	0	9.9E1	0.521	10092	8845	Sisma Y SLO	0	10.9	0	0	9.9E1	0.521
10093	8845	Sisma X SLD	9.1	0	0	0	9.9E1	0.521	10094	8845	Sisma Y SLD	0	9.1	0	0	9.9E1	0.521
10095	8846	Sisma X SLV	7.1	0	0	0	3.4E1	0.521	10096	8846	Sisma Y SLV	0	7.1	0	0	3.4E1	0.521
10097	8846	Sisma X SLO	3.8	0	0	0	3.4E1	0.521	10098	8846	Sisma Y SLO	0	3.8	0	0	3.4E1	0.521
10099	8846	Sisma X SLD	3.1	0	0	0	3.4E1	0.521	10100	8846	Sisma Y SLD	0	3.1	0	0	3.4E1	0.521
10101	8847	Sisma X SLV	34.7	0	0	0	1.7E2	0.521	10102	8847	Sisma Y SLV	0	34.7	0	0	1.7E2	0.521
10103	8847	Sisma X SLO	18.5	0	0	0	1.7E2	0.521	10104	8847	Sisma Y SLO	0	18.5	0	0	1.7E2	0.521
10105	8847	Sisma X SLD	15.4	0	0	0	1.7E2	0.521	10106	8847	Sisma Y SLD	0	15.4	0	0	1.7E2	0.521
10107	8848	Sisma X SLV	8	0	0	0	3.8E1	0.522	10108	8848	Sisma Y SLV	0	8	0	0	3.8E1	0.522
10109	8848	Sisma X SLO	4.3	0	0	0	3.8E1	0.522	10110	8848	Sisma Y SLO	0	4.3	0	0	3.8E1	0.522
10111	8848	Sisma X SLD	3.5	0	0	0	3.8E1	0.522	10112	8848	Sisma Y SLD	0	3.5	0	0	3.8E1	0.522

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
10113	8849	Sisma X SLV	21.2	0	0	0	1.0E2	0.523	10114	8849	Sisma Y SLV	0	21.2	0	0	1.0E2	0.523
10115	8849	Sisma X SLO	11.3	0	0	0	1.0E2	0.523	10116	8849	Sisma Y SLO	0	11.3	0	0	1.0E2	0.523
10117	8849	Sisma X SLD	9.4	0	0	0	1.0E2	0.523	10118	8849	Sisma Y SLD	0	9.4	0	0	1.0E2	0.523
10119	8850	Sisma X SLV	26.4	0	0	0	1.3E2	0.523	10120	8850	Sisma Y SLV	0	26.4	0	0	1.3E2	0.523
10121	8850	Sisma X SLO	14.1	0	0	0	1.3E2	0.523	10122	8850	Sisma Y SLO	0	14.1	0	0	1.3E2	0.523
10123	8850	Sisma X SLD	11.7	0	0	0	1.3E2	0.523	10124	8850	Sisma Y SLD	0	11.7	0	0	1.3E2	0.523
10125	8851	Sisma X SLV	26.1	0	0	0	1.2E2	0.524	10126	8851	Sisma Y SLV	0	26.1	0	0	1.2E2	0.524
10127	8851	Sisma X SLO	13.9	0	0	0	1.2E2	0.524	10128	8851	Sisma Y SLO	0	13.9	0	0	1.2E2	0.524
10129	8851	Sisma X SLD	11.5	0	0	0	1.2E2	0.524	10130	8851	Sisma Y SLD	0	11.5	0	0	1.2E2	0.524
10131	8852	Sisma X SLV	35.5	0	0	0	1.7E2	0.524	10132	8852	Sisma Y SLV	0	35.5	0	0	1.7E2	0.524
10133	8852	Sisma X SLO	18.9	0	0	0	1.7E2	0.524	10134	8852	Sisma Y SLO	0	18.9	0	0	1.7E2	0.524
10135	8852	Sisma X SLD	15.7	0	0	0	1.7E2	0.524	10136	8852	Sisma Y SLD	0	15.7	0	0	1.7E2	0.524
10137	8853	Sisma X SLV	7.2	0	0	0	3.4E1	0.526	10138	8853	Sisma Y SLV	0	7.2	0	0	3.4E1	0.526
10139	8853	Sisma X SLO	3.8	0	0	0	3.4E1	0.526	10140	8853	Sisma Y SLO	0	3.8	0	0	3.4E1	0.526
10141	8853	Sisma X SLD	3.2	0	0	0	3.4E1	0.526	10142	8853	Sisma Y SLD	0	3.2	0	0	3.4E1	0.526
10143	8854	Sisma X SLV	8.3	0	0	0	4.0E1	0.526	10144	8854	Sisma Y SLV	0	8.3	0	0	4.0E1	0.526
10145	8854	Sisma X SLO	4.4	0	0	0	4.0E1	0.526	10146	8854	Sisma Y SLO	0	4.4	0	0	4.0E1	0.526
10147	8854	Sisma X SLD	3.7	0	0	0	4.0E1	0.526	10148	8854	Sisma Y SLD	0	3.7	0	0	4.0E1	0.526
10149	8855	Sisma X SLV	6.7	0	0	0	3.2E1	0.526	10150	8855	Sisma Y SLV	0	6.7	0	0	3.2E1	0.526
10151	8855	Sisma X SLO	3.6	0	0	0	3.2E1	0.526	10152	8855	Sisma Y SLO	0	3.6	0	0	3.2E1	0.526
10153	8855	Sisma X SLD	3	0	0	0	3.2E1	0.526	10154	8855	Sisma Y SLD	0	3	0	0	3.2E1	0.526
10155	8856	Sisma X SLV	9.1	0	0	0	4.3E1	0.526	10156	8856	Sisma Y SLV	0	9.1	0	0	4.3E1	0.526
10157	8856	Sisma X SLO	4.8	0	0	0	4.3E1	0.526	10158	8856	Sisma Y SLO	0	4.8	0	0	4.3E1	0.526
10159	8856	Sisma X SLD	4	0	0	0	4.3E1	0.526	10160	8856	Sisma Y SLD	0	4	0	0	4.3E1	0.526
10161	8857	Sisma X SLV	22	0	0	0	1.0E2	0.526	10162	8857	Sisma Y SLV	0	22	0	0	1.0E2	0.526
10163	8857	Sisma X SLO	11.7	0	0	0	1.0E2	0.526	10164	8857	Sisma Y SLO	0	11.7	0	0	1.0E2	0.526
10165	8857	Sisma X SLD	9.7	0	0	0	1.0E2	0.526	10166	8857	Sisma Y SLD	0	9.7	0	0	1.0E2	0.526
10167	8858	Sisma X SLV	35.9	0	0	0	1.7E2	0.526	10168	8858	Sisma Y SLV	0	35.9	0	0	1.7E2	0.526
10169	8858	Sisma X SLO	19.1	0	0	0	1.7E2	0.526	10170	8858	Sisma Y SLO	0	19.1	0	0	1.7E2	0.526
10171	8858	Sisma X SLD	15.9	0	0	0	1.7E2	0.526	10172	8858	Sisma Y SLD	0	15.9	0	0	1.7E2	0.526
10173	8859	Sisma X SLV	28.6	0	0	0	1.4E2	0.526	10174	8859	Sisma Y SLV	0	28.6	0	0	1.4E2	0.526
10175	8859	Sisma X SLO	15.3	0	0	0	1.4E2	0.526	10176	8859	Sisma Y SLO	0	15.3	0	0	1.4E2	0.526
10177	8859	Sisma X SLD	12.7	0	0	0	1.4E2	0.526	10178	8859	Sisma Y SLD	0	12.7	0	0	1.4E2	0.526
10179	8860	Sisma X SLV	7.7	0	0	0	3.6E1	0.527	10180	8860	Sisma Y SLV	0	7.7	0	0	3.6E1	0.527
10181	8860	Sisma X SLO	4.1	0	0	0	3.6E1	0.527	10182	8860	Sisma Y SLO	0	4.1	0	0	3.6E1	0.527
10183	8860	Sisma X SLD	3.4	0	0	0	3.6E1	0.527	10184	8860	Sisma Y SLD	0	3.4	0	0	3.6E1	0.527
10185	8861	Sisma X SLV	9.6	0	0	0	4.5E1	0.527	10186	8861	Sisma Y SLV	0	9.6	0	0	4.5E1	0.527
10187	8861	Sisma X SLO	5.1	0	0	0	4.5E1	0.527	10188	8861	Sisma Y SLO	0	5.1	0	0	4.5E1	0.527
10189	8861	Sisma X SLD	4.2	0	0	0	4.5E1	0.527	10190	8861	Sisma Y SLD	0	4.2	0	0	4.5E1	0.527
10191	8862	Sisma X SLV	36.2	0	0	0	1.7E2	0.527	10192	8862	Sisma Y SLV	0	36.2	0	0	1.7E2	0.527
10193	8862	Sisma X SLO	19.3	0	0	0	1.7E2	0.527	10194	8862	Sisma Y SLO	0	19.3	0	0	1.7E2	0.527
10195	8862	Sisma X SLD	16	0	0	0	1.7E2	0.527	10196	8862	Sisma Y SLD	0	16	0	0	1.7E2	0.527
10197	8863	Sisma X SLV	36.9	0	0	0	1.7E2	0.527	10198	8863	Sisma Y SLV	0	36.9	0	0	1.7E2	0.527
10199	8863	Sisma X SLO	19.7	0	0	0	1.7E2	0.527	10200	8863	Sisma Y SLO	0	19.7	0	0	1.7E2	0.527
10201	8863	Sisma X SLD	16.3	0	0	0	1.7E2	0.527	10202	8863	Sisma Y SLD	0	16.3	0	0	1.7E2	0.527
10203	8864	Sisma X SLV	9.5	0	0	0	4.5E1	0.528	10204	8864	Sisma Y SLV	0	9.5	0	0	4.5E1	0.528
10205	8864	Sisma X SLO	5.1	0	0	0	4.5E1	0.528	10206	8864	Sisma Y SLO	0	5.1	0	0	4.5E1	0.528
10207	8864	Sisma X SLD	4.2	0	0	0	4.5E1	0.528	10208	8864	Sisma Y SLD	0	4.2	0	0	4.5E1	0.528
10209	8865	Sisma X SLV	7.1	0	0	0	3.4E1	0.528	10210	8865	Sisma Y SLV	0	7.1	0	0	3.4E1	0.528
10211	8865	Sisma X SLO	3.8	0	0	0	3.4E1	0.528	10212	8865	Sisma Y SLO	0	3.8	0	0	3.4E1	0.528
10213	8865	Sisma X SLD	3.1	0	0	0	3.4E1	0.528	10214	8865	Sisma Y SLD	0	3.1	0	0	3.4E1	0.528
10215	8866	Sisma X SLV	36	0	0	0	1.7E2	0.528	10216	8866	Sisma Y SLV	0	36	0	0	1.7E2	0.528
10217	8866	Sisma X SLO	19.2	0	0	0	1.7E2	0.528	10218	8866	Sisma Y SLO	0	19.2	0	0	1.7E2	0.528
10219	8866	Sisma X SLD	15.9	0	0	0	1.7E2	0.528	10220	8866	Sisma Y SLD	0	15.9	0	0	1.7E2	0.528
10221	8867	Sisma X SLV	8.9	0	0	0	4.2E1	0.528	10222	8867	Sisma Y SLV	0	8.9	0	0	4.2E1	0.528
10223	8867	Sisma X SLO	4.8	0	0	0	4.2E1	0.528	10224	8867	Sisma Y SLO	0	4.8	0	0	4.2E1	0.528
10225	8867	Sisma X SLD	4	0	0	0	4.2E1	0.528	10226	8867	Sisma Y SLD	0	4	0	0	4.2E1	0.528
10227	8868	Sisma X SLV	10.1	0	0	0	4.8E1	0.528	10228	8868	Sisma Y SLV	0	10.1	0	0	4.8E1	0.528
10229	8868	Sisma X SLO	5.4	0	0	0	4.8E1	0.528	10230	8868	Sisma Y SLO	0	5.4	0	0	4.8E1	0.528
10231	8868	Sisma X SLD	4.4	0	0	0	4.8E1	0.528	10232	8868	Sisma Y SLD	0	4.4	0	0	4.8E1	0.528
10233	8869	Sisma X SLV	34.9	0	0	0	1.7E2	0.528	10234	8869	Sisma Y SLV	0	34.9	0	0	1.7E2	0.528
10235	8869	Sisma X SLO	18.6	0	0	0	1.7E2	0.528	10236	8869	Sisma Y SLO	0	18.6	0	0	1.7E2	0.528
10237	8869	Sisma X SLD	15.4	0	0	0	1.7E2	0.528	10238	8869	Sisma Y SLD	0	15.4	0	0	1.7E2	0.528
10239	8870	Sisma X SLV	39.3	0	0	0	1.9E2	0.528	10240	8870	Sisma Y SLV	0	39.3	0	0	1.9E2	0.528
10241	8870	Sisma X SLO	20.9	0	0	0	1.9E2	0.528	10242	8870	Sisma Y SLO	0	20.9	0	0	1.9E2	0.528
10243	8870	Sisma X SLD	17.4	0	0	0	1.9E2	0.528	10244	8870	Sisma Y SLD	0	17.4	0	0	1.9E2	0.528
10245	8871	Sisma X SLV	7.1	0	0	0	3.4E1	0.528	10246	8871	Sisma Y SLV	0	7.1	0	0	3.4E1	0.528
10247	8871	Sisma X SLO	3.8	0	0	0	3.4E1	0.528	10248	8871	Sisma Y SLO	0	3.8	0	0	3.4E1	0.528
10249	8871	Sisma X SLD	3.2	0	0	0	3.4E1	0.528	10250	8871	Sisma Y SLD	0	3.2	0	0	3.4E1	0.528
10251	8872	Sisma X SLV	36	0	0	0	1.7E2	0.529	10252	8872	Sisma Y SLV	0	36	0	0	1.7E2	0.529
10253	8872	Sisma X SLO	19.2	0	0	0	1.7E2	0.529	10254	8872	Sisma Y SLO	0	19.2	0	0	1.7E2	0.529
10255	8872	Sisma X SLD	15.9	0	0	0	1.7E2	0.529	10256	8872	Sisma Y SLD	0	15.9	0	0	1.7E2	0.529
10257	8873	Sisma X SLV	8.3	0	0	0	3.9E1	0.529	10258	8873	Sisma Y SLV	0	8.3	0	0	3.9E1	0.529
10259	8873	Sisma X SLO	4.4	0	0	0	3.9E1	0.529	10260	8873	Sisma Y SLO	0	4.4	0	0	3.9E1	0.529
10261	8873	Sisma X SLD	3.7	0	0	0	3.9E1	0.529	10262	8873	Sisma Y SLD	0	3.7	0	0	3.9E1	0.529
10263	8874	Sisma X SLV	25.2	0	0	0	1.2E2	0.53	10264	8874	Sisma Y SLV	0	25.2	0	0	1.2E2	0.53
10265	8874	Sisma X SLO	13.4	0	0	0	1.2E2	0.53	10266	8874	Sisma Y SLO	0	13.4	0	0	1.2E2	0.53
10267	8874	Sisma X SLD	11.1	0	0	0	1.2E2	0.53	10268	8874	Sisma Y SLD	0	11.1	0	0	1.2E2	0.53
10269	8875	Sisma X SLV	35.8	0	0	0	1.7E2	0.53	10270	8875	Sisma Y SLV	0	35.8	0	0	1.7E2	0.53
10271	8875	Sisma X SLO	19.1	0	0	0	1.7E2	0.53	10272	8875	Sisma Y SLO	0	19.1	0	0	1.7E2	0.53
10273	8875	Sisma X SLD	15.9	0	0	0	1.7E2	0.53	10274	8875	Sisma Y SLD	0	15.9	0	0	1.7E2	0.53
10275	8876	Sisma X SLV	24.8	0	0	0	1.2E2	0.53	10276	8876	Sisma Y SLV	0	24.8	0	0	1.2E2	0.53
10277	8876	Sisma X SLO	13.2	0	0	0	1.2E2	0.53	10278	8876	Sisma Y SLO	0	13.2	0	0	1.2E2	0.53
10279	8876	Sisma X SLD	11	0	0	0	1.2E2	0.53	10280	8876	Sisma Y SLD	0	11	0	0	1.2E2	0.53
10281	8877	Sisma X SLV	8.9	0	0	0	4.2E1	0.53	10282	8877	Sisma Y SLV	0	8.9	0	0	4.2E1	0.53
10283	8877	Sisma X SLO	4.7	0	0	0	4.2E1	0.53	10284	8877	Sisma Y SLO	0	4.7	0	0	4.2E1	0.53
10285	8877	Sisma X SLD	3.9	0	0	0	4.2E1	0.53	10286	8877	Sisma Y SLD	0	3.9	0	0	4.2E1	0.53
10287	8878	Sisma X SLV	8.5	0	0	0	4.0E1	0.53	10288	8878	Sisma Y SLV	0	8.5	0	0	4.0E1	0.53
10289	8878	Sisma X SLO	4.5	0	0	0	4.0E1	0.53	10290	8878	Sisma Y SLO	0	4.5	0	0	4.0E1	0.53
10291	8878	Sisma X SLD	3.7	0	0	0	4.0E1	0.53	10292	8878	Sisma Y SLD	0	3.7	0	0	4.0E1	0.53
10293	8879	Sisma X SLV	35.5	0	0	0	1.7E2	0.53	10294	8879	Sisma Y SLV	0	35.5	0	0	1.7E2	0.53
10295	8879	Sisma X SLO	18.9	0	0	0	1.7E2	0.53	10296	8879	Sisma Y SLO	0	18.9	0	0	1.7E2	0.53
10297	8879	Sisma X SLD	15.7	0	0	0	1.7E2	0.53	10298	8879	Sisma Y SLD	0	15.7	0	0	1.7E2	0.53
10299	8880	Sisma X SLV	8.3	0	0	0	3.9E1	0.531	10300	8880	Sisma Y SLV	0	8.3	0	0	3.9E1	0.531
10301	8880	Sisma X SLO	4.4	0	0	0	3.9E1	0.531	10302	8880	Sisma Y SLO	0	4.4	0	0	3.9E1	0.531
10303	8880	Sisma X SLD	3.7	0	0	0	3.9E1	0.531	10304	8880	Sisma Y SLD	0	3.7	0	0	3.9E1	0.531
10305	8881	Sisma X SLV	9.8	0	0	0	4.6E1	0.531	10306	8881	Sisma Y SLV	0	9.8	0	0	4.6E1	0.531
10307	8881	Sisma X SLO	5.2	0	0	0	4.6E1	0.531	10308	8881	Sisma Y SLO	0	5.2	0	0	4.6E1	0.531
10309	8881	Sisma X SLD	4.3	0	0	0	4.6E1	0.531	10310	8881	Sisma Y SLD	0	4.3	0	0	4.6E1	0.531
10311	8882	Sisma X SLV	10.8	0	0	0	5.1E1	0.531	10312	8882	Sisma Y SLV	0	10.8	0	0	5.1E1	0.531

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
10313	8882	Sisma X SLO	5.7	0	0	0	5.1E1	0.531	10314	8882	Sisma Y SLO	0	5.7	0	0	5.1E1	0.531
10315	8882	Sisma X SLD	4.8	0	0	0	5.1E1	0.531	10316	8882	Sisma Y SLD	0	4.8	0	0	5.1E1	0.531
10317	8883	Sisma X SLV	8.5	0	0	0	4.0E1	0.531	10318	8883	Sisma Y SLV	0	8.5	0	0	4.0E1	0.531
10319	8883	Sisma X SLO	4.6	0	0	0	4.0E1	0.531	10320	8883	Sisma Y SLO	0	4.6	0	0	4.0E1	0.531
10321	8883	Sisma X SLD	3.8	0	0	0	4.0E1	0.531	10322	8883	Sisma Y SLD	0	3.8	0	0	4.0E1	0.531
10323	8884	Sisma X SLV	35.1	0	0	0	1.7E2	0.531	10324	8884	Sisma Y SLV	0	35.1	0	0	1.7E2	0.531
10325	8884	Sisma X SLO	18.7	0	0	0	1.7E2	0.531	10326	8884	Sisma Y SLO	0	18.7	0	0	1.7E2	0.531
10327	8884	Sisma X SLD	15.5	0	0	0	1.7E2	0.531	10328	8884	Sisma Y SLD	0	15.5	0	0	1.7E2	0.531
10329	8885	Sisma X SLV	8.2	0	0	0	3.8E1	0.532	10330	8885	Sisma Y SLV	0	8.2	0	0	3.8E1	0.532
10331	8885	Sisma X SLO	4.4	0	0	0	3.8E1	0.532	10332	8885	Sisma Y SLO	0	4.4	0	0	3.8E1	0.532
10333	8885	Sisma X SLD	3.6	0	0	0	3.8E1	0.532	10334	8885	Sisma Y SLD	0	3.6	0	0	3.8E1	0.532
10335	8886	Sisma X SLV	10.6	0	0	0	5.0E1	0.532	10336	8886	Sisma Y SLV	0	10.6	0	0	5.0E1	0.532
10337	8886	Sisma X SLO	5.6	0	0	0	5.0E1	0.532	10338	8886	Sisma Y SLO	0	5.6	0	0	5.0E1	0.532
10339	8886	Sisma X SLD	4.7	0	0	0	5.0E1	0.532	10340	8886	Sisma Y SLD	0	4.7	0	0	5.0E1	0.532
10341	8887	Sisma X SLV	32.7	0	0	0	1.5E2	0.532	10342	8887	Sisma Y SLV	0	32.7	0	0	1.5E2	0.532
10343	8887	Sisma X SLO	17.4	0	0	0	1.5E2	0.532	10344	8887	Sisma Y SLO	0	17.4	0	0	1.5E2	0.532
10345	8887	Sisma X SLD	14.5	0	0	0	1.5E2	0.532	10346	8887	Sisma Y SLD	0	14.5	0	0	1.5E2	0.532
10347	8888	Sisma X SLV	40	0	0	0	1.9E2	0.532	10348	8888	Sisma Y SLV	0	40	0	0	1.9E2	0.532
10349	8888	Sisma X SLO	21.3	0	0	0	1.9E2	0.532	10350	8888	Sisma Y SLO	0	21.3	0	0	1.9E2	0.532
10351	8888	Sisma X SLD	17.7	0	0	0	1.9E2	0.532	10352	8888	Sisma Y SLD	0	17.7	0	0	1.9E2	0.532
10353	8889	Sisma X SLV	34.7	0	0	0	1.6E2	0.532	10354	8889	Sisma Y SLV	0	34.7	0	0	1.6E2	0.532
10355	8889	Sisma X SLO	18.5	0	0	0	1.6E2	0.532	10356	8889	Sisma Y SLO	0	18.5	0	0	1.6E2	0.532
10357	8889	Sisma X SLD	15.3	0	0	0	1.6E2	0.532	10358	8889	Sisma Y SLD	0	15.3	0	0	1.6E2	0.532
10359	8890	Sisma X SLV	9.1	0	0	0	4.3E1	0.532	10360	8890	Sisma Y SLV	0	9.1	0	0	4.3E1	0.532
10361	8890	Sisma X SLO	4.9	0	0	0	4.3E1	0.532	10362	8890	Sisma Y SLO	0	4.9	0	0	4.3E1	0.532
10363	8890	Sisma X SLD	4	0	0	0	4.3E1	0.532	10364	8890	Sisma Y SLD	0	4	0	0	4.3E1	0.532
10365	8891	Sisma X SLV	9.5	0	0	0	4.5E1	0.532	10366	8891	Sisma Y SLV	0	9.5	0	0	4.5E1	0.532
10367	8891	Sisma X SLO	5.1	0	0	0	4.5E1	0.532	10368	8891	Sisma Y SLO	0	5.1	0	0	4.5E1	0.532
10369	8891	Sisma X SLD	4.2	0	0	0	4.5E1	0.532	10370	8891	Sisma Y SLD	0	4.2	0	0	4.5E1	0.532
10371	8892	Sisma X SLV	34.4	0	0	0	1.6E2	0.533	10372	8892	Sisma Y SLV	0	34.4	0	0	1.6E2	0.533
10373	8892	Sisma X SLO	18.4	0	0	0	1.6E2	0.533	10374	8892	Sisma Y SLO	0	18.4	0	0	1.6E2	0.533
10375	8892	Sisma X SLD	15.2	0	0	0	1.6E2	0.533	10376	8892	Sisma Y SLD	0	15.2	0	0	1.6E2	0.533
10377	8893	Sisma X SLV	9.9	0	0	0	4.6E1	0.533	10378	8893	Sisma Y SLV	0	9.9	0	0	4.6E1	0.533
10379	8893	Sisma X SLO	5.3	0	0	0	4.6E1	0.533	10380	8893	Sisma Y SLO	0	5.3	0	0	4.6E1	0.533
10381	8893	Sisma X SLD	4.4	0	0	0	4.6E1	0.533	10382	8893	Sisma Y SLD	0	4.4	0	0	4.6E1	0.533
10383	8894	Sisma X SLV	10	0	0	0	4.7E1	0.534	10384	8894	Sisma Y SLV	0	10	0	0	4.7E1	0.534
10385	8894	Sisma X SLO	5.3	0	0	0	4.7E1	0.534	10386	8894	Sisma Y SLO	0	5.3	0	0	4.7E1	0.534
10387	8894	Sisma X SLD	4.4	0	0	0	4.7E1	0.534	10388	8894	Sisma Y SLD	0	4.4	0	0	4.7E1	0.534
10389	8895	Sisma X SLV	33.1	0	0	0	1.6E2	0.534	10390	8895	Sisma Y SLV	0	33.1	0	0	1.6E2	0.534
10391	8895	Sisma X SLO	17.7	0	0	0	1.6E2	0.534	10392	8895	Sisma Y SLO	0	17.7	0	0	1.6E2	0.534
10393	8895	Sisma X SLD	14.7	0	0	0	1.6E2	0.534	10394	8895	Sisma Y SLD	0	14.7	0	0	1.6E2	0.534
10395	8896	Sisma X SLV	39.6	0	0	0	1.9E2	0.534	10396	8896	Sisma Y SLV	0	39.6	0	0	1.9E2	0.534
10397	8896	Sisma X SLO	21.1	0	0	0	1.9E2	0.534	10398	8896	Sisma Y SLO	0	21.1	0	0	1.9E2	0.534
10399	8896	Sisma X SLD	17.5	0	0	0	1.9E2	0.534	10400	8896	Sisma Y SLD	0	17.5	0	0	1.9E2	0.534
10401	8897	Sisma X SLV	32.3	0	0	0	1.5E2	0.534	10402	8897	Sisma Y SLV	0	32.3	0	0	1.5E2	0.534
10403	8897	Sisma X SLO	17.2	0	0	0	1.5E2	0.534	10404	8897	Sisma Y SLO	0	17.2	0	0	1.5E2	0.534
10405	8897	Sisma X SLD	14.3	0	0	0	1.5E2	0.534	10406	8897	Sisma Y SLD	0	14.3	0	0	1.5E2	0.534
10407	8898	Sisma X SLV	16.7	0	0	0	7.8E1	0.534	10408	8898	Sisma Y SLV	0	16.7	0	0	7.8E1	0.534
10409	8898	Sisma X SLO	8.9	0	0	0	7.8E1	0.534	10410	8898	Sisma Y SLO	0	8.9	0	0	7.8E1	0.534
10411	8898	Sisma X SLD	7.4	0	0	0	7.8E1	0.534	10412	8898	Sisma Y SLD	0	7.4	0	0	7.8E1	0.534
10413	8899	Sisma X SLV	16.4	0	0	0	7.7E1	0.534	10414	8899	Sisma Y SLV	0	16.4	0	0	7.7E1	0.534
10415	8899	Sisma X SLO	8.7	0	0	0	7.7E1	0.534	10416	8899	Sisma Y SLO	0	8.7	0	0	7.7E1	0.534
10417	8899	Sisma X SLD	7.2	0	0	0	7.7E1	0.534	10418	8899	Sisma Y SLD	0	7.2	0	0	7.7E1	0.534
10419	8900	Sisma X SLV	24.7	0	0	0	1.2E2	0.534	10420	8900	Sisma Y SLV	0	24.7	0	0	1.2E2	0.534
10421	8900	Sisma X SLO	13.2	0	0	0	1.2E2	0.534	10422	8900	Sisma Y SLO	0	13.2	0	0	1.2E2	0.534
10423	8900	Sisma X SLD	10.9	0	0	0	1.2E2	0.534	10424	8900	Sisma Y SLD	0	10.9	0	0	1.2E2	0.534
10425	8901	Sisma X SLV	36	0	0	0	1.7E2	0.534	10426	8901	Sisma Y SLV	0	36	0	0	1.7E2	0.534
10427	8901	Sisma X SLO	19.2	0	0	0	1.7E2	0.534	10428	8901	Sisma Y SLO	0	19.2	0	0	1.7E2	0.534
10429	8901	Sisma X SLD	15.9	0	0	0	1.7E2	0.534	10430	8901	Sisma Y SLD	0	15.9	0	0	1.7E2	0.534
10431	8902	Sisma X SLV	22.4	0	0	0	1.0E2	0.534	10432	8902	Sisma Y SLV	0	22.4	0	0	1.0E2	0.534
10433	8902	Sisma X SLO	11.9	0	0	0	1.0E2	0.534	10434	8902	Sisma Y SLO	0	11.9	0	0	1.0E2	0.534
10435	8902	Sisma X SLD	9.9	0	0	0	1.0E2	0.534	10436	8902	Sisma Y SLD	0	9.9	0	0	1.0E2	0.534
10437	8903	Sisma X SLV	11.2	0	0	0	5.2E1	0.534	10438	8903	Sisma Y SLV	0	11.2	0	0	5.2E1	0.534
10439	8903	Sisma X SLO	6	0	0	0	5.2E1	0.534	10440	8903	Sisma Y SLO	0	6	0	0	5.2E1	0.534
10441	8903	Sisma X SLD	5	0	0	0	5.2E1	0.534	10442	8903	Sisma Y SLD	0	5	0	0	5.2E1	0.534
10443	8904	Sisma X SLV	13.4	0	0	0	6.3E1	0.534	10444	8904	Sisma Y SLV	0	13.4	0	0	6.3E1	0.534
10445	8904	Sisma X SLO	7.1	0	0	0	6.3E1	0.534	10446	8904	Sisma Y SLO	0	7.1	0	0	6.3E1	0.534
10447	8904	Sisma X SLD	5.9	0	0	0	6.3E1	0.534	10448	8904	Sisma Y SLD	0	5.9	0	0	6.3E1	0.534
10449	8905	Sisma X SLV	13.2	0	0	0	6.2E1	0.534	10450	8905	Sisma Y SLV	0	13.2	0	0	6.2E1	0.534
10451	8905	Sisma X SLO	7	0	0	0	6.2E1	0.534	10452	8905	Sisma Y SLO	0	7	0	0	6.2E1	0.534
10453	8905	Sisma X SLD	5.8	0	0	0	6.2E1	0.534	10454	8905	Sisma Y SLD	0	5.8	0	0	6.2E1	0.534
10455	8906	Sisma X SLV	22	0	0	0	1.0E2	0.534	10456	8906	Sisma Y SLV	0	22	0	0	1.0E2	0.534
10457	8906	Sisma X SLO	11.7	0	0	0	1.0E2	0.534	10458	8906	Sisma Y SLO	0	11.7	0	0	1.0E2	0.534
10459	8906	Sisma X SLD	9.7	0	0	0	1.0E2	0.534	10460	8906	Sisma Y SLD	0	9.7	0	0	1.0E2	0.534
10461	8907	Sisma X SLV	33	0	0	0	1.5E2	0.534	10462	8907	Sisma Y SLV	0	33	0	0	1.5E2	0.534
10463	8907	Sisma X SLO	17.6	0	0	0	1.5E2	0.534	10464	8907	Sisma Y SLO	0	17.6	0	0	1.5E2	0.534
10465	8907	Sisma X SLD	14.6	0	0	0	1.5E2	0.534	10466	8907	Sisma Y SLD	0	14.6	0	0	1.5E2	0.534
10467	8908	Sisma X SLV	49.3	0	0	0	2.3E2	0.534	10468	8908	Sisma Y SLV	0	49.3	0	0	2.3E2	0.534
10469	8908	Sisma X SLO	26.3	0	0	0	2.3E2	0.534	10470	8908	Sisma Y SLO	0	26.3	0	0	2.3E2	0.534
10471	8908	Sisma X SLD	21.8	0	0	0	2.3E2	0.534	10472	8908	Sisma Y SLD	0	21.8	0	0	2.3E2	0.534
10473	8909	Sisma X SLV	11.9	0	0	0	5.6E1	0.534	10474	8909	Sisma Y SLV	0	11.9	0	0	5.6E1	0.534
10475	8909	Sisma X SLO	6.4	0	0	0	5.6E1	0.534	10476	8909	Sisma Y SLO	0	6.4	0	0	5.6E1	0.534
10477	8909	Sisma X SLD	5.3	0	0	0	5.6E1	0.534	10478	8909	Sisma Y SLD	0	5.3	0	0	5.6E1	0.534
10479	8910	Sisma X SLV	48.8	0	0	0	2.3E2	0.535	10480	8910	Sisma Y SLV	0	48.8	0	0	2.3E2	0.535
10481	8910	Sisma X SLO	26	0	0	0	2.3E2	0.535	10482	8910	Sisma Y SLO	0	26	0	0	2.3E2	0.535
10483	8910	Sisma X SLD	21.6	0	0	0	2.3E2	0.535	10484	8910	Sisma Y SLD	0	21.6	0	0	2.3E2	0.535
10485	8911	Sisma X SLV	32.9	0	0	0	1.5E2	0.535	10486	8911	Sisma Y SLV	0	32.9	0	0	1.5E2	0.535
10487	8911	Sisma X SLO	17.5	0	0	0	1.5E2	0.535	10488	8911	Sisma Y SLO	0	17.5	0	0	1.5E2	0.535
10489	8911	Sisma X SLD	14.6	0	0	0	1.5E2	0.535	10490	8911	Sisma Y SLD	0	14.6	0	0	1.5E2	0.535
10491	8912	Sisma X SLV	13.2	0	0	0	6.2E1	0.535	10492	8912	Sisma Y SLV	0	13.2	0	0	6.2E1	0.535
10493	8912	Sisma X SLO	7.1	0	0	0	6.2E1	0.535	10494	8912	Sisma Y SLO	0	7.1	0	0	6.2E1	0.535
10495	8912	Sisma X SLD	5.9	0	0	0	6.2E1	0.535	10496	8912	Sisma Y SLD	0	5.9	0	0	6.2E1	0.535
10497	8913	Sisma X SLV	11.1	0	0	0	5.2E1	0.535	10498	8913	Sisma Y SLV	0	11.1	0	0	5.2E1	0.535
10499	8913	Sisma X SLO	5.9	0	0	0	5.2E1	0.535	10500	8913	Sisma Y SLO	0	5.9	0	0	5.2E1	0.535
10501	8913	Sisma X SLD	4.9	0	0	0	5.2E1	0.535	10502	8913	Sisma Y SLD	0	4.9	0	0	5.2E1	0.535
10503	8914	Sisma X SLV	43.9	0	0	0	2.1E2	0.535	10504	8914	Sisma Y SLV	0	43.9	0	0	2.1E2	0.535
10505	8914	Sisma X SLO	23.4	0	0	0	2.1E2	0.535	10506	8914	Sisma Y SLO	0	23.4	0	0	2.1E2	0.535
10507	8914	Sisma X SLD	19.4	0	0	0	2.1E2	0.535	10508	8914	Sisma Y SLD	0	19.4	0	0	2.1E2	0.535
10509	8915	Sisma X SLV	48.5	0	0	0	2.3E2	0.535	10510	8915	Sisma Y SLV	0	48.5	0	0	2.3E2	0.535
10511	8915	Sisma X SLO	25.8	0	0	0	2.3E2	0.535	10512	8915	Sisma Y SLO	0	25.8	0	0	2.3E2	0.535

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
10513	8915	Sisma X SLD	21.4	0	0	0	2.3E2	0.535	10514	8915	Sisma Y SLD	0	21.4	0	0	2.3E2	0.535
10515	8916	Sisma X SLV	12.8	0	0	0	6.0E1	0.535	10516	8916	Sisma Y SLV	0	12.8	0	0	6.0E1	0.535
10517	8916	Sisma X SLO	6.8	0	0	0	6.0E1	0.535	10518	8916	Sisma Y SLO	0	6.8	0	0	6.0E1	0.535
10519	8916	Sisma X SLD	5.6	0	0	0	6.0E1	0.535	10520	8916	Sisma Y SLD	0	5.6	0	0	6.0E1	0.535
10521	8917	Sisma X SLV	32.8	0	0	0	1.5E2	0.535	10522	8917	Sisma Y SLV	0	32.8	0	0	1.5E2	0.535
10523	8917	Sisma X SLO	17.5	0	0	0	1.5E2	0.535	10524	8917	Sisma Y SLO	0	17.5	0	0	1.5E2	0.535
10525	8917	Sisma X SLD	14.5	0	0	0	1.5E2	0.535	10526	8917	Sisma Y SLD	0	14.5	0	0	1.5E2	0.535
10527	8918	Sisma X SLV	10.7	0	0	0	50.11	0.535	10528	8918	Sisma Y SLV	0	10.7	0	0	50.11	0.535
10529	8918	Sisma X SLO	5.7	0	0	0	50.11	0.535	10530	8918	Sisma Y SLO	0	5.7	0	0	50.11	0.535
10531	8918	Sisma X SLD	4.7	0	0	0	50.11	0.535	10532	8918	Sisma Y SLD	0	4.7	0	0	50.11	0.535
10533	8919	Sisma X SLV	48.2	0	0	0	2.3E2	0.535	10534	8919	Sisma Y SLV	0	48.2	0	0	2.3E2	0.535
10535	8919	Sisma X SLO	25.7	0	0	0	2.3E2	0.535	10536	8919	Sisma Y SLO	0	25.7	0	0	2.3E2	0.535
10537	8919	Sisma X SLD	21.3	0	0	0	2.3E2	0.535	10538	8919	Sisma Y SLD	0	21.3	0	0	2.3E2	0.535
10539	8920	Sisma X SLV	42.4	0	0	0	2.0E2	0.536	10540	8920	Sisma Y SLV	0	42.4	0	0	2.0E2	0.536
10541	8920	Sisma X SLO	22.6	0	0	0	2.0E2	0.536	10542	8920	Sisma Y SLO	0	22.6	0	0	2.0E2	0.536
10543	8920	Sisma X SLD	18.8	0	0	0	2.0E2	0.536	10544	8920	Sisma Y SLD	0	18.8	0	0	2.0E2	0.536
10545	8921	Sisma X SLV	40.4	0	0	0	1.9E2	0.536	10546	8921	Sisma Y SLV	0	40.4	0	0	1.9E2	0.536
10547	8921	Sisma X SLO	21.5	0	0	0	1.9E2	0.536	10548	8921	Sisma Y SLO	0	21.5	0	0	1.9E2	0.536
10549	8921	Sisma X SLD	17.9	0	0	0	1.9E2	0.536	10550	8921	Sisma Y SLD	0	17.9	0	0	1.9E2	0.536
10551	8922	Sisma X SLV	36.4	0	0	0	1.7E2	0.536	10552	8922	Sisma Y SLV	0	36.4	0	0	1.7E2	0.536
10553	8922	Sisma X SLO	19.4	0	0	0	1.7E2	0.536	10554	8922	Sisma Y SLO	0	19.4	0	0	1.7E2	0.536
10555	8922	Sisma X SLD	16.1	0	0	0	1.7E2	0.536	10556	8922	Sisma Y SLD	0	16.1	0	0	1.7E2	0.536
10557	8923	Sisma X SLV	29.2	0	0	0	1.4E2	0.536	10558	8923	Sisma Y SLV	0	29.2	0	0	1.4E2	0.536
10559	8923	Sisma X SLO	15.5	0	0	0	1.4E2	0.536	10560	8923	Sisma Y SLO	0	15.5	0	0	1.4E2	0.536
10561	8923	Sisma X SLD	12.9	0	0	0	1.4E2	0.536	10562	8923	Sisma Y SLD	0	12.9	0	0	1.4E2	0.536
10563	8924	Sisma X SLV	42.4	0	0	0	2.0E2	0.536	10564	8924	Sisma Y SLV	0	42.4	0	0	2.0E2	0.536
10565	8924	Sisma X SLO	22.6	0	0	0	2.0E2	0.536	10566	8924	Sisma Y SLO	0	22.6	0	0	2.0E2	0.536
10567	8924	Sisma X SLD	18.8	0	0	0	2.0E2	0.536	10568	8924	Sisma Y SLD	0	18.8	0	0	2.0E2	0.536
10569	8925	Sisma X SLV	16.3	0	0	0	7.6E1	0.536	10570	8925	Sisma Y SLV	0	16.3	0	0	7.6E1	0.536
10571	8925	Sisma X SLO	8.7	0	0	0	7.6E1	0.536	10572	8925	Sisma Y SLO	0	8.7	0	0	7.6E1	0.536
10573	8925	Sisma X SLD	7.2	0	0	0	7.6E1	0.536	10574	8925	Sisma Y SLD	0	7.2	0	0	7.6E1	0.536
10575	8926	Sisma X SLV	17.6	0	0	0	8.2E1	0.536	10576	8926	Sisma Y SLV	0	17.6	0	0	8.2E1	0.536
10577	8926	Sisma X SLO	9.4	0	0	0	8.2E1	0.536	10578	8926	Sisma Y SLO	0	9.4	0	0	8.2E1	0.536
10579	8926	Sisma X SLD	7.8	0	0	0	8.2E1	0.536	10580	8926	Sisma Y SLD	0	7.8	0	0	8.2E1	0.536
10581	8927	Sisma X SLV	37.8	0	0	0	1.8E2	0.536	10582	8927	Sisma Y SLV	0	37.8	0	0	1.8E2	0.536
10583	8927	Sisma X SLO	20.2	0	0	0	1.8E2	0.536	10584	8927	Sisma Y SLO	0	20.2	0	0	1.8E2	0.536
10585	8927	Sisma X SLD	16.7	0	0	0	1.8E2	0.536	10586	8927	Sisma Y SLD	0	16.7	0	0	1.8E2	0.536
10587	8928	Sisma X SLV	34.7	0	0	0	1.6E2	0.536	10588	8928	Sisma Y SLV	0	34.7	0	0	1.6E2	0.536
10589	8928	Sisma X SLO	18.5	0	0	0	1.6E2	0.536	10590	8928	Sisma Y SLO	0	18.5	0	0	1.6E2	0.536
10591	8928	Sisma X SLD	15.3	0	0	0	1.6E2	0.536	10592	8928	Sisma Y SLD	0	15.3	0	0	1.6E2	0.536
10593	8929	Sisma X SLV	34.6	0	0	0	1.6E2	0.536	10594	8929	Sisma Y SLV	0	34.6	0	0	1.6E2	0.536
10595	8929	Sisma X SLO	18.4	0	0	0	1.6E2	0.536	10596	8929	Sisma Y SLO	0	18.4	0	0	1.6E2	0.536
10597	8929	Sisma X SLD	15.3	0	0	0	1.6E2	0.536	10598	8929	Sisma Y SLD	0	15.3	0	0	1.6E2	0.536
10599	8930	Sisma X SLV	34.5	0	0	0	1.6E2	0.536	10600	8930	Sisma Y SLV	0	34.5	0	0	1.6E2	0.536
10601	8930	Sisma X SLO	18.4	0	0	0	1.6E2	0.536	10602	8930	Sisma Y SLO	0	18.4	0	0	1.6E2	0.536
10603	8930	Sisma X SLD	15.3	0	0	0	1.6E2	0.536	10604	8930	Sisma Y SLD	0	15.3	0	0	1.6E2	0.536
10605	8931	Sisma X SLV	34.3	0	0	0	1.6E2	0.536	10606	8931	Sisma Y SLV	0	34.3	0	0	1.6E2	0.536
10607	8931	Sisma X SLO	18.3	0	0	0	1.6E2	0.536	10608	8931	Sisma Y SLO	0	18.3	0	0	1.6E2	0.536
10609	8931	Sisma X SLD	15.2	0	0	0	1.6E2	0.536	10610	8931	Sisma Y SLD	0	15.2	0	0	1.6E2	0.536
10611	8932	Sisma X SLV	34.1	0	0	0	1.6E2	0.536	10612	8932	Sisma Y SLV	0	34.1	0	0	1.6E2	0.536
10613	8932	Sisma X SLO	18.2	0	0	0	1.6E2	0.536	10614	8932	Sisma Y SLO	0	18.2	0	0	1.6E2	0.536
10615	8932	Sisma X SLD	15.1	0	0	0	1.6E2	0.536	10616	8932	Sisma Y SLD	0	15.1	0	0	1.6E2	0.536
10617	8933	Sisma X SLV	33.8	0	0	0	1.6E2	0.536	10618	8933	Sisma Y SLV	0	33.8	0	0	1.6E2	0.536
10619	8933	Sisma X SLO	18	0	0	0	1.6E2	0.536	10620	8933	Sisma Y SLO	0	18	0	0	1.6E2	0.536
10621	8933	Sisma X SLD	15	0	0	0	1.6E2	0.536	10622	8933	Sisma Y SLD	0	15	0	0	1.6E2	0.536
10623	8934	Sisma X SLV	35.9	0	0	0	1.7E2	0.536	10624	8934	Sisma Y SLV	0	35.9	0	0	1.7E2	0.536
10625	8934	Sisma X SLO	19.2	0	0	0	1.7E2	0.536	10626	8934	Sisma Y SLO	0	19.2	0	0	1.7E2	0.536
10627	8934	Sisma X SLD	15.9	0	0	0	1.7E2	0.536	10628	8934	Sisma Y SLD	0	15.9	0	0	1.7E2	0.536
10629	8935	Sisma X SLV	33.5	0	0	0	1.6E2	0.537	10630	8935	Sisma Y SLV	0	33.5	0	0	1.6E2	0.537
10631	8935	Sisma X SLO	17.9	0	0	0	1.6E2	0.537	10632	8935	Sisma Y SLO	0	17.9	0	0	1.6E2	0.537
10633	8935	Sisma X SLD	14.8	0	0	0	1.6E2	0.537	10634	8935	Sisma Y SLD	0	14.8	0	0	1.6E2	0.537
10635	8936	Sisma X SLV	33.2	0	0	0	1.5E2	0.537	10636	8936	Sisma Y SLV	0	33.2	0	0	1.5E2	0.537
10637	8936	Sisma X SLO	17.7	0	0	0	1.5E2	0.537	10638	8936	Sisma Y SLO	0	17.7	0	0	1.5E2	0.537
10639	8936	Sisma X SLD	14.7	0	0	0	1.5E2	0.537	10640	8936	Sisma Y SLD	0	14.7	0	0	1.5E2	0.537
10641	8937	Sisma X SLV	33	0	0	0	1.5E2	0.537	10642	8937	Sisma Y SLV	0	33	0	0	1.5E2	0.537
10643	8937	Sisma X SLO	17.6	0	0	0	1.5E2	0.537	10644	8937	Sisma Y SLO	0	17.6	0	0	1.5E2	0.537
10645	8937	Sisma X SLD	14.6	0	0	0	1.5E2	0.537	10646	8937	Sisma Y SLD	0	14.6	0	0	1.5E2	0.537
10647	8938	Sisma X SLV	32.9	0	0	0	1.5E2	0.537	10648	8938	Sisma Y SLV	0	32.9	0	0	1.5E2	0.537
10649	8938	Sisma X SLO	17.5	0	0	0	1.5E2	0.537	10650	8938	Sisma Y SLO	0	17.5	0	0	1.5E2	0.537
10651	8938	Sisma X SLD	14.6	0	0	0	1.5E2	0.537	10652	8938	Sisma Y SLD	0	14.6	0	0	1.5E2	0.537
10653	8939	Sisma X SLV	12.1	0	0	0	5.6E1	0.537	10654	8939	Sisma Y SLV	0	12.1	0	0	5.6E1	0.537
10655	8939	Sisma X SLO	6.4	0	0	0	5.6E1	0.537	10656	8939	Sisma Y SLO	0	6.4	0	0	5.6E1	0.537
10657	8939	Sisma X SLD	5.3	0	0	0	5.6E1	0.537	10658	8939	Sisma Y SLD	0	5.3	0	0	5.6E1	0.537
10659	8940	Sisma X SLV	33.2	0	0	0	1.5E2	0.537	10660	8940	Sisma Y SLV	0	33.2	0	0	1.5E2	0.537
10661	8940	Sisma X SLO	17.7	0	0	0	1.5E2	0.537	10662	8940	Sisma Y SLO	0	17.7	0	0	1.5E2	0.537
10663	8940	Sisma X SLD	14.7	0	0	0	1.5E2	0.537	10664	8940	Sisma Y SLD	0	14.7	0	0	1.5E2	0.537
10665	8941	Sisma X SLV	13.4	0	0	0	6.2E1	0.537	10666	8941	Sisma Y SLV	0	13.4	0	0	6.2E1	0.537
10667	8941	Sisma X SLO	7.1	0	0	0	6.2E1	0.537	10668	8941	Sisma Y SLO	0	7.1	0	0	6.2E1	0.537
10669	8941	Sisma X SLD	5.9	0	0	0	6.2E1	0.537	10670	8941	Sisma Y SLD	0	5.9	0	0	6.2E1	0.537
10671	8942	Sisma X SLV	33.8	0	0	0	1.6E2	0.537	10672	8942	Sisma Y SLV	0	33.8	0	0	1.6E2	0.537
10673	8942	Sisma X SLO	18	0	0	0	1.6E2	0.537	10674	8942	Sisma Y SLO	0	18	0	0	1.6E2	0.537
10675	8942	Sisma X SLD	15	0	0	0	1.6E2	0.537	10676	8942	Sisma Y SLD	0	15	0	0	1.6E2	0.537
10677	8943	Sisma X SLV	36	0	0	0	1.7E2	0.537	10678	8943	Sisma Y SLV	0	36	0	0	1.7E2	0.537
10679	8943	Sisma X SLO	19.2	0	0	0	1.7E2	0.537	10680	8943	Sisma Y SLO	0	19.2	0	0	1.7E2	0.537
10681	8943	Sisma X SLD	15.9	0	0	0	1.7E2	0.537	10682	8943	Sisma Y SLD	0	15.9	0	0	1.7E2	0.537
10683	8944	Sisma X SLV	34.5	0	0	0	1.6E2	0.537	10684	8944	Sisma Y SLV	0	34.5	0	0	1.6E2	0.537
10685	8944	Sisma X SLO	18.4	0	0	0	1.6E2	0.537	10686	8944	Sisma Y SLO	0	18.4	0	0	1.6E2	0.537
10687	8944	Sisma X SLD	15.3	0	0	0	1.6E2	0.537	10688	8944	Sisma Y SLD	0	15.3	0	0	1.6E2	0.537
10689	8945	Sisma X SLV	35.1	0	0	0	1.6E2	0.537	10690	8945	Sisma Y SLV	0	35.1	0	0	1.6E2	0.537
10691	8945	Sisma X SLO	18.7	0	0	0	1.6E2	0.537	10692	8945	Sisma Y SLO	0	18.7	0	0	1.6E2	0.537
10693	8945	Sisma X SLD	15.5	0	0	0	1.6E2	0.537	10694	8945	Sisma Y SLD	0	15.5	0	0	1.6E2	0.537
10695	8946	Sisma X SLV	13.1	0	0	0	6.1E1	0.537	10696	8946	Sisma Y SLV	0	13.1	0	0	6.1E1	0.537
10697	8946	Sisma X SLO	7	0	0	0	6.1E1	0.537	10698	8946	Sisma Y SLO	0	7	0	0	6.1E1	0.537
10699	8946	Sisma X SLD	5.8	0	0	0	6.1E1	0.537	10700	8946	Sisma Y SLD	0	5.8	0	0	6.1E1	0.537
10701	8947	Sisma X SLV	15.5	0	0	0	7.2E1	0.538	10702	8947	Sisma Y SLV	0	15.5	0	0	7.2E1	0.538
10703	8947	Sisma X SLO	8.3	0	0	0	7.2E1	0.538	10704	8947	Sisma Y SLO	0	8.3	0	0	7.2E1	0.538
10705	8947	Sisma X SLD	6.9	0	0	0	7.2E1	0.538	10706	8947	Sisma Y SLD	0	6.9	0	0	7.2E1	0.538
10707	8948	Sisma X SLV	35.3	0	0	0	1.6E2	0.538	10708	8948	Sisma Y SLV	0	35.3	0	0	1.6E2	0.538
10709	8948	Sisma X SLO	18.8	0	0	0	1.6E2	0.538	10710	8948	Sisma Y SLO	0	18.8	0	0	1.6E2	0.538
10711	8948	Sisma X SLD	15.6	0	0	0	1.6E2	0.538	10712	8948	Sisma Y SLD	0	15.6	0	0	1.6E2	0.538

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
10713	8949	Sisma X SLV	36.1	0	0	0	1.7E2	0.538	10714	8949	Sisma Y SLV	0	36.1	0	0	1.7E2	0.538
10715	8949	Sisma X SLO	19.2	0	0	0	1.7E2	0.538	10716	8949	Sisma Y SLO	0	19.2	0	0	1.7E2	0.538
10717	8949	Sisma X SLD	16	0	0	0	1.7E2	0.538	10718	8949	Sisma Y SLD	0	16	0	0	1.7E2	0.538
10719	8950	Sisma X SLV	35.4	0	0	0	1.6E2	0.538	10720	8950	Sisma Y SLV	0	35.4	0	0	1.6E2	0.538
10721	8950	Sisma X SLO	18.9	0	0	0	1.6E2	0.538	10722	8950	Sisma Y SLO	0	18.9	0	0	1.6E2	0.538
10723	8950	Sisma X SLD	15.6	0	0	0	1.6E2	0.538	10724	8950	Sisma Y SLD	0	15.6	0	0	1.6E2	0.538
10725	8951	Sisma X SLV	13.9	0	0	0	6.4E1	0.538	10726	8951	Sisma Y SLV	0	13.9	0	0	6.4E1	0.538
10727	8951	Sisma X SLO	7.4	0	0	0	6.4E1	0.538	10728	8951	Sisma Y SLO	0	7.4	0	0	6.4E1	0.538
10729	8951	Sisma X SLD	6.1	0	0	0	6.4E1	0.538	10730	8951	Sisma Y SLD	0	6.1	0	0	6.4E1	0.538
10731	8952	Sisma X SLV	14.3	0	0	0	66.52	0.538	10732	8952	Sisma Y SLV	0	14.3	0	0	66.52	0.538
10733	8952	Sisma X SLO	7.6	0	0	0	66.52	0.538	10734	8952	Sisma Y SLO	0	7.6	0	0	66.52	0.538
10735	8952	Sisma X SLD	6.3	0	0	0	66.52	0.538	10736	8952	Sisma Y SLD	0	6.3	0	0	66.52	0.538
10737	8953	Sisma X SLV	36.1	0	0	0	1.7E2	0.539	10738	8953	Sisma Y SLV	0	36.1	0	0	1.7E2	0.539
10739	8953	Sisma X SLO	19.3	0	0	0	1.7E2	0.539	10740	8953	Sisma Y SLO	0	19.3	0	0	1.7E2	0.539
10741	8953	Sisma X SLD	16	0	0	0	1.7E2	0.539	10742	8953	Sisma Y SLD	0	16	0	0	1.7E2	0.539
10743	8954	Sisma X SLV	35.1	0	0	0	1.6E2	0.539	10744	8954	Sisma Y SLV	0	35.1	0	0	1.6E2	0.539
10745	8954	Sisma X SLO	18.7	0	0	0	1.6E2	0.539	10746	8954	Sisma Y SLO	0	18.7	0	0	1.6E2	0.539
10747	8954	Sisma X SLD	15.5	0	0	0	1.6E2	0.539	10748	8954	Sisma Y SLD	0	15.5	0	0	1.6E2	0.539
10749	8955	Sisma X SLV	21.9	0	0	0	1.0E2	0.539	10750	8955	Sisma Y SLV	0	21.9	0	0	1.0E2	0.539
10751	8955	Sisma X SLO	11.7	0	0	0	1.0E2	0.539	10752	8955	Sisma Y SLO	0	11.7	0	0	1.0E2	0.539
10753	8955	Sisma X SLD	9.7	0	0	0	1.0E2	0.539	10754	8955	Sisma Y SLD	0	9.7	0	0	1.0E2	0.539
10755	8956	Sisma X SLV	11.2	0	0	0	5.2E1	0.539	10756	8956	Sisma Y SLV	0	11.2	0	0	5.2E1	0.539
10757	8956	Sisma X SLO	6	0	0	0	5.2E1	0.539	10758	8956	Sisma Y SLO	0	6	0	0	5.2E1	0.539
10759	8956	Sisma X SLD	5	0	0	0	5.2E1	0.539	10760	8956	Sisma Y SLD	0	5	0	0	5.2E1	0.539
10761	8957	Sisma X SLV	21.1	0	0	0	9.8E1	0.539	10762	8957	Sisma Y SLV	0	21.1	0	0	9.8E1	0.539
10763	8957	Sisma X SLO	11.2	0	0	0	9.8E1	0.539	10764	8957	Sisma Y SLO	0	11.2	0	0	9.8E1	0.539
10765	8957	Sisma X SLD	9.3	0	0	0	9.8E1	0.539	10766	8957	Sisma Y SLD	0	9.3	0	0	9.8E1	0.539
10767	8958	Sisma X SLV	36.2	0	0	0	1.7E2	0.539	10768	8958	Sisma Y SLV	0	36.2	0	0	1.7E2	0.539
10769	8958	Sisma X SLO	19.3	0	0	0	1.7E2	0.539	10770	8958	Sisma Y SLO	0	19.3	0	0	1.7E2	0.539
10771	8958	Sisma X SLD	16	0	0	0	1.7E2	0.539	10772	8958	Sisma Y SLD	0	16	0	0	1.7E2	0.539
10773	8959	Sisma X SLV	11.5	0	0	0	5.3E1	0.539	10774	8959	Sisma Y SLV	0	11.5	0	0	5.3E1	0.539
10775	8959	Sisma X SLO	6.1	0	0	0	5.3E1	0.539	10776	8959	Sisma Y SLO	0	6.1	0	0	5.3E1	0.539
10777	8959	Sisma X SLD	5.1	0	0	0	5.3E1	0.539	10778	8959	Sisma Y SLD	0	5.1	0	0	5.3E1	0.539
10779	8960	Sisma X SLV	34.6	0	0	0	1.6E2	0.54	10780	8960	Sisma Y SLV	0	34.6	0	0	1.6E2	0.54
10781	8960	Sisma X SLO	18.4	0	0	0	1.6E2	0.54	10782	8960	Sisma Y SLO	0	18.4	0	0	1.6E2	0.54
10783	8960	Sisma X SLD	15.3	0	0	0	1.6E2	0.54	10784	8960	Sisma Y SLD	0	15.3	0	0	1.6E2	0.54
10785	8961	Sisma X SLV	36.3	0	0	0	1.7E2	0.54	10786	8961	Sisma Y SLV	0	36.3	0	0	1.7E2	0.54
10787	8961	Sisma X SLO	19.3	0	0	0	1.7E2	0.54	10788	8961	Sisma Y SLO	0	19.3	0	0	1.7E2	0.54
10789	8961	Sisma X SLD	16.1	0	0	0	1.7E2	0.54	10790	8961	Sisma Y SLD	0	16.1	0	0	1.7E2	0.54
10791	8962	Sisma X SLV	16.1	0	0	0	7.5E1	0.54	10792	8962	Sisma Y SLV	0	16.1	0	0	7.5E1	0.54
10793	8962	Sisma X SLO	8.6	0	0	0	7.5E1	0.54	10794	8962	Sisma Y SLO	0	8.6	0	0	7.5E1	0.54
10795	8962	Sisma X SLD	7.1	0	0	0	7.5E1	0.54	10796	8962	Sisma Y SLD	0	7.1	0	0	7.5E1	0.54
10797	8963	Sisma X SLV	11.5	0	0	0	5.3E1	0.54	10798	8963	Sisma Y SLV	0	11.5	0	0	5.3E1	0.54
10799	8963	Sisma X SLO	6.1	0	0	0	5.3E1	0.54	10800	8963	Sisma Y SLO	0	6.1	0	0	5.3E1	0.54
10801	8963	Sisma X SLD	5.1	0	0	0	5.3E1	0.54	10802	8963	Sisma Y SLD	0	5.1	0	0	5.3E1	0.54
10803	8964	Sisma X SLV	34.7	0	0	0	1.6E2	0.54	10804	8964	Sisma Y SLV	0	34.7	0	0	1.6E2	0.54
10805	8964	Sisma X SLO	18.5	0	0	0	1.6E2	0.54	10806	8964	Sisma Y SLO	0	18.5	0	0	1.6E2	0.54
10807	8964	Sisma X SLD	15.4	0	0	0	1.6E2	0.54	10808	8964	Sisma Y SLD	0	15.4	0	0	1.6E2	0.54
10809	8965	Sisma X SLV	36.3	0	0	0	1.7E2	0.541	10810	8965	Sisma Y SLV	0	36.3	0	0	1.7E2	0.541
10811	8965	Sisma X SLO	19.4	0	0	0	1.7E2	0.541	10812	8965	Sisma Y SLO	0	19.4	0	0	1.7E2	0.541
10813	8965	Sisma X SLD	16.1	0	0	0	1.7E2	0.541	10814	8965	Sisma Y SLD	0	16.1	0	0	1.7E2	0.541
10815	8966	Sisma X SLV	12.5	0	0	0	5.8E1	0.541	10816	8966	Sisma Y SLV	0	12.5	0	0	5.8E1	0.541
10817	8966	Sisma X SLO	6.7	0	0	0	5.8E1	0.541	10818	8966	Sisma Y SLO	0	6.7	0	0	5.8E1	0.541
10819	8966	Sisma X SLD	5.5	0	0	0	5.8E1	0.541	10820	8966	Sisma Y SLD	0	5.5	0	0	5.8E1	0.541
10821	8967	Sisma X SLV	10	0	0	0	4.6E1	0.541	10822	8967	Sisma Y SLV	0	10	0	0	4.6E1	0.541
10823	8967	Sisma X SLO	5.3	0	0	0	4.6E1	0.541	10824	8967	Sisma Y SLO	0	5.3	0	0	4.6E1	0.541
10825	8967	Sisma X SLD	4.4	0	0	0	4.6E1	0.541	10826	8967	Sisma Y SLD	0	4.4	0	0	4.6E1	0.541
10827	8968	Sisma X SLV	34	0	0	0	1.6E2	0.541	10828	8968	Sisma Y SLV	0	34	0	0	1.6E2	0.541
10829	8968	Sisma X SLO	18.1	0	0	0	1.6E2	0.541	10830	8968	Sisma Y SLO	0	18.1	0	0	1.6E2	0.541
10831	8968	Sisma X SLD	15	0	0	0	1.6E2	0.541	10832	8968	Sisma Y SLD	0	15	0	0	1.6E2	0.541
10833	8969	Sisma X SLV	36.4	0	0	0	1.7E2	0.541	10834	8969	Sisma Y SLV	0	36.4	0	0	1.7E2	0.541
10835	8969	Sisma X SLO	19.4	0	0	0	1.7E2	0.541	10836	8969	Sisma Y SLO	0	19.4	0	0	1.7E2	0.541
10837	8969	Sisma X SLD	16.1	0	0	0	1.7E2	0.541	10838	8969	Sisma Y SLD	0	16.1	0	0	1.7E2	0.541
10839	8970	Sisma X SLV	15.3	0	0	0	7.1E1	0.542	10840	8970	Sisma Y SLV	0	15.3	0	0	7.1E1	0.542
10841	8970	Sisma X SLO	8.2	0	0	0	7.1E1	0.542	10842	8970	Sisma Y SLO	0	8.2	0	0	7.1E1	0.542
10843	8970	Sisma X SLD	6.8	0	0	0	7.1E1	0.542	10844	8970	Sisma Y SLD	0	6.8	0	0	7.1E1	0.542
10845	8971	Sisma X SLV	14.4	0	0	0	6.7E1	0.542	10846	8971	Sisma Y SLV	0	14.4	0	0	6.7E1	0.542
10847	8971	Sisma X SLO	7.7	0	0	0	6.7E1	0.542	10848	8971	Sisma Y SLO	0	7.7	0	0	6.7E1	0.542
10849	8971	Sisma X SLD	6.4	0	0	0	6.7E1	0.542	10850	8971	Sisma Y SLD	0	6.4	0	0	6.7E1	0.542
10851	8972	Sisma X SLV	19.5	0	0	0	89.88	0.542	10852	8972	Sisma Y SLV	0	19.5	0	0	89.88	0.542
10853	8972	Sisma X SLO	10.4	0	0	0	89.88	0.542	10854	8972	Sisma Y SLO	0	10.4	0	0	89.88	0.542
10855	8972	Sisma X SLD	8.6	0	0	0	89.88	0.542	10856	8972	Sisma Y SLD	0	8.6	0	0	89.88	0.542
10857	8973	Sisma X SLV	11.4	0	0	0	5.3E1	0.542	10858	8973	Sisma Y SLV	0	11.4	0	0	5.3E1	0.542
10859	8973	Sisma X SLO	6.1	0	0	0	5.3E1	0.542	10860	8973	Sisma Y SLO	0	6.1	0	0	5.3E1	0.542
10861	8973	Sisma X SLD	5.1	0	0	0	5.3E1	0.542	10862	8973	Sisma Y SLD	0	5.1	0	0	5.3E1	0.542
10863	8974	Sisma X SLV	36.5	0	0	0	1.7E2	0.542	10864	8974	Sisma Y SLV	0	36.5	0	0	1.7E2	0.542
10865	8974	Sisma X SLO	19.5	0	0	0	1.7E2	0.542	10866	8974	Sisma Y SLO	0	19.5	0	0	1.7E2	0.542
10867	8974	Sisma X SLD	16.1	0	0	0	1.7E2	0.542	10868	8974	Sisma Y SLD	0	16.1	0	0	1.7E2	0.542
10869	8975	Sisma X SLV	15.5	0	0	0	7.2E1	0.542	10870	8975	Sisma Y SLV	0	15.5	0	0	7.2E1	0.542
10871	8975	Sisma X SLO	8.3	0	0	0	7.2E1	0.542	10872	8975	Sisma Y SLO	0	8.3	0	0	7.2E1	0.542
10873	8975	Sisma X SLD	6.9	0	0	0	7.2E1	0.542	10874	8975	Sisma Y SLD	0	6.9	0	0	7.2E1	0.542
10875	8976	Sisma X SLV	11.7	0	0	0	5.4E1	0.542	10876	8976	Sisma Y SLV	0	11.7	0	0	5.4E1	0.542
10877	8976	Sisma X SLO	6.2	0	0	0	5.4E1	0.542	10878	8976	Sisma Y SLO	0	6.2	0	0	5.4E1	0.542
10879	8976	Sisma X SLD	5.2	0	0	0	5.4E1	0.542	10880	8976	Sisma Y SLD	0	5.2	0	0	5.4E1	0.542
10881	8977	Sisma X SLV	17.4	0	0	0	8.0E1	0.542	10882	8977	Sisma Y SLV	0	17.4	0	0	8.0E1	0.542
10883	8977	Sisma X SLO	9.3	0	0	0	8.0E1	0.542	10884	8977	Sisma Y SLO	0	9.3	0	0	8.0E1	0.542
10885	8977	Sisma X SLD	7.7	0	0	0	8.0E1	0.542	10886	8977	Sisma Y SLD	0	7.7	0	0	8.0E1	0.542
10887	8978	Sisma X SLV	36.6	0	0	0	1.7E2	0.543	10888	8978	Sisma Y SLV	0	36.6	0	0	1.7E2	0.543
10889	8978	Sisma X SLO	19.5	0	0	0	1.7E2	0.543	10890	8978	Sisma Y SLO	0	19.5	0	0	1.7E2	0.543
10891	8978	Sisma X SLD	16.2	0	0	0	1.7E2	0.543	10892	8978	Sisma Y SLD	0	16.2	0	0	1.7E2	0.543
10893	8979	Sisma X SLV	17.9	0	0	0	82.34	0.543	10894	8979	Sisma Y SLV	0	17.9	0	0	82.34	0.543
10895	8979	Sisma X SLO	9.5	0	0	0	82.34	0.543	10896	8979	Sisma Y SLO	0	9.5	0	0	82.34	0.543
10897	8979	Sisma X SLD	7.9	0	0	0	82.34	0.543	10898	8979	Sisma Y SLD	0	7.9	0	0	82.34	0.543
10899	8980	Sisma X SLV	33.1	0	0	0	1.5E2	0.543	10900	8980	Sisma Y SLV	0	33.1	0	0	1.5E2	0.543
10901	8980	Sisma X SLO	17.7	0	0	0	1.5E2	0.543	10902	8980	Sisma Y SLO	0	17.7	0	0	1.5E2	0.543
10903	8980	Sisma X SLD	14.7	0	0	0	1.5E2	0.543	10904	8980	Sisma Y SLD	0	14.7	0	0	1.5E2	0.543
10905	8981	Sisma X SLV	36.6	0	0	0	1.7E2	0.543	10906	8981	Sisma Y SLV	0	36.6	0	0	1.7E2	0.543
10907	8981	Sisma X SLO	19.5	0	0	0	1.7E2	0.543	10908	8981	Sisma Y SLO	0	19.5	0	0	1.7E2	0.543
10909	8981	Sisma X SLD	16.2	0	0	0	1.7E2	0.543	10910	8981	Sisma Y SLD	0	16.2	0	0	1.7E2	0.543
10911	8982	Sisma X SLV	16.7	0	0	0	7.7E1	0.544	10912	8982	Sisma Y SLV	0	16.7	0	0	7.7E1	0.544

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
10913	8982	Sisma X SLO	8.9	0	0	0	7.7E1	0.544	10914	8982	Sisma Y SLO	0	8.9	0	0	7.7E1	0.544
10915	8982	Sisma X SLD	7.4	0	0	0	7.7E1	0.544	10916	8982	Sisma Y SLD	0	7.4	0	0	7.7E1	0.544
10917	8983	Sisma X SLV	13	0	0	0	6.0E1	0.544	10918	8983	Sisma Y SLV	0	13	0	0	6.0E1	0.544
10919	8983	Sisma X SLO	6.9	0	0	0	6.0E1	0.544	10920	8983	Sisma Y SLO	0	6.9	0	0	6.0E1	0.544
10921	8983	Sisma X SLD	5.7	0	0	0	6.0E1	0.544	10922	8983	Sisma Y SLD	0	5.7	0	0	6.0E1	0.544
10923	8984	Sisma X SLV	36.7	0	0	0	1.7E2	0.544	10924	8984	Sisma Y SLV	0	36.7	0	0	1.7E2	0.544
10925	8984	Sisma X SLO	19.6	0	0	0	1.7E2	0.544	10926	8984	Sisma Y SLO	0	19.6	0	0	1.7E2	0.544
10927	8984	Sisma X SLD	16.2	0	0	0	1.7E2	0.544	10928	8984	Sisma Y SLD	0	16.2	0	0	1.7E2	0.544
10929	8985	Sisma X SLV	17	0	0	0	7.8E1	0.545	10930	8985	Sisma Y SLV	0	17	0	0	7.8E1	0.545
10931	8985	Sisma X SLO	9.1	0	0	0	7.8E1	0.545	10932	8985	Sisma Y SLO	0	9.1	0	0	7.8E1	0.545
10933	8985	Sisma X SLD	7.5	0	0	0	7.8E1	0.545	10934	8985	Sisma Y SLD	0	7.5	0	0	7.8E1	0.545
10935	8986	Sisma X SLV	36.8	0	0	0	1.7E2	0.545	10936	8986	Sisma Y SLV	0	36.8	0	0	1.7E2	0.545
10937	8986	Sisma X SLO	19.6	0	0	0	1.7E2	0.545	10938	8986	Sisma Y SLO	0	19.6	0	0	1.7E2	0.545
10939	8986	Sisma X SLD	16.3	0	0	0	1.7E2	0.545	10940	8986	Sisma Y SLD	0	16.3	0	0	1.7E2	0.545
10941	8987	Sisma X SLV	17.2	0	0	0	7.9E1	0.545	10942	8987	Sisma Y SLV	0	17.2	0	0	7.9E1	0.545
10943	8987	Sisma X SLO	9.2	0	0	0	7.9E1	0.545	10944	8987	Sisma Y SLO	0	9.2	0	0	7.9E1	0.545
10945	8987	Sisma X SLD	7.6	0	0	0	7.9E1	0.545	10946	8987	Sisma Y SLD	0	7.6	0	0	7.9E1	0.545
10947	8988	Sisma X SLV	32.3	0	0	0	1.5E2	0.545	10948	8988	Sisma Y SLV	0	32.3	0	0	1.5E2	0.545
10949	8988	Sisma X SLO	17.2	0	0	0	1.5E2	0.545	10950	8988	Sisma Y SLO	0	17.2	0	0	1.5E2	0.545
10951	8988	Sisma X SLD	14.3	0	0	0	1.5E2	0.545	10952	8988	Sisma Y SLD	0	14.3	0	0	1.5E2	0.545
10953	8989	Sisma X SLV	37.1	0	0	0	1.7E2	0.546	10954	8989	Sisma Y SLV	0	37.1	0	0	1.7E2	0.546
10955	8989	Sisma X SLO	19.8	0	0	0	1.7E2	0.546	10956	8989	Sisma Y SLO	0	19.8	0	0	1.7E2	0.546
10957	8989	Sisma X SLD	16.4	0	0	0	1.7E2	0.546	10958	8989	Sisma Y SLD	0	16.4	0	0	1.7E2	0.546
10959	8990	Sisma X SLV	18.2	0	0	0	83.56	0.546	10960	8990	Sisma Y SLV	0	18.2	0	0	83.56	0.546
10961	8990	Sisma X SLO	9.7	0	0	0	83.56	0.546	10962	8990	Sisma Y SLO	0	9.7	0	0	83.56	0.546
10963	8990	Sisma X SLD	8.1	0	0	0	83.56	0.546	10964	8990	Sisma Y SLD	0	8.1	0	0	83.56	0.546
10965	8991	Sisma X SLV	31.1	0	0	0	1.4E2	0.546	10966	8991	Sisma Y SLV	0	31.1	0	0	1.4E2	0.546
10967	8991	Sisma X SLO	16.6	0	0	0	1.4E2	0.546	10968	8991	Sisma Y SLO	0	16.6	0	0	1.4E2	0.546
10969	8991	Sisma X SLD	13.8	0	0	0	1.4E2	0.546	10970	8991	Sisma Y SLD	0	13.8	0	0	1.4E2	0.546
10971	8992	Sisma X SLV	15.3	0	0	0	7.0E1	0.546	10972	8992	Sisma Y SLV	0	15.3	0	0	7.0E1	0.546
10973	8992	Sisma X SLO	8.2	0	0	0	7.0E1	0.546	10974	8992	Sisma Y SLO	0	8.2	0	0	7.0E1	0.546
10975	8992	Sisma X SLD	6.8	0	0	0	7.0E1	0.546	10976	8992	Sisma Y SLD	0	6.8	0	0	7.0E1	0.546
10977	8993	Sisma X SLV	17	0	0	0	7.8E1	0.546	10978	8993	Sisma Y SLV	0	17	0	0	7.8E1	0.546
10979	8993	Sisma X SLO	9.1	0	0	0	7.8E1	0.546	10980	8993	Sisma Y SLO	0	9.1	0	0	7.8E1	0.546
10981	8993	Sisma X SLD	7.5	0	0	0	7.8E1	0.546	10982	8993	Sisma Y SLD	0	7.5	0	0	7.8E1	0.546
10983	8994	Sisma X SLV	13.2	0	0	0	6.1E1	0.547	10984	8994	Sisma Y SLV	0	13.2	0	0	6.1E1	0.547
10985	8994	Sisma X SLO	7	0	0	0	6.1E1	0.547	10986	8994	Sisma Y SLO	0	7	0	0	6.1E1	0.547
10987	8994	Sisma X SLD	5.9	0	0	0	6.1E1	0.547	10988	8994	Sisma Y SLD	0	5.9	0	0	6.1E1	0.547
10989	8995	Sisma X SLV	30.3	0	0	0	1.4E2	0.547	10990	8995	Sisma Y SLV	0	30.3	0	0	1.4E2	0.547
10991	8995	Sisma X SLO	16.2	0	0	0	1.4E2	0.547	10992	8995	Sisma Y SLO	0	16.2	0	0	1.4E2	0.547
10993	8995	Sisma X SLD	13.4	0	0	0	1.4E2	0.547	10994	8995	Sisma Y SLD	0	13.4	0	0	1.4E2	0.547
10995	8996	Sisma X SLV	16.8	0	0	0	7.7E1	0.547	10996	8996	Sisma Y SLV	0	16.8	0	0	7.7E1	0.547
10997	8996	Sisma X SLO	9	0	0	0	7.7E1	0.547	10998	8996	Sisma Y SLO	0	9	0	0	7.7E1	0.547
10999	8996	Sisma X SLD	7.5	0	0	0	7.7E1	0.547	11000	8996	Sisma Y SLD	0	7.5	0	0	7.7E1	0.547
11001	8997	Sisma X SLV	18.5	0	0	0	8.5E1	0.547	11002	8997	Sisma Y SLV	0	18.5	0	0	8.5E1	0.547
11003	8997	Sisma X SLO	9.9	0	0	0	8.5E1	0.547	11004	8997	Sisma Y SLO	0	9.9	0	0	8.5E1	0.547
11005	8997	Sisma X SLD	8.2	0	0	0	8.5E1	0.547	11006	8997	Sisma Y SLD	0	8.2	0	0	8.5E1	0.547
11007	8998	Sisma X SLV	19.5	0	0	0	89.02	0.547	11008	8998	Sisma Y SLV	0	19.5	0	0	89.02	0.547
11009	8998	Sisma X SLO	10.4	0	0	0	89.02	0.547	11010	8998	Sisma Y SLO	0	10.4	0	0	89.02	0.547
11011	8998	Sisma X SLD	8.6	0	0	0	89.02	0.547	11012	8998	Sisma Y SLD	0	8.6	0	0	89.02	0.547
11013	8999	Sisma X SLV	30.2	0	0	0	1.4E2	0.547	11014	8999	Sisma Y SLV	0	30.2	0	0	1.4E2	0.547
11015	8999	Sisma X SLO	16.1	0	0	0	1.4E2	0.547	11016	8999	Sisma Y SLO	0	16.1	0	0	1.4E2	0.547
11017	8999	Sisma X SLD	13.3	0	0	0	1.4E2	0.547	11018	8999	Sisma Y SLD	0	13.3	0	0	1.4E2	0.547
11019	9000	Sisma X SLV	18.6	0	0	0	8.5E1	0.547	11020	9000	Sisma Y SLV	0	18.6	0	0	8.5E1	0.547
11021	9000	Sisma X SLO	9.9	0	0	0	8.5E1	0.547	11022	9000	Sisma Y SLO	0	9.9	0	0	8.5E1	0.547
11023	9000	Sisma X SLD	8.2	0	0	0	8.5E1	0.547	11024	9000	Sisma Y SLD	0	8.2	0	0	8.5E1	0.547
11025	9001	Sisma X SLV	30.1	0	0	0	1.4E2	0.547	11026	9001	Sisma Y SLV	0	30.1	0	0	1.4E2	0.547
11027	9001	Sisma X SLO	16	0	0	0	1.4E2	0.547	11028	9001	Sisma Y SLO	0	16	0	0	1.4E2	0.547
11029	9001	Sisma X SLD	13.3	0	0	0	1.4E2	0.547	11030	9001	Sisma Y SLD	0	13.3	0	0	1.4E2	0.547
11031	9002	Sisma X SLV	37.6	0	0	0	1.7E2	0.547	11032	9002	Sisma Y SLV	0	37.6	0	0	1.7E2	0.547
11033	9002	Sisma X SLO	20.1	0	0	0	1.7E2	0.547	11034	9002	Sisma Y SLO	0	20.1	0	0	1.7E2	0.547
11035	9002	Sisma X SLD	16.7	0	0	0	1.7E2	0.547	11036	9002	Sisma Y SLD	0	16.7	0	0	1.7E2	0.547
11037	9003	Sisma X SLV	17.8	0	0	0	8.1E1	0.548	11038	9003	Sisma Y SLV	0	17.8	0	0	8.1E1	0.548
11039	9003	Sisma X SLO	9.5	0	0	0	8.1E1	0.548	11040	9003	Sisma Y SLO	0	9.5	0	0	8.1E1	0.548
11041	9003	Sisma X SLD	7.9	0	0	0	8.1E1	0.548	11042	9003	Sisma Y SLD	0	7.9	0	0	8.1E1	0.548
11043	9004	Sisma X SLV	19.2	0	0	0	8.8E1	0.548	11044	9004	Sisma Y SLV	0	19.2	0	0	8.8E1	0.548
11045	9004	Sisma X SLO	10.2	0	0	0	8.8E1	0.548	11046	9004	Sisma Y SLO	0	10.2	0	0	8.8E1	0.548
11047	9004	Sisma X SLD	8.5	0	0	0	8.8E1	0.548	11048	9004	Sisma Y SLD	0	8.5	0	0	8.8E1	0.548
11049	9005	Sisma X SLV	17	0	0	0	7.8E1	0.548	11050	9005	Sisma Y SLV	0	17	0	0	7.8E1	0.548
11051	9005	Sisma X SLO	9.1	0	0	0	7.8E1	0.548	11052	9005	Sisma Y SLO	0	9.1	0	0	7.8E1	0.548
11053	9005	Sisma X SLD	7.5	0	0	0	7.8E1	0.548	11054	9005	Sisma Y SLD	0	7.5	0	0	7.8E1	0.548
11055	9006	Sisma X SLV	17.4	0	0	0	7.9E1	0.548	11056	9006	Sisma Y SLV	0	17.4	0	0	7.9E1	0.548
11057	9006	Sisma X SLO	9.3	0	0	0	7.9E1	0.548	11058	9006	Sisma Y SLO	0	9.3	0	0	7.9E1	0.548
11059	9006	Sisma X SLD	7.7	0	0	0	7.9E1	0.548	11060	9006	Sisma Y SLD	0	7.7	0	0	7.9E1	0.548
11061	9007	Sisma X SLV	19.1	0	0	0	8.7E1	0.548	11062	9007	Sisma Y SLV	0	19.1	0	0	8.7E1	0.548
11063	9007	Sisma X SLO	10.2	0	0	0	8.7E1	0.548	11064	9007	Sisma Y SLO	0	10.2	0	0	8.7E1	0.548
11065	9007	Sisma X SLD	8.5	0	0	0	8.7E1	0.548	11066	9007	Sisma Y SLD	0	8.5	0	0	8.7E1	0.548
11067	9008	Sisma X SLV	9.4	0	0	0	4.3E1	0.548	11068	9008	Sisma Y SLV	0	9.4	0	0	4.3E1	0.548
11069	9008	Sisma X SLO	5	0	0	0	4.3E1	0.548	11070	9008	Sisma Y SLO	0	5	0	0	4.3E1	0.548
11071	9008	Sisma X SLD	4.2	0	0	0	4.3E1	0.548	11072	9008	Sisma Y SLD	0	4.2	0	0	4.3E1	0.548
11073	9009	Sisma X SLV	22.6	0	0	0	1.0E2	0.549	11074	9009	Sisma Y SLV	0	22.6	0	0	1.0E2	0.549
11075	9009	Sisma X SLO	12.1	0	0	0	1.0E2	0.549	11076	9009	Sisma Y SLO	0	12.1	0	0	1.0E2	0.549
11077	9009	Sisma X SLD	10	0	0	0	1.0E2	0.549	11078	9009	Sisma Y SLD	0	10	0	0	1.0E2	0.549
11079	9010	Sisma X SLV	26.4	0	0	0	1.2E2	0.549	11080	9010	Sisma Y SLV	0	26.4	0	0	1.2E2	0.549
11081	9010	Sisma X SLO	14.1	0	0	0	1.2E2	0.549	11082	9010	Sisma Y SLO	0	14.1	0	0	1.2E2	0.549
11083	9010	Sisma X SLD	11.7	0	0	0	1.2E2	0.549	11084	9010	Sisma Y SLD	0	11.7	0	0	1.2E2	0.549
11085	9011	Sisma X SLV	18.3	0	0	0	8.3E1	0.549	11086	9011	Sisma Y SLV	0	18.3	0	0	8.3E1	0.549
11087	9011	Sisma X SLO	9.8	0	0	0	8.3E1	0.549	11088	9011	Sisma Y SLO	0	9.8	0	0	8.3E1	0.549
11089	9011	Sisma X SLD	8.1	0	0	0	8.3E1	0.549	11090	9011	Sisma Y SLD	0	8.1	0	0	8.3E1	0.549
11091	9012	Sisma X SLV	20.8	0	0	0	9.5E1	0.549	11092	9012	Sisma Y SLV	0	20.8	0	0	9.5E1	0.549
11093	9012	Sisma X SLO	11.1	0	0	0	9.5E1	0.549	11094	9012	Sisma Y SLO	0	11.1	0	0	9.5E1	0.549
11095	9012	Sisma X SLD	9.2	0	0	0	9.5E1	0.549	11096	9012	Sisma Y SLD	0	9.2	0	0	9.5E1	0.549
11097	9013	Sisma X SLV	18.2	0	0	0	8.3E1	0.549	11098	9013	Sisma Y SLV	0	18.2	0	0	8.3E1	0.549
11099	9013	Sisma X SLO	9.7	0	0	0	8.3E1	0.549	11100	9013	Sisma Y SLO	0	9.7	0	0	8.3E1	0.549
11101	9013	Sisma X SLD	8	0	0	0	8.3E1	0.549	11102	9013	Sisma Y SLD	0	8	0	0	8.3E1	0.549
11103	9014	Sisma X SLV	18.9	0	0	0	8.6E1	0.549	11104	9014	Sisma Y SLV	0	18.9	0	0	8.6E1	0.549
11105	9014	Sisma X SLO	10.1	0	0	0	8.6E1	0.549	11106	9014	Sisma Y SLO	0	10.1	0	0	8.6E1	0.549
11107	9014	Sisma X SLD	8.3	0	0	0	8.6E1	0.549	11108	9014	Sisma Y SLD	0	8.3	0	0	8.6E1	0.549
11109	9015	Sisma X SLV	18.2	0	0	0	82.92	0.55	11110	9015	Sisma Y SLV	0	18.2	0	0	82.92	0.55
11111	9015	Sisma X SLO	9.7	0	0	0	82.92	0.55	11112	9015	Sisma Y SLO	0	9.7	0	0	82.92	0.55

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
11113	9015	Sisma X SLD	8.1	0	0	0	82.92	0.55	11114	9015	Sisma Y SLD	0	8.1	0	0	82.92	0.55
11115	9016	Sisma X SLV	13.6	0	0	0	6.2E1	0.55	11116	9016	Sisma Y SLV	0	13.6	0	0	6.2E1	0.55
11117	9016	Sisma X SLO	7.2	0	0	0	6.2E1	0.55	11118	9016	Sisma Y SLO	0	7.2	0	0	6.2E1	0.55
11119	9016	Sisma X SLD	6	0	0	0	6.2E1	0.55	11120	9016	Sisma Y SLD	0	6	0	0	6.2E1	0.55
11121	9017	Sisma X SLV	27.1	0	0	0	1.2E2	0.55	11122	9017	Sisma Y SLV	0	27.1	0	0	1.2E2	0.55
11123	9017	Sisma X SLO	14.5	0	0	0	1.2E2	0.55	11124	9017	Sisma Y SLO	0	14.5	0	0	1.2E2	0.55
11125	9017	Sisma X SLD	12	0	0	0	1.2E2	0.55	11126	9017	Sisma Y SLD	0	12	0	0	1.2E2	0.55
11127	9018	Sisma X SLV	13.6	0	0	0	6.2E1	0.55	11128	9018	Sisma Y SLV	0	13.6	0	0	6.2E1	0.55
11129	9018	Sisma X SLO	7.2	0	0	0	6.2E1	0.55	11130	9018	Sisma Y SLO	0	7.2	0	0	6.2E1	0.55
11131	9018	Sisma X SLD	6	0	0	0	6.2E1	0.55	11132	9018	Sisma Y SLD	0	6	0	0	6.2E1	0.55
11133	9019	Sisma X SLV	27.1	0	0	0	1.2E2	0.55	11134	9019	Sisma Y SLV	0	27.1	0	0	1.2E2	0.55
11135	9019	Sisma X SLO	14.5	0	0	0	1.2E2	0.55	11136	9019	Sisma Y SLO	0	14.5	0	0	1.2E2	0.55
11137	9019	Sisma X SLD	12	0	0	0	1.2E2	0.55	11138	9019	Sisma Y SLD	0	12	0	0	1.2E2	0.55
11139	9020	Sisma X SLV	46.3	0	0	0	2.1E2	0.55	11140	9020	Sisma Y SLV	0	46.3	0	0	2.1E2	0.55
11141	9020	Sisma X SLO	24.7	0	0	0	2.1E2	0.55	11142	9020	Sisma Y SLO	0	24.7	0	0	2.1E2	0.55
11143	9020	Sisma X SLD	20.5	0	0	0	2.1E2	0.55	11144	9020	Sisma Y SLD	0	20.5	0	0	2.1E2	0.55
11145	9021	Sisma X SLV	21.3	0	0	0	9.7E1	0.55	11146	9021	Sisma Y SLV	0	21.3	0	0	9.7E1	0.55
11147	9021	Sisma X SLO	11.4	0	0	0	9.7E1	0.55	11148	9021	Sisma Y SLO	0	11.4	0	0	9.7E1	0.55
11149	9021	Sisma X SLD	9.4	0	0	0	9.7E1	0.55	11150	9021	Sisma Y SLD	0	9.4	0	0	9.7E1	0.55
11151	9022	Sisma X SLV	21.5	0	0	0	9.8E1	0.55	11152	9022	Sisma Y SLV	0	21.5	0	0	9.8E1	0.55
11153	9022	Sisma X SLO	11.5	0	0	0	9.8E1	0.55	11154	9022	Sisma Y SLO	0	11.5	0	0	9.8E1	0.55
11155	9022	Sisma X SLD	9.5	0	0	0	9.8E1	0.55	11156	9022	Sisma Y SLD	0	9.5	0	0	9.8E1	0.55
11157	9023	Sisma X SLV	19	0	0	0	8.7E1	0.55	11158	9023	Sisma Y SLV	0	19	0	0	8.7E1	0.55
11159	9023	Sisma X SLO	10.1	0	0	0	8.7E1	0.55	11160	9023	Sisma Y SLO	0	10.1	0	0	8.7E1	0.55
11161	9023	Sisma X SLD	8.4	0	0	0	8.7E1	0.55	11162	9023	Sisma Y SLD	0	8.4	0	0	8.7E1	0.55
11163	9024	Sisma X SLV	8.9	0	0	0	4.0E1	0.55	11164	9024	Sisma Y SLV	0	8.9	0	0	4.0E1	0.55
11165	9024	Sisma X SLO	4.7	0	0	0	4.0E1	0.55	11166	9024	Sisma Y SLO	0	4.7	0	0	4.0E1	0.55
11167	9024	Sisma X SLD	3.9	0	0	0	4.0E1	0.55	11168	9024	Sisma Y SLD	0	3.9	0	0	4.0E1	0.55
11169	9025	Sisma X SLV	20.5	0	0	0	9.3E1	0.55	11170	9025	Sisma Y SLV	0	20.5	0	0	9.3E1	0.55
11171	9025	Sisma X SLO	11	0	0	0	9.3E1	0.55	11172	9025	Sisma Y SLO	0	11	0	0	9.3E1	0.55
11173	9025	Sisma X SLD	9.1	0	0	0	9.3E1	0.55	11174	9025	Sisma Y SLD	0	9.1	0	0	9.3E1	0.55
11175	9026	Sisma X SLV	18.1	0	0	0	8.2E1	0.55	11176	9026	Sisma Y SLV	0	18.1	0	0	8.2E1	0.55
11177	9026	Sisma X SLO	9.7	0	0	0	8.2E1	0.55	11178	9026	Sisma Y SLO	0	9.7	0	0	8.2E1	0.55
11179	9026	Sisma X SLD	8	0	0	0	8.2E1	0.55	11180	9026	Sisma Y SLD	0	8	0	0	8.2E1	0.55
11181	9027	Sisma X SLV	19.3	0	0	0	8.8E1	0.55	11182	9027	Sisma Y SLV	0	19.3	0	0	8.8E1	0.55
11183	9027	Sisma X SLO	10.3	0	0	0	8.8E1	0.55	11184	9027	Sisma Y SLO	0	10.3	0	0	8.8E1	0.55
11185	9027	Sisma X SLD	8.5	0	0	0	8.8E1	0.55	11186	9027	Sisma Y SLD	0	8.5	0	0	8.8E1	0.55
11187	9028	Sisma X SLV	20.9	0	0	0	9.5E1	0.55	11188	9028	Sisma Y SLV	0	20.9	0	0	9.5E1	0.55
11189	9028	Sisma X SLO	11.2	0	0	0	9.5E1	0.55	11190	9028	Sisma Y SLO	0	11.2	0	0	9.5E1	0.55
11191	9028	Sisma X SLD	9.3	0	0	0	9.5E1	0.55	11192	9028	Sisma Y SLD	0	9.3	0	0	9.5E1	0.55
11193	9029	Sisma X SLV	16.9	0	0	0	7.7E1	0.55	11194	9029	Sisma Y SLV	0	16.9	0	0	7.7E1	0.55
11195	9029	Sisma X SLO	9	0	0	0	7.7E1	0.55	11196	9029	Sisma Y SLO	0	9	0	0	7.7E1	0.55
11197	9029	Sisma X SLD	7.5	0	0	0	7.7E1	0.55	11198	9029	Sisma Y SLD	0	7.5	0	0	7.7E1	0.55
11199	9030	Sisma X SLV	20.3	0	0	0	9.2E1	0.551	11200	9030	Sisma Y SLV	0	20.3	0	0	9.2E1	0.551
11201	9030	Sisma X SLO	10.8	0	0	0	9.2E1	0.551	11202	9030	Sisma Y SLO	0	10.8	0	0	9.2E1	0.551
11203	9030	Sisma X SLD	9	0	0	0	9.2E1	0.551	11204	9030	Sisma Y SLD	0	9	0	0	9.2E1	0.551
11205	9031	Sisma X SLV	19.1	0	0	0	8.7E1	0.551	11206	9031	Sisma Y SLV	0	19.1	0	0	8.7E1	0.551
11207	9031	Sisma X SLO	10.2	0	0	0	8.7E1	0.551	11208	9031	Sisma Y SLO	0	10.2	0	0	8.7E1	0.551
11209	9031	Sisma X SLD	8.4	0	0	0	8.7E1	0.551	11210	9031	Sisma Y SLD	0	8.4	0	0	8.7E1	0.551
11211	9032	Sisma X SLV	22.4	0	0	0	1.0E2	0.551	11212	9032	Sisma Y SLV	0	22.4	0	0	1.0E2	0.551
11213	9032	Sisma X SLO	11.9	0	0	0	1.0E2	0.551	11214	9032	Sisma Y SLO	0	11.9	0	0	1.0E2	0.551
11215	9032	Sisma X SLD	9.9	0	0	0	1.0E2	0.551	11216	9032	Sisma Y SLD	0	9.9	0	0	1.0E2	0.551
11217	9033	Sisma X SLV	15.8	0	0	0	7.2E1	0.551	11218	9033	Sisma Y SLV	0	15.8	0	0	7.2E1	0.551
11219	9033	Sisma X SLO	8.4	0	0	0	7.2E1	0.551	11220	9033	Sisma Y SLO	0	8.4	0	0	7.2E1	0.551
11221	9033	Sisma X SLD	7	0	0	0	7.2E1	0.551	11222	9033	Sisma Y SLD	0	7	0	0	7.2E1	0.551
11223	9034	Sisma X SLV	19.6	0	0	0	8.9E1	0.551	11224	9034	Sisma Y SLV	0	19.6	0	0	8.9E1	0.551
11225	9034	Sisma X SLO	10.5	0	0	0	8.9E1	0.551	11226	9034	Sisma Y SLO	0	10.5	0	0	8.9E1	0.551
11227	9034	Sisma X SLD	8.7	0	0	0	8.9E1	0.551	11228	9034	Sisma Y SLD	0	8.7	0	0	8.9E1	0.551
11229	9035	Sisma X SLV	18.2	0	0	0	8.2E1	0.551	11230	9035	Sisma Y SLV	0	18.2	0	0	8.2E1	0.551
11231	9035	Sisma X SLO	9.7	0	0	0	8.2E1	0.551	11232	9035	Sisma Y SLO	0	9.7	0	0	8.2E1	0.551
11233	9035	Sisma X SLD	8	0	0	0	8.2E1	0.551	11234	9035	Sisma Y SLD	0	8	0	0	8.2E1	0.551
11235	9036	Sisma X SLV	17.8	0	0	0	8.1E1	0.551	11236	9036	Sisma Y SLV	0	17.8	0	0	8.1E1	0.551
11237	9036	Sisma X SLO	9.5	0	0	0	8.1E1	0.551	11238	9036	Sisma Y SLO	0	9.5	0	0	8.1E1	0.551
11239	9036	Sisma X SLD	7.9	0	0	0	8.1E1	0.551	11240	9036	Sisma Y SLD	0	7.9	0	0	8.1E1	0.551
11241	9037	Sisma X SLV	20.3	0	0	0	9.2E1	0.552	11242	9037	Sisma Y SLV	0	20.3	0	0	9.2E1	0.552
11243	9037	Sisma X SLO	10.8	0	0	0	9.2E1	0.552	11244	9037	Sisma Y SLO	0	10.8	0	0	9.2E1	0.552
11245	9037	Sisma X SLD	9	0	0	0	9.2E1	0.552	11246	9037	Sisma Y SLD	0	9	0	0	9.2E1	0.552
11247	9038	Sisma X SLV	20.3	0	0	0	9.2E1	0.552	11248	9038	Sisma Y SLV	0	20.3	0	0	9.2E1	0.552
11249	9038	Sisma X SLO	10.8	0	0	0	9.2E1	0.552	11250	9038	Sisma Y SLO	0	10.8	0	0	9.2E1	0.552
11251	9038	Sisma X SLD	9	0	0	0	9.2E1	0.552	11252	9038	Sisma Y SLD	0	9	0	0	9.2E1	0.552
11253	9039	Sisma X SLV	22	0	0	0	1.0E2	0.552	11254	9039	Sisma Y SLV	0	22	0	0	1.0E2	0.552
11255	9039	Sisma X SLO	11.7	0	0	0	1.0E2	0.552	11256	9039	Sisma Y SLO	0	11.7	0	0	1.0E2	0.552
11257	9039	Sisma X SLD	9.7	0	0	0	1.0E2	0.552	11258	9039	Sisma Y SLD	0	9.7	0	0	1.0E2	0.552
11259	9040	Sisma X SLV	20	0	0	0	9.1E1	0.552	11260	9040	Sisma Y SLV	0	20	0	0	9.1E1	0.552
11261	9040	Sisma X SLO	10.7	0	0	0	9.1E1	0.552	11262	9040	Sisma Y SLO	0	10.7	0	0	9.1E1	0.552
11263	9040	Sisma X SLD	8.9	0	0	0	9.1E1	0.552	11264	9040	Sisma Y SLD	0	8.9	0	0	9.1E1	0.552
11265	9041	Sisma X SLV	21.4	0	0	0	9.7E1	0.552	11266	9041	Sisma Y SLV	0	21.4	0	0	9.7E1	0.552
11267	9041	Sisma X SLO	11.4	0	0	0	9.7E1	0.552	11268	9041	Sisma Y SLO	0	11.4	0	0	9.7E1	0.552
11269	9041	Sisma X SLD	9.5	0	0	0	9.7E1	0.552	11270	9041	Sisma Y SLD	0	9.5	0	0	9.7E1	0.552
11271	9042	Sisma X SLV	21.1	0	0	0	9.6E1	0.552	11272	9042	Sisma Y SLV	0	21.1	0	0	9.6E1	0.552
11273	9042	Sisma X SLO	11.2	0	0	0	9.6E1	0.552	11274	9042	Sisma Y SLO	0	11.2	0	0	9.6E1	0.552
11275	9042	Sisma X SLD	9.3	0	0	0	9.6E1	0.552	11276	9042	Sisma Y SLD	0	9.3	0	0	9.6E1	0.552
11277	9043	Sisma X SLV	19.5	0	0	0	8.9E1	0.552	11278	9043	Sisma Y SLV	0	19.5	0	0	8.9E1	0.552
11279	9043	Sisma X SLO	10.4	0	0	0	8.9E1	0.552	11280	9043	Sisma Y SLO	0	10.4	0	0	8.9E1	0.552
11281	9043	Sisma X SLD	8.6	0	0	0	8.9E1	0.552	11282	9043	Sisma Y SLD	0	8.6	0	0	8.9E1	0.552
11283	9044	Sisma X SLV	22.7	0	0	0	1.0E2	0.552	11284	9044	Sisma Y SLV	0	22.7	0	0	1.0E2	0.552
11285	9044	Sisma X SLO	12.1	0	0	0	1.0E2	0.552	11286	9044	Sisma Y SLO	0	12.1	0	0	1.0E2	0.552
11287	9044	Sisma X SLD	10	0	0	0	1.0E2	0.552	11288	9044	Sisma Y SLD	0	10	0	0	1.0E2	0.552
11289	9045	Sisma X SLV	20.6	0	0	0	9.3E1	0.553	11290	9045	Sisma Y SLV	0	20.6	0	0	9.3E1	0.553
11291	9045	Sisma X SLO	11	0	0	0	9.3E1	0.553	11292	9045	Sisma Y SLO	0	11	0	0	9.3E1	0.553
11293	9045	Sisma X SLD	9.1	0	0	0	9.3E1	0.553	11294	9045	Sisma Y SLD	0	9.1	0	0	9.3E1	0.553
11295	9046	Sisma X SLV	21.8	0	0	0	9.9E1	0.553	11296	9046	Sisma Y SLV	0	21.8	0	0	9.9E1	0.553
11297	9046	Sisma X SLO	11.6	0	0	0	9.9E1	0.553	11298	9046	Sisma Y SLO	0	11.6	0	0	9.9E1	0.553
11299	9046	Sisma X SLD	9.6	0	0	0	9.9E1	0.553	11300	9046	Sisma Y SLD	0	9.6	0	0	9.9E1	0.553
11301	9047	Sisma X SLV	22.5	0	0	0	1.0E2	0.553	11302	9047	Sisma Y SLV	0	22.5	0	0	1.0E2	0.553
11303	9047	Sisma X SLO	12	0	0	0	1.0E2	0.553	11304	9047	Sisma Y SLO	0	12	0	0	1.0E2	0.553
11305	9047	Sisma X SLD	10	0	0	0	1.0E2	0.553	11306	9047	Sisma Y SLD	0	10	0	0	1.0E2	0.553
11307	9048	Sisma X SLV	20.1	0	0	0	9.1E1	0.553	11308	9048	Sisma Y SLV	0	20.1	0	0	9.1E1	0.553
11309	9048	Sisma X SLO	10.7	0	0	0	9.1E1	0.553	11310	9048	Sisma Y SLO	0	10.7	0	0	9.1E1	0.553
11311	9048	Sisma X SLD	8.9	0	0	0	9.1E1	0.553	11312	9048	Sisma Y SLD	0	8.9	0	0	9.1E1	0.553

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
11313	9049	Sisma X SLV	22.2	0	0	0	1.0E2	0.553	11314	9049	Sisma Y SLV	0	22.2	0	0	1.0E2	0.553
11315	9049	Sisma X SLO	11.9	0	0	0	1.0E2	0.553	11316	9049	Sisma Y SLO	0	11.9	0	0	1.0E2	0.553
11317	9049	Sisma X SLD	9.8	0	0	0	1.0E2	0.553	11318	9049	Sisma Y SLD	0	9.8	0	0	1.0E2	0.553
11319	9050	Sisma X SLV	20	0	0	0	9.0E1	0.553	11320	9050	Sisma Y SLV	0	20	0	0	9.0E1	0.553
11321	9050	Sisma X SLO	10.7	0	0	0	9.0E1	0.553	11322	9050	Sisma Y SLO	0	10.7	0	0	9.0E1	0.553
11323	9050	Sisma X SLD	8.9	0	0	0	9.0E1	0.553	11324	9050	Sisma Y SLD	0	8.9	0	0	9.0E1	0.553
11325	9051	Sisma X SLV	22	0	0	0	99.48	0.554	11326	9051	Sisma Y SLV	0	22	0	0	99.48	0.554
11327	9051	Sisma X SLO	11.7	0	0	0	99.48	0.554	11328	9051	Sisma Y SLO	0	11.7	0	0	99.48	0.554
11329	9051	Sisma X SLD	9.7	0	0	0	99.48	0.554	11330	9051	Sisma Y SLD	0	9.7	0	0	99.48	0.554
11331	9052	Sisma X SLV	21.4	0	0	0	9.7E1	0.554	11332	9052	Sisma Y SLV	0	21.4	0	0	9.7E1	0.554
11333	9052	Sisma X SLO	11.4	0	0	0	9.7E1	0.554	11334	9052	Sisma Y SLO	0	11.4	0	0	9.7E1	0.554
11335	9052	Sisma X SLD	9.5	0	0	0	9.7E1	0.554	11336	9052	Sisma Y SLD	0	9.5	0	0	9.7E1	0.554
11337	9053	Sisma X SLV	16.1	0	0	0	7.3E1	0.554	11338	9053	Sisma Y SLV	0	16.1	0	0	7.3E1	0.554
11339	9053	Sisma X SLO	8.6	0	0	0	7.3E1	0.554	11340	9053	Sisma Y SLO	0	8.6	0	0	7.3E1	0.554
11341	9053	Sisma X SLD	7.1	0	0	0	7.3E1	0.554	11342	9053	Sisma Y SLD	0	7.1	0	0	7.3E1	0.554
11343	9054	Sisma X SLV	21	0	0	0	9.5E1	0.554	11344	9054	Sisma Y SLV	0	21	0	0	9.5E1	0.554
11345	9054	Sisma X SLO	11.2	0	0	0	9.5E1	0.554	11346	9054	Sisma Y SLO	0	11.2	0	0	9.5E1	0.554
11347	9054	Sisma X SLD	9.3	0	0	0	9.5E1	0.554	11348	9054	Sisma Y SLD	0	9.3	0	0	9.5E1	0.554
11349	9055	Sisma X SLV	20.2	0	0	0	9.1E1	0.554	11350	9055	Sisma Y SLV	0	20.2	0	0	9.1E1	0.554
11351	9055	Sisma X SLO	10.8	0	0	0	9.1E1	0.554	11352	9055	Sisma Y SLO	0	10.8	0	0	9.1E1	0.554
11353	9055	Sisma X SLD	9	0	0	0	9.1E1	0.554	11354	9055	Sisma Y SLD	0	9	0	0	9.1E1	0.554
11355	9056	Sisma X SLV	19.9	0	0	0	9.0E1	0.555	11356	9056	Sisma Y SLV	0	19.9	0	0	9.0E1	0.555
11357	9056	Sisma X SLO	10.6	0	0	0	9.0E1	0.555	11358	9056	Sisma Y SLO	0	10.6	0	0	9.0E1	0.555
11359	9056	Sisma X SLD	8.8	0	0	0	9.0E1	0.555	11360	9056	Sisma Y SLD	0	8.8	0	0	9.0E1	0.555
11361	9057	Sisma X SLV	6.8	0	0	0	3.1E1	0.555	11362	9057	Sisma Y SLV	0	6.8	0	0	3.1E1	0.555
11363	9057	Sisma X SLO	3.6	0	0	0	3.1E1	0.555	11364	9057	Sisma Y SLO	0	3.6	0	0	3.1E1	0.555
11365	9057	Sisma X SLD	3	0	0	0	3.1E1	0.555	11366	9057	Sisma Y SLD	0	3	0	0	3.1E1	0.555
11367	9058	Sisma X SLV	23.5	0	0	0	1.1E2	0.555	11368	9058	Sisma Y SLV	0	23.5	0	0	1.1E2	0.555
11369	9058	Sisma X SLO	12.5	0	0	0	1.1E2	0.555	11370	9058	Sisma Y SLO	0	12.5	0	0	1.1E2	0.555
11371	9058	Sisma X SLD	10.4	0	0	0	1.1E2	0.555	11372	9058	Sisma Y SLD	0	10.4	0	0	1.1E2	0.555
11373	9059	Sisma X SLV	22.7	0	0	0	1.0E2	0.556	11374	9059	Sisma Y SLV	0	22.7	0	0	1.0E2	0.556
11375	9059	Sisma X SLO	12.1	0	0	0	1.0E2	0.556	11376	9059	Sisma Y SLO	0	12.1	0	0	1.0E2	0.556
11377	9059	Sisma X SLD	10	0	0	0	1.0E2	0.556	11378	9059	Sisma Y SLD	0	10	0	0	1.0E2	0.556
11379	9060	Sisma X SLV	5.3	0	0	0	2.4E1	0.556	11380	9060	Sisma Y SLV	0	5.3	0	0	2.4E1	0.556
11381	9060	Sisma X SLO	2.8	0	0	0	2.4E1	0.556	11382	9060	Sisma Y SLO	0	2.8	0	0	2.4E1	0.556
11383	9060	Sisma X SLD	2.3	0	0	0	2.4E1	0.556	11384	9060	Sisma Y SLD	0	2.3	0	0	2.4E1	0.556
11385	9061	Sisma X SLV	21.7	0	0	0	9.7E1	0.556	11386	9061	Sisma Y SLV	0	21.7	0	0	9.7E1	0.556
11387	9061	Sisma X SLO	11.5	0	0	0	9.7E1	0.556	11388	9061	Sisma Y SLO	0	11.5	0	0	9.7E1	0.556
11389	9061	Sisma X SLD	9.6	0	0	0	9.7E1	0.556	11390	9061	Sisma Y SLD	0	9.6	0	0	9.7E1	0.556
11391	9062	Sisma X SLV	10.3	0	0	0	4.6E1	0.556	11392	9062	Sisma Y SLV	0	10.3	0	0	4.6E1	0.556
11393	9062	Sisma X SLO	5.5	0	0	0	4.6E1	0.556	11394	9062	Sisma Y SLO	0	5.5	0	0	4.6E1	0.556
11395	9062	Sisma X SLD	4.6	0	0	0	4.6E1	0.556	11396	9062	Sisma Y SLD	0	4.6	0	0	4.6E1	0.556
11397	9063	Sisma X SLV	23.3	0	0	0	1.0E2	0.557	11398	9063	Sisma Y SLV	0	23.3	0	0	1.0E2	0.557
11399	9063	Sisma X SLO	12.4	0	0	0	1.0E2	0.557	11400	9063	Sisma Y SLO	0	12.4	0	0	1.0E2	0.557
11401	9063	Sisma X SLD	10.3	0	0	0	1.0E2	0.557	11402	9063	Sisma Y SLD	0	10.3	0	0	1.0E2	0.557
11403	9064	Sisma X SLV	18.2	0	0	0	8.2E1	0.557	11404	9064	Sisma Y SLV	0	18.2	0	0	8.2E1	0.557
11405	9064	Sisma X SLO	9.7	0	0	0	8.2E1	0.557	11406	9064	Sisma Y SLO	0	9.7	0	0	8.2E1	0.557
11407	9064	Sisma X SLD	8	0	0	0	8.2E1	0.557	11408	9064	Sisma Y SLD	0	8	0	0	8.2E1	0.557
11409	9065	Sisma X SLV	23.1	0	0	0	1.0E2	0.557	11410	9065	Sisma Y SLV	0	23.1	0	0	1.0E2	0.557
11411	9065	Sisma X SLO	12.3	0	0	0	1.0E2	0.557	11412	9065	Sisma Y SLO	0	12.3	0	0	1.0E2	0.557
11413	9065	Sisma X SLD	10.2	0	0	0	1.0E2	0.557	11414	9065	Sisma Y SLD	0	10.2	0	0	1.0E2	0.557
11415	9066	Sisma X SLV	7.1	0	0	0	3.2E1	0.557	11416	9066	Sisma Y SLV	0	7.1	0	0	3.2E1	0.557
11417	9066	Sisma X SLO	3.8	0	0	0	3.2E1	0.557	11418	9066	Sisma Y SLO	0	3.8	0	0	3.2E1	0.557
11419	9066	Sisma X SLD	3.2	0	0	0	3.2E1	0.557	11420	9066	Sisma Y SLD	0	3.2	0	0	3.2E1	0.557
11421	9067	Sisma X SLV	11.7	0	0	0	5.3E1	0.558	11422	9067	Sisma Y SLV	0	11.7	0	0	5.3E1	0.558
11423	9067	Sisma X SLO	6.3	0	0	0	5.3E1	0.558	11424	9067	Sisma Y SLO	0	6.3	0	0	5.3E1	0.558
11425	9067	Sisma X SLD	5.2	0	0	0	5.3E1	0.558	11426	9067	Sisma Y SLD	0	5.2	0	0	5.3E1	0.558
11427	9068	Sisma X SLV	21.9	0	0	0	9.8E1	0.558	11428	9068	Sisma Y SLV	0	21.9	0	0	9.8E1	0.558
11429	9068	Sisma X SLO	11.7	0	0	0	9.8E1	0.558	11430	9068	Sisma Y SLO	0	11.7	0	0	9.8E1	0.558
11431	9068	Sisma X SLD	9.7	0	0	0	9.8E1	0.558	11432	9068	Sisma Y SLD	0	9.7	0	0	9.8E1	0.558
11433	9069	Sisma X SLV	22.4	0	0	0	1.0E2	0.558	11434	9069	Sisma Y SLV	0	22.4	0	0	1.0E2	0.558
11435	9069	Sisma X SLO	11.9	0	0	0	1.0E2	0.558	11436	9069	Sisma Y SLO	0	11.9	0	0	1.0E2	0.558
11437	9069	Sisma X SLD	9.9	0	0	0	1.0E2	0.558	11438	9069	Sisma Y SLD	0	9.9	0	0	1.0E2	0.558
11439	9070	Sisma X SLV	23.2	0	0	0	1.0E2	0.558	11440	9070	Sisma Y SLV	0	23.2	0	0	1.0E2	0.558
11441	9070	Sisma X SLO	12.4	0	0	0	1.0E2	0.558	11442	9070	Sisma Y SLO	0	12.4	0	0	1.0E2	0.558
11443	9070	Sisma X SLD	10.3	0	0	0	1.0E2	0.558	11444	9070	Sisma Y SLD	0	10.3	0	0	1.0E2	0.558
11445	9071	Sisma X SLV	12.2	0	0	0	5.5E1	0.558	11446	9071	Sisma Y SLV	0	12.2	0	0	5.5E1	0.558
11447	9071	Sisma X SLO	6.5	0	0	0	5.5E1	0.558	11448	9071	Sisma Y SLO	0	6.5	0	0	5.5E1	0.558
11449	9071	Sisma X SLD	5.4	0	0	0	5.5E1	0.558	11450	9071	Sisma Y SLD	0	5.4	0	0	5.5E1	0.558
11451	9072	Sisma X SLV	6.5	0	0	0	2.9E1	0.559	11452	9072	Sisma Y SLV	0	6.5	0	0	2.9E1	0.559
11453	9072	Sisma X SLO	3.5	0	0	0	2.9E1	0.559	11454	9072	Sisma Y SLO	0	3.5	0	0	2.9E1	0.559
11455	9072	Sisma X SLD	2.9	0	0	0	2.9E1	0.559	11456	9072	Sisma Y SLD	0	2.9	0	0	2.9E1	0.559
11457	9073	Sisma X SLV	23.5	0	0	0	1.0E2	0.559	11458	9073	Sisma Y SLV	0	23.5	0	0	1.0E2	0.559
11459	9073	Sisma X SLO	12.5	0	0	0	1.0E2	0.559	11460	9073	Sisma Y SLO	0	12.5	0	0	1.0E2	0.559
11461	9073	Sisma X SLD	10.4	0	0	0	1.0E2	0.559	11462	9073	Sisma Y SLD	0	10.4	0	0	1.0E2	0.559
11463	9074	Sisma X SLV	7.1	0	0	0	31.98	0.559	11464	9074	Sisma Y SLV	0	7.1	0	0	31.98	0.559
11465	9074	Sisma X SLO	3.8	0	0	0	31.98	0.559	11466	9074	Sisma Y SLO	0	3.8	0	0	31.98	0.559
11467	9074	Sisma X SLD	3.2	0	0	0	31.98	0.559	11468	9074	Sisma Y SLD	0	3.2	0	0	31.98	0.559
11469	9075	Sisma X SLV	22.9	0	0	0	1.0E2	0.56	11470	9075	Sisma Y SLV	0	22.9	0	0	1.0E2	0.56
11471	9075	Sisma X SLO	12.2	0	0	0	1.0E2	0.56	11472	9075	Sisma Y SLO	0	12.2	0	0	1.0E2	0.56
11473	9075	Sisma X SLD	10.1	0	0	0	1.0E2	0.56	11474	9075	Sisma Y SLD	0	10.1	0	0	1.0E2	0.56
11475	9076	Sisma X SLV	26.5	0	0	0	1.2E2	0.56	11476	9076	Sisma Y SLV	0	26.5	0	0	1.2E2	0.56
11477	9076	Sisma X SLO	14.1	0	0	0	1.2E2	0.56	11478	9076	Sisma Y SLO	0	14.1	0	0	1.2E2	0.56
11479	9076	Sisma X SLD	11.7	0	0	0	1.2E2	0.56	11480	9076	Sisma Y SLD	0	11.7	0	0	1.2E2	0.56
11481	9077	Sisma X SLV	7.5	0	0	0	3.3E1	0.562	11482	9077	Sisma Y SLV	0	7.5	0	0	3.3E1	0.562
11483	9077	Sisma X SLO	4	0	0	0	3.3E1	0.562	11484	9077	Sisma Y SLO	0	4	0	0	3.3E1	0.562
11485	9077	Sisma X SLD	3.3	0	0	0	3.3E1	0.562	11486	9077	Sisma Y SLD	0	3.3	0	0	3.3E1	0.562
11487	9078	Sisma X SLV	6.8	0	0	0	3.0E1	0.563	11488	9078	Sisma Y SLV	0	6.8	0	0	3.0E1	0.563
11489	9078	Sisma X SLO	3.6	0	0	0	3.0E1	0.563	11490	9078	Sisma Y SLO	0	3.6	0	0	3.0E1	0.563
11491	9078	Sisma X SLD	3	0	0	0	3.0E1	0.563	11492	9078	Sisma Y SLD	0	3	0	0	3.0E1	0.563
11493	9079	Sisma X SLV	25.2	0	0	0	1.1E2	0.563	11494	9079	Sisma Y SLV	0	25.2	0	0	1.1E2	0.563
11495	9079	Sisma X SLO	13.4	0	0	0	1.1E2	0.563	11496	9079	Sisma Y SLO	0	13.4	0	0	1.1E2	0.563
11497	9079	Sisma X SLD	11.1	0	0	0	1.1E2	0.563	11498	9079	Sisma Y SLD	0	11.1	0	0	1.1E2	0.563
11499	9080	Sisma X SLV	8.6	0	0	0	3.8E1	0.563	11500	9080	Sisma Y SLV	0	8.6	0	0	3.8E1	0.563
11501	9080	Sisma X SLO	4.6	0	0	0	3.8E1	0.563	11502	9080	Sisma Y SLO	0	4.6	0	0	3.8E1	0.563
11503	9080	Sisma X SLD	3.8	0	0	0	3.8E1	0.563	11504	9080	Sisma Y SLD	0	3.8	0	0	3.8E1	0.563
11505	9081	Sisma X SLV	31	0	0	0	1.4E2	0.564	11506	9081	Sisma Y SLV	0	31	0	0	1.4E2	0.564
11507	9081	Sisma X SLO	16.5	0	0	0	1.4E2	0.564	11508	9081	Sisma Y SLO	0	16.5	0	0	1.4E2	0.564
11509	9081	Sisma X SLD	13.7	0	0	0	1.4E2	0.564	11510	9081	Sisma Y SLD	0	13.7	0	0	1.4E2	0.564
11511	9082	Sisma X SLV	9.4	0	0	0	4.2E1	0.564	11512	9082	Sisma Y SLV	0	9.4	0	0	4.2E1	0.564

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
11513	9082	Sisma X SLO	5	0	0	0	4.2E1	0.564	11514	9082	Sisma Y SLO	0	5	0	0	4.2E1	0.564
11515	9082	Sisma X SLD	4.1	0	0	0	4.2E1	0.564	11516	9082	Sisma Y SLD	0	4.1	0	0	4.2E1	0.564
11517	9083	Sisma X SLV	27.5	0	0	0	1.2E2	0.565	11518	9083	Sisma Y SLV	0	27.5	0	0	1.2E2	0.565
11519	9083	Sisma X SLO	14.6	0	0	0	1.2E2	0.565	11520	9083	Sisma Y SLO	0	14.6	0	0	1.2E2	0.565
11521	9083	Sisma X SLD	12.2	0	0	0	1.2E2	0.565	11522	9083	Sisma Y SLD	0	12.2	0	0	1.2E2	0.565
11523	9084	Sisma X SLV	11.2	0	0	0	5.0E1	0.565	11524	9084	Sisma Y SLV	0	11.2	0	0	5.0E1	0.565
11525	9084	Sisma X SLO	6	0	0	0	5.0E1	0.565	11526	9084	Sisma Y SLO	0	6	0	0	5.0E1	0.565
11527	9084	Sisma X SLD	4.9	0	0	0	5.0E1	0.565	11528	9084	Sisma Y SLD	0	4.9	0	0	5.0E1	0.565
11529	9085	Sisma X SLV	30	0	0	0	1.3E2	0.566	11530	9085	Sisma Y SLV	0	30	0	0	1.3E2	0.566
11531	9085	Sisma X SLO	16	0	0	0	1.3E2	0.566	11532	9085	Sisma Y SLO	0	16	0	0	1.3E2	0.566
11533	9085	Sisma X SLD	13.3	0	0	0	1.3E2	0.566	11534	9085	Sisma Y SLD	0	13.3	0	0	1.3E2	0.566
11535	9086	Sisma X SLV	8.5	0	0	0	3.8E1	0.566	11536	9086	Sisma Y SLV	0	8.5	0	0	3.8E1	0.566
11537	9086	Sisma X SLO	4.5	0	0	0	3.8E1	0.566	11538	9086	Sisma Y SLO	0	4.5	0	0	3.8E1	0.566
11539	9086	Sisma X SLD	3.8	0	0	0	3.8E1	0.566	11540	9086	Sisma Y SLD	0	3.8	0	0	3.8E1	0.566
11541	9087	Sisma X SLV	34.9	0	0	0	1.5E2	0.566	11542	9087	Sisma Y SLV	0	34.9	0	0	1.5E2	0.566
11543	9087	Sisma X SLO	18.6	0	0	0	1.5E2	0.566	11544	9087	Sisma Y SLO	0	18.6	0	0	1.5E2	0.566
11545	9087	Sisma X SLD	15.4	0	0	0	1.5E2	0.566	11546	9087	Sisma Y SLD	0	15.4	0	0	1.5E2	0.566
11547	9088	Sisma X SLV	31.7	0	0	0	1.4E2	0.567	11548	9088	Sisma Y SLV	0	31.7	0	0	1.4E2	0.567
11549	9088	Sisma X SLO	16.9	0	0	0	1.4E2	0.567	11550	9088	Sisma Y SLO	0	16.9	0	0	1.4E2	0.567
11551	9088	Sisma X SLD	14	0	0	0	1.4E2	0.567	11552	9088	Sisma Y SLD	0	14	0	0	1.4E2	0.567
11553	9089	Sisma X SLV	8.9	0	0	0	3.9E1	0.567	11554	9089	Sisma Y SLV	0	8.9	0	0	3.9E1	0.567
11555	9089	Sisma X SLO	4.8	0	0	0	3.9E1	0.567	11556	9089	Sisma Y SLO	0	4.8	0	0	3.9E1	0.567
11557	9089	Sisma X SLD	4	0	0	0	3.9E1	0.567	11558	9089	Sisma Y SLD	0	4	0	0	3.9E1	0.567
11559	9090	Sisma X SLV	27.5	0	0	0	1.2E2	0.567	11560	9090	Sisma Y SLV	0	27.5	0	0	1.2E2	0.567
11561	9090	Sisma X SLO	14.6	0	0	0	1.2E2	0.567	11562	9090	Sisma Y SLO	0	14.6	0	0	1.2E2	0.567
11563	9090	Sisma X SLD	12.2	0	0	0	1.2E2	0.567	11564	9090	Sisma Y SLD	0	12.2	0	0	1.2E2	0.567
11565	9091	Sisma X SLV	7.5	0	0	0	3.3E1	0.567	11566	9091	Sisma Y SLV	0	7.5	0	0	3.3E1	0.567
11567	9091	Sisma X SLO	4	0	0	0	3.3E1	0.567	11568	9091	Sisma Y SLO	0	4	0	0	3.3E1	0.567
11569	9091	Sisma X SLD	3.3	0	0	0	3.3E1	0.567	11570	9091	Sisma Y SLD	0	3.3	0	0	3.3E1	0.567
11571	9092	Sisma X SLV	20.8	0	0	0	9.2E1	0.567	11572	9092	Sisma Y SLV	0	20.8	0	0	9.2E1	0.567
11573	9092	Sisma X SLO	11.1	0	0	0	9.2E1	0.567	11574	9092	Sisma Y SLO	0	11.1	0	0	9.2E1	0.567
11575	9092	Sisma X SLD	9.2	0	0	0	9.2E1	0.567	11576	9092	Sisma Y SLD	0	9.2	0	0	9.2E1	0.567
11577	9093	Sisma X SLV	23.7	0	0	0	1.0E2	0.568	11578	9093	Sisma Y SLV	0	23.7	0	0	1.0E2	0.568
11579	9093	Sisma X SLO	12.6	0	0	0	1.0E2	0.568	11580	9093	Sisma Y SLO	0	12.6	0	0	1.0E2	0.568
11581	9093	Sisma X SLD	10.5	0	0	0	1.0E2	0.568	11582	9093	Sisma Y SLD	0	10.5	0	0	1.0E2	0.568
11583	9094	Sisma X SLV	11.2	0	0	0	4.9E1	0.568	11584	9094	Sisma Y SLV	0	11.2	0	0	4.9E1	0.568
11585	9094	Sisma X SLO	6	0	0	0	4.9E1	0.568	11586	9094	Sisma Y SLO	0	6	0	0	4.9E1	0.568
11587	9094	Sisma X SLD	5	0	0	0	4.9E1	0.568	11588	9094	Sisma Y SLD	0	5	0	0	4.9E1	0.568
11589	9095	Sisma X SLV	10.5	0	0	0	4.6E1	0.568	11590	9095	Sisma Y SLV	0	10.5	0	0	4.6E1	0.568
11591	9095	Sisma X SLO	5.6	0	0	0	4.6E1	0.568	11592	9095	Sisma Y SLO	0	5.6	0	0	4.6E1	0.568
11593	9095	Sisma X SLD	4.6	0	0	0	4.6E1	0.568	11594	9095	Sisma Y SLD	0	4.6	0	0	4.6E1	0.568
11595	9096	Sisma X SLV	8.2	0	0	0	3.6E1	0.568	11596	9096	Sisma Y SLV	0	8.2	0	0	3.6E1	0.568
11597	9096	Sisma X SLO	4.4	0	0	0	3.6E1	0.568	11598	9096	Sisma Y SLO	0	4.4	0	0	3.6E1	0.568
11599	9096	Sisma X SLD	3.6	0	0	0	3.6E1	0.568	11600	9096	Sisma Y SLD	0	3.6	0	0	3.6E1	0.568
11601	9097	Sisma X SLV	39.9	0	0	0	1.8E2	0.569	11602	9097	Sisma Y SLV	0	39.9	0	0	1.8E2	0.569
11603	9097	Sisma X SLO	21.3	0	0	0	1.8E2	0.569	11604	9097	Sisma Y SLO	0	21.3	0	0	1.8E2	0.569
11605	9097	Sisma X SLD	17.6	0	0	0	1.8E2	0.569	11606	9097	Sisma Y SLD	0	17.6	0	0	1.8E2	0.569
11607	9098	Sisma X SLV	13.2	0	0	0	57.9	0.57	11608	9098	Sisma Y SLV	0	13.2	0	0	57.9	0.57
11609	9098	Sisma X SLO	7	0	0	0	57.9	0.57	11610	9098	Sisma Y SLO	0	7	0	0	57.9	0.57
11611	9098	Sisma X SLD	5.8	0	0	0	57.9	0.57	11612	9098	Sisma Y SLD	0	5.8	0	0	57.9	0.57
11613	9099	Sisma X SLV	10.9	0	0	0	4.8E1	0.57	11614	9099	Sisma Y SLV	0	10.9	0	0	4.8E1	0.57
11615	9099	Sisma X SLO	5.8	0	0	0	4.8E1	0.57	11616	9099	Sisma Y SLO	0	5.8	0	0	4.8E1	0.57
11617	9099	Sisma X SLD	4.8	0	0	0	4.8E1	0.57	11618	9099	Sisma Y SLD	0	4.8	0	0	4.8E1	0.57
11619	9100	Sisma X SLV	27.8	0	0	0	1.2E2	0.571	11620	9100	Sisma Y SLV	0	27.8	0	0	1.2E2	0.571
11621	9100	Sisma X SLO	14.8	0	0	0	1.2E2	0.571	11622	9100	Sisma Y SLO	0	14.8	0	0	1.2E2	0.571
11623	9100	Sisma X SLD	12.3	0	0	0	1.2E2	0.571	11624	9100	Sisma Y SLD	0	12.3	0	0	1.2E2	0.571
11625	9101	Sisma X SLV	10.7	0	0	0	4.7E1	0.571	11626	9101	Sisma Y SLV	0	10.7	0	0	4.7E1	0.571
11627	9101	Sisma X SLO	5.7	0	0	0	4.7E1	0.571	11628	9101	Sisma Y SLO	0	5.7	0	0	4.7E1	0.571
11629	9101	Sisma X SLD	4.7	0	0	0	4.7E1	0.571	11630	9101	Sisma Y SLD	0	4.7	0	0	4.7E1	0.571
11631	9102	Sisma X SLV	23.3	0	0	0	1.0E2	0.573	11632	9102	Sisma Y SLV	0	23.3	0	0	1.0E2	0.573
11633	9102	Sisma X SLO	12.4	0	0	0	1.0E2	0.573	11634	9102	Sisma Y SLO	0	12.4	0	0	1.0E2	0.573
11635	9102	Sisma X SLD	10.3	0	0	0	1.0E2	0.573	11636	9102	Sisma Y SLD	0	10.3	0	0	1.0E2	0.573
11637	9103	Sisma X SLV	28.2	0	0	0	1.2E2	0.573	11638	9103	Sisma Y SLV	0	28.2	0	0	1.2E2	0.573
11639	9103	Sisma X SLO	15	0	0	0	1.2E2	0.573	11640	9103	Sisma Y SLO	0	15	0	0	1.2E2	0.573
11641	9103	Sisma X SLD	12.5	0	0	0	1.2E2	0.573	11642	9103	Sisma Y SLD	0	12.5	0	0	1.2E2	0.573
11643	9104	Sisma X SLV	31.6	0	0	0	1.4E2	0.573	11644	9104	Sisma Y SLV	0	31.6	0	0	1.4E2	0.573
11645	9104	Sisma X SLO	16.8	0	0	0	1.4E2	0.573	11646	9104	Sisma Y SLO	0	16.8	0	0	1.4E2	0.573
11647	9104	Sisma X SLD	14	0	0	0	1.4E2	0.573	11648	9104	Sisma Y SLD	0	14	0	0	1.4E2	0.573
11649	9105	Sisma X SLV	11.7	0	0	0	5.1E1	0.574	11650	9105	Sisma Y SLV	0	11.7	0	0	5.1E1	0.574
11651	9105	Sisma X SLO	6.2	0	0	0	5.1E1	0.574	11652	9105	Sisma Y SLO	0	6.2	0	0	5.1E1	0.574
11653	9105	Sisma X SLD	5.2	0	0	0	5.1E1	0.574	11654	9105	Sisma Y SLD	0	5.2	0	0	5.1E1	0.574
11655	9106	Sisma X SLV	26.7	0	0	0	1.2E2	0.574	11656	9106	Sisma Y SLV	0	26.7	0	0	1.2E2	0.574
11657	9106	Sisma X SLO	14.2	0	0	0	1.2E2	0.574	11658	9106	Sisma Y SLO	0	14.2	0	0	1.2E2	0.574
11659	9106	Sisma X SLD	11.8	0	0	0	1.2E2	0.574	11660	9106	Sisma Y SLD	0	11.8	0	0	1.2E2	0.574
11661	9107	Sisma X SLV	10.9	0	0	0	4.8E1	0.575	11662	9107	Sisma Y SLV	0	10.9	0	0	4.8E1	0.575
11663	9107	Sisma X SLO	5.8	0	0	0	4.8E1	0.575	11664	9107	Sisma Y SLO	0	5.8	0	0	4.8E1	0.575
11665	9107	Sisma X SLD	4.8	0	0	0	4.8E1	0.575	11666	9107	Sisma Y SLD	0	4.8	0	0	4.8E1	0.575
11667	9108	Sisma X SLV	30.1	0	0	0	1.3E2	0.575	11668	9108	Sisma Y SLV	0	30.1	0	0	1.3E2	0.575
11669	9108	Sisma X SLO	16	0	0	0	1.3E2	0.575	11670	9108	Sisma Y SLO	0	16	0	0	1.3E2	0.575
11671	9108	Sisma X SLD	13.3	0	0	0	1.3E2	0.575	11672	9108	Sisma Y SLD	0	13.3	0	0	1.3E2	0.575
11673	9109	Sisma X SLV	9.3	0	0	0	4.0E1	0.575	11674	9109	Sisma Y SLV	0	9.3	0	0	4.0E1	0.575
11675	9109	Sisma X SLO	4.9	0	0	0	4.0E1	0.575	11676	9109	Sisma Y SLO	0	4.9	0	0	4.0E1	0.575
11677	9109	Sisma X SLD	4.1	0	0	0	4.0E1	0.575	11678	9109	Sisma Y SLD	0	4.1	0	0	4.0E1	0.575
11679	9110	Sisma X SLV	31.5	0	0	0	1.4E2	0.578	11680	9110	Sisma Y SLV	0	31.5	0	0	1.4E2	0.578
11681	9110	Sisma X SLO	16.8	0	0	0	1.4E2	0.578	11682	9110	Sisma Y SLO	0	16.8	0	0	1.4E2	0.578
11683	9110	Sisma X SLD	13.9	0	0	0	1.4E2	0.578	11684	9110	Sisma Y SLD	0	13.9	0	0	1.4E2	0.578
11685	9111	Sisma X SLV	17.7	0	0	0	7.7E1	0.579	11686	9111	Sisma Y SLV	0	17.7	0	0	7.7E1	0.579
11687	9111	Sisma X SLO	9.5	0	0	0	7.7E1	0.579	11688	9111	Sisma Y SLO	0	9.5	0	0	7.7E1	0.579
11689	9111	Sisma X SLD	7.8	0	0	0	7.7E1	0.579	11690	9111	Sisma Y SLD	0	7.8	0	0	7.7E1	0.579
11691	9112	Sisma X SLV	12.8	0	0	0	5.5E1	0.58	11692	9112	Sisma Y SLV	0	12.8	0	0	5.5E1	0.58
11693	9112	Sisma X SLO	6.8	0	0	0	5.5E1	0.58	11694	9112	Sisma Y SLO	0	6.8	0	0	5.5E1	0.58
11695	9112	Sisma X SLD	5.7	0	0	0	5.5E1	0.58	11696	9112	Sisma Y SLD	0	5.7	0	0	5.5E1	0.58
11697	9113	Sisma X SLV	13.5	0	0	0	5.8E1	0.58	11698	9113	Sisma Y SLV	0	13.5	0	0	5.8E1	0.58
11699	9113	Sisma X SLO	7.2	0	0	0	5.8E1	0.58	11700	9113	Sisma Y SLO	0	7.2	0	0	5.8E1	0.58
11701	9113	Sisma X SLD	6	0	0	0	5.8E1	0.58	11702	9113	Sisma Y SLD	0	6	0	0	5.8E1	0.58
11703	9114	Sisma X SLV	12.4	0	0	0	5.3E1	0.581	11704	9114	Sisma Y SLV	0	12.4	0	0	5.3E1	0.581
11705	9114	Sisma X SLO	6.6	0	0	0	5.3E1	0.581	11706	9114	Sisma Y SLO	0	6.6	0	0	5.3E1	0.581
11707	9114	Sisma X SLD	5.5	0	0	0	5.3E1	0.581	11708	9114	Sisma Y SLD	0	5.5	0	0	5.3E1	0.581
11709	9115	Sisma X SLV	18.1	0	0	0	7.8E1	0.581	11710	9115	Sisma Y SLV	0	18.1	0	0	7.8E1	0.581
11711	9115	Sisma X SLO	9.6	0	0	0	7.8E1	0.581	11712	9115	Sisma Y SLO	0	9.6	0	0	7.8E1	0.581

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
11713	9115	Sisma X SLD	8	0	0	0	7.8E1	0.581	11714	9115	Sisma Y SLD	0	8	0	0	7.8E1	0.581
11715	9116	Sisma X SLV	14.4	0	0	0	6.2E1	0.582	11716	9116	Sisma Y SLV	0	14.4	0	0	6.2E1	0.582
11717	9116	Sisma X SLO	7.7	0	0	0	6.2E1	0.582	11718	9116	Sisma Y SLO	0	7.7	0	0	6.2E1	0.582
11719	9116	Sisma X SLD	6.4	0	0	0	6.2E1	0.582	11720	9116	Sisma Y SLD	0	6.4	0	0	6.2E1	0.582
11721	9117	Sisma X SLV	14.8	0	0	0	6.3E1	0.583	11722	9117	Sisma Y SLV	0	14.8	0	0	6.3E1	0.583
11723	9117	Sisma X SLO	7.9	0	0	0	6.3E1	0.583	11724	9117	Sisma Y SLO	0	7.9	0	0	6.3E1	0.583
11725	9117	Sisma X SLD	6.5	0	0	0	6.3E1	0.583	11726	9117	Sisma Y SLD	0	6.5	0	0	6.3E1	0.583
11727	9118	Sisma X SLV	12.9	0	0	0	5.5E1	0.583	11728	9118	Sisma Y SLV	0	12.9	0	0	5.5E1	0.583
11729	9118	Sisma X SLO	6.9	0	0	0	5.5E1	0.583	11730	9118	Sisma Y SLO	0	6.9	0	0	5.5E1	0.583
11731	9118	Sisma X SLD	5.7	0	0	0	5.5E1	0.583	11732	9118	Sisma Y SLD	0	5.7	0	0	5.5E1	0.583
11733	9119	Sisma X SLV	14.5	0	0	0	62.18	0.585	11734	9119	Sisma Y SLV	0	14.5	0	0	62.18	0.585
11735	9119	Sisma X SLO	7.7	0	0	0	62.18	0.585	11736	9119	Sisma Y SLO	0	7.7	0	0	62.18	0.585
11737	9119	Sisma X SLD	6.4	0	0	0	62.18	0.585	11738	9119	Sisma Y SLD	0	6.4	0	0	62.18	0.585
11739	9120	Sisma X SLV	12.9	0	0	0	54.99	0.585	11740	9120	Sisma Y SLV	0	12.9	0	0	54.99	0.585
11741	9120	Sisma X SLO	6.9	0	0	0	54.99	0.585	11742	9120	Sisma Y SLO	0	6.9	0	0	54.99	0.585
11743	9120	Sisma X SLD	5.7	0	0	0	54.99	0.585	11744	9120	Sisma Y SLD	0	5.7	0	0	54.99	0.585
11745	9121	Sisma X SLV	27.7	0	0	0	1.2E2	0.585	11746	9121	Sisma Y SLV	0	27.7	0	0	1.2E2	0.585
11747	9121	Sisma X SLO	14.8	0	0	0	1.2E2	0.585	11748	9121	Sisma Y SLO	0	14.8	0	0	1.2E2	0.585
11749	9121	Sisma X SLD	12.2	0	0	0	1.2E2	0.585	11750	9121	Sisma Y SLD	0	12.2	0	0	1.2E2	0.585
11751	9122	Sisma X SLV	23.2	0	0	0	99.04	0.586	11752	9122	Sisma Y SLV	0	23.2	0	0	99.04	0.586
11753	9122	Sisma X SLO	12.4	0	0	0	99.04	0.586	11754	9122	Sisma Y SLO	0	12.4	0	0	99.04	0.586
11755	9122	Sisma X SLD	10.3	0	0	0	99.04	0.586	11756	9122	Sisma Y SLD	0	10.3	0	0	99.04	0.586
11757	9123	Sisma X SLV	12.2	0	0	0	5.2E1	0.586	11758	9123	Sisma Y SLV	0	12.2	0	0	5.2E1	0.586
11759	9123	Sisma X SLO	6.5	0	0	0	5.2E1	0.586	11760	9123	Sisma Y SLO	0	6.5	0	0	5.2E1	0.586
11761	9123	Sisma X SLD	5.4	0	0	0	5.2E1	0.586	11762	9123	Sisma Y SLD	0	5.4	0	0	5.2E1	0.586
11763	9124	Sisma X SLV	23.2	0	0	0	9.9E1	0.587	11764	9124	Sisma Y SLV	0	23.2	0	0	9.9E1	0.587
11765	9124	Sisma X SLO	12.3	0	0	0	9.9E1	0.587	11766	9124	Sisma Y SLO	0	12.3	0	0	9.9E1	0.587
11767	9124	Sisma X SLD	10.3	0	0	0	9.9E1	0.587	11768	9124	Sisma Y SLD	0	10.3	0	0	9.9E1	0.587
11769	9125	Sisma X SLV	12.4	0	0	0	5.3E1	0.588	11770	9125	Sisma Y SLV	0	12.4	0	0	5.3E1	0.588
11771	9125	Sisma X SLO	6.6	0	0	0	5.3E1	0.588	11772	9125	Sisma Y SLO	0	6.6	0	0	5.3E1	0.588
11773	9125	Sisma X SLD	5.5	0	0	0	5.3E1	0.588	11774	9125	Sisma Y SLD	0	5.5	0	0	5.3E1	0.588
11775	9126	Sisma X SLV	14.5	0	0	0	6.2E1	0.588	11776	9126	Sisma Y SLV	0	14.5	0	0	6.2E1	0.588
11777	9126	Sisma X SLO	7.8	0	0	0	6.2E1	0.588	11778	9126	Sisma Y SLO	0	7.8	0	0	6.2E1	0.588
11779	9126	Sisma X SLD	6.4	0	0	0	6.2E1	0.588	11780	9126	Sisma Y SLD	0	6.4	0	0	6.2E1	0.588
11781	9127	Sisma X SLV	26.6	0	0	0	1.1E2	0.588	11782	9127	Sisma Y SLV	0	26.6	0	0	1.1E2	0.588
11783	9127	Sisma X SLO	14.2	0	0	0	1.1E2	0.588	11784	9127	Sisma Y SLO	0	14.2	0	0	1.1E2	0.588
11785	9127	Sisma X SLD	11.8	0	0	0	1.1E2	0.588	11786	9127	Sisma Y SLD	0	11.8	0	0	1.1E2	0.588
11787	9128	Sisma X SLV	14.6	0	0	0	6.2E1	0.588	11788	9128	Sisma Y SLV	0	14.6	0	0	6.2E1	0.588
11789	9128	Sisma X SLO	7.8	0	0	0	6.2E1	0.588	11790	9128	Sisma Y SLO	0	7.8	0	0	6.2E1	0.588
11791	9128	Sisma X SLD	6.5	0	0	0	6.2E1	0.588	11792	9128	Sisma Y SLD	0	6.5	0	0	6.2E1	0.588
11793	9129	Sisma X SLV	19.9	0	0	0	8.4E1	0.589	11794	9129	Sisma Y SLV	0	19.9	0	0	8.4E1	0.589
11795	9129	Sisma X SLO	10.6	0	0	0	8.4E1	0.589	11796	9129	Sisma Y SLO	0	10.6	0	0	8.4E1	0.589
11797	9129	Sisma X SLD	8.8	0	0	0	8.4E1	0.589	11798	9129	Sisma Y SLD	0	8.8	0	0	8.4E1	0.589
11799	9130	Sisma X SLV	23.3	0	0	0	9.9E1	0.589	11800	9130	Sisma Y SLV	0	23.3	0	0	9.9E1	0.589
11801	9130	Sisma X SLO	12.4	0	0	0	9.9E1	0.589	11802	9130	Sisma Y SLO	0	12.4	0	0	9.9E1	0.589
11803	9130	Sisma X SLD	10.3	0	0	0	9.9E1	0.589	11804	9130	Sisma Y SLD	0	10.3	0	0	9.9E1	0.589
11805	9131	Sisma X SLV	26.5	0	0	0	1.1E2	0.589	11806	9131	Sisma Y SLV	0	26.5	0	0	1.1E2	0.589
11807	9131	Sisma X SLO	14.1	0	0	0	1.1E2	0.589	11808	9131	Sisma Y SLO	0	14.1	0	0	1.1E2	0.589
11809	9131	Sisma X SLD	11.7	0	0	0	1.1E2	0.589	11810	9131	Sisma Y SLD	0	11.7	0	0	1.1E2	0.589
11811	9132	Sisma X SLV	6.5	0	0	0	2.8E1	0.59	11812	9132	Sisma Y SLV	0	6.5	0	0	2.8E1	0.59
11813	9132	Sisma X SLO	3.5	0	0	0	2.8E1	0.59	11814	9132	Sisma Y SLO	0	3.5	0	0	2.8E1	0.59
11815	9132	Sisma X SLD	2.9	0	0	0	2.8E1	0.59	11816	9132	Sisma Y SLD	0	2.9	0	0	2.8E1	0.59
11817	9133	Sisma X SLV	14.2	0	0	0	6.0E1	0.59	11818	9133	Sisma Y SLV	0	14.2	0	0	6.0E1	0.59
11819	9133	Sisma X SLO	7.5	0	0	0	6.0E1	0.59	11820	9133	Sisma Y SLO	0	7.5	0	0	6.0E1	0.59
11821	9133	Sisma X SLD	6.3	0	0	0	6.0E1	0.59	11822	9133	Sisma Y SLD	0	6.3	0	0	6.0E1	0.59
11823	9134	Sisma X SLV	22.6	0	0	0	9.6E1	0.59	11824	9134	Sisma Y SLV	0	22.6	0	0	9.6E1	0.59
11825	9134	Sisma X SLO	12.1	0	0	0	9.6E1	0.59	11826	9134	Sisma Y SLO	0	12.1	0	0	9.6E1	0.59
11827	9134	Sisma X SLD	10	0	0	0	9.6E1	0.59	11828	9134	Sisma Y SLD	0	10	0	0	9.6E1	0.59
11829	9135	Sisma X SLV	25.8	0	0	0	1.1E2	0.59	11830	9135	Sisma Y SLV	0	25.8	0	0	1.1E2	0.59
11831	9135	Sisma X SLO	13.8	0	0	0	1.1E2	0.59	11832	9135	Sisma Y SLO	0	13.8	0	0	1.1E2	0.59
11833	9135	Sisma X SLD	11.4	0	0	0	1.1E2	0.59	11834	9135	Sisma Y SLD	0	11.4	0	0	1.1E2	0.59
11835	9136	Sisma X SLV	22.7	0	0	0	9.6E1	0.591	11836	9136	Sisma Y SLV	0	22.7	0	0	9.6E1	0.591
11837	9136	Sisma X SLO	12.1	0	0	0	9.6E1	0.591	11838	9136	Sisma Y SLO	0	12.1	0	0	9.6E1	0.591
11839	9136	Sisma X SLD	10.1	0	0	0	9.6E1	0.591	11840	9136	Sisma Y SLD	0	10.1	0	0	9.6E1	0.591
11841	9137	Sisma X SLV	9.5	0	0	0	4.0E1	0.591	11842	9137	Sisma Y SLV	0	9.5	0	0	4.0E1	0.591
11843	9137	Sisma X SLO	5.1	0	0	0	4.0E1	0.591	11844	9137	Sisma Y SLO	0	5.1	0	0	4.0E1	0.591
11845	9137	Sisma X SLD	4.2	0	0	0	4.0E1	0.591	11846	9137	Sisma Y SLD	0	4.2	0	0	4.0E1	0.591
11847	9138	Sisma X SLV	14.1	0	0	0	59.49	0.592	11848	9138	Sisma Y SLV	0	14.1	0	0	59.49	0.592
11849	9138	Sisma X SLO	7.5	0	0	0	59.49	0.592	11850	9138	Sisma Y SLO	0	7.5	0	0	59.49	0.592
11851	9138	Sisma X SLD	6.2	0	0	0	59.49	0.592	11852	9138	Sisma Y SLD	0	6.2	0	0	59.49	0.592
11853	9139	Sisma X SLV	16	0	0	0	6.8E1	0.592	11854	9139	Sisma Y SLV	0	16	0	0	6.8E1	0.592
11855	9139	Sisma X SLO	8.5	0	0	0	6.8E1	0.592	11856	9139	Sisma Y SLO	0	8.5	0	0	6.8E1	0.592
11857	9139	Sisma X SLD	7.1	0	0	0	6.8E1	0.592	11858	9139	Sisma Y SLD	0	7.1	0	0	6.8E1	0.592
11859	9140	Sisma X SLV	24.2	0	0	0	1.0E2	0.593	11860	9140	Sisma Y SLV	0	24.2	0	0	1.0E2	0.593
11861	9140	Sisma X SLO	12.9	0	0	0	1.0E2	0.593	11862	9140	Sisma Y SLO	0	12.9	0	0	1.0E2	0.593
11863	9140	Sisma X SLD	10.7	0	0	0	1.0E2	0.593	11864	9140	Sisma Y SLD	0	10.7	0	0	1.0E2	0.593
11865	9141	Sisma X SLV	20.8	0	0	0	8.8E1	0.593	11866	9141	Sisma Y SLV	0	20.8	0	0	8.8E1	0.593
11867	9141	Sisma X SLO	11.1	0	0	0	8.8E1	0.593	11868	9141	Sisma Y SLO	0	11.1	0	0	8.8E1	0.593
11869	9141	Sisma X SLD	9.2	0	0	0	8.8E1	0.593	11870	9141	Sisma Y SLD	0	9.2	0	0	8.8E1	0.593
11871	9142	Sisma X SLV	14.2	0	0	0	6.0E1	0.593	11872	9142	Sisma Y SLV	0	14.2	0	0	6.0E1	0.593
11873	9142	Sisma X SLO	7.6	0	0	0	6.0E1	0.593	11874	9142	Sisma Y SLO	0	7.6	0	0	6.0E1	0.593
11875	9142	Sisma X SLD	6.3	0	0	0	6.0E1	0.593	11876	9142	Sisma Y SLD	0	6.3	0	0	6.0E1	0.593
11877	9143	Sisma X SLV	14	0	0	0	5.9E1	0.593	11878	9143	Sisma Y SLV	0	14	0	0	5.9E1	0.593
11879	9143	Sisma X SLO	7.5	0	0	0	5.9E1	0.593	11880	9143	Sisma Y SLO	0	7.5	0	0	5.9E1	0.593
11881	9143	Sisma X SLD	6.2	0	0	0	5.9E1	0.593	11882	9143	Sisma Y SLD	0	6.2	0	0	5.9E1	0.593
11883	9144	Sisma X SLV	28.1	0	0	0	1.2E2	0.594	11884	9144	Sisma Y SLV	0	28.1	0	0	1.2E2	0.594
11885	9144	Sisma X SLO	15	0	0	0	1.2E2	0.594	11886	9144	Sisma Y SLO	0	15	0	0	1.2E2	0.594
11887	9144	Sisma X SLD	12.5	0	0	0	1.2E2	0.594	11888	9144	Sisma Y SLD	0	12.5	0	0	1.2E2	0.594
11889	9145	Sisma X SLV	16	0	0	0	6.7E1	0.595	11890	9145	Sisma Y SLV	0	16	0	0	6.7E1	0.595
11891	9145	Sisma X SLO	8.5	0	0	0	6.7E1	0.595	11892	9145	Sisma Y SLO	0	8.5	0	0	6.7E1	0.595
11893	9145	Sisma X SLD	7.1	0	0	0	6.7E1	0.595	11894	9145	Sisma Y SLD	0	7.1	0	0	6.7E1	0.595
11895	9146	Sisma X SLV	20.7	0	0	0	8.7E1	0.596	11896	9146	Sisma Y SLV	0	20.7	0	0	8.7E1	0.596
11897	9146	Sisma X SLO	11	0	0	0	8.7E1	0.596	11898	9146	Sisma Y SLO	0	11	0	0	8.7E1	0.596
11899	9146	Sisma X SLD	9.2	0	0	0	8.7E1	0.596	11900	9146	Sisma Y SLD	0	9.2	0	0	8.7E1	0.596
11901	9147	Sisma X SLV	15.8	0	0	0	6.6E1	0.596	11902	9147	Sisma Y SLV	0	15.8	0	0	6.6E1	0.596
11903	9147	Sisma X SLO	8.4	0	0	0	6.6E1	0.596	11904	9147	Sisma Y SLO	0	8.4	0	0	6.6E1	0.596
11905	9147	Sisma X SLD	7	0	0	0	6.6E1	0.596	11906	9147	Sisma Y SLD	0	7	0	0	6.6E1	0.596
11907	9148	Sisma X SLV	13	0	0	0	5.5E1	0.597	11908	9148	Sisma Y SLV	0	13	0	0	5.5E1	0.597
11909	9148	Sisma X SLO	7	0	0	0	5.5E1	0.597	11910	9148	Sisma Y SLO	0	7	0	0	5.5E1	0.597
11911	9148	Sisma X SLD	5.8	0	0	0	5.5E1	0.597	11912	9148	Sisma Y SLD	0	5.8	0	0	5.5E1	0.597

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
11913	9149	Sisma X SLV	17.8	0	0	0	7.5E1	0.597	11914	9149	Sisma Y SLV	0	17.8	0	0	7.5E1	0.597
11915	9149	Sisma X SLO	9.5	0	0	0	7.5E1	0.597	11916	9149	Sisma Y SLO	0	9.5	0	0	7.5E1	0.597
11917	9149	Sisma X SLD	7.9	0	0	0	7.5E1	0.597	11918	9149	Sisma Y SLD	0	7.9	0	0	7.5E1	0.597
11919	9150	Sisma X SLV	25.8	0	0	0	1.1E2	0.597	11920	9150	Sisma Y SLV	0	25.8	0	0	1.1E2	0.597
11921	9150	Sisma X SLO	13.7	0	0	0	1.1E2	0.597	11922	9150	Sisma Y SLO	0	13.7	0	0	1.1E2	0.597
11923	9150	Sisma X SLD	11.4	0	0	0	1.1E2	0.597	11924	9150	Sisma Y SLD	0	11.4	0	0	1.1E2	0.597
11925	9151	Sisma X SLV	25.9	0	0	0	1.1E2	0.598	11926	9151	Sisma Y SLV	0	25.9	0	0	1.1E2	0.598
11927	9151	Sisma X SLO	13.8	0	0	0	1.1E2	0.598	11928	9151	Sisma Y SLO	0	13.8	0	0	1.1E2	0.598
11929	9151	Sisma X SLD	11.5	0	0	0	1.1E2	0.598	11930	9151	Sisma Y SLD	0	11.5	0	0	1.1E2	0.598
11931	9152	Sisma X SLV	22.8	0	0	0	9.5E1	0.598	11932	9152	Sisma Y SLV	0	22.8	0	0	9.5E1	0.598
11933	9152	Sisma X SLO	12.2	0	0	0	9.5E1	0.598	11934	9152	Sisma Y SLO	0	12.2	0	0	9.5E1	0.598
11935	9152	Sisma X SLD	10.1	0	0	0	9.5E1	0.598	11936	9152	Sisma Y SLD	0	10.1	0	0	9.5E1	0.598
11937	9153	Sisma X SLV	15.6	0	0	0	6.5E1	0.598	11938	9153	Sisma Y SLV	0	15.6	0	0	6.5E1	0.598
11939	9153	Sisma X SLO	8.3	0	0	0	6.5E1	0.598	11940	9153	Sisma Y SLO	0	8.3	0	0	6.5E1	0.598
11941	9153	Sisma X SLD	6.9	0	0	0	6.5E1	0.598	11942	9153	Sisma Y SLD	0	6.9	0	0	6.5E1	0.598
11943	9154	Sisma X SLV	23.4	0	0	0	9.8E1	0.598	11944	9154	Sisma Y SLV	0	23.4	0	0	9.8E1	0.598
11945	9154	Sisma X SLO	12.5	0	0	0	9.8E1	0.598	11946	9154	Sisma Y SLO	0	12.5	0	0	9.8E1	0.598
11947	9154	Sisma X SLD	10.4	0	0	0	9.8E1	0.598	11948	9154	Sisma Y SLD	0	10.4	0	0	9.8E1	0.598
11949	9155	Sisma X SLV	19.3	0	0	0	80.84	0.599	11950	9155	Sisma Y SLV	0	19.3	0	0	80.84	0.599
11951	9155	Sisma X SLO	10.3	0	0	0	80.84	0.599	11952	9155	Sisma Y SLO	0	10.3	0	0	80.84	0.599
11953	9155	Sisma X SLD	8.6	0	0	0	80.84	0.599	11954	9155	Sisma Y SLD	0	8.6	0	0	80.84	0.599
11955	9156	Sisma X SLV	15.2	0	0	0	6.4E1	0.599	11956	9156	Sisma Y SLV	0	15.2	0	0	6.4E1	0.599
11957	9156	Sisma X SLO	8.1	0	0	0	6.4E1	0.599	11958	9156	Sisma Y SLO	0	8.1	0	0	6.4E1	0.599
11959	9156	Sisma X SLD	6.7	0	0	0	6.4E1	0.599	11960	9156	Sisma Y SLD	0	6.7	0	0	6.4E1	0.599
11961	9157	Sisma X SLV	51.7	0	0	0	216	0.599	11962	9157	Sisma Y SLV	0	51.7	0	0	216	0.599
11963	9157	Sisma X SLO	27.6	0	0	0	216	0.599	11964	9157	Sisma Y SLO	0	27.6	0	0	216	0.599
11965	9157	Sisma X SLD	22.9	0	0	0	216	0.599	11966	9157	Sisma Y SLD	0	22.9	0	0	216	0.599
11967	9158	Sisma X SLV	34.6	0	0	0	1.4E2	0.599	11968	9158	Sisma Y SLV	0	34.6	0	0	1.4E2	0.599
11969	9158	Sisma X SLO	18.5	0	0	0	1.4E2	0.599	11970	9158	Sisma Y SLO	0	18.5	0	0	1.4E2	0.599
11971	9158	Sisma X SLD	15.3	0	0	0	1.4E2	0.599	11972	9158	Sisma Y SLD	0	15.3	0	0	1.4E2	0.599
11973	9159	Sisma X SLV	19.6	0	0	0	8.2E1	0.599	11974	9159	Sisma Y SLV	0	19.6	0	0	8.2E1	0.599
11975	9159	Sisma X SLO	10.5	0	0	0	8.2E1	0.599	11976	9159	Sisma Y SLO	0	10.5	0	0	8.2E1	0.599
11977	9159	Sisma X SLD	8.7	0	0	0	8.2E1	0.599	11978	9159	Sisma Y SLD	0	8.7	0	0	8.2E1	0.599
11979	9160	Sisma X SLV	38	0	0	0	1.6E2	0.599	11980	9160	Sisma Y SLV	0	38	0	0	1.6E2	0.599
11981	9160	Sisma X SLO	20.3	0	0	0	1.6E2	0.599	11982	9160	Sisma Y SLO	0	20.3	0	0	1.6E2	0.599
11983	9160	Sisma X SLD	16.8	0	0	0	1.6E2	0.599	11984	9160	Sisma Y SLD	0	16.8	0	0	1.6E2	0.599
11985	9161	Sisma X SLV	39.4	0	0	0	1.6E2	0.599	11986	9161	Sisma Y SLV	0	39.4	0	0	1.6E2	0.599
11987	9161	Sisma X SLO	21	0	0	0	1.6E2	0.599	11988	9161	Sisma Y SLO	0	21	0	0	1.6E2	0.599
11989	9161	Sisma X SLD	17.5	0	0	0	1.6E2	0.599	11990	9161	Sisma Y SLD	0	17.5	0	0	1.6E2	0.599
11991	9162	Sisma X SLV	21.3	0	0	0	8.9E1	0.6	11992	9162	Sisma Y SLV	0	21.3	0	0	8.9E1	0.6
11993	9162	Sisma X SLO	11.4	0	0	0	8.9E1	0.6	11994	9162	Sisma Y SLO	0	11.4	0	0	8.9E1	0.6
11995	9162	Sisma X SLD	9.4	0	0	0	8.9E1	0.6	11996	9162	Sisma Y SLD	0	9.4	0	0	8.9E1	0.6
11997	9163	Sisma X SLV	22.8	0	0	0	95.08	0.6	11998	9163	Sisma Y SLV	0	22.8	0	0	95.08	0.6
11999	9163	Sisma X SLO	12.2	0	0	0	95.08	0.6	12000	9163	Sisma Y SLO	0	12.2	0	0	95.08	0.6
12001	9163	Sisma X SLD	10.1	0	0	0	95.08	0.6	12002	9163	Sisma Y SLD	0	10.1	0	0	95.08	0.6
12003	9164	Sisma X SLV	41.2	0	0	0	1.7E2	0.6	12004	9164	Sisma Y SLV	0	41.2	0	0	1.7E2	0.6
12005	9164	Sisma X SLO	22	0	0	0	1.7E2	0.6	12006	9164	Sisma Y SLO	0	22	0	0	1.7E2	0.6
12007	9164	Sisma X SLD	18.2	0	0	0	1.7E2	0.6	12008	9164	Sisma Y SLD	0	18.2	0	0	1.7E2	0.6
12009	9165	Sisma X SLV	26.7	0	0	0	1.1E2	0.6	12010	9165	Sisma Y SLV	0	26.7	0	0	1.1E2	0.6
12011	9165	Sisma X SLO	14.2	0	0	0	1.1E2	0.6	12012	9165	Sisma Y SLO	0	14.2	0	0	1.1E2	0.6
12013	9165	Sisma X SLD	11.8	0	0	0	1.1E2	0.6	12014	9165	Sisma Y SLD	0	11.8	0	0	1.1E2	0.6
12015	9166	Sisma X SLV	25.2	0	0	0	1.0E2	0.601	12016	9166	Sisma Y SLV	0	25.2	0	0	1.0E2	0.601
12017	9166	Sisma X SLO	13.4	0	0	0	1.0E2	0.601	12018	9166	Sisma Y SLO	0	13.4	0	0	1.0E2	0.601
12019	9166	Sisma X SLD	11.1	0	0	0	1.0E2	0.601	12020	9166	Sisma Y SLD	0	11.1	0	0	1.0E2	0.601
12021	9167	Sisma X SLV	22.6	0	0	0	9.4E1	0.601	12022	9167	Sisma Y SLV	0	22.6	0	0	9.4E1	0.601
12023	9167	Sisma X SLO	12.1	0	0	0	9.4E1	0.601	12024	9167	Sisma Y SLO	0	12.1	0	0	9.4E1	0.601
12025	9167	Sisma X SLD	10	0	0	0	9.4E1	0.601	12026	9167	Sisma Y SLD	0	10	0	0	9.4E1	0.601
12027	9168	Sisma X SLV	20.2	0	0	0	8.4E1	0.601	12028	9168	Sisma Y SLV	0	20.2	0	0	8.4E1	0.601
12029	9168	Sisma X SLO	10.8	0	0	0	8.4E1	0.601	12030	9168	Sisma Y SLO	0	10.8	0	0	8.4E1	0.601
12031	9168	Sisma X SLD	8.9	0	0	0	8.4E1	0.601	12032	9168	Sisma Y SLD	0	8.9	0	0	8.4E1	0.601
12033	9169	Sisma X SLV	20.2	0	0	0	8.4E1	0.601	12034	9169	Sisma Y SLV	0	20.2	0	0	8.4E1	0.601
12035	9169	Sisma X SLO	10.8	0	0	0	8.4E1	0.601	12036	9169	Sisma Y SLO	0	10.8	0	0	8.4E1	0.601
12037	9169	Sisma X SLD	8.9	0	0	0	8.4E1	0.601	12038	9169	Sisma Y SLD	0	8.9	0	0	8.4E1	0.601
12039	9170	Sisma X SLV	28.8	0	0	0	1.2E2	0.602	12040	9170	Sisma Y SLV	0	28.8	0	0	1.2E2	0.602
12041	9170	Sisma X SLO	15.4	0	0	0	1.2E2	0.602	12042	9170	Sisma Y SLO	0	15.4	0	0	1.2E2	0.602
12043	9170	Sisma X SLD	12.8	0	0	0	1.2E2	0.602	12044	9170	Sisma Y SLD	0	12.8	0	0	1.2E2	0.602
12045	9171	Sisma X SLV	21.7	0	0	0	9.0E1	0.602	12046	9171	Sisma Y SLV	0	21.7	0	0	9.0E1	0.602
12047	9171	Sisma X SLO	11.6	0	0	0	9.0E1	0.602	12048	9171	Sisma Y SLO	0	11.6	0	0	9.0E1	0.602
12049	9171	Sisma X SLD	9.6	0	0	0	9.0E1	0.602	12050	9171	Sisma Y SLD	0	9.6	0	0	9.0E1	0.602
12051	9172	Sisma X SLV	13.6	0	0	0	5.6E1	0.602	12052	9172	Sisma Y SLV	0	13.6	0	0	5.6E1	0.602
12053	9172	Sisma X SLO	7.2	0	0	0	5.6E1	0.602	12054	9172	Sisma Y SLO	0	7.2	0	0	5.6E1	0.602
12055	9172	Sisma X SLD	6	0	0	0	5.6E1	0.602	12056	9172	Sisma Y SLD	0	6	0	0	5.6E1	0.602
12057	9173	Sisma X SLV	17.9	0	0	0	7.4E1	0.602	12058	9173	Sisma Y SLV	0	17.9	0	0	7.4E1	0.602
12059	9173	Sisma X SLO	9.5	0	0	0	7.4E1	0.602	12060	9173	Sisma Y SLO	0	9.5	0	0	7.4E1	0.602
12061	9173	Sisma X SLD	7.9	0	0	0	7.4E1	0.602	12062	9173	Sisma Y SLD	0	7.9	0	0	7.4E1	0.602
12063	9174	Sisma X SLV	24.7	0	0	0	1.0E2	0.602	12064	9174	Sisma Y SLV	0	24.7	0	0	1.0E2	0.602
12065	9174	Sisma X SLO	13.2	0	0	0	1.0E2	0.602	12066	9174	Sisma Y SLO	0	13.2	0	0	1.0E2	0.602
12067	9174	Sisma X SLD	10.9	0	0	0	1.0E2	0.602	12068	9174	Sisma Y SLD	0	10.9	0	0	1.0E2	0.602
12069	9175	Sisma X SLV	24.9	0	0	0	1.0E2	0.602	12070	9175	Sisma Y SLV	0	24.9	0	0	1.0E2	0.602
12071	9175	Sisma X SLO	13.3	0	0	0	1.0E2	0.602	12072	9175	Sisma Y SLO	0	13.3	0	0	1.0E2	0.602
12073	9175	Sisma X SLD	11	0	0	0	1.0E2	0.602	12074	9175	Sisma Y SLD	0	11	0	0	1.0E2	0.602
12075	9176	Sisma X SLV	27.4	0	0	0	1.1E2	0.603	12076	9176	Sisma Y SLV	0	27.4	0	0	1.1E2	0.603
12077	9176	Sisma X SLO	14.6	0	0	0	1.1E2	0.603	12078	9176	Sisma Y SLO	0	14.6	0	0	1.1E2	0.603
12079	9176	Sisma X SLD	12.1	0	0	0	1.1E2	0.603	12080	9176	Sisma Y SLD	0	12.1	0	0	1.1E2	0.603
12081	9177	Sisma X SLV	22.1	0	0	0	9.2E1	0.603	12082	9177	Sisma Y SLV	0	22.1	0	0	9.2E1	0.603
12083	9177	Sisma X SLO	11.8	0	0	0	9.2E1	0.603	12084	9177	Sisma Y SLO	0	11.8	0	0	9.2E1	0.603
12085	9177	Sisma X SLD	9.8	0	0	0	9.2E1	0.603	12086	9177	Sisma Y SLD	0	9.8	0	0	9.2E1	0.603
12087	9178	Sisma X SLV	41.9	0	0	0	1.7E2	0.603	12088	9178	Sisma Y SLV	0	41.9	0	0	1.7E2	0.603
12089	9178	Sisma X SLO	22.3	0	0	0	1.7E2	0.603	12090	9178	Sisma Y SLO	0	22.3	0	0	1.7E2	0.603
12091	9178	Sisma X SLD	18.5	0	0	0	1.7E2	0.603	12092	9178	Sisma Y SLD	0	18.5	0	0	1.7E2	0.603
12093	9179	Sisma X SLV	26.9	0	0	0	1.1E2	0.604	12094	9179	Sisma Y SLV	0	26.9	0	0	1.1E2	0.604
12095	9179	Sisma X SLO	14.3	0	0	0	1.1E2	0.604	12096	9179	Sisma Y SLO	0	14.3	0	0	1.1E2	0.604
12097	9179	Sisma X SLD	11.9	0	0	0	1.1E2	0.604	12098	9179	Sisma Y SLD	0	11.9	0	0	1.1E2	0.604
12099	9180	Sisma X SLV	24	0	0	0	1.0E2	0.604	12100	9180	Sisma Y SLV	0	24	0	0	1.0E2	0.604
12101	9180	Sisma X SLO	12.8	0	0	0	1.0E2	0.604	12102	9180	Sisma Y SLO	0	12.8	0	0	1.0E2	0.604
12103	9180	Sisma X SLD	10.6	0	0	0	1.0E2	0.604	12104	9180	Sisma Y SLD	0	10.6	0	0	1.0E2	0.604
12105	9181	Sisma X SLV	22.5	0	0	0	9.3E1	0.604	12106	9181	Sisma Y SLV	0	22.5	0	0	9.3E1	0.604
12107	9181	Sisma X SLO	12	0	0	0	9.3E1	0.604	12108	9181	Sisma Y SLO	0	12	0	0	9.3E1	0.604
12109	9181	Sisma X SLD	9.9	0	0	0	9.3E1	0.604	12110	9181	Sisma Y SLD	0	9.9	0	0	9.3E1	0.604
12111	9182	Sisma X SLV	18.6	0	0	0	7.7E1	0.604	12112	9182	Sisma Y SLV	0	18.6	0	0	7.7E1	0.604

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
12113	9182	Sisma X SLO	9.9	0	0	0	7.7E1	0.604	12114	9182	Sisma Y SLO	0	9.9	0	0	7.7E1	0.604
12115	9182	Sisma X SLD	8.2	0	0	0	7.7E1	0.604	12116	9182	Sisma Y SLD	0	8.2	0	0	7.7E1	0.604
12117	9183	Sisma X SLV	18.7	0	0	0	7.7E1	0.604	12118	9183	Sisma Y SLV	0	18.7	0	0	7.7E1	0.604
12119	9183	Sisma X SLO	9.9	0	0	0	7.7E1	0.604	12120	9183	Sisma Y SLO	0	9.9	0	0	7.7E1	0.604
12121	9183	Sisma X SLD	8.3	0	0	0	7.7E1	0.604	12122	9183	Sisma Y SLD	0	8.3	0	0	7.7E1	0.604
12123	9184	Sisma X SLV	24.9	0	0	0	1.0E2	0.604	12124	9184	Sisma Y SLV	0	24.9	0	0	1.0E2	0.604
12125	9184	Sisma X SLO	13.3	0	0	0	1.0E2	0.604	12126	9184	Sisma Y SLO	0	13.3	0	0	1.0E2	0.604
12127	9184	Sisma X SLD	11	0	0	0	1.0E2	0.604	12128	9184	Sisma Y SLD	0	11	0	0	1.0E2	0.604
12129	9185	Sisma X SLV	23.2	0	0	0	9.6E1	0.604	12130	9185	Sisma Y SLV	0	23.2	0	0	9.6E1	0.604
12131	9185	Sisma X SLO	12.4	0	0	0	9.6E1	0.604	12132	9185	Sisma Y SLO	0	12.4	0	0	9.6E1	0.604
12133	9185	Sisma X SLD	10.3	0	0	0	9.6E1	0.604	12134	9185	Sisma Y SLD	0	10.3	0	0	9.6E1	0.604
12135	9186	Sisma X SLV	26.6	0	0	0	1.1E2	0.604	12136	9186	Sisma Y SLV	0	26.6	0	0	1.1E2	0.604
12137	9186	Sisma X SLO	14.2	0	0	0	1.1E2	0.604	12138	9186	Sisma Y SLO	0	14.2	0	0	1.1E2	0.604
12139	9186	Sisma X SLD	11.8	0	0	0	1.1E2	0.604	12140	9186	Sisma Y SLD	0	11.8	0	0	1.1E2	0.604
12141	9187	Sisma X SLV	22.3	0	0	0	9.2E1	0.605	12142	9187	Sisma Y SLV	0	22.3	0	0	9.2E1	0.605
12143	9187	Sisma X SLO	11.9	0	0	0	9.2E1	0.605	12144	9187	Sisma Y SLO	0	11.9	0	0	9.2E1	0.605
12145	9187	Sisma X SLD	9.9	0	0	0	9.2E1	0.605	12146	9187	Sisma Y SLD	0	9.9	0	0	9.2E1	0.605
12147	9188	Sisma X SLV	27.1	0	0	0	1.1E2	0.605	12148	9188	Sisma Y SLV	0	27.1	0	0	1.1E2	0.605
12149	9188	Sisma X SLO	14.5	0	0	0	1.1E2	0.605	12150	9188	Sisma Y SLO	0	14.5	0	0	1.1E2	0.605
12151	9188	Sisma X SLD	12	0	0	0	1.1E2	0.605	12152	9188	Sisma Y SLD	0	12	0	0	1.1E2	0.605
12153	9189	Sisma X SLV	23.5	0	0	0	9.7E1	0.605	12154	9189	Sisma Y SLV	0	23.5	0	0	9.7E1	0.605
12155	9189	Sisma X SLO	12.5	0	0	0	9.7E1	0.605	12156	9189	Sisma Y SLO	0	12.5	0	0	9.7E1	0.605
12157	9189	Sisma X SLD	10.4	0	0	0	9.7E1	0.605	12158	9189	Sisma Y SLD	0	10.4	0	0	9.7E1	0.605
12159	9190	Sisma X SLV	20.4	0	0	0	8.4E1	0.605	12160	9190	Sisma Y SLV	0	20.4	0	0	8.4E1	0.605
12161	9190	Sisma X SLO	10.9	0	0	0	8.4E1	0.605	12162	9190	Sisma Y SLO	0	10.9	0	0	8.4E1	0.605
12163	9190	Sisma X SLD	9	0	0	0	8.4E1	0.605	12164	9190	Sisma Y SLD	0	9	0	0	8.4E1	0.605
12165	9191	Sisma X SLV	21.6	0	0	0	8.9E1	0.605	12166	9191	Sisma Y SLV	0	21.6	0	0	8.9E1	0.605
12167	9191	Sisma X SLO	11.5	0	0	0	8.9E1	0.605	12168	9191	Sisma Y SLO	0	11.5	0	0	8.9E1	0.605
12169	9191	Sisma X SLD	9.5	0	0	0	8.9E1	0.605	12170	9191	Sisma Y SLD	0	9.5	0	0	8.9E1	0.605
12171	9192	Sisma X SLV	42.2	0	0	0	1.7E2	0.605	12172	9192	Sisma Y SLV	0	42.2	0	0	1.7E2	0.605
12173	9192	Sisma X SLO	22.5	0	0	0	1.7E2	0.605	12174	9192	Sisma Y SLO	0	22.5	0	0	1.7E2	0.605
12175	9192	Sisma X SLD	18.7	0	0	0	1.7E2	0.605	12176	9192	Sisma Y SLD	0	18.7	0	0	1.7E2	0.605
12177	9193	Sisma X SLV	23	0	0	0	9.5E1	0.605	12178	9193	Sisma Y SLV	0	23	0	0	9.5E1	0.605
12179	9193	Sisma X SLO	12.3	0	0	0	9.5E1	0.605	12180	9193	Sisma Y SLO	0	12.3	0	0	9.5E1	0.605
12181	9193	Sisma X SLD	10.2	0	0	0	9.5E1	0.605	12182	9193	Sisma Y SLD	0	10.2	0	0	9.5E1	0.605
12183	9194	Sisma X SLV	21.1	0	0	0	8.7E1	0.605	12184	9194	Sisma Y SLV	0	21.1	0	0	8.7E1	0.605
12185	9194	Sisma X SLO	11.2	0	0	0	8.7E1	0.605	12186	9194	Sisma Y SLO	0	11.2	0	0	8.7E1	0.605
12187	9194	Sisma X SLD	9.3	0	0	0	8.7E1	0.605	12188	9194	Sisma Y SLD	0	9.3	0	0	8.7E1	0.605
12189	9195	Sisma X SLV	22	0	0	0	9.1E1	0.605	12190	9195	Sisma Y SLV	0	22	0	0	9.1E1	0.605
12191	9195	Sisma X SLO	11.8	0	0	0	9.1E1	0.605	12192	9195	Sisma Y SLO	0	11.8	0	0	9.1E1	0.605
12193	9195	Sisma X SLD	9.8	0	0	0	9.1E1	0.605	12194	9195	Sisma Y SLD	0	9.8	0	0	9.1E1	0.605
12195	9196	Sisma X SLV	26.3	0	0	0	1.1E2	0.605	12196	9196	Sisma Y SLV	0	26.3	0	0	1.1E2	0.605
12197	9196	Sisma X SLO	14	0	0	0	1.1E2	0.605	12198	9196	Sisma Y SLO	0	14	0	0	1.1E2	0.605
12199	9196	Sisma X SLD	11.6	0	0	0	1.1E2	0.605	12200	9196	Sisma Y SLD	0	11.6	0	0	1.1E2	0.605
12201	9197	Sisma X SLV	32.5	0	0	0	1.3E2	0.605	12202	9197	Sisma Y SLV	0	32.5	0	0	1.3E2	0.605
12203	9197	Sisma X SLO	17.3	0	0	0	1.3E2	0.605	12204	9197	Sisma Y SLO	0	17.3	0	0	1.3E2	0.605
12205	9197	Sisma X SLD	14.4	0	0	0	1.3E2	0.605	12206	9197	Sisma Y SLD	0	14.4	0	0	1.3E2	0.605
12207	9198	Sisma X SLV	30.1	0	0	0	1.2E2	0.606	12208	9198	Sisma Y SLV	0	30.1	0	0	1.2E2	0.606
12209	9198	Sisma X SLO	16	0	0	0	1.2E2	0.606	12210	9198	Sisma Y SLO	0	16	0	0	1.2E2	0.606
12211	9198	Sisma X SLD	13.3	0	0	0	1.2E2	0.606	12212	9198	Sisma Y SLD	0	13.3	0	0	1.2E2	0.606
12213	9199	Sisma X SLV	21.3	0	0	0	8.8E1	0.606	12214	9199	Sisma Y SLV	0	21.3	0	0	8.8E1	0.606
12215	9199	Sisma X SLO	11.4	0	0	0	8.8E1	0.606	12216	9199	Sisma Y SLO	0	11.4	0	0	8.8E1	0.606
12217	9199	Sisma X SLD	9.4	0	0	0	8.8E1	0.606	12218	9199	Sisma Y SLD	0	9.4	0	0	8.8E1	0.606
12219	9200	Sisma X SLV	21.7	0	0	0	8.9E1	0.606	12220	9200	Sisma Y SLV	0	21.7	0	0	8.9E1	0.606
12221	9200	Sisma X SLO	11.5	0	0	0	8.9E1	0.606	12222	9200	Sisma Y SLO	0	11.5	0	0	8.9E1	0.606
12223	9200	Sisma X SLD	9.6	0	0	0	8.9E1	0.606	12224	9200	Sisma Y SLD	0	9.6	0	0	8.9E1	0.606
12225	9201	Sisma X SLV	24.5	0	0	0	1.0E2	0.606	12226	9201	Sisma Y SLV	0	24.5	0	0	1.0E2	0.606
12227	9201	Sisma X SLO	13.1	0	0	0	1.0E2	0.606	12228	9201	Sisma Y SLO	0	13.1	0	0	1.0E2	0.606
12229	9201	Sisma X SLD	10.8	0	0	0	1.0E2	0.606	12230	9201	Sisma Y SLD	0	10.8	0	0	1.0E2	0.606
12231	9202	Sisma X SLV	21.4	0	0	0	8.8E1	0.606	12232	9202	Sisma Y SLV	0	21.4	0	0	8.8E1	0.606
12233	9202	Sisma X SLO	11.4	0	0	0	8.8E1	0.606	12234	9202	Sisma Y SLO	0	11.4	0	0	8.8E1	0.606
12235	9202	Sisma X SLD	9.5	0	0	0	8.8E1	0.606	12236	9202	Sisma Y SLD	0	9.5	0	0	8.8E1	0.606
12237	9203	Sisma X SLV	26	0	0	0	1.1E2	0.606	12238	9203	Sisma Y SLV	0	26	0	0	1.1E2	0.606
12239	9203	Sisma X SLO	13.8	0	0	0	1.1E2	0.606	12240	9203	Sisma Y SLO	0	13.8	0	0	1.1E2	0.606
12241	9203	Sisma X SLD	11.5	0	0	0	1.1E2	0.606	12242	9203	Sisma Y SLD	0	11.5	0	0	1.1E2	0.606
12243	9204	Sisma X SLV	42.3	0	0	0	1.7E2	0.606	12244	9204	Sisma Y SLV	0	42.3	0	0	1.7E2	0.606
12245	9204	Sisma X SLO	22.5	0	0	0	1.7E2	0.606	12246	9204	Sisma Y SLO	0	22.5	0	0	1.7E2	0.606
12247	9204	Sisma X SLD	18.7	0	0	0	1.7E2	0.606	12248	9204	Sisma Y SLD	0	18.7	0	0	1.7E2	0.606
12249	9205	Sisma X SLV	22.5	0	0	0	9.3E1	0.607	12250	9205	Sisma Y SLV	0	22.5	0	0	9.3E1	0.607
12251	9205	Sisma X SLO	12	0	0	0	9.3E1	0.607	12252	9205	Sisma Y SLO	0	12	0	0	9.3E1	0.607
12253	9205	Sisma X SLD	10	0	0	0	9.3E1	0.607	12254	9205	Sisma Y SLD	0	10	0	0	9.3E1	0.607
12255	9206	Sisma X SLV	25	0	0	0	1.0E2	0.607	12256	9206	Sisma Y SLV	0	25	0	0	1.0E2	0.607
12257	9206	Sisma X SLO	13.3	0	0	0	1.0E2	0.607	12258	9206	Sisma Y SLO	0	13.3	0	0	1.0E2	0.607
12259	9206	Sisma X SLD	11.1	0	0	0	1.0E2	0.607	12260	9206	Sisma Y SLD	0	11.1	0	0	1.0E2	0.607
12261	9207	Sisma X SLV	13	0	0	0	5.4E1	0.607	12262	9207	Sisma Y SLV	0	13	0	0	5.4E1	0.607
12263	9207	Sisma X SLO	6.9	0	0	0	5.4E1	0.607	12264	9207	Sisma Y SLO	0	6.9	0	0	5.4E1	0.607
12265	9207	Sisma X SLD	5.7	0	0	0	5.4E1	0.607	12266	9207	Sisma Y SLD	0	5.7	0	0	5.4E1	0.607
12267	9208	Sisma X SLV	26.7	0	0	0	1.1E2	0.607	12268	9208	Sisma Y SLV	0	26.7	0	0	1.1E2	0.607
12269	9208	Sisma X SLO	14.2	0	0	0	1.1E2	0.607	12270	9208	Sisma Y SLO	0	14.2	0	0	1.1E2	0.607
12271	9208	Sisma X SLD	11.8	0	0	0	1.1E2	0.607	12272	9208	Sisma Y SLD	0	11.8	0	0	1.1E2	0.607
12273	9209	Sisma X SLV	22.8	0	0	0	9.4E1	0.607	12274	9209	Sisma Y SLV	0	22.8	0	0	9.4E1	0.607
12275	9209	Sisma X SLO	12.2	0	0	0	9.4E1	0.607	12276	9209	Sisma Y SLO	0	12.2	0	0	9.4E1	0.607
12277	9209	Sisma X SLD	10.1	0	0	0	9.4E1	0.607	12278	9209	Sisma Y SLD	0	10.1	0	0	9.4E1	0.607
12279	9210	Sisma X SLV	25.9	0	0	0	1.1E2	0.607	12280	9210	Sisma Y SLV	0	25.9	0	0	1.1E2	0.607
12281	9210	Sisma X SLO	13.8	0	0	0	1.1E2	0.607	12282	9210	Sisma Y SLO	0	13.8	0	0	1.1E2	0.607
12283	9210	Sisma X SLD	11.5	0	0	0	1.1E2	0.607	12284	9210	Sisma Y SLD	0	11.5	0	0	1.1E2	0.607
12285	9211	Sisma X SLV	26.7	0	0	0	1.1E2	0.607	12286	9211	Sisma Y SLV	0	26.7	0	0	1.1E2	0.607
12287	9211	Sisma X SLO	14.2	0	0	0	1.1E2	0.607	12288	9211	Sisma Y SLO	0	14.2	0	0	1.1E2	0.607
12289	9211	Sisma X SLD	11.8	0	0	0	1.1E2	0.607	12290	9211	Sisma Y SLD	0	11.8	0	0	1.1E2	0.607
12291	9212	Sisma X SLV	42.1	0	0	0	1.7E2	0.607	12292	9212	Sisma Y SLV	0	42.1	0	0	1.7E2	0.607
12293	9212	Sisma X SLO	22.5	0	0	0	1.7E2	0.607	12294	9212	Sisma Y SLO	0	22.5	0	0	1.7E2	0.607
12295	9212	Sisma X SLD	18.7	0	0	0	1.7E2	0.607	12296	9212	Sisma Y SLD	0	18.7	0	0	1.7E2	0.607
12297	9213	Sisma X SLV	24.7	0	0	0	1.0E2	0.607	12298	9213	Sisma Y SLV	0	24.7	0	0	1.0E2	0.607
12299	9213	Sisma X SLO	13.1	0	0	0	1.0E2	0.607	12300	9213	Sisma Y SLO	0	13.1	0	0	1.0E2	0.607
12301	9213	Sisma X SLD	10.9	0	0	0	1.0E2	0.607	12302	9213	Sisma Y SLD	0	10.9	0	0	1.0E2	0.607
12303	9214	Sisma X SLV	23.6	0	0	0	9.7E1	0.608	12304	9214	Sisma Y SLV	0	23.6	0	0	9.7E1	0.608
12305	9214	Sisma X SLO	12.6	0	0	0	9.7E1	0.608	12306	9214	Sisma Y SLO	0	12.6	0	0	9.7E1	0.608
12307	9214	Sisma X SLD	10.5	0	0	0	9.7E1	0.608	12308	9214	Sisma Y SLD	0	10.5	0	0	9.7E1	0.608
12309	9215	Sisma X SLV	41.4	0	0	0	1.7E2	0.608	12310	9215	Sisma Y SLV	0	41.4	0	0	1.7E2	0.608
12311	9215	Sisma X SLO	22.1	0	0	0	1.7E2	0.608	12312	9215	Sisma Y SLO	0	22.1	0	0	1.7E2	0.608

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
12313	9215	Sisma X SLD	18.3	0	0	0	1.7E2	0.608	12314	9215	Sisma Y SLD	0	18.3	0	0	1.7E2	0.608
12315	9216	Sisma X SLV	42.3	0	0	0	1.7E2	0.608	12316	9216	Sisma Y SLV	0	42.3	0	0	1.7E2	0.608
12317	9216	Sisma X SLO	22.5	0	0	0	1.7E2	0.608	12318	9216	Sisma Y SLO	0	22.5	0	0	1.7E2	0.608
12319	9216	Sisma X SLD	18.7	0	0	0	1.7E2	0.608	12320	9216	Sisma Y SLD	0	18.7	0	0	1.7E2	0.608
12321	9217	Sisma X SLV	24.7	0	0	0	1.0E2	0.608	12322	9217	Sisma Y SLV	0	24.7	0	0	1.0E2	0.608
12323	9217	Sisma X SLO	13.1	0	0	0	1.0E2	0.608	12324	9217	Sisma Y SLO	0	13.1	0	0	1.0E2	0.608
12325	9217	Sisma X SLD	10.9	0	0	0	1.0E2	0.608	12326	9217	Sisma Y SLD	0	10.9	0	0	1.0E2	0.608
12327	9218	Sisma X SLV	42	0	0	0	1.7E2	0.608	12328	9218	Sisma Y SLV	0	42	0	0	1.7E2	0.608
12329	9218	Sisma X SLO	22.4	0	0	0	1.7E2	0.608	12330	9218	Sisma Y SLO	0	22.4	0	0	1.7E2	0.608
12331	9218	Sisma X SLD	18.6	0	0	0	1.7E2	0.608	12332	9218	Sisma Y SLD	0	18.6	0	0	1.7E2	0.608
12333	9219	Sisma X SLV	23.1	0	0	0	9.5E1	0.609	12334	9219	Sisma Y SLV	0	23.1	0	0	9.5E1	0.609
12335	9219	Sisma X SLO	12.3	0	0	0	9.5E1	0.609	12336	9219	Sisma Y SLO	0	12.3	0	0	9.5E1	0.609
12337	9219	Sisma X SLD	10.2	0	0	0	9.5E1	0.609	12338	9219	Sisma Y SLD	0	10.2	0	0	9.5E1	0.609
12339	9220	Sisma X SLV	24.1	0	0	0	9.9E1	0.609	12340	9220	Sisma Y SLV	0	24.1	0	0	9.9E1	0.609
12341	9220	Sisma X SLO	12.8	0	0	0	9.9E1	0.609	12342	9220	Sisma Y SLO	0	12.8	0	0	9.9E1	0.609
12343	9220	Sisma X SLD	10.7	0	0	0	9.9E1	0.609	12344	9220	Sisma Y SLD	0	10.7	0	0	9.9E1	0.609
12345	9221	Sisma X SLV	41.7	0	0	0	1.7E2	0.609	12346	9221	Sisma Y SLV	0	41.7	0	0	1.7E2	0.609
12347	9221	Sisma X SLO	22.2	0	0	0	1.7E2	0.609	12348	9221	Sisma Y SLO	0	22.2	0	0	1.7E2	0.609
12349	9221	Sisma X SLD	18.4	0	0	0	1.7E2	0.609	12350	9221	Sisma Y SLD	0	18.4	0	0	1.7E2	0.609
12351	9222	Sisma X SLV	40.4	0	0	0	1.7E2	0.609	12352	9222	Sisma Y SLV	0	40.4	0	0	1.7E2	0.609
12353	9222	Sisma X SLO	21.5	0	0	0	1.7E2	0.609	12354	9222	Sisma Y SLO	0	21.5	0	0	1.7E2	0.609
12355	9222	Sisma X SLD	17.9	0	0	0	1.7E2	0.609	12356	9222	Sisma Y SLD	0	17.9	0	0	1.7E2	0.609
12357	9223	Sisma X SLV	43.3	0	0	0	1.8E2	0.609	12358	9223	Sisma Y SLV	0	43.3	0	0	1.8E2	0.609
12359	9223	Sisma X SLO	23.1	0	0	0	1.8E2	0.609	12360	9223	Sisma Y SLO	0	23.1	0	0	1.8E2	0.609
12361	9223	Sisma X SLD	19.2	0	0	0	1.8E2	0.609	12362	9223	Sisma Y SLD	0	19.2	0	0	1.8E2	0.609
12363	9224	Sisma X SLV	17.5	0	0	0	7.2E1	0.609	12364	9224	Sisma Y SLV	0	17.5	0	0	7.2E1	0.609
12365	9224	Sisma X SLO	9.3	0	0	0	7.2E1	0.609	12366	9224	Sisma Y SLO	0	9.3	0	0	7.2E1	0.609
12367	9224	Sisma X SLD	7.7	0	0	0	7.2E1	0.609	12368	9224	Sisma Y SLD	0	7.7	0	0	7.2E1	0.609
12369	9225	Sisma X SLV	23.4	0	0	0	9.6E1	0.609	12370	9225	Sisma Y SLV	0	23.4	0	0	9.6E1	0.609
12371	9225	Sisma X SLO	12.5	0	0	0	9.6E1	0.609	12372	9225	Sisma Y SLO	0	12.5	0	0	9.6E1	0.609
12373	9225	Sisma X SLD	10.4	0	0	0	9.6E1	0.609	12374	9225	Sisma Y SLD	0	10.4	0	0	9.6E1	0.609
12375	9226	Sisma X SLV	13.7	0	0	0	56.26	0.609	12376	9226	Sisma Y SLV	0	13.7	0	0	56.26	0.609
12377	9226	Sisma X SLO	7.3	0	0	0	56.26	0.609	12378	9226	Sisma Y SLO	0	7.3	0	0	56.26	0.609
12379	9226	Sisma X SLD	6.1	0	0	0	56.26	0.609	12380	9226	Sisma Y SLD	0	6.1	0	0	56.26	0.609
12381	9227	Sisma X SLV	41.2	0	0	0	1.7E2	0.609	12382	9227	Sisma Y SLV	0	41.2	0	0	1.7E2	0.609
12383	9227	Sisma X SLO	22	0	0	0	1.7E2	0.609	12384	9227	Sisma Y SLO	0	22	0	0	1.7E2	0.609
12385	9227	Sisma X SLD	18.2	0	0	0	1.7E2	0.609	12386	9227	Sisma Y SLD	0	18.2	0	0	1.7E2	0.609
12387	9228	Sisma X SLV	24.9	0	0	0	1.0E2	0.609	12388	9228	Sisma Y SLV	0	24.9	0	0	1.0E2	0.609
12389	9228	Sisma X SLO	13.3	0	0	0	1.0E2	0.609	12390	9228	Sisma Y SLO	0	13.3	0	0	1.0E2	0.609
12391	9228	Sisma X SLD	11	0	0	0	1.0E2	0.609	12392	9228	Sisma Y SLD	0	11	0	0	1.0E2	0.609
12393	9229	Sisma X SLV	24.9	0	0	0	1.0E2	0.61	12394	9229	Sisma Y SLV	0	24.9	0	0	1.0E2	0.61
12395	9229	Sisma X SLO	13.3	0	0	0	1.0E2	0.61	12396	9229	Sisma Y SLO	0	13.3	0	0	1.0E2	0.61
12397	9229	Sisma X SLD	11	0	0	0	1.0E2	0.61	12398	9229	Sisma Y SLD	0	11	0	0	1.0E2	0.61
12399	9230	Sisma X SLV	40.3	0	0	0	1.7E2	0.61	12400	9230	Sisma Y SLV	0	40.3	0	0	1.7E2	0.61
12401	9230	Sisma X SLO	21.5	0	0	0	1.7E2	0.61	12402	9230	Sisma Y SLO	0	21.5	0	0	1.7E2	0.61
12403	9230	Sisma X SLD	17.8	0	0	0	1.7E2	0.61	12404	9230	Sisma Y SLD	0	17.8	0	0	1.7E2	0.61
12405	9231	Sisma X SLV	25.3	0	0	0	1.0E2	0.61	12406	9231	Sisma Y SLV	0	25.3	0	0	1.0E2	0.61
12407	9231	Sisma X SLO	13.5	0	0	0	1.0E2	0.61	12408	9231	Sisma Y SLO	0	13.5	0	0	1.0E2	0.61
12409	9231	Sisma X SLD	11.2	0	0	0	1.0E2	0.61	12410	9231	Sisma Y SLD	0	11.2	0	0	1.0E2	0.61
12411	9232	Sisma X SLV	24.9	0	0	0	1.0E2	0.61	12412	9232	Sisma Y SLV	0	24.9	0	0	1.0E2	0.61
12413	9232	Sisma X SLO	13.3	0	0	0	1.0E2	0.61	12414	9232	Sisma Y SLO	0	13.3	0	0	1.0E2	0.61
12415	9232	Sisma X SLD	11	0	0	0	1.0E2	0.61	12416	9232	Sisma Y SLD	0	11	0	0	1.0E2	0.61
12417	9233	Sisma X SLV	39.5	0	0	0	1.6E2	0.611	12418	9233	Sisma Y SLV	0	39.5	0	0	1.6E2	0.611
12419	9233	Sisma X SLO	21.1	0	0	0	1.6E2	0.611	12420	9233	Sisma Y SLO	0	21.1	0	0	1.6E2	0.611
12421	9233	Sisma X SLD	17.5	0	0	0	1.6E2	0.611	12422	9233	Sisma Y SLD	0	17.5	0	0	1.6E2	0.611
12423	9234	Sisma X SLV	21.4	0	0	0	8.7E1	0.611	12424	9234	Sisma Y SLV	0	21.4	0	0	8.7E1	0.611
12425	9234	Sisma X SLO	11.4	0	0	0	8.7E1	0.611	12426	9234	Sisma Y SLO	0	11.4	0	0	8.7E1	0.611
12427	9234	Sisma X SLD	9.4	0	0	0	8.7E1	0.611	12428	9234	Sisma Y SLD	0	9.4	0	0	8.7E1	0.611
12429	9235	Sisma X SLV	26.5	0	0	0	1.1E2	0.611	12430	9235	Sisma Y SLV	0	26.5	0	0	1.1E2	0.611
12431	9235	Sisma X SLO	14.1	0	0	0	1.1E2	0.611	12432	9235	Sisma Y SLO	0	14.1	0	0	1.1E2	0.611
12433	9235	Sisma X SLD	11.7	0	0	0	1.1E2	0.611	12434	9235	Sisma Y SLD	0	11.7	0	0	1.1E2	0.611
12435	9236	Sisma X SLV	10.2	0	0	0	4.2E1	0.611	12436	9236	Sisma Y SLV	0	10.2	0	0	4.2E1	0.611
12437	9236	Sisma X SLO	5.4	0	0	0	4.2E1	0.611	12438	9236	Sisma Y SLO	0	5.4	0	0	4.2E1	0.611
12439	9236	Sisma X SLD	4.5	0	0	0	4.2E1	0.611	12440	9236	Sisma Y SLD	0	4.5	0	0	4.2E1	0.611
12441	9237	Sisma X SLV	39.2	0	0	0	1.6E2	0.611	12442	9237	Sisma Y SLV	0	39.2	0	0	1.6E2	0.611
12443	9237	Sisma X SLO	20.9	0	0	0	1.6E2	0.611	12444	9237	Sisma Y SLO	0	20.9	0	0	1.6E2	0.611
12445	9237	Sisma X SLD	17.3	0	0	0	1.6E2	0.611	12446	9237	Sisma Y SLD	0	17.3	0	0	1.6E2	0.611
12447	9238	Sisma X SLV	43.7	0	0	0	1.8E2	0.611	12448	9238	Sisma Y SLV	0	43.7	0	0	1.8E2	0.611
12449	9238	Sisma X SLO	23.3	0	0	0	1.8E2	0.611	12450	9238	Sisma Y SLO	0	23.3	0	0	1.8E2	0.611
12451	9238	Sisma X SLD	19.3	0	0	0	1.8E2	0.611	12452	9238	Sisma Y SLD	0	19.3	0	0	1.8E2	0.611
12453	9239	Sisma X SLV	24.2	0	0	0	9.9E1	0.611	12454	9239	Sisma Y SLV	0	24.2	0	0	9.9E1	0.611
12455	9239	Sisma X SLO	12.9	0	0	0	9.9E1	0.611	12456	9239	Sisma Y SLO	0	12.9	0	0	9.9E1	0.611
12457	9239	Sisma X SLD	10.7	0	0	0	9.9E1	0.611	12458	9239	Sisma Y SLD	0	10.7	0	0	9.9E1	0.611
12459	9240	Sisma X SLV	39.1	0	0	0	1.6E2	0.611	12460	9240	Sisma Y SLV	0	39.1	0	0	1.6E2	0.611
12461	9240	Sisma X SLO	20.8	0	0	0	1.6E2	0.611	12462	9240	Sisma Y SLO	0	20.8	0	0	1.6E2	0.611
12463	9240	Sisma X SLD	17.3	0	0	0	1.6E2	0.611	12464	9240	Sisma Y SLD	0	17.3	0	0	1.6E2	0.611
12465	9241	Sisma X SLV	24.9	0	0	0	1.0E2	0.612	12466	9241	Sisma Y SLV	0	24.9	0	0	1.0E2	0.612
12467	9241	Sisma X SLO	13.3	0	0	0	1.0E2	0.612	12468	9241	Sisma Y SLO	0	13.3	0	0	1.0E2	0.612
12469	9241	Sisma X SLD	11	0	0	0	1.0E2	0.612	12470	9241	Sisma Y SLD	0	11	0	0	1.0E2	0.612
12471	9242	Sisma X SLV	37.8	0	0	0	1.5E2	0.612	12472	9242	Sisma Y SLV	0	37.8	0	0	1.5E2	0.612
12473	9242	Sisma X SLO	20.1	0	0	0	1.5E2	0.612	12474	9242	Sisma Y SLO	0	20.1	0	0	1.5E2	0.612
12475	9242	Sisma X SLD	16.7	0	0	0	1.5E2	0.612	12476	9242	Sisma Y SLD	0	16.7	0	0	1.5E2	0.612
12477	9243	Sisma X SLV	37.7	0	0	0	1.5E2	0.612	12478	9243	Sisma Y SLV	0	37.7	0	0	1.5E2	0.612
12479	9243	Sisma X SLO	20.1	0	0	0	1.5E2	0.612	12480	9243	Sisma Y SLO	0	20.1	0	0	1.5E2	0.612
12481	9243	Sisma X SLD	16.7	0	0	0	1.5E2	0.612	12482	9243	Sisma Y SLD	0	16.7	0	0	1.5E2	0.612
12483	9244	Sisma X SLV	37.8	0	0	0	1.5E2	0.612	12484	9244	Sisma Y SLV	0	37.8	0	0	1.5E2	0.612
12485	9244	Sisma X SLO	20.2	0	0	0	1.5E2	0.612	12486	9244	Sisma Y SLO	0	20.2	0	0	1.5E2	0.612
12487	9244	Sisma X SLD	16.7	0	0	0	1.5E2	0.612	12488	9244	Sisma Y SLD	0	16.7	0	0	1.5E2	0.612
12489	9245	Sisma X SLV	39.2	0	0	0	1.6E2	0.612	12490	9245	Sisma Y SLV	0	39.2	0	0	1.6E2	0.612
12491	9245	Sisma X SLO	20.9	0	0	0	1.6E2	0.612	12492	9245	Sisma Y SLO	0	20.9	0	0	1.6E2	0.612
12493	9245	Sisma X SLD	17.3	0	0	0	1.6E2	0.612	12494	9245	Sisma Y SLD	0	17.3	0	0	1.6E2	0.612
12495	9246	Sisma X SLV	44.4	0	0	0	1.8E2	0.612	12496	9246	Sisma Y SLV	0	44.4	0	0	1.8E2	0.612
12497	9246	Sisma X SLO	23.7	0	0	0	1.8E2	0.612	12498	9246	Sisma Y SLO	0	23.7	0	0	1.8E2	0.612
12499	9246	Sisma X SLD	19.6	0	0	0	1.8E2	0.612	12500	9246	Sisma Y SLD	0	19.6	0	0	1.8E2	0.612
12501	9247	Sisma X SLV	43.8	0	0	0	1.8E2	0.612	12502	9247	Sisma Y SLV	0	43.8	0	0	1.8E2	0.612
12503	9247	Sisma X SLO	23.4	0	0	0	1.8E2	0.612	12504	9247	Sisma Y SLO	0	23.4	0	0	1.8E2	0.612
12505	9247	Sisma X SLD	19.4	0	0	0	1.8E2	0.612	12506	9247	Sisma Y SLD	0	19.4	0	0	1.8E2	0.612
12507	9248	Sisma X SLV	37.7	0	0	0	1.5E2	0.612	12508	9248	Sisma Y SLV	0	37.7	0	0	1.5E2	0.612
12509	9248	Sisma X SLO	20.1	0	0	0	1.5E2	0.612	12510	9248	Sisma Y SLO	0	20.1	0	0	1.5E2	0.612
12511	9248	Sisma X SLD	16.7	0	0	0	1.5E2	0.612	12512	9248	Sisma Y SLD	0	16.7	0	0	1.5E2	0.612

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
12513	9249	Sisma X SLV	37.6	0	0	0	1.5E2	0.612	12514	9249	Sisma Y SLV	0	37.6	0	0	1.5E2	0.612
12515	9249	Sisma X SLO	20.1	0	0	0	1.5E2	0.612	12516	9249	Sisma Y SLO	0	20.1	0	0	1.5E2	0.612
12517	9249	Sisma X SLD	16.7	0	0	0	1.5E2	0.612	12518	9249	Sisma Y SLD	0	16.7	0	0	1.5E2	0.612
12519	9250	Sisma X SLV	37.5	0	0	0	1.5E2	0.613	12520	9250	Sisma Y SLV	0	37.5	0	0	1.5E2	0.613
12521	9250	Sisma X SLO	20	0	0	0	1.5E2	0.613	12522	9250	Sisma Y SLO	0	20	0	0	1.5E2	0.613
12523	9250	Sisma X SLD	16.6	0	0	0	1.5E2	0.613	12524	9250	Sisma Y SLD	0	16.6	0	0	1.5E2	0.613
12525	9251	Sisma X SLV	55.8	0	0	0	2.3E2	0.613	12526	9251	Sisma Y SLV	0	55.8	0	0	2.3E2	0.613
12527	9251	Sisma X SLO	29.7	0	0	0	2.3E2	0.613	12528	9251	Sisma Y SLO	0	29.7	0	0	2.3E2	0.613
12529	9251	Sisma X SLD	24.7	0	0	0	2.3E2	0.613	12530	9251	Sisma Y SLD	0	24.7	0	0	2.3E2	0.613
12531	9252	Sisma X SLV	55.4	0	0	0	2.3E2	0.613	12532	9252	Sisma Y SLV	0	55.4	0	0	2.3E2	0.613
12533	9252	Sisma X SLO	29.6	0	0	0	2.3E2	0.613	12534	9252	Sisma Y SLO	0	29.6	0	0	2.3E2	0.613
12535	9252	Sisma X SLD	24.5	0	0	0	2.3E2	0.613	12536	9252	Sisma Y SLD	0	24.5	0	0	2.3E2	0.613
12537	9253	Sisma X SLV	24.9	0	0	0	1.0E2	0.613	12538	9253	Sisma Y SLV	0	24.9	0	0	1.0E2	0.613
12539	9253	Sisma X SLO	13.3	0	0	0	1.0E2	0.613	12540	9253	Sisma Y SLO	0	13.3	0	0	1.0E2	0.613
12541	9253	Sisma X SLD	11	0	0	0	1.0E2	0.613	12542	9253	Sisma Y SLD	0	11	0	0	1.0E2	0.613
12543	9254	Sisma X SLV	56.2	0	0	0	2.3E2	0.613	12544	9254	Sisma Y SLV	0	56.2	0	0	2.3E2	0.613
12545	9254	Sisma X SLO	30	0	0	0	2.3E2	0.613	12546	9254	Sisma Y SLO	0	30	0	0	2.3E2	0.613
12547	9254	Sisma X SLD	24.9	0	0	0	2.3E2	0.613	12548	9254	Sisma Y SLD	0	24.9	0	0	2.3E2	0.613
12549	9255	Sisma X SLV	55.2	0	0	0	2.3E2	0.613	12550	9255	Sisma Y SLV	0	55.2	0	0	2.3E2	0.613
12551	9255	Sisma X SLO	29.4	0	0	0	2.3E2	0.613	12552	9255	Sisma Y SLO	0	29.4	0	0	2.3E2	0.613
12553	9255	Sisma X SLD	24.4	0	0	0	2.3E2	0.613	12554	9255	Sisma Y SLD	0	24.4	0	0	2.3E2	0.613
12555	9256	Sisma X SLV	48.5	0	0	0	2.0E2	0.613	12556	9256	Sisma Y SLV	0	48.5	0	0	2.0E2	0.613
12557	9256	Sisma X SLO	25.9	0	0	0	2.0E2	0.613	12558	9256	Sisma Y SLO	0	25.9	0	0	2.0E2	0.613
12559	9256	Sisma X SLD	21.5	0	0	0	2.0E2	0.613	12560	9256	Sisma Y SLD	0	21.5	0	0	2.0E2	0.613
12561	9257	Sisma X SLV	46.3	0	0	0	1.9E2	0.613	12562	9257	Sisma Y SLV	0	46.3	0	0	1.9E2	0.613
12563	9257	Sisma X SLO	24.7	0	0	0	1.9E2	0.613	12564	9257	Sisma Y SLO	0	24.7	0	0	1.9E2	0.613
12565	9257	Sisma X SLD	20.5	0	0	0	1.9E2	0.613	12566	9257	Sisma Y SLD	0	20.5	0	0	1.9E2	0.613
12567	9258	Sisma X SLV	40.6	0	0	0	1.7E2	0.613	12568	9258	Sisma Y SLV	0	40.6	0	0	1.7E2	0.613
12569	9258	Sisma X SLO	21.6	0	0	0	1.7E2	0.613	12570	9258	Sisma Y SLO	0	21.6	0	0	1.7E2	0.613
12571	9258	Sisma X SLD	17.9	0	0	0	1.7E2	0.613	12572	9258	Sisma Y SLD	0	17.9	0	0	1.7E2	0.613
12573	9259	Sisma X SLV	35	0	0	0	1.4E2	0.613	12574	9259	Sisma Y SLV	0	35	0	0	1.4E2	0.613
12575	9259	Sisma X SLO	18.6	0	0	0	1.4E2	0.613	12576	9259	Sisma Y SLO	0	18.6	0	0	1.4E2	0.613
12577	9259	Sisma X SLD	15.5	0	0	0	1.4E2	0.613	12578	9259	Sisma Y SLD	0	15.5	0	0	1.4E2	0.613
12579	9260	Sisma X SLV	48.5	0	0	0	2.0E2	0.613	12580	9260	Sisma Y SLV	0	48.5	0	0	2.0E2	0.613
12581	9260	Sisma X SLO	25.9	0	0	0	2.0E2	0.613	12582	9260	Sisma Y SLO	0	25.9	0	0	2.0E2	0.613
12583	9260	Sisma X SLD	21.5	0	0	0	2.0E2	0.613	12584	9260	Sisma Y SLD	0	21.5	0	0	2.0E2	0.613
12585	9261	Sisma X SLV	19.3	0	0	0	7.9E1	0.613	12586	9261	Sisma Y SLV	0	19.3	0	0	7.9E1	0.613
12587	9261	Sisma X SLO	10.3	0	0	0	7.9E1	0.613	12588	9261	Sisma Y SLO	0	10.3	0	0	7.9E1	0.613
12589	9261	Sisma X SLD	8.6	0	0	0	7.9E1	0.613	12590	9261	Sisma Y SLD	0	8.6	0	0	7.9E1	0.613
12591	9262	Sisma X SLV	20	0	0	0	8.2E1	0.613	12592	9262	Sisma Y SLV	0	20	0	0	8.2E1	0.613
12593	9262	Sisma X SLO	10.7	0	0	0	8.2E1	0.613	12594	9262	Sisma Y SLO	0	10.7	0	0	8.2E1	0.613
12595	9262	Sisma X SLD	8.9	0	0	0	8.2E1	0.613	12596	9262	Sisma Y SLD	0	8.9	0	0	8.2E1	0.613
12597	9263	Sisma X SLV	42.3	0	0	0	1.7E2	0.613	12598	9263	Sisma Y SLV	0	42.3	0	0	1.7E2	0.613
12599	9263	Sisma X SLO	22.6	0	0	0	1.7E2	0.613	12600	9263	Sisma Y SLO	0	22.6	0	0	1.7E2	0.613
12601	9263	Sisma X SLD	18.7	0	0	0	1.7E2	0.613	12602	9263	Sisma Y SLD	0	18.7	0	0	1.7E2	0.613
12603	9264	Sisma X SLV	50.3	0	0	0	2.1E2	0.613	12604	9264	Sisma Y SLV	0	50.3	0	0	2.1E2	0.613
12605	9264	Sisma X SLO	26.8	0	0	0	2.1E2	0.613	12606	9264	Sisma Y SLO	0	26.8	0	0	2.1E2	0.613
12607	9264	Sisma X SLD	22.3	0	0	0	2.1E2	0.613	12608	9264	Sisma Y SLD	0	22.3	0	0	2.1E2	0.613
12609	9265	Sisma X SLV	26.7	0	0	0	1.1E2	0.613	12610	9265	Sisma Y SLV	0	26.7	0	0	1.1E2	0.613
12611	9265	Sisma X SLO	14.2	0	0	0	1.1E2	0.613	12612	9265	Sisma Y SLO	0	14.2	0	0	1.1E2	0.613
12613	9265	Sisma X SLD	11.8	0	0	0	1.1E2	0.613	12614	9265	Sisma Y SLD	0	11.8	0	0	1.1E2	0.613
12615	9266	Sisma X SLV	39.7	0	0	0	1.6E2	0.613	12616	9266	Sisma Y SLV	0	39.7	0	0	1.6E2	0.613
12617	9266	Sisma X SLO	21.1	0	0	0	1.6E2	0.613	12618	9266	Sisma Y SLO	0	21.1	0	0	1.6E2	0.613
12619	9266	Sisma X SLD	17.5	0	0	0	1.6E2	0.613	12620	9266	Sisma Y SLD	0	17.5	0	0	1.6E2	0.613
12621	9267	Sisma X SLV	39.6	0	0	0	1.6E2	0.613	12622	9267	Sisma Y SLV	0	39.6	0	0	1.6E2	0.613
12623	9267	Sisma X SLO	21.1	0	0	0	1.6E2	0.613	12624	9267	Sisma Y SLO	0	21.1	0	0	1.6E2	0.613
12625	9267	Sisma X SLD	17.5	0	0	0	1.6E2	0.613	12626	9267	Sisma Y SLD	0	17.5	0	0	1.6E2	0.613
12627	9268	Sisma X SLV	24.7	0	0	0	1.0E2	0.613	12628	9268	Sisma Y SLV	0	24.7	0	0	1.0E2	0.613
12629	9268	Sisma X SLO	13.1	0	0	0	1.0E2	0.613	12630	9268	Sisma Y SLO	0	13.1	0	0	1.0E2	0.613
12631	9268	Sisma X SLD	10.9	0	0	0	1.0E2	0.613	12632	9268	Sisma Y SLD	0	10.9	0	0	1.0E2	0.613
12633	9269	Sisma X SLV	39.5	0	0	0	1.6E2	0.613	12634	9269	Sisma Y SLV	0	39.5	0	0	1.6E2	0.613
12635	9269	Sisma X SLO	21	0	0	0	1.6E2	0.613	12636	9269	Sisma Y SLO	0	21	0	0	1.6E2	0.613
12637	9269	Sisma X SLD	17.5	0	0	0	1.6E2	0.613	12638	9269	Sisma Y SLD	0	17.5	0	0	1.6E2	0.613
12639	9270	Sisma X SLV	39.3	0	0	0	1.6E2	0.613	12640	9270	Sisma Y SLV	0	39.3	0	0	1.6E2	0.613
12641	9270	Sisma X SLO	21	0	0	0	1.6E2	0.613	12642	9270	Sisma Y SLO	0	21	0	0	1.6E2	0.613
12643	9270	Sisma X SLD	17.4	0	0	0	1.6E2	0.613	12644	9270	Sisma Y SLD	0	17.4	0	0	1.6E2	0.613
12645	9271	Sisma X SLV	41.2	0	0	0	1.7E2	0.613	12646	9271	Sisma Y SLV	0	41.2	0	0	1.7E2	0.613
12647	9271	Sisma X SLO	22	0	0	0	1.7E2	0.613	12648	9271	Sisma Y SLO	0	22	0	0	1.7E2	0.613
12649	9271	Sisma X SLD	18.2	0	0	0	1.7E2	0.613	12650	9271	Sisma Y SLD	0	18.2	0	0	1.7E2	0.613
12651	9272	Sisma X SLV	25.7	0	0	0	1.0E2	0.613	12652	9272	Sisma Y SLV	0	25.7	0	0	1.0E2	0.613
12653	9272	Sisma X SLO	13.7	0	0	0	1.0E2	0.613	12654	9272	Sisma Y SLO	0	13.7	0	0	1.0E2	0.613
12655	9272	Sisma X SLD	11.4	0	0	0	1.0E2	0.613	12656	9272	Sisma Y SLD	0	11.4	0	0	1.0E2	0.613
12657	9273	Sisma X SLV	12.9	0	0	0	5.2E1	0.613	12658	9273	Sisma Y SLV	0	12.9	0	0	5.2E1	0.613
12659	9273	Sisma X SLO	6.9	0	0	0	5.2E1	0.613	12660	9273	Sisma Y SLO	0	6.9	0	0	5.2E1	0.613
12661	9273	Sisma X SLD	5.7	0	0	0	5.2E1	0.613	12662	9273	Sisma Y SLD	0	5.7	0	0	5.2E1	0.613
12663	9274	Sisma X SLV	17.1	0	0	0	7.0E1	0.613	12664	9274	Sisma Y SLV	0	17.1	0	0	7.0E1	0.613
12665	9274	Sisma X SLO	9.1	0	0	0	7.0E1	0.613	12666	9274	Sisma Y SLO	0	9.1	0	0	7.0E1	0.613
12667	9274	Sisma X SLD	7.6	0	0	0	7.0E1	0.613	12668	9274	Sisma Y SLD	0	7.6	0	0	7.0E1	0.613
12669	9275	Sisma X SLV	17.7	0	0	0	7.2E1	0.613	12670	9275	Sisma Y SLV	0	17.7	0	0	7.2E1	0.613
12671	9275	Sisma X SLO	9.5	0	0	0	7.2E1	0.613	12672	9275	Sisma Y SLO	0	9.5	0	0	7.2E1	0.613
12673	9275	Sisma X SLD	7.8	0	0	0	7.2E1	0.613	12674	9275	Sisma Y SLD	0	7.8	0	0	7.2E1	0.613
12675	9276	Sisma X SLV	25.3	0	0	0	1.0E2	0.613	12676	9276	Sisma Y SLV	0	25.3	0	0	1.0E2	0.613
12677	9276	Sisma X SLO	13.5	0	0	0	1.0E2	0.613	12678	9276	Sisma Y SLO	0	13.5	0	0	1.0E2	0.613
12679	9276	Sisma X SLD	11.2	0	0	0	1.0E2	0.613	12680	9276	Sisma Y SLD	0	11.2	0	0	1.0E2	0.613
12681	9277	Sisma X SLV	39.1	0	0	0	1.6E2	0.614	12682	9277	Sisma Y SLV	0	39.1	0	0	1.6E2	0.614
12683	9277	Sisma X SLO	20.9	0	0	0	1.6E2	0.614	12684	9277	Sisma Y SLO	0	20.9	0	0	1.6E2	0.614
12685	9277	Sisma X SLD	17.3	0	0	0	1.6E2	0.614	12686	9277	Sisma Y SLD	0	17.3	0	0	1.6E2	0.614
12687	9278	Sisma X SLV	23.3	0	0	0	9.5E1	0.614	12688	9278	Sisma Y SLV	0	23.3	0	0	9.5E1	0.614
12689	9278	Sisma X SLO	12.4	0	0	0	9.5E1	0.614	12690	9278	Sisma Y SLO	0	12.4	0	0	9.5E1	0.614
12691	9278	Sisma X SLD	10.3	0	0	0	9.5E1	0.614	12692	9278	Sisma Y SLD	0	10.3	0	0	9.5E1	0.614
12693	9279	Sisma X SLV	38.8	0	0	0	1.6E2	0.614	12694	9279	Sisma Y SLV	0	38.8	0	0	1.6E2	0.614
12695	9279	Sisma X SLO	20.7	0	0	0	1.6E2	0.614	12696	9279	Sisma Y SLO	0	20.7	0	0	1.6E2	0.614
12697	9279	Sisma X SLD	17.2	0	0	0	1.6E2	0.614	12698	9279	Sisma Y SLD	0	17.2	0	0	1.6E2	0.614
12699	9280	Sisma X SLV	38.3	0	0	0	1.6E2	0.614	12700	9280	Sisma Y SLV	0	38.3	0	0	1.6E2	0.614
12701	9280	Sisma X SLO	20.4	0	0	0	1.6E2	0.614	12702	9280	Sisma Y SLO	0	20.4	0	0	1.6E2	0.614
12703	9280	Sisma X SLD	16.9	0	0	0	1.6E2	0.614	12704	9280	Sisma Y SLD	0	16.9	0	0	1.6E2	0.614
12705	9281	Sisma X SLV	41	0	0	0	1.7E2	0.614	12706	9281	Sisma Y SLV	0	41	0	0	1.7E2	0.614
12707	9281	Sisma X SLO	21.9	0	0	0	1.7E2	0.614	12708	9281	Sisma Y SLO	0	21.9	0	0	1.7E2	0.614
12709	9281	Sisma X SLD	18.2	0	0	0	1.7E2	0.614	12710	9281	Sisma Y SLD	0	18.2	0	0	1.7E2	0.614
12711	9282	Sisma X SLV	37.8	0	0	0	1.5E2	0.614	12712	9282	Sisma Y SLV	0	37.8	0	0	1.5E2	0.614

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
12713	9282	Sisma X SLO	20.2	0	0	0	1.5E2	0.614	12714	9282	Sisma Y SLO	0	20.2	0	0	1.5E2	0.614
12715	9282	Sisma X SLD	16.7	0	0	0	1.5E2	0.614	12716	9282	Sisma Y SLD	0	16.7	0	0	1.5E2	0.614
12717	9283	Sisma X SLV	37.5	0	0	0	1.5E2	0.614	12718	9283	Sisma Y SLV	0	37.5	0	0	1.5E2	0.614
12719	9283	Sisma X SLO	20	0	0	0	1.5E2	0.614	12720	9283	Sisma Y SLO	0	20	0	0	1.5E2	0.614
12721	9283	Sisma X SLD	16.6	0	0	0	1.5E2	0.614	12722	9283	Sisma Y SLD	0	16.6	0	0	1.5E2	0.614
12723	9284	Sisma X SLV	37	0	0	0	1.5E2	0.614	12724	9284	Sisma Y SLV	0	37	0	0	1.5E2	0.614
12725	9284	Sisma X SLO	19.7	0	0	0	1.5E2	0.614	12726	9284	Sisma Y SLO	0	19.7	0	0	1.5E2	0.614
12727	9284	Sisma X SLD	16.4	0	0	0	1.5E2	0.614	12728	9284	Sisma Y SLD	0	16.4	0	0	1.5E2	0.614
12729	9285	Sisma X SLV	37.1	0	0	0	1.5E2	0.614	12730	9285	Sisma Y SLV	0	37.1	0	0	1.5E2	0.614
12731	9285	Sisma X SLO	19.8	0	0	0	1.5E2	0.614	12732	9285	Sisma Y SLO	0	19.8	0	0	1.5E2	0.614
12733	9285	Sisma X SLD	16.4	0	0	0	1.5E2	0.614	12734	9285	Sisma Y SLD	0	16.4	0	0	1.5E2	0.614
12735	9286	Sisma X SLV	15.5	0	0	0	6.3E1	0.614	12736	9286	Sisma Y SLV	0	15.5	0	0	6.3E1	0.614
12737	9286	Sisma X SLO	8.2	0	0	0	6.3E1	0.614	12738	9286	Sisma Y SLO	0	8.2	0	0	6.3E1	0.614
12739	9286	Sisma X SLD	6.8	0	0	0	6.3E1	0.614	12740	9286	Sisma Y SLD	0	6.8	0	0	6.3E1	0.614
12741	9287	Sisma X SLV	38.5	0	0	0	1.6E2	0.614	12742	9287	Sisma Y SLV	0	38.5	0	0	1.6E2	0.614
12743	9287	Sisma X SLO	20.5	0	0	0	1.6E2	0.614	12744	9287	Sisma Y SLO	0	20.5	0	0	1.6E2	0.614
12745	9287	Sisma X SLD	17	0	0	0	1.6E2	0.614	12746	9287	Sisma Y SLD	0	17	0	0	1.6E2	0.614
12747	9288	Sisma X SLV	39.7	0	0	0	1.6E2	0.614	12748	9288	Sisma Y SLV	0	39.7	0	0	1.6E2	0.614
12749	9288	Sisma X SLO	21.2	0	0	0	1.6E2	0.614	12750	9288	Sisma Y SLO	0	21.2	0	0	1.6E2	0.614
12751	9288	Sisma X SLD	17.6	0	0	0	1.6E2	0.614	12752	9288	Sisma Y SLD	0	17.6	0	0	1.6E2	0.614
12753	9289	Sisma X SLV	40.4	0	0	0	1.6E2	0.614	12754	9289	Sisma Y SLV	0	40.4	0	0	1.6E2	0.614
12755	9289	Sisma X SLO	21.6	0	0	0	1.6E2	0.614	12756	9289	Sisma Y SLO	0	21.6	0	0	1.6E2	0.614
12757	9289	Sisma X SLD	17.9	0	0	0	1.6E2	0.614	12758	9289	Sisma Y SLD	0	17.9	0	0	1.6E2	0.614
12759	9290	Sisma X SLV	41	0	0	0	1.7E2	0.614	12760	9290	Sisma Y SLV	0	41	0	0	1.7E2	0.614
12761	9290	Sisma X SLO	21.9	0	0	0	1.7E2	0.614	12762	9290	Sisma Y SLO	0	21.9	0	0	1.7E2	0.614
12763	9290	Sisma X SLD	18.1	0	0	0	1.7E2	0.614	12764	9290	Sisma Y SLD	0	18.1	0	0	1.7E2	0.614
12765	9291	Sisma X SLV	40.7	0	0	0	1.7E2	0.615	12766	9291	Sisma Y SLV	0	40.7	0	0	1.7E2	0.615
12767	9291	Sisma X SLO	21.7	0	0	0	1.7E2	0.615	12768	9291	Sisma Y SLO	0	21.7	0	0	1.7E2	0.615
12769	9291	Sisma X SLD	18	0	0	0	1.7E2	0.615	12770	9291	Sisma Y SLD	0	18	0	0	1.7E2	0.615
12771	9292	Sisma X SLV	29.8	0	0	0	1.2E2	0.615	12772	9292	Sisma Y SLV	0	29.8	0	0	1.2E2	0.615
12773	9292	Sisma X SLO	15.9	0	0	0	1.2E2	0.615	12774	9292	Sisma Y SLO	0	15.9	0	0	1.2E2	0.615
12775	9292	Sisma X SLD	13.2	0	0	0	1.2E2	0.615	12776	9292	Sisma Y SLD	0	13.2	0	0	1.2E2	0.615
12777	9293	Sisma X SLV	40.7	0	0	0	1.7E2	0.615	12778	9293	Sisma Y SLV	0	40.7	0	0	1.7E2	0.615
12779	9293	Sisma X SLO	21.7	0	0	0	1.7E2	0.615	12780	9293	Sisma Y SLO	0	21.7	0	0	1.7E2	0.615
12781	9293	Sisma X SLD	18	0	0	0	1.7E2	0.615	12782	9293	Sisma Y SLD	0	18	0	0	1.7E2	0.615
12783	9294	Sisma X SLV	41	0	0	0	1.7E2	0.615	12784	9294	Sisma Y SLV	0	41	0	0	1.7E2	0.615
12785	9294	Sisma X SLO	21.8	0	0	0	1.7E2	0.615	12786	9294	Sisma Y SLO	0	21.8	0	0	1.7E2	0.615
12787	9294	Sisma X SLD	18.1	0	0	0	1.7E2	0.615	12788	9294	Sisma Y SLD	0	18.1	0	0	1.7E2	0.615
12789	9295	Sisma X SLV	40.3	0	0	0	1.6E2	0.615	12790	9295	Sisma Y SLV	0	40.3	0	0	1.6E2	0.615
12791	9295	Sisma X SLO	21.5	0	0	0	1.6E2	0.615	12792	9295	Sisma Y SLO	0	21.5	0	0	1.6E2	0.615
12793	9295	Sisma X SLD	17.8	0	0	0	1.6E2	0.615	12794	9295	Sisma Y SLD	0	17.8	0	0	1.6E2	0.615
12795	9296	Sisma X SLV	40.9	0	0	0	1.7E2	0.616	12796	9296	Sisma Y SLV	0	40.9	0	0	1.7E2	0.616
12797	9296	Sisma X SLO	21.8	0	0	0	1.7E2	0.616	12798	9296	Sisma Y SLO	0	21.8	0	0	1.7E2	0.616
12799	9296	Sisma X SLD	18.1	0	0	0	1.7E2	0.616	12800	9296	Sisma Y SLD	0	18.1	0	0	1.7E2	0.616
12801	9297	Sisma X SLV	39.3	0	0	0	1.6E2	0.616	12802	9297	Sisma Y SLV	0	39.3	0	0	1.6E2	0.616
12803	9297	Sisma X SLO	21	0	0	0	1.6E2	0.616	12804	9297	Sisma Y SLO	0	21	0	0	1.6E2	0.616
12805	9297	Sisma X SLD	17.4	0	0	0	1.6E2	0.616	12806	9297	Sisma Y SLD	0	17.4	0	0	1.6E2	0.616
12807	9298	Sisma X SLV	39.2	0	0	0	1.6E2	0.616	12808	9298	Sisma Y SLV	0	39.2	0	0	1.6E2	0.616
12809	9298	Sisma X SLO	20.9	0	0	0	1.6E2	0.616	12810	9298	Sisma Y SLO	0	20.9	0	0	1.6E2	0.616
12811	9298	Sisma X SLD	17.4	0	0	0	1.6E2	0.616	12812	9298	Sisma Y SLD	0	17.4	0	0	1.6E2	0.616
12813	9299	Sisma X SLV	11	0	0	0	4.5E1	0.616	12814	9299	Sisma Y SLV	0	11	0	0	4.5E1	0.616
12815	9299	Sisma X SLO	5.9	0	0	0	4.5E1	0.616	12816	9299	Sisma Y SLO	0	5.9	0	0	4.5E1	0.616
12817	9299	Sisma X SLD	4.9	0	0	0	4.5E1	0.616	12818	9299	Sisma Y SLD	0	4.9	0	0	4.5E1	0.616
12819	9300	Sisma X SLV	40.9	0	0	0	1.7E2	0.616	12820	9300	Sisma Y SLV	0	40.9	0	0	1.7E2	0.616
12821	9300	Sisma X SLO	21.8	0	0	0	1.7E2	0.616	12822	9300	Sisma Y SLO	0	21.8	0	0	1.7E2	0.616
12823	9300	Sisma X SLD	18.1	0	0	0	1.7E2	0.616	12824	9300	Sisma Y SLD	0	18.1	0	0	1.7E2	0.616
12825	9301	Sisma X SLV	18.7	0	0	0	7.6E1	0.616	12826	9301	Sisma Y SLV	0	18.7	0	0	7.6E1	0.616
12827	9301	Sisma X SLO	9.9	0	0	0	7.6E1	0.616	12828	9301	Sisma Y SLO	0	9.9	0	0	7.6E1	0.616
12829	9301	Sisma X SLD	8.3	0	0	0	7.6E1	0.616	12830	9301	Sisma Y SLD	0	8.3	0	0	7.6E1	0.616
12831	9302	Sisma X SLV	15.4	0	0	0	6.3E1	0.616	12832	9302	Sisma Y SLV	0	15.4	0	0	6.3E1	0.616
12833	9302	Sisma X SLO	8.2	0	0	0	6.3E1	0.616	12834	9302	Sisma Y SLO	0	8.2	0	0	6.3E1	0.616
12835	9302	Sisma X SLD	6.8	0	0	0	6.3E1	0.616	12836	9302	Sisma Y SLD	0	6.8	0	0	6.3E1	0.616
12837	9303	Sisma X SLV	38.1	0	0	0	1.5E2	0.617	12838	9303	Sisma Y SLV	0	38.1	0	0	1.5E2	0.617
12839	9303	Sisma X SLO	20.3	0	0	0	1.5E2	0.617	12840	9303	Sisma Y SLO	0	20.3	0	0	1.5E2	0.617
12841	9303	Sisma X SLD	16.9	0	0	0	1.5E2	0.617	12842	9303	Sisma Y SLD	0	16.9	0	0	1.5E2	0.617
12843	9304	Sisma X SLV	40.9	0	0	0	1.7E2	0.617	12844	9304	Sisma Y SLV	0	40.9	0	0	1.7E2	0.617
12845	9304	Sisma X SLO	21.8	0	0	0	1.7E2	0.617	12846	9304	Sisma Y SLO	0	21.8	0	0	1.7E2	0.617
12847	9304	Sisma X SLD	18.1	0	0	0	1.7E2	0.617	12848	9304	Sisma Y SLD	0	18.1	0	0	1.7E2	0.617
12849	9305	Sisma X SLV	40.8	0	0	0	1.7E2	0.618	12850	9305	Sisma Y SLV	0	40.8	0	0	1.7E2	0.618
12851	9305	Sisma X SLO	21.8	0	0	0	1.7E2	0.618	12852	9305	Sisma Y SLO	0	21.8	0	0	1.7E2	0.618
12853	9305	Sisma X SLD	18.1	0	0	0	1.7E2	0.618	12854	9305	Sisma Y SLD	0	18.1	0	0	1.7E2	0.618
12855	9306	Sisma X SLV	9.8	0	0	0	4.0E1	0.618	12856	9306	Sisma Y SLV	0	9.8	0	0	4.0E1	0.618
12857	9306	Sisma X SLO	5.2	0	0	0	4.0E1	0.618	12858	9306	Sisma Y SLO	0	5.2	0	0	4.0E1	0.618
12859	9306	Sisma X SLD	4.3	0	0	0	4.0E1	0.618	12860	9306	Sisma Y SLD	0	4.3	0	0	4.0E1	0.618
12861	9307	Sisma X SLV	37.1	0	0	0	150	0.618	12862	9307	Sisma Y SLV	0	37.1	0	0	150	0.618
12863	9307	Sisma X SLO	19.8	0	0	0	150	0.618	12864	9307	Sisma Y SLO	0	19.8	0	0	150	0.618
12865	9307	Sisma X SLD	16.4	0	0	0	150	0.618	12866	9307	Sisma Y SLD	0	16.4	0	0	150	0.618
12867	9308	Sisma X SLV	40.8	0	0	0	1.7E2	0.618	12868	9308	Sisma Y SLV	0	40.8	0	0	1.7E2	0.618
12869	9308	Sisma X SLO	21.8	0	0	0	1.7E2	0.618	12870	9308	Sisma Y SLO	0	21.8	0	0	1.7E2	0.618
12871	9308	Sisma X SLD	18.1	0	0	0	1.7E2	0.618	12872	9308	Sisma Y SLD	0	18.1	0	0	1.7E2	0.618
12873	9309	Sisma X SLV	37.3	0	0	0	1.5E2	0.618	12874	9309	Sisma Y SLV	0	37.3	0	0	1.5E2	0.618
12875	9309	Sisma X SLO	19.9	0	0	0	1.5E2	0.618	12876	9309	Sisma Y SLO	0	19.9	0	0	1.5E2	0.618
12877	9309	Sisma X SLD	16.5	0	0	0	1.5E2	0.618	12878	9309	Sisma Y SLD	0	16.5	0	0	1.5E2	0.618
12879	9310	Sisma X SLV	26.7	0	0	0	1.1E2	0.619	12880	9310	Sisma Y SLV	0	26.7	0	0	1.1E2	0.619
12881	9310	Sisma X SLO	14.3	0	0	0	1.1E2	0.619	12882	9310	Sisma Y SLO	0	14.3	0	0	1.1E2	0.619
12883	9310	Sisma X SLD	11.8	0	0	0	1.1E2	0.619	12884	9310	Sisma Y SLD	0	11.8	0	0	1.1E2	0.619
12885	9311	Sisma X SLV	40.8	0	0	0	164.8	0.619	12886	9311	Sisma Y SLV	0	40.8	0	0	164.8	0.619
12887	9311	Sisma X SLO	21.7	0	0	0	164.8	0.619	12888	9311	Sisma Y SLO	0	21.7	0	0	164.8	0.619
12889	9311	Sisma X SLD	18	0	0	0	164.8	0.619	12890	9311	Sisma Y SLD	0	18	0	0	164.8	0.619
12891	9312	Sisma X SLV	35.6	0	0	0	1.4E2	0.62	12892	9312	Sisma Y SLV	0	35.6	0	0	1.4E2	0.62
12893	9312	Sisma X SLO	19	0	0	0	1.4E2	0.62	12894	9312	Sisma Y SLO	0	19	0	0	1.4E2	0.62
12895	9312	Sisma X SLD	15.8	0	0	0	1.4E2	0.62	12896	9312	Sisma Y SLD	0	15.8	0	0	1.4E2	0.62
12897	9313	Sisma X SLV	40.7	0	0	0	1.6E2	0.62	12898	9313	Sisma Y SLV	0	40.7	0	0	1.6E2	0.62
12899	9313	Sisma X SLO	21.7	0	0	0	1.6E2	0.62	12900	9313	Sisma Y SLO	0	21.7	0	0	1.6E2	0.62
12901	9313	Sisma X SLD	18	0	0	0	1.6E2	0.62	12902	9313	Sisma Y SLD	0	18	0	0	1.6E2	0.62
12903	9314	Sisma X SLV	35.3	0	0	0	1.4E2	0.62	12904	9314	Sisma Y SLV	0	35.3	0	0	1.4E2	0.62
12905	9314	Sisma X SLO	18.8	0	0	0	1.4E2	0.62	12906	9314	Sisma Y SLO	0	18.8	0	0	1.4E2	0.62
12907	9314	Sisma X SLD	15.6	0	0	0	1.4E2	0.62	12908	9314	Sisma Y SLD	0	15.6	0	0	1.4E2	0.62
12909	9315	Sisma X SLV	34.8	0	0	0	1.4E2	0.62	12910	9315	Sisma Y SLV	0	34.8	0	0	1.4E2	0.62
12911	9315	Sisma X SLO	18.5	0	0	0	1.4E2	0.62	12912	9315	Sisma Y SLO	0	18.5	0	0	1.4E2	0.62

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
12913	9315	Sisma X SLD	15.4	0	0	0	1.4E2	0.62	12914	9315	Sisma Y SLD	0	15.4	0	0	1.4E2	0.62
12915	9316	Sisma X SLV	16.1	0	0	0	6.5E1	0.62	12916	9316	Sisma Y SLV	0	16.1	0	0	6.5E1	0.62
12917	9316	Sisma X SLO	8.6	0	0	0	6.5E1	0.62	12918	9316	Sisma Y SLO	0	8.6	0	0	6.5E1	0.62
12919	9316	Sisma X SLD	7.1	0	0	0	6.5E1	0.62	12920	9316	Sisma Y SLD	0	7.1	0	0	6.5E1	0.62
12921	9317	Sisma X SLV	34.7	0	0	0	1.4E2	0.62	12922	9317	Sisma Y SLV	0	34.7	0	0	1.4E2	0.62
12923	9317	Sisma X SLO	18.5	0	0	0	1.4E2	0.62	12924	9317	Sisma Y SLO	0	18.5	0	0	1.4E2	0.62
12925	9317	Sisma X SLD	15.4	0	0	0	1.4E2	0.62	12926	9317	Sisma Y SLD	0	15.4	0	0	1.4E2	0.62
12927	9318	Sisma X SLV	40.7	0	0	0	1.6E2	0.62	12928	9318	Sisma Y SLV	0	40.7	0	0	1.6E2	0.62
12929	9318	Sisma X SLO	21.7	0	0	0	1.6E2	0.62	12930	9318	Sisma Y SLO	0	21.7	0	0	1.6E2	0.62
12931	9318	Sisma X SLD	18	0	0	0	1.6E2	0.62	12932	9318	Sisma Y SLD	0	18	0	0	1.6E2	0.62
12933	9319	Sisma X SLV	12.1	0	0	0	4.9E1	0.62	12934	9319	Sisma Y SLV	0	12.1	0	0	4.9E1	0.62
12935	9319	Sisma X SLO	6.5	0	0	0	4.9E1	0.62	12936	9319	Sisma Y SLO	0	6.5	0	0	4.9E1	0.62
12937	9319	Sisma X SLD	5.4	0	0	0	4.9E1	0.62	12938	9319	Sisma Y SLD	0	5.4	0	0	4.9E1	0.62
12939	9320	Sisma X SLV	11.5	0	0	0	4.6E1	0.621	12940	9320	Sisma Y SLV	0	11.5	0	0	4.6E1	0.621
12941	9320	Sisma X SLO	6.1	0	0	0	4.6E1	0.621	12942	9320	Sisma Y SLO	0	6.1	0	0	4.6E1	0.621
12943	9320	Sisma X SLD	5.1	0	0	0	4.6E1	0.621	12944	9320	Sisma Y SLD	0	5.1	0	0	4.6E1	0.621
12945	9321	Sisma X SLV	40.7	0	0	0	1.6E2	0.621	12946	9321	Sisma Y SLV	0	40.7	0	0	1.6E2	0.621
12947	9321	Sisma X SLO	21.7	0	0	0	1.6E2	0.621	12948	9321	Sisma Y SLO	0	21.7	0	0	1.6E2	0.621
12949	9321	Sisma X SLD	18	0	0	0	1.6E2	0.621	12950	9321	Sisma Y SLD	0	18	0	0	1.6E2	0.621
12951	9322	Sisma X SLV	18.8	0	0	0	7.6E1	0.622	12952	9322	Sisma Y SLV	0	18.8	0	0	7.6E1	0.622
12953	9322	Sisma X SLO	10	0	0	0	7.6E1	0.622	12954	9322	Sisma Y SLO	0	10	0	0	7.6E1	0.622
12955	9322	Sisma X SLD	8.3	0	0	0	7.6E1	0.622	12956	9322	Sisma Y SLD	0	8.3	0	0	7.6E1	0.622
12957	9323	Sisma X SLV	29.6	0	0	0	1.2E2	0.622	12958	9323	Sisma Y SLV	0	29.6	0	0	1.2E2	0.622
12959	9323	Sisma X SLO	15.8	0	0	0	1.2E2	0.622	12960	9323	Sisma Y SLO	0	15.8	0	0	1.2E2	0.622
12961	9323	Sisma X SLD	13.1	0	0	0	1.2E2	0.622	12962	9323	Sisma Y SLD	0	13.1	0	0	1.2E2	0.622
12963	9324	Sisma X SLV	40.7	0	0	0	1.6E2	0.622	12964	9324	Sisma Y SLV	0	40.7	0	0	1.6E2	0.622
12965	9324	Sisma X SLO	21.7	0	0	0	1.6E2	0.622	12966	9324	Sisma Y SLO	0	21.7	0	0	1.6E2	0.622
12967	9324	Sisma X SLD	18	0	0	0	1.6E2	0.622	12968	9324	Sisma Y SLD	0	18	0	0	1.6E2	0.622
12969	9325	Sisma X SLV	10.3	0	0	0	4.1E1	0.623	12970	9325	Sisma Y SLV	0	10.3	0	0	4.1E1	0.623
12971	9325	Sisma X SLO	5.5	0	0	0	4.1E1	0.623	12972	9325	Sisma Y SLO	0	5.5	0	0	4.1E1	0.623
12973	9325	Sisma X SLD	4.6	0	0	0	4.1E1	0.623	12974	9325	Sisma Y SLD	0	4.6	0	0	4.1E1	0.623
12975	9326	Sisma X SLV	40.9	0	0	0	1.6E2	0.623	12976	9326	Sisma Y SLV	0	40.9	0	0	1.6E2	0.623
12977	9326	Sisma X SLO	21.8	0	0	0	1.6E2	0.623	12978	9326	Sisma Y SLO	0	21.8	0	0	1.6E2	0.623
12979	9326	Sisma X SLD	18.1	0	0	0	1.6E2	0.623	12980	9326	Sisma Y SLD	0	18.1	0	0	1.6E2	0.623
12981	9327	Sisma X SLV	11.3	0	0	0	4.5E1	0.624	12982	9327	Sisma Y SLV	0	11.3	0	0	4.5E1	0.624
12983	9327	Sisma X SLO	6	0	0	0	4.5E1	0.624	12984	9327	Sisma Y SLO	0	6	0	0	4.5E1	0.624
12985	9327	Sisma X SLD	5	0	0	0	4.5E1	0.624	12986	9327	Sisma Y SLD	0	5	0	0	4.5E1	0.624
12987	9328	Sisma X SLV	30.5	0	0	0	1.2E2	0.625	12988	9328	Sisma Y SLV	0	30.5	0	0	1.2E2	0.625
12989	9328	Sisma X SLO	16.3	0	0	0	1.2E2	0.625	12990	9328	Sisma Y SLO	0	16.3	0	0	1.2E2	0.625
12991	9328	Sisma X SLD	13.5	0	0	0	1.2E2	0.625	12992	9328	Sisma Y SLD	0	13.5	0	0	1.2E2	0.625
12993	9329	Sisma X SLV	41.8	0	0	0	1.7E2	0.626	12994	9329	Sisma Y SLV	0	41.8	0	0	1.7E2	0.626
12995	9329	Sisma X SLO	22.3	0	0	0	1.7E2	0.626	12996	9329	Sisma Y SLO	0	22.3	0	0	1.7E2	0.626
12997	9329	Sisma X SLD	18.5	0	0	0	1.7E2	0.626	12998	9329	Sisma Y SLD	0	18.5	0	0	1.7E2	0.626
12999	9330	Sisma X SLV	10.2	0	0	0	4.1E1	0.626	13000	9330	Sisma Y SLV	0	10.2	0	0	4.1E1	0.626
13001	9330	Sisma X SLO	5.4	0	0	0	4.1E1	0.626	13002	9330	Sisma Y SLO	0	5.4	0	0	4.1E1	0.626
13003	9330	Sisma X SLD	4.5	0	0	0	4.1E1	0.626	13004	9330	Sisma Y SLD	0	4.5	0	0	4.1E1	0.626
13005	9331	Sisma X SLV	15.1	0	0	0	6.0E1	0.627	13006	9331	Sisma Y SLV	0	15.1	0	0	6.0E1	0.627
13007	9331	Sisma X SLO	8	0	0	0	6.0E1	0.627	13008	9331	Sisma Y SLO	0	8	0	0	6.0E1	0.627
13009	9331	Sisma X SLD	6.7	0	0	0	6.0E1	0.627	13010	9331	Sisma Y SLD	0	6.7	0	0	6.0E1	0.627
13011	9332	Sisma X SLV	33	0	0	0	1.3E2	0.628	13012	9332	Sisma Y SLV	0	33	0	0	1.3E2	0.628
13013	9332	Sisma X SLO	17.6	0	0	0	1.3E2	0.628	13014	9332	Sisma Y SLO	0	17.6	0	0	1.3E2	0.628
13015	9332	Sisma X SLD	14.6	0	0	0	1.3E2	0.628	13016	9332	Sisma Y SLD	0	14.6	0	0	1.3E2	0.628
13017	9333	Sisma X SLV	17.4	0	0	0	6.9E1	0.628	13018	9333	Sisma Y SLV	0	17.4	0	0	6.9E1	0.628
13019	9333	Sisma X SLO	9.3	0	0	0	6.9E1	0.628	13020	9333	Sisma Y SLO	0	9.3	0	0	6.9E1	0.628
13021	9333	Sisma X SLD	7.7	0	0	0	6.9E1	0.628	13022	9333	Sisma Y SLD	0	7.7	0	0	6.9E1	0.628
13023	9334	Sisma X SLV	40.4	0	0	0	1.6E2	0.628	13024	9334	Sisma Y SLV	0	40.4	0	0	1.6E2	0.628
13025	9334	Sisma X SLO	21.5	0	0	0	1.6E2	0.628	13026	9334	Sisma Y SLO	0	21.5	0	0	1.6E2	0.628
13027	9334	Sisma X SLD	17.9	0	0	0	1.6E2	0.628	13028	9334	Sisma Y SLD	0	17.9	0	0	1.6E2	0.628
13029	9335	Sisma X SLV	27.5	0	0	0	1.1E2	0.629	13030	9335	Sisma Y SLV	0	27.5	0	0	1.1E2	0.629
13031	9335	Sisma X SLO	14.6	0	0	0	1.1E2	0.629	13032	9335	Sisma Y SLO	0	14.6	0	0	1.1E2	0.629
13033	9335	Sisma X SLD	12.2	0	0	0	1.1E2	0.629	13034	9335	Sisma Y SLD	0	12.2	0	0	1.1E2	0.629
13035	9336	Sisma X SLV	14.7	0	0	0	5.8E1	0.629	13036	9336	Sisma Y SLV	0	14.7	0	0	5.8E1	0.629
13037	9336	Sisma X SLO	7.8	0	0	0	5.8E1	0.629	13038	9336	Sisma Y SLO	0	7.8	0	0	5.8E1	0.629
13039	9336	Sisma X SLD	6.5	0	0	0	5.8E1	0.629	13040	9336	Sisma Y SLD	0	6.5	0	0	5.8E1	0.629
13041	9337	Sisma X SLV	17.4	0	0	0	6.9E1	0.629	13042	9337	Sisma Y SLV	0	17.4	0	0	6.9E1	0.629
13043	9337	Sisma X SLO	9.3	0	0	0	6.9E1	0.629	13044	9337	Sisma Y SLO	0	9.3	0	0	6.9E1	0.629
13045	9337	Sisma X SLD	7.7	0	0	0	6.9E1	0.629	13046	9337	Sisma Y SLD	0	7.7	0	0	6.9E1	0.629
13047	9338	Sisma X SLV	16.2	0	0	0	6.4E1	0.629	13048	9338	Sisma Y SLV	0	16.2	0	0	6.4E1	0.629
13049	9338	Sisma X SLO	8.6	0	0	0	6.4E1	0.629	13050	9338	Sisma Y SLO	0	8.6	0	0	6.4E1	0.629
13051	9338	Sisma X SLD	7.2	0	0	0	6.4E1	0.629	13052	9338	Sisma Y SLD	0	7.2	0	0	6.4E1	0.629
13053	9339	Sisma X SLV	12.1	0	0	0	4.8E1	0.631	13054	9339	Sisma Y SLV	0	12.1	0	0	4.8E1	0.631
13055	9339	Sisma X SLO	6.4	0	0	0	4.8E1	0.631	13056	9339	Sisma Y SLO	0	6.4	0	0	4.8E1	0.631
13057	9339	Sisma X SLD	5.3	0	0	0	4.8E1	0.631	13058	9339	Sisma Y SLD	0	5.3	0	0	4.8E1	0.631
13059	9340	Sisma X SLV	15.6	0	0	0	6.2E1	0.631	13060	9340	Sisma Y SLV	0	15.6	0	0	6.2E1	0.631
13061	9340	Sisma X SLO	8.3	0	0	0	6.2E1	0.631	13062	9340	Sisma Y SLO	0	8.3	0	0	6.2E1	0.631
13063	9340	Sisma X SLD	6.9	0	0	0	6.2E1	0.631	13064	9340	Sisma Y SLD	0	6.9	0	0	6.2E1	0.631
13065	9341	Sisma X SLV	31.1	0	0	0	1.2E2	0.631	13066	9341	Sisma Y SLV	0	31.1	0	0	1.2E2	0.631
13067	9341	Sisma X SLO	16.6	0	0	0	1.2E2	0.631	13068	9341	Sisma Y SLO	0	16.6	0	0	1.2E2	0.631
13069	9341	Sisma X SLD	13.8	0	0	0	1.2E2	0.631	13070	9341	Sisma Y SLD	0	13.8	0	0	1.2E2	0.631
13071	9342	Sisma X SLV	15.6	0	0	0	6.2E1	0.631	13072	9342	Sisma Y SLV	0	15.6	0	0	6.2E1	0.631
13073	9342	Sisma X SLO	8.3	0	0	0	6.2E1	0.631	13074	9342	Sisma Y SLO	0	8.3	0	0	6.2E1	0.631
13075	9342	Sisma X SLD	6.9	0	0	0	6.2E1	0.631	13076	9342	Sisma Y SLD	0	6.9	0	0	6.2E1	0.631
13077	9343	Sisma X SLV	31.1	0	0	0	1.2E2	0.631	13078	9343	Sisma Y SLV	0	31.1	0	0	1.2E2	0.631
13079	9343	Sisma X SLO	16.6	0	0	0	1.2E2	0.631	13080	9343	Sisma Y SLO	0	16.6	0	0	1.2E2	0.631
13081	9343	Sisma X SLD	13.8	0	0	0	1.2E2	0.631	13082	9343	Sisma Y SLD	0	13.8	0	0	1.2E2	0.631
13083	9344	Sisma X SLV	53	0	0	0	2.1E2	0.631	13084	9344	Sisma Y SLV	0	53	0	0	2.1E2	0.631
13085	9344	Sisma X SLO	28.2	0	0	0	2.1E2	0.631	13086	9344	Sisma Y SLO	0	28.2	0	0	2.1E2	0.631
13087	9344	Sisma X SLD	23.4	0	0	0	2.1E2	0.631	13088	9344	Sisma Y SLD	0	23.4	0	0	2.1E2	0.631
13089	9345	Sisma X SLV	27.6	0	0	0	1.1E2	0.631	13090	9345	Sisma Y SLV	0	27.6	0	0	1.1E2	0.631
13091	9345	Sisma X SLO	14.7	0	0	0	1.1E2	0.631	13092	9345	Sisma Y SLO	0	14.7	0	0	1.1E2	0.631
13093	9345	Sisma X SLD	12.2	0	0	0	1.1E2	0.631	13094	9345	Sisma Y SLD	0	12.2	0	0	1.1E2	0.631
13095	9346	Sisma X SLV	12.4	0	0	0	4.9E1	0.632	13096	9346	Sisma Y SLV	0	12.4	0	0	4.9E1	0.632
13097	9346	Sisma X SLO	6.6	0	0	0	4.9E1	0.632	13098	9346	Sisma Y SLO	0	6.6	0	0	4.9E1	0.632
13099	9346	Sisma X SLD	5.5	0	0	0	4.9E1	0.632	13100	9346	Sisma Y SLD	0	5.5	0	0	4.9E1	0.632
13101	9347	Sisma X SLV	36	0	0	0	1.4E2	0.634	13102	9347	Sisma Y SLV	0	36	0	0	1.4E2	0.634
13103	9347	Sisma X SLO	19.2	0	0	0	1.4E2	0.634	13104	9347	Sisma Y SLO	0	19.2	0	0	1.4E2	0.634
13105	9347	Sisma X SLD	15.9	0	0	0	1.4E2	0.634	13106	9347	Sisma Y SLD	0	15.9	0	0	1.4E2	0.634
13107	9348	Sisma X SLV	10.8	0	0	0	4.2E1	0.634	13108	9348	Sisma Y SLV	0	10.8	0	0	4.2E1	0.634
13109	9348	Sisma X SLO	5.7	0	0	0	4.2E1	0.634	13110	9348	Sisma Y SLO	0	5.7	0	0	4.2E1	0.634
13111	9348	Sisma X SLD	4.8	0	0	0	4.2E1	0.634	13112	9348	Sisma Y SLD	0	4.8	0	0	4.2E1	0.634

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
13113	9349	Sisma X SLV	43	0	0	0	1.7E2	0.635	13114	9349	Sisma Y SLV	0	43	0	0	1.7E2	0.635
13115	9349	Sisma X SLO	22.9	0	0	0	1.7E2	0.635	13116	9349	Sisma Y SLO	0	22.9	0	0	1.7E2	0.635
13117	9349	Sisma X SLD	19	0	0	0	1.7E2	0.635	13118	9349	Sisma Y SLD	0	19	0	0	1.7E2	0.635
13119	9350	Sisma X SLV	28.7	0	0	0	1.1E2	0.636	13120	9350	Sisma Y SLV	0	28.7	0	0	1.1E2	0.636
13121	9350	Sisma X SLO	15.3	0	0	0	1.1E2	0.636	13122	9350	Sisma Y SLO	0	15.3	0	0	1.1E2	0.636
13123	9350	Sisma X SLD	12.7	0	0	0	1.1E2	0.636	13124	9350	Sisma Y SLD	0	12.7	0	0	1.1E2	0.636
13125	9351	Sisma X SLV	13.3	0	0	0	5.2E1	0.637	13126	9351	Sisma Y SLV	0	13.3	0	0	5.2E1	0.637
13127	9351	Sisma X SLO	7.1	0	0	0	5.2E1	0.637	13128	9351	Sisma Y SLO	0	7.1	0	0	5.2E1	0.637
13129	9351	Sisma X SLD	5.9	0	0	0	5.2E1	0.637	13130	9351	Sisma Y SLD	0	5.9	0	0	5.2E1	0.637
13131	9352	Sisma X SLV	34.2	0	0	0	1.3E2	0.637	13132	9352	Sisma Y SLV	0	34.2	0	0	1.3E2	0.637
13133	9352	Sisma X SLO	18.3	0	0	0	1.3E2	0.637	13134	9352	Sisma Y SLO	0	18.3	0	0	1.3E2	0.637
13135	9352	Sisma X SLD	15.2	0	0	0	1.3E2	0.637	13136	9352	Sisma Y SLD	0	15.2	0	0	1.3E2	0.637
13137	9353	Sisma X SLV	14.8	0	0	0	5.8E1	0.638	13138	9353	Sisma Y SLV	0	14.8	0	0	5.8E1	0.638
13139	9353	Sisma X SLO	7.9	0	0	0	5.8E1	0.638	13140	9353	Sisma Y SLO	0	7.9	0	0	5.8E1	0.638
13141	9353	Sisma X SLD	6.5	0	0	0	5.8E1	0.638	13142	9353	Sisma Y SLD	0	6.5	0	0	5.8E1	0.638
13143	9354	Sisma X SLV	40.9	0	0	0	1.6E2	0.638	13144	9354	Sisma Y SLV	0	40.9	0	0	1.6E2	0.638
13145	9354	Sisma X SLO	21.8	0	0	0	1.6E2	0.638	13146	9354	Sisma Y SLO	0	21.8	0	0	1.6E2	0.638
13147	9354	Sisma X SLD	18.1	0	0	0	1.6E2	0.638	13148	9354	Sisma Y SLD	0	18.1	0	0	1.6E2	0.638
13149	9355	Sisma X SLV	30.5	0	0	0	1.2E2	0.639	13150	9355	Sisma Y SLV	0	30.5	0	0	1.2E2	0.639
13151	9355	Sisma X SLO	16.3	0	0	0	1.2E2	0.639	13152	9355	Sisma Y SLO	0	16.3	0	0	1.2E2	0.639
13153	9355	Sisma X SLD	13.5	0	0	0	1.2E2	0.639	13154	9355	Sisma Y SLD	0	13.5	0	0	1.2E2	0.639
13155	9356	Sisma X SLV	34.5	0	0	0	1.4E2	0.639	13156	9356	Sisma Y SLV	0	34.5	0	0	1.4E2	0.639
13157	9356	Sisma X SLO	18.4	0	0	0	1.4E2	0.639	13158	9356	Sisma Y SLO	0	18.4	0	0	1.4E2	0.639
13159	9356	Sisma X SLD	15.3	0	0	0	1.4E2	0.639	13160	9356	Sisma Y SLD	0	15.3	0	0	1.4E2	0.639
13161	9357	Sisma X SLV	35.3	0	0	0	1.4E2	0.639	13162	9357	Sisma Y SLV	0	35.3	0	0	1.4E2	0.639
13163	9357	Sisma X SLO	18.8	0	0	0	1.4E2	0.639	13164	9357	Sisma Y SLO	0	18.8	0	0	1.4E2	0.639
13165	9357	Sisma X SLD	15.6	0	0	0	1.4E2	0.639	13166	9357	Sisma Y SLD	0	15.6	0	0	1.4E2	0.639
13167	9358	Sisma X SLV	37.8	0	0	0	1.5E2	0.64	13168	9358	Sisma Y SLV	0	37.8	0	0	1.5E2	0.64
13169	9358	Sisma X SLO	20.1	0	0	0	1.5E2	0.64	13170	9358	Sisma Y SLO	0	20.1	0	0	1.5E2	0.64
13171	9358	Sisma X SLD	16.7	0	0	0	1.5E2	0.64	13172	9358	Sisma Y SLD	0	16.7	0	0	1.5E2	0.64
13173	9359	Sisma X SLV	43.1	0	0	0	1.7E2	0.641	13174	9359	Sisma Y SLV	0	43.1	0	0	1.7E2	0.641
13175	9359	Sisma X SLO	23	0	0	0	1.7E2	0.641	13176	9359	Sisma Y SLO	0	23	0	0	1.7E2	0.641
13177	9359	Sisma X SLD	19.1	0	0	0	1.7E2	0.641	13178	9359	Sisma Y SLD	0	19.1	0	0	1.7E2	0.641
13179	9360	Sisma X SLV	32.5	0	0	0	1.3E2	0.641	13180	9360	Sisma Y SLV	0	32.5	0	0	1.3E2	0.641
13181	9360	Sisma X SLO	17.3	0	0	0	1.3E2	0.641	13182	9360	Sisma Y SLO	0	17.3	0	0	1.3E2	0.641
13183	9360	Sisma X SLD	14.4	0	0	0	1.3E2	0.641	13184	9360	Sisma Y SLD	0	14.4	0	0	1.3E2	0.641
13185	9361	Sisma X SLV	35.3	0	0	0	1.4E2	0.641	13186	9361	Sisma Y SLV	0	35.3	0	0	1.4E2	0.641
13187	9361	Sisma X SLO	18.8	0	0	0	1.4E2	0.641	13188	9361	Sisma Y SLO	0	18.8	0	0	1.4E2	0.641
13189	9361	Sisma X SLD	15.6	0	0	0	1.4E2	0.641	13190	9361	Sisma Y SLD	0	15.6	0	0	1.4E2	0.641
13191	9362	Sisma X SLV	16.1	0	0	0	6.3E1	0.642	13192	9362	Sisma Y SLV	0	16.1	0	0	6.3E1	0.642
13193	9362	Sisma X SLO	8.6	0	0	0	6.3E1	0.642	13194	9362	Sisma Y SLO	0	8.6	0	0	6.3E1	0.642
13195	9362	Sisma X SLD	7.1	0	0	0	6.3E1	0.642	13196	9362	Sisma Y SLD	0	7.1	0	0	6.3E1	0.642
13197	9363	Sisma X SLV	17.5	0	0	0	6.8E1	0.643	13198	9363	Sisma Y SLV	0	17.5	0	0	6.8E1	0.643
13199	9363	Sisma X SLO	9.3	0	0	0	6.8E1	0.643	13200	9363	Sisma Y SLO	0	9.3	0	0	6.8E1	0.643
13201	9363	Sisma X SLD	7.7	0	0	0	6.8E1	0.643	13202	9363	Sisma Y SLD	0	7.7	0	0	6.8E1	0.643
13203	9364	Sisma X SLV	13.7	0	0	0	5.3E1	0.644	13204	9364	Sisma Y SLV	0	13.7	0	0	5.3E1	0.644
13205	9364	Sisma X SLO	7.3	0	0	0	5.3E1	0.644	13206	9364	Sisma Y SLO	0	7.3	0	0	5.3E1	0.644
13207	9364	Sisma X SLD	6.1	0	0	0	5.3E1	0.644	13208	9364	Sisma Y SLD	0	6.1	0	0	5.3E1	0.644
13209	9365	Sisma X SLV	13	0	0	0	5.0E1	0.648	13210	9365	Sisma Y SLV	0	13	0	0	5.0E1	0.648
13211	9365	Sisma X SLO	7	0	0	0	5.0E1	0.648	13212	9365	Sisma Y SLO	0	7	0	0	5.0E1	0.648
13213	9365	Sisma X SLD	5.8	0	0	0	5.0E1	0.648	13214	9365	Sisma Y SLD	0	5.8	0	0	5.0E1	0.648
13215	9366	Sisma X SLV	34.1	0	0	0	1.3E2	0.648	13216	9366	Sisma Y SLV	0	34.1	0	0	1.3E2	0.648
13217	9366	Sisma X SLO	18.2	0	0	0	1.3E2	0.648	13218	9366	Sisma Y SLO	0	18.2	0	0	1.3E2	0.648
13219	9366	Sisma X SLD	15.1	0	0	0	1.3E2	0.648	13220	9366	Sisma Y SLD	0	15.1	0	0	1.3E2	0.648
13221	9367	Sisma X SLV	23.2	0	0	0	9.0E1	0.648	13222	9367	Sisma Y SLV	0	23.2	0	0	9.0E1	0.648
13223	9367	Sisma X SLO	12.4	0	0	0	9.0E1	0.648	13224	9367	Sisma Y SLO	0	12.4	0	0	9.0E1	0.648
13225	9367	Sisma X SLD	10.3	0	0	0	9.0E1	0.648	13226	9367	Sisma Y SLD	0	10.3	0	0	9.0E1	0.648
13227	9368	Sisma X SLV	20.5	0	0	0	7.9E1	0.649	13228	9368	Sisma Y SLV	0	20.5	0	0	7.9E1	0.649
13229	9368	Sisma X SLO	10.9	0	0	0	7.9E1	0.649	13230	9368	Sisma Y SLO	0	10.9	0	0	7.9E1	0.649
13231	9368	Sisma X SLD	9.1	0	0	0	7.9E1	0.649	13232	9368	Sisma Y SLD	0	9.1	0	0	7.9E1	0.649
13233	9369	Sisma X SLV	32.9	0	0	0	1.3E2	0.649	13234	9369	Sisma Y SLV	0	32.9	0	0	1.3E2	0.649
13235	9369	Sisma X SLO	17.6	0	0	0	1.3E2	0.649	13236	9369	Sisma Y SLO	0	17.6	0	0	1.3E2	0.649
13237	9369	Sisma X SLD	14.6	0	0	0	1.3E2	0.649	13238	9369	Sisma Y SLD	0	14.6	0	0	1.3E2	0.649
13239	9370	Sisma X SLV	31.7	0	0	0	1.2E2	0.65	13240	9370	Sisma Y SLV	0	31.7	0	0	1.2E2	0.65
13241	9370	Sisma X SLO	16.9	0	0	0	1.2E2	0.65	13242	9370	Sisma Y SLO	0	16.9	0	0	1.2E2	0.65
13243	9370	Sisma X SLD	14	0	0	0	1.2E2	0.65	13244	9370	Sisma Y SLD	0	14	0	0	1.2E2	0.65
13245	9371	Sisma X SLV	14	0	0	0	5.4E1	0.65	13246	9371	Sisma Y SLV	0	14	0	0	5.4E1	0.65
13247	9371	Sisma X SLO	7.5	0	0	0	5.4E1	0.65	13248	9371	Sisma Y SLO	0	7.5	0	0	5.4E1	0.65
13249	9371	Sisma X SLD	6.2	0	0	0	5.4E1	0.65	13250	9371	Sisma Y SLD	0	6.2	0	0	5.4E1	0.65
13251	9372	Sisma X SLV	40.6	0	0	0	1.6E2	0.65	13252	9372	Sisma Y SLV	0	40.6	0	0	1.6E2	0.65
13253	9372	Sisma X SLO	21.6	0	0	0	1.6E2	0.65	13254	9372	Sisma Y SLO	0	21.6	0	0	1.6E2	0.65
13255	9372	Sisma X SLD	18	0	0	0	1.6E2	0.65	13256	9372	Sisma Y SLD	0	18	0	0	1.6E2	0.65
13257	9373	Sisma X SLV	33.3	0	0	0	1.3E2	0.65	13258	9373	Sisma Y SLV	0	33.3	0	0	1.3E2	0.65
13259	9373	Sisma X SLO	17.7	0	0	0	1.3E2	0.65	13260	9373	Sisma Y SLO	0	17.7	0	0	1.3E2	0.65
13261	9373	Sisma X SLD	14.7	0	0	0	1.3E2	0.65	13262	9373	Sisma Y SLD	0	14.7	0	0	1.3E2	0.65
13263	9374	Sisma X SLV	30.4	0	0	0	1.2E2	0.651	13264	9374	Sisma Y SLV	0	30.4	0	0	1.2E2	0.651
13265	9374	Sisma X SLO	16.2	0	0	0	1.2E2	0.651	13266	9374	Sisma Y SLO	0	16.2	0	0	1.2E2	0.651
13267	9374	Sisma X SLD	13.4	0	0	0	1.2E2	0.651	13268	9374	Sisma Y SLD	0	13.4	0	0	1.2E2	0.651
13269	9375	Sisma X SLV	33	0	0	0	1.3E2	0.651	13270	9375	Sisma Y SLV	0	33	0	0	1.3E2	0.651
13271	9375	Sisma X SLO	17.6	0	0	0	1.3E2	0.651	13272	9375	Sisma Y SLO	0	17.6	0	0	1.3E2	0.651
13273	9375	Sisma X SLD	14.6	0	0	0	1.3E2	0.651	13274	9375	Sisma Y SLD	0	14.6	0	0	1.3E2	0.651
13275	9376	Sisma X SLV	22.9	0	0	0	8.8E1	0.651	13276	9376	Sisma Y SLV	0	22.9	0	0	8.8E1	0.651
13277	9376	Sisma X SLO	12.2	0	0	0	8.8E1	0.651	13278	9376	Sisma Y SLO	0	12.2	0	0	8.8E1	0.651
13279	9376	Sisma X SLD	10.1	0	0	0	8.8E1	0.651	13280	9376	Sisma Y SLD	0	10.1	0	0	8.8E1	0.651
13281	9377	Sisma X SLV	13.7	0	0	0	5.3E1	0.651	13282	9377	Sisma Y SLV	0	13.7	0	0	5.3E1	0.651
13283	9377	Sisma X SLO	7.3	0	0	0	5.3E1	0.651	13284	9377	Sisma Y SLO	0	7.3	0	0	5.3E1	0.651
13285	9377	Sisma X SLD	6.1	0	0	0	5.3E1	0.651	13286	9377	Sisma Y SLD	0	6.1	0	0	5.3E1	0.651
13287	9378	Sisma X SLV	29.9	0	0	0	1.1E2	0.652	13288	9378	Sisma Y SLV	0	29.9	0	0	1.1E2	0.652
13289	9378	Sisma X SLO	15.9	0	0	0	1.1E2	0.652	13290	9378	Sisma Y SLO	0	15.9	0	0	1.1E2	0.652
13291	9378	Sisma X SLD	13.2	0	0	0	1.1E2	0.652	13292	9378	Sisma Y SLD	0	13.2	0	0	1.1E2	0.652
13293	9379	Sisma X SLV	28.4	0	0	0	1.1E2	0.652	13294	9379	Sisma Y SLV	0	28.4	0	0	1.1E2	0.652
13295	9379	Sisma X SLO	15.2	0	0	0	1.1E2	0.652	13296	9379	Sisma Y SLO	0	15.2	0	0	1.1E2	0.652
13297	9379	Sisma X SLD	12.6	0	0	0	1.1E2	0.652	13298	9379	Sisma Y SLD	0	12.6	0	0	1.1E2	0.652
13299	9380	Sisma X SLV	23.3	0	0	0	89.26	0.652	13300	9380	Sisma Y SLV	0	23.3	0	0	89.26	0.652
13301	9380	Sisma X SLO	12.4	0	0	0	89.26	0.652	13302	9380	Sisma Y SLO	0	12.4	0	0	89.26	0.652
13303	9380	Sisma X SLD	10.3	0	0	0	89.26	0.652	13304	9380	Sisma Y SLD	0	10.3	0	0	89.26	0.652
13305	9381	Sisma X SLV	30.5	0	0	0	1.2E2	0.652	13306	9381	Sisma Y SLV	0	30.5	0	0	1.2E2	0.652
13307	9381	Sisma X SLO	16.2	0	0	0	1.2E2	0.652	13308	9381	Sisma Y SLO	0	16.2	0	0	1.2E2	0.652
13309	9381	Sisma X SLD	13.5	0	0	0	1.2E2	0.652	13310	9381	Sisma Y SLD	0	13.5	0	0	1.2E2	0.652
13311	9382	Sisma X SLV	38.5	0	0	0	1.5E2	0.652	13312	9382	Sisma Y SLV	0	38.5	0	0	1.5E2	0.652

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
13313	9382	Sisma X SLO	20.5	0	0	0	1.5E2	0.652	13314	9382	Sisma Y SLO	0	20.5	0	0	1.5E2	0.652
13315	9382	Sisma X SLD	17	0	0	0	1.5E2	0.652	13316	9382	Sisma Y SLD	0	17	0	0	1.5E2	0.652
13317	9383	Sisma X SLV	28	0	0	0	1.1E2	0.652	13318	9383	Sisma Y SLV	0	28	0	0	1.1E2	0.652
13319	9383	Sisma X SLO	14.9	0	0	0	1.1E2	0.652	13320	9383	Sisma Y SLO	0	14.9	0	0	1.1E2	0.652
13321	9383	Sisma X SLD	12.4	0	0	0	1.1E2	0.652	13322	9383	Sisma Y SLD	0	12.4	0	0	1.1E2	0.652
13323	9384	Sisma X SLV	30.5	0	0	0	1.2E2	0.653	13324	9384	Sisma Y SLV	0	30.5	0	0	1.2E2	0.653
13325	9384	Sisma X SLO	16.2	0	0	0	1.2E2	0.653	13326	9384	Sisma Y SLO	0	16.2	0	0	1.2E2	0.653
13327	9384	Sisma X SLD	13.5	0	0	0	1.2E2	0.653	13328	9384	Sisma Y SLD	0	13.5	0	0	1.2E2	0.653
13329	9385	Sisma X SLV	29.7	0	0	0	1.1E2	0.653	13330	9385	Sisma Y SLV	0	29.7	0	0	1.1E2	0.653
13331	9385	Sisma X SLO	15.9	0	0	0	1.1E2	0.653	13332	9385	Sisma Y SLO	0	15.9	0	0	1.1E2	0.653
13333	9385	Sisma X SLD	13.2	0	0	0	1.1E2	0.653	13334	9385	Sisma Y SLD	0	13.2	0	0	1.1E2	0.653
13335	9386	Sisma X SLV	32	0	0	0	1.2E2	0.653	13336	9386	Sisma Y SLV	0	32	0	0	1.2E2	0.653
13337	9386	Sisma X SLO	17.1	0	0	0	1.2E2	0.653	13338	9386	Sisma Y SLO	0	17.1	0	0	1.2E2	0.653
13339	9386	Sisma X SLD	14.2	0	0	0	1.2E2	0.653	13340	9386	Sisma Y SLD	0	14.2	0	0	1.2E2	0.653
13341	9387	Sisma X SLV	29.7	0	0	0	1.1E2	0.654	13342	9387	Sisma Y SLV	0	29.7	0	0	1.1E2	0.654
13343	9387	Sisma X SLO	15.8	0	0	0	1.1E2	0.654	13344	9387	Sisma Y SLO	0	15.8	0	0	1.1E2	0.654
13345	9387	Sisma X SLD	13.1	0	0	0	1.1E2	0.654	13346	9387	Sisma Y SLD	0	13.1	0	0	1.1E2	0.654
13347	9388	Sisma X SLV	34.2	0	0	0	1.3E2	0.654	13348	9388	Sisma Y SLV	0	34.2	0	0	1.3E2	0.654
13349	9388	Sisma X SLO	18.2	0	0	0	1.3E2	0.654	13350	9388	Sisma Y SLO	0	18.2	0	0	1.3E2	0.654
13351	9388	Sisma X SLD	15.1	0	0	0	1.3E2	0.654	13352	9388	Sisma Y SLD	0	15.1	0	0	1.3E2	0.654
13353	9389	Sisma X SLV	30.3	0	0	0	1.2E2	0.655	13354	9389	Sisma Y SLV	0	30.3	0	0	1.2E2	0.655
13355	9389	Sisma X SLO	16.2	0	0	0	1.2E2	0.655	13356	9389	Sisma Y SLO	0	16.2	0	0	1.2E2	0.655
13357	9389	Sisma X SLD	13.4	0	0	0	1.2E2	0.655	13358	9389	Sisma Y SLD	0	13.4	0	0	1.2E2	0.655
13359	9390	Sisma X SLV	27.5	0	0	0	1.0E2	0.656	13360	9390	Sisma Y SLV	0	27.5	0	0	1.0E2	0.656
13361	9390	Sisma X SLO	14.6	0	0	0	1.0E2	0.656	13362	9390	Sisma Y SLO	0	14.6	0	0	1.0E2	0.656
13363	9390	Sisma X SLD	12.1	0	0	0	1.0E2	0.656	13364	9390	Sisma Y SLD	0	12.1	0	0	1.0E2	0.656
13365	9391	Sisma X SLV	26.5	0	0	0	1.0E2	0.656	13366	9391	Sisma Y SLV	0	26.5	0	0	1.0E2	0.656
13367	9391	Sisma X SLO	14.1	0	0	0	1.0E2	0.656	13368	9391	Sisma Y SLO	0	14.1	0	0	1.0E2	0.656
13369	9391	Sisma X SLD	11.7	0	0	0	1.0E2	0.656	13370	9391	Sisma Y SLD	0	11.7	0	0	1.0E2	0.656
13371	9392	Sisma X SLV	31.7	0	0	0	1.2E2	0.657	13372	9392	Sisma Y SLV	0	31.7	0	0	1.2E2	0.657
13373	9392	Sisma X SLO	16.9	0	0	0	1.2E2	0.657	13374	9392	Sisma Y SLO	0	16.9	0	0	1.2E2	0.657
13375	9392	Sisma X SLD	14	0	0	0	1.2E2	0.657	13376	9392	Sisma Y SLD	0	14	0	0	1.2E2	0.657
13377	9393	Sisma X SLV	27.8	0	0	0	1.1E2	0.657	13378	9393	Sisma Y SLV	0	27.8	0	0	1.1E2	0.657
13379	9393	Sisma X SLO	14.8	0	0	0	1.1E2	0.657	13380	9393	Sisma Y SLO	0	14.8	0	0	1.1E2	0.657
13381	9393	Sisma X SLD	12.3	0	0	0	1.1E2	0.657	13382	9393	Sisma Y SLD	0	12.3	0	0	1.1E2	0.657
13383	9394	Sisma X SLV	27.5	0	0	0	1.0E2	0.657	13384	9394	Sisma Y SLV	0	27.5	0	0	1.0E2	0.657
13385	9394	Sisma X SLO	14.6	0	0	0	1.0E2	0.657	13386	9394	Sisma Y SLO	0	14.6	0	0	1.0E2	0.657
13387	9394	Sisma X SLD	12.2	0	0	0	1.0E2	0.657	13388	9394	Sisma Y SLD	0	12.2	0	0	1.0E2	0.657
13389	9395	Sisma X SLV	33.9	0	0	0	1.3E2	0.657	13390	9395	Sisma Y SLV	0	33.9	0	0	1.3E2	0.657
13391	9395	Sisma X SLO	18.1	0	0	0	1.3E2	0.657	13392	9395	Sisma Y SLO	0	18.1	0	0	1.3E2	0.657
13393	9395	Sisma X SLD	15	0	0	0	1.3E2	0.657	13394	9395	Sisma Y SLD	0	15	0	0	1.3E2	0.657
13395	9396	Sisma X SLV	27.6	0	0	0	1.0E2	0.657	13396	9396	Sisma Y SLV	0	27.6	0	0	1.0E2	0.657
13397	9396	Sisma X SLO	14.7	0	0	0	1.0E2	0.657	13398	9396	Sisma Y SLO	0	14.7	0	0	1.0E2	0.657
13399	9396	Sisma X SLD	12.2	0	0	0	1.0E2	0.657	13400	9396	Sisma Y SLD	0	12.2	0	0	1.0E2	0.657
13401	9397	Sisma X SLV	25.7	0	0	0	9.8E1	0.658	13402	9397	Sisma Y SLV	0	25.7	0	0	9.8E1	0.658
13403	9397	Sisma X SLO	13.7	0	0	0	9.8E1	0.658	13404	9397	Sisma Y SLO	0	13.7	0	0	9.8E1	0.658
13405	9397	Sisma X SLD	11.4	0	0	0	9.8E1	0.658	13406	9397	Sisma Y SLD	0	11.4	0	0	9.8E1	0.658
13407	9398	Sisma X SLV	32.7	0	0	0	1.2E2	0.658	13408	9398	Sisma Y SLV	0	32.7	0	0	1.2E2	0.658
13409	9398	Sisma X SLO	17.4	0	0	0	1.2E2	0.658	13410	9398	Sisma Y SLO	0	17.4	0	0	1.2E2	0.658
13411	9398	Sisma X SLD	14.5	0	0	0	1.2E2	0.658	13412	9398	Sisma Y SLD	0	14.5	0	0	1.2E2	0.658
13413	9399	Sisma X SLV	20.5	0	0	0	7.8E1	0.658	13414	9399	Sisma Y SLV	0	20.5	0	0	7.8E1	0.658
13415	9399	Sisma X SLO	10.9	0	0	0	7.8E1	0.658	13416	9399	Sisma Y SLO	0	10.9	0	0	7.8E1	0.658
13417	9399	Sisma X SLD	9.1	0	0	0	7.8E1	0.658	13418	9399	Sisma Y SLD	0	9.1	0	0	7.8E1	0.658
13419	9400	Sisma X SLV	31	0	0	0	1.2E2	0.659	13420	9400	Sisma Y SLV	0	31	0	0	1.2E2	0.659
13421	9400	Sisma X SLO	16.5	0	0	0	1.2E2	0.659	13422	9400	Sisma Y SLO	0	16.5	0	0	1.2E2	0.659
13423	9400	Sisma X SLD	13.7	0	0	0	1.2E2	0.659	13424	9400	Sisma Y SLD	0	13.7	0	0	1.2E2	0.659
13425	9401	Sisma X SLV	34.4	0	0	0	1.3E2	0.659	13426	9401	Sisma Y SLV	0	34.4	0	0	1.3E2	0.659
13427	9401	Sisma X SLO	18.3	0	0	0	1.3E2	0.659	13428	9401	Sisma Y SLO	0	18.3	0	0	1.3E2	0.659
13429	9401	Sisma X SLD	15.2	0	0	0	1.3E2	0.659	13430	9401	Sisma Y SLD	0	15.2	0	0	1.3E2	0.659
13431	9402	Sisma X SLV	27.2	0	0	0	1.0E2	0.659	13432	9402	Sisma Y SLV	0	27.2	0	0	1.0E2	0.659
13433	9402	Sisma X SLO	14.5	0	0	0	1.0E2	0.659	13434	9402	Sisma Y SLO	0	14.5	0	0	1.0E2	0.659
13435	9402	Sisma X SLD	12	0	0	0	1.0E2	0.659	13436	9402	Sisma Y SLD	0	12	0	0	1.0E2	0.659
13437	9403	Sisma X SLV	31.3	0	0	0	1.2E2	0.659	13438	9403	Sisma Y SLV	0	31.3	0	0	1.2E2	0.659
13439	9403	Sisma X SLO	16.7	0	0	0	1.2E2	0.659	13440	9403	Sisma Y SLO	0	16.7	0	0	1.2E2	0.659
13441	9403	Sisma X SLD	13.9	0	0	0	1.2E2	0.659	13442	9403	Sisma Y SLD	0	13.9	0	0	1.2E2	0.659
13443	9404	Sisma X SLV	21.8	0	0	0	8.3E1	0.659	13444	9404	Sisma Y SLV	0	21.8	0	0	8.3E1	0.659
13445	9404	Sisma X SLO	11.6	0	0	0	8.3E1	0.659	13446	9404	Sisma Y SLO	0	11.6	0	0	8.3E1	0.659
13447	9404	Sisma X SLD	9.6	0	0	0	8.3E1	0.659	13448	9404	Sisma Y SLD	0	9.6	0	0	8.3E1	0.659
13449	9405	Sisma X SLV	25.5	0	0	0	9.7E1	0.659	13450	9405	Sisma Y SLV	0	25.5	0	0	9.7E1	0.659
13451	9405	Sisma X SLO	13.6	0	0	0	9.7E1	0.659	13452	9405	Sisma Y SLO	0	13.6	0	0	9.7E1	0.659
13453	9405	Sisma X SLD	11.3	0	0	0	9.7E1	0.659	13454	9405	Sisma Y SLD	0	11.3	0	0	9.7E1	0.659
13455	9406	Sisma X SLV	29.9	0	0	0	1.1E2	0.66	13456	9406	Sisma Y SLV	0	29.9	0	0	1.1E2	0.66
13457	9406	Sisma X SLO	15.9	0	0	0	1.1E2	0.66	13458	9406	Sisma Y SLO	0	15.9	0	0	1.1E2	0.66
13459	9406	Sisma X SLD	13.2	0	0	0	1.1E2	0.66	13460	9406	Sisma Y SLD	0	13.2	0	0	1.1E2	0.66
13461	9407	Sisma X SLV	29.9	0	0	0	1.1E2	0.66	13462	9407	Sisma Y SLV	0	29.9	0	0	1.1E2	0.66
13463	9407	Sisma X SLO	15.9	0	0	0	1.1E2	0.66	13464	9407	Sisma Y SLO	0	15.9	0	0	1.1E2	0.66
13465	9407	Sisma X SLD	13.2	0	0	0	1.1E2	0.66	13466	9407	Sisma Y SLD	0	13.2	0	0	1.1E2	0.66
13467	9408	Sisma X SLV	29	0	0	0	1.1E2	0.66	13468	9408	Sisma Y SLV	0	29	0	0	1.1E2	0.66
13469	9408	Sisma X SLO	15.4	0	0	0	1.1E2	0.66	13470	9408	Sisma Y SLO	0	15.4	0	0	1.1E2	0.66
13471	9408	Sisma X SLD	12.8	0	0	0	1.1E2	0.66	13472	9408	Sisma Y SLD	0	12.8	0	0	1.1E2	0.66
13473	9409	Sisma X SLV	26.1	0	0	0	99.04	0.66	13474	9409	Sisma Y SLV	0	26.1	0	0	99.04	0.66
13475	9409	Sisma X SLO	13.9	0	0	0	99.04	0.66	13476	9409	Sisma Y SLO	0	13.9	0	0	99.04	0.66
13477	9409	Sisma X SLD	11.6	0	0	0	99.04	0.66	13478	9409	Sisma Y SLD	0	11.6	0	0	99.04	0.66
13479	9410	Sisma X SLV	30.7	0	0	0	1.2E2	0.66	13480	9410	Sisma Y SLV	0	30.7	0	0	1.2E2	0.66
13481	9410	Sisma X SLO	16.4	0	0	0	1.2E2	0.66	13482	9410	Sisma Y SLO	0	16.4	0	0	1.2E2	0.66
13483	9410	Sisma X SLD	13.6	0	0	0	1.2E2	0.66	13484	9410	Sisma Y SLD	0	13.6	0	0	1.2E2	0.66
13485	9411	Sisma X SLV	13.3	0	0	0	5.0E1	0.66	13486	9411	Sisma Y SLV	0	13.3	0	0	5.0E1	0.66
13487	9411	Sisma X SLO	7.1	0	0	0	5.0E1	0.66	13488	9411	Sisma Y SLO	0	7.1	0	0	5.0E1	0.66
13489	9411	Sisma X SLD	5.9	0	0	0	5.0E1	0.66	13490	9411	Sisma Y SLD	0	5.9	0	0	5.0E1	0.66
13491	9412	Sisma X SLV	27.5	0	0	0	1.0E2	0.66	13492	9412	Sisma Y SLV	0	27.5	0	0	1.0E2	0.66
13493	9412	Sisma X SLO	14.7	0	0	0	1.0E2	0.66	13494	9412	Sisma Y SLO	0	14.7	0	0	1.0E2	0.66
13495	9412	Sisma X SLD	12.2	0	0	0	1.0E2	0.66	13496	9412	Sisma Y SLD	0	12.2	0	0	1.0E2	0.66
13497	9413	Sisma X SLV	32.2	0	0	0	1.2E2	0.66	13498	9413	Sisma Y SLV	0	32.2	0	0	1.2E2	0.66
13499	9413	Sisma X SLO	17.1	0	0	0	1.2E2	0.66	13500	9413	Sisma Y SLO	0	17.1	0	0	1.2E2	0.66
13501	9413	Sisma X SLD	14.2	0	0	0	1.2E2	0.66	13502	9413	Sisma Y SLD	0	14.2	0	0	1.2E2	0.66
13503	9414	Sisma X SLV	26.1	0	0	0	9.9E1	0.661	13504	9414	Sisma Y SLV	0	26.1	0	0	9.9E1	0.661
13505	9414	Sisma X SLO	13.9	0	0	0	9.9E1	0.661	13506	9414	Sisma Y SLO	0	13.9	0	0	9.9E1	0.661
13507	9414	Sisma X SLD	11.5	0	0	0	9.9E1	0.661	13508	9414	Sisma Y SLD	0	11.5	0	0	9.9E1	0.661
13509	9415	Sisma X SLV	26.8	0	0	0	1.0E2	0.661	13510	9415	Sisma Y SLV	0	26.8	0	0	1.0E2	0.661
13511	9415	Sisma X SLO	14.3	0	0	0	1.0E2	0.661	13512	9415	Sisma Y SLO	0	14.3	0	0	1.0E2	0.661

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
13513	9415	Sisma X SLD	11.9	0	0	0	1.0E2	0.661	13514	9415	Sisma Y SLD	0	11.9	0	0	1.0E2	0.661
13515	9416	Sisma X SLV	29	0	0	0	1.1E2	0.661	13516	9416	Sisma Y SLV	0	29	0	0	1.1E2	0.661
13517	9416	Sisma X SLO	15.5	0	0	0	1.1E2	0.661	13518	9416	Sisma Y SLO	0	15.5	0	0	1.1E2	0.661
13519	9416	Sisma X SLD	12.8	0	0	0	1.1E2	0.661	13520	9416	Sisma Y SLD	0	12.8	0	0	1.1E2	0.661
13521	9417	Sisma X SLV	24.5	0	0	0	9.3E1	0.661	13522	9417	Sisma Y SLV	0	24.5	0	0	9.3E1	0.661
13523	9417	Sisma X SLO	13.1	0	0	0	9.3E1	0.661	13524	9417	Sisma Y SLO	0	13.1	0	0	9.3E1	0.661
13525	9417	Sisma X SLD	10.9	0	0	0	9.3E1	0.661	13526	9417	Sisma Y SLD	0	10.9	0	0	9.3E1	0.661
13527	9418	Sisma X SLV	27.8	0	0	0	1.1E2	0.661	13528	9418	Sisma Y SLV	0	27.8	0	0	1.1E2	0.661
13529	9418	Sisma X SLO	14.8	0	0	0	1.1E2	0.661	13530	9418	Sisma Y SLO	0	14.8	0	0	1.1E2	0.661
13531	9418	Sisma X SLD	12.3	0	0	0	1.1E2	0.661	13532	9418	Sisma Y SLD	0	12.3	0	0	1.1E2	0.661
13533	9419	Sisma X SLV	25.4	0	0	0	9.6E1	0.661	13534	9419	Sisma Y SLV	0	25.4	0	0	9.6E1	0.661
13535	9419	Sisma X SLO	13.5	0	0	0	9.6E1	0.661	13536	9419	Sisma Y SLO	0	13.5	0	0	9.6E1	0.661
13537	9419	Sisma X SLD	11.2	0	0	0	9.6E1	0.661	13538	9419	Sisma Y SLD	0	11.2	0	0	9.6E1	0.661
13539	9420	Sisma X SLV	31.9	0	0	0	1.2E2	0.661	13540	9420	Sisma Y SLV	0	31.9	0	0	1.2E2	0.661
13541	9420	Sisma X SLO	17	0	0	0	1.2E2	0.661	13542	9420	Sisma Y SLO	0	17	0	0	1.2E2	0.661
13543	9420	Sisma X SLD	14.1	0	0	0	1.2E2	0.661	13544	9420	Sisma Y SLD	0	14.1	0	0	1.2E2	0.661
13545	9421	Sisma X SLV	25.5	0	0	0	9.7E1	0.661	13546	9421	Sisma Y SLV	0	25.5	0	0	9.7E1	0.661
13547	9421	Sisma X SLO	13.6	0	0	0	9.7E1	0.661	13548	9421	Sisma Y SLO	0	13.6	0	0	9.7E1	0.661
13549	9421	Sisma X SLD	11.3	0	0	0	9.7E1	0.661	13550	9421	Sisma Y SLD	0	11.3	0	0	9.7E1	0.661
13551	9422	Sisma X SLV	24.1	0	0	0	9.1E1	0.661	13552	9422	Sisma Y SLV	0	24.1	0	0	9.1E1	0.661
13553	9422	Sisma X SLO	12.8	0	0	0	9.1E1	0.661	13554	9422	Sisma Y SLO	0	12.8	0	0	9.1E1	0.661
13555	9422	Sisma X SLD	10.7	0	0	0	9.1E1	0.661	13556	9422	Sisma Y SLD	0	10.7	0	0	9.1E1	0.661
13557	9423	Sisma X SLV	24.9	0	0	0	9.4E1	0.662	13558	9423	Sisma Y SLV	0	24.9	0	0	9.4E1	0.662
13559	9423	Sisma X SLO	13.3	0	0	0	9.4E1	0.662	13560	9423	Sisma Y SLO	0	13.3	0	0	9.4E1	0.662
13561	9423	Sisma X SLD	11	0	0	0	9.4E1	0.662	13562	9423	Sisma Y SLD	0	11	0	0	9.4E1	0.662
13563	9424	Sisma X SLV	28.8	0	0	0	1.1E2	0.662	13564	9424	Sisma Y SLV	0	28.8	0	0	1.1E2	0.662
13565	9424	Sisma X SLO	15.3	0	0	0	1.1E2	0.662	13566	9424	Sisma Y SLO	0	15.3	0	0	1.1E2	0.662
13567	9424	Sisma X SLD	12.7	0	0	0	1.1E2	0.662	13568	9424	Sisma Y SLD	0	12.7	0	0	1.1E2	0.662
13569	9425	Sisma X SLV	27.9	0	0	0	1.1E2	0.662	13570	9425	Sisma Y SLV	0	27.9	0	0	1.1E2	0.662
13571	9425	Sisma X SLO	14.9	0	0	0	1.1E2	0.662	13572	9425	Sisma Y SLO	0	14.9	0	0	1.1E2	0.662
13573	9425	Sisma X SLD	12.4	0	0	0	1.1E2	0.662	13574	9425	Sisma Y SLD	0	12.4	0	0	1.1E2	0.662
13575	9426	Sisma X SLV	30.5	0	0	0	1.2E2	0.662	13576	9426	Sisma Y SLV	0	30.5	0	0	1.2E2	0.662
13577	9426	Sisma X SLO	16.3	0	0	0	1.2E2	0.662	13578	9426	Sisma Y SLO	0	16.3	0	0	1.2E2	0.662
13579	9426	Sisma X SLD	13.5	0	0	0	1.2E2	0.662	13580	9426	Sisma Y SLD	0	13.5	0	0	1.2E2	0.662
13581	9427	Sisma X SLV	28.2	0	0	0	1.1E2	0.662	13582	9427	Sisma Y SLV	0	28.2	0	0	1.1E2	0.662
13583	9427	Sisma X SLO	15	0	0	0	1.1E2	0.662	13584	9427	Sisma Y SLO	0	15	0	0	1.1E2	0.662
13585	9427	Sisma X SLD	12.5	0	0	0	1.1E2	0.662	13586	9427	Sisma Y SLD	0	12.5	0	0	1.1E2	0.662
13587	9428	Sisma X SLV	24.8	0	0	0	9.4E1	0.662	13588	9428	Sisma Y SLV	0	24.8	0	0	9.4E1	0.662
13589	9428	Sisma X SLO	13.2	0	0	0	9.4E1	0.662	13590	9428	Sisma Y SLO	0	13.2	0	0	9.4E1	0.662
13591	9428	Sisma X SLD	11	0	0	0	9.4E1	0.662	13592	9428	Sisma Y SLD	0	11	0	0	9.4E1	0.662
13593	9429	Sisma X SLV	32.3	0	0	0	1.2E2	0.662	13594	9429	Sisma Y SLV	0	32.3	0	0	1.2E2	0.662
13595	9429	Sisma X SLO	17.2	0	0	0	1.2E2	0.662	13596	9429	Sisma Y SLO	0	17.2	0	0	1.2E2	0.662
13597	9429	Sisma X SLD	14.3	0	0	0	1.2E2	0.662	13598	9429	Sisma Y SLD	0	14.3	0	0	1.2E2	0.662
13599	9430	Sisma X SLV	23.4	0	0	0	8.8E1	0.663	13600	9430	Sisma Y SLV	0	23.4	0	0	8.8E1	0.663
13601	9430	Sisma X SLO	12.5	0	0	0	8.8E1	0.663	13602	9430	Sisma Y SLO	0	12.5	0	0	8.8E1	0.663
13603	9430	Sisma X SLD	10.4	0	0	0	8.8E1	0.663	13604	9430	Sisma Y SLD	0	10.4	0	0	8.8E1	0.663
13605	9431	Sisma X SLV	26.1	0	0	0	9.8E1	0.663	13606	9431	Sisma Y SLV	0	26.1	0	0	9.8E1	0.663
13607	9431	Sisma X SLO	13.9	0	0	0	9.8E1	0.663	13608	9431	Sisma Y SLO	0	13.9	0	0	9.8E1	0.663
13609	9431	Sisma X SLD	11.5	0	0	0	9.8E1	0.663	13610	9431	Sisma Y SLD	0	11.5	0	0	9.8E1	0.663
13611	9432	Sisma X SLV	29.7	0	0	0	1.1E2	0.663	13612	9432	Sisma Y SLV	0	29.7	0	0	1.1E2	0.663
13613	9432	Sisma X SLO	15.8	0	0	0	1.1E2	0.663	13614	9432	Sisma Y SLO	0	15.8	0	0	1.1E2	0.663
13615	9432	Sisma X SLD	13.1	0	0	0	1.1E2	0.663	13616	9432	Sisma Y SLD	0	13.1	0	0	1.1E2	0.663
13617	9433	Sisma X SLV	26.6	0	0	0	1.0E2	0.663	13618	9433	Sisma Y SLV	0	26.6	0	0	1.0E2	0.663
13619	9433	Sisma X SLO	14.2	0	0	0	1.0E2	0.663	13620	9433	Sisma Y SLO	0	14.2	0	0	1.0E2	0.663
13621	9433	Sisma X SLD	11.8	0	0	0	1.0E2	0.663	13622	9433	Sisma Y SLD	0	11.8	0	0	1.0E2	0.663
13623	9434	Sisma X SLV	27.1	0	0	0	1.0E2	0.663	13624	9434	Sisma Y SLV	0	27.1	0	0	1.0E2	0.663
13625	9434	Sisma X SLO	14.4	0	0	0	1.0E2	0.663	13626	9434	Sisma Y SLO	0	14.4	0	0	1.0E2	0.663
13627	9434	Sisma X SLD	12	0	0	0	1.0E2	0.663	13628	9434	Sisma Y SLD	0	12	0	0	1.0E2	0.663
13629	9435	Sisma X SLV	28.3	0	0	0	1.1E2	0.663	13630	9435	Sisma Y SLV	0	28.3	0	0	1.1E2	0.663
13631	9435	Sisma X SLO	15.1	0	0	0	1.1E2	0.663	13632	9435	Sisma Y SLO	0	15.1	0	0	1.1E2	0.663
13633	9435	Sisma X SLD	12.5	0	0	0	1.1E2	0.663	13634	9435	Sisma Y SLD	0	12.5	0	0	1.1E2	0.663
13635	9436	Sisma X SLV	30.3	0	0	0	1.1E2	0.663	13636	9436	Sisma Y SLV	0	30.3	0	0	1.1E2	0.663
13637	9436	Sisma X SLO	16.2	0	0	0	1.1E2	0.663	13638	9436	Sisma Y SLO	0	16.2	0	0	1.1E2	0.663
13639	9436	Sisma X SLD	13.4	0	0	0	1.1E2	0.663	13640	9436	Sisma Y SLD	0	13.4	0	0	1.1E2	0.663
13641	9437	Sisma X SLV	23.5	0	0	0	88.54	0.663	13642	9437	Sisma Y SLV	0	23.5	0	0	88.54	0.663
13643	9437	Sisma X SLO	12.5	0	0	0	88.54	0.663	13644	9437	Sisma Y SLO	0	12.5	0	0	88.54	0.663
13645	9437	Sisma X SLD	10.4	0	0	0	88.54	0.663	13646	9437	Sisma Y SLD	0	10.4	0	0	88.54	0.663
13647	9438	Sisma X SLV	26.3	0	0	0	9.9E1	0.663	13648	9438	Sisma Y SLV	0	26.3	0	0	9.9E1	0.663
13649	9438	Sisma X SLO	14	0	0	0	9.9E1	0.663	13650	9438	Sisma Y SLO	0	14	0	0	9.9E1	0.663
13651	9438	Sisma X SLD	11.6	0	0	0	9.9E1	0.663	13652	9438	Sisma Y SLD	0	11.6	0	0	9.9E1	0.663
13653	9439	Sisma X SLV	27.9	0	0	0	1.1E2	0.663	13654	9439	Sisma Y SLV	0	27.9	0	0	1.1E2	0.663
13655	9439	Sisma X SLO	14.9	0	0	0	1.1E2	0.663	13656	9439	Sisma Y SLO	0	14.9	0	0	1.1E2	0.663
13657	9439	Sisma X SLD	12.3	0	0	0	1.1E2	0.663	13658	9439	Sisma Y SLD	0	12.3	0	0	1.1E2	0.663
13659	9440	Sisma X SLV	24.7	0	0	0	9.3E1	0.663	13660	9440	Sisma Y SLV	0	24.7	0	0	9.3E1	0.663
13661	9440	Sisma X SLO	13.2	0	0	0	9.3E1	0.663	13662	9440	Sisma Y SLO	0	13.2	0	0	9.3E1	0.663
13663	9440	Sisma X SLD	10.9	0	0	0	9.3E1	0.663	13664	9440	Sisma Y SLD	0	10.9	0	0	9.3E1	0.663
13665	9441	Sisma X SLV	27	0	0	0	1.0E2	0.663	13666	9441	Sisma Y SLV	0	27	0	0	1.0E2	0.663
13667	9441	Sisma X SLO	14.4	0	0	0	1.0E2	0.663	13668	9441	Sisma Y SLO	0	14.4	0	0	1.0E2	0.663
13669	9441	Sisma X SLD	12	0	0	0	1.0E2	0.663	13670	9441	Sisma Y SLD	0	12	0	0	1.0E2	0.663
13671	9442	Sisma X SLV	18.8	0	0	0	7.1E1	0.664	13672	9442	Sisma Y SLV	0	18.8	0	0	7.1E1	0.664
13673	9442	Sisma X SLO	10	0	0	0	7.1E1	0.664	13674	9442	Sisma Y SLO	0	10	0	0	7.1E1	0.664
13675	9442	Sisma X SLD	8.3	0	0	0	7.1E1	0.664	13676	9442	Sisma Y SLD	0	8.3	0	0	7.1E1	0.664
13677	9443	Sisma X SLV	26.3	0	0	0	9.9E1	0.664	13678	9443	Sisma Y SLV	0	26.3	0	0	9.9E1	0.664
13679	9443	Sisma X SLO	14	0	0	0	9.9E1	0.664	13680	9443	Sisma Y SLO	0	14	0	0	9.9E1	0.664
13681	9443	Sisma X SLD	11.6	0	0	0	9.9E1	0.664	13682	9443	Sisma Y SLD	0	11.6	0	0	9.9E1	0.664
13683	9444	Sisma X SLV	26.9	0	0	0	1.0E2	0.664	13684	9444	Sisma Y SLV	0	26.9	0	0	1.0E2	0.664
13685	9444	Sisma X SLO	14.3	0	0	0	1.0E2	0.664	13686	9444	Sisma Y SLO	0	14.3	0	0	1.0E2	0.664
13687	9444	Sisma X SLD	11.9	0	0	0	1.0E2	0.664	13688	9444	Sisma Y SLD	0	11.9	0	0	1.0E2	0.664
13689	9445	Sisma X SLV	26.6	0	0	0	1.0E2	0.664	13690	9445	Sisma Y SLV	0	26.6	0	0	1.0E2	0.664
13691	9445	Sisma X SLO	14.2	0	0	0	1.0E2	0.664	13692	9445	Sisma Y SLO	0	14.2	0	0	1.0E2	0.664
13693	9445	Sisma X SLD	11.8	0	0	0	1.0E2	0.664	13694	9445	Sisma Y SLD	0	11.8	0	0	1.0E2	0.664
13695	9446	Sisma X SLV	26.3	0	0	0	9.9E1	0.665	13696	9446	Sisma Y SLV	0	26.3	0	0	9.9E1	0.665
13697	9446	Sisma X SLO	14	0	0	0	9.9E1	0.665	13698	9446	Sisma Y SLO	0	14	0	0	9.9E1	0.665
13699	9446	Sisma X SLD	11.6	0	0	0	9.9E1	0.665	13700	9446	Sisma Y SLD	0	11.6	0	0	9.9E1	0.665
13701	9447	Sisma X SLV	24.6	0	0	0	9.3E1	0.665	13702	9447	Sisma Y SLV	0	24.6	0	0	9.3E1	0.665
13703	9447	Sisma X SLO	13.1	0	0	0	9.3E1	0.665	13704	9447	Sisma Y SLO	0	13.1	0	0	9.3E1	0.665
13705	9447	Sisma X SLD	10.9	0	0	0	9.3E1	0.665	13706	9447	Sisma Y SLD	0	10.9	0	0	9.3E1	0.665
13707	9448	Sisma X SLV	26.7	0	0	0	1.0E2	0.666	13708	9448	Sisma Y SLV	0	26.7	0	0	1.0E2	0.666
13709	9448	Sisma X SLO	14.2	0	0	0	1.0E2	0.666	13710	9448	Sisma Y SLO	0	14.2	0	0	1.0E2	0.666
13711	9448	Sisma X SLD	11.8	0	0	0	1.0E2	0.666	13712	9448	Sisma Y SLD	0	11.8	0	0	1.0E2	0.666

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
13713	9449	Sisma X SLV	25.8	0	0	0	96.81	0.667	13714	9449	Sisma Y SLV	0	25.8	0	0	96.81	0.667
13715	9449	Sisma X SLO	13.8	0	0	0	96.81	0.667	13716	9449	Sisma Y SLO	0	13.8	0	0	96.81	0.667
13717	9449	Sisma X SLD	11.4	0	0	0	96.81	0.667	13718	9449	Sisma Y SLD	0	11.4	0	0	96.81	0.667
13719	9450	Sisma X SLV	26.5	0	0	0	9.9E1	0.667	13720	9450	Sisma Y SLV	0	26.5	0	0	9.9E1	0.667
13721	9450	Sisma X SLO	14.1	0	0	0	9.9E1	0.667	13722	9450	Sisma Y SLO	0	14.1	0	0	9.9E1	0.667
13723	9450	Sisma X SLD	11.7	0	0	0	9.9E1	0.667	13724	9450	Sisma Y SLD	0	11.7	0	0	9.9E1	0.667
13725	9451	Sisma X SLV	26.3	0	0	0	9.9E1	0.668	13726	9451	Sisma Y SLV	0	26.3	0	0	9.9E1	0.668
13727	9451	Sisma X SLO	14	0	0	0	9.9E1	0.668	13728	9451	Sisma Y SLO	0	14	0	0	9.9E1	0.668
13729	9451	Sisma X SLD	11.7	0	0	0	9.9E1	0.668	13730	9451	Sisma Y SLD	0	11.7	0	0	9.9E1	0.668
13731	9452	Sisma X SLV	16.1	0	0	0	6.0E1	0.668	13732	9452	Sisma Y SLV	0	16.1	0	0	6.0E1	0.668
13733	9452	Sisma X SLO	8.6	0	0	0	6.0E1	0.668	13734	9452	Sisma Y SLO	0	8.6	0	0	6.0E1	0.668
13735	9452	Sisma X SLD	7.1	0	0	0	6.0E1	0.668	13736	9452	Sisma Y SLD	0	7.1	0	0	6.0E1	0.668
13737	9453	Sisma X SLV	27.7	0	0	0	1.0E2	0.669	13738	9453	Sisma Y SLV	0	27.7	0	0	1.0E2	0.669
13739	9453	Sisma X SLO	14.8	0	0	0	1.0E2	0.669	13740	9453	Sisma Y SLO	0	14.8	0	0	1.0E2	0.669
13741	9453	Sisma X SLD	12.3	0	0	0	1.0E2	0.669	13742	9453	Sisma Y SLD	0	12.3	0	0	1.0E2	0.669
13743	9454	Sisma X SLV	22.8	0	0	0	8.5E1	0.669	13744	9454	Sisma Y SLV	0	22.8	0	0	8.5E1	0.669
13745	9454	Sisma X SLO	12.1	0	0	0	8.5E1	0.669	13746	9454	Sisma Y SLO	0	12.1	0	0	8.5E1	0.669
13747	9454	Sisma X SLD	10.1	0	0	0	8.5E1	0.669	13748	9454	Sisma Y SLD	0	10.1	0	0	8.5E1	0.669
13749	9455	Sisma X SLV	24.1	0	0	0	9.0E1	0.67	13750	9455	Sisma Y SLV	0	24.1	0	0	9.0E1	0.67
13751	9455	Sisma X SLO	12.8	0	0	0	9.0E1	0.67	13752	9455	Sisma Y SLO	0	12.8	0	0	9.0E1	0.67
13753	9455	Sisma X SLD	10.7	0	0	0	9.0E1	0.67	13754	9455	Sisma Y SLD	0	10.7	0	0	9.0E1	0.67
13755	9456	Sisma X SLV	10.7	0	0	0	4.0E1	0.67	13756	9456	Sisma Y SLV	0	10.7	0	0	4.0E1	0.67
13757	9456	Sisma X SLO	5.7	0	0	0	4.0E1	0.67	13758	9456	Sisma Y SLO	0	5.7	0	0	4.0E1	0.67
13759	9456	Sisma X SLD	4.8	0	0	0	4.0E1	0.67	13760	9456	Sisma Y SLD	0	4.8	0	0	4.0E1	0.67
13761	9457	Sisma X SLV	21.8	0	0	0	81.23	0.67	13762	9457	Sisma Y SLV	0	21.8	0	0	81.23	0.67
13763	9457	Sisma X SLO	11.6	0	0	0	81.23	0.67	13764	9457	Sisma Y SLO	0	11.6	0	0	81.23	0.67
13765	9457	Sisma X SLD	9.6	0	0	0	81.23	0.67	13766	9457	Sisma Y SLD	0	9.6	0	0	81.23	0.67
13767	9458	Sisma X SLV	23.3	0	0	0	8.7E1	0.671	13768	9458	Sisma Y SLV	0	23.3	0	0	8.7E1	0.671
13769	9458	Sisma X SLO	12.4	0	0	0	8.7E1	0.671	13770	9458	Sisma Y SLO	0	12.4	0	0	8.7E1	0.671
13771	9458	Sisma X SLD	10.3	0	0	0	8.7E1	0.671	13772	9458	Sisma Y SLD	0	10.3	0	0	8.7E1	0.671
13773	9459	Sisma X SLV	16.9	0	0	0	6.3E1	0.672	13774	9459	Sisma Y SLV	0	16.9	0	0	6.3E1	0.672
13775	9459	Sisma X SLO	9	0	0	0	6.3E1	0.672	13776	9459	Sisma Y SLO	0	9	0	0	6.3E1	0.672
13777	9459	Sisma X SLD	7.5	0	0	0	6.3E1	0.672	13778	9459	Sisma Y SLD	0	7.5	0	0	6.3E1	0.672
13779	9460	Sisma X SLV	25.5	0	0	0	9.5E1	0.672	13780	9460	Sisma Y SLV	0	25.5	0	0	9.5E1	0.672
13781	9460	Sisma X SLO	13.6	0	0	0	9.5E1	0.672	13782	9460	Sisma Y SLO	0	13.6	0	0	9.5E1	0.672
13783	9460	Sisma X SLD	11.3	0	0	0	9.5E1	0.672	13784	9460	Sisma Y SLD	0	11.3	0	0	9.5E1	0.672
13785	9461	Sisma X SLV	21.3	0	0	0	79.32	0.672	13786	9461	Sisma Y SLV	0	21.3	0	0	79.32	0.672
13787	9461	Sisma X SLO	11.4	0	0	0	79.32	0.672	13788	9461	Sisma Y SLO	0	11.4	0	0	79.32	0.672
13789	9461	Sisma X SLD	9.4	0	0	0	79.32	0.672	13790	9461	Sisma Y SLD	0	9.4	0	0	79.32	0.672
13791	9462	Sisma X SLV	11.7	0	0	0	4.4E1	0.672	13792	9462	Sisma Y SLV	0	11.7	0	0	4.4E1	0.672
13793	9462	Sisma X SLO	6.3	0	0	0	4.4E1	0.672	13794	9462	Sisma Y SLO	0	6.3	0	0	4.4E1	0.672
13795	9462	Sisma X SLD	5.2	0	0	0	4.4E1	0.672	13796	9462	Sisma Y SLD	0	5.2	0	0	4.4E1	0.672
13797	9463	Sisma X SLV	23.2	0	0	0	8.6E1	0.675	13798	9463	Sisma Y SLV	0	23.2	0	0	8.6E1	0.675
13799	9463	Sisma X SLO	12.4	0	0	0	8.6E1	0.675	13800	9463	Sisma Y SLO	0	12.4	0	0	8.6E1	0.675
13801	9463	Sisma X SLD	10.3	0	0	0	8.6E1	0.675	13802	9463	Sisma Y SLD	0	10.3	0	0	8.6E1	0.675
13803	9464	Sisma X SLV	21	0	0	0	7.8E1	0.676	13804	9464	Sisma Y SLV	0	21	0	0	7.8E1	0.676
13805	9464	Sisma X SLO	11.2	0	0	0	7.8E1	0.676	13806	9464	Sisma Y SLO	0	11.2	0	0	7.8E1	0.676
13807	9464	Sisma X SLD	9.3	0	0	0	7.8E1	0.676	13808	9464	Sisma Y SLD	0	9.3	0	0	7.8E1	0.676
13809	9465	Sisma X SLV	23.2	0	0	0	8.6E1	0.677	13810	9465	Sisma Y SLV	0	23.2	0	0	8.6E1	0.677
13811	9465	Sisma X SLO	12.4	0	0	0	8.6E1	0.677	13812	9465	Sisma Y SLO	0	12.4	0	0	8.6E1	0.677
13813	9465	Sisma X SLD	10.3	0	0	0	8.6E1	0.677	13814	9465	Sisma Y SLD	0	10.3	0	0	8.6E1	0.677
13815	9466	Sisma X SLV	18.1	0	0	0	6.7E1	0.678	13816	9466	Sisma Y SLV	0	18.1	0	0	6.7E1	0.678
13817	9466	Sisma X SLO	9.6	0	0	0	6.7E1	0.678	13818	9466	Sisma Y SLO	0	9.6	0	0	6.7E1	0.678
13819	9466	Sisma X SLD	8	0	0	0	6.7E1	0.678	13820	9466	Sisma Y SLD	0	8	0	0	6.7E1	0.678
13821	9467	Sisma X SLV	21.7	0	0	0	8.0E1	0.679	13822	9467	Sisma Y SLV	0	21.7	0	0	8.0E1	0.679
13823	9467	Sisma X SLO	11.6	0	0	0	8.0E1	0.679	13824	9467	Sisma Y SLO	0	11.6	0	0	8.0E1	0.679
13825	9467	Sisma X SLD	9.6	0	0	0	8.0E1	0.679	13826	9467	Sisma Y SLD	0	9.6	0	0	8.0E1	0.679
13827	9468	Sisma X SLV	18.3	0	0	0	6.7E1	0.681	13828	9468	Sisma Y SLV	0	18.3	0	0	6.7E1	0.681
13829	9468	Sisma X SLO	9.7	0	0	0	6.7E1	0.681	13830	9468	Sisma Y SLO	0	9.7	0	0	6.7E1	0.681
13831	9468	Sisma X SLD	8.1	0	0	0	6.7E1	0.681	13832	9468	Sisma Y SLD	0	8.1	0	0	6.7E1	0.681
13833	9469	Sisma X SLV	10.7	0	0	0	3.9E1	0.682	13834	9469	Sisma Y SLV	0	10.7	0	0	3.9E1	0.682
13835	9469	Sisma X SLO	5.7	0	0	0	3.9E1	0.682	13836	9469	Sisma Y SLO	0	5.7	0	0	3.9E1	0.682
13837	9469	Sisma X SLD	4.7	0	0	0	3.9E1	0.682	13838	9469	Sisma Y SLD	0	4.7	0	0	3.9E1	0.682
13839	9470	Sisma X SLV	41.2	0	0	0	1.5E2	0.683	13840	9470	Sisma Y SLV	0	41.2	0	0	1.5E2	0.683
13841	9470	Sisma X SLO	22	0	0	0	1.5E2	0.683	13842	9470	Sisma Y SLO	0	22	0	0	1.5E2	0.683
13843	9470	Sisma X SLD	18.2	0	0	0	1.5E2	0.683	13844	9470	Sisma Y SLD	0	18.2	0	0	1.5E2	0.683
13845	9471	Sisma X SLV	17.2	0	0	0	6.3E1	0.683	13846	9471	Sisma Y SLV	0	17.2	0	0	6.3E1	0.683
13847	9471	Sisma X SLO	9.1	0	0	0	6.3E1	0.683	13848	9471	Sisma Y SLO	0	9.1	0	0	6.3E1	0.683
13849	9471	Sisma X SLD	7.6	0	0	0	6.3E1	0.683	13850	9471	Sisma Y SLD	0	7.6	0	0	6.3E1	0.683
13851	9472	Sisma X SLV	59	0	0	0	216	0.683	13852	9472	Sisma Y SLV	0	59	0	0	216	0.683
13853	9472	Sisma X SLO	31.5	0	0	0	216	0.683	13854	9472	Sisma Y SLO	0	31.5	0	0	216	0.683
13855	9472	Sisma X SLD	26.1	0	0	0	216	0.683	13856	9472	Sisma Y SLD	0	26.1	0	0	216	0.683
13857	9473	Sisma X SLV	38.5	0	0	0	1.4E2	0.683	13858	9473	Sisma Y SLV	0	38.5	0	0	1.4E2	0.683
13859	9473	Sisma X SLO	20.5	0	0	0	1.4E2	0.683	13860	9473	Sisma Y SLO	0	20.5	0	0	1.4E2	0.683
13861	9473	Sisma X SLD	17	0	0	0	1.4E2	0.683	13862	9473	Sisma Y SLD	0	17	0	0	1.4E2	0.683
13863	9474	Sisma X SLV	41.3	0	0	0	1.5E2	0.684	13864	9474	Sisma Y SLV	0	41.3	0	0	1.5E2	0.684
13865	9474	Sisma X SLO	22	0	0	0	1.5E2	0.684	13866	9474	Sisma Y SLO	0	22	0	0	1.5E2	0.684
13867	9474	Sisma X SLD	18.3	0	0	0	1.5E2	0.684	13868	9474	Sisma Y SLD	0	18.3	0	0	1.5E2	0.684
13869	9475	Sisma X SLV	42.6	0	0	0	1.6E2	0.684	13870	9475	Sisma Y SLV	0	42.6	0	0	1.6E2	0.684
13871	9475	Sisma X SLO	22.7	0	0	0	1.6E2	0.684	13872	9475	Sisma Y SLO	0	22.7	0	0	1.6E2	0.684
13873	9475	Sisma X SLD	18.8	0	0	0	1.6E2	0.684	13874	9475	Sisma Y SLD	0	18.8	0	0	1.6E2	0.684
13875	9476	Sisma X SLV	14.6	0	0	0	5.3E1	0.684	13876	9476	Sisma Y SLV	0	14.6	0	0	5.3E1	0.684
13877	9476	Sisma X SLO	7.8	0	0	0	5.3E1	0.684	13878	9476	Sisma Y SLO	0	7.8	0	0	5.3E1	0.684
13879	9476	Sisma X SLD	6.4	0	0	0	5.3E1	0.684	13880	9476	Sisma Y SLD	0	6.4	0	0	5.3E1	0.684
13881	9477	Sisma X SLV	47	0	0	0	1.7E2	0.684	13882	9477	Sisma Y SLV	0	47	0	0	1.7E2	0.684
13883	9477	Sisma X SLO	25.1	0	0	0	1.7E2	0.684	13884	9477	Sisma Y SLO	0	25.1	0	0	1.7E2	0.684
13885	9477	Sisma X SLD	20.8	0	0	0	1.7E2	0.684	13886	9477	Sisma Y SLD	0	20.8	0	0	1.7E2	0.684
13887	9478	Sisma X SLV	44.3	0	0	0	1.6E2	0.684	13888	9478	Sisma Y SLV	0	44.3	0	0	1.6E2	0.684
13889	9478	Sisma X SLO	23.6	0	0	0	1.6E2	0.684	13890	9478	Sisma Y SLO	0	23.6	0	0	1.6E2	0.684
13891	9478	Sisma X SLD	19.6	0	0	0	1.6E2	0.684	13892	9478	Sisma Y SLD	0	19.6	0	0	1.6E2	0.684
13893	9479	Sisma X SLV	17	0	0	0	6.2E1	0.685	13894	9479	Sisma Y SLV	0	17	0	0	6.2E1	0.685
13895	9479	Sisma X SLO	9.1	0	0	0	6.2E1	0.685	13896	9479	Sisma Y SLO	0	9.1	0	0	6.2E1	0.685
13897	9479	Sisma X SLD	7.5	0	0	0	6.2E1	0.685	13898	9479	Sisma Y SLD	0	7.5	0	0	6.2E1	0.685
13899	9480	Sisma X SLV	35.9	0	0	0	1.3E2	0.685	13900	9480	Sisma Y SLV	0	35.9	0	0	1.3E2	0.685
13901	9480	Sisma X SLO	19.1	0	0	0	1.3E2	0.685	13902	9480	Sisma Y SLO	0	19.1	0	0	1.3E2	0.685
13903	9480	Sisma X SLD	15.9	0	0	0	1.3E2	0.685	13904	9480	Sisma Y SLD	0	15.9	0	0	1.3E2	0.685
13905	9481	Sisma X SLV	49.4	0	0	0	1.8E2	0.685	13906	9481	Sisma Y SLV	0	49.4	0	0	1.8E2	0.685
13907	9481	Sisma X SLO	26.3	0	0	0	1.8E2	0.685	13908	9481	Sisma Y SLO	0	26.3	0	0	1.8E2	0.685
13909	9481	Sisma X SLD	21.9	0	0	0	1.8E2	0.685	13910	9481	Sisma Y SLD	0	21.9	0	0	1.8E2	0.685
13911	9482	Sisma X SLV	49.7	0	0	0	1.8E2	0.686	13912	9482	Sisma Y SLV	0	49.7	0	0	1.8E2	0.686

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
13913	9482	Sisma X SLO	26.5	0	0	0	1.8E2	0.686	13914	9482	Sisma Y SLO	0	26.5	0	0	1.8E2	0.686
13915	9482	Sisma X SLD	22	0	0	0	1.8E2	0.686	13916	9482	Sisma Y SLD	0	22	0	0	1.8E2	0.686
13917	9483	Sisma X SLV	49	0	0	0	1.8E2	0.687	13918	9483	Sisma Y SLV	0	49	0	0	1.8E2	0.687
13919	9483	Sisma X SLO	26.1	0	0	0	1.8E2	0.687	13920	9483	Sisma Y SLO	0	26.1	0	0	1.8E2	0.687
13921	9483	Sisma X SLD	21.7	0	0	0	1.8E2	0.687	13922	9483	Sisma Y SLD	0	21.7	0	0	1.8E2	0.687
13923	9484	Sisma X SLV	48.4	0	0	0	1.8E2	0.687	13924	9484	Sisma Y SLV	0	48.4	0	0	1.8E2	0.687
13925	9484	Sisma X SLO	25.8	0	0	0	1.8E2	0.687	13926	9484	Sisma Y SLO	0	25.8	0	0	1.8E2	0.687
13927	9484	Sisma X SLD	21.4	0	0	0	1.8E2	0.687	13928	9484	Sisma Y SLD	0	21.4	0	0	1.8E2	0.687
13929	9485	Sisma X SLV	48.1	0	0	0	1.8E2	0.688	13930	9485	Sisma Y SLV	0	48.1	0	0	1.8E2	0.688
13931	9485	Sisma X SLO	25.7	0	0	0	1.8E2	0.688	13932	9485	Sisma Y SLO	0	25.7	0	0	1.8E2	0.688
13933	9485	Sisma X SLD	21.3	0	0	0	1.8E2	0.688	13934	9485	Sisma Y SLD	0	21.3	0	0	1.8E2	0.688
13935	9486	Sisma X SLV	46.9	0	0	0	1.7E2	0.688	13936	9486	Sisma Y SLV	0	46.9	0	0	1.7E2	0.688
13937	9486	Sisma X SLO	25	0	0	0	1.7E2	0.688	13938	9486	Sisma Y SLO	0	25	0	0	1.7E2	0.688
13939	9486	Sisma X SLD	20.7	0	0	0	1.7E2	0.688	13940	9486	Sisma Y SLD	0	20.7	0	0	1.7E2	0.688
13941	9487	Sisma X SLV	47.3	0	0	0	1.7E2	0.688	13942	9487	Sisma Y SLV	0	47.3	0	0	1.7E2	0.688
13943	9487	Sisma X SLO	25.2	0	0	0	1.7E2	0.688	13944	9487	Sisma Y SLO	0	25.2	0	0	1.7E2	0.688
13945	9487	Sisma X SLD	20.9	0	0	0	1.7E2	0.688	13946	9487	Sisma Y SLD	0	20.9	0	0	1.7E2	0.688
13947	9488	Sisma X SLV	47.8	0	0	0	1.7E2	0.688	13948	9488	Sisma Y SLV	0	47.8	0	0	1.7E2	0.688
13949	9488	Sisma X SLO	25.5	0	0	0	1.7E2	0.688	13950	9488	Sisma Y SLO	0	25.5	0	0	1.7E2	0.688
13951	9488	Sisma X SLD	21.2	0	0	0	1.7E2	0.688	13952	9488	Sisma Y SLD	0	21.2	0	0	1.7E2	0.688
13953	9489	Sisma X SLV	47.4	0	0	0	1.7E2	0.689	13954	9489	Sisma Y SLV	0	47.4	0	0	1.7E2	0.689
13955	9489	Sisma X SLO	25.3	0	0	0	1.7E2	0.689	13956	9489	Sisma Y SLO	0	25.3	0	0	1.7E2	0.689
13957	9489	Sisma X SLD	21	0	0	0	1.7E2	0.689	13958	9489	Sisma Y SLD	0	21	0	0	1.7E2	0.689
13959	9490	Sisma X SLV	46.2	0	0	0	1.7E2	0.689	13960	9490	Sisma Y SLV	0	46.2	0	0	1.7E2	0.689
13961	9490	Sisma X SLO	24.6	0	0	0	1.7E2	0.689	13962	9490	Sisma Y SLO	0	24.6	0	0	1.7E2	0.689
13963	9490	Sisma X SLD	20.4	0	0	0	1.7E2	0.689	13964	9490	Sisma Y SLD	0	20.4	0	0	1.7E2	0.689
13965	9491	Sisma X SLV	47.7	0	0	0	1.7E2	0.689	13966	9491	Sisma Y SLV	0	47.7	0	0	1.7E2	0.689
13967	9491	Sisma X SLO	25.4	0	0	0	1.7E2	0.689	13968	9491	Sisma Y SLO	0	25.4	0	0	1.7E2	0.689
13969	9491	Sisma X SLD	21.1	0	0	0	1.7E2	0.689	13970	9491	Sisma Y SLD	0	21.1	0	0	1.7E2	0.689
13971	9492	Sisma X SLV	45.4	0	0	0	1.6E2	0.689	13972	9492	Sisma Y SLV	0	45.4	0	0	1.6E2	0.689
13973	9492	Sisma X SLO	24.2	0	0	0	1.6E2	0.689	13974	9492	Sisma Y SLO	0	24.2	0	0	1.6E2	0.689
13975	9492	Sisma X SLD	20.1	0	0	0	1.6E2	0.689	13976	9492	Sisma Y SLD	0	20.1	0	0	1.6E2	0.689
13977	9493	Sisma X SLV	44	0	0	0	1.6E2	0.689	13978	9493	Sisma Y SLV	0	44	0	0	1.6E2	0.689
13979	9493	Sisma X SLO	23.4	0	0	0	1.6E2	0.689	13980	9493	Sisma Y SLO	0	23.4	0	0	1.6E2	0.689
13981	9493	Sisma X SLD	19.5	0	0	0	1.6E2	0.689	13982	9493	Sisma Y SLD	0	19.5	0	0	1.6E2	0.689
13983	9494	Sisma X SLV	45.2	0	0	0	1.6E2	0.689	13984	9494	Sisma Y SLV	0	45.2	0	0	1.6E2	0.689
13985	9494	Sisma X SLO	24.1	0	0	0	1.6E2	0.689	13986	9494	Sisma Y SLO	0	24.1	0	0	1.6E2	0.689
13987	9494	Sisma X SLD	20	0	0	0	1.6E2	0.689	13988	9494	Sisma Y SLD	0	20	0	0	1.6E2	0.689
13989	9495	Sisma X SLV	47.6	0	0	0	1.7E2	0.689	13990	9495	Sisma Y SLV	0	47.6	0	0	1.7E2	0.689
13991	9495	Sisma X SLO	25.4	0	0	0	1.7E2	0.689	13992	9495	Sisma Y SLO	0	25.4	0	0	1.7E2	0.689
13993	9495	Sisma X SLD	21.1	0	0	0	1.7E2	0.689	13994	9495	Sisma Y SLD	0	21.1	0	0	1.7E2	0.689
13995	9496	Sisma X SLV	43.4	0	0	0	1.6E2	0.69	13996	9496	Sisma Y SLV	0	43.4	0	0	1.6E2	0.69
13997	9496	Sisma X SLO	23.2	0	0	0	1.6E2	0.69	13998	9496	Sisma Y SLO	0	23.2	0	0	1.6E2	0.69
13999	9496	Sisma X SLD	19.2	0	0	0	1.6E2	0.69	14000	9496	Sisma Y SLD	0	19.2	0	0	1.6E2	0.69
14001	9497	Sisma X SLV	50.2	0	0	0	1.8E2	0.69	14002	9497	Sisma Y SLV	0	50.2	0	0	1.8E2	0.69
14003	9497	Sisma X SLO	26.8	0	0	0	1.8E2	0.69	14004	9497	Sisma Y SLO	0	26.8	0	0	1.8E2	0.69
14005	9497	Sisma X SLD	22.2	0	0	0	1.8E2	0.69	14006	9497	Sisma Y SLD	0	22.2	0	0	1.8E2	0.69
14007	9498	Sisma X SLV	49.1	0	0	0	1.8E2	0.69	14008	9498	Sisma Y SLV	0	49.1	0	0	1.8E2	0.69
14009	9498	Sisma X SLO	26.2	0	0	0	1.8E2	0.69	14010	9498	Sisma Y SLO	0	26.2	0	0	1.8E2	0.69
14011	9498	Sisma X SLD	21.7	0	0	0	1.8E2	0.69	14012	9498	Sisma Y SLD	0	21.7	0	0	1.8E2	0.69
14013	9499	Sisma X SLV	44	0	0	0	1.6E2	0.69	14014	9499	Sisma Y SLV	0	44	0	0	1.6E2	0.69
14015	9499	Sisma X SLO	23.5	0	0	0	1.6E2	0.69	14016	9499	Sisma Y SLO	0	23.5	0	0	1.6E2	0.69
14017	9499	Sisma X SLD	19.5	0	0	0	1.6E2	0.69	14018	9499	Sisma Y SLD	0	19.5	0	0	1.6E2	0.69
14019	9500	Sisma X SLV	42.6	0	0	0	1.5E2	0.69	14020	9500	Sisma Y SLV	0	42.6	0	0	1.5E2	0.69
14021	9500	Sisma X SLO	22.7	0	0	0	1.5E2	0.69	14022	9500	Sisma Y SLO	0	22.7	0	0	1.5E2	0.69
14023	9500	Sisma X SLD	18.9	0	0	0	1.5E2	0.69	14024	9500	Sisma Y SLD	0	18.9	0	0	1.5E2	0.69
14025	9501	Sisma X SLV	42.4	0	0	0	1.5E2	0.69	14026	9501	Sisma Y SLV	0	42.4	0	0	1.5E2	0.69
14027	9501	Sisma X SLO	22.6	0	0	0	1.5E2	0.69	14028	9501	Sisma Y SLO	0	22.6	0	0	1.5E2	0.69
14029	9501	Sisma X SLD	18.8	0	0	0	1.5E2	0.69	14030	9501	Sisma Y SLD	0	18.8	0	0	1.5E2	0.69
14031	9502	Sisma X SLV	42.5	0	0	0	1.5E2	0.69	14032	9502	Sisma Y SLV	0	42.5	0	0	1.5E2	0.69
14033	9502	Sisma X SLO	22.7	0	0	0	1.5E2	0.69	14034	9502	Sisma Y SLO	0	22.7	0	0	1.5E2	0.69
14035	9502	Sisma X SLD	18.8	0	0	0	1.5E2	0.69	14036	9502	Sisma Y SLD	0	18.8	0	0	1.5E2	0.69
14037	9503	Sisma X SLV	42.5	0	0	0	1.5E2	0.69	14038	9503	Sisma Y SLV	0	42.5	0	0	1.5E2	0.69
14039	9503	Sisma X SLO	22.6	0	0	0	1.5E2	0.69	14040	9503	Sisma Y SLO	0	22.6	0	0	1.5E2	0.69
14041	9503	Sisma X SLD	18.8	0	0	0	1.5E2	0.69	14042	9503	Sisma Y SLD	0	18.8	0	0	1.5E2	0.69
14043	9504	Sisma X SLV	42.4	0	0	0	1.5E2	0.69	14044	9504	Sisma Y SLV	0	42.4	0	0	1.5E2	0.69
14045	9504	Sisma X SLO	22.6	0	0	0	1.5E2	0.69	14046	9504	Sisma Y SLO	0	22.6	0	0	1.5E2	0.69
14047	9504	Sisma X SLD	18.8	0	0	0	1.5E2	0.69	14048	9504	Sisma Y SLD	0	18.8	0	0	1.5E2	0.69
14049	9505	Sisma X SLV	42.3	0	0	0	1.5E2	0.69	14050	9505	Sisma Y SLV	0	42.3	0	0	1.5E2	0.69
14051	9505	Sisma X SLO	22.6	0	0	0	1.5E2	0.69	14052	9505	Sisma Y SLO	0	22.6	0	0	1.5E2	0.69
14053	9505	Sisma X SLD	18.7	0	0	0	1.5E2	0.69	14054	9505	Sisma Y SLD	0	18.7	0	0	1.5E2	0.69
14055	9506	Sisma X SLV	62.2	0	0	0	2.3E2	0.69	14056	9506	Sisma Y SLV	0	62.2	0	0	2.3E2	0.69
14057	9506	Sisma X SLO	33.2	0	0	0	2.3E2	0.69	14058	9506	Sisma Y SLO	0	33.2	0	0	2.3E2	0.69
14059	9506	Sisma X SLD	27.5	0	0	0	2.3E2	0.69	14060	9506	Sisma Y SLD	0	27.5	0	0	2.3E2	0.69
14061	9507	Sisma X SLV	62.3	0	0	0	2.3E2	0.69	14062	9507	Sisma Y SLV	0	62.3	0	0	2.3E2	0.69
14063	9507	Sisma X SLO	33.2	0	0	0	2.3E2	0.69	14064	9507	Sisma Y SLO	0	33.2	0	0	2.3E2	0.69
14065	9507	Sisma X SLD	27.6	0	0	0	2.3E2	0.69	14066	9507	Sisma Y SLD	0	27.6	0	0	2.3E2	0.69
14067	9508	Sisma X SLV	54.6	0	0	0	2.0E2	0.69	14068	9508	Sisma Y SLV	0	54.6	0	0	2.0E2	0.69
14069	9508	Sisma X SLO	29.1	0	0	0	2.0E2	0.69	14070	9508	Sisma Y SLO	0	29.1	0	0	2.0E2	0.69
14071	9508	Sisma X SLD	24.2	0	0	0	2.0E2	0.69	14072	9508	Sisma Y SLD	0	24.2	0	0	2.0E2	0.69
14073	9509	Sisma X SLV	52.2	0	0	0	1.9E2	0.69	14074	9509	Sisma Y SLV	0	52.2	0	0	1.9E2	0.69
14075	9509	Sisma X SLO	27.8	0	0	0	1.9E2	0.69	14076	9509	Sisma Y SLO	0	27.8	0	0	1.9E2	0.69
14077	9509	Sisma X SLD	23.1	0	0	0	1.9E2	0.69	14078	9509	Sisma Y SLD	0	23.1	0	0	1.9E2	0.69
14079	9510	Sisma X SLV	46.1	0	0	0	1.7E2	0.69	14080	9510	Sisma Y SLV	0	46.1	0	0	1.7E2	0.69
14081	9510	Sisma X SLO	24.6	0	0	0	1.7E2	0.69	14082	9510	Sisma Y SLO	0	24.6	0	0	1.7E2	0.69
14083	9510	Sisma X SLD	20.4	0	0	0	1.7E2	0.69	14084	9510	Sisma Y SLD	0	20.4	0	0	1.7E2	0.69
14085	9511	Sisma X SLV	43.5	0	0	0	1.6E2	0.69	14086	9511	Sisma Y SLV	0	43.5	0	0	1.6E2	0.69
14087	9511	Sisma X SLO	23.2	0	0	0	1.6E2	0.69	14088	9511	Sisma Y SLO	0	23.2	0	0	1.6E2	0.69
14089	9511	Sisma X SLD	19.2	0	0	0	1.6E2	0.69	14090	9511	Sisma Y SLD	0	19.2	0	0	1.6E2	0.69
14091	9512	Sisma X SLV	54.6	0	0	0	2.0E2	0.69	14092	9512	Sisma Y SLV	0	54.6	0	0	2.0E2	0.69
14093	9512	Sisma X SLO	29.1	0	0	0	2.0E2	0.69	14094	9512	Sisma Y SLO	0	29.1	0	0	2.0E2	0.69
14095	9512	Sisma X SLD	24.2	0	0	0	2.0E2	0.69	14096	9512	Sisma Y SLD	0	24.2	0	0	2.0E2	0.69
14097	9513	Sisma X SLV	21.8	0	0	0	7.9E1	0.69	14098	9513	Sisma Y SLV	0	21.8	0	0	7.9E1	0.69
14099	9513	Sisma X SLO	11.6	0	0	0	7.9E1	0.69	14100	9513	Sisma Y SLO	0	11.6	0	0	7.9E1	0.69
14101	9513	Sisma X SLD	9.6	0	0	0	7.9E1	0.69	14102	9513	Sisma Y SLD	0	9.6	0	0	7.9E1	0.69
14103	9514	Sisma X SLV	22.9	0	0	0	8.3E1	0.69	14104	9514	Sisma Y SLV	0	22.9	0	0	8.3E1	0.69
14105	9514	Sisma X SLO	12.2	0	0	0	8.3E1	0.69	14106	9514	Sisma Y SLO	0	12.2	0	0	8.3E1	0.69
14107	9514	Sisma X SLD	10.1	0	0	0	8.3E1	0.69	14108	9514	Sisma Y SLD	0	10.1	0	0	8.3E1	0.69
14109	9515	Sisma X SLV	46.8	0	0	0	1.7E2	0.69	14110	9515	Sisma Y SLV	0	46.8	0	0	1.7E2	0.69
14111	9515	Sisma X SLO	24.9	0	0	0	1.7E2	0.69	14112	9515	Sisma Y SLO	0	24.9	0	0	1.7E2	0.69

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
14113	9515	Sisma X SLD	20.7	0	0	0	1.7E2	0.69	14114	9515	Sisma Y SLD	0	20.7	0	0	1.7E2	0.69
14115	9516	Sisma X SLV	44.7	0	0	0	1.6E2	0.69	14116	9516	Sisma Y SLV	0	44.7	0	0	1.6E2	0.69
14117	9516	Sisma X SLO	23.8	0	0	0	1.6E2	0.69	14118	9516	Sisma Y SLO	0	23.8	0	0	1.6E2	0.69
14119	9516	Sisma X SLD	19.8	0	0	0	1.6E2	0.69	14120	9516	Sisma Y SLD	0	19.8	0	0	1.6E2	0.69
14121	9517	Sisma X SLV	62.4	0	0	0	2.3E2	0.691	14122	9517	Sisma Y SLV	0	62.4	0	0	2.3E2	0.691
14123	9517	Sisma X SLO	33.3	0	0	0	2.3E2	0.691	14124	9517	Sisma Y SLO	0	33.3	0	0	2.3E2	0.691
14125	9517	Sisma X SLD	27.6	0	0	0	2.3E2	0.691	14126	9517	Sisma Y SLD	0	27.6	0	0	2.3E2	0.691
14127	9518	Sisma X SLV	44.6	0	0	0	1.6E2	0.691	14128	9518	Sisma Y SLV	0	44.6	0	0	1.6E2	0.691
14129	9518	Sisma X SLO	23.8	0	0	0	1.6E2	0.691	14130	9518	Sisma Y SLO	0	23.8	0	0	1.6E2	0.691
14131	9518	Sisma X SLD	19.7	0	0	0	1.6E2	0.691	14132	9518	Sisma Y SLD	0	19.7	0	0	1.6E2	0.691
14133	9519	Sisma X SLV	44.5	0	0	0	1.6E2	0.691	14134	9519	Sisma Y SLV	0	44.5	0	0	1.6E2	0.691
14135	9519	Sisma X SLO	23.7	0	0	0	1.6E2	0.691	14136	9519	Sisma Y SLO	0	23.7	0	0	1.6E2	0.691
14137	9519	Sisma X SLD	19.7	0	0	0	1.6E2	0.691	14138	9519	Sisma Y SLD	0	19.7	0	0	1.6E2	0.691
14139	9520	Sisma X SLV	44.4	0	0	0	1.6E2	0.691	14140	9520	Sisma Y SLV	0	44.4	0	0	1.6E2	0.691
14141	9520	Sisma X SLO	23.7	0	0	0	1.6E2	0.691	14142	9520	Sisma Y SLO	0	23.7	0	0	1.6E2	0.691
14143	9520	Sisma X SLD	19.7	0	0	0	1.6E2	0.691	14144	9520	Sisma Y SLD	0	19.7	0	0	1.6E2	0.691
14145	9521	Sisma X SLV	44.3	0	0	0	1.6E2	0.691	14146	9521	Sisma Y SLV	0	44.3	0	0	1.6E2	0.691
14147	9521	Sisma X SLO	23.6	0	0	0	1.6E2	0.691	14148	9521	Sisma Y SLO	0	23.6	0	0	1.6E2	0.691
14149	9521	Sisma X SLD	19.6	0	0	0	1.6E2	0.691	14150	9521	Sisma Y SLD	0	19.6	0	0	1.6E2	0.691
14151	9522	Sisma X SLV	44	0	0	0	1.6E2	0.691	14152	9522	Sisma Y SLV	0	44	0	0	1.6E2	0.691
14153	9522	Sisma X SLO	23.5	0	0	0	1.6E2	0.691	14154	9522	Sisma Y SLO	0	23.5	0	0	1.6E2	0.691
14155	9522	Sisma X SLD	19.5	0	0	0	1.6E2	0.691	14156	9522	Sisma Y SLD	0	19.5	0	0	1.6E2	0.691
14157	9523	Sisma X SLV	43.1	0	0	0	1.6E2	0.691	14158	9523	Sisma Y SLV	0	43.1	0	0	1.6E2	0.691
14159	9523	Sisma X SLO	23	0	0	0	1.6E2	0.691	14160	9523	Sisma Y SLO	0	23	0	0	1.6E2	0.691
14161	9523	Sisma X SLD	19.1	0	0	0	1.6E2	0.691	14162	9523	Sisma Y SLD	0	19.1	0	0	1.6E2	0.691
14163	9524	Sisma X SLV	42.4	0	0	0	153.6	0.691	14164	9524	Sisma Y SLV	0	42.4	0	0	153.6	0.691
14165	9524	Sisma X SLO	22.6	0	0	0	153.6	0.691	14166	9524	Sisma Y SLO	0	22.6	0	0	153.6	0.691
14167	9524	Sisma X SLD	18.8	0	0	0	153.6	0.691	14168	9524	Sisma Y SLD	0	18.8	0	0	153.6	0.691
14169	9525	Sisma X SLV	46.1	0	0	0	1.7E2	0.691	14170	9525	Sisma Y SLV	0	46.1	0	0	1.7E2	0.691
14171	9525	Sisma X SLO	24.6	0	0	0	1.7E2	0.691	14172	9525	Sisma Y SLO	0	24.6	0	0	1.7E2	0.691
14173	9525	Sisma X SLD	20.4	0	0	0	1.7E2	0.691	14174	9525	Sisma Y SLD	0	20.4	0	0	1.7E2	0.691
14175	9526	Sisma X SLV	42.1	0	0	0	1.5E2	0.691	14176	9526	Sisma Y SLV	0	42.1	0	0	1.5E2	0.691
14177	9526	Sisma X SLO	22.4	0	0	0	1.5E2	0.691	14178	9526	Sisma Y SLO	0	22.4	0	0	1.5E2	0.691
14179	9526	Sisma X SLD	18.6	0	0	0	1.5E2	0.691	14180	9526	Sisma Y SLD	0	18.6	0	0	1.5E2	0.691
14181	9527	Sisma X SLV	40.3	0	0	0	1.5E2	0.691	14182	9527	Sisma Y SLV	0	40.3	0	0	1.5E2	0.691
14183	9527	Sisma X SLO	21.5	0	0	0	1.5E2	0.691	14184	9527	Sisma Y SLO	0	21.5	0	0	1.5E2	0.691
14185	9527	Sisma X SLD	17.8	0	0	0	1.5E2	0.691	14186	9527	Sisma Y SLD	0	17.8	0	0	1.5E2	0.691
14187	9528	Sisma X SLV	39.5	0	0	0	1.4E2	0.691	14188	9528	Sisma Y SLV	0	39.5	0	0	1.4E2	0.691
14189	9528	Sisma X SLO	21.1	0	0	0	1.4E2	0.691	14190	9528	Sisma Y SLO	0	21.1	0	0	1.4E2	0.691
14191	9528	Sisma X SLD	17.5	0	0	0	1.4E2	0.691	14192	9528	Sisma Y SLD	0	17.5	0	0	1.4E2	0.691
14193	9529	Sisma X SLV	62.5	0	0	0	2.3E2	0.691	14194	9529	Sisma Y SLV	0	62.5	0	0	2.3E2	0.691
14195	9529	Sisma X SLO	33.3	0	0	0	2.3E2	0.691	14196	9529	Sisma Y SLO	0	33.3	0	0	2.3E2	0.691
14197	9529	Sisma X SLD	27.7	0	0	0	2.3E2	0.691	14198	9529	Sisma Y SLD	0	27.7	0	0	2.3E2	0.691
14199	9530	Sisma X SLV	55.8	0	0	0	2.0E2	0.691	14200	9530	Sisma Y SLV	0	55.8	0	0	2.0E2	0.691
14201	9530	Sisma X SLO	29.8	0	0	0	2.0E2	0.691	14202	9530	Sisma Y SLO	0	29.8	0	0	2.0E2	0.691
14203	9530	Sisma X SLD	24.7	0	0	0	2.0E2	0.691	14204	9530	Sisma Y SLD	0	24.7	0	0	2.0E2	0.691
14205	9531	Sisma X SLV	43.2	0	0	0	1.6E2	0.691	14206	9531	Sisma Y SLV	0	43.2	0	0	1.6E2	0.691
14207	9531	Sisma X SLO	23	0	0	0	1.6E2	0.691	14208	9531	Sisma Y SLO	0	23	0	0	1.6E2	0.691
14209	9531	Sisma X SLD	19.1	0	0	0	1.6E2	0.691	14210	9531	Sisma Y SLD	0	19.1	0	0	1.6E2	0.691
14211	9532	Sisma X SLV	45.6	0	0	0	1.7E2	0.691	14212	9532	Sisma Y SLV	0	45.6	0	0	1.7E2	0.691
14213	9532	Sisma X SLO	24.3	0	0	0	1.7E2	0.691	14214	9532	Sisma Y SLO	0	24.3	0	0	1.7E2	0.691
14215	9532	Sisma X SLD	20.2	0	0	0	1.7E2	0.691	14216	9532	Sisma Y SLD	0	20.2	0	0	1.7E2	0.691
14217	9533	Sisma X SLV	46.3	0	0	0	1.7E2	0.691	14218	9533	Sisma Y SLV	0	46.3	0	0	1.7E2	0.691
14219	9533	Sisma X SLO	24.7	0	0	0	1.7E2	0.691	14220	9533	Sisma Y SLO	0	24.7	0	0	1.7E2	0.691
14221	9533	Sisma X SLD	20.5	0	0	0	1.7E2	0.691	14222	9533	Sisma Y SLD	0	20.5	0	0	1.7E2	0.691
14223	9534	Sisma X SLV	46.5	0	0	0	1.7E2	0.691	14224	9534	Sisma Y SLV	0	46.5	0	0	1.7E2	0.691
14225	9534	Sisma X SLO	24.8	0	0	0	1.7E2	0.691	14226	9534	Sisma Y SLO	0	24.8	0	0	1.7E2	0.691
14227	9534	Sisma X SLD	20.6	0	0	0	1.7E2	0.691	14228	9534	Sisma Y SLD	0	20.6	0	0	1.7E2	0.691
14229	9535	Sisma X SLV	45.9	0	0	0	1.7E2	0.691	14230	9535	Sisma Y SLV	0	45.9	0	0	1.7E2	0.691
14231	9535	Sisma X SLO	24.5	0	0	0	1.7E2	0.691	14232	9535	Sisma Y SLO	0	24.5	0	0	1.7E2	0.691
14233	9535	Sisma X SLD	20.3	0	0	0	1.7E2	0.691	14234	9535	Sisma Y SLD	0	20.3	0	0	1.7E2	0.691
14235	9536	Sisma X SLV	46.4	0	0	0	1.7E2	0.691	14236	9536	Sisma Y SLV	0	46.4	0	0	1.7E2	0.691
14237	9536	Sisma X SLO	24.8	0	0	0	1.7E2	0.691	14238	9536	Sisma Y SLO	0	24.8	0	0	1.7E2	0.691
14239	9536	Sisma X SLD	20.6	0	0	0	1.7E2	0.691	14240	9536	Sisma Y SLD	0	20.6	0	0	1.7E2	0.691
14241	9537	Sisma X SLV	46.1	0	0	0	1.7E2	0.692	14242	9537	Sisma Y SLV	0	46.1	0	0	1.7E2	0.692
14243	9537	Sisma X SLO	24.6	0	0	0	1.7E2	0.692	14244	9537	Sisma Y SLO	0	24.6	0	0	1.7E2	0.692
14245	9537	Sisma X SLD	20.4	0	0	0	1.7E2	0.692	14246	9537	Sisma Y SLD	0	20.4	0	0	1.7E2	0.692
14247	9538	Sisma X SLV	45.7	0	0	0	1.7E2	0.692	14248	9538	Sisma Y SLV	0	45.7	0	0	1.7E2	0.692
14249	9538	Sisma X SLO	24.4	0	0	0	1.7E2	0.692	14250	9538	Sisma Y SLO	0	24.4	0	0	1.7E2	0.692
14251	9538	Sisma X SLD	20.2	0	0	0	1.7E2	0.692	14252	9538	Sisma Y SLD	0	20.2	0	0	1.7E2	0.692
14253	9539	Sisma X SLV	45.3	0	0	0	1.6E2	0.692	14254	9539	Sisma Y SLV	0	45.3	0	0	1.6E2	0.692
14255	9539	Sisma X SLO	24.2	0	0	0	1.6E2	0.692	14256	9539	Sisma Y SLO	0	24.2	0	0	1.6E2	0.692
14257	9539	Sisma X SLD	20.1	0	0	0	1.6E2	0.692	14258	9539	Sisma Y SLD	0	20.1	0	0	1.6E2	0.692
14259	9540	Sisma X SLV	43.9	0	0	0	1.6E2	0.692	14260	9540	Sisma Y SLV	0	43.9	0	0	1.6E2	0.692
14261	9540	Sisma X SLO	23.4	0	0	0	1.6E2	0.692	14262	9540	Sisma Y SLO	0	23.4	0	0	1.6E2	0.692
14263	9540	Sisma X SLD	19.4	0	0	0	1.6E2	0.692	14264	9540	Sisma Y SLD	0	19.4	0	0	1.6E2	0.692
14265	9541	Sisma X SLV	45.6	0	0	0	1.6E2	0.692	14266	9541	Sisma Y SLV	0	45.6	0	0	1.6E2	0.692
14267	9541	Sisma X SLO	24.3	0	0	0	1.6E2	0.692	14268	9541	Sisma Y SLO	0	24.3	0	0	1.6E2	0.692
14269	9541	Sisma X SLD	20.2	0	0	0	1.6E2	0.692	14270	9541	Sisma Y SLD	0	20.2	0	0	1.6E2	0.692
14271	9542	Sisma X SLV	42.2	0	0	0	1.5E2	0.692	14272	9542	Sisma Y SLV	0	42.2	0	0	1.5E2	0.692
14273	9542	Sisma X SLO	22.5	0	0	0	1.5E2	0.692	14274	9542	Sisma Y SLO	0	22.5	0	0	1.5E2	0.692
14275	9542	Sisma X SLD	18.7	0	0	0	1.5E2	0.692	14276	9542	Sisma Y SLD	0	18.7	0	0	1.5E2	0.692
14277	9543	Sisma X SLV	45.4	0	0	0	1.6E2	0.692	14278	9543	Sisma Y SLV	0	45.4	0	0	1.6E2	0.692
14279	9543	Sisma X SLO	24.2	0	0	0	1.6E2	0.692	14280	9543	Sisma Y SLO	0	24.2	0	0	1.6E2	0.692
14281	9543	Sisma X SLD	20.1	0	0	0	1.6E2	0.692	14282	9543	Sisma Y SLD	0	20.1	0	0	1.6E2	0.692
14283	9544	Sisma X SLV	45.4	0	0	0	1.6E2	0.693	14284	9544	Sisma Y SLV	0	45.4	0	0	1.6E2	0.693
14285	9544	Sisma X SLO	24.2	0	0	0	1.6E2	0.693	14286	9544	Sisma Y SLO	0	24.2	0	0	1.6E2	0.693
14287	9544	Sisma X SLD	20.1	0	0	0	1.6E2	0.693	14288	9544	Sisma Y SLD	0	20.1	0	0	1.6E2	0.693
14289	9545	Sisma X SLV	28.3	0	0	0	1.0E2	0.693	14290	9545	Sisma Y SLV	0	28.3	0	0	1.0E2	0.693
14291	9545	Sisma X SLO	15.1	0	0	0	1.0E2	0.693	14292	9545	Sisma Y SLO	0	15.1	0	0	1.0E2	0.693
14293	9545	Sisma X SLD	12.5	0	0	0	1.0E2	0.693	14294	9545	Sisma Y SLD	0	12.5	0	0	1.0E2	0.693
14295	9546	Sisma X SLV	22.6	0	0	0	8.2E1	0.693	14296	9546	Sisma Y SLV	0	22.6	0	0	8.2E1	0.693
14297	9546	Sisma X SLO	12	0	0	0	8.2E1	0.693	14298	9546	Sisma Y SLO	0	12	0	0	8.2E1	0.693
14299	9546	Sisma X SLD	10	0	0	0	8.2E1	0.693	14300	9546	Sisma Y SLD	0	10	0	0	8.2E1	0.693
14301	9547	Sisma X SLV	17	0	0	0	6.1E1	0.693	14302	9547	Sisma Y SLV	0	17	0	0	6.1E1	0.693
14303	9547	Sisma X SLO	9.1	0	0	0	6.1E1	0.693	14304	9547	Sisma Y SLO	0	9.1	0	0	6.1E1	0.693
14305	9547	Sisma X SLD	7.5	0	0	0	6.1E1	0.693	14306	9547	Sisma Y SLD	0	7.5	0	0	6.1E1	0.693
14307	9548	Sisma X SLV	17	0	0	0	6.1E1	0.693	14308	9548	Sisma Y SLV	0	17	0	0	6.1E1	0.693
14309	9548	Sisma X SLO	9.1	0	0	0	6.1E1	0.693	14310	9548	Sisma Y SLO	0	9.1	0	0	6.1E1	0.693
14311	9548	Sisma X SLD	7.5	0	0	0	6.1E1	0.693	14312	9548	Sisma Y SLD	0	7.5	0	0	6.1E1	0.693

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
14313	9549	Sisma X SLV	17	0	0	0	6.1E1	0.693	14314	9549	Sisma Y SLV	0	17	0	0	6.1E1	0.693
14315	9549	Sisma X SLO	9.1	0	0	0	6.1E1	0.693	14316	9549	Sisma Y SLO	0	9.1	0	0	6.1E1	0.693
14317	9549	Sisma X SLD	7.5	0	0	0	6.1E1	0.693	14318	9549	Sisma Y SLD	0	7.5	0	0	6.1E1	0.693
14319	9550	Sisma X SLV	16.1	0	0	0	5.8E1	0.693	14320	9550	Sisma Y SLV	0	16.1	0	0	5.8E1	0.693
14321	9550	Sisma X SLO	8.6	0	0	0	5.8E1	0.693	14322	9550	Sisma Y SLO	0	8.6	0	0	5.8E1	0.693
14323	9550	Sisma X SLD	7.1	0	0	0	5.8E1	0.693	14324	9550	Sisma Y SLD	0	7.1	0	0	5.8E1	0.693
14325	9551	Sisma X SLV	31.2	0	0	0	1.1E2	0.693	14326	9551	Sisma Y SLV	0	31.2	0	0	1.1E2	0.693
14327	9551	Sisma X SLO	16.6	0	0	0	1.1E2	0.693	14328	9551	Sisma Y SLO	0	16.6	0	0	1.1E2	0.693
14329	9551	Sisma X SLD	13.8	0	0	0	1.1E2	0.693	14330	9551	Sisma Y SLD	0	13.8	0	0	1.1E2	0.693
14331	9552	Sisma X SLV	35.2	0	0	0	1.3E2	0.693	14332	9552	Sisma Y SLV	0	35.2	0	0	1.3E2	0.693
14333	9552	Sisma X SLO	18.8	0	0	0	1.3E2	0.693	14334	9552	Sisma Y SLO	0	18.8	0	0	1.3E2	0.693
14335	9552	Sisma X SLD	15.6	0	0	0	1.3E2	0.693	14336	9552	Sisma Y SLD	0	15.6	0	0	1.3E2	0.693
14337	9553	Sisma X SLV	21.8	0	0	0	78.8	0.693	14338	9553	Sisma Y SLV	0	21.8	0	0	78.8	0.693
14339	9553	Sisma X SLO	11.6	0	0	0	78.8	0.693	14340	9553	Sisma Y SLO	0	11.6	0	0	78.8	0.693
14341	9553	Sisma X SLD	9.7	0	0	0	78.8	0.693	14342	9553	Sisma Y SLD	0	9.7	0	0	78.8	0.693
14343	9554	Sisma X SLV	21.8	0	0	0	78.8	0.693	14344	9554	Sisma Y SLV	0	21.8	0	0	78.8	0.693
14345	9554	Sisma X SLO	11.6	0	0	0	78.8	0.693	14346	9554	Sisma Y SLO	0	11.6	0	0	78.8	0.693
14347	9554	Sisma X SLD	9.7	0	0	0	78.8	0.693	14348	9554	Sisma Y SLD	0	9.7	0	0	78.8	0.693
14349	9555	Sisma X SLV	20.2	0	0	0	7.3E1	0.693	14350	9555	Sisma Y SLV	0	20.2	0	0	7.3E1	0.693
14351	9555	Sisma X SLO	10.8	0	0	0	7.3E1	0.693	14352	9555	Sisma Y SLO	0	10.8	0	0	7.3E1	0.693
14353	9555	Sisma X SLD	8.9	0	0	0	7.3E1	0.693	14354	9555	Sisma Y SLD	0	8.9	0	0	7.3E1	0.693
14355	9556	Sisma X SLV	36.1	0	0	0	1.3E2	0.693	14356	9556	Sisma Y SLV	0	36.1	0	0	1.3E2	0.693
14357	9556	Sisma X SLO	19.2	0	0	0	1.3E2	0.693	14358	9556	Sisma Y SLO	0	19.2	0	0	1.3E2	0.693
14359	9556	Sisma X SLD	16	0	0	0	1.3E2	0.693	14360	9556	Sisma Y SLD	0	16	0	0	1.3E2	0.693
14361	9557	Sisma X SLV	42.4	0	0	0	1.5E2	0.693	14362	9557	Sisma Y SLV	0	42.4	0	0	1.5E2	0.693
14363	9557	Sisma X SLO	22.6	0	0	0	1.5E2	0.693	14364	9557	Sisma Y SLO	0	22.6	0	0	1.5E2	0.693
14365	9557	Sisma X SLD	18.8	0	0	0	1.5E2	0.693	14366	9557	Sisma Y SLD	0	18.8	0	0	1.5E2	0.693
14367	9558	Sisma X SLV	45.2	0	0	0	1.6E2	0.693	14368	9558	Sisma Y SLV	0	45.2	0	0	1.6E2	0.693
14369	9558	Sisma X SLO	24.1	0	0	0	1.6E2	0.693	14370	9558	Sisma Y SLO	0	24.1	0	0	1.6E2	0.693
14371	9558	Sisma X SLD	20	0	0	0	1.6E2	0.693	14372	9558	Sisma Y SLD	0	20	0	0	1.6E2	0.693
14373	9559	Sisma X SLV	41.3	0	0	0	1.5E2	0.693	14374	9559	Sisma Y SLV	0	41.3	0	0	1.5E2	0.693
14375	9559	Sisma X SLO	22	0	0	0	1.5E2	0.693	14376	9559	Sisma Y SLO	0	22	0	0	1.5E2	0.693
14377	9559	Sisma X SLD	18.3	0	0	0	1.5E2	0.693	14378	9559	Sisma Y SLD	0	18.3	0	0	1.5E2	0.693
14379	9560	Sisma X SLV	45.1	0	0	0	1.6E2	0.693	14380	9560	Sisma Y SLV	0	45.1	0	0	1.6E2	0.693
14381	9560	Sisma X SLO	24	0	0	0	1.6E2	0.693	14382	9560	Sisma Y SLO	0	24	0	0	1.6E2	0.693
14383	9560	Sisma X SLD	19.9	0	0	0	1.6E2	0.693	14384	9560	Sisma Y SLD	0	19.9	0	0	1.6E2	0.693
14385	9561	Sisma X SLV	39.7	0	0	0	1.4E2	0.694	14386	9561	Sisma Y SLV	0	39.7	0	0	1.4E2	0.694
14387	9561	Sisma X SLO	21.2	0	0	0	1.4E2	0.694	14388	9561	Sisma Y SLO	0	21.2	0	0	1.4E2	0.694
14389	9561	Sisma X SLD	17.6	0	0	0	1.4E2	0.694	14390	9561	Sisma Y SLD	0	17.6	0	0	1.4E2	0.694
14391	9562	Sisma X SLV	39.2	0	0	0	1.4E2	0.694	14392	9562	Sisma Y SLV	0	39.2	0	0	1.4E2	0.694
14393	9562	Sisma X SLO	20.9	0	0	0	1.4E2	0.694	14394	9562	Sisma Y SLO	0	20.9	0	0	1.4E2	0.694
14395	9562	Sisma X SLD	17.3	0	0	0	1.4E2	0.694	14396	9562	Sisma Y SLD	0	17.3	0	0	1.4E2	0.694
14397	9563	Sisma X SLV	44.9	0	0	0	1.6E2	0.694	14398	9563	Sisma Y SLV	0	44.9	0	0	1.6E2	0.694
14399	9563	Sisma X SLO	23.9	0	0	0	1.6E2	0.694	14400	9563	Sisma Y SLO	0	23.9	0	0	1.6E2	0.694
14401	9563	Sisma X SLD	19.9	0	0	0	1.6E2	0.694	14402	9563	Sisma Y SLD	0	19.9	0	0	1.6E2	0.694
14403	9564	Sisma X SLV	38.7	0	0	0	1.4E2	0.694	14404	9564	Sisma Y SLV	0	38.7	0	0	1.4E2	0.694
14405	9564	Sisma X SLO	20.7	0	0	0	1.4E2	0.694	14406	9564	Sisma Y SLO	0	20.7	0	0	1.4E2	0.694
14407	9564	Sisma X SLD	17.1	0	0	0	1.4E2	0.694	14408	9564	Sisma Y SLD	0	17.1	0	0	1.4E2	0.694
14409	9565	Sisma X SLV	38.7	0	0	0	1.4E2	0.694	14410	9565	Sisma Y SLV	0	38.7	0	0	1.4E2	0.694
14411	9565	Sisma X SLO	20.6	0	0	0	1.4E2	0.694	14412	9565	Sisma Y SLO	0	20.6	0	0	1.4E2	0.694
14413	9565	Sisma X SLD	17.1	0	0	0	1.4E2	0.694	14414	9565	Sisma Y SLD	0	17.1	0	0	1.4E2	0.694
14415	9566	Sisma X SLV	44.7	0	0	0	1.6E2	0.694	14416	9566	Sisma Y SLV	0	44.7	0	0	1.6E2	0.694
14417	9566	Sisma X SLO	23.8	0	0	0	1.6E2	0.694	14418	9566	Sisma Y SLO	0	23.8	0	0	1.6E2	0.694
14419	9566	Sisma X SLD	19.8	0	0	0	1.6E2	0.694	14420	9566	Sisma Y SLD	0	19.8	0	0	1.6E2	0.694
14421	9567	Sisma X SLV	44.5	0	0	0	1.6E2	0.695	14422	9567	Sisma Y SLV	0	44.5	0	0	1.6E2	0.695
14423	9567	Sisma X SLO	23.7	0	0	0	1.6E2	0.695	14424	9567	Sisma Y SLO	0	23.7	0	0	1.6E2	0.695
14425	9567	Sisma X SLD	19.7	0	0	0	1.6E2	0.695	14426	9567	Sisma Y SLD	0	19.7	0	0	1.6E2	0.695
14427	9568	Sisma X SLV	34.9	0	0	0	1.3E2	0.695	14428	9568	Sisma Y SLV	0	34.9	0	0	1.3E2	0.695
14429	9568	Sisma X SLO	18.6	0	0	0	1.3E2	0.695	14430	9568	Sisma Y SLO	0	18.6	0	0	1.3E2	0.695
14431	9568	Sisma X SLD	15.5	0	0	0	1.3E2	0.695	14432	9568	Sisma Y SLD	0	15.5	0	0	1.3E2	0.695
14433	9569	Sisma X SLV	44.4	0	0	0	1.6E2	0.695	14434	9569	Sisma Y SLV	0	44.4	0	0	1.6E2	0.695
14435	9569	Sisma X SLO	23.7	0	0	0	1.6E2	0.695	14436	9569	Sisma Y SLO	0	23.7	0	0	1.6E2	0.695
14437	9569	Sisma X SLD	19.6	0	0	0	1.6E2	0.695	14438	9569	Sisma Y SLD	0	19.6	0	0	1.6E2	0.695
14439	9570	Sisma X SLV	44.2	0	0	0	1.6E2	0.695	14440	9570	Sisma Y SLV	0	44.2	0	0	1.6E2	0.695
14441	9570	Sisma X SLO	23.6	0	0	0	1.6E2	0.695	14442	9570	Sisma Y SLO	0	23.6	0	0	1.6E2	0.695
14443	9570	Sisma X SLD	19.6	0	0	0	1.6E2	0.695	14444	9570	Sisma Y SLD	0	19.6	0	0	1.6E2	0.695
14445	9571	Sisma X SLV	43.9	0	0	0	1.6E2	0.696	14446	9571	Sisma Y SLV	0	43.9	0	0	1.6E2	0.696
14447	9571	Sisma X SLO	23.4	0	0	0	1.6E2	0.696	14448	9571	Sisma Y SLO	0	23.4	0	0	1.6E2	0.696
14449	9571	Sisma X SLD	19.4	0	0	0	1.6E2	0.696	14450	9571	Sisma Y SLD	0	19.4	0	0	1.6E2	0.696
14451	9572	Sisma X SLV	37.6	0	0	0	1.3E2	0.697	14452	9572	Sisma Y SLV	0	37.6	0	0	1.3E2	0.697
14453	9572	Sisma X SLO	20	0	0	0	1.3E2	0.697	14454	9572	Sisma Y SLO	0	20	0	0	1.3E2	0.697
14455	9572	Sisma X SLD	16.6	0	0	0	1.3E2	0.697	14456	9572	Sisma Y SLD	0	16.6	0	0	1.3E2	0.697
14457	9573	Sisma X SLV	43.6	0	0	0	1.6E2	0.697	14458	9573	Sisma Y SLV	0	43.6	0	0	1.6E2	0.697
14459	9573	Sisma X SLO	23.2	0	0	0	1.6E2	0.697	14460	9573	Sisma Y SLO	0	23.2	0	0	1.6E2	0.697
14461	9573	Sisma X SLD	19.3	0	0	0	1.6E2	0.697	14462	9573	Sisma Y SLD	0	19.3	0	0	1.6E2	0.697
14463	9574	Sisma X SLV	32.8	0	0	0	117.2	0.7	14464	9574	Sisma Y SLV	0	32.8	0	0	117.2	0.7
14465	9574	Sisma X SLO	17.5	0	0	0	117.2	0.7	14466	9574	Sisma Y SLO	0	17.5	0	0	117.2	0.7
14467	9574	Sisma X SLD	14.5	0	0	0	117.2	0.7	14468	9574	Sisma Y SLD	0	14.5	0	0	117.2	0.7
14469	9575	Sisma X SLV	42.9	0	0	0	1.5E2	0.701	14470	9575	Sisma Y SLV	0	42.9	0	0	1.5E2	0.701
14471	9575	Sisma X SLO	22.9	0	0	0	1.5E2	0.701	14472	9575	Sisma Y SLO	0	22.9	0	0	1.5E2	0.701
14473	9575	Sisma X SLD	19	0	0	0	1.5E2	0.701	14474	9575	Sisma Y SLD	0	19	0	0	1.5E2	0.701
14475	9576	Sisma X SLV	40.1	0	0	0	1.4E2	0.702	14476	9576	Sisma Y SLV	0	40.1	0	0	1.4E2	0.702
14477	9576	Sisma X SLO	21.4	0	0	0	1.4E2	0.702	14478	9576	Sisma Y SLO	0	21.4	0	0	1.4E2	0.702
14479	9576	Sisma X SLD	17.8	0	0	0	1.4E2	0.702	14480	9576	Sisma Y SLD	0	17.8	0	0	1.4E2	0.702
14481	9577	Sisma X SLV	32.2	0	0	0	1.1E2	0.702	14482	9577	Sisma Y SLV	0	32.2	0	0	1.1E2	0.702
14483	9577	Sisma X SLO	17.2	0	0	0	1.1E2	0.702	14484	9577	Sisma Y SLO	0	17.2	0	0	1.1E2	0.702
14485	9577	Sisma X SLD	14.3	0	0	0	1.1E2	0.702	14486	9577	Sisma Y SLD	0	14.3	0	0	1.1E2	0.702
14487	9578	Sisma X SLV	34.7	0	0	0	1.2E2	0.703	14488	9578	Sisma Y SLV	0	34.7	0	0	1.2E2	0.703
14489	9578	Sisma X SLO	18.5	0	0	0	1.2E2	0.703	14490	9578	Sisma Y SLO	0	18.5	0	0	1.2E2	0.703
14491	9578	Sisma X SLD	15.4	0	0	0	1.2E2	0.703	14492	9578	Sisma Y SLD	0	15.4	0	0	1.2E2	0.703
14493	9579	Sisma X SLV	32.8	0	0	0	1.2E2	0.704	14494	9579	Sisma Y SLV	0	32.8	0	0	1.2E2	0.704
14495	9579	Sisma X SLO	17.5	0	0	0	1.2E2	0.704	14496	9579	Sisma Y SLO	0	17.5	0	0	1.2E2	0.704
14497	9579	Sisma X SLD	14.5	0	0	0	1.2E2	0.704	14498	9579	Sisma Y SLD	0	14.5	0	0	1.2E2	0.704
14499	9580	Sisma X SLV	34.2	0	0	0	1.2E2	0.704	14500	9580	Sisma Y SLV	0	34.2	0	0	1.2E2	0.704
14501	9580	Sisma X SLO	18.2	0	0	0	1.2E2	0.704	14502	9580	Sisma Y SLO	0	18.2	0	0	1.2E2	0.704
14503	9580	Sisma X SLD	15.1	0	0	0	1.2E2	0.704	14504	9580	Sisma Y SLD	0	15.1	0	0	1.2E2	0.704
14505	9581	Sisma X SLV	34.6	0	0	0	1.2E2	0.705	14506	9581	Sisma Y SLV	0	34.6	0	0	1.2E2	0.705
14507	9581	Sisma X SLO	18.4	0	0	0	1.2E2	0.705	14508	9581	Sisma Y SLO	0	18.4	0	0	1.2E2	0.705
14509	9581	Sisma X SLD	15.3	0	0	0	1.2E2	0.705	14510	9581	Sisma Y SLD	0	15.3	0	0	1.2E2	0.705
14511	9582	Sisma X SLV	39.2	0	0	0	1.4E2	0.705	14512	9582	Sisma Y SLV	0	39.2	0	0	1.4E2	0.705

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
14513	9582	Sisma X SLO	20.9	0	0	0	1.4E2	0.705	14514	9582	Sisma Y SLO	0	20.9	0	0	1.4E2	0.705
14515	9582	Sisma X SLD	17.3	0	0	0	1.4E2	0.705	14516	9582	Sisma Y SLD	0	17.3	0	0	1.4E2	0.705
14517	9583	Sisma X SLV	30.7	0	0	0	1.1E2	0.705	14518	9583	Sisma Y SLV	0	30.7	0	0	1.1E2	0.705
14519	9583	Sisma X SLO	16.3	0	0	0	1.1E2	0.705	14520	9583	Sisma Y SLO	0	16.3	0	0	1.1E2	0.705
14521	9583	Sisma X SLD	13.6	0	0	0	1.1E2	0.705	14522	9583	Sisma Y SLD	0	13.6	0	0	1.1E2	0.705
14523	9584	Sisma X SLV	36	0	0	0	1.3E2	0.705	14524	9584	Sisma Y SLV	0	36	0	0	1.3E2	0.705
14525	9584	Sisma X SLO	19.2	0	0	0	1.3E2	0.705	14526	9584	Sisma Y SLO	0	19.2	0	0	1.3E2	0.705
14527	9584	Sisma X SLD	15.9	0	0	0	1.3E2	0.705	14528	9584	Sisma Y SLD	0	15.9	0	0	1.3E2	0.705
14529	9585	Sisma X SLV	37.6	0	0	0	1.3E2	0.707	14530	9585	Sisma Y SLV	0	37.6	0	0	1.3E2	0.707
14531	9585	Sisma X SLO	20	0	0	0	1.3E2	0.707	14532	9585	Sisma Y SLO	0	20	0	0	1.3E2	0.707
14533	9585	Sisma X SLD	16.6	0	0	0	1.3E2	0.707	14534	9585	Sisma Y SLD	0	16.6	0	0	1.3E2	0.707
14535	9586	Sisma X SLV	31.1	0	0	0	1.1E2	0.707	14536	9586	Sisma Y SLV	0	31.1	0	0	1.1E2	0.707
14537	9586	Sisma X SLO	16.6	0	0	0	1.1E2	0.707	14538	9586	Sisma Y SLO	0	16.6	0	0	1.1E2	0.707
14539	9586	Sisma X SLD	13.8	0	0	0	1.1E2	0.707	14540	9586	Sisma Y SLD	0	13.8	0	0	1.1E2	0.707
14541	9587	Sisma X SLV	29.9	0	0	0	1.1E2	0.707	14542	9587	Sisma Y SLV	0	29.9	0	0	1.1E2	0.707
14543	9587	Sisma X SLO	15.9	0	0	0	1.1E2	0.707	14544	9587	Sisma Y SLO	0	15.9	0	0	1.1E2	0.707
14545	9587	Sisma X SLD	13.2	0	0	0	1.1E2	0.707	14546	9587	Sisma Y SLD	0	13.2	0	0	1.1E2	0.707
14547	9588	Sisma X SLV	40.8	0	0	0	1.4E2	0.708	14548	9588	Sisma Y SLV	0	40.8	0	0	1.4E2	0.708
14549	9588	Sisma X SLO	21.7	0	0	0	1.4E2	0.708	14550	9588	Sisma Y SLO	0	21.7	0	0	1.4E2	0.708
14551	9588	Sisma X SLD	18.1	0	0	0	1.4E2	0.708	14552	9588	Sisma Y SLD	0	18.1	0	0	1.4E2	0.708
14553	9589	Sisma X SLV	39.6	0	0	0	1.4E2	0.708	14554	9589	Sisma Y SLV	0	39.6	0	0	1.4E2	0.708
14555	9589	Sisma X SLO	21.1	0	0	0	1.4E2	0.708	14556	9589	Sisma Y SLO	0	21.1	0	0	1.4E2	0.708
14557	9589	Sisma X SLD	17.5	0	0	0	1.4E2	0.708	14558	9589	Sisma Y SLD	0	17.5	0	0	1.4E2	0.708
14559	9590	Sisma X SLV	32.7	0	0	0	1.2E2	0.708	14560	9590	Sisma Y SLV	0	32.7	0	0	1.2E2	0.708
14561	9590	Sisma X SLO	17.5	0	0	0	1.2E2	0.708	14562	9590	Sisma Y SLO	0	17.5	0	0	1.2E2	0.708
14563	9590	Sisma X SLD	14.5	0	0	0	1.2E2	0.708	14564	9590	Sisma Y SLD	0	14.5	0	0	1.2E2	0.708
14565	9591	Sisma X SLV	31.2	0	0	0	1.1E2	0.709	14566	9591	Sisma Y SLV	0	31.2	0	0	1.1E2	0.709
14567	9591	Sisma X SLO	16.7	0	0	0	1.1E2	0.709	14568	9591	Sisma Y SLO	0	16.7	0	0	1.1E2	0.709
14569	9591	Sisma X SLD	13.8	0	0	0	1.1E2	0.709	14570	9591	Sisma Y SLD	0	13.8	0	0	1.1E2	0.709
14571	9592	Sisma X SLV	43.3	0	0	0	1.5E2	0.709	14572	9592	Sisma Y SLV	0	43.3	0	0	1.5E2	0.709
14573	9592	Sisma X SLO	23.1	0	0	0	1.5E2	0.709	14574	9592	Sisma Y SLO	0	23.1	0	0	1.5E2	0.709
14575	9592	Sisma X SLD	19.2	0	0	0	1.5E2	0.709	14576	9592	Sisma Y SLD	0	19.2	0	0	1.5E2	0.709
14577	9593	Sisma X SLV	34.5	0	0	0	1.2E2	0.71	14578	9593	Sisma Y SLV	0	34.5	0	0	1.2E2	0.71
14579	9593	Sisma X SLO	18.4	0	0	0	1.2E2	0.71	14580	9593	Sisma Y SLO	0	18.4	0	0	1.2E2	0.71
14581	9593	Sisma X SLD	15.3	0	0	0	1.2E2	0.71	14582	9593	Sisma Y SLD	0	15.3	0	0	1.2E2	0.71
14583	9594	Sisma X SLV	36.3	0	0	0	1.3E2	0.711	14584	9594	Sisma Y SLV	0	36.3	0	0	1.3E2	0.711
14585	9594	Sisma X SLO	19.4	0	0	0	1.3E2	0.711	14586	9594	Sisma Y SLO	0	19.4	0	0	1.3E2	0.711
14587	9594	Sisma X SLD	16.1	0	0	0	1.3E2	0.711	14588	9594	Sisma Y SLD	0	16.1	0	0	1.3E2	0.711
14589	9595	Sisma X SLV	31.9	0	0	0	1.1E2	0.711	14590	9595	Sisma Y SLV	0	31.9	0	0	1.1E2	0.711
14591	9595	Sisma X SLO	17	0	0	0	1.1E2	0.711	14592	9595	Sisma Y SLO	0	17	0	0	1.1E2	0.711
14593	9595	Sisma X SLD	14.1	0	0	0	1.1E2	0.711	14594	9595	Sisma Y SLD	0	14.1	0	0	1.1E2	0.711
14595	9596	Sisma X SLV	28.2	0	0	0	9.9E1	0.711	14596	9596	Sisma Y SLV	0	28.2	0	0	9.9E1	0.711
14597	9596	Sisma X SLO	15	0	0	0	9.9E1	0.711	14598	9596	Sisma Y SLO	0	15	0	0	9.9E1	0.711
14599	9596	Sisma X SLD	12.5	0	0	0	9.9E1	0.711	14600	9596	Sisma Y SLD	0	12.5	0	0	9.9E1	0.711
14601	9597	Sisma X SLV	44.3	0	0	0	1.6E2	0.711	14602	9597	Sisma Y SLV	0	44.3	0	0	1.6E2	0.711
14603	9597	Sisma X SLO	23.6	0	0	0	1.6E2	0.711	14604	9597	Sisma Y SLO	0	23.6	0	0	1.6E2	0.711
14605	9597	Sisma X SLD	19.6	0	0	0	1.6E2	0.711	14606	9597	Sisma Y SLD	0	19.6	0	0	1.6E2	0.711
14607	9598	Sisma X SLV	32.4	0	0	0	1.1E2	0.711	14608	9598	Sisma Y SLV	0	32.4	0	0	1.1E2	0.711
14609	9598	Sisma X SLO	17.3	0	0	0	1.1E2	0.711	14610	9598	Sisma Y SLO	0	17.3	0	0	1.1E2	0.711
14611	9598	Sisma X SLD	14.3	0	0	0	1.1E2	0.711	14612	9598	Sisma Y SLD	0	14.3	0	0	1.1E2	0.711
14613	9599	Sisma X SLV	32.2	0	0	0	1.1E2	0.711	14614	9599	Sisma Y SLV	0	32.2	0	0	1.1E2	0.711
14615	9599	Sisma X SLO	17.1	0	0	0	1.1E2	0.711	14616	9599	Sisma Y SLO	0	17.1	0	0	1.1E2	0.711
14617	9599	Sisma X SLD	14.2	0	0	0	1.1E2	0.711	14618	9599	Sisma Y SLD	0	14.2	0	0	1.1E2	0.711
14619	9600	Sisma X SLV	31	0	0	0	1.1E2	0.711	14620	9600	Sisma Y SLV	0	31	0	0	1.1E2	0.711
14621	9600	Sisma X SLO	16.5	0	0	0	1.1E2	0.711	14622	9600	Sisma Y SLO	0	16.5	0	0	1.1E2	0.711
14623	9600	Sisma X SLD	13.7	0	0	0	1.1E2	0.711	14624	9600	Sisma Y SLD	0	13.7	0	0	1.1E2	0.711
14625	9601	Sisma X SLV	36.3	0	0	0	1.3E2	0.711	14626	9601	Sisma Y SLV	0	36.3	0	0	1.3E2	0.711
14627	9601	Sisma X SLO	19.3	0	0	0	1.3E2	0.711	14628	9601	Sisma Y SLO	0	19.3	0	0	1.3E2	0.711
14629	9601	Sisma X SLD	16	0	0	0	1.3E2	0.711	14630	9601	Sisma Y SLD	0	16	0	0	1.3E2	0.711
14631	9602	Sisma X SLV	35.4	0	0	0	1.2E2	0.711	14632	9602	Sisma Y SLV	0	35.4	0	0	1.2E2	0.711
14633	9602	Sisma X SLO	18.9	0	0	0	1.2E2	0.711	14634	9602	Sisma Y SLO	0	18.9	0	0	1.2E2	0.711
14635	9602	Sisma X SLD	15.7	0	0	0	1.2E2	0.711	14636	9602	Sisma Y SLD	0	15.7	0	0	1.2E2	0.711
14637	9603	Sisma X SLV	31.7	0	0	0	1.1E2	0.712	14638	9603	Sisma Y SLV	0	31.7	0	0	1.1E2	0.712
14639	9603	Sisma X SLO	16.9	0	0	0	1.1E2	0.712	14640	9603	Sisma Y SLO	0	16.9	0	0	1.1E2	0.712
14641	9603	Sisma X SLD	14	0	0	0	1.1E2	0.712	14642	9603	Sisma Y SLD	0	14	0	0	1.1E2	0.712
14643	9604	Sisma X SLV	35.5	0	0	0	1.2E2	0.712	14644	9604	Sisma Y SLV	0	35.5	0	0	1.2E2	0.712
14645	9604	Sisma X SLO	18.9	0	0	0	1.2E2	0.712	14646	9604	Sisma Y SLO	0	18.9	0	0	1.2E2	0.712
14647	9604	Sisma X SLD	15.7	0	0	0	1.2E2	0.712	14648	9604	Sisma Y SLD	0	15.7	0	0	1.2E2	0.712
14649	9605	Sisma X SLV	29.5	0	0	0	1.0E2	0.712	14650	9605	Sisma Y SLV	0	29.5	0	0	1.0E2	0.712
14651	9605	Sisma X SLO	15.8	0	0	0	1.0E2	0.712	14652	9605	Sisma Y SLO	0	15.8	0	0	1.0E2	0.712
14653	9605	Sisma X SLD	13.1	0	0	0	1.0E2	0.712	14654	9605	Sisma Y SLD	0	13.1	0	0	1.0E2	0.712
14655	9606	Sisma X SLV	32.8	0	0	0	1.2E2	0.712	14656	9606	Sisma Y SLV	0	32.8	0	0	1.2E2	0.712
14657	9606	Sisma X SLO	17.5	0	0	0	1.2E2	0.712	14658	9606	Sisma Y SLO	0	17.5	0	0	1.2E2	0.712
14659	9606	Sisma X SLD	14.5	0	0	0	1.2E2	0.712	14660	9606	Sisma Y SLD	0	14.5	0	0	1.2E2	0.712
14661	9607	Sisma X SLV	37.2	0	0	0	1.3E2	0.712	14662	9607	Sisma Y SLV	0	37.2	0	0	1.3E2	0.712
14663	9607	Sisma X SLO	19.8	0	0	0	1.3E2	0.712	14664	9607	Sisma Y SLO	0	19.8	0	0	1.3E2	0.712
14665	9607	Sisma X SLD	16.4	0	0	0	1.3E2	0.712	14666	9607	Sisma Y SLD	0	16.4	0	0	1.3E2	0.712
14667	9608	Sisma X SLV	14.8	0	0	0	5.2E1	0.712	14668	9608	Sisma Y SLV	0	14.8	0	0	5.2E1	0.712
14669	9608	Sisma X SLO	7.9	0	0	0	5.2E1	0.712	14670	9608	Sisma Y SLO	0	7.9	0	0	5.2E1	0.712
14671	9608	Sisma X SLD	6.5	0	0	0	5.2E1	0.712	14672	9608	Sisma Y SLD	0	6.5	0	0	5.2E1	0.712
14673	9609	Sisma X SLV	29.6	0	0	0	1.0E2	0.712	14674	9609	Sisma Y SLV	0	29.6	0	0	1.0E2	0.712
14675	9609	Sisma X SLO	15.8	0	0	0	1.0E2	0.712	14676	9609	Sisma Y SLO	0	15.8	0	0	1.0E2	0.712
14677	9609	Sisma X SLD	13.1	0	0	0	1.0E2	0.712	14678	9609	Sisma Y SLD	0	13.1	0	0	1.0E2	0.712
14679	9610	Sisma X SLV	23.6	0	0	0	8.3E1	0.712	14680	9610	Sisma Y SLV	0	23.6	0	0	8.3E1	0.712
14681	9610	Sisma X SLO	12.6	0	0	0	8.3E1	0.712	14682	9610	Sisma Y SLO	0	12.6	0	0	8.3E1	0.712
14683	9610	Sisma X SLD	10.5	0	0	0	8.3E1	0.712	14684	9610	Sisma Y SLD	0	10.5	0	0	8.3E1	0.712
14685	9611	Sisma X SLV	17.7	0	0	0	6.2E1	0.712	14686	9611	Sisma Y SLV	0	17.7	0	0	6.2E1	0.712
14687	9611	Sisma X SLO	9.4	0	0	0	6.2E1	0.712	14688	9611	Sisma Y SLO	0	9.4	0	0	6.2E1	0.712
14689	9611	Sisma X SLD	7.8	0	0	0	6.2E1	0.712	14690	9611	Sisma Y SLD	0	7.8	0	0	6.2E1	0.712
14691	9612	Sisma X SLV	17.7	0	0	0	6.2E1	0.712	14692	9612	Sisma Y SLV	0	17.7	0	0	6.2E1	0.712
14693	9612	Sisma X SLO	9.4	0	0	0	6.2E1	0.712	14694	9612	Sisma Y SLO	0	9.4	0	0	6.2E1	0.712
14695	9612	Sisma X SLD	7.8	0	0	0	6.2E1	0.712	14696	9612	Sisma Y SLD	0	7.8	0	0	6.2E1	0.712
14697	9613	Sisma X SLV	17.7	0	0	0	6.2E1	0.712	14698	9613	Sisma Y SLV	0	17.7	0	0	6.2E1	0.712
14699	9613	Sisma X SLO	9.4	0	0	0	6.2E1	0.712	14700	9613	Sisma Y SLO	0	9.4	0	0	6.2E1	0.712
14701	9613	Sisma X SLD	7.8	0	0	0	6.2E1	0.712	14702	9613	Sisma Y SLD	0	7.8	0	0	6.2E1	0.712
14703	9614	Sisma X SLV	38.4	0	0	0	1.3E2	0.712	14704	9614	Sisma Y SLV	0	38.4	0	0	1.3E2	0.712
14705	9614	Sisma X SLO	20.5	0	0	0	1.3E2	0.712	14706	9614	Sisma Y SLO	0	20.5	0	0	1.3E2	0.712
14707	9614	Sisma X SLD	17	0	0	0	1.3E2	0.712	14708	9614	Sisma Y SLD	0	17	0	0	1.3E2	0.712
14709	9615	Sisma X SLV	50.6	0	0	0	1.8E2	0.712	14710	9615	Sisma Y SLV	0	50.6	0	0	1.8E2	0.712
14711	9615	Sisma X SLO	27	0	0	0	1.8E2	0.712	14712	9615	Sisma Y SLO	0	27	0	0	1.8E2	0.712

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
14713	9615	Sisma X SLD	22.4	0	0	0	1.8E2	0.712	14714	9615	Sisma Y SLD	0	22.4	0	0	1.8E2	0.712
14715	9616	Sisma X SLV	37.5	0	0	0	1.3E2	0.713	14716	9616	Sisma Y SLV	0	37.5	0	0	1.3E2	0.713
14717	9616	Sisma X SLO	20	0	0	0	1.3E2	0.713	14718	9616	Sisma Y SLO	0	20	0	0	1.3E2	0.713
14719	9616	Sisma X SLD	16.6	0	0	0	1.3E2	0.713	14720	9616	Sisma Y SLD	0	16.6	0	0	1.3E2	0.713
14721	9617	Sisma X SLV	29	0	0	0	1.0E2	0.713	14722	9617	Sisma Y SLV	0	29	0	0	1.0E2	0.713
14723	9617	Sisma X SLO	15.4	0	0	0	1.0E2	0.713	14724	9617	Sisma Y SLO	0	15.4	0	0	1.0E2	0.713
14725	9617	Sisma X SLD	12.8	0	0	0	1.0E2	0.713	14726	9617	Sisma Y SLD	0	12.8	0	0	1.0E2	0.713
14727	9618	Sisma X SLV	37.9	0	0	0	1.3E2	0.713	14728	9618	Sisma Y SLV	0	37.9	0	0	1.3E2	0.713
14729	9618	Sisma X SLO	20.2	0	0	0	1.3E2	0.713	14730	9618	Sisma Y SLO	0	20.2	0	0	1.3E2	0.713
14731	9618	Sisma X SLD	16.8	0	0	0	1.3E2	0.713	14732	9618	Sisma Y SLD	0	16.8	0	0	1.3E2	0.713
14733	9619	Sisma X SLV	34.5	0	0	0	1.2E2	0.713	14734	9619	Sisma Y SLV	0	34.5	0	0	1.2E2	0.713
14735	9619	Sisma X SLO	18.4	0	0	0	1.2E2	0.713	14736	9619	Sisma Y SLO	0	18.4	0	0	1.2E2	0.713
14737	9619	Sisma X SLD	15.3	0	0	0	1.2E2	0.713	14738	9619	Sisma Y SLD	0	15.3	0	0	1.2E2	0.713
14739	9620	Sisma X SLV	32.8	0	0	0	1.2E2	0.713	14740	9620	Sisma Y SLV	0	32.8	0	0	1.2E2	0.713
14741	9620	Sisma X SLO	17.5	0	0	0	1.2E2	0.713	14742	9620	Sisma Y SLO	0	17.5	0	0	1.2E2	0.713
14743	9620	Sisma X SLD	14.5	0	0	0	1.2E2	0.713	14744	9620	Sisma Y SLD	0	14.5	0	0	1.2E2	0.713
14745	9621	Sisma X SLV	33.8	0	0	0	1.2E2	0.713	14746	9621	Sisma Y SLV	0	33.8	0	0	1.2E2	0.713
14747	9621	Sisma X SLO	18	0	0	0	1.2E2	0.713	14748	9621	Sisma Y SLO	0	18	0	0	1.2E2	0.713
14749	9621	Sisma X SLD	14.9	0	0	0	1.2E2	0.713	14750	9621	Sisma Y SLD	0	14.9	0	0	1.2E2	0.713
14751	9622	Sisma X SLV	28.5	0	0	0	1.0E2	0.714	14752	9622	Sisma Y SLV	0	28.5	0	0	1.0E2	0.714
14753	9622	Sisma X SLO	15.2	0	0	0	1.0E2	0.714	14754	9622	Sisma Y SLO	0	15.2	0	0	1.0E2	0.714
14755	9622	Sisma X SLD	12.6	0	0	0	1.0E2	0.714	14756	9622	Sisma Y SLD	0	12.6	0	0	1.0E2	0.714
14757	9623	Sisma X SLV	26	0	0	0	9.1E1	0.714	14758	9623	Sisma Y SLV	0	26	0	0	9.1E1	0.714
14759	9623	Sisma X SLO	13.9	0	0	0	9.1E1	0.714	14760	9623	Sisma Y SLO	0	13.9	0	0	9.1E1	0.714
14761	9623	Sisma X SLD	11.5	0	0	0	9.1E1	0.714	14762	9623	Sisma Y SLD	0	11.5	0	0	9.1E1	0.714
14763	9624	Sisma X SLV	28.3	0	0	0	9.9E1	0.714	14764	9624	Sisma Y SLV	0	28.3	0	0	9.9E1	0.714
14765	9624	Sisma X SLO	15.1	0	0	0	9.9E1	0.714	14766	9624	Sisma Y SLO	0	15.1	0	0	9.9E1	0.714
14767	9624	Sisma X SLD	12.5	0	0	0	9.9E1	0.714	14768	9624	Sisma Y SLD	0	12.5	0	0	9.9E1	0.714
14769	9625	Sisma X SLV	29.2	0	0	0	1.0E2	0.714	14770	9625	Sisma Y SLV	0	29.2	0	0	1.0E2	0.714
14771	9625	Sisma X SLO	15.6	0	0	0	1.0E2	0.714	14772	9625	Sisma Y SLO	0	15.6	0	0	1.0E2	0.714
14773	9625	Sisma X SLD	12.9	0	0	0	1.0E2	0.714	14774	9625	Sisma Y SLD	0	12.9	0	0	1.0E2	0.714
14775	9626	Sisma X SLV	30.7	0	0	0	1.1E2	0.714	14776	9626	Sisma Y SLV	0	30.7	0	0	1.1E2	0.714
14777	9626	Sisma X SLO	16.4	0	0	0	1.1E2	0.714	14778	9626	Sisma Y SLO	0	16.4	0	0	1.1E2	0.714
14779	9626	Sisma X SLD	13.6	0	0	0	1.1E2	0.714	14780	9626	Sisma Y SLD	0	13.6	0	0	1.1E2	0.714
14781	9627	Sisma X SLV	30.3	0	0	0	1.1E2	0.714	14782	9627	Sisma Y SLV	0	30.3	0	0	1.1E2	0.714
14783	9627	Sisma X SLO	16.1	0	0	0	1.1E2	0.714	14784	9627	Sisma Y SLO	0	16.1	0	0	1.1E2	0.714
14785	9627	Sisma X SLD	13.4	0	0	0	1.1E2	0.714	14786	9627	Sisma Y SLD	0	13.4	0	0	1.1E2	0.714
14787	9628	Sisma X SLV	28.5	0	0	0	1.0E2	0.714	14788	9628	Sisma Y SLV	0	28.5	0	0	1.0E2	0.714
14789	9628	Sisma X SLO	15.2	0	0	0	1.0E2	0.714	14790	9628	Sisma Y SLO	0	15.2	0	0	1.0E2	0.714
14791	9628	Sisma X SLD	12.6	0	0	0	1.0E2	0.714	14792	9628	Sisma Y SLD	0	12.6	0	0	1.0E2	0.714
14793	9629	Sisma X SLV	35.7	0	0	0	1.3E2	0.714	14794	9629	Sisma Y SLV	0	35.7	0	0	1.3E2	0.714
14795	9629	Sisma X SLO	19	0	0	0	1.3E2	0.714	14796	9629	Sisma Y SLO	0	19	0	0	1.3E2	0.714
14797	9629	Sisma X SLD	15.8	0	0	0	1.3E2	0.714	14798	9629	Sisma Y SLD	0	15.8	0	0	1.3E2	0.714
14799	9630	Sisma X SLV	30.9	0	0	0	108.1	0.714	14800	9630	Sisma Y SLV	0	30.9	0	0	108.1	0.714
14801	9630	Sisma X SLO	16.5	0	0	0	108.1	0.714	14802	9630	Sisma Y SLO	0	16.5	0	0	108.1	0.714
14803	9630	Sisma X SLD	13.7	0	0	0	108.1	0.714	14804	9630	Sisma Y SLD	0	13.7	0	0	108.1	0.714
14805	9631	Sisma X SLV	32.5	0	0	0	1.1E2	0.714	14806	9631	Sisma Y SLV	0	32.5	0	0	1.1E2	0.714
14807	9631	Sisma X SLO	17.3	0	0	0	1.1E2	0.714	14808	9631	Sisma Y SLO	0	17.3	0	0	1.1E2	0.714
14809	9631	Sisma X SLD	14.4	0	0	0	1.1E2	0.714	14810	9631	Sisma Y SLD	0	14.4	0	0	1.1E2	0.714
14811	9632	Sisma X SLV	26.2	0	0	0	9.2E1	0.715	14812	9632	Sisma Y SLV	0	26.2	0	0	9.2E1	0.715
14813	9632	Sisma X SLO	14	0	0	0	9.2E1	0.715	14814	9632	Sisma Y SLO	0	14	0	0	9.2E1	0.715
14815	9632	Sisma X SLD	11.6	0	0	0	9.2E1	0.715	14816	9632	Sisma Y SLD	0	11.6	0	0	9.2E1	0.715
14817	9633	Sisma X SLV	27.2	0	0	0	9.5E1	0.715	14818	9633	Sisma Y SLV	0	27.2	0	0	9.5E1	0.715
14819	9633	Sisma X SLO	14.5	0	0	0	9.5E1	0.715	14820	9633	Sisma Y SLO	0	14.5	0	0	9.5E1	0.715
14821	9633	Sisma X SLD	12	0	0	0	9.5E1	0.715	14822	9633	Sisma Y SLD	0	12	0	0	9.5E1	0.715
14823	9634	Sisma X SLV	28.5	0	0	0	1.0E2	0.715	14824	9634	Sisma Y SLV	0	28.5	0	0	1.0E2	0.715
14825	9634	Sisma X SLO	15.2	0	0	0	1.0E2	0.715	14826	9634	Sisma Y SLO	0	15.2	0	0	1.0E2	0.715
14827	9634	Sisma X SLD	12.6	0	0	0	1.0E2	0.715	14828	9634	Sisma Y SLD	0	12.6	0	0	1.0E2	0.715
14829	9635	Sisma X SLV	28.7	0	0	0	1.0E2	0.715	14830	9635	Sisma Y SLV	0	28.7	0	0	1.0E2	0.715
14831	9635	Sisma X SLO	15.3	0	0	0	1.0E2	0.715	14832	9635	Sisma Y SLO	0	15.3	0	0	1.0E2	0.715
14833	9635	Sisma X SLD	12.7	0	0	0	1.0E2	0.715	14834	9635	Sisma Y SLD	0	12.7	0	0	1.0E2	0.715
14835	9636	Sisma X SLV	33.7	0	0	0	1.2E2	0.715	14836	9636	Sisma Y SLV	0	33.7	0	0	1.2E2	0.715
14837	9636	Sisma X SLO	18	0	0	0	1.2E2	0.715	14838	9636	Sisma Y SLO	0	18	0	0	1.2E2	0.715
14839	9636	Sisma X SLD	14.9	0	0	0	1.2E2	0.715	14840	9636	Sisma Y SLD	0	14.9	0	0	1.2E2	0.715
14841	9637	Sisma X SLV	26.8	0	0	0	9.4E1	0.715	14842	9637	Sisma Y SLV	0	26.8	0	0	9.4E1	0.715
14843	9637	Sisma X SLO	14.3	0	0	0	9.4E1	0.715	14844	9637	Sisma Y SLO	0	14.3	0	0	9.4E1	0.715
14845	9637	Sisma X SLD	11.9	0	0	0	9.4E1	0.715	14846	9637	Sisma Y SLD	0	11.9	0	0	9.4E1	0.715
14847	9638	Sisma X SLV	30.9	0	0	0	1.1E2	0.715	14848	9638	Sisma Y SLV	0	30.9	0	0	1.1E2	0.715
14849	9638	Sisma X SLO	16.5	0	0	0	1.1E2	0.715	14850	9638	Sisma Y SLO	0	16.5	0	0	1.1E2	0.715
14851	9638	Sisma X SLD	13.7	0	0	0	1.1E2	0.715	14852	9638	Sisma Y SLD	0	13.7	0	0	1.1E2	0.715
14853	9639	Sisma X SLV	29.3	0	0	0	1.0E2	0.715	14854	9639	Sisma Y SLV	0	29.3	0	0	1.0E2	0.715
14855	9639	Sisma X SLO	15.6	0	0	0	1.0E2	0.715	14856	9639	Sisma Y SLO	0	15.6	0	0	1.0E2	0.715
14857	9639	Sisma X SLD	13	0	0	0	1.0E2	0.715	14858	9639	Sisma Y SLD	0	13	0	0	1.0E2	0.715
14859	9640	Sisma X SLV	32.1	0	0	0	1.1E2	0.715	14860	9640	Sisma Y SLV	0	32.1	0	0	1.1E2	0.715
14861	9640	Sisma X SLO	17.1	0	0	0	1.1E2	0.715	14862	9640	Sisma Y SLO	0	17.1	0	0	1.1E2	0.715
14863	9640	Sisma X SLD	14.2	0	0	0	1.1E2	0.715	14864	9640	Sisma Y SLD	0	14.2	0	0	1.1E2	0.715
14865	9641	Sisma X SLV	29.6	0	0	0	1.0E2	0.715	14866	9641	Sisma Y SLV	0	29.6	0	0	1.0E2	0.715
14867	9641	Sisma X SLO	15.8	0	0	0	1.0E2	0.715	14868	9641	Sisma Y SLO	0	15.8	0	0	1.0E2	0.715
14869	9641	Sisma X SLD	13.1	0	0	0	1.0E2	0.715	14870	9641	Sisma Y SLD	0	13.1	0	0	1.0E2	0.715
14871	9642	Sisma X SLV	36.1	0	0	0	1.3E2	0.715	14872	9642	Sisma Y SLV	0	36.1	0	0	1.3E2	0.715
14873	9642	Sisma X SLO	19.2	0	0	0	1.3E2	0.715	14874	9642	Sisma Y SLO	0	19.2	0	0	1.3E2	0.715
14875	9642	Sisma X SLD	16	0	0	0	1.3E2	0.715	14876	9642	Sisma Y SLD	0	16	0	0	1.3E2	0.715
14877	9643	Sisma X SLV	28.2	0	0	0	9.8E1	0.715	14878	9643	Sisma Y SLV	0	28.2	0	0	9.8E1	0.715
14879	9643	Sisma X SLO	15	0	0	0	9.8E1	0.715	14880	9643	Sisma Y SLO	0	15	0	0	9.8E1	0.715
14881	9643	Sisma X SLD	12.5	0	0	0	9.8E1	0.715	14882	9643	Sisma Y SLD	0	12.5	0	0	9.8E1	0.715
14883	9644	Sisma X SLV	32.2	0	0	0	1.1E2	0.716	14884	9644	Sisma Y SLV	0	32.2	0	0	1.1E2	0.716
14885	9644	Sisma X SLO	17.2	0	0	0	1.1E2	0.716	14886	9644	Sisma Y SLO	0	17.2	0	0	1.1E2	0.716
14887	9644	Sisma X SLD	14.3	0	0	0	1.1E2	0.716	14888	9644	Sisma Y SLD	0	14.3	0	0	1.1E2	0.716
14889	9645	Sisma X SLV	30.9	0	0	0	1.1E2	0.716	14890	9645	Sisma Y SLV	0	30.9	0	0	1.1E2	0.716
14891	9645	Sisma X SLO	16.5	0	0	0	1.1E2	0.716	14892	9645	Sisma Y SLO	0	16.5	0	0	1.1E2	0.716
14893	9645	Sisma X SLD	13.7	0	0	0	1.1E2	0.716	14894	9645	Sisma Y SLD	0	13.7	0	0	1.1E2	0.716
14895	9646	Sisma X SLV	32.1	0	0	0	1.1E2	0.716	14896	9646	Sisma Y SLV	0	32.1	0	0	1.1E2	0.716
14897	9646	Sisma X SLO	17.1	0	0	0	1.1E2	0.716	14898	9646	Sisma Y SLO	0	17.1	0	0	1.1E2	0.716
14899	9646	Sisma X SLD	14.2	0	0	0	1.1E2	0.716	14900	9646	Sisma Y SLD	0	14.2	0	0	1.1E2	0.716
14901	9647	Sisma X SLV	29.9	0	0	0	1.0E2	0.716	14902	9647	Sisma Y SLV	0	29.9	0	0	1.0E2	0.716
14903	9647	Sisma X SLO	15.9	0	0	0	1.0E2	0.716	14904	9647	Sisma Y SLO	0	15.9	0	0	1.0E2	0.716
14905	9647	Sisma X SLD	13.2	0	0	0	1.0E2	0.716	14906	9647	Sisma Y SLD	0	13.2	0	0	1.0E2	0.716
14907	9648	Sisma X SLV	29.6	0	0	0	1.0E2	0.716	14908	9648	Sisma Y SLV	0	29.6	0	0	1.0E2	0.716
14909	9648	Sisma X SLO	15.8	0	0	0	1.0E2	0.716	14910	9648	Sisma Y SLO	0	15.8	0	0	1.0E2	0.716
14911	9648	Sisma X SLD	13.1	0	0	0	1.0E2	0.716	14912	9648	Sisma Y SLD	0	13.1	0	0	1.0E2	0.716

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
14913	9649	Sisma X SLV	28.7	0	0	0	1.0E2	0.716	14914	9649	Sisma Y SLV	0	28.7	0	0	1.0E2	0.716
14915	9649	Sisma X SLO	15.3	0	0	0	1.0E2	0.716	14916	9649	Sisma Y SLO	0	15.3	0	0	1.0E2	0.716
14917	9649	Sisma X SLD	12.7	0	0	0	1.0E2	0.716	14918	9649	Sisma Y SLD	0	12.7	0	0	1.0E2	0.716
14919	9650	Sisma X SLV	23.4	0	0	0	8.2E1	0.716	14920	9650	Sisma Y SLV	0	23.4	0	0	8.2E1	0.716
14921	9650	Sisma X SLO	12.5	0	0	0	8.2E1	0.716	14922	9650	Sisma Y SLO	0	12.5	0	0	8.2E1	0.716
14923	9650	Sisma X SLD	10.3	0	0	0	8.2E1	0.716	14924	9650	Sisma Y SLD	0	10.3	0	0	8.2E1	0.716
14925	9651	Sisma X SLV	28.6	0	0	0	1.0E2	0.716	14926	9651	Sisma Y SLV	0	28.6	0	0	1.0E2	0.716
14927	9651	Sisma X SLO	15.2	0	0	0	1.0E2	0.716	14928	9651	Sisma Y SLO	0	15.2	0	0	1.0E2	0.716
14929	9651	Sisma X SLD	12.6	0	0	0	1.0E2	0.716	14930	9651	Sisma Y SLD	0	12.6	0	0	1.0E2	0.716
14931	9652	Sisma X SLV	33	0	0	0	1.2E2	0.716	14932	9652	Sisma Y SLV	0	33	0	0	1.2E2	0.716
14933	9652	Sisma X SLO	17.6	0	0	0	1.2E2	0.716	14934	9652	Sisma Y SLO	0	17.6	0	0	1.2E2	0.716
14935	9652	Sisma X SLD	14.6	0	0	0	1.2E2	0.716	14936	9652	Sisma Y SLD	0	14.6	0	0	1.2E2	0.716
14937	9653	Sisma X SLV	33.5	0	0	0	1.2E2	0.716	14938	9653	Sisma Y SLV	0	33.5	0	0	1.2E2	0.716
14939	9653	Sisma X SLO	17.8	0	0	0	1.2E2	0.716	14940	9653	Sisma Y SLO	0	17.8	0	0	1.2E2	0.716
14941	9653	Sisma X SLD	14.8	0	0	0	1.2E2	0.716	14942	9653	Sisma Y SLD	0	14.8	0	0	1.2E2	0.716
14943	9654	Sisma X SLV	28.5	0	0	0	1.0E2	0.716	14944	9654	Sisma Y SLV	0	28.5	0	0	1.0E2	0.716
14945	9654	Sisma X SLO	15.2	0	0	0	1.0E2	0.716	14946	9654	Sisma Y SLO	0	15.2	0	0	1.0E2	0.716
14947	9654	Sisma X SLD	12.6	0	0	0	1.0E2	0.716	14948	9654	Sisma Y SLD	0	12.6	0	0	1.0E2	0.716
14949	9655	Sisma X SLV	28.6	0	0	0	1.0E2	0.716	14950	9655	Sisma Y SLV	0	28.6	0	0	1.0E2	0.716
14951	9655	Sisma X SLO	15.2	0	0	0	1.0E2	0.716	14952	9655	Sisma Y SLO	0	15.2	0	0	1.0E2	0.716
14953	9655	Sisma X SLD	12.7	0	0	0	1.0E2	0.716	14954	9655	Sisma Y SLD	0	12.7	0	0	1.0E2	0.716
14955	9656	Sisma X SLV	37.6	0	0	0	1.3E2	0.716	14956	9656	Sisma Y SLV	0	37.6	0	0	1.3E2	0.716
14957	9656	Sisma X SLO	20.1	0	0	0	1.3E2	0.716	14958	9656	Sisma Y SLO	0	20.1	0	0	1.3E2	0.716
14959	9656	Sisma X SLD	16.7	0	0	0	1.3E2	0.716	14960	9656	Sisma Y SLD	0	16.7	0	0	1.3E2	0.716
14961	9657	Sisma X SLV	28.7	0	0	0	1.0E2	0.716	14962	9657	Sisma Y SLV	0	28.7	0	0	1.0E2	0.716
14963	9657	Sisma X SLO	15.3	0	0	0	1.0E2	0.716	14964	9657	Sisma Y SLO	0	15.3	0	0	1.0E2	0.716
14965	9657	Sisma X SLD	12.7	0	0	0	1.0E2	0.716	14966	9657	Sisma Y SLD	0	12.7	0	0	1.0E2	0.716
14967	9658	Sisma X SLV	34	0	0	0	1.2E2	0.716	14968	9658	Sisma Y SLV	0	34	0	0	1.2E2	0.716
14969	9658	Sisma X SLO	18.1	0	0	0	1.2E2	0.716	14970	9658	Sisma Y SLO	0	18.1	0	0	1.2E2	0.716
14971	9658	Sisma X SLD	15	0	0	0	1.2E2	0.716	14972	9658	Sisma Y SLD	0	15	0	0	1.2E2	0.716
14973	9659	Sisma X SLV	34.5	0	0	0	1.2E2	0.717	14974	9659	Sisma Y SLV	0	34.5	0	0	1.2E2	0.717
14975	9659	Sisma X SLO	18.4	0	0	0	1.2E2	0.717	14976	9659	Sisma Y SLO	0	18.4	0	0	1.2E2	0.717
14977	9659	Sisma X SLD	15.3	0	0	0	1.2E2	0.717	14978	9659	Sisma Y SLD	0	15.3	0	0	1.2E2	0.717
14979	9660	Sisma X SLV	28	0	0	0	9.8E1	0.717	14980	9660	Sisma Y SLV	0	28	0	0	9.8E1	0.717
14981	9660	Sisma X SLO	14.9	0	0	0	9.8E1	0.717	14982	9660	Sisma Y SLO	0	14.9	0	0	9.8E1	0.717
14983	9660	Sisma X SLD	12.4	0	0	0	9.8E1	0.717	14984	9660	Sisma Y SLD	0	12.4	0	0	9.8E1	0.717
14985	9661	Sisma X SLV	23.9	0	0	0	83.29	0.717	14986	9661	Sisma Y SLV	0	23.9	0	0	83.29	0.717
14987	9661	Sisma X SLO	12.7	0	0	0	83.29	0.717	14988	9661	Sisma Y SLO	0	12.7	0	0	83.29	0.717
14989	9661	Sisma X SLD	10.6	0	0	0	83.29	0.717	14990	9661	Sisma Y SLD	0	10.6	0	0	83.29	0.717
14991	9662	Sisma X SLV	26.8	0	0	0	9.4E1	0.717	14992	9662	Sisma Y SLV	0	26.8	0	0	9.4E1	0.717
14993	9662	Sisma X SLO	14.3	0	0	0	9.4E1	0.717	14994	9662	Sisma Y SLO	0	14.3	0	0	9.4E1	0.717
14995	9662	Sisma X SLD	11.9	0	0	0	9.4E1	0.717	14996	9662	Sisma Y SLD	0	11.9	0	0	9.4E1	0.717
14997	9663	Sisma X SLV	30.6	0	0	0	1.1E2	0.717	14998	9663	Sisma Y SLV	0	30.6	0	0	1.1E2	0.717
14999	9663	Sisma X SLO	16.3	0	0	0	1.1E2	0.717	15000	9663	Sisma Y SLO	0	16.3	0	0	1.1E2	0.717
15001	9663	Sisma X SLD	13.5	0	0	0	1.1E2	0.717	15002	9663	Sisma Y SLD	0	13.5	0	0	1.1E2	0.717
15003	9664	Sisma X SLV	29.5	0	0	0	1.0E2	0.717	15004	9664	Sisma Y SLV	0	29.5	0	0	1.0E2	0.717
15005	9664	Sisma X SLO	15.7	0	0	0	1.0E2	0.717	15006	9664	Sisma Y SLO	0	15.7	0	0	1.0E2	0.717
15007	9664	Sisma X SLD	13	0	0	0	1.0E2	0.717	15008	9664	Sisma Y SLD	0	13	0	0	1.0E2	0.717
15009	9665	Sisma X SLV	28.5	0	0	0	1.0E2	0.717	15010	9665	Sisma Y SLV	0	28.5	0	0	1.0E2	0.717
15011	9665	Sisma X SLO	15.2	0	0	0	1.0E2	0.717	15012	9665	Sisma Y SLO	0	15.2	0	0	1.0E2	0.717
15013	9665	Sisma X SLD	12.6	0	0	0	1.0E2	0.717	15014	9665	Sisma Y SLD	0	12.6	0	0	1.0E2	0.717
15015	9666	Sisma X SLV	26.3	0	0	0	9.2E1	0.717	15016	9666	Sisma Y SLV	0	26.3	0	0	9.2E1	0.717
15017	9666	Sisma X SLO	14	0	0	0	9.2E1	0.717	15018	9666	Sisma Y SLO	0	14	0	0	9.2E1	0.717
15019	9666	Sisma X SLD	11.7	0	0	0	9.2E1	0.717	15020	9666	Sisma Y SLD	0	11.7	0	0	9.2E1	0.717
15021	9667	Sisma X SLV	28.7	0	0	0	1.0E2	0.718	15022	9667	Sisma Y SLV	0	28.7	0	0	1.0E2	0.718
15023	9667	Sisma X SLO	15.3	0	0	0	1.0E2	0.718	15024	9667	Sisma Y SLO	0	15.3	0	0	1.0E2	0.718
15025	9667	Sisma X SLD	12.7	0	0	0	1.0E2	0.718	15026	9667	Sisma Y SLD	0	12.7	0	0	1.0E2	0.718
15027	9668	Sisma X SLV	31.1	0	0	0	108.4	0.718	15028	9668	Sisma Y SLV	0	31.1	0	0	108.4	0.718
15029	9668	Sisma X SLO	16.6	0	0	0	108.4	0.718	15030	9668	Sisma Y SLO	0	16.6	0	0	108.4	0.718
15031	9668	Sisma X SLD	13.8	0	0	0	108.4	0.718	15032	9668	Sisma Y SLD	0	13.8	0	0	108.4	0.718
15033	9669	Sisma X SLV	31.8	0	0	0	1.1E2	0.718	15034	9669	Sisma Y SLV	0	31.8	0	0	1.1E2	0.718
15035	9669	Sisma X SLO	17	0	0	0	1.1E2	0.718	15036	9669	Sisma Y SLO	0	17	0	0	1.1E2	0.718
15037	9669	Sisma X SLD	14.1	0	0	0	1.1E2	0.718	15038	9669	Sisma Y SLD	0	14.1	0	0	1.1E2	0.718
15039	9670	Sisma X SLV	29.5	0	0	0	1.0E2	0.718	15040	9670	Sisma Y SLV	0	29.5	0	0	1.0E2	0.718
15041	9670	Sisma X SLO	15.7	0	0	0	1.0E2	0.718	15042	9670	Sisma Y SLO	0	15.7	0	0	1.0E2	0.718
15043	9670	Sisma X SLD	13	0	0	0	1.0E2	0.718	15044	9670	Sisma Y SLD	0	13	0	0	1.0E2	0.718
15045	9671	Sisma X SLV	33.8	0	0	0	1.2E2	0.718	15046	9671	Sisma Y SLV	0	33.8	0	0	1.2E2	0.718
15047	9671	Sisma X SLO	18	0	0	0	1.2E2	0.718	15048	9671	Sisma Y SLO	0	18	0	0	1.2E2	0.718
15049	9671	Sisma X SLD	15	0	0	0	1.2E2	0.718	15050	9671	Sisma Y SLD	0	15	0	0	1.2E2	0.718
15051	9672	Sisma X SLV	25.6	0	0	0	8.9E1	0.718	15052	9672	Sisma Y SLV	0	25.6	0	0	8.9E1	0.718
15053	9672	Sisma X SLO	13.7	0	0	0	8.9E1	0.718	15054	9672	Sisma Y SLO	0	13.7	0	0	8.9E1	0.718
15055	9672	Sisma X SLD	11.3	0	0	0	8.9E1	0.718	15056	9672	Sisma Y SLD	0	11.3	0	0	8.9E1	0.718
15057	9673	Sisma X SLV	33.2	0	0	0	1.2E2	0.718	15058	9673	Sisma Y SLV	0	33.2	0	0	1.2E2	0.718
15059	9673	Sisma X SLO	17.7	0	0	0	1.2E2	0.718	15060	9673	Sisma Y SLO	0	17.7	0	0	1.2E2	0.718
15061	9673	Sisma X SLD	14.7	0	0	0	1.2E2	0.718	15062	9673	Sisma Y SLD	0	14.7	0	0	1.2E2	0.718
15063	9674	Sisma X SLV	26.9	0	0	0	9.4E1	0.718	15064	9674	Sisma Y SLV	0	26.9	0	0	9.4E1	0.718
15065	9674	Sisma X SLO	14.3	0	0	0	9.4E1	0.718	15066	9674	Sisma Y SLO	0	14.3	0	0	9.4E1	0.718
15067	9674	Sisma X SLD	11.9	0	0	0	9.4E1	0.718	15068	9674	Sisma Y SLD	0	11.9	0	0	9.4E1	0.718
15069	9675	Sisma X SLV	27.3	0	0	0	9.5E1	0.718	15070	9675	Sisma Y SLV	0	27.3	0	0	9.5E1	0.718
15071	9675	Sisma X SLO	14.6	0	0	0	9.5E1	0.718	15072	9675	Sisma Y SLO	0	14.6	0	0	9.5E1	0.718
15073	9675	Sisma X SLD	12.1	0	0	0	9.5E1	0.718	15074	9675	Sisma Y SLD	0	12.1	0	0	9.5E1	0.718
15075	9676	Sisma X SLV	27	0	0	0	9.4E1	0.718	15076	9676	Sisma Y SLV	0	27	0	0	9.4E1	0.718
15077	9676	Sisma X SLO	14.4	0	0	0	9.4E1	0.718	15078	9676	Sisma Y SLO	0	14.4	0	0	9.4E1	0.718
15079	9676	Sisma X SLD	12	0	0	0	9.4E1	0.718	15080	9676	Sisma Y SLD	0	12	0	0	9.4E1	0.718
15081	9677	Sisma X SLV	25.4	0	0	0	8.8E1	0.718	15082	9677	Sisma Y SLV	0	25.4	0	0	8.8E1	0.718
15083	9677	Sisma X SLO	13.5	0	0	0	8.8E1	0.718	15084	9677	Sisma Y SLO	0	13.5	0	0	8.8E1	0.718
15085	9677	Sisma X SLD	11.2	0	0	0	8.8E1	0.718	15086	9677	Sisma Y SLD	0	11.2	0	0	8.8E1	0.718
15087	9678	Sisma X SLV	33	0	0	0	1.1E2	0.719	15088	9678	Sisma Y SLV	0	33	0	0	1.1E2	0.719
15089	9678	Sisma X SLO	17.6	0	0	0	1.1E2	0.719	15090	9678	Sisma Y SLO	0	17.6	0	0	1.1E2	0.719
15091	9678	Sisma X SLD	14.6	0	0	0	1.1E2	0.719	15092	9678	Sisma Y SLD	0	14.6	0	0	1.1E2	0.719
15093	9679	Sisma X SLV	25.3	0	0	0	8.8E1	0.719	15094	9679	Sisma Y SLV	0	25.3	0	0	8.8E1	0.719
15095	9679	Sisma X SLO	13.5	0	0	0	8.8E1	0.719	15096	9679	Sisma Y SLO	0	13.5	0	0	8.8E1	0.719
15097	9679	Sisma X SLD	11.2	0	0	0	8.8E1	0.719	15098	9679	Sisma Y SLD	0	11.2	0	0	8.8E1	0.719
15099	9680	Sisma X SLV	24.9	0	0	0	8.7E1	0.719	15100	9680	Sisma Y SLV	0	24.9	0	0	8.7E1	0.719
15101	9680	Sisma X SLO	13.3	0	0	0	8.7E1	0.719	15102	9680	Sisma Y SLO	0	13.3	0	0	8.7E1	0.719
15103	9680	Sisma X SLD	11	0	0	0	8.7E1	0.719	15104	9680	Sisma Y SLD	0	11	0	0	8.7E1	0.719
15105	9681	Sisma X SLV	26	0	0	0	9.0E1	0.72	15106	9681	Sisma Y SLV	0	26	0	0	9.0E1	0.72
15107	9681	Sisma X SLO	13.9	0	0	0	9.0E1	0.72	15108	9681	Sisma Y SLO	0	13.9	0	0	9.0E1	0.72
15109	9681	Sisma X SLD	11.5	0	0	0	9.0E1	0.72	15110	9681	Sisma Y SLD	0	11.5	0	0	9.0E1	0.72
15111	9682	Sisma X SLV	24.8	0	0	0	8.6E1	0.72	15112	9682	Sisma Y SLV	0	24.8	0	0	8.6E1	0.72

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
15113	9682	Sisma X SLO	13.2	0	0	0	8.6E1	0.72	15114	9682	Sisma Y SLO	0	13.2	0	0	8.6E1	0.72
15115	9682	Sisma X SLD	11	0	0	0	8.6E1	0.72	15116	9682	Sisma Y SLD	0	11	0	0	8.6E1	0.72
15117	9683	Sisma X SLV	25	0	0	0	8.7E1	0.72	15118	9683	Sisma Y SLV	0	25	0	0	8.7E1	0.72
15119	9683	Sisma X SLO	13.3	0	0	0	8.7E1	0.72	15120	9683	Sisma Y SLO	0	13.3	0	0	8.7E1	0.72
15121	9683	Sisma X SLD	11.1	0	0	0	8.7E1	0.72	15122	9683	Sisma Y SLD	0	11.1	0	0	8.7E1	0.72
15123	9684	Sisma X SLV	24.9	0	0	0	8.7E1	0.72	15124	9684	Sisma Y SLV	0	24.9	0	0	8.7E1	0.72
15125	9684	Sisma X SLO	13.3	0	0	0	8.7E1	0.72	15126	9684	Sisma Y SLO	0	13.3	0	0	8.7E1	0.72
15127	9684	Sisma X SLD	11	0	0	0	8.7E1	0.72	15128	9684	Sisma Y SLD	0	11	0	0	8.7E1	0.72
15129	9685	Sisma X SLV	27	0	0	0	9.4E1	0.72	15130	9685	Sisma Y SLV	0	27	0	0	9.4E1	0.72
15131	9685	Sisma X SLO	14.4	0	0	0	9.4E1	0.72	15132	9685	Sisma Y SLO	0	14.4	0	0	9.4E1	0.72
15133	9685	Sisma X SLD	12	0	0	0	9.4E1	0.72	15134	9685	Sisma Y SLD	0	12	0	0	9.4E1	0.72
15135	9686	Sisma X SLV	26.6	0	0	0	9.2E1	0.72	15136	9686	Sisma Y SLV	0	26.6	0	0	9.2E1	0.72
15137	9686	Sisma X SLO	14.2	0	0	0	9.2E1	0.72	15138	9686	Sisma Y SLO	0	14.2	0	0	9.2E1	0.72
15139	9686	Sisma X SLD	11.8	0	0	0	9.2E1	0.72	15140	9686	Sisma Y SLD	0	11.8	0	0	9.2E1	0.72
15141	9687	Sisma X SLV	25.3	0	0	0	8.8E1	0.721	15142	9687	Sisma Y SLV	0	25.3	0	0	8.8E1	0.721
15143	9687	Sisma X SLO	13.5	0	0	0	8.8E1	0.721	15144	9687	Sisma Y SLO	0	13.5	0	0	8.8E1	0.721
15145	9687	Sisma X SLD	11.2	0	0	0	8.8E1	0.721	15146	9687	Sisma Y SLD	0	11.2	0	0	8.8E1	0.721
15147	9688	Sisma X SLV	24.9	0	0	0	8.6E1	0.721	15148	9688	Sisma Y SLV	0	24.9	0	0	8.6E1	0.721
15149	9688	Sisma X SLO	13.3	0	0	0	8.6E1	0.721	15150	9688	Sisma Y SLO	0	13.3	0	0	8.6E1	0.721
15151	9688	Sisma X SLD	11	0	0	0	8.6E1	0.721	15152	9688	Sisma Y SLD	0	11	0	0	8.6E1	0.721
15153	9689	Sisma X SLV	23.7	0	0	0	8.2E1	0.722	15154	9689	Sisma Y SLV	0	23.7	0	0	8.2E1	0.722
15155	9689	Sisma X SLO	12.6	0	0	0	8.2E1	0.722	15156	9689	Sisma Y SLO	0	12.6	0	0	8.2E1	0.722
15157	9689	Sisma X SLD	10.5	0	0	0	8.2E1	0.722	15158	9689	Sisma Y SLD	0	10.5	0	0	8.2E1	0.722
15159	9690	Sisma X SLV	24.5	0	0	0	8.5E1	0.722	15160	9690	Sisma Y SLV	0	24.5	0	0	8.5E1	0.722
15161	9690	Sisma X SLO	13	0	0	0	8.5E1	0.722	15162	9690	Sisma Y SLO	0	13	0	0	8.5E1	0.722
15163	9690	Sisma X SLD	10.8	0	0	0	8.5E1	0.722	15164	9690	Sisma Y SLD	0	10.8	0	0	8.5E1	0.722
15165	9691	Sisma X SLV	24.1	0	0	0	8.4E1	0.722	15166	9691	Sisma Y SLV	0	24.1	0	0	8.4E1	0.722
15167	9691	Sisma X SLO	12.9	0	0	0	8.4E1	0.722	15168	9691	Sisma Y SLO	0	12.9	0	0	8.4E1	0.722
15169	9691	Sisma X SLD	10.7	0	0	0	8.4E1	0.722	15170	9691	Sisma Y SLD	0	10.7	0	0	8.4E1	0.722
15171	9692	Sisma X SLV	22.8	0	0	0	7.9E1	0.723	15172	9692	Sisma Y SLV	0	22.8	0	0	7.9E1	0.723
15173	9692	Sisma X SLO	12.1	0	0	0	7.9E1	0.723	15174	9692	Sisma Y SLO	0	12.1	0	0	7.9E1	0.723
15175	9692	Sisma X SLD	10.1	0	0	0	7.9E1	0.723	15176	9692	Sisma Y SLD	0	10.1	0	0	7.9E1	0.723
15177	9693	Sisma X SLV	23	0	0	0	8.0E1	0.724	15178	9693	Sisma Y SLV	0	23	0	0	8.0E1	0.724
15179	9693	Sisma X SLO	12.3	0	0	0	8.0E1	0.724	15180	9693	Sisma Y SLO	0	12.3	0	0	8.0E1	0.724
15181	9693	Sisma X SLD	10.2	0	0	0	8.0E1	0.724	15182	9693	Sisma Y SLD	0	10.2	0	0	8.0E1	0.724
15183	9694	Sisma X SLV	23.3	0	0	0	8.1E1	0.725	15184	9694	Sisma Y SLV	0	23.3	0	0	8.1E1	0.725
15185	9694	Sisma X SLO	12.4	0	0	0	8.1E1	0.725	15186	9694	Sisma Y SLO	0	12.4	0	0	8.1E1	0.725
15187	9694	Sisma X SLD	10.3	0	0	0	8.1E1	0.725	15188	9694	Sisma Y SLD	0	10.3	0	0	8.1E1	0.725
15189	9695	Sisma X SLV	22.9	0	0	0	7.9E1	0.725	15190	9695	Sisma Y SLV	0	22.9	0	0	7.9E1	0.725
15191	9695	Sisma X SLO	12.2	0	0	0	7.9E1	0.725	15192	9695	Sisma Y SLO	0	12.2	0	0	7.9E1	0.725
15193	9695	Sisma X SLD	10.1	0	0	0	7.9E1	0.725	15194	9695	Sisma Y SLD	0	10.1	0	0	7.9E1	0.725
15195	9696	Sisma X SLV	23.6	0	0	0	8.2E1	0.725	15196	9696	Sisma Y SLV	0	23.6	0	0	8.2E1	0.725
15197	9696	Sisma X SLO	12.6	0	0	0	8.2E1	0.725	15198	9696	Sisma Y SLO	0	12.6	0	0	8.2E1	0.725
15199	9696	Sisma X SLD	10.5	0	0	0	8.2E1	0.725	15200	9696	Sisma Y SLD	0	10.5	0	0	8.2E1	0.725
15201	9697	Sisma X SLV	12.5	0	0	0	4.1E1	0.768	15202	9697	Sisma Y SLV	0	12.5	0	0	4.1E1	0.768
15203	9697	Sisma X SLO	6.7	0	0	0	4.1E1	0.768	15204	9697	Sisma Y SLO	0	6.7	0	0	4.1E1	0.768
15205	9697	Sisma X SLD	5.5	0	0	0	4.1E1	0.768	15206	9697	Sisma Y SLD	0	5.5	0	0	4.1E1	0.768
15207	9698	Sisma X SLV	497.5	0	0	0	1.6E3	0.768	15208	9698	Sisma Y SLV	0	497.5	0	0	1.6E3	0.768
15209	9698	Sisma X SLO	265.3	0	0	0	1.6E3	0.768	15210	9698	Sisma Y SLO	0	265.3	0	0	1.6E3	0.768
15211	9698	Sisma X SLD	220.2	0	0	0	1.6E3	0.768	15212	9698	Sisma Y SLD	0	220.2	0	0	1.6E3	0.768
15213	9699	Sisma X SLV	204	0	0	0	6.6E2	0.768	15214	9699	Sisma Y SLV	0	204	0	0	6.6E2	0.768
15215	9699	Sisma X SLO	108.8	0	0	0	6.6E2	0.768	15216	9699	Sisma Y SLO	0	108.8	0	0	6.6E2	0.768
15217	9699	Sisma X SLD	90.3	0	0	0	6.6E2	0.768	15218	9699	Sisma Y SLD	0	90.3	0	0	6.6E2	0.768
15219	9700	Sisma X SLV	221.8	0	0	0	7.2E2	0.768	15220	9700	Sisma Y SLV	0	221.8	0	0	7.2E2	0.768
15221	9700	Sisma X SLO	118.3	0	0	0	7.2E2	0.768	15222	9700	Sisma Y SLO	0	118.3	0	0	7.2E2	0.768
15223	9700	Sisma X SLD	98.2	0	0	0	7.2E2	0.768	15224	9700	Sisma Y SLD	0	98.2	0	0	7.2E2	0.768
15225	9701	Sisma X SLV	222.3	0	0	0	7.2E2	0.768	15226	9701	Sisma Y SLV	0	222.3	0	0	7.2E2	0.768
15227	9701	Sisma X SLO	118.5	0	0	0	7.2E2	0.768	15228	9701	Sisma Y SLO	0	118.5	0	0	7.2E2	0.768
15229	9701	Sisma X SLD	98.4	0	0	0	7.2E2	0.768	15230	9701	Sisma Y SLD	0	98.4	0	0	7.2E2	0.768
15231	9702	Sisma X SLV	256.2	0	0	0	8.3E2	0.768	15232	9702	Sisma Y SLV	0	256.2	0	0	8.3E2	0.768
15233	9702	Sisma X SLO	136.6	0	0	0	8.3E2	0.768	15234	9702	Sisma Y SLO	0	136.6	0	0	8.3E2	0.768
15235	9702	Sisma X SLD	113.4	0	0	0	8.3E2	0.768	15236	9702	Sisma Y SLD	0	113.4	0	0	8.3E2	0.768
15237	9703	Sisma X SLV	290.8	0	0	0	9.5E2	0.768	15238	9703	Sisma Y SLV	0	290.8	0	0	9.5E2	0.768
15239	9703	Sisma X SLO	155.1	0	0	0	9.5E2	0.768	15240	9703	Sisma Y SLO	0	155.1	0	0	9.5E2	0.768
15241	9703	Sisma X SLD	128.7	0	0	0	9.5E2	0.768	15242	9703	Sisma Y SLD	0	128.7	0	0	9.5E2	0.768
15243	9704	Sisma X SLV	292.3	0	0	0	9.5E2	0.768	15244	9704	Sisma Y SLV	0	292.3	0	0	9.5E2	0.768
15245	9704	Sisma X SLO	155.8	0	0	0	9.5E2	0.768	15246	9704	Sisma Y SLO	0	155.8	0	0	9.5E2	0.768
15247	9704	Sisma X SLD	129.3	0	0	0	9.5E2	0.768	15248	9704	Sisma Y SLD	0	129.3	0	0	9.5E2	0.768
15249	9705	Sisma X SLV	287.2	0	0	0	9.4E2	0.768	15250	9705	Sisma Y SLV	0	287.2	0	0	9.4E2	0.768
15251	9705	Sisma X SLO	153.1	0	0	0	9.4E2	0.768	15252	9705	Sisma Y SLO	0	153.1	0	0	9.4E2	0.768
15253	9705	Sisma X SLD	127.1	0	0	0	9.4E2	0.768	15254	9705	Sisma Y SLD	0	127.1	0	0	9.4E2	0.768
15255	9706	Sisma X SLV	281.5	0	0	0	9.2E2	0.768	15256	9706	Sisma Y SLV	0	281.5	0	0	9.2E2	0.768
15257	9706	Sisma X SLO	150.1	0	0	0	9.2E2	0.768	15258	9706	Sisma Y SLO	0	150.1	0	0	9.2E2	0.768
15259	9706	Sisma X SLD	124.6	0	0	0	9.2E2	0.768	15260	9706	Sisma Y SLD	0	124.6	0	0	9.2E2	0.768
15261	9707	Sisma X SLV	281.4	0	0	0	9.2E2	0.768	15262	9707	Sisma Y SLV	0	281.4	0	0	9.2E2	0.768
15263	9707	Sisma X SLO	150	0	0	0	9.2E2	0.768	15264	9707	Sisma Y SLO	0	150	0	0	9.2E2	0.768
15265	9707	Sisma X SLD	124.5	0	0	0	9.2E2	0.768	15266	9707	Sisma Y SLD	0	124.5	0	0	9.2E2	0.768
15267	9708	Sisma X SLV	281.1	0	0	0	9.2E2	0.768	15268	9708	Sisma Y SLV	0	281.1	0	0	9.2E2	0.768
15269	9708	Sisma X SLO	149.9	0	0	0	9.2E2	0.768	15270	9708	Sisma Y SLO	0	149.9	0	0	9.2E2	0.768
15271	9708	Sisma X SLD	124.4	0	0	0	9.2E2	0.768	15272	9708	Sisma Y SLD	0	124.4	0	0	9.2E2	0.768
15273	9709	Sisma X SLV	280.7	0	0	0	9.1E2	0.768	15274	9709	Sisma Y SLV	0	280.7	0	0	9.1E2	0.768
15275	9709	Sisma X SLO	149.6	0	0	0	9.1E2	0.768	15276	9709	Sisma Y SLO	0	149.6	0	0	9.1E2	0.768
15277	9709	Sisma X SLD	124.2	0	0	0	9.1E2	0.768	15278	9709	Sisma Y SLD	0	124.2	0	0	9.1E2	0.768
15279	9710	Sisma X SLV	266.1	0	0	0	8.7E2	0.768	15280	9710	Sisma Y SLV	0	266.1	0	0	8.7E2	0.768
15281	9710	Sisma X SLO	141.9	0	0	0	8.7E2	0.768	15282	9710	Sisma Y SLO	0	141.9	0	0	8.7E2	0.768
15283	9710	Sisma X SLD	117.7	0	0	0	8.7E2	0.768	15284	9710	Sisma Y SLD	0	117.7	0	0	8.7E2	0.768
15285	9711	Sisma X SLV	251	0	0	0	8.2E2	0.768	15286	9711	Sisma Y SLV	0	251	0	0	8.2E2	0.768
15287	9711	Sisma X SLO	133.8	0	0	0	8.2E2	0.768	15288	9711	Sisma Y SLO	0	133.8	0	0	8.2E2	0.768
15289	9711	Sisma X SLD	111.1	0	0	0	8.2E2	0.768	15290	9711	Sisma Y SLD	0	111.1	0	0	8.2E2	0.768
15291	9712	Sisma X SLV	249.5	0	0	0	8.1E2	0.768	15292	9712	Sisma Y SLV	0	249.5	0	0	8.1E2	0.768
15293	9712	Sisma X SLO	133	0	0	0	8.1E2	0.768	15294	9712	Sisma Y SLO	0	133	0	0	8.1E2	0.768
15295	9712	Sisma X SLD	110.4	0	0	0	8.1E2	0.768	15296	9712	Sisma Y SLD	0	110.4	0	0	8.1E2	0.768
15297	9713	Sisma X SLV	126.8	0	0	0	4.1E2	0.768	15298	9713	Sisma Y SLV	0	126.8	0	0	4.1E2	0.768
15299	9713	Sisma X SLO	67.6	0	0	0	4.1E2	0.768	15300	9713	Sisma Y SLO	0	67.6	0	0	4.1E2	0.768
15301	9713	Sisma X SLD	56.1	0	0	0	4.1E2	0.768	15302	9713	Sisma Y SLD	0	56.1	0	0	4.1E2	0.768
15303	9714	Sisma X SLV	257.8	0	0	0	840	0.768	15304	9714	Sisma Y SLV	0	257.8	0	0	840	0.768
15305	9714	Sisma X SLO	137.4	0	0	0	840	0.768	15306	9714	Sisma Y SLO	0	137.4	0	0	840	0.768
15307	9714	Sisma X SLD	114.1	0	0	0	840	0.768	15308	9714	Sisma Y SLD	0	114.1	0	0	840	0.768
15309	9715	Sisma X SLV	257.8	0	0	0	840	0.768	15310	9715	Sisma Y SLV	0	257.8	0	0	840	0.768
15311	9715	Sisma X SLO	137.4	0	0	0	840	0.768	15312	9715	Sisma Y SLO	0	137.4	0	0	840	0.768

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
15313	9715	Sisma X SLD	114.1	0	0	0	840	0.768	15314	9715	Sisma Y SLD	0	114.1	0	0	840	0.768
15315	9716	Sisma X SLV	257.8	0	0	0	840	0.768	15316	9716	Sisma Y SLV	0	257.8	0	0	840	0.768
15317	9716	Sisma X SLO	137.4	0	0	0	840	0.768	15318	9716	Sisma Y SLO	0	137.4	0	0	840	0.768
15319	9716	Sisma X SLD	114.1	0	0	0	840	0.768	15320	9716	Sisma Y SLD	0	114.1	0	0	840	0.768
15321	9717	Sisma X SLV	257.8	0	0	0	840	0.768	15322	9717	Sisma Y SLV	0	257.8	0	0	840	0.768
15323	9717	Sisma X SLO	137.4	0	0	0	840	0.768	15324	9717	Sisma Y SLO	0	137.4	0	0	840	0.768
15325	9717	Sisma X SLD	114.1	0	0	0	840	0.768	15326	9717	Sisma Y SLD	0	114.1	0	0	840	0.768
15327	9718	Sisma X SLV	33.1	0	0	0	108	0.768	15328	9718	Sisma Y SLV	0	33.1	0	0	108	0.768
15329	9718	Sisma X SLO	17.7	0	0	0	108	0.768	15330	9718	Sisma Y SLO	0	17.7	0	0	108	0.768
15331	9718	Sisma X SLD	14.7	0	0	0	108	0.768	15332	9718	Sisma Y SLD	0	14.7	0	0	108	0.768
15333	9719	Sisma X SLV	334	0	0	0	1.1E3	0.768	15334	9719	Sisma Y SLV	0	334	0	0	1.1E3	0.768
15335	9719	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	15336	9719	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
15337	9719	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	15338	9719	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
15339	9720	Sisma X SLV	334	0	0	0	1.1E3	0.768	15340	9720	Sisma Y SLV	0	334	0	0	1.1E3	0.768
15341	9720	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	15342	9720	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
15343	9720	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	15344	9720	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
15345	9721	Sisma X SLV	334	0	0	0	1.1E3	0.768	15346	9721	Sisma Y SLV	0	334	0	0	1.1E3	0.768
15347	9721	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	15348	9721	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
15349	9721	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	15350	9721	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
15351	9723	Sisma X SLV	52.1	0	0	0	1.7E2	0.768	15352	9723	Sisma Y SLV	0	52.1	0	0	1.7E2	0.768
15353	9723	Sisma X SLO	27.8	0	0	0	1.7E2	0.768	15354	9723	Sisma Y SLO	0	27.8	0	0	1.7E2	0.768
15355	9723	Sisma X SLD	23.1	0	0	0	1.7E2	0.768	15356	9723	Sisma Y SLD	0	23.1	0	0	1.7E2	0.768
15357	9725	Sisma X SLV	42.6	0	0	0	1.4E2	0.768	15358	9725	Sisma Y SLV	0	42.6	0	0	1.4E2	0.768
15359	9725	Sisma X SLO	22.7	0	0	0	1.4E2	0.768	15360	9725	Sisma Y SLO	0	22.7	0	0	1.4E2	0.768
15361	9725	Sisma X SLD	18.9	0	0	0	1.4E2	0.768	15362	9725	Sisma Y SLD	0	18.9	0	0	1.4E2	0.768
15363	9727	Sisma X SLV	42.3	0	0	0	1.4E2	0.768	15364	9727	Sisma Y SLV	0	42.3	0	0	1.4E2	0.768
15365	9727	Sisma X SLO	22.5	0	0	0	1.4E2	0.768	15366	9727	Sisma Y SLO	0	22.5	0	0	1.4E2	0.768
15367	9727	Sisma X SLD	18.7	0	0	0	1.4E2	0.768	15368	9727	Sisma Y SLD	0	18.7	0	0	1.4E2	0.768
15369	9729	Sisma X SLV	42.8	0	0	0	1.4E2	0.768	15370	9729	Sisma Y SLV	0	42.8	0	0	1.4E2	0.768
15371	9729	Sisma X SLO	22.8	0	0	0	1.4E2	0.768	15372	9729	Sisma Y SLO	0	22.8	0	0	1.4E2	0.768
15373	9729	Sisma X SLD	18.9	0	0	0	1.4E2	0.768	15374	9729	Sisma Y SLD	0	18.9	0	0	1.4E2	0.768
15375	9731	Sisma X SLV	45	0	0	0	1.5E2	0.768	15376	9731	Sisma Y SLV	0	45	0	0	1.5E2	0.768
15377	9731	Sisma X SLO	24	0	0	0	1.5E2	0.768	15378	9731	Sisma Y SLO	0	24	0	0	1.5E2	0.768
15379	9731	Sisma X SLD	19.9	0	0	0	1.5E2	0.768	15380	9731	Sisma Y SLD	0	19.9	0	0	1.5E2	0.768
15381	9733	Sisma X SLV	45.9	0	0	0	1.5E2	0.768	15382	9733	Sisma Y SLV	0	45.9	0	0	1.5E2	0.768
15383	9733	Sisma X SLO	24.5	0	0	0	1.5E2	0.768	15384	9733	Sisma Y SLO	0	24.5	0	0	1.5E2	0.768
15385	9733	Sisma X SLD	20.3	0	0	0	1.5E2	0.768	15386	9733	Sisma Y SLD	0	20.3	0	0	1.5E2	0.768
15387	9735	Sisma X SLV	46.3	0	0	0	1.5E2	0.768	15388	9735	Sisma Y SLV	0	46.3	0	0	1.5E2	0.768
15389	9735	Sisma X SLO	24.7	0	0	0	1.5E2	0.768	15390	9735	Sisma Y SLO	0	24.7	0	0	1.5E2	0.768
15391	9735	Sisma X SLD	20.5	0	0	0	1.5E2	0.768	15392	9735	Sisma Y SLD	0	20.5	0	0	1.5E2	0.768
15393	9737	Sisma X SLV	46.4	0	0	0	1.5E2	0.768	15394	9737	Sisma Y SLV	0	46.4	0	0	1.5E2	0.768
15395	9737	Sisma X SLO	24.7	0	0	0	1.5E2	0.768	15396	9737	Sisma Y SLO	0	24.7	0	0	1.5E2	0.768
15397	9737	Sisma X SLD	20.5	0	0	0	1.5E2	0.768	15398	9737	Sisma Y SLD	0	20.5	0	0	1.5E2	0.768
15399	9738	Sisma X SLV	1.1E3	0	0	0	3.5E3	0.768	15400	9738	Sisma Y SLV	0	1.1E3	0	0	3.5E3	0.768
15401	9738	Sisma X SLO	568.1	0	0	0	3.5E3	0.768	15402	9738	Sisma Y SLO	0	568.1	0	0	3.5E3	0.768
15403	9738	Sisma X SLD	471.6	0	0	0	3.5E3	0.768	15404	9738	Sisma Y SLD	0	471.6	0	0	3.5E3	0.768
15405	9739	Sisma X SLV	257.8	0	0	0	840	0.768	15406	9739	Sisma Y SLV	0	257.8	0	0	840	0.768
15407	9739	Sisma X SLO	137.4	0	0	0	840	0.768	15408	9739	Sisma Y SLO	0	137.4	0	0	840	0.768
15409	9739	Sisma X SLD	114.1	0	0	0	840	0.768	15410	9739	Sisma Y SLD	0	114.1	0	0	840	0.768
15411	9740	Sisma X SLV	257.8	0	0	0	840	0.768	15412	9740	Sisma Y SLV	0	257.8	0	0	840	0.768
15413	9740	Sisma X SLO	137.4	0	0	0	840	0.768	15414	9740	Sisma Y SLO	0	137.4	0	0	840	0.768
15415	9740	Sisma X SLD	114.1	0	0	0	840	0.768	15416	9740	Sisma Y SLD	0	114.1	0	0	840	0.768
15417	9741	Sisma X SLV	257.8	0	0	0	840	0.768	15418	9741	Sisma Y SLV	0	257.8	0	0	840	0.768
15419	9741	Sisma X SLO	137.4	0	0	0	840	0.768	15420	9741	Sisma Y SLO	0	137.4	0	0	840	0.768
15421	9741	Sisma X SLD	114.1	0	0	0	840	0.768	15422	9741	Sisma Y SLD	0	114.1	0	0	840	0.768
15423	9742	Sisma X SLV	257.8	0	0	0	840	0.768	15424	9742	Sisma Y SLV	0	257.8	0	0	840	0.768
15425	9742	Sisma X SLO	137.4	0	0	0	840	0.768	15426	9742	Sisma Y SLO	0	137.4	0	0	840	0.768
15427	9742	Sisma X SLD	114.1	0	0	0	840	0.768	15428	9742	Sisma Y SLD	0	114.1	0	0	840	0.768
15429	9743	Sisma X SLV	257.8	0	0	0	840	0.768	15430	9743	Sisma Y SLV	0	257.8	0	0	840	0.768
15431	9743	Sisma X SLO	137.4	0	0	0	840	0.768	15432	9743	Sisma Y SLO	0	137.4	0	0	840	0.768
15433	9743	Sisma X SLD	114.1	0	0	0	840	0.768	15434	9743	Sisma Y SLD	0	114.1	0	0	840	0.768
15435	9744	Sisma X SLV	2.7E3	0	0	0	8.9E3	0.768	15436	9744	Sisma Y SLV	0	2.7E3	0	0	8.9E3	0.768
15437	9744	Sisma X SLO	1.5E3	0	0	0	8.9E3	0.768	15438	9744	Sisma Y SLO	0	1.5E3	0	0	8.9E3	0.768
15439	9744	Sisma X SLD	1.2E3	0	0	0	8.9E3	0.768	15440	9744	Sisma Y SLD	0	1.2E3	0	0	8.9E3	0.768
15441	9745	Sisma X SLV	3.6E3	0	0	0	1.2E4	0.768	15442	9745	Sisma Y SLV	0	3.6E3	0	0	1.2E4	0.768
15443	9745	Sisma X SLO	1.9E3	0	0	0	1.2E4	0.768	15444	9745	Sisma Y SLO	0	1.9E3	0	0	1.2E4	0.768
15445	9745	Sisma X SLD	1.6E3	0	0	0	1.2E4	0.768	15446	9745	Sisma Y SLD	0	1.6E3	0	0	1.2E4	0.768
15447	9746	Sisma X SLV	2.7E3	0	0	0	8.9E3	0.768	15448	9746	Sisma Y SLV	0	2.7E3	0	0	8.9E3	0.768
15449	9746	Sisma X SLO	1.5E3	0	0	0	8.9E3	0.768	15450	9746	Sisma Y SLO	0	1.5E3	0	0	8.9E3	0.768
15451	9746	Sisma X SLD	1.2E3	0	0	0	8.9E3	0.768	15452	9746	Sisma Y SLD	0	1.2E3	0	0	8.9E3	0.768
15453	9747	Sisma X SLV	30.4	0	0	0	9.9E1	0.768	15454	9747	Sisma Y SLV	0	30.4	0	0	9.9E1	0.768
15455	9747	Sisma X SLO	16.2	0	0	0	9.9E1	0.768	15456	9747	Sisma Y SLO	0	16.2	0	0	9.9E1	0.768
15457	9747	Sisma X SLD	13.4	0	0	0	9.9E1	0.768	15458	9747	Sisma Y SLD	0	13.4	0	0	9.9E1	0.768
15459	9752	Sisma X SLV	334	0	0	0	1.1E3	0.768	15460	9752	Sisma Y SLV	0	334	0	0	1.1E3	0.768
15461	9752	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	15462	9752	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
15463	9752	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	15464	9752	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
15465	9753	Sisma X SLV	685.6	0	0	0	2.2E3	0.768	15466	9753	Sisma Y SLV	0	685.6	0	0	2.2E3	0.768
15467	9753	Sisma X SLO	365.5	0	0	0	2.2E3	0.768	15468	9753	Sisma Y SLO	0	365.5	0	0	2.2E3	0.768
15469	9753	Sisma X SLD	303.4	0	0	0	2.2E3	0.768	15470	9753	Sisma Y SLD	0	303.4	0	0	2.2E3	0.768
15471	9754	Sisma X SLV	144.5	0	0	0	4.7E2	0.768	15472	9754	Sisma Y SLV	0	144.5	0	0	4.7E2	0.768
15473	9754	Sisma X SLO	77.1	0	0	0	4.7E2	0.768	15474	9754	Sisma Y SLO	0	77.1	0	0	4.7E2	0.768
15475	9754	Sisma X SLD	64	0	0	0	4.7E2	0.768	15476	9754	Sisma Y SLD	0	64	0	0	4.7E2	0.768
15477	9755	Sisma X SLV	242.4	0	0	0	7.9E2	0.768	15478	9755	Sisma Y SLV	0	242.4	0	0	7.9E2	0.768
15479	9755	Sisma X SLO	129.2	0	0	0	7.9E2	0.768	15480	9755	Sisma Y SLO	0	129.2	0	0	7.9E2	0.768
15481	9755	Sisma X SLD	107.3	0	0	0	7.9E2	0.768	15482	9755	Sisma Y SLD	0	107.3	0	0	7.9E2	0.768
15483	9756	Sisma X SLV	242.1	0	0	0	7.9E2	0.768	15484	9756	Sisma Y SLV	0	242.1	0	0	7.9E2	0.768
15485	9756	Sisma X SLO	129.1	0	0	0	7.9E2	0.768	15486	9756	Sisma Y SLO	0	129.1	0	0	7.9E2	0.768
15487	9756	Sisma X SLD	107.1	0	0	0	7.9E2	0.768	15488	9756	Sisma Y SLD	0	107.1	0	0	7.9E2	0.768
15489	9757	Sisma X SLV	241.5	0	0	0	7.9E2	0.768	15490	9757	Sisma Y SLV	0	241.5	0	0	7.9E2	0.768
15491	9757	Sisma X SLO	128.7	0	0	0	7.9E2	0.768	15492	9757	Sisma Y SLO	0	128.7	0	0	7.9E2	0.768
15493	9757	Sisma X SLD	106.9	0	0	0	7.9E2	0.768	15494	9757	Sisma Y SLD	0	106.9	0	0	7.9E2	0.768
15495	9758	Sisma X SLV	239.9	0	0	0	7.8E2	0.768	15496	9758	Sisma Y SLV	0	239.9	0	0	7.8E2	0.768
15497	9758	Sisma X SLO	127.9	0	0	0	7.8E2	0.768	15498	9758	Sisma Y SLO	0	127.9	0	0	7.8E2	0.768
15499	9758	Sisma X SLD	106.2	0	0	0	7.8E2	0.768	15500	9758	Sisma Y SLD	0	106.2	0	0	7.8E2	0.768
15501	9759	Sisma X SLV	109.4	0	0	0	3.6E2	0.768	15502	9759	Sisma Y SLV	0	109.4	0	0	3.6E2	0.768
15503	9759	Sisma X SLO	58.3	0	0	0	3.6E2	0.768	15504	9759	Sisma Y SLO	0	58.3	0	0	3.6E2	0.768
15505	9759	Sisma X SLD	48.4	0	0	0	3.6E2	0.768	15506	9759	Sisma Y SLD	0	48.4	0	0	3.6E2	0.768
15507	9761	Sisma X SLV	28.2	0	0	0	9.2E1	0.768	15508	9761	Sisma Y SLV	0	28.2	0	0	9.2E1	0.768
15509	9761	Sisma X SLO	15	0	0	0	9.2E1	0.768	15510	9761	Sisma Y SLO	0	15	0	0	9.2E1	0.768
15511	9761	Sisma X SLD	12.5	0	0	0	9.2E1	0.768	15512	9761	Sisma Y SLD	0	12.5	0	0	9.2E1	0.768

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
15513	9763	Sisma X SLV	32.1	0	0	0	1.0E2	0.768	15514	9763	Sisma Y SLV	0	32.1	0	0	1.0E2	0.768
15515	9763	Sisma X SLO	17.1	0	0	0	1.0E2	0.768	15516	9763	Sisma Y SLO	0	17.1	0	0	1.0E2	0.768
15517	9763	Sisma X SLD	14.2	0	0	0	1.0E2	0.768	15518	9763	Sisma Y SLD	0	14.2	0	0	1.0E2	0.768
15519	9765	Sisma X SLV	36.1	0	0	0	1.2E2	0.768	15520	9765	Sisma Y SLV	0	36.1	0	0	1.2E2	0.768
15521	9765	Sisma X SLO	19.2	0	0	0	1.2E2	0.768	15522	9765	Sisma Y SLO	0	19.2	0	0	1.2E2	0.768
15523	9765	Sisma X SLD	16	0	0	0	1.2E2	0.768	15524	9765	Sisma Y SLD	0	16	0	0	1.2E2	0.768
15525	9767	Sisma X SLV	36.1	0	0	0	1.2E2	0.768	15526	9767	Sisma Y SLV	0	36.1	0	0	1.2E2	0.768
15527	9767	Sisma X SLO	19.2	0	0	0	1.2E2	0.768	15528	9767	Sisma Y SLO	0	19.2	0	0	1.2E2	0.768
15529	9767	Sisma X SLD	16	0	0	0	1.2E2	0.768	15530	9767	Sisma Y SLD	0	16	0	0	1.2E2	0.768
15531	9769	Sisma X SLV	36.1	0	0	0	1.2E2	0.768	15532	9769	Sisma Y SLV	0	36.1	0	0	1.2E2	0.768
15533	9769	Sisma X SLO	19.2	0	0	0	1.2E2	0.768	15534	9769	Sisma Y SLO	0	19.2	0	0	1.2E2	0.768
15535	9769	Sisma X SLD	16	0	0	0	1.2E2	0.768	15536	9769	Sisma Y SLD	0	16	0	0	1.2E2	0.768
15537	9771	Sisma X SLV	30.6	0	0	0	1.0E2	0.768	15538	9771	Sisma Y SLV	0	30.6	0	0	1.0E2	0.768
15539	9771	Sisma X SLO	16.3	0	0	0	1.0E2	0.768	15540	9771	Sisma Y SLO	0	16.3	0	0	1.0E2	0.768
15541	9771	Sisma X SLD	13.6	0	0	0	1.0E2	0.768	15542	9771	Sisma Y SLD	0	13.6	0	0	1.0E2	0.768
15543	9773	Sisma X SLV	37.1	0	0	0	1.2E2	0.768	15544	9773	Sisma Y SLV	0	37.1	0	0	1.2E2	0.768
15545	9773	Sisma X SLO	19.8	0	0	0	1.2E2	0.768	15546	9773	Sisma Y SLO	0	19.8	0	0	1.2E2	0.768
15547	9773	Sisma X SLD	16.4	0	0	0	1.2E2	0.768	15548	9773	Sisma Y SLD	0	16.4	0	0	1.2E2	0.768
15549	9775	Sisma X SLV	48	0	0	0	1.6E2	0.768	15550	9775	Sisma Y SLV	0	48	0	0	1.6E2	0.768
15551	9775	Sisma X SLO	25.6	0	0	0	1.6E2	0.768	15552	9775	Sisma Y SLO	0	25.6	0	0	1.6E2	0.768
15553	9775	Sisma X SLD	21.2	0	0	0	1.6E2	0.768	15554	9775	Sisma Y SLD	0	21.2	0	0	1.6E2	0.768
15555	9777	Sisma X SLV	752.6	0	0	0	2.5E3	0.768	15556	9777	Sisma Y SLV	0	752.6	0	0	2.5E3	0.768
15557	9777	Sisma X SLO	401.3	0	0	0	2.5E3	0.768	15558	9777	Sisma Y SLO	0	401.3	0	0	2.5E3	0.768
15559	9777	Sisma X SLD	333.1	0	0	0	2.5E3	0.768	15560	9777	Sisma Y SLD	0	333.1	0	0	2.5E3	0.768
15561	9778	Sisma X SLV	257.8	0	0	0	840	0.768	15562	9778	Sisma Y SLV	0	257.8	0	0	840	0.768
15563	9778	Sisma X SLO	137.4	0	0	0	840	0.768	15564	9778	Sisma Y SLO	0	137.4	0	0	840	0.768
15565	9778	Sisma X SLD	114.1	0	0	0	840	0.768	15566	9778	Sisma Y SLD	0	114.1	0	0	840	0.768
15567	9779	Sisma X SLV	257.8	0	0	0	840	0.768	15568	9779	Sisma Y SLV	0	257.8	0	0	840	0.768
15569	9779	Sisma X SLO	137.4	0	0	0	840	0.768	15570	9779	Sisma Y SLO	0	137.4	0	0	840	0.768
15571	9779	Sisma X SLD	114.1	0	0	0	840	0.768	15572	9779	Sisma Y SLD	0	114.1	0	0	840	0.768
15573	9780	Sisma X SLV	2.2E3	0	0	0	7.3E3	0.768	15574	9780	Sisma Y SLV	0	2.2E3	0	0	7.3E3	0.768
15575	9780	Sisma X SLO	1.2E3	0	0	0	7.3E3	0.768	15576	9780	Sisma Y SLO	0	1.2E3	0	0	7.3E3	0.768
15577	9780	Sisma X SLD	991.2	0	0	0	7.3E3	0.768	15578	9780	Sisma Y SLD	0	991.2	0	0	7.3E3	0.768
15579	9781	Sisma X SLV	4.5E3	0	0	0	1.5E4	0.768	15580	9781	Sisma Y SLV	0	4.5E3	0	0	1.5E4	0.768
15581	9781	Sisma X SLO	2.4E3	0	0	0	1.5E4	0.768	15582	9781	Sisma Y SLO	0	2.4E3	0	0	1.5E4	0.768
15583	9781	Sisma X SLD	2.0E3	0	0	0	1.5E4	0.768	15584	9781	Sisma Y SLD	0	2.0E3	0	0	1.5E4	0.768
15585	9782	Sisma X SLV	4.9E3	0	0	0	1.6E4	0.768	15586	9782	Sisma Y SLV	0	4.9E3	0	0	1.6E4	0.768
15587	9782	Sisma X SLO	2.6E3	0	0	0	1.6E4	0.768	15588	9782	Sisma Y SLO	0	2.6E3	0	0	1.6E4	0.768
15589	9782	Sisma X SLD	2.2E3	0	0	0	1.6E4	0.768	15590	9782	Sisma Y SLD	0	2.2E3	0	0	1.6E4	0.768
15591	9783	Sisma X SLV	5.2E3	0	0	0	1.7E4	0.768	15592	9783	Sisma Y SLV	0	5.2E3	0	0	1.7E4	0.768
15593	9783	Sisma X SLO	2.8E3	0	0	0	1.7E4	0.768	15594	9783	Sisma Y SLO	0	2.8E3	0	0	1.7E4	0.768
15595	9783	Sisma X SLD	2297	0	0	0	1.7E4	0.768	15596	9783	Sisma Y SLD	0	2297	0	0	1.7E4	0.768
15597	9784	Sisma X SLV	334	0	0	0	1.1E3	0.768	15598	9784	Sisma Y SLV	0	334	0	0	1.1E3	0.768
15599	9784	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	15600	9784	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
15601	9784	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	15602	9784	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
15603	9785	Sisma X SLV	1846	0	0	0	6.0E3	0.768	15604	9785	Sisma Y SLV	0	1846	0	0	6.0E3	0.768
15605	9785	Sisma X SLO	984.2	0	0	0	6.0E3	0.768	15606	9785	Sisma Y SLO	0	984.2	0	0	6.0E3	0.768
15607	9785	Sisma X SLD	816.9	0	0	0	6.0E3	0.768	15608	9785	Sisma Y SLD	0	816.9	0	0	6.0E3	0.768
15609	9786	Sisma X SLV	257.8	0	0	0	840	0.768	15610	9786	Sisma Y SLV	0	257.8	0	0	840	0.768
15611	9786	Sisma X SLO	137.4	0	0	0	840	0.768	15612	9786	Sisma Y SLO	0	137.4	0	0	840	0.768
15613	9786	Sisma X SLD	114.1	0	0	0	840	0.768	15614	9786	Sisma Y SLD	0	114.1	0	0	840	0.768
15615	9787	Sisma X SLV	37.6	0	0	0	1.2E2	0.768	15616	9787	Sisma Y SLV	0	37.6	0	0	1.2E2	0.768
15617	9787	Sisma X SLO	20	0	0	0	1.2E2	0.768	15618	9787	Sisma Y SLO	0	20	0	0	1.2E2	0.768
15619	9787	Sisma X SLD	16.6	0	0	0	1.2E2	0.768	15620	9787	Sisma Y SLD	0	16.6	0	0	1.2E2	0.768
15621	9789	Sisma X SLV	36.1	0	0	0	1.2E2	0.768	15622	9789	Sisma Y SLV	0	36.1	0	0	1.2E2	0.768
15623	9789	Sisma X SLO	19.3	0	0	0	1.2E2	0.768	15624	9789	Sisma Y SLO	0	19.3	0	0	1.2E2	0.768
15625	9789	Sisma X SLD	16	0	0	0	1.2E2	0.768	15626	9789	Sisma Y SLD	0	16	0	0	1.2E2	0.768
15627	9791	Sisma X SLV	37.1	0	0	0	1.2E2	0.768	15628	9791	Sisma Y SLV	0	37.1	0	0	1.2E2	0.768
15629	9791	Sisma X SLO	19.8	0	0	0	1.2E2	0.768	15630	9791	Sisma Y SLO	0	19.8	0	0	1.2E2	0.768
15631	9791	Sisma X SLD	16.4	0	0	0	1.2E2	0.768	15632	9791	Sisma Y SLD	0	16.4	0	0	1.2E2	0.768
15633	9793	Sisma X SLV	39.7	0	0	0	1.3E2	0.768	15634	9793	Sisma Y SLV	0	39.7	0	0	1.3E2	0.768
15635	9793	Sisma X SLO	21.2	0	0	0	1.3E2	0.768	15636	9793	Sisma Y SLO	0	21.2	0	0	1.3E2	0.768
15637	9793	Sisma X SLD	17.6	0	0	0	1.3E2	0.768	15638	9793	Sisma Y SLD	0	17.6	0	0	1.3E2	0.768
15639	9794	Sisma X SLV	40	0	0	0	1.3E2	0.768	15640	9794	Sisma Y SLV	0	40	0	0	1.3E2	0.768
15641	9794	Sisma X SLO	21.3	0	0	0	1.3E2	0.768	15642	9794	Sisma Y SLO	0	21.3	0	0	1.3E2	0.768
15643	9794	Sisma X SLD	17.7	0	0	0	1.3E2	0.768	15644	9794	Sisma Y SLD	0	17.7	0	0	1.3E2	0.768
15645	9795	Sisma X SLV	36.3	0	0	0	1.2E2	0.768	15646	9795	Sisma Y SLV	0	36.3	0	0	1.2E2	0.768
15647	9795	Sisma X SLO	19.4	0	0	0	1.2E2	0.768	15648	9795	Sisma Y SLO	0	19.4	0	0	1.2E2	0.768
15649	9795	Sisma X SLD	16.1	0	0	0	1.2E2	0.768	15650	9795	Sisma Y SLD	0	16.1	0	0	1.2E2	0.768
15651	9796	Sisma X SLV	33.7	0	0	0	1.1E2	0.768	15652	9796	Sisma Y SLV	0	33.7	0	0	1.1E2	0.768
15653	9796	Sisma X SLO	18	0	0	0	1.1E2	0.768	15654	9796	Sisma Y SLO	0	18	0	0	1.1E2	0.768
15655	9796	Sisma X SLD	14.9	0	0	0	1.1E2	0.768	15656	9796	Sisma Y SLD	0	14.9	0	0	1.1E2	0.768
15657	9797	Sisma X SLV	257.8	0	0	0	840	0.768	15658	9797	Sisma Y SLV	0	257.8	0	0	840	0.768
15659	9797	Sisma X SLO	137.4	0	0	0	840	0.768	15660	9797	Sisma Y SLO	0	137.4	0	0	840	0.768
15661	9797	Sisma X SLD	114.1	0	0	0	840	0.768	15662	9797	Sisma Y SLD	0	114.1	0	0	840	0.768
15663	9798	Sisma X SLV	257.8	0	0	0	840	0.768	15664	9798	Sisma Y SLV	0	257.8	0	0	840	0.768
15665	9798	Sisma X SLO	137.4	0	0	0	840	0.768	15666	9798	Sisma Y SLO	0	137.4	0	0	840	0.768
15667	9798	Sisma X SLD	114.1	0	0	0	840	0.768	15668	9798	Sisma Y SLD	0	114.1	0	0	840	0.768
15669	9799	Sisma X SLV	3083	0	0	0	1.0E4	0.768	15670	9799	Sisma Y SLV	0	3083	0	0	1.0E4	0.768
15671	9799	Sisma X SLO	1.6E3	0	0	0	1.0E4	0.768	15672	9799	Sisma Y SLO	0	1.6E3	0	0	1.0E4	0.768
15673	9799	Sisma X SLD	1.4E3	0	0	0	1.0E4	0.768	15674	9799	Sisma Y SLD	0	1.4E3	0	0	1.0E4	0.768
15675	9800	Sisma X SLV	7729	0	0	0	2.5E4	0.768	15676	9800	Sisma Y SLV	0	7729	0	0	2.5E4	0.768
15677	9800	Sisma X SLO	4.1E3	0	0	0	2.5E4	0.768	15678	9800	Sisma Y SLO	0	4.1E3	0	0	2.5E4	0.768
15679	9800	Sisma X SLD	3.4E3	0	0	0	2.5E4	0.768	15680	9800	Sisma Y SLD	0	3.4E3	0	0	2.5E4	0.768
15681	9801	Sisma X SLV	334	0	0	0	1.1E3	0.768	15682	9801	Sisma Y SLV	0	334	0	0	1.1E3	0.768
15683	9801	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	15684	9801	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
15685	9801	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	15686	9801	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
15687	9802	Sisma X SLV	4.6E3	0	0	0	1.5E4	0.768	15688	9802	Sisma Y SLV	0	4.6E3	0	0	1.5E4	0.768
15689	9802	Sisma X SLO	2.5E3	0	0	0	1.5E4	0.768	15690	9802	Sisma Y SLO	0	2.5E3	0	0	1.5E4	0.768
15691	9802	Sisma X SLD	2.1E3	0	0	0	1.5E4	0.768	15692	9802	Sisma Y SLD	0	2.1E3	0	0	1.5E4	0.768
15693	9803	Sisma X SLV	257.8	0	0	0	840	0.768	15694	9803	Sisma Y SLV	0	257.8	0	0	840	0.768
15695	9803	Sisma X SLO	137.4	0	0	0	840	0.768	15696	9803	Sisma Y SLO	0	137.4	0	0	840	0.768
15697	9803	Sisma X SLD	114.1	0	0	0	840	0.768	15698	9803	Sisma Y SLD	0	114.1	0	0	840	0.768
15699	9804	Sisma X SLV	43.5	0	0	0	1.4E2	0.768	15700	9804	Sisma Y SLV	0	43.5	0	0	1.4E2	0.768
15701	9804	Sisma X SLO	23.2	0	0	0	1.4E2	0.768	15702	9804	Sisma Y SLO	0	23.2	0	0	1.4E2	0.768
15703	9804	Sisma X SLD	19.3	0	0	0	1.4E2	0.768	15704	9804	Sisma Y SLD	0	19.3	0	0	1.4E2	0.768
15705	9805	Sisma X SLV	36.5	0	0	0	1.2E2	0.768	15706	9805	Sisma Y SLV	0	36.5	0	0	1.2E2	0.768
15707	9805	Sisma X SLO	19.4	0	0	0	1.2E2	0.768	15708	9805	Sisma Y SLO	0	19.4	0	0	1.2E2	0.768
15709	9805	Sisma X SLD	16.1	0	0	0	1.2E2	0.768	15710	9805	Sisma Y SLD	0	16.1	0	0	1.2E2	0.768
15711	9806	Sisma X SLV	30.8	0	0	0	1.0E2	0.768	15712	9806	Sisma Y SLV	0	30.8	0	0	1.0E2	0.768

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
15713	9806	Sisma X SLO	16.4	0	0	0	1.0E2	0.768	15714	9806	Sisma Y SLO	0	16.4	0	0	1.0E2	0.768
15715	9806	Sisma X SLD	13.6	0	0	0	1.0E2	0.768	15716	9806	Sisma Y SLD	0	13.6	0	0	1.0E2	0.768
15717	9807	Sisma X SLV	29.9	0	0	0	9.8E1	0.768	15718	9807	Sisma Y SLV	0	29.9	0	0	9.8E1	0.768
15719	9807	Sisma X SLO	16	0	0	0	9.8E1	0.768	15720	9807	Sisma Y SLO	0	16	0	0	9.8E1	0.768
15721	9807	Sisma X SLD	13.3	0	0	0	9.8E1	0.768	15722	9807	Sisma Y SLD	0	13.3	0	0	9.8E1	0.768
15723	9808	Sisma X SLV	29.7	0	0	0	9.7E1	0.768	15724	9808	Sisma Y SLV	0	29.7	0	0	9.7E1	0.768
15725	9808	Sisma X SLO	15.8	0	0	0	9.7E1	0.768	15726	9808	Sisma Y SLO	0	15.8	0	0	9.7E1	0.768
15727	9808	Sisma X SLD	13.1	0	0	0	9.7E1	0.768	15728	9808	Sisma Y SLD	0	13.1	0	0	9.7E1	0.768
15729	9809	Sisma X SLV	27.8	0	0	0	90.63	0.768	15730	9809	Sisma Y SLV	0	27.8	0	0	90.63	0.768
15731	9809	Sisma X SLO	14.8	0	0	0	90.63	0.768	15732	9809	Sisma Y SLO	0	14.8	0	0	90.63	0.768
15733	9809	Sisma X SLD	12.3	0	0	0	90.63	0.768	15734	9809	Sisma Y SLD	0	12.3	0	0	90.63	0.768
15735	9810	Sisma X SLV	27.2	0	0	0	8.9E1	0.768	15736	9810	Sisma Y SLV	0	27.2	0	0	8.9E1	0.768
15737	9810	Sisma X SLO	14.5	0	0	0	8.9E1	0.768	15738	9810	Sisma Y SLO	0	14.5	0	0	8.9E1	0.768
15739	9810	Sisma X SLD	12	0	0	0	8.9E1	0.768	15740	9810	Sisma Y SLD	0	12	0	0	8.9E1	0.768
15741	9811	Sisma X SLV	257.8	0	0	0	840	0.768	15742	9811	Sisma Y SLV	0	257.8	0	0	840	0.768
15743	9811	Sisma X SLO	137.4	0	0	0	840	0.768	15744	9811	Sisma Y SLO	0	137.4	0	0	840	0.768
15745	9811	Sisma X SLD	114.1	0	0	0	840	0.768	15746	9811	Sisma Y SLD	0	114.1	0	0	840	0.768
15747	9812	Sisma X SLV	257.8	0	0	0	840	0.768	15748	9812	Sisma Y SLV	0	257.8	0	0	840	0.768
15749	9812	Sisma X SLO	137.4	0	0	0	840	0.768	15750	9812	Sisma Y SLO	0	137.4	0	0	840	0.768
15751	9812	Sisma X SLD	114.1	0	0	0	840	0.768	15752	9812	Sisma Y SLD	0	114.1	0	0	840	0.768
15753	9813	Sisma X SLV	3.0E3	0	0	0	9.6E3	0.768	15754	9813	Sisma Y SLV	0	3.0E3	0	0	9.6E3	0.768
15755	9813	Sisma X SLO	1.6E3	0	0	0	9.6E3	0.768	15756	9813	Sisma Y SLO	0	1.6E3	0	0	9.6E3	0.768
15757	9813	Sisma X SLD	1.3E3	0	0	0	9.6E3	0.768	15758	9813	Sisma Y SLD	0	1.3E3	0	0	9.6E3	0.768
15759	9814	Sisma X SLV	7.4E3	0	0	0	2.4E4	0.768	15760	9814	Sisma Y SLV	0	7.4E3	0	0	2.4E4	0.768
15761	9814	Sisma X SLO	3.9E3	0	0	0	2.4E4	0.768	15762	9814	Sisma Y SLO	0	3.9E3	0	0	2.4E4	0.768
15763	9814	Sisma X SLD	3.3E3	0	0	0	2.4E4	0.768	15764	9814	Sisma Y SLD	0	3.3E3	0	0	2.4E4	0.768
15765	9815	Sisma X SLV	334	0	0	0	1.1E3	0.768	15766	9815	Sisma Y SLV	0	334	0	0	1.1E3	0.768
15767	9815	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	15768	9815	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
15769	9815	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	15770	9815	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
15771	9816	Sisma X SLV	4447	0	0	0	1.4E4	0.768	15772	9816	Sisma Y SLV	0	4447	0	0	1.4E4	0.768
15773	9816	Sisma X SLO	2.4E3	0	0	0	1.4E4	0.768	15774	9816	Sisma Y SLO	0	2.4E3	0	0	1.4E4	0.768
15775	9816	Sisma X SLD	1968	0	0	0	1.4E4	0.768	15776	9816	Sisma Y SLD	0	1968	0	0	1.4E4	0.768
15777	9817	Sisma X SLV	257.8	0	0	0	840	0.768	15778	9817	Sisma Y SLV	0	257.8	0	0	840	0.768
15779	9817	Sisma X SLO	137.4	0	0	0	840	0.768	15780	9817	Sisma Y SLO	0	137.4	0	0	840	0.768
15781	9817	Sisma X SLD	114.1	0	0	0	840	0.768	15782	9817	Sisma Y SLD	0	114.1	0	0	840	0.768
15783	9818	Sisma X SLV	38.9	0	0	0	1.3E2	0.768	15784	9818	Sisma Y SLV	0	38.9	0	0	1.3E2	0.768
15785	9818	Sisma X SLO	20.7	0	0	0	1.3E2	0.768	15786	9818	Sisma Y SLO	0	20.7	0	0	1.3E2	0.768
15787	9818	Sisma X SLD	17.2	0	0	0	1.3E2	0.768	15788	9818	Sisma Y SLD	0	17.2	0	0	1.3E2	0.768
15789	9819	Sisma X SLV	35.2	0	0	0	1.1E2	0.768	15790	9819	Sisma Y SLV	0	35.2	0	0	1.1E2	0.768
15791	9819	Sisma X SLO	18.7	0	0	0	1.1E2	0.768	15792	9819	Sisma Y SLO	0	18.7	0	0	1.1E2	0.768
15793	9819	Sisma X SLD	15.6	0	0	0	1.1E2	0.768	15794	9819	Sisma Y SLD	0	15.6	0	0	1.1E2	0.768
15795	9820	Sisma X SLV	32	0	0	0	1.0E2	0.768	15796	9820	Sisma Y SLV	0	32	0	0	1.0E2	0.768
15797	9820	Sisma X SLO	17	0	0	0	1.0E2	0.768	15798	9820	Sisma Y SLO	0	17	0	0	1.0E2	0.768
15799	9820	Sisma X SLD	14.2	0	0	0	1.0E2	0.768	15800	9820	Sisma Y SLD	0	14.2	0	0	1.0E2	0.768
15801	9821	Sisma X SLV	31.5	0	0	0	1.0E2	0.768	15802	9821	Sisma Y SLV	0	31.5	0	0	1.0E2	0.768
15803	9821	Sisma X SLO	16.8	0	0	0	1.0E2	0.768	15804	9821	Sisma Y SLO	0	16.8	0	0	1.0E2	0.768
15805	9821	Sisma X SLD	14	0	0	0	1.0E2	0.768	15806	9821	Sisma Y SLD	0	14	0	0	1.0E2	0.768
15807	9822	Sisma X SLV	31.4	0	0	0	102.4	0.768	15808	9822	Sisma Y SLV	0	31.4	0	0	102.4	0.768
15809	9822	Sisma X SLO	16.8	0	0	0	102.4	0.768	15810	9822	Sisma Y SLO	0	16.8	0	0	102.4	0.768
15811	9822	Sisma X SLD	13.9	0	0	0	102.4	0.768	15812	9822	Sisma Y SLD	0	13.9	0	0	102.4	0.768
15813	9823	Sisma X SLV	29	0	0	0	9.4E1	0.768	15814	9823	Sisma Y SLV	0	29	0	0	9.4E1	0.768
15815	9823	Sisma X SLO	15.4	0	0	0	9.4E1	0.768	15816	9823	Sisma Y SLO	0	15.4	0	0	9.4E1	0.768
15817	9823	Sisma X SLD	12.8	0	0	0	9.4E1	0.768	15818	9823	Sisma Y SLD	0	12.8	0	0	9.4E1	0.768
15819	9824	Sisma X SLV	28.2	0	0	0	9.2E1	0.768	15820	9824	Sisma Y SLV	0	28.2	0	0	9.2E1	0.768
15821	9824	Sisma X SLO	15	0	0	0	9.2E1	0.768	15822	9824	Sisma Y SLO	0	15	0	0	9.2E1	0.768
15823	9824	Sisma X SLD	12.5	0	0	0	9.2E1	0.768	15824	9824	Sisma Y SLD	0	12.5	0	0	9.2E1	0.768
15825	9825	Sisma X SLV	257.8	0	0	0	840	0.768	15826	9825	Sisma Y SLV	0	257.8	0	0	840	0.768
15827	9825	Sisma X SLO	137.4	0	0	0	840	0.768	15828	9825	Sisma Y SLO	0	137.4	0	0	840	0.768
15829	9825	Sisma X SLD	114.1	0	0	0	840	0.768	15830	9825	Sisma Y SLD	0	114.1	0	0	840	0.768
15831	9826	Sisma X SLV	257.8	0	0	0	840	0.768	15832	9826	Sisma Y SLV	0	257.8	0	0	840	0.768
15833	9826	Sisma X SLO	137.4	0	0	0	840	0.768	15834	9826	Sisma Y SLO	0	137.4	0	0	840	0.768
15835	9826	Sisma X SLD	114.1	0	0	0	840	0.768	15836	9826	Sisma Y SLD	0	114.1	0	0	840	0.768
15837	9827	Sisma X SLV	257.8	0	0	0	840	0.768	15838	9827	Sisma Y SLV	0	257.8	0	0	840	0.768
15839	9827	Sisma X SLO	137.4	0	0	0	840	0.768	15840	9827	Sisma Y SLO	0	137.4	0	0	840	0.768
15841	9827	Sisma X SLD	114.1	0	0	0	840	0.768	15842	9827	Sisma Y SLD	0	114.1	0	0	840	0.768
15843	9828	Sisma X SLV	257.8	0	0	0	840	0.768	15844	9828	Sisma Y SLV	0	257.8	0	0	840	0.768
15845	9828	Sisma X SLO	137.4	0	0	0	840	0.768	15846	9828	Sisma Y SLO	0	137.4	0	0	840	0.768
15847	9828	Sisma X SLD	114.1	0	0	0	840	0.768	15848	9828	Sisma Y SLD	0	114.1	0	0	840	0.768
15849	9829	Sisma X SLV	4.2E3	0	0	0	1.4E4	0.768	15850	9829	Sisma Y SLV	0	4.2E3	0	0	1.4E4	0.768
15851	9829	Sisma X SLO	2.2E3	0	0	0	1.4E4	0.768	15852	9829	Sisma Y SLO	0	2.2E3	0	0	1.4E4	0.768
15853	9829	Sisma X SLD	1844	0	0	0	1.4E4	0.768	15854	9829	Sisma Y SLD	0	1844	0	0	1.4E4	0.768
15855	9830	Sisma X SLV	3.8E3	0	0	0	1.2E4	0.768	15856	9830	Sisma Y SLV	0	3.8E3	0	0	1.2E4	0.768
15857	9830	Sisma X SLO	2021	0	0	0	1.2E4	0.768	15858	9830	Sisma Y SLO	0	2021	0	0	1.2E4	0.768
15859	9830	Sisma X SLD	1.7E3	0	0	0	1.2E4	0.768	15860	9830	Sisma Y SLD	0	1.7E3	0	0	1.2E4	0.768
15861	9831	Sisma X SLV	3.7E3	0	0	0	1.2E4	0.768	15862	9831	Sisma Y SLV	0	3.7E3	0	0	1.2E4	0.768
15863	9831	Sisma X SLO	2.0E3	0	0	0	1.2E4	0.768	15864	9831	Sisma Y SLO	0	2.0E3	0	0	1.2E4	0.768
15865	9831	Sisma X SLD	1.7E3	0	0	0	1.2E4	0.768	15866	9831	Sisma Y SLD	0	1.7E3	0	0	1.2E4	0.768
15867	9832	Sisma X SLV	4.6E3	0	0	0	1.5E4	0.768	15868	9832	Sisma Y SLV	0	4.6E3	0	0	1.5E4	0.768
15869	9832	Sisma X SLO	2.4E3	0	0	0	1.5E4	0.768	15870	9832	Sisma Y SLO	0	2.4E3	0	0	1.5E4	0.768
15871	9832	Sisma X SLD	2.0E3	0	0	0	1.5E4	0.768	15872	9832	Sisma Y SLD	0	2.0E3	0	0	1.5E4	0.768
15873	9833	Sisma X SLV	5.2E3	0	0	0	1.7E4	0.768	15874	9833	Sisma Y SLV	0	5.2E3	0	0	1.7E4	0.768
15875	9833	Sisma X SLO	2.8E3	0	0	0	1.7E4	0.768	15876	9833	Sisma Y SLO	0	2.8E3	0	0	1.7E4	0.768
15877	9833	Sisma X SLD	2.3E3	0	0	0	1.7E4	0.768	15878	9833	Sisma Y SLD	0	2.3E3	0	0	1.7E4	0.768
15879	9834	Sisma X SLV	5.5E3	0	0	0	1.8E4	0.768	15880	9834	Sisma Y SLV	0	5.5E3	0	0	1.8E4	0.768
15881	9834	Sisma X SLO	2.9E3	0	0	0	1.8E4	0.768	15882	9834	Sisma Y SLO	0	2.9E3	0	0	1.8E4	0.768
15883	9834	Sisma X SLD	2.4E3	0	0	0	1.8E4	0.768	15884	9834	Sisma Y SLD	0	2.4E3	0	0	1.8E4	0.768
15885	9835	Sisma X SLV	334	0	0	0	1.1E3	0.768	15886	9835	Sisma Y SLV	0	334	0	0	1.1E3	0.768
15887	9835	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	15888	9835	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
15889	9835	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	15890	9835	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
15891	9836	Sisma X SLV	1.9E3	0	0	0	6.1E3	0.768	15892	9836	Sisma Y SLV	0	1.9E3	0	0	6.1E3	0.768
15893	9836	Sisma X SLO	997.9	0	0	0	6.1E3	0.768	15894	9836	Sisma Y SLO	0	997.9	0	0	6.1E3	0.768
15895	9836	Sisma X SLD	828.3	0	0	0	6.1E3	0.768	15896	9836	Sisma Y SLD	0	828.3	0	0	6.1E3	0.768
15897	9837	Sisma X SLV	1.8E3	0	0	0	5.9E3	0.768	15898	9837	Sisma Y SLV	0	1.8E3	0	0	5.9E3	0.768
15899	9837	Sisma X SLO	962.6	0	0	0	5.9E3	0.768	15900	9837	Sisma Y SLO	0	962.6	0	0	5.9E3	0.768
15901	9837	Sisma X SLD	799	0	0	0	5.9E3	0.768	15902	9837	Sisma Y SLD	0	799	0	0	5.9E3	0.768
15903	9838	Sisma X SLV	257.8	0	0	0	840	0.768	15904	9838	Sisma Y SLV	0	257.8	0	0	840	0.768
15905	9838	Sisma X SLO	137.4	0	0	0	840	0.768	15906	9838	Sisma Y SLO	0	137.4	0	0	840	0.768
15907	9838	Sisma X SLD	114.1	0	0	0	840	0.768	15908	9838	Sisma Y SLD	0	114.1	0	0	840	0.768
15909	9839	Sisma X SLV	46.2	0	0	0	1.5E2	0.768	15910	9839	Sisma Y SLV	0	46.2	0	0	1.5E2	0.768
15911	9839	Sisma X SLO	24.6	0	0	0	1.5E2	0.768	15912	9839	Sisma Y SLO	0	24.6	0	0	1.5E2	0.768

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
15913	9839	Sisma X SLD	20.4	0	0	0	1.5E2	0.768	15914	9839	Sisma Y SLD	0	20.4	0	0	1.5E2	0.768
15915	9840	Sisma X SLV	38	0	0	0	1.2E2	0.768	15916	9840	Sisma Y SLV	0	38	0	0	1.2E2	0.768
15917	9840	Sisma X SLO	20.2	0	0	0	1.2E2	0.768	15918	9840	Sisma Y SLO	0	20.2	0	0	1.2E2	0.768
15919	9840	Sisma X SLD	16.8	0	0	0	1.2E2	0.768	15920	9840	Sisma Y SLD	0	16.8	0	0	1.2E2	0.768
15921	9841	Sisma X SLV	31.2	0	0	0	1.0E2	0.768	15922	9841	Sisma Y SLV	0	31.2	0	0	1.0E2	0.768
15923	9841	Sisma X SLO	16.6	0	0	0	1.0E2	0.768	15924	9841	Sisma Y SLO	0	16.6	0	0	1.0E2	0.768
15925	9841	Sisma X SLD	13.8	0	0	0	1.0E2	0.768	15926	9841	Sisma Y SLD	0	13.8	0	0	1.0E2	0.768
15927	9842	Sisma X SLV	30.7	0	0	0	1.0E2	0.768	15928	9842	Sisma Y SLV	0	30.7	0	0	1.0E2	0.768
15929	9842	Sisma X SLO	16.4	0	0	0	1.0E2	0.768	15930	9842	Sisma Y SLO	0	16.4	0	0	1.0E2	0.768
15931	9842	Sisma X SLD	13.6	0	0	0	1.0E2	0.768	15932	9842	Sisma Y SLD	0	13.6	0	0	1.0E2	0.768
15933	9843	Sisma X SLV	30.2	0	0	0	9.8E1	0.768	15934	9843	Sisma Y SLV	0	30.2	0	0	9.8E1	0.768
15935	9843	Sisma X SLO	16.1	0	0	0	9.8E1	0.768	15936	9843	Sisma Y SLO	0	16.1	0	0	9.8E1	0.768
15937	9843	Sisma X SLD	13.4	0	0	0	9.8E1	0.768	15938	9843	Sisma Y SLD	0	13.4	0	0	9.8E1	0.768
15939	9844	Sisma X SLV	30.9	0	0	0	1.0E2	0.768	15940	9844	Sisma Y SLV	0	30.9	0	0	1.0E2	0.768
15941	9844	Sisma X SLO	16.5	0	0	0	1.0E2	0.768	15942	9844	Sisma Y SLO	0	16.5	0	0	1.0E2	0.768
15943	9844	Sisma X SLD	13.7	0	0	0	1.0E2	0.768	15944	9844	Sisma Y SLD	0	13.7	0	0	1.0E2	0.768
15945	9845	Sisma X SLV	33.4	0	0	0	1.1E2	0.768	15946	9845	Sisma Y SLV	0	33.4	0	0	1.1E2	0.768
15947	9845	Sisma X SLO	17.8	0	0	0	1.1E2	0.768	15948	9845	Sisma Y SLO	0	17.8	0	0	1.1E2	0.768
15949	9845	Sisma X SLD	14.8	0	0	0	1.1E2	0.768	15950	9845	Sisma Y SLD	0	14.8	0	0	1.1E2	0.768
15951	9846	Sisma X SLV	257.8	0	0	0	840	0.768	15952	9846	Sisma Y SLV	0	257.8	0	0	840	0.768
15953	9846	Sisma X SLO	137.4	0	0	0	840	0.768	15954	9846	Sisma Y SLO	0	137.4	0	0	840	0.768
15955	9846	Sisma X SLD	114.1	0	0	0	840	0.768	15956	9846	Sisma Y SLD	0	114.1	0	0	840	0.768
15957	9847	Sisma X SLV	257.8	0	0	0	840	0.768	15958	9847	Sisma Y SLV	0	257.8	0	0	840	0.768
15959	9847	Sisma X SLO	137.4	0	0	0	840	0.768	15960	9847	Sisma Y SLO	0	137.4	0	0	840	0.768
15961	9847	Sisma X SLD	114.1	0	0	0	840	0.768	15962	9847	Sisma Y SLD	0	114.1	0	0	840	0.768
15963	9848	Sisma X SLV	6.9E3	0	0	0	2.2E4	0.768	15964	9848	Sisma Y SLV	0	6.9E3	0	0	2.2E4	0.768
15965	9848	Sisma X SLO	3.7E3	0	0	0	2.2E4	0.768	15966	9848	Sisma Y SLO	0	3.7E3	0	0	2.2E4	0.768
15967	9848	Sisma X SLD	3.1E3	0	0	0	2.2E4	0.768	15968	9848	Sisma Y SLD	0	3.1E3	0	0	2.2E4	0.768
15969	9849	Sisma X SLV	8.9E3	0	0	0	2.9E4	0.768	15970	9849	Sisma Y SLV	0	8.9E3	0	0	2.9E4	0.768
15971	9849	Sisma X SLO	4.8E3	0	0	0	2.9E4	0.768	15972	9849	Sisma Y SLO	0	4.8E3	0	0	2.9E4	0.768
15973	9849	Sisma X SLD	3.9E3	0	0	0	2.9E4	0.768	15974	9849	Sisma Y SLD	0	3.9E3	0	0	2.9E4	0.768
15975	9850	Sisma X SLV	7.7E3	0	0	0	2.5E4	0.768	15976	9850	Sisma Y SLV	0	7.7E3	0	0	2.5E4	0.768
15977	9850	Sisma X SLO	4.1E3	0	0	0	2.5E4	0.768	15978	9850	Sisma Y SLO	0	4.1E3	0	0	2.5E4	0.768
15979	9850	Sisma X SLD	3.4E3	0	0	0	2.5E4	0.768	15980	9850	Sisma Y SLD	0	3.4E3	0	0	2.5E4	0.768
15981	9851	Sisma X SLV	334	0	0	0	1.1E3	0.768	15982	9851	Sisma Y SLV	0	334	0	0	1.1E3	0.768
15983	9851	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	15984	9851	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
15985	9851	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	15986	9851	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
15987	9852	Sisma X SLV	4.6E3	0	0	0	1.5E4	0.768	15988	9852	Sisma Y SLV	0	4.6E3	0	0	1.5E4	0.768
15989	9852	Sisma X SLO	2.5E3	0	0	0	1.5E4	0.768	15990	9852	Sisma Y SLO	0	2.5E3	0	0	1.5E4	0.768
15991	9852	Sisma X SLD	2.1E3	0	0	0	1.5E4	0.768	15992	9852	Sisma Y SLD	0	2.1E3	0	0	1.5E4	0.768
15993	9853	Sisma X SLV	257.8	0	0	0	840	0.768	15994	9853	Sisma Y SLV	0	257.8	0	0	840	0.768
15995	9853	Sisma X SLO	137.4	0	0	0	840	0.768	15996	9853	Sisma Y SLO	0	137.4	0	0	840	0.768
15997	9853	Sisma X SLD	114.1	0	0	0	840	0.768	15998	9853	Sisma Y SLD	0	114.1	0	0	840	0.768
15999	9854	Sisma X SLV	46.6	0	0	0	1.5E2	0.768	16000	9854	Sisma Y SLV	0	46.6	0	0	1.5E2	0.768
16001	9854	Sisma X SLO	24.8	0	0	0	1.5E2	0.768	16002	9854	Sisma Y SLO	0	24.8	0	0	1.5E2	0.768
16003	9854	Sisma X SLD	20.6	0	0	0	1.5E2	0.768	16004	9854	Sisma Y SLD	0	20.6	0	0	1.5E2	0.768
16005	9855	Sisma X SLV	38	0	0	0	1.2E2	0.768	16006	9855	Sisma Y SLV	0	38	0	0	1.2E2	0.768
16007	9855	Sisma X SLO	20.3	0	0	0	1.2E2	0.768	16008	9855	Sisma Y SLO	0	20.3	0	0	1.2E2	0.768
16009	9855	Sisma X SLD	16.8	0	0	0	1.2E2	0.768	16010	9855	Sisma Y SLD	0	16.8	0	0	1.2E2	0.768
16011	9856	Sisma X SLV	29.1	0	0	0	9.5E1	0.768	16012	9856	Sisma Y SLV	0	29.1	0	0	9.5E1	0.768
16013	9856	Sisma X SLO	15.5	0	0	0	9.5E1	0.768	16014	9856	Sisma Y SLO	0	15.5	0	0	9.5E1	0.768
16015	9856	Sisma X SLD	12.9	0	0	0	9.5E1	0.768	16016	9856	Sisma Y SLD	0	12.9	0	0	9.5E1	0.768
16017	9857	Sisma X SLV	28.4	0	0	0	9.3E1	0.768	16018	9857	Sisma Y SLV	0	28.4	0	0	9.3E1	0.768
16019	9857	Sisma X SLO	15.1	0	0	0	9.3E1	0.768	16020	9857	Sisma Y SLO	0	15.1	0	0	9.3E1	0.768
16021	9857	Sisma X SLD	12.6	0	0	0	9.3E1	0.768	16022	9857	Sisma Y SLD	0	12.6	0	0	9.3E1	0.768
16023	9858	Sisma X SLV	28.9	0	0	0	9.4E1	0.768	16024	9858	Sisma Y SLV	0	28.9	0	0	9.4E1	0.768
16025	9858	Sisma X SLO	15.4	0	0	0	9.4E1	0.768	16026	9858	Sisma Y SLO	0	15.4	0	0	9.4E1	0.768
16027	9858	Sisma X SLD	12.8	0	0	0	9.4E1	0.768	16028	9858	Sisma Y SLD	0	12.8	0	0	9.4E1	0.768
16029	9859	Sisma X SLV	29.2	0	0	0	9.5E1	0.768	16030	9859	Sisma Y SLV	0	29.2	0	0	9.5E1	0.768
16031	9859	Sisma X SLO	15.6	0	0	0	9.5E1	0.768	16032	9859	Sisma Y SLO	0	15.6	0	0	9.5E1	0.768
16033	9859	Sisma X SLD	12.9	0	0	0	9.5E1	0.768	16034	9859	Sisma Y SLD	0	12.9	0	0	9.5E1	0.768
16035	9860	Sisma X SLV	30.2	0	0	0	9.8E1	0.768	16036	9860	Sisma Y SLV	0	30.2	0	0	9.8E1	0.768
16037	9860	Sisma X SLO	16.1	0	0	0	9.8E1	0.768	16038	9860	Sisma Y SLO	0	16.1	0	0	9.8E1	0.768
16039	9860	Sisma X SLD	13.4	0	0	0	9.8E1	0.768	16040	9860	Sisma Y SLD	0	13.4	0	0	9.8E1	0.768
16041	9861	Sisma X SLV	257.8	0	0	0	840	0.768	16042	9861	Sisma Y SLV	0	257.8	0	0	840	0.768
16043	9861	Sisma X SLO	137.4	0	0	0	840	0.768	16044	9861	Sisma Y SLO	0	137.4	0	0	840	0.768
16045	9861	Sisma X SLD	114.1	0	0	0	840	0.768	16046	9861	Sisma Y SLD	0	114.1	0	0	840	0.768
16047	9862	Sisma X SLV	257.8	0	0	0	840	0.768	16048	9862	Sisma Y SLV	0	257.8	0	0	840	0.768
16049	9862	Sisma X SLO	137.4	0	0	0	840	0.768	16050	9862	Sisma Y SLO	0	137.4	0	0	840	0.768
16051	9862	Sisma X SLD	114.1	0	0	0	840	0.768	16052	9862	Sisma Y SLD	0	114.1	0	0	840	0.768
16053	9863	Sisma X SLV	9.1E3	0	0	0	3.0E4	0.768	16054	9863	Sisma Y SLV	0	9.1E3	0	0	3.0E4	0.768
16055	9863	Sisma X SLO	4.9E3	0	0	0	3.0E4	0.768	16056	9863	Sisma Y SLO	0	4.9E3	0	0	3.0E4	0.768
16057	9863	Sisma X SLD	4.0E3	0	0	0	3.0E4	0.768	16058	9863	Sisma Y SLD	0	4.0E3	0	0	3.0E4	0.768
16059	9864	Sisma X SLV	7.8E3	0	0	0	2.6E4	0.768	16060	9864	Sisma Y SLV	0	7.8E3	0	0	2.6E4	0.768
16061	9864	Sisma X SLO	4.2E3	0	0	0	2.6E4	0.768	16062	9864	Sisma Y SLO	0	4.2E3	0	0	2.6E4	0.768
16063	9864	Sisma X SLD	3.5E3	0	0	0	2.6E4	0.768	16064	9864	Sisma Y SLD	0	3.5E3	0	0	2.6E4	0.768
16065	9865	Sisma X SLV	334	0	0	0	1.1E3	0.768	16066	9865	Sisma Y SLV	0	334	0	0	1.1E3	0.768
16067	9865	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	16068	9865	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
16069	9865	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	16070	9865	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
16071	9866	Sisma X SLV	7.0E3	0	0	0	2.3E4	0.768	16072	9866	Sisma Y SLV	0	7.0E3	0	0	2.3E4	0.768
16073	9866	Sisma X SLO	3.8E3	0	0	0	2.3E4	0.768	16074	9866	Sisma Y SLO	0	3.8E3	0	0	2.3E4	0.768
16075	9866	Sisma X SLD	3.1E3	0	0	0	2.3E4	0.768	16076	9866	Sisma Y SLD	0	3.1E3	0	0	2.3E4	0.768
16077	9867	Sisma X SLV	4.7E3	0	0	0	1.5E4	0.768	16078	9867	Sisma Y SLV	0	4.7E3	0	0	1.5E4	0.768
16079	9867	Sisma X SLO	2.5E3	0	0	0	1.5E4	0.768	16080	9867	Sisma Y SLO	0	2.5E3	0	0	1.5E4	0.768
16081	9867	Sisma X SLD	2.1E3	0	0	0	1.5E4	0.768	16082	9867	Sisma Y SLD	0	2.1E3	0	0	1.5E4	0.768
16083	9868	Sisma X SLV	257.8	0	0	0	840	0.768	16084	9868	Sisma Y SLV	0	257.8	0	0	840	0.768
16085	9868	Sisma X SLO	137.4	0	0	0	840	0.768	16086	9868	Sisma Y SLO	0	137.4	0	0	840	0.768
16087	9868	Sisma X SLD	114.1	0	0	0	840	0.768	16088	9868	Sisma Y SLD	0	114.1	0	0	840	0.768
16089	9869	Sisma X SLV	32.7	0	0	0	1.1E2	0.768	16090	9869	Sisma Y SLV	0	32.7	0	0	1.1E2	0.768
16091	9869	Sisma X SLO	17.4	0	0	0	1.1E2	0.768	16092	9869	Sisma Y SLO	0	17.4	0	0	1.1E2	0.768
16093	9869	Sisma X SLD	14.5	0	0	0	1.1E2	0.768	16094	9869	Sisma Y SLD	0	14.5	0	0	1.1E2	0.768
16095	9870	Sisma X SLV	32.8	0	0	0	1.1E2	0.768	16096	9870	Sisma Y SLV	0	32.8	0	0	1.1E2	0.768
16097	9870	Sisma X SLO	17.5	0	0	0	1.1E2	0.768	16098	9870	Sisma Y SLO	0	17.5	0	0	1.1E2	0.768
16099	9870	Sisma X SLD	14.5	0	0	0	1.1E2	0.768	16100	9870	Sisma Y SLD	0	14.5	0	0	1.1E2	0.768
16101	9871	Sisma X SLV	36.5	0	0	0	1.2E2	0.768	16102	9871	Sisma Y SLV	0	36.5	0	0	1.2E2	0.768
16103	9871	Sisma X SLO	19.5	0	0	0	1.2E2	0.768	16104	9871	Sisma Y SLO	0	19.5	0	0	1.2E2	0.768
16105	9871	Sisma X SLD	16.2	0	0	0	1.2E2	0.768	16106	9871	Sisma Y SLD	0	16.2	0	0	1.2E2	0.768
16107	9872	Sisma X SLV	40	0	0	0	1.3E2	0.768	16108	9872	Sisma Y SLV	0	40	0	0	1.3E2	0.768
16109	9872	Sisma X SLO	21.3	0	0	0	1.3E2	0.768	16110	9872	Sisma Y SLO	0	21.3	0	0	1.3E2	0.768
16111	9872	Sisma X SLD	17.7	0	0	0	1.3E2	0.768	16112	9872	Sisma Y SLD	0	17.7	0	0	1.3E2	0.768

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
16113	9873	Sisma X SLV	39.5	0	0	0	1.3E2	0.768	16114	9873	Sisma Y SLV	0	39.5	0	0	1.3E2	0.768
16115	9873	Sisma X SLO	21.1	0	0	0	1.3E2	0.768	16116	9873	Sisma Y SLO	0	21.1	0	0	1.3E2	0.768
16117	9873	Sisma X SLD	17.5	0	0	0	1.3E2	0.768	16118	9873	Sisma Y SLD	0	17.5	0	0	1.3E2	0.768
16119	9874	Sisma X SLV	36.6	0	0	0	1.2E2	0.768	16120	9874	Sisma Y SLV	0	36.6	0	0	1.2E2	0.768
16121	9874	Sisma X SLO	19.5	0	0	0	1.2E2	0.768	16122	9874	Sisma Y SLO	0	19.5	0	0	1.2E2	0.768
16123	9874	Sisma X SLD	16.2	0	0	0	1.2E2	0.768	16124	9874	Sisma Y SLD	0	16.2	0	0	1.2E2	0.768
16125	9875	Sisma X SLV	38	0	0	0	1.2E2	0.768	16126	9875	Sisma Y SLV	0	38	0	0	1.2E2	0.768
16127	9875	Sisma X SLO	20.3	0	0	0	1.2E2	0.768	16128	9875	Sisma Y SLO	0	20.3	0	0	1.2E2	0.768
16129	9875	Sisma X SLD	16.8	0	0	0	1.2E2	0.768	16130	9875	Sisma Y SLD	0	16.8	0	0	1.2E2	0.768
16131	9876	Sisma X SLV	257.8	0	0	0	840	0.768	16132	9876	Sisma Y SLV	0	257.8	0	0	840	0.768
16133	9876	Sisma X SLO	137.4	0	0	0	840	0.768	16134	9876	Sisma Y SLO	0	137.4	0	0	840	0.768
16135	9876	Sisma X SLD	114.1	0	0	0	840	0.768	16136	9876	Sisma Y SLD	0	114.1	0	0	840	0.768
16137	9877	Sisma X SLV	257.8	0	0	0	840	0.768	16138	9877	Sisma Y SLV	0	257.8	0	0	840	0.768
16139	9877	Sisma X SLO	137.4	0	0	0	840	0.768	16140	9877	Sisma Y SLO	0	137.4	0	0	840	0.768
16141	9877	Sisma X SLD	114.1	0	0	0	840	0.768	16142	9877	Sisma Y SLD	0	114.1	0	0	840	0.768
16143	9878	Sisma X SLV	257.8	0	0	0	840	0.768	16144	9878	Sisma Y SLV	0	257.8	0	0	840	0.768
16145	9878	Sisma X SLO	137.4	0	0	0	840	0.768	16146	9878	Sisma Y SLO	0	137.4	0	0	840	0.768
16147	9878	Sisma X SLD	114.1	0	0	0	840	0.768	16148	9878	Sisma Y SLD	0	114.1	0	0	840	0.768
16149	9879	Sisma X SLV	1.5E3	0	0	0	4.8E3	0.768	16150	9879	Sisma Y SLV	0	1.5E3	0	0	4.8E3	0.768
16151	9879	Sisma X SLO	787.7	0	0	0	4.8E3	0.768	16152	9879	Sisma Y SLO	0	787.7	0	0	4.8E3	0.768
16153	9879	Sisma X SLD	653.8	0	0	0	4.8E3	0.768	16154	9879	Sisma Y SLD	0	653.8	0	0	4.8E3	0.768
16155	9880	Sisma X SLV	5.2E3	0	0	0	1.7E4	0.768	16156	9880	Sisma Y SLV	0	5.2E3	0	0	1.7E4	0.768
16157	9880	Sisma X SLO	2.8E3	0	0	0	1.7E4	0.768	16158	9880	Sisma Y SLO	0	2.8E3	0	0	1.7E4	0.768
16159	9880	Sisma X SLD	2.3E3	0	0	0	1.7E4	0.768	16160	9880	Sisma Y SLD	0	2.3E3	0	0	1.7E4	0.768
16161	9881	Sisma X SLV	4.6E3	0	0	0	1.5E4	0.768	16162	9881	Sisma Y SLV	0	4.6E3	0	0	1.5E4	0.768
16163	9881	Sisma X SLO	2.5E3	0	0	0	1.5E4	0.768	16164	9881	Sisma Y SLO	0	2.5E3	0	0	1.5E4	0.768
16165	9881	Sisma X SLD	2.0E3	0	0	0	1.5E4	0.768	16166	9881	Sisma Y SLD	0	2.0E3	0	0	1.5E4	0.768
16167	9882	Sisma X SLV	5.4E3	0	0	0	1.8E4	0.768	16168	9882	Sisma Y SLV	0	5.4E3	0	0	1.8E4	0.768
16169	9882	Sisma X SLO	2897	0	0	0	1.8E4	0.768	16170	9882	Sisma Y SLO	0	2897	0	0	1.8E4	0.768
16171	9882	Sisma X SLD	2.4E3	0	0	0	1.8E4	0.768	16172	9882	Sisma Y SLD	0	2.4E3	0	0	1.8E4	0.768
16173	9883	Sisma X SLV	4.5E3	0	0	0	1.5E4	0.768	16174	9883	Sisma Y SLV	0	4.5E3	0	0	1.5E4	0.768
16175	9883	Sisma X SLO	2.4E3	0	0	0	1.5E4	0.768	16176	9883	Sisma Y SLO	0	2.4E3	0	0	1.5E4	0.768
16177	9883	Sisma X SLD	1975	0	0	0	1.5E4	0.768	16178	9883	Sisma Y SLD	0	1975	0	0	1.5E4	0.768
16179	9884	Sisma X SLV	3.8E3	0	0	0	1.2E4	0.768	16180	9884	Sisma Y SLV	0	3.8E3	0	0	1.2E4	0.768
16181	9884	Sisma X SLO	2.0E3	0	0	0	1.2E4	0.768	16182	9884	Sisma Y SLO	0	2.0E3	0	0	1.2E4	0.768
16183	9884	Sisma X SLD	1667	0	0	0	1.2E4	0.768	16184	9884	Sisma Y SLD	0	1667	0	0	1.2E4	0.768
16185	9885	Sisma X SLV	4.2E3	0	0	0	1.4E4	0.768	16186	9885	Sisma Y SLV	0	4.2E3	0	0	1.4E4	0.768
16187	9885	Sisma X SLO	2.2E3	0	0	0	1.4E4	0.768	16188	9885	Sisma Y SLO	0	2.2E3	0	0	1.4E4	0.768
16189	9885	Sisma X SLD	1.9E3	0	0	0	1.4E4	0.768	16190	9885	Sisma Y SLD	0	1.9E3	0	0	1.4E4	0.768
16191	9886	Sisma X SLV	334	0	0	0	1.1E3	0.768	16192	9886	Sisma Y SLV	0	334	0	0	1.1E3	0.768
16193	9886	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	16194	9886	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
16195	9886	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	16196	9886	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
16197	9887	Sisma X SLV	1.9E3	0	0	0	6.3E3	0.768	16198	9887	Sisma Y SLV	0	1.9E3	0	0	6.3E3	0.768
16199	9887	Sisma X SLO	1.0E3	0	0	0	6.3E3	0.768	16200	9887	Sisma Y SLO	0	1.0E3	0	0	6.3E3	0.768
16201	9887	Sisma X SLD	855.3	0	0	0	6.3E3	0.768	16202	9887	Sisma Y SLD	0	855.3	0	0	6.3E3	0.768
16203	9888	Sisma X SLV	1.3E3	0	0	0	4.2E3	0.768	16204	9888	Sisma Y SLV	0	1.3E3	0	0	4.2E3	0.768
16205	9888	Sisma X SLO	680.2	0	0	0	4.2E3	0.768	16206	9888	Sisma Y SLO	0	680.2	0	0	4.2E3	0.768
16207	9888	Sisma X SLD	564.6	0	0	0	4.2E3	0.768	16208	9888	Sisma Y SLD	0	564.6	0	0	4.2E3	0.768
16209	9889	Sisma X SLV	257.8	0	0	0	840	0.768	16210	9889	Sisma Y SLV	0	257.8	0	0	840	0.768
16211	9889	Sisma X SLO	137.4	0	0	0	840	0.768	16212	9889	Sisma Y SLO	0	137.4	0	0	840	0.768
16213	9889	Sisma X SLD	114.1	0	0	0	840	0.768	16214	9889	Sisma Y SLD	0	114.1	0	0	840	0.768
16215	9890	Sisma X SLV	268	0	0	0	8.7E2	0.768	16216	9890	Sisma Y SLV	0	268	0	0	8.7E2	0.768
16217	9890	Sisma X SLO	142.9	0	0	0	8.7E2	0.768	16218	9890	Sisma Y SLO	0	142.9	0	0	8.7E2	0.768
16219	9890	Sisma X SLD	118.6	0	0	0	8.7E2	0.768	16220	9890	Sisma Y SLD	0	118.6	0	0	8.7E2	0.768
16221	9891	Sisma X SLV	263.5	0	0	0	8.6E2	0.768	16222	9891	Sisma Y SLV	0	263.5	0	0	8.6E2	0.768
16223	9891	Sisma X SLO	140.5	0	0	0	8.6E2	0.768	16224	9891	Sisma Y SLO	0	140.5	0	0	8.6E2	0.768
16225	9891	Sisma X SLD	116.6	0	0	0	8.6E2	0.768	16226	9891	Sisma Y SLD	0	116.6	0	0	8.6E2	0.768
16227	9893	Sisma X SLV	262.9	0	0	0	8.6E2	0.768	16228	9893	Sisma Y SLV	0	262.9	0	0	8.6E2	0.768
16229	9893	Sisma X SLO	140.2	0	0	0	8.6E2	0.768	16230	9893	Sisma Y SLO	0	140.2	0	0	8.6E2	0.768
16231	9893	Sisma X SLD	116.3	0	0	0	8.6E2	0.768	16232	9893	Sisma Y SLD	0	116.3	0	0	8.6E2	0.768
16233	9894	Sisma X SLV	1.4E3	0	0	0	4.5E3	0.768	16234	9894	Sisma Y SLV	0	1.4E3	0	0	4.5E3	0.768
16235	9894	Sisma X SLO	730.5	0	0	0	4.5E3	0.768	16236	9894	Sisma Y SLO	0	730.5	0	0	4.5E3	0.768
16237	9894	Sisma X SLD	606.4	0	0	0	4.5E3	0.768	16238	9894	Sisma Y SLD	0	606.4	0	0	4.5E3	0.768
16239	9895	Sisma X SLV	2.8E3	0	0	0	9.1E3	0.768	16240	9895	Sisma Y SLV	0	2.8E3	0	0	9.1E3	0.768
16241	9895	Sisma X SLO	1.5E3	0	0	0	9.1E3	0.768	16242	9895	Sisma Y SLO	0	1.5E3	0	0	9.1E3	0.768
16243	9895	Sisma X SLD	1.2E3	0	0	0	9.1E3	0.768	16244	9895	Sisma Y SLD	0	1.2E3	0	0	9.1E3	0.768
16245	9896	Sisma X SLV	3.0E3	0	0	0	9.8E3	0.768	16246	9896	Sisma Y SLV	0	3.0E3	0	0	9.8E3	0.768
16247	9896	Sisma X SLO	1.6E3	0	0	0	9.8E3	0.768	16248	9896	Sisma Y SLO	0	1.6E3	0	0	9.8E3	0.768
16249	9896	Sisma X SLD	1.3E3	0	0	0	9.8E3	0.768	16250	9896	Sisma Y SLD	0	1.3E3	0	0	9.8E3	0.768
16251	9897	Sisma X SLV	262.2	0	0	0	8.5E2	0.768	16252	9897	Sisma Y SLV	0	262.2	0	0	8.5E2	0.768
16253	9897	Sisma X SLO	139.8	0	0	0	8.5E2	0.768	16254	9897	Sisma Y SLO	0	139.8	0	0	8.5E2	0.768
16255	9897	Sisma X SLD	116	0	0	0	8.5E2	0.768	16256	9897	Sisma Y SLD	0	116	0	0	8.5E2	0.768
16257	9900	Sisma X SLV	193.8	0	0	0	6.3E2	0.768	16258	9900	Sisma Y SLV	0	193.8	0	0	6.3E2	0.768
16259	9900	Sisma X SLO	103.3	0	0	0	6.3E2	0.768	16260	9900	Sisma Y SLO	0	103.3	0	0	6.3E2	0.768
16261	9900	Sisma X SLD	85.8	0	0	0	6.3E2	0.768	16262	9900	Sisma Y SLD	0	85.8	0	0	6.3E2	0.768
16263	9901	Sisma X SLV	216.9	0	0	0	7.1E2	0.768	16264	9901	Sisma Y SLV	0	216.9	0	0	7.1E2	0.768
16265	9901	Sisma X SLO	115.6	0	0	0	7.1E2	0.768	16266	9901	Sisma Y SLO	0	115.6	0	0	7.1E2	0.768
16267	9901	Sisma X SLD	96	0	0	0	7.1E2	0.768	16268	9901	Sisma Y SLD	0	96	0	0	7.1E2	0.768
16269	9905	Sisma X SLV	304.3	0	0	0	9.9E2	0.768	16270	9905	Sisma Y SLV	0	304.3	0	0	9.9E2	0.768
16271	9905	Sisma X SLO	162.2	0	0	0	9.9E2	0.768	16272	9905	Sisma Y SLO	0	162.2	0	0	9.9E2	0.768
16273	9905	Sisma X SLD	134.7	0	0	0	9.9E2	0.768	16274	9905	Sisma Y SLD	0	134.7	0	0	9.9E2	0.768
16275	9906	Sisma X SLV	1.7E3	0	0	0	5.6E3	0.768	16276	9906	Sisma Y SLV	0	1.7E3	0	0	5.6E3	0.768
16277	9906	Sisma X SLO	910.5	0	0	0	5.6E3	0.768	16278	9906	Sisma Y SLO	0	910.5	0	0	5.6E3	0.768
16279	9906	Sisma X SLD	755.8	0	0	0	5.6E3	0.768	16280	9906	Sisma Y SLD	0	755.8	0	0	5.6E3	0.768
16281	9907	Sisma X SLV	173.4	0	0	0	565	0.768	16282	9907	Sisma Y SLV	0	173.4	0	0	565	0.768
16283	9907	Sisma X SLO	92.4	0	0	0	565	0.768	16284	9907	Sisma Y SLO	0	92.4	0	0	565	0.768
16285	9907	Sisma X SLD	76.7	0	0	0	565	0.768	16286	9907	Sisma Y SLD	0	76.7	0	0	565	0.768
16287	9909	Sisma X SLV	40.2	0	0	0	1.3E2	0.768	16288	9909	Sisma Y SLV	0	40.2	0	0	1.3E2	0.768
16289	9909	Sisma X SLO	21.4	0	0	0	1.3E2	0.768	16290	9909	Sisma Y SLO	0	21.4	0	0	1.3E2	0.768
16291	9909	Sisma X SLD	17.8	0	0	0	1.3E2	0.768	16292	9909	Sisma Y SLD	0	17.8	0	0	1.3E2	0.768
16293	9910	Sisma X SLV	36.3	0	0	0	1.2E2	0.768	16294	9910	Sisma Y SLV	0	36.3	0	0	1.2E2	0.768
16295	9910	Sisma X SLO	19.3	0	0	0	1.2E2	0.768	16296	9910	Sisma Y SLO	0	19.3	0	0	1.2E2	0.768
16297	9910	Sisma X SLD	16.1	0	0	0	1.2E2	0.768	16298	9910	Sisma Y SLD	0	16.1	0	0	1.2E2	0.768
16299	9911	Sisma X SLV	34.1	0	0	0	1.1E2	0.768	16300	9911	Sisma Y SLV	0	34.1	0	0	1.1E2	0.768
16301	9911	Sisma X SLO	18.2	0	0	0	1.1E2	0.768	16302	9911	Sisma Y SLO	0	18.2	0	0	1.1E2	0.768
16303	9911	Sisma X SLD	15.1	0	0	0	1.1E2	0.768	16304	9911	Sisma Y SLD	0	15.1	0	0	1.1E2	0.768
16305	9912	Sisma X SLV	33.8	0	0	0	1.1E2	0.768	16306	9912	Sisma Y SLV	0	33.8	0	0	1.1E2	0.768
16307	9912	Sisma X SLO	18	0	0	0	1.1E2	0.768	16308	9912	Sisma Y SLO	0	18	0	0	1.1E2	0.768
16309	9912	Sisma X SLD	14.9	0	0	0	1.1E2	0.768	16310	9912	Sisma Y SLD	0	14.9	0	0	1.1E2	0.768
16311	9913	Sisma X SLV	33.8	0	0	0	1.1E2	0.768	16312	9913	Sisma Y SLV	0	33.8	0	0	1.1E2	0.768

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
16313	9913	Sisma X SLO	18	0	0	0	1.1E2	0.768	16314	9913	Sisma Y SLO	0	18	0	0	1.1E2	0.768
16315	9913	Sisma X SLD	15	0	0	0	1.1E2	0.768	16316	9913	Sisma Y SLD	0	15	0	0	1.1E2	0.768
16317	9914	Sisma X SLV	37.7	0	0	0	1.2E2	0.768	16318	9914	Sisma Y SLV	0	37.7	0	0	1.2E2	0.768
16319	9914	Sisma X SLO	20.1	0	0	0	1.2E2	0.768	16320	9914	Sisma Y SLO	0	20.1	0	0	1.2E2	0.768
16321	9914	Sisma X SLD	16.7	0	0	0	1.2E2	0.768	16322	9914	Sisma Y SLD	0	16.7	0	0	1.2E2	0.768
16323	9915	Sisma X SLV	41.9	0	0	0	1.4E2	0.768	16324	9915	Sisma Y SLV	0	41.9	0	0	1.4E2	0.768
16325	9915	Sisma X SLO	22.3	0	0	0	1.4E2	0.768	16326	9915	Sisma Y SLO	0	22.3	0	0	1.4E2	0.768
16327	9915	Sisma X SLD	18.5	0	0	0	1.4E2	0.768	16328	9915	Sisma Y SLD	0	18.5	0	0	1.4E2	0.768
16329	9916	Sisma X SLV	4.2E3	0	0	0	1.4E4	0.768	16330	9916	Sisma Y SLV	0	4.2E3	0	0	1.4E4	0.768
16331	9916	Sisma X SLO	2.2E3	0	0	0	1.4E4	0.768	16332	9916	Sisma Y SLO	0	2.2E3	0	0	1.4E4	0.768
16333	9916	Sisma X SLD	1.9E3	0	0	0	1.4E4	0.768	16334	9916	Sisma Y SLD	0	1.9E3	0	0	1.4E4	0.768
16335	9917	Sisma X SLV	34.3	0	0	0	1.1E2	0.768	16336	9917	Sisma Y SLV	0	34.3	0	0	1.1E2	0.768
16337	9917	Sisma X SLO	18.3	0	0	0	1.1E2	0.768	16338	9917	Sisma Y SLO	0	18.3	0	0	1.1E2	0.768
16339	9917	Sisma X SLD	15.2	0	0	0	1.1E2	0.768	16340	9917	Sisma Y SLD	0	15.2	0	0	1.1E2	0.768
16341	9918	Sisma X SLV	32.6	0	0	0	1.1E2	0.768	16342	9918	Sisma Y SLV	0	32.6	0	0	1.1E2	0.768
16343	9918	Sisma X SLO	17.4	0	0	0	1.1E2	0.768	16344	9918	Sisma Y SLO	0	17.4	0	0	1.1E2	0.768
16345	9918	Sisma X SLD	14.4	0	0	0	1.1E2	0.768	16346	9918	Sisma Y SLD	0	14.4	0	0	1.1E2	0.768
16347	9919	Sisma X SLV	32.7	0	0	0	1.1E2	0.768	16348	9919	Sisma Y SLV	0	32.7	0	0	1.1E2	0.768
16349	9919	Sisma X SLO	17.5	0	0	0	1.1E2	0.768	16350	9919	Sisma Y SLO	0	17.5	0	0	1.1E2	0.768
16351	9919	Sisma X SLD	14.5	0	0	0	1.1E2	0.768	16352	9919	Sisma Y SLD	0	14.5	0	0	1.1E2	0.768
16353	9920	Sisma X SLV	33.5	0	0	0	1.1E2	0.768	16354	9920	Sisma Y SLV	0	33.5	0	0	1.1E2	0.768
16355	9920	Sisma X SLO	17.9	0	0	0	1.1E2	0.768	16356	9920	Sisma Y SLO	0	17.9	0	0	1.1E2	0.768
16357	9920	Sisma X SLD	14.8	0	0	0	1.1E2	0.768	16358	9920	Sisma Y SLD	0	14.8	0	0	1.1E2	0.768
16359	9921	Sisma X SLV	40.3	0	0	0	1.3E2	0.768	16360	9921	Sisma Y SLV	0	40.3	0	0	1.3E2	0.768
16361	9921	Sisma X SLO	21.5	0	0	0	1.3E2	0.768	16362	9921	Sisma Y SLO	0	21.5	0	0	1.3E2	0.768
16363	9921	Sisma X SLD	17.8	0	0	0	1.3E2	0.768	16364	9921	Sisma Y SLD	0	17.8	0	0	1.3E2	0.768
16365	9922	Sisma X SLV	51.2	0	0	0	1.7E2	0.768	16366	9922	Sisma Y SLV	0	51.2	0	0	1.7E2	0.768
16367	9922	Sisma X SLO	27.3	0	0	0	1.7E2	0.768	16368	9922	Sisma Y SLO	0	27.3	0	0	1.7E2	0.768
16369	9922	Sisma X SLD	22.7	0	0	0	1.7E2	0.768	16370	9922	Sisma Y SLD	0	22.7	0	0	1.7E2	0.768
16371	9923	Sisma X SLV	4.2E3	0	0	0	1.4E4	0.768	16372	9923	Sisma Y SLV	0	4.2E3	0	0	1.4E4	0.768
16373	9923	Sisma X SLO	2.2E3	0	0	0	1.4E4	0.768	16374	9923	Sisma Y SLO	0	2.2E3	0	0	1.4E4	0.768
16375	9923	Sisma X SLD	1.9E3	0	0	0	1.4E4	0.768	16376	9923	Sisma Y SLD	0	1.9E3	0	0	1.4E4	0.768
16377	9924	Sisma X SLV	42.1	0	0	0	1.4E2	0.768	16378	9924	Sisma Y SLV	0	42.1	0	0	1.4E2	0.768
16379	9924	Sisma X SLO	22.4	0	0	0	1.4E2	0.768	16380	9924	Sisma Y SLO	0	22.4	0	0	1.4E2	0.768
16381	9924	Sisma X SLD	18.6	0	0	0	1.4E2	0.768	16382	9924	Sisma Y SLD	0	18.6	0	0	1.4E2	0.768
16383	9925	Sisma X SLV	32	0	0	0	1.0E2	0.768	16384	9925	Sisma Y SLV	0	32	0	0	1.0E2	0.768
16385	9925	Sisma X SLO	17	0	0	0	1.0E2	0.768	16386	9925	Sisma Y SLO	0	17	0	0	1.0E2	0.768
16387	9925	Sisma X SLD	14.1	0	0	0	1.0E2	0.768	16388	9925	Sisma Y SLD	0	14.1	0	0	1.0E2	0.768
16389	9926	Sisma X SLV	31.2	0	0	0	1.0E2	0.768	16390	9926	Sisma Y SLV	0	31.2	0	0	1.0E2	0.768
16391	9926	Sisma X SLO	16.6	0	0	0	1.0E2	0.768	16392	9926	Sisma Y SLO	0	16.6	0	0	1.0E2	0.768
16393	9926	Sisma X SLD	13.8	0	0	0	1.0E2	0.768	16394	9926	Sisma Y SLD	0	13.8	0	0	1.0E2	0.768
16395	9927	Sisma X SLV	29.5	0	0	0	9.6E1	0.768	16396	9927	Sisma Y SLV	0	29.5	0	0	9.6E1	0.768
16397	9927	Sisma X SLO	15.8	0	0	0	9.6E1	0.768	16398	9927	Sisma Y SLO	0	15.8	0	0	9.6E1	0.768
16399	9927	Sisma X SLD	13.1	0	0	0	9.6E1	0.768	16400	9927	Sisma Y SLD	0	13.1	0	0	9.6E1	0.768
16401	9928	Sisma X SLV	29.2	0	0	0	9.5E1	0.768	16402	9928	Sisma Y SLV	0	29.2	0	0	9.5E1	0.768
16403	9928	Sisma X SLO	15.6	0	0	0	9.5E1	0.768	16404	9928	Sisma Y SLO	0	15.6	0	0	9.5E1	0.768
16405	9928	Sisma X SLD	12.9	0	0	0	9.5E1	0.768	16406	9928	Sisma Y SLD	0	12.9	0	0	9.5E1	0.768
16407	9929	Sisma X SLV	31	0	0	0	1.0E2	0.768	16408	9929	Sisma Y SLV	0	31	0	0	1.0E2	0.768
16409	9929	Sisma X SLO	16.5	0	0	0	1.0E2	0.768	16410	9929	Sisma Y SLO	0	16.5	0	0	1.0E2	0.768
16411	9929	Sisma X SLD	13.7	0	0	0	1.0E2	0.768	16412	9929	Sisma Y SLD	0	13.7	0	0	1.0E2	0.768
16413	9930	Sisma X SLV	32.6	0	0	0	1.1E2	0.768	16414	9930	Sisma Y SLV	0	32.6	0	0	1.1E2	0.768
16415	9930	Sisma X SLO	17.4	0	0	0	1.1E2	0.768	16416	9930	Sisma Y SLO	0	17.4	0	0	1.1E2	0.768
16417	9930	Sisma X SLD	14.4	0	0	0	1.1E2	0.768	16418	9930	Sisma Y SLD	0	14.4	0	0	1.1E2	0.768
16419	9931	Sisma X SLV	1.8E3	0	0	0	5.7E3	0.768	16420	9931	Sisma Y SLV	0	1.8E3	0	0	5.7E3	0.768
16421	9931	Sisma X SLO	933.2	0	0	0	5.7E3	0.768	16422	9931	Sisma Y SLO	0	933.2	0	0	5.7E3	0.768
16423	9931	Sisma X SLD	774.6	0	0	0	5.7E3	0.768	16424	9931	Sisma Y SLD	0	774.6	0	0	5.7E3	0.768
16425	9932	Sisma X SLV	34.1	0	0	0	1.1E2	0.768	16426	9932	Sisma Y SLV	0	34.1	0	0	1.1E2	0.768
16427	9932	Sisma X SLO	18.2	0	0	0	1.1E2	0.768	16428	9932	Sisma Y SLO	0	18.2	0	0	1.1E2	0.768
16429	9932	Sisma X SLD	15.1	0	0	0	1.1E2	0.768	16430	9932	Sisma Y SLD	0	15.1	0	0	1.1E2	0.768
16431	9933	Sisma X SLV	38.6	0	0	0	1.3E2	0.768	16432	9933	Sisma Y SLV	0	38.6	0	0	1.3E2	0.768
16433	9933	Sisma X SLO	20.6	0	0	0	1.3E2	0.768	16434	9933	Sisma Y SLO	0	20.6	0	0	1.3E2	0.768
16435	9933	Sisma X SLD	17.1	0	0	0	1.3E2	0.768	16436	9933	Sisma Y SLD	0	17.1	0	0	1.3E2	0.768
16437	9934	Sisma X SLV	43.1	0	0	0	1.4E2	0.768	16438	9934	Sisma Y SLV	0	43.1	0	0	1.4E2	0.768
16439	9934	Sisma X SLO	23	0	0	0	1.4E2	0.768	16440	9934	Sisma Y SLO	0	23	0	0	1.4E2	0.768
16441	9934	Sisma X SLD	19.1	0	0	0	1.4E2	0.768	16442	9934	Sisma Y SLD	0	19.1	0	0	1.4E2	0.768
16443	9935	Sisma X SLV	44.1	0	0	0	1.4E2	0.768	16444	9935	Sisma Y SLV	0	44.1	0	0	1.4E2	0.768
16445	9935	Sisma X SLO	23.5	0	0	0	1.4E2	0.768	16446	9935	Sisma Y SLO	0	23.5	0	0	1.4E2	0.768
16447	9935	Sisma X SLD	19.5	0	0	0	1.4E2	0.768	16448	9935	Sisma Y SLD	0	19.5	0	0	1.4E2	0.768
16449	9936	Sisma X SLV	43.2	0	0	0	1.4E2	0.768	16450	9936	Sisma Y SLV	0	43.2	0	0	1.4E2	0.768
16451	9936	Sisma X SLO	23	0	0	0	1.4E2	0.768	16452	9936	Sisma Y SLO	0	23	0	0	1.4E2	0.768
16453	9936	Sisma X SLD	19.1	0	0	0	1.4E2	0.768	16454	9936	Sisma Y SLD	0	19.1	0	0	1.4E2	0.768
16455	9937	Sisma X SLV	44.3	0	0	0	1.4E2	0.768	16456	9937	Sisma Y SLV	0	44.3	0	0	1.4E2	0.768
16457	9937	Sisma X SLO	23.6	0	0	0	1.4E2	0.768	16458	9937	Sisma Y SLO	0	23.6	0	0	1.4E2	0.768
16459	9937	Sisma X SLD	19.6	0	0	0	1.4E2	0.768	16460	9937	Sisma Y SLD	0	19.6	0	0	1.4E2	0.768
16461	9938	Sisma X SLV	39.1	0	0	0	1.3E2	0.768	16462	9938	Sisma Y SLV	0	39.1	0	0	1.3E2	0.768
16463	9938	Sisma X SLO	20.8	0	0	0	1.3E2	0.768	16464	9938	Sisma Y SLO	0	20.8	0	0	1.3E2	0.768
16465	9938	Sisma X SLD	17.3	0	0	0	1.3E2	0.768	16466	9938	Sisma Y SLD	0	17.3	0	0	1.3E2	0.768
16467	9939	Sisma X SLV	4.3E3	0	0	0	1.4E4	0.768	16468	9939	Sisma Y SLV	0	4.3E3	0	0	1.4E4	0.768
16469	9939	Sisma X SLO	2.3E3	0	0	0	1.4E4	0.768	16470	9939	Sisma Y SLO	0	2.3E3	0	0	1.4E4	0.768
16471	9939	Sisma X SLD	1.9E3	0	0	0	1.4E4	0.768	16472	9939	Sisma Y SLD	0	1.9E3	0	0	1.4E4	0.768
16473	9940	Sisma X SLV	35.2	0	0	0	1.1E2	0.768	16474	9940	Sisma Y SLV	0	35.2	0	0	1.1E2	0.768
16475	9940	Sisma X SLO	18.7	0	0	0	1.1E2	0.768	16476	9940	Sisma Y SLO	0	18.7	0	0	1.1E2	0.768
16477	9940	Sisma X SLD	15.6	0	0	0	1.1E2	0.768	16478	9940	Sisma Y SLD	0	15.6	0	0	1.1E2	0.768
16479	9941	Sisma X SLV	33	0	0	0	1.1E2	0.768	16480	9941	Sisma Y SLV	0	33	0	0	1.1E2	0.768
16481	9941	Sisma X SLO	17.6	0	0	0	1.1E2	0.768	16482	9941	Sisma Y SLO	0	17.6	0	0	1.1E2	0.768
16483	9941	Sisma X SLD	14.6	0	0	0	1.1E2	0.768	16484	9941	Sisma Y SLD	0	14.6	0	0	1.1E2	0.768
16485	9942	Sisma X SLV	33	0	0	0	1.1E2	0.768	16486	9942	Sisma Y SLV	0	33	0	0	1.1E2	0.768
16487	9942	Sisma X SLO	17.6	0	0	0	1.1E2	0.768	16488	9942	Sisma Y SLO	0	17.6	0	0	1.1E2	0.768
16489	9942	Sisma X SLD	14.6	0	0	0	1.1E2	0.768	16490	9942	Sisma Y SLD	0	14.6	0	0	1.1E2	0.768
16491	9943	Sisma X SLV	33.2	0	0	0	1.1E2	0.768	16492	9943	Sisma Y SLV	0	33.2	0	0	1.1E2	0.768
16493	9943	Sisma X SLO	17.7	0	0	0	1.1E2	0.768	16494	9943	Sisma Y SLO	0	17.7	0	0	1.1E2	0.768
16495	9943	Sisma X SLD	14.7	0	0	0	1.1E2	0.768	16496	9943	Sisma Y SLD	0	14.7	0	0	1.1E2	0.768
16497	9944	Sisma X SLV	38.4	0	0	0	1.3E2	0.768	16498	9944	Sisma Y SLV	0	38.4	0	0	1.3E2	0.768
16499	9944	Sisma X SLO	20.5	0	0	0	1.3E2	0.768	16500	9944	Sisma Y SLO	0	20.5	0	0	1.3E2	0.768
16501	9944	Sisma X SLD	17	0	0	0	1.3E2	0.768	16502	9944	Sisma Y SLD	0	17	0	0	1.3E2	0.768
16503	9945	Sisma X SLV	46.1	0	0	0	1.5E2	0.768	16504	9945	Sisma Y SLV	0	46.1	0	0	1.5E2	0.768
16505	9945	Sisma X SLO	24.6	0	0	0	1.5E2	0.768	16506	9945	Sisma Y SLO	0	24.6	0	0	1.5E2	0.768
16507	9945	Sisma X SLD	20.4	0	0	0	1.5E2	0.768	16508	9945	Sisma Y SLD	0	20.4	0	0	1.5E2	0.768
16509	9946	Sisma X SLV	4.3E3	0	0	0	1.4E4	0.768	16510	9946	Sisma Y SLV	0	4.3E3	0	0	1.4E4	0.768
16511	9946	Sisma X SLO	2.3E3	0	0	0	1.4E4	0.768	16512	9946	Sisma Y SLO	0	2.3E3	0	0	1.4E4	0.768

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
16513	9946	Sisma X SLD	1.9E3	0	0	0	1.4E4	0.768	16514	9946	Sisma Y SLD	0	1.9E3	0	0	1.4E4	0.768
16515	9947	Sisma X SLV	40.6	0	0	0	1.3E2	0.768	16516	9947	Sisma Y SLV	0	40.6	0	0	1.3E2	0.768
16517	9947	Sisma X SLO	21.6	0	0	0	1.3E2	0.768	16518	9947	Sisma Y SLO	0	21.6	0	0	1.3E2	0.768
16519	9947	Sisma X SLD	17.9	0	0	0	1.3E2	0.768	16520	9947	Sisma Y SLD	0	17.9	0	0	1.3E2	0.768
16521	9948	Sisma X SLV	40.1	0	0	0	1.3E2	0.768	16522	9948	Sisma Y SLV	0	40.1	0	0	1.3E2	0.768
16523	9948	Sisma X SLO	21.4	0	0	0	1.3E2	0.768	16524	9948	Sisma Y SLO	0	21.4	0	0	1.3E2	0.768
16525	9948	Sisma X SLD	17.8	0	0	0	1.3E2	0.768	16526	9948	Sisma Y SLD	0	17.8	0	0	1.3E2	0.768
16527	9949	Sisma X SLV	40.6	0	0	0	1.3E2	0.768	16528	9949	Sisma Y SLV	0	40.6	0	0	1.3E2	0.768
16529	9949	Sisma X SLO	21.6	0	0	0	1.3E2	0.768	16530	9949	Sisma Y SLO	0	21.6	0	0	1.3E2	0.768
16531	9949	Sisma X SLD	18	0	0	0	1.3E2	0.768	16532	9949	Sisma Y SLD	0	18	0	0	1.3E2	0.768
16533	9950	Sisma X SLV	40.3	0	0	0	1.3E2	0.768	16534	9950	Sisma Y SLV	0	40.3	0	0	1.3E2	0.768
16535	9950	Sisma X SLO	21.5	0	0	0	1.3E2	0.768	16536	9950	Sisma Y SLO	0	21.5	0	0	1.3E2	0.768
16537	9950	Sisma X SLD	17.8	0	0	0	1.3E2	0.768	16538	9950	Sisma Y SLD	0	17.8	0	0	1.3E2	0.768
16539	9951	Sisma X SLV	37.3	0	0	0	1.2E2	0.768	16540	9951	Sisma Y SLV	0	37.3	0	0	1.2E2	0.768
16541	9951	Sisma X SLO	19.9	0	0	0	1.2E2	0.768	16542	9951	Sisma Y SLO	0	19.9	0	0	1.2E2	0.768
16543	9951	Sisma X SLD	16.5	0	0	0	1.2E2	0.768	16544	9951	Sisma Y SLD	0	16.5	0	0	1.2E2	0.768
16545	9952	Sisma X SLV	34.9	0	0	0	1.1E2	0.768	16546	9952	Sisma Y SLV	0	34.9	0	0	1.1E2	0.768
16547	9952	Sisma X SLO	18.6	0	0	0	1.1E2	0.768	16548	9952	Sisma Y SLO	0	18.6	0	0	1.1E2	0.768
16549	9952	Sisma X SLD	15.4	0	0	0	1.1E2	0.768	16550	9952	Sisma Y SLD	0	15.4	0	0	1.1E2	0.768
16551	9953	Sisma X SLV	33.8	0	0	0	1.1E2	0.768	16552	9953	Sisma Y SLV	0	33.8	0	0	1.1E2	0.768
16553	9953	Sisma X SLO	18	0	0	0	1.1E2	0.768	16554	9953	Sisma Y SLO	0	18	0	0	1.1E2	0.768
16555	9953	Sisma X SLD	14.9	0	0	0	1.1E2	0.768	16556	9953	Sisma Y SLD	0	14.9	0	0	1.1E2	0.768
16557	9954	Sisma X SLV	1.8E3	0	0	0	5.9E3	0.768	16558	9954	Sisma Y SLV	0	1.8E3	0	0	5.9E3	0.768
16559	9954	Sisma X SLO	958.3	0	0	0	5.9E3	0.768	16560	9954	Sisma Y SLO	0	958.3	0	0	5.9E3	0.768
16561	9954	Sisma X SLD	795.5	0	0	0	5.9E3	0.768	16562	9954	Sisma Y SLD	0	795.5	0	0	5.9E3	0.768
16563	9955	Sisma X SLV	39.7	0	0	0	1.3E2	0.768	16564	9955	Sisma Y SLV	0	39.7	0	0	1.3E2	0.768
16565	9955	Sisma X SLO	21.2	0	0	0	1.3E2	0.768	16566	9955	Sisma Y SLO	0	21.2	0	0	1.3E2	0.768
16567	9955	Sisma X SLD	17.6	0	0	0	1.3E2	0.768	16568	9955	Sisma Y SLD	0	17.6	0	0	1.3E2	0.768
16569	9956	Sisma X SLV	34.6	0	0	0	1.1E2	0.768	16570	9956	Sisma Y SLV	0	34.6	0	0	1.1E2	0.768
16571	9956	Sisma X SLO	18.5	0	0	0	1.1E2	0.768	16572	9956	Sisma Y SLO	0	18.5	0	0	1.1E2	0.768
16573	9956	Sisma X SLD	15.3	0	0	0	1.1E2	0.768	16574	9956	Sisma Y SLD	0	15.3	0	0	1.1E2	0.768
16575	9957	Sisma X SLV	29.6	0	0	0	9.6E1	0.768	16576	9957	Sisma Y SLV	0	29.6	0	0	9.6E1	0.768
16577	9957	Sisma X SLO	15.8	0	0	0	9.6E1	0.768	16578	9957	Sisma Y SLO	0	15.8	0	0	9.6E1	0.768
16579	9957	Sisma X SLD	13.1	0	0	0	9.6E1	0.768	16580	9957	Sisma Y SLD	0	13.1	0	0	9.6E1	0.768
16581	9958	Sisma X SLV	28.6	0	0	0	93.27	0.768	16582	9958	Sisma Y SLV	0	28.6	0	0	93.27	0.768
16583	9958	Sisma X SLO	15.3	0	0	0	93.27	0.768	16584	9958	Sisma Y SLO	0	15.3	0	0	93.27	0.768
16585	9958	Sisma X SLD	12.7	0	0	0	93.27	0.768	16586	9958	Sisma Y SLD	0	12.7	0	0	93.27	0.768
16587	9959	Sisma X SLV	28.3	0	0	0	92.34	0.768	16588	9959	Sisma Y SLV	0	28.3	0	0	92.34	0.768
16589	9959	Sisma X SLO	15.1	0	0	0	92.34	0.768	16590	9959	Sisma Y SLO	0	15.1	0	0	92.34	0.768
16591	9959	Sisma X SLD	12.5	0	0	0	92.34	0.768	16592	9959	Sisma Y SLD	0	12.5	0	0	92.34	0.768
16593	9960	Sisma X SLV	36.6	0	0	0	1.2E2	0.768	16594	9960	Sisma Y SLV	0	36.6	0	0	1.2E2	0.768
16595	9960	Sisma X SLO	19.5	0	0	0	1.2E2	0.768	16596	9960	Sisma Y SLO	0	19.5	0	0	1.2E2	0.768
16597	9960	Sisma X SLD	16.2	0	0	0	1.2E2	0.768	16598	9960	Sisma Y SLD	0	16.2	0	0	1.2E2	0.768
16599	9961	Sisma X SLV	45.8	0	0	0	1.5E2	0.768	16600	9961	Sisma Y SLV	0	45.8	0	0	1.5E2	0.768
16601	9961	Sisma X SLO	24.4	0	0	0	1.5E2	0.768	16602	9961	Sisma Y SLO	0	24.4	0	0	1.5E2	0.768
16603	9961	Sisma X SLD	20.2	0	0	0	1.5E2	0.768	16604	9961	Sisma Y SLD	0	20.2	0	0	1.5E2	0.768
16605	9962	Sisma X SLV	4.2E3	0	0	0	1.4E4	0.768	16606	9962	Sisma Y SLV	0	4.2E3	0	0	1.4E4	0.768
16607	9962	Sisma X SLO	2.3E3	0	0	0	1.4E4	0.768	16608	9962	Sisma Y SLO	0	2.3E3	0	0	1.4E4	0.768
16609	9962	Sisma X SLD	1.9E3	0	0	0	1.4E4	0.768	16610	9962	Sisma Y SLD	0	1.9E3	0	0	1.4E4	0.768
16611	9963	Sisma X SLV	37.5	0	0	0	1.2E2	0.768	16612	9963	Sisma Y SLV	0	37.5	0	0	1.2E2	0.768
16613	9963	Sisma X SLO	20	0	0	0	1.2E2	0.768	16614	9963	Sisma Y SLO	0	20	0	0	1.2E2	0.768
16615	9963	Sisma X SLD	16.6	0	0	0	1.2E2	0.768	16616	9963	Sisma Y SLD	0	16.6	0	0	1.2E2	0.768
16617	9964	Sisma X SLV	33	0	0	0	1.1E2	0.768	16618	9964	Sisma Y SLV	0	33	0	0	1.1E2	0.768
16619	9964	Sisma X SLO	17.6	0	0	0	1.1E2	0.768	16620	9964	Sisma Y SLO	0	17.6	0	0	1.1E2	0.768
16621	9964	Sisma X SLD	14.6	0	0	0	1.1E2	0.768	16622	9964	Sisma Y SLD	0	14.6	0	0	1.1E2	0.768
16623	9965	Sisma X SLV	32.7	0	0	0	1.1E2	0.768	16624	9965	Sisma Y SLV	0	32.7	0	0	1.1E2	0.768
16625	9965	Sisma X SLO	17.4	0	0	0	1.1E2	0.768	16626	9965	Sisma Y SLO	0	17.4	0	0	1.1E2	0.768
16627	9965	Sisma X SLD	14.5	0	0	0	1.1E2	0.768	16628	9965	Sisma Y SLD	0	14.5	0	0	1.1E2	0.768
16629	9966	Sisma X SLV	32.7	0	0	0	1.1E2	0.768	16630	9966	Sisma Y SLV	0	32.7	0	0	1.1E2	0.768
16631	9966	Sisma X SLO	17.4	0	0	0	1.1E2	0.768	16632	9966	Sisma Y SLO	0	17.4	0	0	1.1E2	0.768
16633	9966	Sisma X SLD	14.5	0	0	0	1.1E2	0.768	16634	9966	Sisma Y SLD	0	14.5	0	0	1.1E2	0.768
16635	9967	Sisma X SLV	33.8	0	0	0	1.1E2	0.768	16636	9967	Sisma Y SLV	0	33.8	0	0	1.1E2	0.768
16637	9967	Sisma X SLO	18	0	0	0	1.1E2	0.768	16638	9967	Sisma Y SLO	0	18	0	0	1.1E2	0.768
16639	9967	Sisma X SLD	15	0	0	0	1.1E2	0.768	16640	9967	Sisma Y SLD	0	15	0	0	1.1E2	0.768
16641	9968	Sisma X SLV	36	0	0	0	1.2E2	0.768	16642	9968	Sisma Y SLV	0	36	0	0	1.2E2	0.768
16643	9968	Sisma X SLO	19.2	0	0	0	1.2E2	0.768	16644	9968	Sisma Y SLO	0	19.2	0	0	1.2E2	0.768
16645	9968	Sisma X SLD	15.9	0	0	0	1.2E2	0.768	16646	9968	Sisma Y SLD	0	15.9	0	0	1.2E2	0.768
16647	9969	Sisma X SLV	4.2E3	0	0	0	1.4E4	0.768	16648	9969	Sisma Y SLV	0	4.2E3	0	0	1.4E4	0.768
16649	9969	Sisma X SLO	2.2E3	0	0	0	1.4E4	0.768	16650	9969	Sisma Y SLO	0	2.2E3	0	0	1.4E4	0.768
16651	9969	Sisma X SLD	1.9E3	0	0	0	1.4E4	0.768	16652	9969	Sisma Y SLD	0	1.9E3	0	0	1.4E4	0.768
16653	9970	Sisma X SLV	38.1	0	0	0	1.2E2	0.768	16654	9970	Sisma Y SLV	0	38.1	0	0	1.2E2	0.768
16655	9970	Sisma X SLO	20.3	0	0	0	1.2E2	0.768	16656	9970	Sisma Y SLO	0	20.3	0	0	1.2E2	0.768
16657	9970	Sisma X SLD	16.9	0	0	0	1.2E2	0.768	16658	9970	Sisma Y SLD	0	16.9	0	0	1.2E2	0.768
16659	9971	Sisma X SLV	38.9	0	0	0	1.3E2	0.768	16660	9971	Sisma Y SLV	0	38.9	0	0	1.3E2	0.768
16661	9971	Sisma X SLO	20.7	0	0	0	1.3E2	0.768	16662	9971	Sisma Y SLO	0	20.7	0	0	1.3E2	0.768
16663	9971	Sisma X SLD	17.2	0	0	0	1.3E2	0.768	16664	9971	Sisma Y SLD	0	17.2	0	0	1.3E2	0.768
16665	9972	Sisma X SLV	40.2	0	0	0	1.3E2	0.768	16666	9972	Sisma Y SLV	0	40.2	0	0	1.3E2	0.768
16667	9972	Sisma X SLO	21.5	0	0	0	1.3E2	0.768	16668	9972	Sisma Y SLO	0	21.5	0	0	1.3E2	0.768
16669	9972	Sisma X SLD	17.8	0	0	0	1.3E2	0.768	16670	9972	Sisma Y SLD	0	17.8	0	0	1.3E2	0.768
16671	9973	Sisma X SLV	39.5	0	0	0	1.3E2	0.768	16672	9973	Sisma Y SLV	0	39.5	0	0	1.3E2	0.768
16673	9973	Sisma X SLO	21.1	0	0	0	1.3E2	0.768	16674	9973	Sisma Y SLO	0	21.1	0	0	1.3E2	0.768
16675	9973	Sisma X SLD	17.5	0	0	0	1.3E2	0.768	16676	9973	Sisma Y SLD	0	17.5	0	0	1.3E2	0.768
16677	9974	Sisma X SLV	36	0	0	0	1.2E2	0.768	16678	9974	Sisma Y SLV	0	36	0	0	1.2E2	0.768
16679	9974	Sisma X SLO	19.2	0	0	0	1.2E2	0.768	16680	9974	Sisma Y SLO	0	19.2	0	0	1.2E2	0.768
16681	9974	Sisma X SLD	15.9	0	0	0	1.2E2	0.768	16682	9974	Sisma Y SLD	0	15.9	0	0	1.2E2	0.768
16683	9975	Sisma X SLV	36.1	0	0	0	1.2E2	0.768	16684	9975	Sisma Y SLV	0	36.1	0	0	1.2E2	0.768
16685	9975	Sisma X SLO	19.3	0	0	0	1.2E2	0.768	16686	9975	Sisma Y SLO	0	19.3	0	0	1.2E2	0.768
16687	9975	Sisma X SLD	16	0	0	0	1.2E2	0.768	16688	9975	Sisma Y SLD	0	16	0	0	1.2E2	0.768
16689	9976	Sisma X SLV	41.7	0	0	0	1.4E2	0.768	16690	9976	Sisma Y SLV	0	41.7	0	0	1.4E2	0.768
16691	9976	Sisma X SLO	22.2	0	0	0	1.4E2	0.768	16692	9976	Sisma Y SLO	0	22.2	0	0	1.4E2	0.768
16693	9976	Sisma X SLD	18.5	0	0	0	1.4E2	0.768	16694	9976	Sisma Y SLD	0	18.5	0	0	1.4E2	0.768
16695	9977	Sisma X SLV	144.8	0	0	0	4.7E2	0.768	16696	9977	Sisma Y SLV	0	144.8	0	0	4.7E2	0.768
16697	9977	Sisma X SLO	77.2	0	0	0	4.7E2	0.768	16698	9977	Sisma Y SLO	0	77.2	0	0	4.7E2	0.768
16699	9977	Sisma X SLD	64.1	0	0	0	4.7E2	0.768	16700	9977	Sisma Y SLD	0	64.1	0	0	4.7E2	0.768
16701	9978	Sisma X SLV	257.8	0	0	0	840	0.768	16702	9978	Sisma Y SLV	0	257.8	0	0	840	0.768
16703	9978	Sisma X SLO	137.4	0	0	0	840	0.768	16704	9978	Sisma Y SLO	0	137.4	0	0	840	0.768
16705	9978	Sisma X SLD	114.1	0	0	0	840	0.768	16706	9978	Sisma Y SLD	0	114.1	0	0	840	0.768
16707	9979	Sisma X SLV	257.8	0	0	0	840	0.768	16708	9979	Sisma Y SLV	0	257.8	0	0	840	0.768
16709	9979	Sisma X SLO	137.4	0	0	0	840	0.768	16710	9979	Sisma Y SLO	0	137.4	0	0	840	0.768
16711	9979	Sisma X SLD	114.1	0	0	0	840	0.768	16712	9979	Sisma Y SLD	0	114.1	0	0	840	0.768

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
16713	9980	Sisma X SLV	257.8	0	0	0	840	0.768	16714	9980	Sisma Y SLV	0	257.8	0	0	840	0.768
16715	9980	Sisma X SLO	137.4	0	0	0	840	0.768	16716	9980	Sisma Y SLO	0	137.4	0	0	840	0.768
16717	9980	Sisma X SLD	114.1	0	0	0	840	0.768	16718	9980	Sisma Y SLD	0	114.1	0	0	840	0.768
16719	9981	Sisma X SLV	257.8	0	0	0	840	0.768	16720	9981	Sisma Y SLV	0	257.8	0	0	840	0.768
16721	9981	Sisma X SLO	137.4	0	0	0	840	0.768	16722	9981	Sisma Y SLO	0	137.4	0	0	840	0.768
16723	9981	Sisma X SLD	114.1	0	0	0	840	0.768	16724	9981	Sisma Y SLD	0	114.1	0	0	840	0.768
16725	9982	Sisma X SLV	567.9	0	0	0	1.9E3	0.768	16726	9982	Sisma Y SLV	0	567.9	0	0	1.9E3	0.768
16727	9982	Sisma X SLO	302.8	0	0	0	1.9E3	0.768	16728	9982	Sisma Y SLO	0	302.8	0	0	1.9E3	0.768
16729	9982	Sisma X SLD	251.3	0	0	0	1.9E3	0.768	16730	9982	Sisma Y SLD	0	251.3	0	0	1.9E3	0.768
16731	9983	Sisma X SLV	742.2	0	0	0	2.4E3	0.768	16732	9983	Sisma Y SLV	0	742.2	0	0	2.4E3	0.768
16733	9983	Sisma X SLO	395.7	0	0	0	2.4E3	0.768	16734	9983	Sisma Y SLO	0	395.7	0	0	2.4E3	0.768
16735	9983	Sisma X SLD	328.4	0	0	0	2.4E3	0.768	16736	9983	Sisma Y SLD	0	328.4	0	0	2.4E3	0.768
16737	9984	Sisma X SLV	405	0	0	0	1.3E3	0.768	16738	9984	Sisma Y SLV	0	405	0	0	1.3E3	0.768
16739	9984	Sisma X SLO	215.9	0	0	0	1.3E3	0.768	16740	9984	Sisma Y SLO	0	215.9	0	0	1.3E3	0.768
16741	9984	Sisma X SLD	179.2	0	0	0	1.3E3	0.768	16742	9984	Sisma Y SLD	0	179.2	0	0	1.3E3	0.768
16743	9985	Sisma X SLV	257.8	0	0	0	840	0.768	16744	9985	Sisma Y SLV	0	257.8	0	0	840	0.768
16745	9985	Sisma X SLO	137.4	0	0	0	840	0.768	16746	9985	Sisma Y SLO	0	137.4	0	0	840	0.768
16747	9985	Sisma X SLD	114.1	0	0	0	840	0.768	16748	9985	Sisma Y SLD	0	114.1	0	0	840	0.768
16749	9986	Sisma X SLV	257.8	0	0	0	840	0.768	16750	9986	Sisma Y SLV	0	257.8	0	0	840	0.768
16751	9986	Sisma X SLO	137.4	0	0	0	840	0.768	16752	9986	Sisma Y SLO	0	137.4	0	0	840	0.768
16753	9986	Sisma X SLD	114.1	0	0	0	840	0.768	16754	9986	Sisma Y SLD	0	114.1	0	0	840	0.768
16755	9987	Sisma X SLV	257.8	0	0	0	840	0.768	16756	9987	Sisma Y SLV	0	257.8	0	0	840	0.768
16757	9987	Sisma X SLO	137.4	0	0	0	840	0.768	16758	9987	Sisma Y SLO	0	137.4	0	0	840	0.768
16759	9987	Sisma X SLD	114.1	0	0	0	840	0.768	16760	9987	Sisma Y SLD	0	114.1	0	0	840	0.768
16761	9988	Sisma X SLV	257.8	0	0	0	840	0.768	16762	9988	Sisma Y SLV	0	257.8	0	0	840	0.768
16763	9988	Sisma X SLO	137.4	0	0	0	840	0.768	16764	9988	Sisma Y SLO	0	137.4	0	0	840	0.768
16765	9988	Sisma X SLD	114.1	0	0	0	840	0.768	16766	9988	Sisma Y SLD	0	114.1	0	0	840	0.768
16767	9989	Sisma X SLV	257.8	0	0	0	840	0.768	16768	9989	Sisma Y SLV	0	257.8	0	0	840	0.768
16769	9989	Sisma X SLO	137.4	0	0	0	840	0.768	16770	9989	Sisma Y SLO	0	137.4	0	0	840	0.768
16771	9989	Sisma X SLD	114.1	0	0	0	840	0.768	16772	9989	Sisma Y SLD	0	114.1	0	0	840	0.768
16773	9990	Sisma X SLV	257.8	0	0	0	840	0.768	16774	9990	Sisma Y SLV	0	257.8	0	0	840	0.768
16775	9990	Sisma X SLO	137.4	0	0	0	840	0.768	16776	9990	Sisma Y SLO	0	137.4	0	0	840	0.768
16777	9990	Sisma X SLD	114.1	0	0	0	840	0.768	16778	9990	Sisma Y SLD	0	114.1	0	0	840	0.768
16779	9991	Sisma X SLV	257.8	0	0	0	840	0.768	16780	9991	Sisma Y SLV	0	257.8	0	0	840	0.768
16781	9991	Sisma X SLO	137.4	0	0	0	840	0.768	16782	9991	Sisma Y SLO	0	137.4	0	0	840	0.768
16783	9991	Sisma X SLD	114.1	0	0	0	840	0.768	16784	9991	Sisma Y SLD	0	114.1	0	0	840	0.768
16785	9992	Sisma X SLV	30.4	0	0	0	9.9E1	0.768	16786	9992	Sisma Y SLV	0	30.4	0	0	9.9E1	0.768
16787	9992	Sisma X SLO	16.2	0	0	0	9.9E1	0.768	16788	9992	Sisma Y SLO	0	16.2	0	0	9.9E1	0.768
16789	9992	Sisma X SLD	13.4	0	0	0	9.9E1	0.768	16790	9992	Sisma Y SLD	0	13.4	0	0	9.9E1	0.768
16791	9993	Sisma X SLV	334	0	0	0	1.1E3	0.768	16792	9993	Sisma Y SLV	0	334	0	0	1.1E3	0.768
16793	9993	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	16794	9993	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
16795	9993	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	16796	9993	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
16797	9994	Sisma X SLV	334	0	0	0	1.1E3	0.768	16798	9994	Sisma Y SLV	0	334	0	0	1.1E3	0.768
16799	9994	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	16800	9994	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
16801	9994	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	16802	9994	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
16803	9995	Sisma X SLV	334	0	0	0	1.1E3	0.768	16804	9995	Sisma Y SLV	0	334	0	0	1.1E3	0.768
16805	9995	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	16806	9995	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
16807	9995	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	16808	9995	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
16809	9996	Sisma X SLV	2.1E3	0	0	0	6.8E3	0.768	16810	9996	Sisma Y SLV	0	2.1E3	0	0	6.8E3	0.768
16811	9996	Sisma X SLO	1.1E3	0	0	0	6.8E3	0.768	16812	9996	Sisma Y SLO	0	1.1E3	0	0	6.8E3	0.768
16813	9996	Sisma X SLD	925	0	0	0	6.8E3	0.768	16814	9996	Sisma Y SLD	0	925	0	0	6.8E3	0.768
16815	9997	Sisma X SLV	3.6E3	0	0	0	1.2E4	0.768	16816	9997	Sisma Y SLV	0	3.6E3	0	0	1.2E4	0.768
16817	9997	Sisma X SLO	1.9E3	0	0	0	1.2E4	0.768	16818	9997	Sisma Y SLO	0	1.9E3	0	0	1.2E4	0.768
16819	9997	Sisma X SLD	1615	0	0	0	1.2E4	0.768	16820	9997	Sisma Y SLD	0	1615	0	0	1.2E4	0.768
16821	9998	Sisma X SLV	2.9E3	0	0	0	9.6E3	0.768	16822	9998	Sisma Y SLV	0	2.9E3	0	0	9.6E3	0.768
16823	9998	Sisma X SLO	1.6E3	0	0	0	9.6E3	0.768	16824	9998	Sisma Y SLO	0	1.6E3	0	0	9.6E3	0.768
16825	9998	Sisma X SLD	1.3E3	0	0	0	9.6E3	0.768	16826	9998	Sisma Y SLD	0	1.3E3	0	0	9.6E3	0.768
16827	9999	Sisma X SLV	2.7E3	0	0	0	8.9E3	0.768	16828	9999	Sisma Y SLV	0	2.7E3	0	0	8.9E3	0.768
16829	9999	Sisma X SLO	1.5E3	0	0	0	8.9E3	0.768	16830	9999	Sisma Y SLO	0	1.5E3	0	0	8.9E3	0.768
16831	9999	Sisma X SLD	1.2E3	0	0	0	8.9E3	0.768	16832	9999	Sisma Y SLD	0	1.2E3	0	0	8.9E3	0.768
16833	10000	Sisma X SLV	334	0	0	0	1.1E3	0.768	16834	10000	Sisma Y SLV	0	334	0	0	1.1E3	0.768
16835	10000	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	16836	10000	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
16837	10000	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	16838	10000	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
16839	10001	Sisma X SLV	334	0	0	0	1.1E3	0.768	16840	10001	Sisma Y SLV	0	334	0	0	1.1E3	0.768
16841	10001	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	16842	10001	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
16843	10001	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	16844	10001	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
16845	10002	Sisma X SLV	334	0	0	0	1.1E3	0.768	16846	10002	Sisma Y SLV	0	334	0	0	1.1E3	0.768
16847	10002	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	16848	10002	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
16849	10002	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	16850	10002	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
16851	10003	Sisma X SLV	334	0	0	0	1.1E3	0.768	16852	10003	Sisma Y SLV	0	334	0	0	1.1E3	0.768
16853	10003	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	16854	10003	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
16855	10003	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	16856	10003	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
16857	10004	Sisma X SLV	334	0	0	0	1.1E3	0.768	16858	10004	Sisma Y SLV	0	334	0	0	1.1E3	0.768
16859	10004	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	16860	10004	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
16861	10004	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	16862	10004	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
16863	10005	Sisma X SLV	334	0	0	0	1.1E3	0.768	16864	10005	Sisma Y SLV	0	334	0	0	1.1E3	0.768
16865	10005	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	16866	10005	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
16867	10005	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	16868	10005	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
16869	10006	Sisma X SLV	515.5	0	0	0	1680	0.768	16870	10006	Sisma Y SLV	0	515.5	0	0	1680	0.768
16871	10006	Sisma X SLO	274.8	0	0	0	1680	0.768	16872	10006	Sisma Y SLO	0	274.8	0	0	1680	0.768
16873	10006	Sisma X SLD	228.1	0	0	0	1680	0.768	16874	10006	Sisma Y SLD	0	228.1	0	0	1680	0.768
16875	10007	Sisma X SLV	193.3	0	0	0	630	0.768	16876	10007	Sisma Y SLV	0	193.3	0	0	630	0.768
16877	10007	Sisma X SLO	103.1	0	0	0	630	0.768	16878	10007	Sisma Y SLO	0	103.1	0	0	630	0.768
16879	10007	Sisma X SLD	85.5	0	0	0	630	0.768	16880	10007	Sisma Y SLD	0	85.5	0	0	630	0.768
16881	10008	Sisma X SLV	247.6	0	0	0	8.1E2	0.768	16882	10008	Sisma Y SLV	0	247.6	0	0	8.1E2	0.768
16883	10008	Sisma X SLO	132	0	0	0	8.1E2	0.768	16884	10008	Sisma Y SLO	0	132	0	0	8.1E2	0.768
16885	10008	Sisma X SLD	109.6	0	0	0	8.1E2	0.768	16886	10008	Sisma Y SLD	0	109.6	0	0	8.1E2	0.768
16887	10009	Sisma X SLV	247.6	0	0	0	8.1E2	0.768	16888	10009	Sisma Y SLV	0	247.6	0	0	8.1E2	0.768
16889	10009	Sisma X SLO	132	0	0	0	8.1E2	0.768	16890	10009	Sisma Y SLO	0	132	0	0	8.1E2	0.768
16891	10009	Sisma X SLD	109.6	0	0	0	8.1E2	0.768	16892	10009	Sisma Y SLD	0	109.6	0	0	8.1E2	0.768
16893	10010	Sisma X SLV	1.8E3	0	0	0	5.9E3	0.768	16894	10010	Sisma Y SLV	0	1.8E3	0	0	5.9E3	0.768
16895	10010	Sisma X SLO	961	0	0	0	5.9E3	0.768	16896	10010	Sisma Y SLO	0	961	0	0	5.9E3	0.768
16897	10010	Sisma X SLD	797.7	0	0	0	5.9E3	0.768	16898	10010	Sisma Y SLD	0	797.7	0	0	5.9E3	0.768
16899	10011	Sisma X SLV	3.0E3	0	0	0	9.7E3	0.768	16900	10011	Sisma Y SLV	0	3.0E3	0	0	9.7E3	0.768
16901	10011	Sisma X SLO	1.6E3	0	0	0	9.7E3	0.768	16902	10011	Sisma Y SLO	0	1.6E3	0	0	9.7E3	0.768
16903	10011	Sisma X SLD	1.3E3	0	0	0	9.7E3	0.768	16904	10011	Sisma Y SLD	0	1.3E3	0	0	9.7E3	0.768
16905	10012	Sisma X SLV	247.6	0	0	0	8.1E2	0.768	16906	10012	Sisma Y SLV	0	247.6	0	0	8.1E2	0.768
16907	10012	Sisma X SLO	132	0	0	0	8.1E2	0.768	16908	10012	Sisma Y SLO	0	132	0	0	8.1E2	0.768
16909	10012	Sisma X SLD	109.6	0	0	0	8.1E2	0.768	16910	10012	Sisma Y SLD	0	109.6	0	0	8.1E2	0.768
16911	10013	Sisma X SLV	492.4	0	0	0	1.6E3	0.768	16912	10013	Sisma Y SLV	0	492.4	0	0	1.6E3	0.768

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
16913	10013	Sisma X SLO	262.5	0	0	0	1.6E3	0.768	16914	10013	Sisma Y SLO	0	262.5	0	0	1.6E3	0.768
16915	10013	Sisma X SLD	217.9	0	0	0	1.6E3	0.768	16916	10013	Sisma Y SLD	0	217.9	0	0	1.6E3	0.768
16917	10014	Sisma X SLV	494.1	0	0	0	1.6E3	0.768	16918	10014	Sisma Y SLV	0	494.1	0	0	1.6E3	0.768
16919	10014	Sisma X SLO	263.4	0	0	0	1.6E3	0.768	16920	10014	Sisma Y SLO	0	263.4	0	0	1.6E3	0.768
16921	10014	Sisma X SLD	218.6	0	0	0	1.6E3	0.768	16922	10014	Sisma Y SLD	0	218.6	0	0	1.6E3	0.768
16923	10015	Sisma X SLV	1.0E3	0	0	0	3.3E3	0.768	16924	10015	Sisma Y SLV	0	1.0E3	0	0	3.3E3	0.768
16925	10015	Sisma X SLO	538.1	0	0	0	3.3E3	0.768	16926	10015	Sisma Y SLO	0	538.1	0	0	3.3E3	0.768
16927	10015	Sisma X SLD	446.7	0	0	0	3.3E3	0.768	16928	10015	Sisma Y SLD	0	446.7	0	0	3.3E3	0.768
16929	10016	Sisma X SLV	566.1	0	0	0	1.8E3	0.768	16930	10016	Sisma Y SLV	0	566.1	0	0	1.8E3	0.768
16931	10016	Sisma X SLO	301.8	0	0	0	1.8E3	0.768	16932	10016	Sisma Y SLO	0	301.8	0	0	1.8E3	0.768
16933	10016	Sisma X SLD	250.5	0	0	0	1.8E3	0.768	16934	10016	Sisma Y SLD	0	250.5	0	0	1.8E3	0.768
16935	10017	Sisma X SLV	571.9	0	0	0	1.9E3	0.768	16936	10017	Sisma Y SLV	0	571.9	0	0	1.9E3	0.768
16937	10017	Sisma X SLO	304.9	0	0	0	1.9E3	0.768	16938	10017	Sisma Y SLO	0	304.9	0	0	1.9E3	0.768
16939	10017	Sisma X SLD	253.1	0	0	0	1.9E3	0.768	16940	10017	Sisma Y SLD	0	253.1	0	0	1.9E3	0.768
16941	10018	Sisma X SLV	247.6	0	0	0	8.1E2	0.768	16942	10018	Sisma Y SLV	0	247.6	0	0	8.1E2	0.768
16943	10018	Sisma X SLO	132	0	0	0	8.1E2	0.768	16944	10018	Sisma Y SLO	0	132	0	0	8.1E2	0.768
16945	10018	Sisma X SLD	109.6	0	0	0	8.1E2	0.768	16946	10018	Sisma Y SLD	0	109.6	0	0	8.1E2	0.768
16947	10019	Sisma X SLV	247.5	0	0	0	8.1E2	0.768	16948	10019	Sisma Y SLV	0	247.5	0	0	8.1E2	0.768
16949	10019	Sisma X SLO	132	0	0	0	8.1E2	0.768	16950	10019	Sisma Y SLO	0	132	0	0	8.1E2	0.768
16951	10019	Sisma X SLD	109.5	0	0	0	8.1E2	0.768	16952	10019	Sisma Y SLD	0	109.5	0	0	8.1E2	0.768
16953	10020	Sisma X SLV	247.4	0	0	0	8.1E2	0.768	16954	10020	Sisma Y SLV	0	247.4	0	0	8.1E2	0.768
16955	10020	Sisma X SLO	131.9	0	0	0	8.1E2	0.768	16956	10020	Sisma Y SLO	0	131.9	0	0	8.1E2	0.768
16957	10020	Sisma X SLD	109.5	0	0	0	8.1E2	0.768	16958	10020	Sisma Y SLD	0	109.5	0	0	8.1E2	0.768
16959	10021	Sisma X SLV	257.8	0	0	0	840	0.768	16960	10021	Sisma Y SLV	0	257.8	0	0	840	0.768
16961	10021	Sisma X SLO	137.4	0	0	0	840	0.768	16962	10021	Sisma Y SLO	0	137.4	0	0	840	0.768
16963	10021	Sisma X SLD	114.1	0	0	0	840	0.768	16964	10021	Sisma Y SLD	0	114.1	0	0	840	0.768
16965	10022	Sisma X SLV	257.8	0	0	0	840	0.768	16966	10022	Sisma Y SLV	0	257.8	0	0	840	0.768
16967	10022	Sisma X SLO	137.4	0	0	0	840	0.768	16968	10022	Sisma Y SLO	0	137.4	0	0	840	0.768
16969	10022	Sisma X SLD	114.1	0	0	0	840	0.768	16970	10022	Sisma Y SLD	0	114.1	0	0	840	0.768
16971	10023	Sisma X SLV	257.8	0	0	0	840	0.768	16972	10023	Sisma Y SLV	0	257.8	0	0	840	0.768
16973	10023	Sisma X SLO	137.4	0	0	0	840	0.768	16974	10023	Sisma Y SLO	0	137.4	0	0	840	0.768
16975	10023	Sisma X SLD	114.1	0	0	0	840	0.768	16976	10023	Sisma Y SLD	0	114.1	0	0	840	0.768
16977	10024	Sisma X SLV	257.8	0	0	0	840	0.768	16978	10024	Sisma Y SLV	0	257.8	0	0	840	0.768
16979	10024	Sisma X SLO	137.4	0	0	0	840	0.768	16980	10024	Sisma Y SLO	0	137.4	0	0	840	0.768
16981	10024	Sisma X SLD	114.1	0	0	0	840	0.768	16982	10024	Sisma Y SLD	0	114.1	0	0	840	0.768
16983	10025	Sisma X SLV	257.8	0	0	0	840	0.768	16984	10025	Sisma Y SLV	0	257.8	0	0	840	0.768
16985	10025	Sisma X SLO	137.4	0	0	0	840	0.768	16986	10025	Sisma Y SLO	0	137.4	0	0	840	0.768
16987	10025	Sisma X SLD	114.1	0	0	0	840	0.768	16988	10025	Sisma Y SLD	0	114.1	0	0	840	0.768
16989	10026	Sisma X SLV	257.8	0	0	0	840	0.768	16990	10026	Sisma Y SLV	0	257.8	0	0	840	0.768
16991	10026	Sisma X SLO	137.4	0	0	0	840	0.768	16992	10026	Sisma Y SLO	0	137.4	0	0	840	0.768
16993	10026	Sisma X SLD	114.1	0	0	0	840	0.768	16994	10026	Sisma Y SLD	0	114.1	0	0	840	0.768
16995	10027	Sisma X SLV	3.1E3	0	0	0	1.0E4	0.768	16996	10027	Sisma Y SLV	0	3.1E3	0	0	1.0E4	0.768
16997	10027	Sisma X SLO	1.7E3	0	0	0	1.0E4	0.768	16998	10027	Sisma Y SLO	0	1.7E3	0	0	1.0E4	0.768
16999	10027	Sisma X SLD	1.4E3	0	0	0	1.0E4	0.768	17000	10027	Sisma Y SLD	0	1.4E3	0	0	1.0E4	0.768
17001	10028	Sisma X SLV	5.3E3	0	0	0	1.7E4	0.768	17002	10028	Sisma Y SLV	0	5.3E3	0	0	1.7E4	0.768
17003	10028	Sisma X SLO	2.8E3	0	0	0	1.7E4	0.768	17004	10028	Sisma Y SLO	0	2.8E3	0	0	1.7E4	0.768
17005	10028	Sisma X SLD	2.4E3	0	0	0	1.7E4	0.768	17006	10028	Sisma Y SLD	0	2.4E3	0	0	1.7E4	0.768
17007	10029	Sisma X SLV	334	0	0	0	1.1E3	0.768	17008	10029	Sisma Y SLV	0	334	0	0	1.1E3	0.768
17009	10029	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	17010	10029	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
17011	10029	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	17012	10029	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
17013	10030	Sisma X SLV	1.3E3	0	0	0	4.2E3	0.768	17014	10030	Sisma Y SLV	0	1.3E3	0	0	4.2E3	0.768
17015	10030	Sisma X SLO	685.7	0	0	0	4.2E3	0.768	17016	10030	Sisma Y SLO	0	685.7	0	0	4.2E3	0.768
17017	10030	Sisma X SLD	569.2	0	0	0	4.2E3	0.768	17018	10030	Sisma Y SLD	0	569.2	0	0	4.2E3	0.768
17019	10031	Sisma X SLV	2.1E3	0	0	0	6.8E3	0.768	17020	10031	Sisma Y SLV	0	2.1E3	0	0	6.8E3	0.768
17021	10031	Sisma X SLO	1.1E3	0	0	0	6.8E3	0.768	17022	10031	Sisma Y SLO	0	1.1E3	0	0	6.8E3	0.768
17023	10031	Sisma X SLD	925	0	0	0	6.8E3	0.768	17024	10031	Sisma Y SLD	0	925	0	0	6.8E3	0.768
17025	10032	Sisma X SLV	2.2E3	0	0	0	7.1E3	0.768	17026	10032	Sisma Y SLV	0	2.2E3	0	0	7.1E3	0.768
17027	10032	Sisma X SLO	1.2E3	0	0	0	7.1E3	0.768	17028	10032	Sisma Y SLO	0	1.2E3	0	0	7.1E3	0.768
17029	10032	Sisma X SLD	970	0	0	0	7.1E3	0.768	17030	10032	Sisma Y SLD	0	970	0	0	7.1E3	0.768
17031	10033	Sisma X SLV	3.9E3	0	0	0	1.3E4	0.768	17032	10033	Sisma Y SLV	0	3.9E3	0	0	1.3E4	0.768
17033	10033	Sisma X SLO	2.1E3	0	0	0	1.3E4	0.768	17034	10033	Sisma Y SLO	0	2.1E3	0	0	1.3E4	0.768
17035	10033	Sisma X SLD	1.7E3	0	0	0	1.3E4	0.768	17036	10033	Sisma Y SLD	0	1.7E3	0	0	1.3E4	0.768
17037	10034	Sisma X SLV	4490	0	0	0	1.5E4	0.768	17038	10034	Sisma Y SLV	0	4490	0	0	1.5E4	0.768
17039	10034	Sisma X SLO	2.4E3	0	0	0	1.5E4	0.768	17040	10034	Sisma Y SLO	0	2.4E3	0	0	1.5E4	0.768
17041	10034	Sisma X SLD	1987	0	0	0	1.5E4	0.768	17042	10034	Sisma Y SLD	0	1987	0	0	1.5E4	0.768
17043	10035	Sisma X SLV	234.6	0	0	0	7.6E2	0.768	17044	10035	Sisma Y SLV	0	234.6	0	0	7.6E2	0.768
17045	10035	Sisma X SLO	125.1	0	0	0	7.6E2	0.768	17046	10035	Sisma Y SLO	0	125.1	0	0	7.6E2	0.768
17047	10035	Sisma X SLD	103.8	0	0	0	7.6E2	0.768	17048	10035	Sisma Y SLD	0	103.8	0	0	7.6E2	0.768
17049	10036	Sisma X SLV	3.6E3	0	0	0	1.2E4	0.768	17050	10036	Sisma Y SLV	0	3.6E3	0	0	1.2E4	0.768
17051	10036	Sisma X SLO	1.9E3	0	0	0	1.2E4	0.768	17052	10036	Sisma Y SLO	0	1.9E3	0	0	1.2E4	0.768
17053	10036	Sisma X SLD	1.6E3	0	0	0	1.2E4	0.768	17054	10036	Sisma Y SLD	0	1.6E3	0	0	1.2E4	0.768
17055	10037	Sisma X SLV	789.3	0	0	0	2.6E3	0.768	17056	10037	Sisma Y SLV	0	789.3	0	0	2.6E3	0.768
17057	10037	Sisma X SLO	420.8	0	0	0	2.6E3	0.768	17058	10037	Sisma Y SLO	0	420.8	0	0	2.6E3	0.768
17059	10037	Sisma X SLD	349.3	0	0	0	2.6E3	0.768	17060	10037	Sisma Y SLD	0	349.3	0	0	2.6E3	0.768
17061	10038	Sisma X SLV	197.9	0	0	0	645	0.768	17062	10038	Sisma Y SLV	0	197.9	0	0	645	0.768
17063	10038	Sisma X SLO	105.5	0	0	0	645	0.768	17064	10038	Sisma Y SLO	0	105.5	0	0	645	0.768
17065	10038	Sisma X SLD	87.6	0	0	0	645	0.768	17066	10038	Sisma Y SLD	0	87.6	0	0	645	0.768
17067	10039	Sisma X SLV	152.5	0	0	0	5.0E2	0.768	17068	10039	Sisma Y SLV	0	152.5	0	0	5.0E2	0.768
17069	10039	Sisma X SLO	81.3	0	0	0	5.0E2	0.768	17070	10039	Sisma Y SLO	0	81.3	0	0	5.0E2	0.768
17071	10039	Sisma X SLD	67.5	0	0	0	5.0E2	0.768	17072	10039	Sisma Y SLD	0	67.5	0	0	5.0E2	0.768
17073	10040	Sisma X SLV	152.5	0	0	0	5.0E2	0.768	17074	10040	Sisma Y SLV	0	152.5	0	0	5.0E2	0.768
17075	10040	Sisma X SLO	81.3	0	0	0	5.0E2	0.768	17076	10040	Sisma Y SLO	0	81.3	0	0	5.0E2	0.768
17077	10040	Sisma X SLD	67.5	0	0	0	5.0E2	0.768	17078	10040	Sisma Y SLD	0	67.5	0	0	5.0E2	0.768
17079	10042	Sisma X SLV	234.3	0	0	0	7.6E2	0.768	17080	10042	Sisma Y SLV	0	234.3	0	0	7.6E2	0.768
17081	10042	Sisma X SLO	124.9	0	0	0	7.6E2	0.768	17082	10042	Sisma Y SLO	0	124.9	0	0	7.6E2	0.768
17083	10042	Sisma X SLD	103.7	0	0	0	7.6E2	0.768	17084	10042	Sisma Y SLD	0	103.7	0	0	7.6E2	0.768
17085	10043	Sisma X SLV	6.5	0	0	0	2.1E1	0.768	17086	10043	Sisma Y SLV	0	6.5	0	0	2.1E1	0.768
17087	10043	Sisma X SLO	3.4	0	0	0	2.1E1	0.768	17088	10043	Sisma Y SLO	0	3.4	0	0	2.1E1	0.768
17089	10043	Sisma X SLD	2.9	0	0	0	2.1E1	0.768	17090	10043	Sisma Y SLD	0	2.9	0	0	2.1E1	0.768
17091	10044	Sisma X SLV	294.7	0	0	0	9.6E2	0.768	17092	10044	Sisma Y SLV	0	294.7	0	0	9.6E2	0.768
17093	10044	Sisma X SLO	157.1	0	0	0	9.6E2	0.768	17094	10044	Sisma Y SLO	0	157.1	0	0	9.6E2	0.768
17095	10044	Sisma X SLD	130.4	0	0	0	9.6E2	0.768	17096	10044	Sisma Y SLD	0	130.4	0	0	9.6E2	0.768
17097	10045	Sisma X SLV	12.9	0	0	0	4.2E1	0.768	17098	10045	Sisma Y SLV	0	12.9	0	0	4.2E1	0.768
17099	10045	Sisma X SLO	6.9	0	0	0	4.2E1	0.768	17100	10045	Sisma Y SLO	0	6.9	0	0	4.2E1	0.768
17101	10045	Sisma X SLD	5.7	0	0	0	4.2E1	0.768	17102	10045	Sisma Y SLD	0	5.7	0	0	4.2E1	0.768
17103	10047	Sisma X SLV	16	0	0	0	5.2E1	0.768	17104	10047	Sisma Y SLV	0	16	0	0	5.2E1	0.768
17105	10047	Sisma X SLO	8.5	0	0	0	5.2E1	0.768	17106	10047	Sisma Y SLO	0	8.5	0	0	5.2E1	0.768
17107	10047	Sisma X SLD	7.1	0	0	0	5.2E1	0.768	17108	10047	Sisma Y SLD	0	7.1	0	0	5.2E1	0.768
17109	10048	Sisma X SLV	19.1	0	0	0	6.2E1	0.768	17110	10048	Sisma Y SLV	0	19.1	0	0	6.2E1	0.768
17111	10048	Sisma X SLO	10.2	0	0	0	6.2E1	0.768	17112	10048	Sisma Y SLO	0	10.2	0	0	6.2E1	0.768

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
17113	10048	Sisma X SLD	8.4	0	0	0	6.2E1	0.768	17114	10048	Sisma Y SLD	0	8.4	0	0	6.2E1	0.768
17115	10049	Sisma X SLV	19.1	0	0	0	6.2E1	0.768	17116	10049	Sisma Y SLV	0	19.1	0	0	6.2E1	0.768
17117	10049	Sisma X SLO	10.2	0	0	0	6.2E1	0.768	17118	10049	Sisma Y SLO	0	10.2	0	0	6.2E1	0.768
17119	10049	Sisma X SLD	8.4	0	0	0	6.2E1	0.768	17120	10049	Sisma Y SLD	0	8.4	0	0	6.2E1	0.768
17121	10050	Sisma X SLV	19.1	0	0	0	6.2E1	0.768	17122	10050	Sisma Y SLV	0	19.1	0	0	6.2E1	0.768
17123	10050	Sisma X SLO	10.2	0	0	0	6.2E1	0.768	17124	10050	Sisma Y SLO	0	10.2	0	0	6.2E1	0.768
17125	10050	Sisma X SLD	8.4	0	0	0	6.2E1	0.768	17126	10050	Sisma Y SLD	0	8.4	0	0	6.2E1	0.768
17127	10051	Sisma X SLV	22.4	0	0	0	73.15	0.768	17128	10051	Sisma Y SLV	0	22.4	0	0	73.15	0.768
17129	10051	Sisma X SLO	12	0	0	0	73.15	0.768	17130	10051	Sisma Y SLO	0	12	0	0	73.15	0.768
17131	10051	Sisma X SLD	9.9	0	0	0	73.15	0.768	17132	10051	Sisma Y SLD	0	9.9	0	0	73.15	0.768
17133	10052	Sisma X SLV	117.6	0	0	0	3.8E2	0.768	17134	10052	Sisma Y SLV	0	117.6	0	0	3.8E2	0.768
17135	10052	Sisma X SLO	62.7	0	0	0	3.8E2	0.768	17136	10052	Sisma Y SLO	0	62.7	0	0	3.8E2	0.768
17137	10052	Sisma X SLD	52.1	0	0	0	3.8E2	0.768	17138	10052	Sisma Y SLD	0	52.1	0	0	3.8E2	0.768
17139	10053	Sisma X SLV	355.1	0	0	0	1.2E3	0.768	17140	10053	Sisma Y SLV	0	355.1	0	0	1.2E3	0.768
17141	10053	Sisma X SLO	189.3	0	0	0	1.2E3	0.768	17142	10053	Sisma Y SLO	0	189.3	0	0	1.2E3	0.768
17143	10053	Sisma X SLD	157.1	0	0	0	1.2E3	0.768	17144	10053	Sisma Y SLD	0	157.1	0	0	1.2E3	0.768
17145	10054	Sisma X SLV	211.2	0	0	0	6.9E2	0.768	17146	10054	Sisma Y SLV	0	211.2	0	0	6.9E2	0.768
17147	10054	Sisma X SLO	112.6	0	0	0	6.9E2	0.768	17148	10054	Sisma Y SLO	0	112.6	0	0	6.9E2	0.768
17149	10054	Sisma X SLD	93.4	0	0	0	6.9E2	0.768	17150	10054	Sisma Y SLD	0	93.4	0	0	6.9E2	0.768
17151	10055	Sisma X SLV	257.8	0	0	0	840	0.768	17152	10055	Sisma Y SLV	0	257.8	0	0	840	0.768
17153	10055	Sisma X SLO	137.4	0	0	0	840	0.768	17154	10055	Sisma Y SLO	0	137.4	0	0	840	0.768
17155	10055	Sisma X SLD	114.1	0	0	0	840	0.768	17156	10055	Sisma Y SLD	0	114.1	0	0	840	0.768
17157	10056	Sisma X SLV	257.8	0	0	0	840	0.768	17158	10056	Sisma Y SLV	0	257.8	0	0	840	0.768
17159	10056	Sisma X SLO	137.4	0	0	0	840	0.768	17160	10056	Sisma Y SLO	0	137.4	0	0	840	0.768
17161	10056	Sisma X SLD	114.1	0	0	0	840	0.768	17162	10056	Sisma Y SLD	0	114.1	0	0	840	0.768
17163	10057	Sisma X SLV	257.8	0	0	0	840	0.768	17164	10057	Sisma Y SLV	0	257.8	0	0	840	0.768
17165	10057	Sisma X SLO	137.4	0	0	0	840	0.768	17166	10057	Sisma Y SLO	0	137.4	0	0	840	0.768
17167	10057	Sisma X SLD	114.1	0	0	0	840	0.768	17168	10057	Sisma Y SLD	0	114.1	0	0	840	0.768
17169	10058	Sisma X SLV	257.8	0	0	0	840	0.768	17170	10058	Sisma Y SLV	0	257.8	0	0	840	0.768
17171	10058	Sisma X SLO	137.4	0	0	0	840	0.768	17172	10058	Sisma Y SLO	0	137.4	0	0	840	0.768
17173	10058	Sisma X SLD	114.1	0	0	0	840	0.768	17174	10058	Sisma Y SLD	0	114.1	0	0	840	0.768
17175	10059	Sisma X SLV	3.7E3	0	0	0	1.2E4	0.768	17176	10059	Sisma Y SLV	0	3.7E3	0	0	1.2E4	0.768
17177	10059	Sisma X SLO	2.0E3	0	0	0	1.2E4	0.768	17178	10059	Sisma Y SLO	0	2.0E3	0	0	1.2E4	0.768
17179	10059	Sisma X SLD	1622	0	0	0	1.2E4	0.768	17180	10059	Sisma Y SLD	0	1622	0	0	1.2E4	0.768
17181	10060	Sisma X SLV	4.3E3	0	0	0	1.4E4	0.768	17182	10060	Sisma Y SLV	0	4.3E3	0	0	1.4E4	0.768
17183	10060	Sisma X SLO	2.3E3	0	0	0	1.4E4	0.768	17184	10060	Sisma Y SLO	0	2.3E3	0	0	1.4E4	0.768
17185	10060	Sisma X SLD	1.9E3	0	0	0	1.4E4	0.768	17186	10060	Sisma Y SLD	0	1.9E3	0	0	1.4E4	0.768
17187	10061	Sisma X SLV	5.2E3	0	0	0	1.7E4	0.768	17188	10061	Sisma Y SLV	0	5.2E3	0	0	1.7E4	0.768
17189	10061	Sisma X SLO	2.8E3	0	0	0	1.7E4	0.768	17190	10061	Sisma Y SLO	0	2.8E3	0	0	1.7E4	0.768
17191	10061	Sisma X SLD	2283	0	0	0	1.7E4	0.768	17192	10061	Sisma Y SLD	0	2283	0	0	1.7E4	0.768
17193	10062	Sisma X SLV	5.3E3	0	0	0	1.7E4	0.768	17194	10062	Sisma Y SLV	0	5.3E3	0	0	1.7E4	0.768
17195	10062	Sisma X SLO	2.8E3	0	0	0	1.7E4	0.768	17196	10062	Sisma Y SLO	0	2.8E3	0	0	1.7E4	0.768
17197	10062	Sisma X SLD	2.3E3	0	0	0	1.7E4	0.768	17198	10062	Sisma Y SLD	0	2.3E3	0	0	1.7E4	0.768
17199	10063	Sisma X SLV	334	0	0	0	1.1E3	0.768	17200	10063	Sisma Y SLV	0	334	0	0	1.1E3	0.768
17201	10063	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	17202	10063	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
17203	10063	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	17204	10063	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
17205	10064	Sisma X SLV	1.5E3	0	0	0	4.7E3	0.768	17206	10064	Sisma Y SLV	0	1.5E3	0	0	4.7E3	0.768
17207	10064	Sisma X SLO	774.4	0	0	0	4.7E3	0.768	17208	10064	Sisma Y SLO	0	774.4	0	0	4.7E3	0.768
17209	10064	Sisma X SLD	642.8	0	0	0	4.7E3	0.768	17210	10064	Sisma Y SLD	0	642.8	0	0	4.7E3	0.768
17211	10065	Sisma X SLV	212.5	0	0	0	6.9E2	0.768	17212	10065	Sisma Y SLV	0	212.5	0	0	6.9E2	0.768
17213	10065	Sisma X SLO	113.3	0	0	0	6.9E2	0.768	17214	10065	Sisma Y SLO	0	113.3	0	0	6.9E2	0.768
17215	10065	Sisma X SLD	94	0	0	0	6.9E2	0.768	17216	10065	Sisma Y SLD	0	94	0	0	6.9E2	0.768
17217	10066	Sisma X SLV	460.5	0	0	0	1.5E3	0.768	17218	10066	Sisma Y SLV	0	460.5	0	0	1.5E3	0.768
17219	10066	Sisma X SLO	245.5	0	0	0	1.5E3	0.768	17220	10066	Sisma Y SLO	0	245.5	0	0	1.5E3	0.768
17221	10066	Sisma X SLD	203.8	0	0	0	1.5E3	0.768	17222	10066	Sisma Y SLD	0	203.8	0	0	1.5E3	0.768
17223	10067	Sisma X SLV	213	0	0	0	6.9E2	0.768	17224	10067	Sisma Y SLV	0	213	0	0	6.9E2	0.768
17225	10067	Sisma X SLO	113.6	0	0	0	6.9E2	0.768	17226	10067	Sisma Y SLO	0	113.6	0	0	6.9E2	0.768
17227	10067	Sisma X SLD	94.3	0	0	0	6.9E2	0.768	17228	10067	Sisma Y SLD	0	94.3	0	0	6.9E2	0.768
17229	10068	Sisma X SLV	460.9	0	0	0	1.5E3	0.768	17230	10068	Sisma Y SLV	0	460.9	0	0	1.5E3	0.768
17231	10068	Sisma X SLO	245.7	0	0	0	1.5E3	0.768	17232	10068	Sisma Y SLO	0	245.7	0	0	1.5E3	0.768
17233	10068	Sisma X SLD	204	0	0	0	1.5E3	0.768	17234	10068	Sisma Y SLD	0	204	0	0	1.5E3	0.768
17235	10069	Sisma X SLV	213.2	0	0	0	6.9E2	0.768	17236	10069	Sisma Y SLV	0	213.2	0	0	6.9E2	0.768
17237	10069	Sisma X SLO	113.7	0	0	0	6.9E2	0.768	17238	10069	Sisma Y SLO	0	113.7	0	0	6.9E2	0.768
17239	10069	Sisma X SLD	94.4	0	0	0	6.9E2	0.768	17240	10069	Sisma Y SLD	0	94.4	0	0	6.9E2	0.768
17241	10070	Sisma X SLV	461	0	0	0	1.5E3	0.768	17242	10070	Sisma Y SLV	0	461	0	0	1.5E3	0.768
17243	10070	Sisma X SLO	245.8	0	0	0	1.5E3	0.768	17244	10070	Sisma Y SLO	0	245.8	0	0	1.5E3	0.768
17245	10070	Sisma X SLD	204	0	0	0	1.5E3	0.768	17246	10070	Sisma Y SLD	0	204	0	0	1.5E3	0.768
17247	10071	Sisma X SLV	213.4	0	0	0	7.0E2	0.768	17248	10071	Sisma Y SLV	0	213.4	0	0	7.0E2	0.768
17249	10071	Sisma X SLO	113.8	0	0	0	7.0E2	0.768	17250	10071	Sisma Y SLO	0	113.8	0	0	7.0E2	0.768
17251	10071	Sisma X SLD	94.4	0	0	0	7.0E2	0.768	17252	10071	Sisma Y SLD	0	94.4	0	0	7.0E2	0.768
17253	10072	Sisma X SLV	460.9	0	0	0	1.5E3	0.768	17254	10072	Sisma Y SLV	0	460.9	0	0	1.5E3	0.768
17255	10072	Sisma X SLO	245.7	0	0	0	1.5E3	0.768	17256	10072	Sisma Y SLO	0	245.7	0	0	1.5E3	0.768
17257	10072	Sisma X SLD	204	0	0	0	1.5E3	0.768	17258	10072	Sisma Y SLD	0	204	0	0	1.5E3	0.768
17259	10073	Sisma X SLV	213.5	0	0	0	7.0E2	0.768	17260	10073	Sisma Y SLV	0	213.5	0	0	7.0E2	0.768
17261	10073	Sisma X SLO	113.8	0	0	0	7.0E2	0.768	17262	10073	Sisma Y SLO	0	113.8	0	0	7.0E2	0.768
17263	10073	Sisma X SLD	94.5	0	0	0	7.0E2	0.768	17264	10073	Sisma Y SLD	0	94.5	0	0	7.0E2	0.768
17265	10074	Sisma X SLV	460.5	0	0	0	1.5E3	0.768	17266	10074	Sisma Y SLV	0	460.5	0	0	1.5E3	0.768
17267	10074	Sisma X SLO	245.5	0	0	0	1.5E3	0.768	17268	10074	Sisma Y SLO	0	245.5	0	0	1.5E3	0.768
17269	10074	Sisma X SLD	203.8	0	0	0	1.5E3	0.768	17270	10074	Sisma Y SLD	0	203.8	0	0	1.5E3	0.768
17271	10075	Sisma X SLV	213.7	0	0	0	7.0E2	0.768	17272	10075	Sisma Y SLV	0	213.7	0	0	7.0E2	0.768
17273	10075	Sisma X SLO	113.9	0	0	0	7.0E2	0.768	17274	10075	Sisma Y SLO	0	113.9	0	0	7.0E2	0.768
17275	10075	Sisma X SLD	94.6	0	0	0	7.0E2	0.768	17276	10075	Sisma Y SLD	0	94.6	0	0	7.0E2	0.768
17277	10076	Sisma X SLV	257.8	0	0	0	840	0.768	17278	10076	Sisma Y SLV	0	257.8	0	0	840	0.768
17279	10076	Sisma X SLO	137.4	0	0	0	840	0.768	17280	10076	Sisma Y SLO	0	137.4	0	0	840	0.768
17281	10076	Sisma X SLD	114.1	0	0	0	840	0.768	17282	10076	Sisma Y SLD	0	114.1	0	0	840	0.768
17283	10077	Sisma X SLV	257.8	0	0	0	840	0.768	17284	10077	Sisma Y SLV	0	257.8	0	0	840	0.768
17285	10077	Sisma X SLO	137.4	0	0	0	840	0.768	17286	10077	Sisma Y SLO	0	137.4	0	0	840	0.768
17287	10077	Sisma X SLD	114.1	0	0	0	840	0.768	17288	10077	Sisma Y SLD	0	114.1	0	0	840	0.768
17289	10078	Sisma X SLV	257.8	0	0	0	840	0.768	17290	10078	Sisma Y SLV	0	257.8	0	0	840	0.768
17291	10078	Sisma X SLO	137.4	0	0	0	840	0.768	17292	10078	Sisma Y SLO	0	137.4	0	0	840	0.768
17293	10078	Sisma X SLD	114.1	0	0	0	840	0.768	17294	10078	Sisma Y SLD	0	114.1	0	0	840	0.768
17295	10079	Sisma X SLV	257.8	0	0	0	840	0.768	17296	10079	Sisma Y SLV	0	257.8	0	0	840	0.768
17297	10079	Sisma X SLO	137.4	0	0	0	840	0.768	17298	10079	Sisma Y SLO	0	137.4	0	0	840	0.768
17299	10079	Sisma X SLD	114.1	0	0	0	840	0.768	17300	10079	Sisma Y SLD	0	114.1	0	0	840	0.768
17301	10080	Sisma X SLV	257.8	0	0	0	840	0.768	17302	10080	Sisma Y SLV	0	257.8	0	0	840	0.768
17303	10080	Sisma X SLO	137.4	0	0	0	840	0.768	17304	10080	Sisma Y SLO	0	137.4	0	0	840	0.768
17305	10080	Sisma X SLD	114.1	0	0	0	840	0.768	17306	10080	Sisma Y SLD	0	114.1	0	0	840	0.768
17307	10081	Sisma X SLV	257.8	0	0	0	840	0.768	17308	10081	Sisma Y SLV	0	257.8	0	0	840	0.768
17309	10081	Sisma X SLO	137.4	0	0	0	840	0.768	17310	10081	Sisma Y SLO	0	137.4	0	0	840	0.768
17311	10081	Sisma X SLD	114.1	0	0	0	840	0.768	17312	10081	Sisma Y SLD	0	114.1	0	0	840	0.768

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
17313	10082	Sisma X SLV	257.8	0	0	0	840	0.768	17314	10082	Sisma Y SLV	0	257.8	0	0	840	0.768
17315	10082	Sisma X SLO	137.4	0	0	0	840	0.768	17316	10082	Sisma Y SLO	0	137.4	0	0	840	0.768
17317	10082	Sisma X SLD	114.1	0	0	0	840	0.768	17318	10082	Sisma Y SLD	0	114.1	0	0	840	0.768
17319	10083	Sisma X SLV	257.8	0	0	0	840	0.768	17320	10083	Sisma Y SLV	0	257.8	0	0	840	0.768
17321	10083	Sisma X SLO	137.4	0	0	0	840	0.768	17322	10083	Sisma Y SLO	0	137.4	0	0	840	0.768
17323	10083	Sisma X SLD	114.1	0	0	0	840	0.768	17324	10083	Sisma Y SLD	0	114.1	0	0	840	0.768
17325	10084	Sisma X SLV	257.8	0	0	0	840	0.768	17326	10084	Sisma Y SLV	0	257.8	0	0	840	0.768
17327	10084	Sisma X SLO	137.4	0	0	0	840	0.768	17328	10084	Sisma Y SLO	0	137.4	0	0	840	0.768
17329	10084	Sisma X SLD	114.1	0	0	0	840	0.768	17330	10084	Sisma Y SLD	0	114.1	0	0	840	0.768
17331	10085	Sisma X SLV	7.2E3	0	0	0	2.3E4	0.768	17332	10085	Sisma Y SLV	0	7.2E3	0	0	2.3E4	0.768
17333	10085	Sisma X SLO	3830	0	0	0	2.3E4	0.768	17334	10085	Sisma Y SLO	0	3830	0	0	2.3E4	0.768
17335	10085	Sisma X SLD	3.2E3	0	0	0	2.3E4	0.768	17336	10085	Sisma Y SLD	0	3.2E3	0	0	2.3E4	0.768
17337	10086	Sisma X SLV	4.7E3	0	0	0	1.5E4	0.768	17338	10086	Sisma Y SLV	0	4.7E3	0	0	1.5E4	0.768
17339	10086	Sisma X SLO	2.5E3	0	0	0	1.5E4	0.768	17340	10086	Sisma Y SLO	0	2.5E3	0	0	1.5E4	0.768
17341	10086	Sisma X SLD	2.1E3	0	0	0	1.5E4	0.768	17342	10086	Sisma Y SLD	0	2.1E3	0	0	1.5E4	0.768
17343	10087	Sisma X SLV	5.8E3	0	0	0	1.9E4	0.768	17344	10087	Sisma Y SLV	0	5.8E3	0	0	1.9E4	0.768
17345	10087	Sisma X SLO	3.1E3	0	0	0	1.9E4	0.768	17346	10087	Sisma Y SLO	0	3.1E3	0	0	1.9E4	0.768
17347	10087	Sisma X SLD	2.6E3	0	0	0	1.9E4	0.768	17348	10087	Sisma Y SLD	0	2.6E3	0	0	1.9E4	0.768
17349	10088	Sisma X SLV	4.7E3	0	0	0	1.5E4	0.768	17350	10088	Sisma Y SLV	0	4.7E3	0	0	1.5E4	0.768
17351	10088	Sisma X SLO	2.5E3	0	0	0	1.5E4	0.768	17352	10088	Sisma Y SLO	0	2.5E3	0	0	1.5E4	0.768
17353	10088	Sisma X SLD	2.1E3	0	0	0	1.5E4	0.768	17354	10088	Sisma Y SLD	0	2.1E3	0	0	1.5E4	0.768
17355	10089	Sisma X SLV	7.2E3	0	0	0	2.3E4	0.768	17356	10089	Sisma Y SLV	0	7.2E3	0	0	2.3E4	0.768
17357	10089	Sisma X SLO	3.8E3	0	0	0	2.3E4	0.768	17358	10089	Sisma Y SLO	0	3.8E3	0	0	2.3E4	0.768
17359	10089	Sisma X SLD	3.2E3	0	0	0	2.3E4	0.768	17360	10089	Sisma Y SLD	0	3.2E3	0	0	2.3E4	0.768
17361	10090	Sisma X SLV	7.2E3	0	0	0	2.3E4	0.768	17362	10090	Sisma Y SLV	0	7.2E3	0	0	2.3E4	0.768
17363	10090	Sisma X SLO	3.8E3	0	0	0	2.3E4	0.768	17364	10090	Sisma Y SLO	0	3.8E3	0	0	2.3E4	0.768
17365	10090	Sisma X SLD	3.2E3	0	0	0	2.3E4	0.768	17366	10090	Sisma Y SLD	0	3.2E3	0	0	2.3E4	0.768
17367	10091	Sisma X SLV	718.9	0	0	0	2.3E3	0.768	17368	10091	Sisma Y SLV	0	718.9	0	0	2.3E3	0.768
17369	10091	Sisma X SLO	383.3	0	0	0	2.3E3	0.768	17370	10091	Sisma Y SLO	0	383.3	0	0	2.3E3	0.768
17371	10091	Sisma X SLD	318.1	0	0	0	2.3E3	0.768	17372	10091	Sisma Y SLD	0	318.1	0	0	2.3E3	0.768
17373	10092	Sisma X SLV	7.4E3	0	0	0	2.4E4	0.768	17374	10092	Sisma Y SLV	0	7.4E3	0	0	2.4E4	0.768
17375	10092	Sisma X SLO	3.9E3	0	0	0	2.4E4	0.768	17376	10092	Sisma Y SLO	0	3.9E3	0	0	2.4E4	0.768
17377	10092	Sisma X SLD	3.3E3	0	0	0	2.4E4	0.768	17378	10092	Sisma Y SLD	0	3.3E3	0	0	2.4E4	0.768
17379	10093	Sisma X SLV	7.4E3	0	0	0	2.4E4	0.768	17380	10093	Sisma Y SLV	0	7.4E3	0	0	2.4E4	0.768
17381	10093	Sisma X SLO	3.9E3	0	0	0	2.4E4	0.768	17382	10093	Sisma Y SLO	0	3.9E3	0	0	2.4E4	0.768
17383	10093	Sisma X SLD	3.3E3	0	0	0	2.4E4	0.768	17384	10093	Sisma Y SLD	0	3.3E3	0	0	2.4E4	0.768
17385	10094	Sisma X SLV	740	0	0	0	2.4E3	0.768	17386	10094	Sisma Y SLV	0	740	0	0	2.4E3	0.768
17387	10094	Sisma X SLO	394.5	0	0	0	2.4E3	0.768	17388	10094	Sisma Y SLO	0	394.5	0	0	2.4E3	0.768
17389	10094	Sisma X SLD	327.5	0	0	0	2.4E3	0.768	17390	10094	Sisma Y SLD	0	327.5	0	0	2.4E3	0.768
17391	10095	Sisma X SLV	7210	0	0	0	2.3E4	0.768	17392	10095	Sisma Y SLV	0	7210	0	0	2.3E4	0.768
17393	10095	Sisma X SLO	3844	0	0	0	2.3E4	0.768	17394	10095	Sisma Y SLO	0	3844	0	0	2.3E4	0.768
17395	10095	Sisma X SLD	3.2E3	0	0	0	2.3E4	0.768	17396	10095	Sisma Y SLD	0	3.2E3	0	0	2.3E4	0.768
17397	10096	Sisma X SLV	334	0	0	0	1.1E3	0.768	17398	10096	Sisma Y SLV	0	334	0	0	1.1E3	0.768
17399	10096	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	17400	10096	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
17401	10096	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	17402	10096	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
17403	10097	Sisma X SLV	799.4	0	0	0	2.6E3	0.768	17404	10097	Sisma Y SLV	0	799.4	0	0	2.6E3	0.768
17405	10097	Sisma X SLO	426.2	0	0	0	2.6E3	0.768	17406	10097	Sisma Y SLO	0	426.2	0	0	2.6E3	0.768
17407	10097	Sisma X SLD	353.8	0	0	0	2.6E3	0.768	17408	10097	Sisma Y SLD	0	353.8	0	0	2.6E3	0.768
17409	10098	Sisma X SLV	386.6	0	0	0	1260	0.768	17410	10098	Sisma Y SLV	0	386.6	0	0	1260	0.768
17411	10098	Sisma X SLO	206.1	0	0	0	1260	0.768	17412	10098	Sisma Y SLO	0	206.1	0	0	1260	0.768
17413	10098	Sisma X SLD	171.1	0	0	0	1260	0.768	17414	10098	Sisma Y SLD	0	171.1	0	0	1260	0.768
17415	10099	Sisma X SLV	386.6	0	0	0	1260	0.768	17416	10099	Sisma Y SLV	0	386.6	0	0	1260	0.768
17417	10099	Sisma X SLO	206.1	0	0	0	1260	0.768	17418	10099	Sisma Y SLO	0	206.1	0	0	1260	0.768
17419	10099	Sisma X SLD	171.1	0	0	0	1260	0.768	17420	10099	Sisma Y SLD	0	171.1	0	0	1260	0.768
17421	10100	Sisma X SLV	213.8	0	0	0	7.0E2	0.768	17422	10100	Sisma Y SLV	0	213.8	0	0	7.0E2	0.768
17423	10100	Sisma X SLO	114	0	0	0	7.0E2	0.768	17424	10100	Sisma Y SLO	0	114	0	0	7.0E2	0.768
17425	10100	Sisma X SLD	94.6	0	0	0	7.0E2	0.768	17426	10100	Sisma Y SLD	0	94.6	0	0	7.0E2	0.768
17427	10101	Sisma X SLV	4.1E3	0	0	0	1.3E4	0.768	17428	10101	Sisma Y SLV	0	4.1E3	0	0	1.3E4	0.768
17429	10101	Sisma X SLO	2.2E3	0	0	0	1.3E4	0.768	17430	10101	Sisma Y SLO	0	2.2E3	0	0	1.3E4	0.768
17431	10101	Sisma X SLD	1.8E3	0	0	0	1.3E4	0.768	17432	10101	Sisma Y SLD	0	1.8E3	0	0	1.3E4	0.768
17433	10102	Sisma X SLV	4.2E3	0	0	0	1.4E4	0.768	17434	10102	Sisma Y SLV	0	4.2E3	0	0	1.4E4	0.768
17435	10102	Sisma X SLO	2.2E3	0	0	0	1.4E4	0.768	17436	10102	Sisma Y SLO	0	2.2E3	0	0	1.4E4	0.768
17437	10102	Sisma X SLD	1.9E3	0	0	0	1.4E4	0.768	17438	10102	Sisma Y SLD	0	1.9E3	0	0	1.4E4	0.768
17439	10103	Sisma X SLV	406.6	0	0	0	1.3E3	0.768	17440	10103	Sisma Y SLV	0	406.6	0	0	1.3E3	0.768
17441	10103	Sisma X SLO	216.8	0	0	0	1.3E3	0.768	17442	10103	Sisma Y SLO	0	216.8	0	0	1.3E3	0.768
17443	10103	Sisma X SLD	180	0	0	0	1.3E3	0.768	17444	10103	Sisma Y SLD	0	180	0	0	1.3E3	0.768
17445	10104	Sisma X SLV	213.9	0	0	0	7.0E2	0.768	17446	10104	Sisma Y SLV	0	213.9	0	0	7.0E2	0.768
17447	10104	Sisma X SLO	114.1	0	0	0	7.0E2	0.768	17448	10104	Sisma Y SLO	0	114.1	0	0	7.0E2	0.768
17449	10104	Sisma X SLD	94.7	0	0	0	7.0E2	0.768	17450	10104	Sisma Y SLD	0	94.7	0	0	7.0E2	0.768
17451	10105	Sisma X SLV	404.8	0	0	0	1.3E3	0.768	17452	10105	Sisma Y SLV	0	404.8	0	0	1.3E3	0.768
17453	10105	Sisma X SLO	215.8	0	0	0	1.3E3	0.768	17454	10105	Sisma Y SLO	0	215.8	0	0	1.3E3	0.768
17455	10105	Sisma X SLD	179.2	0	0	0	1.3E3	0.768	17456	10105	Sisma Y SLD	0	179.2	0	0	1.3E3	0.768
17457	10106	Sisma X SLV	214.1	0	0	0	7.0E2	0.768	17458	10106	Sisma Y SLV	0	214.1	0	0	7.0E2	0.768
17459	10106	Sisma X SLO	114.1	0	0	0	7.0E2	0.768	17460	10106	Sisma Y SLO	0	114.1	0	0	7.0E2	0.768
17461	10106	Sisma X SLD	94.7	0	0	0	7.0E2	0.768	17462	10106	Sisma Y SLD	0	94.7	0	0	7.0E2	0.768
17463	10107	Sisma X SLV	390.7	0	0	0	1.3E3	0.768	17464	10107	Sisma Y SLV	0	390.7	0	0	1.3E3	0.768
17465	10107	Sisma X SLO	208.3	0	0	0	1.3E3	0.768	17466	10107	Sisma Y SLO	0	208.3	0	0	1.3E3	0.768
17467	10107	Sisma X SLD	172.9	0	0	0	1.3E3	0.768	17468	10107	Sisma Y SLD	0	172.9	0	0	1.3E3	0.768
17469	10108	Sisma X SLV	214.2	0	0	0	7.0E2	0.768	17470	10108	Sisma Y SLV	0	214.2	0	0	7.0E2	0.768
17471	10108	Sisma X SLO	114.2	0	0	0	7.0E2	0.768	17472	10108	Sisma Y SLO	0	114.2	0	0	7.0E2	0.768
17473	10108	Sisma X SLD	94.8	0	0	0	7.0E2	0.768	17474	10108	Sisma Y SLD	0	94.8	0	0	7.0E2	0.768
17475	10109	Sisma X SLV	375.9	0	0	0	1.2E3	0.768	17476	10109	Sisma Y SLV	0	375.9	0	0	1.2E3	0.768
17477	10109	Sisma X SLO	200.4	0	0	0	1.2E3	0.768	17478	10109	Sisma Y SLO	0	200.4	0	0	1.2E3	0.768
17479	10109	Sisma X SLD	166.4	0	0	0	1.2E3	0.768	17480	10109	Sisma Y SLD	0	166.4	0	0	1.2E3	0.768
17481	10110	Sisma X SLV	214.3	0	0	0	7.0E2	0.768	17482	10110	Sisma Y SLV	0	214.3	0	0	7.0E2	0.768
17483	10110	Sisma X SLO	114.3	0	0	0	7.0E2	0.768	17484	10110	Sisma Y SLO	0	114.3	0	0	7.0E2	0.768
17485	10110	Sisma X SLD	94.9	0	0	0	7.0E2	0.768	17486	10110	Sisma Y SLD	0	94.9	0	0	7.0E2	0.768
17487	10111	Sisma X SLV	375.9	0	0	0	1.2E3	0.768	17488	10111	Sisma Y SLV	0	375.9	0	0	1.2E3	0.768
17489	10111	Sisma X SLO	200.4	0	0	0	1.2E3	0.768	17490	10111	Sisma Y SLO	0	200.4	0	0	1.2E3	0.768
17491	10111	Sisma X SLD	166.4	0	0	0	1.2E3	0.768	17492	10111	Sisma Y SLD	0	166.4	0	0	1.2E3	0.768
17493	10112	Sisma X SLV	214.5	0	0	0	7.0E2	0.768	17494	10112	Sisma Y SLV	0	214.5	0	0	7.0E2	0.768
17495	10112	Sisma X SLO	114.3	0	0	0	7.0E2	0.768	17496	10112	Sisma Y SLO	0	114.3	0	0	7.0E2	0.768
17497	10112	Sisma X SLD	94.9	0	0	0	7.0E2	0.768	17498	10112	Sisma Y SLD	0	94.9	0	0	7.0E2	0.768
17499	10113	Sisma X SLV	376.2	0	0	0	1.2E3	0.768	17500	10113	Sisma Y SLV	0	376.2	0	0	1.2E3	0.768
17501	10113	Sisma X SLO	200.6	0	0	0	1.2E3	0.768	17502	10113	Sisma Y SLO	0	200.6	0	0	1.2E3	0.768
17503	10113	Sisma X SLD	166.5	0	0	0	1.2E3	0.768	17504	10113	Sisma Y SLD	0	166.5	0	0	1.2E3	0.768
17505	10114	Sisma X SLV	413.8	0	0	0	1.3E3	0.768	17506	10114	Sisma Y SLV	0	413.8	0	0	1.3E3	0.768
17507	10114	Sisma X SLO	220.6	0	0	0	1.3E3	0.768	17508	10114	Sisma Y SLO	0	220.6	0	0	1.3E3	0.768
17509	10114	Sisma X SLD	183.1	0	0	0	1.3E3	0.768	17510	10114	Sisma Y SLD	0	183.1	0	0	1.3E3	0.768
17511	10115	Sisma X SLV	214.6	0	0	0	7.0E2	0.768	17512	10115	Sisma Y SLV	0	214.6	0	0	7.0E2	0.768

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
17513	10115	Sisma X SLO	114.4	0	0	0	7.0E2	0.768	17514	10115	Sisma Y SLO	0	114.4	0	0	7.0E2	0.768
17515	10115	Sisma X SLD	95	0	0	0	7.0E2	0.768	17516	10115	Sisma Y SLD	0	95	0	0	7.0E2	0.768
17517	10116	Sisma X SLV	458	0	0	0	1.5E3	0.768	17518	10116	Sisma Y SLV	0	458	0	0	1.5E3	0.768
17519	10116	Sisma X SLO	244.2	0	0	0	1.5E3	0.768	17520	10116	Sisma Y SLO	0	244.2	0	0	1.5E3	0.768
17521	10116	Sisma X SLD	202.7	0	0	0	1.5E3	0.768	17522	10116	Sisma Y SLD	0	202.7	0	0	1.5E3	0.768
17523	10118	Sisma X SLV	214.7	0	0	0	7.0E2	0.768	17524	10118	Sisma Y SLV	0	214.7	0	0	7.0E2	0.768
17525	10118	Sisma X SLO	114.5	0	0	0	7.0E2	0.768	17526	10118	Sisma Y SLO	0	114.5	0	0	7.0E2	0.768
17527	10118	Sisma X SLD	95	0	0	0	7.0E2	0.768	17528	10118	Sisma Y SLD	0	95	0	0	7.0E2	0.768
17529	10119	Sisma X SLV	3.0E3	0	0	0	9.8E3	0.768	17530	10119	Sisma Y SLV	0	3.0E3	0	0	9.8E3	0.768
17531	10119	Sisma X SLO	1.6E3	0	0	0	9.8E3	0.768	17532	10119	Sisma Y SLO	0	1.6E3	0	0	9.8E3	0.768
17533	10119	Sisma X SLD	1.3E3	0	0	0	9.8E3	0.768	17534	10119	Sisma Y SLD	0	1.3E3	0	0	9.8E3	0.768
17535	10120	Sisma X SLV	2512	0	0	0	8.2E3	0.768	17536	10120	Sisma Y SLV	0	2512	0	0	8.2E3	0.768
17537	10120	Sisma X SLO	1.3E3	0	0	0	8.2E3	0.768	17538	10120	Sisma Y SLO	0	1.3E3	0	0	8.2E3	0.768
17539	10120	Sisma X SLD	1.1E3	0	0	0	8.2E3	0.768	17540	10120	Sisma Y SLD	0	1.1E3	0	0	8.2E3	0.768
17541	10121	Sisma X SLV	386.6	0	0	0	1260	0.768	17542	10121	Sisma Y SLV	0	386.6	0	0	1260	0.768
17543	10121	Sisma X SLO	206.1	0	0	0	1260	0.768	17544	10121	Sisma Y SLO	0	206.1	0	0	1260	0.768
17545	10121	Sisma X SLD	171.1	0	0	0	1260	0.768	17546	10121	Sisma Y SLD	0	171.1	0	0	1260	0.768
17547	10122	Sisma X SLV	386.6	0	0	0	1260	0.768	17548	10122	Sisma Y SLV	0	386.6	0	0	1260	0.768
17549	10122	Sisma X SLO	206.1	0	0	0	1260	0.768	17550	10122	Sisma Y SLO	0	206.1	0	0	1260	0.768
17551	10122	Sisma X SLD	171.1	0	0	0	1260	0.768	17552	10122	Sisma Y SLD	0	171.1	0	0	1260	0.768
17553	10123	Sisma X SLV	25	0	0	0	8.1E1	0.768	17554	10123	Sisma Y SLV	0	25	0	0	8.1E1	0.768
17555	10123	Sisma X SLO	13.3	0	0	0	8.1E1	0.768	17556	10123	Sisma Y SLO	0	13.3	0	0	8.1E1	0.768
17557	10123	Sisma X SLD	11	0	0	0	8.1E1	0.768	17558	10123	Sisma Y SLD	0	11	0	0	8.1E1	0.768
17559	10124	Sisma X SLV	25.9	0	0	0	8.4E1	0.768	17560	10124	Sisma Y SLV	0	25.9	0	0	8.4E1	0.768
17561	10124	Sisma X SLO	13.8	0	0	0	8.4E1	0.768	17562	10124	Sisma Y SLO	0	13.8	0	0	8.4E1	0.768
17563	10124	Sisma X SLD	11.5	0	0	0	8.4E1	0.768	17564	10124	Sisma Y SLD	0	11.5	0	0	8.4E1	0.768
17565	10125	Sisma X SLV	26.2	0	0	0	8.5E1	0.768	17566	10125	Sisma Y SLV	0	26.2	0	0	8.5E1	0.768
17567	10125	Sisma X SLO	14	0	0	0	8.5E1	0.768	17568	10125	Sisma Y SLO	0	14	0	0	8.5E1	0.768
17569	10125	Sisma X SLD	11.6	0	0	0	8.5E1	0.768	17570	10125	Sisma Y SLD	0	11.6	0	0	8.5E1	0.768
17571	10126	Sisma X SLV	26.3	0	0	0	8.6E1	0.768	17572	10126	Sisma Y SLV	0	26.3	0	0	8.6E1	0.768
17573	10126	Sisma X SLO	14	0	0	0	8.6E1	0.768	17574	10126	Sisma Y SLO	0	14	0	0	8.6E1	0.768
17575	10126	Sisma X SLD	11.7	0	0	0	8.6E1	0.768	17576	10126	Sisma Y SLD	0	11.7	0	0	8.6E1	0.768
17577	10127	Sisma X SLV	26.4	0	0	0	8.6E1	0.768	17578	10127	Sisma Y SLV	0	26.4	0	0	8.6E1	0.768
17579	10127	Sisma X SLO	14.1	0	0	0	8.6E1	0.768	17580	10127	Sisma Y SLO	0	14.1	0	0	8.6E1	0.768
17581	10127	Sisma X SLD	11.7	0	0	0	8.6E1	0.768	17582	10127	Sisma Y SLD	0	11.7	0	0	8.6E1	0.768
17583	10128	Sisma X SLV	26.2	0	0	0	8.5E1	0.768	17584	10128	Sisma Y SLV	0	26.2	0	0	8.5E1	0.768
17585	10128	Sisma X SLO	14	0	0	0	8.5E1	0.768	17586	10128	Sisma Y SLO	0	14	0	0	8.5E1	0.768
17587	10128	Sisma X SLD	11.6	0	0	0	8.5E1	0.768	17588	10128	Sisma Y SLD	0	11.6	0	0	8.5E1	0.768
17589	10129	Sisma X SLV	120.3	0	0	0	3.9E2	0.768	17590	10129	Sisma Y SLV	0	120.3	0	0	3.9E2	0.768
17591	10129	Sisma X SLO	64.1	0	0	0	3.9E2	0.768	17592	10129	Sisma Y SLO	0	64.1	0	0	3.9E2	0.768
17593	10129	Sisma X SLD	53.2	0	0	0	3.9E2	0.768	17594	10129	Sisma Y SLD	0	53.2	0	0	3.9E2	0.768
17595	10130	Sisma X SLV	257.8	0	0	0	840	0.768	17596	10130	Sisma Y SLV	0	257.8	0	0	840	0.768
17597	10130	Sisma X SLO	137.4	0	0	0	840	0.768	17598	10130	Sisma Y SLO	0	137.4	0	0	840	0.768
17599	10130	Sisma X SLD	114.1	0	0	0	840	0.768	17600	10130	Sisma Y SLD	0	114.1	0	0	840	0.768
17601	10131	Sisma X SLV	257.8	0	0	0	840	0.768	17602	10131	Sisma Y SLV	0	257.8	0	0	840	0.768
17603	10131	Sisma X SLO	137.4	0	0	0	840	0.768	17604	10131	Sisma Y SLO	0	137.4	0	0	840	0.768
17605	10131	Sisma X SLD	114.1	0	0	0	840	0.768	17606	10131	Sisma Y SLD	0	114.1	0	0	840	0.768
17607	10132	Sisma X SLV	257.8	0	0	0	840	0.768	17608	10132	Sisma Y SLV	0	257.8	0	0	840	0.768
17609	10132	Sisma X SLO	137.4	0	0	0	840	0.768	17610	10132	Sisma Y SLO	0	137.4	0	0	840	0.768
17611	10132	Sisma X SLD	114.1	0	0	0	840	0.768	17612	10132	Sisma Y SLD	0	114.1	0	0	840	0.768
17613	10133	Sisma X SLV	257.8	0	0	0	840	0.768	17614	10133	Sisma Y SLV	0	257.8	0	0	840	0.768
17615	10133	Sisma X SLO	137.4	0	0	0	840	0.768	17616	10133	Sisma Y SLO	0	137.4	0	0	840	0.768
17617	10133	Sisma X SLD	114.1	0	0	0	840	0.768	17618	10133	Sisma Y SLD	0	114.1	0	0	840	0.768
17619	10134	Sisma X SLV	257.8	0	0	0	840	0.768	17620	10134	Sisma Y SLV	0	257.8	0	0	840	0.768
17621	10134	Sisma X SLO	137.4	0	0	0	840	0.768	17622	10134	Sisma Y SLO	0	137.4	0	0	840	0.768
17623	10134	Sisma X SLD	114.1	0	0	0	840	0.768	17624	10134	Sisma Y SLD	0	114.1	0	0	840	0.768
17625	10135	Sisma X SLV	257.8	0	0	0	840	0.768	17626	10135	Sisma Y SLV	0	257.8	0	0	840	0.768
17627	10135	Sisma X SLO	137.4	0	0	0	840	0.768	17628	10135	Sisma Y SLO	0	137.4	0	0	840	0.768
17629	10135	Sisma X SLD	114.1	0	0	0	840	0.768	17630	10135	Sisma Y SLD	0	114.1	0	0	840	0.768
17631	10136	Sisma X SLV	257.8	0	0	0	840	0.768	17632	10136	Sisma Y SLV	0	257.8	0	0	840	0.768
17633	10136	Sisma X SLO	137.4	0	0	0	840	0.768	17634	10136	Sisma Y SLO	0	137.4	0	0	840	0.768
17635	10136	Sisma X SLD	114.1	0	0	0	840	0.768	17636	10136	Sisma Y SLD	0	114.1	0	0	840	0.768
17637	10137	Sisma X SLV	257.8	0	0	0	840	0.768	17638	10137	Sisma Y SLV	0	257.8	0	0	840	0.768
17639	10137	Sisma X SLO	137.4	0	0	0	840	0.768	17640	10137	Sisma Y SLO	0	137.4	0	0	840	0.768
17641	10137	Sisma X SLD	114.1	0	0	0	840	0.768	17642	10137	Sisma Y SLD	0	114.1	0	0	840	0.768
17643	10138	Sisma X SLV	257.8	0	0	0	840	0.768	17644	10138	Sisma Y SLV	0	257.8	0	0	840	0.768
17645	10138	Sisma X SLO	137.4	0	0	0	840	0.768	17646	10138	Sisma Y SLO	0	137.4	0	0	840	0.768
17647	10138	Sisma X SLD	114.1	0	0	0	840	0.768	17648	10138	Sisma Y SLD	0	114.1	0	0	840	0.768
17649	10139	Sisma X SLV	491.9	0	0	0	1.6E3	0.768	17650	10139	Sisma Y SLV	0	491.9	0	0	1.6E3	0.768
17651	10139	Sisma X SLO	262.3	0	0	0	1.6E3	0.768	17652	10139	Sisma Y SLO	0	262.3	0	0	1.6E3	0.768
17653	10139	Sisma X SLD	217.7	0	0	0	1.6E3	0.768	17654	10139	Sisma Y SLD	0	217.7	0	0	1.6E3	0.768
17655	10140	Sisma X SLV	3.9E3	0	0	0	1.3E4	0.768	17656	10140	Sisma Y SLV	0	3.9E3	0	0	1.3E4	0.768
17657	10140	Sisma X SLO	2.1E3	0	0	0	1.3E4	0.768	17658	10140	Sisma Y SLO	0	2.1E3	0	0	1.3E4	0.768
17659	10140	Sisma X SLD	1.7E3	0	0	0	1.3E4	0.768	17660	10140	Sisma Y SLD	0	1.7E3	0	0	1.3E4	0.768
17661	10141	Sisma X SLV	2.7E3	0	0	0	8.7E3	0.768	17662	10141	Sisma Y SLV	0	2.7E3	0	0	8.7E3	0.768
17663	10141	Sisma X SLO	1.4E3	0	0	0	8.7E3	0.768	17664	10141	Sisma Y SLO	0	1.4E3	0	0	8.7E3	0.768
17665	10141	Sisma X SLD	1.2E3	0	0	0	8.7E3	0.768	17666	10141	Sisma Y SLD	0	1.2E3	0	0	8.7E3	0.768
17667	10142	Sisma X SLV	3.1E3	0	0	0	1.0E4	0.768	17668	10142	Sisma Y SLV	0	3.1E3	0	0	1.0E4	0.768
17669	10142	Sisma X SLO	1676	0	0	0	1.0E4	0.768	17670	10142	Sisma Y SLO	0	1676	0	0	1.0E4	0.768
17671	10142	Sisma X SLD	1.4E3	0	0	0	1.0E4	0.768	17672	10142	Sisma Y SLD	0	1.4E3	0	0	1.0E4	0.768
17673	10143	Sisma X SLV	2999	0	0	0	9.8E3	0.768	17674	10143	Sisma Y SLV	0	2999	0	0	9.8E3	0.768
17675	10143	Sisma X SLO	1.6E3	0	0	0	9.8E3	0.768	17676	10143	Sisma Y SLO	0	1.6E3	0	0	9.8E3	0.768
17677	10143	Sisma X SLD	1.3E3	0	0	0	9.8E3	0.768	17678	10143	Sisma Y SLD	0	1.3E3	0	0	9.8E3	0.768
17679	10144	Sisma X SLV	2999	0	0	0	9.8E3	0.768	17680	10144	Sisma Y SLV	0	2999	0	0	9.8E3	0.768
17681	10144	Sisma X SLO	1.6E3	0	0	0	9.8E3	0.768	17682	10144	Sisma Y SLO	0	1.6E3	0	0	9.8E3	0.768
17683	10144	Sisma X SLD	1.3E3	0	0	0	9.8E3	0.768	17684	10144	Sisma Y SLD	0	1.3E3	0	0	9.8E3	0.768
17685	10145	Sisma X SLV	5.2E3	0	0	0	1.7E4	0.768	17686	10145	Sisma Y SLV	0	5.2E3	0	0	1.7E4	0.768
17687	10145	Sisma X SLO	2.8E3	0	0	0	1.7E4	0.768	17688	10145	Sisma Y SLO	0	2.8E3	0	0	1.7E4	0.768
17689	10145	Sisma X SLD	2.3E3	0	0	0	1.7E4	0.768	17690	10145	Sisma Y SLD	0	2.3E3	0	0	1.7E4	0.768
17691	10146	Sisma X SLV	4.0E3	0	0	0	1.3E4	0.768	17692	10146	Sisma Y SLV	0	4.0E3	0	0	1.3E4	0.768
17693	10146	Sisma X SLO	2.1E3	0	0	0	1.3E4	0.768	17694	10146	Sisma Y SLO	0	2.1E3	0	0	1.3E4	0.768
17695	10146	Sisma X SLD	1753	0	0	0	1.3E4	0.768	17696	10146	Sisma Y SLD	0	1753	0	0	1.3E4	0.768
17697	10147	Sisma X SLV	1.4E3	0	0	0	4.6E3	0.768	17698	10147	Sisma Y SLV	0	1.4E3	0	0	4.6E3	0.768
17699	10147	Sisma X SLO	751.1	0	0	0	4.6E3	0.768	17700	10147	Sisma Y SLO	0	751.1	0	0	4.6E3	0.768
17701	10147	Sisma X SLD	623.5	0	0	0	4.6E3	0.768	17702	10147	Sisma Y SLD	0	623.5	0	0	4.6E3	0.768
17703	10148	Sisma X SLV	3.1E3	0	0	0	1.0E4	0.768	17704	10148	Sisma Y SLV	0	3.1E3	0	0	1.0E4	0.768
17705	10148	Sisma X SLO	1639	0	0	0	1.0E4	0.768	17706	10148	Sisma Y SLO	0	1639	0	0	1.0E4	0.768
17707	10148	Sisma X SLD	1.4E3	0	0	0	1.0E4	0.768	17708	10148	Sisma Y SLD	0	1.4E3	0	0	1.0E4	0.768
17709	10149	Sisma X SLV	3.1E3	0	0	0	1.0E4	0.768	17710	10149	Sisma Y SLV	0	3.1E3	0	0	1.0E4	0.768
17711	10149	Sisma X SLO	1.6E3	0	0	0	1.0E4	0.768	17712	10149	Sisma Y SLO	0	1.6E3	0	0	1.0E4	0.768

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
17713	10149	Sisma X SLD	1.4E3	0	0	0	1.0E4	0.768	17714	10149	Sisma Y SLD	0	1.4E3	0	0	1.0E4	0.768
17715	10150	Sisma X SLV	334	0	0	0	1.1E3	0.768	17716	10150	Sisma Y SLV	0	334	0	0	1.1E3	0.768
17717	10150	Sisma X SLO	178.1	0	0	0	1.1E3	0.768	17718	10150	Sisma Y SLO	0	178.1	0	0	1.1E3	0.768
17719	10150	Sisma X SLD	147.8	0	0	0	1.1E3	0.768	17720	10150	Sisma Y SLD	0	147.8	0	0	1.1E3	0.768
17721	10151	Sisma X SLV	1.6E3	0	0	0	5.3E3	0.768	17722	10151	Sisma Y SLV	0	1.6E3	0	0	5.3E3	0.768
17723	10151	Sisma X SLO	860.1	0	0	0	5.3E3	0.768	17724	10151	Sisma Y SLO	0	860.1	0	0	5.3E3	0.768
17725	10151	Sisma X SLD	713.9	0	0	0	5.3E3	0.768	17726	10151	Sisma Y SLD	0	713.9	0	0	5.3E3	0.768
17727	10152	Sisma X SLV	622.2	0	0	0	2.0E3	0.768	17728	10152	Sisma Y SLV	0	622.2	0	0	2.0E3	0.768
17729	10152	Sisma X SLO	331.7	0	0	0	2.0E3	0.768	17730	10152	Sisma Y SLO	0	331.7	0	0	2.0E3	0.768
17731	10152	Sisma X SLD	275.4	0	0	0	2.0E3	0.768	17732	10152	Sisma Y SLD	0	275.4	0	0	2.0E3	0.768
17733	10153	Sisma X SLV	365.5	0	0	0	1.2E3	0.768	17734	10153	Sisma Y SLV	0	365.5	0	0	1.2E3	0.768
17735	10153	Sisma X SLO	194.9	0	0	0	1.2E3	0.768	17736	10153	Sisma Y SLO	0	194.9	0	0	1.2E3	0.768
17737	10153	Sisma X SLD	161.7	0	0	0	1.2E3	0.768	17738	10153	Sisma Y SLD	0	161.7	0	0	1.2E3	0.768
17739	10154	Sisma X SLV	28.8	0	0	0	9.4E1	0.768	17740	10154	Sisma Y SLV	0	28.8	0	0	9.4E1	0.768
17741	10154	Sisma X SLO	15.4	0	0	0	9.4E1	0.768	17742	10154	Sisma Y SLO	0	15.4	0	0	9.4E1	0.768
17743	10154	Sisma X SLD	12.8	0	0	0	9.4E1	0.768	17744	10154	Sisma Y SLD	0	12.8	0	0	9.4E1	0.768
17745	10155	Sisma X SLV	28.8	0	0	0	93.92	0.768	17746	10155	Sisma Y SLV	0	28.8	0	0	93.92	0.768
17747	10155	Sisma X SLO	15.4	0	0	0	93.92	0.768	17748	10155	Sisma Y SLO	0	15.4	0	0	93.92	0.768
17749	10155	Sisma X SLD	12.8	0	0	0	93.92	0.768	17750	10155	Sisma Y SLD	0	12.8	0	0	93.92	0.768
17751	10156	Sisma X SLV	190.2	0	0	0	620	0.768	17752	10156	Sisma Y SLV	0	190.2	0	0	620	0.768
17753	10156	Sisma X SLO	101.4	0	0	0	620	0.768	17754	10156	Sisma Y SLO	0	101.4	0	0	620	0.768
17755	10156	Sisma X SLD	84.2	0	0	0	620	0.768	17756	10156	Sisma Y SLD	0	84.2	0	0	620	0.768
17757	10157	Sisma X SLV	190.2	0	0	0	620	0.768	17758	10157	Sisma Y SLV	0	190.2	0	0	620	0.768
17759	10157	Sisma X SLO	101.4	0	0	0	620	0.768	17760	10157	Sisma Y SLO	0	101.4	0	0	620	0.768
17761	10157	Sisma X SLD	84.2	0	0	0	620	0.768	17762	10157	Sisma Y SLD	0	84.2	0	0	620	0.768
17763	10158	Sisma X SLV	190.2	0	0	0	620	0.768	17764	10158	Sisma Y SLV	0	190.2	0	0	620	0.768
17765	10158	Sisma X SLO	101.4	0	0	0	620	0.768	17766	10158	Sisma Y SLO	0	101.4	0	0	620	0.768
17767	10158	Sisma X SLD	84.2	0	0	0	620	0.768	17768	10158	Sisma Y SLD	0	84.2	0	0	620	0.768
17769	10159	Sisma X SLV	2.0E3	0	0	0	6.6E3	0.768	17770	10159	Sisma Y SLV	0	2.0E3	0	0	6.6E3	0.768
17771	10159	Sisma X SLO	1.1E3	0	0	0	6.6E3	0.768	17772	10159	Sisma Y SLO	0	1.1E3	0	0	6.6E3	0.768
17773	10159	Sisma X SLD	897.8	0	0	0	6.6E3	0.768	17774	10159	Sisma Y SLD	0	897.8	0	0	6.6E3	0.768
17775	10160	Sisma X SLV	3.5E3	0	0	0	1.2E4	0.768	17776	10160	Sisma Y SLV	0	3.5E3	0	0	1.2E4	0.768
17777	10160	Sisma X SLO	1.9E3	0	0	0	1.2E4	0.768	17778	10160	Sisma Y SLO	0	1.9E3	0	0	1.2E4	0.768
17779	10160	Sisma X SLD	1.6E3	0	0	0	1.2E4	0.768	17780	10160	Sisma Y SLD	0	1.6E3	0	0	1.2E4	0.768
17781	10161	Sisma X SLV	2.3E3	0	0	0	7.4E3	0.768	17782	10161	Sisma Y SLV	0	2.3E3	0	0	7.4E3	0.768
17783	10161	Sisma X SLO	1.2E3	0	0	0	7.4E3	0.768	17784	10161	Sisma Y SLO	0	1.2E3	0	0	7.4E3	0.768
17785	10161	Sisma X SLD	1.0E3	0	0	0	7.4E3	0.768	17786	10161	Sisma Y SLD	0	1.0E3	0	0	7.4E3	0.768
17787	10162	Sisma X SLV	30.5	0	0	0	9.2E1	0.831	17788	10162	Sisma Y SLV	0	30.5	0	0	9.2E1	0.831
17789	10162	Sisma X SLO	16.2	0	0	0	9.2E1	0.831	17790	10162	Sisma Y SLO	0	16.2	0	0	9.2E1	0.831
17791	10162	Sisma X SLD	13.5	0	0	0	9.2E1	0.831	17792	10162	Sisma Y SLD	0	13.5	0	0	9.2E1	0.831
17793	10163	Sisma X SLV	39.7	0	0	0	1.2E2	0.831	17794	10163	Sisma Y SLV	0	39.7	0	0	1.2E2	0.831
17795	10163	Sisma X SLO	21.2	0	0	0	1.2E2	0.831	17796	10163	Sisma Y SLO	0	21.2	0	0	1.2E2	0.831
17797	10163	Sisma X SLD	17.6	0	0	0	1.2E2	0.831	17798	10163	Sisma Y SLD	0	17.6	0	0	1.2E2	0.831
17799	10164	Sisma X SLV	18.5	0	0	0	5.6E1	0.831	17800	10164	Sisma Y SLV	0	18.5	0	0	5.6E1	0.831
17801	10164	Sisma X SLO	9.9	0	0	0	5.6E1	0.831	17802	10164	Sisma Y SLO	0	9.9	0	0	5.6E1	0.831
17803	10164	Sisma X SLD	8.2	0	0	0	5.6E1	0.831	17804	10164	Sisma Y SLD	0	8.2	0	0	5.6E1	0.831
17805	10165	Sisma X SLV	18.5	0	0	0	5.6E1	0.831	17806	10165	Sisma Y SLV	0	18.5	0	0	5.6E1	0.831
17807	10165	Sisma X SLO	9.9	0	0	0	5.6E1	0.831	17808	10165	Sisma Y SLO	0	9.9	0	0	5.6E1	0.831
17809	10165	Sisma X SLD	8.2	0	0	0	5.6E1	0.831	17810	10165	Sisma Y SLD	0	8.2	0	0	5.6E1	0.831
17811	10166	Sisma X SLV	36.3	0	0	0	1.1E2	0.831	17812	10166	Sisma Y SLV	0	36.3	0	0	1.1E2	0.831
17813	10166	Sisma X SLO	19.4	0	0	0	1.1E2	0.831	17814	10166	Sisma Y SLO	0	19.4	0	0	1.1E2	0.831
17815	10166	Sisma X SLD	16.1	0	0	0	1.1E2	0.831	17816	10166	Sisma Y SLD	0	16.1	0	0	1.1E2	0.831
17817	10167	Sisma X SLV	57.1	0	0	0	1.7E2	0.831	17818	10167	Sisma Y SLV	0	57.1	0	0	1.7E2	0.831
17819	10167	Sisma X SLO	30.4	0	0	0	1.7E2	0.831	17820	10167	Sisma Y SLO	0	30.4	0	0	1.7E2	0.831
17821	10167	Sisma X SLD	25.3	0	0	0	1.7E2	0.831	17822	10167	Sisma Y SLD	0	25.3	0	0	1.7E2	0.831
17823	10168	Sisma X SLV	43.7	0	0	0	1.3E2	0.831	17824	10168	Sisma Y SLV	0	43.7	0	0	1.3E2	0.831
17825	10168	Sisma X SLO	23.3	0	0	0	1.3E2	0.831	17826	10168	Sisma Y SLO	0	23.3	0	0	1.3E2	0.831
17827	10168	Sisma X SLD	19.3	0	0	0	1.3E2	0.831	17828	10168	Sisma Y SLD	0	19.3	0	0	1.3E2	0.831
17829	10169	Sisma X SLV	20.4	0	0	0	6.1E1	0.831	17830	10169	Sisma Y SLV	0	20.4	0	0	6.1E1	0.831
17831	10169	Sisma X SLO	10.9	0	0	0	6.1E1	0.831	17832	10169	Sisma Y SLO	0	10.9	0	0	6.1E1	0.831
17833	10169	Sisma X SLD	9	0	0	0	6.1E1	0.831	17834	10169	Sisma Y SLD	0	9	0	0	6.1E1	0.831
17835	10170	Sisma X SLV	20.4	0	0	0	6.1E1	0.831	17836	10170	Sisma Y SLV	0	20.4	0	0	6.1E1	0.831
17837	10170	Sisma X SLO	10.9	0	0	0	6.1E1	0.831	17838	10170	Sisma Y SLO	0	10.9	0	0	6.1E1	0.831
17839	10170	Sisma X SLD	9	0	0	0	6.1E1	0.831	17840	10170	Sisma Y SLD	0	9	0	0	6.1E1	0.831
17841	10171	Sisma X SLV	34.7	0	0	0	1.0E2	0.831	17842	10171	Sisma Y SLV	0	34.7	0	0	1.0E2	0.831
17843	10171	Sisma X SLO	18.5	0	0	0	1.0E2	0.831	17844	10171	Sisma Y SLO	0	18.5	0	0	1.0E2	0.831
17845	10171	Sisma X SLD	15.3	0	0	0	1.0E2	0.831	17846	10171	Sisma Y SLD	0	15.3	0	0	1.0E2	0.831
17847	10172	Sisma X SLV	50.9	0	0	0	1.5E2	0.831	17848	10172	Sisma Y SLV	0	50.9	0	0	1.5E2	0.831
17849	10172	Sisma X SLO	27.1	0	0	0	1.5E2	0.831	17850	10172	Sisma Y SLO	0	27.1	0	0	1.5E2	0.831
17851	10172	Sisma X SLD	22.5	0	0	0	1.5E2	0.831	17852	10172	Sisma Y SLD	0	22.5	0	0	1.5E2	0.831
17853	10173	Sisma X SLV	31.3	0	0	0	9.4E1	0.831	17854	10173	Sisma Y SLV	0	31.3	0	0	9.4E1	0.831
17855	10173	Sisma X SLO	16.7	0	0	0	9.4E1	0.831	17856	10173	Sisma Y SLO	0	16.7	0	0	9.4E1	0.831
17857	10173	Sisma X SLD	13.9	0	0	0	9.4E1	0.831	17858	10173	Sisma Y SLD	0	13.9	0	0	9.4E1	0.831
17859	10174	Sisma X SLV	24.7	0	0	0	7.4E1	0.831	17860	10174	Sisma Y SLV	0	24.7	0	0	7.4E1	0.831
17861	10174	Sisma X SLO	13.2	0	0	0	7.4E1	0.831	17862	10174	Sisma Y SLO	0	13.2	0	0	7.4E1	0.831
17863	10174	Sisma X SLD	10.9	0	0	0	7.4E1	0.831	17864	10174	Sisma Y SLD	0	10.9	0	0	7.4E1	0.831
17865	10175	Sisma X SLV	18	0	0	0	54.34	0.831	17866	10175	Sisma Y SLV	0	18	0	0	54.34	0.831
17867	10175	Sisma X SLO	9.6	0	0	0	54.34	0.831	17868	10175	Sisma Y SLO	0	9.6	0	0	54.34	0.831
17869	10175	Sisma X SLD	8	0	0	0	54.34	0.831	17870	10175	Sisma Y SLD	0	8	0	0	54.34	0.831
17871	10176	Sisma X SLV	18	0	0	0	54.34	0.831	17872	10176	Sisma Y SLV	0	18	0	0	54.34	0.831
17873	10176	Sisma X SLO	9.6	0	0	0	54.34	0.831	17874	10176	Sisma Y SLO	0	9.6	0	0	54.34	0.831
17875	10176	Sisma X SLD	8	0	0	0	54.34	0.831	17876	10176	Sisma Y SLD	0	8	0	0	54.34	0.831
17877	10177	Sisma X SLV	18	0	0	0	54.34	0.831	17878	10177	Sisma Y SLV	0	18	0	0	54.34	0.831
17879	10177	Sisma X SLO	9.6	0	0	0	54.34	0.831	17880	10177	Sisma Y SLO	0	9.6	0	0	54.34	0.831
17881	10177	Sisma X SLD	8	0	0	0	54.34	0.831	17882	10177	Sisma Y SLD	0	8	0	0	54.34	0.831
17883	10178	Sisma X SLV	25.9	0	0	0	7.8E1	0.831	17884	10178	Sisma Y SLV	0	25.9	0	0	7.8E1	0.831
17885	10178	Sisma X SLO	13.8	0	0	0	7.8E1	0.831	17886	10178	Sisma Y SLO	0	13.8	0	0	7.8E1	0.831
17887	10178	Sisma X SLD	11.4	0	0	0	7.8E1	0.831	17888	10178	Sisma Y SLD	0	11.4	0	0	7.8E1	0.831
17889	10179	Sisma X SLV	34.2	0	0	0	1.0E2	0.831	17890	10179	Sisma Y SLV	0	34.2	0	0	1.0E2	0.831
17891	10179	Sisma X SLO	18.2	0	0	0	1.0E2	0.831	17892	10179	Sisma Y SLO	0	18.2	0	0	1.0E2	0.831
17893	10179	Sisma X SLD	15.1	0	0	0	1.0E2	0.831	17894	10179	Sisma Y SLD	0	15.1	0	0	1.0E2	0.831
17895	10180	Sisma X SLV	24.1	0	0	0	7.2E1	0.831	17896	10180	Sisma Y SLV	0	24.1	0	0	7.2E1	0.831
17897	10180	Sisma X SLO	12.8	0	0	0	7.2E1	0.831	17898	10180	Sisma Y SLO	0	12.8	0	0	7.2E1	0.831
17899	10180	Sisma X SLD	10.6	0	0	0	7.2E1	0.831	17900	10180	Sisma Y SLD	0	10.6	0	0	7.2E1	0.831
17901	10181	Sisma X SLV	24.1	0	0	0	7.2E1	0.831	17902	10181	Sisma Y SLV	0	24.1	0	0	7.2E1	0.831
17903	10181	Sisma X SLO	12.8	0	0	0	7.2E1	0.831	17904	10181	Sisma Y SLO	0	12.8	0	0	7.2E1	0.831
17905	10181	Sisma X SLD	10.6	0	0	0	7.2E1	0.831	17906	10181	Sisma Y SLD	0	10.6	0	0	7.2E1	0.831
17907	10182	Sisma X SLV	35.5	0	0	0	1.1E2	0.831	17908	10182	Sisma Y SLV	0	35.5	0	0	1.1E2	0.831
17909	10182	Sisma X SLO	18.9	0	0	0	1.1E2	0.831	17910	10182	Sisma Y SLO	0	18.9	0	0	1.1E2	0.831
17911	10182	Sisma X SLD	15.7	0	0	0	1.1E2	0.831	17912	10182	Sisma Y SLD	0	15.7	0	0	1.1E2	0.831

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
17913	10183	Sisma X SLV	36.9	0	0	0	1.1E2	0.831
17915	10183	Sisma X SLO	19.7	0	0	0	1.1E2	0.831
17917	10183	Sisma X SLD	16.3	0	0	0	1.1E2	0.831
17919	10184	Sisma X SLV	18	0	0	0	54.34	0.831
17921	10184	Sisma X SLO	9.6	0	0	0	54.34	0.831
17923	10184	Sisma X SLD	8	0	0	0	54.34	0.831
17925	10185	Sisma X SLV	18	0	0	0	54.34	0.831
17927	10185	Sisma X SLO	9.6	0	0	0	54.34	0.831
17929	10185	Sisma X SLD	8	0	0	0	54.34	0.831
17931	10186	Sisma X SLV	18	0	0	0	54.34	0.831
17933	10186	Sisma X SLO	9.6	0	0	0	54.34	0.831
17935	10186	Sisma X SLD	8	0	0	0	54.34	0.831
17937	10187	Sisma X SLV	27.4	0	0	0	8.2E1	0.831
17939	10187	Sisma X SLO	14.6	0	0	0	8.2E1	0.831
17941	10187	Sisma X SLD	12.1	0	0	0	8.2E1	0.831
17943	10188	Sisma X SLV	34.6	0	0	0	1.0E2	0.831
17945	10188	Sisma X SLO	18.4	0	0	0	1.0E2	0.831
17947	10188	Sisma X SLD	15.3	0	0	0	1.0E2	0.831
17949	10189	Sisma X SLV	19.4	0	0	0	58.52	0.831
17951	10189	Sisma X SLO	10.4	0	0	0	58.52	0.831
17953	10189	Sisma X SLD	8.6	0	0	0	58.52	0.831
17955	10190	Sisma X SLV	19.4	0	0	0	58.52	0.831
17957	10190	Sisma X SLO	10.4	0	0	0	58.52	0.831
17959	10190	Sisma X SLD	8.6	0	0	0	58.52	0.831
17961	10191	Sisma X SLV	19.4	0	0	0	58.52	0.831
17963	10191	Sisma X SLO	10.4	0	0	0	58.52	0.831
17965	10191	Sisma X SLD	8.6	0	0	0	58.52	0.831
17967	10192	Sisma X SLV	28.6	0	0	0	8.6E1	0.831
17969	10192	Sisma X SLO	15.2	0	0	0	8.6E1	0.831
17971	10192	Sisma X SLD	12.6	0	0	0	8.6E1	0.831
17973	10193	Sisma X SLV	36.2	0	0	0	1.1E2	0.831
17975	10193	Sisma X SLO	19.3	0	0	0	1.1E2	0.831
17977	10193	Sisma X SLD	16	0	0	0	1.1E2	0.831
17979	10194	Sisma X SLV	18	0	0	0	54.34	0.831
17981	10194	Sisma X SLO	9.6	0	0	0	54.34	0.831
17983	10194	Sisma X SLD	8	0	0	0	54.34	0.831
17985	10195	Sisma X SLV	18	0	0	0	54.34	0.831
17987	10195	Sisma X SLO	9.6	0	0	0	54.34	0.831
17989	10195	Sisma X SLD	8	0	0	0	54.34	0.831
17991	10196	Sisma X SLV	18	0	0	0	54.34	0.831
17993	10196	Sisma X SLO	9.6	0	0	0	54.34	0.831
17995	10196	Sisma X SLD	8	0	0	0	54.34	0.831
17997	10197	Sisma X SLV	30.1	0	0	0	90.76	0.831
17999	10197	Sisma X SLO	16.1	0	0	0	90.76	0.831
18001	10197	Sisma X SLD	13.3	0	0	0	90.76	0.831
18003	10198	Sisma X SLV	38.3	0	0	0	1.2E2	0.831
18005	10198	Sisma X SLO	20.4	0	0	0	1.2E2	0.831
18007	10198	Sisma X SLD	16.9	0	0	0	1.2E2	0.831
18009	10199	Sisma X SLV	18	0	0	0	54.34	0.831
18011	10199	Sisma X SLO	9.6	0	0	0	54.34	0.831
18013	10199	Sisma X SLD	8	0	0	0	54.34	0.831
18015	10200	Sisma X SLV	18	0	0	0	54.34	0.831
18017	10200	Sisma X SLO	9.6	0	0	0	54.34	0.831
18019	10200	Sisma X SLD	8	0	0	0	54.34	0.831
18021	10201	Sisma X SLV	18	0	0	0	54.34	0.831
18023	10201	Sisma X SLO	9.6	0	0	0	54.34	0.831
18025	10201	Sisma X SLD	8	0	0	0	54.34	0.831
18027	10202	Sisma X SLV	28.6	0	0	0	8.6E1	0.831
18029	10202	Sisma X SLO	15.3	0	0	0	8.6E1	0.831
18031	10202	Sisma X SLD	12.7	0	0	0	8.6E1	0.831
18033	10203	Sisma X SLV	33.7	0	0	0	1.0E2	0.831
18035	10203	Sisma X SLO	18	0	0	0	1.0E2	0.831
18037	10203	Sisma X SLD	14.9	0	0	0	1.0E2	0.831
18039	10204	Sisma X SLV	24.1	0	0	0	7.2E1	0.831
18041	10204	Sisma X SLO	12.8	0	0	0	7.2E1	0.831
18043	10204	Sisma X SLD	10.6	0	0	0	7.2E1	0.831
18045	10205	Sisma X SLV	24.1	0	0	0	7.2E1	0.831
18047	10205	Sisma X SLO	12.8	0	0	0	7.2E1	0.831
18049	10205	Sisma X SLD	10.6	0	0	0	7.2E1	0.831
18051	10206	Sisma X SLV	35.1	0	0	0	1.1E2	0.831
18053	10206	Sisma X SLO	18.7	0	0	0	1.1E2	0.831
18055	10206	Sisma X SLD	15.5	0	0	0	1.1E2	0.831
18057	10207	Sisma X SLV	40.3	0	0	0	1.2E2	0.831
18059	10207	Sisma X SLO	21.5	0	0	0	1.2E2	0.831
18061	10207	Sisma X SLD	17.8	0	0	0	1.2E2	0.831
18063	10208	Sisma X SLV	24.1	0	0	0	7.2E1	0.831
18065	10208	Sisma X SLO	12.8	0	0	0	7.2E1	0.831
18067	10208	Sisma X SLD	10.6	0	0	0	7.2E1	0.831
18069	10209	Sisma X SLV	24.1	0	0	0	7.2E1	0.831
18071	10209	Sisma X SLO	12.8	0	0	0	7.2E1	0.831
18073	10209	Sisma X SLD	10.6	0	0	0	7.2E1	0.831
18075	10210	Sisma X SLV	32.7	0	0	0	9.8E1	0.831
18077	10210	Sisma X SLO	17.4	0	0	0	9.8E1	0.831
18079	10210	Sisma X SLD	14.5	0	0	0	9.8E1	0.831
18081	10211	Sisma X SLV	31.3	0	0	0	9.4E1	0.831
18083	10211	Sisma X SLO	16.7	0	0	0	9.4E1	0.831
18085	10211	Sisma X SLD	13.8	0	0	0	9.4E1	0.831
18087	10212	Sisma X SLV	18	0	0	0	54.34	0.831
18089	10212	Sisma X SLO	9.6	0	0	0	54.34	0.831
18091	10212	Sisma X SLD	8	0	0	0	54.34	0.831
18093	10213	Sisma X SLV	18	0	0	0	54.34	0.831
18095	10213	Sisma X SLO	9.6	0	0	0	54.34	0.831
18097	10213	Sisma X SLD	8	0	0	0	54.34	0.831
18099	10214	Sisma X SLV	18	0	0	0	54.34	0.831
18101	10214	Sisma X SLO	9.6	0	0	0	54.34	0.831
18103	10214	Sisma X SLD	8	0	0	0	54.34	0.831
18105	10215	Sisma X SLV	36.1	0	0	0	1.1E2	0.831
18107	10215	Sisma X SLO	19.3	0	0	0	1.1E2	0.831
18109	10215	Sisma X SLD	16	0	0	0	1.1E2	0.831
18111	10216	Sisma X SLV	34.7	0	0	0	1.0E2	0.831

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
17914	10183	Sisma Y SLV	0	36.9	0	0	1.1E2	0.831
17916	10183	Sisma Y SLO	0	19.7	0	0	1.1E2	0.831
17918	10183	Sisma Y SLD	0	16.3	0	0	1.1E2	0.831
17920	10184	Sisma Y SLV	0	18	0	0	54.34	0.831
17922	10184	Sisma Y SLO	0	9.6	0	0	54.34	0.831
17924	10184	Sisma Y SLD	0	8	0	0	54.34	0.831
17926	10185	Sisma Y SLV	0	18	0	0	54.34	0.831
17928	10185	Sisma Y SLO	0	9.6	0	0	54.34	0.831
17930	10185	Sisma Y SLD	0	8	0	0	54.34	0.831
17932	10186	Sisma Y SLV	0	18	0	0	54.34	0.831
17934	10186	Sisma Y SLO	0	9.6	0	0	54.34	0.831
17936	10186	Sisma Y SLD	0	8	0	0	54.34	0.831
17938	10187	Sisma Y SLV	0	27.4	0	0	8.2E1	0.831
17940	10187	Sisma Y SLO	0	14.6	0	0	8.2E1	0.831
17942	10187	Sisma Y SLD	0	12.1	0	0	8.2E1	0.831
17944	10188	Sisma Y SLV	0	34.6	0	0	1.0E2	0.831
17946	10188	Sisma Y SLO	0	18.4	0	0	1.0E2	0.831
17948	10188	Sisma Y SLD	0	15.3	0	0	1.0E2	0.831
17950	10189	Sisma Y SLV	0	19.4	0	0	58.52	0.831
17952	10189	Sisma Y SLO	0	10.4	0	0	58.52	0.831
17954	10189	Sisma Y SLD	0	8.6	0	0	58.52	0.831
17956	10190	Sisma Y SLV	0	19.4	0	0	58.52	0.831
17958	10190	Sisma Y SLO	0	10.4	0	0	58.52	0.831
17960	10190	Sisma Y SLD	0	8.6	0	0	58.52	0.831
17962	10191	Sisma Y SLV	0	19.4	0	0	58.52	0.831
17964	10191	Sisma Y SLO	0	10.4	0	0	58.52	0.831
17966	10191	Sisma Y SLD	0	8.6	0	0	58.52	0.831
17968	10192	Sisma Y SLV	0	28.6	0	0	8.6E1	0.831
17970	10192	Sisma Y SLO	0	15.2	0	0	8.6E1	0.831
17972	10192	Sisma Y SLD	0	12.6	0	0	8.6E1	0.831
17974	10193	Sisma Y SLV	0	36.2	0	0	1.1E2	0.831
17976	10193	Sisma Y SLO	0	19.3	0	0	1.1E2	0.831
17978	10193	Sisma Y SLD	0	16	0	0	1.1E2	0.831
17980	10194	Sisma Y SLV	0	18	0	0	54.34	0.831
17982	10194	Sisma Y SLO	0	9.6	0	0	54.34	0.831
17984	10194	Sisma Y SLD	0	8	0	0	54.34	0.831
17986	10195	Sisma Y SLV	0	18	0	0	54.34	0.831
17988	10195	Sisma Y SLO	0	9.6	0	0	54.34	0.831
17990	10195	Sisma Y SLD	0	8	0	0	54.34	0.831
17992	10196	Sisma Y SLV	0	18	0	0	54.34	0.831
17994	10196	Sisma Y SLO	0	9.6	0	0	54.34	0.831
17996	10196	Sisma Y SLD	0	8	0	0	54.34	0.831
17998	10197	Sisma Y SLV	0	30.1	0	0	90.76	0.831
18000	10197	Sisma Y SLO	0	16.1	0	0	90.76	0.831
18002	10197	Sisma Y SLD	0	13.3	0	0	90.76	0.831
18004	10198	Sisma Y SLV	0	38.3	0	0	1.2E2	0.831
18006	10198	Sisma Y SLO	0	20.4	0	0	1.2E2	0.831
18008	10198	Sisma Y SLD	0	16.9	0	0	1.2E2	0.831
18010	10199	Sisma Y SLV	0	18	0	0	54.34	0.831
18012	10199	Sisma Y SLO	0	9.6	0	0	54.34	0.831
18014	10199	Sisma Y SLD	0	8	0	0	54.34	0.831
18016	10200	Sisma Y SLV	0	18	0	0	54.34	0.831
18018	10200	Sisma Y SLO	0	9.6	0	0	54.34	0.831
18020	10200	Sisma Y SLD	0	8	0	0	54.34	0.831
18022	10201	Sisma Y SLV	0	18	0	0	54.34	0.831
18024	10201	Sisma Y SLO	0	9.6	0	0	54.34	0.831
18026	10201	Sisma Y SLD	0	8	0	0	54.34	0.831
18028	10202	Sisma Y SLV	0	28.6	0	0	8.6E1	0.831
18030	10202	Sisma Y SLO	0	15.3	0	0	8.6E1	0.831
18032	10202	Sisma Y SLD	0	12.7	0	0	8.6E1	0.831
18034	10203	Sisma Y SLV	0	33.7	0	0	1.0E2	0.831
18036	10203	Sisma Y SLO	0	18	0	0	1.0E2	0.831
18038	10203	Sisma Y SLD	0	14.9	0	0	1.0E2	0.831
18040	10204	Sisma Y SLV	0	24.1	0	0	7.2E1	0.831
18042	10204	Sisma Y SLO	0	12.8	0	0	7.2E1	0.831
18044	10204	Sisma Y SLD	0	10.6	0	0	7.2E1	0.831
18046	10205	Sisma Y SLV	0	24.1	0	0	7.2E1	0.831
18048	10205	Sisma Y SLO	0	12.8	0	0	7.2E1	0.831
18050	10205	Sisma Y SLD	0	10.6	0	0	7.2E1	0.831
18052	10206	Sisma Y SLV	0	35.1	0	0	1.1E2	0.831
18054	10206	Sisma Y SLO	0	18.7	0	0	1.1E2	0.831
18056	10206	Sisma Y SLD	0	15.5	0	0	1.1E2	0.831
18058	10207	Sisma Y SLV	0	40.3	0	0	1.2E2	0.831
18060	10207	Sisma Y SLO	0	21.5	0	0	1.2E2	0.831
18062	10207	Sisma Y SLD	0	17.8	0	0	1.2E2	0.831
18064	10208	Sisma Y SLV	0	24.1	0	0	7.2E1	0.831
18066	10208	Sisma Y SLO	0	12.8	0	0	7.2E1	0.831
18068	10208	Sisma Y SLD	0	10.6	0	0	7.2E1	0.831
18070	10209	Sisma Y SLV	0	24.1	0	0	7.2E1	0.831
18072	10209	Sisma Y SLO	0	12.8	0	0	7.2E1	0.831
18074	10209	Sisma Y SLD	0	10.6	0	0	7.2E1	0.831
18076	10210	Sisma Y SLV	0	32.7	0	0	9.8E1	0.831
18078	10210	Sisma Y SLO	0	17.4	0	0	9.8E1	0.831
18080	10210	Sisma Y SLD	0	14.5	0	0	9.8E1	0.831
18082	10211	Sisma Y SLV	0	31.3	0	0	9.4E1	0.831
18084	10211	Sisma Y SLO	0	16.7	0	0	9.4E1	0.831
18086	10211	Sisma Y SLD	0	13.8	0	0	9.4E1	0.831
18088	10212	Sisma Y SLV	0	18	0	0	54.34	0.831
18090	10212	Sisma Y SLO	0	9.6	0	0	54.34	0.831
18092	10212	Sisma Y SLD	0	8	0	0	54.34	0.831
18094	10213	Sisma Y SLV	0	18	0	0	54.34	0.831
18096	10213	Sisma Y SLO	0	9.6	0	0	54.34	0.831
18098	10213	Sisma Y SLD	0	8	0	0	54.34	0.831
18100	10214	Sisma Y SLV	0	18	0	0	54.34	0.831
18102	10214	Sisma Y SLO	0	9.6	0	0	54.34	0.831
18104	10214	Sisma Y SLD	0	8	0	0	54.34	0.831
18106	10215	Sisma Y SLV	0	36.1	0	0	1.1E2	0.831
18108	10215	Sisma Y SLO	0	19.3	0	0	1.1E2	0.831
18110	10215	Sisma Y SLD	0	16	0	0	1.1E2	0.831
18112	10216	Sisma Y SLV	0	34.7	0	0	1.0E2	0.831

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
18113	10216	Sisma X SLO	18.5	0	0	0	1.0E2	0.831	18114	10216	Sisma Y SLO	0	18.5	0	0	1.0E2	0.831
18115	10216	Sisma X SLD	15.4	0	0	0	1.0E2	0.831	18116	10216	Sisma Y SLD	0	15.4	0	0	1.0E2	0.831
18117	10217	Sisma X SLV	19.4	0	0	0	58.52	0.831	18118	10217	Sisma Y SLV	0	19.4	0	0	58.52	0.831
18119	10217	Sisma X SLO	10.4	0	0	0	58.52	0.831	18120	10217	Sisma Y SLO	0	10.4	0	0	58.52	0.831
18121	10217	Sisma X SLD	8.6	0	0	0	58.52	0.831	18122	10217	Sisma Y SLD	0	8.6	0	0	58.52	0.831
18123	10218	Sisma X SLV	19.4	0	0	0	58.52	0.831	18124	10218	Sisma Y SLV	0	19.4	0	0	58.52	0.831
18125	10218	Sisma X SLO	10.4	0	0	0	58.52	0.831	18126	10218	Sisma Y SLO	0	10.4	0	0	58.52	0.831
18127	10218	Sisma X SLD	8.6	0	0	0	58.52	0.831	18128	10218	Sisma Y SLD	0	8.6	0	0	58.52	0.831
18129	10219	Sisma X SLV	19.4	0	0	0	58.52	0.831	18130	10219	Sisma Y SLV	0	19.4	0	0	58.52	0.831
18131	10219	Sisma X SLO	10.4	0	0	0	58.52	0.831	18132	10219	Sisma Y SLO	0	10.4	0	0	58.52	0.831
18133	10219	Sisma X SLD	8.6	0	0	0	58.52	0.831	18134	10219	Sisma Y SLD	0	8.6	0	0	58.52	0.831
18135	10220	Sisma X SLV	40.6	0	0	0	1.2E2	0.831	18136	10220	Sisma Y SLV	0	40.6	0	0	1.2E2	0.831
18137	10220	Sisma X SLO	21.6	0	0	0	1.2E2	0.831	18138	10220	Sisma Y SLO	0	21.6	0	0	1.2E2	0.831
18139	10220	Sisma X SLD	18	0	0	0	1.2E2	0.831	18140	10220	Sisma Y SLD	0	18	0	0	1.2E2	0.831
18141	10221	Sisma X SLV	39.9	0	0	0	1.2E2	0.831	18142	10221	Sisma Y SLV	0	39.9	0	0	1.2E2	0.831
18143	10221	Sisma X SLO	21.3	0	0	0	1.2E2	0.831	18144	10221	Sisma Y SLO	0	21.3	0	0	1.2E2	0.831
18145	10221	Sisma X SLD	17.7	0	0	0	1.2E2	0.831	18146	10221	Sisma Y SLD	0	17.7	0	0	1.2E2	0.831
18147	10222	Sisma X SLV	18	0	0	0	54.34	0.831	18148	10222	Sisma Y SLV	0	18	0	0	54.34	0.831
18149	10222	Sisma X SLO	9.6	0	0	0	54.34	0.831	18150	10222	Sisma Y SLO	0	9.6	0	0	54.34	0.831
18151	10222	Sisma X SLD	8	0	0	0	54.34	0.831	18152	10222	Sisma Y SLD	0	8	0	0	54.34	0.831
18153	10223	Sisma X SLV	18	0	0	0	54.34	0.831	18154	10223	Sisma Y SLV	0	18	0	0	54.34	0.831
18155	10223	Sisma X SLO	9.6	0	0	0	54.34	0.831	18156	10223	Sisma Y SLO	0	9.6	0	0	54.34	0.831
18157	10223	Sisma X SLD	8	0	0	0	54.34	0.831	18158	10223	Sisma Y SLD	0	8	0	0	54.34	0.831
18159	10224	Sisma X SLV	18	0	0	0	54.34	0.831	18160	10224	Sisma Y SLV	0	18	0	0	54.34	0.831
18161	10224	Sisma X SLO	9.6	0	0	0	54.34	0.831	18162	10224	Sisma Y SLO	0	9.6	0	0	54.34	0.831
18163	10224	Sisma X SLD	8	0	0	0	54.34	0.831	18164	10224	Sisma Y SLD	0	8	0	0	54.34	0.831
18165	10225	Sisma X SLV	31	0	0	0	9.3E1	0.831	18166	10225	Sisma Y SLV	0	31	0	0	9.3E1	0.831
18167	10225	Sisma X SLO	16.5	0	0	0	9.3E1	0.831	18168	10225	Sisma Y SLO	0	16.5	0	0	9.3E1	0.831
18169	10225	Sisma X SLD	13.7	0	0	0	9.3E1	0.831	18170	10225	Sisma Y SLD	0	13.7	0	0	9.3E1	0.831
18171	10226	Sisma X SLV	32.3	0	0	0	9.7E1	0.831	18172	10226	Sisma Y SLV	0	32.3	0	0	9.7E1	0.831
18173	10226	Sisma X SLO	17.2	0	0	0	9.7E1	0.831	18174	10226	Sisma Y SLO	0	17.2	0	0	9.7E1	0.831
18175	10226	Sisma X SLD	14.3	0	0	0	9.7E1	0.831	18176	10226	Sisma Y SLD	0	14.3	0	0	9.7E1	0.831
18177	10227	Sisma X SLV	24.1	0	0	0	7.2E1	0.831	18178	10227	Sisma Y SLV	0	24.1	0	0	7.2E1	0.831
18179	10227	Sisma X SLO	12.8	0	0	0	7.2E1	0.831	18180	10227	Sisma Y SLO	0	12.8	0	0	7.2E1	0.831
18181	10227	Sisma X SLD	10.6	0	0	0	7.2E1	0.831	18182	10227	Sisma Y SLD	0	10.6	0	0	7.2E1	0.831
18183	10228	Sisma X SLV	24.1	0	0	0	7.2E1	0.831	18184	10228	Sisma Y SLV	0	24.1	0	0	7.2E1	0.831
18185	10228	Sisma X SLO	12.8	0	0	0	7.2E1	0.831	18186	10228	Sisma Y SLO	0	12.8	0	0	7.2E1	0.831
18187	10228	Sisma X SLD	10.6	0	0	0	7.2E1	0.831	18188	10228	Sisma Y SLD	0	10.6	0	0	7.2E1	0.831
18189	10229	Sisma X SLV	37.7	0	0	0	1.1E2	0.831	18190	10229	Sisma Y SLV	0	37.7	0	0	1.1E2	0.831
18191	10229	Sisma X SLO	20.1	0	0	0	1.1E2	0.831	18192	10229	Sisma Y SLO	0	20.1	0	0	1.1E2	0.831
18193	10229	Sisma X SLD	16.7	0	0	0	1.1E2	0.831	18194	10229	Sisma Y SLD	0	16.7	0	0	1.1E2	0.831
18195	10230	Sisma X SLV	34	0	0	0	1.0E2	0.831	18196	10230	Sisma Y SLV	0	34	0	0	1.0E2	0.831
18197	10230	Sisma X SLO	18.1	0	0	0	1.0E2	0.831	18198	10230	Sisma Y SLO	0	18.1	0	0	1.0E2	0.831
18199	10230	Sisma X SLD	15	0	0	0	1.0E2	0.831	18200	10230	Sisma Y SLD	0	15	0	0	1.0E2	0.831
18201	10231	Sisma X SLV	19.4	0	0	0	58.52	0.831	18202	10231	Sisma Y SLV	0	19.4	0	0	58.52	0.831
18203	10231	Sisma X SLO	10.4	0	0	0	58.52	0.831	18204	10231	Sisma Y SLO	0	10.4	0	0	58.52	0.831
18205	10231	Sisma X SLD	8.6	0	0	0	58.52	0.831	18206	10231	Sisma Y SLD	0	8.6	0	0	58.52	0.831
18207	10232	Sisma X SLV	19.4	0	0	0	58.52	0.831	18208	10232	Sisma Y SLV	0	19.4	0	0	58.52	0.831
18209	10232	Sisma X SLO	10.4	0	0	0	58.52	0.831	18210	10232	Sisma Y SLO	0	10.4	0	0	58.52	0.831
18211	10232	Sisma X SLD	8.6	0	0	0	58.52	0.831	18212	10232	Sisma Y SLD	0	8.6	0	0	58.52	0.831
18213	10233	Sisma X SLV	19.4	0	0	0	58.52	0.831	18214	10233	Sisma Y SLV	0	19.4	0	0	58.52	0.831
18215	10233	Sisma X SLO	10.4	0	0	0	58.52	0.831	18216	10233	Sisma Y SLO	0	10.4	0	0	58.52	0.831
18217	10233	Sisma X SLD	8.6	0	0	0	58.52	0.831	18218	10233	Sisma Y SLD	0	8.6	0	0	58.52	0.831
18219	10234	Sisma X SLV	40	0	0	0	1.2E2	0.831	18220	10234	Sisma Y SLV	0	40	0	0	1.2E2	0.831
18221	10234	Sisma X SLO	21.3	0	0	0	1.2E2	0.831	18222	10234	Sisma Y SLO	0	21.3	0	0	1.2E2	0.831
18223	10234	Sisma X SLD	17.7	0	0	0	1.2E2	0.831	18224	10234	Sisma Y SLD	0	17.7	0	0	1.2E2	0.831
18225	10235	Sisma X SLV	36.5	0	0	0	1.1E2	0.831	18226	10235	Sisma Y SLV	0	36.5	0	0	1.1E2	0.831
18227	10235	Sisma X SLO	19.5	0	0	0	1.1E2	0.831	18228	10235	Sisma Y SLO	0	19.5	0	0	1.1E2	0.831
18229	10235	Sisma X SLD	16.2	0	0	0	1.1E2	0.831	18230	10235	Sisma Y SLD	0	16.2	0	0	1.1E2	0.831
18231	10236	Sisma X SLV	24.1	0	0	0	7.2E1	0.831	18232	10236	Sisma Y SLV	0	24.1	0	0	7.2E1	0.831
18233	10236	Sisma X SLO	12.8	0	0	0	7.2E1	0.831	18234	10236	Sisma Y SLO	0	12.8	0	0	7.2E1	0.831
18235	10236	Sisma X SLD	10.6	0	0	0	7.2E1	0.831	18236	10236	Sisma Y SLD	0	10.6	0	0	7.2E1	0.831
18237	10237	Sisma X SLV	24.1	0	0	0	7.2E1	0.831	18238	10237	Sisma Y SLV	0	24.1	0	0	7.2E1	0.831
18239	10237	Sisma X SLO	12.8	0	0	0	7.2E1	0.831	18240	10237	Sisma Y SLO	0	12.8	0	0	7.2E1	0.831
18241	10237	Sisma X SLD	10.6	0	0	0	7.2E1	0.831	18242	10237	Sisma Y SLD	0	10.6	0	0	7.2E1	0.831
18243	10238	Sisma X SLV	33.5	0	0	0	1.0E2	0.831	18244	10238	Sisma Y SLV	0	33.5	0	0	1.0E2	0.831
18245	10238	Sisma X SLO	17.9	0	0	0	1.0E2	0.831	18246	10238	Sisma Y SLO	0	17.9	0	0	1.0E2	0.831
18247	10238	Sisma X SLD	14.8	0	0	0	1.0E2	0.831	18248	10238	Sisma Y SLD	0	14.8	0	0	1.0E2	0.831
18249	10239	Sisma X SLV	33.6	0	0	0	1.0E2	0.831	18250	10239	Sisma Y SLV	0	33.6	0	0	1.0E2	0.831
18251	10239	Sisma X SLO	17.9	0	0	0	1.0E2	0.831	18252	10239	Sisma Y SLO	0	17.9	0	0	1.0E2	0.831
18253	10239	Sisma X SLD	14.9	0	0	0	1.0E2	0.831	18254	10239	Sisma Y SLD	0	14.9	0	0	1.0E2	0.831
18255	10240	Sisma X SLV	18	0	0	0	54.34	0.831	18256	10240	Sisma Y SLV	0	18	0	0	54.34	0.831
18257	10240	Sisma X SLO	9.6	0	0	0	54.34	0.831	18258	10240	Sisma Y SLO	0	9.6	0	0	54.34	0.831
18259	10240	Sisma X SLD	8	0	0	0	54.34	0.831	18260	10240	Sisma Y SLD	0	8	0	0	54.34	0.831
18261	10241	Sisma X SLV	18	0	0	0	54.34	0.831	18262	10241	Sisma Y SLV	0	18	0	0	54.34	0.831
18263	10241	Sisma X SLO	9.6	0	0	0	54.34	0.831	18264	10241	Sisma Y SLO	0	9.6	0	0	54.34	0.831
18265	10241	Sisma X SLD	8	0	0	0	54.34	0.831	18266	10241	Sisma Y SLD	0	8	0	0	54.34	0.831
18267	10242	Sisma X SLV	18	0	0	0	54.34	0.831	18268	10242	Sisma Y SLV	0	18	0	0	54.34	0.831
18269	10242	Sisma X SLO	9.6	0	0	0	54.34	0.831	18270	10242	Sisma Y SLO	0	9.6	0	0	54.34	0.831
18271	10242	Sisma X SLD	8	0	0	0	54.34	0.831	18272	10242	Sisma Y SLD	0	8	0	0	54.34	0.831
18273	10243	Sisma X SLV	38.9	0	0	0	1.2E2	0.831	18274	10243	Sisma Y SLV	0	38.9	0	0	1.2E2	0.831
18275	10243	Sisma X SLO	20.7	0	0	0	1.2E2	0.831	18276	10243	Sisma Y SLO	0	20.7	0	0	1.2E2	0.831
18277	10243	Sisma X SLD	17.2	0	0	0	1.2E2	0.831	18278	10243	Sisma Y SLD	0	17.2	0	0	1.2E2	0.831
18279	10244	Sisma X SLV	38	0	0	0	1.1E2	0.831	18280	10244	Sisma Y SLV	0	38	0	0	1.1E2	0.831
18281	10244	Sisma X SLO	20.3	0	0	0	1.1E2	0.831	18282	10244	Sisma Y SLO	0	20.3	0	0	1.1E2	0.831
18283	10244	Sisma X SLD	16.8	0	0	0	1.1E2	0.831	18284	10244	Sisma Y SLD	0	16.8	0	0	1.1E2	0.831
18285	10245	Sisma X SLV	19.4	0	0	0	58.52	0.831	18286	10245	Sisma Y SLV	0	19.4	0	0	58.52	0.831
18287	10245	Sisma X SLO	10.4	0	0	0	58.52	0.831	18288	10245	Sisma Y SLO	0	10.4	0	0	58.52	0.831
18289	10245	Sisma X SLD	8.6	0	0	0	58.52	0.831	18290	10245	Sisma Y SLD	0	8.6	0	0	58.52	0.831
18291	10246	Sisma X SLV	19.4	0	0	0	58.52	0.831	18292	10246	Sisma Y SLV	0	19.4	0	0	58.52	0.831
18293	10246	Sisma X SLO	10.4	0	0	0	58.52	0.831	18294	10246	Sisma Y SLO	0	10.4	0	0	58.52	0.831
18295	10246	Sisma X SLD	8.6	0	0	0	58.52	0.831	18296	10246	Sisma Y SLD	0	8.6	0	0	58.52	0.831
18297	10247	Sisma X SLV	19.4	0	0	0	58.52	0.831	18298	10247	Sisma Y SLV	0	19.4	0	0	58.52	0.831
18299	10247	Sisma X SLO	10.4	0	0	0	58.52	0.831	18300	10247	Sisma Y SLO	0	10.4	0	0	58.52	0.831
18301	10247	Sisma X SLD	8.6	0	0	0	58.52	0.831	18302	10247	Sisma Y SLD	0	8.6	0	0	58.52	0.831
18303	10248	Sisma X SLV	33.4	0	0	0	1.0E2	0.831	18304	10248	Sisma Y SLV	0	33.4	0	0	1.0E2	0.831
18305	10248	Sisma X SLO	17.8	0	0	0	1.0E2	0.831	18306	10248	Sisma Y SLO	0	17.8	0	0	1.0E2	0.831
18307	10248	Sisma X SLD	14.8	0	0	0	1.0E2	0.831	18308	10248	Sisma Y SLD	0	14.8	0	0	1.0E2	0.831
18309	10249	Sisma X SLV	34.5	0	0	0	1.0E2	0.831	18310	10249	Sisma Y SLV	0	34.5	0	0	1.0E2	0.831
18311	10249	Sisma X SLO	18.4	0	0	0	1.0E2	0.831	18312	10249	Sisma Y SLO	0	18.4	0	0	1.0E2	0.831

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
18313	10249	Sisma X SLD	15.3	0	0	0	1.0E2	0.831	18314	10249	Sisma Y SLD	0	15.3	0	0	1.0E2	0.831
18315	10250	Sisma X SLV	24.1	0	0	0	7.2E1	0.831	18316	10250	Sisma Y SLV	0	24.1	0	0	7.2E1	0.831
18317	10250	Sisma X SLO	12.8	0	0	0	7.2E1	0.831	18318	10250	Sisma Y SLO	0	12.8	0	0	7.2E1	0.831
18319	10250	Sisma X SLD	10.6	0	0	0	7.2E1	0.831	18320	10250	Sisma Y SLD	0	10.6	0	0	7.2E1	0.831
18321	10251	Sisma X SLV	24.1	0	0	0	7.2E1	0.831	18322	10251	Sisma Y SLV	0	24.1	0	0	7.2E1	0.831
18323	10251	Sisma X SLO	12.8	0	0	0	7.2E1	0.831	18324	10251	Sisma Y SLO	0	12.8	0	0	7.2E1	0.831
18325	10251	Sisma X SLD	10.6	0	0	0	7.2E1	0.831	18326	10251	Sisma Y SLD	0	10.6	0	0	7.2E1	0.831
18327	10252	Sisma X SLV	33.8	0	0	0	1.0E2	0.831	18328	10252	Sisma Y SLV	0	33.8	0	0	1.0E2	0.831
18329	10252	Sisma X SLO	18	0	0	0	1.0E2	0.831	18330	10252	Sisma Y SLO	0	18	0	0	1.0E2	0.831
18331	10252	Sisma X SLD	15	0	0	0	1.0E2	0.831	18332	10252	Sisma Y SLD	0	15	0	0	1.0E2	0.831
18333	10253	Sisma X SLV	33.2	0	0	0	1.0E2	0.831	18334	10253	Sisma Y SLV	0	33.2	0	0	1.0E2	0.831
18335	10253	Sisma X SLO	17.7	0	0	0	1.0E2	0.831	18336	10253	Sisma Y SLO	0	17.7	0	0	1.0E2	0.831
18337	10253	Sisma X SLD	14.7	0	0	0	1.0E2	0.831	18338	10253	Sisma Y SLD	0	14.7	0	0	1.0E2	0.831
18339	10254	Sisma X SLV	19.4	0	0	0	58.52	0.831	18340	10254	Sisma Y SLV	0	19.4	0	0	58.52	0.831
18341	10254	Sisma X SLO	10.4	0	0	0	58.52	0.831	18342	10254	Sisma Y SLO	0	10.4	0	0	58.52	0.831
18343	10254	Sisma X SLD	8.6	0	0	0	58.52	0.831	18344	10254	Sisma Y SLD	0	8.6	0	0	58.52	0.831
18345	10255	Sisma X SLV	19.4	0	0	0	58.52	0.831	18346	10255	Sisma Y SLV	0	19.4	0	0	58.52	0.831
18347	10255	Sisma X SLO	10.4	0	0	0	58.52	0.831	18348	10255	Sisma Y SLO	0	10.4	0	0	58.52	0.831
18349	10255	Sisma X SLD	8.6	0	0	0	58.52	0.831	18350	10255	Sisma Y SLD	0	8.6	0	0	58.52	0.831
18351	10256	Sisma X SLV	19.4	0	0	0	58.52	0.831	18352	10256	Sisma Y SLV	0	19.4	0	0	58.52	0.831
18353	10256	Sisma X SLO	10.4	0	0	0	58.52	0.831	18354	10256	Sisma Y SLO	0	10.4	0	0	58.52	0.831
18355	10256	Sisma X SLD	8.6	0	0	0	58.52	0.831	18356	10256	Sisma Y SLD	0	8.6	0	0	58.52	0.831
18357	10257	Sisma X SLV	36.2	0	0	0	1.1E2	0.831	18358	10257	Sisma Y SLV	0	36.2	0	0	1.1E2	0.831
18359	10257	Sisma X SLO	19.3	0	0	0	1.1E2	0.831	18360	10257	Sisma Y SLO	0	19.3	0	0	1.1E2	0.831
18361	10257	Sisma X SLD	16	0	0	0	1.1E2	0.831	18362	10257	Sisma Y SLD	0	16	0	0	1.1E2	0.831
18363	10258	Sisma X SLV	42.8	0	0	0	1.3E2	0.835	18364	10258	Sisma Y SLV	0	42.8	0	0	1.3E2	0.835
18365	10258	Sisma X SLO	22.8	0	0	0	1.3E2	0.835	18366	10258	Sisma Y SLO	0	22.8	0	0	1.3E2	0.835
18367	10258	Sisma X SLD	19	0	0	0	1.3E2	0.835	18368	10258	Sisma Y SLD	0	19	0	0	1.3E2	0.835
18369	10259	Sisma X SLV	43.4	0	0	0	1.3E2	0.835	18370	10259	Sisma Y SLV	0	43.4	0	0	1.3E2	0.835
18371	10259	Sisma X SLO	23.1	0	0	0	1.3E2	0.835	18372	10259	Sisma Y SLO	0	23.1	0	0	1.3E2	0.835
18373	10259	Sisma X SLD	19.2	0	0	0	1.3E2	0.835	18374	10259	Sisma Y SLD	0	19.2	0	0	1.3E2	0.835
18375	10260	Sisma X SLV	44.6	0	0	0	1.3E2	0.835	18376	10260	Sisma Y SLV	0	44.6	0	0	1.3E2	0.835
18377	10260	Sisma X SLO	23.8	0	0	0	1.3E2	0.835	18378	10260	Sisma Y SLO	0	23.8	0	0	1.3E2	0.835
18379	10260	Sisma X SLD	19.7	0	0	0	1.3E2	0.835	18380	10260	Sisma Y SLD	0	19.7	0	0	1.3E2	0.835
18381	10261	Sisma X SLV	46.7	0	0	0	1.4E2	0.836	18382	10261	Sisma Y SLV	0	46.7	0	0	1.4E2	0.836
18383	10261	Sisma X SLO	24.9	0	0	0	1.4E2	0.836	18384	10261	Sisma Y SLO	0	24.9	0	0	1.4E2	0.836
18385	10261	Sisma X SLD	20.7	0	0	0	1.4E2	0.836	18386	10261	Sisma Y SLD	0	20.7	0	0	1.4E2	0.836
18387	10262	Sisma X SLV	47.6	0	0	0	1.4E2	0.836	18388	10262	Sisma Y SLV	0	47.6	0	0	1.4E2	0.836
18389	10262	Sisma X SLO	25.4	0	0	0	1.4E2	0.836	18390	10262	Sisma Y SLO	0	25.4	0	0	1.4E2	0.836
18391	10262	Sisma X SLD	21.1	0	0	0	1.4E2	0.836	18392	10262	Sisma Y SLD	0	21.1	0	0	1.4E2	0.836
18393	10263	Sisma X SLV	51.8	0	0	0	1.6E2	0.836	18394	10263	Sisma Y SLV	0	51.8	0	0	1.6E2	0.836
18395	10263	Sisma X SLO	27.6	0	0	0	1.6E2	0.836	18396	10263	Sisma Y SLO	0	27.6	0	0	1.6E2	0.836
18397	10263	Sisma X SLD	22.9	0	0	0	1.6E2	0.836	18398	10263	Sisma Y SLD	0	22.9	0	0	1.6E2	0.836
18399	10264	Sisma X SLV	42.8	0	0	0	1.3E2	0.836	18400	10264	Sisma Y SLV	0	42.8	0	0	1.3E2	0.836
18401	10264	Sisma X SLO	22.8	0	0	0	1.3E2	0.836	18402	10264	Sisma Y SLO	0	22.8	0	0	1.3E2	0.836
18403	10264	Sisma X SLD	19	0	0	0	1.3E2	0.836	18404	10264	Sisma Y SLD	0	19	0	0	1.3E2	0.836
18405	10265	Sisma X SLV	43.3	0	0	0	1.3E2	0.836	18406	10265	Sisma Y SLV	0	43.3	0	0	1.3E2	0.836
18407	10265	Sisma X SLO	23.1	0	0	0	1.3E2	0.836	18408	10265	Sisma Y SLO	0	23.1	0	0	1.3E2	0.836
18409	10265	Sisma X SLD	19.2	0	0	0	1.3E2	0.836	18410	10265	Sisma Y SLD	0	19.2	0	0	1.3E2	0.836
18411	10266	Sisma X SLV	44.2	0	0	0	1.3E2	0.836	18412	10266	Sisma Y SLV	0	44.2	0	0	1.3E2	0.836
18413	10266	Sisma X SLO	23.6	0	0	0	1.3E2	0.836	18414	10266	Sisma Y SLO	0	23.6	0	0	1.3E2	0.836
18415	10266	Sisma X SLD	19.6	0	0	0	1.3E2	0.836	18416	10266	Sisma Y SLD	0	19.6	0	0	1.3E2	0.836
18417	10267	Sisma X SLV	40.8	0	0	0	1.2E2	0.837	18418	10267	Sisma Y SLV	0	40.8	0	0	1.2E2	0.837
18419	10267	Sisma X SLO	21.8	0	0	0	1.2E2	0.837	18420	10267	Sisma Y SLO	0	21.8	0	0	1.2E2	0.837
18421	10267	Sisma X SLD	18.1	0	0	0	1.2E2	0.837	18422	10267	Sisma Y SLD	0	18.1	0	0	1.2E2	0.837
18423	10268	Sisma X SLV	41.9	0	0	0	1.3E2	0.837	18424	10268	Sisma Y SLV	0	41.9	0	0	1.3E2	0.837
18425	10268	Sisma X SLO	22.3	0	0	0	1.3E2	0.837	18426	10268	Sisma Y SLO	0	22.3	0	0	1.3E2	0.837
18427	10268	Sisma X SLD	18.5	0	0	0	1.3E2	0.837	18428	10268	Sisma Y SLD	0	18.5	0	0	1.3E2	0.837
18429	10269	Sisma X SLV	46.4	0	0	0	1.4E2	0.837	18430	10269	Sisma Y SLV	0	46.4	0	0	1.4E2	0.837
18431	10269	Sisma X SLO	24.7	0	0	0	1.4E2	0.837	18432	10269	Sisma Y SLO	0	24.7	0	0	1.4E2	0.837
18433	10269	Sisma X SLD	20.5	0	0	0	1.4E2	0.837	18434	10269	Sisma Y SLD	0	20.5	0	0	1.4E2	0.837
18435	10270	Sisma X SLV	39.5	0	0	0	1.2E2	0.837	18436	10270	Sisma Y SLV	0	39.5	0	0	1.2E2	0.837
18437	10270	Sisma X SLO	21.1	0	0	0	1.2E2	0.837	18438	10270	Sisma Y SLO	0	21.1	0	0	1.2E2	0.837
18439	10270	Sisma X SLD	17.5	0	0	0	1.2E2	0.837	18440	10270	Sisma Y SLD	0	17.5	0	0	1.2E2	0.837
18441	10271	Sisma X SLV	50.4	0	0	0	1.5E2	0.837	18442	10271	Sisma Y SLV	0	50.4	0	0	1.5E2	0.837
18443	10271	Sisma X SLO	26.9	0	0	0	1.5E2	0.837	18444	10271	Sisma Y SLO	0	26.9	0	0	1.5E2	0.837
18445	10271	Sisma X SLD	22.3	0	0	0	1.5E2	0.837	18446	10271	Sisma Y SLD	0	22.3	0	0	1.5E2	0.837
18447	10272	Sisma X SLV	38.2	0	0	0	1.1E2	0.837	18448	10272	Sisma Y SLV	0	38.2	0	0	1.1E2	0.837
18449	10272	Sisma X SLO	20.4	0	0	0	1.1E2	0.837	18450	10272	Sisma Y SLO	0	20.4	0	0	1.1E2	0.837
18451	10272	Sisma X SLD	16.9	0	0	0	1.1E2	0.837	18452	10272	Sisma Y SLD	0	16.9	0	0	1.1E2	0.837
18453	10273	Sisma X SLV	45.9	0	0	0	1.4E2	0.837	18454	10273	Sisma Y SLV	0	45.9	0	0	1.4E2	0.837
18455	10273	Sisma X SLO	24.5	0	0	0	1.4E2	0.837	18456	10273	Sisma Y SLO	0	24.5	0	0	1.4E2	0.837
18457	10273	Sisma X SLD	20.3	0	0	0	1.4E2	0.837	18458	10273	Sisma Y SLD	0	20.3	0	0	1.4E2	0.837
18459	10274	Sisma X SLV	38.5	0	0	0	1.2E2	0.837	18460	10274	Sisma Y SLV	0	38.5	0	0	1.2E2	0.837
18461	10274	Sisma X SLO	20.5	0	0	0	1.2E2	0.837	18462	10274	Sisma Y SLO	0	20.5	0	0	1.2E2	0.837
18463	10274	Sisma X SLD	17.1	0	0	0	1.2E2	0.837	18464	10274	Sisma Y SLD	0	17.1	0	0	1.2E2	0.837
18465	10275	Sisma X SLV	47.2	0	0	0	1.4E2	0.837	18466	10275	Sisma Y SLV	0	47.2	0	0	1.4E2	0.837
18467	10275	Sisma X SLO	25.1	0	0	0	1.4E2	0.837	18468	10275	Sisma Y SLO	0	25.1	0	0	1.4E2	0.837
18469	10275	Sisma X SLD	20.9	0	0	0	1.4E2	0.837	18470	10275	Sisma Y SLD	0	20.9	0	0	1.4E2	0.837
18471	10276	Sisma X SLV	38.6	0	0	0	1.2E2	0.837	18472	10276	Sisma Y SLV	0	38.6	0	0	1.2E2	0.837
18473	10276	Sisma X SLO	20.6	0	0	0	1.2E2	0.837	18474	10276	Sisma Y SLO	0	20.6	0	0	1.2E2	0.837
18475	10276	Sisma X SLD	17.1	0	0	0	1.2E2	0.837	18476	10276	Sisma Y SLD	0	17.1	0	0	1.2E2	0.837
18477	10277	Sisma X SLV	43.3	0	0	0	1.3E2	0.837	18478	10277	Sisma Y SLV	0	43.3	0	0	1.3E2	0.837
18479	10277	Sisma X SLO	23.1	0	0	0	1.3E2	0.837	18480	10277	Sisma Y SLO	0	23.1	0	0	1.3E2	0.837
18481	10277	Sisma X SLD	19.2	0	0	0	1.3E2	0.837	18482	10277	Sisma Y SLD	0	19.2	0	0	1.3E2	0.837
18483	10278	Sisma X SLV	40.1	0	0	0	1.2E2	0.837	18484	10278	Sisma Y SLV	0	40.1	0	0	1.2E2	0.837
18485	10278	Sisma X SLO	21.4	0	0	0	1.2E2	0.837	18486	10278	Sisma Y SLO	0	21.4	0	0	1.2E2	0.837
18487	10278	Sisma X SLD	17.8	0	0	0	1.2E2	0.837	18488	10278	Sisma Y SLD	0	17.8	0	0	1.2E2	0.837
18489	10279	Sisma X SLV	47	0	0	0	1.4E2	0.837	18490	10279	Sisma Y SLV	0	47	0	0	1.4E2	0.837
18491	10279	Sisma X SLO	25	0	0	0	1.4E2	0.837	18492	10279	Sisma Y SLO	0	25	0	0	1.4E2	0.837
18493	10279	Sisma X SLD	20.8	0	0	0	1.4E2	0.837	18494	10279	Sisma Y SLD	0	20.8	0	0	1.4E2	0.837
18495	10280	Sisma X SLV	43.6	0	0	0	1.3E2	0.837	18496	10280	Sisma Y SLV	0	43.6	0	0	1.3E2	0.837
18497	10280	Sisma X SLO	23.2	0	0	0	1.3E2	0.837	18498	10280	Sisma Y SLO	0	23.2	0	0	1.3E2	0.837
18499	10280	Sisma X SLD	19.3	0	0	0	1.3E2	0.837	18500	10280	Sisma Y SLD	0	19.3	0	0	1.3E2	0.837
18501	10281	Sisma X SLV	46.5	0	0	0	1.4E2	0.837	18502	10281	Sisma Y SLV	0	46.5	0	0	1.4E2	0.837
18503	10281	Sisma X SLO	24.8	0	0	0	1.4E2	0.837	18504	10281	Sisma Y SLO	0	24.8	0	0	1.4E2	0.837
18505	10281	Sisma X SLD	20.6	0	0	0	1.4E2	0.837	18506	10281	Sisma Y SLD	0	20.6	0	0	1.4E2	0.837
18507	10282	Sisma X SLV	48.1	0	0	0	1.4E2	0.838	18508	10282	Sisma Y SLV	0	48.1	0	0	1.4E2	0.838
18509	10282	Sisma X SLO	25.7	0	0	0	1.4E2	0.838	18510	10282	Sisma Y SLO	0	25.7	0	0	1.4E2	0.838
18511	10282	Sisma X SLD	21.3	0	0	0	1.4E2	0.838	18512	10282	Sisma Y SLD	0	21.3	0	0	1.4E2	0.838

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
18513	10283	Sisma X SLV	46.1	0	0	0	1.4E2	0.838	18514	10283	Sisma Y SLV	0	46.1	0	0	1.4E2	0.838
18515	10283	Sisma X SLO	24.6	0	0	0	1.4E2	0.838	18516	10283	Sisma Y SLO	0	24.6	0	0	1.4E2	0.838
18517	10283	Sisma X SLD	20.4	0	0	0	1.4E2	0.838	18518	10283	Sisma Y SLD	0	20.4	0	0	1.4E2	0.838
18519	10284	Sisma X SLV	45.1	0	0	0	1.3E2	0.838	18520	10284	Sisma Y SLV	0	45.1	0	0	1.3E2	0.838
18521	10284	Sisma X SLO	24.1	0	0	0	1.3E2	0.838	18522	10284	Sisma Y SLO	0	24.1	0	0	1.3E2	0.838
18523	10284	Sisma X SLD	20	0	0	0	1.3E2	0.838	18524	10284	Sisma Y SLD	0	20	0	0	1.3E2	0.838
18525	10285	Sisma X SLV	46.6	0	0	0	1.4E2	0.838	18526	10285	Sisma Y SLV	0	46.6	0	0	1.4E2	0.838
18527	10285	Sisma X SLO	24.8	0	0	0	1.4E2	0.838	18528	10285	Sisma Y SLO	0	24.8	0	0	1.4E2	0.838
18529	10285	Sisma X SLD	20.6	0	0	0	1.4E2	0.838	18530	10285	Sisma Y SLD	0	20.6	0	0	1.4E2	0.838
18531	10286	Sisma X SLV	42.5	0	0	0	1.3E2	0.838	18532	10286	Sisma Y SLV	0	42.5	0	0	1.3E2	0.838
18533	10286	Sisma X SLO	22.7	0	0	0	1.3E2	0.838	18534	10286	Sisma Y SLO	0	22.7	0	0	1.3E2	0.838
18535	10286	Sisma X SLD	18.8	0	0	0	1.3E2	0.838	18536	10286	Sisma Y SLD	0	18.8	0	0	1.3E2	0.838
18537	10287	Sisma X SLV	71.4	0	0	0	2.1E2	0.838	18538	10287	Sisma Y SLV	0	71.4	0	0	2.1E2	0.838
18539	10287	Sisma X SLO	38.1	0	0	0	2.1E2	0.838	18540	10287	Sisma Y SLO	0	38.1	0	0	2.1E2	0.838
18541	10287	Sisma X SLD	31.6	0	0	0	2.1E2	0.838	18542	10287	Sisma Y SLD	0	31.6	0	0	2.1E2	0.838
18543	10288	Sisma X SLV	54.1	0	0	0	1.6E2	0.838	18544	10288	Sisma Y SLV	0	54.1	0	0	1.6E2	0.838
18545	10288	Sisma X SLO	28.8	0	0	0	1.6E2	0.838	18546	10288	Sisma Y SLO	0	28.8	0	0	1.6E2	0.838
18547	10288	Sisma X SLD	23.9	0	0	0	1.6E2	0.838	18548	10288	Sisma Y SLD	0	23.9	0	0	1.6E2	0.838
18549	10289	Sisma X SLV	56.7	0	0	0	1.7E2	0.839	18550	10289	Sisma Y SLV	0	56.7	0	0	1.7E2	0.839
18551	10289	Sisma X SLO	30.2	0	0	0	1.7E2	0.839	18552	10289	Sisma Y SLO	0	30.2	0	0	1.7E2	0.839
18553	10289	Sisma X SLD	25.1	0	0	0	1.7E2	0.839	18554	10289	Sisma Y SLD	0	25.1	0	0	1.7E2	0.839
18555	10290	Sisma X SLV	49.7	0	0	0	1.5E2	0.839	18556	10290	Sisma Y SLV	0	49.7	0	0	1.5E2	0.839
18557	10290	Sisma X SLO	26.5	0	0	0	1.5E2	0.839	18558	10290	Sisma Y SLO	0	26.5	0	0	1.5E2	0.839
18559	10290	Sisma X SLD	22	0	0	0	1.5E2	0.839	18560	10290	Sisma Y SLD	0	22	0	0	1.5E2	0.839
18561	10291	Sisma X SLV	48.2	0	0	0	1.4E2	0.839	18562	10291	Sisma Y SLV	0	48.2	0	0	1.4E2	0.839
18563	10291	Sisma X SLO	25.7	0	0	0	1.4E2	0.839	18564	10291	Sisma Y SLO	0	25.7	0	0	1.4E2	0.839
18565	10291	Sisma X SLD	21.3	0	0	0	1.4E2	0.839	18566	10291	Sisma Y SLD	0	21.3	0	0	1.4E2	0.839
18567	10292	Sisma X SLV	46.1	0	0	0	1.4E2	0.839	18568	10292	Sisma Y SLV	0	46.1	0	0	1.4E2	0.839
18569	10292	Sisma X SLO	24.6	0	0	0	1.4E2	0.839	18570	10292	Sisma Y SLO	0	24.6	0	0	1.4E2	0.839
18571	10292	Sisma X SLD	20.4	0	0	0	1.4E2	0.839	18572	10292	Sisma Y SLD	0	20.4	0	0	1.4E2	0.839
18573	10293	Sisma X SLV	49.6	0	0	0	1.5E2	0.839	18574	10293	Sisma Y SLV	0	49.6	0	0	1.5E2	0.839
18575	10293	Sisma X SLO	26.5	0	0	0	1.5E2	0.839	18576	10293	Sisma Y SLO	0	26.5	0	0	1.5E2	0.839
18577	10293	Sisma X SLD	22	0	0	0	1.5E2	0.839	18578	10293	Sisma Y SLD	0	22	0	0	1.5E2	0.839
18579	10294	Sisma X SLV	51.7	0	0	0	1.5E2	0.839	18580	10294	Sisma Y SLV	0	51.7	0	0	1.5E2	0.839
18581	10294	Sisma X SLO	27.6	0	0	0	1.5E2	0.839	18582	10294	Sisma Y SLO	0	27.6	0	0	1.5E2	0.839
18583	10294	Sisma X SLD	22.9	0	0	0	1.5E2	0.839	18584	10294	Sisma Y SLD	0	22.9	0	0	1.5E2	0.839
18585	10295	Sisma X SLV	56	0	0	0	1.7E2	0.84	18586	10295	Sisma Y SLV	0	56	0	0	1.7E2	0.84
18587	10295	Sisma X SLO	29.9	0	0	0	1.7E2	0.84	18588	10295	Sisma Y SLO	0	29.9	0	0	1.7E2	0.84
18589	10295	Sisma X SLD	24.8	0	0	0	1.7E2	0.84	18590	10295	Sisma Y SLD	0	24.8	0	0	1.7E2	0.84
18591	10296	Sisma X SLV	50.1	0	0	0	1.5E2	0.84	18592	10296	Sisma Y SLV	0	50.1	0	0	1.5E2	0.84
18593	10296	Sisma X SLO	26.7	0	0	0	1.5E2	0.84	18594	10296	Sisma Y SLO	0	26.7	0	0	1.5E2	0.84
18595	10296	Sisma X SLD	22.2	0	0	0	1.5E2	0.84	18596	10296	Sisma Y SLD	0	22.2	0	0	1.5E2	0.84
18597	10297	Sisma X SLV	52.7	0	0	0	1.6E2	0.84	18598	10297	Sisma Y SLV	0	52.7	0	0	1.6E2	0.84
18599	10297	Sisma X SLO	28.1	0	0	0	1.6E2	0.84	18600	10297	Sisma Y SLO	0	28.1	0	0	1.6E2	0.84
18601	10297	Sisma X SLD	23.3	0	0	0	1.6E2	0.84	18602	10297	Sisma Y SLD	0	23.3	0	0	1.6E2	0.84
18603	10298	Sisma X SLV	43.7	0	0	0	1.3E2	0.84	18604	10298	Sisma Y SLV	0	43.7	0	0	1.3E2	0.84
18605	10298	Sisma X SLO	23.3	0	0	0	1.3E2	0.84	18606	10298	Sisma Y SLO	0	23.3	0	0	1.3E2	0.84
18607	10298	Sisma X SLD	19.4	0	0	0	1.3E2	0.84	18608	10298	Sisma Y SLD	0	19.4	0	0	1.3E2	0.84
18609	10299	Sisma X SLV	72.6	0	0	0	2.2E2	0.841	18610	10299	Sisma Y SLV	0	72.6	0	0	2.2E2	0.841
18611	10299	Sisma X SLO	38.7	0	0	0	2.2E2	0.841	18612	10299	Sisma Y SLO	0	38.7	0	0	2.2E2	0.841
18613	10299	Sisma X SLD	32.1	0	0	0	2.2E2	0.841	18614	10299	Sisma Y SLD	0	32.1	0	0	2.2E2	0.841
18615	10300	Sisma X SLV	54.4	0	0	0	1.6E2	0.841	18616	10300	Sisma Y SLV	0	54.4	0	0	1.6E2	0.841
18617	10300	Sisma X SLO	29	0	0	0	1.6E2	0.841	18618	10300	Sisma Y SLO	0	29	0	0	1.6E2	0.841
18619	10300	Sisma X SLD	24.1	0	0	0	1.6E2	0.841	18620	10300	Sisma Y SLD	0	24.1	0	0	1.6E2	0.841
18621	10301	Sisma X SLV	60.8	0	0	0	1.8E2	0.841	18622	10301	Sisma Y SLV	0	60.8	0	0	1.8E2	0.841
18623	10301	Sisma X SLO	32.4	0	0	0	1.8E2	0.841	18624	10301	Sisma Y SLO	0	32.4	0	0	1.8E2	0.841
18625	10301	Sisma X SLD	26.9	0	0	0	1.8E2	0.841	18626	10301	Sisma Y SLD	0	26.9	0	0	1.8E2	0.841
18627	10302	Sisma X SLV	57.2	0	0	0	1.7E2	0.841	18628	10302	Sisma Y SLV	0	57.2	0	0	1.7E2	0.841
18629	10302	Sisma X SLO	30.5	0	0	0	1.7E2	0.841	18630	10302	Sisma Y SLO	0	30.5	0	0	1.7E2	0.841
18631	10302	Sisma X SLD	25.3	0	0	0	1.7E2	0.841	18632	10302	Sisma Y SLD	0	25.3	0	0	1.7E2	0.841
18633	10303	Sisma X SLV	51	0	0	0	1.5E2	0.841	18634	10303	Sisma Y SLV	0	51	0	0	1.5E2	0.841
18635	10303	Sisma X SLO	27.2	0	0	0	1.5E2	0.841	18636	10303	Sisma Y SLO	0	27.2	0	0	1.5E2	0.841
18637	10303	Sisma X SLD	22.5	0	0	0	1.5E2	0.841	18638	10303	Sisma Y SLD	0	22.5	0	0	1.5E2	0.841
18639	10304	Sisma X SLV	49.4	0	0	0	1.5E2	0.841	18640	10304	Sisma Y SLV	0	49.4	0	0	1.5E2	0.841
18641	10304	Sisma X SLO	26.3	0	0	0	1.5E2	0.841	18642	10304	Sisma Y SLO	0	26.3	0	0	1.5E2	0.841
18643	10304	Sisma X SLD	21.9	0	0	0	1.5E2	0.841	18644	10304	Sisma Y SLD	0	21.9	0	0	1.5E2	0.841
18645	10305	Sisma X SLV	54.5	0	0	0	1.6E2	0.841	18646	10305	Sisma Y SLV	0	54.5	0	0	1.6E2	0.841
18647	10305	Sisma X SLO	29	0	0	0	1.6E2	0.841	18648	10305	Sisma Y SLO	0	29	0	0	1.6E2	0.841
18649	10305	Sisma X SLD	24.1	0	0	0	1.6E2	0.841	18650	10305	Sisma Y SLD	0	24.1	0	0	1.6E2	0.841
18651	10306	Sisma X SLV	60.2	0	0	0	1.8E2	0.841	18652	10306	Sisma Y SLV	0	60.2	0	0	1.8E2	0.841
18653	10306	Sisma X SLO	32.1	0	0	0	1.8E2	0.841	18654	10306	Sisma Y SLO	0	32.1	0	0	1.8E2	0.841
18655	10306	Sisma X SLD	26.6	0	0	0	1.8E2	0.841	18656	10306	Sisma Y SLD	0	26.6	0	0	1.8E2	0.841
18657	10307	Sisma X SLV	58.4	0	0	0	1.7E2	0.842	18658	10307	Sisma Y SLV	0	58.4	0	0	1.7E2	0.842
18659	10307	Sisma X SLO	31.1	0	0	0	1.7E2	0.842	18660	10307	Sisma Y SLO	0	31.1	0	0	1.7E2	0.842
18661	10307	Sisma X SLD	25.8	0	0	0	1.7E2	0.842	18662	10307	Sisma Y SLD	0	25.8	0	0	1.7E2	0.842
18663	10308	Sisma X SLV	55.6	0	0	0	1.7E2	0.842	18664	10308	Sisma Y SLV	0	55.6	0	0	1.7E2	0.842
18665	10308	Sisma X SLO	29.6	0	0	0	1.7E2	0.842	18666	10308	Sisma Y SLO	0	29.6	0	0	1.7E2	0.842
18667	10308	Sisma X SLD	24.6	0	0	0	1.7E2	0.842	18668	10308	Sisma Y SLD	0	24.6	0	0	1.7E2	0.842
18669	10309	Sisma X SLV	61.5	0	0	0	1.8E2	0.842	18670	10309	Sisma Y SLV	0	61.5	0	0	1.8E2	0.842
18671	10309	Sisma X SLO	32.8	0	0	0	1.8E2	0.842	18672	10309	Sisma Y SLO	0	32.8	0	0	1.8E2	0.842
18673	10309	Sisma X SLD	27.2	0	0	0	1.8E2	0.842	18674	10309	Sisma Y SLD	0	27.2	0	0	1.8E2	0.842
18675	10310	Sisma X SLV	73.3	0	0	0	2.2E2	0.842	18676	10310	Sisma Y SLV	0	73.3	0	0	2.2E2	0.842
18677	10310	Sisma X SLO	39.1	0	0	0	2.2E2	0.842	18678	10310	Sisma Y SLO	0	39.1	0	0	2.2E2	0.842
18679	10310	Sisma X SLD	32.5	0	0	0	2.2E2	0.842	18680	10310	Sisma Y SLD	0	32.5	0	0	2.2E2	0.842
18681	10311	Sisma X SLV	56.9	0	0	0	1.7E2	0.842	18682	10311	Sisma Y SLV	0	56.9	0	0	1.7E2	0.842
18683	10311	Sisma X SLO	30.4	0	0	0	1.7E2	0.842	18684	10311	Sisma Y SLO	0	30.4	0	0	1.7E2	0.842
18685	10311	Sisma X SLD	25.2	0	0	0	1.7E2	0.842	18686	10311	Sisma Y SLD	0	25.2	0	0	1.7E2	0.842
18687	10312	Sisma X SLV	53	0	0	0	1.6E2	0.842	18688	10312	Sisma Y SLV	0	53	0	0	1.6E2	0.842
18689	10312	Sisma X SLO	28.3	0	0	0	1.6E2	0.842	18690	10312	Sisma Y SLO	0	28.3	0	0	1.6E2	0.842
18691	10312	Sisma X SLD	23.5	0	0	0	1.6E2	0.842	18692	10312	Sisma Y SLD	0	23.5	0	0	1.6E2	0.842
18693	10313	Sisma X SLV	50.5	0	0	0	1.5E2	0.842	18694	10313	Sisma Y SLV	0	50.5	0	0	1.5E2	0.842
18695	10313	Sisma X SLO	26.9	0	0	0	1.5E2	0.842	18696	10313	Sisma Y SLO	0	26.9	0	0	1.5E2	0.842
18697	10313	Sisma X SLD	22.4	0	0	0	1.5E2	0.842	18698	10313	Sisma Y SLD	0	22.4	0	0	1.5E2	0.842
18699	10314	Sisma X SLV	50	0	0	0	1.5E2	0.843	18700	10314	Sisma Y SLV	0	50	0	0	1.5E2	0.843
18701	10314	Sisma X SLO	26.6	0	0	0	1.5E2	0.843	18702	10314	Sisma Y SLO	0	26.6	0	0	1.5E2	0.843
18703	10314	Sisma X SLD	22.1	0	0	0	1.5E2	0.843	18704	10314	Sisma Y SLD	0	22.1	0	0	1.5E2	0.843
18705	10315	Sisma X SLV	44.4	0	0	0	1.3E2	0.843	18706	10315	Sisma Y SLV	0	44.4	0	0	1.3E2	0.843
18707	10315	Sisma X SLO	23.6	0	0	0	1.3E2	0.843	18708	10315	Sisma Y SLO	0	23.6	0	0	1.3E2	0.843
18709	10315	Sisma X SLD	19.6	0	0	0	1.3E2	0.843	18710	10315	Sisma Y SLD	0	19.6	0	0	1.3E2	0.843
18711	10316	Sisma X SLV	73.9	0	0	0	2.2E2	0.843	18712	10316	Sisma Y SLV	0	73.9	0	0	2.2E2	0.843

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
18713	10316	Sisma X SLO	39.4	0	0	0	2.2E2	0.843	18714	10316	Sisma Y SLO	0	39.4	0	0	2.2E2	0.843
18715	10316	Sisma X SLD	32.7	0	0	0	2.2E2	0.843	18716	10316	Sisma Y SLD	0	32.7	0	0	2.2E2	0.843
18717	10317	Sisma X SLV	56.5	0	0	0	1.7E2	0.843	18718	10317	Sisma Y SLV	0	56.5	0	0	1.7E2	0.843
18719	10317	Sisma X SLO	30.1	0	0	0	1.7E2	0.843	18720	10317	Sisma Y SLO	0	30.1	0	0	1.7E2	0.843
18721	10317	Sisma X SLD	25	0	0	0	1.7E2	0.843	18722	10317	Sisma Y SLD	0	25	0	0	1.7E2	0.843
18723	10318	Sisma X SLV	54.9	0	0	0	1.6E2	0.843	18724	10318	Sisma Y SLV	0	54.9	0	0	1.6E2	0.843
18725	10318	Sisma X SLO	29.3	0	0	0	1.6E2	0.843	18726	10318	Sisma Y SLO	0	29.3	0	0	1.6E2	0.843
18727	10318	Sisma X SLD	24.3	0	0	0	1.6E2	0.843	18728	10318	Sisma Y SLD	0	24.3	0	0	1.6E2	0.843
18729	10319	Sisma X SLV	51.4	0	0	0	1.5E2	0.843	18730	10319	Sisma Y SLV	0	51.4	0	0	1.5E2	0.843
18731	10319	Sisma X SLO	27.4	0	0	0	1.5E2	0.843	18732	10319	Sisma Y SLO	0	27.4	0	0	1.5E2	0.843
18733	10319	Sisma X SLD	22.7	0	0	0	1.5E2	0.843	18734	10319	Sisma Y SLD	0	22.7	0	0	1.5E2	0.843
18735	10320	Sisma X SLV	56.1	0	0	0	1.7E2	0.843	18736	10320	Sisma Y SLV	0	56.1	0	0	1.7E2	0.843
18737	10320	Sisma X SLO	29.9	0	0	0	1.7E2	0.843	18738	10320	Sisma Y SLO	0	29.9	0	0	1.7E2	0.843
18739	10320	Sisma X SLD	24.8	0	0	0	1.7E2	0.843	18740	10320	Sisma Y SLD	0	24.8	0	0	1.7E2	0.843
18741	10321	Sisma X SLV	50.3	0	0	0	1.5E2	0.843	18742	10321	Sisma Y SLV	0	50.3	0	0	1.5E2	0.843
18743	10321	Sisma X SLO	26.8	0	0	0	1.5E2	0.843	18744	10321	Sisma Y SLO	0	26.8	0	0	1.5E2	0.843
18745	10321	Sisma X SLD	22.2	0	0	0	1.5E2	0.843	18746	10321	Sisma Y SLD	0	22.2	0	0	1.5E2	0.843
18747	10322	Sisma X SLV	55.7	0	0	0	1.7E2	0.843	18748	10322	Sisma Y SLV	0	55.7	0	0	1.7E2	0.843
18749	10322	Sisma X SLO	29.7	0	0	0	1.7E2	0.843	18750	10322	Sisma Y SLO	0	29.7	0	0	1.7E2	0.843
18751	10322	Sisma X SLD	24.7	0	0	0	1.7E2	0.843	18752	10322	Sisma Y SLD	0	24.7	0	0	1.7E2	0.843
18753	10323	Sisma X SLV	62.3	0	0	0	1.8E2	0.843	18754	10323	Sisma Y SLV	0	62.3	0	0	1.8E2	0.843
18755	10323	Sisma X SLO	33.2	0	0	0	1.8E2	0.843	18756	10323	Sisma Y SLO	0	33.2	0	0	1.8E2	0.843
18757	10323	Sisma X SLD	27.6	0	0	0	1.8E2	0.843	18758	10323	Sisma Y SLD	0	27.6	0	0	1.8E2	0.843
18759	10324	Sisma X SLV	54.3	0	0	0	1.6E2	0.843	18760	10324	Sisma Y SLV	0	54.3	0	0	1.6E2	0.843
18761	10324	Sisma X SLO	28.9	0	0	0	1.6E2	0.843	18762	10324	Sisma Y SLO	0	28.9	0	0	1.6E2	0.843
18763	10324	Sisma X SLD	24	0	0	0	1.6E2	0.843	18764	10324	Sisma Y SLD	0	24	0	0	1.6E2	0.843
18765	10325	Sisma X SLV	48.7	0	0	0	1.4E2	0.843	18766	10325	Sisma Y SLV	0	48.7	0	0	1.4E2	0.843
18767	10325	Sisma X SLO	26	0	0	0	1.4E2	0.843	18768	10325	Sisma Y SLO	0	26	0	0	1.4E2	0.843
18769	10325	Sisma X SLD	21.6	0	0	0	1.4E2	0.843	18770	10325	Sisma Y SLD	0	21.6	0	0	1.4E2	0.843
18771	10326	Sisma X SLV	28.4	0	0	0	8.4E1	0.843	18772	10326	Sisma Y SLV	0	28.4	0	0	8.4E1	0.843
18773	10326	Sisma X SLO	15.2	0	0	0	8.4E1	0.843	18774	10326	Sisma Y SLO	0	15.2	0	0	8.4E1	0.843
18775	10326	Sisma X SLD	12.6	0	0	0	8.4E1	0.843	18776	10326	Sisma Y SLD	0	12.6	0	0	8.4E1	0.843
18777	10327	Sisma X SLV	53.3	0	0	0	1.6E2	0.843	18778	10327	Sisma Y SLV	0	53.3	0	0	1.6E2	0.843
18779	10327	Sisma X SLO	28.4	0	0	0	1.6E2	0.843	18780	10327	Sisma Y SLO	0	28.4	0	0	1.6E2	0.843
18781	10327	Sisma X SLD	23.6	0	0	0	1.6E2	0.843	18782	10327	Sisma Y SLD	0	23.6	0	0	1.6E2	0.843
18783	10328	Sisma X SLV	53.4	0	0	0	1.6E2	0.844	18784	10328	Sisma Y SLV	0	53.4	0	0	1.6E2	0.844
18785	10328	Sisma X SLO	28.5	0	0	0	1.6E2	0.844	18786	10328	Sisma Y SLO	0	28.5	0	0	1.6E2	0.844
18787	10328	Sisma X SLD	23.6	0	0	0	1.6E2	0.844	18788	10328	Sisma Y SLD	0	23.6	0	0	1.6E2	0.844
18789	10329	Sisma X SLV	53.4	0	0	0	1.6E2	0.844	18790	10329	Sisma Y SLV	0	53.4	0	0	1.6E2	0.844
18791	10329	Sisma X SLO	28.5	0	0	0	1.6E2	0.844	18792	10329	Sisma Y SLO	0	28.5	0	0	1.6E2	0.844
18793	10329	Sisma X SLD	23.6	0	0	0	1.6E2	0.844	18794	10329	Sisma Y SLD	0	23.6	0	0	1.6E2	0.844
18795	10330	Sisma X SLV	60.9	0	0	0	1.8E2	0.844	18796	10330	Sisma Y SLV	0	60.9	0	0	1.8E2	0.844
18797	10330	Sisma X SLO	32.5	0	0	0	1.8E2	0.844	18798	10330	Sisma Y SLO	0	32.5	0	0	1.8E2	0.844
18799	10330	Sisma X SLD	27	0	0	0	1.8E2	0.844	18800	10330	Sisma Y SLD	0	27	0	0	1.8E2	0.844
18801	10331	Sisma X SLV	53.4	0	0	0	1.6E2	0.844	18802	10331	Sisma Y SLV	0	53.4	0	0	1.6E2	0.844
18803	10331	Sisma X SLO	28.5	0	0	0	1.6E2	0.844	18804	10331	Sisma Y SLO	0	28.5	0	0	1.6E2	0.844
18805	10331	Sisma X SLD	23.6	0	0	0	1.6E2	0.844	18806	10331	Sisma Y SLD	0	23.6	0	0	1.6E2	0.844
18807	10332	Sisma X SLV	53.4	0	0	0	1.6E2	0.844	18808	10332	Sisma Y SLV	0	53.4	0	0	1.6E2	0.844
18809	10332	Sisma X SLO	28.5	0	0	0	1.6E2	0.844	18810	10332	Sisma Y SLO	0	28.5	0	0	1.6E2	0.844
18811	10332	Sisma X SLD	23.6	0	0	0	1.6E2	0.844	18812	10332	Sisma Y SLD	0	23.6	0	0	1.6E2	0.844
18813	10333	Sisma X SLV	53.2	0	0	0	1.6E2	0.844	18814	10333	Sisma Y SLV	0	53.2	0	0	1.6E2	0.844
18815	10333	Sisma X SLO	28.4	0	0	0	1.6E2	0.844	18816	10333	Sisma Y SLO	0	28.4	0	0	1.6E2	0.844
18817	10333	Sisma X SLD	23.6	0	0	0	1.6E2	0.844	18818	10333	Sisma Y SLD	0	23.6	0	0	1.6E2	0.844
18819	10334	Sisma X SLV	52.5	0	0	0	1.6E2	0.844	18820	10334	Sisma Y SLV	0	52.5	0	0	1.6E2	0.844
18821	10334	Sisma X SLO	28	0	0	0	1.6E2	0.844	18822	10334	Sisma Y SLO	0	28	0	0	1.6E2	0.844
18823	10334	Sisma X SLD	23.2	0	0	0	1.6E2	0.844	18824	10334	Sisma Y SLD	0	23.2	0	0	1.6E2	0.844
18825	10335	Sisma X SLV	51.8	0	0	0	1.5E2	0.844	18826	10335	Sisma Y SLV	0	51.8	0	0	1.5E2	0.844
18827	10335	Sisma X SLO	27.6	0	0	0	1.5E2	0.844	18828	10335	Sisma Y SLO	0	27.6	0	0	1.5E2	0.844
18829	10335	Sisma X SLD	22.9	0	0	0	1.5E2	0.844	18830	10335	Sisma Y SLD	0	22.9	0	0	1.5E2	0.844
18831	10336	Sisma X SLV	53.7	0	0	0	1.6E2	0.844	18832	10336	Sisma Y SLV	0	53.7	0	0	1.6E2	0.844
18833	10336	Sisma X SLO	28.6	0	0	0	1.6E2	0.844	18834	10336	Sisma Y SLO	0	28.6	0	0	1.6E2	0.844
18835	10336	Sisma X SLD	23.7	0	0	0	1.6E2	0.844	18836	10336	Sisma Y SLD	0	23.7	0	0	1.6E2	0.844
18837	10337	Sisma X SLV	51.3	0	0	0	1.5E2	0.844	18838	10337	Sisma Y SLV	0	51.3	0	0	1.5E2	0.844
18839	10337	Sisma X SLO	27.4	0	0	0	1.5E2	0.844	18840	10337	Sisma Y SLO	0	27.4	0	0	1.5E2	0.844
18841	10337	Sisma X SLD	22.7	0	0	0	1.5E2	0.844	18842	10337	Sisma Y SLD	0	22.7	0	0	1.5E2	0.844
18843	10338	Sisma X SLV	50	0	0	0	1.5E2	0.844	18844	10338	Sisma Y SLV	0	50	0	0	1.5E2	0.844
18845	10338	Sisma X SLO	26.7	0	0	0	1.5E2	0.844	18846	10338	Sisma Y SLO	0	26.7	0	0	1.5E2	0.844
18847	10338	Sisma X SLD	22.1	0	0	0	1.5E2	0.844	18848	10338	Sisma Y SLD	0	22.1	0	0	1.5E2	0.844
18849	10339	Sisma X SLV	60	0	0	0	1.8E2	0.844	18850	10339	Sisma Y SLV	0	60	0	0	1.8E2	0.844
18851	10339	Sisma X SLO	32	0	0	0	1.8E2	0.844	18852	10339	Sisma Y SLO	0	32	0	0	1.8E2	0.844
18853	10339	Sisma X SLD	26.5	0	0	0	1.8E2	0.844	18854	10339	Sisma Y SLD	0	26.5	0	0	1.8E2	0.844
18855	10340	Sisma X SLV	49.4	0	0	0	1.5E2	0.844	18856	10340	Sisma Y SLV	0	49.4	0	0	1.5E2	0.844
18857	10340	Sisma X SLO	26.3	0	0	0	1.5E2	0.844	18858	10340	Sisma Y SLO	0	26.3	0	0	1.5E2	0.844
18859	10340	Sisma X SLD	21.9	0	0	0	1.5E2	0.844	18860	10340	Sisma Y SLD	0	21.9	0	0	1.5E2	0.844
18861	10341	Sisma X SLV	52.5	0	0	0	1.6E2	0.844	18862	10341	Sisma Y SLV	0	52.5	0	0	1.6E2	0.844
18863	10341	Sisma X SLO	28	0	0	0	1.6E2	0.844	18864	10341	Sisma Y SLO	0	28	0	0	1.6E2	0.844
18865	10341	Sisma X SLD	23.2	0	0	0	1.6E2	0.844	18866	10341	Sisma Y SLD	0	23.2	0	0	1.6E2	0.844
18867	10342	Sisma X SLV	55.6	0	0	0	1.6E2	0.844	18868	10342	Sisma Y SLV	0	55.6	0	0	1.6E2	0.844
18869	10342	Sisma X SLO	29.6	0	0	0	1.6E2	0.844	18870	10342	Sisma Y SLO	0	29.6	0	0	1.6E2	0.844
18871	10342	Sisma X SLD	24.6	0	0	0	1.6E2	0.844	18872	10342	Sisma Y SLD	0	24.6	0	0	1.6E2	0.844
18873	10343	Sisma X SLV	55.8	0	0	0	1.7E2	0.844	18874	10343	Sisma Y SLV	0	55.8	0	0	1.7E2	0.844
18875	10343	Sisma X SLO	29.7	0	0	0	1.7E2	0.844	18876	10343	Sisma Y SLO	0	29.7	0	0	1.7E2	0.844
18877	10343	Sisma X SLD	24.7	0	0	0	1.7E2	0.844	18878	10343	Sisma Y SLD	0	24.7	0	0	1.7E2	0.844
18879	10344	Sisma X SLV	56.4	0	0	0	1.7E2	0.844	18880	10344	Sisma Y SLV	0	56.4	0	0	1.7E2	0.844
18881	10344	Sisma X SLO	30.1	0	0	0	1.7E2	0.844	18882	10344	Sisma Y SLO	0	30.1	0	0	1.7E2	0.844
18883	10344	Sisma X SLD	25	0	0	0	1.7E2	0.844	18884	10344	Sisma Y SLD	0	25	0	0	1.7E2	0.844
18885	10345	Sisma X SLV	56.7	0	0	0	1.7E2	0.844	18886	10345	Sisma Y SLV	0	56.7	0	0	1.7E2	0.844
18887	10345	Sisma X SLO	30.2	0	0	0	1.7E2	0.844	18888	10345	Sisma Y SLO	0	30.2	0	0	1.7E2	0.844
18889	10345	Sisma X SLD	25.1	0	0	0	1.7E2	0.844	18890	10345	Sisma Y SLD	0	25.1	0	0	1.7E2	0.844
18891	10346	Sisma X SLV	56.5	0	0	0	1.7E2	0.844	18892	10346	Sisma Y SLV	0	56.5	0	0	1.7E2	0.844
18893	10346	Sisma X SLO	30.1	0	0	0	1.7E2	0.844	18894	10346	Sisma Y SLO	0	30.1	0	0	1.7E2	0.844
18895	10346	Sisma X SLD	25	0	0	0	1.7E2	0.844	18896	10346	Sisma Y SLD	0	25	0	0	1.7E2	0.844
18897	10347	Sisma X SLV	52	0	0	0	1.5E2	0.849	18898	10347	Sisma Y SLV	0	52	0	0	1.5E2	0.849
18899	10347	Sisma X SLO	27.7	0	0	0	1.5E2	0.849	18900	10347	Sisma Y SLO	0	27.7	0	0	1.5E2	0.849
18901	10347	Sisma X SLD	23	0	0	0	1.5E2	0.849	18902	10347	Sisma Y SLD	0	23	0	0	1.5E2	0.849
18903	10348	Sisma X SLV	43.6	0	0	0	1.3E2	0.849	18904	10348	Sisma Y SLV	0	43.6	0	0	1.3E2	0.849
18905	10348	Sisma X SLO	23.2	0	0	0	1.3E2	0.849	18906	10348	Sisma Y SLO	0	23.2	0	0	1.3E2	0.849
18907	10348	Sisma X SLD	19.3	0	0	0	1.3E2	0.849	18908	10348	Sisma Y SLD	0	19.3	0	0	1.3E2	0.849
18909	10349	Sisma X SLV	47.2	0	0	0	1.4E2	0.849	18910	10349	Sisma Y SLV	0	47.2	0	0	1.4E2	0.849
18911	10349	Sisma X SLO	25.2	0	0	0	1.4E2	0.849	18912	10349	Sisma Y SLO	0	25.2	0	0	1.4E2	0.849

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
18913	10349	Sisma X SLD	20.9	0	0	0	1.4E2	0.849	18914	10349	Sisma Y SLD	0	20.9	0	0	1.4E2	0.849
18915	10350	Sisma X SLV	45.2	0	0	0	1.3E2	0.849	18916	10350	Sisma Y SLV	0	45.2	0	0	1.3E2	0.849
18917	10350	Sisma X SLO	24.1	0	0	0	1.3E2	0.849	18918	10350	Sisma Y SLO	0	24.1	0	0	1.3E2	0.849
18919	10350	Sisma X SLD	20	0	0	0	1.3E2	0.849	18920	10350	Sisma Y SLD	0	20	0	0	1.3E2	0.849
18921	10351	Sisma X SLV	43.2	0	0	0	1.3E2	0.849	18922	10351	Sisma Y SLV	0	43.2	0	0	1.3E2	0.849
18923	10351	Sisma X SLO	23	0	0	0	1.3E2	0.849	18924	10351	Sisma Y SLO	0	23	0	0	1.3E2	0.849
18925	10351	Sisma X SLD	19.1	0	0	0	1.3E2	0.849	18926	10351	Sisma Y SLD	0	19.1	0	0	1.3E2	0.849
18927	10352	Sisma X SLV	59.7	0	0	0	1.8E2	0.85	18928	10352	Sisma Y SLV	0	59.7	0	0	1.8E2	0.85
18929	10352	Sisma X SLO	31.8	0	0	0	1.8E2	0.85	18930	10352	Sisma Y SLO	0	31.8	0	0	1.8E2	0.85
18931	10352	Sisma X SLD	26.4	0	0	0	1.8E2	0.85	18932	10352	Sisma Y SLD	0	26.4	0	0	1.8E2	0.85
18933	10353	Sisma X SLV	14.6	0	0	0	4.1E1	0.882	18934	10353	Sisma Y SLV	0	14.6	0	0	4.1E1	0.882
18935	10353	Sisma X SLO	7.8	0	0	0	4.1E1	0.882	18936	10353	Sisma Y SLO	0	7.8	0	0	4.1E1	0.882
18937	10353	Sisma X SLD	6.4	0	0	0	4.1E1	0.882	18938	10353	Sisma Y SLD	0	6.4	0	0	4.1E1	0.882
18939	10354	Sisma X SLV	14.4	0	0	0	4.1E1	0.884	18940	10354	Sisma Y SLV	0	14.4	0	0	4.1E1	0.884
18941	10354	Sisma X SLO	7.7	0	0	0	4.1E1	0.884	18942	10354	Sisma Y SLO	0	7.7	0	0	4.1E1	0.884
18943	10354	Sisma X SLD	6.4	0	0	0	4.1E1	0.884	18944	10354	Sisma Y SLD	0	6.4	0	0	4.1E1	0.884
18945	10355	Sisma X SLV	20.4	0	0	0	5.8E1	0.885	18946	10355	Sisma Y SLV	0	20.4	0	0	5.8E1	0.885
18947	10355	Sisma X SLO	10.9	0	0	0	5.8E1	0.885	18948	10355	Sisma Y SLO	0	10.9	0	0	5.8E1	0.885
18949	10355	Sisma X SLD	9	0	0	0	5.8E1	0.885	18950	10355	Sisma Y SLD	0	9	0	0	5.8E1	0.885
18951	10356	Sisma X SLV	21	0	0	0	5.9E1	0.885	18952	10356	Sisma Y SLV	0	21	0	0	5.9E1	0.885
18953	10356	Sisma X SLO	11.2	0	0	0	5.9E1	0.885	18954	10356	Sisma Y SLO	0	11.2	0	0	5.9E1	0.885
18955	10356	Sisma X SLD	9.3	0	0	0	5.9E1	0.885	18956	10356	Sisma Y SLD	0	9.3	0	0	5.9E1	0.885
18957	10357	Sisma X SLV	17	0	0	0	4.8E1	0.889	18958	10357	Sisma Y SLV	0	17	0	0	4.8E1	0.889
18959	10357	Sisma X SLO	9.1	0	0	0	4.8E1	0.889	18960	10357	Sisma Y SLO	0	9.1	0	0	4.8E1	0.889
18961	10357	Sisma X SLD	7.5	0	0	0	4.8E1	0.889	18962	10357	Sisma Y SLD	0	7.5	0	0	4.8E1	0.889
18963	10358	Sisma X SLV	17.8	0	0	0	5.0E1	0.889	18964	10358	Sisma Y SLV	0	17.8	0	0	5.0E1	0.889
18965	10358	Sisma X SLO	9.5	0	0	0	5.0E1	0.889	18966	10358	Sisma Y SLO	0	9.5	0	0	5.0E1	0.889
18967	10358	Sisma X SLD	7.9	0	0	0	5.0E1	0.889	18968	10358	Sisma Y SLD	0	7.9	0	0	5.0E1	0.889
18969	10359	Sisma X SLV	17.4	0	0	0	4.9E1	0.89	18970	10359	Sisma Y SLV	0	17.4	0	0	4.9E1	0.89
18971	10359	Sisma X SLO	9.3	0	0	0	4.9E1	0.89	18972	10359	Sisma Y SLO	0	9.3	0	0	4.9E1	0.89
18973	10359	Sisma X SLD	7.7	0	0	0	4.9E1	0.89	18974	10359	Sisma Y SLD	0	7.7	0	0	4.9E1	0.89
18975	10360	Sisma X SLV	17.4	0	0	0	49.02	0.89	18976	10360	Sisma Y SLV	0	17.4	0	0	49.02	0.89
18977	10360	Sisma X SLO	9.3	0	0	0	49.02	0.89	18978	10360	Sisma Y SLO	0	9.3	0	0	49.02	0.89
18979	10360	Sisma X SLD	7.7	0	0	0	49.02	0.89	18980	10360	Sisma Y SLD	0	7.7	0	0	49.02	0.89
18981	10361	Sisma X SLV	50.7	0	0	0	1.4E2	0.909	18982	10361	Sisma Y SLV	0	50.7	0	0	1.4E2	0.909
18983	10361	Sisma X SLO	27	0	0	0	1.4E2	0.909	18984	10361	Sisma Y SLO	0	27	0	0	1.4E2	0.909
18985	10361	Sisma X SLD	22.4	0	0	0	1.4E2	0.909	18986	10361	Sisma Y SLD	0	22.4	0	0	1.4E2	0.909
18987	10362	Sisma X SLV	51.4	0	0	0	1.4E2	0.909	18988	10362	Sisma Y SLV	0	51.4	0	0	1.4E2	0.909
18989	10362	Sisma X SLO	27.4	0	0	0	1.4E2	0.909	18990	10362	Sisma Y SLO	0	27.4	0	0	1.4E2	0.909
18991	10362	Sisma X SLD	22.7	0	0	0	1.4E2	0.909	18992	10362	Sisma Y SLD	0	22.7	0	0	1.4E2	0.909
18993	10363	Sisma X SLV	52.1	0	0	0	1.4E2	0.909	18994	10363	Sisma Y SLV	0	52.1	0	0	1.4E2	0.909
18995	10363	Sisma X SLO	27.8	0	0	0	1.4E2	0.909	18996	10363	Sisma Y SLO	0	27.8	0	0	1.4E2	0.909
18997	10363	Sisma X SLD	23.1	0	0	0	1.4E2	0.909	18998	10363	Sisma Y SLD	0	23.1	0	0	1.4E2	0.909
18999	10364	Sisma X SLV	37.1	0	0	0	1.0E2	0.91	19000	10364	Sisma Y SLV	0	37.1	0	0	1.0E2	0.91
19001	10364	Sisma X SLO	19.8	0	0	0	1.0E2	0.91	19002	10364	Sisma Y SLO	0	19.8	0	0	1.0E2	0.91
19003	10364	Sisma X SLD	16.4	0	0	0	1.0E2	0.91	19004	10364	Sisma Y SLD	0	16.4	0	0	1.0E2	0.91
19005	10365	Sisma X SLV	37.1	0	0	0	1.0E2	0.91	19006	10365	Sisma Y SLV	0	37.1	0	0	1.0E2	0.91
19007	10365	Sisma X SLO	19.8	0	0	0	1.0E2	0.91	19008	10365	Sisma Y SLO	0	19.8	0	0	1.0E2	0.91
19009	10365	Sisma X SLD	16.4	0	0	0	1.0E2	0.91	19010	10365	Sisma Y SLD	0	16.4	0	0	1.0E2	0.91
19011	10366	Sisma X SLV	32.5	0	0	0	8.9E1	0.91	19012	10366	Sisma Y SLV	0	32.5	0	0	8.9E1	0.91
19013	10366	Sisma X SLO	17.3	0	0	0	8.9E1	0.91	19014	10366	Sisma Y SLO	0	17.3	0	0	8.9E1	0.91
19015	10366	Sisma X SLD	14.4	0	0	0	8.9E1	0.91	19016	10366	Sisma Y SLD	0	14.4	0	0	8.9E1	0.91
19017	10367	Sisma X SLV	69.6	0	0	0	1.9E2	0.91	19018	10367	Sisma Y SLV	0	69.6	0	0	1.9E2	0.91
19019	10367	Sisma X SLO	37.1	0	0	0	1.9E2	0.91	19020	10367	Sisma Y SLO	0	37.1	0	0	1.9E2	0.91
19021	10367	Sisma X SLD	30.8	0	0	0	1.9E2	0.91	19022	10367	Sisma Y SLD	0	30.8	0	0	1.9E2	0.91
19023	10368	Sisma X SLV	40.8	0	0	0	1.1E2	0.91	19024	10368	Sisma Y SLV	0	40.8	0	0	1.1E2	0.91
19025	10368	Sisma X SLO	21.8	0	0	0	1.1E2	0.91	19026	10368	Sisma Y SLO	0	21.8	0	0	1.1E2	0.91
19027	10368	Sisma X SLD	18.1	0	0	0	1.1E2	0.91	19028	10368	Sisma Y SLD	0	18.1	0	0	1.1E2	0.91
19029	10369	Sisma X SLV	27.7	0	0	0	76.28	0.91	19030	10369	Sisma Y SLV	0	27.7	0	0	76.28	0.91
19031	10369	Sisma X SLO	14.8	0	0	0	76.28	0.91	19032	10369	Sisma Y SLO	0	14.8	0	0	76.28	0.91
19033	10369	Sisma X SLD	12.3	0	0	0	76.28	0.91	19034	10369	Sisma Y SLD	0	12.3	0	0	76.28	0.91
19035	10370	Sisma X SLV	60.5	0	0	0	1.7E2	0.91	19036	10370	Sisma Y SLV	0	60.5	0	0	1.7E2	0.91
19037	10370	Sisma X SLO	32.2	0	0	0	1.7E2	0.91	19038	10370	Sisma Y SLO	0	32.2	0	0	1.7E2	0.91
19039	10370	Sisma X SLD	26.8	0	0	0	1.7E2	0.91	19040	10370	Sisma Y SLD	0	26.8	0	0	1.7E2	0.91
19041	10371	Sisma X SLV	38.1	0	0	0	1.0E2	0.91	19042	10371	Sisma Y SLV	0	38.1	0	0	1.0E2	0.91
19043	10371	Sisma X SLO	20.3	0	0	0	1.0E2	0.91	19044	10371	Sisma Y SLO	0	20.3	0	0	1.0E2	0.91
19045	10371	Sisma X SLD	16.9	0	0	0	1.0E2	0.91	19046	10371	Sisma Y SLD	0	16.9	0	0	1.0E2	0.91
19047	10372	Sisma X SLV	19.1	0	0	0	5.2E1	0.91	19048	10372	Sisma Y SLV	0	19.1	0	0	5.2E1	0.91
19049	10372	Sisma X SLO	10.2	0	0	0	5.2E1	0.91	19050	10372	Sisma Y SLO	0	10.2	0	0	5.2E1	0.91
19051	10372	Sisma X SLD	8.4	0	0	0	5.2E1	0.91	19052	10372	Sisma Y SLD	0	8.4	0	0	5.2E1	0.91
19053	10373	Sisma X SLV	22.5	0	0	0	6.2E1	0.91	19054	10373	Sisma Y SLV	0	22.5	0	0	6.2E1	0.91
19055	10373	Sisma X SLO	12	0	0	0	6.2E1	0.91	19056	10373	Sisma Y SLO	0	12	0	0	6.2E1	0.91
19057	10373	Sisma X SLD	9.9	0	0	0	6.2E1	0.91	19058	10373	Sisma Y SLD	0	9.9	0	0	6.2E1	0.91
19059	10374	Sisma X SLV	25.9	0	0	0	71.31	0.91	19060	10374	Sisma Y SLV	0	25.9	0	0	71.31	0.91
19061	10374	Sisma X SLO	13.8	0	0	0	71.31	0.91	19062	10374	Sisma Y SLO	0	13.8	0	0	71.31	0.91
19063	10374	Sisma X SLD	11.5	0	0	0	71.31	0.91	19064	10374	Sisma Y SLD	0	11.5	0	0	71.31	0.91
19065	10375	Sisma X SLV	29	0	0	0	8.0E1	0.91	19066	10375	Sisma Y SLV	0	29	0	0	8.0E1	0.91
19067	10375	Sisma X SLO	15.4	0	0	0	8.0E1	0.91	19068	10375	Sisma Y SLO	0	15.4	0	0	8.0E1	0.91
19069	10375	Sisma X SLD	12.8	0	0	0	8.0E1	0.91	19070	10375	Sisma Y SLD	0	12.8	0	0	8.0E1	0.91
19071	10376	Sisma X SLV	31.1	0	0	0	8.6E1	0.91	19072	10376	Sisma Y SLV	0	31.1	0	0	8.6E1	0.91
19073	10376	Sisma X SLO	16.6	0	0	0	8.6E1	0.91	19074	10376	Sisma Y SLO	0	16.6	0	0	8.6E1	0.91
19075	10376	Sisma X SLD	13.8	0	0	0	8.6E1	0.91	19076	10376	Sisma Y SLD	0	13.8	0	0	8.6E1	0.91
19077	10377	Sisma X SLV	23.5	0	0	0	6.5E1	0.91	19078	10377	Sisma Y SLV	0	23.5	0	0	6.5E1	0.91
19079	10377	Sisma X SLO	12.5	0	0	0	6.5E1	0.91	19080	10377	Sisma Y SLO	0	12.5	0	0	6.5E1	0.91
19081	10377	Sisma X SLD	10.4	0	0	0	6.5E1	0.91	19082	10377	Sisma Y SLD	0	10.4	0	0	6.5E1	0.91
19083	10378	Sisma X SLV	27.9	0	0	0	7.7E1	0.91	19084	10378	Sisma Y SLV	0	27.9	0	0	7.7E1	0.91
19085	10378	Sisma X SLO	14.9	0	0	0	7.7E1	0.91	19086	10378	Sisma Y SLO	0	14.9	0	0	7.7E1	0.91
19087	10378	Sisma X SLD	12.3	0	0	0	7.7E1	0.91	19088	10378	Sisma Y SLD	0	12.3	0	0	7.7E1	0.91
19089	10379	Sisma X SLV	24.4	0	0	0	6.7E1	0.91	19090	10379	Sisma Y SLV	0	24.4	0	0	6.7E1	0.91
19091	10379	Sisma X SLO	13	0	0	0	6.7E1	0.91	19092	10379	Sisma Y SLO	0	13	0	0	6.7E1	0.91
19093	10379	Sisma X SLD	10.8	0	0	0	6.7E1	0.91	19094	10379	Sisma Y SLD	0	10.8	0	0	6.7E1	0.91
19095	10380	Sisma X SLV	30.4	0	0	0	8.4E1	0.91	19096	10380	Sisma Y SLV	0	30.4	0	0	8.4E1	0.91
19097	10380	Sisma X SLO	16.2	0	0	0	8.4E1	0.91	19098	10380	Sisma Y SLO	0	16.2	0	0	8.4E1	0.91
19099	10380	Sisma X SLD	13.5	0	0	0	8.4E1	0.91	19100	10380	Sisma Y SLD	0	13.5	0	0	8.4E1	0.91
19101	10381	Sisma X SLV	24.5	0	0	0	6.7E1	0.91	19102	10381	Sisma Y SLV	0	24.5	0	0	6.7E1	0.91
19103	10381	Sisma X SLO	13	0	0	0	6.7E1	0.91	19104	10381	Sisma Y SLO	0	13	0	0	6.7E1	0.91
19105	10381	Sisma X SLD	10.8	0	0	0	6.7E1	0.91	19106	10381	Sisma Y SLD	0	10.8	0	0	6.7E1	0.91
19107	10382	Sisma X SLV	31.2	0	0	0	8.6E1	0.91	19108	10382	Sisma Y SLV	0	31.2	0	0	8.6E1	0.91
19109	10382	Sisma X SLO	16.6	0	0	0	8.6E1	0.91	19110	10382	Sisma Y SLO	0	16.6	0	0	8.6E1	0.91
19111	10382	Sisma X SLD	13.8	0	0	0	8.6E1	0.91	19112	10382	Sisma Y SLD	0	13.8	0	0	8.6E1	0.91

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
19113	10383	Sisma X SLV	23.6	0	0	0	6.5E1	0.91	19114	10383	Sisma Y SLV	0	23.6	0	0	6.5E1	0.91
19115	10383	Sisma X SLO	12.6	0	0	0	6.5E1	0.91	19116	10383	Sisma Y SLO	0	12.6	0	0	6.5E1	0.91
19117	10383	Sisma X SLD	10.5	0	0	0	6.5E1	0.91	19118	10383	Sisma Y SLD	0	10.5	0	0	6.5E1	0.91
19119	10384	Sisma X SLV	25.5	0	0	0	7.0E1	0.91	19120	10384	Sisma Y SLV	0	25.5	0	0	7.0E1	0.91
19121	10384	Sisma X SLO	13.6	0	0	0	7.0E1	0.91	19122	10384	Sisma Y SLO	0	13.6	0	0	7.0E1	0.91
19123	10384	Sisma X SLD	11.3	0	0	0	7.0E1	0.91	19124	10384	Sisma Y SLD	0	11.3	0	0	7.0E1	0.91
19125	10385	Sisma X SLV	22	0	0	0	6.0E1	0.91	19126	10385	Sisma Y SLV	0	22	0	0	6.0E1	0.91
19127	10385	Sisma X SLO	11.7	0	0	0	6.0E1	0.91	19128	10385	Sisma Y SLO	0	11.7	0	0	6.0E1	0.91
19129	10385	Sisma X SLD	9.7	0	0	0	6.0E1	0.91	19130	10385	Sisma Y SLD	0	9.7	0	0	6.0E1	0.91
19131	10386	Sisma X SLV	24.2	0	0	0	6.6E1	0.91	19132	10386	Sisma Y SLV	0	24.2	0	0	6.6E1	0.91
19133	10386	Sisma X SLO	12.9	0	0	0	6.6E1	0.91	19134	10386	Sisma Y SLO	0	12.9	0	0	6.6E1	0.91
19135	10386	Sisma X SLD	10.7	0	0	0	6.6E1	0.91	19136	10386	Sisma Y SLD	0	10.7	0	0	6.6E1	0.91
19137	10387	Sisma X SLV	27.9	0	0	0	7.7E1	0.91	19138	10387	Sisma Y SLV	0	27.9	0	0	7.7E1	0.91
19139	10387	Sisma X SLO	14.9	0	0	0	7.7E1	0.91	19140	10387	Sisma Y SLO	0	14.9	0	0	7.7E1	0.91
19141	10387	Sisma X SLD	12.3	0	0	0	7.7E1	0.91	19142	10387	Sisma Y SLD	0	12.3	0	0	7.7E1	0.91
19143	10388	Sisma X SLV	26.6	0	0	0	7.3E1	0.91	19144	10388	Sisma Y SLV	0	26.6	0	0	7.3E1	0.91
19145	10388	Sisma X SLO	14.2	0	0	0	7.3E1	0.91	19146	10388	Sisma Y SLO	0	14.2	0	0	7.3E1	0.91
19147	10388	Sisma X SLD	11.8	0	0	0	7.3E1	0.91	19148	10388	Sisma Y SLD	0	11.8	0	0	7.3E1	0.91
19149	10389	Sisma X SLV	29.6	0	0	0	8.1E1	0.91	19150	10389	Sisma Y SLV	0	29.6	0	0	8.1E1	0.91
19151	10389	Sisma X SLO	15.8	0	0	0	8.1E1	0.91	19152	10389	Sisma Y SLO	0	15.8	0	0	8.1E1	0.91
19153	10389	Sisma X SLD	13.1	0	0	0	8.1E1	0.91	19154	10389	Sisma Y SLD	0	13.1	0	0	8.1E1	0.91
19155	10390	Sisma X SLV	29.2	0	0	0	8.0E1	0.91	19156	10390	Sisma Y SLV	0	29.2	0	0	8.0E1	0.91
19157	10390	Sisma X SLO	15.6	0	0	0	8.0E1	0.91	19158	10390	Sisma Y SLO	0	15.6	0	0	8.0E1	0.91
19159	10390	Sisma X SLD	12.9	0	0	0	8.0E1	0.91	19160	10390	Sisma Y SLD	0	12.9	0	0	8.0E1	0.91
19161	10391	Sisma X SLV	26.4	0	0	0	7.3E1	0.91	19162	10391	Sisma Y SLV	0	26.4	0	0	7.3E1	0.91
19163	10391	Sisma X SLO	14.1	0	0	0	7.3E1	0.91	19164	10391	Sisma Y SLO	0	14.1	0	0	7.3E1	0.91
19165	10391	Sisma X SLD	11.7	0	0	0	7.3E1	0.91	19166	10391	Sisma Y SLD	0	11.7	0	0	7.3E1	0.91
19167	10392	Sisma X SLV	27.4	0	0	0	7.5E1	0.91	19168	10392	Sisma Y SLV	0	27.4	0	0	7.5E1	0.91
19169	10392	Sisma X SLO	14.6	0	0	0	7.5E1	0.91	19170	10392	Sisma Y SLO	0	14.6	0	0	7.5E1	0.91
19171	10392	Sisma X SLD	12.1	0	0	0	7.5E1	0.91	19172	10392	Sisma Y SLD	0	12.1	0	0	7.5E1	0.91
19173	10393	Sisma X SLV	25.8	0	0	0	70.99	0.91	19174	10393	Sisma Y SLV	0	25.8	0	0	70.99	0.91
19175	10393	Sisma X SLO	13.8	0	0	0	70.99	0.91	19176	10393	Sisma Y SLO	0	13.8	0	0	70.99	0.91
19177	10393	Sisma X SLD	11.4	0	0	0	70.99	0.91	19178	10393	Sisma Y SLD	0	11.4	0	0	70.99	0.91
19179	10394	Sisma X SLV	24.1	0	0	0	6.6E1	0.91	19180	10394	Sisma Y SLV	0	24.1	0	0	6.6E1	0.91
19181	10394	Sisma X SLO	12.8	0	0	0	6.6E1	0.91	19182	10394	Sisma Y SLO	0	12.8	0	0	6.6E1	0.91
19183	10394	Sisma X SLD	10.7	0	0	0	6.6E1	0.91	19184	10394	Sisma Y SLD	0	10.7	0	0	6.6E1	0.91
19185	10395	Sisma X SLV	22.6	0	0	0	6.2E1	0.91	19186	10395	Sisma Y SLV	0	22.6	0	0	6.2E1	0.91
19187	10395	Sisma X SLO	12.1	0	0	0	6.2E1	0.91	19188	10395	Sisma Y SLO	0	12.1	0	0	6.2E1	0.91
19189	10395	Sisma X SLD	10	0	0	0	6.2E1	0.91	19190	10395	Sisma Y SLD	0	10	0	0	6.2E1	0.91
19191	10396	Sisma X SLV	22.4	0	0	0	6.2E1	0.91	19192	10396	Sisma Y SLV	0	22.4	0	0	6.2E1	0.91
19193	10396	Sisma X SLO	11.9	0	0	0	6.2E1	0.91	19194	10396	Sisma Y SLO	0	11.9	0	0	6.2E1	0.91
19195	10396	Sisma X SLD	9.9	0	0	0	6.2E1	0.91	19196	10396	Sisma Y SLD	0	9.9	0	0	6.2E1	0.91
19197	10397	Sisma X SLV	33.2	0	0	0	9.1E1	0.91	19198	10397	Sisma Y SLV	0	33.2	0	0	9.1E1	0.91
19199	10397	Sisma X SLO	17.7	0	0	0	9.1E1	0.91	19200	10397	Sisma Y SLO	0	17.7	0	0	9.1E1	0.91
19201	10397	Sisma X SLD	14.7	0	0	0	9.1E1	0.91	19202	10397	Sisma Y SLD	0	14.7	0	0	9.1E1	0.91
19203	10398	Sisma X SLV	27.5	0	0	0	7.6E1	0.91	19204	10398	Sisma Y SLV	0	27.5	0	0	7.6E1	0.91
19205	10398	Sisma X SLO	14.7	0	0	0	7.6E1	0.91	19206	10398	Sisma Y SLO	0	14.7	0	0	7.6E1	0.91
19207	10398	Sisma X SLD	12.2	0	0	0	7.6E1	0.91	19208	10398	Sisma Y SLD	0	12.2	0	0	7.6E1	0.91
19209	10399	Sisma X SLV	25.9	0	0	0	7.1E1	0.91	19210	10399	Sisma Y SLV	0	25.9	0	0	7.1E1	0.91
19211	10399	Sisma X SLO	13.8	0	0	0	7.1E1	0.91	19212	10399	Sisma Y SLO	0	13.8	0	0	7.1E1	0.91
19213	10399	Sisma X SLD	11.5	0	0	0	7.1E1	0.91	19214	10399	Sisma Y SLD	0	11.5	0	0	7.1E1	0.91
19215	10400	Sisma X SLV	27.8	0	0	0	7.6E1	0.91	19216	10400	Sisma Y SLV	0	27.8	0	0	7.6E1	0.91
19217	10400	Sisma X SLO	14.8	0	0	0	7.6E1	0.91	19218	10400	Sisma Y SLO	0	14.8	0	0	7.6E1	0.91
19219	10400	Sisma X SLD	12.3	0	0	0	7.6E1	0.91	19220	10400	Sisma Y SLD	0	12.3	0	0	7.6E1	0.91
19221	10401	Sisma X SLV	32.9	0	0	0	9.0E1	0.91	19222	10401	Sisma Y SLV	0	32.9	0	0	9.0E1	0.91
19223	10401	Sisma X SLO	17.5	0	0	0	9.0E1	0.91	19224	10401	Sisma Y SLO	0	17.5	0	0	9.0E1	0.91
19225	10401	Sisma X SLD	14.6	0	0	0	9.0E1	0.91	19226	10401	Sisma Y SLD	0	14.6	0	0	9.0E1	0.91
19227	10402	Sisma X SLV	32.4	0	0	0	8.9E1	0.91	19228	10402	Sisma Y SLV	0	32.4	0	0	8.9E1	0.91
19229	10402	Sisma X SLO	17.3	0	0	0	8.9E1	0.91	19230	10402	Sisma Y SLO	0	17.3	0	0	8.9E1	0.91
19231	10402	Sisma X SLD	14.4	0	0	0	8.9E1	0.91	19232	10402	Sisma Y SLD	0	14.4	0	0	8.9E1	0.91
19233	10403	Sisma X SLV	27.8	0	0	0	7.7E1	0.91	19234	10403	Sisma Y SLV	0	27.8	0	0	7.7E1	0.91
19235	10403	Sisma X SLO	14.8	0	0	0	7.7E1	0.91	19236	10403	Sisma Y SLO	0	14.8	0	0	7.7E1	0.91
19237	10403	Sisma X SLD	12.3	0	0	0	7.7E1	0.91	19238	10403	Sisma Y SLD	0	12.3	0	0	7.7E1	0.91
19239	10404	Sisma X SLV	27	0	0	0	7.4E1	0.91	19240	10404	Sisma Y SLV	0	27	0	0	7.4E1	0.91
19241	10404	Sisma X SLO	14.4	0	0	0	7.4E1	0.91	19242	10404	Sisma Y SLO	0	14.4	0	0	7.4E1	0.91
19243	10404	Sisma X SLD	12	0	0	0	7.4E1	0.91	19244	10404	Sisma Y SLD	0	12	0	0	7.4E1	0.91
19245	10405	Sisma X SLV	26.2	0	0	0	7.2E1	0.91	19246	10405	Sisma Y SLV	0	26.2	0	0	7.2E1	0.91
19247	10405	Sisma X SLO	14	0	0	0	7.2E1	0.91	19248	10405	Sisma Y SLO	0	14	0	0	7.2E1	0.91
19249	10405	Sisma X SLD	11.6	0	0	0	7.2E1	0.91	19250	10405	Sisma Y SLD	0	11.6	0	0	7.2E1	0.91
19251	10406	Sisma X SLV	53.8	0	0	0	148	0.91	19252	10406	Sisma Y SLV	0	53.8	0	0	148	0.91
19253	10406	Sisma X SLO	28.7	0	0	0	148	0.91	19254	10406	Sisma Y SLO	0	28.7	0	0	148	0.91
19255	10406	Sisma X SLD	23.8	0	0	0	148	0.91	19256	10406	Sisma Y SLD	0	23.8	0	0	148	0.91
19257	10407	Sisma X SLV	50.9	0	0	0	1.4E2	0.91	19258	10407	Sisma Y SLV	0	50.9	0	0	1.4E2	0.91
19259	10407	Sisma X SLO	27.1	0	0	0	1.4E2	0.91	19260	10407	Sisma Y SLO	0	27.1	0	0	1.4E2	0.91
19261	10407	Sisma X SLD	22.5	0	0	0	1.4E2	0.91	19262	10407	Sisma Y SLD	0	22.5	0	0	1.4E2	0.91
19263	10408	Sisma X SLV	58.7	0	0	0	1.6E2	0.911	19264	10408	Sisma Y SLV	0	58.7	0	0	1.6E2	0.911
19265	10408	Sisma X SLO	31.3	0	0	0	1.6E2	0.911	19266	10408	Sisma Y SLO	0	31.3	0	0	1.6E2	0.911
19267	10408	Sisma X SLD	26	0	0	0	1.6E2	0.911	19268	10408	Sisma Y SLD	0	26	0	0	1.6E2	0.911
19269	10409	Sisma X SLV	50.4	0	0	0	1.4E2	0.911	19270	10409	Sisma Y SLV	0	50.4	0	0	1.4E2	0.911
19271	10409	Sisma X SLO	26.9	0	0	0	1.4E2	0.911	19272	10409	Sisma Y SLO	0	26.9	0	0	1.4E2	0.911
19273	10409	Sisma X SLD	22.3	0	0	0	1.4E2	0.911	19274	10409	Sisma Y SLD	0	22.3	0	0	1.4E2	0.911
19275	10410	Sisma X SLV	48.8	0	0	0	1.3E2	0.911	19276	10410	Sisma Y SLV	0	48.8	0	0	1.3E2	0.911
19277	10410	Sisma X SLO	26	0	0	0	1.3E2	0.911	19278	10410	Sisma Y SLO	0	26	0	0	1.3E2	0.911
19279	10410	Sisma X SLD	21.6	0	0	0	1.3E2	0.911	19280	10410	Sisma Y SLD	0	21.6	0	0	1.3E2	0.911
19281	10411	Sisma X SLV	48.2	0	0	0	1.3E2	0.911	19282	10411	Sisma Y SLV	0	48.2	0	0	1.3E2	0.911
19283	10411	Sisma X SLO	25.7	0	0	0	1.3E2	0.911	19284	10411	Sisma Y SLO	0	25.7	0	0	1.3E2	0.911
19285	10411	Sisma X SLD	21.3	0	0	0	1.3E2	0.911	19286	10411	Sisma Y SLD	0	21.3	0	0	1.3E2	0.911
19287	10412	Sisma X SLV	52	0	0	0	1.4E2	0.911	19288	10412	Sisma Y SLV	0	52	0	0	1.4E2	0.911
19289	10412	Sisma X SLO	27.7	0	0	0	1.4E2	0.911	19290	10412	Sisma Y SLO	0	27.7	0	0	1.4E2	0.911
19291	10412	Sisma X SLD	23	0	0	0	1.4E2	0.911	19292	10412	Sisma Y SLD	0	23	0	0	1.4E2	0.911
19293	10413	Sisma X SLV	56	0	0	0	1.5E2	0.911	19294	10413	Sisma Y SLV	0	56	0	0	1.5E2	0.911
19295	10413	Sisma X SLO	29.9	0	0	0	1.5E2	0.911	19296	10413	Sisma Y SLO	0	29.9	0	0	1.5E2	0.911
19297	10413	Sisma X SLD	24.8	0	0	0	1.5E2	0.911	19298	10413	Sisma Y SLD	0	24.8	0	0	1.5E2	0.911
19299	10414	Sisma X SLV	54.8	0	0	0	1.5E2	0.912	19300	10414	Sisma Y SLV	0	54.8	0	0	1.5E2	0.912
19301	10414	Sisma X SLO	29.2	0	0	0	1.5E2	0.912	19302	10414	Sisma Y SLO	0	29.2	0	0	1.5E2	0.912
19303	10414	Sisma X SLD	24.2	0	0	0	1.5E2	0.912	19304	10414	Sisma Y SLD	0	24.2	0	0	1.5E2	0.912
19305	10415	Sisma X SLV	49.9	0	0	0	1.4E2	0.912	19306	10415	Sisma Y SLV	0	49.9	0	0	1.4E2	0.912
19307	10415	Sisma X SLO	26.6	0	0	0	1.4E2	0.912	19308	10415	Sisma Y SLO	0	26.6	0	0	1.4E2	0.912
19309	10415	Sisma X SLD	22.1	0	0	0	1.4E2	0.912	19310	10415	Sisma Y SLD	0	22.1	0	0	1.4E2	0.912
19311	10416	Sisma X SLV	47.5	0	0	0	1.3E2	0.912	19312	10416	Sisma Y SLV	0	47.5	0	0	1.3E2	0.912

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
19313	10416	Sisma X SLO	25.3	0	0	0	1.3E2	0.912	19314	10416	Sisma Y SLO	0	25.3	0	0	1.3E2	0.912
19315	10416	Sisma X SLD	21	0	0	0	1.3E2	0.912	19316	10416	Sisma Y SLD	0	21	0	0	1.3E2	0.912
19317	10417	Sisma X SLV	50.5	0	0	0	1.4E2	0.912	19318	10417	Sisma Y SLV	0	50.5	0	0	1.4E2	0.912
19319	10417	Sisma X SLO	26.9	0	0	0	1.4E2	0.912	19320	10417	Sisma Y SLO	0	26.9	0	0	1.4E2	0.912
19321	10417	Sisma X SLD	22.3	0	0	0	1.4E2	0.912	19322	10417	Sisma Y SLD	0	22.3	0	0	1.4E2	0.912
19323	10418	Sisma X SLV	53.3	0	0	0	1.5E2	0.912	19324	10418	Sisma Y SLV	0	53.3	0	0	1.5E2	0.912
19325	10418	Sisma X SLO	28.4	0	0	0	1.5E2	0.912	19326	10418	Sisma Y SLO	0	28.4	0	0	1.5E2	0.912
19327	10418	Sisma X SLD	23.6	0	0	0	1.5E2	0.912	19328	10418	Sisma Y SLD	0	23.6	0	0	1.5E2	0.912
19329	10419	Sisma X SLV	47.5	0	0	0	1.3E2	0.912	19330	10419	Sisma Y SLV	0	47.5	0	0	1.3E2	0.912
19331	10419	Sisma X SLO	25.3	0	0	0	1.3E2	0.912	19332	10419	Sisma Y SLO	0	25.3	0	0	1.3E2	0.912
19333	10419	Sisma X SLD	21	0	0	0	1.3E2	0.912	19334	10419	Sisma Y SLD	0	21	0	0	1.3E2	0.912
19335	10420	Sisma X SLV	55.1	0	0	0	1.5E2	0.912	19336	10420	Sisma Y SLV	0	55.1	0	0	1.5E2	0.912
19337	10420	Sisma X SLO	29.4	0	0	0	1.5E2	0.912	19338	10420	Sisma Y SLO	0	29.4	0	0	1.5E2	0.912
19339	10420	Sisma X SLD	24.4	0	0	0	1.5E2	0.912	19340	10420	Sisma Y SLD	0	24.4	0	0	1.5E2	0.912
19341	10421	Sisma X SLV	53.6	0	0	0	1.5E2	0.912	19342	10421	Sisma Y SLV	0	53.6	0	0	1.5E2	0.912
19343	10421	Sisma X SLO	28.6	0	0	0	1.5E2	0.912	19344	10421	Sisma Y SLO	0	28.6	0	0	1.5E2	0.912
19345	10421	Sisma X SLD	23.7	0	0	0	1.5E2	0.912	19346	10421	Sisma Y SLD	0	23.7	0	0	1.5E2	0.912
19347	10422	Sisma X SLV	49.6	0	0	0	1.4E2	0.912	19348	10422	Sisma Y SLV	0	49.6	0	0	1.4E2	0.912
19349	10422	Sisma X SLO	26.5	0	0	0	1.4E2	0.912	19350	10422	Sisma Y SLO	0	26.5	0	0	1.4E2	0.912
19351	10422	Sisma X SLD	22	0	0	0	1.4E2	0.912	19352	10422	Sisma Y SLD	0	22	0	0	1.4E2	0.912
19353	10423	Sisma X SLV	51.3	0	0	0	1.4E2	0.912	19354	10423	Sisma Y SLV	0	51.3	0	0	1.4E2	0.912
19355	10423	Sisma X SLO	27.3	0	0	0	1.4E2	0.912	19356	10423	Sisma Y SLO	0	27.3	0	0	1.4E2	0.912
19357	10423	Sisma X SLD	22.7	0	0	0	1.4E2	0.912	19358	10423	Sisma Y SLD	0	22.7	0	0	1.4E2	0.912
19359	10424	Sisma X SLV	55.2	0	0	0	1.5E2	0.912	19360	10424	Sisma Y SLV	0	55.2	0	0	1.5E2	0.912
19361	10424	Sisma X SLO	29.4	0	0	0	1.5E2	0.912	19362	10424	Sisma Y SLO	0	29.4	0	0	1.5E2	0.912
19363	10424	Sisma X SLD	24.4	0	0	0	1.5E2	0.912	19364	10424	Sisma Y SLD	0	24.4	0	0	1.5E2	0.912
19365	10425	Sisma X SLV	43.8	0	0	0	1.2E2	0.912	19366	10425	Sisma Y SLV	0	43.8	0	0	1.2E2	0.912
19367	10425	Sisma X SLO	23.4	0	0	0	1.2E2	0.912	19368	10425	Sisma Y SLO	0	23.4	0	0	1.2E2	0.912
19369	10425	Sisma X SLD	19.4	0	0	0	1.2E2	0.912	19370	10425	Sisma Y SLD	0	19.4	0	0	1.2E2	0.912
19371	10426	Sisma X SLV	54.7	0	0	0	1.5E2	0.912	19372	10426	Sisma Y SLV	0	54.7	0	0	1.5E2	0.912
19373	10426	Sisma X SLO	29.2	0	0	0	1.5E2	0.912	19374	10426	Sisma Y SLO	0	29.2	0	0	1.5E2	0.912
19375	10426	Sisma X SLD	24.2	0	0	0	1.5E2	0.912	19376	10426	Sisma Y SLD	0	24.2	0	0	1.5E2	0.912
19377	10427	Sisma X SLV	55.4	0	0	0	1.5E2	0.913	19378	10427	Sisma Y SLV	0	55.4	0	0	1.5E2	0.913
19379	10427	Sisma X SLO	29.5	0	0	0	1.5E2	0.913	19380	10427	Sisma Y SLO	0	29.5	0	0	1.5E2	0.913
19381	10427	Sisma X SLD	24.5	0	0	0	1.5E2	0.913	19382	10427	Sisma Y SLD	0	24.5	0	0	1.5E2	0.913
19383	10428	Sisma X SLV	55.3	0	0	0	1.5E2	0.913	19384	10428	Sisma Y SLV	0	55.3	0	0	1.5E2	0.913
19385	10428	Sisma X SLO	29.5	0	0	0	1.5E2	0.913	19386	10428	Sisma Y SLO	0	29.5	0	0	1.5E2	0.913
19387	10428	Sisma X SLD	24.5	0	0	0	1.5E2	0.913	19388	10428	Sisma Y SLD	0	24.5	0	0	1.5E2	0.913
19389	10429	Sisma X SLV	53	0	0	0	1.5E2	0.913	19390	10429	Sisma Y SLV	0	53	0	0	1.5E2	0.913
19391	10429	Sisma X SLO	28.3	0	0	0	1.5E2	0.913	19392	10429	Sisma Y SLO	0	28.3	0	0	1.5E2	0.913
19393	10429	Sisma X SLD	23.5	0	0	0	1.5E2	0.913	19394	10429	Sisma Y SLD	0	23.5	0	0	1.5E2	0.913
19395	10430	Sisma X SLV	28.8	0	0	0	7.9E1	0.914	19396	10430	Sisma Y SLV	0	28.8	0	0	7.9E1	0.914
19397	10430	Sisma X SLO	15.3	0	0	0	7.9E1	0.914	19398	10430	Sisma Y SLO	0	15.3	0	0	7.9E1	0.914
19399	10430	Sisma X SLD	12.7	0	0	0	7.9E1	0.914	19400	10430	Sisma Y SLD	0	12.7	0	0	7.9E1	0.914
19401	10431	Sisma X SLV	32.5	0	0	0	8.9E1	0.914	19402	10431	Sisma Y SLV	0	32.5	0	0	8.9E1	0.914
19403	10431	Sisma X SLO	17.3	0	0	0	8.9E1	0.914	19404	10431	Sisma Y SLO	0	17.3	0	0	8.9E1	0.914
19405	10431	Sisma X SLD	14.4	0	0	0	8.9E1	0.914	19406	10431	Sisma Y SLD	0	14.4	0	0	8.9E1	0.914
19407	10432	Sisma X SLV	81.6	0	0	0	2.2E2	0.914	19408	10432	Sisma Y SLV	0	81.6	0	0	2.2E2	0.914
19409	10432	Sisma X SLO	43.5	0	0	0	2.2E2	0.914	19410	10432	Sisma Y SLO	0	43.5	0	0	2.2E2	0.914
19411	10432	Sisma X SLD	36.1	0	0	0	2.2E2	0.914	19412	10432	Sisma Y SLD	0	36.1	0	0	2.2E2	0.914
19413	10433	Sisma X SLV	64.3	0	0	0	1.8E2	0.914	19414	10433	Sisma Y SLV	0	64.3	0	0	1.8E2	0.914
19415	10433	Sisma X SLO	34.3	0	0	0	1.8E2	0.914	19416	10433	Sisma Y SLO	0	34.3	0	0	1.8E2	0.914
19417	10433	Sisma X SLD	28.5	0	0	0	1.8E2	0.914	19418	10433	Sisma Y SLD	0	28.5	0	0	1.8E2	0.914
19419	10434	Sisma X SLV	57.3	0	0	0	1.6E2	0.914	19420	10434	Sisma Y SLV	0	57.3	0	0	1.6E2	0.914
19421	10434	Sisma X SLO	30.6	0	0	0	1.6E2	0.914	19422	10434	Sisma Y SLO	0	30.6	0	0	1.6E2	0.914
19423	10434	Sisma X SLD	25.4	0	0	0	1.6E2	0.914	19424	10434	Sisma Y SLD	0	25.4	0	0	1.6E2	0.914
19425	10435	Sisma X SLV	55.7	0	0	0	1.5E2	0.914	19426	10435	Sisma Y SLV	0	55.7	0	0	1.5E2	0.914
19427	10435	Sisma X SLO	29.7	0	0	0	1.5E2	0.914	19428	10435	Sisma Y SLO	0	29.7	0	0	1.5E2	0.914
19429	10435	Sisma X SLD	24.6	0	0	0	1.5E2	0.914	19430	10435	Sisma Y SLD	0	24.6	0	0	1.5E2	0.914
19431	10436	Sisma X SLV	52.3	0	0	0	1.4E2	0.915	19432	10436	Sisma Y SLV	0	52.3	0	0	1.4E2	0.915
19433	10436	Sisma X SLO	27.9	0	0	0	1.4E2	0.915	19434	10436	Sisma Y SLO	0	27.9	0	0	1.4E2	0.915
19435	10436	Sisma X SLD	23.1	0	0	0	1.4E2	0.915	19436	10436	Sisma Y SLD	0	23.1	0	0	1.4E2	0.915
19437	10437	Sisma X SLV	51.1	0	0	0	1.4E2	0.915	19438	10437	Sisma Y SLV	0	51.1	0	0	1.4E2	0.915
19439	10437	Sisma X SLO	27.3	0	0	0	1.4E2	0.915	19440	10437	Sisma Y SLO	0	27.3	0	0	1.4E2	0.915
19441	10437	Sisma X SLD	22.6	0	0	0	1.4E2	0.915	19442	10437	Sisma Y SLD	0	22.6	0	0	1.4E2	0.915
19443	10438	Sisma X SLV	57.8	0	0	0	1.6E2	0.916	19444	10438	Sisma Y SLV	0	57.8	0	0	1.6E2	0.916
19445	10438	Sisma X SLO	30.8	0	0	0	1.6E2	0.916	19446	10438	Sisma Y SLO	0	30.8	0	0	1.6E2	0.916
19447	10438	Sisma X SLD	25.6	0	0	0	1.6E2	0.916	19448	10438	Sisma Y SLD	0	25.6	0	0	1.6E2	0.916
19449	10439	Sisma X SLV	80.9	0	0	0	2.2E2	0.916	19450	10439	Sisma Y SLV	0	80.9	0	0	2.2E2	0.916
19451	10439	Sisma X SLO	43.1	0	0	0	2.2E2	0.916	19452	10439	Sisma Y SLO	0	43.1	0	0	2.2E2	0.916
19453	10439	Sisma X SLD	35.8	0	0	0	2.2E2	0.916	19454	10439	Sisma Y SLD	0	35.8	0	0	2.2E2	0.916
19455	10440	Sisma X SLV	63.3	0	0	0	172.9	0.916	19456	10440	Sisma Y SLV	0	63.3	0	0	172.9	0.916
19457	10440	Sisma X SLO	33.8	0	0	0	172.9	0.916	19458	10440	Sisma Y SLO	0	33.8	0	0	172.9	0.916
19459	10440	Sisma X SLD	28	0	0	0	172.9	0.916	19460	10440	Sisma Y SLD	0	28	0	0	172.9	0.916
19461	10441	Sisma X SLV	57.4	0	0	0	1.6E2	0.917	19462	10441	Sisma Y SLV	0	57.4	0	0	1.6E2	0.917
19463	10441	Sisma X SLO	30.6	0	0	0	1.6E2	0.917	19464	10441	Sisma Y SLO	0	30.6	0	0	1.6E2	0.917
19465	10441	Sisma X SLD	25.4	0	0	0	1.6E2	0.917	19466	10441	Sisma Y SLD	0	25.4	0	0	1.6E2	0.917
19467	10442	Sisma X SLV	55	0	0	0	1.5E2	0.917	19468	10442	Sisma Y SLV	0	55	0	0	1.5E2	0.917
19469	10442	Sisma X SLO	29.3	0	0	0	1.5E2	0.917	19470	10442	Sisma Y SLO	0	29.3	0	0	1.5E2	0.917
19471	10442	Sisma X SLD	24.3	0	0	0	1.5E2	0.917	19472	10442	Sisma Y SLD	0	24.3	0	0	1.5E2	0.917
19473	10443	Sisma X SLV	63.7	0	0	0	1.7E2	0.917	19474	10443	Sisma Y SLV	0	63.7	0	0	1.7E2	0.917
19475	10443	Sisma X SLO	33.9	0	0	0	1.7E2	0.917	19476	10443	Sisma Y SLO	0	33.9	0	0	1.7E2	0.917
19477	10443	Sisma X SLD	28.2	0	0	0	1.7E2	0.917	19478	10443	Sisma Y SLD	0	28.2	0	0	1.7E2	0.917
19479	10444	Sisma X SLV	80.8	0	0	0	2.2E2	0.917	19480	10444	Sisma Y SLV	0	80.8	0	0	2.2E2	0.917
19481	10444	Sisma X SLO	43.1	0	0	0	2.2E2	0.917	19482	10444	Sisma Y SLO	0	43.1	0	0	2.2E2	0.917
19483	10444	Sisma X SLD	35.8	0	0	0	2.2E2	0.917	19484	10444	Sisma Y SLD	0	35.8	0	0	2.2E2	0.917
19485	10445	Sisma X SLV	57.2	0	0	0	1.6E2	0.918	19486	10445	Sisma Y SLV	0	57.2	0	0	1.6E2	0.918
19487	10445	Sisma X SLO	30.5	0	0	0	1.6E2	0.918	19488	10445	Sisma Y SLO	0	30.5	0	0	1.6E2	0.918
19489	10445	Sisma X SLD	25.3	0	0	0	1.6E2	0.918	19490	10445	Sisma Y SLD	0	25.3	0	0	1.6E2	0.918
19491	10446	Sisma X SLV	62.6	0	0	0	1.7E2	0.918	19492	10446	Sisma Y SLV	0	62.6	0	0	1.7E2	0.918
19493	10446	Sisma X SLO	33.4	0	0	0	1.7E2	0.918	19494	10446	Sisma Y SLO	0	33.4	0	0	1.7E2	0.918
19495	10446	Sisma X SLD	27.7	0	0	0	1.7E2	0.918	19496	10446	Sisma Y SLD	0	27.7	0	0	1.7E2	0.918
19497	10447	Sisma X SLV	58.4	0	0	0	1.6E2	0.918	19498	10447	Sisma Y SLV	0	58.4	0	0	1.6E2	0.918
19499	10447	Sisma X SLO	31.2	0	0	0	1.6E2	0.918	19500	10447	Sisma Y SLO	0	31.2	0	0	1.6E2	0.918
19501	10447	Sisma X SLD	25.9	0	0	0	1.6E2	0.918	19502	10447	Sisma Y SLD	0	25.9	0	0	1.6E2	0.918
19503	10448	Sisma X SLV	54.9	0	0	0	1.5E2	0.918	19504	10448	Sisma Y SLV	0	54.9	0	0	1.5E2	0.918
19505	10448	Sisma X SLO	29.3	0	0	0	1.5E2	0.918	19506	10448	Sisma Y SLO	0	29.3	0	0	1.5E2	0.918
19507	10448	Sisma X SLD	24.3	0	0	0	1.5E2	0.918	19508	10448	Sisma Y SLD	0	24.3	0	0	1.5E2	0.918
19509	10449	Sisma X SLV	80.9	0	0	0	2.2E2	0.918	19510	10449	Sisma Y SLV	0	80.9	0	0	2.2E2	0.918
19511	10449	Sisma X SLO	43.1	0	0	0	2.2E2	0.918	19512	10449	Sisma Y SLO	0	43.1	0	0	2.2E2	0.918

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
19513	10449	Sisma X SLD	35.8	0	0	0	2.2E2	0.918	19514	10449	Sisma Y SLD	0	35.8	0	0	2.2E2	0.918
19515	10450	Sisma X SLV	44.5	0	0	0	1.2E2	0.918	19516	10450	Sisma Y SLV	0	44.5	0	0	1.2E2	0.918
19517	10450	Sisma X SLO	23.7	0	0	0	1.2E2	0.918	19518	10450	Sisma Y SLO	0	23.7	0	0	1.2E2	0.918
19519	10450	Sisma X SLD	19.7	0	0	0	1.2E2	0.918	19520	10450	Sisma Y SLD	0	19.7	0	0	1.2E2	0.918
19521	10451	Sisma X SLV	61.9	0	0	0	1.7E2	0.918	19522	10451	Sisma Y SLV	0	61.9	0	0	1.7E2	0.918
19523	10451	Sisma X SLO	33	0	0	0	1.7E2	0.918	19524	10451	Sisma Y SLO	0	33	0	0	1.7E2	0.918
19525	10451	Sisma X SLD	27.4	0	0	0	1.7E2	0.918	19526	10451	Sisma Y SLD	0	27.4	0	0	1.7E2	0.918
19527	10452	Sisma X SLV	59.7	0	0	0	1.6E2	0.918	19528	10452	Sisma Y SLV	0	59.7	0	0	1.6E2	0.918
19529	10452	Sisma X SLO	31.8	0	0	0	1.6E2	0.918	19530	10452	Sisma Y SLO	0	31.8	0	0	1.6E2	0.918
19531	10452	Sisma X SLD	26.4	0	0	0	1.6E2	0.918	19532	10452	Sisma Y SLD	0	26.4	0	0	1.6E2	0.918
19533	10453	Sisma X SLV	55	0	0	0	1.5E2	0.918	19534	10453	Sisma Y SLV	0	55	0	0	1.5E2	0.918
19535	10453	Sisma X SLO	29.3	0	0	0	1.5E2	0.918	19536	10453	Sisma Y SLO	0	29.3	0	0	1.5E2	0.918
19537	10453	Sisma X SLD	24.3	0	0	0	1.5E2	0.918	19538	10453	Sisma Y SLD	0	24.3	0	0	1.5E2	0.918
19539	10454	Sisma X SLV	61.3	0	0	0	1.7E2	0.919	19540	10454	Sisma Y SLV	0	61.3	0	0	1.7E2	0.919
19541	10454	Sisma X SLO	32.7	0	0	0	1.7E2	0.919	19542	10454	Sisma Y SLO	0	32.7	0	0	1.7E2	0.919
19543	10454	Sisma X SLD	27.1	0	0	0	1.7E2	0.919	19544	10454	Sisma Y SLD	0	27.1	0	0	1.7E2	0.919
19545	10455	Sisma X SLV	60.6	0	0	0	1.7E2	0.919	19546	10455	Sisma Y SLV	0	60.6	0	0	1.7E2	0.919
19547	10455	Sisma X SLO	32.3	0	0	0	1.7E2	0.919	19548	10455	Sisma Y SLO	0	32.3	0	0	1.7E2	0.919
19549	10455	Sisma X SLD	26.8	0	0	0	1.7E2	0.919	19550	10455	Sisma Y SLD	0	26.8	0	0	1.7E2	0.919
19551	10456	Sisma X SLV	68	0	0	0	1.9E2	0.919	19552	10456	Sisma Y SLV	0	68	0	0	1.9E2	0.919
19553	10456	Sisma X SLO	36.2	0	0	0	1.9E2	0.919	19554	10456	Sisma Y SLO	0	36.2	0	0	1.9E2	0.919
19555	10456	Sisma X SLD	30.1	0	0	0	1.9E2	0.919	19556	10456	Sisma Y SLD	0	30.1	0	0	1.9E2	0.919
19557	10457	Sisma X SLV	55.1	0	0	0	1.5E2	0.919	19558	10457	Sisma Y SLV	0	55.1	0	0	1.5E2	0.919
19559	10457	Sisma X SLO	29.4	0	0	0	1.5E2	0.919	19560	10457	Sisma Y SLO	0	29.4	0	0	1.5E2	0.919
19561	10457	Sisma X SLD	24.4	0	0	0	1.5E2	0.919	19562	10457	Sisma Y SLD	0	24.4	0	0	1.5E2	0.919
19563	10458	Sisma X SLV	53.1	0	0	0	1.4E2	0.919	19564	10458	Sisma Y SLV	0	53.1	0	0	1.4E2	0.919
19565	10458	Sisma X SLO	28.3	0	0	0	1.4E2	0.919	19566	10458	Sisma Y SLO	0	28.3	0	0	1.4E2	0.919
19567	10458	Sisma X SLD	23.5	0	0	0	1.4E2	0.919	19568	10458	Sisma Y SLD	0	23.5	0	0	1.4E2	0.919
19569	10459	Sisma X SLV	31.4	0	0	0	8.5E1	0.919	19570	10459	Sisma Y SLV	0	31.4	0	0	8.5E1	0.919
19571	10459	Sisma X SLO	16.7	0	0	0	8.5E1	0.919	19572	10459	Sisma Y SLO	0	16.7	0	0	8.5E1	0.919
19573	10459	Sisma X SLD	13.9	0	0	0	8.5E1	0.919	19574	10459	Sisma Y SLD	0	13.9	0	0	8.5E1	0.919
19575	10460	Sisma X SLV	58.1	0	0	0	1.6E2	0.919	19576	10460	Sisma Y SLV	0	58.1	0	0	1.6E2	0.919
19577	10460	Sisma X SLO	31	0	0	0	1.6E2	0.919	19578	10460	Sisma Y SLO	0	31	0	0	1.6E2	0.919
19579	10460	Sisma X SLD	25.7	0	0	0	1.6E2	0.919	19580	10460	Sisma Y SLD	0	25.7	0	0	1.6E2	0.919
19581	10461	Sisma X SLV	52.2	0	0	0	1.4E2	0.919	19582	10461	Sisma Y SLV	0	52.2	0	0	1.4E2	0.919
19583	10461	Sisma X SLO	27.8	0	0	0	1.4E2	0.919	19584	10461	Sisma Y SLO	0	27.8	0	0	1.4E2	0.919
19585	10461	Sisma X SLD	23.1	0	0	0	1.4E2	0.919	19586	10461	Sisma Y SLD	0	23.1	0	0	1.4E2	0.919
19587	10462	Sisma X SLV	58.1	0	0	0	1.6E2	0.919	19588	10462	Sisma Y SLV	0	58.1	0	0	1.6E2	0.919
19589	10462	Sisma X SLO	31	0	0	0	1.6E2	0.919	19590	10462	Sisma Y SLO	0	31	0	0	1.6E2	0.919
19591	10462	Sisma X SLD	25.7	0	0	0	1.6E2	0.919	19592	10462	Sisma Y SLD	0	25.7	0	0	1.6E2	0.919
19593	10463	Sisma X SLV	58.2	0	0	0	1.6E2	0.919	19594	10463	Sisma Y SLV	0	58.2	0	0	1.6E2	0.919
19595	10463	Sisma X SLO	31	0	0	0	1.6E2	0.919	19596	10463	Sisma Y SLO	0	31	0	0	1.6E2	0.919
19597	10463	Sisma X SLD	25.7	0	0	0	1.6E2	0.919	19598	10463	Sisma Y SLD	0	25.7	0	0	1.6E2	0.919
19599	10464	Sisma X SLV	47.7	0	0	0	1.3E2	0.92	19600	10464	Sisma Y SLV	0	47.7	0	0	1.3E2	0.92
19601	10464	Sisma X SLO	25.4	0	0	0	1.3E2	0.92	19602	10464	Sisma Y SLO	0	25.4	0	0	1.3E2	0.92
19603	10464	Sisma X SLD	21.1	0	0	0	1.3E2	0.92	19604	10464	Sisma Y SLD	0	21.1	0	0	1.3E2	0.92
19605	10465	Sisma X SLV	58.2	0	0	0	1.6E2	0.92	19606	10465	Sisma Y SLV	0	58.2	0	0	1.6E2	0.92
19607	10465	Sisma X SLO	31	0	0	0	1.6E2	0.92	19608	10465	Sisma Y SLO	0	31	0	0	1.6E2	0.92
19609	10465	Sisma X SLD	25.7	0	0	0	1.6E2	0.92	19610	10465	Sisma Y SLD	0	25.7	0	0	1.6E2	0.92
19611	10466	Sisma X SLV	58.1	0	0	0	1.6E2	0.92	19612	10466	Sisma Y SLV	0	58.1	0	0	1.6E2	0.92
19613	10466	Sisma X SLO	31	0	0	0	1.6E2	0.92	19614	10466	Sisma Y SLO	0	31	0	0	1.6E2	0.92
19615	10466	Sisma X SLD	25.7	0	0	0	1.6E2	0.92	19616	10466	Sisma Y SLD	0	25.7	0	0	1.6E2	0.92
19617	10467	Sisma X SLV	58	0	0	0	1.6E2	0.92	19618	10467	Sisma Y SLV	0	58	0	0	1.6E2	0.92
19619	10467	Sisma X SLO	30.9	0	0	0	1.6E2	0.92	19620	10467	Sisma Y SLO	0	30.9	0	0	1.6E2	0.92
19621	10467	Sisma X SLD	25.7	0	0	0	1.6E2	0.92	19622	10467	Sisma Y SLD	0	25.7	0	0	1.6E2	0.92
19623	10468	Sisma X SLV	57.2	0	0	0	1.6E2	0.92	19624	10468	Sisma Y SLV	0	57.2	0	0	1.6E2	0.92
19625	10468	Sisma X SLO	30.5	0	0	0	1.6E2	0.92	19626	10468	Sisma Y SLO	0	30.5	0	0	1.6E2	0.92
19627	10468	Sisma X SLD	25.3	0	0	0	1.6E2	0.92	19628	10468	Sisma Y SLD	0	25.3	0	0	1.6E2	0.92
19629	10469	Sisma X SLV	57.6	0	0	0	1.6E2	0.92	19630	10469	Sisma Y SLV	0	57.6	0	0	1.6E2	0.92
19631	10469	Sisma X SLO	30.7	0	0	0	1.6E2	0.92	19632	10469	Sisma Y SLO	0	30.7	0	0	1.6E2	0.92
19633	10469	Sisma X SLD	25.5	0	0	0	1.6E2	0.92	19634	10469	Sisma Y SLD	0	25.5	0	0	1.6E2	0.92
19635	10470	Sisma X SLV	57.2	0	0	0	1.6E2	0.92	19636	10470	Sisma Y SLV	0	57.2	0	0	1.6E2	0.92
19637	10470	Sisma X SLO	30.5	0	0	0	1.6E2	0.92	19638	10470	Sisma Y SLO	0	30.5	0	0	1.6E2	0.92
19639	10470	Sisma X SLD	25.3	0	0	0	1.6E2	0.92	19640	10470	Sisma Y SLD	0	25.3	0	0	1.6E2	0.92
19641	10471	Sisma X SLV	56.8	0	0	0	1.5E2	0.92	19642	10471	Sisma Y SLV	0	56.8	0	0	1.5E2	0.92
19643	10471	Sisma X SLO	30.3	0	0	0	1.5E2	0.92	19644	10471	Sisma Y SLO	0	30.3	0	0	1.5E2	0.92
19645	10471	Sisma X SLD	25.1	0	0	0	1.5E2	0.92	19646	10471	Sisma Y SLD	0	25.1	0	0	1.5E2	0.92
19647	10472	Sisma X SLV	56.4	0	0	0	1.5E2	0.92	19648	10472	Sisma Y SLV	0	56.4	0	0	1.5E2	0.92
19649	10472	Sisma X SLO	30.1	0	0	0	1.5E2	0.92	19650	10472	Sisma Y SLO	0	30.1	0	0	1.5E2	0.92
19651	10472	Sisma X SLD	25	0	0	0	1.5E2	0.92	19652	10472	Sisma Y SLD	0	25	0	0	1.5E2	0.92
19653	10473	Sisma X SLV	56.6	0	0	0	1.5E2	0.921	19654	10473	Sisma Y SLV	0	56.6	0	0	1.5E2	0.921
19655	10473	Sisma X SLO	30.2	0	0	0	1.5E2	0.921	19656	10473	Sisma Y SLO	0	30.2	0	0	1.5E2	0.921
19657	10473	Sisma X SLD	25.1	0	0	0	1.5E2	0.921	19658	10473	Sisma Y SLD	0	25.1	0	0	1.5E2	0.921
19659	10474	Sisma X SLV	58.1	0	0	0	1.6E2	0.921	19660	10474	Sisma Y SLV	0	58.1	0	0	1.6E2	0.921
19661	10474	Sisma X SLO	31	0	0	0	1.6E2	0.921	19662	10474	Sisma Y SLO	0	31	0	0	1.6E2	0.921
19663	10474	Sisma X SLD	25.7	0	0	0	1.6E2	0.921	19664	10474	Sisma Y SLD	0	25.7	0	0	1.6E2	0.921
19665	10475	Sisma X SLV	58.3	0	0	0	1.6E2	0.921	19666	10475	Sisma Y SLV	0	58.3	0	0	1.6E2	0.921
19667	10475	Sisma X SLO	31.1	0	0	0	1.6E2	0.921	19668	10475	Sisma Y SLO	0	31.1	0	0	1.6E2	0.921
19669	10475	Sisma X SLD	25.8	0	0	0	1.6E2	0.921	19670	10475	Sisma Y SLD	0	25.8	0	0	1.6E2	0.921
19671	10476	Sisma X SLV	59.8	0	0	0	1.6E2	0.921	19672	10476	Sisma Y SLV	0	59.8	0	0	1.6E2	0.921
19673	10476	Sisma X SLO	31.9	0	0	0	1.6E2	0.921	19674	10476	Sisma Y SLO	0	31.9	0	0	1.6E2	0.921
19675	10476	Sisma X SLD	26.4	0	0	0	1.6E2	0.921	19676	10476	Sisma Y SLD	0	26.4	0	0	1.6E2	0.921
19677	10477	Sisma X SLV	60.6	0	0	0	1.6E2	0.921	19678	10477	Sisma Y SLV	0	60.6	0	0	1.6E2	0.921
19679	10477	Sisma X SLO	32.3	0	0	0	1.6E2	0.921	19680	10477	Sisma Y SLO	0	32.3	0	0	1.6E2	0.921
19681	10477	Sisma X SLD	26.8	0	0	0	1.6E2	0.921	19682	10477	Sisma Y SLD	0	26.8	0	0	1.6E2	0.921
19683	10478	Sisma X SLV	60.8	0	0	0	1.7E2	0.921	19684	10478	Sisma Y SLV	0	60.8	0	0	1.7E2	0.921
19685	10478	Sisma X SLO	32.4	0	0	0	1.7E2	0.921	19686	10478	Sisma Y SLO	0	32.4	0	0	1.7E2	0.921
19687	10478	Sisma X SLD	26.9	0	0	0	1.7E2	0.921	19688	10478	Sisma Y SLD	0	26.9	0	0	1.7E2	0.921
19689	10479	Sisma X SLV	59.6	0	0	0	1.6E2	0.921	19690	10479	Sisma Y SLV	0	59.6	0	0	1.6E2	0.921
19691	10479	Sisma X SLO	31.8	0	0	0	1.6E2	0.921	19692	10479	Sisma Y SLO	0	31.8	0	0	1.6E2	0.921
19693	10479	Sisma X SLD	26.4	0	0	0	1.6E2	0.921	19694	10479	Sisma Y SLD	0	26.4	0	0	1.6E2	0.921
19695	10480	Sisma X SLV	38.3	0	0	0	1.0E2	0.921	19696	10480	Sisma Y SLV	0	38.3	0	0	1.0E2	0.921
19697	10480	Sisma X SLO	20.4	0	0	0	1.0E2	0.921	19698	10480	Sisma Y SLO	0	20.4	0	0	1.0E2	0.921
19699	10480	Sisma X SLD	17	0	0	0	1.0E2	0.921	19700	10480	Sisma Y SLD	0	17	0	0	1.0E2	0.921
19701	10481	Sisma X SLV	40.8	0	0	0	1.1E2	0.921	19702	10481	Sisma Y SLV	0	40.8	0	0	1.1E2	0.921
19703	10481	Sisma X SLO	21.8	0	0	0	1.1E2	0.921	19704	10481	Sisma Y SLO	0	21.8	0	0	1.1E2	0.921
19705	10481	Sisma X SLD	18.1	0	0	0	1.1E2	0.921	19706	10481	Sisma Y SLD	0	18.1	0	0	1.1E2	0.921
19707	10482	Sisma X SLV	60.4	0	0	0	1.6E2	0.921	19708	10482	Sisma Y SLV	0	60.4	0	0	1.6E2	0.921
19709	10482	Sisma X SLO	32.2	0	0	0	1.6E2	0.921	19710	10482	Sisma Y SLO	0	32.2	0	0	1.6E2	0.921
19711	10482	Sisma X SLD	26.7	0	0	0	1.6E2	0.921	19712	10482	Sisma Y SLD	0	26.7	0	0	1.6E2	0.921

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
19713	10483	Sisma X SLV	55.7	0	0	0	151.2	0.922	19714	10483	Sisma Y SLV	0	55.7	0	0	151.2	0.922
19715	10483	Sisma X SLO	29.7	0	0	0	151.2	0.922	19716	10483	Sisma Y SLO	0	29.7	0	0	151.2	0.922
19717	10483	Sisma X SLD	24.6	0	0	0	151.2	0.922	19718	10483	Sisma Y SLD	0	24.6	0	0	151.2	0.922
19719	10484	Sisma X SLV	28.6	0	0	0	7.8E1	0.922	19720	10484	Sisma Y SLV	0	28.6	0	0	7.8E1	0.922
19721	10484	Sisma X SLO	15.3	0	0	0	7.8E1	0.922	19722	10484	Sisma Y SLO	0	15.3	0	0	7.8E1	0.922
19723	10484	Sisma X SLD	12.7	0	0	0	7.8E1	0.922	19724	10484	Sisma Y SLD	0	12.7	0	0	7.8E1	0.922
19725	10485	Sisma X SLV	40.3	0	0	0	1.1E2	0.922	19726	10485	Sisma Y SLV	0	40.3	0	0	1.1E2	0.922
19727	10485	Sisma X SLO	21.5	0	0	0	1.1E2	0.922	19728	10485	Sisma Y SLO	0	21.5	0	0	1.1E2	0.922
19729	10485	Sisma X SLD	17.8	0	0	0	1.1E2	0.922	19730	10485	Sisma Y SLD	0	17.8	0	0	1.1E2	0.922
19731	10486	Sisma X SLV	39.7	0	0	0	1.1E2	0.922	19732	10486	Sisma Y SLV	0	39.7	0	0	1.1E2	0.922
19733	10486	Sisma X SLO	21.1	0	0	0	1.1E2	0.922	19734	10486	Sisma Y SLO	0	21.1	0	0	1.1E2	0.922
19735	10486	Sisma X SLD	17.5	0	0	0	1.1E2	0.922	19736	10486	Sisma Y SLD	0	17.5	0	0	1.1E2	0.922
19737	10487	Sisma X SLV	56	0	0	0	1.5E2	0.924	19738	10487	Sisma Y SLV	0	56	0	0	1.5E2	0.924
19739	10487	Sisma X SLO	29.9	0	0	0	1.5E2	0.924	19740	10487	Sisma Y SLO	0	29.9	0	0	1.5E2	0.924
19741	10487	Sisma X SLD	24.8	0	0	0	1.5E2	0.924	19742	10487	Sisma Y SLD	0	24.8	0	0	1.5E2	0.924
19743	10488	Sisma X SLV	63.2	0	0	0	1.7E2	0.925	19744	10488	Sisma Y SLV	0	63.2	0	0	1.7E2	0.925
19745	10488	Sisma X SLO	33.7	0	0	0	1.7E2	0.925	19746	10488	Sisma Y SLO	0	33.7	0	0	1.7E2	0.925
19747	10488	Sisma X SLD	28	0	0	0	1.7E2	0.925	19748	10488	Sisma Y SLD	0	28	0	0	1.7E2	0.925
19749	10489	Sisma X SLV	52.2	0	0	0	1.4E2	0.925	19750	10489	Sisma Y SLV	0	52.2	0	0	1.4E2	0.925
19751	10489	Sisma X SLO	27.8	0	0	0	1.4E2	0.925	19752	10489	Sisma Y SLO	0	27.8	0	0	1.4E2	0.925
19753	10489	Sisma X SLD	23.1	0	0	0	1.4E2	0.925	19754	10489	Sisma Y SLD	0	23.1	0	0	1.4E2	0.925
19755	10490	Sisma X SLV	29	0	0	0	7.8E1	0.925	19756	10490	Sisma Y SLV	0	29	0	0	7.8E1	0.925
19757	10490	Sisma X SLO	15.5	0	0	0	7.8E1	0.925	19758	10490	Sisma Y SLO	0	15.5	0	0	7.8E1	0.925
19759	10490	Sisma X SLD	12.8	0	0	0	7.8E1	0.925	19760	10490	Sisma Y SLD	0	12.8	0	0	7.8E1	0.925
19761	10491	Sisma X SLV	56.5	0	0	0	1.5E2	0.926	19762	10491	Sisma Y SLV	0	56.5	0	0	1.5E2	0.926
19763	10491	Sisma X SLO	30.1	0	0	0	1.5E2	0.926	19764	10491	Sisma Y SLO	0	30.1	0	0	1.5E2	0.926
19765	10491	Sisma X SLD	25	0	0	0	1.5E2	0.926	19766	10491	Sisma Y SLD	0	25	0	0	1.5E2	0.926
19767	10492	Sisma X SLV	58.3	0	0	0	1.6E2	0.926	19768	10492	Sisma Y SLV	0	58.3	0	0	1.6E2	0.926
19769	10492	Sisma X SLO	31.1	0	0	0	1.6E2	0.926	19770	10492	Sisma Y SLO	0	31.1	0	0	1.6E2	0.926
19771	10492	Sisma X SLD	25.8	0	0	0	1.6E2	0.926	19772	10492	Sisma Y SLD	0	25.8	0	0	1.6E2	0.926
19773	10493	Sisma X SLV	56.4	0	0	0	1.5E2	0.927	19774	10493	Sisma Y SLV	0	56.4	0	0	1.5E2	0.927
19775	10493	Sisma X SLO	30	0	0	0	1.5E2	0.927	19776	10493	Sisma Y SLO	0	30	0	0	1.5E2	0.927
19777	10493	Sisma X SLD	24.9	0	0	0	1.5E2	0.927	19778	10493	Sisma Y SLD	0	24.9	0	0	1.5E2	0.927
19779	10494	Sisma X SLV	53.5	0	0	0	144.4	0.927	19780	10494	Sisma Y SLV	0	53.5	0	0	144.4	0.927
19781	10494	Sisma X SLO	28.5	0	0	0	144.4	0.927	19782	10494	Sisma Y SLO	0	28.5	0	0	144.4	0.927
19783	10494	Sisma X SLD	23.7	0	0	0	144.4	0.927	19784	10494	Sisma Y SLD	0	23.7	0	0	144.4	0.927
19785	10495	Sisma X SLV	59.6	0	0	0	1.6E2	0.927	19786	10495	Sisma Y SLV	0	59.6	0	0	1.6E2	0.927
19787	10495	Sisma X SLO	31.8	0	0	0	1.6E2	0.927	19788	10495	Sisma Y SLO	0	31.8	0	0	1.6E2	0.927
19789	10495	Sisma X SLD	26.4	0	0	0	1.6E2	0.927	19790	10495	Sisma Y SLD	0	26.4	0	0	1.6E2	0.927
19791	10496	Sisma X SLV	63.7	0	0	0	1.7E2	0.927	19792	10496	Sisma Y SLV	0	63.7	0	0	1.7E2	0.927
19793	10496	Sisma X SLO	34	0	0	0	1.7E2	0.927	19794	10496	Sisma Y SLO	0	34	0	0	1.7E2	0.927
19795	10496	Sisma X SLD	28.2	0	0	0	1.7E2	0.927	19796	10496	Sisma Y SLD	0	28.2	0	0	1.7E2	0.927
19797	10497	Sisma X SLV	60.1	0	0	0	1.6E2	0.928	19798	10497	Sisma Y SLV	0	60.1	0	0	1.6E2	0.928
19799	10497	Sisma X SLO	32.1	0	0	0	1.6E2	0.928	19800	10497	Sisma Y SLO	0	32.1	0	0	1.6E2	0.928
19801	10497	Sisma X SLD	26.6	0	0	0	1.6E2	0.928	19802	10497	Sisma Y SLD	0	26.6	0	0	1.6E2	0.928
19803	10498	Sisma X SLV	54.7	0	0	0	1.5E2	0.928	19804	10498	Sisma Y SLV	0	54.7	0	0	1.5E2	0.928
19805	10498	Sisma X SLO	29.2	0	0	0	1.5E2	0.928	19806	10498	Sisma Y SLO	0	29.2	0	0	1.5E2	0.928
19807	10498	Sisma X SLD	24.2	0	0	0	1.5E2	0.928	19808	10498	Sisma Y SLD	0	24.2	0	0	1.5E2	0.928
19809	10499	Sisma X SLV	54.5	0	0	0	1.5E2	0.929	19810	10499	Sisma Y SLV	0	54.5	0	0	1.5E2	0.929
19811	10499	Sisma X SLO	29.1	0	0	0	1.5E2	0.929	19812	10499	Sisma Y SLO	0	29.1	0	0	1.5E2	0.929
19813	10499	Sisma X SLD	24.1	0	0	0	1.5E2	0.929	19814	10499	Sisma Y SLD	0	24.1	0	0	1.5E2	0.929
19815	10500	Sisma X SLV	26.3	0	0	0	7.0E1	0.934	19816	10500	Sisma Y SLV	0	26.3	0	0	7.0E1	0.934
19817	10500	Sisma X SLO	14	0	0	0	7.0E1	0.934	19818	10500	Sisma Y SLO	0	14	0	0	7.0E1	0.934
19819	10500	Sisma X SLD	11.6	0	0	0	7.0E1	0.934	19820	10500	Sisma Y SLD	0	11.6	0	0	7.0E1	0.934
19821	10501	Sisma X SLV	27.5	0	0	0	7.4E1	0.934	19822	10501	Sisma Y SLV	0	27.5	0	0	7.4E1	0.934
19823	10501	Sisma X SLO	14.7	0	0	0	7.4E1	0.934	19824	10501	Sisma Y SLO	0	14.7	0	0	7.4E1	0.934
19825	10501	Sisma X SLD	12.2	0	0	0	7.4E1	0.934	19826	10501	Sisma Y SLD	0	12.2	0	0	7.4E1	0.934
19827	10502	Sisma X SLV	26.1	0	0	0	7.0E1	0.936	19828	10502	Sisma Y SLV	0	26.1	0	0	7.0E1	0.936
19829	10502	Sisma X SLO	13.9	0	0	0	7.0E1	0.936	19830	10502	Sisma Y SLO	0	13.9	0	0	7.0E1	0.936
19831	10502	Sisma X SLD	11.6	0	0	0	7.0E1	0.936	19832	10502	Sisma Y SLD	0	11.6	0	0	7.0E1	0.936
19833	10503	Sisma X SLV	26.2	0	0	0	7.0E1	0.936	19834	10503	Sisma Y SLV	0	26.2	0	0	7.0E1	0.936
19835	10503	Sisma X SLO	14	0	0	0	7.0E1	0.936	19836	10503	Sisma Y SLO	0	14	0	0	7.0E1	0.936
19837	10503	Sisma X SLD	11.6	0	0	0	7.0E1	0.936	19838	10503	Sisma Y SLD	0	11.6	0	0	7.0E1	0.936
19839	10504	Sisma X SLV	26.2	0	0	0	7.0E1	0.939	19840	10504	Sisma Y SLV	0	26.2	0	0	7.0E1	0.939
19841	10504	Sisma X SLO	14	0	0	0	7.0E1	0.939	19842	10504	Sisma Y SLO	0	14	0	0	7.0E1	0.939
19843	10504	Sisma X SLD	11.6	0	0	0	7.0E1	0.939	19844	10504	Sisma Y SLD	0	11.6	0	0	7.0E1	0.939
19845	10505	Sisma X SLV	26.8	0	0	0	7.1E1	0.939	19846	10505	Sisma Y SLV	0	26.8	0	0	7.1E1	0.939
19847	10505	Sisma X SLO	14.3	0	0	0	7.1E1	0.939	19848	10505	Sisma Y SLO	0	14.3	0	0	7.1E1	0.939
19849	10505	Sisma X SLD	11.8	0	0	0	7.1E1	0.939	19850	10505	Sisma Y SLD	0	11.8	0	0	7.1E1	0.939
19851	10506	Sisma X SLV	23.3	0	0	0	6.1E1	0.961	19852	10506	Sisma Y SLV	0	23.3	0	0	6.1E1	0.961
19853	10506	Sisma X SLO	12.4	0	0	0	6.1E1	0.961	19854	10506	Sisma Y SLO	0	12.4	0	0	6.1E1	0.961
19855	10506	Sisma X SLD	10.3	0	0	0	6.1E1	0.961	19856	10506	Sisma Y SLD	0	10.3	0	0	6.1E1	0.961
19857	10507	Sisma X SLV	14.9	0	0	0	3.9E1	0.962	19858	10507	Sisma Y SLV	0	14.9	0	0	3.9E1	0.962
19859	10507	Sisma X SLO	7.9	0	0	0	3.9E1	0.962	19860	10507	Sisma Y SLO	0	7.9	0	0	3.9E1	0.962
19861	10507	Sisma X SLD	6.6	0	0	0	3.9E1	0.962	19862	10507	Sisma Y SLD	0	6.6	0	0	3.9E1	0.962
19863	10508	Sisma X SLV	14.4	0	0	0	3.7E1	0.963	19864	10508	Sisma Y SLV	0	14.4	0	0	3.7E1	0.963
19865	10508	Sisma X SLO	7.7	0	0	0	3.7E1	0.963	19866	10508	Sisma Y SLO	0	7.7	0	0	3.7E1	0.963
19867	10508	Sisma X SLD	6.4	0	0	0	3.7E1	0.963	19868	10508	Sisma Y SLD	0	6.4	0	0	3.7E1	0.963
19869	10509	Sisma X SLV	16.2	0	0	0	4.2E1	0.963	19870	10509	Sisma Y SLV	0	16.2	0	0	4.2E1	0.963
19871	10509	Sisma X SLO	8.7	0	0	0	4.2E1	0.963	19872	10509	Sisma Y SLO	0	8.7	0	0	4.2E1	0.963
19873	10509	Sisma X SLD	7.2	0	0	0	4.2E1	0.963	19874	10509	Sisma Y SLD	0	7.2	0	0	4.2E1	0.963
19875	10510	Sisma X SLV	14.6	0	0	0	3.8E1	0.963	19876	10510	Sisma Y SLV	0	14.6	0	0	3.8E1	0.963
19877	10510	Sisma X SLO	7.8	0	0	0	3.8E1	0.963	19878	10510	Sisma Y SLO	0	7.8	0	0	3.8E1	0.963
19879	10510	Sisma X SLD	6.5	0	0	0	3.8E1	0.963	19880	10510	Sisma Y SLD	0	6.5	0	0	3.8E1	0.963
19881	10511	Sisma X SLV	16.1	0	0	0	4.2E1	0.964	19882	10511	Sisma Y SLV	0	16.1	0	0	4.2E1	0.964
19883	10511	Sisma X SLO	8.6	0	0	0	4.2E1	0.964	19884	10511	Sisma Y SLO	0	8.6	0	0	4.2E1	0.964
19885	10511	Sisma X SLD	7.1	0	0	0	4.2E1	0.964	19886	10511	Sisma Y SLD	0	7.1	0	0	4.2E1	0.964
19887	10512	Sisma X SLV	13.8	0	0	0	3.6E1	0.964	19888	10512	Sisma Y SLV	0	13.8	0	0	3.6E1	0.964
19889	10512	Sisma X SLO	7.3	0	0	0	3.6E1	0.964	19890	10512	Sisma Y SLO	0	7.3	0	0	3.6E1	0.964
19891	10512	Sisma X SLD	6.1	0	0	0	3.6E1	0.964	19892	10512	Sisma Y SLD	0	6.1	0	0	3.6E1	0.964
19893	10513	Sisma X SLV	19.4	0	0	0	5.0E1	0.964	19894	10513	Sisma Y SLV	0	19.4	0	0	5.0E1	0.964
19895	10513	Sisma X SLO	10.4	0	0	0	5.0E1	0.964	19896	10513	Sisma Y SLO	0	10.4	0	0	5.0E1	0.964
19897	10513	Sisma X SLD	8.6	0	0	0	5.0E1	0.964	19898	10513	Sisma Y SLD	0	8.6	0	0	5.0E1	0.964
19899	10514	Sisma X SLV	15.5	0	0	0	4.0E1	0.964	19900	10514	Sisma Y SLV	0	15.5	0	0	4.0E1	0.964
19901	10514	Sisma X SLO	8.3	0	0	0	4.0E1	0.964	19902	10514	Sisma Y SLO	0	8.3	0	0	4.0E1	0.964
19903	10514	Sisma X SLD	6.9	0	0	0	4.0E1	0.964	19904	10514	Sisma Y SLD	0	6.9	0	0	4.0E1	0.964
19905	10515	Sisma X SLV	15.8	0	0	0	41.1	0.965	19906	10515	Sisma Y SLV	0	15.8	0	0	41.1	0.965
19907	10515	Sisma X SLO	8.4	0	0	0	41.1	0.965	19908	10515	Sisma Y SLO	0	8.4	0	0	41.1	0.965
19909	10515	Sisma X SLD	7	0	0	0	41.1	0.965	19910	10515	Sisma Y SLD	0	7	0	0	41.1	0.965
19911	10516	Sisma X SLV	14.7	0	0	0	3.8E1	0.965	19912	10516	Sisma Y SLV	0	14.7	0	0	3.8E1	0.965

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
19913	10516	Sisma X SLO	7.8	0	0	0	3.8E1	0.965	19914	10516	Sisma Y SLO	0	7.8	0	0	3.8E1	0.965
19915	10516	Sisma X SLD	6.5	0	0	0	3.8E1	0.965	19916	10516	Sisma Y SLD	0	6.5	0	0	3.8E1	0.965
19917	10517	Sisma X SLV	19.8	0	0	0	5.1E1	0.966	19918	10517	Sisma Y SLV	0	19.8	0	0	5.1E1	0.966
19919	10517	Sisma X SLO	10.6	0	0	0	5.1E1	0.966	19920	10517	Sisma Y SLO	0	10.6	0	0	5.1E1	0.966
19921	10517	Sisma X SLD	8.8	0	0	0	5.1E1	0.966	19922	10517	Sisma Y SLD	0	8.8	0	0	5.1E1	0.966
19923	10518	Sisma X SLV	14.1	0	0	0	3.6E1	0.967	19924	10518	Sisma Y SLV	0	14.1	0	0	3.6E1	0.967
19925	10518	Sisma X SLO	7.5	0	0	0	3.6E1	0.967	19926	10518	Sisma Y SLO	0	7.5	0	0	3.6E1	0.967
19927	10518	Sisma X SLD	6.2	0	0	0	3.6E1	0.967	19928	10518	Sisma Y SLD	0	6.2	0	0	3.6E1	0.967
19929	10519	Sisma X SLV	57	0	0	0	1.4E2	0.987	19930	10519	Sisma Y SLV	0	57	0	0	1.4E2	0.987
19931	10519	Sisma X SLO	30.4	0	0	0	1.4E2	0.987	19932	10519	Sisma Y SLO	0	30.4	0	0	1.4E2	0.987
19933	10519	Sisma X SLD	25.2	0	0	0	1.4E2	0.987	19934	10519	Sisma Y SLD	0	25.2	0	0	1.4E2	0.987
19935	10520	Sisma X SLV	56.7	0	0	0	1.4E2	0.988	19936	10520	Sisma Y SLV	0	56.7	0	0	1.4E2	0.988
19937	10520	Sisma X SLO	30.2	0	0	0	1.4E2	0.988	19938	10520	Sisma Y SLO	0	30.2	0	0	1.4E2	0.988
19939	10520	Sisma X SLD	25.1	0	0	0	1.4E2	0.988	19940	10520	Sisma Y SLD	0	25.1	0	0	1.4E2	0.988
19941	10521	Sisma X SLV	61.5	0	0	0	1.6E2	0.988	19942	10521	Sisma Y SLV	0	61.5	0	0	1.6E2	0.988
19943	10521	Sisma X SLO	32.8	0	0	0	1.6E2	0.988	19944	10521	Sisma Y SLO	0	32.8	0	0	1.6E2	0.988
19945	10521	Sisma X SLD	27.2	0	0	0	1.6E2	0.988	19946	10521	Sisma Y SLD	0	27.2	0	0	1.6E2	0.988
19947	10522	Sisma X SLV	56.5	0	0	0	1.4E2	0.988	19948	10522	Sisma Y SLV	0	56.5	0	0	1.4E2	0.988
19949	10522	Sisma X SLO	30.1	0	0	0	1.4E2	0.988	19950	10522	Sisma Y SLO	0	30.1	0	0	1.4E2	0.988
19951	10522	Sisma X SLD	25	0	0	0	1.4E2	0.988	19952	10522	Sisma Y SLD	0	25	0	0	1.4E2	0.988
19953	10523	Sisma X SLV	55.7	0	0	0	1.4E2	0.988	19954	10523	Sisma Y SLV	0	55.7	0	0	1.4E2	0.988
19955	10523	Sisma X SLO	29.7	0	0	0	1.4E2	0.988	19956	10523	Sisma Y SLO	0	29.7	0	0	1.4E2	0.988
19957	10523	Sisma X SLD	24.7	0	0	0	1.4E2	0.988	19958	10523	Sisma Y SLD	0	24.7	0	0	1.4E2	0.988
19959	10524	Sisma X SLV	58.9	0	0	0	1.5E2	0.988	19960	10524	Sisma Y SLV	0	58.9	0	0	1.5E2	0.988
19961	10524	Sisma X SLO	31.4	0	0	0	1.5E2	0.988	19962	10524	Sisma Y SLO	0	31.4	0	0	1.5E2	0.988
19963	10524	Sisma X SLD	26.1	0	0	0	1.5E2	0.988	19964	10524	Sisma Y SLD	0	26.1	0	0	1.5E2	0.988
19965	10525	Sisma X SLV	60.2	0	0	0	1.5E2	0.988	19966	10525	Sisma Y SLV	0	60.2	0	0	1.5E2	0.988
19967	10525	Sisma X SLO	32.1	0	0	0	1.5E2	0.988	19968	10525	Sisma Y SLO	0	32.1	0	0	1.5E2	0.988
19969	10525	Sisma X SLD	26.6	0	0	0	1.5E2	0.988	19970	10525	Sisma Y SLD	0	26.6	0	0	1.5E2	0.988
19971	10526	Sisma X SLV	56.4	0	0	0	1.4E2	0.989	19972	10526	Sisma Y SLV	0	56.4	0	0	1.4E2	0.989
19973	10526	Sisma X SLO	30.1	0	0	0	1.4E2	0.989	19974	10526	Sisma Y SLO	0	30.1	0	0	1.4E2	0.989
19975	10526	Sisma X SLD	25	0	0	0	1.4E2	0.989	19976	10526	Sisma Y SLD	0	25	0	0	1.4E2	0.989
19977	10527	Sisma X SLV	54.2	0	0	0	1.4E2	0.989	19978	10527	Sisma Y SLV	0	54.2	0	0	1.4E2	0.989
19979	10527	Sisma X SLO	28.9	0	0	0	1.4E2	0.989	19980	10527	Sisma Y SLO	0	28.9	0	0	1.4E2	0.989
19981	10527	Sisma X SLD	24	0	0	0	1.4E2	0.989	19982	10527	Sisma Y SLD	0	24	0	0	1.4E2	0.989
19983	10528	Sisma X SLV	60.7	0	0	0	1.5E2	0.989	19984	10528	Sisma Y SLV	0	60.7	0	0	1.5E2	0.989
19985	10528	Sisma X SLO	32.3	0	0	0	1.5E2	0.989	19986	10528	Sisma Y SLO	0	32.3	0	0	1.5E2	0.989
19987	10528	Sisma X SLD	26.8	0	0	0	1.5E2	0.989	19988	10528	Sisma Y SLD	0	26.8	0	0	1.5E2	0.989
19989	10529	Sisma X SLV	49.4	0	0	0	1.2E2	0.989	19990	10529	Sisma Y SLV	0	49.4	0	0	1.2E2	0.989
19991	10529	Sisma X SLO	26.3	0	0	0	1.2E2	0.989	19992	10529	Sisma Y SLO	0	26.3	0	0	1.2E2	0.989
19993	10529	Sisma X SLD	21.9	0	0	0	1.2E2	0.989	19994	10529	Sisma Y SLD	0	21.9	0	0	1.2E2	0.989
19995	10530	Sisma X SLV	40.3	0	0	0	1.0E2	0.989	19996	10530	Sisma Y SLV	0	40.3	0	0	1.0E2	0.989
19997	10530	Sisma X SLO	21.5	0	0	0	1.0E2	0.989	19998	10530	Sisma Y SLO	0	21.5	0	0	1.0E2	0.989
19999	10530	Sisma X SLD	17.8	0	0	0	1.0E2	0.989	20000	10530	Sisma Y SLD	0	17.8	0	0	1.0E2	0.989
20001	10531	Sisma X SLV	40.3	0	0	0	1.0E2	0.989	20002	10531	Sisma Y SLV	0	40.3	0	0	1.0E2	0.989
20003	10531	Sisma X SLO	21.5	0	0	0	1.0E2	0.989	20004	10531	Sisma Y SLO	0	21.5	0	0	1.0E2	0.989
20005	10531	Sisma X SLD	17.8	0	0	0	1.0E2	0.989	20006	10531	Sisma Y SLD	0	17.8	0	0	1.0E2	0.989
20007	10532	Sisma X SLV	35.5	0	0	0	9.0E1	0.989	20008	10532	Sisma Y SLV	0	35.5	0	0	9.0E1	0.989
20009	10532	Sisma X SLO	18.9	0	0	0	9.0E1	0.989	20010	10532	Sisma Y SLO	0	18.9	0	0	9.0E1	0.989
20011	10532	Sisma X SLD	15.7	0	0	0	9.0E1	0.989	20012	10532	Sisma Y SLD	0	15.7	0	0	9.0E1	0.989
20013	10533	Sisma X SLV	76.1	0	0	0	1.9E2	0.989	20014	10533	Sisma Y SLV	0	76.1	0	0	1.9E2	0.989
20015	10533	Sisma X SLO	40.6	0	0	0	1.9E2	0.989	20016	10533	Sisma Y SLO	0	40.6	0	0	1.9E2	0.989
20017	10533	Sisma X SLD	33.7	0	0	0	1.9E2	0.989	20018	10533	Sisma Y SLD	0	33.7	0	0	1.9E2	0.989
20019	10534	Sisma X SLV	44.4	0	0	0	1.1E2	0.989	20020	10534	Sisma Y SLV	0	44.4	0	0	1.1E2	0.989
20021	10534	Sisma X SLO	23.7	0	0	0	1.1E2	0.989	20022	10534	Sisma Y SLO	0	23.7	0	0	1.1E2	0.989
20023	10534	Sisma X SLD	19.6	0	0	0	1.1E2	0.989	20024	10534	Sisma Y SLD	0	19.6	0	0	1.1E2	0.989
20025	10535	Sisma X SLV	30.5	0	0	0	7.7E1	0.989	20026	10535	Sisma Y SLV	0	30.5	0	0	7.7E1	0.989
20027	10535	Sisma X SLO	16.3	0	0	0	7.7E1	0.989	20028	10535	Sisma Y SLO	0	16.3	0	0	7.7E1	0.989
20029	10535	Sisma X SLD	13.5	0	0	0	7.7E1	0.989	20030	10535	Sisma Y SLD	0	13.5	0	0	7.7E1	0.989
20031	10536	Sisma X SLV	66.1	0	0	0	1.7E2	0.989	20032	10536	Sisma Y SLV	0	66.1	0	0	1.7E2	0.989
20033	10536	Sisma X SLO	35.2	0	0	0	1.7E2	0.989	20034	10536	Sisma Y SLO	0	35.2	0	0	1.7E2	0.989
20035	10536	Sisma X SLD	29.2	0	0	0	1.7E2	0.989	20036	10536	Sisma Y SLD	0	29.2	0	0	1.7E2	0.989
20037	10537	Sisma X SLV	41.5	0	0	0	1.0E2	0.989	20038	10537	Sisma Y SLV	0	41.5	0	0	1.0E2	0.989
20039	10537	Sisma X SLO	22.1	0	0	0	1.0E2	0.989	20040	10537	Sisma Y SLO	0	22.1	0	0	1.0E2	0.989
20041	10537	Sisma X SLD	18.4	0	0	0	1.0E2	0.989	20042	10537	Sisma Y SLD	0	18.4	0	0	1.0E2	0.989
20043	10538	Sisma X SLV	20.7	0	0	0	5.2E1	0.989	20044	10538	Sisma Y SLV	0	20.7	0	0	5.2E1	0.989
20045	10538	Sisma X SLO	11.1	0	0	0	5.2E1	0.989	20046	10538	Sisma Y SLO	0	11.1	0	0	5.2E1	0.989
20047	10538	Sisma X SLD	9.2	0	0	0	5.2E1	0.989	20048	10538	Sisma Y SLD	0	9.2	0	0	5.2E1	0.989
20049	10539	Sisma X SLV	26.2	0	0	0	6.6E1	0.989	20050	10539	Sisma Y SLV	0	26.2	0	0	6.6E1	0.989
20051	10539	Sisma X SLO	14	0	0	0	6.6E1	0.989	20052	10539	Sisma Y SLO	0	14	0	0	6.6E1	0.989
20053	10539	Sisma X SLD	11.6	0	0	0	6.6E1	0.989	20054	10539	Sisma Y SLD	0	11.6	0	0	6.6E1	0.989
20055	10540	Sisma X SLV	27.7	0	0	0	7.0E1	0.989	20056	10540	Sisma Y SLV	0	27.7	0	0	7.0E1	0.989
20057	10540	Sisma X SLO	14.8	0	0	0	7.0E1	0.989	20058	10540	Sisma Y SLO	0	14.8	0	0	7.0E1	0.989
20059	10540	Sisma X SLD	12.3	0	0	0	7.0E1	0.989	20060	10540	Sisma Y SLD	0	12.3	0	0	7.0E1	0.989
20061	10541	Sisma X SLV	24.8	0	0	0	6.3E1	0.989	20062	10541	Sisma Y SLV	0	24.8	0	0	6.3E1	0.989
20063	10541	Sisma X SLO	13.2	0	0	0	6.3E1	0.989	20064	10541	Sisma Y SLO	0	13.2	0	0	6.3E1	0.989
20065	10541	Sisma X SLD	11	0	0	0	6.3E1	0.989	20066	10541	Sisma Y SLD	0	11	0	0	6.3E1	0.989
20067	10542	Sisma X SLV	25.7	0	0	0	6.5E1	0.989	20068	10542	Sisma Y SLV	0	25.7	0	0	6.5E1	0.989
20069	10542	Sisma X SLO	13.7	0	0	0	6.5E1	0.989	20070	10542	Sisma Y SLO	0	13.7	0	0	6.5E1	0.989
20071	10542	Sisma X SLD	11.4	0	0	0	6.5E1	0.989	20072	10542	Sisma Y SLD	0	11.4	0	0	6.5E1	0.989
20073	10543	Sisma X SLV	26.8	0	0	0	67.76	0.989	20074	10543	Sisma Y SLV	0	26.8	0	0	67.76	0.989
20075	10543	Sisma X SLO	14.3	0	0	0	67.76	0.989	20076	10543	Sisma Y SLO	0	14.3	0	0	67.76	0.989
20077	10543	Sisma X SLD	11.9	0	0	0	67.76	0.989	20078	10543	Sisma Y SLD	0	11.9	0	0	67.76	0.989
20079	10544	Sisma X SLV	29.4	0	0	0	74.25	0.989	20080	10544	Sisma Y SLV	0	29.4	0	0	74.25	0.989
20081	10544	Sisma X SLO	15.7	0	0	0	74.25	0.989	20082	10544	Sisma Y SLO	0	15.7	0	0	74.25	0.989
20083	10544	Sisma X SLD	13	0	0	0	74.25	0.989	20084	10544	Sisma Y SLD	0	13	0	0	74.25	0.989
20085	10545	Sisma X SLV	28	0	0	0	70.82	0.989	20086	10545	Sisma Y SLV	0	28	0	0	70.82	0.989
20087	10545	Sisma X SLO	14.9	0	0	0	70.82	0.989	20088	10545	Sisma Y SLO	0	14.9	0	0	70.82	0.989
20089	10545	Sisma X SLD	12.4	0	0	0	70.82	0.989	20090	10545	Sisma Y SLD	0	12.4	0	0	70.82	0.989
20091	10546	Sisma X SLV	32.1	0	0	0	8.1E1	0.989	20092	10546	Sisma Y SLV	0	32.1	0	0	8.1E1	0.989
20093	10546	Sisma X SLO	17.1	0	0	0	8.1E1	0.989	20094	10546	Sisma Y SLO	0	17.1	0	0	8.1E1	0.989
20095	10546	Sisma X SLD	14.2	0	0	0	8.1E1	0.989	20096	10546	Sisma Y SLD	0	14.2	0	0	8.1E1	0.989
20097	10547	Sisma X SLV	22.3	0	0	0	5.6E1	0.989	20098	10547	Sisma Y SLV	0	22.3	0	0	5.6E1	0.989
20099	10547	Sisma X SLO	11.9	0	0	0	5.6E1	0.989	20100	10547	Sisma Y SLO	0	11.9	0	0	5.6E1	0.989
20101	10547	Sisma X SLD	9.9	0	0	0	5.6E1	0.989	20102	10547	Sisma Y SLD	0	9.9	0	0	5.6E1	0.989
20103	10548	Sisma X SLV	24.9	0	0	0	6.3E1	0.989	20104	10548	Sisma Y SLV	0	24.9	0	0	6.3E1	0.989
20105	10548	Sisma X SLO	13.3	0	0	0	6.3E1	0.989	20106	10548	Sisma Y SLO	0	13.3	0	0	6.3E1	0.989
20107	10548	Sisma X SLD	11	0	0	0	6.3E1	0.989	20108	10548	Sisma Y SLD	0	11	0	0	6.3E1	0.989
20109	10549	Sisma X SLV	26.6	0	0	0	67.19	0.989	20110	10549	Sisma Y SLV	0	26.6	0	0	67.19	0.989
20111	10549	Sisma X SLO	14.2	0	0	0	67.19	0.989	20112	10549	Sisma Y SLO	0	14.2	0	0	67.19	0.989

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
20113	10549	Sisma X SLD	11.8	0	0	0	67.19	0.989	20114	10549	Sisma Y SLD	0	11.8	0	0	67.19	0.989
20115	10550	Sisma X SLV	27.7	0	0	0	7.0E1	0.989	20116	10550	Sisma Y SLV	0	27.7	0	0	7.0E1	0.989
20117	10550	Sisma X SLO	14.8	0	0	0	7.0E1	0.989	20118	10550	Sisma Y SLO	0	14.8	0	0	7.0E1	0.989
20119	10550	Sisma X SLD	12.3	0	0	0	7.0E1	0.989	20120	10550	Sisma Y SLD	0	12.3	0	0	7.0E1	0.989
20121	10551	Sisma X SLV	20.9	0	0	0	5.3E1	0.989	20122	10551	Sisma Y SLV	0	20.9	0	0	5.3E1	0.989
20123	10551	Sisma X SLO	11.1	0	0	0	5.3E1	0.989	20124	10551	Sisma Y SLO	0	11.1	0	0	5.3E1	0.989
20125	10551	Sisma X SLD	9.2	0	0	0	5.3E1	0.989	20126	10551	Sisma Y SLD	0	9.2	0	0	5.3E1	0.989
20127	10552	Sisma X SLV	22.3	0	0	0	5.6E1	0.989	20128	10552	Sisma Y SLV	0	22.3	0	0	5.6E1	0.989
20129	10552	Sisma X SLO	11.9	0	0	0	5.6E1	0.989	20130	10552	Sisma Y SLO	0	11.9	0	0	5.6E1	0.989
20131	10552	Sisma X SLD	9.9	0	0	0	5.6E1	0.989	20132	10552	Sisma Y SLD	0	9.9	0	0	5.6E1	0.989
20133	10553	Sisma X SLV	23.7	0	0	0	6.0E1	0.989	20134	10553	Sisma Y SLV	0	23.7	0	0	6.0E1	0.989
20135	10553	Sisma X SLO	12.6	0	0	0	6.0E1	0.989	20136	10553	Sisma Y SLO	0	12.6	0	0	6.0E1	0.989
20137	10553	Sisma X SLD	10.5	0	0	0	6.0E1	0.989	20138	10553	Sisma Y SLD	0	10.5	0	0	6.0E1	0.989
20139	10554	Sisma X SLV	29	0	0	0	7.3E1	0.989	20140	10554	Sisma Y SLV	0	29	0	0	7.3E1	0.989
20141	10554	Sisma X SLO	15.4	0	0	0	7.3E1	0.989	20142	10554	Sisma Y SLO	0	15.4	0	0	7.3E1	0.989
20143	10554	Sisma X SLD	12.8	0	0	0	7.3E1	0.989	20144	10554	Sisma Y SLD	0	12.8	0	0	7.3E1	0.989
20145	10555	Sisma X SLV	23.7	0	0	0	6.0E1	0.989	20146	10555	Sisma Y SLV	0	23.7	0	0	6.0E1	0.989
20147	10555	Sisma X SLO	12.7	0	0	0	6.0E1	0.989	20148	10555	Sisma Y SLO	0	12.7	0	0	6.0E1	0.989
20149	10555	Sisma X SLD	10.5	0	0	0	6.0E1	0.989	20150	10555	Sisma Y SLD	0	10.5	0	0	6.0E1	0.989
20151	10556	Sisma X SLV	24	0	0	0	6.1E1	0.989	20152	10556	Sisma Y SLV	0	24	0	0	6.1E1	0.989
20153	10556	Sisma X SLO	12.8	0	0	0	6.1E1	0.989	20154	10556	Sisma Y SLO	0	12.8	0	0	6.1E1	0.989
20155	10556	Sisma X SLD	10.6	0	0	0	6.1E1	0.989	20156	10556	Sisma Y SLD	0	10.6	0	0	6.1E1	0.989
20157	10557	Sisma X SLV	25	0	0	0	6.3E1	0.989	20158	10557	Sisma Y SLV	0	25	0	0	6.3E1	0.989
20159	10557	Sisma X SLO	13.3	0	0	0	6.3E1	0.989	20160	10557	Sisma Y SLO	0	13.3	0	0	6.3E1	0.989
20161	10557	Sisma X SLD	11.1	0	0	0	6.3E1	0.989	20162	10557	Sisma Y SLD	0	11.1	0	0	6.3E1	0.989
20163	10558	Sisma X SLV	25.6	0	0	0	64.78	0.989	20164	10558	Sisma Y SLV	0	25.6	0	0	64.78	0.989
20165	10558	Sisma X SLO	13.7	0	0	0	64.78	0.989	20166	10558	Sisma Y SLO	0	13.7	0	0	64.78	0.989
20167	10558	Sisma X SLD	11.3	0	0	0	64.78	0.989	20168	10558	Sisma Y SLD	0	11.3	0	0	64.78	0.989
20169	10559	Sisma X SLV	28.2	0	0	0	7.1E1	0.989	20170	10559	Sisma Y SLV	0	28.2	0	0	7.1E1	0.989
20171	10559	Sisma X SLO	15	0	0	0	7.1E1	0.989	20172	10559	Sisma Y SLO	0	15	0	0	7.1E1	0.989
20173	10559	Sisma X SLD	12.5	0	0	0	7.1E1	0.989	20174	10559	Sisma Y SLD	0	12.5	0	0	7.1E1	0.989
20175	10560	Sisma X SLV	26.4	0	0	0	6.7E1	0.989	20176	10560	Sisma Y SLV	0	26.4	0	0	6.7E1	0.989
20177	10560	Sisma X SLO	14.1	0	0	0	6.7E1	0.989	20178	10560	Sisma Y SLO	0	14.1	0	0	6.7E1	0.989
20179	10560	Sisma X SLD	11.7	0	0	0	6.7E1	0.989	20180	10560	Sisma Y SLD	0	11.7	0	0	6.7E1	0.989
20181	10561	Sisma X SLV	21.1	0	0	0	5.3E1	0.989	20182	10561	Sisma Y SLV	0	21.1	0	0	5.3E1	0.989
20183	10561	Sisma X SLO	11.2	0	0	0	5.3E1	0.989	20184	10561	Sisma Y SLO	0	11.2	0	0	5.3E1	0.989
20185	10561	Sisma X SLD	9.3	0	0	0	5.3E1	0.989	20186	10561	Sisma Y SLD	0	9.3	0	0	5.3E1	0.989
20187	10562	Sisma X SLV	20.9	0	0	0	5.3E1	0.989	20188	10562	Sisma Y SLV	0	20.9	0	0	5.3E1	0.989
20189	10562	Sisma X SLO	11.1	0	0	0	5.3E1	0.989	20190	10562	Sisma Y SLO	0	11.1	0	0	5.3E1	0.989
20191	10562	Sisma X SLD	9.2	0	0	0	5.3E1	0.989	20192	10562	Sisma Y SLD	0	9.2	0	0	5.3E1	0.989
20193	10563	Sisma X SLV	26.7	0	0	0	67.48	0.989	20194	10563	Sisma Y SLV	0	26.7	0	0	67.48	0.989
20195	10563	Sisma X SLO	14.2	0	0	0	67.48	0.989	20196	10563	Sisma Y SLO	0	14.2	0	0	67.48	0.989
20197	10563	Sisma X SLD	11.8	0	0	0	67.48	0.989	20198	10563	Sisma Y SLD	0	11.8	0	0	67.48	0.989
20199	10564	Sisma X SLV	25.1	0	0	0	63.4	0.989	20200	10564	Sisma Y SLV	0	25.1	0	0	63.4	0.989
20201	10564	Sisma X SLO	13.4	0	0	0	63.4	0.989	20202	10564	Sisma Y SLO	0	13.4	0	0	63.4	0.989
20203	10564	Sisma X SLD	11.1	0	0	0	63.4	0.989	20204	10564	Sisma Y SLD	0	11.1	0	0	63.4	0.989
20205	10565	Sisma X SLV	29.1	0	0	0	7.4E1	0.989	20206	10565	Sisma Y SLV	0	29.1	0	0	7.4E1	0.989
20207	10565	Sisma X SLO	15.5	0	0	0	7.4E1	0.989	20208	10565	Sisma Y SLO	0	15.5	0	0	7.4E1	0.989
20209	10565	Sisma X SLD	12.9	0	0	0	7.4E1	0.989	20210	10565	Sisma Y SLD	0	12.9	0	0	7.4E1	0.989
20211	10566	Sisma X SLV	29.5	0	0	0	7.5E1	0.989	20212	10566	Sisma Y SLV	0	29.5	0	0	7.5E1	0.989
20213	10566	Sisma X SLO	15.7	0	0	0	7.5E1	0.989	20214	10566	Sisma Y SLO	0	15.7	0	0	7.5E1	0.989
20215	10566	Sisma X SLD	13.1	0	0	0	7.5E1	0.989	20216	10566	Sisma Y SLD	0	13.1	0	0	7.5E1	0.989
20217	10567	Sisma X SLV	26.4	0	0	0	6.7E1	0.989	20218	10567	Sisma Y SLV	0	26.4	0	0	6.7E1	0.989
20219	10567	Sisma X SLO	14.1	0	0	0	6.7E1	0.989	20220	10567	Sisma Y SLO	0	14.1	0	0	6.7E1	0.989
20221	10567	Sisma X SLD	11.7	0	0	0	6.7E1	0.989	20222	10567	Sisma Y SLD	0	11.7	0	0	6.7E1	0.989
20223	10568	Sisma X SLV	26.7	0	0	0	6.8E1	0.989	20224	10568	Sisma Y SLV	0	26.7	0	0	6.8E1	0.989
20225	10568	Sisma X SLO	14.3	0	0	0	6.8E1	0.989	20226	10568	Sisma Y SLO	0	14.3	0	0	6.8E1	0.989
20227	10568	Sisma X SLD	11.8	0	0	0	6.8E1	0.989	20228	10568	Sisma Y SLD	0	11.8	0	0	6.8E1	0.989
20229	10569	Sisma X SLV	29.9	0	0	0	7.6E1	0.989	20230	10569	Sisma Y SLV	0	29.9	0	0	7.6E1	0.989
20231	10569	Sisma X SLO	15.9	0	0	0	7.6E1	0.989	20232	10569	Sisma Y SLO	0	15.9	0	0	7.6E1	0.989
20233	10569	Sisma X SLD	13.2	0	0	0	7.6E1	0.989	20234	10569	Sisma Y SLD	0	13.2	0	0	7.6E1	0.989
20235	10570	Sisma X SLV	30.4	0	0	0	7.7E1	0.989	20236	10570	Sisma Y SLV	0	30.4	0	0	7.7E1	0.989
20237	10570	Sisma X SLO	16.2	0	0	0	7.7E1	0.989	20238	10570	Sisma Y SLO	0	16.2	0	0	7.7E1	0.989
20239	10570	Sisma X SLD	13.4	0	0	0	7.7E1	0.989	20240	10570	Sisma Y SLD	0	13.4	0	0	7.7E1	0.989
20241	10571	Sisma X SLV	26.7	0	0	0	6.7E1	0.989	20242	10571	Sisma Y SLV	0	26.7	0	0	6.7E1	0.989
20243	10571	Sisma X SLO	14.2	0	0	0	6.7E1	0.989	20244	10571	Sisma Y SLO	0	14.2	0	0	6.7E1	0.989
20245	10571	Sisma X SLD	11.8	0	0	0	6.7E1	0.989	20246	10571	Sisma Y SLD	0	11.8	0	0	6.7E1	0.989
20247	10572	Sisma X SLV	55.1	0	0	0	1.4E2	0.99	20248	10572	Sisma Y SLV	0	55.1	0	0	1.4E2	0.99
20249	10572	Sisma X SLO	29.4	0	0	0	1.4E2	0.99	20250	10572	Sisma Y SLO	0	29.4	0	0	1.4E2	0.99
20251	10572	Sisma X SLD	24.4	0	0	0	1.4E2	0.99	20252	10572	Sisma Y SLD	0	24.4	0	0	1.4E2	0.99
20253	10573	Sisma X SLV	56.5	0	0	0	1.4E2	0.99	20254	10573	Sisma Y SLV	0	56.5	0	0	1.4E2	0.99
20255	10573	Sisma X SLO	30.1	0	0	0	1.4E2	0.99	20256	10573	Sisma Y SLO	0	30.1	0	0	1.4E2	0.99
20257	10573	Sisma X SLD	25	0	0	0	1.4E2	0.99	20258	10573	Sisma Y SLD	0	25	0	0	1.4E2	0.99
20259	10574	Sisma X SLV	58.7	0	0	0	1.5E2	0.99	20260	10574	Sisma Y SLV	0	58.7	0	0	1.5E2	0.99
20261	10574	Sisma X SLO	31.3	0	0	0	1.5E2	0.99	20262	10574	Sisma Y SLO	0	31.3	0	0	1.5E2	0.99
20263	10574	Sisma X SLD	26	0	0	0	1.5E2	0.99	20264	10574	Sisma Y SLD	0	26	0	0	1.5E2	0.99
20265	10575	Sisma X SLV	54.5	0	0	0	1.4E2	0.99	20266	10575	Sisma Y SLV	0	54.5	0	0	1.4E2	0.99
20267	10575	Sisma X SLO	29	0	0	0	1.4E2	0.99	20268	10575	Sisma Y SLO	0	29	0	0	1.4E2	0.99
20269	10575	Sisma X SLD	24.1	0	0	0	1.4E2	0.99	20270	10575	Sisma Y SLD	0	24.1	0	0	1.4E2	0.99
20271	10576	Sisma X SLV	56.2	0	0	0	1.4E2	0.99	20272	10576	Sisma Y SLV	0	56.2	0	0	1.4E2	0.99
20273	10576	Sisma X SLO	30	0	0	0	1.4E2	0.99	20274	10576	Sisma Y SLO	0	30	0	0	1.4E2	0.99
20275	10576	Sisma X SLD	24.9	0	0	0	1.4E2	0.99	20276	10576	Sisma Y SLD	0	24.9	0	0	1.4E2	0.99
20277	10577	Sisma X SLV	60.6	0	0	0	1.5E2	0.991	20278	10577	Sisma Y SLV	0	60.6	0	0	1.5E2	0.991
20279	10577	Sisma X SLO	32.3	0	0	0	1.5E2	0.991	20280	10577	Sisma Y SLO	0	32.3	0	0	1.5E2	0.991
20281	10577	Sisma X SLD	26.8	0	0	0	1.5E2	0.991	20282	10577	Sisma Y SLD	0	26.8	0	0	1.5E2	0.991
20283	10578	Sisma X SLV	58.3	0	0	0	1.5E2	0.991	20284	10578	Sisma Y SLV	0	58.3	0	0	1.5E2	0.991
20285	10578	Sisma X SLO	31.1	0	0	0	1.5E2	0.991	20286	10578	Sisma Y SLO	0	31.1	0	0	1.5E2	0.991
20287	10578	Sisma X SLD	25.8	0	0	0	1.5E2	0.991	20288	10578	Sisma Y SLD	0	25.8	0	0	1.5E2	0.991
20289	10579	Sisma X SLV	56.4	0	0	0	1.4E2	0.991	20290	10579	Sisma Y SLV	0	56.4	0	0	1.4E2	0.991
20291	10579	Sisma X SLO	30.1	0	0	0	1.4E2	0.991	20292	10579	Sisma Y SLO	0	30.1	0	0	1.4E2	0.991
20293	10579	Sisma X SLD	25	0	0	0	1.4E2	0.991	20294	10579	Sisma Y SLD	0	25	0	0	1.4E2	0.991
20295	10580	Sisma X SLV	62.8	0	0	0	1.6E2	0.991	20296	10580	Sisma Y SLV	0	62.8	0	0	1.6E2	0.991
20297	10580	Sisma X SLO	33.5	0	0	0	1.6E2	0.991	20298	10580	Sisma Y SLO	0	33.5	0	0	1.6E2	0.991
20299	10580	Sisma X SLD	27.8	0	0	0	1.6E2	0.991	20300	10580	Sisma Y SLD	0	27.8	0	0	1.6E2	0.991
20301	10581	Sisma X SLV	57.9	0	0	0	1.5E2	0.991	20302	10581	Sisma Y SLV	0	57.9	0	0	1.5E2	0.991
20303	10581	Sisma X SLO	30.9	0	0	0	1.5E2	0.991	20304	10581	Sisma Y SLO	0	30.9	0	0	1.5E2	0.991
20305	10581	Sisma X SLD	25.6	0	0	0	1.5E2	0.991	20306	10581	Sisma Y SLD	0	25.6	0	0	1.5E2	0.991
20307	10582	Sisma X SLV	54.6	0	0	0	1.4E2	0.991	20308	10582	Sisma Y SLV	0	54.6	0	0	1.4E2	0.991
20309	10582	Sisma X SLO	29.1	0	0	0	1.4E2	0.991	20310	10582	Sisma Y SLO	0	29.1	0	0	1.4E2	0.991
20311	10582	Sisma X SLD	24.2	0	0	0	1.4E2	0.991	20312	10582	Sisma Y SLD	0	24.2	0	0	1.4E2	0.991

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
20313	10583	Sisma X SLV	89.7	0	0	0	2.3E2	0.991	20314	10583	Sisma Y SLV	0	89.7	0	0	2.3E2	0.991
20315	10583	Sisma X SLO	47.8	0	0	0	2.3E2	0.991	20316	10583	Sisma Y SLO	0	47.8	0	0	2.3E2	0.991
20317	10583	Sisma X SLD	39.7	0	0	0	2.3E2	0.991	20318	10583	Sisma Y SLD	0	39.7	0	0	2.3E2	0.991
20319	10584	Sisma X SLV	64.9	0	0	0	1.6E2	0.991	20320	10584	Sisma Y SLV	0	64.9	0	0	1.6E2	0.991
20321	10584	Sisma X SLO	34.6	0	0	0	1.6E2	0.991	20322	10584	Sisma Y SLO	0	34.6	0	0	1.6E2	0.991
20323	10584	Sisma X SLD	28.7	0	0	0	1.6E2	0.991	20324	10584	Sisma Y SLD	0	28.7	0	0	1.6E2	0.991
20325	10585	Sisma X SLV	60.8	0	0	0	1.5E2	0.991	20326	10585	Sisma Y SLV	0	60.8	0	0	1.5E2	0.991
20327	10585	Sisma X SLO	32.4	0	0	0	1.5E2	0.991	20328	10585	Sisma Y SLO	0	32.4	0	0	1.5E2	0.991
20329	10585	Sisma X SLD	26.9	0	0	0	1.5E2	0.991	20330	10585	Sisma Y SLD	0	26.9	0	0	1.5E2	0.991
20331	10586	Sisma X SLV	70.4	0	0	0	1.8E2	0.991	20332	10586	Sisma Y SLV	0	70.4	0	0	1.8E2	0.991
20333	10586	Sisma X SLO	37.6	0	0	0	1.8E2	0.991	20334	10586	Sisma Y SLO	0	37.6	0	0	1.8E2	0.991
20335	10586	Sisma X SLD	31.2	0	0	0	1.8E2	0.991	20336	10586	Sisma Y SLD	0	31.2	0	0	1.8E2	0.991
20337	10587	Sisma X SLV	63.3	0	0	0	1.6E2	0.991	20338	10587	Sisma Y SLV	0	63.3	0	0	1.6E2	0.991
20339	10587	Sisma X SLO	33.8	0	0	0	1.6E2	0.991	20340	10587	Sisma Y SLO	0	33.8	0	0	1.6E2	0.991
20341	10587	Sisma X SLD	28	0	0	0	1.6E2	0.991	20342	10587	Sisma Y SLD	0	28	0	0	1.6E2	0.991
20343	10588	Sisma X SLV	60.8	0	0	0	1.5E2	0.992	20344	10588	Sisma Y SLV	0	60.8	0	0	1.5E2	0.992
20345	10588	Sisma X SLO	32.4	0	0	0	1.5E2	0.992	20346	10588	Sisma Y SLO	0	32.4	0	0	1.5E2	0.992
20347	10588	Sisma X SLD	26.9	0	0	0	1.5E2	0.992	20348	10588	Sisma Y SLD	0	26.9	0	0	1.5E2	0.992
20349	10589	Sisma X SLV	61	0	0	0	1.5E2	0.992	20350	10589	Sisma Y SLV	0	61	0	0	1.5E2	0.992
20351	10589	Sisma X SLO	32.5	0	0	0	1.5E2	0.992	20352	10589	Sisma Y SLO	0	32.5	0	0	1.5E2	0.992
20353	10589	Sisma X SLD	27	0	0	0	1.5E2	0.992	20354	10589	Sisma Y SLD	0	27	0	0	1.5E2	0.992
20355	10590	Sisma X SLV	57	0	0	0	1.4E2	0.992	20356	10590	Sisma Y SLV	0	57	0	0	1.4E2	0.992
20357	10590	Sisma X SLO	30.4	0	0	0	1.4E2	0.992	20358	10590	Sisma Y SLO	0	30.4	0	0	1.4E2	0.992
20359	10590	Sisma X SLD	25.2	0	0	0	1.4E2	0.992	20360	10590	Sisma Y SLD	0	25.2	0	0	1.4E2	0.992
20361	10591	Sisma X SLV	88.8	0	0	0	2.2E2	0.992	20362	10591	Sisma Y SLV	0	88.8	0	0	2.2E2	0.992
20363	10591	Sisma X SLO	47.4	0	0	0	2.2E2	0.992	20364	10591	Sisma Y SLO	0	47.4	0	0	2.2E2	0.992
20365	10591	Sisma X SLD	39.3	0	0	0	2.2E2	0.992	20366	10591	Sisma Y SLD	0	39.3	0	0	2.2E2	0.992
20367	10592	Sisma X SLV	60.2	0	0	0	1.5E2	0.993	20368	10592	Sisma Y SLV	0	60.2	0	0	1.5E2	0.993
20369	10592	Sisma X SLO	32.1	0	0	0	1.5E2	0.993	20370	10592	Sisma Y SLO	0	32.1	0	0	1.5E2	0.993
20371	10592	Sisma X SLD	26.6	0	0	0	1.5E2	0.993	20372	10592	Sisma Y SLD	0	26.6	0	0	1.5E2	0.993
20373	10593	Sisma X SLV	69.3	0	0	0	1.7E2	0.993	20374	10593	Sisma Y SLV	0	69.3	0	0	1.7E2	0.993
20375	10593	Sisma X SLO	36.9	0	0	0	1.7E2	0.993	20376	10593	Sisma Y SLO	0	36.9	0	0	1.7E2	0.993
20377	10593	Sisma X SLD	30.7	0	0	0	1.7E2	0.993	20378	10593	Sisma Y SLD	0	30.7	0	0	1.7E2	0.993
20379	10594	Sisma X SLV	63.3	0	0	0	1.6E2	0.993	20380	10594	Sisma Y SLV	0	63.3	0	0	1.6E2	0.993
20381	10594	Sisma X SLO	33.7	0	0	0	1.6E2	0.993	20382	10594	Sisma Y SLO	0	33.7	0	0	1.6E2	0.993
20383	10594	Sisma X SLD	28	0	0	0	1.6E2	0.993	20384	10594	Sisma Y SLD	0	28	0	0	1.6E2	0.993
20385	10595	Sisma X SLV	45.9	0	0	0	1.2E2	0.993	20386	10595	Sisma Y SLV	0	45.9	0	0	1.2E2	0.993
20387	10595	Sisma X SLO	24.5	0	0	0	1.2E2	0.993	20388	10595	Sisma Y SLO	0	24.5	0	0	1.2E2	0.993
20389	10595	Sisma X SLD	20.3	0	0	0	1.2E2	0.993	20390	10595	Sisma Y SLD	0	20.3	0	0	1.2E2	0.993
20391	10596	Sisma X SLV	63.8	0	0	0	1.6E2	0.993	20392	10596	Sisma Y SLV	0	63.8	0	0	1.6E2	0.993
20393	10596	Sisma X SLO	34	0	0	0	1.6E2	0.993	20394	10596	Sisma Y SLO	0	34	0	0	1.6E2	0.993
20395	10596	Sisma X SLD	28.2	0	0	0	1.6E2	0.993	20396	10596	Sisma Y SLD	0	28.2	0	0	1.6E2	0.993
20397	10597	Sisma X SLV	88.3	0	0	0	2.2E2	0.993	20398	10597	Sisma Y SLV	0	88.3	0	0	2.2E2	0.993
20399	10597	Sisma X SLO	47.1	0	0	0	2.2E2	0.993	20400	10597	Sisma Y SLO	0	47.1	0	0	2.2E2	0.993
20401	10597	Sisma X SLD	39.1	0	0	0	2.2E2	0.993	20402	10597	Sisma Y SLD	0	39.1	0	0	2.2E2	0.993
20403	10598	Sisma X SLV	63.7	0	0	0	1.6E2	0.993	20404	10598	Sisma Y SLV	0	63.7	0	0	1.6E2	0.993
20405	10598	Sisma X SLO	34	0	0	0	1.6E2	0.993	20406	10598	Sisma Y SLO	0	34	0	0	1.6E2	0.993
20407	10598	Sisma X SLD	28.2	0	0	0	1.6E2	0.993	20408	10598	Sisma Y SLD	0	28.2	0	0	1.6E2	0.993
20409	10599	Sisma X SLV	39.7	0	0	0	1.0E2	0.994	20410	10599	Sisma Y SLV	0	39.7	0	0	1.0E2	0.994
20411	10599	Sisma X SLO	21.2	0	0	0	1.0E2	0.994	20412	10599	Sisma Y SLO	0	21.2	0	0	1.0E2	0.994
20413	10599	Sisma X SLD	17.6	0	0	0	1.0E2	0.994	20414	10599	Sisma Y SLD	0	17.6	0	0	1.0E2	0.994
20415	10600	Sisma X SLV	59.9	0	0	0	1.5E2	0.994	20416	10600	Sisma Y SLV	0	59.9	0	0	1.5E2	0.994
20417	10600	Sisma X SLO	31.9	0	0	0	1.5E2	0.994	20418	10600	Sisma Y SLO	0	31.9	0	0	1.5E2	0.994
20419	10600	Sisma X SLD	26.5	0	0	0	1.5E2	0.994	20420	10600	Sisma Y SLD	0	26.5	0	0	1.5E2	0.994
20421	10601	Sisma X SLV	68.3	0	0	0	1.7E2	0.994	20422	10601	Sisma Y SLV	0	68.3	0	0	1.7E2	0.994
20423	10601	Sisma X SLO	36.4	0	0	0	1.7E2	0.994	20424	10601	Sisma Y SLO	0	36.4	0	0	1.7E2	0.994
20425	10601	Sisma X SLD	30.2	0	0	0	1.7E2	0.994	20426	10601	Sisma Y SLD	0	30.2	0	0	1.7E2	0.994
20427	10602	Sisma X SLV	64.2	0	0	0	1.6E2	0.994	20428	10602	Sisma Y SLV	0	64.2	0	0	1.6E2	0.994
20429	10602	Sisma X SLO	34.2	0	0	0	1.6E2	0.994	20430	10602	Sisma Y SLO	0	34.2	0	0	1.6E2	0.994
20431	10602	Sisma X SLD	28.4	0	0	0	1.6E2	0.994	20432	10602	Sisma Y SLD	0	28.4	0	0	1.6E2	0.994
20433	10603	Sisma X SLV	87.9	0	0	0	2.2E2	0.994	20434	10603	Sisma Y SLV	0	87.9	0	0	2.2E2	0.994
20435	10603	Sisma X SLO	46.9	0	0	0	2.2E2	0.994	20436	10603	Sisma Y SLO	0	46.9	0	0	2.2E2	0.994
20437	10603	Sisma X SLD	38.9	0	0	0	2.2E2	0.994	20438	10603	Sisma Y SLD	0	38.9	0	0	2.2E2	0.994
20439	10604	Sisma X SLV	63.9	0	0	0	1.6E2	0.994	20440	10604	Sisma Y SLV	0	63.9	0	0	1.6E2	0.994
20441	10604	Sisma X SLO	34.1	0	0	0	1.6E2	0.994	20442	10604	Sisma Y SLO	0	34.1	0	0	1.6E2	0.994
20443	10604	Sisma X SLD	28.3	0	0	0	1.6E2	0.994	20444	10604	Sisma Y SLD	0	28.3	0	0	1.6E2	0.994
20445	10605	Sisma X SLV	49	0	0	0	1.2E2	0.994	20446	10605	Sisma Y SLV	0	49	0	0	1.2E2	0.994
20447	10605	Sisma X SLO	26.1	0	0	0	1.2E2	0.994	20448	10605	Sisma Y SLO	0	26.1	0	0	1.2E2	0.994
20449	10605	Sisma X SLD	21.7	0	0	0	1.2E2	0.994	20450	10605	Sisma Y SLD	0	21.7	0	0	1.2E2	0.994
20451	10606	Sisma X SLV	59.7	0	0	0	1.5E2	0.994	20452	10606	Sisma Y SLV	0	59.7	0	0	1.5E2	0.994
20453	10606	Sisma X SLO	31.8	0	0	0	1.5E2	0.994	20454	10606	Sisma Y SLO	0	31.8	0	0	1.5E2	0.994
20455	10606	Sisma X SLD	26.4	0	0	0	1.5E2	0.994	20456	10606	Sisma Y SLD	0	26.4	0	0	1.5E2	0.994
20457	10607	Sisma X SLV	67.4	0	0	0	1.7E2	0.994	20458	10607	Sisma Y SLV	0	67.4	0	0	1.7E2	0.994
20459	10607	Sisma X SLO	35.9	0	0	0	1.7E2	0.994	20460	10607	Sisma Y SLO	0	35.9	0	0	1.7E2	0.994
20461	10607	Sisma X SLD	29.8	0	0	0	1.7E2	0.994	20462	10607	Sisma Y SLD	0	29.8	0	0	1.7E2	0.994
20463	10608	Sisma X SLV	64.8	0	0	0	1.6E2	0.994	20464	10608	Sisma Y SLV	0	64.8	0	0	1.6E2	0.994
20465	10608	Sisma X SLO	34.5	0	0	0	1.6E2	0.994	20466	10608	Sisma Y SLO	0	34.5	0	0	1.6E2	0.994
20467	10608	Sisma X SLD	28.7	0	0	0	1.6E2	0.994	20468	10608	Sisma Y SLD	0	28.7	0	0	1.6E2	0.994
20469	10609	Sisma X SLV	41.4	0	0	0	1.0E2	0.994	20470	10609	Sisma Y SLV	0	41.4	0	0	1.0E2	0.994
20471	10609	Sisma X SLO	22.1	0	0	0	1.0E2	0.994	20472	10609	Sisma Y SLO	0	22.1	0	0	1.0E2	0.994
20473	10609	Sisma X SLD	18.3	0	0	0	1.0E2	0.994	20474	10609	Sisma Y SLD	0	18.3	0	0	1.0E2	0.994
20475	10610	Sisma X SLV	66.5	0	0	0	1.7E2	0.994	20476	10610	Sisma Y SLV	0	66.5	0	0	1.7E2	0.994
20477	10610	Sisma X SLO	35.5	0	0	0	1.7E2	0.994	20478	10610	Sisma Y SLO	0	35.5	0	0	1.7E2	0.994
20479	10610	Sisma X SLD	29.4	0	0	0	1.7E2	0.994	20480	10610	Sisma Y SLD	0	29.4	0	0	1.7E2	0.994
20481	10611	Sisma X SLV	65.7	0	0	0	1.7E2	0.994	20482	10611	Sisma Y SLV	0	65.7	0	0	1.7E2	0.994
20483	10611	Sisma X SLO	35	0	0	0	1.7E2	0.994	20484	10611	Sisma Y SLO	0	35	0	0	1.7E2	0.994
20485	10611	Sisma X SLD	29.1	0	0	0	1.7E2	0.994	20486	10611	Sisma Y SLD	0	29.1	0	0	1.7E2	0.994
20487	10612	Sisma X SLV	73.7	0	0	0	1.9E2	0.994	20488	10612	Sisma Y SLV	0	73.7	0	0	1.9E2	0.994
20489	10612	Sisma X SLO	39.3	0	0	0	1.9E2	0.994	20490	10612	Sisma Y SLO	0	39.3	0	0	1.9E2	0.994
20491	10612	Sisma X SLD	32.6	0	0	0	1.9E2	0.994	20492	10612	Sisma Y SLD	0	32.6	0	0	1.9E2	0.994
20493	10613	Sisma X SLV	50.9	0	0	0	1.3E2	0.994	20494	10613	Sisma Y SLV	0	50.9	0	0	1.3E2	0.994
20495	10613	Sisma X SLO	27.1	0	0	0	1.3E2	0.994	20496	10613	Sisma Y SLO	0	27.1	0	0	1.3E2	0.994
20497	10613	Sisma X SLD	22.5	0	0	0	1.3E2	0.994	20498	10613	Sisma Y SLD	0	22.5	0	0	1.3E2	0.994
20499	10614	Sisma X SLV	56.5	0	0	0	1.4E2	0.994	20500	10614	Sisma Y SLV	0	56.5	0	0	1.4E2	0.994
20501	10614	Sisma X SLO	30.1	0	0	0	1.4E2	0.994	20502	10614	Sisma Y SLO	0	30.1	0	0	1.4E2	0.994
20503	10614	Sisma X SLD	25	0	0	0	1.4E2	0.994	20504	10614	Sisma Y SLD	0	25	0	0	1.4E2	0.994
20505	10615	Sisma X SLV	34.1	0	0	0	85.86	0.994	20506	10615	Sisma Y SLV	0	34.1	0	0	85.86	0.994
20507	10615	Sisma X SLO	18.2	0	0	0	85.86	0.994	20508	10615	Sisma Y SLO	0	18.2	0	0	85.86	0.994
20509	10615	Sisma X SLD	15.1	0	0	0	85.86	0.994	20510	10615	Sisma Y SLD	0	15.1	0	0	85.86	0.994
20511	10616	Sisma X SLV	62.8	0	0	0	1.6E2	0.995	20512	10616	Sisma Y SLV	0	62.8	0	0	1.6E2	0.995

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
20513	10616	Sisma X SLO	33.5	0	0	0	1.6E2	0.995	20514	10616	Sisma Y SLO	0	33.5	0	0	1.6E2	0.995
20515	10616	Sisma X SLD	27.8	0	0	0	1.6E2	0.995	20516	10616	Sisma Y SLD	0	27.8	0	0	1.6E2	0.995
20517	10617	Sisma X SLV	62.9	0	0	0	1.6E2	0.995	20518	10617	Sisma Y SLV	0	62.9	0	0	1.6E2	0.995
20519	10617	Sisma X SLO	33.5	0	0	0	1.6E2	0.995	20520	10617	Sisma Y SLO	0	33.5	0	0	1.6E2	0.995
20521	10617	Sisma X SLD	27.8	0	0	0	1.6E2	0.995	20522	10617	Sisma Y SLD	0	27.8	0	0	1.6E2	0.995
20523	10618	Sisma X SLV	42.6	0	0	0	1.1E2	0.995	20524	10618	Sisma Y SLV	0	42.6	0	0	1.1E2	0.995
20525	10618	Sisma X SLO	22.7	0	0	0	1.1E2	0.995	20526	10618	Sisma Y SLO	0	22.7	0	0	1.1E2	0.995
20527	10618	Sisma X SLD	18.8	0	0	0	1.1E2	0.995	20528	10618	Sisma Y SLD	0	18.8	0	0	1.1E2	0.995
20529	10619	Sisma X SLV	38.4	0	0	0	9.7E1	0.995	20530	10619	Sisma Y SLV	0	38.4	0	0	9.7E1	0.995
20531	10619	Sisma X SLO	20.5	0	0	0	9.7E1	0.995	20532	10619	Sisma Y SLO	0	20.5	0	0	9.7E1	0.995
20533	10619	Sisma X SLD	17	0	0	0	9.7E1	0.995	20534	10619	Sisma Y SLD	0	17	0	0	9.7E1	0.995
20535	10620	Sisma X SLV	38.5	0	0	0	96.81	0.995	20536	10620	Sisma Y SLV	0	38.5	0	0	96.81	0.995
20537	10620	Sisma X SLO	20.5	0	0	0	96.81	0.995	20538	10620	Sisma Y SLO	0	20.5	0	0	96.81	0.995
20539	10620	Sisma X SLD	17	0	0	0	96.81	0.995	20540	10620	Sisma Y SLD	0	17	0	0	96.81	0.995
20541	10621	Sisma X SLV	62.9	0	0	0	1.6E2	0.995	20542	10621	Sisma Y SLV	0	62.9	0	0	1.6E2	0.995
20543	10621	Sisma X SLO	33.6	0	0	0	1.6E2	0.995	20544	10621	Sisma Y SLO	0	33.6	0	0	1.6E2	0.995
20545	10621	Sisma X SLD	27.9	0	0	0	1.6E2	0.995	20546	10621	Sisma Y SLD	0	27.9	0	0	1.6E2	0.995
20547	10622	Sisma X SLV	63	0	0	0	1.6E2	0.995	20548	10622	Sisma Y SLV	0	63	0	0	1.6E2	0.995
20549	10622	Sisma X SLO	33.6	0	0	0	1.6E2	0.995	20550	10622	Sisma Y SLO	0	33.6	0	0	1.6E2	0.995
20551	10622	Sisma X SLD	27.9	0	0	0	1.6E2	0.995	20552	10622	Sisma Y SLD	0	27.9	0	0	1.6E2	0.995
20553	10623	Sisma X SLV	69.6	0	0	0	1.7E2	0.995	20554	10623	Sisma Y SLV	0	69.6	0	0	1.7E2	0.995
20555	10623	Sisma X SLO	37.1	0	0	0	1.7E2	0.995	20556	10623	Sisma Y SLO	0	37.1	0	0	1.7E2	0.995
20557	10623	Sisma X SLD	30.8	0	0	0	1.7E2	0.995	20558	10623	Sisma Y SLD	0	30.8	0	0	1.7E2	0.995
20559	10624	Sisma X SLV	63	0	0	0	1.6E2	0.996	20560	10624	Sisma Y SLV	0	63	0	0	1.6E2	0.996
20561	10624	Sisma X SLO	33.6	0	0	0	1.6E2	0.996	20562	10624	Sisma Y SLO	0	33.6	0	0	1.6E2	0.996
20563	10624	Sisma X SLD	27.9	0	0	0	1.6E2	0.996	20564	10624	Sisma Y SLD	0	27.9	0	0	1.6E2	0.996
20565	10625	Sisma X SLV	62.9	0	0	0	1.6E2	0.996	20566	10625	Sisma Y SLV	0	62.9	0	0	1.6E2	0.996
20567	10625	Sisma X SLO	33.5	0	0	0	1.6E2	0.996	20568	10625	Sisma Y SLO	0	33.5	0	0	1.6E2	0.996
20569	10625	Sisma X SLD	27.8	0	0	0	1.6E2	0.996	20570	10625	Sisma Y SLD	0	27.8	0	0	1.6E2	0.996
20571	10626	Sisma X SLV	31.1	0	0	0	7.8E1	0.996	20572	10626	Sisma Y SLV	0	31.1	0	0	7.8E1	0.996
20573	10626	Sisma X SLO	16.6	0	0	0	7.8E1	0.996	20574	10626	Sisma Y SLO	0	16.6	0	0	7.8E1	0.996
20575	10626	Sisma X SLD	13.8	0	0	0	7.8E1	0.996	20576	10626	Sisma Y SLD	0	13.8	0	0	7.8E1	0.996
20577	10627	Sisma X SLV	35.5	0	0	0	8.9E1	0.996	20578	10627	Sisma Y SLV	0	35.5	0	0	8.9E1	0.996
20579	10627	Sisma X SLO	18.9	0	0	0	8.9E1	0.996	20580	10627	Sisma Y SLO	0	18.9	0	0	8.9E1	0.996
20581	10627	Sisma X SLD	15.7	0	0	0	8.9E1	0.996	20582	10627	Sisma Y SLD	0	15.7	0	0	8.9E1	0.996
20583	10628	Sisma X SLV	62.7	0	0	0	1.6E2	0.996	20584	10628	Sisma Y SLV	0	62.7	0	0	1.6E2	0.996
20585	10628	Sisma X SLO	33.4	0	0	0	1.6E2	0.996	20586	10628	Sisma Y SLO	0	33.4	0	0	1.6E2	0.996
20587	10628	Sisma X SLD	27.8	0	0	0	1.6E2	0.996	20588	10628	Sisma Y SLD	0	27.8	0	0	1.6E2	0.996
20589	10629	Sisma X SLV	62.6	0	0	0	1.6E2	0.996	20590	10629	Sisma Y SLV	0	62.6	0	0	1.6E2	0.996
20591	10629	Sisma X SLO	33.4	0	0	0	1.6E2	0.996	20592	10629	Sisma Y SLO	0	33.4	0	0	1.6E2	0.996
20593	10629	Sisma X SLD	27.7	0	0	0	1.6E2	0.996	20594	10629	Sisma Y SLD	0	27.7	0	0	1.6E2	0.996
20595	10630	Sisma X SLV	62.4	0	0	0	1.6E2	0.997	20596	10630	Sisma Y SLV	0	62.4	0	0	1.6E2	0.997
20597	10630	Sisma X SLO	33.3	0	0	0	1.6E2	0.997	20598	10630	Sisma Y SLO	0	33.3	0	0	1.6E2	0.997
20599	10630	Sisma X SLD	27.6	0	0	0	1.6E2	0.997	20600	10630	Sisma Y SLD	0	27.6	0	0	1.6E2	0.997
20601	10631	Sisma X SLV	43.8	0	0	0	1.1E2	0.997	20602	10631	Sisma Y SLV	0	43.8	0	0	1.1E2	0.997
20603	10631	Sisma X SLO	23.4	0	0	0	1.1E2	0.997	20604	10631	Sisma Y SLO	0	23.4	0	0	1.1E2	0.997
20605	10631	Sisma X SLD	19.4	0	0	0	1.1E2	0.997	20606	10631	Sisma Y SLD	0	19.4	0	0	1.1E2	0.997
20607	10632	Sisma X SLV	62.4	0	0	0	1.6E2	0.997	20608	10632	Sisma Y SLV	0	62.4	0	0	1.6E2	0.997
20609	10632	Sisma X SLO	33.3	0	0	0	1.6E2	0.997	20610	10632	Sisma Y SLO	0	33.3	0	0	1.6E2	0.997
20611	10632	Sisma X SLD	27.6	0	0	0	1.6E2	0.997	20612	10632	Sisma Y SLD	0	27.6	0	0	1.6E2	0.997
20613	10633	Sisma X SLV	41.6	0	0	0	1.0E2	0.997	20614	10633	Sisma Y SLV	0	41.6	0	0	1.0E2	0.997
20615	10633	Sisma X SLO	22.2	0	0	0	1.0E2	0.997	20616	10633	Sisma Y SLO	0	22.2	0	0	1.0E2	0.997
20617	10633	Sisma X SLD	18.4	0	0	0	1.0E2	0.997	20618	10633	Sisma Y SLD	0	18.4	0	0	1.0E2	0.997
20619	10634	Sisma X SLV	62.8	0	0	0	1.6E2	0.997	20620	10634	Sisma Y SLV	0	62.8	0	0	1.6E2	0.997
20621	10634	Sisma X SLO	33.5	0	0	0	1.6E2	0.997	20622	10634	Sisma Y SLO	0	33.5	0	0	1.6E2	0.997
20623	10634	Sisma X SLD	27.8	0	0	0	1.6E2	0.997	20624	10634	Sisma Y SLD	0	27.8	0	0	1.6E2	0.997
20625	10635	Sisma X SLV	43.4	0	0	0	1.1E2	0.997	20626	10635	Sisma Y SLV	0	43.4	0	0	1.1E2	0.997
20627	10635	Sisma X SLO	23.1	0	0	0	1.1E2	0.997	20628	10635	Sisma Y SLO	0	23.1	0	0	1.1E2	0.997
20629	10635	Sisma X SLD	19.2	0	0	0	1.1E2	0.997	20630	10635	Sisma Y SLD	0	19.2	0	0	1.1E2	0.997
20631	10636	Sisma X SLV	63.6	0	0	0	1.6E2	0.997	20632	10636	Sisma Y SLV	0	63.6	0	0	1.6E2	0.997
20633	10636	Sisma X SLO	33.9	0	0	0	1.6E2	0.997	20634	10636	Sisma Y SLO	0	33.9	0	0	1.6E2	0.997
20635	10636	Sisma X SLD	28.2	0	0	0	1.6E2	0.997	20636	10636	Sisma Y SLD	0	28.2	0	0	1.6E2	0.997
20637	10637	Sisma X SLV	35.7	0	0	0	9.0E1	0.997	20638	10637	Sisma Y SLV	0	35.7	0	0	9.0E1	0.997
20639	10637	Sisma X SLO	19.1	0	0	0	9.0E1	0.997	20640	10637	Sisma Y SLO	0	19.1	0	0	9.0E1	0.997
20641	10637	Sisma X SLD	15.8	0	0	0	9.0E1	0.997	20642	10637	Sisma Y SLD	0	15.8	0	0	9.0E1	0.997
20643	10638	Sisma X SLV	36.8	0	0	0	9.2E1	0.997	20644	10638	Sisma Y SLV	0	36.8	0	0	9.2E1	0.997
20645	10638	Sisma X SLO	19.6	0	0	0	9.2E1	0.997	20646	10638	Sisma Y SLO	0	19.6	0	0	9.2E1	0.997
20647	10638	Sisma X SLD	16.3	0	0	0	9.2E1	0.997	20648	10638	Sisma Y SLD	0	16.3	0	0	9.2E1	0.997
20649	10639	Sisma X SLV	62	0	0	0	1.6E2	0.997	20650	10639	Sisma Y SLV	0	62	0	0	1.6E2	0.997
20651	10639	Sisma X SLO	33.1	0	0	0	1.6E2	0.997	20652	10639	Sisma Y SLO	0	33.1	0	0	1.6E2	0.997
20653	10639	Sisma X SLD	27.4	0	0	0	1.6E2	0.997	20654	10639	Sisma Y SLD	0	27.4	0	0	1.6E2	0.997
20655	10640	Sisma X SLV	64.5	0	0	0	1.6E2	0.997	20656	10640	Sisma Y SLV	0	64.5	0	0	1.6E2	0.997
20657	10640	Sisma X SLO	34.4	0	0	0	1.6E2	0.997	20658	10640	Sisma Y SLO	0	34.4	0	0	1.6E2	0.997
20659	10640	Sisma X SLD	28.6	0	0	0	1.6E2	0.997	20660	10640	Sisma Y SLD	0	28.6	0	0	1.6E2	0.997
20661	10641	Sisma X SLV	44.7	0	0	0	1.1E2	0.998	20662	10641	Sisma Y SLV	0	44.7	0	0	1.1E2	0.998
20663	10641	Sisma X SLO	23.8	0	0	0	1.1E2	0.998	20664	10641	Sisma Y SLO	0	23.8	0	0	1.1E2	0.998
20665	10641	Sisma X SLD	19.8	0	0	0	1.1E2	0.998	20666	10641	Sisma Y SLD	0	19.8	0	0	1.1E2	0.998
20667	10642	Sisma X SLV	65	0	0	0	1.6E2	0.998	20668	10642	Sisma Y SLV	0	65	0	0	1.6E2	0.998
20669	10642	Sisma X SLO	34.7	0	0	0	1.6E2	0.998	20670	10642	Sisma Y SLO	0	34.7	0	0	1.6E2	0.998
20671	10642	Sisma X SLD	28.8	0	0	0	1.6E2	0.998	20672	10642	Sisma Y SLD	0	28.8	0	0	1.6E2	0.998
20673	10643	Sisma X SLV	44.5	0	0	0	1.1E2	0.998	20674	10643	Sisma Y SLV	0	44.5	0	0	1.1E2	0.998
20675	10643	Sisma X SLO	23.7	0	0	0	1.1E2	0.998	20676	10643	Sisma Y SLO	0	23.7	0	0	1.1E2	0.998
20677	10643	Sisma X SLD	19.7	0	0	0	1.1E2	0.998	20678	10643	Sisma Y SLD	0	19.7	0	0	1.1E2	0.998
20679	10644	Sisma X SLV	65	0	0	0	1.6E2	0.998	20680	10644	Sisma Y SLV	0	65	0	0	1.6E2	0.998
20681	10644	Sisma X SLO	34.7	0	0	0	1.6E2	0.998	20682	10644	Sisma Y SLO	0	34.7	0	0	1.6E2	0.998
20683	10644	Sisma X SLD	28.8	0	0	0	1.6E2	0.998	20684	10644	Sisma Y SLD	0	28.8	0	0	1.6E2	0.998
20685	10645	Sisma X SLV	47.6	0	0	0	1.2E2	0.998	20686	10645	Sisma Y SLV	0	47.6	0	0	1.2E2	0.998
20687	10645	Sisma X SLO	25.4	0	0	0	1.2E2	0.998	20688	10645	Sisma Y SLO	0	25.4	0	0	1.2E2	0.998
20689	10645	Sisma X SLD	21.1	0	0	0	1.2E2	0.998	20690	10645	Sisma Y SLD	0	21.1	0	0	1.2E2	0.998
20691	10646	Sisma X SLV	39.6	0	0	0	99.17	0.998	20692	10646	Sisma Y SLV	0	39.6	0	0	99.17	0.998
20693	10646	Sisma X SLO	21.1	0	0	0	99.17	0.998	20694	10646	Sisma Y SLO	0	21.1	0	0	99.17	0.998
20695	10646	Sisma X SLD	17.5	0	0	0	99.17	0.998	20696	10646	Sisma Y SLD	0	17.5	0	0	99.17	0.998
20697	10647	Sisma X SLV	61.9	0	0	0	1.6E2	0.998	20698	10647	Sisma Y SLV	0	61.9	0	0	1.6E2	0.998
20699	10647	Sisma X SLO	33	0	0	0	1.6E2	0.998	20700	10647	Sisma Y SLO	0	33	0	0	1.6E2	0.998
20701	10647	Sisma X SLD	27.4	0	0	0	1.6E2	0.998	20702	10647	Sisma Y SLD	0	27.4	0	0	1.6E2	0.998
20703	10648	Sisma X SLV	64.6	0	0	0	1.6E2	0.998	20704	10648	Sisma Y SLV	0	64.6	0	0	1.6E2	0.998
20705	10648	Sisma X SLO	34.4	0	0	0	1.6E2	0.998	20706	10648	Sisma Y SLO	0	34.4	0	0	1.6E2	0.998
20707	10648	Sisma X SLD	28.6	0	0	0	1.6E2	0.998	20708	10648	Sisma Y SLD	0	28.6	0	0	1.6E2	0.998
20709	10649	Sisma X SLV	44	0	0	0	1.1E2	0.998	20710	10649	Sisma Y SLV	0	44	0	0	1.1E2	0.998
20711	10649	Sisma X SLO	23.5	0	0	0	1.1E2	0.998	20712	10649	Sisma Y SLO	0	23.5	0	0	1.1E2	0.998

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
20713	10649	Sisma X SLD	19.5	0	0	0	1.1E2	0.998	20714	10649	Sisma Y SLD	0	19.5	0	0	1.1E2	0.998
20715	10650	Sisma X SLV	42.5	0	0	0	1.1E2	0.998	20716	10650	Sisma Y SLV	0	42.5	0	0	1.1E2	0.998
20717	10650	Sisma X SLO	22.6	0	0	0	1.1E2	0.998	20718	10650	Sisma Y SLO	0	22.6	0	0	1.1E2	0.998
20719	10650	Sisma X SLD	18.8	0	0	0	1.1E2	0.998	20720	10650	Sisma Y SLD	0	18.8	0	0	1.1E2	0.998
20721	10651	Sisma X SLV	63.7	0	0	0	1.6E2	0.998	20722	10651	Sisma Y SLV	0	63.7	0	0	1.6E2	0.998
20723	10651	Sisma X SLO	34	0	0	0	1.6E2	0.998	20724	10651	Sisma Y SLO	0	34	0	0	1.6E2	0.998
20725	10651	Sisma X SLD	28.2	0	0	0	1.6E2	0.998	20726	10651	Sisma Y SLD	0	28.2	0	0	1.6E2	0.998
20727	10652	Sisma X SLV	62.7	0	0	0	1.6E2	0.998	20728	10652	Sisma Y SLV	0	62.7	0	0	1.6E2	0.998
20729	10652	Sisma X SLO	33.4	0	0	0	1.6E2	0.998	20730	10652	Sisma Y SLO	0	33.4	0	0	1.6E2	0.998
20731	10652	Sisma X SLD	27.7	0	0	0	1.6E2	0.998	20732	10652	Sisma Y SLD	0	27.7	0	0	1.6E2	0.998
20733	10653	Sisma X SLV	49	0	0	0	1.2E2	0.998	20734	10653	Sisma Y SLV	0	49	0	0	1.2E2	0.998
20735	10653	Sisma X SLO	26.1	0	0	0	1.2E2	0.998	20736	10653	Sisma Y SLO	0	26.1	0	0	1.2E2	0.998
20737	10653	Sisma X SLD	21.7	0	0	0	1.2E2	0.998	20738	10653	Sisma Y SLD	0	21.7	0	0	1.2E2	0.998
20739	10654	Sisma X SLV	35.9	0	0	0	9.0E1	0.999	20740	10654	Sisma Y SLV	0	35.9	0	0	9.0E1	0.999
20741	10654	Sisma X SLO	19.1	0	0	0	9.0E1	0.999	20742	10654	Sisma Y SLO	0	19.1	0	0	9.0E1	0.999
20743	10654	Sisma X SLD	15.9	0	0	0	9.0E1	0.999	20744	10654	Sisma Y SLD	0	15.9	0	0	9.0E1	0.999
20745	10655	Sisma X SLV	36.4	0	0	0	91.05	0.999	20746	10655	Sisma Y SLV	0	36.4	0	0	91.05	0.999
20747	10655	Sisma X SLO	19.4	0	0	0	91.05	0.999	20748	10655	Sisma Y SLO	0	19.4	0	0	91.05	0.999
20749	10655	Sisma X SLD	16.1	0	0	0	91.05	0.999	20750	10655	Sisma Y SLD	0	16.1	0	0	91.05	0.999
20751	10656	Sisma X SLV	36.3	0	0	0	9.1E1	0.999	20752	10656	Sisma Y SLV	0	36.3	0	0	9.1E1	0.999
20753	10656	Sisma X SLO	19.3	0	0	0	9.1E1	0.999	20754	10656	Sisma Y SLO	0	19.3	0	0	9.1E1	0.999
20755	10656	Sisma X SLD	16.1	0	0	0	9.1E1	0.999	20756	10656	Sisma Y SLD	0	16.1	0	0	9.1E1	0.999
20757	10657	Sisma X SLV	44.8	0	0	0	1.1E2	0.999	20758	10657	Sisma Y SLV	0	44.8	0	0	1.1E2	0.999
20759	10657	Sisma X SLO	23.9	0	0	0	1.1E2	0.999	20760	10657	Sisma Y SLO	0	23.9	0	0	1.1E2	0.999
20761	10657	Sisma X SLD	19.8	0	0	0	1.1E2	0.999	20762	10657	Sisma Y SLD	0	19.8	0	0	1.1E2	0.999
20763	10658	Sisma X SLV	41.8	0	0	0	1.0E2	0.999	20764	10658	Sisma Y SLV	0	41.8	0	0	1.0E2	0.999
20765	10658	Sisma X SLO	22.3	0	0	0	1.0E2	0.999	20766	10658	Sisma Y SLO	0	22.3	0	0	1.0E2	0.999
20767	10658	Sisma X SLD	18.5	0	0	0	1.0E2	0.999	20768	10658	Sisma Y SLD	0	18.5	0	0	1.0E2	0.999
20769	10659	Sisma X SLV	38.8	0	0	0	9.7E1	1	20770	10659	Sisma Y SLV	0	38.8	0	0	9.7E1	1
20771	10659	Sisma X SLO	20.7	0	0	0	9.7E1	1	20772	10659	Sisma Y SLO	0	20.7	0	0	9.7E1	1
20773	10659	Sisma X SLD	17.2	0	0	0	9.7E1	1	20774	10659	Sisma Y SLD	0	17.2	0	0	9.7E1	1
20775	10660	Sisma X SLV	35.3	0	0	0	8.8E1	1.001	20776	10660	Sisma Y SLV	0	35.3	0	0	8.8E1	1.001
20777	10660	Sisma X SLO	18.8	0	0	0	8.8E1	1.001	20778	10660	Sisma Y SLO	0	18.8	0	0	8.8E1	1.001
20779	10660	Sisma X SLD	15.6	0	0	0	8.8E1	1.001	20780	10660	Sisma Y SLD	0	15.6	0	0	8.8E1	1.001
20781	10661	Sisma X SLV	55.8	0	0	0	1.4E2	1.002	20782	10661	Sisma Y SLV	0	55.8	0	0	1.4E2	1.002
20783	10661	Sisma X SLO	29.8	0	0	0	1.4E2	1.002	20784	10661	Sisma Y SLO	0	29.8	0	0	1.4E2	1.002
20785	10661	Sisma X SLD	24.7	0	0	0	1.4E2	1.002	20786	10661	Sisma Y SLD	0	24.7	0	0	1.4E2	1.002
20787	10662	Sisma X SLV	28.9	0	0	0	7.2E1	1.004	20788	10662	Sisma Y SLV	0	28.9	0	0	7.2E1	1.004
20789	10662	Sisma X SLO	15.4	0	0	0	7.2E1	1.004	20790	10662	Sisma Y SLO	0	15.4	0	0	7.2E1	1.004
20791	10662	Sisma X SLD	12.8	0	0	0	7.2E1	1.004	20792	10662	Sisma Y SLD	0	12.8	0	0	7.2E1	1.004
20793	10663	Sisma X SLV	27.6	0	0	0	6.9E1	1.004	20794	10663	Sisma Y SLV	0	27.6	0	0	6.9E1	1.004
20795	10663	Sisma X SLO	14.7	0	0	0	6.9E1	1.004	20796	10663	Sisma Y SLO	0	14.7	0	0	6.9E1	1.004
20797	10663	Sisma X SLD	12.2	0	0	0	6.9E1	1.004	20798	10663	Sisma Y SLD	0	12.2	0	0	6.9E1	1.004
20799	10664	Sisma X SLV	29.7	0	0	0	7.4E1	1.004	20800	10664	Sisma Y SLV	0	29.7	0	0	7.4E1	1.004
20801	10664	Sisma X SLO	15.9	0	0	0	7.4E1	1.004	20802	10664	Sisma Y SLO	0	15.9	0	0	7.4E1	1.004
20803	10664	Sisma X SLD	13.2	0	0	0	7.4E1	1.004	20804	10664	Sisma Y SLD	0	13.2	0	0	7.4E1	1.004
20805	10665	Sisma X SLV	31.1	0	0	0	7.7E1	1.005	20806	10665	Sisma Y SLV	0	31.1	0	0	7.7E1	1.005
20807	10665	Sisma X SLO	16.6	0	0	0	7.7E1	1.005	20808	10665	Sisma Y SLO	0	16.6	0	0	7.7E1	1.005
20809	10665	Sisma X SLD	13.8	0	0	0	7.7E1	1.005	20810	10665	Sisma Y SLD	0	13.8	0	0	7.7E1	1.005
20811	10666	Sisma X SLV	24.8	0	0	0	6.2E1	1.006	20812	10666	Sisma Y SLV	0	24.8	0	0	6.2E1	1.006
20813	10666	Sisma X SLO	13.2	0	0	0	6.2E1	1.006	20814	10666	Sisma Y SLO	0	13.2	0	0	6.2E1	1.006
20815	10666	Sisma X SLD	11	0	0	0	6.2E1	1.006	20816	10666	Sisma Y SLD	0	11	0	0	6.2E1	1.006
20817	10667	Sisma X SLV	27.8	0	0	0	6.9E1	1.006	20818	10667	Sisma Y SLV	0	27.8	0	0	6.9E1	1.006
20819	10667	Sisma X SLO	14.8	0	0	0	6.9E1	1.006	20820	10667	Sisma Y SLO	0	14.8	0	0	6.9E1	1.006
20821	10667	Sisma X SLD	12.3	0	0	0	6.9E1	1.006	20822	10667	Sisma Y SLD	0	12.3	0	0	6.9E1	1.006
20823	10668	Sisma X SLV	25.9	0	0	0	64.31	1.008	20824	10668	Sisma Y SLV	0	25.9	0	0	64.31	1.008
20825	10668	Sisma X SLO	13.8	0	0	0	64.31	1.008	20826	10668	Sisma Y SLO	0	13.8	0	0	64.31	1.008
20827	10668	Sisma X SLD	11.5	0	0	0	64.31	1.008	20828	10668	Sisma Y SLD	0	11.5	0	0	64.31	1.008
20829	10669	Sisma X SLV	24.6	0	0	0	6.1E1	1.008	20830	10669	Sisma Y SLV	0	24.6	0	0	6.1E1	1.008
20831	10669	Sisma X SLO	13.1	0	0	0	6.1E1	1.008	20832	10669	Sisma Y SLO	0	13.1	0	0	6.1E1	1.008
20833	10669	Sisma X SLD	10.9	0	0	0	6.1E1	1.008	20834	10669	Sisma Y SLD	0	10.9	0	0	6.1E1	1.008
20835	10670	Sisma X SLV	29.4	0	0	0	7.3E1	1.008	20836	10670	Sisma Y SLV	0	29.4	0	0	7.3E1	1.008
20837	10670	Sisma X SLO	15.7	0	0	0	7.3E1	1.008	20838	10670	Sisma Y SLO	0	15.7	0	0	7.3E1	1.008
20839	10670	Sisma X SLD	13	0	0	0	7.3E1	1.008	20840	10670	Sisma Y SLD	0	13	0	0	7.3E1	1.008
20841	10671	Sisma X SLV	25.9	0	0	0	6.4E1	1.009	20842	10671	Sisma Y SLV	0	25.9	0	0	6.4E1	1.009
20843	10671	Sisma X SLO	13.8	0	0	0	6.4E1	1.009	20844	10671	Sisma Y SLO	0	13.8	0	0	6.4E1	1.009
20845	10671	Sisma X SLD	11.5	0	0	0	6.4E1	1.009	20846	10671	Sisma Y SLD	0	11.5	0	0	6.4E1	1.009
20847	10672	Sisma X SLV	29.5	0	0	0	7.3E1	1.009	20848	10672	Sisma Y SLV	0	29.5	0	0	7.3E1	1.009
20849	10672	Sisma X SLO	15.7	0	0	0	7.3E1	1.009	20850	10672	Sisma Y SLO	0	15.7	0	0	7.3E1	1.009
20851	10672	Sisma X SLD	13	0	0	0	7.3E1	1.009	20852	10672	Sisma Y SLD	0	13	0	0	7.3E1	1.009
20853	10673	Sisma X SLV	29.8	0	0	0	7.4E1	1.012	20854	10673	Sisma Y SLV	0	29.8	0	0	7.4E1	1.012
20855	10673	Sisma X SLO	15.9	0	0	0	7.4E1	1.012	20856	10673	Sisma Y SLO	0	15.9	0	0	7.4E1	1.012
20857	10673	Sisma X SLD	13.2	0	0	0	7.4E1	1.012	20858	10673	Sisma Y SLD	0	13.2	0	0	7.4E1	1.012
20859	10674	Sisma X SLV	29.9	0	0	0	7.4E1	1.014	20860	10674	Sisma Y SLV	0	29.9	0	0	7.4E1	1.014
20861	10674	Sisma X SLO	16	0	0	0	7.4E1	1.014	20862	10674	Sisma Y SLO	0	16	0	0	7.4E1	1.014
20863	10674	Sisma X SLD	13.2	0	0	0	7.4E1	1.014	20864	10674	Sisma Y SLD	0	13.2	0	0	7.4E1	1.014
20865	10675	Sisma X SLV	65.4	0	0	0	1.6E2	1.02	20866	10675	Sisma Y SLV	0	65.4	0	0	1.6E2	1.02
20867	10675	Sisma X SLO	34.9	0	0	0	1.6E2	1.02	20868	10675	Sisma Y SLO	0	34.9	0	0	1.6E2	1.02
20869	10675	Sisma X SLD	29	0	0	0	1.6E2	1.02	20870	10675	Sisma Y SLD	0	29	0	0	1.6E2	1.02
20871	10676	Sisma X SLV	63.1	0	0	0	1.5E2	1.066	20872	10676	Sisma Y SLV	0	63.1	0	0	1.5E2	1.066
20873	10676	Sisma X SLO	33.6	0	0	0	1.5E2	1.066	20874	10676	Sisma Y SLO	0	33.6	0	0	1.5E2	1.066
20875	10676	Sisma X SLD	27.9	0	0	0	1.5E2	1.066	20876	10676	Sisma Y SLD	0	27.9	0	0	1.5E2	1.066
20877	10677	Sisma X SLV	61.2	0	0	0	1.4E2	1.066	20878	10677	Sisma Y SLV	0	61.2	0	0	1.4E2	1.066
20879	10677	Sisma X SLO	32.6	0	0	0	1.4E2	1.066	20880	10677	Sisma Y SLO	0	32.6	0	0	1.4E2	1.066
20881	10677	Sisma X SLD	27.1	0	0	0	1.4E2	1.066	20882	10677	Sisma Y SLD	0	27.1	0	0	1.4E2	1.066
20883	10678	Sisma X SLV	66.7	0	0	0	1.6E2	1.066	20884	10678	Sisma Y SLV	0	66.7	0	0	1.6E2	1.066
20885	10678	Sisma X SLO	35.6	0	0	0	1.6E2	1.066	20886	10678	Sisma Y SLO	0	35.6	0	0	1.6E2	1.066
20887	10678	Sisma X SLD	29.5	0	0	0	1.6E2	1.066	20888	10678	Sisma Y SLD	0	29.5	0	0	1.6E2	1.066
20889	10679	Sisma X SLV	66.7	0	0	0	1.6E2	1.067	20890	10679	Sisma Y SLV	0	66.7	0	0	1.6E2	1.067
20891	10679	Sisma X SLO	35.6	0	0	0	1.6E2	1.067	20892	10679	Sisma Y SLO	0	35.6	0	0	1.6E2	1.067
20893	10679	Sisma X SLD	29.5	0	0	0	1.6E2	1.067	20894	10679	Sisma Y SLD	0	29.5	0	0	1.6E2	1.067
20895	10680	Sisma X SLV	60.9	0	0	0	1.4E2	1.067	20896	10680	Sisma Y SLV	0	60.9	0	0	1.4E2	1.067
20897	10680	Sisma X SLO	32.5	0	0	0	1.4E2	1.067	20898	10680	Sisma Y SLO	0	32.5	0	0	1.4E2	1.067
20899	10680	Sisma X SLD	27	0	0	0	1.4E2	1.067	20900	10680	Sisma Y SLD	0	27	0	0	1.4E2	1.067
20901	10681	Sisma X SLV	59.5	0	0	0	1.4E2	1.067	20902	10681	Sisma Y SLV	0	59.5	0	0	1.4E2	1.067
20903	10681	Sisma X SLO	31.7	0	0	0	1.4E2	1.067	20904	10681	Sisma Y SLO	0	31.7	0	0	1.4E2	1.067
20905	10681	Sisma X SLD	26.3	0	0	0	1.4E2	1.067	20906	10681	Sisma Y SLD	0	26.3	0	0	1.4E2	1.067
20907	10682	Sisma X SLV	47.3	0	0	0	1.1E2	1.068	20908	10682	Sisma Y SLV	0	47.3	0	0	1.1E2	1.068
20909	10682	Sisma X SLO	25.2	0	0	0	1.1E2	1.068	20910	10682	Sisma Y SLO	0	25.2	0	0	1.1E2	1.068
20911	10682	Sisma X SLD	21	0	0	0	1.1E2	1.068	20912	10682	Sisma Y SLD	0	21	0	0	1.1E2	1.068

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
20913	10683	Sisma X SLV	64.3	0	0	0	1.5E2	1.068	20914	10683	Sisma Y SLV	0	64.3	0	0	1.5E2	1.068
20915	10683	Sisma X SLO	34.3	0	0	0	1.5E2	1.068	20916	10683	Sisma Y SLO	0	34.3	0	0	1.5E2	1.068
20917	10683	Sisma X SLD	28.4	0	0	0	1.5E2	1.068	20918	10683	Sisma Y SLD	0	28.4	0	0	1.5E2	1.068
20919	10684	Sisma X SLV	59.6	0	0	0	1.4E2	1.068	20920	10684	Sisma Y SLV	0	59.6	0	0	1.4E2	1.068
20921	10684	Sisma X SLO	31.8	0	0	0	1.4E2	1.068	20922	10684	Sisma Y SLO	0	31.8	0	0	1.4E2	1.068
20923	10684	Sisma X SLD	26.4	0	0	0	1.4E2	1.068	20924	10684	Sisma Y SLD	0	26.4	0	0	1.4E2	1.068
20925	10685	Sisma X SLV	65.6	0	0	0	1.5E2	1.068	20926	10685	Sisma Y SLV	0	65.6	0	0	1.5E2	1.068
20927	10685	Sisma X SLO	35	0	0	0	1.5E2	1.068	20928	10685	Sisma Y SLO	0	35	0	0	1.5E2	1.068
20929	10685	Sisma X SLD	29	0	0	0	1.5E2	1.068	20930	10685	Sisma Y SLD	0	29	0	0	1.5E2	1.068
20931	10686	Sisma X SLV	60.7	0	0	0	1.4E2	1.068	20932	10686	Sisma Y SLV	0	60.7	0	0	1.4E2	1.068
20933	10686	Sisma X SLO	32.4	0	0	0	1.4E2	1.068	20934	10686	Sisma Y SLO	0	32.4	0	0	1.4E2	1.068
20935	10686	Sisma X SLD	26.9	0	0	0	1.4E2	1.068	20936	10686	Sisma Y SLD	0	26.9	0	0	1.4E2	1.068
20937	10687	Sisma X SLV	43.5	0	0	0	1.0E2	1.069	20938	10687	Sisma Y SLV	0	43.5	0	0	1.0E2	1.069
20939	10687	Sisma X SLO	23.2	0	0	0	1.0E2	1.069	20940	10687	Sisma Y SLO	0	23.2	0	0	1.0E2	1.069
20941	10687	Sisma X SLD	19.3	0	0	0	1.0E2	1.069	20942	10687	Sisma Y SLD	0	19.3	0	0	1.0E2	1.069
20943	10688	Sisma X SLV	43.5	0	0	0	1.0E2	1.069	20944	10688	Sisma Y SLV	0	43.5	0	0	1.0E2	1.069
20945	10688	Sisma X SLO	23.2	0	0	0	1.0E2	1.069	20946	10688	Sisma Y SLO	0	23.2	0	0	1.0E2	1.069
20947	10688	Sisma X SLD	19.3	0	0	0	1.0E2	1.069	20948	10688	Sisma Y SLD	0	19.3	0	0	1.0E2	1.069
20949	10689	Sisma X SLV	38.5	0	0	0	9.0E1	1.069	20950	10689	Sisma Y SLV	0	38.5	0	0	9.0E1	1.069
20951	10689	Sisma X SLO	20.5	0	0	0	9.0E1	1.069	20952	10689	Sisma Y SLO	0	20.5	0	0	9.0E1	1.069
20953	10689	Sisma X SLD	17	0	0	0	9.0E1	1.069	20954	10689	Sisma Y SLD	0	17	0	0	9.0E1	1.069
20955	10690	Sisma X SLV	82.4	0	0	0	1.9E2	1.069	20956	10690	Sisma Y SLV	0	82.4	0	0	1.9E2	1.069
20957	10690	Sisma X SLO	43.9	0	0	0	1.9E2	1.069	20958	10690	Sisma Y SLO	0	43.9	0	0	1.9E2	1.069
20959	10690	Sisma X SLD	36.5	0	0	0	1.9E2	1.069	20960	10690	Sisma Y SLD	0	36.5	0	0	1.9E2	1.069
20961	10691	Sisma X SLV	47.9	0	0	0	1.1E2	1.069	20962	10691	Sisma Y SLV	0	47.9	0	0	1.1E2	1.069
20963	10691	Sisma X SLO	25.5	0	0	0	1.1E2	1.069	20964	10691	Sisma Y SLO	0	25.5	0	0	1.1E2	1.069
20965	10691	Sisma X SLD	21.2	0	0	0	1.1E2	1.069	20966	10691	Sisma Y SLD	0	21.2	0	0	1.1E2	1.069
20967	10692	Sisma X SLV	33	0	0	0	7.7E1	1.069	20968	10692	Sisma Y SLV	0	33	0	0	7.7E1	1.069
20969	10692	Sisma X SLO	17.6	0	0	0	7.7E1	1.069	20970	10692	Sisma Y SLO	0	17.6	0	0	7.7E1	1.069
20971	10692	Sisma X SLD	14.6	0	0	0	7.7E1	1.069	20972	10692	Sisma Y SLD	0	14.6	0	0	7.7E1	1.069
20973	10693	Sisma X SLV	71.5	0	0	0	1.7E2	1.069	20974	10693	Sisma Y SLV	0	71.5	0	0	1.7E2	1.069
20975	10693	Sisma X SLO	38.1	0	0	0	1.7E2	1.069	20976	10693	Sisma Y SLO	0	38.1	0	0	1.7E2	1.069
20977	10693	Sisma X SLD	31.6	0	0	0	1.7E2	1.069	20978	10693	Sisma Y SLD	0	31.6	0	0	1.7E2	1.069
20979	10694	Sisma X SLV	44.8	0	0	0	1.0E2	1.069	20980	10694	Sisma Y SLV	0	44.8	0	0	1.0E2	1.069
20981	10694	Sisma X SLO	23.9	0	0	0	1.0E2	1.069	20982	10694	Sisma Y SLO	0	23.9	0	0	1.0E2	1.069
20983	10694	Sisma X SLD	19.8	0	0	0	1.0E2	1.069	20984	10694	Sisma Y SLD	0	19.8	0	0	1.0E2	1.069
20985	10695	Sisma X SLV	22.4	0	0	0	5.2E1	1.069	20986	10695	Sisma Y SLV	0	22.4	0	0	5.2E1	1.069
20987	10695	Sisma X SLO	11.9	0	0	0	5.2E1	1.069	20988	10695	Sisma Y SLO	0	11.9	0	0	5.2E1	1.069
20989	10695	Sisma X SLD	9.9	0	0	0	5.2E1	1.069	20990	10695	Sisma Y SLD	0	9.9	0	0	5.2E1	1.069
20991	10696	Sisma X SLV	28.4	0	0	0	6.7E1	1.069	20992	10696	Sisma Y SLV	0	28.4	0	0	6.7E1	1.069
20993	10696	Sisma X SLO	15.2	0	0	0	6.7E1	1.069	20994	10696	Sisma Y SLO	0	15.2	0	0	6.7E1	1.069
20995	10696	Sisma X SLD	12.6	0	0	0	6.7E1	1.069	20996	10696	Sisma Y SLD	0	12.6	0	0	6.7E1	1.069
20997	10697	Sisma X SLV	28.4	0	0	0	6.6E1	1.069	20998	10697	Sisma Y SLV	0	28.4	0	0	6.6E1	1.069
20999	10697	Sisma X SLO	15.1	0	0	0	6.6E1	1.069	21000	10697	Sisma Y SLO	0	15.1	0	0	6.6E1	1.069
21001	10697	Sisma X SLD	12.6	0	0	0	6.6E1	1.069	21002	10697	Sisma Y SLD	0	12.6	0	0	6.6E1	1.069
21003	10698	Sisma X SLV	23.3	0	0	0	5.4E1	1.069	21004	10698	Sisma Y SLV	0	23.3	0	0	5.4E1	1.069
21005	10698	Sisma X SLO	12.4	0	0	0	5.4E1	1.069	21006	10698	Sisma Y SLO	0	12.4	0	0	5.4E1	1.069
21007	10698	Sisma X SLD	10.3	0	0	0	5.4E1	1.069	21008	10698	Sisma Y SLD	0	10.3	0	0	5.4E1	1.069
21009	10699	Sisma X SLV	23.3	0	0	0	5.4E1	1.069	21010	10699	Sisma Y SLV	0	23.3	0	0	5.4E1	1.069
21011	10699	Sisma X SLO	12.4	0	0	0	5.4E1	1.069	21012	10699	Sisma Y SLO	0	12.4	0	0	5.4E1	1.069
21013	10699	Sisma X SLD	10.3	0	0	0	5.4E1	1.069	21014	10699	Sisma Y SLD	0	10.3	0	0	5.4E1	1.069
21015	10700	Sisma X SLV	29.7	0	0	0	7.0E1	1.069	21016	10700	Sisma Y SLV	0	29.7	0	0	7.0E1	1.069
21017	10700	Sisma X SLO	15.8	0	0	0	7.0E1	1.069	21018	10700	Sisma Y SLO	0	15.8	0	0	7.0E1	1.069
21019	10700	Sisma X SLD	13.2	0	0	0	7.0E1	1.069	21020	10700	Sisma Y SLD	0	13.2	0	0	7.0E1	1.069
21021	10701	Sisma X SLV	30.8	0	0	0	7.2E1	1.069	21022	10701	Sisma Y SLV	0	30.8	0	0	7.2E1	1.069
21023	10701	Sisma X SLO	16.4	0	0	0	7.2E1	1.069	21024	10701	Sisma Y SLO	0	16.4	0	0	7.2E1	1.069
21025	10701	Sisma X SLD	13.6	0	0	0	7.2E1	1.069	21026	10701	Sisma Y SLD	0	13.6	0	0	7.2E1	1.069
21027	10702	Sisma X SLV	30.3	0	0	0	7.1E1	1.069	21028	10702	Sisma Y SLV	0	30.3	0	0	7.1E1	1.069
21029	10702	Sisma X SLO	16.2	0	0	0	7.1E1	1.069	21030	10702	Sisma Y SLO	0	16.2	0	0	7.1E1	1.069
21031	10702	Sisma X SLD	13.4	0	0	0	7.1E1	1.069	21032	10702	Sisma Y SLD	0	13.4	0	0	7.1E1	1.069
21033	10703	Sisma X SLV	34	0	0	0	8.0E1	1.069	21034	10703	Sisma Y SLV	0	34	0	0	8.0E1	1.069
21035	10703	Sisma X SLO	18.1	0	0	0	8.0E1	1.069	21036	10703	Sisma Y SLO	0	18.1	0	0	8.0E1	1.069
21037	10703	Sisma X SLD	15.1	0	0	0	8.0E1	1.069	21038	10703	Sisma Y SLD	0	15.1	0	0	8.0E1	1.069
21039	10704	Sisma X SLV	22.1	0	0	0	5.2E1	1.069	21040	10704	Sisma Y SLV	0	22.1	0	0	5.2E1	1.069
21041	10704	Sisma X SLO	11.8	0	0	0	5.2E1	1.069	21042	10704	Sisma Y SLO	0	11.8	0	0	5.2E1	1.069
21043	10704	Sisma X SLD	9.8	0	0	0	5.2E1	1.069	21044	10704	Sisma Y SLD	0	9.8	0	0	5.2E1	1.069
21045	10705	Sisma X SLV	22.8	0	0	0	5.3E1	1.069	21046	10705	Sisma Y SLV	0	22.8	0	0	5.3E1	1.069
21047	10705	Sisma X SLO	12.1	0	0	0	5.3E1	1.069	21048	10705	Sisma Y SLO	0	12.1	0	0	5.3E1	1.069
21049	10705	Sisma X SLD	10.1	0	0	0	5.3E1	1.069	21050	10705	Sisma Y SLD	0	10.1	0	0	5.3E1	1.069
21051	10706	Sisma X SLV	29.1	0	0	0	6.8E1	1.069	21052	10706	Sisma Y SLV	0	29.1	0	0	6.8E1	1.069
21053	10706	Sisma X SLO	15.5	0	0	0	6.8E1	1.069	21054	10706	Sisma Y SLO	0	15.5	0	0	6.8E1	1.069
21055	10706	Sisma X SLD	12.9	0	0	0	6.8E1	1.069	21056	10706	Sisma Y SLD	0	12.9	0	0	6.8E1	1.069
21057	10707	Sisma X SLV	29.5	0	0	0	6.9E1	1.069	21058	10707	Sisma Y SLV	0	29.5	0	0	6.9E1	1.069
21059	10707	Sisma X SLO	15.7	0	0	0	6.9E1	1.069	21060	10707	Sisma Y SLO	0	15.7	0	0	6.9E1	1.069
21061	10707	Sisma X SLD	13	0	0	0	6.9E1	1.069	21062	10707	Sisma Y SLD	0	13	0	0	6.9E1	1.069
21063	10708	Sisma X SLV	21.2	0	0	0	5.0E1	1.069	21064	10708	Sisma Y SLV	0	21.2	0	0	5.0E1	1.069
21065	10708	Sisma X SLO	11.3	0	0	0	5.0E1	1.069	21066	10708	Sisma Y SLO	0	11.3	0	0	5.0E1	1.069
21067	10708	Sisma X SLD	9.4	0	0	0	5.0E1	1.069	21068	10708	Sisma Y SLD	0	9.4	0	0	5.0E1	1.069
21069	10709	Sisma X SLV	22.4	0	0	0	5.2E1	1.069	21070	10709	Sisma Y SLV	0	22.4	0	0	5.2E1	1.069
21071	10709	Sisma X SLO	11.9	0	0	0	5.2E1	1.069	21072	10709	Sisma Y SLO	0	11.9	0	0	5.2E1	1.069
21073	10709	Sisma X SLD	9.9	0	0	0	5.2E1	1.069	21074	10709	Sisma Y SLD	0	9.9	0	0	5.2E1	1.069
21075	10710	Sisma X SLV	22	0	0	0	51.54	1.069	21076	10710	Sisma Y SLV	0	22	0	0	51.54	1.069
21077	10710	Sisma X SLO	11.7	0	0	0	51.54	1.069	21078	10710	Sisma Y SLO	0	11.7	0	0	51.54	1.069
21079	10710	Sisma X SLD	9.7	0	0	0	51.54	1.069	21080	10710	Sisma Y SLD	0	9.7	0	0	51.54	1.069
21081	10711	Sisma X SLV	31.3	0	0	0	7.3E1	1.069	21082	10711	Sisma Y SLV	0	31.3	0	0	7.3E1	1.069
21083	10711	Sisma X SLO	16.7	0	0	0	7.3E1	1.069	21084	10711	Sisma Y SLO	0	16.7	0	0	7.3E1	1.069
21085	10711	Sisma X SLD	13.9	0	0	0	7.3E1	1.069	21086	10711	Sisma Y SLD	0	13.9	0	0	7.3E1	1.069
21087	10712	Sisma X SLV	21.6	0	0	0	5.1E1	1.069	21088	10712	Sisma Y SLV	0	21.6	0	0	5.1E1	1.069
21089	10712	Sisma X SLO	11.5	0	0	0	5.1E1	1.069	21090	10712	Sisma Y SLO	0	11.5	0	0	5.1E1	1.069
21091	10712	Sisma X SLD	9.6	0	0	0	5.1E1	1.069	21092	10712	Sisma Y SLD	0	9.6	0	0	5.1E1	1.069
21093	10713	Sisma X SLV	22.2	0	0	0	5.2E1	1.069	21094	10713	Sisma Y SLV	0	22.2	0	0	5.2E1	1.069
21095	10713	Sisma X SLO	11.8	0	0	0	5.2E1	1.069	21096	10713	Sisma Y SLO	0	11.8	0	0	5.2E1	1.069
21097	10713	Sisma X SLD	9.8	0	0	0	5.2E1	1.069	21098	10713	Sisma Y SLD	0	9.8	0	0	5.2E1	1.069
21099	10714	Sisma X SLV	25.7	0	0	0	6.0E1	1.069	21100	10714	Sisma Y SLV	0	25.7	0	0	6.0E1	1.069
21101	10714	Sisma X SLO	13.7	0	0	0	6.0E1	1.069	21102	10714	Sisma Y SLO	0	13.7	0	0	6.0E1	1.069
21103	10714	Sisma X SLD	11.4	0	0	0	6.0E1	1.069	21104	10714	Sisma Y SLD	0	11.4	0	0	6.0E1	1.069
21105	10715	Sisma X SLV	26.1	0	0	0	6.1E1	1.069	21106	10715	Sisma Y SLV	0	26.1	0	0	6.1E1	1.069
21107	10715	Sisma X SLO	13.9	0	0	0	6.1E1	1.069	21108	10715	Sisma Y SLO	0	13.9	0	0	6.1E1	1.069
21109	10715	Sisma X SLD	11.5	0	0	0	6.1E1	1.069	21110	10715	Sisma Y SLD	0	11.5	0	0	6.1E1	1.069
21111	10716	Sisma X SLV	30	0	0	0	7.0E1	1.069	21112	10716	Sisma Y SLV	0	30	0	0	7.0E1	1.069

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
21113	10716	Sisma X SLO	16	0	0	0	7.0E1	1.069	21114	10716	Sisma Y SLO	0	16	0	0	7.0E1	1.069
21115	10716	Sisma X SLD	13.3	0	0	0	7.0E1	1.069	21116	10716	Sisma Y SLD	0	13.3	0	0	7.0E1	1.069
21117	10717	Sisma X SLV	29.3	0	0	0	6.9E1	1.069	21118	10717	Sisma Y SLV	0	29.3	0	0	6.9E1	1.069
21119	10717	Sisma X SLO	15.6	0	0	0	6.9E1	1.069	21120	10717	Sisma Y SLO	0	15.6	0	0	6.9E1	1.069
21121	10717	Sisma X SLD	13	0	0	0	6.9E1	1.069	21122	10717	Sisma Y SLD	0	13	0	0	6.9E1	1.069
21123	10718	Sisma X SLV	21.3	0	0	0	49.97	1.069	21124	10718	Sisma Y SLV	0	21.3	0	0	49.97	1.069
21125	10718	Sisma X SLO	11.4	0	0	0	49.97	1.069	21126	10718	Sisma Y SLO	0	11.4	0	0	49.97	1.069
21127	10718	Sisma X SLD	9.4	0	0	0	49.97	1.069	21128	10718	Sisma Y SLD	0	9.4	0	0	49.97	1.069
21129	10719	Sisma X SLV	21	0	0	0	4.9E1	1.069	21130	10719	Sisma Y SLV	0	21	0	0	4.9E1	1.069
21131	10719	Sisma X SLO	11.2	0	0	0	4.9E1	1.069	21132	10719	Sisma Y SLO	0	11.2	0	0	4.9E1	1.069
21133	10719	Sisma X SLD	9.3	0	0	0	4.9E1	1.069	21134	10719	Sisma Y SLD	0	9.3	0	0	4.9E1	1.069
21135	10720	Sisma X SLV	24.4	0	0	0	5.7E1	1.069	21136	10720	Sisma Y SLV	0	24.4	0	0	5.7E1	1.069
21137	10720	Sisma X SLO	13	0	0	0	5.7E1	1.069	21138	10720	Sisma Y SLO	0	13	0	0	5.7E1	1.069
21139	10720	Sisma X SLD	10.8	0	0	0	5.7E1	1.069	21140	10720	Sisma Y SLD	0	10.8	0	0	5.7E1	1.069
21141	10721	Sisma X SLV	25.9	0	0	0	6.1E1	1.069	21142	10721	Sisma Y SLV	0	25.9	0	0	6.1E1	1.069
21143	10721	Sisma X SLO	13.8	0	0	0	6.1E1	1.069	21144	10721	Sisma Y SLO	0	13.8	0	0	6.1E1	1.069
21145	10721	Sisma X SLD	11.5	0	0	0	6.1E1	1.069	21146	10721	Sisma Y SLD	0	11.5	0	0	6.1E1	1.069
21147	10722	Sisma X SLV	31.6	0	0	0	7.4E1	1.069	21148	10722	Sisma Y SLV	0	31.6	0	0	7.4E1	1.069
21149	10722	Sisma X SLO	16.8	0	0	0	7.4E1	1.069	21150	10722	Sisma Y SLO	0	16.8	0	0	7.4E1	1.069
21151	10722	Sisma X SLD	14	0	0	0	7.4E1	1.069	21152	10722	Sisma Y SLD	0	14	0	0	7.4E1	1.069
21153	10723	Sisma X SLV	32.1	0	0	0	7.5E1	1.069	21154	10723	Sisma Y SLV	0	32.1	0	0	7.5E1	1.069
21155	10723	Sisma X SLO	17.1	0	0	0	7.5E1	1.069	21156	10723	Sisma Y SLO	0	17.1	0	0	7.5E1	1.069
21157	10723	Sisma X SLD	14.2	0	0	0	7.5E1	1.069	21158	10723	Sisma Y SLD	0	14.2	0	0	7.5E1	1.069
21159	10724	Sisma X SLV	24	0	0	0	56.12	1.069	21160	10724	Sisma Y SLV	0	24	0	0	56.12	1.069
21161	10724	Sisma X SLO	12.8	0	0	0	56.12	1.069	21162	10724	Sisma Y SLO	0	12.8	0	0	56.12	1.069
21163	10724	Sisma X SLD	10.6	0	0	0	56.12	1.069	21164	10724	Sisma Y SLD	0	10.6	0	0	56.12	1.069
21165	10725	Sisma X SLV	24.6	0	0	0	5.8E1	1.069	21166	10725	Sisma Y SLV	0	24.6	0	0	5.8E1	1.069
21167	10725	Sisma X SLO	13.1	0	0	0	5.8E1	1.069	21168	10725	Sisma Y SLO	0	13.1	0	0	5.8E1	1.069
21169	10725	Sisma X SLD	10.9	0	0	0	5.8E1	1.069	21170	10725	Sisma Y SLD	0	10.9	0	0	5.8E1	1.069
21171	10726	Sisma X SLV	31.1	0	0	0	72.77	1.069	21172	10726	Sisma Y SLV	0	31.1	0	0	72.77	1.069
21173	10726	Sisma X SLO	16.6	0	0	0	72.77	1.069	21174	10726	Sisma Y SLO	0	16.6	0	0	72.77	1.069
21175	10726	Sisma X SLD	13.8	0	0	0	72.77	1.069	21176	10726	Sisma Y SLD	0	13.8	0	0	72.77	1.069
21177	10727	Sisma X SLV	33.6	0	0	0	7.9E1	1.069	21178	10727	Sisma Y SLV	0	33.6	0	0	7.9E1	1.069
21179	10727	Sisma X SLO	17.9	0	0	0	7.9E1	1.069	21180	10727	Sisma Y SLO	0	17.9	0	0	7.9E1	1.069
21181	10727	Sisma X SLD	14.9	0	0	0	7.9E1	1.069	21182	10727	Sisma Y SLD	0	14.9	0	0	7.9E1	1.069
21183	10728	Sisma X SLV	18.8	0	0	0	4.4E1	1.069	21184	10728	Sisma Y SLV	0	18.8	0	0	4.4E1	1.069
21185	10728	Sisma X SLO	10	0	0	0	4.4E1	1.069	21186	10728	Sisma Y SLO	0	10	0	0	4.4E1	1.069
21187	10728	Sisma X SLD	8.3	0	0	0	4.4E1	1.069	21188	10728	Sisma Y SLD	0	8.3	0	0	4.4E1	1.069
21189	10729	Sisma X SLV	42.3	0	0	0	99.07	1.069	21190	10729	Sisma Y SLV	0	42.3	0	0	99.07	1.069
21191	10729	Sisma X SLO	22.6	0	0	0	99.07	1.069	21192	10729	Sisma Y SLO	0	22.6	0	0	99.07	1.069
21193	10729	Sisma X SLD	18.7	0	0	0	99.07	1.069	21194	10729	Sisma Y SLD	0	18.7	0	0	99.07	1.069
21195	10730	Sisma X SLV	97.3	0	0	0	2.3E2	1.069	21196	10730	Sisma Y SLV	0	97.3	0	0	2.3E2	1.069
21197	10730	Sisma X SLO	51.9	0	0	0	2.3E2	1.069	21198	10730	Sisma Y SLO	0	51.9	0	0	2.3E2	1.069
21199	10730	Sisma X SLD	43.1	0	0	0	2.3E2	1.069	21200	10730	Sisma Y SLD	0	43.1	0	0	2.3E2	1.069
21201	10731	Sisma X SLV	65.8	0	0	0	1.5E2	1.069	21202	10731	Sisma Y SLV	0	65.8	0	0	1.5E2	1.069
21203	10731	Sisma X SLO	35.1	0	0	0	1.5E2	1.069	21204	10731	Sisma Y SLO	0	35.1	0	0	1.5E2	1.069
21205	10731	Sisma X SLD	29.1	0	0	0	1.5E2	1.069	21206	10731	Sisma Y SLD	0	29.1	0	0	1.5E2	1.069
21207	10732	Sisma X SLV	61.6	0	0	0	1.4E2	1.069	21208	10732	Sisma Y SLV	0	61.6	0	0	1.4E2	1.069
21209	10732	Sisma X SLO	32.9	0	0	0	1.4E2	1.069	21210	10732	Sisma Y SLO	0	32.9	0	0	1.4E2	1.069
21211	10732	Sisma X SLD	27.3	0	0	0	1.4E2	1.069	21212	10732	Sisma Y SLD	0	27.3	0	0	1.4E2	1.069
21213	10733	Sisma X SLV	76.4	0	0	0	1.8E2	1.069	21214	10733	Sisma Y SLV	0	76.4	0	0	1.8E2	1.069
21215	10733	Sisma X SLO	40.7	0	0	0	1.8E2	1.069	21216	10733	Sisma Y SLO	0	40.7	0	0	1.8E2	1.069
21217	10733	Sisma X SLD	33.8	0	0	0	1.8E2	1.069	21218	10733	Sisma Y SLD	0	33.8	0	0	1.8E2	1.069
21219	10734	Sisma X SLV	96.3	0	0	0	2.3E2	1.069	21220	10734	Sisma Y SLV	0	96.3	0	0	2.3E2	1.069
21221	10734	Sisma X SLO	51.3	0	0	0	2.3E2	1.069	21222	10734	Sisma Y SLO	0	51.3	0	0	2.3E2	1.069
21223	10734	Sisma X SLD	42.6	0	0	0	2.3E2	1.069	21224	10734	Sisma Y SLD	0	42.6	0	0	2.3E2	1.069
21225	10735	Sisma X SLV	68.8	0	0	0	1.6E2	1.069	21226	10735	Sisma Y SLV	0	68.8	0	0	1.6E2	1.069
21227	10735	Sisma X SLO	36.7	0	0	0	1.6E2	1.069	21228	10735	Sisma Y SLO	0	36.7	0	0	1.6E2	1.069
21229	10735	Sisma X SLD	30.5	0	0	0	1.6E2	1.069	21230	10735	Sisma Y SLD	0	30.5	0	0	1.6E2	1.069
21231	10736	Sisma X SLV	42.6	0	0	0	1.0E2	1.069	21232	10736	Sisma Y SLV	0	42.6	0	0	1.0E2	1.069
21233	10736	Sisma X SLO	22.7	0	0	0	1.0E2	1.069	21234	10736	Sisma Y SLO	0	22.7	0	0	1.0E2	1.069
21235	10736	Sisma X SLD	18.8	0	0	0	1.0E2	1.069	21236	10736	Sisma Y SLD	0	18.8	0	0	1.0E2	1.069
21237	10737	Sisma X SLV	43.4	0	0	0	1.0E2	1.069	21238	10737	Sisma Y SLV	0	43.4	0	0	1.0E2	1.069
21239	10737	Sisma X SLO	23.1	0	0	0	1.0E2	1.069	21240	10737	Sisma Y SLO	0	23.1	0	0	1.0E2	1.069
21241	10737	Sisma X SLD	19.2	0	0	0	1.0E2	1.069	21242	10737	Sisma Y SLD	0	19.2	0	0	1.0E2	1.069
21243	10738	Sisma X SLV	43.1	0	0	0	1.0E2	1.069	21244	10738	Sisma Y SLV	0	43.1	0	0	1.0E2	1.069
21245	10738	Sisma X SLO	23	0	0	0	1.0E2	1.069	21246	10738	Sisma Y SLO	0	23	0	0	1.0E2	1.069
21247	10738	Sisma X SLD	19.1	0	0	0	1.0E2	1.069	21248	10738	Sisma Y SLD	0	19.1	0	0	1.0E2	1.069
21249	10739	Sisma X SLV	41.8	0	0	0	9.8E1	1.069	21250	10739	Sisma Y SLV	0	41.8	0	0	9.8E1	1.069
21251	10739	Sisma X SLO	22.3	0	0	0	9.8E1	1.069	21252	10739	Sisma Y SLO	0	22.3	0	0	9.8E1	1.069
21253	10739	Sisma X SLD	18.5	0	0	0	9.8E1	1.069	21254	10739	Sisma Y SLD	0	18.5	0	0	9.8E1	1.069
21255	10740	Sisma X SLV	49.7	0	0	0	1.2E2	1.069	21256	10740	Sisma Y SLV	0	49.7	0	0	1.2E2	1.069
21257	10740	Sisma X SLO	26.5	0	0	0	1.2E2	1.069	21258	10740	Sisma Y SLO	0	26.5	0	0	1.2E2	1.069
21259	10740	Sisma X SLD	22	0	0	0	1.2E2	1.069	21260	10740	Sisma Y SLD	0	22	0	0	1.2E2	1.069
21261	10741	Sisma X SLV	95.5	0	0	0	2.2E2	1.07	21262	10741	Sisma Y SLV	0	95.5	0	0	2.2E2	1.07
21263	10741	Sisma X SLO	50.9	0	0	0	2.2E2	1.07	21264	10741	Sisma Y SLO	0	50.9	0	0	2.2E2	1.07
21265	10741	Sisma X SLD	42.3	0	0	0	2.2E2	1.07	21266	10741	Sisma Y SLD	0	42.3	0	0	2.2E2	1.07
21267	10742	Sisma X SLV	47.2	0	0	0	1.1E2	1.07	21268	10742	Sisma Y SLV	0	47.2	0	0	1.1E2	1.07
21269	10742	Sisma X SLO	25.2	0	0	0	1.1E2	1.07	21270	10742	Sisma Y SLO	0	25.2	0	0	1.1E2	1.07
21271	10742	Sisma X SLD	20.9	0	0	0	1.1E2	1.07	21272	10742	Sisma Y SLD	0	20.9	0	0	1.1E2	1.07
21273	10743	Sisma X SLV	65.1	0	0	0	1.5E2	1.07	21274	10743	Sisma Y SLV	0	65.1	0	0	1.5E2	1.07
21275	10743	Sisma X SLO	34.7	0	0	0	1.5E2	1.07	21276	10743	Sisma Y SLO	0	34.7	0	0	1.5E2	1.07
21277	10743	Sisma X SLD	28.8	0	0	0	1.5E2	1.07	21278	10743	Sisma Y SLD	0	28.8	0	0	1.5E2	1.07
21279	10744	Sisma X SLV	41.5	0	0	0	9.7E1	1.07	21280	10744	Sisma Y SLV	0	41.5	0	0	9.7E1	1.07
21281	10744	Sisma X SLO	22.1	0	0	0	9.7E1	1.07	21282	10744	Sisma Y SLO	0	22.1	0	0	9.7E1	1.07
21283	10744	Sisma X SLD	18.4	0	0	0	9.7E1	1.07	21284	10744	Sisma Y SLD	0	18.4	0	0	9.7E1	1.07
21285	10745	Sisma X SLV	94.9	0	0	0	2.2E2	1.07	21286	10745	Sisma Y SLV	0	94.9	0	0	2.2E2	1.07
21287	10745	Sisma X SLO	50.6	0	0	0	2.2E2	1.07	21288	10745	Sisma Y SLO	0	50.6	0	0	2.2E2	1.07
21289	10745	Sisma X SLD	42	0	0	0	2.2E2	1.07	21290	10745	Sisma Y SLD	0	42	0	0	2.2E2	1.07
21291	10746	Sisma X SLV	75	0	0	0	1.8E2	1.07	21292	10746	Sisma Y SLV	0	75	0	0	1.8E2	1.07
21293	10746	Sisma X SLO	40	0	0	0	1.8E2	1.07	21294	10746	Sisma Y SLO	0	40	0	0	1.8E2	1.07
21295	10746	Sisma X SLD	33.2	0	0	0	1.8E2	1.07	21296	10746	Sisma Y SLD	0	33.2	0	0	1.8E2	1.07
21297	10747	Sisma X SLV	41.5	0	0	0	9.7E1	1.07	21298	10747	Sisma Y SLV	0	41.5	0	0	9.7E1	1.07
21299	10747	Sisma X SLO	22.1	0	0	0	9.7E1	1.07	21300	10747	Sisma Y SLO	0	22.1	0	0	9.7E1	1.07
21301	10747	Sisma X SLD	18.4	0	0	0	9.7E1	1.07	21302	10747	Sisma Y SLD	0	18.4	0	0	9.7E1	1.07
21303	10748	Sisma X SLV	36.6	0	0	0	8.6E1	1.07	21304	10748	Sisma Y SLV	0	36.6	0	0	8.6E1	1.07
21305	10748	Sisma X SLO	19.5	0	0	0	8.6E1	1.07	21306	10748	Sisma Y SLO	0	19.5	0	0	8.6E1	1.07
21307	10748	Sisma X SLD	16.2	0	0	0	8.6E1	1.07	21308	10748	Sisma Y SLD	0	16.2	0	0	8.6E1	1.07
21309	10749	Sisma X SLV	64.7	0	0	0	1.5E2	1.07	21310	10749	Sisma Y SLV	0	64.7	0	0	1.5E2	1.07
21311	10749	Sisma X SLO	34.5	0	0	0	1.5E2	1.07	21312	10749	Sisma Y SLO	0	34.5	0	0	1.5E2	1.07

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
21313	10749	Sisma X SLD	28.6	0	0	0	1.5E2	1.07	21314	10749	Sisma Y SLD	0	28.6	0	0	1.5E2	1.07
21315	10750	Sisma X SLV	68.7	0	0	0	1.6E2	1.07	21316	10750	Sisma Y SLV	0	68.7	0	0	1.6E2	1.07
21317	10750	Sisma X SLO	36.6	0	0	0	1.6E2	1.07	21318	10750	Sisma Y SLO	0	36.6	0	0	1.6E2	1.07
21319	10750	Sisma X SLD	30.4	0	0	0	1.6E2	1.07	21320	10750	Sisma Y SLD	0	30.4	0	0	1.6E2	1.07
21321	10751	Sisma X SLV	64.4	0	0	0	1.5E2	1.07	21322	10751	Sisma Y SLV	0	64.4	0	0	1.5E2	1.07
21323	10751	Sisma X SLO	34.3	0	0	0	1.5E2	1.07	21324	10751	Sisma Y SLO	0	34.3	0	0	1.5E2	1.07
21325	10751	Sisma X SLD	28.5	0	0	0	1.5E2	1.07	21326	10751	Sisma Y SLD	0	28.5	0	0	1.5E2	1.07
21327	10752	Sisma X SLV	44.1	0	0	0	1.0E2	1.07	21328	10752	Sisma Y SLV	0	44.1	0	0	1.0E2	1.07
21329	10752	Sisma X SLO	23.5	0	0	0	1.0E2	1.07	21330	10752	Sisma Y SLO	0	23.5	0	0	1.0E2	1.07
21331	10752	Sisma X SLD	19.5	0	0	0	1.0E2	1.07	21332	10752	Sisma Y SLD	0	19.5	0	0	1.0E2	1.07
21333	10753	Sisma X SLV	79.4	0	0	0	1.9E2	1.07	21334	10753	Sisma Y SLV	0	79.4	0	0	1.9E2	1.07
21335	10753	Sisma X SLO	42.3	0	0	0	1.9E2	1.07	21336	10753	Sisma Y SLO	0	42.3	0	0	1.9E2	1.07
21337	10753	Sisma X SLD	35.1	0	0	0	1.9E2	1.07	21338	10753	Sisma Y SLD	0	35.1	0	0	1.9E2	1.07
21339	10754	Sisma X SLV	51.2	0	0	0	1.2E2	1.07	21340	10754	Sisma Y SLV	0	51.2	0	0	1.2E2	1.07
21341	10754	Sisma X SLO	27.3	0	0	0	1.2E2	1.07	21342	10754	Sisma Y SLO	0	27.3	0	0	1.2E2	1.07
21343	10754	Sisma X SLD	22.7	0	0	0	1.2E2	1.07	21344	10754	Sisma Y SLD	0	22.7	0	0	1.2E2	1.07
21345	10755	Sisma X SLV	56.7	0	0	0	1.3E2	1.07	21346	10755	Sisma Y SLV	0	56.7	0	0	1.3E2	1.07
21347	10755	Sisma X SLO	30.2	0	0	0	1.3E2	1.07	21348	10755	Sisma Y SLO	0	30.2	0	0	1.3E2	1.07
21349	10755	Sisma X SLD	25.1	0	0	0	1.3E2	1.07	21350	10755	Sisma Y SLD	0	25.1	0	0	1.3E2	1.07
21351	10756	Sisma X SLV	36.7	0	0	0	8.6E1	1.07	21352	10756	Sisma Y SLV	0	36.7	0	0	8.6E1	1.07
21353	10756	Sisma X SLO	19.6	0	0	0	8.6E1	1.07	21354	10756	Sisma Y SLO	0	19.6	0	0	8.6E1	1.07
21355	10756	Sisma X SLD	16.3	0	0	0	8.6E1	1.07	21356	10756	Sisma Y SLD	0	16.3	0	0	8.6E1	1.07
21357	10757	Sisma X SLV	45.3	0	0	0	1.1E2	1.07	21358	10757	Sisma Y SLV	0	45.3	0	0	1.1E2	1.07
21359	10757	Sisma X SLO	24.2	0	0	0	1.1E2	1.07	21360	10757	Sisma Y SLO	0	24.2	0	0	1.1E2	1.07
21361	10757	Sisma X SLD	20.1	0	0	0	1.1E2	1.07	21362	10757	Sisma Y SLD	0	20.1	0	0	1.1E2	1.07
21363	10758	Sisma X SLV	62.4	0	0	0	1.5E2	1.07	21364	10758	Sisma Y SLV	0	62.4	0	0	1.5E2	1.07
21365	10758	Sisma X SLO	33.3	0	0	0	1.5E2	1.07	21366	10758	Sisma Y SLO	0	33.3	0	0	1.5E2	1.07
21367	10758	Sisma X SLD	27.6	0	0	0	1.5E2	1.07	21368	10758	Sisma Y SLD	0	27.6	0	0	1.5E2	1.07
21369	10759	Sisma X SLV	38.8	0	0	0	9.1E1	1.07	21370	10759	Sisma Y SLV	0	38.8	0	0	9.1E1	1.07
21371	10759	Sisma X SLO	20.7	0	0	0	9.1E1	1.07	21372	10759	Sisma Y SLO	0	20.7	0	0	9.1E1	1.07
21373	10759	Sisma X SLD	17.2	0	0	0	9.1E1	1.07	21374	10759	Sisma Y SLD	0	17.2	0	0	9.1E1	1.07
21375	10760	Sisma X SLV	44.6	0	0	0	1.0E2	1.07	21376	10760	Sisma Y SLV	0	44.6	0	0	1.0E2	1.07
21377	10760	Sisma X SLO	23.8	0	0	0	1.0E2	1.07	21378	10760	Sisma Y SLO	0	23.8	0	0	1.0E2	1.07
21379	10760	Sisma X SLD	19.7	0	0	0	1.0E2	1.07	21380	10760	Sisma Y SLD	0	19.7	0	0	1.0E2	1.07
21381	10761	Sisma X SLV	41.8	0	0	0	9.8E1	1.07	21382	10761	Sisma Y SLV	0	41.8	0	0	9.8E1	1.07
21383	10761	Sisma X SLO	22.3	0	0	0	9.8E1	1.07	21384	10761	Sisma Y SLO	0	22.3	0	0	9.8E1	1.07
21385	10761	Sisma X SLD	18.5	0	0	0	9.8E1	1.07	21386	10761	Sisma Y SLD	0	18.5	0	0	9.8E1	1.07
21387	10762	Sisma X SLV	61.2	0	0	0	1.4E2	1.07	21388	10762	Sisma Y SLV	0	61.2	0	0	1.4E2	1.07
21389	10762	Sisma X SLO	32.7	0	0	0	1.4E2	1.07	21390	10762	Sisma Y SLO	0	32.7	0	0	1.4E2	1.07
21391	10762	Sisma X SLD	27.1	0	0	0	1.4E2	1.07	21392	10762	Sisma Y SLD	0	27.1	0	0	1.4E2	1.07
21393	10763	Sisma X SLV	43	0	0	0	1.0E2	1.07	21394	10763	Sisma Y SLV	0	43	0	0	1.0E2	1.07
21395	10763	Sisma X SLO	22.9	0	0	0	1.0E2	1.07	21396	10763	Sisma Y SLO	0	22.9	0	0	1.0E2	1.07
21397	10763	Sisma X SLD	19	0	0	0	1.0E2	1.07	21398	10763	Sisma Y SLD	0	19	0	0	1.0E2	1.07
21399	10764	Sisma X SLV	42.5	0	0	0	9.9E1	1.07	21400	10764	Sisma Y SLV	0	42.5	0	0	9.9E1	1.07
21401	10764	Sisma X SLO	22.7	0	0	0	9.9E1	1.07	21402	10764	Sisma Y SLO	0	22.7	0	0	9.9E1	1.07
21403	10764	Sisma X SLD	18.8	0	0	0	9.9E1	1.07	21404	10764	Sisma Y SLD	0	18.8	0	0	9.9E1	1.07
21405	10765	Sisma X SLV	73.8	0	0	0	1.7E2	1.07	21406	10765	Sisma Y SLV	0	73.8	0	0	1.7E2	1.07
21407	10765	Sisma X SLO	39.4	0	0	0	1.7E2	1.07	21408	10765	Sisma Y SLO	0	39.4	0	0	1.7E2	1.07
21409	10765	Sisma X SLD	32.7	0	0	0	1.7E2	1.07	21410	10765	Sisma Y SLD	0	32.7	0	0	1.7E2	1.07
21411	10766	Sisma X SLV	63.4	0	0	0	1.5E2	1.07	21412	10766	Sisma Y SLV	0	63.4	0	0	1.5E2	1.07
21413	10766	Sisma X SLO	33.8	0	0	0	1.5E2	1.07	21414	10766	Sisma Y SLO	0	33.8	0	0	1.5E2	1.07
21415	10766	Sisma X SLD	28.1	0	0	0	1.5E2	1.07	21416	10766	Sisma Y SLD	0	28.1	0	0	1.5E2	1.07
21417	10767	Sisma X SLV	67.5	0	0	0	1.6E2	1.07	21418	10767	Sisma Y SLV	0	67.5	0	0	1.6E2	1.07
21419	10767	Sisma X SLO	36	0	0	0	1.6E2	1.07	21420	10767	Sisma Y SLO	0	36	0	0	1.6E2	1.07
21421	10767	Sisma X SLD	29.9	0	0	0	1.6E2	1.07	21422	10767	Sisma Y SLD	0	29.9	0	0	1.6E2	1.07
21423	10768	Sisma X SLV	69.2	0	0	0	1.6E2	1.07	21424	10768	Sisma Y SLV	0	69.2	0	0	1.6E2	1.07
21425	10768	Sisma X SLO	36.9	0	0	0	1.6E2	1.07	21426	10768	Sisma Y SLO	0	36.9	0	0	1.6E2	1.07
21427	10768	Sisma X SLD	30.6	0	0	0	1.6E2	1.07	21428	10768	Sisma Y SLD	0	30.6	0	0	1.6E2	1.07
21429	10769	Sisma X SLV	43.2	0	0	0	1.0E2	1.07	21430	10769	Sisma Y SLV	0	43.2	0	0	1.0E2	1.07
21431	10769	Sisma X SLO	23	0	0	0	1.0E2	1.07	21432	10769	Sisma Y SLO	0	23	0	0	1.0E2	1.07
21433	10769	Sisma X SLD	19.1	0	0	0	1.0E2	1.07	21434	10769	Sisma Y SLD	0	19.1	0	0	1.0E2	1.07
21435	10770	Sisma X SLV	72.7	0	0	0	1.7E2	1.071	21436	10770	Sisma Y SLV	0	72.7	0	0	1.7E2	1.071
21437	10770	Sisma X SLO	38.8	0	0	0	1.7E2	1.071	21438	10770	Sisma Y SLO	0	38.8	0	0	1.7E2	1.071
21439	10770	Sisma X SLD	32.2	0	0	0	1.7E2	1.071	21440	10770	Sisma Y SLD	0	32.2	0	0	1.7E2	1.071
21441	10771	Sisma X SLV	41.3	0	0	0	9.6E1	1.071	21442	10771	Sisma Y SLV	0	41.3	0	0	9.6E1	1.071
21443	10771	Sisma X SLO	22	0	0	0	9.6E1	1.071	21444	10771	Sisma Y SLO	0	22	0	0	9.6E1	1.071
21445	10771	Sisma X SLD	18.3	0	0	0	9.6E1	1.071	21446	10771	Sisma Y SLD	0	18.3	0	0	9.6E1	1.071
21447	10772	Sisma X SLV	43.2	0	0	0	1.0E2	1.071	21448	10772	Sisma Y SLV	0	43.2	0	0	1.0E2	1.071
21449	10772	Sisma X SLO	23	0	0	0	1.0E2	1.071	21450	10772	Sisma Y SLO	0	23	0	0	1.0E2	1.071
21451	10772	Sisma X SLD	19.1	0	0	0	1.0E2	1.071	21452	10772	Sisma Y SLD	0	19.1	0	0	1.0E2	1.071
21453	10773	Sisma X SLV	59	0	0	0	1.4E2	1.071	21454	10773	Sisma Y SLV	0	59	0	0	1.4E2	1.071
21455	10773	Sisma X SLO	31.5	0	0	0	1.4E2	1.071	21456	10773	Sisma Y SLO	0	31.5	0	0	1.4E2	1.071
21457	10773	Sisma X SLD	26.1	0	0	0	1.4E2	1.071	21458	10773	Sisma Y SLD	0	26.1	0	0	1.4E2	1.071
21459	10774	Sisma X SLV	69.9	0	0	0	1.6E2	1.071	21460	10774	Sisma Y SLV	0	69.9	0	0	1.6E2	1.071
21461	10774	Sisma X SLO	37.3	0	0	0	1.6E2	1.071	21462	10774	Sisma Y SLO	0	37.3	0	0	1.6E2	1.071
21463	10774	Sisma X SLD	30.9	0	0	0	1.6E2	1.071	21464	10774	Sisma Y SLD	0	30.9	0	0	1.6E2	1.071
21465	10775	Sisma X SLV	67.6	0	0	0	1.6E2	1.071	21466	10775	Sisma Y SLV	0	67.6	0	0	1.6E2	1.071
21467	10775	Sisma X SLO	36.1	0	0	0	1.6E2	1.071	21468	10775	Sisma Y SLO	0	36.1	0	0	1.6E2	1.071
21469	10775	Sisma X SLD	29.9	0	0	0	1.6E2	1.071	21470	10775	Sisma Y SLD	0	29.9	0	0	1.6E2	1.071
21471	10776	Sisma X SLV	71.7	0	0	0	1.7E2	1.071	21472	10776	Sisma Y SLV	0	71.7	0	0	1.7E2	1.071
21473	10776	Sisma X SLO	38.3	0	0	0	1.7E2	1.071	21474	10776	Sisma Y SLO	0	38.3	0	0	1.7E2	1.071
21475	10776	Sisma X SLD	31.8	0	0	0	1.7E2	1.071	21476	10776	Sisma Y SLD	0	31.8	0	0	1.7E2	1.071
21477	10777	Sisma X SLV	43.2	0	0	0	1.0E2	1.071	21478	10777	Sisma Y SLV	0	43.2	0	0	1.0E2	1.071
21479	10777	Sisma X SLO	23	0	0	0	1.0E2	1.071	21480	10777	Sisma Y SLO	0	23	0	0	1.0E2	1.071
21481	10777	Sisma X SLD	19.1	0	0	0	1.0E2	1.071	21482	10777	Sisma Y SLD	0	19.1	0	0	1.0E2	1.071
21483	10778	Sisma X SLV	70.8	0	0	0	1.7E2	1.071	21484	10778	Sisma Y SLV	0	70.8	0	0	1.7E2	1.071
21485	10778	Sisma X SLO	37.8	0	0	0	1.7E2	1.071	21486	10778	Sisma Y SLO	0	37.8	0	0	1.7E2	1.071
21487	10778	Sisma X SLD	31.3	0	0	0	1.7E2	1.071	21488	10778	Sisma Y SLD	0	31.3	0	0	1.7E2	1.071
21489	10779	Sisma X SLV	54.6	0	0	0	1.3E2	1.071	21490	10779	Sisma Y SLV	0	54.6	0	0	1.3E2	1.071
21491	10779	Sisma X SLO	29.1	0	0	0	1.3E2	1.071	21492	10779	Sisma Y SLO	0	29.1	0	0	1.3E2	1.071
21493	10779	Sisma X SLD	24.2	0	0	0	1.3E2	1.071	21494	10779	Sisma Y SLD	0	24.2	0	0	1.3E2	1.071
21495	10780	Sisma X SLV	67.7	0	0	0	1.6E2	1.071	21496	10780	Sisma Y SLV	0	67.7	0	0	1.6E2	1.071
21497	10780	Sisma X SLO	36.1	0	0	0	1.6E2	1.071	21498	10780	Sisma Y SLO	0	36.1	0	0	1.6E2	1.071
21499	10780	Sisma X SLD	30	0	0	0	1.6E2	1.071	21500	10780	Sisma Y SLD	0	30	0	0	1.6E2	1.071
21501	10781	Sisma X SLV	41.8	0	0	0	9.8E1	1.071	21502	10781	Sisma Y SLV	0	41.8	0	0	9.8E1	1.071
21503	10781	Sisma X SLO	22.3	0	0	0	9.8E1	1.071	21504	10781	Sisma Y SLO	0	22.3	0	0	9.8E1	1.071
21505	10781	Sisma X SLD	18.5	0	0	0	9.8E1	1.071	21506	10781	Sisma Y SLD	0	18.5	0	0	9.8E1	1.071
21507	10782	Sisma X SLV	41.8	0	0	0	9.8E1	1.071	21508	10782	Sisma Y SLV	0	41.8	0	0	9.8E1	1.071
21509	10782	Sisma X SLO	22.3	0	0	0	9.8E1	1.071	21510	10782	Sisma Y SLO	0	22.3	0	0	9.8E1	1.071
21511	10782	Sisma X SLD	18.5	0	0	0	9.8E1	1.071	21512	10782	Sisma Y SLD	0	18.5	0	0	9.8E1	1.071

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
21513	10783	Sisma X SLV	67.8	0	0	0	1.6E2	1.071	21514	10783	Sisma Y SLV	0	67.8	0	0	1.6E2	1.071
21515	10783	Sisma X SLO	36.1	0	0	0	1.6E2	1.071	21516	10783	Sisma Y SLO	0	36.1	0	0	1.6E2	1.071
21517	10783	Sisma X SLD	30	0	0	0	1.6E2	1.071	21518	10783	Sisma Y SLD	0	30	0	0	1.6E2	1.071
21519	10784	Sisma X SLV	49	0	0	0	1.1E2	1.071	21520	10784	Sisma Y SLV	0	49	0	0	1.1E2	1.071
21521	10784	Sisma X SLO	26.1	0	0	0	1.1E2	1.071	21522	10784	Sisma Y SLO	0	26.1	0	0	1.1E2	1.071
21523	10784	Sisma X SLD	21.7	0	0	0	1.1E2	1.071	21524	10784	Sisma Y SLD	0	21.7	0	0	1.1E2	1.071
21525	10785	Sisma X SLV	46	0	0	0	1.1E2	1.071	21526	10785	Sisma Y SLV	0	46	0	0	1.1E2	1.071
21527	10785	Sisma X SLO	24.5	0	0	0	1.1E2	1.071	21528	10785	Sisma Y SLO	0	24.5	0	0	1.1E2	1.071
21529	10785	Sisma X SLD	20.3	0	0	0	1.1E2	1.071	21530	10785	Sisma Y SLD	0	20.3	0	0	1.1E2	1.071
21531	10786	Sisma X SLV	59.1	0	0	0	1.4E2	1.071	21532	10786	Sisma Y SLV	0	59.1	0	0	1.4E2	1.071
21533	10786	Sisma X SLO	31.5	0	0	0	1.4E2	1.071	21534	10786	Sisma Y SLO	0	31.5	0	0	1.4E2	1.071
21535	10786	Sisma X SLD	26.2	0	0	0	1.4E2	1.071	21536	10786	Sisma Y SLD	0	26.2	0	0	1.4E2	1.071
21537	10787	Sisma X SLV	46.8	0	0	0	1.1E2	1.071	21538	10787	Sisma Y SLV	0	46.8	0	0	1.1E2	1.071
21539	10787	Sisma X SLO	25	0	0	0	1.1E2	1.071	21540	10787	Sisma Y SLO	0	25	0	0	1.1E2	1.071
21541	10787	Sisma X SLD	20.7	0	0	0	1.1E2	1.071	21542	10787	Sisma Y SLD	0	20.7	0	0	1.1E2	1.071
21543	10788	Sisma X SLV	67.9	0	0	0	1.6E2	1.071	21544	10788	Sisma Y SLV	0	67.9	0	0	1.6E2	1.071
21545	10788	Sisma X SLO	36.2	0	0	0	1.6E2	1.071	21546	10788	Sisma Y SLO	0	36.2	0	0	1.6E2	1.071
21547	10788	Sisma X SLD	30	0	0	0	1.6E2	1.071	21548	10788	Sisma Y SLD	0	30	0	0	1.6E2	1.071
21549	10789	Sisma X SLV	64.2	0	0	0	1.5E2	1.071	21550	10789	Sisma Y SLV	0	64.2	0	0	1.5E2	1.071
21551	10789	Sisma X SLO	34.2	0	0	0	1.5E2	1.071	21552	10789	Sisma Y SLO	0	34.2	0	0	1.5E2	1.071
21553	10789	Sisma X SLD	28.4	0	0	0	1.5E2	1.071	21554	10789	Sisma Y SLD	0	28.4	0	0	1.5E2	1.071
21555	10790	Sisma X SLV	41.3	0	0	0	9.7E1	1.072	21556	10790	Sisma Y SLV	0	41.3	0	0	9.7E1	1.072
21557	10790	Sisma X SLO	22	0	0	0	9.7E1	1.072	21558	10790	Sisma Y SLO	0	22	0	0	9.7E1	1.072
21559	10790	Sisma X SLD	18.3	0	0	0	9.7E1	1.072	21560	10790	Sisma Y SLD	0	18.3	0	0	9.7E1	1.072
21561	10791	Sisma X SLV	36.9	0	0	0	86.21	1.072	21562	10791	Sisma Y SLV	0	36.9	0	0	86.21	1.072
21563	10791	Sisma X SLO	19.7	0	0	0	86.21	1.072	21564	10791	Sisma Y SLO	0	19.7	0	0	86.21	1.072
21565	10791	Sisma X SLD	16.3	0	0	0	86.21	1.072	21566	10791	Sisma Y SLD	0	16.3	0	0	86.21	1.072
21567	10792	Sisma X SLV	53.7	0	0	0	1.3E2	1.072	21568	10792	Sisma Y SLV	0	53.7	0	0	1.3E2	1.072
21569	10792	Sisma X SLO	28.6	0	0	0	1.3E2	1.072	21570	10792	Sisma Y SLO	0	28.6	0	0	1.3E2	1.072
21571	10792	Sisma X SLD	23.8	0	0	0	1.3E2	1.072	21572	10792	Sisma Y SLD	0	23.8	0	0	1.3E2	1.072
21573	10793	Sisma X SLV	35.7	0	0	0	8.3E1	1.072	21574	10793	Sisma Y SLV	0	35.7	0	0	8.3E1	1.072
21575	10793	Sisma X SLO	19.1	0	0	0	8.3E1	1.072	21576	10793	Sisma Y SLO	0	19.1	0	0	8.3E1	1.072
21577	10793	Sisma X SLD	15.8	0	0	0	8.3E1	1.072	21578	10793	Sisma Y SLD	0	15.8	0	0	8.3E1	1.072
21579	10794	Sisma X SLV	67.9	0	0	0	1.6E2	1.072	21580	10794	Sisma Y SLV	0	67.9	0	0	1.6E2	1.072
21581	10794	Sisma X SLO	36.2	0	0	0	1.6E2	1.072	21582	10794	Sisma Y SLO	0	36.2	0	0	1.6E2	1.072
21583	10794	Sisma X SLD	30.1	0	0	0	1.6E2	1.072	21584	10794	Sisma Y SLD	0	30.1	0	0	1.6E2	1.072
21585	10795	Sisma X SLV	38.3	0	0	0	8.9E1	1.072	21586	10795	Sisma Y SLV	0	38.3	0	0	8.9E1	1.072
21587	10795	Sisma X SLO	20.4	0	0	0	8.9E1	1.072	21588	10795	Sisma Y SLO	0	20.4	0	0	8.9E1	1.072
21589	10795	Sisma X SLD	16.9	0	0	0	8.9E1	1.072	21590	10795	Sisma Y SLD	0	16.9	0	0	8.9E1	1.072
21591	10796	Sisma X SLV	68.9	0	0	0	1.6E2	1.072	21592	10796	Sisma Y SLV	0	68.9	0	0	1.6E2	1.072
21593	10796	Sisma X SLO	36.7	0	0	0	1.6E2	1.072	21594	10796	Sisma Y SLO	0	36.7	0	0	1.6E2	1.072
21595	10796	Sisma X SLD	30.5	0	0	0	1.6E2	1.072	21596	10796	Sisma Y SLD	0	30.5	0	0	1.6E2	1.072
21597	10797	Sisma X SLV	36.9	0	0	0	8.6E1	1.072	21598	10797	Sisma Y SLV	0	36.9	0	0	8.6E1	1.072
21599	10797	Sisma X SLO	19.7	0	0	0	8.6E1	1.072	21600	10797	Sisma Y SLO	0	19.7	0	0	8.6E1	1.072
21601	10797	Sisma X SLD	16.3	0	0	0	8.6E1	1.072	21602	10797	Sisma Y SLD	0	16.3	0	0	8.6E1	1.072
21603	10798	Sisma X SLV	65.6	0	0	0	1.5E2	1.072	21604	10798	Sisma Y SLV	0	65.6	0	0	1.5E2	1.072
21605	10798	Sisma X SLO	35	0	0	0	1.5E2	1.072	21606	10798	Sisma Y SLO	0	35	0	0	1.5E2	1.072
21607	10798	Sisma X SLD	29	0	0	0	1.5E2	1.072	21608	10798	Sisma Y SLD	0	29	0	0	1.5E2	1.072
21609	10799	Sisma X SLV	67.9	0	0	0	1.6E2	1.072	21610	10799	Sisma Y SLV	0	67.9	0	0	1.6E2	1.072
21611	10799	Sisma X SLO	36.2	0	0	0	1.6E2	1.072	21612	10799	Sisma Y SLO	0	36.2	0	0	1.6E2	1.072
21613	10799	Sisma X SLD	30.1	0	0	0	1.6E2	1.072	21614	10799	Sisma Y SLD	0	30.1	0	0	1.6E2	1.072
21615	10800	Sisma X SLV	68	0	0	0	1.6E2	1.072	21616	10800	Sisma Y SLV	0	68	0	0	1.6E2	1.072
21617	10800	Sisma X SLO	36.2	0	0	0	1.6E2	1.072	21618	10800	Sisma Y SLO	0	36.2	0	0	1.6E2	1.072
21619	10800	Sisma X SLD	30.1	0	0	0	1.6E2	1.072	21620	10800	Sisma Y SLD	0	30.1	0	0	1.6E2	1.072
21621	10801	Sisma X SLV	65.1	0	0	0	1.5E2	1.072	21622	10801	Sisma Y SLV	0	65.1	0	0	1.5E2	1.072
21623	10801	Sisma X SLO	34.7	0	0	0	1.5E2	1.072	21624	10801	Sisma Y SLO	0	34.7	0	0	1.5E2	1.072
21625	10801	Sisma X SLD	28.8	0	0	0	1.5E2	1.072	21626	10801	Sisma Y SLD	0	28.8	0	0	1.5E2	1.072
21627	10802	Sisma X SLV	41.9	0	0	0	9.8E1	1.072	21628	10802	Sisma Y SLV	0	41.9	0	0	9.8E1	1.072
21629	10802	Sisma X SLO	22.3	0	0	0	9.8E1	1.072	21630	10802	Sisma Y SLO	0	22.3	0	0	9.8E1	1.072
21631	10802	Sisma X SLD	18.5	0	0	0	9.8E1	1.072	21632	10802	Sisma Y SLD	0	18.5	0	0	9.8E1	1.072
21633	10803	Sisma X SLV	44.4	0	0	0	1.0E2	1.072	21634	10803	Sisma Y SLV	0	44.4	0	0	1.0E2	1.072
21635	10803	Sisma X SLO	23.7	0	0	0	1.0E2	1.072	21636	10803	Sisma Y SLO	0	23.7	0	0	1.0E2	1.072
21637	10803	Sisma X SLD	19.6	0	0	0	1.0E2	1.072	21638	10803	Sisma Y SLD	0	19.6	0	0	1.0E2	1.072
21639	10804	Sisma X SLV	68	0	0	0	1.6E2	1.073	21640	10804	Sisma Y SLV	0	68	0	0	1.6E2	1.073
21641	10804	Sisma X SLO	36.3	0	0	0	1.6E2	1.073	21642	10804	Sisma Y SLO	0	36.3	0	0	1.6E2	1.073
21643	10804	Sisma X SLD	30.1	0	0	0	1.6E2	1.073	21644	10804	Sisma Y SLD	0	30.1	0	0	1.6E2	1.073
21645	10805	Sisma X SLV	40.8	0	0	0	9.5E1	1.073	21646	10805	Sisma Y SLV	0	40.8	0	0	9.5E1	1.073
21647	10805	Sisma X SLO	21.8	0	0	0	9.5E1	1.073	21648	10805	Sisma Y SLO	0	21.8	0	0	9.5E1	1.073
21649	10805	Sisma X SLD	18.1	0	0	0	9.5E1	1.073	21650	10805	Sisma Y SLD	0	18.1	0	0	9.5E1	1.073
21651	10806	Sisma X SLV	68.2	0	0	0	1.6E2	1.073	21652	10806	Sisma Y SLV	0	68.2	0	0	1.6E2	1.073
21653	10806	Sisma X SLO	36.4	0	0	0	1.6E2	1.073	21654	10806	Sisma Y SLO	0	36.4	0	0	1.6E2	1.073
21655	10806	Sisma X SLD	30.2	0	0	0	1.6E2	1.073	21656	10806	Sisma Y SLD	0	30.2	0	0	1.6E2	1.073
21657	10807	Sisma X SLV	74.7	0	0	0	1.7E2	1.073	21658	10807	Sisma Y SLV	0	74.7	0	0	1.7E2	1.073
21659	10807	Sisma X SLO	39.8	0	0	0	1.7E2	1.073	21660	10807	Sisma Y SLO	0	39.8	0	0	1.7E2	1.073
21661	10807	Sisma X SLD	33	0	0	0	1.7E2	1.073	21662	10807	Sisma Y SLD	0	33	0	0	1.7E2	1.073
21663	10808	Sisma X SLV	71.4	0	0	0	1.7E2	1.073	21664	10808	Sisma Y SLV	0	71.4	0	0	1.7E2	1.073
21665	10808	Sisma X SLO	38.1	0	0	0	1.7E2	1.073	21666	10808	Sisma Y SLO	0	38.1	0	0	1.7E2	1.073
21667	10808	Sisma X SLD	31.6	0	0	0	1.7E2	1.073	21668	10808	Sisma Y SLD	0	31.6	0	0	1.7E2	1.073
21669	10809	Sisma X SLV	68.5	0	0	0	1.6E2	1.073	21670	10809	Sisma Y SLV	0	68.5	0	0	1.6E2	1.073
21671	10809	Sisma X SLO	36.5	0	0	0	1.6E2	1.073	21672	10809	Sisma Y SLO	0	36.5	0	0	1.6E2	1.073
21673	10809	Sisma X SLD	30.3	0	0	0	1.6E2	1.073	21674	10809	Sisma Y SLD	0	30.3	0	0	1.6E2	1.073
21675	10810	Sisma X SLV	69.1	0	0	0	1.6E2	1.074	21676	10810	Sisma Y SLV	0	69.1	0	0	1.6E2	1.074
21677	10810	Sisma X SLO	36.8	0	0	0	1.6E2	1.074	21678	10810	Sisma Y SLO	0	36.8	0	0	1.6E2	1.074
21679	10810	Sisma X SLD	30.6	0	0	0	1.6E2	1.074	21680	10810	Sisma Y SLD	0	30.6	0	0	1.6E2	1.074
21681	10811	Sisma X SLV	69.5	0	0	0	1.6E2	1.074	21682	10811	Sisma Y SLV	0	69.5	0	0	1.6E2	1.074
21683	10811	Sisma X SLO	37.1	0	0	0	1.6E2	1.074	21684	10811	Sisma Y SLO	0	37.1	0	0	1.6E2	1.074
21685	10811	Sisma X SLD	30.8	0	0	0	1.6E2	1.074	21686	10811	Sisma Y SLD	0	30.8	0	0	1.6E2	1.074
21687	10812	Sisma X SLV	69.7	0	0	0	1.6E2	1.074	21688	10812	Sisma Y SLV	0	69.7	0	0	1.6E2	1.074
21689	10812	Sisma X SLO	37.2	0	0	0	1.6E2	1.074	21690	10812	Sisma Y SLO	0	37.2	0	0	1.6E2	1.074
21691	10812	Sisma X SLD	30.8	0	0	0	1.6E2	1.074	21692	10812	Sisma Y SLD	0	30.8	0	0	1.6E2	1.074
21693	10813	Sisma X SLV	75.2	0	0	0	1.8E2	1.074	21694	10813	Sisma Y SLV	0	75.2	0	0	1.8E2	1.074
21695	10813	Sisma X SLO	40.1	0	0	0	1.8E2	1.074	21696	10813	Sisma Y SLO	0	40.1	0	0	1.8E2	1.074
21697	10813	Sisma X SLD	33.3	0	0	0	1.8E2	1.074	21698	10813	Sisma Y SLD	0	33.3	0	0	1.8E2	1.074
21699	10814	Sisma X SLV	52.8	0	0	0	1.2E2	1.074	21700	10814	Sisma Y SLV	0	52.8	0	0	1.2E2	1.074
21701	10814	Sisma X SLO	28.2	0	0	0	1.2E2	1.074	21702	10814	Sisma Y SLO	0	28.2	0	0	1.2E2	1.074
21703	10814	Sisma X SLD	23.4	0	0	0	1.2E2	1.074	21704	10814	Sisma Y SLD	0	23.4	0	0	1.2E2	1.074
21705	10815	Sisma X SLV	69.4	0	0	0	1.6E2	1.075	21706	10815	Sisma Y SLV	0	69.4	0	0	1.6E2	1.075
21707	10815	Sisma X SLO	37	0	0	0	1.6E2	1.075	21708	10815	Sisma Y SLO	0	37	0	0	1.6E2	1.075
21709	10815	Sisma X SLD	30.7	0	0	0	1.6E2	1.075	21710	10815	Sisma Y SLD	0	30.7	0	0	1.6E2	1.075
21711	10816	Sisma X SLV	68.8	0	0	0	1.6E2	1.075	21712	10816	Sisma Y SLV	0	68.8	0	0	1.6E2	1.075

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
21713	10816	Sisma X SLO	36.7	0	0	0	1.6E2	1.075	21714	10816	Sisma Y SLO	0	36.7	0	0	1.6E2	1.075
21715	10816	Sisma X SLD	30.4	0	0	0	1.6E2	1.075	21716	10816	Sisma Y SLD	0	30.4	0	0	1.6E2	1.075
21717	10817	Sisma X SLV	39.7	0	0	0	9.2E1	1.075	21718	10817	Sisma Y SLV	0	39.7	0	0	9.2E1	1.075
21719	10817	Sisma X SLO	21.2	0	0	0	9.2E1	1.075	21720	10817	Sisma Y SLO	0	21.2	0	0	9.2E1	1.075
21721	10817	Sisma X SLD	17.6	0	0	0	9.2E1	1.075	21722	10817	Sisma Y SLD	0	17.6	0	0	9.2E1	1.075
21723	10818	Sisma X SLV	55	0	0	0	1.3E2	1.075	21724	10818	Sisma Y SLV	0	55	0	0	1.3E2	1.075
21725	10818	Sisma X SLO	29.3	0	0	0	1.3E2	1.075	21726	10818	Sisma Y SLO	0	29.3	0	0	1.3E2	1.075
21727	10818	Sisma X SLD	24.3	0	0	0	1.3E2	1.075	21728	10818	Sisma Y SLD	0	24.3	0	0	1.3E2	1.075
21729	10819	Sisma X SLV	67.8	0	0	0	1.6E2	1.076	21730	10819	Sisma Y SLV	0	67.8	0	0	1.6E2	1.076
21731	10819	Sisma X SLO	36.1	0	0	0	1.6E2	1.076	21732	10819	Sisma Y SLO	0	36.1	0	0	1.6E2	1.076
21733	10819	Sisma X SLD	30	0	0	0	1.6E2	1.076	21734	10819	Sisma Y SLD	0	30	0	0	1.6E2	1.076
21735	10820	Sisma X SLV	69.6	0	0	0	1.6E2	1.076	21736	10820	Sisma Y SLV	0	69.6	0	0	1.6E2	1.076
21737	10820	Sisma X SLO	37.1	0	0	0	1.6E2	1.076	21738	10820	Sisma Y SLO	0	37.1	0	0	1.6E2	1.076
21739	10820	Sisma X SLD	30.8	0	0	0	1.6E2	1.076	21740	10820	Sisma Y SLD	0	30.8	0	0	1.6E2	1.076
21741	10821	Sisma X SLV	71.7	0	0	0	1.7E2	1.076	21742	10821	Sisma Y SLV	0	71.7	0	0	1.7E2	1.076
21743	10821	Sisma X SLO	38.2	0	0	0	1.7E2	1.076	21744	10821	Sisma Y SLO	0	38.2	0	0	1.7E2	1.076
21745	10821	Sisma X SLD	31.7	0	0	0	1.7E2	1.076	21746	10821	Sisma Y SLD	0	31.7	0	0	1.7E2	1.076
21747	10822	Sisma X SLV	66.6	0	0	0	1.5E2	1.076	21748	10822	Sisma Y SLV	0	66.6	0	0	1.5E2	1.076
21749	10822	Sisma X SLO	35.5	0	0	0	1.5E2	1.076	21750	10822	Sisma Y SLO	0	35.5	0	0	1.5E2	1.076
21751	10822	Sisma X SLD	29.5	0	0	0	1.5E2	1.076	21752	10822	Sisma Y SLD	0	29.5	0	0	1.5E2	1.076
21753	10823	Sisma X SLV	65.8	0	0	0	1.5E2	1.077	21754	10823	Sisma Y SLV	0	65.8	0	0	1.5E2	1.077
21755	10823	Sisma X SLO	35.1	0	0	0	1.5E2	1.077	21756	10823	Sisma Y SLO	0	35.1	0	0	1.5E2	1.077
21757	10823	Sisma X SLD	29.1	0	0	0	1.5E2	1.077	21758	10823	Sisma Y SLD	0	29.1	0	0	1.5E2	1.077
21759	10824	Sisma X SLV	39.4	0	0	0	9.2E1	1.077	21760	10824	Sisma Y SLV	0	39.4	0	0	9.2E1	1.077
21761	10824	Sisma X SLO	21	0	0	0	9.2E1	1.077	21762	10824	Sisma Y SLO	0	21	0	0	9.2E1	1.077
21763	10824	Sisma X SLD	17.4	0	0	0	9.2E1	1.077	21764	10824	Sisma Y SLD	0	17.4	0	0	9.2E1	1.077
21765	10825	Sisma X SLV	65.8	0	0	0	1.5E2	1.078	21766	10825	Sisma Y SLV	0	65.8	0	0	1.5E2	1.078
21767	10825	Sisma X SLO	35.1	0	0	0	1.5E2	1.078	21768	10825	Sisma Y SLO	0	35.1	0	0	1.5E2	1.078
21769	10825	Sisma X SLD	29.1	0	0	0	1.5E2	1.078	21770	10825	Sisma Y SLD	0	29.1	0	0	1.5E2	1.078
21771	10826	Sisma X SLV	75.2	0	0	0	1.7E2	1.078	21772	10826	Sisma Y SLV	0	75.2	0	0	1.7E2	1.078
21773	10826	Sisma X SLO	40.1	0	0	0	1.7E2	1.078	21774	10826	Sisma Y SLO	0	40.1	0	0	1.7E2	1.078
21775	10826	Sisma X SLD	33.3	0	0	0	1.7E2	1.078	21776	10826	Sisma Y SLD	0	33.3	0	0	1.7E2	1.078
21777	10827	Sisma X SLV	74.8	0	0	0	1.7E2	1.078	21778	10827	Sisma Y SLV	0	74.8	0	0	1.7E2	1.078
21779	10827	Sisma X SLO	39.9	0	0	0	1.7E2	1.078	21780	10827	Sisma Y SLO	0	39.9	0	0	1.7E2	1.078
21781	10827	Sisma X SLD	33.1	0	0	0	1.7E2	1.078	21782	10827	Sisma Y SLD	0	33.1	0	0	1.7E2	1.078
21783	10828	Sisma X SLV	32.9	0	0	0	7.6E1	1.078	21784	10828	Sisma Y SLV	0	32.9	0	0	7.6E1	1.078
21785	10828	Sisma X SLO	17.5	0	0	0	7.6E1	1.078	21786	10828	Sisma Y SLO	0	17.5	0	0	7.6E1	1.078
21787	10828	Sisma X SLD	14.5	0	0	0	7.6E1	1.078	21788	10828	Sisma Y SLD	0	14.5	0	0	7.6E1	1.078
21789	10829	Sisma X SLV	38.5	0	0	0	8.9E1	1.078	21790	10829	Sisma Y SLV	0	38.5	0	0	8.9E1	1.078
21791	10829	Sisma X SLO	20.5	0	0	0	8.9E1	1.078	21792	10829	Sisma Y SLO	0	20.5	0	0	8.9E1	1.078
21793	10829	Sisma X SLD	17	0	0	0	8.9E1	1.078	21794	10829	Sisma Y SLD	0	17	0	0	8.9E1	1.078
21795	10830	Sisma X SLV	36.9	0	0	0	8.6E1	1.081	21796	10830	Sisma Y SLV	0	36.9	0	0	8.6E1	1.081
21797	10830	Sisma X SLO	19.7	0	0	0	8.6E1	1.081	21798	10830	Sisma Y SLO	0	19.7	0	0	8.6E1	1.081
21799	10830	Sisma X SLD	16.3	0	0	0	8.6E1	1.081	21800	10830	Sisma Y SLD	0	16.3	0	0	8.6E1	1.081
21801	10831	Sisma X SLV	81.9	0	0	0	1.9E2	1.081	21802	10831	Sisma Y SLV	0	81.9	0	0	1.9E2	1.081
21803	10831	Sisma X SLO	43.7	0	0	0	1.9E2	1.081	21804	10831	Sisma Y SLO	0	43.7	0	0	1.9E2	1.081
21805	10831	Sisma X SLD	36.2	0	0	0	1.9E2	1.081	21806	10831	Sisma Y SLD	0	36.2	0	0	1.9E2	1.081
21807	10832	Sisma X SLV	49	0	0	0	1.1E2	1.084	21808	10832	Sisma Y SLV	0	49	0	0	1.1E2	1.084
21809	10832	Sisma X SLO	26.1	0	0	0	1.1E2	1.084	21810	10832	Sisma Y SLO	0	26.1	0	0	1.1E2	1.084
21811	10832	Sisma X SLD	21.7	0	0	0	1.1E2	1.084	21812	10832	Sisma Y SLD	0	21.7	0	0	1.1E2	1.084
21813	10833	Sisma X SLV	50.8	0	0	0	1.1E2	1.107	21814	10833	Sisma Y SLV	0	50.8	0	0	1.1E2	1.107
21815	10833	Sisma X SLO	27.1	0	0	0	1.1E2	1.107	21816	10833	Sisma Y SLO	0	27.1	0	0	1.1E2	1.107
21817	10833	Sisma X SLD	22.5	0	0	0	1.1E2	1.107	21818	10833	Sisma Y SLD	0	22.5	0	0	1.1E2	1.107
21819	10834	Sisma X SLV	47.6	0	0	0	1.0E2	1.143	21820	10834	Sisma Y SLV	0	47.6	0	0	1.0E2	1.143
21821	10834	Sisma X SLO	25.4	0	0	0	1.0E2	1.143	21822	10834	Sisma Y SLO	0	25.4	0	0	1.0E2	1.143
21823	10834	Sisma X SLD	21.1	0	0	0	1.0E2	1.143	21824	10834	Sisma Y SLD	0	21.1	0	0	1.0E2	1.143
21825	10835	Sisma X SLV	48.6	0	0	0	106.4	1.143	21826	10835	Sisma Y SLV	0	48.6	0	0	106.4	1.143
21827	10835	Sisma X SLO	25.9	0	0	0	106.4	1.143	21828	10835	Sisma Y SLO	0	25.9	0	0	106.4	1.143
21829	10835	Sisma X SLD	21.5	0	0	0	106.4	1.143	21830	10835	Sisma Y SLD	0	21.5	0	0	106.4	1.143
21831	10836	Sisma X SLV	43	0	0	0	9.4E1	1.144	21832	10836	Sisma Y SLV	0	43	0	0	9.4E1	1.144
21833	10836	Sisma X SLO	22.9	0	0	0	9.4E1	1.144	21834	10836	Sisma Y SLO	0	22.9	0	0	9.4E1	1.144
21835	10836	Sisma X SLD	19	0	0	0	9.4E1	1.144	21836	10836	Sisma Y SLD	0	19	0	0	9.4E1	1.144
21837	10837	Sisma X SLV	46.2	0	0	0	1.0E2	1.144	21838	10837	Sisma Y SLV	0	46.2	0	0	1.0E2	1.144
21839	10837	Sisma X SLO	24.6	0	0	0	1.0E2	1.144	21840	10837	Sisma Y SLO	0	24.6	0	0	1.0E2	1.144
21841	10837	Sisma X SLD	20.4	0	0	0	1.0E2	1.144	21842	10837	Sisma Y SLD	0	20.4	0	0	1.0E2	1.144
21843	10838	Sisma X SLV	42.7	0	0	0	9.3E1	1.144	21844	10838	Sisma Y SLV	0	42.7	0	0	9.3E1	1.144
21845	10838	Sisma X SLO	22.8	0	0	0	9.3E1	1.144	21846	10838	Sisma Y SLO	0	22.8	0	0	9.3E1	1.144
21847	10838	Sisma X SLD	18.9	0	0	0	9.3E1	1.144	21848	10838	Sisma Y SLD	0	18.9	0	0	9.3E1	1.144
21849	10839	Sisma X SLV	67.1	0	0	0	1.5E2	1.144	21850	10839	Sisma Y SLV	0	67.1	0	0	1.5E2	1.144
21851	10839	Sisma X SLO	35.8	0	0	0	1.5E2	1.144	21852	10839	Sisma Y SLO	0	35.8	0	0	1.5E2	1.144
21853	10839	Sisma X SLD	29.7	0	0	0	1.5E2	1.144	21854	10839	Sisma Y SLD	0	29.7	0	0	1.5E2	1.144
21855	10840	Sisma X SLV	65.5	0	0	0	1.4E2	1.144	21856	10840	Sisma Y SLV	0	65.5	0	0	1.4E2	1.144
21857	10840	Sisma X SLO	34.9	0	0	0	1.4E2	1.144	21858	10840	Sisma Y SLO	0	34.9	0	0	1.4E2	1.144
21859	10840	Sisma X SLD	29	0	0	0	1.4E2	1.144	21860	10840	Sisma Y SLD	0	29	0	0	1.4E2	1.144
21861	10841	Sisma X SLV	42	0	0	0	9.2E1	1.145	21862	10841	Sisma Y SLV	0	42	0	0	9.2E1	1.145
21863	10841	Sisma X SLO	22.4	0	0	0	9.2E1	1.145	21864	10841	Sisma Y SLO	0	22.4	0	0	9.2E1	1.145
21865	10841	Sisma X SLD	18.6	0	0	0	9.2E1	1.145	21866	10841	Sisma Y SLD	0	18.6	0	0	9.2E1	1.145
21867	10842	Sisma X SLV	70.9	0	0	0	1.6E2	1.145	21868	10842	Sisma Y SLV	0	70.9	0	0	1.6E2	1.145
21869	10842	Sisma X SLO	37.8	0	0	0	1.6E2	1.145	21870	10842	Sisma Y SLO	0	37.8	0	0	1.6E2	1.145
21871	10842	Sisma X SLD	31.4	0	0	0	1.6E2	1.145	21872	10842	Sisma Y SLD	0	31.4	0	0	1.6E2	1.145
21873	10843	Sisma X SLV	72.2	0	0	0	1.6E2	1.145	21874	10843	Sisma Y SLV	0	72.2	0	0	1.6E2	1.145
21875	10843	Sisma X SLO	38.5	0	0	0	1.6E2	1.145	21876	10843	Sisma Y SLO	0	38.5	0	0	1.6E2	1.145
21877	10843	Sisma X SLD	32	0	0	0	1.6E2	1.145	21878	10843	Sisma Y SLD	0	32	0	0	1.6E2	1.145
21879	10844	Sisma X SLV	42.8	0	0	0	9.4E1	1.145	21880	10844	Sisma Y SLV	0	42.8	0	0	9.4E1	1.145
21881	10844	Sisma X SLO	22.8	0	0	0	9.4E1	1.145	21882	10844	Sisma Y SLO	0	22.8	0	0	9.4E1	1.145
21883	10844	Sisma X SLD	18.9	0	0	0	9.4E1	1.145	21884	10844	Sisma Y SLD	0	18.9	0	0	9.4E1	1.145
21885	10845	Sisma X SLV	49.4	0	0	0	1.1E2	1.145	21886	10845	Sisma Y SLV	0	49.4	0	0	1.1E2	1.145
21887	10845	Sisma X SLO	26.3	0	0	0	1.1E2	1.145	21888	10845	Sisma Y SLO	0	26.3	0	0	1.1E2	1.145
21889	10845	Sisma X SLD	21.9	0	0	0	1.1E2	1.145	21890	10845	Sisma Y SLD	0	21.9	0	0	1.1E2	1.145
21891	10846	Sisma X SLV	48	0	0	0	1.0E2	1.145	21892	10846	Sisma Y SLV	0	48	0	0	1.0E2	1.145
21893	10846	Sisma X SLO	25.6	0	0	0	1.0E2	1.145	21894	10846	Sisma Y SLO	0	25.6	0	0	1.0E2	1.145
21895	10846	Sisma X SLD	21.2	0	0	0	1.0E2	1.145	21896	10846	Sisma Y SLD	0	21.2	0	0	1.0E2	1.145
21897	10847	Sisma X SLV	43.6	0	0	0	9.5E1	1.145	21898	10847	Sisma Y SLV	0	43.6	0	0	9.5E1	1.145
21899	10847	Sisma X SLO	23.3	0	0	0	9.5E1	1.145	21900	10847	Sisma Y SLO	0	23.3	0	0	9.5E1	1.145
21901	10847	Sisma X SLD	19.3	0	0	0	9.5E1	1.145	21902	10847	Sisma Y SLD	0	19.3	0	0	9.5E1	1.145
21903	10848	Sisma X SLV	49.2	0	0	0	1.1E2	1.145	21904	10848	Sisma Y SLV	0	49.2	0	0	1.1E2	1.145
21905	10848	Sisma X SLO	26.2	0	0	0	1.1E2	1.145	21906	10848	Sisma Y SLO	0	26.2	0	0	1.1E2	1.145
21907	10848	Sisma X SLD	21.8	0	0	0	1.1E2	1.145	21908	10848	Sisma Y SLD	0	21.8	0	0	1.1E2	1.145
21909	10849	Sisma X SLV	49.2	0	0	0	1.1E2	1.145	21910	10849	Sisma Y SLV	0	49.2	0	0	1.1E2	1.145
21911	10849	Sisma X SLO	26.2	0	0	0	1.1E2	1.145	21912	10849	Sisma Y SLO	0	26.2	0	0	1.1E2	1.145

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
21913	10849	Sisma X SLD	21.8	0	0	0	1.1E2	1.145	21914	10849	Sisma Y SLD	0	21.8	0	0	1.1E2	1.145
21915	10850	Sisma X SLV	56.7	0	0	0	1.2E2	1.145	21916	10850	Sisma Y SLV	0	56.7	0	0	1.2E2	1.145
21917	10850	Sisma X SLO	30.2	0	0	0	1.2E2	1.145	21918	10850	Sisma Y SLO	0	30.2	0	0	1.2E2	1.145
21919	10850	Sisma X SLD	25.1	0	0	0	1.2E2	1.145	21920	10850	Sisma Y SLD	0	25.1	0	0	1.2E2	1.145
21921	10851	Sisma X SLV	46.6	0	0	0	1.0E2	1.145	21922	10851	Sisma Y SLV	0	46.6	0	0	1.0E2	1.145
21923	10851	Sisma X SLO	24.8	0	0	0	1.0E2	1.145	21924	10851	Sisma Y SLO	0	24.8	0	0	1.0E2	1.145
21925	10851	Sisma X SLD	20.6	0	0	0	1.0E2	1.145	21926	10851	Sisma Y SLD	0	20.6	0	0	1.0E2	1.145
21927	10852	Sisma X SLV	49.4	0	0	0	1.1E2	1.145	21928	10852	Sisma Y SLV	0	49.4	0	0	1.1E2	1.145
21929	10852	Sisma X SLO	26.3	0	0	0	1.1E2	1.145	21930	10852	Sisma Y SLO	0	26.3	0	0	1.1E2	1.145
21931	10852	Sisma X SLD	21.8	0	0	0	1.1E2	1.145	21932	10852	Sisma Y SLD	0	21.8	0	0	1.1E2	1.145
21933	10853	Sisma X SLV	48.3	0	0	0	1.1E2	1.145	21934	10853	Sisma Y SLV	0	48.3	0	0	1.1E2	1.145
21935	10853	Sisma X SLO	25.7	0	0	0	1.1E2	1.145	21936	10853	Sisma Y SLO	0	25.7	0	0	1.1E2	1.145
21937	10853	Sisma X SLD	21.4	0	0	0	1.1E2	1.145	21938	10853	Sisma Y SLD	0	21.4	0	0	1.1E2	1.145
21939	10854	Sisma X SLV	48.3	0	0	0	1.1E2	1.146	21940	10854	Sisma Y SLV	0	48.3	0	0	1.1E2	1.146
21941	10854	Sisma X SLO	25.7	0	0	0	1.1E2	1.146	21942	10854	Sisma Y SLO	0	25.7	0	0	1.1E2	1.146
21943	10854	Sisma X SLD	21.4	0	0	0	1.1E2	1.146	21944	10854	Sisma Y SLD	0	21.4	0	0	1.1E2	1.146
21945	10855	Sisma X SLV	85	0	0	0	1.9E2	1.146	21946	10855	Sisma Y SLV	0	85	0	0	1.9E2	1.146
21947	10855	Sisma X SLO	45.3	0	0	0	1.9E2	1.146	21948	10855	Sisma Y SLO	0	45.3	0	0	1.9E2	1.146
21949	10855	Sisma X SLD	37.6	0	0	0	1.9E2	1.146	21950	10855	Sisma Y SLD	0	37.6	0	0	1.9E2	1.146
21951	10856	Sisma X SLV	54.7	0	0	0	1.2E2	1.146	21952	10856	Sisma Y SLV	0	54.7	0	0	1.2E2	1.146
21953	10856	Sisma X SLO	29.2	0	0	0	1.2E2	1.146	21954	10856	Sisma Y SLO	0	29.2	0	0	1.2E2	1.146
21955	10856	Sisma X SLD	24.2	0	0	0	1.2E2	1.146	21956	10856	Sisma Y SLD	0	24.2	0	0	1.2E2	1.146
21957	10857	Sisma X SLV	57.6	0	0	0	1.3E2	1.146	21958	10857	Sisma Y SLV	0	57.6	0	0	1.3E2	1.146
21959	10857	Sisma X SLO	30.7	0	0	0	1.3E2	1.146	21960	10857	Sisma Y SLO	0	30.7	0	0	1.3E2	1.146
21961	10857	Sisma X SLD	25.5	0	0	0	1.3E2	1.146	21962	10857	Sisma Y SLD	0	25.5	0	0	1.3E2	1.146
21963	10858	Sisma X SLV	39.2	0	0	0	8.6E1	1.146	21964	10858	Sisma Y SLV	0	39.2	0	0	8.6E1	1.146
21965	10858	Sisma X SLO	20.9	0	0	0	8.6E1	1.146	21966	10858	Sisma Y SLO	0	20.9	0	0	8.6E1	1.146
21967	10858	Sisma X SLD	17.4	0	0	0	8.6E1	1.146	21968	10858	Sisma Y SLD	0	17.4	0	0	8.6E1	1.146
21969	10859	Sisma X SLV	47.9	0	0	0	1.0E2	1.146	21970	10859	Sisma Y SLV	0	47.9	0	0	1.0E2	1.146
21971	10859	Sisma X SLO	25.5	0	0	0	1.0E2	1.146	21972	10859	Sisma Y SLO	0	25.5	0	0	1.0E2	1.146
21973	10859	Sisma X SLD	21.2	0	0	0	1.0E2	1.146	21974	10859	Sisma Y SLD	0	21.2	0	0	1.0E2	1.146
21975	10860	Sisma X SLV	46.6	0	0	0	1.0E2	1.146	21976	10860	Sisma Y SLV	0	46.6	0	0	1.0E2	1.146
21977	10860	Sisma X SLO	24.9	0	0	0	1.0E2	1.146	21978	10860	Sisma Y SLO	0	24.9	0	0	1.0E2	1.146
21979	10860	Sisma X SLD	20.6	0	0	0	1.0E2	1.146	21980	10860	Sisma Y SLD	0	20.6	0	0	1.0E2	1.146
21981	10861	Sisma X SLV	48.2	0	0	0	1.1E2	1.146	21982	10861	Sisma Y SLV	0	48.2	0	0	1.1E2	1.146
21983	10861	Sisma X SLO	25.7	0	0	0	1.1E2	1.146	21984	10861	Sisma Y SLO	0	25.7	0	0	1.1E2	1.146
21985	10861	Sisma X SLD	21.3	0	0	0	1.1E2	1.146	21986	10861	Sisma Y SLD	0	21.3	0	0	1.1E2	1.146
21987	10862	Sisma X SLV	43.3	0	0	0	9.5E1	1.146	21988	10862	Sisma Y SLV	0	43.3	0	0	9.5E1	1.146
21989	10862	Sisma X SLO	23.1	0	0	0	9.5E1	1.146	21990	10862	Sisma Y SLO	0	23.1	0	0	9.5E1	1.146
21991	10862	Sisma X SLD	19.2	0	0	0	9.5E1	1.146	21992	10862	Sisma Y SLD	0	19.2	0	0	9.5E1	1.146
21993	10863	Sisma X SLV	43.3	0	0	0	9.5E1	1.146	21994	10863	Sisma Y SLV	0	43.3	0	0	9.5E1	1.146
21995	10863	Sisma X SLO	23.1	0	0	0	9.5E1	1.146	21996	10863	Sisma Y SLO	0	23.1	0	0	9.5E1	1.146
21997	10863	Sisma X SLD	19.2	0	0	0	9.5E1	1.146	21998	10863	Sisma Y SLD	0	19.2	0	0	9.5E1	1.146
21999	10864	Sisma X SLV	47.1	0	0	0	1.0E2	1.146	22000	10864	Sisma Y SLV	0	47.1	0	0	1.0E2	1.146
22001	10864	Sisma X SLO	25.1	0	0	0	1.0E2	1.146	22002	10864	Sisma Y SLO	0	25.1	0	0	1.0E2	1.146
22003	10864	Sisma X SLD	20.8	0	0	0	1.0E2	1.146	22004	10864	Sisma Y SLD	0	20.8	0	0	1.0E2	1.146
22005	10865	Sisma X SLV	101.6	0	0	0	2.2E2	1.146	22006	10865	Sisma Y SLV	0	101.6	0	0	2.2E2	1.146
22007	10865	Sisma X SLO	54.2	0	0	0	2.2E2	1.146	22008	10865	Sisma Y SLO	0	54.2	0	0	2.2E2	1.146
22009	10865	Sisma X SLD	45	0	0	0	2.2E2	1.146	22010	10865	Sisma Y SLD	0	45	0	0	2.2E2	1.146
22011	10866	Sisma X SLV	72.3	0	0	0	1.6E2	1.146	22012	10866	Sisma Y SLV	0	72.3	0	0	1.6E2	1.146
22013	10866	Sisma X SLO	38.5	0	0	0	1.6E2	1.146	22014	10866	Sisma Y SLO	0	38.5	0	0	1.6E2	1.146
22015	10866	Sisma X SLD	32	0	0	0	1.6E2	1.146	22016	10866	Sisma Y SLD	0	32	0	0	1.6E2	1.146
22017	10867	Sisma X SLV	47.7	0	0	0	1.0E2	1.146	22018	10867	Sisma Y SLV	0	47.7	0	0	1.0E2	1.146
22019	10867	Sisma X SLO	25.5	0	0	0	1.0E2	1.146	22020	10867	Sisma Y SLO	0	25.5	0	0	1.0E2	1.146
22021	10867	Sisma X SLD	21.1	0	0	0	1.0E2	1.146	22022	10867	Sisma Y SLD	0	21.1	0	0	1.0E2	1.146
22023	10868	Sisma X SLV	69.1	0	0	0	1.5E2	1.146	22024	10868	Sisma Y SLV	0	69.1	0	0	1.5E2	1.146
22025	10868	Sisma X SLO	36.8	0	0	0	1.5E2	1.146	22026	10868	Sisma Y SLO	0	36.8	0	0	1.5E2	1.146
22027	10868	Sisma X SLD	30.6	0	0	0	1.5E2	1.146	22028	10868	Sisma Y SLD	0	30.6	0	0	1.5E2	1.146
22029	10869	Sisma X SLV	50.7	0	0	0	1.1E2	1.146	22030	10869	Sisma Y SLV	0	50.7	0	0	1.1E2	1.146
22031	10869	Sisma X SLO	27	0	0	0	1.1E2	1.146	22032	10869	Sisma Y SLO	0	27	0	0	1.1E2	1.146
22033	10869	Sisma X SLD	22.4	0	0	0	1.1E2	1.146	22034	10869	Sisma Y SLD	0	22.4	0	0	1.1E2	1.146
22035	10870	Sisma X SLV	46.3	0	0	0	1.0E2	1.146	22036	10870	Sisma Y SLV	0	46.3	0	0	1.0E2	1.146
22037	10870	Sisma X SLO	24.7	0	0	0	1.0E2	1.146	22038	10870	Sisma Y SLO	0	24.7	0	0	1.0E2	1.146
22039	10870	Sisma X SLD	20.5	0	0	0	1.0E2	1.146	22040	10870	Sisma Y SLD	0	20.5	0	0	1.0E2	1.146
22041	10871	Sisma X SLV	47.9	0	0	0	1.0E2	1.146	22042	10871	Sisma Y SLV	0	47.9	0	0	1.0E2	1.146
22043	10871	Sisma X SLO	25.5	0	0	0	1.0E2	1.146	22044	10871	Sisma Y SLO	0	25.5	0	0	1.0E2	1.146
22045	10871	Sisma X SLD	21.2	0	0	0	1.0E2	1.146	22046	10871	Sisma Y SLD	0	21.2	0	0	1.0E2	1.146
22047	10872	Sisma X SLV	42.4	0	0	0	9.3E1	1.146	22048	10872	Sisma Y SLV	0	42.4	0	0	9.3E1	1.146
22049	10872	Sisma X SLO	22.6	0	0	0	9.3E1	1.146	22050	10872	Sisma Y SLO	0	22.6	0	0	9.3E1	1.146
22051	10872	Sisma X SLD	18.8	0	0	0	9.3E1	1.146	22052	10872	Sisma Y SLD	0	18.8	0	0	9.3E1	1.146
22053	10873	Sisma X SLV	46.7	0	0	0	1.0E2	1.146	22054	10873	Sisma Y SLV	0	46.7	0	0	1.0E2	1.146
22055	10873	Sisma X SLO	24.9	0	0	0	1.0E2	1.146	22056	10873	Sisma Y SLO	0	24.9	0	0	1.0E2	1.146
22057	10873	Sisma X SLD	20.7	0	0	0	1.0E2	1.146	22058	10873	Sisma Y SLD	0	20.7	0	0	1.0E2	1.146
22059	10874	Sisma X SLV	45.4	0	0	0	9.9E1	1.146	22060	10874	Sisma Y SLV	0	45.4	0	0	9.9E1	1.146
22061	10874	Sisma X SLO	24.2	0	0	0	9.9E1	1.146	22062	10874	Sisma Y SLO	0	24.2	0	0	9.9E1	1.146
22063	10874	Sisma X SLD	20.1	0	0	0	9.9E1	1.146	22064	10874	Sisma Y SLD	0	20.1	0	0	9.9E1	1.146
22065	10875	Sisma X SLV	47.5	0	0	0	1.0E2	1.146	22066	10875	Sisma Y SLV	0	47.5	0	0	1.0E2	1.146
22067	10875	Sisma X SLO	25.3	0	0	0	1.0E2	1.146	22068	10875	Sisma Y SLO	0	25.3	0	0	1.0E2	1.146
22069	10875	Sisma X SLD	21	0	0	0	1.0E2	1.146	22070	10875	Sisma Y SLD	0	21	0	0	1.0E2	1.146
22071	10876	Sisma X SLV	47.9	0	0	0	1.0E2	1.146	22072	10876	Sisma Y SLV	0	47.9	0	0	1.0E2	1.146
22073	10876	Sisma X SLO	25.5	0	0	0	1.0E2	1.146	22074	10876	Sisma Y SLO	0	25.5	0	0	1.0E2	1.146
22075	10876	Sisma X SLD	21.2	0	0	0	1.0E2	1.146	22076	10876	Sisma Y SLD	0	21.2	0	0	1.0E2	1.146
22077	10877	Sisma X SLV	72.4	0	0	0	1.6E2	1.146	22078	10877	Sisma Y SLV	0	72.4	0	0	1.6E2	1.146
22079	10877	Sisma X SLO	38.6	0	0	0	1.6E2	1.146	22080	10877	Sisma Y SLO	0	38.6	0	0	1.6E2	1.146
22081	10877	Sisma X SLD	32	0	0	0	1.6E2	1.146	22082	10877	Sisma Y SLD	0	32	0	0	1.6E2	1.146
22083	10878	Sisma X SLV	102.4	0	0	0	2.2E2	1.146	22084	10878	Sisma Y SLV	0	102.4	0	0	2.2E2	1.146
22085	10878	Sisma X SLO	54.6	0	0	0	2.2E2	1.146	22086	10878	Sisma Y SLO	0	54.6	0	0	2.2E2	1.146
22087	10878	Sisma X SLD	45.3	0	0	0	2.2E2	1.146	22088	10878	Sisma Y SLD	0	45.3	0	0	2.2E2	1.146
22089	10879	Sisma X SLV	69.4	0	0	0	1.5E2	1.146	22090	10879	Sisma Y SLV	0	69.4	0	0	1.5E2	1.146
22091	10879	Sisma X SLO	37	0	0	0	1.5E2	1.146	22092	10879	Sisma Y SLO	0	37	0	0	1.5E2	1.146
22093	10879	Sisma X SLD	30.7	0	0	0	1.5E2	1.146	22094	10879	Sisma Y SLD	0	30.7	0	0	1.5E2	1.146
22095	10880	Sisma X SLV	52.5	0	0	0	1.1E2	1.146	22096	10880	Sisma Y SLV	0	52.5	0	0	1.1E2	1.146
22097	10880	Sisma X SLO	28	0	0	0	1.1E2	1.146	22098	10880	Sisma Y SLO	0	28	0	0	1.1E2	1.146
22099	10880	Sisma X SLD	23.2	0	0	0	1.1E2	1.146	22100	10880	Sisma Y SLD	0	23.2	0	0	1.1E2	1.146
22101	10881	Sisma X SLV	72.5	0	0	0	1.6E2	1.147	22102	10881	Sisma Y SLV	0	72.5	0	0	1.6E2	1.147
22103	10881	Sisma X SLO	38.6	0	0	0	1.6E2	1.147	22104	10881	Sisma Y SLO	0	38.6	0	0	1.6E2	1.147
22105	10881	Sisma X SLD	32.1	0	0	0	1.6E2	1.147	22106	10881	Sisma Y SLD	0	32.1	0	0	1.6E2	1.147
22107	10882	Sisma X SLV	103.3	0	0	0	2.3E2	1.147	22108	10882	Sisma Y SLV	0	103.3	0	0	2.3E2	1.147
22109	10882	Sisma X SLO	55	0	0	0	2.3E2	1.147	22110	10882	Sisma Y SLO	0	55	0	0	2.3E2	1.147
22111	10882	Sisma X SLD	45.7	0	0	0	2.3E2	1.147	22112	10882	Sisma Y SLD	0	45.7	0	0	2.3E2	1.147

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
22113	10883	Sisma X SLV	48.6	0	0	0	1.1E2	1.147	22114	10883	Sisma Y SLV	0	48.6	0	0	1.1E2	1.147
22115	10883	Sisma X SLO	25.9	0	0	0	1.1E2	1.147	22116	10883	Sisma Y SLO	0	25.9	0	0	1.1E2	1.147
22117	10883	Sisma X SLD	21.5	0	0	0	1.1E2	1.147	22118	10883	Sisma Y SLD	0	21.5	0	0	1.1E2	1.147
22119	10884	Sisma X SLV	47	0	0	0	1.0E2	1.147	22120	10884	Sisma Y SLV	0	47	0	0	1.0E2	1.147
22121	10884	Sisma X SLO	25.1	0	0	0	1.0E2	1.147	22122	10884	Sisma Y SLO	0	25.1	0	0	1.0E2	1.147
22123	10884	Sisma X SLD	20.8	0	0	0	1.0E2	1.147	22124	10884	Sisma Y SLD	0	20.8	0	0	1.0E2	1.147
22125	10885	Sisma X SLV	69.8	0	0	0	1.5E2	1.147	22126	10885	Sisma Y SLV	0	69.8	0	0	1.5E2	1.147
22127	10885	Sisma X SLO	37.2	0	0	0	1.5E2	1.147	22128	10885	Sisma Y SLO	0	37.2	0	0	1.5E2	1.147
22129	10885	Sisma X SLD	30.9	0	0	0	1.5E2	1.147	22130	10885	Sisma Y SLD	0	30.9	0	0	1.5E2	1.147
22131	10886	Sisma X SLV	72.6	0	0	0	1.6E2	1.147	22132	10886	Sisma Y SLV	0	72.6	0	0	1.6E2	1.147
22133	10886	Sisma X SLO	38.7	0	0	0	1.6E2	1.147	22134	10886	Sisma Y SLO	0	38.7	0	0	1.6E2	1.147
22135	10886	Sisma X SLD	32.1	0	0	0	1.6E2	1.147	22136	10886	Sisma Y SLD	0	32.1	0	0	1.6E2	1.147
22137	10887	Sisma X SLV	77.9	0	0	0	1.7E2	1.147	22138	10887	Sisma Y SLV	0	77.9	0	0	1.7E2	1.147
22139	10887	Sisma X SLO	41.5	0	0	0	1.7E2	1.147	22140	10887	Sisma Y SLO	0	41.5	0	0	1.7E2	1.147
22141	10887	Sisma X SLD	34.5	0	0	0	1.7E2	1.147	22142	10887	Sisma Y SLD	0	34.5	0	0	1.7E2	1.147
22143	10888	Sisma X SLV	79.1	0	0	0	1.7E2	1.147	22144	10888	Sisma Y SLV	0	79.1	0	0	1.7E2	1.147
22145	10888	Sisma X SLO	42.1	0	0	0	1.7E2	1.147	22146	10888	Sisma Y SLO	0	42.1	0	0	1.7E2	1.147
22147	10888	Sisma X SLD	35	0	0	0	1.7E2	1.147	22148	10888	Sisma Y SLD	0	35	0	0	1.7E2	1.147
22149	10889	Sisma X SLV	76.8	0	0	0	1.7E2	1.147	22150	10889	Sisma Y SLV	0	76.8	0	0	1.7E2	1.147
22151	10889	Sisma X SLO	40.9	0	0	0	1.7E2	1.147	22152	10889	Sisma Y SLO	0	40.9	0	0	1.7E2	1.147
22153	10889	Sisma X SLD	34	0	0	0	1.7E2	1.147	22154	10889	Sisma Y SLD	0	34	0	0	1.7E2	1.147
22155	10890	Sisma X SLV	66.7	0	0	0	1.5E2	1.147	22156	10890	Sisma Y SLV	0	66.7	0	0	1.5E2	1.147
22157	10890	Sisma X SLO	35.6	0	0	0	1.5E2	1.147	22158	10890	Sisma Y SLO	0	35.6	0	0	1.5E2	1.147
22159	10890	Sisma X SLD	29.5	0	0	0	1.5E2	1.147	22160	10890	Sisma Y SLD	0	29.5	0	0	1.5E2	1.147
22161	10891	Sisma X SLV	75.8	0	0	0	1.7E2	1.147	22162	10891	Sisma Y SLV	0	75.8	0	0	1.7E2	1.147
22163	10891	Sisma X SLO	40.4	0	0	0	1.7E2	1.147	22164	10891	Sisma Y SLO	0	40.4	0	0	1.7E2	1.147
22165	10891	Sisma X SLD	33.5	0	0	0	1.7E2	1.147	22166	10891	Sisma Y SLD	0	33.5	0	0	1.7E2	1.147
22167	10892	Sisma X SLV	80.5	0	0	0	1.8E2	1.147	22168	10892	Sisma Y SLV	0	80.5	0	0	1.8E2	1.147
22169	10892	Sisma X SLO	42.9	0	0	0	1.8E2	1.147	22170	10892	Sisma Y SLO	0	42.9	0	0	1.8E2	1.147
22171	10892	Sisma X SLD	35.6	0	0	0	1.8E2	1.147	22172	10892	Sisma Y SLD	0	35.6	0	0	1.8E2	1.147
22173	10893	Sisma X SLV	104.4	0	0	0	2.3E2	1.147	22174	10893	Sisma Y SLV	0	104.4	0	0	2.3E2	1.147
22175	10893	Sisma X SLO	55.7	0	0	0	2.3E2	1.147	22176	10893	Sisma Y SLO	0	55.7	0	0	2.3E2	1.147
22177	10893	Sisma X SLD	46.2	0	0	0	2.3E2	1.147	22178	10893	Sisma Y SLD	0	46.2	0	0	2.3E2	1.147
22179	10894	Sisma X SLV	74.9	0	0	0	1.6E2	1.147	22180	10894	Sisma Y SLV	0	74.9	0	0	1.6E2	1.147
22181	10894	Sisma X SLO	39.9	0	0	0	1.6E2	1.147	22182	10894	Sisma Y SLO	0	39.9	0	0	1.6E2	1.147
22183	10894	Sisma X SLD	33.1	0	0	0	1.6E2	1.147	22184	10894	Sisma Y SLD	0	33.1	0	0	1.6E2	1.147
22185	10895	Sisma X SLV	62.1	0	0	0	1.4E2	1.147	22186	10895	Sisma Y SLV	0	62.1	0	0	1.4E2	1.147
22187	10895	Sisma X SLO	33.1	0	0	0	1.4E2	1.147	22188	10895	Sisma Y SLO	0	33.1	0	0	1.4E2	1.147
22189	10895	Sisma X SLD	27.5	0	0	0	1.4E2	1.147	22190	10895	Sisma Y SLD	0	27.5	0	0	1.4E2	1.147
22191	10896	Sisma X SLV	70.5	0	0	0	1.5E2	1.147	22192	10896	Sisma Y SLV	0	70.5	0	0	1.5E2	1.147
22193	10896	Sisma X SLO	37.6	0	0	0	1.5E2	1.147	22194	10896	Sisma Y SLO	0	37.6	0	0	1.5E2	1.147
22195	10896	Sisma X SLD	31.2	0	0	0	1.5E2	1.147	22196	10896	Sisma Y SLD	0	31.2	0	0	1.5E2	1.147
22197	10897	Sisma X SLV	74.2	0	0	0	1.6E2	1.147	22198	10897	Sisma Y SLV	0	74.2	0	0	1.6E2	1.147
22199	10897	Sisma X SLO	39.5	0	0	0	1.6E2	1.147	22200	10897	Sisma Y SLO	0	39.5	0	0	1.6E2	1.147
22201	10897	Sisma X SLD	32.8	0	0	0	1.6E2	1.147	22202	10897	Sisma Y SLD	0	32.8	0	0	1.6E2	1.147
22203	10898	Sisma X SLV	52.9	0	0	0	1.2E2	1.147	22204	10898	Sisma Y SLV	0	52.9	0	0	1.2E2	1.147
22205	10898	Sisma X SLO	28.2	0	0	0	1.2E2	1.147	22206	10898	Sisma Y SLO	0	28.2	0	0	1.2E2	1.147
22207	10898	Sisma X SLD	23.4	0	0	0	1.2E2	1.147	22208	10898	Sisma Y SLD	0	23.4	0	0	1.2E2	1.147
22209	10899	Sisma X SLV	72.8	0	0	0	1.6E2	1.147	22210	10899	Sisma Y SLV	0	72.8	0	0	1.6E2	1.147
22211	10899	Sisma X SLO	38.8	0	0	0	1.6E2	1.147	22212	10899	Sisma Y SLO	0	38.8	0	0	1.6E2	1.147
22213	10899	Sisma X SLD	32.2	0	0	0	1.6E2	1.147	22214	10899	Sisma Y SLD	0	32.2	0	0	1.6E2	1.147
22215	10900	Sisma X SLV	82.3	0	0	0	1.8E2	1.147	22216	10900	Sisma Y SLV	0	82.3	0	0	1.8E2	1.147
22217	10900	Sisma X SLO	43.9	0	0	0	1.8E2	1.147	22218	10900	Sisma Y SLO	0	43.9	0	0	1.8E2	1.147
22219	10900	Sisma X SLD	36.4	0	0	0	1.8E2	1.147	22220	10900	Sisma Y SLD	0	36.4	0	0	1.8E2	1.147
22221	10901	Sisma X SLV	73.8	0	0	0	1.6E2	1.147	22222	10901	Sisma Y SLV	0	73.8	0	0	1.6E2	1.147
22223	10901	Sisma X SLO	39.3	0	0	0	1.6E2	1.147	22224	10901	Sisma Y SLO	0	39.3	0	0	1.6E2	1.147
22225	10901	Sisma X SLD	32.7	0	0	0	1.6E2	1.147	22226	10901	Sisma Y SLD	0	32.7	0	0	1.6E2	1.147
22227	10902	Sisma X SLV	48.6	0	0	0	1.1E2	1.147	22228	10902	Sisma Y SLV	0	48.6	0	0	1.1E2	1.147
22229	10902	Sisma X SLO	25.9	0	0	0	1.1E2	1.147	22230	10902	Sisma Y SLO	0	25.9	0	0	1.1E2	1.147
22231	10902	Sisma X SLD	21.5	0	0	0	1.1E2	1.147	22232	10902	Sisma Y SLD	0	21.5	0	0	1.1E2	1.147
22233	10903	Sisma X SLV	74	0	0	0	1.6E2	1.148	22234	10903	Sisma Y SLV	0	74	0	0	1.6E2	1.148
22235	10903	Sisma X SLO	39.4	0	0	0	1.6E2	1.148	22236	10903	Sisma Y SLO	0	39.4	0	0	1.6E2	1.148
22237	10903	Sisma X SLD	32.7	0	0	0	1.6E2	1.148	22238	10903	Sisma Y SLD	0	32.7	0	0	1.6E2	1.148
22239	10904	Sisma X SLV	73	0	0	0	1.6E2	1.148	22240	10904	Sisma Y SLV	0	73	0	0	1.6E2	1.148
22241	10904	Sisma X SLO	38.9	0	0	0	1.6E2	1.148	22242	10904	Sisma Y SLO	0	38.9	0	0	1.6E2	1.148
22243	10904	Sisma X SLD	32.3	0	0	0	1.6E2	1.148	22244	10904	Sisma Y SLD	0	32.3	0	0	1.6E2	1.148
22245	10905	Sisma X SLV	66.2	0	0	0	1.4E2	1.148	22246	10905	Sisma Y SLV	0	66.2	0	0	1.4E2	1.148
22247	10905	Sisma X SLO	35.3	0	0	0	1.4E2	1.148	22248	10905	Sisma Y SLO	0	35.3	0	0	1.4E2	1.148
22249	10905	Sisma X SLD	29.3	0	0	0	1.4E2	1.148	22250	10905	Sisma Y SLD	0	29.3	0	0	1.4E2	1.148
22251	10906	Sisma X SLV	46.7	0	0	0	1.0E2	1.148	22252	10906	Sisma Y SLV	0	46.7	0	0	1.0E2	1.148
22253	10906	Sisma X SLO	24.9	0	0	0	1.0E2	1.148	22254	10906	Sisma Y SLO	0	24.9	0	0	1.0E2	1.148
22255	10906	Sisma X SLD	20.7	0	0	0	1.0E2	1.148	22256	10906	Sisma Y SLD	0	20.7	0	0	1.0E2	1.148
22257	10907	Sisma X SLV	46.7	0	0	0	1.0E2	1.148	22258	10907	Sisma Y SLV	0	46.7	0	0	1.0E2	1.148
22259	10907	Sisma X SLO	24.9	0	0	0	1.0E2	1.148	22260	10907	Sisma Y SLO	0	24.9	0	0	1.0E2	1.148
22261	10907	Sisma X SLD	20.7	0	0	0	1.0E2	1.148	22262	10907	Sisma Y SLD	0	20.7	0	0	1.0E2	1.148
22263	10908	Sisma X SLV	41.5	0	0	0	90.5	1.148	22264	10908	Sisma Y SLV	0	41.5	0	0	90.5	1.148
22265	10908	Sisma X SLO	22.1	0	0	0	90.5	1.148	22266	10908	Sisma Y SLO	0	22.1	0	0	90.5	1.148
22267	10908	Sisma X SLD	18.4	0	0	0	90.5	1.148	22268	10908	Sisma Y SLD	0	18.4	0	0	90.5	1.148
22269	10909	Sisma X SLV	88.5	0	0	0	1.9E2	1.148	22270	10909	Sisma Y SLV	0	88.5	0	0	1.9E2	1.148
22271	10909	Sisma X SLO	47.2	0	0	0	1.9E2	1.148	22272	10909	Sisma Y SLO	0	47.2	0	0	1.9E2	1.148
22273	10909	Sisma X SLD	39.2	0	0	0	1.9E2	1.148	22274	10909	Sisma Y SLD	0	39.2	0	0	1.9E2	1.148
22275	10910	Sisma X SLV	51.5	0	0	0	1.1E2	1.148	22276	10910	Sisma Y SLV	0	51.5	0	0	1.1E2	1.148
22277	10910	Sisma X SLO	27.4	0	0	0	1.1E2	1.148	22278	10910	Sisma Y SLO	0	27.4	0	0	1.1E2	1.148
22279	10910	Sisma X SLD	22.8	0	0	0	1.1E2	1.148	22280	10910	Sisma Y SLD	0	22.8	0	0	1.1E2	1.148
22281	10911	Sisma X SLV	35.4	0	0	0	7.7E1	1.148	22282	10911	Sisma Y SLV	0	35.4	0	0	7.7E1	1.148
22283	10911	Sisma X SLO	18.9	0	0	0	7.7E1	1.148	22284	10911	Sisma Y SLO	0	18.9	0	0	7.7E1	1.148
22285	10911	Sisma X SLD	15.7	0	0	0	7.7E1	1.148	22286	10911	Sisma Y SLD	0	15.7	0	0	7.7E1	1.148
22287	10912	Sisma X SLV	76.8	0	0	0	1.7E2	1.148	22288	10912	Sisma Y SLV	0	76.8	0	0	1.7E2	1.148
22289	10912	Sisma X SLO	40.9	0	0	0	1.7E2	1.148	22290	10912	Sisma Y SLO	0	40.9	0	0	1.7E2	1.148
22291	10912	Sisma X SLD	34	0	0	0	1.7E2	1.148	22292	10912	Sisma Y SLD	0	34	0	0	1.7E2	1.148
22293	10913	Sisma X SLV	48.1	0	0	0	1.0E2	1.148	22294	10913	Sisma Y SLV	0	48.1	0	0	1.0E2	1.148
22295	10913	Sisma X SLO	25.6	0	0	0	1.0E2	1.148	22296	10913	Sisma Y SLO	0	25.6	0	0	1.0E2	1.148
22297	10913	Sisma X SLD	21.3	0	0	0	1.0E2	1.148	22298	10913	Sisma Y SLD	0	21.3	0	0	1.0E2	1.148
22299	10914	Sisma X SLV	24	0	0	0	5.2E1	1.148	22300	10914	Sisma Y SLV	0	24	0	0	5.2E1	1.148
22301	10914	Sisma X SLO	12.8	0	0	0	5.2E1	1.148	22302	10914	Sisma Y SLO	0	12.8	0	0	5.2E1	1.148
22303	10914	Sisma X SLD	10.6	0	0	0	5.2E1	1.148	22304	10914	Sisma Y SLD	0	10.6	0	0	5.2E1	1.148
22305	10915	Sisma X SLV	28.5	0	0	0	62.05	1.148	22306	10915	Sisma Y SLV	0	28.5	0	0	62.05	1.148
22307	10915	Sisma X SLO	15.2	0	0	0	62.05	1.148	22308	10915	Sisma Y SLO	0	15.2	0	0	62.05	1.148
22309	10915	Sisma X SLD	12.6	0	0	0	62.05	1.148	22310	10915	Sisma Y SLD	0	12.6	0	0	62.05	1.148
22311	10916	Sisma X SLV	27.4	0	0	0	6.0E1	1.148	22312	10916	Sisma Y SLV	0	27.4	0	0	6.0E1	1.148

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
22313	10916	Sisma X SLO	14.6	0	0	0	6.0E1	1.148	22314	10916	Sisma Y SLO	0	14.6	0	0	6.0E1	1.148
22315	10916	Sisma X SLD	12.1	0	0	0	6.0E1	1.148	22316	10916	Sisma Y SLD	0	12.1	0	0	6.0E1	1.148
22317	10917	Sisma X SLV	23.4	0	0	0	5.1E1	1.148	22318	10917	Sisma Y SLV	0	23.4	0	0	5.1E1	1.148
22319	10917	Sisma X SLO	12.5	0	0	0	5.1E1	1.148	22320	10917	Sisma Y SLO	0	12.5	0	0	5.1E1	1.148
22321	10917	Sisma X SLD	10.4	0	0	0	5.1E1	1.148	22322	10917	Sisma Y SLD	0	10.4	0	0	5.1E1	1.148
22323	10918	Sisma X SLV	22.9	0	0	0	5.0E1	1.148	22324	10918	Sisma Y SLV	0	22.9	0	0	5.0E1	1.148
22325	10918	Sisma X SLO	12.2	0	0	0	5.0E1	1.148	22326	10918	Sisma Y SLO	0	12.2	0	0	5.0E1	1.148
22327	10918	Sisma X SLD	10.2	0	0	0	5.0E1	1.148	22328	10918	Sisma Y SLD	0	10.2	0	0	5.0E1	1.148
22329	10919	Sisma X SLV	31.7	0	0	0	6.9E1	1.148	22330	10919	Sisma Y SLV	0	31.7	0	0	6.9E1	1.148
22331	10919	Sisma X SLO	16.9	0	0	0	6.9E1	1.148	22332	10919	Sisma Y SLO	0	16.9	0	0	6.9E1	1.148
22333	10919	Sisma X SLD	14	0	0	0	6.9E1	1.148	22334	10919	Sisma Y SLD	0	14	0	0	6.9E1	1.148
22335	10920	Sisma X SLV	32	0	0	0	7.0E1	1.148	22336	10920	Sisma Y SLV	0	32	0	0	7.0E1	1.148
22337	10920	Sisma X SLO	17.1	0	0	0	7.0E1	1.148	22338	10920	Sisma Y SLO	0	17.1	0	0	7.0E1	1.148
22339	10920	Sisma X SLD	14.2	0	0	0	7.0E1	1.148	22340	10920	Sisma Y SLD	0	14.2	0	0	7.0E1	1.148
22341	10921	Sisma X SLV	29.7	0	0	0	6.5E1	1.148	22342	10921	Sisma Y SLV	0	29.7	0	0	6.5E1	1.148
22343	10921	Sisma X SLO	15.9	0	0	0	6.5E1	1.148	22344	10921	Sisma Y SLO	0	15.9	0	0	6.5E1	1.148
22345	10921	Sisma X SLD	13.2	0	0	0	6.5E1	1.148	22346	10921	Sisma Y SLD	0	13.2	0	0	6.5E1	1.148
22347	10922	Sisma X SLV	34.7	0	0	0	7.6E1	1.148	22348	10922	Sisma Y SLV	0	34.7	0	0	7.6E1	1.148
22349	10922	Sisma X SLO	18.5	0	0	0	7.6E1	1.148	22350	10922	Sisma Y SLO	0	18.5	0	0	7.6E1	1.148
22351	10922	Sisma X SLD	15.4	0	0	0	7.6E1	1.148	22352	10922	Sisma Y SLD	0	15.4	0	0	7.6E1	1.148
22353	10923	Sisma X SLV	23.3	0	0	0	5.1E1	1.148	22354	10923	Sisma Y SLV	0	23.3	0	0	5.1E1	1.148
22355	10923	Sisma X SLO	12.4	0	0	0	5.1E1	1.148	22356	10923	Sisma Y SLO	0	12.4	0	0	5.1E1	1.148
22357	10923	Sisma X SLD	10.3	0	0	0	5.1E1	1.148	22358	10923	Sisma Y SLD	0	10.3	0	0	5.1E1	1.148
22359	10924	Sisma X SLV	22.7	0	0	0	4.9E1	1.148	22360	10924	Sisma Y SLV	0	22.7	0	0	4.9E1	1.148
22361	10924	Sisma X SLO	12.1	0	0	0	4.9E1	1.148	22362	10924	Sisma Y SLO	0	12.1	0	0	4.9E1	1.148
22363	10924	Sisma X SLD	10	0	0	0	4.9E1	1.148	22364	10924	Sisma Y SLD	0	10	0	0	4.9E1	1.148
22365	10925	Sisma X SLV	29.9	0	0	0	6.5E1	1.148	22366	10925	Sisma Y SLV	0	29.9	0	0	6.5E1	1.148
22367	10925	Sisma X SLO	16	0	0	0	6.5E1	1.148	22368	10925	Sisma Y SLO	0	16	0	0	6.5E1	1.148
22369	10925	Sisma X SLD	13.2	0	0	0	6.5E1	1.148	22370	10925	Sisma Y SLD	0	13.2	0	0	6.5E1	1.148
22371	10926	Sisma X SLV	31.3	0	0	0	6.8E1	1.148	22372	10926	Sisma Y SLV	0	31.3	0	0	6.8E1	1.148
22373	10926	Sisma X SLO	16.7	0	0	0	6.8E1	1.148	22374	10926	Sisma Y SLO	0	16.7	0	0	6.8E1	1.148
22375	10926	Sisma X SLD	13.9	0	0	0	6.8E1	1.148	22376	10926	Sisma Y SLD	0	13.9	0	0	6.8E1	1.148
22377	10927	Sisma X SLV	22.7	0	0	0	4.9E1	1.148	22378	10927	Sisma Y SLV	0	22.7	0	0	4.9E1	1.148
22379	10927	Sisma X SLO	12.1	0	0	0	4.9E1	1.148	22380	10927	Sisma Y SLO	0	12.1	0	0	4.9E1	1.148
22381	10927	Sisma X SLD	10	0	0	0	4.9E1	1.148	22382	10927	Sisma Y SLD	0	10	0	0	4.9E1	1.148
22383	10928	Sisma X SLV	22.6	0	0	0	4.9E1	1.148	22384	10928	Sisma Y SLV	0	22.6	0	0	4.9E1	1.148
22385	10928	Sisma X SLO	12	0	0	0	4.9E1	1.148	22386	10928	Sisma Y SLO	0	12	0	0	4.9E1	1.148
22387	10928	Sisma X SLD	10	0	0	0	4.9E1	1.148	22388	10928	Sisma Y SLD	0	10	0	0	4.9E1	1.148
22389	10929	Sisma X SLV	21.9	0	0	0	4.8E1	1.148	22390	10929	Sisma Y SLV	0	21.9	0	0	4.8E1	1.148
22391	10929	Sisma X SLO	11.7	0	0	0	4.8E1	1.148	22392	10929	Sisma Y SLO	0	11.7	0	0	4.8E1	1.148
22393	10929	Sisma X SLD	9.7	0	0	0	4.8E1	1.148	22394	10929	Sisma Y SLD	0	9.7	0	0	4.8E1	1.148
22395	10930	Sisma X SLV	33.6	0	0	0	7.3E1	1.148	22396	10930	Sisma Y SLV	0	33.6	0	0	7.3E1	1.148
22397	10930	Sisma X SLO	17.9	0	0	0	7.3E1	1.148	22398	10930	Sisma Y SLO	0	17.9	0	0	7.3E1	1.148
22399	10930	Sisma X SLD	14.9	0	0	0	7.3E1	1.148	22400	10930	Sisma Y SLD	0	14.9	0	0	7.3E1	1.148
22401	10931	Sisma X SLV	21.6	0	0	0	4.7E1	1.148	22402	10931	Sisma Y SLV	0	21.6	0	0	4.7E1	1.148
22403	10931	Sisma X SLO	11.5	0	0	0	4.7E1	1.148	22404	10931	Sisma Y SLO	0	11.5	0	0	4.7E1	1.148
22405	10931	Sisma X SLD	9.5	0	0	0	4.7E1	1.148	22406	10931	Sisma Y SLD	0	9.5	0	0	4.7E1	1.148
22407	10932	Sisma X SLV	22.2	0	0	0	4.8E1	1.148	22408	10932	Sisma Y SLV	0	22.2	0	0	4.8E1	1.148
22409	10932	Sisma X SLO	11.9	0	0	0	4.8E1	1.148	22410	10932	Sisma Y SLO	0	11.9	0	0	4.8E1	1.148
22411	10932	Sisma X SLD	9.8	0	0	0	4.8E1	1.148	22412	10932	Sisma Y SLD	0	9.8	0	0	4.8E1	1.148
22413	10933	Sisma X SLV	27.1	0	0	0	59.12	1.148	22414	10933	Sisma Y SLV	0	27.1	0	0	59.12	1.148
22415	10933	Sisma X SLO	14.5	0	0	0	59.12	1.148	22416	10933	Sisma Y SLO	0	14.5	0	0	59.12	1.148
22417	10933	Sisma X SLD	12	0	0	0	59.12	1.148	22418	10933	Sisma Y SLD	0	12	0	0	59.12	1.148
22419	10934	Sisma X SLV	26.3	0	0	0	5.7E1	1.148	22420	10934	Sisma Y SLV	0	26.3	0	0	5.7E1	1.148
22421	10934	Sisma X SLO	14	0	0	0	5.7E1	1.148	22422	10934	Sisma Y SLO	0	14	0	0	5.7E1	1.148
22423	10934	Sisma X SLD	11.7	0	0	0	5.7E1	1.148	22424	10934	Sisma Y SLD	0	11.7	0	0	5.7E1	1.148
22425	10935	Sisma X SLV	31.9	0	0	0	7.0E1	1.148	22426	10935	Sisma Y SLV	0	31.9	0	0	7.0E1	1.148
22427	10935	Sisma X SLO	17	0	0	0	7.0E1	1.148	22428	10935	Sisma Y SLO	0	17	0	0	7.0E1	1.148
22429	10935	Sisma X SLD	14.1	0	0	0	7.0E1	1.148	22430	10935	Sisma Y SLD	0	14.1	0	0	7.0E1	1.148
22431	10936	Sisma X SLV	32	0	0	0	7.0E1	1.148	22432	10936	Sisma Y SLV	0	32	0	0	7.0E1	1.148
22433	10936	Sisma X SLO	17.1	0	0	0	7.0E1	1.148	22434	10936	Sisma Y SLO	0	17.1	0	0	7.0E1	1.148
22435	10936	Sisma X SLD	14.2	0	0	0	7.0E1	1.148	22436	10936	Sisma Y SLD	0	14.2	0	0	7.0E1	1.148
22437	10937	Sisma X SLV	22	0	0	0	4.8E1	1.148	22438	10937	Sisma Y SLV	0	22	0	0	4.8E1	1.148
22439	10937	Sisma X SLO	11.7	0	0	0	4.8E1	1.148	22440	10937	Sisma Y SLO	0	11.7	0	0	4.8E1	1.148
22441	10937	Sisma X SLD	9.7	0	0	0	4.8E1	1.148	22442	10937	Sisma Y SLD	0	9.7	0	0	4.8E1	1.148
22443	10938	Sisma X SLV	22.3	0	0	0	4.9E1	1.148	22444	10938	Sisma Y SLV	0	22.3	0	0	4.9E1	1.148
22445	10938	Sisma X SLO	11.9	0	0	0	4.9E1	1.148	22446	10938	Sisma Y SLO	0	11.9	0	0	4.9E1	1.148
22447	10938	Sisma X SLD	9.9	0	0	0	4.9E1	1.148	22448	10938	Sisma Y SLD	0	9.9	0	0	4.9E1	1.148
22449	10939	Sisma X SLV	24.2	0	0	0	5.3E1	1.148	22450	10939	Sisma Y SLV	0	24.2	0	0	5.3E1	1.148
22451	10939	Sisma X SLO	12.9	0	0	0	5.3E1	1.148	22452	10939	Sisma Y SLO	0	12.9	0	0	5.3E1	1.148
22453	10939	Sisma X SLD	10.7	0	0	0	5.3E1	1.148	22454	10939	Sisma Y SLD	0	10.7	0	0	5.3E1	1.148
22455	10940	Sisma X SLV	25.9	0	0	0	5.6E1	1.148	22456	10940	Sisma Y SLV	0	25.9	0	0	5.6E1	1.148
22457	10940	Sisma X SLO	13.8	0	0	0	5.6E1	1.148	22458	10940	Sisma Y SLO	0	13.8	0	0	5.6E1	1.148
22459	10940	Sisma X SLD	11.5	0	0	0	5.6E1	1.148	22460	10940	Sisma Y SLD	0	11.5	0	0	5.6E1	1.148
22461	10941	Sisma X SLV	34	0	0	0	7.4E1	1.148	22462	10941	Sisma Y SLV	0	34	0	0	7.4E1	1.148
22463	10941	Sisma X SLO	18.1	0	0	0	7.4E1	1.148	22464	10941	Sisma Y SLO	0	18.1	0	0	7.4E1	1.148
22465	10941	Sisma X SLD	15.1	0	0	0	7.4E1	1.148	22466	10941	Sisma Y SLD	0	15.1	0	0	7.4E1	1.148
22467	10942	Sisma X SLV	34.6	0	0	0	7.5E1	1.148	22468	10942	Sisma Y SLV	0	34.6	0	0	7.5E1	1.148
22469	10942	Sisma X SLO	18.4	0	0	0	7.5E1	1.148	22470	10942	Sisma Y SLO	0	18.4	0	0	7.5E1	1.148
22471	10942	Sisma X SLD	15.3	0	0	0	7.5E1	1.148	22472	10942	Sisma Y SLD	0	15.3	0	0	7.5E1	1.148
22473	10943	Sisma X SLV	23.8	0	0	0	5.2E1	1.148	22474	10943	Sisma Y SLV	0	23.8	0	0	5.2E1	1.148
22475	10943	Sisma X SLO	12.7	0	0	0	5.2E1	1.148	22476	10943	Sisma Y SLO	0	12.7	0	0	5.2E1	1.148
22477	10943	Sisma X SLD	10.5	0	0	0	5.2E1	1.148	22478	10943	Sisma Y SLD	0	10.5	0	0	5.2E1	1.148
22479	10944	Sisma X SLV	24.6	0	0	0	5.4E1	1.148	22480	10944	Sisma Y SLV	0	24.6	0	0	5.4E1	1.148
22481	10944	Sisma X SLO	13.1	0	0	0	5.4E1	1.148	22482	10944	Sisma Y SLO	0	13.1	0	0	5.4E1	1.148
22483	10944	Sisma X SLD	10.9	0	0	0	5.4E1	1.148	22484	10944	Sisma Y SLD	0	10.9	0	0	5.4E1	1.148
22485	10945	Sisma X SLV	29.7	0	0	0	6.5E1	1.148	22486	10945	Sisma Y SLV	0	29.7	0	0	6.5E1	1.148
22487	10945	Sisma X SLO	15.8	0	0	0	6.5E1	1.148	22488	10945	Sisma Y SLO	0	15.8	0	0	6.5E1	1.148
22489	10945	Sisma X SLD	13.1	0	0	0	6.5E1	1.148	22490	10945	Sisma Y SLD	0	13.1	0	0	6.5E1	1.148
22491	10946	Sisma X SLV	35.1	0	0	0	7.7E1	1.148	22492	10946	Sisma Y SLV	0	35.1	0	0	7.7E1	1.148
22493	10946	Sisma X SLO	18.7	0	0	0	7.7E1	1.148	22494	10946	Sisma Y SLO	0	18.7	0	0	7.7E1	1.148
22495	10946	Sisma X SLD	15.6	0	0	0	7.7E1	1.148	22496	10946	Sisma Y SLD	0	15.6	0	0	7.7E1	1.148
22497	10947	Sisma X SLV	21.3	0	0	0	4.6E1	1.148	22498	10947	Sisma Y SLV	0	21.3	0	0	4.6E1	1.148
22499	10947	Sisma X SLO	11.4	0	0	0	4.6E1	1.148	22500	10947	Sisma Y SLO	0	11.4	0	0	4.6E1	1.148
22501	10947	Sisma X SLD	9.4	0	0	0	4.6E1	1.148	22502	10947	Sisma Y SLD	0	9.4	0	0	4.6E1	1.148
22503	10948	Sisma X SLV	66.3	0	0	0	1.4E2	1.148	22504	10948	Sisma Y SLV	0	66.3	0	0	1.4E2	1.148
22505	10948	Sisma X SLO	35.3	0	0	0	1.4E2	1.148	22506	10948	Sisma Y SLO	0	35.3	0	0	1.4E2	1.148
22507	10948	Sisma X SLD	29.3	0	0	0	1.4E2	1.148	22508	10948	Sisma Y SLD	0	29.3	0	0	1.4E2	1.148
22509	10949	Sisma X SLV	73.1	0	0	0	1.6E2	1.148	22510	10949	Sisma Y SLV	0	73.1	0	0	1.6E2	1.148
22511	10949	Sisma X SLO	39	0	0	0	1.6E2	1.148	22512	10949	Sisma Y SLO	0	39	0	0	1.6E2	1.148

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
22513	10949	Sisma X SLD	32.4	0	0	0	1.6E2	1.148	22514	10949	Sisma Y SLD	0	32.4	0	0	1.6E2	1.148
22515	10950	Sisma X SLV	71.8	0	0	0	1.6E2	1.148	22516	10950	Sisma Y SLV	0	71.8	0	0	1.6E2	1.148
22517	10950	Sisma X SLO	38.3	0	0	0	1.6E2	1.148	22518	10950	Sisma Y SLO	0	38.3	0	0	1.6E2	1.148
22519	10950	Sisma X SLD	31.8	0	0	0	1.6E2	1.148	22520	10950	Sisma Y SLD	0	31.8	0	0	1.6E2	1.148
22521	10951	Sisma X SLV	47.1	0	0	0	1.0E2	1.148	22522	10951	Sisma Y SLV	0	47.1	0	0	1.0E2	1.148
22523	10951	Sisma X SLO	25.1	0	0	0	1.0E2	1.148	22524	10951	Sisma Y SLO	0	25.1	0	0	1.0E2	1.148
22525	10951	Sisma X SLD	20.9	0	0	0	1.0E2	1.148	22526	10951	Sisma Y SLD	0	20.9	0	0	1.0E2	1.148
22527	10952	Sisma X SLV	70.8	0	0	0	1.5E2	1.148	22528	10952	Sisma Y SLV	0	70.8	0	0	1.5E2	1.148
22529	10952	Sisma X SLO	37.7	0	0	0	1.5E2	1.148	22530	10952	Sisma Y SLO	0	37.7	0	0	1.5E2	1.148
22531	10952	Sisma X SLD	31.3	0	0	0	1.5E2	1.148	22532	10952	Sisma Y SLD	0	31.3	0	0	1.5E2	1.148
22533	10953	Sisma X SLV	73.3	0	0	0	1.6E2	1.148	22534	10953	Sisma Y SLV	0	73.3	0	0	1.6E2	1.148
22535	10953	Sisma X SLO	39.1	0	0	0	1.6E2	1.148	22536	10953	Sisma Y SLO	0	39.1	0	0	1.6E2	1.148
22537	10953	Sisma X SLD	32.5	0	0	0	1.6E2	1.148	22538	10953	Sisma Y SLD	0	32.5	0	0	1.6E2	1.148
22539	10954	Sisma X SLV	73.5	0	0	0	1.6E2	1.149	22540	10954	Sisma Y SLV	0	73.5	0	0	1.6E2	1.149
22541	10954	Sisma X SLO	39.2	0	0	0	1.6E2	1.149	22542	10954	Sisma Y SLO	0	39.2	0	0	1.6E2	1.149
22543	10954	Sisma X SLD	32.5	0	0	0	1.6E2	1.149	22544	10954	Sisma Y SLD	0	32.5	0	0	1.6E2	1.149
22545	10955	Sisma X SLV	58.1	0	0	0	1.3E2	1.149	22546	10955	Sisma Y SLV	0	58.1	0	0	1.3E2	1.149
22547	10955	Sisma X SLO	31	0	0	0	1.3E2	1.149	22548	10955	Sisma Y SLO	0	31	0	0	1.3E2	1.149
22549	10955	Sisma X SLD	25.7	0	0	0	1.3E2	1.149	22550	10955	Sisma Y SLD	0	25.7	0	0	1.3E2	1.149
22551	10956	Sisma X SLV	73.8	0	0	0	1.6E2	1.149	22552	10956	Sisma Y SLV	0	73.8	0	0	1.6E2	1.149
22553	10956	Sisma X SLO	39.3	0	0	0	1.6E2	1.149	22554	10956	Sisma Y SLO	0	39.3	0	0	1.6E2	1.149
22555	10956	Sisma X SLD	32.6	0	0	0	1.6E2	1.149	22556	10956	Sisma Y SLD	0	32.6	0	0	1.6E2	1.149
22557	10957	Sisma X SLV	74.1	0	0	0	1.6E2	1.149	22558	10957	Sisma Y SLV	0	74.1	0	0	1.6E2	1.149
22559	10957	Sisma X SLO	39.5	0	0	0	1.6E2	1.149	22560	10957	Sisma Y SLO	0	39.5	0	0	1.6E2	1.149
22561	10957	Sisma X SLD	32.8	0	0	0	1.6E2	1.149	22562	10957	Sisma Y SLD	0	32.8	0	0	1.6E2	1.149
22563	10958	Sisma X SLV	74.4	0	0	0	1.6E2	1.15	22564	10958	Sisma Y SLV	0	74.4	0	0	1.6E2	1.15
22565	10958	Sisma X SLO	39.6	0	0	0	1.6E2	1.15	22566	10958	Sisma Y SLO	0	39.6	0	0	1.6E2	1.15
22567	10958	Sisma X SLD	32.9	0	0	0	1.6E2	1.15	22568	10958	Sisma Y SLD	0	32.9	0	0	1.6E2	1.15
22569	10959	Sisma X SLV	74.5	0	0	0	1.6E2	1.15	22570	10959	Sisma Y SLV	0	74.5	0	0	1.6E2	1.15
22571	10959	Sisma X SLO	39.7	0	0	0	1.6E2	1.15	22572	10959	Sisma Y SLO	0	39.7	0	0	1.6E2	1.15
22573	10959	Sisma X SLD	33	0	0	0	1.6E2	1.15	22574	10959	Sisma Y SLD	0	33	0	0	1.6E2	1.15
22575	10960	Sisma X SLV	55.5	0	0	0	1.2E2	1.15	22576	10960	Sisma Y SLV	0	55.5	0	0	1.2E2	1.15
22577	10960	Sisma X SLO	29.6	0	0	0	1.2E2	1.15	22578	10960	Sisma Y SLO	0	29.6	0	0	1.2E2	1.15
22579	10960	Sisma X SLD	24.6	0	0	0	1.2E2	1.15	22580	10960	Sisma Y SLD	0	24.6	0	0	1.2E2	1.15
22581	10961	Sisma X SLV	74.4	0	0	0	1.6E2	1.15	22582	10961	Sisma Y SLV	0	74.4	0	0	1.6E2	1.15
22583	10961	Sisma X SLO	39.7	0	0	0	1.6E2	1.15	22584	10961	Sisma Y SLO	0	39.7	0	0	1.6E2	1.15
22585	10961	Sisma X SLD	32.9	0	0	0	1.6E2	1.15	22586	10961	Sisma Y SLD	0	32.9	0	0	1.6E2	1.15
22587	10962	Sisma X SLV	50.9	0	0	0	1.1E2	1.151	22588	10962	Sisma Y SLV	0	50.9	0	0	1.1E2	1.151
22589	10962	Sisma X SLO	27.1	0	0	0	1.1E2	1.151	22590	10962	Sisma Y SLO	0	27.1	0	0	1.1E2	1.151
22591	10962	Sisma X SLD	22.5	0	0	0	1.1E2	1.151	22592	10962	Sisma Y SLD	0	22.5	0	0	1.1E2	1.151
22593	10963	Sisma X SLV	58.8	0	0	0	1.3E2	1.151	22594	10963	Sisma Y SLV	0	58.8	0	0	1.3E2	1.151
22595	10963	Sisma X SLO	31.4	0	0	0	1.3E2	1.151	22596	10963	Sisma Y SLO	0	31.4	0	0	1.3E2	1.151
22597	10963	Sisma X SLD	26	0	0	0	1.3E2	1.151	22598	10963	Sisma Y SLD	0	26	0	0	1.3E2	1.151
22599	10964	Sisma X SLV	51	0	0	0	1.1E2	1.151	22600	10964	Sisma Y SLV	0	51	0	0	1.1E2	1.151
22601	10964	Sisma X SLO	27.2	0	0	0	1.1E2	1.151	22602	10964	Sisma Y SLO	0	27.2	0	0	1.1E2	1.151
22603	10964	Sisma X SLD	22.6	0	0	0	1.1E2	1.151	22604	10964	Sisma Y SLD	0	22.6	0	0	1.1E2	1.151
22605	10965	Sisma X SLV	73.9	0	0	0	1.6E2	1.151	22606	10965	Sisma Y SLV	0	73.9	0	0	1.6E2	1.151
22607	10965	Sisma X SLO	39.4	0	0	0	1.6E2	1.151	22608	10965	Sisma Y SLO	0	39.4	0	0	1.6E2	1.151
22609	10965	Sisma X SLD	32.7	0	0	0	1.6E2	1.151	22610	10965	Sisma Y SLD	0	32.7	0	0	1.6E2	1.151
22611	10966	Sisma X SLV	72.9	0	0	0	1.6E2	1.152	22612	10966	Sisma Y SLV	0	72.9	0	0	1.6E2	1.152
22613	10966	Sisma X SLO	38.9	0	0	0	1.6E2	1.152	22614	10966	Sisma Y SLO	0	38.9	0	0	1.6E2	1.152
22615	10966	Sisma X SLD	32.3	0	0	0	1.6E2	1.152	22616	10966	Sisma Y SLD	0	32.3	0	0	1.6E2	1.152
22617	10967	Sisma X SLV	70.1	0	0	0	1.5E2	1.152	22618	10967	Sisma Y SLV	0	70.1	0	0	1.5E2	1.152
22619	10967	Sisma X SLO	37.4	0	0	0	1.5E2	1.152	22620	10967	Sisma Y SLO	0	37.4	0	0	1.5E2	1.152
22621	10967	Sisma X SLD	31	0	0	0	1.5E2	1.152	22622	10967	Sisma Y SLD	0	31	0	0	1.5E2	1.152
22623	10968	Sisma X SLV	68.3	0	0	0	1.5E2	1.152	22624	10968	Sisma Y SLV	0	68.3	0	0	1.5E2	1.152
22625	10968	Sisma X SLO	36.4	0	0	0	1.5E2	1.152	22626	10968	Sisma Y SLO	0	36.4	0	0	1.5E2	1.152
22627	10968	Sisma X SLD	30.2	0	0	0	1.5E2	1.152	22628	10968	Sisma Y SLD	0	30.2	0	0	1.5E2	1.152
22629	10969	Sisma X SLV	71.6	0	0	0	1.6E2	1.152	22630	10969	Sisma Y SLV	0	71.6	0	0	1.6E2	1.152
22631	10969	Sisma X SLO	38.2	0	0	0	1.6E2	1.152	22632	10969	Sisma Y SLO	0	38.2	0	0	1.6E2	1.152
22633	10969	Sisma X SLD	31.7	0	0	0	1.6E2	1.152	22634	10969	Sisma Y SLD	0	31.7	0	0	1.6E2	1.152
22635	10970	Sisma X SLV	80.7	0	0	0	1.8E2	1.153	22636	10970	Sisma Y SLV	0	80.7	0	0	1.8E2	1.153
22637	10970	Sisma X SLO	43	0	0	0	1.8E2	1.153	22638	10970	Sisma Y SLO	0	43	0	0	1.8E2	1.153
22639	10970	Sisma X SLD	35.7	0	0	0	1.8E2	1.153	22640	10970	Sisma Y SLD	0	35.7	0	0	1.8E2	1.153
22641	10971	Sisma X SLV	70.1	0	0	0	1.5E2	1.154	22642	10971	Sisma Y SLV	0	70.1	0	0	1.5E2	1.154
22643	10971	Sisma X SLO	37.4	0	0	0	1.5E2	1.154	22644	10971	Sisma Y SLO	0	37.4	0	0	1.5E2	1.154
22645	10971	Sisma X SLD	31	0	0	0	1.5E2	1.154	22646	10971	Sisma Y SLD	0	31	0	0	1.5E2	1.154
22647	10972	Sisma X SLV	61.8	0	0	0	1.3E2	1.154	22648	10972	Sisma Y SLV	0	61.8	0	0	1.3E2	1.154
22649	10972	Sisma X SLO	33	0	0	0	1.3E2	1.154	22650	10972	Sisma Y SLO	0	33	0	0	1.3E2	1.154
22651	10972	Sisma X SLD	27.4	0	0	0	1.3E2	1.154	22652	10972	Sisma Y SLD	0	27.4	0	0	1.3E2	1.154
22653	10973	Sisma X SLV	64.2	0	0	0	1.4E2	1.155	22654	10973	Sisma Y SLV	0	64.2	0	0	1.4E2	1.155
22655	10973	Sisma X SLO	34.2	0	0	0	1.4E2	1.155	22656	10973	Sisma Y SLO	0	34.2	0	0	1.4E2	1.155
22657	10973	Sisma X SLD	28.4	0	0	0	1.4E2	1.155	22658	10973	Sisma Y SLD	0	28.4	0	0	1.4E2	1.155
22659	10974	Sisma X SLV	68.9	0	0	0	1.5E2	1.155	22660	10974	Sisma Y SLV	0	68.9	0	0	1.5E2	1.155
22661	10974	Sisma X SLO	36.7	0	0	0	1.5E2	1.155	22662	10974	Sisma Y SLO	0	36.7	0	0	1.5E2	1.155
22663	10974	Sisma X SLD	30.5	0	0	0	1.5E2	1.155	22664	10974	Sisma Y SLD	0	30.5	0	0	1.5E2	1.155
22665	10975	Sisma X SLV	68.4	0	0	0	1.5E2	1.158	22666	10975	Sisma Y SLV	0	68.4	0	0	1.5E2	1.158
22667	10975	Sisma X SLO	36.5	0	0	0	1.5E2	1.158	22668	10975	Sisma Y SLO	0	36.5	0	0	1.5E2	1.158
22669	10975	Sisma X SLD	30.3	0	0	0	1.5E2	1.158	22670	10975	Sisma Y SLD	0	30.3	0	0	1.5E2	1.158
22671	10976	Sisma X SLV	77	0	0	0	1.7E2	1.158	22672	10976	Sisma Y SLV	0	77	0	0	1.7E2	1.158
22673	10976	Sisma X SLO	41	0	0	0	1.7E2	1.158	22674	10976	Sisma Y SLO	0	41	0	0	1.7E2	1.158
22675	10976	Sisma X SLD	34.1	0	0	0	1.7E2	1.158	22676	10976	Sisma Y SLD	0	34.1	0	0	1.7E2	1.158
22677	10977	Sisma X SLV	41.4	0	0	0	9.0E1	1.158	22678	10977	Sisma Y SLV	0	41.4	0	0	9.0E1	1.158
22679	10977	Sisma X SLO	22.1	0	0	0	9.0E1	1.158	22680	10977	Sisma Y SLO	0	22.1	0	0	9.0E1	1.158
22681	10977	Sisma X SLD	18.3	0	0	0	9.0E1	1.158	22682	10977	Sisma Y SLD	0	18.3	0	0	9.0E1	1.158
22683	10978	Sisma X SLV	78	0	0	0	1.7E2	1.158	22684	10978	Sisma Y SLV	0	78	0	0	1.7E2	1.158
22685	10978	Sisma X SLO	41.6	0	0	0	1.7E2	1.158	22686	10978	Sisma Y SLO	0	41.6	0	0	1.7E2	1.158
22687	10978	Sisma X SLD	34.5	0	0	0	1.7E2	1.158	22688	10978	Sisma Y SLD	0	34.5	0	0	1.7E2	1.158
22689	10979	Sisma X SLV	78.7	0	0	0	1.7E2	1.158	22690	10979	Sisma Y SLV	0	78.7	0	0	1.7E2	1.158
22691	10979	Sisma X SLO	41.9	0	0	0	1.7E2	1.158	22692	10979	Sisma Y SLO	0	41.9	0	0	1.7E2	1.158
22693	10979	Sisma X SLD	34.8	0	0	0	1.7E2	1.158	22694	10979	Sisma Y SLD	0	34.8	0	0	1.7E2	1.158
22695	10980	Sisma X SLV	49.7	0	0	0	1.1E2	1.159	22696	10980	Sisma Y SLV	0	49.7	0	0	1.1E2	1.159
22697	10980	Sisma X SLO	26.5	0	0	0	1.1E2	1.159	22698	10980	Sisma Y SLO	0	26.5	0	0	1.1E2	1.159
22699	10980	Sisma X SLD	22	0	0	0	1.1E2	1.159	22700	10980	Sisma Y SLD	0	22	0	0	1.1E2	1.159
22701	10981	Sisma X SLV	55.7	0	0	0	1.2E2	1.16	22702	10981	Sisma Y SLV	0	55.7	0	0	1.2E2	1.16
22703	10981	Sisma X SLO	29.7	0	0	0	1.2E2	1.16	22704	10981	Sisma Y SLO	0	29.7	0	0	1.2E2	1.16
22705	10981	Sisma X SLD	24.7	0	0	0	1.2E2	1.16	22706	10981	Sisma Y SLD	0	24.7	0	0	1.2E2	1.16
22707	10982	Sisma X SLV	68.5	0	0	0	1.5E2	1.16	22708	10982	Sisma Y SLV	0	68.5	0	0	1.5E2	1.16
22709	10982	Sisma X SLO	36.5	0	0	0	1.5E2	1.16	22710	10982	Sisma Y SLO	0	36.5	0	0	1.5E2	1.16
22711	10982	Sisma X SLD	30.3	0	0	0	1.5E2	1.16	22712	10982	Sisma Y SLD	0	30.3	0	0	1.5E2	1.16

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
22713	10983	Sisma X SLV	65.8	0	0	0	1.4E2	1.16	22714	10983	Sisma Y SLV	0	65.8	0	0	1.4E2	1.16
22715	10983	Sisma X SLO	35.1	0	0	0	1.4E2	1.16	22716	10983	Sisma Y SLO	0	35.1	0	0	1.4E2	1.16
22717	10983	Sisma X SLD	29.1	0	0	0	1.4E2	1.16	22718	10983	Sisma Y SLD	0	29.1	0	0	1.4E2	1.16
22719	10984	Sisma X SLV	68.1	0	0	0	1.5E2	1.16	22720	10984	Sisma Y SLV	0	68.1	0	0	1.5E2	1.16
22721	10984	Sisma X SLO	36.3	0	0	0	1.5E2	1.16	22722	10984	Sisma Y SLO	0	36.3	0	0	1.5E2	1.16
22723	10984	Sisma X SLD	30.1	0	0	0	1.5E2	1.16	22724	10984	Sisma Y SLD	0	30.1	0	0	1.5E2	1.16
22725	10985	Sisma X SLV	57	0	0	0	1.2E2	1.161	22726	10985	Sisma Y SLV	0	57	0	0	1.2E2	1.161
22727	10985	Sisma X SLO	30.4	0	0	0	1.2E2	1.161	22728	10985	Sisma Y SLO	0	30.4	0	0	1.2E2	1.161
22729	10985	Sisma X SLD	25.2	0	0	0	1.2E2	1.161	22730	10985	Sisma Y SLD	0	25.2	0	0	1.2E2	1.161
22731	10986	Sisma X SLV	34	0	0	0	73.19	1.161	22732	10986	Sisma Y SLV	0	34	0	0	73.19	1.161
22733	10986	Sisma X SLO	18.1	0	0	0	73.19	1.161	22734	10986	Sisma Y SLO	0	18.1	0	0	73.19	1.161
22735	10986	Sisma X SLD	15	0	0	0	73.19	1.161	22736	10986	Sisma Y SLD	0	15	0	0	73.19	1.161
22737	10987	Sisma X SLV	41.4	0	0	0	8.9E1	1.161	22738	10987	Sisma Y SLV	0	41.4	0	0	8.9E1	1.161
22739	10987	Sisma X SLO	22.1	0	0	0	8.9E1	1.161	22740	10987	Sisma Y SLO	0	22.1	0	0	8.9E1	1.161
22741	10987	Sisma X SLD	18.3	0	0	0	8.9E1	1.161	22742	10987	Sisma Y SLD	0	18.3	0	0	8.9E1	1.161
22743	10988	Sisma X SLV	31.6	0	0	0	6.8E1	1.165	22744	10988	Sisma Y SLV	0	31.6	0	0	6.8E1	1.165
22745	10988	Sisma X SLO	16.9	0	0	0	6.8E1	1.165	22746	10988	Sisma Y SLO	0	16.9	0	0	6.8E1	1.165
22747	10988	Sisma X SLD	14	0	0	0	6.8E1	1.165	22748	10988	Sisma Y SLD	0	14	0	0	6.8E1	1.165
22749	10989	Sisma X SLV	85.5	0	0	0	1.8E2	1.177	22750	10989	Sisma Y SLV	0	85.5	0	0	1.8E2	1.177
22751	10989	Sisma X SLO	45.6	0	0	0	1.8E2	1.177	22752	10989	Sisma Y SLO	0	45.6	0	0	1.8E2	1.177
22753	10989	Sisma X SLD	37.8	0	0	0	1.8E2	1.177	22754	10989	Sisma Y SLD	0	37.8	0	0	1.8E2	1.177
22755	10990	Sisma X SLV	91.9	0	0	0	2.0E2	1.177	22756	10990	Sisma Y SLV	0	91.9	0	0	2.0E2	1.177
22757	10990	Sisma X SLO	49	0	0	0	2.0E2	1.177	22758	10990	Sisma Y SLO	0	49	0	0	2.0E2	1.177
22759	10990	Sisma X SLD	40.7	0	0	0	2.0E2	1.177	22760	10990	Sisma Y SLD	0	40.7	0	0	2.0E2	1.177
22761	10991	Sisma X SLV	93.6	0	0	0	2.0E2	1.191	22762	10991	Sisma Y SLV	0	93.6	0	0	2.0E2	1.191
22763	10991	Sisma X SLO	49.9	0	0	0	2.0E2	1.191	22764	10991	Sisma Y SLO	0	49.9	0	0	2.0E2	1.191
22765	10991	Sisma X SLD	41.4	0	0	0	2.0E2	1.191	22766	10991	Sisma Y SLD	0	41.4	0	0	2.0E2	1.191
22767	10992	Sisma X SLV	20.2	0	0	0	42.08	1.203	22768	10992	Sisma Y SLV	0	20.2	0	0	42.08	1.203
22769	10992	Sisma X SLO	10.8	0	0	0	42.08	1.203	22770	10992	Sisma Y SLO	0	10.8	0	0	42.08	1.203
22771	10992	Sisma X SLD	9	0	0	0	42.08	1.203	22772	10992	Sisma Y SLD	0	9	0	0	42.08	1.203
22773	10993	Sisma X SLV	20.4	0	0	0	4.2E1	1.204	22774	10993	Sisma Y SLV	0	20.4	0	0	4.2E1	1.204
22775	10993	Sisma X SLO	10.9	0	0	0	4.2E1	1.204	22776	10993	Sisma Y SLO	0	10.9	0	0	4.2E1	1.204
22777	10993	Sisma X SLD	9	0	0	0	4.2E1	1.204	22778	10993	Sisma Y SLD	0	9	0	0	4.2E1	1.204
22779	10994	Sisma X SLV	24.8	0	0	0	5.2E1	1.205	22780	10994	Sisma Y SLV	0	24.8	0	0	5.2E1	1.205
22781	10994	Sisma X SLO	13.2	0	0	0	5.2E1	1.205	22782	10994	Sisma Y SLO	0	13.2	0	0	5.2E1	1.205
22783	10994	Sisma X SLD	11	0	0	0	5.2E1	1.205	22784	10994	Sisma Y SLD	0	11	0	0	5.2E1	1.205
22785	10995	Sisma X SLV	30.9	0	0	0	64.06	1.207	22786	10995	Sisma Y SLV	0	30.9	0	0	64.06	1.207
22787	10995	Sisma X SLO	16.5	0	0	0	64.06	1.207	22788	10995	Sisma Y SLO	0	16.5	0	0	64.06	1.207
22789	10995	Sisma X SLD	13.7	0	0	0	64.06	1.207	22790	10995	Sisma Y SLD	0	13.7	0	0	64.06	1.207
22791	10996	Sisma X SLV	30.7	0	0	0	6.4E1	1.207	22792	10996	Sisma Y SLV	0	30.7	0	0	6.4E1	1.207
22793	10996	Sisma X SLO	16.4	0	0	0	6.4E1	1.207	22794	10996	Sisma Y SLO	0	16.4	0	0	6.4E1	1.207
22795	10996	Sisma X SLD	13.6	0	0	0	6.4E1	1.207	22796	10996	Sisma Y SLD	0	13.6	0	0	6.4E1	1.207
22797	10997	Sisma X SLV	37.2	0	0	0	7.7E1	1.208	22798	10997	Sisma Y SLV	0	37.2	0	0	7.7E1	1.208
22799	10997	Sisma X SLO	19.8	0	0	0	7.7E1	1.208	22800	10997	Sisma Y SLO	0	19.8	0	0	7.7E1	1.208
22801	10997	Sisma X SLD	16.4	0	0	0	7.7E1	1.208	22802	10997	Sisma Y SLD	0	16.4	0	0	7.7E1	1.208
22803	10998	Sisma X SLV	38.6	0	0	0	8.0E1	1.212	22804	10998	Sisma Y SLV	0	38.6	0	0	8.0E1	1.212
22805	10998	Sisma X SLO	20.6	0	0	0	8.0E1	1.212	22806	10998	Sisma Y SLO	0	20.6	0	0	8.0E1	1.212
22807	10998	Sisma X SLD	17.1	0	0	0	8.0E1	1.212	22808	10998	Sisma Y SLD	0	17.1	0	0	8.0E1	1.212
22809	10999	Sisma X SLV	38.5	0	0	0	8.0E1	1.213	22810	10999	Sisma Y SLV	0	38.5	0	0	8.0E1	1.213
22811	10999	Sisma X SLO	20.6	0	0	0	8.0E1	1.213	22812	10999	Sisma Y SLO	0	20.6	0	0	8.0E1	1.213
22813	10999	Sisma X SLD	17.1	0	0	0	8.0E1	1.213	22814	10999	Sisma Y SLD	0	17.1	0	0	8.0E1	1.213
22815	11000	Sisma X SLV	37.2	0	0	0	7.7E1	1.213	22816	11000	Sisma Y SLV	0	37.2	0	0	7.7E1	1.213
22817	11000	Sisma X SLO	19.8	0	0	0	7.7E1	1.213	22818	11000	Sisma Y SLO	0	19.8	0	0	7.7E1	1.213
22819	11000	Sisma X SLD	16.4	0	0	0	7.7E1	1.213	22820	11000	Sisma Y SLD	0	16.4	0	0	7.7E1	1.213
22821	11001	Sisma X SLV	38.6	0	0	0	8.0E1	1.213	22822	11001	Sisma Y SLV	0	38.6	0	0	8.0E1	1.213
22823	11001	Sisma X SLO	20.6	0	0	0	8.0E1	1.213	22824	11001	Sisma Y SLO	0	20.6	0	0	8.0E1	1.213
22825	11001	Sisma X SLD	17.1	0	0	0	8.0E1	1.213	22826	11001	Sisma Y SLD	0	17.1	0	0	8.0E1	1.213
22827	11002	Sisma X SLV	43.7	0	0	0	9.0E1	1.215	22828	11002	Sisma Y SLV	0	43.7	0	0	9.0E1	1.215
22829	11002	Sisma X SLO	23.3	0	0	0	9.0E1	1.215	22830	11002	Sisma Y SLO	0	23.3	0	0	9.0E1	1.215
22831	11002	Sisma X SLD	19.3	0	0	0	9.0E1	1.215	22832	11002	Sisma Y SLD	0	19.3	0	0	9.0E1	1.215
22833	11003	Sisma X SLV	41	0	0	0	84.29	1.216	22834	11003	Sisma Y SLV	0	41	0	0	84.29	1.216
22835	11003	Sisma X SLO	21.8	0	0	0	84.29	1.216	22836	11003	Sisma Y SLO	0	21.8	0	0	84.29	1.216
22837	11003	Sisma X SLD	18.1	0	0	0	84.29	1.216	22838	11003	Sisma Y SLD	0	18.1	0	0	84.29	1.216
22839	11004	Sisma X SLV	48.7	0	0	0	1.0E2	1.216	22840	11004	Sisma Y SLV	0	48.7	0	0	1.0E2	1.216
22841	11004	Sisma X SLO	26	0	0	0	1.0E2	1.216	22842	11004	Sisma Y SLO	0	26	0	0	1.0E2	1.216
22843	11004	Sisma X SLD	21.5	0	0	0	1.0E2	1.216	22844	11004	Sisma Y SLD	0	21.5	0	0	1.0E2	1.216
22845	11005	Sisma X SLV	48.5	0	0	0	1.0E2	1.216	22846	11005	Sisma Y SLV	0	48.5	0	0	1.0E2	1.216
22847	11005	Sisma X SLO	25.9	0	0	0	1.0E2	1.216	22848	11005	Sisma Y SLO	0	25.9	0	0	1.0E2	1.216
22849	11005	Sisma X SLD	21.5	0	0	0	1.0E2	1.216	22850	11005	Sisma Y SLD	0	21.5	0	0	1.0E2	1.216
22851	11006	Sisma X SLV	44.7	0	0	0	9.2E1	1.216	22852	11006	Sisma Y SLV	0	44.7	0	0	9.2E1	1.216
22853	11006	Sisma X SLO	23.8	0	0	0	9.2E1	1.216	22854	11006	Sisma Y SLO	0	23.8	0	0	9.2E1	1.216
22855	11006	Sisma X SLD	19.8	0	0	0	9.2E1	1.216	22856	11006	Sisma Y SLD	0	19.8	0	0	9.2E1	1.216
22857	11007	Sisma X SLV	46.3	0	0	0	9.5E1	1.218	22858	11007	Sisma Y SLV	0	46.3	0	0	9.5E1	1.218
22859	11007	Sisma X SLO	24.7	0	0	0	9.5E1	1.218	22860	11007	Sisma Y SLO	0	24.7	0	0	9.5E1	1.218
22861	11007	Sisma X SLD	20.5	0	0	0	9.5E1	1.218	22862	11007	Sisma Y SLD	0	20.5	0	0	9.5E1	1.218
22863	11008	Sisma X SLV	43.9	0	0	0	9.0E1	1.22	22864	11008	Sisma Y SLV	0	43.9	0	0	9.0E1	1.22
22865	11008	Sisma X SLO	23.4	0	0	0	9.0E1	1.22	22866	11008	Sisma Y SLO	0	23.4	0	0	9.0E1	1.22
22867	11008	Sisma X SLD	19.4	0	0	0	9.0E1	1.22	22868	11008	Sisma Y SLD	0	19.4	0	0	9.0E1	1.22
22869	11009	Sisma X SLV	41.3	0	0	0	8.5E1	1.22	22870	11009	Sisma Y SLV	0	41.3	0	0	8.5E1	1.22
22871	11009	Sisma X SLO	22	0	0	0	8.5E1	1.22	22872	11009	Sisma Y SLO	0	22	0	0	8.5E1	1.22
22873	11009	Sisma X SLD	18.3	0	0	0	8.5E1	1.22	22874	11009	Sisma Y SLD	0	18.3	0	0	8.5E1	1.22
22875	11010	Sisma X SLV	48.5	0	0	0	9.9E1	1.22	22876	11010	Sisma Y SLV	0	48.5	0	0	9.9E1	1.22
22877	11010	Sisma X SLO	25.8	0	0	0	9.9E1	1.22	22878	11010	Sisma Y SLO	0	25.8	0	0	9.9E1	1.22
22879	11010	Sisma X SLD	21.4	0	0	0	9.9E1	1.22	22880	11010	Sisma Y SLD	0	21.4	0	0	9.9E1	1.22
22881	11011	Sisma X SLV	44	0	0	0	9.0E1	1.22	22882	11011	Sisma Y SLV	0	44	0	0	9.0E1	1.22
22883	11011	Sisma X SLO	23.5	0	0	0	9.0E1	1.22	22884	11011	Sisma Y SLO	0	23.5	0	0	9.0E1	1.22
22885	11011	Sisma X SLD	19.5	0	0	0	9.0E1	1.22	22886	11011	Sisma Y SLD	0	19.5	0	0	9.0E1	1.22
22887	11012	Sisma X SLV	49	0	0	0	1.0E2	1.221	22888	11012	Sisma Y SLV	0	49	0	0	1.0E2	1.221
22889	11012	Sisma X SLO	26.1	0	0	0	1.0E2	1.221	22890	11012	Sisma Y SLO	0	26.1	0	0	1.0E2	1.221
22891	11012	Sisma X SLD	21.7	0	0	0	1.0E2	1.221	22892	11012	Sisma Y SLD	0	21.7	0	0	1.0E2	1.221
22893	11013	Sisma X SLV	48.7	0	0	0	1.0E2	1.221	22894	11013	Sisma Y SLV	0	48.7	0	0	1.0E2	1.221
22895	11013	Sisma X SLO	26	0	0	0	1.0E2	1.221	22896	11013	Sisma Y SLO	0	26	0	0	1.0E2	1.221
22897	11013	Sisma X SLD	21.6	0	0	0	1.0E2	1.221	22898	11013	Sisma Y SLD	0	21.6	0	0	1.0E2	1.221
22899	11014	Sisma X SLV	52.5	0	0	0	1.1E2	1.221	22900	11014	Sisma Y SLV	0	52.5	0	0	1.1E2	1.221
22901	11014	Sisma X SLO	28	0	0	0	1.1E2	1.221	22902	11014	Sisma Y SLO	0	28	0	0	1.1E2	1.221
22903	11014	Sisma X SLD	23.2	0	0	0	1.1E2	1.221	22904	11014	Sisma Y SLD	0	23.2	0	0	1.1E2	1.221
22905	11015	Sisma X SLV	90.7	0	0	0	1.9E2	1.221	22906	11015	Sisma Y SLV	0	90.7	0	0	1.9E2	1.221
22907	11015	Sisma X SLO	48.4	0	0	0	1.9E2	1.221	22908	11015	Sisma Y SLO	0	48.4	0	0	1.9E2	1.221
22909	11015	Sisma X SLD	40.1	0	0	0	1.9E2	1.221	22910	11015	Sisma Y SLD	0	40.1	0	0	1.9E2	1.221
22911	11016	Sisma X SLV	59.7	0	0	0	1.2E2	1.221	22912	11016	Sisma Y SLV	0	59.7	0	0	1.2E2	1.221

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
22913	11016	Sisma X SLO	31.9	0	0	0	1.2E2	1.221	22914	11016	Sisma Y SLO	0	31.9	0	0	1.2E2	1.221
22915	11016	Sisma X SLD	26.4	0	0	0	1.2E2	1.221	22916	11016	Sisma Y SLD	0	26.4	0	0	1.2E2	1.221
22917	11017	Sisma X SLV	63.1	0	0	0	1.3E2	1.221	22918	11017	Sisma Y SLV	0	63.1	0	0	1.3E2	1.221
22919	11017	Sisma X SLO	33.6	0	0	0	1.3E2	1.221	22920	11017	Sisma Y SLO	0	33.6	0	0	1.3E2	1.221
22921	11017	Sisma X SLD	27.9	0	0	0	1.3E2	1.221	22922	11017	Sisma Y SLD	0	27.9	0	0	1.3E2	1.221
22923	11018	Sisma X SLV	41.4	0	0	0	8.5E1	1.221	22924	11018	Sisma Y SLV	0	41.4	0	0	8.5E1	1.221
22925	11018	Sisma X SLO	22.1	0	0	0	8.5E1	1.221	22926	11018	Sisma Y SLO	0	22.1	0	0	8.5E1	1.221
22927	11018	Sisma X SLD	18.3	0	0	0	8.5E1	1.221	22928	11018	Sisma Y SLD	0	18.3	0	0	8.5E1	1.221
22929	11019	Sisma X SLV	77	0	0	0	1.6E2	1.221	22930	11019	Sisma Y SLV	0	77	0	0	1.6E2	1.221
22931	11019	Sisma X SLO	41	0	0	0	1.6E2	1.221	22932	11019	Sisma Y SLO	0	41	0	0	1.6E2	1.221
22933	11019	Sisma X SLD	34.1	0	0	0	1.6E2	1.221	22934	11019	Sisma Y SLD	0	34.1	0	0	1.6E2	1.221
22935	11020	Sisma X SLV	45.2	0	0	0	9.3E1	1.222	22936	11020	Sisma Y SLV	0	45.2	0	0	9.3E1	1.222
22937	11020	Sisma X SLO	24.1	0	0	0	9.3E1	1.222	22938	11020	Sisma Y SLO	0	24.1	0	0	9.3E1	1.222
22939	11020	Sisma X SLD	20	0	0	0	9.3E1	1.222	22940	11020	Sisma Y SLD	0	20	0	0	9.3E1	1.222
22941	11021	Sisma X SLV	33.7	0	0	0	6.9E1	1.222	22942	11021	Sisma Y SLV	0	33.7	0	0	6.9E1	1.222
22943	11021	Sisma X SLO	18	0	0	0	6.9E1	1.222	22944	11021	Sisma Y SLO	0	18	0	0	6.9E1	1.222
22945	11021	Sisma X SLD	14.9	0	0	0	6.9E1	1.222	22946	11021	Sisma Y SLD	0	14.9	0	0	6.9E1	1.222
22947	11022	Sisma X SLV	48.1	0	0	0	9.9E1	1.222	22948	11022	Sisma Y SLV	0	48.1	0	0	9.9E1	1.222
22949	11022	Sisma X SLO	25.6	0	0	0	9.9E1	1.222	22950	11022	Sisma Y SLO	0	25.6	0	0	9.9E1	1.222
22951	11022	Sisma X SLD	21.3	0	0	0	9.9E1	1.222	22952	11022	Sisma Y SLD	0	21.3	0	0	9.9E1	1.222
22953	11023	Sisma X SLV	50.6	0	0	0	1.0E2	1.222	22954	11023	Sisma Y SLV	0	50.6	0	0	1.0E2	1.222
22955	11023	Sisma X SLO	27	0	0	0	1.0E2	1.222	22956	11023	Sisma Y SLO	0	27	0	0	1.0E2	1.222
22957	11023	Sisma X SLD	22.4	0	0	0	1.0E2	1.222	22958	11023	Sisma Y SLD	0	22.4	0	0	1.0E2	1.222
22959	11024	Sisma X SLV	47.8	0	0	0	9.8E1	1.222	22960	11024	Sisma Y SLV	0	47.8	0	0	9.8E1	1.222
22961	11024	Sisma X SLO	25.5	0	0	0	9.8E1	1.222	22962	11024	Sisma Y SLO	0	25.5	0	0	9.8E1	1.222
22963	11024	Sisma X SLD	21.2	0	0	0	9.8E1	1.222	22964	11024	Sisma Y SLD	0	21.2	0	0	9.8E1	1.222
22965	11025	Sisma X SLV	45.3	0	0	0	9.3E1	1.222	22966	11025	Sisma Y SLV	0	45.3	0	0	9.3E1	1.222
22967	11025	Sisma X SLO	24.2	0	0	0	9.3E1	1.222	22968	11025	Sisma Y SLO	0	24.2	0	0	9.3E1	1.222
22969	11025	Sisma X SLD	20.1	0	0	0	9.3E1	1.222	22970	11025	Sisma Y SLD	0	20.1	0	0	9.3E1	1.222
22971	11026	Sisma X SLV	46.1	0	0	0	9.4E1	1.222	22972	11026	Sisma Y SLV	0	46.1	0	0	9.4E1	1.222
22973	11026	Sisma X SLO	24.6	0	0	0	9.4E1	1.222	22974	11026	Sisma Y SLO	0	24.6	0	0	9.4E1	1.222
22975	11026	Sisma X SLD	20.4	0	0	0	9.4E1	1.222	22976	11026	Sisma Y SLD	0	20.4	0	0	9.4E1	1.222
22977	11027	Sisma X SLV	56.4	0	0	0	1.2E2	1.222	22978	11027	Sisma Y SLV	0	56.4	0	0	1.2E2	1.222
22979	11027	Sisma X SLO	30	0	0	0	1.2E2	1.222	22980	11027	Sisma Y SLO	0	30	0	0	1.2E2	1.222
22981	11027	Sisma X SLD	24.9	0	0	0	1.2E2	1.222	22982	11027	Sisma Y SLD	0	24.9	0	0	1.2E2	1.222
22983	11028	Sisma X SLV	77.1	0	0	0	1.6E2	1.222	22984	11028	Sisma Y SLV	0	77.1	0	0	1.6E2	1.222
22985	11028	Sisma X SLO	41.1	0	0	0	1.6E2	1.222	22986	11028	Sisma Y SLO	0	41.1	0	0	1.6E2	1.222
22987	11028	Sisma X SLD	34.1	0	0	0	1.6E2	1.222	22988	11028	Sisma Y SLD	0	34.1	0	0	1.6E2	1.222
22989	11029	Sisma X SLV	45.7	0	0	0	93.55	1.222	22990	11029	Sisma Y SLV	0	45.7	0	0	93.55	1.222
22991	11029	Sisma X SLO	24.4	0	0	0	93.55	1.222	22992	11029	Sisma Y SLO	0	24.4	0	0	93.55	1.222
22993	11029	Sisma X SLD	20.2	0	0	0	93.55	1.222	22994	11029	Sisma Y SLD	0	20.2	0	0	93.55	1.222
22995	11030	Sisma X SLV	73.7	0	0	0	1.5E2	1.222	22996	11030	Sisma Y SLV	0	73.7	0	0	1.5E2	1.222
22997	11030	Sisma X SLO	39.3	0	0	0	1.5E2	1.222	22998	11030	Sisma Y SLO	0	39.3	0	0	1.5E2	1.222
22999	11030	Sisma X SLD	32.6	0	0	0	1.5E2	1.222	23000	11030	Sisma Y SLD	0	32.6	0	0	1.5E2	1.222
23001	11031	Sisma X SLV	108.2	0	0	0	2.2E2	1.222	23002	11031	Sisma Y SLV	0	108.2	0	0	2.2E2	1.222
23003	11031	Sisma X SLO	57.7	0	0	0	2.2E2	1.222	23004	11031	Sisma Y SLO	0	57.7	0	0	2.2E2	1.222
23005	11031	Sisma X SLD	47.9	0	0	0	2.2E2	1.222	23006	11031	Sisma Y SLD	0	47.9	0	0	2.2E2	1.222
23007	11032	Sisma X SLV	50.2	0	0	0	1.0E2	1.222	23008	11032	Sisma Y SLV	0	50.2	0	0	1.0E2	1.222
23009	11032	Sisma X SLO	26.8	0	0	0	1.0E2	1.222	23010	11032	Sisma Y SLO	0	26.8	0	0	1.0E2	1.222
23011	11032	Sisma X SLD	22.2	0	0	0	1.0E2	1.222	23012	11032	Sisma Y SLD	0	22.2	0	0	1.0E2	1.222
23013	11033	Sisma X SLV	46.9	0	0	0	9.6E1	1.222	23014	11033	Sisma Y SLV	0	46.9	0	0	9.6E1	1.222
23015	11033	Sisma X SLO	25	0	0	0	9.6E1	1.222	23016	11033	Sisma Y SLO	0	25	0	0	9.6E1	1.222
23017	11033	Sisma X SLD	20.8	0	0	0	9.6E1	1.222	23018	11033	Sisma Y SLD	0	20.8	0	0	9.6E1	1.222
23019	11034	Sisma X SLV	45	0	0	0	9.2E1	1.222	23020	11034	Sisma Y SLV	0	45	0	0	9.2E1	1.222
23021	11034	Sisma X SLO	24	0	0	0	9.2E1	1.222	23022	11034	Sisma Y SLO	0	24	0	0	9.2E1	1.222
23023	11034	Sisma X SLD	19.9	0	0	0	9.2E1	1.222	23024	11034	Sisma Y SLD	0	19.9	0	0	9.2E1	1.222
23025	11035	Sisma X SLV	77.2	0	0	0	1.6E2	1.222	23026	11035	Sisma Y SLV	0	77.2	0	0	1.6E2	1.222
23027	11035	Sisma X SLO	41.2	0	0	0	1.6E2	1.222	23028	11035	Sisma Y SLO	0	41.2	0	0	1.6E2	1.222
23029	11035	Sisma X SLD	34.2	0	0	0	1.6E2	1.222	23030	11035	Sisma Y SLD	0	34.2	0	0	1.6E2	1.222
23031	11036	Sisma X SLV	54.4	0	0	0	1.1E2	1.222	23032	11036	Sisma Y SLV	0	54.4	0	0	1.1E2	1.222
23033	11036	Sisma X SLO	29	0	0	0	1.1E2	1.222	23034	11036	Sisma Y SLO	0	29	0	0	1.1E2	1.222
23035	11036	Sisma X SLD	24.1	0	0	0	1.1E2	1.222	23036	11036	Sisma Y SLD	0	24.1	0	0	1.1E2	1.222
23037	11037	Sisma X SLV	51.4	0	0	0	1.1E2	1.222	23038	11037	Sisma Y SLV	0	51.4	0	0	1.1E2	1.222
23039	11037	Sisma X SLO	27.4	0	0	0	1.1E2	1.222	23040	11037	Sisma Y SLO	0	27.4	0	0	1.1E2	1.222
23041	11037	Sisma X SLD	22.7	0	0	0	1.1E2	1.222	23042	11037	Sisma Y SLD	0	22.7	0	0	1.1E2	1.222
23043	11038	Sisma X SLV	43.9	0	0	0	9.0E1	1.222	23044	11038	Sisma Y SLV	0	43.9	0	0	9.0E1	1.222
23045	11038	Sisma X SLO	23.4	0	0	0	9.0E1	1.222	23046	11038	Sisma Y SLO	0	23.4	0	0	9.0E1	1.222
23047	11038	Sisma X SLD	19.4	0	0	0	9.0E1	1.222	23048	11038	Sisma Y SLD	0	19.4	0	0	9.0E1	1.222
23049	11039	Sisma X SLV	77.4	0	0	0	1.6E2	1.223	23050	11039	Sisma Y SLV	0	77.4	0	0	1.6E2	1.223
23051	11039	Sisma X SLO	41.3	0	0	0	1.6E2	1.223	23052	11039	Sisma Y SLO	0	41.3	0	0	1.6E2	1.223
23053	11039	Sisma X SLD	34.3	0	0	0	1.6E2	1.223	23054	11039	Sisma Y SLD	0	34.3	0	0	1.6E2	1.223
23055	11040	Sisma X SLV	74	0	0	0	1.5E2	1.223	23056	11040	Sisma Y SLV	0	74	0	0	1.5E2	1.223
23057	11040	Sisma X SLO	39.4	0	0	0	1.5E2	1.223	23058	11040	Sisma Y SLO	0	39.4	0	0	1.5E2	1.223
23059	11040	Sisma X SLD	32.7	0	0	0	1.5E2	1.223	23060	11040	Sisma Y SLD	0	32.7	0	0	1.5E2	1.223
23061	11041	Sisma X SLV	108.8	0	0	0	2.2E2	1.223	23062	11041	Sisma Y SLV	0	108.8	0	0	2.2E2	1.223
23063	11041	Sisma X SLO	58	0	0	0	2.2E2	1.223	23064	11041	Sisma Y SLO	0	58	0	0	2.2E2	1.223
23065	11041	Sisma X SLD	48.2	0	0	0	2.2E2	1.223	23066	11041	Sisma Y SLD	0	48.2	0	0	2.2E2	1.223
23067	11042	Sisma X SLV	77.7	0	0	0	1.6E2	1.223	23068	11042	Sisma Y SLV	0	77.7	0	0	1.6E2	1.223
23069	11042	Sisma X SLO	41.4	0	0	0	1.6E2	1.223	23070	11042	Sisma Y SLO	0	41.4	0	0	1.6E2	1.223
23071	11042	Sisma X SLD	34.4	0	0	0	1.6E2	1.223	23072	11042	Sisma Y SLD	0	34.4	0	0	1.6E2	1.223
23073	11043	Sisma X SLV	45.1	0	0	0	9.2E1	1.223	23074	11043	Sisma Y SLV	0	45.1	0	0	9.2E1	1.223
23075	11043	Sisma X SLO	24.1	0	0	0	9.2E1	1.223	23076	11043	Sisma Y SLO	0	24.1	0	0	9.2E1	1.223
23077	11043	Sisma X SLD	20	0	0	0	9.2E1	1.223	23078	11043	Sisma Y SLD	0	20	0	0	9.2E1	1.223
23079	11044	Sisma X SLV	46.1	0	0	0	94.22	1.223	23080	11044	Sisma Y SLV	0	46.1	0	0	94.22	1.223
23081	11044	Sisma X SLO	24.6	0	0	0	94.22	1.223	23082	11044	Sisma Y SLO	0	24.6	0	0	94.22	1.223
23083	11044	Sisma X SLD	20.4	0	0	0	94.22	1.223	23084	11044	Sisma Y SLD	0	20.4	0	0	94.22	1.223
23085	11045	Sisma X SLV	78	0	0	0	1.6E2	1.223	23086	11045	Sisma Y SLV	0	78	0	0	1.6E2	1.223
23087	11045	Sisma X SLO	41.6	0	0	0	1.6E2	1.223	23088	11045	Sisma Y SLO	0	41.6	0	0	1.6E2	1.223
23089	11045	Sisma X SLD	34.5	0	0	0	1.6E2	1.223	23090	11045	Sisma Y SLD	0	34.5	0	0	1.6E2	1.223
23091	11046	Sisma X SLV	81.5	0	0	0	1.7E2	1.223	23092	11046	Sisma Y SLV	0	81.5	0	0	1.7E2	1.223
23093	11046	Sisma X SLO	43.5	0	0	0	1.7E2	1.223	23094	11046	Sisma Y SLO	0	43.5	0	0	1.7E2	1.223
23095	11046	Sisma X SLD	36.1	0	0	0	1.7E2	1.223	23096	11046	Sisma Y SLD	0	36.1	0	0	1.7E2	1.223
23097	11047	Sisma X SLV	82.6	0	0	0	1.7E2	1.223	23098	11047	Sisma Y SLV	0	82.6	0	0	1.7E2	1.223
23099	11047	Sisma X SLO	44	0	0	0	1.7E2	1.223	23100	11047	Sisma Y SLO	0	44	0	0	1.7E2	1.223
23101	11047	Sisma X SLD	36.6	0	0	0	1.7E2	1.223	23102	11047	Sisma Y SLD	0	36.6	0	0	1.7E2	1.223
23103	11048	Sisma X SLV	80.5	0	0	0	1.6E2	1.223	23104	11048	Sisma Y SLV	0	80.5	0	0	1.6E2	1.223
23105	11048	Sisma X SLO	42.9	0	0	0	1.6E2	1.223	23106	11048	Sisma Y SLO	0	42.9	0	0	1.6E2	1.223
23107	11048	Sisma X SLD	35.6	0	0	0	1.6E2	1.223	23108	11048	Sisma Y SLD	0	35.6	0	0	1.6E2	1.223
23109	11049	Sisma X SLV	49.6	0	0	0	1.0E2	1.224	23110	11049	Sisma Y SLV	0	49.6	0	0	1.0E2	1.224
23111	11049	Sisma X SLO	26.4	0	0	0	1.0E2	1.224	23112	11049	Sisma Y SLO	0	26.4	0	0	1.0E2	1.224

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
23113	11049	Sisma X SLD	21.9	0	0	0	1.0E2	1.224	23114	11049	Sisma Y SLD	0	21.9	0	0	1.0E2	1.224
23115	11050	Sisma X SLV	78.3	0	0	0	1.6E2	1.224	23116	11050	Sisma Y SLV	0	78.3	0	0	1.6E2	1.224
23117	11050	Sisma X SLO	41.8	0	0	0	1.6E2	1.224	23118	11050	Sisma Y SLO	0	41.8	0	0	1.6E2	1.224
23119	11050	Sisma X SLD	34.7	0	0	0	1.6E2	1.224	23120	11050	Sisma Y SLD	0	34.7	0	0	1.6E2	1.224
23121	11051	Sisma X SLV	83.8	0	0	0	1.7E2	1.224	23122	11051	Sisma Y SLV	0	83.8	0	0	1.7E2	1.224
23123	11051	Sisma X SLO	44.7	0	0	0	1.7E2	1.224	23124	11051	Sisma Y SLO	0	44.7	0	0	1.7E2	1.224
23125	11051	Sisma X SLD	37.1	0	0	0	1.7E2	1.224	23126	11051	Sisma Y SLD	0	37.1	0	0	1.7E2	1.224
23127	11052	Sisma X SLV	79.6	0	0	0	1.6E2	1.224	23128	11052	Sisma Y SLV	0	79.6	0	0	1.6E2	1.224
23129	11052	Sisma X SLO	42.4	0	0	0	1.6E2	1.224	23130	11052	Sisma Y SLO	0	42.4	0	0	1.6E2	1.224
23131	11052	Sisma X SLD	35.2	0	0	0	1.6E2	1.224	23132	11052	Sisma Y SLD	0	35.2	0	0	1.6E2	1.224
23133	11053	Sisma X SLV	41.7	0	0	0	8.5E1	1.224	23134	11053	Sisma Y SLV	0	41.7	0	0	8.5E1	1.224
23135	11053	Sisma X SLO	22.3	0	0	0	8.5E1	1.224	23136	11053	Sisma Y SLO	0	22.3	0	0	8.5E1	1.224
23137	11053	Sisma X SLD	18.5	0	0	0	8.5E1	1.224	23138	11053	Sisma Y SLD	0	18.5	0	0	8.5E1	1.224
23139	11054	Sisma X SLV	109.6	0	0	0	2.2E2	1.224	23140	11054	Sisma Y SLV	0	109.6	0	0	2.2E2	1.224
23141	11054	Sisma X SLO	58.4	0	0	0	2.2E2	1.224	23142	11054	Sisma Y SLO	0	58.4	0	0	2.2E2	1.224
23143	11054	Sisma X SLD	48.5	0	0	0	2.2E2	1.224	23144	11054	Sisma Y SLD	0	48.5	0	0	2.2E2	1.224
23145	11055	Sisma X SLV	74.3	0	0	0	1.5E2	1.224	23146	11055	Sisma Y SLV	0	74.3	0	0	1.5E2	1.224
23147	11055	Sisma X SLO	39.6	0	0	0	1.5E2	1.224	23148	11055	Sisma Y SLO	0	39.6	0	0	1.5E2	1.224
23149	11055	Sisma X SLD	32.9	0	0	0	1.5E2	1.224	23150	11055	Sisma Y SLD	0	32.9	0	0	1.5E2	1.224
23151	11056	Sisma X SLV	46.5	0	0	0	9.5E1	1.224	23152	11056	Sisma Y SLV	0	46.5	0	0	9.5E1	1.224
23153	11056	Sisma X SLO	24.8	0	0	0	9.5E1	1.224	23154	11056	Sisma Y SLO	0	24.8	0	0	9.5E1	1.224
23155	11056	Sisma X SLD	20.6	0	0	0	9.5E1	1.224	23156	11056	Sisma Y SLD	0	20.6	0	0	9.5E1	1.224
23157	11057	Sisma X SLV	78.7	0	0	0	1.6E2	1.224	23158	11057	Sisma Y SLV	0	78.7	0	0	1.6E2	1.224
23159	11057	Sisma X SLO	42	0	0	0	1.6E2	1.224	23160	11057	Sisma Y SLO	0	42	0	0	1.6E2	1.224
23161	11057	Sisma X SLD	34.8	0	0	0	1.6E2	1.224	23162	11057	Sisma Y SLD	0	34.8	0	0	1.6E2	1.224
23163	11058	Sisma X SLV	78.8	0	0	0	1.6E2	1.224	23164	11058	Sisma Y SLV	0	78.8	0	0	1.6E2	1.224
23165	11058	Sisma X SLO	42	0	0	0	1.6E2	1.224	23166	11058	Sisma Y SLO	0	42	0	0	1.6E2	1.224
23167	11058	Sisma X SLD	34.9	0	0	0	1.6E2	1.224	23168	11058	Sisma Y SLD	0	34.9	0	0	1.6E2	1.224
23169	11059	Sisma X SLV	85.4	0	0	0	1.7E2	1.224	23170	11059	Sisma Y SLV	0	85.4	0	0	1.7E2	1.224
23171	11059	Sisma X SLO	45.6	0	0	0	1.7E2	1.224	23172	11059	Sisma Y SLO	0	45.6	0	0	1.7E2	1.224
23173	11059	Sisma X SLD	37.8	0	0	0	1.7E2	1.224	23174	11059	Sisma Y SLD	0	37.8	0	0	1.7E2	1.224
23175	11060	Sisma X SLV	47.5	0	0	0	9.7E1	1.224	23176	11060	Sisma Y SLV	0	47.5	0	0	9.7E1	1.224
23177	11060	Sisma X SLO	25.3	0	0	0	9.7E1	1.224	23178	11060	Sisma Y SLO	0	25.3	0	0	9.7E1	1.224
23179	11060	Sisma X SLD	21	0	0	0	9.7E1	1.224	23180	11060	Sisma Y SLD	0	21	0	0	9.7E1	1.224
23181	11061	Sisma X SLV	79	0	0	0	1.6E2	1.224	23182	11061	Sisma Y SLV	0	79	0	0	1.6E2	1.224
23183	11061	Sisma X SLO	42.1	0	0	0	1.6E2	1.224	23184	11061	Sisma Y SLO	0	42.1	0	0	1.6E2	1.224
23185	11061	Sisma X SLD	35	0	0	0	1.6E2	1.224	23186	11061	Sisma Y SLD	0	35	0	0	1.6E2	1.224
23187	11062	Sisma X SLV	55.2	0	0	0	1.1E2	1.225	23188	11062	Sisma Y SLV	0	55.2	0	0	1.1E2	1.225
23189	11062	Sisma X SLO	29.4	0	0	0	1.1E2	1.225	23190	11062	Sisma Y SLO	0	29.4	0	0	1.1E2	1.225
23191	11062	Sisma X SLD	24.4	0	0	0	1.1E2	1.225	23192	11062	Sisma Y SLD	0	24.4	0	0	1.1E2	1.225
23193	11063	Sisma X SLV	47.6	0	0	0	9.7E1	1.225	23194	11063	Sisma Y SLV	0	47.6	0	0	9.7E1	1.225
23195	11063	Sisma X SLO	25.4	0	0	0	9.7E1	1.225	23196	11063	Sisma Y SLO	0	25.4	0	0	9.7E1	1.225
23197	11063	Sisma X SLD	21.1	0	0	0	9.7E1	1.225	23198	11063	Sisma Y SLD	0	21.1	0	0	9.7E1	1.225
23199	11064	Sisma X SLV	78.4	0	0	0	1.6E2	1.225	23200	11064	Sisma Y SLV	0	78.4	0	0	1.6E2	1.225
23201	11064	Sisma X SLO	41.8	0	0	0	1.6E2	1.225	23202	11064	Sisma Y SLO	0	41.8	0	0	1.6E2	1.225
23203	11064	Sisma X SLD	34.7	0	0	0	1.6E2	1.225	23204	11064	Sisma Y SLD	0	34.7	0	0	1.6E2	1.225
23205	11065	Sisma X SLV	79.3	0	0	0	1.6E2	1.225	23206	11065	Sisma Y SLV	0	79.3	0	0	1.6E2	1.225
23207	11065	Sisma X SLO	42.3	0	0	0	1.6E2	1.225	23208	11065	Sisma Y SLO	0	42.3	0	0	1.6E2	1.225
23209	11065	Sisma X SLD	35.1	0	0	0	1.6E2	1.225	23210	11065	Sisma Y SLD	0	35.1	0	0	1.6E2	1.225
23211	11066	Sisma X SLV	48.5	0	0	0	9.9E1	1.225	23212	11066	Sisma Y SLV	0	48.5	0	0	9.9E1	1.225
23213	11066	Sisma X SLO	25.8	0	0	0	9.9E1	1.225	23214	11066	Sisma Y SLO	0	25.8	0	0	9.9E1	1.225
23215	11066	Sisma X SLD	21.4	0	0	0	9.9E1	1.225	23216	11066	Sisma Y SLD	0	21.4	0	0	9.9E1	1.225
23217	11067	Sisma X SLV	79.5	0	0	0	1.6E2	1.225	23218	11067	Sisma Y SLV	0	79.5	0	0	1.6E2	1.225
23219	11067	Sisma X SLO	42.4	0	0	0	1.6E2	1.225	23220	11067	Sisma Y SLO	0	42.4	0	0	1.6E2	1.225
23221	11067	Sisma X SLD	35.2	0	0	0	1.6E2	1.225	23222	11067	Sisma Y SLD	0	35.2	0	0	1.6E2	1.225
23223	11068	Sisma X SLV	110.9	0	0	0	2.3E2	1.225	23224	11068	Sisma Y SLV	0	110.9	0	0	2.3E2	1.225
23225	11068	Sisma X SLO	59.1	0	0	0	2.3E2	1.225	23226	11068	Sisma Y SLO	0	59.1	0	0	2.3E2	1.225
23227	11068	Sisma X SLD	49.1	0	0	0	2.3E2	1.225	23228	11068	Sisma Y SLD	0	49.1	0	0	2.3E2	1.225
23229	11069	Sisma X SLV	46.3	0	0	0	9.5E1	1.225	23230	11069	Sisma Y SLV	0	46.3	0	0	9.5E1	1.225
23231	11069	Sisma X SLO	24.7	0	0	0	9.5E1	1.225	23232	11069	Sisma Y SLO	0	24.7	0	0	9.5E1	1.225
23233	11069	Sisma X SLD	20.5	0	0	0	9.5E1	1.225	23234	11069	Sisma Y SLD	0	20.5	0	0	9.5E1	1.225
23235	11070	Sisma X SLV	75	0	0	0	1.5E2	1.225	23236	11070	Sisma Y SLV	0	75	0	0	1.5E2	1.225
23237	11070	Sisma X SLO	40	0	0	0	1.5E2	1.225	23238	11070	Sisma Y SLO	0	40	0	0	1.5E2	1.225
23239	11070	Sisma X SLD	33.2	0	0	0	1.5E2	1.225	23240	11070	Sisma Y SLD	0	33.2	0	0	1.5E2	1.225
23241	11071	Sisma X SLV	88.3	0	0	0	1.8E2	1.225	23242	11071	Sisma Y SLV	0	88.3	0	0	1.8E2	1.225
23243	11071	Sisma X SLO	47.1	0	0	0	1.8E2	1.225	23244	11071	Sisma Y SLO	0	47.1	0	0	1.8E2	1.225
23245	11071	Sisma X SLD	39.1	0	0	0	1.8E2	1.225	23246	11071	Sisma Y SLD	0	39.1	0	0	1.8E2	1.225
23247	11072	Sisma X SLV	79.6	0	0	0	1.6E2	1.225	23248	11072	Sisma Y SLV	0	79.6	0	0	1.6E2	1.225
23249	11072	Sisma X SLO	42.4	0	0	0	1.6E2	1.225	23250	11072	Sisma Y SLO	0	42.4	0	0	1.6E2	1.225
23251	11072	Sisma X SLD	35.2	0	0	0	1.6E2	1.225	23252	11072	Sisma Y SLD	0	35.2	0	0	1.6E2	1.225
23253	11073	Sisma X SLV	45.6	0	0	0	9.3E1	1.225	23254	11073	Sisma Y SLV	0	45.6	0	0	9.3E1	1.225
23255	11073	Sisma X SLO	24.3	0	0	0	9.3E1	1.225	23256	11073	Sisma Y SLO	0	24.3	0	0	9.3E1	1.225
23257	11073	Sisma X SLD	20.2	0	0	0	9.3E1	1.225	23258	11073	Sisma Y SLD	0	20.2	0	0	9.3E1	1.225
23259	11074	Sisma X SLV	78.7	0	0	0	1.6E2	1.226	23260	11074	Sisma Y SLV	0	78.7	0	0	1.6E2	1.226
23261	11074	Sisma X SLO	42	0	0	0	1.6E2	1.226	23262	11074	Sisma Y SLO	0	42	0	0	1.6E2	1.226
23263	11074	Sisma X SLD	34.8	0	0	0	1.6E2	1.226	23264	11074	Sisma Y SLD	0	34.8	0	0	1.6E2	1.226
23265	11075	Sisma X SLV	79.5	0	0	0	1.6E2	1.226	23266	11075	Sisma Y SLV	0	79.5	0	0	1.6E2	1.226
23267	11075	Sisma X SLO	42.4	0	0	0	1.6E2	1.226	23268	11075	Sisma Y SLO	0	42.4	0	0	1.6E2	1.226
23269	11075	Sisma X SLD	35.2	0	0	0	1.6E2	1.226	23270	11075	Sisma Y SLD	0	35.2	0	0	1.6E2	1.226
23271	11076	Sisma X SLV	47.7	0	0	0	9.7E1	1.226	23272	11076	Sisma Y SLV	0	47.7	0	0	9.7E1	1.226
23273	11076	Sisma X SLO	25.4	0	0	0	9.7E1	1.226	23274	11076	Sisma Y SLO	0	25.4	0	0	9.7E1	1.226
23275	11076	Sisma X SLD	21.1	0	0	0	9.7E1	1.226	23276	11076	Sisma Y SLD	0	21.1	0	0	9.7E1	1.226
23277	11077	Sisma X SLV	46.4	0	0	0	9.5E1	1.226	23278	11077	Sisma Y SLV	0	46.4	0	0	9.5E1	1.226
23279	11077	Sisma X SLO	24.7	0	0	0	9.5E1	1.226	23280	11077	Sisma Y SLO	0	24.7	0	0	9.5E1	1.226
23281	11077	Sisma X SLD	20.5	0	0	0	9.5E1	1.226	23282	11077	Sisma Y SLD	0	20.5	0	0	9.5E1	1.226
23283	11078	Sisma X SLV	48.3	0	0	0	98.47	1.226	23284	11078	Sisma Y SLV	0	48.3	0	0	98.47	1.226
23285	11078	Sisma X SLO	25.7	0	0	0	98.47	1.226	23286	11078	Sisma Y SLO	0	25.7	0	0	98.47	1.226
23287	11078	Sisma X SLD	21.4	0	0	0	98.47	1.226	23288	11078	Sisma Y SLD	0	21.4	0	0	98.47	1.226
23289	11079	Sisma X SLV	35.8	0	0	0	7.3E1	1.226	23290	11079	Sisma Y SLV	0	35.8	0	0	7.3E1	1.226
23291	11079	Sisma X SLO	19.1	0	0	0	7.3E1	1.226	23292	11079	Sisma Y SLO	0	19.1	0	0	7.3E1	1.226
23293	11079	Sisma X SLD	15.9	0	0	0	7.3E1	1.226	23294	11079	Sisma Y SLD	0	15.9	0	0	7.3E1	1.226
23295	11080	Sisma X SLV	47.5	0	0	0	9.7E1	1.226	23296	11080	Sisma Y SLV	0	47.5	0	0	9.7E1	1.226
23297	11080	Sisma X SLO	25.3	0	0	0	9.7E1	1.226	23298	11080	Sisma Y SLO	0	25.3	0	0	9.7E1	1.226
23299	11080	Sisma X SLD	21	0	0	0	9.7E1	1.226	23300	11080	Sisma Y SLD	0	21	0	0	9.7E1	1.226
23301	11081	Sisma X SLV	79.1	0	0	0	1.6E2	1.226	23302	11081	Sisma Y SLV	0	79.1	0	0	1.6E2	1.226
23303	11081	Sisma X SLO	42.2	0	0	0	1.6E2	1.226	23304	11081	Sisma Y SLO	0	42.2	0	0	1.6E2	1.226
23305	11081	Sisma X SLD	35	0	0	0	1.6E2	1.226	23306	11081	Sisma Y SLD	0	35	0	0	1.6E2	1.226
23307	11082	Sisma X SLV	73.8	0	0	0	1.5E2	1.226	23308	11082	Sisma Y SLV	0	73.8	0	0	1.5E2	1.226
23309	11082	Sisma X SLO	39.3	0	0	0	1.5E2	1.226	23310	11082	Sisma Y SLO	0	39.3	0	0	1.5E2	1.226
23311	11082	Sisma X SLD	32.6	0	0	0	1.5E2	1.226	23312	11082	Sisma Y SLD	0	32.6	0	0	1.5E2	1.226

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
23313	11083	Sisma X SLV	37	0	0	0	7.5E1	1.227	23314	11083	Sisma Y SLV	0	37	0	0	7.5E1	1.227
23315	11083	Sisma X SLO	19.7	0	0	0	7.5E1	1.227	23316	11083	Sisma Y SLO	0	19.7	0	0	7.5E1	1.227
23317	11083	Sisma X SLD	16.4	0	0	0	7.5E1	1.227	23318	11083	Sisma Y SLD	0	16.4	0	0	7.5E1	1.227
23319	11084	Sisma X SLV	78.3	0	0	0	1.6E2	1.227	23320	11084	Sisma Y SLV	0	78.3	0	0	1.6E2	1.227
23321	11084	Sisma X SLO	41.8	0	0	0	1.6E2	1.227	23322	11084	Sisma Y SLO	0	41.8	0	0	1.6E2	1.227
23323	11084	Sisma X SLD	34.7	0	0	0	1.6E2	1.227	23324	11084	Sisma Y SLD	0	34.7	0	0	1.6E2	1.227
23325	11085	Sisma X SLV	50	0	0	0	1.0E2	1.227	23326	11085	Sisma Y SLV	0	50	0	0	1.0E2	1.227
23327	11085	Sisma X SLO	26.6	0	0	0	1.0E2	1.227	23328	11085	Sisma Y SLO	0	26.6	0	0	1.0E2	1.227
23329	11085	Sisma X SLD	22.1	0	0	0	1.0E2	1.227	23330	11085	Sisma Y SLD	0	22.1	0	0	1.0E2	1.227
23331	11086	Sisma X SLV	50	0	0	0	1.0E2	1.227	23332	11086	Sisma Y SLV	0	50	0	0	1.0E2	1.227
23333	11086	Sisma X SLO	26.6	0	0	0	1.0E2	1.227	23334	11086	Sisma Y SLO	0	26.6	0	0	1.0E2	1.227
23335	11086	Sisma X SLD	22.1	0	0	0	1.0E2	1.227	23336	11086	Sisma Y SLD	0	22.1	0	0	1.0E2	1.227
23337	11087	Sisma X SLV	44.7	0	0	0	9.1E1	1.227	23338	11087	Sisma Y SLV	0	44.7	0	0	9.1E1	1.227
23339	11087	Sisma X SLO	23.8	0	0	0	9.1E1	1.227	23340	11087	Sisma Y SLO	0	23.8	0	0	9.1E1	1.227
23341	11087	Sisma X SLD	19.8	0	0	0	9.1E1	1.227	23342	11087	Sisma Y SLD	0	19.8	0	0	9.1E1	1.227
23343	11088	Sisma X SLV	94.5	0	0	0	1.9E2	1.227	23344	11088	Sisma Y SLV	0	94.5	0	0	1.9E2	1.227
23345	11088	Sisma X SLO	50.4	0	0	0	1.9E2	1.227	23346	11088	Sisma Y SLO	0	50.4	0	0	1.9E2	1.227
23347	11088	Sisma X SLD	41.8	0	0	0	1.9E2	1.227	23348	11088	Sisma Y SLD	0	41.8	0	0	1.9E2	1.227
23349	11089	Sisma X SLV	55	0	0	0	1.1E2	1.227	23350	11089	Sisma Y SLV	0	55	0	0	1.1E2	1.227
23351	11089	Sisma X SLO	29.3	0	0	0	1.1E2	1.227	23352	11089	Sisma Y SLO	0	29.3	0	0	1.1E2	1.227
23353	11089	Sisma X SLD	24.3	0	0	0	1.1E2	1.227	23354	11089	Sisma Y SLD	0	24.3	0	0	1.1E2	1.227
23355	11090	Sisma X SLV	37.7	0	0	0	76.95	1.227	23356	11090	Sisma Y SLV	0	37.7	0	0	76.95	1.227
23357	11090	Sisma X SLO	20.1	0	0	0	76.95	1.227	23358	11090	Sisma Y SLO	0	20.1	0	0	76.95	1.227
23359	11090	Sisma X SLD	16.7	0	0	0	76.95	1.227	23360	11090	Sisma Y SLD	0	16.7	0	0	76.95	1.227
23361	11091	Sisma X SLV	81.9	0	0	0	1.7E2	1.227	23362	11091	Sisma Y SLV	0	81.9	0	0	1.7E2	1.227
23363	11091	Sisma X SLO	43.7	0	0	0	1.7E2	1.227	23364	11091	Sisma Y SLO	0	43.7	0	0	1.7E2	1.227
23365	11091	Sisma X SLD	36.3	0	0	0	1.7E2	1.227	23366	11091	Sisma Y SLD	0	36.3	0	0	1.7E2	1.227
23367	11092	Sisma X SLV	51.4	0	0	0	1.0E2	1.227	23368	11092	Sisma Y SLV	0	51.4	0	0	1.0E2	1.227
23369	11092	Sisma X SLO	27.4	0	0	0	1.0E2	1.227	23370	11092	Sisma Y SLO	0	27.4	0	0	1.0E2	1.227
23371	11092	Sisma X SLD	22.8	0	0	0	1.0E2	1.227	23372	11092	Sisma Y SLD	0	22.8	0	0	1.0E2	1.227
23373	11093	Sisma X SLV	25.7	0	0	0	5.2E1	1.227	23374	11093	Sisma Y SLV	0	25.7	0	0	5.2E1	1.227
23375	11093	Sisma X SLO	13.7	0	0	0	5.2E1	1.227	23376	11093	Sisma Y SLO	0	13.7	0	0	5.2E1	1.227
23377	11093	Sisma X SLD	11.4	0	0	0	5.2E1	1.227	23378	11093	Sisma Y SLD	0	11.4	0	0	5.2E1	1.227
23379	11094	Sisma X SLV	26.6	0	0	0	5.4E1	1.227	23380	11094	Sisma Y SLV	0	26.6	0	0	5.4E1	1.227
23381	11094	Sisma X SLO	14.2	0	0	0	5.4E1	1.227	23382	11094	Sisma Y SLO	0	14.2	0	0	5.4E1	1.227
23383	11094	Sisma X SLD	11.8	0	0	0	5.4E1	1.227	23384	11094	Sisma Y SLD	0	11.8	0	0	5.4E1	1.227
23385	11095	Sisma X SLV	25.7	0	0	0	5.2E1	1.227	23386	11095	Sisma Y SLV	0	25.7	0	0	5.2E1	1.227
23387	11095	Sisma X SLO	13.7	0	0	0	5.2E1	1.227	23388	11095	Sisma Y SLO	0	13.7	0	0	5.2E1	1.227
23389	11095	Sisma X SLD	11.4	0	0	0	5.2E1	1.227	23390	11095	Sisma Y SLD	0	11.4	0	0	5.2E1	1.227
23391	11096	Sisma X SLV	23.7	0	0	0	4.8E1	1.227	23392	11096	Sisma Y SLV	0	23.7	0	0	4.8E1	1.227
23393	11096	Sisma X SLO	12.6	0	0	0	4.8E1	1.227	23394	11096	Sisma Y SLO	0	12.6	0	0	4.8E1	1.227
23395	11096	Sisma X SLD	10.5	0	0	0	4.8E1	1.227	23396	11096	Sisma Y SLD	0	10.5	0	0	4.8E1	1.227
23397	11097	Sisma X SLV	23.3	0	0	0	4.8E1	1.227	23398	11097	Sisma Y SLV	0	23.3	0	0	4.8E1	1.227
23399	11097	Sisma X SLO	12.4	0	0	0	4.8E1	1.227	23400	11097	Sisma Y SLO	0	12.4	0	0	4.8E1	1.227
23401	11097	Sisma X SLD	10.3	0	0	0	4.8E1	1.227	23402	11097	Sisma Y SLD	0	10.3	0	0	4.8E1	1.227
23403	11098	Sisma X SLV	30.5	0	0	0	6.2E1	1.227	23404	11098	Sisma Y SLV	0	30.5	0	0	6.2E1	1.227
23405	11098	Sisma X SLO	16.3	0	0	0	6.2E1	1.227	23406	11098	Sisma Y SLO	0	16.3	0	0	6.2E1	1.227
23407	11098	Sisma X SLD	13.5	0	0	0	6.2E1	1.227	23408	11098	Sisma Y SLD	0	13.5	0	0	6.2E1	1.227
23409	11099	Sisma X SLV	30.1	0	0	0	6.1E1	1.227	23410	11099	Sisma Y SLV	0	30.1	0	0	6.1E1	1.227
23411	11099	Sisma X SLO	16	0	0	0	6.1E1	1.227	23412	11099	Sisma Y SLO	0	16	0	0	6.1E1	1.227
23413	11099	Sisma X SLD	13.3	0	0	0	6.1E1	1.227	23414	11099	Sisma Y SLD	0	13.3	0	0	6.1E1	1.227
23415	11100	Sisma X SLV	25.4	0	0	0	5.2E1	1.227	23416	11100	Sisma Y SLV	0	25.4	0	0	5.2E1	1.227
23417	11100	Sisma X SLO	13.6	0	0	0	5.2E1	1.227	23418	11100	Sisma Y SLO	0	13.6	0	0	5.2E1	1.227
23419	11100	Sisma X SLD	11.3	0	0	0	5.2E1	1.227	23420	11100	Sisma Y SLD	0	11.3	0	0	5.2E1	1.227
23421	11101	Sisma X SLV	30.3	0	0	0	6.2E1	1.227	23422	11101	Sisma Y SLV	0	30.3	0	0	6.2E1	1.227
23423	11101	Sisma X SLO	16.2	0	0	0	6.2E1	1.227	23424	11101	Sisma Y SLO	0	16.2	0	0	6.2E1	1.227
23425	11101	Sisma X SLD	13.4	0	0	0	6.2E1	1.227	23426	11101	Sisma Y SLD	0	13.4	0	0	6.2E1	1.227
23427	11102	Sisma X SLV	24	0	0	0	4.9E1	1.227	23428	11102	Sisma Y SLV	0	24	0	0	4.9E1	1.227
23429	11102	Sisma X SLO	12.8	0	0	0	4.9E1	1.227	23430	11102	Sisma Y SLO	0	12.8	0	0	4.9E1	1.227
23431	11102	Sisma X SLD	10.6	0	0	0	4.9E1	1.227	23432	11102	Sisma Y SLD	0	10.6	0	0	4.9E1	1.227
23433	11103	Sisma X SLV	23.1	0	0	0	4.7E1	1.227	23434	11103	Sisma Y SLV	0	23.1	0	0	4.7E1	1.227
23435	11103	Sisma X SLO	12.3	0	0	0	4.7E1	1.227	23436	11103	Sisma Y SLO	0	12.3	0	0	4.7E1	1.227
23437	11103	Sisma X SLD	10.2	0	0	0	4.7E1	1.227	23438	11103	Sisma Y SLD	0	10.2	0	0	4.7E1	1.227
23439	11104	Sisma X SLV	27.5	0	0	0	5.6E1	1.227	23440	11104	Sisma Y SLV	0	27.5	0	0	5.6E1	1.227
23441	11104	Sisma X SLO	14.7	0	0	0	5.6E1	1.227	23442	11104	Sisma Y SLO	0	14.7	0	0	5.6E1	1.227
23443	11104	Sisma X SLD	12.2	0	0	0	5.6E1	1.227	23444	11104	Sisma Y SLD	0	12.2	0	0	5.6E1	1.227
23445	11105	Sisma X SLV	31.8	0	0	0	6.5E1	1.227	23446	11105	Sisma Y SLV	0	31.8	0	0	6.5E1	1.227
23447	11105	Sisma X SLO	16.9	0	0	0	6.5E1	1.227	23448	11105	Sisma Y SLO	0	16.9	0	0	6.5E1	1.227
23449	11105	Sisma X SLD	14.1	0	0	0	6.5E1	1.227	23450	11105	Sisma Y SLD	0	14.1	0	0	6.5E1	1.227
23451	11106	Sisma X SLV	23.3	0	0	0	4.8E1	1.227	23452	11106	Sisma Y SLV	0	23.3	0	0	4.8E1	1.227
23453	11106	Sisma X SLO	12.4	0	0	0	4.8E1	1.227	23454	11106	Sisma Y SLO	0	12.4	0	0	4.8E1	1.227
23455	11106	Sisma X SLD	10.3	0	0	0	4.8E1	1.227	23456	11106	Sisma Y SLD	0	10.3	0	0	4.8E1	1.227
23457	11107	Sisma X SLV	22.6	0	0	0	4.6E1	1.227	23458	11107	Sisma Y SLV	0	22.6	0	0	4.6E1	1.227
23459	11107	Sisma X SLO	12.1	0	0	0	4.6E1	1.227	23460	11107	Sisma Y SLO	0	12.1	0	0	4.6E1	1.227
23461	11107	Sisma X SLD	10	0	0	0	4.6E1	1.227	23462	11107	Sisma Y SLD	0	10	0	0	4.6E1	1.227
23463	11108	Sisma X SLV	22.3	0	0	0	4.5E1	1.227	23464	11108	Sisma Y SLV	0	22.3	0	0	4.5E1	1.227
23465	11108	Sisma X SLO	11.9	0	0	0	4.5E1	1.227	23466	11108	Sisma Y SLO	0	11.9	0	0	4.5E1	1.227
23467	11108	Sisma X SLD	9.8	0	0	0	4.5E1	1.227	23468	11108	Sisma Y SLD	0	9.8	0	0	4.5E1	1.227
23469	11109	Sisma X SLV	35.6	0	0	0	7.3E1	1.227	23470	11109	Sisma Y SLV	0	35.6	0	0	7.3E1	1.227
23471	11109	Sisma X SLO	19	0	0	0	7.3E1	1.227	23472	11109	Sisma Y SLO	0	19	0	0	7.3E1	1.227
23473	11109	Sisma X SLD	15.7	0	0	0	7.3E1	1.227	23474	11109	Sisma Y SLD	0	15.7	0	0	7.3E1	1.227
23475	11110	Sisma X SLV	22.5	0	0	0	4.6E1	1.227	23476	11110	Sisma Y SLV	0	22.5	0	0	4.6E1	1.227
23477	11110	Sisma X SLO	12	0	0	0	4.6E1	1.227	23478	11110	Sisma Y SLO	0	12	0	0	4.6E1	1.227
23479	11110	Sisma X SLD	9.9	0	0	0	4.6E1	1.227	23480	11110	Sisma Y SLD	0	9.9	0	0	4.6E1	1.227
23481	11111	Sisma X SLV	23.1	0	0	0	4.7E1	1.227	23482	11111	Sisma Y SLV	0	23.1	0	0	4.7E1	1.227
23483	11111	Sisma X SLO	12.3	0	0	0	4.7E1	1.227	23484	11111	Sisma Y SLO	0	12.3	0	0	4.7E1	1.227
23485	11111	Sisma X SLD	10.2	0	0	0	4.7E1	1.227	23486	11111	Sisma Y SLD	0	10.2	0	0	4.7E1	1.227
23487	11112	Sisma X SLV	27.8	0	0	0	5.7E1	1.227	23488	11112	Sisma Y SLV	0	27.8	0	0	5.7E1	1.227
23489	11112	Sisma X SLO	14.8	0	0	0	5.7E1	1.227	23490	11112	Sisma Y SLO	0	14.8	0	0	5.7E1	1.227
23491	11112	Sisma X SLD	12.3	0	0	0	5.7E1	1.227	23492	11112	Sisma Y SLD	0	12.3	0	0	5.7E1	1.227
23493	11113	Sisma X SLV	24.3	0	0	0	5.0E1	1.227	23494	11113	Sisma Y SLV	0	24.3	0	0	5.0E1	1.227
23495	11113	Sisma X SLO	12.9	0	0	0	5.0E1	1.227	23496	11113	Sisma Y SLO	0	12.9	0	0	5.0E1	1.227
23497	11113	Sisma X SLD	10.7	0	0	0	5.0E1	1.227	23498	11113	Sisma Y SLD	0	10.7	0	0	5.0E1	1.227
23499	11114	Sisma X SLV	31.1	0	0	0	6.3E1	1.227	23500	11114	Sisma Y SLV	0	31.1	0	0	6.3E1	1.227
23501	11114	Sisma X SLO	16.6	0	0	0	6.3E1	1.227	23502	11114	Sisma Y SLO	0	16.6	0	0	6.3E1	1.227
23503	11114	Sisma X SLD	13.8	0	0	0	6.3E1	1.227	23504	11114	Sisma Y SLD	0	13.8	0	0	6.3E1	1.227
23505	11115	Sisma X SLV	32.1	0	0	0	6.6E1	1.227	23506	11115	Sisma Y SLV	0	32.1	0	0	6.6E1	1.227
23507	11115	Sisma X SLO	17.1	0	0	0	6.6E1	1.227	23508	11115	Sisma Y SLO	0	17.1	0	0	6.6E1	1.227
23509	11115	Sisma X SLD	14.2	0	0	0	6.6E1	1.227	23510	11115	Sisma Y SLD	0	14.2	0	0	6.6E1	1.227
23511	11116	Sisma X SLV	22.2	0	0	0	4.5E1	1.227	23512	11116	Sisma Y SLV	0	22.2	0	0	4.5E1	1.227

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
23513	11116	Sisma X SLO	11.8	0	0	0	4.5E1	1.227	23514	11116	Sisma Y SLO	0	11.8	0	0	4.5E1	1.227
23515	11116	Sisma X SLD	9.8	0	0	0	4.5E1	1.227	23516	11116	Sisma Y SLD	0	9.8	0	0	4.5E1	1.227
23517	11117	Sisma X SLV	22.9	0	0	0	4.7E1	1.227	23518	11117	Sisma Y SLV	0	22.9	0	0	4.7E1	1.227
23519	11117	Sisma X SLO	12.2	0	0	0	4.7E1	1.227	23520	11117	Sisma Y SLO	0	12.2	0	0	4.7E1	1.227
23521	11117	Sisma X SLD	10.1	0	0	0	4.7E1	1.227	23522	11117	Sisma Y SLD	0	10.1	0	0	4.7E1	1.227
23523	11118	Sisma X SLV	24.5	0	0	0	5.0E1	1.227	23524	11118	Sisma Y SLV	0	24.5	0	0	5.0E1	1.227
23525	11118	Sisma X SLO	13	0	0	0	5.0E1	1.227	23526	11118	Sisma Y SLO	0	13	0	0	5.0E1	1.227
23527	11118	Sisma X SLD	10.8	0	0	0	5.0E1	1.227	23528	11118	Sisma Y SLD	0	10.8	0	0	5.0E1	1.227
23529	11119	Sisma X SLV	23.6	0	0	0	4.8E1	1.227	23530	11119	Sisma Y SLV	0	23.6	0	0	4.8E1	1.227
23531	11119	Sisma X SLO	12.6	0	0	0	4.8E1	1.227	23532	11119	Sisma Y SLO	0	12.6	0	0	4.8E1	1.227
23533	11119	Sisma X SLD	10.4	0	0	0	4.8E1	1.227	23534	11119	Sisma Y SLD	0	10.4	0	0	4.8E1	1.227
23535	11120	Sisma X SLV	33.6	0	0	0	68.52	1.227	23536	11120	Sisma Y SLV	0	33.6	0	0	68.52	1.227
23537	11120	Sisma X SLO	17.9	0	0	0	68.52	1.227	23538	11120	Sisma Y SLO	0	17.9	0	0	68.52	1.227
23539	11120	Sisma X SLD	14.9	0	0	0	68.52	1.227	23540	11120	Sisma Y SLD	0	14.9	0	0	68.52	1.227
23541	11121	Sisma X SLV	34	0	0	0	6.9E1	1.227	23542	11121	Sisma Y SLV	0	34	0	0	6.9E1	1.227
23543	11121	Sisma X SLO	18.1	0	0	0	6.9E1	1.227	23544	11121	Sisma Y SLO	0	18.1	0	0	6.9E1	1.227
23545	11121	Sisma X SLD	15.1	0	0	0	6.9E1	1.227	23546	11121	Sisma Y SLD	0	15.1	0	0	6.9E1	1.227
23547	11122	Sisma X SLV	24.8	0	0	0	5.1E1	1.227	23548	11122	Sisma Y SLV	0	24.8	0	0	5.1E1	1.227
23549	11122	Sisma X SLO	13.2	0	0	0	5.1E1	1.227	23550	11122	Sisma Y SLO	0	13.2	0	0	5.1E1	1.227
23551	11122	Sisma X SLD	11	0	0	0	5.1E1	1.227	23552	11122	Sisma Y SLD	0	11	0	0	5.1E1	1.227
23553	11123	Sisma X SLV	25.5	0	0	0	5.2E1	1.227	23554	11123	Sisma Y SLV	0	25.5	0	0	5.2E1	1.227
23555	11123	Sisma X SLO	13.6	0	0	0	5.2E1	1.227	23556	11123	Sisma Y SLO	0	13.6	0	0	5.2E1	1.227
23557	11123	Sisma X SLD	11.3	0	0	0	5.2E1	1.227	23558	11123	Sisma Y SLD	0	11.3	0	0	5.2E1	1.227
23559	11124	Sisma X SLV	24.9	0	0	0	5.1E1	1.227	23560	11124	Sisma Y SLV	0	24.9	0	0	5.1E1	1.227
23561	11124	Sisma X SLO	13.3	0	0	0	5.1E1	1.227	23562	11124	Sisma Y SLO	0	13.3	0	0	5.1E1	1.227
23563	11124	Sisma X SLD	11	0	0	0	5.1E1	1.227	23564	11124	Sisma Y SLD	0	11	0	0	5.1E1	1.227
23565	11125	Sisma X SLV	31.1	0	0	0	63.36	1.227	23566	11125	Sisma Y SLV	0	31.1	0	0	63.36	1.227
23567	11125	Sisma X SLO	16.6	0	0	0	63.36	1.227	23568	11125	Sisma Y SLO	0	16.6	0	0	63.36	1.227
23569	11125	Sisma X SLD	13.7	0	0	0	63.36	1.227	23570	11125	Sisma Y SLD	0	13.7	0	0	63.36	1.227
23571	11126	Sisma X SLV	15.9	0	0	0	3.2E1	1.227	23572	11126	Sisma Y SLV	0	15.9	0	0	3.2E1	1.227
23573	11126	Sisma X SLO	8.5	0	0	0	3.2E1	1.227	23574	11126	Sisma Y SLO	0	8.5	0	0	3.2E1	1.227
23575	11126	Sisma X SLD	7	0	0	0	3.2E1	1.227	23576	11126	Sisma Y SLD	0	7	0	0	3.2E1	1.227
23577	11127	Sisma X SLV	48	0	0	0	9.8E1	1.227	23578	11127	Sisma Y SLV	0	48	0	0	9.8E1	1.227
23579	11127	Sisma X SLO	25.6	0	0	0	9.8E1	1.227	23580	11127	Sisma Y SLO	0	25.6	0	0	9.8E1	1.227
23581	11127	Sisma X SLD	21.2	0	0	0	9.8E1	1.227	23582	11127	Sisma Y SLD	0	21.2	0	0	9.8E1	1.227
23583	11128	Sisma X SLV	48	0	0	0	9.8E1	1.227	23584	11128	Sisma Y SLV	0	48	0	0	9.8E1	1.227
23585	11128	Sisma X SLO	25.6	0	0	0	9.8E1	1.227	23586	11128	Sisma Y SLO	0	25.6	0	0	9.8E1	1.227
23587	11128	Sisma X SLD	21.3	0	0	0	9.8E1	1.227	23588	11128	Sisma Y SLD	0	21.3	0	0	9.8E1	1.227
23589	11129	Sisma X SLV	77.1	0	0	0	1.6E2	1.228	23590	11129	Sisma Y SLV	0	77.1	0	0	1.6E2	1.228
23591	11129	Sisma X SLO	41.1	0	0	0	1.6E2	1.228	23592	11129	Sisma Y SLO	0	41.1	0	0	1.6E2	1.228
23593	11129	Sisma X SLD	34.1	0	0	0	1.6E2	1.228	23594	11129	Sisma Y SLD	0	34.1	0	0	1.6E2	1.228
23595	11130	Sisma X SLV	56.5	0	0	0	1.1E2	1.228	23596	11130	Sisma Y SLV	0	56.5	0	0	1.1E2	1.228
23597	11130	Sisma X SLO	30.1	0	0	0	1.1E2	1.228	23598	11130	Sisma Y SLO	0	30.1	0	0	1.1E2	1.228
23599	11130	Sisma X SLD	25	0	0	0	1.1E2	1.228	23600	11130	Sisma Y SLD	0	25	0	0	1.1E2	1.228
23601	11131	Sisma X SLV	36.6	0	0	0	7.4E1	1.228	23602	11131	Sisma Y SLV	0	36.6	0	0	7.4E1	1.228
23603	11131	Sisma X SLO	19.5	0	0	0	7.4E1	1.228	23604	11131	Sisma Y SLO	0	19.5	0	0	7.4E1	1.228
23605	11131	Sisma X SLD	16.2	0	0	0	7.4E1	1.228	23606	11131	Sisma Y SLD	0	16.2	0	0	7.4E1	1.228
23607	11132	Sisma X SLV	75.3	0	0	0	1.5E2	1.229	23608	11132	Sisma Y SLV	0	75.3	0	0	1.5E2	1.229
23609	11132	Sisma X SLO	40.2	0	0	0	1.5E2	1.229	23610	11132	Sisma Y SLO	0	40.2	0	0	1.5E2	1.229
23611	11132	Sisma X SLD	33.3	0	0	0	1.5E2	1.229	23612	11132	Sisma Y SLD	0	33.3	0	0	1.5E2	1.229
23613	11133	Sisma X SLV	50.1	0	0	0	1.0E2	1.229	23614	11133	Sisma Y SLV	0	50.1	0	0	1.0E2	1.229
23615	11133	Sisma X SLO	26.7	0	0	0	1.0E2	1.229	23616	11133	Sisma Y SLO	0	26.7	0	0	1.0E2	1.229
23617	11133	Sisma X SLD	22.2	0	0	0	1.0E2	1.229	23618	11133	Sisma Y SLD	0	22.2	0	0	1.0E2	1.229
23619	11134	Sisma X SLV	37	0	0	0	7.5E1	1.229	23620	11134	Sisma Y SLV	0	37	0	0	7.5E1	1.229
23621	11134	Sisma X SLO	19.7	0	0	0	7.5E1	1.229	23622	11134	Sisma Y SLO	0	19.7	0	0	7.5E1	1.229
23623	11134	Sisma X SLD	16.4	0	0	0	7.5E1	1.229	23624	11134	Sisma Y SLD	0	16.4	0	0	7.5E1	1.229
23625	11135	Sisma X SLV	63.8	0	0	0	1.3E2	1.23	23626	11135	Sisma Y SLV	0	63.8	0	0	1.3E2	1.23
23627	11135	Sisma X SLO	34	0	0	0	1.3E2	1.23	23628	11135	Sisma Y SLO	0	34	0	0	1.3E2	1.23
23629	11135	Sisma X SLD	28.2	0	0	0	1.3E2	1.23	23630	11135	Sisma Y SLD	0	28.2	0	0	1.3E2	1.23
23631	11136	Sisma X SLV	73.3	0	0	0	1.5E2	1.23	23632	11136	Sisma Y SLV	0	73.3	0	0	1.5E2	1.23
23633	11136	Sisma X SLO	39.1	0	0	0	1.5E2	1.23	23634	11136	Sisma Y SLO	0	39.1	0	0	1.5E2	1.23
23635	11136	Sisma X SLD	32.4	0	0	0	1.5E2	1.23	23636	11136	Sisma Y SLD	0	32.4	0	0	1.5E2	1.23
23637	11137	Sisma X SLV	58	0	0	0	1.2E2	1.231	23638	11137	Sisma Y SLV	0	58	0	0	1.2E2	1.231
23639	11137	Sisma X SLO	30.9	0	0	0	1.2E2	1.231	23640	11137	Sisma Y SLO	0	30.9	0	0	1.2E2	1.231
23641	11137	Sisma X SLD	25.7	0	0	0	1.2E2	1.231	23642	11137	Sisma Y SLD	0	25.7	0	0	1.2E2	1.231
23643	11138	Sisma X SLV	45.1	0	0	0	91.63	1.231	23644	11138	Sisma Y SLV	0	45.1	0	0	91.63	1.231
23645	11138	Sisma X SLO	24	0	0	0	91.63	1.231	23646	11138	Sisma Y SLO	0	24	0	0	91.63	1.231
23647	11138	Sisma X SLD	19.9	0	0	0	91.63	1.231	23648	11138	Sisma Y SLD	0	19.9	0	0	91.63	1.231
23649	11139	Sisma X SLV	62.2	0	0	0	1.3E2	1.231	23650	11139	Sisma Y SLV	0	62.2	0	0	1.3E2	1.231
23651	11139	Sisma X SLO	33.2	0	0	0	1.3E2	1.231	23652	11139	Sisma Y SLO	0	33.2	0	0	1.3E2	1.231
23653	11139	Sisma X SLD	27.5	0	0	0	1.3E2	1.231	23654	11139	Sisma Y SLD	0	27.5	0	0	1.3E2	1.231
23655	11140	Sisma X SLV	30.7	0	0	0	6.2E1	1.231	23656	11140	Sisma Y SLV	0	30.7	0	0	6.2E1	1.231
23657	11140	Sisma X SLO	16.3	0	0	0	6.2E1	1.231	23658	11140	Sisma Y SLO	0	16.3	0	0	6.2E1	1.231
23659	11140	Sisma X SLD	13.6	0	0	0	6.2E1	1.231	23660	11140	Sisma Y SLD	0	13.6	0	0	6.2E1	1.231
23661	11141	Sisma X SLV	86	0	0	0	1.7E2	1.232	23662	11141	Sisma Y SLV	0	86	0	0	1.7E2	1.232
23663	11141	Sisma X SLO	45.9	0	0	0	1.7E2	1.232	23664	11141	Sisma Y SLO	0	45.9	0	0	1.7E2	1.232
23665	11141	Sisma X SLD	38.1	0	0	0	1.7E2	1.232	23666	11141	Sisma Y SLD	0	38.1	0	0	1.7E2	1.232
23667	11142	Sisma X SLV	59.1	0	0	0	1.2E2	1.232	23668	11142	Sisma Y SLV	0	59.1	0	0	1.2E2	1.232
23669	11142	Sisma X SLO	31.5	0	0	0	1.2E2	1.232	23670	11142	Sisma Y SLO	0	31.5	0	0	1.2E2	1.232
23671	11142	Sisma X SLD	26.2	0	0	0	1.2E2	1.232	23672	11142	Sisma Y SLD	0	26.2	0	0	1.2E2	1.232
23673	11143	Sisma X SLV	63.7	0	0	0	1.3E2	1.232	23674	11143	Sisma Y SLV	0	63.7	0	0	1.3E2	1.232
23675	11143	Sisma X SLO	34	0	0	0	1.3E2	1.232	23676	11143	Sisma Y SLO	0	34	0	0	1.3E2	1.232
23677	11143	Sisma X SLD	28.2	0	0	0	1.3E2	1.232	23678	11143	Sisma Y SLD	0	28.2	0	0	1.3E2	1.232
23679	11144	Sisma X SLV	61.3	0	0	0	1.2E2	1.233	23680	11144	Sisma Y SLV	0	61.3	0	0	1.2E2	1.233
23681	11144	Sisma X SLO	32.7	0	0	0	1.2E2	1.233	23682	11144	Sisma Y SLO	0	32.7	0	0	1.2E2	1.233
23683	11144	Sisma X SLD	27.1	0	0	0	1.2E2	1.233	23684	11144	Sisma Y SLD	0	27.1	0	0	1.2E2	1.233
23685	11145	Sisma X SLV	62.3	0	0	0	1.3E2	1.233	23686	11145	Sisma Y SLV	0	62.3	0	0	1.3E2	1.233
23687	11145	Sisma X SLO	33.2	0	0	0	1.3E2	1.233	23688	11145	Sisma Y SLO	0	33.2	0	0	1.3E2	1.233
23689	11145	Sisma X SLD	27.6	0	0	0	1.3E2	1.233	23690	11145	Sisma Y SLD	0	27.6	0	0	1.3E2	1.233
23691	11146	Sisma X SLV	71.1	0	0	0	1.4E2	1.233	23692	11146	Sisma Y SLV	0	71.1	0	0	1.4E2	1.233
23693	11146	Sisma X SLO	37.9	0	0	0	1.4E2	1.233	23694	11146	Sisma Y SLO	0	37.9	0	0	1.4E2	1.233
23695	11146	Sisma X SLD	31.5	0	0	0	1.4E2	1.233	23696	11146	Sisma Y SLD	0	31.5	0	0	1.4E2	1.233
23697	11147	Sisma X SLV	36.5	0	0	0	7.4E1	1.236	23698	11147	Sisma Y SLV	0	36.5	0	0	7.4E1	1.236
23699	11147	Sisma X SLO	19.4	0	0	0	7.4E1	1.236	23700	11147	Sisma Y SLO	0	19.4	0	0	7.4E1	1.236
23701	11147	Sisma X SLD	16.1	0	0	0	7.4E1	1.236	23702	11147	Sisma Y SLD	0	16.1	0	0	7.4E1	1.236
23703	11148	Sisma X SLV	69.4	0	0	0	1.4E2	1.237	23704	11148	Sisma Y SLV	0	69.4	0	0	1.4E2	1.237
23705	11148	Sisma X SLO	37	0	0	0	1.4E2	1.237	23706	11148	Sisma Y SLO	0	37	0	0	1.4E2	1.237
23707	11148	Sisma X SLD	30.7	0	0	0	1.4E2	1.237	23708	11148	Sisma Y SLD	0	30.7	0	0	1.4E2	1.237
23709	11149	Sisma X SLV	61.7	0	0	0	1.2E2	1.237	23710	11149	Sisma Y SLV	0	61.7	0	0	1.2E2	1.237
23711	11149	Sisma X SLO	32.9	0	0	0	1.2E2	1.237	23712	11149	Sisma Y SLO	0	32.9	0	0	1.2E2	1.237

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
23713	11149	Sisma X SLD	27.3	0	0	0	1.2E2	1.237	23714	11149	Sisma Y SLD	0	27.3	0	0	1.2E2	1.237
23715	11150	Sisma X SLV	64.9	0	0	0	1.3E2	1.238	23716	11150	Sisma Y SLV	0	64.9	0	0	1.3E2	1.238
23717	11150	Sisma X SLO	34.6	0	0	0	1.3E2	1.238	23718	11150	Sisma Y SLO	0	34.6	0	0	1.3E2	1.238
23719	11150	Sisma X SLD	28.7	0	0	0	1.3E2	1.238	23720	11150	Sisma Y SLD	0	28.7	0	0	1.3E2	1.238
23721	11151	Sisma X SLV	24.6	0	0	0	5.0E1	1.243	23722	11151	Sisma Y SLV	0	24.6	0	0	5.0E1	1.243
23723	11151	Sisma X SLO	13.1	0	0	0	5.0E1	1.243	23724	11151	Sisma Y SLO	0	13.1	0	0	5.0E1	1.243
23725	11151	Sisma X SLD	10.9	0	0	0	5.0E1	1.243	23726	11151	Sisma Y SLD	0	10.9	0	0	5.0E1	1.243
23727	11152	Sisma X SLV	33.6	0	0	0	6.8E1	1.243	23728	11152	Sisma Y SLV	0	33.6	0	0	6.8E1	1.243
23729	11152	Sisma X SLO	17.9	0	0	0	6.8E1	1.243	23730	11152	Sisma Y SLO	0	17.9	0	0	6.8E1	1.243
23731	11152	Sisma X SLD	14.9	0	0	0	6.8E1	1.243	23732	11152	Sisma Y SLD	0	14.9	0	0	6.8E1	1.243
23733	11153	Sisma X SLV	44.1	0	0	0	8.9E1	1.243	23734	11153	Sisma Y SLV	0	44.1	0	0	8.9E1	1.243
23735	11153	Sisma X SLO	23.5	0	0	0	8.9E1	1.243	23736	11153	Sisma Y SLO	0	23.5	0	0	8.9E1	1.243
23737	11153	Sisma X SLD	19.5	0	0	0	8.9E1	1.243	23738	11153	Sisma Y SLD	0	19.5	0	0	8.9E1	1.243
23739	11154	Sisma X SLV	24.7	0	0	0	5.0E1	1.244	23740	11154	Sisma Y SLV	0	24.7	0	0	5.0E1	1.244
23741	11154	Sisma X SLO	13.1	0	0	0	5.0E1	1.244	23742	11154	Sisma Y SLO	0	13.1	0	0	5.0E1	1.244
23743	11154	Sisma X SLD	10.9	0	0	0	5.0E1	1.244	23744	11154	Sisma Y SLD	0	10.9	0	0	5.0E1	1.244
23745	11155	Sisma X SLV	9.3	0	0	0	1.9E1	1.246	23746	11155	Sisma Y SLV	0	9.3	0	0	1.9E1	1.246
23747	11155	Sisma X SLO	5	0	0	0	1.9E1	1.246	23748	11155	Sisma Y SLO	0	5	0	0	1.9E1	1.246
23749	11155	Sisma X SLD	4.1	0	0	0	1.9E1	1.246	23750	11155	Sisma Y SLD	0	4.1	0	0	1.9E1	1.246
23751	11156	Sisma X SLV	9.9	0	0	0	2.0E1	1.247	23752	11156	Sisma Y SLV	0	9.9	0	0	2.0E1	1.247
23753	11156	Sisma X SLO	5.3	0	0	0	2.0E1	1.247	23754	11156	Sisma Y SLO	0	5.3	0	0	2.0E1	1.247
23755	11156	Sisma X SLD	4.4	0	0	0	2.0E1	1.247	23756	11156	Sisma Y SLD	0	4.4	0	0	2.0E1	1.247
23757	11157	Sisma X SLV	9.1	0	0	0	1.8E1	1.247	23758	11157	Sisma Y SLV	0	9.1	0	0	1.8E1	1.247
23759	11157	Sisma X SLO	4.9	0	0	0	1.8E1	1.247	23760	11157	Sisma Y SLO	0	4.9	0	0	1.8E1	1.247
23761	11157	Sisma X SLD	4	0	0	0	1.8E1	1.247	23762	11157	Sisma Y SLD	0	4	0	0	1.8E1	1.247
23763	11158	Sisma X SLV	31.1	0	0	0	6.2E1	1.247	23764	11158	Sisma Y SLV	0	31.1	0	0	6.2E1	1.247
23765	11158	Sisma X SLO	16.6	0	0	0	6.2E1	1.247	23766	11158	Sisma Y SLO	0	16.6	0	0	6.2E1	1.247
23767	11158	Sisma X SLD	13.8	0	0	0	6.2E1	1.247	23768	11158	Sisma Y SLD	0	13.8	0	0	6.2E1	1.247
23769	11159	Sisma X SLV	9.9	0	0	0	2.0E1	1.248	23770	11159	Sisma Y SLV	0	9.9	0	0	2.0E1	1.248
23771	11159	Sisma X SLO	5.3	0	0	0	2.0E1	1.248	23772	11159	Sisma Y SLO	0	5.3	0	0	2.0E1	1.248
23773	11159	Sisma X SLD	4.4	0	0	0	2.0E1	1.248	23774	11159	Sisma Y SLD	0	4.4	0	0	2.0E1	1.248
23775	11160	Sisma X SLV	21.8	0	0	0	4.4E1	1.251	23776	11160	Sisma Y SLV	0	21.8	0	0	4.4E1	1.251
23777	11160	Sisma X SLO	11.6	0	0	0	4.4E1	1.251	23778	11160	Sisma Y SLO	0	11.6	0	0	4.4E1	1.251
23779	11160	Sisma X SLD	9.7	0	0	0	4.4E1	1.251	23780	11160	Sisma Y SLD	0	9.7	0	0	4.4E1	1.251
23781	11161	Sisma X SLV	21.8	0	0	0	4.4E1	1.252	23782	11161	Sisma Y SLV	0	21.8	0	0	4.4E1	1.252
23783	11161	Sisma X SLO	11.6	0	0	0	4.4E1	1.252	23784	11161	Sisma Y SLO	0	11.6	0	0	4.4E1	1.252
23785	11161	Sisma X SLD	9.7	0	0	0	4.4E1	1.252	23786	11161	Sisma Y SLD	0	9.7	0	0	4.4E1	1.252
23787	11162	Sisma X SLV	27.7	0	0	0	5.5E1	1.255	23788	11162	Sisma Y SLV	0	27.7	0	0	5.5E1	1.255
23789	11162	Sisma X SLO	14.8	0	0	0	5.5E1	1.255	23790	11162	Sisma Y SLO	0	14.8	0	0	5.5E1	1.255
23791	11162	Sisma X SLD	12.3	0	0	0	5.5E1	1.255	23792	11162	Sisma Y SLD	0	12.3	0	0	5.5E1	1.255
23793	11163	Sisma X SLV	17.2	0	0	0	3.4E1	1.256	23794	11163	Sisma Y SLV	0	17.2	0	0	3.4E1	1.256
23795	11163	Sisma X SLO	9.2	0	0	0	3.4E1	1.256	23796	11163	Sisma Y SLO	0	9.2	0	0	3.4E1	1.256
23797	11163	Sisma X SLD	7.6	0	0	0	3.4E1	1.256	23798	11163	Sisma Y SLD	0	7.6	0	0	3.4E1	1.256
23799	11164	Sisma X SLV	17.8	0	0	0	3.5E1	1.256	23800	11164	Sisma Y SLV	0	17.8	0	0	3.5E1	1.256
23801	11164	Sisma X SLO	9.5	0	0	0	3.5E1	1.256	23802	11164	Sisma Y SLO	0	9.5	0	0	3.5E1	1.256
23803	11164	Sisma X SLD	7.9	0	0	0	3.5E1	1.256	23804	11164	Sisma Y SLD	0	7.9	0	0	3.5E1	1.256
23805	11165	Sisma X SLV	17.9	0	0	0	3.6E1	1.257	23806	11165	Sisma Y SLV	0	17.9	0	0	3.6E1	1.257
23807	11165	Sisma X SLO	9.5	0	0	0	3.6E1	1.257	23808	11165	Sisma Y SLO	0	9.5	0	0	3.6E1	1.257
23809	11165	Sisma X SLD	7.9	0	0	0	3.6E1	1.257	23810	11165	Sisma Y SLD	0	7.9	0	0	3.6E1	1.257
23811	11166	Sisma X SLV	82.7	0	0	0	1.6E2	1.258	23812	11166	Sisma Y SLV	0	82.7	0	0	1.6E2	1.258
23813	11166	Sisma X SLO	44.1	0	0	0	1.6E2	1.258	23814	11166	Sisma Y SLO	0	44.1	0	0	1.6E2	1.258
23815	11166	Sisma X SLD	36.6	0	0	0	1.6E2	1.258	23816	11166	Sisma Y SLD	0	36.6	0	0	1.6E2	1.258
23817	11167	Sisma X SLV	17.6	0	0	0	3.5E1	1.258	23818	11167	Sisma Y SLV	0	17.6	0	0	3.5E1	1.258
23819	11167	Sisma X SLO	9.4	0	0	0	3.5E1	1.258	23820	11167	Sisma Y SLO	0	9.4	0	0	3.5E1	1.258
23821	11167	Sisma X SLD	7.8	0	0	0	3.5E1	1.258	23822	11167	Sisma Y SLD	0	7.8	0	0	3.5E1	1.258
23823	11168	Sisma X SLV	15	0	0	0	3.0E1	1.258	23824	11168	Sisma Y SLV	0	15	0	0	3.0E1	1.258
23825	11168	Sisma X SLO	8	0	0	0	3.0E1	1.258	23826	11168	Sisma Y SLO	0	8	0	0	3.0E1	1.258
23827	11168	Sisma X SLD	6.6	0	0	0	3.0E1	1.258	23828	11168	Sisma Y SLD	0	6.6	0	0	3.0E1	1.258
23829	11169	Sisma X SLV	15.5	0	0	0	3.1E1	1.258	23830	11169	Sisma Y SLV	0	15.5	0	0	3.1E1	1.258
23831	11169	Sisma X SLO	8.2	0	0	0	3.1E1	1.258	23832	11169	Sisma Y SLO	0	8.2	0	0	3.1E1	1.258
23833	11169	Sisma X SLD	6.8	0	0	0	3.1E1	1.258	23834	11169	Sisma Y SLD	0	6.8	0	0	3.1E1	1.258
23835	11170	Sisma X SLV	14.9	0	0	0	3.0E1	1.259	23836	11170	Sisma Y SLV	0	14.9	0	0	3.0E1	1.259
23837	11170	Sisma X SLO	8	0	0	0	3.0E1	1.259	23838	11170	Sisma Y SLO	0	8	0	0	3.0E1	1.259
23839	11170	Sisma X SLD	6.6	0	0	0	3.0E1	1.259	23840	11170	Sisma Y SLD	0	6.6	0	0	3.0E1	1.259
23841	11171	Sisma X SLV	17.1	0	0	0	3.4E1	1.259	23842	11171	Sisma Y SLV	0	17.1	0	0	3.4E1	1.259
23843	11171	Sisma X SLO	9.1	0	0	0	3.4E1	1.259	23844	11171	Sisma Y SLO	0	9.1	0	0	3.4E1	1.259
23845	11171	Sisma X SLD	7.6	0	0	0	3.4E1	1.259	23846	11171	Sisma Y SLD	0	7.6	0	0	3.4E1	1.259
23847	11172	Sisma X SLV	18.8	0	0	0	3.7E1	1.26	23848	11172	Sisma Y SLV	0	18.8	0	0	3.7E1	1.26
23849	11172	Sisma X SLO	10	0	0	0	3.7E1	1.26	23850	11172	Sisma Y SLO	0	10	0	0	3.7E1	1.26
23851	11172	Sisma X SLD	8.3	0	0	0	3.7E1	1.26	23852	11172	Sisma Y SLD	0	8.3	0	0	3.7E1	1.26
23853	11173	Sisma X SLV	15	0	0	0	3.0E1	1.26	23854	11173	Sisma Y SLV	0	15	0	0	3.0E1	1.26
23855	11173	Sisma X SLO	8	0	0	0	3.0E1	1.26	23856	11173	Sisma Y SLO	0	8	0	0	3.0E1	1.26
23857	11173	Sisma X SLD	6.6	0	0	0	3.0E1	1.26	23858	11173	Sisma Y SLD	0	6.6	0	0	3.0E1	1.26
23859	11174	Sisma X SLV	15.6	0	0	0	3.1E1	1.26	23860	11174	Sisma Y SLV	0	15.6	0	0	3.1E1	1.26
23861	11174	Sisma X SLO	8.3	0	0	0	3.1E1	1.26	23862	11174	Sisma Y SLO	0	8.3	0	0	3.1E1	1.26
23863	11174	Sisma X SLD	6.9	0	0	0	3.1E1	1.26	23864	11174	Sisma Y SLD	0	6.9	0	0	3.1E1	1.26
23865	11175	Sisma X SLV	15	0	0	0	3.0E1	1.261	23866	11175	Sisma Y SLV	0	15	0	0	3.0E1	1.261
23867	11175	Sisma X SLO	8	0	0	0	3.0E1	1.261	23868	11175	Sisma Y SLO	0	8	0	0	3.0E1	1.261
23869	11175	Sisma X SLD	6.6	0	0	0	3.0E1	1.261	23870	11175	Sisma Y SLD	0	6.6	0	0	3.0E1	1.261
23871	11176	Sisma X SLV	15.4	0	0	0	3.1E1	1.261	23872	11176	Sisma Y SLV	0	15.4	0	0	3.1E1	1.261
23873	11176	Sisma X SLO	8.2	0	0	0	3.1E1	1.261	23874	11176	Sisma Y SLO	0	8.2	0	0	3.1E1	1.261
23875	11176	Sisma X SLD	6.8	0	0	0	3.1E1	1.261	23876	11176	Sisma Y SLD	0	6.8	0	0	3.1E1	1.261
23877	11177	Sisma X SLV	21.4	0	0	0	4.2E1	1.263	23878	11177	Sisma Y SLV	0	21.4	0	0	4.2E1	1.263
23879	11177	Sisma X SLO	11.4	0	0	0	4.2E1	1.263	23880	11177	Sisma Y SLO	0	11.4	0	0	4.2E1	1.263
23881	11177	Sisma X SLD	9.5	0	0	0	4.2E1	1.263	23882	11177	Sisma Y SLD	0	9.5	0	0	4.2E1	1.263
23883	11178	Sisma X SLV	16.4	0	0	0	3.2E1	1.263	23884	11178	Sisma Y SLV	0	16.4	0	0	3.2E1	1.263
23885	11178	Sisma X SLO	8.7	0	0	0	3.2E1	1.263	23886	11178	Sisma Y SLO	0	8.7	0	0	3.2E1	1.263
23887	11178	Sisma X SLD	7.3	0	0	0	3.2E1	1.263	23888	11178	Sisma Y SLD	0	7.3	0	0	3.2E1	1.263
23889	11179	Sisma X SLV	19.2	0	0	0	3.8E1	1.266	23890	11179	Sisma Y SLV	0	19.2	0	0	3.8E1	1.266
23891	11179	Sisma X SLO	10.2	0	0	0	3.8E1	1.266	23892	11179	Sisma Y SLO	0	10.2	0	0	3.8E1	1.266
23893	11179	Sisma X SLD	8.5	0	0	0	3.8E1	1.266	23894	11179	Sisma Y SLD	0	8.5	0	0	3.8E1	1.266
23895	11180	Sisma X SLV	19.5	0	0	0	3.9E1	1.266	23896	11180	Sisma Y SLV	0	19.5	0	0	3.9E1	1.266
23897	11180	Sisma X SLO	10.4	0	0	0	3.9E1	1.266	23898	11180	Sisma Y SLO	0	10.4	0	0	3.9E1	1.266
23899	11180	Sisma X SLD	8.6	0	0	0	3.9E1	1.266	23900	11180	Sisma Y SLD	0	8.6	0	0	3.9E1	1.266
23901	11181	Sisma X SLV	18.5	0	0	0	3.7E1	1.266	23902	11181	Sisma Y SLV	0	18.5	0	0	3.7E1	1.266
23903	11181	Sisma X SLO	9.9	0	0	0	3.7E1	1.266	23904	11181	Sisma Y SLO	0	9.9	0	0	3.7E1	1.266
23905	11181	Sisma X SLD	8.2	0	0	0	3.7E1	1.266	23906	11181	Sisma Y SLD	0	8.2	0	0	3.7E1	1.266
23907	11182	Sisma X SLV	20.3	0	0	0	4.0E1	1.266	23908	11182	Sisma Y SLV	0	20.3	0	0	4.0E1	1.266
23909	11182	Sisma X SLO	10.8	0	0	0	4.0E1	1.266	23910	11182	Sisma Y SLO	0	10.8	0	0	4.0E1	1.266
23911	11182	Sisma X SLD	9	0	0	0	4.0E1	1.266	23912	11182	Sisma Y SLD	0	9	0	0	4.0E1	1.266

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
23913	11183	Sisma X SLV	20.4	0	0	0	4.0E1	1.268	23914	11183	Sisma Y SLV	0	20.4	0	0	4.0E1	1.268
23915	11183	Sisma X SLO	10.9	0	0	0	4.0E1	1.268	23916	11183	Sisma Y SLO	0	10.9	0	0	4.0E1	1.268
23917	11183	Sisma X SLD	9	0	0	0	4.0E1	1.268	23918	11183	Sisma Y SLD	0	9	0	0	4.0E1	1.268
23919	11184	Sisma X SLV	18.2	0	0	0	3.6E1	1.268	23920	11184	Sisma Y SLV	0	18.2	0	0	3.6E1	1.268
23921	11184	Sisma X SLO	9.7	0	0	0	3.6E1	1.268	23922	11184	Sisma Y SLO	0	9.7	0	0	3.6E1	1.268
23923	11184	Sisma X SLD	8	0	0	0	3.6E1	1.268	23924	11184	Sisma Y SLD	0	8	0	0	3.6E1	1.268
23925	11185	Sisma X SLV	22.4	0	0	0	4.4E1	1.268	23926	11185	Sisma Y SLV	0	22.4	0	0	4.4E1	1.268
23927	11185	Sisma X SLO	12	0	0	0	4.4E1	1.268	23928	11185	Sisma Y SLO	0	12	0	0	4.4E1	1.268
23929	11185	Sisma X SLD	9.9	0	0	0	4.4E1	1.268	23930	11185	Sisma Y SLD	0	9.9	0	0	4.4E1	1.268
23931	11186	Sisma X SLV	19.9	0	0	0	3.9E1	1.268	23932	11186	Sisma Y SLV	0	19.9	0	0	3.9E1	1.268
23933	11186	Sisma X SLO	10.6	0	0	0	3.9E1	1.268	23934	11186	Sisma Y SLO	0	10.6	0	0	3.9E1	1.268
23935	11186	Sisma X SLD	8.8	0	0	0	3.9E1	1.268	23936	11186	Sisma Y SLD	0	8.8	0	0	3.9E1	1.268
23937	11187	Sisma X SLV	73.9	0	0	0	1.5E2	1.268	23938	11187	Sisma Y SLV	0	73.9	0	0	1.5E2	1.268
23939	11187	Sisma X SLO	39.4	0	0	0	1.5E2	1.268	23940	11187	Sisma Y SLO	0	39.4	0	0	1.5E2	1.268
23941	11187	Sisma X SLD	32.7	0	0	0	1.5E2	1.268	23942	11187	Sisma Y SLD	0	32.7	0	0	1.5E2	1.268
23943	11188	Sisma X SLV	75.1	0	0	0	1.5E2	1.269	23944	11188	Sisma Y SLV	0	75.1	0	0	1.5E2	1.269
23945	11188	Sisma X SLO	40	0	0	0	1.5E2	1.269	23946	11188	Sisma Y SLO	0	40	0	0	1.5E2	1.269
23947	11188	Sisma X SLD	33.2	0	0	0	1.5E2	1.269	23948	11188	Sisma Y SLD	0	33.2	0	0	1.5E2	1.269
23949	11189	Sisma X SLV	14.5	0	0	0	28.54	1.272	23950	11189	Sisma Y SLV	0	14.5	0	0	28.54	1.272
23951	11189	Sisma X SLO	7.7	0	0	0	28.54	1.272	23952	11189	Sisma Y SLO	0	7.7	0	0	28.54	1.272
23953	11189	Sisma X SLD	6.4	0	0	0	28.54	1.272	23954	11189	Sisma Y SLD	0	6.4	0	0	28.54	1.272
23955	11190	Sisma X SLV	15	0	0	0	3.0E1	1.273	23956	11190	Sisma Y SLV	0	15	0	0	3.0E1	1.273
23957	11190	Sisma X SLO	8	0	0	0	3.0E1	1.273	23958	11190	Sisma Y SLO	0	8	0	0	3.0E1	1.273
23959	11190	Sisma X SLD	6.7	0	0	0	3.0E1	1.273	23960	11190	Sisma Y SLD	0	6.7	0	0	3.0E1	1.273
23961	11191	Sisma X SLV	14.3	0	0	0	2.8E1	1.274	23962	11191	Sisma Y SLV	0	14.3	0	0	2.8E1	1.274
23963	11191	Sisma X SLO	7.6	0	0	0	2.8E1	1.274	23964	11191	Sisma Y SLO	0	7.6	0	0	2.8E1	1.274
23965	11191	Sisma X SLD	6.3	0	0	0	2.8E1	1.274	23966	11191	Sisma Y SLD	0	6.3	0	0	2.8E1	1.274
23967	11192	Sisma X SLV	15.2	0	0	0	3.0E1	1.274	23968	11192	Sisma Y SLV	0	15.2	0	0	3.0E1	1.274
23969	11192	Sisma X SLO	8.1	0	0	0	3.0E1	1.274	23970	11192	Sisma Y SLO	0	8.1	0	0	3.0E1	1.274
23971	11192	Sisma X SLD	6.7	0	0	0	3.0E1	1.274	23972	11192	Sisma Y SLD	0	6.7	0	0	3.0E1	1.274
23973	11193	Sisma X SLV	37	0	0	0	7.2E1	1.277	23974	11193	Sisma Y SLV	0	37	0	0	7.2E1	1.277
23975	11193	Sisma X SLO	19.7	0	0	0	7.2E1	1.277	23976	11193	Sisma Y SLO	0	19.7	0	0	7.2E1	1.277
23977	11193	Sisma X SLD	16.4	0	0	0	7.2E1	1.277	23978	11193	Sisma Y SLD	0	16.4	0	0	7.2E1	1.277
23979	11194	Sisma X SLV	56.3	0	0	0	1.1E2	1.277	23980	11194	Sisma Y SLV	0	56.3	0	0	1.1E2	1.277
23981	11194	Sisma X SLO	30	0	0	0	1.1E2	1.277	23982	11194	Sisma Y SLO	0	30	0	0	1.1E2	1.277
23983	11194	Sisma X SLD	24.9	0	0	0	1.1E2	1.277	23984	11194	Sisma Y SLD	0	24.9	0	0	1.1E2	1.277
23985	11195	Sisma X SLV	33	0	0	0	6.5E1	1.278	23986	11195	Sisma Y SLV	0	33	0	0	6.5E1	1.278
23987	11195	Sisma X SLO	17.6	0	0	0	6.5E1	1.278	23988	11195	Sisma Y SLO	0	17.6	0	0	6.5E1	1.278
23989	11195	Sisma X SLD	14.6	0	0	0	6.5E1	1.278	23990	11195	Sisma Y SLD	0	14.6	0	0	6.5E1	1.278
23991	11196	Sisma X SLV	47.1	0	0	0	9.2E1	1.28	23992	11196	Sisma Y SLV	0	47.1	0	0	9.2E1	1.28
23993	11196	Sisma X SLO	25.1	0	0	0	9.2E1	1.28	23994	11196	Sisma Y SLO	0	25.1	0	0	9.2E1	1.28
23995	11196	Sisma X SLD	20.8	0	0	0	9.2E1	1.28	23996	11196	Sisma Y SLD	0	20.8	0	0	9.2E1	1.28
23997	11197	Sisma X SLV	36.7	0	0	0	7.2E1	1.28	23998	11197	Sisma Y SLV	0	36.7	0	0	7.2E1	1.28
23999	11197	Sisma X SLO	19.6	0	0	0	7.2E1	1.28	24000	11197	Sisma Y SLO	0	19.6	0	0	7.2E1	1.28
24001	11197	Sisma X SLD	16.2	0	0	0	7.2E1	1.28	24002	11197	Sisma Y SLD	0	16.2	0	0	7.2E1	1.28
24003	11198	Sisma X SLV	34.6	0	0	0	6.8E1	1.281	24004	11198	Sisma Y SLV	0	34.6	0	0	6.8E1	1.281
24005	11198	Sisma X SLO	18.4	0	0	0	6.8E1	1.281	24006	11198	Sisma Y SLO	0	18.4	0	0	6.8E1	1.281
24007	11198	Sisma X SLD	15.3	0	0	0	6.8E1	1.281	24008	11198	Sisma Y SLD	0	15.3	0	0	6.8E1	1.281
24009	11199	Sisma X SLV	47.2	0	0	0	9.2E1	1.281	24010	11199	Sisma Y SLV	0	47.2	0	0	9.2E1	1.281
24011	11199	Sisma X SLO	25.2	0	0	0	9.2E1	1.281	24012	11199	Sisma Y SLO	0	25.2	0	0	9.2E1	1.281
24013	11199	Sisma X SLD	20.9	0	0	0	9.2E1	1.281	24014	11199	Sisma Y SLD	0	20.9	0	0	9.2E1	1.281
24015	11200	Sisma X SLV	42.1	0	0	0	8.2E1	1.281	24016	11200	Sisma Y SLV	0	42.1	0	0	8.2E1	1.281
24017	11200	Sisma X SLO	22.4	0	0	0	8.2E1	1.281	24018	11200	Sisma Y SLO	0	22.4	0	0	8.2E1	1.281
24019	11200	Sisma X SLD	18.6	0	0	0	8.2E1	1.281	24020	11200	Sisma Y SLD	0	18.6	0	0	8.2E1	1.281
24021	11201	Sisma X SLV	47.4	0	0	0	9.2E1	1.282	24022	11201	Sisma Y SLV	0	47.4	0	0	9.2E1	1.282
24023	11201	Sisma X SLO	25.2	0	0	0	9.2E1	1.282	24024	11201	Sisma Y SLO	0	25.2	0	0	9.2E1	1.282
24025	11201	Sisma X SLD	21	0	0	0	9.2E1	1.282	24026	11201	Sisma Y SLD	0	21	0	0	9.2E1	1.282
24027	11202	Sisma X SLV	48.2	0	0	0	9.4E1	1.282	24028	11202	Sisma Y SLV	0	48.2	0	0	9.4E1	1.282
24029	11202	Sisma X SLO	25.7	0	0	0	9.4E1	1.282	24030	11202	Sisma Y SLO	0	25.7	0	0	9.4E1	1.282
24031	11202	Sisma X SLD	21.3	0	0	0	9.4E1	1.282	24032	11202	Sisma Y SLD	0	21.3	0	0	9.4E1	1.282
24033	11203	Sisma X SLV	43.4	0	0	0	8.5E1	1.283	24034	11203	Sisma Y SLV	0	43.4	0	0	8.5E1	1.283
24035	11203	Sisma X SLO	23.1	0	0	0	8.5E1	1.283	24036	11203	Sisma Y SLO	0	23.1	0	0	8.5E1	1.283
24037	11203	Sisma X SLD	19.2	0	0	0	8.5E1	1.283	24038	11203	Sisma Y SLD	0	19.2	0	0	8.5E1	1.283
24039	11204	Sisma X SLV	31.6	0	0	0	6.1E1	1.286	24040	11204	Sisma Y SLV	0	31.6	0	0	6.1E1	1.286
24041	11204	Sisma X SLO	16.8	0	0	0	6.1E1	1.286	24042	11204	Sisma Y SLO	0	16.8	0	0	6.1E1	1.286
24043	11204	Sisma X SLD	14	0	0	0	6.1E1	1.286	24044	11204	Sisma Y SLD	0	14	0	0	6.1E1	1.286
24045	11205	Sisma X SLV	34	0	0	0	6.6E1	1.286	24046	11205	Sisma Y SLV	0	34	0	0	6.6E1	1.286
24047	11205	Sisma X SLO	18.1	0	0	0	6.6E1	1.286	24048	11205	Sisma Y SLO	0	18.1	0	0	6.6E1	1.286
24049	11205	Sisma X SLD	15	0	0	0	6.6E1	1.286	24050	11205	Sisma Y SLD	0	15	0	0	6.6E1	1.286
24051	11206	Sisma X SLV	29.4	0	0	0	5.7E1	1.286	24052	11206	Sisma Y SLV	0	29.4	0	0	5.7E1	1.286
24053	11206	Sisma X SLO	15.7	0	0	0	5.7E1	1.286	24054	11206	Sisma Y SLO	0	15.7	0	0	5.7E1	1.286
24055	11206	Sisma X SLD	13	0	0	0	5.7E1	1.286	24056	11206	Sisma Y SLD	0	13	0	0	5.7E1	1.286
24057	11207	Sisma X SLV	30.3	0	0	0	5.9E1	1.286	24058	11207	Sisma Y SLV	0	30.3	0	0	5.9E1	1.286
24059	11207	Sisma X SLO	16.1	0	0	0	5.9E1	1.286	24060	11207	Sisma Y SLO	0	16.1	0	0	5.9E1	1.286
24061	11207	Sisma X SLD	13.4	0	0	0	5.9E1	1.286	24062	11207	Sisma Y SLD	0	13.4	0	0	5.9E1	1.286
24063	11208	Sisma X SLV	35.9	0	0	0	7.0E1	1.286	24064	11208	Sisma Y SLV	0	35.9	0	0	7.0E1	1.286
24065	11208	Sisma X SLO	19.1	0	0	0	7.0E1	1.286	24066	11208	Sisma Y SLO	0	19.1	0	0	7.0E1	1.286
24067	11208	Sisma X SLD	15.9	0	0	0	7.0E1	1.286	24068	11208	Sisma Y SLD	0	15.9	0	0	7.0E1	1.286
24069	11209	Sisma X SLV	31.4	0	0	0	6.1E1	1.287	24070	11209	Sisma Y SLV	0	31.4	0	0	6.1E1	1.287
24071	11209	Sisma X SLO	16.8	0	0	0	6.1E1	1.287	24072	11209	Sisma Y SLO	0	16.8	0	0	6.1E1	1.287
24073	11209	Sisma X SLD	13.9	0	0	0	6.1E1	1.287	24074	11209	Sisma Y SLD	0	13.9	0	0	6.1E1	1.287
24075	11210	Sisma X SLV	43.1	0	0	0	8.4E1	1.287	24076	11210	Sisma Y SLV	0	43.1	0	0	8.4E1	1.287
24077	11210	Sisma X SLO	23	0	0	0	8.4E1	1.287	24078	11210	Sisma Y SLO	0	23	0	0	8.4E1	1.287
24079	11210	Sisma X SLD	19.1	0	0	0	8.4E1	1.287	24080	11210	Sisma Y SLD	0	19.1	0	0	8.4E1	1.287
24081	11211	Sisma X SLV	32	0	0	0	6.2E1	1.287	24082	11211	Sisma Y SLV	0	32	0	0	6.2E1	1.287
24083	11211	Sisma X SLO	17.1	0	0	0	6.2E1	1.287	24084	11211	Sisma Y SLO	0	17.1	0	0	6.2E1	1.287
24085	11211	Sisma X SLD	14.2	0	0	0	6.2E1	1.287	24086	11211	Sisma Y SLD	0	14.2	0	0	6.2E1	1.287
24087	11212	Sisma X SLV	29.9	0	0	0	5.8E1	1.287	24088	11212	Sisma Y SLV	0	29.9	0	0	5.8E1	1.287
24089	11212	Sisma X SLO	16	0	0	0	5.8E1	1.287	24090	11212	Sisma Y SLO	0	16	0	0	5.8E1	1.287
24091	11212	Sisma X SLD	13.2	0	0	0	5.8E1	1.287	24092	11212	Sisma Y SLD	0	13.2	0	0	5.8E1	1.287
24093	11213	Sisma X SLV	41.3	0	0	0	8.0E1	1.287	24094	11213	Sisma Y SLV	0	41.3	0	0	8.0E1	1.287
24095	11213	Sisma X SLO	22	0	0	0	8.0E1	1.287	24096	11213	Sisma Y SLO	0	22	0	0	8.0E1	1.287
24097	11213	Sisma X SLD	18.3	0	0	0	8.0E1	1.287	24098	11213	Sisma Y SLD	0	18.3	0	0	8.0E1	1.287
24099	11214	Sisma X SLV	42.8	0	0	0	8.3E1	1.287	24100	11214	Sisma Y SLV	0	42.8	0	0	8.3E1	1.287
24101	11214	Sisma X SLO	22.8	0	0	0	8.3E1	1.287	24102	11214	Sisma Y SLO	0	22.8	0	0	8.3E1	1.287
24103	11214	Sisma X SLD	18.9	0	0	0	8.3E1	1.287	24104	11214	Sisma Y SLD	0	18.9	0	0	8.3E1	1.287
24105	11215	Sisma X SLV	43.4	0	0	0	8.4E1	1.288	24106	11215	Sisma Y SLV	0	43.4	0	0	8.4E1	1.288
24107	11215	Sisma X SLO	23.1	0	0	0	8.4E1	1.288	24108	11215	Sisma Y SLO	0	23.1	0	0	8.4E1	1.288
24109	11215	Sisma X SLD	19.2	0	0	0	8.4E1	1.288	24110	11215	Sisma Y SLD	0	19.2	0	0	8.4E1	1.288
24111	11216	Sisma X SLV	30	0	0	0	5.8E1	1.288	24112	11216	Sisma Y SLV	0	30	0	0	5.8E1	1.288

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
24113	11216	Sisma X SLO	16	0	0	0	5.8E1	1.288	24114	11216	Sisma Y SLO	0	16	0	0	5.8E1	1.288
24115	11216	Sisma X SLD	13.3	0	0	0	5.8E1	1.288	24116	11216	Sisma Y SLD	0	13.3	0	0	5.8E1	1.288
24117	11217	Sisma X SLV	46	0	0	0	8.9E1	1.288	24118	11217	Sisma Y SLV	0	46	0	0	8.9E1	1.288
24119	11217	Sisma X SLO	24.6	0	0	0	8.9E1	1.288	24120	11217	Sisma Y SLO	0	24.6	0	0	8.9E1	1.288
24121	11217	Sisma X SLD	20.4	0	0	0	8.9E1	1.288	24122	11217	Sisma Y SLD	0	20.4	0	0	8.9E1	1.288
24123	11218	Sisma X SLV	43.8	0	0	0	8.5E1	1.288	24124	11218	Sisma Y SLV	0	43.8	0	0	8.5E1	1.288
24125	11218	Sisma X SLO	23.4	0	0	0	8.5E1	1.288	24126	11218	Sisma Y SLO	0	23.4	0	0	8.5E1	1.288
24127	11218	Sisma X SLD	19.4	0	0	0	8.5E1	1.288	24128	11218	Sisma Y SLD	0	19.4	0	0	8.5E1	1.288
24129	11219	Sisma X SLV	48.1	0	0	0	9.3E1	1.288	24130	11219	Sisma Y SLV	0	48.1	0	0	9.3E1	1.288
24131	11219	Sisma X SLO	25.6	0	0	0	9.3E1	1.288	24132	11219	Sisma Y SLO	0	25.6	0	0	9.3E1	1.288
24133	11219	Sisma X SLD	21.3	0	0	0	9.3E1	1.288	24134	11219	Sisma Y SLD	0	21.3	0	0	9.3E1	1.288
24135	11220	Sisma X SLV	36.6	0	0	0	7.1E1	1.288	24136	11220	Sisma Y SLV	0	36.6	0	0	7.1E1	1.288
24137	11220	Sisma X SLO	19.5	0	0	0	7.1E1	1.288	24138	11220	Sisma Y SLO	0	19.5	0	0	7.1E1	1.288
24139	11220	Sisma X SLD	16.2	0	0	0	7.1E1	1.288	24140	11220	Sisma Y SLD	0	16.2	0	0	7.1E1	1.288
24141	11221	Sisma X SLV	36.3	0	0	0	7.0E1	1.289	24142	11221	Sisma Y SLV	0	36.3	0	0	7.0E1	1.289
24143	11221	Sisma X SLO	19.3	0	0	0	7.0E1	1.289	24144	11221	Sisma Y SLO	0	19.3	0	0	7.0E1	1.289
24145	11221	Sisma X SLD	16	0	0	0	7.0E1	1.289	24146	11221	Sisma Y SLD	0	16	0	0	7.0E1	1.289
24147	11222	Sisma X SLV	37.4	0	0	0	7.3E1	1.289	24148	11222	Sisma Y SLV	0	37.4	0	0	7.3E1	1.289
24149	11222	Sisma X SLO	19.9	0	0	0	7.3E1	1.289	24150	11222	Sisma Y SLO	0	19.9	0	0	7.3E1	1.289
24151	11222	Sisma X SLD	16.5	0	0	0	7.3E1	1.289	24152	11222	Sisma Y SLD	0	16.5	0	0	7.3E1	1.289
24153	11223	Sisma X SLV	50.4	0	0	0	9.8E1	1.289	24154	11223	Sisma Y SLV	0	50.4	0	0	9.8E1	1.289
24155	11223	Sisma X SLO	26.9	0	0	0	9.8E1	1.289	24156	11223	Sisma Y SLO	0	26.9	0	0	9.8E1	1.289
24157	11223	Sisma X SLD	22.3	0	0	0	9.8E1	1.289	24158	11223	Sisma Y SLD	0	22.3	0	0	9.8E1	1.289
24159	11224	Sisma X SLV	39.7	0	0	0	7.7E1	1.289	24160	11224	Sisma Y SLV	0	39.7	0	0	7.7E1	1.289
24161	11224	Sisma X SLO	21.2	0	0	0	7.7E1	1.289	24162	11224	Sisma Y SLO	0	21.2	0	0	7.7E1	1.289
24163	11224	Sisma X SLD	17.6	0	0	0	7.7E1	1.289	24164	11224	Sisma Y SLD	0	17.6	0	0	7.7E1	1.289
24165	11225	Sisma X SLV	30.6	0	0	0	5.9E1	1.289	24166	11225	Sisma Y SLV	0	30.6	0	0	5.9E1	1.289
24167	11225	Sisma X SLO	16.3	0	0	0	5.9E1	1.289	24168	11225	Sisma Y SLO	0	16.3	0	0	5.9E1	1.289
24169	11225	Sisma X SLD	13.6	0	0	0	5.9E1	1.289	24170	11225	Sisma Y SLD	0	13.6	0	0	5.9E1	1.289
24171	11226	Sisma X SLV	42.5	0	0	0	8.3E1	1.289	24172	11226	Sisma Y SLV	0	42.5	0	0	8.3E1	1.289
24173	11226	Sisma X SLO	22.7	0	0	0	8.3E1	1.289	24174	11226	Sisma Y SLO	0	22.7	0	0	8.3E1	1.289
24175	11226	Sisma X SLD	18.8	0	0	0	8.3E1	1.289	24176	11226	Sisma Y SLD	0	18.8	0	0	8.3E1	1.289
24177	11227	Sisma X SLV	37.8	0	0	0	73.36	1.289	24178	11227	Sisma Y SLV	0	37.8	0	0	73.36	1.289
24179	11227	Sisma X SLO	20.2	0	0	0	73.36	1.289	24180	11227	Sisma Y SLO	0	20.2	0	0	73.36	1.289
24181	11227	Sisma X SLD	16.7	0	0	0	73.36	1.289	24182	11227	Sisma Y SLD	0	16.7	0	0	73.36	1.289
24183	11228	Sisma X SLV	40	0	0	0	7.8E1	1.289	24184	11228	Sisma Y SLV	0	40	0	0	7.8E1	1.289
24185	11228	Sisma X SLO	21.3	0	0	0	7.8E1	1.289	24186	11228	Sisma Y SLO	0	21.3	0	0	7.8E1	1.289
24187	11228	Sisma X SLD	17.7	0	0	0	7.8E1	1.289	24188	11228	Sisma Y SLD	0	17.7	0	0	7.8E1	1.289
24189	11229	Sisma X SLV	38.6	0	0	0	7.5E1	1.29	24190	11229	Sisma Y SLV	0	38.6	0	0	7.5E1	1.29
24191	11229	Sisma X SLO	20.6	0	0	0	7.5E1	1.29	24192	11229	Sisma Y SLO	0	20.6	0	0	7.5E1	1.29
24193	11229	Sisma X SLD	17.1	0	0	0	7.5E1	1.29	24194	11229	Sisma Y SLD	0	17.1	0	0	7.5E1	1.29
24195	11230	Sisma X SLV	27.9	0	0	0	5.4E1	1.29	24196	11230	Sisma Y SLV	0	27.9	0	0	5.4E1	1.29
24197	11230	Sisma X SLO	14.9	0	0	0	5.4E1	1.29	24198	11230	Sisma Y SLO	0	14.9	0	0	5.4E1	1.29
24199	11230	Sisma X SLD	12.3	0	0	0	5.4E1	1.29	24200	11230	Sisma Y SLD	0	12.3	0	0	5.4E1	1.29
24201	11231	Sisma X SLV	37	0	0	0	7.2E1	1.29	24202	11231	Sisma Y SLV	0	37	0	0	7.2E1	1.29
24203	11231	Sisma X SLO	19.7	0	0	0	7.2E1	1.29	24204	11231	Sisma Y SLO	0	19.7	0	0	7.2E1	1.29
24205	11231	Sisma X SLD	16.4	0	0	0	7.2E1	1.29	24206	11231	Sisma Y SLD	0	16.4	0	0	7.2E1	1.29
24207	11232	Sisma X SLV	32.3	0	0	0	6.3E1	1.29	24208	11232	Sisma Y SLV	0	32.3	0	0	6.3E1	1.29
24209	11232	Sisma X SLO	17.2	0	0	0	6.3E1	1.29	24210	11232	Sisma Y SLO	0	17.2	0	0	6.3E1	1.29
24211	11232	Sisma X SLD	14.3	0	0	0	6.3E1	1.29	24212	11232	Sisma Y SLD	0	14.3	0	0	6.3E1	1.29
24213	11233	Sisma X SLV	42.9	0	0	0	8.3E1	1.29	24214	11233	Sisma Y SLV	0	42.9	0	0	8.3E1	1.29
24215	11233	Sisma X SLO	22.9	0	0	0	8.3E1	1.29	24216	11233	Sisma Y SLO	0	22.9	0	0	8.3E1	1.29
24217	11233	Sisma X SLD	19	0	0	0	8.3E1	1.29	24218	11233	Sisma Y SLD	0	19	0	0	8.3E1	1.29
24219	11234	Sisma X SLV	37.4	0	0	0	7.3E1	1.29	24220	11234	Sisma Y SLV	0	37.4	0	0	7.3E1	1.29
24221	11234	Sisma X SLO	20	0	0	0	7.3E1	1.29	24222	11234	Sisma Y SLO	0	20	0	0	7.3E1	1.29
24223	11234	Sisma X SLD	16.6	0	0	0	7.3E1	1.29	24224	11234	Sisma Y SLD	0	16.6	0	0	7.3E1	1.29
24225	11235	Sisma X SLV	36.2	0	0	0	7.0E1	1.29	24226	11235	Sisma Y SLV	0	36.2	0	0	7.0E1	1.29
24227	11235	Sisma X SLO	19.3	0	0	0	7.0E1	1.29	24228	11235	Sisma Y SLO	0	19.3	0	0	7.0E1	1.29
24229	11235	Sisma X SLD	16	0	0	0	7.0E1	1.29	24230	11235	Sisma Y SLD	0	16	0	0	7.0E1	1.29
24231	11236	Sisma X SLV	33.5	0	0	0	6.5E1	1.29	24232	11236	Sisma Y SLV	0	33.5	0	0	6.5E1	1.29
24233	11236	Sisma X SLO	17.8	0	0	0	6.5E1	1.29	24234	11236	Sisma Y SLO	0	17.8	0	0	6.5E1	1.29
24235	11236	Sisma X SLD	14.8	0	0	0	6.5E1	1.29	24236	11236	Sisma Y SLD	0	14.8	0	0	6.5E1	1.29
24237	11237	Sisma X SLV	40.8	0	0	0	7.9E1	1.29	24238	11237	Sisma Y SLV	0	40.8	0	0	7.9E1	1.29
24239	11237	Sisma X SLO	21.7	0	0	0	7.9E1	1.29	24240	11237	Sisma Y SLO	0	21.7	0	0	7.9E1	1.29
24241	11237	Sisma X SLD	18.1	0	0	0	7.9E1	1.29	24242	11237	Sisma Y SLD	0	18.1	0	0	7.9E1	1.29
24243	11238	Sisma X SLV	36.1	0	0	0	7.0E1	1.291	24244	11238	Sisma Y SLV	0	36.1	0	0	7.0E1	1.291
24245	11238	Sisma X SLO	19.2	0	0	0	7.0E1	1.291	24246	11238	Sisma Y SLO	0	19.2	0	0	7.0E1	1.291
24247	11238	Sisma X SLD	16	0	0	0	7.0E1	1.291	24248	11238	Sisma Y SLD	0	16	0	0	7.0E1	1.291
24249	11239	Sisma X SLV	27.2	0	0	0	5.3E1	1.291	24250	11239	Sisma Y SLV	0	27.2	0	0	5.3E1	1.291
24251	11239	Sisma X SLO	14.5	0	0	0	5.3E1	1.291	24252	11239	Sisma Y SLO	0	14.5	0	0	5.3E1	1.291
24253	11239	Sisma X SLD	12.1	0	0	0	5.3E1	1.291	24254	11239	Sisma Y SLD	0	12.1	0	0	5.3E1	1.291
24255	11240	Sisma X SLV	40.8	0	0	0	7.9E1	1.292	24256	11240	Sisma Y SLV	0	40.8	0	0	7.9E1	1.292
24257	11240	Sisma X SLO	21.8	0	0	0	7.9E1	1.292	24258	11240	Sisma Y SLO	0	21.8	0	0	7.9E1	1.292
24259	11240	Sisma X SLD	18.1	0	0	0	7.9E1	1.292	24260	11240	Sisma Y SLD	0	18.1	0	0	7.9E1	1.292
24261	11241	Sisma X SLV	44.3	0	0	0	8.6E1	1.292	24262	11241	Sisma Y SLV	0	44.3	0	0	8.6E1	1.292
24263	11241	Sisma X SLO	23.6	0	0	0	8.6E1	1.292	24264	11241	Sisma Y SLO	0	23.6	0	0	8.6E1	1.292
24265	11241	Sisma X SLD	19.6	0	0	0	8.6E1	1.292	24266	11241	Sisma Y SLD	0	19.6	0	0	8.6E1	1.292
24267	11242	Sisma X SLV	23.1	0	0	0	44.65	1.293	24268	11242	Sisma Y SLV	0	23.1	0	0	44.65	1.293
24269	11242	Sisma X SLO	12.3	0	0	0	44.65	1.293	24270	11242	Sisma Y SLO	0	12.3	0	0	44.65	1.293
24271	11242	Sisma X SLD	10.2	0	0	0	44.65	1.293	24272	11242	Sisma Y SLD	0	10.2	0	0	44.65	1.293
24273	11243	Sisma X SLV	39.2	0	0	0	7.6E1	1.293	24274	11243	Sisma Y SLV	0	39.2	0	0	7.6E1	1.293
24275	11243	Sisma X SLO	20.9	0	0	0	7.6E1	1.293	24276	11243	Sisma Y SLO	0	20.9	0	0	7.6E1	1.293
24277	11243	Sisma X SLD	17.3	0	0	0	7.6E1	1.293	24278	11243	Sisma Y SLD	0	17.3	0	0	7.6E1	1.293
24279	11244	Sisma X SLV	24	0	0	0	4.6E1	1.293	24280	11244	Sisma Y SLV	0	24	0	0	4.6E1	1.293
24281	11244	Sisma X SLO	12.8	0	0	0	4.6E1	1.293	24282	11244	Sisma Y SLO	0	12.8	0	0	4.6E1	1.293
24283	11244	Sisma X SLD	10.6	0	0	0	4.6E1	1.293	24284	11244	Sisma Y SLD	0	10.6	0	0	4.6E1	1.293
24285	11245	Sisma X SLV	19.8	0	0	0	3.8E1	1.294	24286	11245	Sisma Y SLV	0	19.8	0	0	3.8E1	1.294
24287	11245	Sisma X SLO	10.5	0	0	0	3.8E1	1.294	24288	11245	Sisma Y SLO	0	10.5	0	0	3.8E1	1.294
24289	11245	Sisma X SLD	8.7	0	0	0	3.8E1	1.294	24290	11245	Sisma Y SLD	0	8.7	0	0	3.8E1	1.294
24291	11246	Sisma X SLV	20.5	0	0	0	4.0E1	1.295	24292	11246	Sisma Y SLV	0	20.5	0	0	4.0E1	1.295
24293	11246	Sisma X SLO	10.9	0	0	0	4.0E1	1.295	24294	11246	Sisma Y SLO	0	10.9	0	0	4.0E1	1.295
24295	11246	Sisma X SLD	9.1	0	0	0	4.0E1	1.295	24296	11246	Sisma Y SLD	0	9.1	0	0	4.0E1	1.295
24297	11247	Sisma X SLV	38.5	0	0	0	7.4E1	1.295	24298	11247	Sisma Y SLV	0	38.5	0	0	7.4E1	1.295
24299	11247	Sisma X SLO	20.5	0	0	0	7.4E1	1.295	24300	11247	Sisma Y SLO	0	20.5	0	0	7.4E1	1.295
24301	11247	Sisma X SLD	17	0	0	0	7.4E1	1.295	24302	11247	Sisma Y SLD	0	17	0	0	7.4E1	1.295
24303	11248	Sisma X SLV	37.3	0	0	0	7.2E1	1.295	24304	11248	Sisma Y SLV	0	37.3	0	0	7.2E1	1.295
24305	11248	Sisma X SLO	19.9	0	0	0	7.2E1	1.295	24306	11248	Sisma Y SLO	0	19.9	0	0	7.2E1	1.295
24307	11248	Sisma X SLD	16.5	0	0	0	7.2E1	1.295	24308	11248	Sisma Y SLD	0	16.5	0	0	7.2E1	1.295
24309	11249	Sisma X SLV	34.8	0	0	0	6.7E1	1.295	24310	11249	Sisma Y SLV	0	34.8	0	0	6.7E1	1.295
24311	11249	Sisma X SLO	18.5	0	0	0	6.7E1	1.295	24312	11249	Sisma Y SLO	0	18.5	0	0	6.7E1	1.295

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
24313	11249	Sisma X SLD	15.4	0	0	0	6.7E1	1.295	24314	11249	Sisma Y SLD	0	15.4	0	0	6.7E1	1.295
24315	11250	Sisma X SLV	57.3	0	0	0	1.1E2	1.295	24316	11250	Sisma Y SLV	0	57.3	0	0	1.1E2	1.295
24317	11250	Sisma X SLO	30.6	0	0	0	1.1E2	1.295	24318	11250	Sisma Y SLO	0	30.6	0	0	1.1E2	1.295
24319	11250	Sisma X SLD	25.4	0	0	0	1.1E2	1.295	24320	11250	Sisma Y SLD	0	25.4	0	0	1.1E2	1.295
24321	11251	Sisma X SLV	20	0	0	0	3.9E1	1.295	24322	11251	Sisma Y SLV	0	20	0	0	3.9E1	1.295
24323	11251	Sisma X SLO	10.6	0	0	0	3.9E1	1.295	24324	11251	Sisma Y SLO	0	10.6	0	0	3.9E1	1.295
24325	11251	Sisma X SLD	8.8	0	0	0	3.9E1	1.295	24326	11251	Sisma Y SLD	0	8.8	0	0	3.9E1	1.295
24327	11252	Sisma X SLV	38.6	0	0	0	7.5E1	1.295	24328	11252	Sisma Y SLV	0	38.6	0	0	7.5E1	1.295
24329	11252	Sisma X SLO	20.6	0	0	0	7.5E1	1.295	24330	11252	Sisma Y SLO	0	20.6	0	0	7.5E1	1.295
24331	11252	Sisma X SLD	17.1	0	0	0	7.5E1	1.295	24332	11252	Sisma Y SLD	0	17.1	0	0	7.5E1	1.295
24333	11253	Sisma X SLV	19.2	0	0	0	37.14	1.296	24334	11253	Sisma Y SLV	0	19.2	0	0	37.14	1.296
24335	11253	Sisma X SLO	10.3	0	0	0	37.14	1.296	24336	11253	Sisma Y SLO	0	10.3	0	0	37.14	1.296
24337	11253	Sisma X SLD	8.5	0	0	0	37.14	1.296	24338	11253	Sisma Y SLD	0	8.5	0	0	37.14	1.296
24339	11254	Sisma X SLV	27.5	0	0	0	5.3E1	1.296	24340	11254	Sisma Y SLV	0	27.5	0	0	5.3E1	1.296
24341	11254	Sisma X SLO	14.7	0	0	0	5.3E1	1.296	24342	11254	Sisma Y SLO	0	14.7	0	0	5.3E1	1.296
24343	11254	Sisma X SLD	12.2	0	0	0	5.3E1	1.296	24344	11254	Sisma Y SLD	0	12.2	0	0	5.3E1	1.296
24345	11255	Sisma X SLV	23.6	0	0	0	4.5E1	1.296	24346	11255	Sisma Y SLV	0	23.6	0	0	4.5E1	1.296
24347	11255	Sisma X SLO	12.6	0	0	0	4.5E1	1.296	24348	11255	Sisma Y SLO	0	12.6	0	0	4.5E1	1.296
24349	11255	Sisma X SLD	10.4	0	0	0	4.5E1	1.296	24350	11255	Sisma Y SLD	0	10.4	0	0	4.5E1	1.296
24351	11256	Sisma X SLV	96.4	0	0	0	1.9E2	1.297	24352	11256	Sisma Y SLV	0	96.4	0	0	1.9E2	1.297
24353	11256	Sisma X SLO	51.4	0	0	0	1.9E2	1.297	24354	11256	Sisma Y SLO	0	51.4	0	0	1.9E2	1.297
24355	11256	Sisma X SLD	42.6	0	0	0	1.9E2	1.297	24356	11256	Sisma Y SLD	0	42.6	0	0	1.9E2	1.297
24357	11257	Sisma X SLV	66.5	0	0	0	1.3E2	1.297	24358	11257	Sisma Y SLV	0	66.5	0	0	1.3E2	1.297
24359	11257	Sisma X SLO	35.5	0	0	0	1.3E2	1.297	24360	11257	Sisma Y SLO	0	35.5	0	0	1.3E2	1.297
24361	11257	Sisma X SLD	29.4	0	0	0	1.3E2	1.297	24362	11257	Sisma Y SLD	0	29.4	0	0	1.3E2	1.297
24363	11258	Sisma X SLV	68.1	0	0	0	1.3E2	1.297	24364	11258	Sisma Y SLV	0	68.1	0	0	1.3E2	1.297
24365	11258	Sisma X SLO	36.3	0	0	0	1.3E2	1.297	24366	11258	Sisma Y SLO	0	36.3	0	0	1.3E2	1.297
24367	11258	Sisma X SLD	30.2	0	0	0	1.3E2	1.297	24368	11258	Sisma Y SLD	0	30.2	0	0	1.3E2	1.297
24369	11259	Sisma X SLV	42.1	0	0	0	8.1E1	1.297	24370	11259	Sisma Y SLV	0	42.1	0	0	8.1E1	1.297
24371	11259	Sisma X SLO	22.5	0	0	0	8.1E1	1.297	24372	11259	Sisma Y SLO	0	22.5	0	0	8.1E1	1.297
24373	11259	Sisma X SLD	18.6	0	0	0	8.1E1	1.297	24374	11259	Sisma Y SLD	0	18.6	0	0	8.1E1	1.297
24375	11260	Sisma X SLV	81.7	0	0	0	1.6E2	1.297	24376	11260	Sisma Y SLV	0	81.7	0	0	1.6E2	1.297
24377	11260	Sisma X SLO	43.5	0	0	0	1.6E2	1.297	24378	11260	Sisma Y SLO	0	43.5	0	0	1.6E2	1.297
24379	11260	Sisma X SLD	36.1	0	0	0	1.6E2	1.297	24380	11260	Sisma Y SLD	0	36.1	0	0	1.6E2	1.297
24381	11261	Sisma X SLV	20.4	0	0	0	3.9E1	1.297	24382	11261	Sisma Y SLV	0	20.4	0	0	3.9E1	1.297
24383	11261	Sisma X SLO	10.9	0	0	0	3.9E1	1.297	24384	11261	Sisma Y SLO	0	10.9	0	0	3.9E1	1.297
24385	11261	Sisma X SLD	9	0	0	0	3.9E1	1.297	24386	11261	Sisma Y SLD	0	9	0	0	3.9E1	1.297
24387	11262	Sisma X SLV	36.7	0	0	0	7.1E1	1.297	24388	11262	Sisma Y SLV	0	36.7	0	0	7.1E1	1.297
24389	11262	Sisma X SLO	19.6	0	0	0	7.1E1	1.297	24390	11262	Sisma Y SLO	0	19.6	0	0	7.1E1	1.297
24391	11262	Sisma X SLD	16.2	0	0	0	7.1E1	1.297	24392	11262	Sisma Y SLD	0	16.2	0	0	7.1E1	1.297
24393	11263	Sisma X SLV	81.8	0	0	0	1.6E2	1.297	24394	11263	Sisma Y SLV	0	81.8	0	0	1.6E2	1.297
24395	11263	Sisma X SLO	43.6	0	0	0	1.6E2	1.297	24396	11263	Sisma Y SLO	0	43.6	0	0	1.6E2	1.297
24397	11263	Sisma X SLD	36.2	0	0	0	1.6E2	1.297	24398	11263	Sisma Y SLD	0	36.2	0	0	1.6E2	1.297
24399	11264	Sisma X SLV	21	0	0	0	4.1E1	1.298	24400	11264	Sisma Y SLV	0	21	0	0	4.1E1	1.298
24401	11264	Sisma X SLO	11.2	0	0	0	4.1E1	1.298	24402	11264	Sisma Y SLO	0	11.2	0	0	4.1E1	1.298
24403	11264	Sisma X SLD	9.3	0	0	0	4.1E1	1.298	24404	11264	Sisma Y SLD	0	9.3	0	0	4.1E1	1.298
24405	11265	Sisma X SLV	19.4	0	0	0	3.7E1	1.298	24406	11265	Sisma Y SLV	0	19.4	0	0	3.7E1	1.298
24407	11265	Sisma X SLO	10.3	0	0	0	3.7E1	1.298	24408	11265	Sisma Y SLO	0	10.3	0	0	3.7E1	1.298
24409	11265	Sisma X SLD	8.6	0	0	0	3.7E1	1.298	24410	11265	Sisma Y SLD	0	8.6	0	0	3.7E1	1.298
24411	11266	Sisma X SLV	41.1	0	0	0	79.19	1.298	24412	11266	Sisma Y SLV	0	41.1	0	0	79.19	1.298
24413	11266	Sisma X SLO	21.9	0	0	0	79.19	1.298	24414	11266	Sisma Y SLO	0	21.9	0	0	79.19	1.298
24415	11266	Sisma X SLD	18.2	0	0	0	79.19	1.298	24416	11266	Sisma Y SLD	0	18.2	0	0	79.19	1.298
24417	11267	Sisma X SLV	78.4	0	0	0	1.5E2	1.298	24418	11267	Sisma Y SLV	0	78.4	0	0	1.5E2	1.298
24419	11267	Sisma X SLO	41.8	0	0	0	1.5E2	1.298	24420	11267	Sisma Y SLO	0	41.8	0	0	1.5E2	1.298
24421	11267	Sisma X SLD	34.7	0	0	0	1.5E2	1.298	24422	11267	Sisma Y SLD	0	34.7	0	0	1.5E2	1.298
24423	11268	Sisma X SLV	81.9	0	0	0	1.6E2	1.298	24424	11268	Sisma Y SLV	0	81.9	0	0	1.6E2	1.298
24425	11268	Sisma X SLO	43.7	0	0	0	1.6E2	1.298	24426	11268	Sisma Y SLO	0	43.7	0	0	1.6E2	1.298
24427	11268	Sisma X SLD	36.2	0	0	0	1.6E2	1.298	24428	11268	Sisma Y SLD	0	36.2	0	0	1.6E2	1.298
24429	11269	Sisma X SLV	114.5	0	0	0	2.2E2	1.298	24430	11269	Sisma Y SLV	0	114.5	0	0	2.2E2	1.298
24431	11269	Sisma X SLO	61.1	0	0	0	2.2E2	1.298	24432	11269	Sisma Y SLO	0	61.1	0	0	2.2E2	1.298
24433	11269	Sisma X SLD	50.7	0	0	0	2.2E2	1.298	24434	11269	Sisma Y SLD	0	50.7	0	0	2.2E2	1.298
24435	11270	Sisma X SLV	19.7	0	0	0	3.8E1	1.298	24436	11270	Sisma Y SLV	0	19.7	0	0	3.8E1	1.298
24437	11270	Sisma X SLO	10.5	0	0	0	3.8E1	1.298	24438	11270	Sisma Y SLO	0	10.5	0	0	3.8E1	1.298
24439	11270	Sisma X SLD	8.7	0	0	0	3.8E1	1.298	24440	11270	Sisma Y SLD	0	8.7	0	0	3.8E1	1.298
24441	11271	Sisma X SLV	29.3	0	0	0	5.7E1	1.298	24442	11271	Sisma Y SLV	0	29.3	0	0	5.7E1	1.298
24443	11271	Sisma X SLO	15.6	0	0	0	5.7E1	1.298	24444	11271	Sisma Y SLO	0	15.6	0	0	5.7E1	1.298
24445	11271	Sisma X SLD	13	0	0	0	5.7E1	1.298	24446	11271	Sisma Y SLD	0	13	0	0	5.7E1	1.298
24447	11272	Sisma X SLV	82.1	0	0	0	1.6E2	1.298	24448	11272	Sisma Y SLV	0	82.1	0	0	1.6E2	1.298
24449	11272	Sisma X SLO	43.8	0	0	0	1.6E2	1.298	24450	11272	Sisma Y SLO	0	43.8	0	0	1.6E2	1.298
24451	11272	Sisma X SLD	36.4	0	0	0	1.6E2	1.298	24452	11272	Sisma Y SLD	0	36.4	0	0	1.6E2	1.298
24453	11273	Sisma X SLV	19.8	0	0	0	3.8E1	1.298	24454	11273	Sisma Y SLV	0	19.8	0	0	3.8E1	1.298
24455	11273	Sisma X SLO	10.5	0	0	0	3.8E1	1.298	24456	11273	Sisma Y SLO	0	10.5	0	0	3.8E1	1.298
24457	11273	Sisma X SLD	8.7	0	0	0	3.8E1	1.298	24458	11273	Sisma Y SLD	0	8.7	0	0	3.8E1	1.298
24459	11274	Sisma X SLV	38.6	0	0	0	7.4E1	1.298	24460	11274	Sisma Y SLV	0	38.6	0	0	7.4E1	1.298
24461	11274	Sisma X SLO	20.6	0	0	0	7.4E1	1.298	24462	11274	Sisma Y SLO	0	20.6	0	0	7.4E1	1.298
24463	11274	Sisma X SLD	17.1	0	0	0	7.4E1	1.298	24464	11274	Sisma Y SLD	0	17.1	0	0	7.4E1	1.298
24465	11275	Sisma X SLV	34.9	0	0	0	6.7E1	1.298	24466	11275	Sisma Y SLV	0	34.9	0	0	6.7E1	1.298
24467	11275	Sisma X SLO	18.6	0	0	0	6.7E1	1.298	24468	11275	Sisma Y SLO	0	18.6	0	0	6.7E1	1.298
24469	11275	Sisma X SLD	15.4	0	0	0	6.7E1	1.298	24470	11275	Sisma Y SLD	0	15.4	0	0	6.7E1	1.298
24471	11276	Sisma X SLV	82.5	0	0	0	1.6E2	1.298	24472	11276	Sisma Y SLV	0	82.5	0	0	1.6E2	1.298
24473	11276	Sisma X SLO	44	0	0	0	1.6E2	1.298	24474	11276	Sisma Y SLO	0	44	0	0	1.6E2	1.298
24475	11276	Sisma X SLD	36.5	0	0	0	1.6E2	1.298	24476	11276	Sisma Y SLD	0	36.5	0	0	1.6E2	1.298
24477	11277	Sisma X SLV	41.4	0	0	0	79.77	1.299	24478	11277	Sisma Y SLV	0	41.4	0	0	79.77	1.299
24479	11277	Sisma X SLO	22.1	0	0	0	79.77	1.299	24480	11277	Sisma Y SLO	0	22.1	0	0	79.77	1.299
24481	11277	Sisma X SLD	18.3	0	0	0	79.77	1.299	24482	11277	Sisma Y SLD	0	18.3	0	0	79.77	1.299
24483	11278	Sisma X SLV	37.7	0	0	0	7.3E1	1.299	24484	11278	Sisma Y SLV	0	37.7	0	0	7.3E1	1.299
24485	11278	Sisma X SLO	20.1	0	0	0	7.3E1	1.299	24486	11278	Sisma Y SLO	0	20.1	0	0	7.3E1	1.299
24487	11278	Sisma X SLD	16.7	0	0	0	7.3E1	1.299	24488	11278	Sisma Y SLD	0	16.7	0	0	7.3E1	1.299
24489	11279	Sisma X SLV	83	0	0	0	1.6E2	1.299	24490	11279	Sisma Y SLV	0	83	0	0	1.6E2	1.299
24491	11279	Sisma X SLO	44.2	0	0	0	1.6E2	1.299	24492	11279	Sisma Y SLO	0	44.2	0	0	1.6E2	1.299
24493	11279	Sisma X SLD	36.7	0	0	0	1.6E2	1.299	24494	11279	Sisma Y SLD	0	36.7	0	0	1.6E2	1.299
24495	11280	Sisma X SLV	22.8	0	0	0	4.4E1	1.299	24496	11280	Sisma Y SLV	0	22.8	0	0	4.4E1	1.299
24497	11280	Sisma X SLO	12.2	0	0	0	4.4E1	1.299	24498	11280	Sisma Y SLO	0	12.2	0	0	4.4E1	1.299
24499	11280	Sisma X SLD	10.1	0	0	0	4.4E1	1.299	24500	11280	Sisma Y SLD	0	10.1	0	0	4.4E1	1.299
24501	11281	Sisma X SLV	78.4	0	0	0	1.5E2	1.299	24502	11281	Sisma Y SLV	0	78.4	0	0	1.5E2	1.299
24503	11281	Sisma X SLO	41.8	0	0	0	1.5E2	1.299	24504	11281	Sisma Y SLO	0	41.8	0	0	1.5E2	1.299
24505	11281	Sisma X SLD	34.7	0	0	0	1.5E2	1.299	24506	11281	Sisma Y SLD	0	34.7	0	0	1.5E2	1.299
24507	11282	Sisma X SLV	114.8	0	0	0	2.2E2	1.299	24508	11282	Sisma Y SLV	0	114.8	0	0	2.2E2	1.299
24509	11282	Sisma X SLO	61.2	0	0	0	2.2E2	1.299	24510	11282	Sisma Y SLO	0	61.2	0	0	2.2E2	1.299
24511	11282	Sisma X SLD	50.8	0	0	0	2.2E2	1.299	24512	11282	Sisma Y SLD	0	50.8	0	0	2.2E2	1.299

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
24513	11283	Sisma X SLV	83.6	0	0	0	1.6E2	1.299	24514	11283	Sisma Y SLV	0	83.6	0	0	1.6E2	1.299
24515	11283	Sisma X SLO	44.6	0	0	0	1.6E2	1.299	24516	11283	Sisma Y SLO	0	44.6	0	0	1.6E2	1.299
24517	11283	Sisma X SLD	37	0	0	0	1.6E2	1.299	24518	11283	Sisma Y SLD	0	37	0	0	1.6E2	1.299
24519	11284	Sisma X SLV	86	0	0	0	1.7E2	1.299	24520	11284	Sisma Y SLV	0	86	0	0	1.7E2	1.299
24521	11284	Sisma X SLO	45.8	0	0	0	1.7E2	1.299	24522	11284	Sisma Y SLO	0	45.8	0	0	1.7E2	1.299
24523	11284	Sisma X SLD	38.1	0	0	0	1.7E2	1.299	24524	11284	Sisma Y SLD	0	38.1	0	0	1.7E2	1.299
24525	11285	Sisma X SLV	84.1	0	0	0	1.6E2	1.299	24526	11285	Sisma Y SLV	0	84.1	0	0	1.6E2	1.299
24527	11285	Sisma X SLO	44.9	0	0	0	1.6E2	1.299	24528	11285	Sisma Y SLO	0	44.9	0	0	1.6E2	1.299
24529	11285	Sisma X SLD	37.2	0	0	0	1.6E2	1.299	24530	11285	Sisma Y SLD	0	37.2	0	0	1.6E2	1.299
24531	11286	Sisma X SLV	86.9	0	0	0	1.7E2	1.299	24532	11286	Sisma Y SLV	0	86.9	0	0	1.7E2	1.299
24533	11286	Sisma X SLO	46.3	0	0	0	1.7E2	1.299	24534	11286	Sisma Y SLO	0	46.3	0	0	1.7E2	1.299
24535	11286	Sisma X SLD	38.5	0	0	0	1.7E2	1.299	24536	11286	Sisma Y SLD	0	38.5	0	0	1.7E2	1.299
24537	11287	Sisma X SLV	85	0	0	0	1.6E2	1.299	24538	11287	Sisma Y SLV	0	85	0	0	1.6E2	1.299
24539	11287	Sisma X SLO	45.3	0	0	0	1.6E2	1.299	24540	11287	Sisma Y SLO	0	45.3	0	0	1.6E2	1.299
24541	11287	Sisma X SLD	37.6	0	0	0	1.6E2	1.299	24542	11287	Sisma Y SLD	0	37.6	0	0	1.6E2	1.299
24543	11288	Sisma X SLV	84.6	0	0	0	1.6E2	1.3	24544	11288	Sisma Y SLV	0	84.6	0	0	1.6E2	1.3
24545	11288	Sisma X SLO	45.1	0	0	0	1.6E2	1.3	24546	11288	Sisma Y SLO	0	45.1	0	0	1.6E2	1.3
24547	11288	Sisma X SLD	37.4	0	0	0	1.6E2	1.3	24548	11288	Sisma Y SLD	0	37.4	0	0	1.6E2	1.3
24549	11289	Sisma X SLV	87.8	0	0	0	1.7E2	1.3	24550	11289	Sisma Y SLV	0	87.8	0	0	1.7E2	1.3
24551	11289	Sisma X SLO	46.8	0	0	0	1.7E2	1.3	24552	11289	Sisma Y SLO	0	46.8	0	0	1.7E2	1.3
24553	11289	Sisma X SLD	38.9	0	0	0	1.7E2	1.3	24554	11289	Sisma Y SLD	0	38.9	0	0	1.7E2	1.3
24555	11290	Sisma X SLV	83.9	0	0	0	1.6E2	1.3	24556	11290	Sisma Y SLV	0	83.9	0	0	1.6E2	1.3
24557	11290	Sisma X SLO	44.7	0	0	0	1.6E2	1.3	24558	11290	Sisma Y SLO	0	44.7	0	0	1.6E2	1.3
24559	11290	Sisma X SLD	37.1	0	0	0	1.6E2	1.3	24560	11290	Sisma Y SLD	0	37.1	0	0	1.6E2	1.3
24561	11291	Sisma X SLV	84.8	0	0	0	1.6E2	1.3	24562	11291	Sisma Y SLV	0	84.8	0	0	1.6E2	1.3
24563	11291	Sisma X SLO	45.2	0	0	0	1.6E2	1.3	24564	11291	Sisma Y SLO	0	45.2	0	0	1.6E2	1.3
24565	11291	Sisma X SLD	37.5	0	0	0	1.6E2	1.3	24566	11291	Sisma Y SLD	0	37.5	0	0	1.6E2	1.3
24567	11292	Sisma X SLV	115.1	0	0	0	2.2E2	1.3	24568	11292	Sisma Y SLV	0	115.1	0	0	2.2E2	1.3
24569	11292	Sisma X SLO	61.4	0	0	0	2.2E2	1.3	24570	11292	Sisma Y SLO	0	61.4	0	0	2.2E2	1.3
24571	11292	Sisma X SLD	50.9	0	0	0	2.2E2	1.3	24572	11292	Sisma Y SLD	0	50.9	0	0	2.2E2	1.3
24573	11293	Sisma X SLV	83	0	0	0	1.6E2	1.3	24574	11293	Sisma Y SLV	0	83	0	0	1.6E2	1.3
24575	11293	Sisma X SLO	44.2	0	0	0	1.6E2	1.3	24576	11293	Sisma Y SLO	0	44.2	0	0	1.6E2	1.3
24577	11293	Sisma X SLD	36.7	0	0	0	1.6E2	1.3	24578	11293	Sisma Y SLD	0	36.7	0	0	1.6E2	1.3
24579	11294	Sisma X SLV	84.9	0	0	0	1.6E2	1.3	24580	11294	Sisma Y SLV	0	84.9	0	0	1.6E2	1.3
24581	11294	Sisma X SLO	45.3	0	0	0	1.6E2	1.3	24582	11294	Sisma Y SLO	0	45.3	0	0	1.6E2	1.3
24583	11294	Sisma X SLD	37.6	0	0	0	1.6E2	1.3	24584	11294	Sisma Y SLD	0	37.6	0	0	1.6E2	1.3
24585	11295	Sisma X SLV	78.4	0	0	0	1.5E2	1.3	24586	11295	Sisma Y SLV	0	78.4	0	0	1.5E2	1.3
24587	11295	Sisma X SLO	41.8	0	0	0	1.5E2	1.3	24588	11295	Sisma Y SLO	0	41.8	0	0	1.5E2	1.3
24589	11295	Sisma X SLD	34.7	0	0	0	1.5E2	1.3	24590	11295	Sisma Y SLD	0	34.7	0	0	1.5E2	1.3
24591	11296	Sisma X SLV	20	0	0	0	3.9E1	1.3	24592	11296	Sisma Y SLV	0	20	0	0	3.9E1	1.3
24593	11296	Sisma X SLO	10.7	0	0	0	3.9E1	1.3	24594	11296	Sisma Y SLO	0	10.7	0	0	3.9E1	1.3
24595	11296	Sisma X SLD	8.9	0	0	0	3.9E1	1.3	24596	11296	Sisma Y SLD	0	8.9	0	0	3.9E1	1.3
24597	11297	Sisma X SLV	88.9	0	0	0	1.7E2	1.301	24598	11297	Sisma Y SLV	0	88.9	0	0	1.7E2	1.301
24599	11297	Sisma X SLO	47.4	0	0	0	1.7E2	1.301	24600	11297	Sisma Y SLO	0	47.4	0	0	1.7E2	1.301
24601	11297	Sisma X SLD	39.3	0	0	0	1.7E2	1.301	24602	11297	Sisma Y SLD	0	39.3	0	0	1.7E2	1.301
24603	11298	Sisma X SLV	84.9	0	0	0	1.6E2	1.301	24604	11298	Sisma Y SLV	0	84.9	0	0	1.6E2	1.301
24605	11298	Sisma X SLO	45.2	0	0	0	1.6E2	1.301	24606	11298	Sisma Y SLO	0	45.2	0	0	1.6E2	1.301
24607	11298	Sisma X SLD	37.6	0	0	0	1.6E2	1.301	24608	11298	Sisma Y SLD	0	37.6	0	0	1.6E2	1.301
24609	11299	Sisma X SLV	84.6	0	0	0	1.6E2	1.301	24610	11299	Sisma Y SLV	0	84.6	0	0	1.6E2	1.301
24611	11299	Sisma X SLO	45.1	0	0	0	1.6E2	1.301	24612	11299	Sisma Y SLO	0	45.1	0	0	1.6E2	1.301
24613	11299	Sisma X SLD	37.4	0	0	0	1.6E2	1.301	24614	11299	Sisma Y SLD	0	37.4	0	0	1.6E2	1.301
24615	11300	Sisma X SLV	82.4	0	0	0	1.6E2	1.301	24616	11300	Sisma Y SLV	0	82.4	0	0	1.6E2	1.301
24617	11300	Sisma X SLO	43.9	0	0	0	1.6E2	1.301	24618	11300	Sisma Y SLO	0	43.9	0	0	1.6E2	1.301
24619	11300	Sisma X SLD	36.5	0	0	0	1.6E2	1.301	24620	11300	Sisma Y SLD	0	36.5	0	0	1.6E2	1.301
24621	11301	Sisma X SLV	22.2	0	0	0	4.3E1	1.302	24622	11301	Sisma Y SLV	0	22.2	0	0	4.3E1	1.302
24623	11301	Sisma X SLO	11.8	0	0	0	4.3E1	1.302	24624	11301	Sisma Y SLO	0	11.8	0	0	4.3E1	1.302
24625	11301	Sisma X SLD	9.8	0	0	0	4.3E1	1.302	24626	11301	Sisma Y SLD	0	9.8	0	0	4.3E1	1.302
24627	11302	Sisma X SLV	84	0	0	0	1.6E2	1.302	24628	11302	Sisma Y SLV	0	84	0	0	1.6E2	1.302
24629	11302	Sisma X SLO	44.8	0	0	0	1.6E2	1.302	24630	11302	Sisma Y SLO	0	44.8	0	0	1.6E2	1.302
24631	11302	Sisma X SLD	37.2	0	0	0	1.6E2	1.302	24632	11302	Sisma Y SLD	0	37.2	0	0	1.6E2	1.302
24633	11303	Sisma X SLV	23.7	0	0	0	4.5E1	1.302	24634	11303	Sisma Y SLV	0	23.7	0	0	4.5E1	1.302
24635	11303	Sisma X SLO	12.6	0	0	0	4.5E1	1.302	24636	11303	Sisma Y SLO	0	12.6	0	0	4.5E1	1.302
24637	11303	Sisma X SLD	10.5	0	0	0	4.5E1	1.302	24638	11303	Sisma Y SLD	0	10.5	0	0	4.5E1	1.302
24639	11304	Sisma X SLV	115.5	0	0	0	2.2E2	1.302	24640	11304	Sisma Y SLV	0	115.5	0	0	2.2E2	1.302
24641	11304	Sisma X SLO	61.6	0	0	0	2.2E2	1.302	24642	11304	Sisma Y SLO	0	61.6	0	0	2.2E2	1.302
24643	11304	Sisma X SLD	51.1	0	0	0	2.2E2	1.302	24644	11304	Sisma Y SLD	0	51.1	0	0	2.2E2	1.302
24645	11305	Sisma X SLV	82.9	0	0	0	1.6E2	1.302	24646	11305	Sisma Y SLV	0	82.9	0	0	1.6E2	1.302
24647	11305	Sisma X SLO	44.2	0	0	0	1.6E2	1.302	24648	11305	Sisma Y SLO	0	44.2	0	0	1.6E2	1.302
24649	11305	Sisma X SLD	36.7	0	0	0	1.6E2	1.302	24650	11305	Sisma Y SLD	0	36.7	0	0	1.6E2	1.302
24651	11306	Sisma X SLV	90.7	0	0	0	1.7E2	1.302	24652	11306	Sisma Y SLV	0	90.7	0	0	1.7E2	1.302
24653	11306	Sisma X SLO	48.3	0	0	0	1.7E2	1.302	24654	11306	Sisma Y SLO	0	48.3	0	0	1.7E2	1.302
24655	11306	Sisma X SLD	40.1	0	0	0	1.7E2	1.302	24656	11306	Sisma Y SLD	0	40.1	0	0	1.7E2	1.302
24657	11307	Sisma X SLV	21.7	0	0	0	4.2E1	1.302	24658	11307	Sisma Y SLV	0	21.7	0	0	4.2E1	1.302
24659	11307	Sisma X SLO	11.6	0	0	0	4.2E1	1.302	24660	11307	Sisma Y SLO	0	11.6	0	0	4.2E1	1.302
24661	11307	Sisma X SLD	9.6	0	0	0	4.2E1	1.302	24662	11307	Sisma Y SLD	0	9.6	0	0	4.2E1	1.302
24663	11308	Sisma X SLV	22	0	0	0	4.2E1	1.303	24664	11308	Sisma Y SLV	0	22	0	0	4.2E1	1.303
24665	11308	Sisma X SLO	11.7	0	0	0	4.2E1	1.303	24666	11308	Sisma Y SLO	0	11.7	0	0	4.2E1	1.303
24667	11308	Sisma X SLD	9.8	0	0	0	4.2E1	1.303	24668	11308	Sisma Y SLD	0	9.8	0	0	4.2E1	1.303
24669	11309	Sisma X SLV	78.8	0	0	0	1.5E2	1.303	24670	11309	Sisma Y SLV	0	78.8	0	0	1.5E2	1.303
24671	11309	Sisma X SLO	42	0	0	0	1.5E2	1.303	24672	11309	Sisma Y SLO	0	42	0	0	1.5E2	1.303
24673	11309	Sisma X SLD	34.9	0	0	0	1.5E2	1.303	24674	11309	Sisma Y SLD	0	34.9	0	0	1.5E2	1.303
24675	11310	Sisma X SLV	33.5	0	0	0	6.4E1	1.303	24676	11310	Sisma Y SLV	0	33.5	0	0	6.4E1	1.303
24677	11310	Sisma X SLO	17.9	0	0	0	6.4E1	1.303	24678	11310	Sisma Y SLO	0	17.9	0	0	6.4E1	1.303
24679	11310	Sisma X SLD	14.8	0	0	0	6.4E1	1.303	24680	11310	Sisma Y SLD	0	14.8	0	0	6.4E1	1.303
24681	11311	Sisma X SLV	81.3	0	0	0	1.6E2	1.303	24682	11311	Sisma Y SLV	0	81.3	0	0	1.6E2	1.303
24683	11311	Sisma X SLO	43.4	0	0	0	1.6E2	1.303	24684	11311	Sisma Y SLO	0	43.4	0	0	1.6E2	1.303
24685	11311	Sisma X SLD	36	0	0	0	1.6E2	1.303	24686	11311	Sisma Y SLD	0	36	0	0	1.6E2	1.303
24687	11312	Sisma X SLV	82.9	0	0	0	1.6E2	1.303	24688	11312	Sisma Y SLV	0	82.9	0	0	1.6E2	1.303
24689	11312	Sisma X SLO	44.2	0	0	0	1.6E2	1.303	24690	11312	Sisma Y SLO	0	44.2	0	0	1.6E2	1.303
24691	11312	Sisma X SLD	36.7	0	0	0	1.6E2	1.303	24692	11312	Sisma Y SLD	0	36.7	0	0	1.6E2	1.303
24693	11313	Sisma X SLV	79.2	0	0	0	1.5E2	1.304	24694	11313	Sisma Y SLV	0	79.2	0	0	1.5E2	1.304
24695	11313	Sisma X SLO	42.2	0	0	0	1.5E2	1.304	24696	11313	Sisma Y SLO	0	42.2	0	0	1.5E2	1.304
24697	11313	Sisma X SLD	35	0	0	0	1.5E2	1.304	24698	11313	Sisma Y SLD	0	35	0	0	1.5E2	1.304
24699	11314	Sisma X SLV	29.8	0	0	0	5.7E1	1.304	24700	11314	Sisma Y SLV	0	29.8	0	0	5.7E1	1.304
24701	11314	Sisma X SLO	15.9	0	0	0	5.7E1	1.304	24702	11314	Sisma Y SLO	0	15.9	0	0	5.7E1	1.304
24703	11314	Sisma X SLD	13.2	0	0	0	5.7E1	1.304	24704	11314	Sisma Y SLD	0	13.2	0	0	5.7E1	1.304
24705	11315	Sisma X SLV	20.7	0	0	0	4.0E1	1.305	24706	11315	Sisma Y SLV	0	20.7	0	0	4.0E1	1.305
24707	11315	Sisma X SLO	11	0	0	0	4.0E1	1.305	24708	11315	Sisma Y SLO	0	11	0	0	4.0E1	1.305
24709	11315	Sisma X SLD	9.2	0	0	0	4.0E1	1.305	24710	11315	Sisma Y SLD	0	9.2	0	0	4.0E1	1.305
24711	11316	Sisma X SLV	55.1	0	0	0	1.1E2	1.305	24712	11316	Sisma Y SLV	0	55.1	0	0	1.1E2	1.305

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
24713	11316	Sisma X SLO	29.4	0	0	0	1.1E2	1.305	24714	11316	Sisma Y SLO	0	29.4	0	0	1.1E2	1.305
24715	11316	Sisma X SLD	24.4	0	0	0	1.1E2	1.305	24716	11316	Sisma Y SLD	0	24.4	0	0	1.1E2	1.305
24717	11317	Sisma X SLV	22.4	0	0	0	4.3E1	1.305	24718	11317	Sisma Y SLV	0	22.4	0	0	4.3E1	1.305
24719	11317	Sisma X SLO	11.9	0	0	0	4.3E1	1.305	24720	11317	Sisma Y SLO	0	11.9	0	0	4.3E1	1.305
24721	11317	Sisma X SLD	9.9	0	0	0	4.3E1	1.305	24722	11317	Sisma Y SLD	0	9.9	0	0	4.3E1	1.305
24723	11318	Sisma X SLV	24.3	0	0	0	4.7E1	1.305	24724	11318	Sisma Y SLV	0	24.3	0	0	4.7E1	1.305
24725	11318	Sisma X SLO	12.9	0	0	0	4.7E1	1.305	24726	11318	Sisma Y SLO	0	12.9	0	0	4.7E1	1.305
24727	11318	Sisma X SLD	10.7	0	0	0	4.7E1	1.305	24728	11318	Sisma Y SLD	0	10.7	0	0	4.7E1	1.305
24729	11319	Sisma X SLV	20.5	0	0	0	3.9E1	1.306	24730	11319	Sisma Y SLV	0	20.5	0	0	3.9E1	1.306
24731	11319	Sisma X SLO	10.9	0	0	0	3.9E1	1.306	24732	11319	Sisma Y SLO	0	10.9	0	0	3.9E1	1.306
24733	11319	Sisma X SLD	9.1	0	0	0	3.9E1	1.306	24734	11319	Sisma Y SLD	0	9.1	0	0	3.9E1	1.306
24735	11320	Sisma X SLV	50.4	0	0	0	9.7E1	1.306	24736	11320	Sisma Y SLV	0	50.4	0	0	9.7E1	1.306
24737	11320	Sisma X SLO	26.9	0	0	0	9.7E1	1.306	24738	11320	Sisma Y SLO	0	26.9	0	0	9.7E1	1.306
24739	11320	Sisma X SLD	22.3	0	0	0	9.7E1	1.306	24740	11320	Sisma Y SLD	0	22.3	0	0	9.7E1	1.306
24741	11321	Sisma X SLV	67	0	0	0	1.3E2	1.306	24742	11321	Sisma Y SLV	0	67	0	0	1.3E2	1.306
24743	11321	Sisma X SLO	35.7	0	0	0	1.3E2	1.306	24744	11321	Sisma Y SLO	0	35.7	0	0	1.3E2	1.306
24745	11321	Sisma X SLD	29.7	0	0	0	1.3E2	1.306	24746	11321	Sisma Y SLD	0	29.7	0	0	1.3E2	1.306
24747	11322	Sisma X SLV	35.2	0	0	0	6.7E1	1.306	24748	11322	Sisma Y SLV	0	35.2	0	0	6.7E1	1.306
24749	11322	Sisma X SLO	18.8	0	0	0	6.7E1	1.306	24750	11322	Sisma Y SLO	0	18.8	0	0	6.7E1	1.306
24751	11322	Sisma X SLD	15.6	0	0	0	6.7E1	1.306	24752	11322	Sisma Y SLD	0	15.6	0	0	6.7E1	1.306
24753	11323	Sisma X SLV	34.9	0	0	0	6.7E1	1.306	24754	11323	Sisma Y SLV	0	34.9	0	0	6.7E1	1.306
24755	11323	Sisma X SLO	18.6	0	0	0	6.7E1	1.306	24756	11323	Sisma Y SLO	0	18.6	0	0	6.7E1	1.306
24757	11323	Sisma X SLD	15.5	0	0	0	6.7E1	1.306	24758	11323	Sisma Y SLD	0	15.5	0	0	6.7E1	1.306
24759	11324	Sisma X SLV	64.9	0	0	0	1.2E2	1.306	24760	11324	Sisma Y SLV	0	64.9	0	0	1.2E2	1.306
24761	11324	Sisma X SLO	34.6	0	0	0	1.2E2	1.306	24762	11324	Sisma Y SLO	0	34.6	0	0	1.2E2	1.306
24763	11324	Sisma X SLD	28.7	0	0	0	1.2E2	1.306	24764	11324	Sisma Y SLD	0	28.7	0	0	1.2E2	1.306
24765	11325	Sisma X SLV	100.1	0	0	0	1.9E2	1.306	24766	11325	Sisma Y SLV	0	100.1	0	0	1.9E2	1.306
24767	11325	Sisma X SLO	53.4	0	0	0	1.9E2	1.306	24768	11325	Sisma Y SLO	0	53.4	0	0	1.9E2	1.306
24769	11325	Sisma X SLD	44.3	0	0	0	1.9E2	1.306	24770	11325	Sisma Y SLD	0	44.3	0	0	1.9E2	1.306
24771	11326	Sisma X SLV	58.6	0	0	0	1.1E2	1.306	24772	11326	Sisma Y SLV	0	58.6	0	0	1.1E2	1.306
24773	11326	Sisma X SLO	31.2	0	0	0	1.1E2	1.306	24774	11326	Sisma Y SLO	0	31.2	0	0	1.1E2	1.306
24775	11326	Sisma X SLD	25.9	0	0	0	1.1E2	1.306	24776	11326	Sisma Y SLD	0	25.9	0	0	1.1E2	1.306
24777	11327	Sisma X SLV	39.7	0	0	0	7.6E1	1.306	24778	11327	Sisma Y SLV	0	39.7	0	0	7.6E1	1.306
24779	11327	Sisma X SLO	21.2	0	0	0	7.6E1	1.306	24780	11327	Sisma Y SLO	0	21.2	0	0	7.6E1	1.306
24781	11327	Sisma X SLD	17.6	0	0	0	7.6E1	1.306	24782	11327	Sisma Y SLD	0	17.6	0	0	7.6E1	1.306
24783	11328	Sisma X SLV	84.5	0	0	0	1.6E2	1.306	24784	11328	Sisma Y SLV	0	84.5	0	0	1.6E2	1.306
24785	11328	Sisma X SLO	45.1	0	0	0	1.6E2	1.306	24786	11328	Sisma Y SLO	0	45.1	0	0	1.6E2	1.306
24787	11328	Sisma X SLD	37.4	0	0	0	1.6E2	1.306	24788	11328	Sisma Y SLD	0	37.4	0	0	1.6E2	1.306
24789	11329	Sisma X SLV	54.1	0	0	0	1.0E2	1.306	24790	11329	Sisma Y SLV	0	54.1	0	0	1.0E2	1.306
24791	11329	Sisma X SLO	28.9	0	0	0	1.0E2	1.306	24792	11329	Sisma Y SLO	0	28.9	0	0	1.0E2	1.306
24793	11329	Sisma X SLD	24	0	0	0	1.0E2	1.306	24794	11329	Sisma Y SLD	0	24	0	0	1.0E2	1.306
24795	11330	Sisma X SLV	47.8	0	0	0	9.2E1	1.306	24796	11330	Sisma Y SLV	0	47.8	0	0	9.2E1	1.306
24797	11330	Sisma X SLO	25.5	0	0	0	9.2E1	1.306	24798	11330	Sisma Y SLO	0	25.5	0	0	9.2E1	1.306
24799	11330	Sisma X SLD	21.1	0	0	0	9.2E1	1.306	24800	11330	Sisma Y SLD	0	21.1	0	0	9.2E1	1.306
24801	11331	Sisma X SLV	42.1	0	0	0	80.75	1.306	24802	11331	Sisma Y SLV	0	42.1	0	0	80.75	1.306
24803	11331	Sisma X SLO	22.5	0	0	0	80.75	1.306	24804	11331	Sisma Y SLO	0	22.5	0	0	80.75	1.306
24805	11331	Sisma X SLD	18.7	0	0	0	80.75	1.306	24806	11331	Sisma Y SLD	0	18.7	0	0	80.75	1.306
24807	11332	Sisma X SLV	32.7	0	0	0	6.3E1	1.306	24808	11332	Sisma Y SLV	0	32.7	0	0	6.3E1	1.306
24809	11332	Sisma X SLO	17.4	0	0	0	6.3E1	1.306	24810	11332	Sisma Y SLO	0	17.4	0	0	6.3E1	1.306
24811	11332	Sisma X SLD	14.5	0	0	0	6.3E1	1.306	24812	11332	Sisma Y SLD	0	14.5	0	0	6.3E1	1.306
24813	11333	Sisma X SLV	34.5	0	0	0	66.05	1.306	24814	11333	Sisma Y SLV	0	34.5	0	0	66.05	1.306
24815	11333	Sisma X SLO	18.4	0	0	0	66.05	1.306	24816	11333	Sisma Y SLO	0	18.4	0	0	66.05	1.306
24817	11333	Sisma X SLD	15.3	0	0	0	66.05	1.306	24818	11333	Sisma Y SLD	0	15.3	0	0	66.05	1.306
24819	11334	Sisma X SLV	32	0	0	0	6.1E1	1.306	24820	11334	Sisma Y SLV	0	32	0	0	6.1E1	1.306
24821	11334	Sisma X SLO	17.1	0	0	0	6.1E1	1.306	24822	11334	Sisma Y SLO	0	17.1	0	0	6.1E1	1.306
24823	11334	Sisma X SLD	14.2	0	0	0	6.1E1	1.306	24824	11334	Sisma Y SLD	0	14.2	0	0	6.1E1	1.306
24825	11335	Sisma X SLV	25.6	0	0	0	4.9E1	1.306	24826	11335	Sisma Y SLV	0	25.6	0	0	4.9E1	1.306
24827	11335	Sisma X SLO	13.6	0	0	0	4.9E1	1.306	24828	11335	Sisma Y SLO	0	13.6	0	0	4.9E1	1.306
24829	11335	Sisma X SLD	11.3	0	0	0	4.9E1	1.306	24830	11335	Sisma Y SLD	0	11.3	0	0	4.9E1	1.306
24831	11336	Sisma X SLV	25.3	0	0	0	4.9E1	1.306	24832	11336	Sisma Y SLV	0	25.3	0	0	4.9E1	1.306
24833	11336	Sisma X SLO	13.5	0	0	0	4.9E1	1.306	24834	11336	Sisma Y SLO	0	13.5	0	0	4.9E1	1.306
24835	11336	Sisma X SLD	11.2	0	0	0	4.9E1	1.306	24836	11336	Sisma Y SLD	0	11.2	0	0	4.9E1	1.306
24837	11337	Sisma X SLV	29.2	0	0	0	5.6E1	1.306	24838	11337	Sisma Y SLV	0	29.2	0	0	5.6E1	1.306
24839	11337	Sisma X SLO	15.6	0	0	0	5.6E1	1.306	24840	11337	Sisma Y SLO	0	15.6	0	0	5.6E1	1.306
24841	11337	Sisma X SLD	12.9	0	0	0	5.6E1	1.306	24842	11337	Sisma Y SLD	0	12.9	0	0	5.6E1	1.306
24843	11338	Sisma X SLV	37.4	0	0	0	7.2E1	1.306	24844	11338	Sisma Y SLV	0	37.4	0	0	7.2E1	1.306
24845	11338	Sisma X SLO	19.9	0	0	0	7.2E1	1.306	24846	11338	Sisma Y SLO	0	19.9	0	0	7.2E1	1.306
24847	11338	Sisma X SLD	16.5	0	0	0	7.2E1	1.306	24848	11338	Sisma Y SLD	0	16.5	0	0	7.2E1	1.306
24849	11339	Sisma X SLV	34.2	0	0	0	65.58	1.306	24850	11339	Sisma Y SLV	0	34.2	0	0	65.58	1.306
24851	11339	Sisma X SLO	18.2	0	0	0	65.58	1.306	24852	11339	Sisma Y SLO	0	18.2	0	0	65.58	1.306
24853	11339	Sisma X SLD	15.1	0	0	0	65.58	1.306	24854	11339	Sisma Y SLD	0	15.1	0	0	65.58	1.306
24855	11340	Sisma X SLV	30.5	0	0	0	5.8E1	1.306	24856	11340	Sisma Y SLV	0	30.5	0	0	5.8E1	1.306
24857	11340	Sisma X SLO	16.3	0	0	0	5.8E1	1.306	24858	11340	Sisma Y SLO	0	16.3	0	0	5.8E1	1.306
24859	11340	Sisma X SLD	13.5	0	0	0	5.8E1	1.306	24860	11340	Sisma Y SLD	0	13.5	0	0	5.8E1	1.306
24861	11341	Sisma X SLV	31.4	0	0	0	6.0E1	1.306	24862	11341	Sisma Y SLV	0	31.4	0	0	6.0E1	1.306
24863	11341	Sisma X SLO	16.7	0	0	0	6.0E1	1.306	24864	11341	Sisma Y SLO	0	16.7	0	0	6.0E1	1.306
24865	11341	Sisma X SLD	13.9	0	0	0	6.0E1	1.306	24866	11341	Sisma Y SLD	0	13.9	0	0	6.0E1	1.306
24867	11342	Sisma X SLV	33	0	0	0	63.15	1.306	24868	11342	Sisma Y SLV	0	33	0	0	63.15	1.306
24869	11342	Sisma X SLO	17.6	0	0	0	63.15	1.306	24870	11342	Sisma Y SLO	0	17.6	0	0	63.15	1.306
24871	11342	Sisma X SLD	14.6	0	0	0	63.15	1.306	24872	11342	Sisma Y SLD	0	14.6	0	0	63.15	1.306
24873	11343	Sisma X SLV	27.4	0	0	0	5.2E1	1.306	24874	11343	Sisma Y SLV	0	27.4	0	0	5.2E1	1.306
24875	11343	Sisma X SLO	14.6	0	0	0	5.2E1	1.306	24876	11343	Sisma Y SLO	0	14.6	0	0	5.2E1	1.306
24877	11343	Sisma X SLD	12.1	0	0	0	5.2E1	1.306	24878	11343	Sisma Y SLD	0	12.1	0	0	5.2E1	1.306
24879	11344	Sisma X SLV	27.2	0	0	0	5.2E1	1.306	24880	11344	Sisma Y SLV	0	27.2	0	0	5.2E1	1.306
24881	11344	Sisma X SLO	14.5	0	0	0	5.2E1	1.306	24882	11344	Sisma Y SLO	0	14.5	0	0	5.2E1	1.306
24883	11344	Sisma X SLD	12	0	0	0	5.2E1	1.306	24884	11344	Sisma Y SLD	0	12	0	0	5.2E1	1.306
24885	11345	Sisma X SLV	32.4	0	0	0	6.2E1	1.306	24886	11345	Sisma Y SLV	0	32.4	0	0	6.2E1	1.306
24887	11345	Sisma X SLO	17.3	0	0	0	6.2E1	1.306	24888	11345	Sisma Y SLO	0	17.3	0	0	6.2E1	1.306
24889	11345	Sisma X SLD	14.3	0	0	0	6.2E1	1.306	24890	11345	Sisma Y SLD	0	14.3	0	0	6.2E1	1.306
24891	11346	Sisma X SLV	34.2	0	0	0	6.5E1	1.306	24892	11346	Sisma Y SLV	0	34.2	0	0	6.5E1	1.306
24893	11346	Sisma X SLO	18.2	0	0	0	6.5E1	1.306	24894	11346	Sisma Y SLO	0	18.2	0	0	6.5E1	1.306
24895	11346	Sisma X SLD	15.1	0	0	0	6.5E1	1.306	24896	11346	Sisma Y SLD	0	15.1	0	0	6.5E1	1.306
24897	11347	Sisma X SLV	34.5	0	0	0	6.6E1	1.306	24898	11347	Sisma Y SLV	0	34.5	0	0	6.6E1	1.306
24899	11347	Sisma X SLO	18.4	0	0	0	6.6E1	1.306	24900	11347	Sisma Y SLO	0	18.4	0	0	6.6E1	1.306
24901	11347	Sisma X SLD	15.3	0	0	0	6.6E1	1.306	24902	11347	Sisma Y SLD	0	15.3	0	0	6.6E1	1.306
24903	11348	Sisma X SLV	33.4	0	0	0	6.4E1	1.306	24904	11348	Sisma Y SLV	0	33.4	0	0	6.4E1	1.306
24905	11348	Sisma X SLO	17.8	0	0	0	6.4E1	1.306	24906	11348	Sisma Y SLO	0	17.8	0	0	6.4E1	1.306
24907	11348	Sisma X SLD	14.8	0	0	0	6.4E1	1.306	24908	11348	Sisma Y SLD	0	14.8	0	0	6.4E1	1.306
24909	11349	Sisma X SLV	35.1	0	0	0	6.7E1	1.306	24910	11349	Sisma Y SLV	0	35.1	0	0	6.7E1	1.306
24911	11349	Sisma X SLO	18.7	0	0	0	6.7E1	1.306	24912	11349	Sisma Y SLO	0	18.7	0	0	6.7E1	1.306

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
24913	11349	Sisma X SLD	15.6	0	0	0	6.7E1	1.306	24914	11349	Sisma Y SLD	0	15.6	0	0	6.7E1	1.306
24915	11350	Sisma X SLV	30.1	0	0	0	5.8E1	1.306	24916	11350	Sisma Y SLV	0	30.1	0	0	5.8E1	1.306
24917	11350	Sisma X SLO	16.1	0	0	0	5.8E1	1.306	24918	11350	Sisma Y SLO	0	16.1	0	0	5.8E1	1.306
24919	11350	Sisma X SLD	13.3	0	0	0	5.8E1	1.306	24920	11350	Sisma Y SLD	0	13.3	0	0	5.8E1	1.306
24921	11351	Sisma X SLV	26.6	0	0	0	5.1E1	1.306	24922	11351	Sisma Y SLV	0	26.6	0	0	5.1E1	1.306
24923	11351	Sisma X SLO	14.2	0	0	0	5.1E1	1.306	24924	11351	Sisma Y SLO	0	14.2	0	0	5.1E1	1.306
24925	11351	Sisma X SLD	11.8	0	0	0	5.1E1	1.306	24926	11351	Sisma Y SLD	0	11.8	0	0	5.1E1	1.306
24927	11352	Sisma X SLV	26.6	0	0	0	5.1E1	1.306	24928	11352	Sisma Y SLV	0	26.6	0	0	5.1E1	1.306
24929	11352	Sisma X SLO	14.2	0	0	0	5.1E1	1.306	24930	11352	Sisma Y SLO	0	14.2	0	0	5.1E1	1.306
24931	11352	Sisma X SLD	11.8	0	0	0	5.1E1	1.306	24932	11352	Sisma Y SLD	0	11.8	0	0	5.1E1	1.306
24933	11353	Sisma X SLV	33.4	0	0	0	6.4E1	1.306	24934	11353	Sisma Y SLV	0	33.4	0	0	6.4E1	1.306
24935	11353	Sisma X SLO	17.8	0	0	0	6.4E1	1.306	24936	11353	Sisma Y SLO	0	17.8	0	0	6.4E1	1.306
24937	11353	Sisma X SLD	14.8	0	0	0	6.4E1	1.306	24938	11353	Sisma Y SLD	0	14.8	0	0	6.4E1	1.306
24939	11354	Sisma X SLV	34.3	0	0	0	6.6E1	1.306	24940	11354	Sisma Y SLV	0	34.3	0	0	6.6E1	1.306
24941	11354	Sisma X SLO	18.3	0	0	0	6.6E1	1.306	24942	11354	Sisma Y SLO	0	18.3	0	0	6.6E1	1.306
24943	11354	Sisma X SLD	15.2	0	0	0	6.6E1	1.306	24944	11354	Sisma Y SLD	0	15.2	0	0	6.6E1	1.306
24945	11355	Sisma X SLV	25.9	0	0	0	49.58	1.306	24946	11355	Sisma Y SLV	0	25.9	0	0	49.58	1.306
24947	11355	Sisma X SLO	13.8	0	0	0	49.58	1.306	24948	11355	Sisma Y SLO	0	13.8	0	0	49.58	1.306
24949	11355	Sisma X SLD	11.5	0	0	0	49.58	1.306	24950	11355	Sisma Y SLD	0	11.5	0	0	49.58	1.306
24951	11356	Sisma X SLV	25.4	0	0	0	4.9E1	1.306	24952	11356	Sisma Y SLV	0	25.4	0	0	4.9E1	1.306
24953	11356	Sisma X SLO	13.5	0	0	0	4.9E1	1.306	24954	11356	Sisma Y SLO	0	13.5	0	0	4.9E1	1.306
24955	11356	Sisma X SLD	11.2	0	0	0	4.9E1	1.306	24956	11356	Sisma Y SLD	0	11.2	0	0	4.9E1	1.306
24957	11357	Sisma X SLV	29.7	0	0	0	56.91	1.306	24958	11357	Sisma Y SLV	0	29.7	0	0	56.91	1.306
24959	11357	Sisma X SLO	15.8	0	0	0	56.91	1.306	24960	11357	Sisma Y SLO	0	15.8	0	0	56.91	1.306
24961	11357	Sisma X SLD	13.1	0	0	0	56.91	1.306	24962	11357	Sisma Y SLD	0	13.1	0	0	56.91	1.306
24963	11358	Sisma X SLV	27.7	0	0	0	5.3E1	1.306	24964	11358	Sisma Y SLV	0	27.7	0	0	5.3E1	1.306
24965	11358	Sisma X SLO	14.8	0	0	0	5.3E1	1.306	24966	11358	Sisma Y SLO	0	14.8	0	0	5.3E1	1.306
24967	11358	Sisma X SLD	12.3	0	0	0	5.3E1	1.306	24968	11358	Sisma Y SLD	0	12.3	0	0	5.3E1	1.306
24969	11359	Sisma X SLV	24.1	0	0	0	4.6E1	1.306	24970	11359	Sisma Y SLV	0	24.1	0	0	4.6E1	1.306
24971	11359	Sisma X SLO	12.9	0	0	0	4.6E1	1.306	24972	11359	Sisma Y SLO	0	12.9	0	0	4.6E1	1.306
24973	11359	Sisma X SLD	10.7	0	0	0	4.6E1	1.306	24974	11359	Sisma Y SLD	0	10.7	0	0	4.6E1	1.306
24975	11360	Sisma X SLV	24.1	0	0	0	4.6E1	1.306	24976	11360	Sisma Y SLV	0	24.1	0	0	4.6E1	1.306
24977	11360	Sisma X SLO	12.9	0	0	0	4.6E1	1.306	24978	11360	Sisma Y SLO	0	12.9	0	0	4.6E1	1.306
24979	11360	Sisma X SLD	10.7	0	0	0	4.6E1	1.306	24980	11360	Sisma Y SLD	0	10.7	0	0	4.6E1	1.306
24981	11361	Sisma X SLV	28.6	0	0	0	5.5E1	1.306	24982	11361	Sisma Y SLV	0	28.6	0	0	5.5E1	1.306
24983	11361	Sisma X SLO	15.2	0	0	0	5.5E1	1.306	24984	11361	Sisma Y SLO	0	15.2	0	0	5.5E1	1.306
24985	11361	Sisma X SLD	12.7	0	0	0	5.5E1	1.306	24986	11361	Sisma Y SLD	0	12.7	0	0	5.5E1	1.306
24987	11362	Sisma X SLV	38.9	0	0	0	7.5E1	1.306	24988	11362	Sisma Y SLV	0	38.9	0	0	7.5E1	1.306
24989	11362	Sisma X SLO	20.8	0	0	0	7.5E1	1.306	24990	11362	Sisma Y SLO	0	20.8	0	0	7.5E1	1.306
24991	11362	Sisma X SLD	17.2	0	0	0	7.5E1	1.306	24992	11362	Sisma Y SLD	0	17.2	0	0	7.5E1	1.306
24993	11363	Sisma X SLV	24.8	0	0	0	4.8E1	1.306	24994	11363	Sisma Y SLV	0	24.8	0	0	4.8E1	1.306
24995	11363	Sisma X SLO	13.2	0	0	0	4.8E1	1.306	24996	11363	Sisma Y SLO	0	13.2	0	0	4.8E1	1.306
24997	11363	Sisma X SLD	11	0	0	0	4.8E1	1.306	24998	11363	Sisma Y SLD	0	11	0	0	4.8E1	1.306
24999	11364	Sisma X SLV	25.1	0	0	0	4.8E1	1.306	25000	11364	Sisma Y SLV	0	25.1	0	0	4.8E1	1.306
25001	11364	Sisma X SLO	13.4	0	0	0	4.8E1	1.306	25002	11364	Sisma Y SLO	0	13.4	0	0	4.8E1	1.306
25003	11364	Sisma X SLD	11.1	0	0	0	4.8E1	1.306	25004	11364	Sisma Y SLD	0	11.1	0	0	4.8E1	1.306
25005	11365	Sisma X SLV	30.5	0	0	0	5.8E1	1.306	25006	11365	Sisma Y SLV	0	30.5	0	0	5.8E1	1.306
25007	11365	Sisma X SLO	16.3	0	0	0	5.8E1	1.306	25008	11365	Sisma Y SLO	0	16.3	0	0	5.8E1	1.306
25009	11365	Sisma X SLD	13.5	0	0	0	5.8E1	1.306	25010	11365	Sisma Y SLD	0	13.5	0	0	5.8E1	1.306
25011	11366	Sisma X SLV	35.5	0	0	0	6.8E1	1.306	25012	11366	Sisma Y SLV	0	35.5	0	0	6.8E1	1.306
25013	11366	Sisma X SLO	18.9	0	0	0	6.8E1	1.306	25014	11366	Sisma Y SLO	0	18.9	0	0	6.8E1	1.306
25015	11366	Sisma X SLD	15.7	0	0	0	6.8E1	1.306	25016	11366	Sisma Y SLD	0	15.7	0	0	6.8E1	1.306
25017	11367	Sisma X SLV	34.3	0	0	0	6.6E1	1.306	25018	11367	Sisma Y SLV	0	34.3	0	0	6.6E1	1.306
25019	11367	Sisma X SLO	18.3	0	0	0	6.6E1	1.306	25020	11367	Sisma Y SLO	0	18.3	0	0	6.6E1	1.306
25021	11367	Sisma X SLD	15.2	0	0	0	6.6E1	1.306	25022	11367	Sisma Y SLD	0	15.2	0	0	6.6E1	1.306
25023	11368	Sisma X SLV	36.2	0	0	0	6.9E1	1.306	25024	11368	Sisma Y SLV	0	36.2	0	0	6.9E1	1.306
25025	11368	Sisma X SLO	19.3	0	0	0	6.9E1	1.306	25026	11368	Sisma Y SLO	0	19.3	0	0	6.9E1	1.306
25027	11368	Sisma X SLD	16	0	0	0	6.9E1	1.306	25028	11368	Sisma Y SLD	0	16	0	0	6.9E1	1.306
25029	11369	Sisma X SLV	39.4	0	0	0	7.6E1	1.306	25030	11369	Sisma Y SLV	0	39.4	0	0	7.6E1	1.306
25031	11369	Sisma X SLO	21	0	0	0	7.6E1	1.306	25032	11369	Sisma Y SLO	0	21	0	0	7.6E1	1.306
25033	11369	Sisma X SLD	17.4	0	0	0	7.6E1	1.306	25034	11369	Sisma Y SLD	0	17.4	0	0	7.6E1	1.306
25035	11370	Sisma X SLV	32.1	0	0	0	6.2E1	1.306	25036	11370	Sisma Y SLV	0	32.1	0	0	6.2E1	1.306
25037	11370	Sisma X SLO	17.1	0	0	0	6.2E1	1.306	25038	11370	Sisma Y SLO	0	17.1	0	0	6.2E1	1.306
25039	11370	Sisma X SLD	14.2	0	0	0	6.2E1	1.306	25040	11370	Sisma Y SLD	0	14.2	0	0	6.2E1	1.306
25041	11371	Sisma X SLV	34	0	0	0	6.5E1	1.306	25042	11371	Sisma Y SLV	0	34	0	0	6.5E1	1.306
25043	11371	Sisma X SLO	18.2	0	0	0	6.5E1	1.306	25044	11371	Sisma Y SLO	0	18.2	0	0	6.5E1	1.306
25045	11371	Sisma X SLD	15.1	0	0	0	6.5E1	1.306	25046	11371	Sisma Y SLD	0	15.1	0	0	6.5E1	1.306
25047	11372	Sisma X SLV	33	0	0	0	63.16	1.306	25048	11372	Sisma Y SLV	0	33	0	0	63.16	1.306
25049	11372	Sisma X SLO	17.6	0	0	0	63.16	1.306	25050	11372	Sisma Y SLO	0	17.6	0	0	63.16	1.306
25051	11372	Sisma X SLD	14.6	0	0	0	63.16	1.306	25052	11372	Sisma Y SLD	0	14.6	0	0	63.16	1.306
25053	11373	Sisma X SLV	35.2	0	0	0	6.7E1	1.306	25054	11373	Sisma Y SLV	0	35.2	0	0	6.7E1	1.306
25055	11373	Sisma X SLO	18.7	0	0	0	6.7E1	1.306	25056	11373	Sisma Y SLO	0	18.7	0	0	6.7E1	1.306
25057	11373	Sisma X SLD	15.6	0	0	0	6.7E1	1.306	25058	11373	Sisma Y SLD	0	15.6	0	0	6.7E1	1.306
25059	11374	Sisma X SLV	34	0	0	0	6.5E1	1.306	25060	11374	Sisma Y SLV	0	34	0	0	6.5E1	1.306
25061	11374	Sisma X SLO	18.1	0	0	0	6.5E1	1.306	25062	11374	Sisma Y SLO	0	18.1	0	0	6.5E1	1.306
25063	11374	Sisma X SLD	15	0	0	0	6.5E1	1.306	25064	11374	Sisma Y SLD	0	15	0	0	6.5E1	1.306
25065	11375	Sisma X SLV	30.2	0	0	0	5.8E1	1.306	25066	11375	Sisma Y SLV	0	30.2	0	0	5.8E1	1.306
25067	11375	Sisma X SLO	16.1	0	0	0	5.8E1	1.306	25068	11375	Sisma Y SLO	0	16.1	0	0	5.8E1	1.306
25069	11375	Sisma X SLD	13.4	0	0	0	5.8E1	1.306	25070	11375	Sisma Y SLD	0	13.4	0	0	5.8E1	1.306
25071	11376	Sisma X SLV	30.4	0	0	0	5.8E1	1.306	25072	11376	Sisma Y SLV	0	30.4	0	0	5.8E1	1.306
25073	11376	Sisma X SLO	16.2	0	0	0	5.8E1	1.306	25074	11376	Sisma Y SLO	0	16.2	0	0	5.8E1	1.306
25075	11376	Sisma X SLD	13.4	0	0	0	5.8E1	1.306	25076	11376	Sisma Y SLD	0	13.4	0	0	5.8E1	1.306
25077	11377	Sisma X SLV	31.6	0	0	0	60.62	1.306	25078	11377	Sisma Y SLV	0	31.6	0	0	60.62	1.306
25079	11377	Sisma X SLO	16.9	0	0	0	60.62	1.306	25080	11377	Sisma Y SLO	0	16.9	0	0	60.62	1.306
25081	11377	Sisma X SLD	14	0	0	0	60.62	1.306	25082	11377	Sisma Y SLD	0	14	0	0	60.62	1.306
25083	11378	Sisma X SLV	33.2	0	0	0	63.56	1.306	25084	11378	Sisma Y SLV	0	33.2	0	0	63.56	1.306
25085	11378	Sisma X SLO	17.7	0	0	0	63.56	1.306	25086	11378	Sisma Y SLO	0	17.7	0	0	63.56	1.306
25087	11378	Sisma X SLD	14.7	0	0	0	63.56	1.306	25088	11378	Sisma Y SLD	0	14.7	0	0	63.56	1.306
25089	11379	Sisma X SLV	35.3	0	0	0	6.8E1	1.306	25090	11379	Sisma Y SLV	0	35.3	0	0	6.8E1	1.306
25091	11379	Sisma X SLO	18.8	0	0	0	6.8E1	1.306	25092	11379	Sisma Y SLO	0	18.8	0	0	6.8E1	1.306
25093	11379	Sisma X SLD	15.6	0	0	0	6.8E1	1.306	25094	11379	Sisma Y SLD	0	15.6	0	0	6.8E1	1.306
25095	11380	Sisma X SLV	36.9	0	0	0	7.1E1	1.306	25096	11380	Sisma Y SLV	0	36.9	0	0	7.1E1	1.306
25097	11380	Sisma X SLO	19.7	0	0	0	7.1E1	1.306	25098	11380	Sisma Y SLO	0	19.7	0	0	7.1E1	1.306
25099	11380	Sisma X SLD	16.3	0	0	0	7.1E1	1.306	25100	11380	Sisma Y SLD	0	16.3	0	0	7.1E1	1.306
25101	11381	Sisma X SLV	32.7	0	0	0	6.3E1	1.306	25102	11381	Sisma Y SLV	0	32.7	0	0	6.3E1	1.306
25103	11381	Sisma X SLO	17.5	0	0	0	6.3E1	1.306	25104	11381	Sisma Y SLO	0	17.5	0	0	6.3E1	1.306
25105	11381	Sisma X SLD	14.5	0	0	0	6.3E1	1.306	25106	11381	Sisma Y SLD	0	14.5	0	0	6.3E1	1.306
25107	11382	Sisma X SLV	28.2	0	0	0	5.4E1	1.306	25108	11382	Sisma Y SLV	0	28.2	0	0	5.4E1	1.306
25109	11382	Sisma X SLO	15	0	0	0	5.4E1	1.306	25110	11382	Sisma Y SLO	0	15	0	0	5.4E1	1.306
25111	11382	Sisma X SLD	12.5	0	0	0	5.4E1	1.306	25112	11382	Sisma Y SLD	0	12.5	0	0	5.4E1	1.306

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
25113	11383	Sisma X SLV	24	0	0	0	4.6E1	1.306	25114	11383	Sisma Y SLV	0	24	0	0	4.6E1	1.306
25115	11383	Sisma X SLO	12.8	0	0	0	4.6E1	1.306	25116	11383	Sisma Y SLO	0	12.8	0	0	4.6E1	1.306
25117	11383	Sisma X SLD	10.6	0	0	0	4.6E1	1.306	25118	11383	Sisma Y SLD	0	10.6	0	0	4.6E1	1.306
25119	11384	Sisma X SLV	24.5	0	0	0	46.92	1.306	25120	11384	Sisma Y SLV	0	24.5	0	0	46.92	1.306
25121	11384	Sisma X SLO	13.1	0	0	0	46.92	1.306	25122	11384	Sisma Y SLO	0	13.1	0	0	46.92	1.306
25123	11384	Sisma X SLD	10.8	0	0	0	46.92	1.306	25124	11384	Sisma Y SLD	0	10.8	0	0	46.92	1.306
25125	11385	Sisma X SLV	32.5	0	0	0	6.2E1	1.306	25126	11385	Sisma Y SLV	0	32.5	0	0	6.2E1	1.306
25127	11385	Sisma X SLO	17.3	0	0	0	6.2E1	1.306	25128	11385	Sisma Y SLO	0	17.3	0	0	6.2E1	1.306
25129	11385	Sisma X SLD	14.4	0	0	0	6.2E1	1.306	25130	11385	Sisma Y SLD	0	14.4	0	0	6.2E1	1.306
25131	11386	Sisma X SLV	31.6	0	0	0	6.1E1	1.306	25132	11386	Sisma Y SLV	0	31.6	0	0	6.1E1	1.306
25133	11386	Sisma X SLO	16.8	0	0	0	6.1E1	1.306	25134	11386	Sisma Y SLO	0	16.8	0	0	6.1E1	1.306
25135	11386	Sisma X SLD	14	0	0	0	6.1E1	1.306	25136	11386	Sisma Y SLD	0	14	0	0	6.1E1	1.306
25137	11387	Sisma X SLV	24.1	0	0	0	4.6E1	1.306	25138	11387	Sisma Y SLV	0	24.1	0	0	4.6E1	1.306
25139	11387	Sisma X SLO	12.9	0	0	0	4.6E1	1.306	25140	11387	Sisma Y SLO	0	12.9	0	0	4.6E1	1.306
25141	11387	Sisma X SLD	10.7	0	0	0	4.6E1	1.306	25142	11387	Sisma Y SLD	0	10.7	0	0	4.6E1	1.306
25143	11388	Sisma X SLV	24.7	0	0	0	4.7E1	1.306	25144	11388	Sisma Y SLV	0	24.7	0	0	4.7E1	1.306
25145	11388	Sisma X SLO	13.2	0	0	0	4.7E1	1.306	25146	11388	Sisma Y SLO	0	13.2	0	0	4.7E1	1.306
25147	11388	Sisma X SLD	10.9	0	0	0	4.7E1	1.306	25148	11388	Sisma Y SLD	0	10.9	0	0	4.7E1	1.306
25149	11389	Sisma X SLV	32	0	0	0	6.1E1	1.306	25150	11389	Sisma Y SLV	0	32	0	0	6.1E1	1.306
25151	11389	Sisma X SLO	17.1	0	0	0	6.1E1	1.306	25152	11389	Sisma Y SLO	0	17.1	0	0	6.1E1	1.306
25153	11389	Sisma X SLD	14.2	0	0	0	6.1E1	1.306	25154	11389	Sisma Y SLD	0	14.2	0	0	6.1E1	1.306
25155	11390	Sisma X SLV	33.5	0	0	0	6.4E1	1.306	25156	11390	Sisma Y SLV	0	33.5	0	0	6.4E1	1.306
25157	11390	Sisma X SLO	17.9	0	0	0	6.4E1	1.306	25158	11390	Sisma Y SLO	0	17.9	0	0	6.4E1	1.306
25159	11390	Sisma X SLD	14.8	0	0	0	6.4E1	1.306	25160	11390	Sisma Y SLD	0	14.8	0	0	6.4E1	1.306
25161	11391	Sisma X SLV	27.3	0	0	0	5.2E1	1.306	25162	11391	Sisma Y SLV	0	27.3	0	0	5.2E1	1.306
25163	11391	Sisma X SLO	14.6	0	0	0	5.2E1	1.306	25164	11391	Sisma Y SLO	0	14.6	0	0	5.2E1	1.306
25165	11391	Sisma X SLD	12.1	0	0	0	5.2E1	1.306	25166	11391	Sisma Y SLD	0	12.1	0	0	5.2E1	1.306
25167	11392	Sisma X SLV	27.8	0	0	0	5.3E1	1.306	25168	11392	Sisma Y SLV	0	27.8	0	0	5.3E1	1.306
25169	11392	Sisma X SLO	14.8	0	0	0	5.3E1	1.306	25170	11392	Sisma Y SLO	0	14.8	0	0	5.3E1	1.306
25171	11392	Sisma X SLD	12.3	0	0	0	5.3E1	1.306	25172	11392	Sisma Y SLD	0	12.3	0	0	5.3E1	1.306
25173	11393	Sisma X SLV	33.2	0	0	0	6.4E1	1.306	25174	11393	Sisma Y SLV	0	33.2	0	0	6.4E1	1.306
25175	11393	Sisma X SLO	17.7	0	0	0	6.4E1	1.306	25176	11393	Sisma Y SLO	0	17.7	0	0	6.4E1	1.306
25177	11393	Sisma X SLD	14.7	0	0	0	6.4E1	1.306	25178	11393	Sisma Y SLD	0	14.7	0	0	6.4E1	1.306
25179	11394	Sisma X SLV	33.6	0	0	0	6.4E1	1.306	25180	11394	Sisma Y SLV	0	33.6	0	0	6.4E1	1.306
25181	11394	Sisma X SLO	17.9	0	0	0	6.4E1	1.306	25182	11394	Sisma Y SLO	0	17.9	0	0	6.4E1	1.306
25183	11394	Sisma X SLD	14.9	0	0	0	6.4E1	1.306	25184	11394	Sisma Y SLD	0	14.9	0	0	6.4E1	1.306
25185	11395	Sisma X SLV	26.1	0	0	0	5.0E1	1.306	25186	11395	Sisma Y SLV	0	26.1	0	0	5.0E1	1.306
25187	11395	Sisma X SLO	13.9	0	0	0	5.0E1	1.306	25188	11395	Sisma Y SLO	0	13.9	0	0	5.0E1	1.306
25189	11395	Sisma X SLD	11.6	0	0	0	5.0E1	1.306	25190	11395	Sisma Y SLD	0	11.6	0	0	5.0E1	1.306
25191	11396	Sisma X SLV	25.8	0	0	0	4.9E1	1.306	25192	11396	Sisma Y SLV	0	25.8	0	0	4.9E1	1.306
25193	11396	Sisma X SLO	13.7	0	0	0	4.9E1	1.306	25194	11396	Sisma Y SLO	0	13.7	0	0	4.9E1	1.306
25195	11396	Sisma X SLD	11.4	0	0	0	4.9E1	1.306	25196	11396	Sisma Y SLD	0	11.4	0	0	4.9E1	1.306
25197	11397	Sisma X SLV	27.1	0	0	0	5.2E1	1.306	25198	11397	Sisma Y SLV	0	27.1	0	0	5.2E1	1.306
25199	11397	Sisma X SLO	14.5	0	0	0	5.2E1	1.306	25200	11397	Sisma Y SLO	0	14.5	0	0	5.2E1	1.306
25201	11397	Sisma X SLD	12	0	0	0	5.2E1	1.306	25202	11397	Sisma Y SLD	0	12	0	0	5.2E1	1.306
25203	11398	Sisma X SLV	76.4	0	0	0	1.5E2	1.306	25204	11398	Sisma Y SLV	0	76.4	0	0	1.5E2	1.306
25205	11398	Sisma X SLO	40.8	0	0	0	1.5E2	1.306	25206	11398	Sisma Y SLO	0	40.8	0	0	1.5E2	1.306
25207	11398	Sisma X SLD	33.8	0	0	0	1.5E2	1.306	25208	11398	Sisma Y SLD	0	33.8	0	0	1.5E2	1.306
25209	11399	Sisma X SLV	28.8	0	0	0	5.5E1	1.306	25210	11399	Sisma Y SLV	0	28.8	0	0	5.5E1	1.306
25211	11399	Sisma X SLO	15.4	0	0	0	5.5E1	1.306	25212	11399	Sisma Y SLO	0	15.4	0	0	5.5E1	1.306
25213	11399	Sisma X SLD	12.8	0	0	0	5.5E1	1.306	25214	11399	Sisma Y SLD	0	12.8	0	0	5.5E1	1.306
25215	11400	Sisma X SLV	30.1	0	0	0	5.8E1	1.308	25216	11400	Sisma Y SLV	0	30.1	0	0	5.8E1	1.308
25217	11400	Sisma X SLO	16	0	0	0	5.8E1	1.308	25218	11400	Sisma Y SLO	0	16	0	0	5.8E1	1.308
25219	11400	Sisma X SLD	13.3	0	0	0	5.8E1	1.308	25220	11400	Sisma Y SLD	0	13.3	0	0	5.8E1	1.308
25221	11401	Sisma X SLV	20.2	0	0	0	3.9E1	1.308	25222	11401	Sisma Y SLV	0	20.2	0	0	3.9E1	1.308
25223	11401	Sisma X SLO	10.7	0	0	0	3.9E1	1.308	25224	11401	Sisma Y SLO	0	10.7	0	0	3.9E1	1.308
25225	11401	Sisma X SLD	8.9	0	0	0	3.9E1	1.308	25226	11401	Sisma Y SLD	0	8.9	0	0	3.9E1	1.308
25227	11402	Sisma X SLV	19.4	0	0	0	3.7E1	1.308	25228	11402	Sisma Y SLV	0	19.4	0	0	3.7E1	1.308
25229	11402	Sisma X SLO	10.4	0	0	0	3.7E1	1.308	25230	11402	Sisma Y SLO	0	10.4	0	0	3.7E1	1.308
25231	11402	Sisma X SLD	8.6	0	0	0	3.7E1	1.308	25232	11402	Sisma Y SLD	0	8.6	0	0	3.7E1	1.308
25233	11403	Sisma X SLV	84.7	0	0	0	1.6E2	1.309	25234	11403	Sisma Y SLV	0	84.7	0	0	1.6E2	1.309
25235	11403	Sisma X SLO	45.1	0	0	0	1.6E2	1.309	25236	11403	Sisma Y SLO	0	45.1	0	0	1.6E2	1.309
25237	11403	Sisma X SLD	37.5	0	0	0	1.6E2	1.309	25238	11403	Sisma Y SLD	0	37.5	0	0	1.6E2	1.309
25239	11404	Sisma X SLV	18.9	0	0	0	3.6E1	1.309	25240	11404	Sisma Y SLV	0	18.9	0	0	3.6E1	1.309
25241	11404	Sisma X SLO	10.1	0	0	0	3.6E1	1.309	25242	11404	Sisma Y SLO	0	10.1	0	0	3.6E1	1.309
25243	11404	Sisma X SLD	8.3	0	0	0	3.6E1	1.309	25244	11404	Sisma Y SLD	0	8.3	0	0	3.6E1	1.309
25245	11405	Sisma X SLV	72.7	0	0	0	1.4E2	1.309	25246	11405	Sisma Y SLV	0	72.7	0	0	1.4E2	1.309
25247	11405	Sisma X SLO	38.8	0	0	0	1.4E2	1.309	25248	11405	Sisma Y SLO	0	38.8	0	0	1.4E2	1.309
25249	11405	Sisma X SLD	32.2	0	0	0	1.4E2	1.309	25250	11405	Sisma Y SLD	0	32.2	0	0	1.4E2	1.309
25251	11406	Sisma X SLV	22.8	0	0	0	4.4E1	1.31	25252	11406	Sisma Y SLV	0	22.8	0	0	4.4E1	1.31
25253	11406	Sisma X SLO	12.2	0	0	0	4.4E1	1.31	25254	11406	Sisma Y SLO	0	12.2	0	0	4.4E1	1.31
25255	11406	Sisma X SLD	10.1	0	0	0	4.4E1	1.31	25256	11406	Sisma Y SLD	0	10.1	0	0	4.4E1	1.31
25257	11407	Sisma X SLV	19.9	0	0	0	3.8E1	1.31	25258	11407	Sisma Y SLV	0	19.9	0	0	3.8E1	1.31
25259	11407	Sisma X SLO	10.6	0	0	0	3.8E1	1.31	25260	11407	Sisma Y SLO	0	10.6	0	0	3.8E1	1.31
25261	11407	Sisma X SLD	8.8	0	0	0	3.8E1	1.31	25262	11407	Sisma Y SLD	0	8.8	0	0	3.8E1	1.31
25263	11408	Sisma X SLV	19.7	0	0	0	3.8E1	1.311	25264	11408	Sisma Y SLV	0	19.7	0	0	3.8E1	1.311
25265	11408	Sisma X SLO	10.5	0	0	0	3.8E1	1.311	25266	11408	Sisma Y SLO	0	10.5	0	0	3.8E1	1.311
25267	11408	Sisma X SLD	8.7	0	0	0	3.8E1	1.311	25268	11408	Sisma Y SLD	0	8.7	0	0	3.8E1	1.311
25269	11409	Sisma X SLV	70.4	0	0	0	1.3E2	1.312	25270	11409	Sisma Y SLV	0	70.4	0	0	1.3E2	1.312
25271	11409	Sisma X SLO	37.6	0	0	0	1.3E2	1.312	25272	11409	Sisma Y SLO	0	37.6	0	0	1.3E2	1.312
25273	11409	Sisma X SLD	31.2	0	0	0	1.3E2	1.312	25274	11409	Sisma Y SLD	0	31.2	0	0	1.3E2	1.312
25275	11410	Sisma X SLV	55.2	0	0	0	1.1E2	1.314	25276	11410	Sisma Y SLV	0	55.2	0	0	1.1E2	1.314
25277	11410	Sisma X SLO	29.4	0	0	0	1.1E2	1.314	25278	11410	Sisma Y SLO	0	29.4	0	0	1.1E2	1.314
25279	11410	Sisma X SLD	24.4	0	0	0	1.1E2	1.314	25280	11410	Sisma Y SLD	0	24.4	0	0	1.1E2	1.314
25281	11411	Sisma X SLV	66.1	0	0	0	1.3E2	1.315	25282	11411	Sisma Y SLV	0	66.1	0	0	1.3E2	1.315
25283	11411	Sisma X SLO	35.2	0	0	0	1.3E2	1.315	25284	11411	Sisma Y SLO	0	35.2	0	0	1.3E2	1.315
25285	11411	Sisma X SLD	29.3	0	0	0	1.3E2	1.315	25286	11411	Sisma Y SLD	0	29.3	0	0	1.3E2	1.315
25287	11412	Sisma X SLV	26	0	0	0	4.9E1	1.32	25288	11412	Sisma Y SLV	0	26	0	0	4.9E1	1.32
25289	11412	Sisma X SLO	13.9	0	0	0	4.9E1	1.32	25290	11412	Sisma Y SLO	0	13.9	0	0	4.9E1	1.32
25291	11412	Sisma X SLD	11.5	0	0	0	4.9E1	1.32	25292	11412	Sisma Y SLD	0	11.5	0	0	4.9E1	1.32
25293	11413	Sisma X SLV	24.3	0	0	0	4.6E1	1.326	25294	11413	Sisma Y SLV	0	24.3	0	0	4.6E1	1.326
25295	11413	Sisma X SLO	12.9	0	0	0	4.6E1	1.326	25296	11413	Sisma Y SLO	0	12.9	0	0	4.6E1	1.326
25297	11413	Sisma X SLD	10.7	0	0	0	4.6E1	1.326	25298	11413	Sisma Y SLD	0	10.7	0	0	4.6E1	1.326
25299	11414	Sisma X SLV	54.2	0	0	0	1.0E2	1.326	25300	11414	Sisma Y SLV	0	54.2	0	0	1.0E2	1.326
25301	11414	Sisma X SLO	28.9	0	0	0	1.0E2	1.326	25302	11414	Sisma Y SLO	0	28.9	0	0	1.0E2	1.326
25303	11414	Sisma X SLD	24	0	0	0	1.0E2	1.326	25304	11414	Sisma Y SLD	0	24	0	0	1.0E2	1.326
25305	11415	Sisma X SLV	40.9	0	0	0	7.7E1	1.326	25306	11415	Sisma Y SLV	0	40.9	0	0	7.7E1	1.326
25307	11415	Sisma X SLO	21.8	0	0	0	7.7E1	1.326	25308	11415	Sisma Y SLO	0	21.8	0	0	7.7E1	1.326
25309	11415	Sisma X SLD	18.1	0	0	0	7.7E1	1.326	25310	11415	Sisma Y SLD	0	18.1	0	0	7.7E1	1.326
25311	11416	Sisma X SLV	41.1	0	0	0	7.7E1	1.326	25312	11416	Sisma Y SLV	0	41.1	0	0	7.7E1	1.326

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
25313	11416	Sisma X SLO	21.9	0	0	0	7.7E1	1.326	25314	11416	Sisma Y SLO	0	21.9	0	0	7.7E1	1.326
25315	11416	Sisma X SLD	18.2	0	0	0	7.7E1	1.326	25316	11416	Sisma Y SLD	0	18.2	0	0	7.7E1	1.326
25317	11417	Sisma X SLV	65	0	0	0	1.2E2	1.326	25318	11417	Sisma Y SLV	0	65	0	0	1.2E2	1.326
25319	11417	Sisma X SLO	34.7	0	0	0	1.2E2	1.326	25320	11417	Sisma Y SLO	0	34.7	0	0	1.2E2	1.326
25321	11417	Sisma X SLD	28.8	0	0	0	1.2E2	1.326	25322	11417	Sisma Y SLD	0	28.8	0	0	1.2E2	1.326
25323	11418	Sisma X SLV	40.7	0	0	0	7.7E1	1.33	25324	11418	Sisma Y SLV	0	40.7	0	0	7.7E1	1.33
25325	11418	Sisma X SLO	21.7	0	0	0	7.7E1	1.33	25326	11418	Sisma Y SLO	0	21.7	0	0	7.7E1	1.33
25327	11418	Sisma X SLD	18	0	0	0	7.7E1	1.33	25328	11418	Sisma Y SLD	0	18	0	0	7.7E1	1.33
25329	11419	Sisma X SLV	34.9	0	0	0	6.6E1	1.331	25330	11419	Sisma Y SLV	0	34.9	0	0	6.6E1	1.331
25331	11419	Sisma X SLO	18.6	0	0	0	6.6E1	1.331	25332	11419	Sisma Y SLO	0	18.6	0	0	6.6E1	1.331
25333	11419	Sisma X SLD	15.4	0	0	0	6.6E1	1.331	25334	11419	Sisma Y SLD	0	15.4	0	0	6.6E1	1.331
25335	11420	Sisma X SLV	23.6	0	0	0	4.4E1	1.334	25336	11420	Sisma Y SLV	0	23.6	0	0	4.4E1	1.334
25337	11420	Sisma X SLO	12.6	0	0	0	4.4E1	1.334	25338	11420	Sisma Y SLO	0	12.6	0	0	4.4E1	1.334
25339	11420	Sisma X SLD	10.5	0	0	0	4.4E1	1.334	25340	11420	Sisma Y SLD	0	10.5	0	0	4.4E1	1.334
25341	11421	Sisma X SLV	29	0	0	0	5.4E1	1.335	25342	11421	Sisma Y SLV	0	29	0	0	5.4E1	1.335
25343	11421	Sisma X SLO	15.4	0	0	0	5.4E1	1.335	25344	11421	Sisma Y SLO	0	15.4	0	0	5.4E1	1.335
25345	11421	Sisma X SLD	12.8	0	0	0	5.4E1	1.335	25346	11421	Sisma Y SLD	0	12.8	0	0	5.4E1	1.335
25347	11422	Sisma X SLV	29.8	0	0	0	5.6E1	1.335	25348	11422	Sisma Y SLV	0	29.8	0	0	5.6E1	1.335
25349	11422	Sisma X SLO	15.9	0	0	0	5.6E1	1.335	25350	11422	Sisma Y SLO	0	15.9	0	0	5.6E1	1.335
25351	11422	Sisma X SLD	13.2	0	0	0	5.6E1	1.335	25352	11422	Sisma Y SLD	0	13.2	0	0	5.6E1	1.335
25353	11423	Sisma X SLV	28.9	0	0	0	5.4E1	1.335	25354	11423	Sisma Y SLV	0	28.9	0	0	5.4E1	1.335
25355	11423	Sisma X SLO	15.4	0	0	0	5.4E1	1.335	25356	11423	Sisma Y SLO	0	15.4	0	0	5.4E1	1.335
25357	11423	Sisma X SLD	12.8	0	0	0	5.4E1	1.335	25358	11423	Sisma Y SLD	0	12.8	0	0	5.4E1	1.335
25359	11424	Sisma X SLV	28	0	0	0	5.3E1	1.336	25360	11424	Sisma Y SLV	0	28	0	0	5.3E1	1.336
25361	11424	Sisma X SLO	15	0	0	0	5.3E1	1.336	25362	11424	Sisma Y SLO	0	15	0	0	5.3E1	1.336
25363	11424	Sisma X SLD	12.4	0	0	0	5.3E1	1.336	25364	11424	Sisma Y SLD	0	12.4	0	0	5.3E1	1.336
25365	11425	Sisma X SLV	40.5	0	0	0	7.6E1	1.336	25366	11425	Sisma Y SLV	0	40.5	0	0	7.6E1	1.336
25367	11425	Sisma X SLO	21.6	0	0	0	7.6E1	1.336	25368	11425	Sisma Y SLO	0	21.6	0	0	7.6E1	1.336
25369	11425	Sisma X SLD	17.9	0	0	0	7.6E1	1.336	25370	11425	Sisma Y SLD	0	17.9	0	0	7.6E1	1.336
25371	11426	Sisma X SLV	28	0	0	0	5.2E1	1.336	25372	11426	Sisma Y SLV	0	28	0	0	5.2E1	1.336
25373	11426	Sisma X SLO	14.9	0	0	0	5.2E1	1.336	25374	11426	Sisma Y SLO	0	14.9	0	0	5.2E1	1.336
25375	11426	Sisma X SLD	12.4	0	0	0	5.2E1	1.336	25376	11426	Sisma Y SLD	0	12.4	0	0	5.2E1	1.336
25377	11427	Sisma X SLV	24.3	0	0	0	4.6E1	1.336	25378	11427	Sisma Y SLV	0	24.3	0	0	4.6E1	1.336
25379	11427	Sisma X SLO	13	0	0	0	4.6E1	1.336	25380	11427	Sisma Y SLO	0	13	0	0	4.6E1	1.336
25381	11427	Sisma X SLD	10.8	0	0	0	4.6E1	1.336	25382	11427	Sisma Y SLD	0	10.8	0	0	4.6E1	1.336
25383	11428	Sisma X SLV	21.1	0	0	0	3.9E1	1.336	25384	11428	Sisma Y SLV	0	21.1	0	0	3.9E1	1.336
25385	11428	Sisma X SLO	11.2	0	0	0	3.9E1	1.336	25386	11428	Sisma Y SLO	0	11.2	0	0	3.9E1	1.336
25387	11428	Sisma X SLD	9.3	0	0	0	3.9E1	1.336	25388	11428	Sisma Y SLD	0	9.3	0	0	3.9E1	1.336
25389	11429	Sisma X SLV	26.2	0	0	0	4.9E1	1.337	25390	11429	Sisma Y SLV	0	26.2	0	0	4.9E1	1.337
25391	11429	Sisma X SLO	14	0	0	0	4.9E1	1.337	25392	11429	Sisma Y SLO	0	14	0	0	4.9E1	1.337
25393	11429	Sisma X SLD	11.6	0	0	0	4.9E1	1.337	25394	11429	Sisma Y SLD	0	11.6	0	0	4.9E1	1.337
25395	11430	Sisma X SLV	31.7	0	0	0	5.9E1	1.337	25396	11430	Sisma Y SLV	0	31.7	0	0	5.9E1	1.337
25397	11430	Sisma X SLO	16.9	0	0	0	5.9E1	1.337	25398	11430	Sisma Y SLO	0	16.9	0	0	5.9E1	1.337
25399	11430	Sisma X SLD	14	0	0	0	5.9E1	1.337	25400	11430	Sisma Y SLD	0	14	0	0	5.9E1	1.337
25401	11431	Sisma X SLV	26	0	0	0	4.9E1	1.337	25402	11431	Sisma Y SLV	0	26	0	0	4.9E1	1.337
25403	11431	Sisma X SLO	13.9	0	0	0	4.9E1	1.337	25404	11431	Sisma Y SLO	0	13.9	0	0	4.9E1	1.337
25405	11431	Sisma X SLD	11.5	0	0	0	4.9E1	1.337	25406	11431	Sisma Y SLD	0	11.5	0	0	4.9E1	1.337
25407	11432	Sisma X SLV	26.4	0	0	0	4.9E1	1.337	25408	11432	Sisma Y SLV	0	26.4	0	0	4.9E1	1.337
25409	11432	Sisma X SLO	14.1	0	0	0	4.9E1	1.337	25410	11432	Sisma Y SLO	0	14.1	0	0	4.9E1	1.337
25411	11432	Sisma X SLD	11.7	0	0	0	4.9E1	1.337	25412	11432	Sisma Y SLD	0	11.7	0	0	4.9E1	1.337
25413	11433	Sisma X SLV	28.7	0	0	0	5.4E1	1.337	25414	11433	Sisma Y SLV	0	28.7	0	0	5.4E1	1.337
25415	11433	Sisma X SLO	15.3	0	0	0	5.4E1	1.337	25416	11433	Sisma Y SLO	0	15.3	0	0	5.4E1	1.337
25417	11433	Sisma X SLD	12.7	0	0	0	5.4E1	1.337	25418	11433	Sisma Y SLD	0	12.7	0	0	5.4E1	1.337
25419	11434	Sisma X SLV	21.5	0	0	0	4.0E1	1.337	25420	11434	Sisma Y SLV	0	21.5	0	0	4.0E1	1.337
25421	11434	Sisma X SLO	11.5	0	0	0	4.0E1	1.337	25422	11434	Sisma Y SLO	0	11.5	0	0	4.0E1	1.337
25423	11434	Sisma X SLD	9.5	0	0	0	4.0E1	1.337	25424	11434	Sisma Y SLD	0	9.5	0	0	4.0E1	1.337
25425	11435	Sisma X SLV	23.1	0	0	0	4.3E1	1.337	25426	11435	Sisma Y SLV	0	23.1	0	0	4.3E1	1.337
25427	11435	Sisma X SLO	12.3	0	0	0	4.3E1	1.337	25428	11435	Sisma Y SLO	0	12.3	0	0	4.3E1	1.337
25429	11435	Sisma X SLD	10.2	0	0	0	4.3E1	1.337	25430	11435	Sisma Y SLD	0	10.2	0	0	4.3E1	1.337
25431	11436	Sisma X SLV	25.3	0	0	0	4.7E1	1.337	25432	11436	Sisma Y SLV	0	25.3	0	0	4.7E1	1.337
25433	11436	Sisma X SLO	13.5	0	0	0	4.7E1	1.337	25434	11436	Sisma Y SLO	0	13.5	0	0	4.7E1	1.337
25435	11436	Sisma X SLD	11.2	0	0	0	4.7E1	1.337	25436	11436	Sisma Y SLD	0	11.2	0	0	4.7E1	1.337
25437	11437	Sisma X SLV	22.9	0	0	0	4.3E1	1.338	25438	11437	Sisma Y SLV	0	22.9	0	0	4.3E1	1.338
25439	11437	Sisma X SLO	12.2	0	0	0	4.3E1	1.338	25440	11437	Sisma Y SLO	0	12.2	0	0	4.3E1	1.338
25441	11437	Sisma X SLD	10.1	0	0	0	4.3E1	1.338	25442	11437	Sisma Y SLD	0	10.1	0	0	4.3E1	1.338
25443	11438	Sisma X SLV	23.1	0	0	0	4.3E1	1.338	25444	11438	Sisma Y SLV	0	23.1	0	0	4.3E1	1.338
25445	11438	Sisma X SLO	12.3	0	0	0	4.3E1	1.338	25446	11438	Sisma Y SLO	0	12.3	0	0	4.3E1	1.338
25447	11438	Sisma X SLD	10.2	0	0	0	4.3E1	1.338	25448	11438	Sisma Y SLD	0	10.2	0	0	4.3E1	1.338
25449	11439	Sisma X SLV	28.5	0	0	0	5.3E1	1.338	25450	11439	Sisma Y SLV	0	28.5	0	0	5.3E1	1.338
25451	11439	Sisma X SLO	15.2	0	0	0	5.3E1	1.338	25452	11439	Sisma Y SLO	0	15.2	0	0	5.3E1	1.338
25453	11439	Sisma X SLD	12.6	0	0	0	5.3E1	1.338	25454	11439	Sisma Y SLD	0	12.6	0	0	5.3E1	1.338
25455	11440	Sisma X SLV	38.6	0	0	0	7.2E1	1.338	25456	11440	Sisma Y SLV	0	38.6	0	0	7.2E1	1.338
25457	11440	Sisma X SLO	20.6	0	0	0	7.2E1	1.338	25458	11440	Sisma Y SLO	0	20.6	0	0	7.2E1	1.338
25459	11440	Sisma X SLD	17.1	0	0	0	7.2E1	1.338	25460	11440	Sisma Y SLD	0	17.1	0	0	7.2E1	1.338
25461	11441	Sisma X SLV	47.1	0	0	0	8.8E1	1.338	25462	11441	Sisma Y SLV	0	47.1	0	0	8.8E1	1.338
25463	11441	Sisma X SLO	25.1	0	0	0	8.8E1	1.338	25464	11441	Sisma Y SLO	0	25.1	0	0	8.8E1	1.338
25465	11441	Sisma X SLD	20.9	0	0	0	8.8E1	1.338	25466	11441	Sisma Y SLD	0	20.9	0	0	8.8E1	1.338
25467	11442	Sisma X SLV	47.8	0	0	0	8.9E1	1.338	25468	11442	Sisma Y SLV	0	47.8	0	0	8.9E1	1.338
25469	11442	Sisma X SLO	25.5	0	0	0	8.9E1	1.338	25470	11442	Sisma Y SLO	0	25.5	0	0	8.9E1	1.338
25471	11442	Sisma X SLD	21.2	0	0	0	8.9E1	1.338	25472	11442	Sisma Y SLD	0	21.2	0	0	8.9E1	1.338
25473	11443	Sisma X SLV	29.5	0	0	0	5.5E1	1.339	25474	11443	Sisma Y SLV	0	29.5	0	0	5.5E1	1.339
25475	11443	Sisma X SLO	15.7	0	0	0	5.5E1	1.339	25476	11443	Sisma Y SLO	0	15.7	0	0	5.5E1	1.339
25477	11443	Sisma X SLD	13	0	0	0	5.5E1	1.339	25478	11443	Sisma Y SLD	0	13	0	0	5.5E1	1.339
25479	11444	Sisma X SLV	29.3	0	0	0	5.5E1	1.339	25480	11444	Sisma Y SLV	0	29.3	0	0	5.5E1	1.339
25481	11444	Sisma X SLO	15.6	0	0	0	5.5E1	1.339	25482	11444	Sisma Y SLO	0	15.6	0	0	5.5E1	1.339
25483	11444	Sisma X SLD	13	0	0	0	5.5E1	1.339	25484	11444	Sisma Y SLD	0	13	0	0	5.5E1	1.339
25485	11445	Sisma X SLV	19.5	0	0	0	3.6E1	1.339	25486	11445	Sisma Y SLV	0	19.5	0	0	3.6E1	1.339
25487	11445	Sisma X SLO	10.4	0	0	0	3.6E1	1.339	25488	11445	Sisma Y SLO	0	10.4	0	0	3.6E1	1.339
25489	11445	Sisma X SLD	8.6	0	0	0	3.6E1	1.339	25490	11445	Sisma Y SLD	0	8.6	0	0	3.6E1	1.339
25491	11446	Sisma X SLV	28.8	0	0	0	53.85	1.339	25492	11446	Sisma Y SLV	0	28.8	0	0	53.85	1.339
25493	11446	Sisma X SLO	15.4	0	0	0	53.85	1.339	25494	11446	Sisma Y SLO	0	15.4	0	0	53.85	1.339
25495	11446	Sisma X SLD	12.8	0	0	0	53.85	1.339	25496	11446	Sisma Y SLD	0	12.8	0	0	53.85	1.339
25497	11447	Sisma X SLV	26.6	0	0	0	5.0E1	1.339	25498	11447	Sisma Y SLV	0	26.6	0	0	5.0E1	1.339
25499	11447	Sisma X SLO	14.2	0	0	0	5.0E1	1.339	25500	11447	Sisma Y SLO	0	14.2	0	0	5.0E1	1.339
25501	11447	Sisma X SLD	11.8	0	0	0	5.0E1	1.339	25502	11447	Sisma Y SLD	0	11.8	0	0	5.0E1	1.339
25503	11448	Sisma X SLV	46.6	0	0	0	8.7E1	1.34	25504	11448	Sisma Y SLV	0	46.6	0	0	8.7E1	1.34
25505	11448	Sisma X SLO	24.9	0	0	0	8.7E1	1.34	25506	11448	Sisma Y SLO	0	24.9	0	0	8.7E1	1.34
25507	11448	Sisma X SLD	20.6	0	0	0	8.7E1	1.34	25508	11448	Sisma Y SLD	0	20.6	0	0	8.7E1	1.34
25509	11449	Sisma X SLV	33.2	0	0	0	6.2E1	1.34	25510	11449	Sisma Y SLV	0	33.2	0	0	6.2E1	1.34
25511	11449	Sisma X SLO	17.7	0	0	0	6.2E1	1.34	25512	11449	Sisma Y SLO	0	17.7	0	0	6.2E1	1.34

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
25513	11449	Sisma X SLD	14.7	0	0	0	6.2E1	1.34	25514	11449	Sisma Y SLD	0	14.7	0	0	6.2E1	1.34
25515	11450	Sisma X SLV	38.8	0	0	0	7.2E1	1.34	25516	11450	Sisma Y SLV	0	38.8	0	0	7.2E1	1.34
25517	11450	Sisma X SLO	20.7	0	0	0	7.2E1	1.34	25518	11450	Sisma Y SLO	0	20.7	0	0	7.2E1	1.34
25519	11450	Sisma X SLD	17.2	0	0	0	7.2E1	1.34	25520	11450	Sisma Y SLD	0	17.2	0	0	7.2E1	1.34
25521	11451	Sisma X SLV	25.8	0	0	0	4.8E1	1.34	25522	11451	Sisma Y SLV	0	25.8	0	0	4.8E1	1.34
25523	11451	Sisma X SLO	13.8	0	0	0	4.8E1	1.34	25524	11451	Sisma Y SLO	0	13.8	0	0	4.8E1	1.34
25525	11451	Sisma X SLD	11.4	0	0	0	4.8E1	1.34	25526	11451	Sisma Y SLD	0	11.4	0	0	4.8E1	1.34
25527	11452	Sisma X SLV	41.3	0	0	0	7.7E1	1.34	25528	11452	Sisma Y SLV	0	41.3	0	0	7.7E1	1.34
25529	11452	Sisma X SLO	22	0	0	0	7.7E1	1.34	25530	11452	Sisma Y SLO	0	22	0	0	7.7E1	1.34
25531	11452	Sisma X SLD	18.3	0	0	0	7.7E1	1.34	25532	11452	Sisma Y SLD	0	18.3	0	0	7.7E1	1.34
25533	11453	Sisma X SLV	49.7	0	0	0	9.3E1	1.34	25534	11453	Sisma Y SLV	0	49.7	0	0	9.3E1	1.34
25535	11453	Sisma X SLO	26.5	0	0	0	9.3E1	1.34	25536	11453	Sisma Y SLO	0	26.5	0	0	9.3E1	1.34
25537	11453	Sisma X SLD	22	0	0	0	9.3E1	1.34	25538	11453	Sisma Y SLD	0	22	0	0	9.3E1	1.34
25539	11454	Sisma X SLV	36.5	0	0	0	6.8E1	1.341	25540	11454	Sisma Y SLV	0	36.5	0	0	6.8E1	1.341
25541	11454	Sisma X SLO	19.5	0	0	0	6.8E1	1.341	25542	11454	Sisma Y SLO	0	19.5	0	0	6.8E1	1.341
25543	11454	Sisma X SLD	16.2	0	0	0	6.8E1	1.341	25544	11454	Sisma Y SLD	0	16.2	0	0	6.8E1	1.341
25545	11455	Sisma X SLV	24.9	0	0	0	4.7E1	1.341	25546	11455	Sisma Y SLV	0	24.9	0	0	4.7E1	1.341
25547	11455	Sisma X SLO	13.3	0	0	0	4.7E1	1.341	25548	11455	Sisma Y SLO	0	13.3	0	0	4.7E1	1.341
25549	11455	Sisma X SLD	11	0	0	0	4.7E1	1.341	25550	11455	Sisma Y SLD	0	11	0	0	4.7E1	1.341
25551	11456	Sisma X SLV	27.1	0	0	0	5.1E1	1.341	25552	11456	Sisma Y SLV	0	27.1	0	0	5.1E1	1.341
25553	11456	Sisma X SLO	14.5	0	0	0	5.1E1	1.341	25554	11456	Sisma Y SLO	0	14.5	0	0	5.1E1	1.341
25555	11456	Sisma X SLD	12	0	0	0	5.1E1	1.341	25556	11456	Sisma Y SLD	0	12	0	0	5.1E1	1.341
25557	11457	Sisma X SLV	22.6	0	0	0	4.2E1	1.341	25558	11457	Sisma Y SLV	0	22.6	0	0	4.2E1	1.341
25559	11457	Sisma X SLO	12.1	0	0	0	4.2E1	1.341	25560	11457	Sisma Y SLO	0	12.1	0	0	4.2E1	1.341
25561	11457	Sisma X SLD	10	0	0	0	4.2E1	1.341	25562	11457	Sisma Y SLD	0	10	0	0	4.2E1	1.341
25563	11458	Sisma X SLV	22.7	0	0	0	4.2E1	1.341	25564	11458	Sisma Y SLV	0	22.7	0	0	4.2E1	1.341
25565	11458	Sisma X SLO	12.1	0	0	0	4.2E1	1.341	25566	11458	Sisma Y SLO	0	12.1	0	0	4.2E1	1.341
25567	11458	Sisma X SLD	10	0	0	0	4.2E1	1.341	25568	11458	Sisma Y SLD	0	10	0	0	4.2E1	1.341
25569	11459	Sisma X SLV	23.8	0	0	0	4.4E1	1.341	25570	11459	Sisma Y SLV	0	23.8	0	0	4.4E1	1.341
25571	11459	Sisma X SLO	12.7	0	0	0	4.4E1	1.341	25572	11459	Sisma Y SLO	0	12.7	0	0	4.4E1	1.341
25573	11459	Sisma X SLD	10.5	0	0	0	4.4E1	1.341	25574	11459	Sisma Y SLD	0	10.5	0	0	4.4E1	1.341
25575	11460	Sisma X SLV	28.7	0	0	0	5.4E1	1.342	25576	11460	Sisma Y SLV	0	28.7	0	0	5.4E1	1.342
25577	11460	Sisma X SLO	15.3	0	0	0	5.4E1	1.342	25578	11460	Sisma Y SLO	0	15.3	0	0	5.4E1	1.342
25579	11460	Sisma X SLD	12.7	0	0	0	5.4E1	1.342	25580	11460	Sisma Y SLD	0	12.7	0	0	5.4E1	1.342
25581	11461	Sisma X SLV	42	0	0	0	7.8E1	1.342	25582	11461	Sisma Y SLV	0	42	0	0	7.8E1	1.342
25583	11461	Sisma X SLO	22.4	0	0	0	7.8E1	1.342	25584	11461	Sisma Y SLO	0	22.4	0	0	7.8E1	1.342
25585	11461	Sisma X SLD	18.6	0	0	0	7.8E1	1.342	25586	11461	Sisma Y SLD	0	18.6	0	0	7.8E1	1.342
25587	11462	Sisma X SLV	22.4	0	0	0	4.2E1	1.342	25588	11462	Sisma Y SLV	0	22.4	0	0	4.2E1	1.342
25589	11462	Sisma X SLO	12	0	0	0	4.2E1	1.342	25590	11462	Sisma Y SLO	0	12	0	0	4.2E1	1.342
25591	11462	Sisma X SLD	9.9	0	0	0	4.2E1	1.342	25592	11462	Sisma Y SLD	0	9.9	0	0	4.2E1	1.342
25593	11463	Sisma X SLV	40.2	0	0	0	7.5E1	1.342	25594	11463	Sisma Y SLV	0	40.2	0	0	7.5E1	1.342
25595	11463	Sisma X SLO	21.4	0	0	0	7.5E1	1.342	25596	11463	Sisma Y SLO	0	21.4	0	0	7.5E1	1.342
25597	11463	Sisma X SLD	17.8	0	0	0	7.5E1	1.342	25598	11463	Sisma Y SLD	0	17.8	0	0	7.5E1	1.342
25599	11464	Sisma X SLV	28.8	0	0	0	5.4E1	1.342	25600	11464	Sisma Y SLV	0	28.8	0	0	5.4E1	1.342
25601	11464	Sisma X SLO	15.3	0	0	0	5.4E1	1.342	25602	11464	Sisma Y SLO	0	15.3	0	0	5.4E1	1.342
25603	11464	Sisma X SLD	12.7	0	0	0	5.4E1	1.342	25604	11464	Sisma Y SLD	0	12.7	0	0	5.4E1	1.342
25605	11465	Sisma X SLV	24.6	0	0	0	4.6E1	1.342	25606	11465	Sisma Y SLV	0	24.6	0	0	4.6E1	1.342
25607	11465	Sisma X SLO	13.1	0	0	0	4.6E1	1.342	25608	11465	Sisma Y SLO	0	13.1	0	0	4.6E1	1.342
25609	11465	Sisma X SLD	10.9	0	0	0	4.6E1	1.342	25610	11465	Sisma Y SLD	0	10.9	0	0	4.6E1	1.342
25611	11466	Sisma X SLV	29.9	0	0	0	5.6E1	1.342	25612	11466	Sisma Y SLV	0	29.9	0	0	5.6E1	1.342
25613	11466	Sisma X SLO	15.9	0	0	0	5.6E1	1.342	25614	11466	Sisma Y SLO	0	15.9	0	0	5.6E1	1.342
25615	11466	Sisma X SLD	13.2	0	0	0	5.6E1	1.342	25616	11466	Sisma Y SLD	0	13.2	0	0	5.6E1	1.342
25617	11467	Sisma X SLV	41.8	0	0	0	7.8E1	1.342	25618	11467	Sisma Y SLV	0	41.8	0	0	7.8E1	1.342
25619	11467	Sisma X SLO	22.3	0	0	0	7.8E1	1.342	25620	11467	Sisma Y SLO	0	22.3	0	0	7.8E1	1.342
25621	11467	Sisma X SLD	18.5	0	0	0	7.8E1	1.342	25622	11467	Sisma Y SLD	0	18.5	0	0	7.8E1	1.342
25623	11468	Sisma X SLV	31.2	0	0	0	5.8E1	1.342	25624	11468	Sisma Y SLV	0	31.2	0	0	5.8E1	1.342
25625	11468	Sisma X SLO	16.6	0	0	0	5.8E1	1.342	25626	11468	Sisma Y SLO	0	16.6	0	0	5.8E1	1.342
25627	11468	Sisma X SLD	13.8	0	0	0	5.8E1	1.342	25628	11468	Sisma Y SLD	0	13.8	0	0	5.8E1	1.342
25629	11469	Sisma X SLV	25.3	0	0	0	4.7E1	1.342	25630	11469	Sisma Y SLV	0	25.3	0	0	4.7E1	1.342
25631	11469	Sisma X SLO	13.5	0	0	0	4.7E1	1.342	25632	11469	Sisma Y SLO	0	13.5	0	0	4.7E1	1.342
25633	11469	Sisma X SLD	11.2	0	0	0	4.7E1	1.342	25634	11469	Sisma Y SLD	0	11.2	0	0	4.7E1	1.342
25635	11470	Sisma X SLV	22	0	0	0	4.1E1	1.343	25636	11470	Sisma Y SLV	0	22	0	0	4.1E1	1.343
25637	11470	Sisma X SLO	11.7	0	0	0	4.1E1	1.343	25638	11470	Sisma Y SLO	0	11.7	0	0	4.1E1	1.343
25639	11470	Sisma X SLD	9.7	0	0	0	4.1E1	1.343	25640	11470	Sisma Y SLD	0	9.7	0	0	4.1E1	1.343
25641	11471	Sisma X SLV	25.3	0	0	0	4.7E1	1.343	25642	11471	Sisma Y SLV	0	25.3	0	0	4.7E1	1.343
25643	11471	Sisma X SLO	13.5	0	0	0	4.7E1	1.343	25644	11471	Sisma Y SLO	0	13.5	0	0	4.7E1	1.343
25645	11471	Sisma X SLD	11.2	0	0	0	4.7E1	1.343	25646	11471	Sisma Y SLD	0	11.2	0	0	4.7E1	1.343
25647	11472	Sisma X SLV	40.8	0	0	0	7.6E1	1.343	25648	11472	Sisma Y SLV	0	40.8	0	0	7.6E1	1.343
25649	11472	Sisma X SLO	21.7	0	0	0	7.6E1	1.343	25650	11472	Sisma Y SLO	0	21.7	0	0	7.6E1	1.343
25651	11472	Sisma X SLD	18	0	0	0	7.6E1	1.343	25652	11472	Sisma Y SLD	0	18	0	0	7.6E1	1.343
25653	11473	Sisma X SLV	36.2	0	0	0	6.7E1	1.343	25654	11473	Sisma Y SLV	0	36.2	0	0	6.7E1	1.343
25655	11473	Sisma X SLO	19.3	0	0	0	6.7E1	1.343	25656	11473	Sisma Y SLO	0	19.3	0	0	6.7E1	1.343
25657	11473	Sisma X SLD	16	0	0	0	6.7E1	1.343	25658	11473	Sisma Y SLD	0	16	0	0	6.7E1	1.343
25659	11474	Sisma X SLV	32.5	0	0	0	6.0E1	1.343	25660	11474	Sisma Y SLV	0	32.5	0	0	6.0E1	1.343
25661	11474	Sisma X SLO	17.3	0	0	0	6.0E1	1.343	25662	11474	Sisma Y SLO	0	17.3	0	0	6.0E1	1.343
25663	11474	Sisma X SLD	14.4	0	0	0	6.0E1	1.343	25664	11474	Sisma Y SLD	0	14.4	0	0	6.0E1	1.343
25665	11475	Sisma X SLV	53.3	0	0	0	9.9E1	1.344	25666	11475	Sisma Y SLV	0	53.3	0	0	9.9E1	1.344
25667	11475	Sisma X SLO	28.4	0	0	0	9.9E1	1.344	25668	11475	Sisma Y SLO	0	28.4	0	0	9.9E1	1.344
25669	11475	Sisma X SLD	23.6	0	0	0	9.9E1	1.344	25670	11475	Sisma Y SLD	0	23.6	0	0	9.9E1	1.344
25671	11476	Sisma X SLV	24.2	0	0	0	4.5E1	1.344	25672	11476	Sisma Y SLV	0	24.2	0	0	4.5E1	1.344
25673	11476	Sisma X SLO	12.9	0	0	0	4.5E1	1.344	25674	11476	Sisma Y SLO	0	12.9	0	0	4.5E1	1.344
25675	11476	Sisma X SLD	10.7	0	0	0	4.5E1	1.344	25676	11476	Sisma Y SLD	0	10.7	0	0	4.5E1	1.344
25677	11477	Sisma X SLV	30.1	0	0	0	5.6E1	1.344	25678	11477	Sisma Y SLV	0	30.1	0	0	5.6E1	1.344
25679	11477	Sisma X SLO	16	0	0	0	5.6E1	1.344	25680	11477	Sisma Y SLO	0	16	0	0	5.6E1	1.344
25681	11477	Sisma X SLD	13.3	0	0	0	5.6E1	1.344	25682	11477	Sisma Y SLD	0	13.3	0	0	5.6E1	1.344
25683	11478	Sisma X SLV	53.2	0	0	0	9.9E1	1.345	25684	11478	Sisma Y SLV	0	53.2	0	0	9.9E1	1.345
25685	11478	Sisma X SLO	28.4	0	0	0	9.9E1	1.345	25686	11478	Sisma Y SLO	0	28.4	0	0	9.9E1	1.345
25687	11478	Sisma X SLD	23.6	0	0	0	9.9E1	1.345	25688	11478	Sisma Y SLD	0	23.6	0	0	9.9E1	1.345
25689	11479	Sisma X SLV	38.7	0	0	0	72.1	1.345	25690	11479	Sisma Y SLV	0	38.7	0	0	72.1	1.345
25691	11479	Sisma X SLO	20.7	0	0	0	72.1	1.345	25692	11479	Sisma Y SLO	0	20.7	0	0	72.1	1.345
25693	11479	Sisma X SLD	17.1	0	0	0	72.1	1.345	25694	11479	Sisma Y SLD	0	17.1	0	0	72.1	1.345
25695	11480	Sisma X SLV	36	0	0	0	6.7E1	1.345	25696	11480	Sisma Y SLV	0	36	0	0	6.7E1	1.345
25697	11480	Sisma X SLO	19.2	0	0	0	6.7E1	1.345	25698	11480	Sisma Y SLO	0	19.2	0	0	6.7E1	1.345
25699	11480	Sisma X SLD	15.9	0	0	0	6.7E1	1.345	25700	11480	Sisma Y SLD	0	15.9	0	0	6.7E1	1.345
25701	11481	Sisma X SLV	37.9	0	0	0	70.56	1.345	25702	11481	Sisma Y SLV	0	37.9	0	0	70.56	1.345
25703	11481	Sisma X SLO	20.2	0	0	0	70.56	1.345	25704	11481	Sisma Y SLO	0	20.2	0	0	70.56	1.345
25705	11481	Sisma X SLD	16.8	0	0	0	70.56	1.345	25706	11481	Sisma Y SLD	0	16.8	0	0	70.56	1.345
25707	11482	Sisma X SLV	35.2	0	0	0	6.5E1	1.345	25708	11482	Sisma Y SLV	0	35.2	0	0	6.5E1	1.345
25709	11482	Sisma X SLO	18.8	0	0	0	6.5E1	1.345	25710	11482	Sisma Y SLO	0	18.8	0	0	6.5E1	1.345
25711	11482	Sisma X SLD	15.6	0	0	0	6.5E1	1.345	25712	11482	Sisma Y SLD	0	15.6	0	0	6.5E1	1.345

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
25713	11483	Sisma X SLV	41.3	0	0	0	7.7E1	1.345	25714	11483	Sisma Y SLV	0	41.3	0	0	7.7E1	1.345
25715	11483	Sisma X SLO	22	0	0	0	7.7E1	1.345	25716	11483	Sisma Y SLO	0	22	0	0	7.7E1	1.345
25717	11483	Sisma X SLD	18.3	0	0	0	7.7E1	1.345	25718	11483	Sisma Y SLD	0	18.3	0	0	7.7E1	1.345
25719	11484	Sisma X SLV	32.4	0	0	0	6.0E1	1.346	25720	11484	Sisma Y SLV	0	32.4	0	0	6.0E1	1.346
25721	11484	Sisma X SLO	17.3	0	0	0	6.0E1	1.346	25722	11484	Sisma Y SLO	0	17.3	0	0	6.0E1	1.346
25723	11484	Sisma X SLD	14.3	0	0	0	6.0E1	1.346	25724	11484	Sisma Y SLD	0	14.3	0	0	6.0E1	1.346
25725	11485	Sisma X SLV	30.9	0	0	0	5.7E1	1.346	25726	11485	Sisma Y SLV	0	30.9	0	0	5.7E1	1.346
25727	11485	Sisma X SLO	16.5	0	0	0	5.7E1	1.346	25728	11485	Sisma Y SLO	0	16.5	0	0	5.7E1	1.346
25729	11485	Sisma X SLD	13.7	0	0	0	5.7E1	1.346	25730	11485	Sisma Y SLD	0	13.7	0	0	5.7E1	1.346
25731	11486	Sisma X SLV	37.9	0	0	0	7.0E1	1.346	25732	11486	Sisma Y SLV	0	37.9	0	0	7.0E1	1.346
25733	11486	Sisma X SLO	20.2	0	0	0	7.0E1	1.346	25734	11486	Sisma Y SLO	0	20.2	0	0	7.0E1	1.346
25735	11486	Sisma X SLD	16.8	0	0	0	7.0E1	1.346	25736	11486	Sisma Y SLD	0	16.8	0	0	7.0E1	1.346
25737	11487	Sisma X SLV	22.4	0	0	0	4.2E1	1.346	25738	11487	Sisma Y SLV	0	22.4	0	0	4.2E1	1.346
25739	11487	Sisma X SLO	12	0	0	0	4.2E1	1.346	25740	11487	Sisma Y SLO	0	12	0	0	4.2E1	1.346
25741	11487	Sisma X SLD	9.9	0	0	0	4.2E1	1.346	25742	11487	Sisma Y SLD	0	9.9	0	0	4.2E1	1.346
25743	11488	Sisma X SLV	39.9	0	0	0	7.4E1	1.346	25744	11488	Sisma Y SLV	0	39.9	0	0	7.4E1	1.346
25745	11488	Sisma X SLO	21.3	0	0	0	7.4E1	1.346	25746	11488	Sisma Y SLO	0	21.3	0	0	7.4E1	1.346
25747	11488	Sisma X SLD	17.7	0	0	0	7.4E1	1.346	25748	11488	Sisma Y SLD	0	17.7	0	0	7.4E1	1.346
25749	11489	Sisma X SLV	36.3	0	0	0	6.7E1	1.346	25750	11489	Sisma Y SLV	0	36.3	0	0	6.7E1	1.346
25751	11489	Sisma X SLO	19.3	0	0	0	6.7E1	1.346	25752	11489	Sisma Y SLO	0	19.3	0	0	6.7E1	1.346
25753	11489	Sisma X SLD	16	0	0	0	6.7E1	1.346	25754	11489	Sisma Y SLD	0	16	0	0	6.7E1	1.346
25755	11490	Sisma X SLV	21.8	0	0	0	40.48	1.346	25756	11490	Sisma Y SLV	0	21.8	0	0	40.48	1.346
25757	11490	Sisma X SLO	11.6	0	0	0	40.48	1.346	25758	11490	Sisma Y SLO	0	11.6	0	0	40.48	1.346
25759	11490	Sisma X SLD	9.6	0	0	0	40.48	1.346	25760	11490	Sisma Y SLD	0	9.6	0	0	40.48	1.346
25761	11491	Sisma X SLV	33.5	0	0	0	6.2E1	1.347	25762	11491	Sisma Y SLV	0	33.5	0	0	6.2E1	1.347
25763	11491	Sisma X SLO	17.8	0	0	0	6.2E1	1.347	25764	11491	Sisma Y SLO	0	17.8	0	0	6.2E1	1.347
25765	11491	Sisma X SLD	14.8	0	0	0	6.2E1	1.347	25766	11491	Sisma Y SLD	0	14.8	0	0	6.2E1	1.347
25767	11492	Sisma X SLV	38.2	0	0	0	7.1E1	1.347	25768	11492	Sisma Y SLV	0	38.2	0	0	7.1E1	1.347
25769	11492	Sisma X SLO	20.3	0	0	0	7.1E1	1.347	25770	11492	Sisma Y SLO	0	20.3	0	0	7.1E1	1.347
25771	11492	Sisma X SLD	16.9	0	0	0	7.1E1	1.347	25772	11492	Sisma Y SLD	0	16.9	0	0	7.1E1	1.347
25773	11493	Sisma X SLV	38.9	0	0	0	72.31	1.347	25774	11493	Sisma Y SLV	0	38.9	0	0	72.31	1.347
25775	11493	Sisma X SLO	20.8	0	0	0	72.31	1.347	25776	11493	Sisma Y SLO	0	20.8	0	0	72.31	1.347
25777	11493	Sisma X SLD	17.2	0	0	0	72.31	1.347	25778	11493	Sisma Y SLD	0	17.2	0	0	72.31	1.347
25779	11494	Sisma X SLV	28.3	0	0	0	5.3E1	1.347	25780	11494	Sisma Y SLV	0	28.3	0	0	5.3E1	1.347
25781	11494	Sisma X SLO	15.1	0	0	0	5.3E1	1.347	25782	11494	Sisma Y SLO	0	15.1	0	0	5.3E1	1.347
25783	11494	Sisma X SLD	12.5	0	0	0	5.3E1	1.347	25784	11494	Sisma Y SLD	0	12.5	0	0	5.3E1	1.347
25785	11495	Sisma X SLV	27.1	0	0	0	50.37	1.347	25786	11495	Sisma Y SLV	0	27.1	0	0	50.37	1.347
25787	11495	Sisma X SLO	14.5	0	0	0	50.37	1.347	25788	11495	Sisma Y SLO	0	14.5	0	0	50.37	1.347
25789	11495	Sisma X SLD	12	0	0	0	50.37	1.347	25790	11495	Sisma Y SLD	0	12	0	0	50.37	1.347
25791	11496	Sisma X SLV	37	0	0	0	6.9E1	1.347	25792	11496	Sisma Y SLV	0	37	0	0	6.9E1	1.347
25793	11496	Sisma X SLO	19.7	0	0	0	6.9E1	1.347	25794	11496	Sisma Y SLO	0	19.7	0	0	6.9E1	1.347
25795	11496	Sisma X SLD	16.4	0	0	0	6.9E1	1.347	25796	11496	Sisma Y SLD	0	16.4	0	0	6.9E1	1.347
25797	11497	Sisma X SLV	28.9	0	0	0	5.4E1	1.348	25798	11497	Sisma Y SLV	0	28.9	0	0	5.4E1	1.348
25799	11497	Sisma X SLO	15.4	0	0	0	5.4E1	1.348	25800	11497	Sisma Y SLO	0	15.4	0	0	5.4E1	1.348
25801	11497	Sisma X SLD	12.8	0	0	0	5.4E1	1.348	25802	11497	Sisma Y SLD	0	12.8	0	0	5.4E1	1.348
25803	11498	Sisma X SLV	30	0	0	0	5.6E1	1.348	25804	11498	Sisma Y SLV	0	30	0	0	5.6E1	1.348
25805	11498	Sisma X SLO	16	0	0	0	5.6E1	1.348	25806	11498	Sisma Y SLO	0	16	0	0	5.6E1	1.348
25807	11498	Sisma X SLD	13.3	0	0	0	5.6E1	1.348	25808	11498	Sisma Y SLD	0	13.3	0	0	5.6E1	1.348
25809	11499	Sisma X SLV	25.2	0	0	0	4.7E1	1.348	25810	11499	Sisma Y SLV	0	25.2	0	0	4.7E1	1.348
25811	11499	Sisma X SLO	13.4	0	0	0	4.7E1	1.348	25812	11499	Sisma Y SLO	0	13.4	0	0	4.7E1	1.348
25813	11499	Sisma X SLD	11.2	0	0	0	4.7E1	1.348	25814	11499	Sisma Y SLD	0	11.2	0	0	4.7E1	1.348
25815	11500	Sisma X SLV	40.1	0	0	0	7.4E1	1.348	25816	11500	Sisma Y SLV	0	40.1	0	0	7.4E1	1.348
25817	11500	Sisma X SLO	21.4	0	0	0	7.4E1	1.348	25818	11500	Sisma Y SLO	0	21.4	0	0	7.4E1	1.348
25819	11500	Sisma X SLD	17.7	0	0	0	7.4E1	1.348	25820	11500	Sisma Y SLD	0	17.7	0	0	7.4E1	1.348
25821	11501	Sisma X SLV	47.4	0	0	0	8.8E1	1.348	25822	11501	Sisma Y SLV	0	47.4	0	0	8.8E1	1.348
25823	11501	Sisma X SLO	25.3	0	0	0	8.8E1	1.348	25824	11501	Sisma Y SLO	0	25.3	0	0	8.8E1	1.348
25825	11501	Sisma X SLD	21	0	0	0	8.8E1	1.348	25826	11501	Sisma Y SLD	0	21	0	0	8.8E1	1.348
25827	11502	Sisma X SLV	21.4	0	0	0	4.0E1	1.348	25828	11502	Sisma Y SLV	0	21.4	0	0	4.0E1	1.348
25829	11502	Sisma X SLO	11.4	0	0	0	4.0E1	1.348	25830	11502	Sisma Y SLO	0	11.4	0	0	4.0E1	1.348
25831	11502	Sisma X SLD	9.5	0	0	0	4.0E1	1.348	25832	11502	Sisma Y SLD	0	9.5	0	0	4.0E1	1.348
25833	11503	Sisma X SLV	46.2	0	0	0	8.6E1	1.348	25834	11503	Sisma Y SLV	0	46.2	0	0	8.6E1	1.348
25835	11503	Sisma X SLO	24.7	0	0	0	8.6E1	1.348	25836	11503	Sisma Y SLO	0	24.7	0	0	8.6E1	1.348
25837	11503	Sisma X SLD	20.5	0	0	0	8.6E1	1.348	25838	11503	Sisma Y SLD	0	20.5	0	0	8.6E1	1.348
25839	11504	Sisma X SLV	46.7	0	0	0	8.7E1	1.348	25840	11504	Sisma Y SLV	0	46.7	0	0	8.7E1	1.348
25841	11504	Sisma X SLO	24.9	0	0	0	8.7E1	1.348	25842	11504	Sisma Y SLO	0	24.9	0	0	8.7E1	1.348
25843	11504	Sisma X SLD	20.7	0	0	0	8.7E1	1.348	25844	11504	Sisma Y SLD	0	20.7	0	0	8.7E1	1.348
25845	11505	Sisma X SLV	47.6	0	0	0	8.8E1	1.348	25846	11505	Sisma Y SLV	0	47.6	0	0	8.8E1	1.348
25847	11505	Sisma X SLO	25.4	0	0	0	8.8E1	1.348	25848	11505	Sisma Y SLO	0	25.4	0	0	8.8E1	1.348
25849	11505	Sisma X SLD	21.1	0	0	0	8.8E1	1.348	25850	11505	Sisma Y SLD	0	21.1	0	0	8.8E1	1.348
25851	11506	Sisma X SLV	45.9	0	0	0	8.5E1	1.348	25852	11506	Sisma Y SLV	0	45.9	0	0	8.5E1	1.348
25853	11506	Sisma X SLO	24.5	0	0	0	8.5E1	1.348	25854	11506	Sisma Y SLO	0	24.5	0	0	8.5E1	1.348
25855	11506	Sisma X SLD	20.3	0	0	0	8.5E1	1.348	25856	11506	Sisma Y SLD	0	20.3	0	0	8.5E1	1.348
25857	11507	Sisma X SLV	47.5	0	0	0	8.8E1	1.348	25858	11507	Sisma Y SLV	0	47.5	0	0	8.8E1	1.348
25859	11507	Sisma X SLO	25.3	0	0	0	8.8E1	1.348	25860	11507	Sisma Y SLO	0	25.3	0	0	8.8E1	1.348
25861	11507	Sisma X SLD	21	0	0	0	8.8E1	1.348	25862	11507	Sisma Y SLD	0	21	0	0	8.8E1	1.348
25863	11508	Sisma X SLV	41.8	0	0	0	7.8E1	1.348	25864	11508	Sisma Y SLV	0	41.8	0	0	7.8E1	1.348
25865	11508	Sisma X SLO	22.3	0	0	0	7.8E1	1.348	25866	11508	Sisma Y SLO	0	22.3	0	0	7.8E1	1.348
25867	11508	Sisma X SLD	18.5	0	0	0	7.8E1	1.348	25868	11508	Sisma Y SLD	0	18.5	0	0	7.8E1	1.348
25869	11509	Sisma X SLV	45.6	0	0	0	84.7	1.348	25870	11509	Sisma Y SLV	0	45.6	0	0	84.7	1.348
25871	11509	Sisma X SLO	24.3	0	0	0	84.7	1.348	25872	11509	Sisma Y SLO	0	24.3	0	0	84.7	1.348
25873	11509	Sisma X SLD	20.2	0	0	0	84.7	1.348	25874	11509	Sisma Y SLD	0	20.2	0	0	84.7	1.348
25875	11510	Sisma X SLV	42.5	0	0	0	7.9E1	1.349	25876	11510	Sisma Y SLV	0	42.5	0	0	7.9E1	1.349
25877	11510	Sisma X SLO	22.6	0	0	0	7.9E1	1.349	25878	11510	Sisma Y SLO	0	22.6	0	0	7.9E1	1.349
25879	11510	Sisma X SLD	18.8	0	0	0	7.9E1	1.349	25880	11510	Sisma Y SLD	0	18.8	0	0	7.9E1	1.349
25881	11511	Sisma X SLV	44.7	0	0	0	8.3E1	1.349	25882	11511	Sisma Y SLV	0	44.7	0	0	8.3E1	1.349
25883	11511	Sisma X SLO	23.8	0	0	0	8.3E1	1.349	25884	11511	Sisma Y SLO	0	23.8	0	0	8.3E1	1.349
25885	11511	Sisma X SLD	19.8	0	0	0	8.3E1	1.349	25886	11511	Sisma Y SLD	0	19.8	0	0	8.3E1	1.349
25887	11512	Sisma X SLV	23.2	0	0	0	4.3E1	1.349	25888	11512	Sisma Y SLV	0	23.2	0	0	4.3E1	1.349
25889	11512	Sisma X SLO	12.4	0	0	0	4.3E1	1.349	25890	11512	Sisma Y SLO	0	12.4	0	0	4.3E1	1.349
25891	11512	Sisma X SLD	10.3	0	0	0	4.3E1	1.349	25892	11512	Sisma Y SLD	0	10.3	0	0	4.3E1	1.349
25893	11513	Sisma X SLV	38.1	0	0	0	7.1E1	1.349	25894	11513	Sisma Y SLV	0	38.1	0	0	7.1E1	1.349
25895	11513	Sisma X SLO	20.3	0	0	0	7.1E1	1.349	25896	11513	Sisma Y SLO	0	20.3	0	0	7.1E1	1.349
25897	11513	Sisma X SLD	16.8	0	0	0	7.1E1	1.349	25898	11513	Sisma Y SLD	0	16.8	0	0	7.1E1	1.349
25899	11514	Sisma X SLV	24.6	0	0	0	4.6E1	1.349	25900	11514	Sisma Y SLV	0	24.6	0	0	4.6E1	1.349
25901	11514	Sisma X SLO	13.1	0	0	0	4.6E1	1.349	25902	11514	Sisma Y SLO	0	13.1	0	0	4.6E1	1.349
25903	11514	Sisma X SLD	10.9	0	0	0	4.6E1	1.349	25904	11514	Sisma Y SLD	0	10.9	0	0	4.6E1	1.349
25905	11515	Sisma X SLV	47.9	0	0	0	8.9E1	1.349	25906	11515	Sisma Y SLV	0	47.9	0	0	8.9E1	1.349
25907	11515	Sisma X SLO	25.5	0	0	0	8.9E1	1.349	25908	11515	Sisma Y SLO	0	25.5	0	0	8.9E1	1.349
25909	11515	Sisma X SLD	21.2	0	0	0	8.9E1	1.349	25910	11515	Sisma Y SLD	0	21.2	0	0	8.9E1	1.349
25911	11516	Sisma X SLV	49.1	0	0	0	9.1E1	1.349	25912	11516	Sisma Y SLV	0	49.1	0	0	9.1E1	1.349

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
25913	11516	Sisma X SLO	26.2	0	0	0	9.1E1	1.349	25914	11516	Sisma Y SLO	0	26.2	0	0	9.1E1	1.349
25915	11516	Sisma X SLD	21.7	0	0	0	9.1E1	1.349	25916	11516	Sisma Y SLD	0	21.7	0	0	9.1E1	1.349
25917	11517	Sisma X SLV	22	0	0	0	4.1E1	1.349	25918	11517	Sisma Y SLV	0	22	0	0	4.1E1	1.349
25919	11517	Sisma X SLO	11.7	0	0	0	4.1E1	1.349	25920	11517	Sisma Y SLO	0	11.7	0	0	4.1E1	1.349
25921	11517	Sisma X SLD	9.7	0	0	0	4.1E1	1.349	25922	11517	Sisma Y SLD	0	9.7	0	0	4.1E1	1.349
25923	11518	Sisma X SLV	44.7	0	0	0	82.97	1.349	25924	11518	Sisma Y SLV	0	44.7	0	0	82.97	1.349
25925	11518	Sisma X SLO	23.9	0	0	0	82.97	1.349	25926	11518	Sisma Y SLO	0	23.9	0	0	82.97	1.349
25927	11518	Sisma X SLD	19.8	0	0	0	82.97	1.349	25928	11518	Sisma Y SLD	0	19.8	0	0	82.97	1.349
25929	11519	Sisma X SLV	48.4	0	0	0	9.0E1	1.349	25930	11519	Sisma Y SLV	0	48.4	0	0	9.0E1	1.349
25931	11519	Sisma X SLO	25.8	0	0	0	9.0E1	1.349	25932	11519	Sisma Y SLO	0	25.8	0	0	9.0E1	1.349
25933	11519	Sisma X SLD	21.4	0	0	0	9.0E1	1.349	25934	11519	Sisma Y SLD	0	21.4	0	0	9.0E1	1.349
25935	11520	Sisma X SLV	44.9	0	0	0	8.3E1	1.35	25936	11520	Sisma Y SLV	0	44.9	0	0	8.3E1	1.35
25937	11520	Sisma X SLO	23.9	0	0	0	8.3E1	1.35	25938	11520	Sisma Y SLO	0	23.9	0	0	8.3E1	1.35
25939	11520	Sisma X SLD	19.9	0	0	0	8.3E1	1.35	25940	11520	Sisma Y SLD	0	19.9	0	0	8.3E1	1.35
25941	11521	Sisma X SLV	45.8	0	0	0	8.5E1	1.35	25942	11521	Sisma Y SLV	0	45.8	0	0	8.5E1	1.35
25943	11521	Sisma X SLO	24.4	0	0	0	8.5E1	1.35	25944	11521	Sisma Y SLO	0	24.4	0	0	8.5E1	1.35
25945	11521	Sisma X SLD	20.3	0	0	0	8.5E1	1.35	25946	11521	Sisma Y SLD	0	20.3	0	0	8.5E1	1.35
25947	11522	Sisma X SLV	49.2	0	0	0	9.1E1	1.35	25948	11522	Sisma Y SLV	0	49.2	0	0	9.1E1	1.35
25949	11522	Sisma X SLO	26.2	0	0	0	9.1E1	1.35	25950	11522	Sisma Y SLO	0	26.2	0	0	9.1E1	1.35
25951	11522	Sisma X SLD	21.8	0	0	0	9.1E1	1.35	25952	11522	Sisma Y SLD	0	21.8	0	0	9.1E1	1.35
25953	11523	Sisma X SLV	32	0	0	0	5.9E1	1.35	25954	11523	Sisma Y SLV	0	32	0	0	5.9E1	1.35
25955	11523	Sisma X SLO	17.1	0	0	0	5.9E1	1.35	25956	11523	Sisma Y SLO	0	17.1	0	0	5.9E1	1.35
25957	11523	Sisma X SLD	14.2	0	0	0	5.9E1	1.35	25958	11523	Sisma Y SLD	0	14.2	0	0	5.9E1	1.35
25959	11524	Sisma X SLV	62.6	0	0	0	1.2E2	1.35	25960	11524	Sisma Y SLV	0	62.6	0	0	1.2E2	1.35
25961	11524	Sisma X SLO	33.4	0	0	0	1.2E2	1.35	25962	11524	Sisma Y SLO	0	33.4	0	0	1.2E2	1.35
25963	11524	Sisma X SLD	27.7	0	0	0	1.2E2	1.35	25964	11524	Sisma Y SLD	0	27.7	0	0	1.2E2	1.35
25965	11525	Sisma X SLV	44.2	0	0	0	8.2E1	1.35	25966	11525	Sisma Y SLV	0	44.2	0	0	8.2E1	1.35
25967	11525	Sisma X SLO	23.6	0	0	0	8.2E1	1.35	25968	11525	Sisma Y SLO	0	23.6	0	0	8.2E1	1.35
25969	11525	Sisma X SLD	19.6	0	0	0	8.2E1	1.35	25970	11525	Sisma Y SLD	0	19.6	0	0	8.2E1	1.35
25971	11526	Sisma X SLV	53.5	0	0	0	9.9E1	1.35	25972	11526	Sisma Y SLV	0	53.5	0	0	9.9E1	1.35
25973	11526	Sisma X SLO	28.5	0	0	0	9.9E1	1.35	25974	11526	Sisma Y SLO	0	28.5	0	0	9.9E1	1.35
25975	11526	Sisma X SLD	23.7	0	0	0	9.9E1	1.35	25976	11526	Sisma Y SLD	0	23.7	0	0	9.9E1	1.35
25977	11527	Sisma X SLV	39	0	0	0	7.2E1	1.35	25978	11527	Sisma Y SLV	0	39	0	0	7.2E1	1.35
25979	11527	Sisma X SLO	20.8	0	0	0	7.2E1	1.35	25980	11527	Sisma Y SLO	0	20.8	0	0	7.2E1	1.35
25981	11527	Sisma X SLD	17.2	0	0	0	7.2E1	1.35	25982	11527	Sisma Y SLD	0	17.2	0	0	7.2E1	1.35
25983	11528	Sisma X SLV	52.9	0	0	0	9.8E1	1.35	25984	11528	Sisma Y SLV	0	52.9	0	0	9.8E1	1.35
25985	11528	Sisma X SLO	28.2	0	0	0	9.8E1	1.35	25986	11528	Sisma Y SLO	0	28.2	0	0	9.8E1	1.35
25987	11528	Sisma X SLD	23.4	0	0	0	9.8E1	1.35	25988	11528	Sisma Y SLD	0	23.4	0	0	9.8E1	1.35
25989	11529	Sisma X SLV	50.2	0	0	0	9.3E1	1.35	25990	11529	Sisma Y SLV	0	50.2	0	0	9.3E1	1.35
25991	11529	Sisma X SLO	26.8	0	0	0	9.3E1	1.35	25992	11529	Sisma Y SLO	0	26.8	0	0	9.3E1	1.35
25993	11529	Sisma X SLD	22.2	0	0	0	9.3E1	1.35	25994	11529	Sisma Y SLD	0	22.2	0	0	9.3E1	1.35
25995	11530	Sisma X SLV	49.2	0	0	0	9.1E1	1.35	25996	11530	Sisma Y SLV	0	49.2	0	0	9.1E1	1.35
25997	11530	Sisma X SLO	26.2	0	0	0	9.1E1	1.35	25998	11530	Sisma Y SLO	0	26.2	0	0	9.1E1	1.35
25999	11530	Sisma X SLD	21.8	0	0	0	9.1E1	1.35	26000	11530	Sisma Y SLD	0	21.8	0	0	9.1E1	1.35
26001	11531	Sisma X SLV	36.3	0	0	0	6.7E1	1.351	26002	11531	Sisma Y SLV	0	36.3	0	0	6.7E1	1.351
26003	11531	Sisma X SLO	19.3	0	0	0	6.7E1	1.351	26004	11531	Sisma Y SLO	0	19.3	0	0	6.7E1	1.351
26005	11531	Sisma X SLD	16	0	0	0	6.7E1	1.351	26006	11531	Sisma Y SLD	0	16	0	0	6.7E1	1.351
26007	11532	Sisma X SLV	27.5	0	0	0	5.1E1	1.351	26008	11532	Sisma Y SLV	0	27.5	0	0	5.1E1	1.351
26009	11532	Sisma X SLO	14.7	0	0	0	5.1E1	1.351	26010	11532	Sisma Y SLO	0	14.7	0	0	5.1E1	1.351
26011	11532	Sisma X SLD	12.2	0	0	0	5.1E1	1.351	26012	11532	Sisma Y SLD	0	12.2	0	0	5.1E1	1.351
26013	11533	Sisma X SLV	52.8	0	0	0	97.86	1.351	26014	11533	Sisma Y SLV	0	52.8	0	0	97.86	1.351
26015	11533	Sisma X SLO	28.2	0	0	0	97.86	1.351	26016	11533	Sisma Y SLO	0	28.2	0	0	97.86	1.351
26017	11533	Sisma X SLD	23.4	0	0	0	97.86	1.351	26018	11533	Sisma Y SLD	0	23.4	0	0	97.86	1.351
26019	11534	Sisma X SLV	49.2	0	0	0	9.1E1	1.351	26020	11534	Sisma Y SLV	0	49.2	0	0	9.1E1	1.351
26021	11534	Sisma X SLO	26.2	0	0	0	9.1E1	1.351	26022	11534	Sisma Y SLO	0	26.2	0	0	9.1E1	1.351
26023	11534	Sisma X SLD	21.8	0	0	0	9.1E1	1.351	26024	11534	Sisma Y SLD	0	21.8	0	0	9.1E1	1.351
26025	11535	Sisma X SLV	47.2	0	0	0	8.7E1	1.351	26026	11535	Sisma Y SLV	0	47.2	0	0	8.7E1	1.351
26027	11535	Sisma X SLO	25.2	0	0	0	8.7E1	1.351	26028	11535	Sisma Y SLO	0	25.2	0	0	8.7E1	1.351
26029	11535	Sisma X SLD	20.9	0	0	0	8.7E1	1.351	26030	11535	Sisma Y SLD	0	20.9	0	0	8.7E1	1.351
26031	11536	Sisma X SLV	43.1	0	0	0	8.0E1	1.351	26032	11536	Sisma Y SLV	0	43.1	0	0	8.0E1	1.351
26033	11536	Sisma X SLO	23	0	0	0	8.0E1	1.351	26034	11536	Sisma Y SLO	0	23	0	0	8.0E1	1.351
26035	11536	Sisma X SLD	19.1	0	0	0	8.0E1	1.351	26036	11536	Sisma Y SLD	0	19.1	0	0	8.0E1	1.351
26037	11537	Sisma X SLV	31.5	0	0	0	5.8E1	1.351	26038	11537	Sisma Y SLV	0	31.5	0	0	5.8E1	1.351
26039	11537	Sisma X SLO	16.8	0	0	0	5.8E1	1.351	26040	11537	Sisma Y SLO	0	16.8	0	0	5.8E1	1.351
26041	11537	Sisma X SLD	13.9	0	0	0	5.8E1	1.351	26042	11537	Sisma Y SLD	0	13.9	0	0	5.8E1	1.351
26043	11538	Sisma X SLV	43.7	0	0	0	80.99	1.351	26044	11538	Sisma Y SLV	0	43.7	0	0	80.99	1.351
26045	11538	Sisma X SLO	23.3	0	0	0	80.99	1.351	26046	11538	Sisma Y SLO	0	23.3	0	0	80.99	1.351
26047	11538	Sisma X SLD	19.4	0	0	0	80.99	1.351	26048	11538	Sisma Y SLD	0	19.4	0	0	80.99	1.351
26049	11539	Sisma X SLV	42.8	0	0	0	7.9E1	1.351	26050	11539	Sisma Y SLV	0	42.8	0	0	7.9E1	1.351
26051	11539	Sisma X SLO	22.8	0	0	0	7.9E1	1.351	26052	11539	Sisma Y SLO	0	22.8	0	0	7.9E1	1.351
26053	11539	Sisma X SLD	18.9	0	0	0	7.9E1	1.351	26054	11539	Sisma Y SLD	0	18.9	0	0	7.9E1	1.351
26055	11540	Sisma X SLV	49.8	0	0	0	9.2E1	1.351	26056	11540	Sisma Y SLV	0	49.8	0	0	9.2E1	1.351
26057	11540	Sisma X SLO	26.5	0	0	0	9.2E1	1.351	26058	11540	Sisma Y SLO	0	26.5	0	0	9.2E1	1.351
26059	11540	Sisma X SLD	22	0	0	0	9.2E1	1.351	26060	11540	Sisma Y SLD	0	22	0	0	9.2E1	1.351
26061	11541	Sisma X SLV	50.4	0	0	0	93.36	1.351	26062	11541	Sisma Y SLV	0	50.4	0	0	93.36	1.351
26063	11541	Sisma X SLO	26.9	0	0	0	93.36	1.351	26064	11541	Sisma Y SLO	0	26.9	0	0	93.36	1.351
26065	11541	Sisma X SLD	22.3	0	0	0	93.36	1.351	26066	11541	Sisma Y SLD	0	22.3	0	0	93.36	1.351
26067	11542	Sisma X SLV	52.5	0	0	0	9.7E1	1.351	26068	11542	Sisma Y SLV	0	52.5	0	0	9.7E1	1.351
26069	11542	Sisma X SLO	28	0	0	0	9.7E1	1.351	26070	11542	Sisma Y SLO	0	28	0	0	9.7E1	1.351
26071	11542	Sisma X SLD	23.2	0	0	0	9.7E1	1.351	26072	11542	Sisma Y SLD	0	23.2	0	0	9.7E1	1.351
26073	11543	Sisma X SLV	45.2	0	0	0	8.4E1	1.352	26074	11543	Sisma Y SLV	0	45.2	0	0	8.4E1	1.352
26075	11543	Sisma X SLO	24.1	0	0	0	8.4E1	1.352	26076	11543	Sisma Y SLO	0	24.1	0	0	8.4E1	1.352
26077	11543	Sisma X SLD	20	0	0	0	8.4E1	1.352	26078	11543	Sisma Y SLD	0	20	0	0	8.4E1	1.352
26079	11544	Sisma X SLV	39.1	0	0	0	72.39	1.352	26080	11544	Sisma Y SLV	0	39.1	0	0	72.39	1.352
26081	11544	Sisma X SLO	20.8	0	0	0	72.39	1.352	26082	11544	Sisma Y SLO	0	20.8	0	0	72.39	1.352
26083	11544	Sisma X SLD	17.3	0	0	0	72.39	1.352	26084	11544	Sisma Y SLD	0	17.3	0	0	72.39	1.352
26085	11545	Sisma X SLV	45.4	0	0	0	8.4E1	1.352	26086	11545	Sisma Y SLV	0	45.4	0	0	8.4E1	1.352
26087	11545	Sisma X SLO	24.2	0	0	0	8.4E1	1.352	26088	11545	Sisma Y SLO	0	24.2	0	0	8.4E1	1.352
26089	11545	Sisma X SLD	20.1	0	0	0	8.4E1	1.352	26090	11545	Sisma Y SLD	0	20.1	0	0	8.4E1	1.352
26091	11546	Sisma X SLV	50.2	0	0	0	9.3E1	1.352	26092	11546	Sisma Y SLV	0	50.2	0	0	9.3E1	1.352
26093	11546	Sisma X SLO	26.8	0	0	0	9.3E1	1.352	26094	11546	Sisma Y SLO	0	26.8	0	0	9.3E1	1.352
26095	11546	Sisma X SLD	22.2	0	0	0	9.3E1	1.352	26096	11546	Sisma Y SLD	0	22.2	0	0	9.3E1	1.352
26097	11547	Sisma X SLV	73.6	0	0	0	1.4E2	1.352	26098	11547	Sisma Y SLV	0	73.6	0	0	1.4E2	1.352
26099	11547	Sisma X SLO	39.2	0	0	0	1.4E2	1.352	26100	11547	Sisma Y SLO	0	39.2	0	0	1.4E2	1.352
26101	11547	Sisma X SLD	32.6	0	0	0	1.4E2	1.352	26102	11547	Sisma Y SLD	0	32.6	0	0	1.4E2	1.352
26103	11548	Sisma X SLV	41	0	0	0	75.96	1.352	26104	11548	Sisma Y SLV	0	41	0	0	75.96	1.352
26105	11548	Sisma X SLO	21.9	0	0	0	75.96	1.352	26106	11548	Sisma Y SLO	0	21.9	0	0	75.96	1.352
26107	11548	Sisma X SLD	18.2	0	0	0	75.96	1.352	26108	11548	Sisma Y SLD	0	18.2	0	0	75.96	1.352
26109	11549	Sisma X SLV	52	0	0	0	9.6E1	1.352	26110	11549	Sisma Y SLV	0	52	0	0	9.6E1	1.352
26111	11549	Sisma X SLO	27.7	0	0	0	9.6E1	1.352	26112	11549	Sisma Y SLO	0	27.7	0	0	9.6E1	1.352

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
26113	11549	Sisma X SLD	23	0	0	0	9.6E1	1.352	26114	11549	Sisma Y SLD	0	23	0	0	9.6E1	1.352
26115	11550	Sisma X SLV	51.4	0	0	0	9.5E1	1.353	26116	11550	Sisma Y SLV	0	51.4	0	0	9.5E1	1.353
26117	11550	Sisma X SLO	27.4	0	0	0	9.5E1	1.353	26118	11550	Sisma Y SLO	0	27.4	0	0	9.5E1	1.353
26119	11550	Sisma X SLD	22.7	0	0	0	9.5E1	1.353	26120	11550	Sisma Y SLD	0	22.7	0	0	9.5E1	1.353
26121	11551	Sisma X SLV	40.9	0	0	0	7.6E1	1.353	26122	11551	Sisma Y SLV	0	40.9	0	0	7.6E1	1.353
26123	11551	Sisma X SLO	21.8	0	0	0	7.6E1	1.353	26124	11551	Sisma Y SLO	0	21.8	0	0	7.6E1	1.353
26125	11551	Sisma X SLD	18.1	0	0	0	7.6E1	1.353	26126	11551	Sisma Y SLD	0	18.1	0	0	7.6E1	1.353
26127	11552	Sisma X SLV	44.4	0	0	0	82.04	1.353	26128	11552	Sisma Y SLV	0	44.4	0	0	82.04	1.353
26129	11552	Sisma X SLO	23.7	0	0	0	82.04	1.353	26130	11552	Sisma Y SLO	0	23.7	0	0	82.04	1.353
26131	11552	Sisma X SLD	19.6	0	0	0	82.04	1.353	26132	11552	Sisma Y SLD	0	19.6	0	0	82.04	1.353
26133	11553	Sisma X SLV	47.5	0	0	0	8.8E1	1.354	26134	11553	Sisma Y SLV	0	47.5	0	0	8.8E1	1.354
26135	11553	Sisma X SLO	25.3	0	0	0	8.8E1	1.354	26136	11553	Sisma Y SLO	0	25.3	0	0	8.8E1	1.354
26137	11553	Sisma X SLD	21	0	0	0	8.8E1	1.354	26138	11553	Sisma Y SLD	0	21	0	0	8.8E1	1.354
26139	11554	Sisma X SLV	28.3	0	0	0	5.2E1	1.355	26140	11554	Sisma Y SLV	0	28.3	0	0	5.2E1	1.355
26141	11554	Sisma X SLO	15.1	0	0	0	5.2E1	1.355	26142	11554	Sisma Y SLO	0	15.1	0	0	5.2E1	1.355
26143	11554	Sisma X SLD	12.5	0	0	0	5.2E1	1.355	26144	11554	Sisma Y SLD	0	12.5	0	0	5.2E1	1.355
26145	11555	Sisma X SLV	50.5	0	0	0	9.3E1	1.355	26146	11555	Sisma Y SLV	0	50.5	0	0	9.3E1	1.355
26147	11555	Sisma X SLO	26.9	0	0	0	9.3E1	1.355	26148	11555	Sisma Y SLO	0	26.9	0	0	9.3E1	1.355
26149	11555	Sisma X SLD	22.3	0	0	0	9.3E1	1.355	26150	11555	Sisma Y SLD	0	22.3	0	0	9.3E1	1.355
26151	11556	Sisma X SLV	40.9	0	0	0	7.5E1	1.355	26152	11556	Sisma Y SLV	0	40.9	0	0	7.5E1	1.355
26153	11556	Sisma X SLO	21.8	0	0	0	7.5E1	1.355	26154	11556	Sisma Y SLO	0	21.8	0	0	7.5E1	1.355
26155	11556	Sisma X SLD	18.1	0	0	0	7.5E1	1.355	26156	11556	Sisma Y SLD	0	18.1	0	0	7.5E1	1.355
26157	11557	Sisma X SLV	54.6	0	0	0	1.0E2	1.355	26158	11557	Sisma Y SLV	0	54.6	0	0	1.0E2	1.355
26159	11557	Sisma X SLO	29.1	0	0	0	1.0E2	1.355	26160	11557	Sisma Y SLO	0	29.1	0	0	1.0E2	1.355
26161	11557	Sisma X SLD	24.2	0	0	0	1.0E2	1.355	26162	11557	Sisma Y SLD	0	24.2	0	0	1.0E2	1.355
26163	11558	Sisma X SLV	25.2	0	0	0	4.6E1	1.355	26164	11558	Sisma Y SLV	0	25.2	0	0	4.6E1	1.355
26165	11558	Sisma X SLO	13.4	0	0	0	4.6E1	1.355	26166	11558	Sisma Y SLO	0	13.4	0	0	4.6E1	1.355
26167	11558	Sisma X SLD	11.1	0	0	0	4.6E1	1.355	26168	11558	Sisma Y SLD	0	11.1	0	0	4.6E1	1.355
26169	11559	Sisma X SLV	46.6	0	0	0	8.6E1	1.356	26170	11559	Sisma Y SLV	0	46.6	0	0	8.6E1	1.356
26171	11559	Sisma X SLO	24.9	0	0	0	8.6E1	1.356	26172	11559	Sisma Y SLO	0	24.9	0	0	8.6E1	1.356
26173	11559	Sisma X SLD	20.6	0	0	0	8.6E1	1.356	26174	11559	Sisma Y SLD	0	20.6	0	0	8.6E1	1.356
26175	11560	Sisma X SLV	42.1	0	0	0	7.8E1	1.357	26176	11560	Sisma Y SLV	0	42.1	0	0	7.8E1	1.357
26177	11560	Sisma X SLO	22.5	0	0	0	7.8E1	1.357	26178	11560	Sisma Y SLO	0	22.5	0	0	7.8E1	1.357
26179	11560	Sisma X SLD	18.6	0	0	0	7.8E1	1.357	26180	11560	Sisma Y SLD	0	18.6	0	0	7.8E1	1.357
26181	11561	Sisma X SLV	39.1	0	0	0	7.2E1	1.357	26182	11561	Sisma Y SLV	0	39.1	0	0	7.2E1	1.357
26183	11561	Sisma X SLO	20.9	0	0	0	7.2E1	1.357	26184	11561	Sisma Y SLO	0	20.9	0	0	7.2E1	1.357
26185	11561	Sisma X SLD	17.3	0	0	0	7.2E1	1.357	26186	11561	Sisma Y SLD	0	17.3	0	0	7.2E1	1.357
26187	11562	Sisma X SLV	48.1	0	0	0	8.9E1	1.358	26188	11562	Sisma Y SLV	0	48.1	0	0	8.9E1	1.358
26189	11562	Sisma X SLO	25.6	0	0	0	8.9E1	1.358	26190	11562	Sisma Y SLO	0	25.6	0	0	8.9E1	1.358
26191	11562	Sisma X SLD	21.3	0	0	0	8.9E1	1.358	26192	11562	Sisma Y SLD	0	21.3	0	0	8.9E1	1.358
26193	11563	Sisma X SLV	54.1	0	0	0	1.0E2	1.358	26194	11563	Sisma Y SLV	0	54.1	0	0	1.0E2	1.358
26195	11563	Sisma X SLO	28.8	0	0	0	1.0E2	1.358	26196	11563	Sisma Y SLO	0	28.8	0	0	1.0E2	1.358
26197	11563	Sisma X SLD	23.9	0	0	0	1.0E2	1.358	26198	11563	Sisma Y SLD	0	23.9	0	0	1.0E2	1.358
26199	11564	Sisma X SLV	61.3	0	0	0	1.1E2	1.359	26200	11564	Sisma Y SLV	0	61.3	0	0	1.1E2	1.359
26201	11564	Sisma X SLO	32.7	0	0	0	1.1E2	1.359	26202	11564	Sisma Y SLO	0	32.7	0	0	1.1E2	1.359
26203	11564	Sisma X SLD	27.1	0	0	0	1.1E2	1.359	26204	11564	Sisma Y SLD	0	27.1	0	0	1.1E2	1.359
26205	11565	Sisma X SLV	59.5	0	0	0	1.1E2	1.359	26206	11565	Sisma Y SLV	0	59.5	0	0	1.1E2	1.359
26207	11565	Sisma X SLO	31.7	0	0	0	1.1E2	1.359	26208	11565	Sisma Y SLO	0	31.7	0	0	1.1E2	1.359
26209	11565	Sisma X SLD	26.3	0	0	0	1.1E2	1.359	26210	11565	Sisma Y SLD	0	26.3	0	0	1.1E2	1.359
26211	11566	Sisma X SLV	61.4	0	0	0	1.1E2	1.36	26212	11566	Sisma Y SLV	0	61.4	0	0	1.1E2	1.36
26213	11566	Sisma X SLO	32.8	0	0	0	1.1E2	1.36	26214	11566	Sisma Y SLO	0	32.8	0	0	1.1E2	1.36
26215	11566	Sisma X SLD	27.2	0	0	0	1.1E2	1.36	26216	11566	Sisma Y SLD	0	27.2	0	0	1.1E2	1.36
26217	11567	Sisma X SLV	64.8	0	0	0	1.2E2	1.361	26218	11567	Sisma Y SLV	0	64.8	0	0	1.2E2	1.361
26219	11567	Sisma X SLO	34.5	0	0	0	1.2E2	1.361	26220	11567	Sisma Y SLO	0	34.5	0	0	1.2E2	1.361
26221	11567	Sisma X SLD	28.7	0	0	0	1.2E2	1.361	26222	11567	Sisma Y SLD	0	28.7	0	0	1.2E2	1.361
26223	11568	Sisma X SLV	57.3	0	0	0	1.1E2	1.361	26224	11568	Sisma Y SLV	0	57.3	0	0	1.1E2	1.361
26225	11568	Sisma X SLO	30.6	0	0	0	1.1E2	1.361	26226	11568	Sisma Y SLO	0	30.6	0	0	1.1E2	1.361
26227	11568	Sisma X SLD	25.4	0	0	0	1.1E2	1.361	26228	11568	Sisma Y SLD	0	25.4	0	0	1.1E2	1.361
26229	11569	Sisma X SLV	69.8	0	0	0	1.3E2	1.361	26230	11569	Sisma Y SLV	0	69.8	0	0	1.3E2	1.361
26231	11569	Sisma X SLO	37.2	0	0	0	1.3E2	1.361	26232	11569	Sisma Y SLO	0	37.2	0	0	1.3E2	1.361
26233	11569	Sisma X SLD	30.9	0	0	0	1.3E2	1.361	26234	11569	Sisma Y SLD	0	30.9	0	0	1.3E2	1.361
26235	11570	Sisma X SLV	72.1	0	0	0	1.3E2	1.362	26236	11570	Sisma Y SLV	0	72.1	0	0	1.3E2	1.362
26237	11570	Sisma X SLO	38.4	0	0	0	1.3E2	1.362	26238	11570	Sisma Y SLO	0	38.4	0	0	1.3E2	1.362
26239	11570	Sisma X SLD	31.9	0	0	0	1.3E2	1.362	26240	11570	Sisma Y SLD	0	31.9	0	0	1.3E2	1.362
26241	11571	Sisma X SLV	64.4	0	0	0	1.2E2	1.363	26242	11571	Sisma Y SLV	0	64.4	0	0	1.2E2	1.363
26243	11571	Sisma X SLO	34.3	0	0	0	1.2E2	1.363	26244	11571	Sisma Y SLO	0	34.3	0	0	1.2E2	1.363
26245	11571	Sisma X SLD	28.5	0	0	0	1.2E2	1.363	26246	11571	Sisma Y SLD	0	28.5	0	0	1.2E2	1.363
26247	11572	Sisma X SLV	66.2	0	0	0	1.2E2	1.363	26248	11572	Sisma Y SLV	0	66.2	0	0	1.2E2	1.363
26249	11572	Sisma X SLO	35.3	0	0	0	1.2E2	1.363	26250	11572	Sisma Y SLO	0	35.3	0	0	1.2E2	1.363
26251	11572	Sisma X SLD	29.3	0	0	0	1.2E2	1.363	26252	11572	Sisma Y SLD	0	29.3	0	0	1.2E2	1.363
26253	11573	Sisma X SLV	71.3	0	0	0	1.3E2	1.364	26254	11573	Sisma Y SLV	0	71.3	0	0	1.3E2	1.364
26255	11573	Sisma X SLO	38	0	0	0	1.3E2	1.364	26256	11573	Sisma Y SLO	0	38	0	0	1.3E2	1.364
26257	11573	Sisma X SLD	31.6	0	0	0	1.3E2	1.364	26258	11573	Sisma Y SLD	0	31.6	0	0	1.3E2	1.364
26259	11574	Sisma X SLV	71.4	0	0	0	1.3E2	1.364	26260	11574	Sisma Y SLV	0	71.4	0	0	1.3E2	1.364
26261	11574	Sisma X SLO	38.1	0	0	0	1.3E2	1.364	26262	11574	Sisma Y SLO	0	38.1	0	0	1.3E2	1.364
26263	11574	Sisma X SLD	31.6	0	0	0	1.3E2	1.364	26264	11574	Sisma Y SLD	0	31.6	0	0	1.3E2	1.364
26265	11575	Sisma X SLV	55.8	0	0	0	1.0E2	1.366	26266	11575	Sisma Y SLV	0	55.8	0	0	1.0E2	1.366
26267	11575	Sisma X SLO	29.7	0	0	0	1.0E2	1.366	26268	11575	Sisma Y SLO	0	29.7	0	0	1.0E2	1.366
26269	11575	Sisma X SLD	24.7	0	0	0	1.0E2	1.366	26270	11575	Sisma Y SLD	0	24.7	0	0	1.0E2	1.366
26271	11576	Sisma X SLV	54	0	0	0	9.9E1	1.366	26272	11576	Sisma Y SLV	0	54	0	0	9.9E1	1.366
26273	11576	Sisma X SLO	28.8	0	0	0	9.9E1	1.366	26274	11576	Sisma Y SLO	0	28.8	0	0	9.9E1	1.366
26275	11576	Sisma X SLD	23.9	0	0	0	9.9E1	1.366	26276	11576	Sisma Y SLD	0	23.9	0	0	9.9E1	1.366
26277	11577	Sisma X SLV	63.6	0	0	0	1.2E2	1.367	26278	11577	Sisma Y SLV	0	63.6	0	0	1.2E2	1.367
26279	11577	Sisma X SLO	33.9	0	0	0	1.2E2	1.367	26280	11577	Sisma Y SLO	0	33.9	0	0	1.2E2	1.367
26281	11577	Sisma X SLD	28.1	0	0	0	1.2E2	1.367	26282	11577	Sisma Y SLD	0	28.1	0	0	1.2E2	1.367
26283	11578	Sisma X SLV	66.5	0	0	0	1.2E2	1.368	26284	11578	Sisma Y SLV	0	66.5	0	0	1.2E2	1.368
26285	11578	Sisma X SLO	35.5	0	0	0	1.2E2	1.368	26286	11578	Sisma Y SLO	0	35.5	0	0	1.2E2	1.368
26287	11578	Sisma X SLD	29.4	0	0	0	1.2E2	1.368	26288	11578	Sisma Y SLD	0	29.4	0	0	1.2E2	1.368
26289	11579	Sisma X SLV	67.3	0	0	0	1.2E2	1.368	26290	11579	Sisma Y SLV	0	67.3	0	0	1.2E2	1.368
26291	11579	Sisma X SLO	35.9	0	0	0	1.2E2	1.368	26292	11579	Sisma Y SLO	0	35.9	0	0	1.2E2	1.368
26293	11579	Sisma X SLD	29.8	0	0	0	1.2E2	1.368	26294	11579	Sisma Y SLD	0	29.8	0	0	1.2E2	1.368
26295	11580	Sisma X SLV	62.6	0	0	0	1.1E2	1.368	26296	11580	Sisma Y SLV	0	62.6	0	0	1.1E2	1.368
26297	11580	Sisma X SLO	33.4	0	0	0	1.1E2	1.368	26298	11580	Sisma Y SLO	0	33.4	0	0	1.1E2	1.368
26299	11580	Sisma X SLD	27.7	0	0	0	1.1E2	1.368	26300	11580	Sisma Y SLD	0	27.7	0	0	1.1E2	1.368
26301	11581	Sisma X SLV	17.2	0	0	0	3.1E1	1.369	26302	11581	Sisma Y SLV	0	17.2	0	0	3.1E1	1.369
26303	11581	Sisma X SLO	9.2	0	0	0	3.1E1	1.369	26304	11581	Sisma Y SLO	0	9.2	0	0	3.1E1	1.369
26305	11581	Sisma X SLD	7.6	0	0	0	3.1E1	1.369	26306	11581	Sisma Y SLD	0	7.6	0	0	3.1E1	1.369
26307	11582	Sisma X SLV	16.7	0	0	0	3.0E1	1.372	26308	11582	Sisma Y SLV	0	16.7	0	0	3.0E1	1.372
26309	11582	Sisma X SLO	8.9	0	0	0	3.0E1	1.372	26310	11582	Sisma Y SLO	0	8.9	0	0	3.0E1	1.372
26311	11582	Sisma X SLD	7.4	0	0	0	3.0E1	1.372	26312	11582	Sisma Y SLD	0	7.4	0	0	3.0E1	1.372

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
26313	11583	Sisma X SLV	102.1	0	0	0	1.9E2	1.372	26314	11583	Sisma Y SLV	0	102.1	0	0	1.9E2	1.372
26315	11583	Sisma X SLO	54.4	0	0	0	1.9E2	1.372	26316	11583	Sisma Y SLO	0	54.4	0	0	1.9E2	1.372
26317	11583	Sisma X SLD	45.2	0	0	0	1.9E2	1.372	26318	11583	Sisma Y SLD	0	45.2	0	0	1.9E2	1.372
26319	11584	Sisma X SLV	68.6	0	0	0	1.3E2	1.372	26320	11584	Sisma Y SLV	0	68.6	0	0	1.3E2	1.372
26321	11584	Sisma X SLO	36.6	0	0	0	1.3E2	1.372	26322	11584	Sisma Y SLO	0	36.6	0	0	1.3E2	1.372
26323	11584	Sisma X SLD	30.4	0	0	0	1.3E2	1.372	26324	11584	Sisma Y SLD	0	30.4	0	0	1.3E2	1.372
26325	11585	Sisma X SLV	73.6	0	0	0	1.3E2	1.372	26326	11585	Sisma Y SLV	0	73.6	0	0	1.3E2	1.372
26327	11585	Sisma X SLO	39.2	0	0	0	1.3E2	1.372	26328	11585	Sisma Y SLO	0	39.2	0	0	1.3E2	1.372
26329	11585	Sisma X SLD	32.6	0	0	0	1.3E2	1.372	26330	11585	Sisma Y SLD	0	32.6	0	0	1.3E2	1.372
26331	11586	Sisma X SLV	43.6	0	0	0	8.0E1	1.372	26332	11586	Sisma Y SLV	0	43.6	0	0	8.0E1	1.372
26333	11586	Sisma X SLO	23.3	0	0	0	8.0E1	1.372	26334	11586	Sisma Y SLO	0	23.3	0	0	8.0E1	1.372
26335	11586	Sisma X SLD	19.3	0	0	0	8.0E1	1.372	26336	11586	Sisma Y SLD	0	19.3	0	0	8.0E1	1.372
26337	11587	Sisma X SLV	86.3	0	0	0	1.6E2	1.373	26338	11587	Sisma Y SLV	0	86.3	0	0	1.6E2	1.373
26339	11587	Sisma X SLO	46	0	0	0	1.6E2	1.373	26340	11587	Sisma Y SLO	0	46	0	0	1.6E2	1.373
26341	11587	Sisma X SLD	38.2	0	0	0	1.6E2	1.373	26342	11587	Sisma Y SLD	0	38.2	0	0	1.6E2	1.373
26343	11588	Sisma X SLV	14.6	0	0	0	2.7E1	1.373	26344	11588	Sisma Y SLV	0	14.6	0	0	2.7E1	1.373
26345	11588	Sisma X SLO	7.8	0	0	0	2.7E1	1.373	26346	11588	Sisma Y SLO	0	7.8	0	0	2.7E1	1.373
26347	11588	Sisma X SLD	6.5	0	0	0	2.7E1	1.373	26348	11588	Sisma Y SLD	0	6.5	0	0	2.7E1	1.373
26349	11589	Sisma X SLV	86.4	0	0	0	1.6E2	1.373	26350	11589	Sisma Y SLV	0	86.4	0	0	1.6E2	1.373
26351	11589	Sisma X SLO	46.1	0	0	0	1.6E2	1.373	26352	11589	Sisma Y SLO	0	46.1	0	0	1.6E2	1.373
26353	11589	Sisma X SLD	38.2	0	0	0	1.6E2	1.373	26354	11589	Sisma Y SLD	0	38.2	0	0	1.6E2	1.373
26355	11590	Sisma X SLV	86.5	0	0	0	1.6E2	1.373	26356	11590	Sisma Y SLV	0	86.5	0	0	1.6E2	1.373
26357	11590	Sisma X SLO	46.1	0	0	0	1.6E2	1.373	26358	11590	Sisma Y SLO	0	46.1	0	0	1.6E2	1.373
26359	11590	Sisma X SLD	38.3	0	0	0	1.6E2	1.373	26360	11590	Sisma Y SLD	0	38.3	0	0	1.6E2	1.373
26361	11591	Sisma X SLV	83.1	0	0	0	1.5E2	1.373	26362	11591	Sisma Y SLV	0	83.1	0	0	1.5E2	1.373
26363	11591	Sisma X SLO	44.3	0	0	0	1.5E2	1.373	26364	11591	Sisma Y SLO	0	44.3	0	0	1.5E2	1.373
26365	11591	Sisma X SLD	36.8	0	0	0	1.5E2	1.373	26366	11591	Sisma Y SLD	0	36.8	0	0	1.5E2	1.373
26367	11592	Sisma X SLV	120.8	0	0	0	2.2E2	1.373	26368	11592	Sisma Y SLV	0	120.8	0	0	2.2E2	1.373
26369	11592	Sisma X SLO	64.4	0	0	0	2.2E2	1.373	26370	11592	Sisma Y SLO	0	64.4	0	0	2.2E2	1.373
26371	11592	Sisma X SLD	53.5	0	0	0	2.2E2	1.373	26372	11592	Sisma Y SLD	0	53.5	0	0	2.2E2	1.373
26373	11593	Sisma X SLV	86.8	0	0	0	1.6E2	1.373	26374	11593	Sisma Y SLV	0	86.8	0	0	1.6E2	1.373
26375	11593	Sisma X SLO	46.3	0	0	0	1.6E2	1.373	26376	11593	Sisma Y SLO	0	46.3	0	0	1.6E2	1.373
26377	11593	Sisma X SLD	38.4	0	0	0	1.6E2	1.373	26378	11593	Sisma Y SLD	0	38.4	0	0	1.6E2	1.373
26379	11594	Sisma X SLV	87.2	0	0	0	1.6E2	1.374	26380	11594	Sisma Y SLV	0	87.2	0	0	1.6E2	1.374
26381	11594	Sisma X SLO	46.5	0	0	0	1.6E2	1.374	26382	11594	Sisma Y SLO	0	46.5	0	0	1.6E2	1.374
26383	11594	Sisma X SLD	38.6	0	0	0	1.6E2	1.374	26384	11594	Sisma Y SLD	0	38.6	0	0	1.6E2	1.374
26385	11595	Sisma X SLV	87.9	0	0	0	1.6E2	1.374	26386	11595	Sisma Y SLV	0	87.9	0	0	1.6E2	1.374
26387	11595	Sisma X SLO	46.9	0	0	0	1.6E2	1.374	26388	11595	Sisma Y SLO	0	46.9	0	0	1.6E2	1.374
26389	11595	Sisma X SLD	38.9	0	0	0	1.6E2	1.374	26390	11595	Sisma Y SLD	0	38.9	0	0	1.6E2	1.374
26391	11596	Sisma X SLV	88.9	0	0	0	1.6E2	1.374	26392	11596	Sisma Y SLV	0	88.9	0	0	1.6E2	1.374
26393	11596	Sisma X SLO	47.4	0	0	0	1.6E2	1.374	26394	11596	Sisma Y SLO	0	47.4	0	0	1.6E2	1.374
26395	11596	Sisma X SLD	39.3	0	0	0	1.6E2	1.374	26396	11596	Sisma Y SLD	0	39.3	0	0	1.6E2	1.374
26397	11597	Sisma X SLV	120.7	0	0	0	2.2E2	1.374	26398	11597	Sisma Y SLV	0	120.7	0	0	2.2E2	1.374
26399	11597	Sisma X SLO	64.3	0	0	0	2.2E2	1.374	26400	11597	Sisma Y SLO	0	64.3	0	0	2.2E2	1.374
26401	11597	Sisma X SLD	53.4	0	0	0	2.2E2	1.374	26402	11597	Sisma Y SLD	0	53.4	0	0	2.2E2	1.374
26403	11598	Sisma X SLV	82.8	0	0	0	1.5E2	1.374	26404	11598	Sisma Y SLV	0	82.8	0	0	1.5E2	1.374
26405	11598	Sisma X SLO	44.1	0	0	0	1.5E2	1.374	26406	11598	Sisma Y SLO	0	44.1	0	0	1.5E2	1.374
26407	11598	Sisma X SLD	36.6	0	0	0	1.5E2	1.374	26408	11598	Sisma Y SLD	0	36.6	0	0	1.5E2	1.374
26409	11599	Sisma X SLV	89.8	0	0	0	1.6E2	1.375	26410	11599	Sisma Y SLV	0	89.8	0	0	1.6E2	1.375
26411	11599	Sisma X SLO	47.9	0	0	0	1.6E2	1.375	26412	11599	Sisma Y SLO	0	47.9	0	0	1.6E2	1.375
26413	11599	Sisma X SLD	39.7	0	0	0	1.6E2	1.375	26414	11599	Sisma Y SLD	0	39.7	0	0	1.6E2	1.375
26415	11600	Sisma X SLV	20.8	0	0	0	3.8E1	1.375	26416	11600	Sisma Y SLV	0	20.8	0	0	3.8E1	1.375
26417	11600	Sisma X SLO	11.1	0	0	0	3.8E1	1.375	26418	11600	Sisma Y SLO	0	11.1	0	0	3.8E1	1.375
26419	11600	Sisma X SLD	9.2	0	0	0	3.8E1	1.375	26420	11600	Sisma Y SLD	0	9.2	0	0	3.8E1	1.375
26421	11601	Sisma X SLV	90.4	0	0	0	1.6E2	1.375	26422	11601	Sisma Y SLV	0	90.4	0	0	1.6E2	1.375
26423	11601	Sisma X SLO	48.2	0	0	0	1.6E2	1.375	26424	11601	Sisma Y SLO	0	48.2	0	0	1.6E2	1.375
26425	11601	Sisma X SLD	40	0	0	0	1.6E2	1.375	26426	11601	Sisma Y SLD	0	40	0	0	1.6E2	1.375
26427	11602	Sisma X SLV	90.3	0	0	0	1.6E2	1.375	26428	11602	Sisma Y SLV	0	90.3	0	0	1.6E2	1.375
26429	11602	Sisma X SLO	48.1	0	0	0	1.6E2	1.375	26430	11602	Sisma Y SLO	0	48.1	0	0	1.6E2	1.375
26431	11602	Sisma X SLD	40	0	0	0	1.6E2	1.375	26432	11602	Sisma Y SLD	0	40	0	0	1.6E2	1.375
26433	11603	Sisma X SLV	91	0	0	0	1.7E2	1.375	26434	11603	Sisma Y SLV	0	91	0	0	1.7E2	1.375
26435	11603	Sisma X SLO	48.5	0	0	0	1.7E2	1.375	26436	11603	Sisma Y SLO	0	48.5	0	0	1.7E2	1.375
26437	11603	Sisma X SLD	40.2	0	0	0	1.7E2	1.375	26438	11603	Sisma Y SLD	0	40.2	0	0	1.7E2	1.375
26439	11604	Sisma X SLV	89.4	0	0	0	1.6E2	1.375	26440	11604	Sisma Y SLV	0	89.4	0	0	1.6E2	1.375
26441	11604	Sisma X SLO	47.6	0	0	0	1.6E2	1.375	26442	11604	Sisma Y SLO	0	47.6	0	0	1.6E2	1.375
26443	11604	Sisma X SLD	39.5	0	0	0	1.6E2	1.375	26444	11604	Sisma Y SLD	0	39.5	0	0	1.6E2	1.375
26445	11605	Sisma X SLV	90.6	0	0	0	1.6E2	1.375	26446	11605	Sisma Y SLV	0	90.6	0	0	1.6E2	1.375
26447	11605	Sisma X SLO	48.3	0	0	0	1.6E2	1.375	26448	11605	Sisma Y SLO	0	48.3	0	0	1.6E2	1.375
26449	11605	Sisma X SLD	40.1	0	0	0	1.6E2	1.375	26450	11605	Sisma Y SLD	0	40.1	0	0	1.6E2	1.375
26451	11606	Sisma X SLV	91.3	0	0	0	1.7E2	1.375	26452	11606	Sisma Y SLV	0	91.3	0	0	1.7E2	1.375
26453	11606	Sisma X SLO	48.7	0	0	0	1.7E2	1.375	26454	11606	Sisma Y SLO	0	48.7	0	0	1.7E2	1.375
26455	11606	Sisma X SLD	40.4	0	0	0	1.7E2	1.375	26456	11606	Sisma Y SLD	0	40.4	0	0	1.7E2	1.375
26457	11607	Sisma X SLV	88.1	0	0	0	1.6E2	1.375	26458	11607	Sisma Y SLV	0	88.1	0	0	1.6E2	1.375
26459	11607	Sisma X SLO	47	0	0	0	1.6E2	1.375	26460	11607	Sisma Y SLO	0	47	0	0	1.6E2	1.375
26461	11607	Sisma X SLD	39	0	0	0	1.6E2	1.375	26462	11607	Sisma Y SLD	0	39	0	0	1.6E2	1.375
26463	11608	Sisma X SLV	90.5	0	0	0	1.6E2	1.375	26464	11608	Sisma Y SLV	0	90.5	0	0	1.6E2	1.375
26465	11608	Sisma X SLO	48.3	0	0	0	1.6E2	1.375	26466	11608	Sisma Y SLO	0	48.3	0	0	1.6E2	1.375
26467	11608	Sisma X SLD	40.1	0	0	0	1.6E2	1.375	26468	11608	Sisma Y SLD	0	40.1	0	0	1.6E2	1.375
26469	11609	Sisma X SLV	120.4	0	0	0	2.2E2	1.376	26470	11609	Sisma Y SLV	0	120.4	0	0	2.2E2	1.376
26471	11609	Sisma X SLO	64.2	0	0	0	2.2E2	1.376	26472	11609	Sisma Y SLO	0	64.2	0	0	2.2E2	1.376
26473	11609	Sisma X SLD	53.3	0	0	0	2.2E2	1.376	26474	11609	Sisma Y SLD	0	53.3	0	0	2.2E2	1.376
26475	11610	Sisma X SLV	90.2	0	0	0	1.6E2	1.376	26476	11610	Sisma Y SLV	0	90.2	0	0	1.6E2	1.376
26477	11610	Sisma X SLO	48.1	0	0	0	1.6E2	1.376	26478	11610	Sisma Y SLO	0	48.1	0	0	1.6E2	1.376
26479	11610	Sisma X SLD	39.9	0	0	0	1.6E2	1.376	26480	11610	Sisma Y SLD	0	39.9	0	0	1.6E2	1.376
26481	11611	Sisma X SLV	91.3	0	0	0	1.7E2	1.376	26482	11611	Sisma Y SLV	0	91.3	0	0	1.7E2	1.376
26483	11611	Sisma X SLO	48.7	0	0	0	1.7E2	1.376	26484	11611	Sisma Y SLO	0	48.7	0	0	1.7E2	1.376
26485	11611	Sisma X SLD	40.4	0	0	0	1.7E2	1.376	26486	11611	Sisma Y SLD	0	40.4	0	0	1.7E2	1.376
26487	11612	Sisma X SLV	19.8	0	0	0	3.6E1	1.376	26488	11612	Sisma Y SLV	0	19.8	0	0	3.6E1	1.376
26489	11612	Sisma X SLO	10.6	0	0	0	3.6E1	1.376	26490	11612	Sisma Y SLO	0	10.6	0	0	3.6E1	1.376
26491	11612	Sisma X SLD	8.8	0	0	0	3.6E1	1.376	26492	11612	Sisma Y SLD	0	8.8	0	0	3.6E1	1.376
26493	11613	Sisma X SLV	89.7	0	0	0	1.6E2	1.376	26494	11613	Sisma Y SLV	0	89.7	0	0	1.6E2	1.376
26495	11613	Sisma X SLO	47.8	0	0	0	1.6E2	1.376	26496	11613	Sisma Y SLO	0	47.8	0	0	1.6E2	1.376
26497	11613	Sisma X SLD	39.7	0	0	0	1.6E2	1.376	26498	11613	Sisma Y SLD	0	39.7	0	0	1.6E2	1.376
26499	11614	Sisma X SLV	86.7	0	0	0	1.6E2	1.376	26500	11614	Sisma Y SLV	0	86.7	0	0	1.6E2	1.376
26501	11614	Sisma X SLO	46.2	0	0	0	1.6E2	1.376	26502	11614	Sisma Y SLO	0	46.2	0	0	1.6E2	1.376
26503	11614	Sisma X SLD	38.4	0	0	0	1.6E2	1.376	26504	11614	Sisma Y SLD	0	38.4	0	0	1.6E2	1.376
26505	11615	Sisma X SLV	82.1	0	0	0	1.5E2	1.376	26506	11615	Sisma Y SLV	0	82.1	0	0	1.5E2	1.376
26507	11615	Sisma X SLO	43.8	0	0	0	1.5E2	1.376	26508	11615	Sisma Y SLO	0	43.8	0	0	1.5E2	1.376
26509	11615	Sisma X SLD	36.3	0	0	0	1.5E2	1.376	26510	11615	Sisma Y SLD	0	36.3	0	0	1.5E2	1.376
26511	11616	Sisma X SLV	56.6	0	0	0	1.0E2	1.376	26512	11616	Sisma Y SLV	0	56.6	0	0	1.0E2	1.376

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
26513	11616	Sisma X SLO	30.2	0	0	0	1.0E2	1.376	26514	11616	Sisma Y SLO	0	30.2	0	0	1.0E2	1.376
26515	11616	Sisma X SLD	25	0	0	0	1.0E2	1.376	26516	11616	Sisma Y SLD	0	25	0	0	1.0E2	1.376
26517	11617	Sisma X SLV	89	0	0	0	1.6E2	1.376	26518	11617	Sisma Y SLV	0	89	0	0	1.6E2	1.376
26519	11617	Sisma X SLO	47.4	0	0	0	1.6E2	1.376	26520	11617	Sisma Y SLO	0	47.4	0	0	1.6E2	1.376
26521	11617	Sisma X SLD	39.4	0	0	0	1.6E2	1.376	26522	11617	Sisma Y SLD	0	39.4	0	0	1.6E2	1.376
26523	11618	Sisma X SLV	22.8	0	0	0	4.1E1	1.377	26524	11618	Sisma Y SLV	0	22.8	0	0	4.1E1	1.377
26525	11618	Sisma X SLO	12.1	0	0	0	4.1E1	1.377	26526	11618	Sisma Y SLO	0	12.1	0	0	4.1E1	1.377
26527	11618	Sisma X SLD	10.1	0	0	0	4.1E1	1.377	26528	11618	Sisma Y SLD	0	10.1	0	0	4.1E1	1.377
26529	11619	Sisma X SLV	21.4	0	0	0	38.85	1.377	26530	11619	Sisma Y SLV	0	21.4	0	0	38.85	1.377
26531	11619	Sisma X SLO	11.4	0	0	0	38.85	1.377	26532	11619	Sisma Y SLO	0	11.4	0	0	38.85	1.377
26533	11619	Sisma X SLD	9.5	0	0	0	38.85	1.377	26534	11619	Sisma Y SLD	0	9.5	0	0	38.85	1.377
26535	11620	Sisma X SLV	90.4	0	0	0	1.6E2	1.377	26536	11620	Sisma Y SLV	0	90.4	0	0	1.6E2	1.377
26537	11620	Sisma X SLO	48.2	0	0	0	1.6E2	1.377	26538	11620	Sisma Y SLO	0	48.2	0	0	1.6E2	1.377
26539	11620	Sisma X SLD	40	0	0	0	1.6E2	1.377	26540	11620	Sisma Y SLD	0	40	0	0	1.6E2	1.377
26541	11621	Sisma X SLV	87.8	0	0	0	1.6E2	1.377	26542	11621	Sisma Y SLV	0	87.8	0	0	1.6E2	1.377
26543	11621	Sisma X SLO	46.8	0	0	0	1.6E2	1.377	26544	11621	Sisma Y SLO	0	46.8	0	0	1.6E2	1.377
26545	11621	Sisma X SLD	38.8	0	0	0	1.6E2	1.377	26546	11621	Sisma Y SLD	0	38.8	0	0	1.6E2	1.377
26547	11622	Sisma X SLV	119.7	0	0	0	2.2E2	1.377	26548	11622	Sisma Y SLV	0	119.7	0	0	2.2E2	1.377
26549	11622	Sisma X SLO	63.8	0	0	0	2.2E2	1.377	26550	11622	Sisma Y SLO	0	63.8	0	0	2.2E2	1.377
26551	11622	Sisma X SLD	53	0	0	0	2.2E2	1.377	26552	11622	Sisma Y SLD	0	53	0	0	2.2E2	1.377
26553	11623	Sisma X SLV	85.3	0	0	0	1.5E2	1.377	26554	11623	Sisma Y SLV	0	85.3	0	0	1.5E2	1.377
26555	11623	Sisma X SLO	45.5	0	0	0	1.5E2	1.377	26556	11623	Sisma Y SLO	0	45.5	0	0	1.5E2	1.377
26557	11623	Sisma X SLD	37.8	0	0	0	1.5E2	1.377	26558	11623	Sisma Y SLD	0	37.8	0	0	1.5E2	1.377
26559	11624	Sisma X SLV	20.2	0	0	0	3.7E1	1.377	26560	11624	Sisma Y SLV	0	20.2	0	0	3.7E1	1.377
26561	11624	Sisma X SLO	10.8	0	0	0	3.7E1	1.377	26562	11624	Sisma Y SLO	0	10.8	0	0	3.7E1	1.377
26563	11624	Sisma X SLD	8.9	0	0	0	3.7E1	1.377	26564	11624	Sisma Y SLD	0	8.9	0	0	3.7E1	1.377
26565	11625	Sisma X SLV	52.9	0	0	0	9.6E1	1.378	26566	11625	Sisma Y SLV	0	52.9	0	0	9.6E1	1.378
26567	11625	Sisma X SLO	28.2	0	0	0	9.6E1	1.378	26568	11625	Sisma Y SLO	0	28.2	0	0	9.6E1	1.378
26569	11625	Sisma X SLD	23.4	0	0	0	9.6E1	1.378	26570	11625	Sisma Y SLD	0	23.4	0	0	9.6E1	1.378
26571	11626	Sisma X SLV	68.1	0	0	0	1.2E2	1.378	26572	11626	Sisma Y SLV	0	68.1	0	0	1.2E2	1.378
26573	11626	Sisma X SLO	36.3	0	0	0	1.2E2	1.378	26574	11626	Sisma Y SLO	0	36.3	0	0	1.2E2	1.378
26575	11626	Sisma X SLD	30.2	0	0	0	1.2E2	1.378	26576	11626	Sisma Y SLD	0	30.2	0	0	1.2E2	1.378
26577	11627	Sisma X SLV	86	0	0	0	1.6E2	1.378	26578	11627	Sisma Y SLV	0	86	0	0	1.6E2	1.378
26579	11627	Sisma X SLO	45.8	0	0	0	1.6E2	1.378	26580	11627	Sisma Y SLO	0	45.8	0	0	1.6E2	1.378
26581	11627	Sisma X SLD	38	0	0	0	1.6E2	1.378	26582	11627	Sisma Y SLD	0	38	0	0	1.6E2	1.378
26583	11628	Sisma X SLV	22.3	0	0	0	40.47	1.378	26584	11628	Sisma Y SLV	0	22.3	0	0	40.47	1.378
26585	11628	Sisma X SLO	11.9	0	0	0	40.47	1.378	26586	11628	Sisma Y SLO	0	11.9	0	0	40.47	1.378
26587	11628	Sisma X SLD	9.9	0	0	0	40.47	1.378	26588	11628	Sisma Y SLD	0	9.9	0	0	40.47	1.378
26589	11629	Sisma X SLV	27.6	0	0	0	50.17	1.378	26590	11629	Sisma Y SLV	0	27.6	0	0	50.17	1.378
26591	11629	Sisma X SLO	14.7	0	0	0	50.17	1.378	26592	11629	Sisma Y SLO	0	14.7	0	0	50.17	1.378
26593	11629	Sisma X SLD	12.2	0	0	0	50.17	1.378	26594	11629	Sisma Y SLD	0	12.2	0	0	50.17	1.378
26595	11630	Sisma X SLV	57.7	0	0	0	1.0E2	1.378	26596	11630	Sisma Y SLV	0	57.7	0	0	1.0E2	1.378
26597	11630	Sisma X SLO	30.8	0	0	0	1.0E2	1.378	26598	11630	Sisma Y SLO	0	30.8	0	0	1.0E2	1.378
26599	11630	Sisma X SLD	25.5	0	0	0	1.0E2	1.378	26600	11630	Sisma Y SLD	0	25.5	0	0	1.0E2	1.378
26601	11631	Sisma X SLV	26.5	0	0	0	4.8E1	1.378	26602	11631	Sisma Y SLV	0	26.5	0	0	4.8E1	1.378
26603	11631	Sisma X SLO	14.1	0	0	0	4.8E1	1.378	26604	11631	Sisma Y SLO	0	14.1	0	0	4.8E1	1.378
26605	11631	Sisma X SLD	11.7	0	0	0	4.8E1	1.378	26606	11631	Sisma Y SLD	0	11.7	0	0	4.8E1	1.378
26607	11632	Sisma X SLV	84.6	0	0	0	1.5E2	1.378	26608	11632	Sisma Y SLV	0	84.6	0	0	1.5E2	1.378
26609	11632	Sisma X SLO	45.1	0	0	0	1.5E2	1.378	26610	11632	Sisma Y SLO	0	45.1	0	0	1.5E2	1.378
26611	11632	Sisma X SLD	37.4	0	0	0	1.5E2	1.378	26612	11632	Sisma Y SLD	0	37.4	0	0	1.5E2	1.378
26613	11633	Sisma X SLV	22.3	0	0	0	4.0E1	1.378	26614	11633	Sisma Y SLV	0	22.3	0	0	4.0E1	1.378
26615	11633	Sisma X SLO	11.9	0	0	0	4.0E1	1.378	26616	11633	Sisma Y SLO	0	11.9	0	0	4.0E1	1.378
26617	11633	Sisma X SLD	9.9	0	0	0	4.0E1	1.378	26618	11633	Sisma Y SLD	0	9.9	0	0	4.0E1	1.378
26619	11634	Sisma X SLV	24.4	0	0	0	4.4E1	1.379	26620	11634	Sisma Y SLV	0	24.4	0	0	4.4E1	1.379
26621	11634	Sisma X SLO	13	0	0	0	4.4E1	1.379	26622	11634	Sisma Y SLO	0	13	0	0	4.4E1	1.379
26623	11634	Sisma X SLD	10.8	0	0	0	4.4E1	1.379	26624	11634	Sisma Y SLD	0	10.8	0	0	4.4E1	1.379
26625	11635	Sisma X SLV	24.3	0	0	0	4.4E1	1.379	26626	11635	Sisma Y SLV	0	24.3	0	0	4.4E1	1.379
26627	11635	Sisma X SLO	13	0	0	0	4.4E1	1.379	26628	11635	Sisma Y SLO	0	13	0	0	4.4E1	1.379
26629	11635	Sisma X SLD	10.8	0	0	0	4.4E1	1.379	26630	11635	Sisma Y SLD	0	10.8	0	0	4.4E1	1.379
26631	11636	Sisma X SLV	27.8	0	0	0	5.0E1	1.379	26632	11636	Sisma Y SLV	0	27.8	0	0	5.0E1	1.379
26633	11636	Sisma X SLO	14.8	0	0	0	5.0E1	1.379	26634	11636	Sisma Y SLO	0	14.8	0	0	5.0E1	1.379
26635	11636	Sisma X SLD	12.3	0	0	0	5.0E1	1.379	26636	11636	Sisma Y SLD	0	12.3	0	0	5.0E1	1.379
26637	11637	Sisma X SLV	83.5	0	0	0	1.5E2	1.379	26638	11637	Sisma Y SLV	0	83.5	0	0	1.5E2	1.379
26639	11637	Sisma X SLO	44.5	0	0	0	1.5E2	1.379	26640	11637	Sisma Y SLO	0	44.5	0	0	1.5E2	1.379
26641	11637	Sisma X SLD	37	0	0	0	1.5E2	1.379	26642	11637	Sisma Y SLD	0	37	0	0	1.5E2	1.379
26643	11638	Sisma X SLV	23.8	0	0	0	4.3E1	1.379	26644	11638	Sisma Y SLV	0	23.8	0	0	4.3E1	1.379
26645	11638	Sisma X SLO	12.7	0	0	0	4.3E1	1.379	26646	11638	Sisma Y SLO	0	12.7	0	0	4.3E1	1.379
26647	11638	Sisma X SLD	10.5	0	0	0	4.3E1	1.379	26648	11638	Sisma Y SLD	0	10.5	0	0	4.3E1	1.379
26649	11639	Sisma X SLV	29	0	0	0	5.3E1	1.379	26650	11639	Sisma Y SLV	0	29	0	0	5.3E1	1.379
26651	11639	Sisma X SLO	15.5	0	0	0	5.3E1	1.379	26652	11639	Sisma Y SLO	0	15.5	0	0	5.3E1	1.379
26653	11639	Sisma X SLD	12.9	0	0	0	5.3E1	1.379	26654	11639	Sisma Y SLD	0	12.9	0	0	5.3E1	1.379
26655	11640	Sisma X SLV	79.2	0	0	0	1.4E2	1.379	26656	11640	Sisma Y SLV	0	79.2	0	0	1.4E2	1.379
26657	11640	Sisma X SLO	42.2	0	0	0	1.4E2	1.379	26658	11640	Sisma Y SLO	0	42.2	0	0	1.4E2	1.379
26659	11640	Sisma X SLD	35	0	0	0	1.4E2	1.379	26660	11640	Sisma Y SLD	0	35	0	0	1.4E2	1.379
26661	11641	Sisma X SLV	21	0	0	0	3.8E1	1.379	26662	11641	Sisma Y SLV	0	21	0	0	3.8E1	1.379
26663	11641	Sisma X SLO	11.2	0	0	0	3.8E1	1.379	26664	11641	Sisma Y SLO	0	11.2	0	0	3.8E1	1.379
26665	11641	Sisma X SLD	9.3	0	0	0	3.8E1	1.379	26666	11641	Sisma Y SLD	0	9.3	0	0	3.8E1	1.379
26667	11642	Sisma X SLV	25	0	0	0	45.42	1.379	26668	11642	Sisma Y SLV	0	25	0	0	45.42	1.379
26669	11642	Sisma X SLO	13.3	0	0	0	45.42	1.379	26670	11642	Sisma Y SLO	0	13.3	0	0	45.42	1.379
26671	11642	Sisma X SLD	11.1	0	0	0	45.42	1.379	26672	11642	Sisma Y SLD	0	11.1	0	0	45.42	1.379
26673	11643	Sisma X SLV	19.8	0	0	0	3.6E1	1.379	26674	11643	Sisma Y SLV	0	19.8	0	0	3.6E1	1.379
26675	11643	Sisma X SLO	10.5	0	0	0	3.6E1	1.379	26676	11643	Sisma Y SLO	0	10.5	0	0	3.6E1	1.379
26677	11643	Sisma X SLD	8.8	0	0	0	3.6E1	1.379	26678	11643	Sisma Y SLD	0	8.8	0	0	3.6E1	1.379
26679	11644	Sisma X SLV	79.4	0	0	0	1.4E2	1.379	26680	11644	Sisma Y SLV	0	79.4	0	0	1.4E2	1.379
26681	11644	Sisma X SLO	42.4	0	0	0	1.4E2	1.379	26682	11644	Sisma Y SLO	0	42.4	0	0	1.4E2	1.379
26683	11644	Sisma X SLD	35.2	0	0	0	1.4E2	1.379	26684	11644	Sisma Y SLD	0	35.2	0	0	1.4E2	1.379
26685	11645	Sisma X SLV	85.8	0	0	0	1.6E2	1.379	26686	11645	Sisma Y SLV	0	85.8	0	0	1.6E2	1.379
26687	11645	Sisma X SLO	45.7	0	0	0	1.6E2	1.379	26688	11645	Sisma Y SLO	0	45.7	0	0	1.6E2	1.379
26689	11645	Sisma X SLD	38	0	0	0	1.6E2	1.379	26690	11645	Sisma Y SLD	0	38	0	0	1.6E2	1.379
26691	11646	Sisma X SLV	80.9	0	0	0	1.5E2	1.379	26692	11646	Sisma Y SLV	0	80.9	0	0	1.5E2	1.379
26693	11646	Sisma X SLO	43.1	0	0	0	1.5E2	1.379	26694	11646	Sisma Y SLO	0	43.1	0	0	1.5E2	1.379
26695	11646	Sisma X SLD	35.8	0	0	0	1.5E2	1.379	26696	11646	Sisma Y SLD	0	35.8	0	0	1.5E2	1.379
26697	11647	Sisma X SLV	45.9	0	0	0	8.3E1	1.379	26698	11647	Sisma Y SLV	0	45.9	0	0	8.3E1	1.379
26699	11647	Sisma X SLO	24.5	0	0	0	8.3E1	1.379	26700	11647	Sisma Y SLO	0	24.5	0	0	8.3E1	1.379
26701	11647	Sisma X SLD	20.3	0	0	0	8.3E1	1.379	26702	11647	Sisma Y SLD	0	20.3	0	0	8.3E1	1.379
26703	11648	Sisma X SLV	89.4	0	0	0	1.6E2	1.379	26704	11648	Sisma Y SLV	0	89.4	0	0	1.6E2	1.379
26705	11648	Sisma X SLO	47.7	0	0	0	1.6E2	1.379	26706	11648	Sisma Y SLO	0	47.7	0	0	1.6E2	1.379
26707	11648	Sisma X SLD	39.6	0	0	0	1.6E2	1.379	26708	11648	Sisma Y SLD	0	39.6	0	0	1.6E2	1.379
26709	11649	Sisma X SLV	20.4	0	0	0	3.7E1	1.379	26710	11649	Sisma Y SLV	0	20.4	0	0	3.7E1	1.379
26711	11649	Sisma X SLO	10.9	0	0	0	3.7E1	1.379	26712	11649	Sisma Y SLO	0	10.9	0	0	3.7E1	1.379

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
26713	11649	Sisma X SLD	9	0	0	0	3.7E1	1.379	26714	11649	Sisma Y SLD	0	9	0	0	3.7E1	1.379
26715	11650	Sisma X SLV	1.9E3	0	0	0	3.4E3	1.38	26716	11650	Sisma Y SLV	0	1.9E3	0	0	3.4E3	1.38
26717	11650	Sisma X SLO	993.9	0	0	0	3.4E3	1.38	26718	11650	Sisma Y SLO	0	993.9	0	0	3.4E3	1.38
26719	11650	Sisma X SLD	825	0	0	0	3.4E3	1.38	26720	11650	Sisma Y SLD	0	825	0	0	3.4E3	1.38
26721	11651	Sisma X SLV	28	0	0	0	5.1E1	1.38	26722	11651	Sisma Y SLV	0	28	0	0	5.1E1	1.38
26723	11651	Sisma X SLO	14.9	0	0	0	5.1E1	1.38	26724	11651	Sisma Y SLO	0	14.9	0	0	5.1E1	1.38
26725	11651	Sisma X SLD	12.4	0	0	0	5.1E1	1.38	26726	11651	Sisma Y SLD	0	12.4	0	0	5.1E1	1.38
26727	11652	Sisma X SLV	27.9	0	0	0	5.1E1	1.38	26728	11652	Sisma Y SLV	0	27.9	0	0	5.1E1	1.38
26729	11652	Sisma X SLO	14.9	0	0	0	5.1E1	1.38	26730	11652	Sisma Y SLO	0	14.9	0	0	5.1E1	1.38
26731	11652	Sisma X SLD	12.3	0	0	0	5.1E1	1.38	26732	11652	Sisma Y SLD	0	12.3	0	0	5.1E1	1.38
26733	11653	Sisma X SLV	3459	0	0	0	6.3E3	1.38	26734	11653	Sisma Y SLV	0	3459	0	0	6.3E3	1.38
26735	11653	Sisma X SLO	1.8E3	0	0	0	6.3E3	1.38	26736	11653	Sisma Y SLO	0	1.8E3	0	0	6.3E3	1.38
26737	11653	Sisma X SLD	1.5E3	0	0	0	6.3E3	1.38	26738	11653	Sisma Y SLD	0	1.5E3	0	0	6.3E3	1.38
26739	11654	Sisma X SLV	21.7	0	0	0	3.9E1	1.38	26740	11654	Sisma Y SLV	0	21.7	0	0	3.9E1	1.38
26741	11654	Sisma X SLO	11.6	0	0	0	3.9E1	1.38	26742	11654	Sisma Y SLO	0	11.6	0	0	3.9E1	1.38
26743	11654	Sisma X SLD	9.6	0	0	0	3.9E1	1.38	26744	11654	Sisma Y SLD	0	9.6	0	0	3.9E1	1.38
26745	11655	Sisma X SLV	84.4	0	0	0	1.5E2	1.38	26746	11655	Sisma Y SLV	0	84.4	0	0	1.5E2	1.38
26747	11655	Sisma X SLO	45	0	0	0	1.5E2	1.38	26748	11655	Sisma Y SLO	0	45	0	0	1.5E2	1.38
26749	11655	Sisma X SLD	37.4	0	0	0	1.5E2	1.38	26750	11655	Sisma Y SLD	0	37.4	0	0	1.5E2	1.38
26751	11656	Sisma X SLV	1.6E3	0	0	0	2.9E3	1.38	26752	11656	Sisma Y SLV	0	1.6E3	0	0	2.9E3	1.38
26753	11656	Sisma X SLO	865.6	0	0	0	2.9E3	1.38	26754	11656	Sisma Y SLO	0	865.6	0	0	2.9E3	1.38
26755	11656	Sisma X SLD	718.5	0	0	0	2.9E3	1.38	26756	11656	Sisma Y SLD	0	718.5	0	0	2.9E3	1.38
26757	11657	Sisma X SLV	27.7	0	0	0	5.0E1	1.38	26758	11657	Sisma Y SLV	0	27.7	0	0	5.0E1	1.38
26759	11657	Sisma X SLO	14.8	0	0	0	5.0E1	1.38	26760	11657	Sisma Y SLO	0	14.8	0	0	5.0E1	1.38
26761	11657	Sisma X SLD	12.3	0	0	0	5.0E1	1.38	26762	11657	Sisma Y SLD	0	12.3	0	0	5.0E1	1.38
26763	11658	Sisma X SLV	26.9	0	0	0	4.9E1	1.38	26764	11658	Sisma Y SLV	0	26.9	0	0	4.9E1	1.38
26765	11658	Sisma X SLO	14.3	0	0	0	4.9E1	1.38	26766	11658	Sisma Y SLO	0	14.3	0	0	4.9E1	1.38
26767	11658	Sisma X SLD	11.9	0	0	0	4.9E1	1.38	26768	11658	Sisma Y SLD	0	11.9	0	0	4.9E1	1.38
26769	11659	Sisma X SLV	25	0	0	0	4.5E1	1.38	26770	11659	Sisma Y SLV	0	25	0	0	4.5E1	1.38
26771	11659	Sisma X SLO	13.3	0	0	0	4.5E1	1.38	26772	11659	Sisma Y SLO	0	13.3	0	0	4.5E1	1.38
26773	11659	Sisma X SLD	11.1	0	0	0	4.5E1	1.38	26774	11659	Sisma Y SLD	0	11.1	0	0	4.5E1	1.38
26775	11660	Sisma X SLV	80.6	0	0	0	1.5E2	1.38	26776	11660	Sisma Y SLV	0	80.6	0	0	1.5E2	1.38
26777	11660	Sisma X SLO	42.9	0	0	0	1.5E2	1.38	26778	11660	Sisma Y SLO	0	42.9	0	0	1.5E2	1.38
26779	11660	Sisma X SLD	35.6	0	0	0	1.5E2	1.38	26780	11660	Sisma Y SLD	0	35.6	0	0	1.5E2	1.38
26781	11661	Sisma X SLV	56.3	0	0	0	1.0E2	1.38	26782	11661	Sisma Y SLV	0	56.3	0	0	1.0E2	1.38
26783	11661	Sisma X SLO	30	0	0	0	1.0E2	1.38	26784	11661	Sisma Y SLO	0	30	0	0	1.0E2	1.38
26785	11661	Sisma X SLD	24.9	0	0	0	1.0E2	1.38	26786	11661	Sisma Y SLD	0	24.9	0	0	1.0E2	1.38
26787	11662	Sisma X SLV	86	0	0	0	1.6E2	1.381	26788	11662	Sisma Y SLV	0	86	0	0	1.6E2	1.381
26789	11662	Sisma X SLO	45.9	0	0	0	1.6E2	1.381	26790	11662	Sisma Y SLO	0	45.9	0	0	1.6E2	1.381
26791	11662	Sisma X SLD	38.1	0	0	0	1.6E2	1.381	26792	11662	Sisma Y SLD	0	38.1	0	0	1.6E2	1.381
26793	11663	Sisma X SLV	72.5	0	0	0	1.3E2	1.381	26794	11663	Sisma Y SLV	0	72.5	0	0	1.3E2	1.381
26795	11663	Sisma X SLO	38.6	0	0	0	1.3E2	1.381	26796	11663	Sisma Y SLO	0	38.6	0	0	1.3E2	1.381
26797	11663	Sisma X SLD	32.1	0	0	0	1.3E2	1.381	26798	11663	Sisma Y SLD	0	32.1	0	0	1.3E2	1.381
26799	11664	Sisma X SLV	22.8	0	0	0	4.1E1	1.381	26800	11664	Sisma Y SLV	0	22.8	0	0	4.1E1	1.381
26801	11664	Sisma X SLO	12.1	0	0	0	4.1E1	1.381	26802	11664	Sisma Y SLO	0	12.1	0	0	4.1E1	1.381
26803	11664	Sisma X SLD	10.1	0	0	0	4.1E1	1.381	26804	11664	Sisma Y SLD	0	10.1	0	0	4.1E1	1.381
26805	11665	Sisma X SLV	27.6	0	0	0	5.0E1	1.381	26806	11665	Sisma Y SLV	0	27.6	0	0	5.0E1	1.381
26807	11665	Sisma X SLO	14.7	0	0	0	5.0E1	1.381	26808	11665	Sisma Y SLO	0	14.7	0	0	5.0E1	1.381
26809	11665	Sisma X SLD	12.2	0	0	0	5.0E1	1.381	26810	11665	Sisma Y SLD	0	12.2	0	0	5.0E1	1.381
26811	11666	Sisma X SLV	342.2	0	0	0	620	1.381	26812	11666	Sisma Y SLV	0	342.2	0	0	620	1.381
26813	11666	Sisma X SLO	182.5	0	0	0	620	1.381	26814	11666	Sisma Y SLO	0	182.5	0	0	620	1.381
26815	11666	Sisma X SLD	151.5	0	0	0	620	1.381	26816	11666	Sisma Y SLD	0	151.5	0	0	620	1.381
26817	11667	Sisma X SLV	342.2	0	0	0	620	1.381	26818	11667	Sisma Y SLV	0	342.2	0	0	620	1.381
26819	11667	Sisma X SLO	182.5	0	0	0	620	1.381	26820	11667	Sisma Y SLO	0	182.5	0	0	620	1.381
26821	11667	Sisma X SLD	151.5	0	0	0	620	1.381	26822	11667	Sisma Y SLD	0	151.5	0	0	620	1.381
26823	11668	Sisma X SLV	342.2	0	0	0	620	1.381	26824	11668	Sisma Y SLV	0	342.2	0	0	620	1.381
26825	11668	Sisma X SLO	182.5	0	0	0	620	1.381	26826	11668	Sisma Y SLO	0	182.5	0	0	620	1.381
26827	11668	Sisma X SLD	151.5	0	0	0	620	1.381	26828	11668	Sisma Y SLD	0	151.5	0	0	620	1.381
26829	11669	Sisma X SLV	49.3	0	0	0	8.9E1	1.381	26830	11669	Sisma Y SLV	0	49.3	0	0	8.9E1	1.381
26831	11669	Sisma X SLO	26.3	0	0	0	8.9E1	1.381	26832	11669	Sisma Y SLO	0	26.3	0	0	8.9E1	1.381
26833	11669	Sisma X SLD	21.8	0	0	0	8.9E1	1.381	26834	11669	Sisma Y SLD	0	21.8	0	0	8.9E1	1.381
26835	11670	Sisma X SLV	24.9	0	0	0	4.5E1	1.381	26836	11670	Sisma Y SLV	0	24.9	0	0	4.5E1	1.381
26837	11670	Sisma X SLO	13.3	0	0	0	4.5E1	1.381	26838	11670	Sisma Y SLO	0	13.3	0	0	4.5E1	1.381
26839	11670	Sisma X SLD	11	0	0	0	4.5E1	1.381	26840	11670	Sisma Y SLD	0	11	0	0	4.5E1	1.381
26841	11671	Sisma X SLV	49.1	0	0	0	8.9E1	1.382	26842	11671	Sisma Y SLV	0	49.1	0	0	8.9E1	1.382
26843	11671	Sisma X SLO	26.2	0	0	0	8.9E1	1.382	26844	11671	Sisma Y SLO	0	26.2	0	0	8.9E1	1.382
26845	11671	Sisma X SLD	21.7	0	0	0	8.9E1	1.382	26846	11671	Sisma Y SLD	0	21.7	0	0	8.9E1	1.382
26847	11672	Sisma X SLV	29.4	0	0	0	5.3E1	1.382	26848	11672	Sisma Y SLV	0	29.4	0	0	5.3E1	1.382
26849	11672	Sisma X SLO	15.7	0	0	0	5.3E1	1.382	26850	11672	Sisma Y SLO	0	15.7	0	0	5.3E1	1.382
26851	11672	Sisma X SLD	13	0	0	0	5.3E1	1.382	26852	11672	Sisma Y SLD	0	13	0	0	5.3E1	1.382
26853	11673	Sisma X SLV	33.6	0	0	0	6.1E1	1.382	26854	11673	Sisma Y SLV	0	33.6	0	0	6.1E1	1.382
26855	11673	Sisma X SLO	17.9	0	0	0	6.1E1	1.382	26856	11673	Sisma Y SLO	0	17.9	0	0	6.1E1	1.382
26857	11673	Sisma X SLD	14.9	0	0	0	6.1E1	1.382	26858	11673	Sisma Y SLD	0	14.9	0	0	6.1E1	1.382
26859	11674	Sisma X SLV	19.7	0	0	0	3.6E1	1.382	26860	11674	Sisma Y SLV	0	19.7	0	0	3.6E1	1.382
26861	11674	Sisma X SLO	10.5	0	0	0	3.6E1	1.382	26862	11674	Sisma Y SLO	0	10.5	0	0	3.6E1	1.382
26863	11674	Sisma X SLD	8.7	0	0	0	3.6E1	1.382	26864	11674	Sisma Y SLD	0	8.7	0	0	3.6E1	1.382
26865	11675	Sisma X SLV	28	0	0	0	5.1E1	1.382	26866	11675	Sisma Y SLV	0	28	0	0	5.1E1	1.382
26867	11675	Sisma X SLO	14.9	0	0	0	5.1E1	1.382	26868	11675	Sisma Y SLO	0	14.9	0	0	5.1E1	1.382
26869	11675	Sisma X SLD	12.4	0	0	0	5.1E1	1.382	26870	11675	Sisma Y SLD	0	12.4	0	0	5.1E1	1.382
26871	11676	Sisma X SLV	33.1	0	0	0	6.0E1	1.382	26872	11676	Sisma Y SLV	0	33.1	0	0	6.0E1	1.382
26873	11676	Sisma X SLO	17.7	0	0	0	6.0E1	1.382	26874	11676	Sisma Y SLO	0	17.7	0	0	6.0E1	1.382
26875	11676	Sisma X SLD	14.7	0	0	0	6.0E1	1.382	26876	11676	Sisma Y SLD	0	14.7	0	0	6.0E1	1.382
26877	11677	Sisma X SLV	36.6	0	0	0	6.6E1	1.383	26878	11677	Sisma Y SLV	0	36.6	0	0	6.6E1	1.383
26879	11677	Sisma X SLO	19.5	0	0	0	6.6E1	1.383	26880	11677	Sisma Y SLO	0	19.5	0	0	6.6E1	1.383
26881	11677	Sisma X SLD	16.2	0	0	0	6.6E1	1.383	26882	11677	Sisma Y SLD	0	16.2	0	0	6.6E1	1.383
26883	11678	Sisma X SLV	23.3	0	0	0	4.2E1	1.383	26884	11678	Sisma Y SLV	0	23.3	0	0	4.2E1	1.383
26885	11678	Sisma X SLO	12.4	0	0	0	4.2E1	1.383	26886	11678	Sisma Y SLO	0	12.4	0	0	4.2E1	1.383
26887	11678	Sisma X SLD	10.3	0	0	0	4.2E1	1.383	26888	11678	Sisma Y SLD	0	10.3	0	0	4.2E1	1.383
26889	11679	Sisma X SLV	77.2	0	0	0	1.4E2	1.383	26890	11679	Sisma Y SLV	0	77.2	0	0	1.4E2	1.383
26891	11679	Sisma X SLO	41.2	0	0	0	1.4E2	1.383	26892	11679	Sisma Y SLO	0	41.2	0	0	1.4E2	1.383
26893	11679	Sisma X SLD	34.2	0	0	0	1.4E2	1.383	26894	11679	Sisma Y SLD	0	34.2	0	0	1.4E2	1.383
26895	11680	Sisma X SLV	412.6	0	0	0	7.5E2	1.383	26896	11680	Sisma Y SLV	0	412.6	0	0	7.5E2	1.383
26897	11680	Sisma X SLO	220	0	0	0	7.5E2	1.383	26898	11680	Sisma Y SLO	0	220	0	0	7.5E2	1.383
26899	11680	Sisma X SLD	182.6	0	0	0	7.5E2	1.383	26900	11680	Sisma Y SLD	0	182.6	0	0	7.5E2	1.383
26901	11681	Sisma X SLV	367.1	0	0	0	6.6E2	1.383	26902	11681	Sisma Y SLV	0	367.1	0	0	6.6E2	1.383
26903	11681	Sisma X SLO	195.7	0	0	0	6.6E2	1.383	26904	11681	Sisma Y SLO	0	195.7	0	0	6.6E2	1.383
26905	11681	Sisma X SLD	162.5	0	0	0	6.6E2	1.383	26906	11681	Sisma Y SLD	0	162.5	0	0	6.6E2	1.383
26907	11682	Sisma X SLV	367.1	0	0	0	6.6E2	1.383	26908	11682	Sisma Y SLV	0	367.1	0	0	6.6E2	1.383
26909	11682	Sisma X SLO	195.7	0	0	0	6.6E2	1.383	26910	11682	Sisma Y SLO	0	195.7	0	0	6.6E2	1.383
26911	11682	Sisma X SLD	162.5	0	0	0	6.6E2	1.383	26912	11682	Sisma Y SLD	0	162.5	0	0	6.6E2	1.383

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
26913	11683	Sisma X SLV	21	0	0	0	3.8E1	1.383	26914	11683	Sisma Y SLV	0	21	0	0	3.8E1	1.383
26915	11683	Sisma X SLO	11.2	0	0	0	3.8E1	1.383	26916	11683	Sisma Y SLO	0	11.2	0	0	3.8E1	1.383
26917	11683	Sisma X SLD	9.3	0	0	0	3.8E1	1.383	26918	11683	Sisma Y SLD	0	9.3	0	0	3.8E1	1.383
26919	11684	Sisma X SLV	24.4	0	0	0	4.4E1	1.384	26920	11684	Sisma Y SLV	0	24.4	0	0	4.4E1	1.384
26921	11684	Sisma X SLO	13	0	0	0	4.4E1	1.384	26922	11684	Sisma Y SLO	0	13	0	0	4.4E1	1.384
26923	11684	Sisma X SLD	10.8	0	0	0	4.4E1	1.384	26924	11684	Sisma Y SLD	0	10.8	0	0	4.4E1	1.384
26925	11685	Sisma X SLV	28	0	0	0	5.1E1	1.384	26926	11685	Sisma Y SLV	0	28	0	0	5.1E1	1.384
26927	11685	Sisma X SLO	14.9	0	0	0	5.1E1	1.384	26928	11685	Sisma Y SLO	0	14.9	0	0	5.1E1	1.384
26929	11685	Sisma X SLD	12.4	0	0	0	5.1E1	1.384	26930	11685	Sisma Y SLD	0	12.4	0	0	5.1E1	1.384
26931	11686	Sisma X SLV	30.3	0	0	0	5.5E1	1.384	26932	11686	Sisma Y SLV	0	30.3	0	0	5.5E1	1.384
26933	11686	Sisma X SLO	16.2	0	0	0	5.5E1	1.384	26934	11686	Sisma Y SLO	0	16.2	0	0	5.5E1	1.384
26935	11686	Sisma X SLD	13.4	0	0	0	5.5E1	1.384	26936	11686	Sisma Y SLD	0	13.4	0	0	5.5E1	1.384
26937	11687	Sisma X SLV	19	0	0	0	3.4E1	1.384	26938	11687	Sisma Y SLV	0	19	0	0	3.4E1	1.384
26939	11687	Sisma X SLO	10.1	0	0	0	3.4E1	1.384	26940	11687	Sisma Y SLO	0	10.1	0	0	3.4E1	1.384
26941	11687	Sisma X SLD	8.4	0	0	0	3.4E1	1.384	26942	11687	Sisma Y SLD	0	8.4	0	0	3.4E1	1.384
26943	11688	Sisma X SLV	27.4	0	0	0	5.0E1	1.384	26944	11688	Sisma Y SLV	0	27.4	0	0	5.0E1	1.384
26945	11688	Sisma X SLO	14.6	0	0	0	5.0E1	1.384	26946	11688	Sisma Y SLO	0	14.6	0	0	5.0E1	1.384
26947	11688	Sisma X SLD	12.1	0	0	0	5.0E1	1.384	26948	11688	Sisma Y SLD	0	12.1	0	0	5.0E1	1.384
26949	11689	Sisma X SLV	27.9	0	0	0	5.0E1	1.385	26950	11689	Sisma Y SLV	0	27.9	0	0	5.0E1	1.385
26951	11689	Sisma X SLO	14.9	0	0	0	5.0E1	1.385	26952	11689	Sisma Y SLO	0	14.9	0	0	5.0E1	1.385
26953	11689	Sisma X SLD	12.3	0	0	0	5.0E1	1.385	26954	11689	Sisma Y SLD	0	12.3	0	0	5.0E1	1.385
26955	11690	Sisma X SLV	27.7	0	0	0	5.0E1	1.385	26956	11690	Sisma Y SLV	0	27.7	0	0	5.0E1	1.385
26957	11690	Sisma X SLO	14.8	0	0	0	5.0E1	1.385	26958	11690	Sisma Y SLO	0	14.8	0	0	5.0E1	1.385
26959	11690	Sisma X SLD	12.2	0	0	0	5.0E1	1.385	26960	11690	Sisma Y SLD	0	12.2	0	0	5.0E1	1.385
26961	11691	Sisma X SLV	25.6	0	0	0	4.6E1	1.385	26962	11691	Sisma Y SLV	0	25.6	0	0	4.6E1	1.385
26963	11691	Sisma X SLO	13.7	0	0	0	4.6E1	1.385	26964	11691	Sisma Y SLO	0	13.7	0	0	4.6E1	1.385
26965	11691	Sisma X SLD	11.3	0	0	0	4.6E1	1.385	26966	11691	Sisma Y SLD	0	11.3	0	0	4.6E1	1.385
26967	11692	Sisma X SLV	100.7	0	0	0	1.8E2	1.385	26968	11692	Sisma Y SLV	0	100.7	0	0	1.8E2	1.385
26969	11692	Sisma X SLO	53.7	0	0	0	1.8E2	1.385	26970	11692	Sisma Y SLO	0	53.7	0	0	1.8E2	1.385
26971	11692	Sisma X SLD	44.6	0	0	0	1.8E2	1.385	26972	11692	Sisma Y SLD	0	44.6	0	0	1.8E2	1.385
26973	11693	Sisma X SLV	77.3	0	0	0	1.4E2	1.385	26974	11693	Sisma Y SLV	0	77.3	0	0	1.4E2	1.385
26975	11693	Sisma X SLO	41.2	0	0	0	1.4E2	1.385	26976	11693	Sisma Y SLO	0	41.2	0	0	1.4E2	1.385
26977	11693	Sisma X SLD	34.2	0	0	0	1.4E2	1.385	26978	11693	Sisma Y SLD	0	34.2	0	0	1.4E2	1.385
26979	11694	Sisma X SLV	38.7	0	0	0	7.0E1	1.385	26980	11694	Sisma Y SLV	0	38.7	0	0	7.0E1	1.385
26981	11694	Sisma X SLO	20.6	0	0	0	7.0E1	1.385	26982	11694	Sisma Y SLO	0	20.6	0	0	7.0E1	1.385
26983	11694	Sisma X SLD	17.1	0	0	0	7.0E1	1.385	26984	11694	Sisma Y SLD	0	17.1	0	0	7.0E1	1.385
26985	11695	Sisma X SLV	38.3	0	0	0	6.9E1	1.385	26986	11695	Sisma Y SLV	0	38.3	0	0	6.9E1	1.385
26987	11695	Sisma X SLO	20.4	0	0	0	6.9E1	1.385	26988	11695	Sisma Y SLO	0	20.4	0	0	6.9E1	1.385
26989	11695	Sisma X SLD	16.9	0	0	0	6.9E1	1.385	26990	11695	Sisma Y SLD	0	16.9	0	0	6.9E1	1.385
26991	11696	Sisma X SLV	58.4	0	0	0	1.1E2	1.385	26992	11696	Sisma Y SLV	0	58.4	0	0	1.1E2	1.385
26993	11696	Sisma X SLO	31.1	0	0	0	1.1E2	1.385	26994	11696	Sisma Y SLO	0	31.1	0	0	1.1E2	1.385
26995	11696	Sisma X SLD	25.8	0	0	0	1.1E2	1.385	26996	11696	Sisma Y SLD	0	25.8	0	0	1.1E2	1.385
26997	11697	Sisma X SLV	26.7	0	0	0	4.8E1	1.386	26998	11697	Sisma Y SLV	0	26.7	0	0	4.8E1	1.386
26999	11697	Sisma X SLO	14.2	0	0	0	4.8E1	1.386	27000	11697	Sisma Y SLO	0	14.2	0	0	4.8E1	1.386
27001	11697	Sisma X SLD	11.8	0	0	0	4.8E1	1.386	27002	11697	Sisma Y SLD	0	11.8	0	0	4.8E1	1.386
27003	11698	Sisma X SLV	25.5	0	0	0	4.6E1	1.386	27004	11698	Sisma Y SLV	0	25.5	0	0	4.6E1	1.386
27005	11698	Sisma X SLO	13.6	0	0	0	4.6E1	1.386	27006	11698	Sisma Y SLO	0	13.6	0	0	4.6E1	1.386
27007	11698	Sisma X SLD	11.3	0	0	0	4.6E1	1.386	27008	11698	Sisma Y SLD	0	11.3	0	0	4.6E1	1.386
27009	11699	Sisma X SLV	73.4	0	0	0	1.3E2	1.386	27010	11699	Sisma Y SLV	0	73.4	0	0	1.3E2	1.386
27011	11699	Sisma X SLO	39.1	0	0	0	1.3E2	1.386	27012	11699	Sisma Y SLO	0	39.1	0	0	1.3E2	1.386
27013	11699	Sisma X SLD	32.5	0	0	0	1.3E2	1.386	27014	11699	Sisma Y SLD	0	32.5	0	0	1.3E2	1.386
27015	11700	Sisma X SLV	21.3	0	0	0	3.8E1	1.387	27016	11700	Sisma Y SLV	0	21.3	0	0	3.8E1	1.387
27017	11700	Sisma X SLO	11.4	0	0	0	3.8E1	1.387	27018	11700	Sisma Y SLO	0	11.4	0	0	3.8E1	1.387
27019	11700	Sisma X SLD	9.4	0	0	0	3.8E1	1.387	27020	11700	Sisma Y SLD	0	9.4	0	0	3.8E1	1.387
27021	11701	Sisma X SLV	21.8	0	0	0	3.9E1	1.387	27022	11701	Sisma Y SLV	0	21.8	0	0	3.9E1	1.387
27023	11701	Sisma X SLO	11.6	0	0	0	3.9E1	1.387	27024	11701	Sisma Y SLO	0	11.6	0	0	3.9E1	1.387
27025	11701	Sisma X SLD	9.6	0	0	0	3.9E1	1.387	27026	11701	Sisma Y SLD	0	9.6	0	0	3.9E1	1.387
27027	11702	Sisma X SLV	28.4	0	0	0	5.1E1	1.387	27028	11702	Sisma Y SLV	0	28.4	0	0	5.1E1	1.387
27029	11702	Sisma X SLO	15.1	0	0	0	5.1E1	1.387	27030	11702	Sisma Y SLO	0	15.1	0	0	5.1E1	1.387
27031	11702	Sisma X SLD	12.6	0	0	0	5.1E1	1.387	27032	11702	Sisma Y SLD	0	12.6	0	0	5.1E1	1.387
27033	11703	Sisma X SLV	38.8	0	0	0	7.0E1	1.387	27034	11703	Sisma Y SLV	0	38.8	0	0	7.0E1	1.387
27035	11703	Sisma X SLO	20.7	0	0	0	7.0E1	1.387	27036	11703	Sisma Y SLO	0	20.7	0	0	7.0E1	1.387
27037	11703	Sisma X SLD	17.2	0	0	0	7.0E1	1.387	27038	11703	Sisma Y SLD	0	17.2	0	0	7.0E1	1.387
27039	11704	Sisma X SLV	15.5	0	0	0	2.8E1	1.388	27040	11704	Sisma Y SLV	0	15.5	0	0	2.8E1	1.388
27041	11704	Sisma X SLO	8.2	0	0	0	2.8E1	1.388	27042	11704	Sisma Y SLO	0	8.2	0	0	2.8E1	1.388
27043	11704	Sisma X SLD	6.8	0	0	0	2.8E1	1.388	27044	11704	Sisma Y SLD	0	6.8	0	0	2.8E1	1.388
27045	11705	Sisma X SLV	83	0	0	0	1.5E2	1.389	27046	11705	Sisma Y SLV	0	83	0	0	1.5E2	1.389
27047	11705	Sisma X SLO	44.2	0	0	0	1.5E2	1.389	27048	11705	Sisma Y SLO	0	44.2	0	0	1.5E2	1.389
27049	11705	Sisma X SLD	36.7	0	0	0	1.5E2	1.389	27050	11705	Sisma Y SLD	0	36.7	0	0	1.5E2	1.389
27051	11706	Sisma X SLV	41	0	0	0	7.4E1	1.389	27052	11706	Sisma Y SLV	0	41	0	0	7.4E1	1.389
27053	11706	Sisma X SLO	21.8	0	0	0	7.4E1	1.389	27054	11706	Sisma Y SLO	0	21.8	0	0	7.4E1	1.389
27055	11706	Sisma X SLD	18.1	0	0	0	7.4E1	1.389	27056	11706	Sisma Y SLD	0	18.1	0	0	7.4E1	1.389
27057	11707	Sisma X SLV	28.8	0	0	0	51.87	1.389	27058	11707	Sisma Y SLV	0	28.8	0	0	51.87	1.389
27059	11707	Sisma X SLO	15.4	0	0	0	51.87	1.389	27060	11707	Sisma Y SLO	0	15.4	0	0	51.87	1.389
27061	11707	Sisma X SLD	12.7	0	0	0	51.87	1.389	27062	11707	Sisma Y SLD	0	12.7	0	0	51.87	1.389
27063	11708	Sisma X SLV	33.6	0	0	0	6.1E1	1.389	27064	11708	Sisma Y SLV	0	33.6	0	0	6.1E1	1.389
27065	11708	Sisma X SLO	17.9	0	0	0	6.1E1	1.389	27066	11708	Sisma Y SLO	0	17.9	0	0	6.1E1	1.389
27067	11708	Sisma X SLD	14.9	0	0	0	6.1E1	1.389	27068	11708	Sisma Y SLD	0	14.9	0	0	6.1E1	1.389
27069	11709	Sisma X SLV	28.6	0	0	0	5.2E1	1.39	27070	11709	Sisma Y SLV	0	28.6	0	0	5.2E1	1.39
27071	11709	Sisma X SLO	15.3	0	0	0	5.2E1	1.39	27072	11709	Sisma Y SLO	0	15.3	0	0	5.2E1	1.39
27073	11709	Sisma X SLD	12.7	0	0	0	5.2E1	1.39	27074	11709	Sisma Y SLD	0	12.7	0	0	5.2E1	1.39
27075	11710	Sisma X SLV	37.5	0	0	0	6.8E1	1.39	27076	11710	Sisma Y SLV	0	37.5	0	0	6.8E1	1.39
27077	11710	Sisma X SLO	20	0	0	0	6.8E1	1.39	27078	11710	Sisma Y SLO	0	20	0	0	6.8E1	1.39
27079	11710	Sisma X SLD	16.6	0	0	0	6.8E1	1.39	27080	11710	Sisma Y SLD	0	16.6	0	0	6.8E1	1.39
27081	11711	Sisma X SLV	41.6	0	0	0	7.5E1	1.39	27082	11711	Sisma Y SLV	0	41.6	0	0	7.5E1	1.39
27083	11711	Sisma X SLO	22.2	0	0	0	7.5E1	1.39	27084	11711	Sisma Y SLO	0	22.2	0	0	7.5E1	1.39
27085	11711	Sisma X SLD	18.4	0	0	0	7.5E1	1.39	27086	11711	Sisma Y SLD	0	18.4	0	0	7.5E1	1.39
27087	11712	Sisma X SLV	40.6	0	0	0	7.3E1	1.39	27088	11712	Sisma Y SLV	0	40.6	0	0	7.3E1	1.39
27089	11712	Sisma X SLO	21.7	0	0	0	7.3E1	1.39	27090	11712	Sisma Y SLO	0	21.7	0	0	7.3E1	1.39
27091	11712	Sisma X SLD	18	0	0	0	7.3E1	1.39	27092	11712	Sisma Y SLD	0	18	0	0	7.3E1	1.39
27093	11713	Sisma X SLV	43.4	0	0	0	78.2	1.39	27094	11713	Sisma Y SLV	0	43.4	0	0	78.2	1.39
27095	11713	Sisma X SLO	23.2	0	0	0	78.2	1.39	27096	11713	Sisma Y SLO	0	23.2	0	0	78.2	1.39
27097	11713	Sisma X SLD	19.2	0	0	0	78.2	1.39	27098	11713	Sisma Y SLD	0	19.2	0	0	78.2	1.39
27099	11714	Sisma X SLV	40.7	0	0	0	7.3E1	1.391	27100	11714	Sisma Y SLV	0	40.7	0	0	7.3E1	1.391
27101	11714	Sisma X SLO	21.7	0	0	0	7.3E1	1.391	27102	11714	Sisma Y SLO	0	21.7	0	0	7.3E1	1.391
27103	11714	Sisma X SLD	18	0	0	0	7.3E1	1.391	27104	11714	Sisma Y SLD	0	18	0	0	7.3E1	1.391
27105	11715	Sisma X SLV	75.9	0	0	0	1.4E2	1.391	27106	11715	Sisma Y SLV	0	75.9	0	0	1.4E2	1.391
27107	11715	Sisma X SLO	40.5	0	0	0	1.4E2	1.391	27108	11715	Sisma Y SLO	0	40.5	0	0	1.4E2	1.391
27109	11715	Sisma X SLD	33.6	0	0	0	1.4E2	1.391	27110	11715	Sisma Y SLD	0	33.6	0	0	1.4E2	1.391
27111	11716	Sisma X SLV	26.8	0	0	0	4.8E1	1.391	27112	11716	Sisma Y SLV	0	26.8	0	0	4.8E1	1.391

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
27113	11716	Sisma X SLO	14.3	0	0	0	4.8E1	1.391	27114	11716	Sisma Y SLO	0	14.3	0	0	4.8E1	1.391
27115	11716	Sisma X SLD	11.9	0	0	0	4.8E1	1.391	27116	11716	Sisma Y SLD	0	11.9	0	0	4.8E1	1.391
27117	11717	Sisma X SLV	17.1	0	0	0	3.1E1	1.391	27118	11717	Sisma Y SLV	0	17.1	0	0	3.1E1	1.391
27119	11717	Sisma X SLO	9.1	0	0	0	3.1E1	1.391	27120	11717	Sisma Y SLO	0	9.1	0	0	3.1E1	1.391
27121	11717	Sisma X SLD	7.6	0	0	0	3.1E1	1.391	27122	11717	Sisma Y SLD	0	7.6	0	0	3.1E1	1.391
27123	11718	Sisma X SLV	24.9	0	0	0	4.5E1	1.391	27124	11718	Sisma Y SLV	0	24.9	0	0	4.5E1	1.391
27125	11718	Sisma X SLO	13.3	0	0	0	4.5E1	1.391	27126	11718	Sisma Y SLO	0	13.3	0	0	4.5E1	1.391
27127	11718	Sisma X SLD	11	0	0	0	4.5E1	1.391	27128	11718	Sisma Y SLD	0	11	0	0	4.5E1	1.391
27129	11719	Sisma X SLV	47.4	0	0	0	85.23	1.391	27130	11719	Sisma Y SLV	0	47.4	0	0	85.23	1.391
27131	11719	Sisma X SLO	25.3	0	0	0	85.23	1.391	27132	11719	Sisma Y SLO	0	25.3	0	0	85.23	1.391
27133	11719	Sisma X SLD	21	0	0	0	85.23	1.391	27134	11719	Sisma Y SLD	0	21	0	0	85.23	1.391
27135	11720	Sisma X SLV	39	0	0	0	7.0E1	1.391	27136	11720	Sisma Y SLV	0	39	0	0	7.0E1	1.391
27137	11720	Sisma X SLO	20.8	0	0	0	7.0E1	1.391	27138	11720	Sisma Y SLO	0	20.8	0	0	7.0E1	1.391
27139	11720	Sisma X SLD	17.2	0	0	0	7.0E1	1.391	27140	11720	Sisma Y SLD	0	17.2	0	0	7.0E1	1.391
27141	11721	Sisma X SLV	84.2	0	0	0	1.5E2	1.391	27142	11721	Sisma Y SLV	0	84.2	0	0	1.5E2	1.391
27143	11721	Sisma X SLO	44.9	0	0	0	1.5E2	1.391	27144	11721	Sisma Y SLO	0	44.9	0	0	1.5E2	1.391
27145	11721	Sisma X SLD	37.3	0	0	0	1.5E2	1.391	27146	11721	Sisma Y SLD	0	37.3	0	0	1.5E2	1.391
27147	11722	Sisma X SLV	47.4	0	0	0	8.5E1	1.392	27148	11722	Sisma Y SLV	0	47.4	0	0	8.5E1	1.392
27149	11722	Sisma X SLO	25.3	0	0	0	8.5E1	1.392	27150	11722	Sisma Y SLO	0	25.3	0	0	8.5E1	1.392
27151	11722	Sisma X SLD	21	0	0	0	8.5E1	1.392	27152	11722	Sisma Y SLD	0	21	0	0	8.5E1	1.392
27153	11723	Sisma X SLV	16.8	0	0	0	3.0E1	1.392	27154	11723	Sisma Y SLV	0	16.8	0	0	3.0E1	1.392
27155	11723	Sisma X SLO	9	0	0	0	3.0E1	1.392	27156	11723	Sisma Y SLO	0	9	0	0	3.0E1	1.392
27157	11723	Sisma X SLD	7.4	0	0	0	3.0E1	1.392	27158	11723	Sisma Y SLD	0	7.4	0	0	3.0E1	1.392
27159	11724	Sisma X SLV	83	0	0	0	1.5E2	1.392	27160	11724	Sisma Y SLV	0	83	0	0	1.5E2	1.392
27161	11724	Sisma X SLO	44.3	0	0	0	1.5E2	1.392	27162	11724	Sisma Y SLO	0	44.3	0	0	1.5E2	1.392
27163	11724	Sisma X SLD	36.7	0	0	0	1.5E2	1.392	27164	11724	Sisma Y SLD	0	36.7	0	0	1.5E2	1.392
27165	11725	Sisma X SLV	30.9	0	0	0	5.6E1	1.393	27166	11725	Sisma Y SLV	0	30.9	0	0	5.6E1	1.393
27167	11725	Sisma X SLO	16.5	0	0	0	5.6E1	1.393	27168	11725	Sisma Y SLO	0	16.5	0	0	5.6E1	1.393
27169	11725	Sisma X SLD	13.7	0	0	0	5.6E1	1.393	27170	11725	Sisma Y SLD	0	13.7	0	0	5.6E1	1.393
27171	11726	Sisma X SLV	38.8	0	0	0	7.0E1	1.393	27172	11726	Sisma Y SLV	0	38.8	0	0	7.0E1	1.393
27173	11726	Sisma X SLO	20.7	0	0	0	7.0E1	1.393	27174	11726	Sisma Y SLO	0	20.7	0	0	7.0E1	1.393
27175	11726	Sisma X SLD	17.2	0	0	0	7.0E1	1.393	27176	11726	Sisma Y SLD	0	17.2	0	0	7.0E1	1.393
27177	11727	Sisma X SLV	44.5	0	0	0	8.0E1	1.393	27178	11727	Sisma Y SLV	0	44.5	0	0	8.0E1	1.393
27179	11727	Sisma X SLO	23.7	0	0	0	8.0E1	1.393	27180	11727	Sisma Y SLO	0	23.7	0	0	8.0E1	1.393
27181	11727	Sisma X SLD	19.7	0	0	0	8.0E1	1.393	27182	11727	Sisma Y SLD	0	19.7	0	0	8.0E1	1.393
27183	11728	Sisma X SLV	49.3	0	0	0	8.9E1	1.393	27184	11728	Sisma Y SLV	0	49.3	0	0	8.9E1	1.393
27185	11728	Sisma X SLO	26.3	0	0	0	8.9E1	1.393	27186	11728	Sisma Y SLO	0	26.3	0	0	8.9E1	1.393
27187	11728	Sisma X SLD	21.8	0	0	0	8.9E1	1.393	27188	11728	Sisma Y SLD	0	21.8	0	0	8.9E1	1.393
27189	11729	Sisma X SLV	51.2	0	0	0	9.2E1	1.393	27190	11729	Sisma Y SLV	0	51.2	0	0	9.2E1	1.393
27191	11729	Sisma X SLO	27.3	0	0	0	9.2E1	1.393	27192	11729	Sisma Y SLO	0	27.3	0	0	9.2E1	1.393
27193	11729	Sisma X SLD	22.7	0	0	0	9.2E1	1.393	27194	11729	Sisma Y SLD	0	22.7	0	0	9.2E1	1.393
27195	11730	Sisma X SLV	51.5	0	0	0	9.3E1	1.393	27196	11730	Sisma Y SLV	0	51.5	0	0	9.3E1	1.393
27197	11730	Sisma X SLO	27.5	0	0	0	9.3E1	1.393	27198	11730	Sisma Y SLO	0	27.5	0	0	9.3E1	1.393
27199	11730	Sisma X SLD	22.8	0	0	0	9.3E1	1.393	27200	11730	Sisma Y SLD	0	22.8	0	0	9.3E1	1.393
27201	11731	Sisma X SLV	49.7	0	0	0	8.9E1	1.393	27202	11731	Sisma Y SLV	0	49.7	0	0	8.9E1	1.393
27203	11731	Sisma X SLO	26.5	0	0	0	8.9E1	1.393	27204	11731	Sisma Y SLO	0	26.5	0	0	8.9E1	1.393
27205	11731	Sisma X SLD	22	0	0	0	8.9E1	1.393	27206	11731	Sisma Y SLD	0	22	0	0	8.9E1	1.393
27207	11732	Sisma X SLV	44.6	0	0	0	8.0E1	1.394	27208	11732	Sisma Y SLV	0	44.6	0	0	8.0E1	1.394
27209	11732	Sisma X SLO	23.8	0	0	0	8.0E1	1.394	27210	11732	Sisma Y SLO	0	23.8	0	0	8.0E1	1.394
27211	11732	Sisma X SLD	19.7	0	0	0	8.0E1	1.394	27212	11732	Sisma Y SLD	0	19.7	0	0	8.0E1	1.394
27213	11733	Sisma X SLV	50.3	0	0	0	9.0E1	1.394	27214	11733	Sisma Y SLV	0	50.3	0	0	9.0E1	1.394
27215	11733	Sisma X SLO	26.8	0	0	0	9.0E1	1.394	27216	11733	Sisma Y SLO	0	26.8	0	0	9.0E1	1.394
27217	11733	Sisma X SLD	22.3	0	0	0	9.0E1	1.394	27218	11733	Sisma Y SLD	0	22.3	0	0	9.0E1	1.394
27219	11734	Sisma X SLV	51.2	0	0	0	9.2E1	1.394	27220	11734	Sisma Y SLV	0	51.2	0	0	9.2E1	1.394
27221	11734	Sisma X SLO	27.3	0	0	0	9.2E1	1.394	27222	11734	Sisma Y SLO	0	27.3	0	0	9.2E1	1.394
27223	11734	Sisma X SLD	22.6	0	0	0	9.2E1	1.394	27224	11734	Sisma Y SLD	0	22.6	0	0	9.2E1	1.394
27225	11735	Sisma X SLV	32.5	0	0	0	5.8E1	1.394	27226	11735	Sisma Y SLV	0	32.5	0	0	5.8E1	1.394
27227	11735	Sisma X SLO	17.3	0	0	0	5.8E1	1.394	27228	11735	Sisma Y SLO	0	17.3	0	0	5.8E1	1.394
27229	11735	Sisma X SLD	14.4	0	0	0	5.8E1	1.394	27230	11735	Sisma Y SLD	0	14.4	0	0	5.8E1	1.394
27231	11736	Sisma X SLV	52.5	0	0	0	9.4E1	1.395	27232	11736	Sisma Y SLV	0	52.5	0	0	9.4E1	1.395
27233	11736	Sisma X SLO	28	0	0	0	9.4E1	1.395	27234	11736	Sisma Y SLO	0	28	0	0	9.4E1	1.395
27235	11736	Sisma X SLD	23.2	0	0	0	9.4E1	1.395	27236	11736	Sisma Y SLD	0	23.2	0	0	9.4E1	1.395
27237	11737	Sisma X SLV	53.1	0	0	0	9.5E1	1.395	27238	11737	Sisma Y SLV	0	53.1	0	0	9.5E1	1.395
27239	11737	Sisma X SLO	28.3	0	0	0	9.5E1	1.395	27240	11737	Sisma Y SLO	0	28.3	0	0	9.5E1	1.395
27241	11737	Sisma X SLD	23.5	0	0	0	9.5E1	1.395	27242	11737	Sisma Y SLD	0	23.5	0	0	9.5E1	1.395
27243	11738	Sisma X SLV	52.9	0	0	0	9.5E1	1.395	27244	11738	Sisma Y SLV	0	52.9	0	0	9.5E1	1.395
27245	11738	Sisma X SLO	28.2	0	0	0	9.5E1	1.395	27246	11738	Sisma Y SLO	0	28.2	0	0	9.5E1	1.395
27247	11738	Sisma X SLD	23.4	0	0	0	9.5E1	1.395	27248	11738	Sisma Y SLD	0	23.4	0	0	9.5E1	1.395
27249	11739	Sisma X SLV	46.3	0	0	0	8.3E1	1.395	27250	11739	Sisma Y SLV	0	46.3	0	0	8.3E1	1.395
27251	11739	Sisma X SLO	24.7	0	0	0	8.3E1	1.395	27252	11739	Sisma Y SLO	0	24.7	0	0	8.3E1	1.395
27253	11739	Sisma X SLD	20.5	0	0	0	8.3E1	1.395	27254	11739	Sisma Y SLD	0	20.5	0	0	8.3E1	1.395
27255	11740	Sisma X SLV	44.5	0	0	0	79.81	1.395	27256	11740	Sisma Y SLV	0	44.5	0	0	79.81	1.395
27257	11740	Sisma X SLO	23.7	0	0	0	79.81	1.395	27258	11740	Sisma Y SLO	0	23.7	0	0	79.81	1.395
27259	11740	Sisma X SLD	19.7	0	0	0	79.81	1.395	27260	11740	Sisma Y SLD	0	19.7	0	0	79.81	1.395
27261	11741	Sisma X SLV	40.8	0	0	0	7.3E1	1.396	27262	11741	Sisma Y SLV	0	40.8	0	0	7.3E1	1.396
27263	11741	Sisma X SLO	21.7	0	0	0	7.3E1	1.396	27264	11741	Sisma Y SLO	0	21.7	0	0	7.3E1	1.396
27265	11741	Sisma X SLD	18	0	0	0	7.3E1	1.396	27266	11741	Sisma Y SLD	0	18	0	0	7.3E1	1.396
27267	11742	Sisma X SLV	44.7	0	0	0	80.08	1.396	27268	11742	Sisma Y SLV	0	44.7	0	0	80.08	1.396
27269	11742	Sisma X SLO	23.8	0	0	0	80.08	1.396	27270	11742	Sisma Y SLO	0	23.8	0	0	80.08	1.396
27271	11742	Sisma X SLD	19.8	0	0	0	80.08	1.396	27272	11742	Sisma Y SLD	0	19.8	0	0	80.08	1.396
27273	11743	Sisma X SLV	47.9	0	0	0	8.6E1	1.396	27274	11743	Sisma Y SLV	0	47.9	0	0	8.6E1	1.396
27275	11743	Sisma X SLO	25.6	0	0	0	8.6E1	1.396	27276	11743	Sisma Y SLO	0	25.6	0	0	8.6E1	1.396
27277	11743	Sisma X SLD	21.2	0	0	0	8.6E1	1.396	27278	11743	Sisma Y SLD	0	21.2	0	0	8.6E1	1.396
27279	11744	Sisma X SLV	51.8	0	0	0	9.3E1	1.396	27280	11744	Sisma Y SLV	0	51.8	0	0	9.3E1	1.396
27281	11744	Sisma X SLO	27.6	0	0	0	9.3E1	1.396	27282	11744	Sisma Y SLO	0	27.6	0	0	9.3E1	1.396
27283	11744	Sisma X SLD	22.9	0	0	0	9.3E1	1.396	27284	11744	Sisma Y SLD	0	22.9	0	0	9.3E1	1.396
27285	11745	Sisma X SLV	31.7	0	0	0	5.7E1	1.397	27286	11745	Sisma Y SLV	0	31.7	0	0	5.7E1	1.397
27287	11745	Sisma X SLO	16.9	0	0	0	5.7E1	1.397	27288	11745	Sisma Y SLO	0	16.9	0	0	5.7E1	1.397
27289	11745	Sisma X SLD	14	0	0	0	5.7E1	1.397	27290	11745	Sisma Y SLD	0	14	0	0	5.7E1	1.397
27291	11746	Sisma X SLV	46.2	0	0	0	8.3E1	1.397	27292	11746	Sisma Y SLV	0	46.2	0	0	8.3E1	1.397
27293	11746	Sisma X SLO	24.6	0	0	0	8.3E1	1.397	27294	11746	Sisma Y SLO	0	24.6	0	0	8.3E1	1.397
27295	11746	Sisma X SLD	20.4	0	0	0	8.3E1	1.397	27296	11746	Sisma Y SLD	0	20.4	0	0	8.3E1	1.397
27297	11747	Sisma X SLV	53.5	0	0	0	9.6E1	1.397	27298	11747	Sisma Y SLV	0	53.5	0	0	9.6E1	1.397
27299	11747	Sisma X SLO	28.5	0	0	0	9.6E1	1.397	27300	11747	Sisma Y SLO	0	28.5	0	0	9.6E1	1.397
27301	11747	Sisma X SLD	23.7	0	0	0	9.6E1	1.397	27302	11747	Sisma Y SLD	0	23.7	0	0	9.6E1	1.397
27303	11748	Sisma X SLV	24.2	0	0	0	4.3E1	1.397	27304	11748	Sisma Y SLV	0	24.2	0	0	4.3E1	1.397
27305	11748	Sisma X SLO	12.9	0	0	0	4.3E1	1.397	27306	11748	Sisma Y SLO	0	12.9	0	0	4.3E1	1.397
27307	11748	Sisma X SLD	10.7	0	0	0	4.3E1	1.397	27308	11748	Sisma Y SLD	0	10.7	0	0	4.3E1	1.397
27309	11749	Sisma X SLV	52	0	0	0	9.3E1	1.397	27310	11749	Sisma Y SLV	0	52	0	0	9.3E1	1.397
27311	11749	Sisma X SLO	27.7	0	0	0	9.3E1	1.397	27312	11749	Sisma Y SLO	0	27.7	0	0	9.3E1	1.397

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
27313	11749	Sisma X SLD	23	0	0	0	9.3E1	1.397	27314	11749	Sisma Y SLD	0	23	0	0	9.3E1	1.397
27315	11750	Sisma X SLV	44.8	0	0	0	8.0E1	1.397	27316	11750	Sisma Y SLV	0	44.8	0	0	8.0E1	1.397
27317	11750	Sisma X SLO	23.9	0	0	0	8.0E1	1.397	27318	11750	Sisma Y SLO	0	23.9	0	0	8.0E1	1.397
27319	11750	Sisma X SLD	19.8	0	0	0	8.0E1	1.397	27320	11750	Sisma Y SLD	0	19.8	0	0	8.0E1	1.397
27321	11751	Sisma X SLV	49.5	0	0	0	8.9E1	1.397	27322	11751	Sisma Y SLV	0	49.5	0	0	8.9E1	1.397
27323	11751	Sisma X SLO	26.4	0	0	0	8.9E1	1.397	27324	11751	Sisma Y SLO	0	26.4	0	0	8.9E1	1.397
27325	11751	Sisma X SLD	21.9	0	0	0	8.9E1	1.397	27326	11751	Sisma Y SLD	0	21.9	0	0	8.9E1	1.397
27327	11752	Sisma X SLV	52.3	0	0	0	9.4E1	1.397	27328	11752	Sisma Y SLV	0	52.3	0	0	9.4E1	1.397
27329	11752	Sisma X SLO	27.9	0	0	0	9.4E1	1.397	27330	11752	Sisma Y SLO	0	27.9	0	0	9.4E1	1.397
27331	11752	Sisma X SLD	23.1	0	0	0	9.4E1	1.397	27332	11752	Sisma Y SLD	0	23.1	0	0	9.4E1	1.397
27333	11753	Sisma X SLV	47.3	0	0	0	8.5E1	1.397	27334	11753	Sisma Y SLV	0	47.3	0	0	8.5E1	1.397
27335	11753	Sisma X SLO	25.2	0	0	0	8.5E1	1.397	27336	11753	Sisma Y SLO	0	25.2	0	0	8.5E1	1.397
27337	11753	Sisma X SLD	20.9	0	0	0	8.5E1	1.397	27338	11753	Sisma Y SLD	0	20.9	0	0	8.5E1	1.397
27339	11754	Sisma X SLV	24.9	0	0	0	4.5E1	1.397	27340	11754	Sisma Y SLV	0	24.9	0	0	4.5E1	1.397
27341	11754	Sisma X SLO	13.3	0	0	0	4.5E1	1.397	27342	11754	Sisma Y SLO	0	13.3	0	0	4.5E1	1.397
27343	11754	Sisma X SLD	11	0	0	0	4.5E1	1.397	27344	11754	Sisma Y SLD	0	11	0	0	4.5E1	1.397
27345	11755	Sisma X SLV	31.1	0	0	0	5.6E1	1.397	27346	11755	Sisma Y SLV	0	31.1	0	0	5.6E1	1.397
27347	11755	Sisma X SLO	16.6	0	0	0	5.6E1	1.397	27348	11755	Sisma Y SLO	0	16.6	0	0	5.6E1	1.397
27349	11755	Sisma X SLD	13.8	0	0	0	5.6E1	1.397	27350	11755	Sisma Y SLD	0	13.8	0	0	5.6E1	1.397
27351	11756	Sisma X SLV	47.9	0	0	0	85.77	1.397	27352	11756	Sisma Y SLV	0	47.9	0	0	85.77	1.397
27353	11756	Sisma X SLO	25.5	0	0	0	85.77	1.397	27354	11756	Sisma Y SLO	0	25.5	0	0	85.77	1.397
27355	11756	Sisma X SLD	21.2	0	0	0	85.77	1.397	27356	11756	Sisma Y SLD	0	21.2	0	0	85.77	1.397
27357	11757	Sisma X SLV	21.5	0	0	0	3.9E1	1.398	27358	11757	Sisma Y SLV	0	21.5	0	0	3.9E1	1.398
27359	11757	Sisma X SLO	11.5	0	0	0	3.9E1	1.398	27360	11757	Sisma Y SLO	0	11.5	0	0	3.9E1	1.398
27361	11757	Sisma X SLD	9.5	0	0	0	3.9E1	1.398	27362	11757	Sisma Y SLD	0	9.5	0	0	3.9E1	1.398
27363	11758	Sisma X SLV	48.2	0	0	0	8.6E1	1.398	27364	11758	Sisma Y SLV	0	48.2	0	0	8.6E1	1.398
27365	11758	Sisma X SLO	25.7	0	0	0	8.6E1	1.398	27366	11758	Sisma Y SLO	0	25.7	0	0	8.6E1	1.398
27367	11758	Sisma X SLD	21.3	0	0	0	8.6E1	1.398	27368	11758	Sisma Y SLD	0	21.3	0	0	8.6E1	1.398
27369	11759	Sisma X SLV	40.2	0	0	0	7.2E1	1.398	27370	11759	Sisma Y SLV	0	40.2	0	0	7.2E1	1.398
27371	11759	Sisma X SLO	21.4	0	0	0	7.2E1	1.398	27372	11759	Sisma Y SLO	0	21.4	0	0	7.2E1	1.398
27373	11759	Sisma X SLD	17.8	0	0	0	7.2E1	1.398	27374	11759	Sisma Y SLD	0	17.8	0	0	7.2E1	1.398
27375	11760	Sisma X SLV	53.4	0	0	0	9.6E1	1.398	27376	11760	Sisma Y SLV	0	53.4	0	0	9.6E1	1.398
27377	11760	Sisma X SLO	28.5	0	0	0	9.6E1	1.398	27378	11760	Sisma Y SLO	0	28.5	0	0	9.6E1	1.398
27379	11760	Sisma X SLD	23.7	0	0	0	9.6E1	1.398	27380	11760	Sisma Y SLD	0	23.7	0	0	9.6E1	1.398
27381	11761	Sisma X SLV	52.1	0	0	0	9.3E1	1.399	27382	11761	Sisma Y SLV	0	52.1	0	0	9.3E1	1.399
27383	11761	Sisma X SLO	27.8	0	0	0	9.3E1	1.399	27384	11761	Sisma Y SLO	0	27.8	0	0	9.3E1	1.399
27385	11761	Sisma X SLD	23.1	0	0	0	9.3E1	1.399	27386	11761	Sisma Y SLD	0	23.1	0	0	9.3E1	1.399
27387	11762	Sisma X SLV	51.6	0	0	0	9.2E1	1.399	27388	11762	Sisma Y SLV	0	51.6	0	0	9.2E1	1.399
27389	11762	Sisma X SLO	27.5	0	0	0	9.2E1	1.399	27390	11762	Sisma Y SLO	0	27.5	0	0	9.2E1	1.399
27391	11762	Sisma X SLD	22.8	0	0	0	9.2E1	1.399	27392	11762	Sisma Y SLD	0	22.8	0	0	9.2E1	1.399
27393	11763	Sisma X SLV	51.8	0	0	0	9.3E1	1.399	27394	11763	Sisma Y SLV	0	51.8	0	0	9.3E1	1.399
27395	11763	Sisma X SLO	27.6	0	0	0	9.3E1	1.399	27396	11763	Sisma Y SLO	0	27.6	0	0	9.3E1	1.399
27397	11763	Sisma X SLD	22.9	0	0	0	9.3E1	1.399	27398	11763	Sisma Y SLD	0	22.9	0	0	9.3E1	1.399
27399	11764	Sisma X SLV	44.8	0	0	0	8.0E1	1.399	27400	11764	Sisma Y SLV	0	44.8	0	0	8.0E1	1.399
27401	11764	Sisma X SLO	23.9	0	0	0	8.0E1	1.399	27402	11764	Sisma Y SLO	0	23.9	0	0	8.0E1	1.399
27403	11764	Sisma X SLD	19.8	0	0	0	8.0E1	1.399	27404	11764	Sisma Y SLD	0	19.8	0	0	8.0E1	1.399
27405	11765	Sisma X SLV	51.3	0	0	0	9.2E1	1.399	27406	11765	Sisma Y SLV	0	51.3	0	0	9.2E1	1.399
27407	11765	Sisma X SLO	27.4	0	0	0	9.2E1	1.399	27408	11765	Sisma Y SLO	0	27.4	0	0	9.2E1	1.399
27409	11765	Sisma X SLD	22.7	0	0	0	9.2E1	1.399	27410	11765	Sisma Y SLD	0	22.7	0	0	9.2E1	1.399
27411	11766	Sisma X SLV	40.7	0	0	0	7.3E1	1.399	27412	11766	Sisma Y SLV	0	40.7	0	0	7.3E1	1.399
27413	11766	Sisma X SLO	21.7	0	0	0	7.3E1	1.399	27414	11766	Sisma Y SLO	0	21.7	0	0	7.3E1	1.399
27415	11766	Sisma X SLD	18	0	0	0	7.3E1	1.399	27416	11766	Sisma Y SLD	0	18	0	0	7.3E1	1.399
27417	11767	Sisma X SLV	49.2	0	0	0	8.8E1	1.399	27418	11767	Sisma Y SLV	0	49.2	0	0	8.8E1	1.399
27419	11767	Sisma X SLO	26.2	0	0	0	8.8E1	1.399	27420	11767	Sisma Y SLO	0	26.2	0	0	8.8E1	1.399
27421	11767	Sisma X SLD	21.8	0	0	0	8.8E1	1.399	27422	11767	Sisma Y SLD	0	21.8	0	0	8.8E1	1.399
27423	11768	Sisma X SLV	51.4	0	0	0	91.85	1.399	27424	11768	Sisma Y SLV	0	51.4	0	0	91.85	1.399
27425	11768	Sisma X SLO	27.4	0	0	0	91.85	1.399	27426	11768	Sisma Y SLO	0	27.4	0	0	91.85	1.399
27427	11768	Sisma X SLD	22.7	0	0	0	91.85	1.399	27428	11768	Sisma Y SLD	0	22.7	0	0	91.85	1.399
27429	11769	Sisma X SLV	39.2	0	0	0	7.0E1	1.399	27430	11769	Sisma Y SLV	0	39.2	0	0	7.0E1	1.399
27431	11769	Sisma X SLO	20.9	0	0	0	7.0E1	1.399	27432	11769	Sisma Y SLO	0	20.9	0	0	7.0E1	1.399
27433	11769	Sisma X SLD	17.4	0	0	0	7.0E1	1.399	27434	11769	Sisma Y SLD	0	17.4	0	0	7.0E1	1.399
27435	11770	Sisma X SLV	49.8	0	0	0	8.9E1	1.399	27436	11770	Sisma Y SLV	0	49.8	0	0	8.9E1	1.399
27437	11770	Sisma X SLO	26.5	0	0	0	8.9E1	1.399	27438	11770	Sisma Y SLO	0	26.5	0	0	8.9E1	1.399
27439	11770	Sisma X SLD	22	0	0	0	8.9E1	1.399	27440	11770	Sisma Y SLD	0	22	0	0	8.9E1	1.399
27441	11771	Sisma X SLV	55.5	0	0	0	9.9E1	1.4	27442	11771	Sisma Y SLV	0	55.5	0	0	9.9E1	1.4
27443	11771	Sisma X SLO	29.6	0	0	0	9.9E1	1.4	27444	11771	Sisma Y SLO	0	29.6	0	0	9.9E1	1.4
27445	11771	Sisma X SLD	24.6	0	0	0	9.9E1	1.4	27446	11771	Sisma Y SLD	0	24.6	0	0	9.9E1	1.4
27447	11772	Sisma X SLV	51.1	0	0	0	9.1E1	1.4	27448	11772	Sisma Y SLV	0	51.1	0	0	9.1E1	1.4
27449	11772	Sisma X SLO	27.2	0	0	0	9.1E1	1.4	27450	11772	Sisma Y SLO	0	27.2	0	0	9.1E1	1.4
27451	11772	Sisma X SLD	22.6	0	0	0	9.1E1	1.4	27452	11772	Sisma Y SLD	0	22.6	0	0	9.1E1	1.4
27453	11773	Sisma X SLV	50	0	0	0	8.9E1	1.4	27454	11773	Sisma Y SLV	0	50	0	0	8.9E1	1.4
27455	11773	Sisma X SLO	26.7	0	0	0	8.9E1	1.4	27456	11773	Sisma Y SLO	0	26.7	0	0	8.9E1	1.4
27457	11773	Sisma X SLD	22.1	0	0	0	8.9E1	1.4	27458	11773	Sisma Y SLD	0	22.1	0	0	8.9E1	1.4
27459	11774	Sisma X SLV	51.8	0	0	0	9.3E1	1.4	27460	11774	Sisma Y SLV	0	51.8	0	0	9.3E1	1.4
27461	11774	Sisma X SLO	27.6	0	0	0	9.3E1	1.4	27462	11774	Sisma Y SLO	0	27.6	0	0	9.3E1	1.4
27463	11774	Sisma X SLD	22.9	0	0	0	9.3E1	1.4	27464	11774	Sisma Y SLD	0	22.9	0	0	9.3E1	1.4
27465	11775	Sisma X SLV	43	0	0	0	7.7E1	1.4	27466	11775	Sisma Y SLV	0	43	0	0	7.7E1	1.4
27467	11775	Sisma X SLO	22.9	0	0	0	7.7E1	1.4	27468	11775	Sisma Y SLO	0	22.9	0	0	7.7E1	1.4
27469	11775	Sisma X SLD	19	0	0	0	7.7E1	1.4	27470	11775	Sisma Y SLD	0	19	0	0	7.7E1	1.4
27471	11776	Sisma X SLV	54.2	0	0	0	9.7E1	1.4	27472	11776	Sisma Y SLV	0	54.2	0	0	9.7E1	1.4
27473	11776	Sisma X SLO	28.9	0	0	0	9.7E1	1.4	27474	11776	Sisma Y SLO	0	28.9	0	0	9.7E1	1.4
27475	11776	Sisma X SLD	24	0	0	0	9.7E1	1.4	27476	11776	Sisma Y SLD	0	24	0	0	9.7E1	1.4
27477	11777	Sisma X SLV	49.5	0	0	0	8.9E1	1.4	27478	11777	Sisma Y SLV	0	49.5	0	0	8.9E1	1.4
27479	11777	Sisma X SLO	26.4	0	0	0	8.9E1	1.4	27480	11777	Sisma Y SLO	0	26.4	0	0	8.9E1	1.4
27481	11777	Sisma X SLD	21.9	0	0	0	8.9E1	1.4	27482	11777	Sisma Y SLD	0	21.9	0	0	8.9E1	1.4
27483	11778	Sisma X SLV	47.2	0	0	0	8.4E1	1.4	27484	11778	Sisma Y SLV	0	47.2	0	0	8.4E1	1.4
27485	11778	Sisma X SLO	25.2	0	0	0	8.4E1	1.4	27486	11778	Sisma Y SLO	0	25.2	0	0	8.4E1	1.4
27487	11778	Sisma X SLD	20.9	0	0	0	8.4E1	1.4	27488	11778	Sisma Y SLD	0	20.9	0	0	8.4E1	1.4
27489	11779	Sisma X SLV	46	0	0	0	8.2E1	1.4	27490	11779	Sisma Y SLV	0	46	0	0	8.2E1	1.4
27491	11779	Sisma X SLO	24.5	0	0	0	8.2E1	1.4	27492	11779	Sisma Y SLO	0	24.5	0	0	8.2E1	1.4
27493	11779	Sisma X SLD	20.4	0	0	0	8.2E1	1.4	27494	11779	Sisma Y SLD	0	20.4	0	0	8.2E1	1.4
27495	11780	Sisma X SLV	37.6	0	0	0	67.24	1.4	27496	11780	Sisma Y SLV	0	37.6	0	0	67.24	1.4
27497	11780	Sisma X SLO	20.1	0	0	0	67.24	1.4	27498	11780	Sisma Y SLO	0	20.1	0	0	67.24	1.4
27499	11780	Sisma X SLD	16.7	0	0	0	67.24	1.4	27500	11780	Sisma Y SLD	0	16.7	0	0	67.24	1.4
27501	11781	Sisma X SLV	50.8	0	0	0	9.1E1	1.401	27502	11781	Sisma Y SLV	0	50.8	0	0	9.1E1	1.401
27503	11781	Sisma X SLO	27.1	0	0	0	9.1E1	1.401	27504	11781	Sisma Y SLO	0	27.1	0	0	9.1E1	1.401
27505	11781	Sisma X SLD	22.5	0	0	0	9.1E1	1.401	27506	11781	Sisma Y SLD	0	22.5	0	0	9.1E1	1.401
27507	11782	Sisma X SLV	53.9	0	0	0	9.6E1	1.402	27508	11782	Sisma Y SLV	0	53.9	0	0	9.6E1	1.402
27509	11782	Sisma X SLO	28.7	0	0	0	9.6E1	1.402	27510	11782	Sisma Y SLO	0	28.7	0	0	9.6E1	1.402
27511	11782	Sisma X SLD	23.8	0	0	0	9.6E1	1.402	27512	11782	Sisma Y SLD	0	23.8	0	0	9.6E1	1.402

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
27513	11783	Sisma X SLV	55.5	0	0	0	9.9E1	1.402	27514	11783	Sisma Y SLV	0	55.5	0	0	9.9E1	1.402
27515	11783	Sisma X SLO	29.6	0	0	0	9.9E1	1.402	27516	11783	Sisma Y SLO	0	29.6	0	0	9.9E1	1.402
27517	11783	Sisma X SLD	24.6	0	0	0	9.9E1	1.402	27518	11783	Sisma Y SLD	0	24.6	0	0	9.9E1	1.402
27519	11784	Sisma X SLV	46.6	0	0	0	8.3E1	1.402	27520	11784	Sisma Y SLV	0	46.6	0	0	8.3E1	1.402
27521	11784	Sisma X SLO	24.8	0	0	0	8.3E1	1.402	27522	11784	Sisma Y SLO	0	24.8	0	0	8.3E1	1.402
27523	11784	Sisma X SLD	20.6	0	0	0	8.3E1	1.402	27524	11784	Sisma Y SLD	0	20.6	0	0	8.3E1	1.402
27525	11785	Sisma X SLV	56.4	0	0	0	1.0E2	1.405	27526	11785	Sisma Y SLV	0	56.4	0	0	1.0E2	1.405
27527	11785	Sisma X SLO	30.1	0	0	0	1.0E2	1.405	27528	11785	Sisma Y SLO	0	30.1	0	0	1.0E2	1.405
27529	11785	Sisma X SLD	25	0	0	0	1.0E2	1.405	27530	11785	Sisma Y SLD	0	25	0	0	1.0E2	1.405
27531	11786	Sisma X SLV	44.1	0	0	0	7.9E1	1.406	27532	11786	Sisma Y SLV	0	44.1	0	0	7.9E1	1.406
27533	11786	Sisma X SLO	23.5	0	0	0	7.9E1	1.406	27534	11786	Sisma Y SLO	0	23.5	0	0	7.9E1	1.406
27535	11786	Sisma X SLD	19.5	0	0	0	7.9E1	1.406	27536	11786	Sisma Y SLD	0	19.5	0	0	7.9E1	1.406
27537	11787	Sisma X SLV	56.4	0	0	0	1.0E2	1.407	27538	11787	Sisma Y SLV	0	56.4	0	0	1.0E2	1.407
27539	11787	Sisma X SLO	30.1	0	0	0	1.0E2	1.407	27540	11787	Sisma Y SLO	0	30.1	0	0	1.0E2	1.407
27541	11787	Sisma X SLD	24.9	0	0	0	1.0E2	1.407	27542	11787	Sisma Y SLD	0	24.9	0	0	1.0E2	1.407
27543	11788	Sisma X SLV	30.2	0	0	0	5.4E1	1.407	27544	11788	Sisma Y SLV	0	30.2	0	0	5.4E1	1.407
27545	11788	Sisma X SLO	16.1	0	0	0	5.4E1	1.407	27546	11788	Sisma Y SLO	0	16.1	0	0	5.4E1	1.407
27547	11788	Sisma X SLD	13.4	0	0	0	5.4E1	1.407	27548	11788	Sisma Y SLD	0	13.4	0	0	5.4E1	1.407
27549	11789	Sisma X SLV	40.3	0	0	0	7.2E1	1.407	27550	11789	Sisma Y SLV	0	40.3	0	0	7.2E1	1.407
27551	11789	Sisma X SLO	21.5	0	0	0	7.2E1	1.407	27552	11789	Sisma Y SLO	0	21.5	0	0	7.2E1	1.407
27553	11789	Sisma X SLD	17.8	0	0	0	7.2E1	1.407	27554	11789	Sisma Y SLD	0	17.8	0	0	7.2E1	1.407
27555	11790	Sisma X SLV	62.2	0	0	0	1.1E2	1.408	27556	11790	Sisma Y SLV	0	62.2	0	0	1.1E2	1.408
27557	11790	Sisma X SLO	33.1	0	0	0	1.1E2	1.408	27558	11790	Sisma Y SLO	0	33.1	0	0	1.1E2	1.408
27559	11790	Sisma X SLD	27.5	0	0	0	1.1E2	1.408	27560	11790	Sisma Y SLD	0	27.5	0	0	1.1E2	1.408
27561	11791	Sisma X SLV	16.5	0	0	0	2.9E1	1.408	27562	11791	Sisma Y SLV	0	16.5	0	0	2.9E1	1.408
27563	11791	Sisma X SLO	8.8	0	0	0	2.9E1	1.408	27564	11791	Sisma Y SLO	0	8.8	0	0	2.9E1	1.408
27565	11791	Sisma X SLD	7.3	0	0	0	2.9E1	1.408	27566	11791	Sisma Y SLD	0	7.3	0	0	2.9E1	1.408
27567	11792	Sisma X SLV	50.5	0	0	0	89.73	1.409	27568	11792	Sisma Y SLV	0	50.5	0	0	89.73	1.409
27569	11792	Sisma X SLO	26.9	0	0	0	89.73	1.409	27570	11792	Sisma Y SLO	0	26.9	0	0	89.73	1.409
27571	11792	Sisma X SLD	22.4	0	0	0	89.73	1.409	27572	11792	Sisma Y SLD	0	22.4	0	0	89.73	1.409
27573	11793	Sisma X SLV	60.8	0	0	0	1.1E2	1.41	27574	11793	Sisma Y SLV	0	60.8	0	0	1.1E2	1.41
27575	11793	Sisma X SLO	32.4	0	0	0	1.1E2	1.41	27576	11793	Sisma Y SLO	0	32.4	0	0	1.1E2	1.41
27577	11793	Sisma X SLD	26.9	0	0	0	1.1E2	1.41	27578	11793	Sisma Y SLD	0	26.9	0	0	1.1E2	1.41
27579	11794	Sisma X SLV	76.1	0	0	0	1.4E2	1.41	27580	11794	Sisma Y SLV	0	76.1	0	0	1.4E2	1.41
27581	11794	Sisma X SLO	40.6	0	0	0	1.4E2	1.41	27582	11794	Sisma Y SLO	0	40.6	0	0	1.4E2	1.41
27583	11794	Sisma X SLD	33.7	0	0	0	1.4E2	1.41	27584	11794	Sisma Y SLD	0	33.7	0	0	1.4E2	1.41
27585	11795	Sisma X SLV	53.8	0	0	0	9.5E1	1.41	27586	11795	Sisma Y SLV	0	53.8	0	0	9.5E1	1.41
27587	11795	Sisma X SLO	28.7	0	0	0	9.5E1	1.41	27588	11795	Sisma Y SLO	0	28.7	0	0	9.5E1	1.41
27589	11795	Sisma X SLD	23.8	0	0	0	9.5E1	1.41	27590	11795	Sisma Y SLD	0	23.8	0	0	9.5E1	1.41
27591	11796	Sisma X SLV	16.8	0	0	0	29.84	1.41	27592	11796	Sisma Y SLV	0	16.8	0	0	29.84	1.41
27593	11796	Sisma X SLO	9	0	0	0	29.84	1.41	27594	11796	Sisma Y SLO	0	9	0	0	29.84	1.41
27595	11796	Sisma X SLD	7.4	0	0	0	29.84	1.41	27596	11796	Sisma Y SLD	0	7.4	0	0	29.84	1.41
27597	11797	Sisma X SLV	63.9	0	0	0	1.1E2	1.41	27598	11797	Sisma Y SLV	0	63.9	0	0	1.1E2	1.41
27599	11797	Sisma X SLO	34.1	0	0	0	1.1E2	1.41	27600	11797	Sisma Y SLO	0	34.1	0	0	1.1E2	1.41
27601	11797	Sisma X SLD	28.3	0	0	0	1.1E2	1.41	27602	11797	Sisma Y SLD	0	28.3	0	0	1.1E2	1.41
27603	11798	Sisma X SLV	18.2	0	0	0	3.2E1	1.411	27604	11798	Sisma Y SLV	0	18.2	0	0	3.2E1	1.411
27605	11798	Sisma X SLO	9.7	0	0	0	3.2E1	1.411	27606	11798	Sisma Y SLO	0	9.7	0	0	3.2E1	1.411
27607	11798	Sisma X SLD	8.1	0	0	0	3.2E1	1.411	27608	11798	Sisma Y SLD	0	8.1	0	0	3.2E1	1.411
27609	11799	Sisma X SLV	55.1	0	0	0	9.8E1	1.411	27610	11799	Sisma Y SLV	0	55.1	0	0	9.8E1	1.411
27611	11799	Sisma X SLO	29.4	0	0	0	9.8E1	1.411	27612	11799	Sisma Y SLO	0	29.4	0	0	9.8E1	1.411
27613	11799	Sisma X SLD	24.4	0	0	0	9.8E1	1.411	27614	11799	Sisma Y SLD	0	24.4	0	0	9.8E1	1.411
27615	11800	Sisma X SLV	47.8	0	0	0	8.5E1	1.412	27616	11800	Sisma Y SLV	0	47.8	0	0	8.5E1	1.412
27617	11800	Sisma X SLO	25.5	0	0	0	8.5E1	1.412	27618	11800	Sisma Y SLO	0	25.5	0	0	8.5E1	1.412
27619	11800	Sisma X SLD	21.1	0	0	0	8.5E1	1.412	27620	11800	Sisma Y SLD	0	21.1	0	0	8.5E1	1.412
27621	11801	Sisma X SLV	59.5	0	0	0	1.1E2	1.412	27622	11801	Sisma Y SLV	0	59.5	0	0	1.1E2	1.412
27623	11801	Sisma X SLO	31.7	0	0	0	1.1E2	1.412	27624	11801	Sisma Y SLO	0	31.7	0	0	1.1E2	1.412
27625	11801	Sisma X SLD	26.3	0	0	0	1.1E2	1.412	27626	11801	Sisma Y SLD	0	26.3	0	0	1.1E2	1.412
27627	11802	Sisma X SLV	73.5	0	0	0	1.3E2	1.412	27628	11802	Sisma Y SLV	0	73.5	0	0	1.3E2	1.412
27629	11802	Sisma X SLO	39.2	0	0	0	1.3E2	1.412	27630	11802	Sisma Y SLO	0	39.2	0	0	1.3E2	1.412
27631	11802	Sisma X SLD	32.5	0	0	0	1.3E2	1.412	27632	11802	Sisma Y SLD	0	32.5	0	0	1.3E2	1.412
27633	11803	Sisma X SLV	25.9	0	0	0	4.6E1	1.412	27634	11803	Sisma Y SLV	0	25.9	0	0	4.6E1	1.412
27635	11803	Sisma X SLO	13.8	0	0	0	4.6E1	1.412	27636	11803	Sisma Y SLO	0	13.8	0	0	4.6E1	1.412
27637	11803	Sisma X SLD	11.4	0	0	0	4.6E1	1.412	27638	11803	Sisma Y SLD	0	11.4	0	0	4.6E1	1.412
27639	11804	Sisma X SLV	51.7	0	0	0	9.2E1	1.412	27640	11804	Sisma Y SLV	0	51.7	0	0	9.2E1	1.412
27641	11804	Sisma X SLO	27.5	0	0	0	9.2E1	1.412	27642	11804	Sisma Y SLO	0	27.5	0	0	9.2E1	1.412
27643	11804	Sisma X SLD	22.9	0	0	0	9.2E1	1.412	27644	11804	Sisma Y SLD	0	22.9	0	0	9.2E1	1.412
27645	11805	Sisma X SLV	20.7	0	0	0	3.7E1	1.413	27646	11805	Sisma Y SLV	0	20.7	0	0	3.7E1	1.413
27647	11805	Sisma X SLO	11	0	0	0	3.7E1	1.413	27648	11805	Sisma Y SLO	0	11	0	0	3.7E1	1.413
27649	11805	Sisma X SLD	9.2	0	0	0	3.7E1	1.413	27650	11805	Sisma Y SLD	0	9.2	0	0	3.7E1	1.413
27651	11806	Sisma X SLV	71.8	0	0	0	1.3E2	1.413	27652	11806	Sisma Y SLV	0	71.8	0	0	1.3E2	1.413
27653	11806	Sisma X SLO	38.3	0	0	0	1.3E2	1.413	27654	11806	Sisma Y SLO	0	38.3	0	0	1.3E2	1.413
27655	11806	Sisma X SLD	31.8	0	0	0	1.3E2	1.413	27656	11806	Sisma Y SLD	0	31.8	0	0	1.3E2	1.413
27657	11807	Sisma X SLV	26.2	0	0	0	46.44	1.413	27658	11807	Sisma Y SLV	0	26.2	0	0	46.44	1.413
27659	11807	Sisma X SLO	14	0	0	0	46.44	1.413	27660	11807	Sisma Y SLO	0	14	0	0	46.44	1.413
27661	11807	Sisma X SLD	11.6	0	0	0	46.44	1.413	27662	11807	Sisma Y SLD	0	11.6	0	0	46.44	1.413
27663	11808	Sisma X SLV	21	0	0	0	3.7E1	1.413	27664	11808	Sisma Y SLV	0	21	0	0	3.7E1	1.413
27665	11808	Sisma X SLO	11.2	0	0	0	3.7E1	1.413	27666	11808	Sisma Y SLO	0	11.2	0	0	3.7E1	1.413
27667	11808	Sisma X SLD	9.3	0	0	0	3.7E1	1.413	27668	11808	Sisma Y SLD	0	9.3	0	0	3.7E1	1.413
27669	11809	Sisma X SLV	73.9	0	0	0	1.3E2	1.413	27670	11809	Sisma Y SLV	0	73.9	0	0	1.3E2	1.413
27671	11809	Sisma X SLO	39.4	0	0	0	1.3E2	1.413	27672	11809	Sisma Y SLO	0	39.4	0	0	1.3E2	1.413
27673	11809	Sisma X SLD	32.7	0	0	0	1.3E2	1.413	27674	11809	Sisma Y SLD	0	32.7	0	0	1.3E2	1.413
27675	11810	Sisma X SLV	29.6	0	0	0	5.2E1	1.415	27676	11810	Sisma Y SLV	0	29.6	0	0	5.2E1	1.415
27677	11810	Sisma X SLO	15.8	0	0	0	5.2E1	1.415	27678	11810	Sisma Y SLO	0	15.8	0	0	5.2E1	1.415
27679	11810	Sisma X SLD	13.1	0	0	0	5.2E1	1.415	27680	11810	Sisma Y SLD	0	13.1	0	0	5.2E1	1.415
27681	11811	Sisma X SLV	19	0	0	0	3.4E1	1.415	27682	11811	Sisma Y SLV	0	19	0	0	3.4E1	1.415
27683	11811	Sisma X SLO	10.1	0	0	0	3.4E1	1.415	27684	11811	Sisma Y SLO	0	10.1	0	0	3.4E1	1.415
27685	11811	Sisma X SLD	8.4	0	0	0	3.4E1	1.415	27686	11811	Sisma Y SLD	0	8.4	0	0	3.4E1	1.415
27687	11812	Sisma X SLV	57.1	0	0	0	1.0E2	1.415	27688	11812	Sisma Y SLV	0	57.1	0	0	1.0E2	1.415
27689	11812	Sisma X SLO	30.4	0	0	0	1.0E2	1.415	27690	11812	Sisma Y SLO	0	30.4	0	0	1.0E2	1.415
27691	11812	Sisma X SLD	25.3	0	0	0	1.0E2	1.415	27692	11812	Sisma Y SLD	0	25.3	0	0	1.0E2	1.415
27693	11813	Sisma X SLV	79.7	0	0	0	1.4E2	1.416	27694	11813	Sisma Y SLV	0	79.7	0	0	1.4E2	1.416
27695	11813	Sisma X SLO	42.5	0	0	0	1.4E2	1.416	27696	11813	Sisma Y SLO	0	42.5	0	0	1.4E2	1.416
27697	11813	Sisma X SLD	35.3	0	0	0	1.4E2	1.416	27698	11813	Sisma Y SLD	0	35.3	0	0	1.4E2	1.416
27699	11814	Sisma X SLV	26.1	0	0	0	4.6E1	1.416	27700	11814	Sisma Y SLV	0	26.1	0	0	4.6E1	1.416
27701	11814	Sisma X SLO	13.9	0	0	0	4.6E1	1.416	27702	11814	Sisma Y SLO	0	13.9	0	0	4.6E1	1.416
27703	11814	Sisma X SLD	11.5	0	0	0	4.6E1	1.416	27704	11814	Sisma Y SLD	0	11.5	0	0	4.6E1	1.416
27705	11815	Sisma X SLV	67	0	0	0	1.2E2	1.417	27706	11815	Sisma Y SLV	0	67	0	0	1.2E2	1.417
27707	11815	Sisma X SLO	35.7	0	0	0	1.2E2	1.417	27708	11815	Sisma Y SLO	0	35.7	0	0	1.2E2	1.417
27709	11815	Sisma X SLD	29.6	0	0	0	1.2E2	1.417	27710	11815	Sisma Y SLD	0	29.6	0	0	1.2E2	1.417
27711	11816	Sisma X SLV	72.6	0	0	0	1.3E2	1.417	27712	11816	Sisma Y SLV	0	72.6	0	0	1.3E2	1.417

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
27713	11816	Sisma X SLO	38.7	0	0	0	1.3E2	1.417	27714	11816	Sisma Y SLO	0	38.7	0	0	1.3E2	1.417
27715	11816	Sisma X SLD	32.1	0	0	0	1.3E2	1.417	27716	11816	Sisma Y SLD	0	32.1	0	0	1.3E2	1.417
27717	11817	Sisma X SLV	68.3	0	0	0	1.2E2	1.417	27718	11817	Sisma Y SLV	0	68.3	0	0	1.2E2	1.417
27719	11817	Sisma X SLO	36.4	0	0	0	1.2E2	1.417	27720	11817	Sisma Y SLO	0	36.4	0	0	1.2E2	1.417
27721	11817	Sisma X SLD	30.2	0	0	0	1.2E2	1.417	27722	11817	Sisma Y SLD	0	30.2	0	0	1.2E2	1.417
27723	11818	Sisma X SLV	23.4	0	0	0	4.1E1	1.418	27724	11818	Sisma Y SLV	0	23.4	0	0	4.1E1	1.418
27725	11818	Sisma X SLO	12.5	0	0	0	4.1E1	1.418	27726	11818	Sisma Y SLO	0	12.5	0	0	4.1E1	1.418
27727	11818	Sisma X SLD	10.4	0	0	0	4.1E1	1.418	27728	11818	Sisma Y SLD	0	10.4	0	0	4.1E1	1.418
27729	11819	Sisma X SLV	24.2	0	0	0	4.3E1	1.418	27730	11819	Sisma Y SLV	0	24.2	0	0	4.3E1	1.418
27731	11819	Sisma X SLO	12.9	0	0	0	4.3E1	1.418	27732	11819	Sisma Y SLO	0	12.9	0	0	4.3E1	1.418
27733	11819	Sisma X SLD	10.7	0	0	0	4.3E1	1.418	27734	11819	Sisma Y SLD	0	10.7	0	0	4.3E1	1.418
27735	11820	Sisma X SLV	27.6	0	0	0	4.9E1	1.418	27736	11820	Sisma Y SLV	0	27.6	0	0	4.9E1	1.418
27737	11820	Sisma X SLO	14.7	0	0	0	4.9E1	1.418	27738	11820	Sisma Y SLO	0	14.7	0	0	4.9E1	1.418
27739	11820	Sisma X SLD	12.2	0	0	0	4.9E1	1.418	27740	11820	Sisma Y SLD	0	12.2	0	0	4.9E1	1.418
27741	11821	Sisma X SLV	23.7	0	0	0	4.2E1	1.419	27742	11821	Sisma Y SLV	0	23.7	0	0	4.2E1	1.419
27743	11821	Sisma X SLO	12.6	0	0	0	4.2E1	1.419	27744	11821	Sisma Y SLO	0	12.6	0	0	4.2E1	1.419
27745	11821	Sisma X SLD	10.5	0	0	0	4.2E1	1.419	27746	11821	Sisma Y SLD	0	10.5	0	0	4.2E1	1.419
27747	11822	Sisma X SLV	79.8	0	0	0	1.4E2	1.419	27748	11822	Sisma Y SLV	0	79.8	0	0	1.4E2	1.419
27749	11822	Sisma X SLO	42.6	0	0	0	1.4E2	1.419	27750	11822	Sisma Y SLO	0	42.6	0	0	1.4E2	1.419
27751	11822	Sisma X SLD	35.3	0	0	0	1.4E2	1.419	27752	11822	Sisma Y SLD	0	35.3	0	0	1.4E2	1.419
27753	11823	Sisma X SLV	26.5	0	0	0	4.7E1	1.419	27754	11823	Sisma Y SLV	0	26.5	0	0	4.7E1	1.419
27755	11823	Sisma X SLO	14.2	0	0	0	4.7E1	1.419	27756	11823	Sisma Y SLO	0	14.2	0	0	4.7E1	1.419
27757	11823	Sisma X SLD	11.7	0	0	0	4.7E1	1.419	27758	11823	Sisma Y SLD	0	11.7	0	0	4.7E1	1.419
27759	11824	Sisma X SLV	45.8	0	0	0	8.1E1	1.419	27760	11824	Sisma Y SLV	0	45.8	0	0	8.1E1	1.419
27761	11824	Sisma X SLO	24.4	0	0	0	8.1E1	1.419	27762	11824	Sisma Y SLO	0	24.4	0	0	8.1E1	1.419
27763	11824	Sisma X SLD	20.3	0	0	0	8.1E1	1.419	27764	11824	Sisma Y SLD	0	20.3	0	0	8.1E1	1.419
27765	11825	Sisma X SLV	21.9	0	0	0	38.67	1.42	27766	11825	Sisma Y SLV	0	21.9	0	0	38.67	1.42
27767	11825	Sisma X SLO	11.7	0	0	0	38.67	1.42	27768	11825	Sisma Y SLO	0	11.7	0	0	38.67	1.42
27769	11825	Sisma X SLD	9.7	0	0	0	38.67	1.42	27770	11825	Sisma Y SLD	0	9.7	0	0	38.67	1.42
27771	11826	Sisma X SLV	21.1	0	0	0	3.7E1	1.42	27772	11826	Sisma Y SLV	0	21.1	0	0	3.7E1	1.42
27773	11826	Sisma X SLO	11.2	0	0	0	3.7E1	1.42	27774	11826	Sisma Y SLO	0	11.2	0	0	3.7E1	1.42
27775	11826	Sisma X SLD	9.3	0	0	0	3.7E1	1.42	27776	11826	Sisma Y SLD	0	9.3	0	0	3.7E1	1.42
27777	11827	Sisma X SLV	55.3	0	0	0	9.7E1	1.42	27778	11827	Sisma Y SLV	0	55.3	0	0	9.7E1	1.42
27779	11827	Sisma X SLO	29.5	0	0	0	9.7E1	1.42	27780	11827	Sisma Y SLO	0	29.5	0	0	9.7E1	1.42
27781	11827	Sisma X SLD	24.5	0	0	0	9.7E1	1.42	27782	11827	Sisma Y SLD	0	24.5	0	0	9.7E1	1.42
27783	11828	Sisma X SLV	66.5	0	0	0	1.2E2	1.421	27784	11828	Sisma Y SLV	0	66.5	0	0	1.2E2	1.421
27785	11828	Sisma X SLO	35.5	0	0	0	1.2E2	1.421	27786	11828	Sisma Y SLO	0	35.5	0	0	1.2E2	1.421
27787	11828	Sisma X SLD	29.4	0	0	0	1.2E2	1.421	27788	11828	Sisma Y SLD	0	29.4	0	0	1.2E2	1.421
27789	11829	Sisma X SLV	78	0	0	0	1.4E2	1.422	27790	11829	Sisma Y SLV	0	78	0	0	1.4E2	1.422
27791	11829	Sisma X SLO	41.6	0	0	0	1.4E2	1.422	27792	11829	Sisma Y SLO	0	41.6	0	0	1.4E2	1.422
27793	11829	Sisma X SLD	34.5	0	0	0	1.4E2	1.422	27794	11829	Sisma Y SLD	0	34.5	0	0	1.4E2	1.422
27795	11830	Sisma X SLV	74.3	0	0	0	1.3E2	1.422	27796	11830	Sisma Y SLV	0	74.3	0	0	1.3E2	1.422
27797	11830	Sisma X SLO	39.6	0	0	0	1.3E2	1.422	27798	11830	Sisma Y SLO	0	39.6	0	0	1.3E2	1.422
27799	11830	Sisma X SLD	32.9	0	0	0	1.3E2	1.422	27800	11830	Sisma Y SLD	0	32.9	0	0	1.3E2	1.422
27801	11831	Sisma X SLV	32.3	0	0	0	5.7E1	1.422	27802	11831	Sisma Y SLV	0	32.3	0	0	5.7E1	1.422
27803	11831	Sisma X SLO	17.2	0	0	0	5.7E1	1.422	27804	11831	Sisma Y SLO	0	17.2	0	0	5.7E1	1.422
27805	11831	Sisma X SLD	14.3	0	0	0	5.7E1	1.422	27806	11831	Sisma Y SLD	0	14.3	0	0	5.7E1	1.422
27807	11832	Sisma X SLV	28.8	0	0	0	5.1E1	1.423	27808	11832	Sisma Y SLV	0	28.8	0	0	5.1E1	1.423
27809	11832	Sisma X SLO	15.4	0	0	0	5.1E1	1.423	27810	11832	Sisma Y SLO	0	15.4	0	0	5.1E1	1.423
27811	11832	Sisma X SLD	12.8	0	0	0	5.1E1	1.423	27812	11832	Sisma Y SLD	0	12.8	0	0	5.1E1	1.423
27813	11833	Sisma X SLV	20.4	0	0	0	3.6E1	1.423	27814	11833	Sisma Y SLV	0	20.4	0	0	3.6E1	1.423
27815	11833	Sisma X SLO	10.9	0	0	0	3.6E1	1.423	27816	11833	Sisma Y SLO	0	10.9	0	0	3.6E1	1.423
27817	11833	Sisma X SLD	9	0	0	0	3.6E1	1.423	27818	11833	Sisma Y SLD	0	9	0	0	3.6E1	1.423
27819	11834	Sisma X SLV	65.2	0	0	0	1.1E2	1.423	27820	11834	Sisma Y SLV	0	65.2	0	0	1.1E2	1.423
27821	11834	Sisma X SLO	34.7	0	0	0	1.1E2	1.423	27822	11834	Sisma Y SLO	0	34.7	0	0	1.1E2	1.423
27823	11834	Sisma X SLD	28.8	0	0	0	1.1E2	1.423	27824	11834	Sisma Y SLD	0	28.8	0	0	1.1E2	1.423
27825	11835	Sisma X SLV	20.5	0	0	0	3.6E1	1.423	27826	11835	Sisma Y SLV	0	20.5	0	0	3.6E1	1.423
27827	11835	Sisma X SLO	10.9	0	0	0	3.6E1	1.423	27828	11835	Sisma Y SLO	0	10.9	0	0	3.6E1	1.423
27829	11835	Sisma X SLD	9.1	0	0	0	3.6E1	1.423	27830	11835	Sisma Y SLD	0	9.1	0	0	3.6E1	1.423
27831	11836	Sisma X SLV	21.6	0	0	0	3.8E1	1.423	27832	11836	Sisma Y SLV	0	21.6	0	0	3.8E1	1.423
27833	11836	Sisma X SLO	11.5	0	0	0	3.8E1	1.423	27834	11836	Sisma Y SLO	0	11.5	0	0	3.8E1	1.423
27835	11836	Sisma X SLD	9.6	0	0	0	3.8E1	1.423	27836	11836	Sisma Y SLD	0	9.6	0	0	3.8E1	1.423
27837	11837	Sisma X SLV	49.7	0	0	0	8.7E1	1.423	27838	11837	Sisma Y SLV	0	49.7	0	0	8.7E1	1.423
27839	11837	Sisma X SLO	26.5	0	0	0	8.7E1	1.423	27840	11837	Sisma Y SLO	0	26.5	0	0	8.7E1	1.423
27841	11837	Sisma X SLD	22	0	0	0	8.7E1	1.423	27842	11837	Sisma Y SLD	0	22	0	0	8.7E1	1.423
27843	11838	Sisma X SLV	72.1	0	0	0	1.3E2	1.423	27844	11838	Sisma Y SLV	0	72.1	0	0	1.3E2	1.423
27845	11838	Sisma X SLO	38.4	0	0	0	1.3E2	1.423	27846	11838	Sisma Y SLO	0	38.4	0	0	1.3E2	1.423
27847	11838	Sisma X SLD	31.9	0	0	0	1.3E2	1.423	27848	11838	Sisma Y SLD	0	31.9	0	0	1.3E2	1.423
27849	11839	Sisma X SLV	52.5	0	0	0	9.2E1	1.424	27850	11839	Sisma Y SLV	0	52.5	0	0	9.2E1	1.424
27851	11839	Sisma X SLO	28	0	0	0	9.2E1	1.424	27852	11839	Sisma Y SLO	0	28	0	0	9.2E1	1.424
27853	11839	Sisma X SLD	23.2	0	0	0	9.2E1	1.424	27854	11839	Sisma Y SLD	0	23.2	0	0	9.2E1	1.424
27855	11840	Sisma X SLV	31.5	0	0	0	5.5E1	1.424	27856	11840	Sisma Y SLV	0	31.5	0	0	5.5E1	1.424
27857	11840	Sisma X SLO	16.8	0	0	0	5.5E1	1.424	27858	11840	Sisma Y SLO	0	16.8	0	0	5.5E1	1.424
27859	11840	Sisma X SLD	13.9	0	0	0	5.5E1	1.424	27860	11840	Sisma Y SLD	0	13.9	0	0	5.5E1	1.424
27861	11841	Sisma X SLV	79.5	0	0	0	1.4E2	1.424	27862	11841	Sisma Y SLV	0	79.5	0	0	1.4E2	1.424
27863	11841	Sisma X SLO	42.4	0	0	0	1.4E2	1.424	27864	11841	Sisma Y SLO	0	42.4	0	0	1.4E2	1.424
27865	11841	Sisma X SLD	35.2	0	0	0	1.4E2	1.424	27866	11841	Sisma Y SLD	0	35.2	0	0	1.4E2	1.424
27867	11842	Sisma X SLV	23.3	0	0	0	4.1E1	1.425	27868	11842	Sisma Y SLV	0	23.3	0	0	4.1E1	1.425
27869	11842	Sisma X SLO	12.4	0	0	0	4.1E1	1.425	27870	11842	Sisma Y SLO	0	12.4	0	0	4.1E1	1.425
27871	11842	Sisma X SLD	10.3	0	0	0	4.1E1	1.425	27872	11842	Sisma Y SLD	0	10.3	0	0	4.1E1	1.425
27873	11843	Sisma X SLV	51.6	0	0	0	9.1E1	1.425	27874	11843	Sisma Y SLV	0	51.6	0	0	9.1E1	1.425
27875	11843	Sisma X SLO	27.5	0	0	0	9.1E1	1.425	27876	11843	Sisma Y SLO	0	27.5	0	0	9.1E1	1.425
27877	11843	Sisma X SLD	22.8	0	0	0	9.1E1	1.425	27878	11843	Sisma Y SLD	0	22.8	0	0	9.1E1	1.425
27879	11844	Sisma X SLV	79.9	0	0	0	1.4E2	1.425	27880	11844	Sisma Y SLV	0	79.9	0	0	1.4E2	1.425
27881	11844	Sisma X SLO	42.6	0	0	0	1.4E2	1.425	27882	11844	Sisma Y SLO	0	42.6	0	0	1.4E2	1.425
27883	11844	Sisma X SLD	35.4	0	0	0	1.4E2	1.425	27884	11844	Sisma Y SLD	0	35.4	0	0	1.4E2	1.425
27885	11845	Sisma X SLV	25.2	0	0	0	44.22	1.425	27886	11845	Sisma Y SLV	0	25.2	0	0	44.22	1.425
27887	11845	Sisma X SLO	13.4	0	0	0	44.22	1.425	27888	11845	Sisma Y SLO	0	13.4	0	0	44.22	1.425
27889	11845	Sisma X SLD	11.1	0	0	0	44.22	1.425	27890	11845	Sisma Y SLD	0	11.1	0	0	44.22	1.425
27891	11846	Sisma X SLV	38.1	0	0	0	6.7E1	1.425	27892	11846	Sisma Y SLV	0	38.1	0	0	6.7E1	1.425
27893	11846	Sisma X SLO	20.3	0	0	0	6.7E1	1.425	27894	11846	Sisma Y SLO	0	20.3	0	0	6.7E1	1.425
27895	11846	Sisma X SLD	16.8	0	0	0	6.7E1	1.425	27896	11846	Sisma Y SLD	0	16.8	0	0	6.7E1	1.425
27897	11847	Sisma X SLV	28.2	0	0	0	5.0E1	1.425	27898	11847	Sisma Y SLV	0	28.2	0	0	5.0E1	1.425
27899	11847	Sisma X SLO	15	0	0	0	5.0E1	1.425	27900	11847	Sisma Y SLO	0	15	0	0	5.0E1	1.425
27901	11847	Sisma X SLD	12.5	0	0	0	5.0E1	1.425	27902	11847	Sisma Y SLD	0	12.5	0	0	5.0E1	1.425
27903	11848	Sisma X SLV	81.6	0	0	0	143.3	1.425	27904	11848	Sisma Y SLV	0	81.6	0	0	143.3	1.425
27905	11848	Sisma X SLO	43.5	0	0	0	143.3	1.425	27906	11848	Sisma Y SLO	0	43.5	0	0	143.3	1.425
27907	11848	Sisma X SLD	36.1	0	0	0	143.3	1.425	27908	11848	Sisma Y SLD	0	36.1	0	0	143.3	1.425
27909	11849	Sisma X SLV	33.4	0	0	0	5.9E1	1.426	27910	11849	Sisma Y SLV	0	33.4	0	0	5.9E1	1.426
27911	11849	Sisma X SLO	17.8	0	0	0	5.9E1	1.426	27912	11849	Sisma Y SLO	0	17.8	0	0	5.9E1	1.426

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
27913	11849	Sisma X SLD	14.8	0	0	0	5.9E1	1.426	27914	11849	Sisma Y SLD	0	14.8	0	0	5.9E1	1.426
27915	11850	Sisma X SLV	57	0	0	0	1.0E2	1.426	27916	11850	Sisma Y SLV	0	57	0	0	1.0E2	1.426
27917	11850	Sisma X SLO	30.4	0	0	0	1.0E2	1.426	27918	11850	Sisma Y SLO	0	30.4	0	0	1.0E2	1.426
27919	11850	Sisma X SLD	25.2	0	0	0	1.0E2	1.426	27920	11850	Sisma Y SLD	0	25.2	0	0	1.0E2	1.426
27921	11851	Sisma X SLV	19.8	0	0	0	3.5E1	1.426	27922	11851	Sisma Y SLV	0	19.8	0	0	3.5E1	1.426
27923	11851	Sisma X SLO	10.6	0	0	0	3.5E1	1.426	27924	11851	Sisma Y SLO	0	10.6	0	0	3.5E1	1.426
27925	11851	Sisma X SLD	8.8	0	0	0	3.5E1	1.426	27926	11851	Sisma Y SLD	0	8.8	0	0	3.5E1	1.426
27927	11852	Sisma X SLV	53.4	0	0	0	9.4E1	1.427	27928	11852	Sisma Y SLV	0	53.4	0	0	9.4E1	1.427
27929	11852	Sisma X SLO	28.5	0	0	0	9.4E1	1.427	27930	11852	Sisma Y SLO	0	28.5	0	0	9.4E1	1.427
27931	11852	Sisma X SLD	23.6	0	0	0	9.4E1	1.427	27932	11852	Sisma Y SLD	0	23.6	0	0	9.4E1	1.427
27933	11853	Sisma X SLV	59.4	0	0	0	1.0E2	1.427	27934	11853	Sisma Y SLV	0	59.4	0	0	1.0E2	1.427
27935	11853	Sisma X SLO	31.7	0	0	0	1.0E2	1.427	27936	11853	Sisma Y SLO	0	31.7	0	0	1.0E2	1.427
27937	11853	Sisma X SLD	26.3	0	0	0	1.0E2	1.427	27938	11853	Sisma Y SLD	0	26.3	0	0	1.0E2	1.427
27939	11854	Sisma X SLV	49.5	0	0	0	8.7E1	1.428	27940	11854	Sisma Y SLV	0	49.5	0	0	8.7E1	1.428
27941	11854	Sisma X SLO	26.4	0	0	0	8.7E1	1.428	27942	11854	Sisma Y SLO	0	26.4	0	0	8.7E1	1.428
27943	11854	Sisma X SLD	21.9	0	0	0	8.7E1	1.428	27944	11854	Sisma Y SLD	0	21.9	0	0	8.7E1	1.428
27945	11855	Sisma X SLV	50.2	0	0	0	8.8E1	1.429	27946	11855	Sisma Y SLV	0	50.2	0	0	8.8E1	1.429
27947	11855	Sisma X SLO	26.8	0	0	0	8.8E1	1.429	27948	11855	Sisma Y SLO	0	26.8	0	0	8.8E1	1.429
27949	11855	Sisma X SLD	22.2	0	0	0	8.8E1	1.429	27950	11855	Sisma Y SLD	0	22.2	0	0	8.8E1	1.429
27951	11856	Sisma X SLV	30.5	0	0	0	5.3E1	1.429	27952	11856	Sisma Y SLV	0	30.5	0	0	5.3E1	1.429
27953	11856	Sisma X SLO	16.3	0	0	0	5.3E1	1.429	27954	11856	Sisma Y SLO	0	16.3	0	0	5.3E1	1.429
27955	11856	Sisma X SLD	13.5	0	0	0	5.3E1	1.429	27956	11856	Sisma Y SLD	0	13.5	0	0	5.3E1	1.429
27957	11857	Sisma X SLV	31.9	0	0	0	5.6E1	1.429	27958	11857	Sisma Y SLV	0	31.9	0	0	5.6E1	1.429
27959	11857	Sisma X SLO	17	0	0	0	5.6E1	1.429	27960	11857	Sisma Y SLO	0	17	0	0	5.6E1	1.429
27961	11857	Sisma X SLD	14.1	0	0	0	5.6E1	1.429	27962	11857	Sisma Y SLD	0	14.1	0	0	5.6E1	1.429
27963	11858	Sisma X SLV	40.7	0	0	0	7.1E1	1.429	27964	11858	Sisma Y SLV	0	40.7	0	0	7.1E1	1.429
27965	11858	Sisma X SLO	21.7	0	0	0	7.1E1	1.429	27966	11858	Sisma Y SLO	0	21.7	0	0	7.1E1	1.429
27967	11858	Sisma X SLD	18	0	0	0	7.1E1	1.429	27968	11858	Sisma Y SLD	0	18	0	0	7.1E1	1.429
27969	11859	Sisma X SLV	26.3	0	0	0	4.6E1	1.43	27970	11859	Sisma Y SLV	0	26.3	0	0	4.6E1	1.43
27971	11859	Sisma X SLO	14	0	0	0	4.6E1	1.43	27972	11859	Sisma Y SLO	0	14	0	0	4.6E1	1.43
27973	11859	Sisma X SLD	11.6	0	0	0	4.6E1	1.43	27974	11859	Sisma Y SLD	0	11.6	0	0	4.6E1	1.43
27975	11860	Sisma X SLV	27.4	0	0	0	4.8E1	1.431	27976	11860	Sisma Y SLV	0	27.4	0	0	4.8E1	1.431
27977	11860	Sisma X SLO	14.6	0	0	0	4.8E1	1.431	27978	11860	Sisma Y SLO	0	14.6	0	0	4.8E1	1.431
27979	11860	Sisma X SLD	12.1	0	0	0	4.8E1	1.431	27980	11860	Sisma Y SLD	0	12.1	0	0	4.8E1	1.431
27981	11861	Sisma X SLV	59.5	0	0	0	1.0E2	1.432	27982	11861	Sisma Y SLV	0	59.5	0	0	1.0E2	1.432
27983	11861	Sisma X SLO	31.7	0	0	0	1.0E2	1.432	27984	11861	Sisma Y SLO	0	31.7	0	0	1.0E2	1.432
27985	11861	Sisma X SLD	26.3	0	0	0	1.0E2	1.432	27986	11861	Sisma Y SLD	0	26.3	0	0	1.0E2	1.432
27987	11862	Sisma X SLV	39	0	0	0	68.21	1.432	27988	11862	Sisma Y SLV	0	39	0	0	68.21	1.432
27989	11862	Sisma X SLO	20.8	0	0	0	68.21	1.432	27990	11862	Sisma Y SLO	0	20.8	0	0	68.21	1.432
27991	11862	Sisma X SLD	17.3	0	0	0	68.21	1.432	27992	11862	Sisma Y SLD	0	17.3	0	0	68.21	1.432
27993	11863	Sisma X SLV	20.5	0	0	0	3.6E1	1.432	27994	11863	Sisma Y SLV	0	20.5	0	0	3.6E1	1.432
27995	11863	Sisma X SLO	10.9	0	0	0	3.6E1	1.432	27996	11863	Sisma Y SLO	0	10.9	0	0	3.6E1	1.432
27997	11863	Sisma X SLD	9.1	0	0	0	3.6E1	1.432	27998	11863	Sisma Y SLD	0	9.1	0	0	3.6E1	1.432
27999	11864	Sisma X SLV	33.4	0	0	0	5.8E1	1.433	28000	11864	Sisma Y SLV	0	33.4	0	0	5.8E1	1.433
28001	11864	Sisma X SLO	17.8	0	0	0	5.8E1	1.433	28002	11864	Sisma Y SLO	0	17.8	0	0	5.8E1	1.433
28003	11864	Sisma X SLD	14.8	0	0	0	5.8E1	1.433	28004	11864	Sisma Y SLD	0	14.8	0	0	5.8E1	1.433
28005	11865	Sisma X SLV	55.6	0	0	0	9.7E1	1.433	28006	11865	Sisma Y SLV	0	55.6	0	0	9.7E1	1.433
28007	11865	Sisma X SLO	29.7	0	0	0	9.7E1	1.433	28008	11865	Sisma Y SLO	0	29.7	0	0	9.7E1	1.433
28009	11865	Sisma X SLD	24.6	0	0	0	9.7E1	1.433	28010	11865	Sisma Y SLD	0	24.6	0	0	9.7E1	1.433
28011	11866	Sisma X SLV	36.2	0	0	0	6.3E1	1.433	28012	11866	Sisma Y SLV	0	36.2	0	0	6.3E1	1.433
28013	11866	Sisma X SLO	19.3	0	0	0	6.3E1	1.433	28014	11866	Sisma Y SLO	0	19.3	0	0	6.3E1	1.433
28015	11866	Sisma X SLD	16	0	0	0	6.3E1	1.433	28016	11866	Sisma Y SLD	0	16	0	0	6.3E1	1.433
28017	11867	Sisma X SLV	63	0	0	0	1.1E2	1.433	28018	11867	Sisma Y SLV	0	63	0	0	1.1E2	1.433
28019	11867	Sisma X SLO	33.6	0	0	0	1.1E2	1.433	28020	11867	Sisma Y SLO	0	33.6	0	0	1.1E2	1.433
28021	11867	Sisma X SLD	27.9	0	0	0	1.1E2	1.433	28022	11867	Sisma Y SLD	0	27.9	0	0	1.1E2	1.433
28023	11868	Sisma X SLV	56.9	0	0	0	9.9E1	1.433	28024	11868	Sisma Y SLV	0	56.9	0	0	9.9E1	1.433
28025	11868	Sisma X SLO	30.4	0	0	0	9.9E1	1.433	28026	11868	Sisma Y SLO	0	30.4	0	0	9.9E1	1.433
28027	11868	Sisma X SLD	25.2	0	0	0	9.9E1	1.433	28028	11868	Sisma Y SLD	0	25.2	0	0	9.9E1	1.433
28029	11869	Sisma X SLV	33.2	0	0	0	5.8E1	1.433	28030	11869	Sisma Y SLV	0	33.2	0	0	5.8E1	1.433
28031	11869	Sisma X SLO	17.7	0	0	0	5.8E1	1.433	28032	11869	Sisma Y SLO	0	17.7	0	0	5.8E1	1.433
28033	11869	Sisma X SLD	14.7	0	0	0	5.8E1	1.433	28034	11869	Sisma Y SLD	0	14.7	0	0	5.8E1	1.433
28035	11870	Sisma X SLV	40.6	0	0	0	7.1E1	1.434	28036	11870	Sisma Y SLV	0	40.6	0	0	7.1E1	1.434
28037	11870	Sisma X SLO	21.7	0	0	0	7.1E1	1.434	28038	11870	Sisma Y SLO	0	21.7	0	0	7.1E1	1.434
28039	11870	Sisma X SLD	18	0	0	0	7.1E1	1.434	28040	11870	Sisma Y SLD	0	18	0	0	7.1E1	1.434
28041	11871	Sisma X SLV	26.4	0	0	0	4.6E1	1.434	28042	11871	Sisma Y SLV	0	26.4	0	0	4.6E1	1.434
28043	11871	Sisma X SLO	14.1	0	0	0	4.6E1	1.434	28044	11871	Sisma Y SLO	0	14.1	0	0	4.6E1	1.434
28045	11871	Sisma X SLD	11.7	0	0	0	4.6E1	1.434	28046	11871	Sisma Y SLD	0	11.7	0	0	4.6E1	1.434
28047	11872	Sisma X SLV	62.8	0	0	0	1.1E2	1.435	28048	11872	Sisma Y SLV	0	62.8	0	0	1.1E2	1.435
28049	11872	Sisma X SLO	33.5	0	0	0	1.1E2	1.435	28050	11872	Sisma Y SLO	0	33.5	0	0	1.1E2	1.435
28051	11872	Sisma X SLD	27.8	0	0	0	1.1E2	1.435	28052	11872	Sisma Y SLD	0	27.8	0	0	1.1E2	1.435
28053	11873	Sisma X SLV	59.1	0	0	0	1.0E2	1.435	28054	11873	Sisma Y SLV	0	59.1	0	0	1.0E2	1.435
28055	11873	Sisma X SLO	31.5	0	0	0	1.0E2	1.435	28056	11873	Sisma Y SLO	0	31.5	0	0	1.0E2	1.435
28057	11873	Sisma X SLD	26.1	0	0	0	1.0E2	1.435	28058	11873	Sisma Y SLD	0	26.1	0	0	1.0E2	1.435
28059	11874	Sisma X SLV	55.8	0	0	0	9.7E1	1.435	28060	11874	Sisma Y SLV	0	55.8	0	0	9.7E1	1.435
28061	11874	Sisma X SLO	29.8	0	0	0	9.7E1	1.435	28062	11874	Sisma Y SLO	0	29.8	0	0	9.7E1	1.435
28063	11874	Sisma X SLD	24.7	0	0	0	9.7E1	1.435	28064	11874	Sisma Y SLD	0	24.7	0	0	9.7E1	1.435
28065	11875	Sisma X SLV	38.4	0	0	0	6.7E1	1.436	28066	11875	Sisma Y SLV	0	38.4	0	0	6.7E1	1.436
28067	11875	Sisma X SLO	20.5	0	0	0	6.7E1	1.436	28068	11875	Sisma Y SLO	0	20.5	0	0	6.7E1	1.436
28069	11875	Sisma X SLD	17	0	0	0	6.7E1	1.436	28070	11875	Sisma Y SLD	0	17	0	0	6.7E1	1.436
28071	11876	Sisma X SLV	53.4	0	0	0	9.3E1	1.438	28072	11876	Sisma Y SLV	0	53.4	0	0	9.3E1	1.438
28073	11876	Sisma X SLO	28.5	0	0	0	9.3E1	1.438	28074	11876	Sisma Y SLO	0	28.5	0	0	9.3E1	1.438
28075	11876	Sisma X SLD	23.6	0	0	0	9.3E1	1.438	28076	11876	Sisma Y SLD	0	23.6	0	0	9.3E1	1.438
28077	11877	Sisma X SLV	58.7	0	0	0	1.0E2	1.439	28078	11877	Sisma Y SLV	0	58.7	0	0	1.0E2	1.439
28079	11877	Sisma X SLO	31.3	0	0	0	1.0E2	1.439	28080	11877	Sisma Y SLO	0	31.3	0	0	1.0E2	1.439
28081	11877	Sisma X SLD	26	0	0	0	1.0E2	1.439	28082	11877	Sisma Y SLD	0	26	0	0	1.0E2	1.439
28083	11878	Sisma X SLV	61.2	0	0	0	1.1E2	1.439	28084	11878	Sisma Y SLV	0	61.2	0	0	1.1E2	1.439
28085	11878	Sisma X SLO	32.6	0	0	0	1.1E2	1.439	28086	11878	Sisma Y SLO	0	32.6	0	0	1.1E2	1.439
28087	11878	Sisma X SLD	27.1	0	0	0	1.1E2	1.439	28088	11878	Sisma Y SLD	0	27.1	0	0	1.1E2	1.439
28089	11879	Sisma X SLV	30.5	0	0	0	5.3E1	1.439	28090	11879	Sisma Y SLV	0	30.5	0	0	5.3E1	1.439
28091	11879	Sisma X SLO	16.3	0	0	0	5.3E1	1.439	28092	11879	Sisma Y SLO	0	16.3	0	0	5.3E1	1.439
28093	11879	Sisma X SLD	13.5	0	0	0	5.3E1	1.439	28094	11879	Sisma Y SLD	0	13.5	0	0	5.3E1	1.439
28095	11880	Sisma X SLV	45.5	0	0	0	7.9E1	1.44	28096	11880	Sisma Y SLV	0	45.5	0	0	7.9E1	1.44
28097	11880	Sisma X SLO	24.2	0	0	0	7.9E1	1.44	28098	11880	Sisma Y SLO	0	24.2	0	0	7.9E1	1.44
28099	11880	Sisma X SLD	20.1	0	0	0	7.9E1	1.44	28100	11880	Sisma Y SLD	0	20.1	0	0	7.9E1	1.44
28101	11881	Sisma X SLV	48.7	0	0	0	8.5E1	1.44	28102	11881	Sisma Y SLV	0	48.7	0	0	8.5E1	1.44
28103	11881	Sisma X SLO	26	0	0	0	8.5E1	1.44	28104	11881	Sisma Y SLO	0	26	0	0	8.5E1	1.44
28105	11881	Sisma X SLD	21.6	0	0	0	8.5E1	1.44	28106	11881	Sisma Y SLD	0	21.6	0	0	8.5E1	1.44
28107	11882	Sisma X SLV	28.9	0	0	0	5.0E1	1.441	28108	11882	Sisma Y SLV	0	28.9	0	0	5.0E1	1.441
28109	11882	Sisma X SLO	15.4	0	0	0	5.0E1	1.441	28110	11882	Sisma Y SLO	0	15.4	0	0	5.0E1	1.441
28111	11882	Sisma X SLD	12.8	0	0	0	5.0E1	1.441	28112	11882	Sisma Y SLD	0	12.8	0	0	5.0E1	1.441

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
28113	11883	Sisma X SLV	33.9	0	0	0	5.9E1	1.441	28114	11883	Sisma Y SLV	0	33.9	0	0	5.9E1	1.441
28115	11883	Sisma X SLO	18.1	0	0	0	5.9E1	1.441	28116	11883	Sisma Y SLO	0	18.1	0	0	5.9E1	1.441
28117	11883	Sisma X SLD	15	0	0	0	5.9E1	1.441	28118	11883	Sisma Y SLD	0	15	0	0	5.9E1	1.441
28119	11884	Sisma X SLV	78.6	0	0	0	1.4E2	1.441	28120	11884	Sisma Y SLV	0	78.6	0	0	1.4E2	1.441
28121	11884	Sisma X SLO	41.9	0	0	0	1.4E2	1.441	28122	11884	Sisma Y SLO	0	41.9	0	0	1.4E2	1.441
28123	11884	Sisma X SLD	34.8	0	0	0	1.4E2	1.441	28124	11884	Sisma Y SLD	0	34.8	0	0	1.4E2	1.441
28125	11885	Sisma X SLV	60.3	0	0	0	1.0E2	1.442	28126	11885	Sisma Y SLV	0	60.3	0	0	1.0E2	1.442
28127	11885	Sisma X SLO	32.2	0	0	0	1.0E2	1.442	28128	11885	Sisma Y SLO	0	32.2	0	0	1.0E2	1.442
28129	11885	Sisma X SLD	26.7	0	0	0	1.0E2	1.442	28130	11885	Sisma Y SLD	0	26.7	0	0	1.0E2	1.442
28131	11886	Sisma X SLV	39	0	0	0	6.8E1	1.442	28132	11886	Sisma Y SLV	0	39	0	0	6.8E1	1.442
28133	11886	Sisma X SLO	20.8	0	0	0	6.8E1	1.442	28134	11886	Sisma Y SLO	0	20.8	0	0	6.8E1	1.442
28135	11886	Sisma X SLD	17.3	0	0	0	6.8E1	1.442	28136	11886	Sisma Y SLD	0	17.3	0	0	6.8E1	1.442
28137	11887	Sisma X SLV	61.9	0	0	0	1.1E2	1.442	28138	11887	Sisma Y SLV	0	61.9	0	0	1.1E2	1.442
28139	11887	Sisma X SLO	33	0	0	0	1.1E2	1.442	28140	11887	Sisma Y SLO	0	33	0	0	1.1E2	1.442
28141	11887	Sisma X SLD	27.4	0	0	0	1.1E2	1.442	28142	11887	Sisma Y SLD	0	27.4	0	0	1.1E2	1.442
28143	11888	Sisma X SLV	43.5	0	0	0	7.5E1	1.442	28144	11888	Sisma Y SLV	0	43.5	0	0	7.5E1	1.442
28145	11888	Sisma X SLO	23.2	0	0	0	7.5E1	1.442	28146	11888	Sisma Y SLO	0	23.2	0	0	7.5E1	1.442
28147	11888	Sisma X SLD	19.2	0	0	0	7.5E1	1.442	28148	11888	Sisma Y SLD	0	19.2	0	0	7.5E1	1.442
28149	11889	Sisma X SLV	48.7	0	0	0	8.4E1	1.443	28150	11889	Sisma Y SLV	0	48.7	0	0	8.4E1	1.443
28151	11889	Sisma X SLO	26	0	0	0	8.4E1	1.443	28152	11889	Sisma Y SLO	0	26	0	0	8.4E1	1.443
28153	11889	Sisma X SLD	21.6	0	0	0	8.4E1	1.443	28154	11889	Sisma Y SLD	0	21.6	0	0	8.4E1	1.443
28155	11890	Sisma X SLV	53.2	0	0	0	9.2E1	1.444	28156	11890	Sisma Y SLV	0	53.2	0	0	9.2E1	1.444
28157	11890	Sisma X SLO	28.4	0	0	0	9.2E1	1.444	28158	11890	Sisma Y SLO	0	28.4	0	0	9.2E1	1.444
28159	11890	Sisma X SLD	23.6	0	0	0	9.2E1	1.444	28160	11890	Sisma Y SLD	0	23.6	0	0	9.2E1	1.444
28161	11891	Sisma X SLV	54.5	0	0	0	9.5E1	1.444	28162	11891	Sisma Y SLV	0	54.5	0	0	9.5E1	1.444
28163	11891	Sisma X SLO	29.1	0	0	0	9.5E1	1.444	28164	11891	Sisma Y SLO	0	29.1	0	0	9.5E1	1.444
28165	11891	Sisma X SLD	24.1	0	0	0	9.5E1	1.444	28166	11891	Sisma Y SLD	0	24.1	0	0	9.5E1	1.444
28167	11892	Sisma X SLV	52.8	0	0	0	9.2E1	1.444	28168	11892	Sisma Y SLV	0	52.8	0	0	9.2E1	1.444
28169	11892	Sisma X SLO	28.2	0	0	0	9.2E1	1.444	28170	11892	Sisma Y SLO	0	28.2	0	0	9.2E1	1.444
28171	11892	Sisma X SLD	23.4	0	0	0	9.2E1	1.444	28172	11892	Sisma Y SLD	0	23.4	0	0	9.2E1	1.444
28173	11893	Sisma X SLV	45.5	0	0	0	7.9E1	1.444	28174	11893	Sisma Y SLV	0	45.5	0	0	7.9E1	1.444
28175	11893	Sisma X SLO	24.2	0	0	0	7.9E1	1.444	28176	11893	Sisma Y SLO	0	24.2	0	0	7.9E1	1.444
28177	11893	Sisma X SLD	20.1	0	0	0	7.9E1	1.444	28178	11893	Sisma Y SLD	0	20.1	0	0	7.9E1	1.444
28179	11894	Sisma X SLV	56	0	0	0	9.7E1	1.444	28180	11894	Sisma Y SLV	0	56	0	0	9.7E1	1.444
28181	11894	Sisma X SLO	29.8	0	0	0	9.7E1	1.444	28182	11894	Sisma Y SLO	0	29.8	0	0	9.7E1	1.444
28183	11894	Sisma X SLD	24.8	0	0	0	9.7E1	1.444	28184	11894	Sisma Y SLD	0	24.8	0	0	9.7E1	1.444
28185	11895	Sisma X SLV	44.2	0	0	0	7.7E1	1.445	28186	11895	Sisma Y SLV	0	44.2	0	0	7.7E1	1.445
28187	11895	Sisma X SLO	23.6	0	0	0	7.7E1	1.445	28188	11895	Sisma Y SLO	0	23.6	0	0	7.7E1	1.445
28189	11895	Sisma X SLD	19.6	0	0	0	7.7E1	1.445	28190	11895	Sisma Y SLD	0	19.6	0	0	7.7E1	1.445
28191	11896	Sisma X SLV	60.2	0	0	0	1.0E2	1.445	28192	11896	Sisma Y SLV	0	60.2	0	0	1.0E2	1.445
28193	11896	Sisma X SLO	32.1	0	0	0	1.0E2	1.445	28194	11896	Sisma Y SLO	0	32.1	0	0	1.0E2	1.445
28195	11896	Sisma X SLD	26.6	0	0	0	1.0E2	1.445	28196	11896	Sisma Y SLD	0	26.6	0	0	1.0E2	1.445
28197	11897	Sisma X SLV	46.1	0	0	0	8.0E1	1.445	28198	11897	Sisma Y SLV	0	46.1	0	0	8.0E1	1.445
28199	11897	Sisma X SLO	24.6	0	0	0	8.0E1	1.445	28200	11897	Sisma Y SLO	0	24.6	0	0	8.0E1	1.445
28201	11897	Sisma X SLD	20.4	0	0	0	8.0E1	1.445	28202	11897	Sisma Y SLD	0	20.4	0	0	8.0E1	1.445
28203	11898	Sisma X SLV	55.7	0	0	0	9.6E1	1.445	28204	11898	Sisma Y SLV	0	55.7	0	0	9.6E1	1.445
28205	11898	Sisma X SLO	29.7	0	0	0	9.6E1	1.445	28206	11898	Sisma Y SLO	0	29.7	0	0	9.6E1	1.445
28207	11898	Sisma X SLD	24.6	0	0	0	9.6E1	1.445	28208	11898	Sisma Y SLD	0	24.6	0	0	9.6E1	1.445
28209	11899	Sisma X SLV	61.6	0	0	0	1.1E2	1.446	28210	11899	Sisma Y SLV	0	61.6	0	0	1.1E2	1.446
28211	11899	Sisma X SLO	32.8	0	0	0	1.1E2	1.446	28212	11899	Sisma Y SLO	0	32.8	0	0	1.1E2	1.446
28213	11899	Sisma X SLD	27.3	0	0	0	1.1E2	1.446	28214	11899	Sisma Y SLD	0	27.3	0	0	1.1E2	1.446
28215	11900	Sisma X SLV	29	0	0	0	5.0E1	1.446	28216	11900	Sisma Y SLV	0	29	0	0	5.0E1	1.446
28217	11900	Sisma X SLO	15.5	0	0	0	5.0E1	1.446	28218	11900	Sisma Y SLO	0	15.5	0	0	5.0E1	1.446
28219	11900	Sisma X SLD	12.8	0	0	0	5.0E1	1.446	28220	11900	Sisma Y SLD	0	12.8	0	0	5.0E1	1.446
28221	11901	Sisma X SLV	57.4	0	0	0	9.9E1	1.446	28222	11901	Sisma Y SLV	0	57.4	0	0	9.9E1	1.446
28223	11901	Sisma X SLO	30.6	0	0	0	9.9E1	1.446	28224	11901	Sisma Y SLO	0	30.6	0	0	9.9E1	1.446
28225	11901	Sisma X SLD	25.4	0	0	0	9.9E1	1.446	28226	11901	Sisma Y SLD	0	25.4	0	0	9.9E1	1.446
28227	11902	Sisma X SLV	57.7	0	0	0	1.0E2	1.446	28228	11902	Sisma Y SLV	0	57.7	0	0	1.0E2	1.446
28229	11902	Sisma X SLO	30.7	0	0	0	1.0E2	1.446	28230	11902	Sisma Y SLO	0	30.7	0	0	1.0E2	1.446
28231	11902	Sisma X SLD	25.5	0	0	0	1.0E2	1.446	28232	11902	Sisma Y SLD	0	25.5	0	0	1.0E2	1.446
28233	11903	Sisma X SLV	44.1	0	0	0	7.6E1	1.446	28234	11903	Sisma Y SLV	0	44.1	0	0	7.6E1	1.446
28235	11903	Sisma X SLO	23.5	0	0	0	7.6E1	1.446	28236	11903	Sisma Y SLO	0	23.5	0	0	7.6E1	1.446
28237	11903	Sisma X SLD	19.5	0	0	0	7.6E1	1.446	28238	11903	Sisma Y SLD	0	19.5	0	0	7.6E1	1.446
28239	11904	Sisma X SLV	61.9	0	0	0	1.1E2	1.446	28240	11904	Sisma Y SLV	0	61.9	0	0	1.1E2	1.446
28241	11904	Sisma X SLO	33	0	0	0	1.1E2	1.446	28242	11904	Sisma Y SLO	0	33	0	0	1.1E2	1.446
28243	11904	Sisma X SLD	27.4	0	0	0	1.1E2	1.446	28244	11904	Sisma Y SLD	0	27.4	0	0	1.1E2	1.446
28245	11905	Sisma X SLV	62.1	0	0	0	1.1E2	1.447	28246	11905	Sisma Y SLV	0	62.1	0	0	1.1E2	1.447
28247	11905	Sisma X SLO	33.1	0	0	0	1.1E2	1.447	28248	11905	Sisma Y SLO	0	33.1	0	0	1.1E2	1.447
28249	11905	Sisma X SLD	27.5	0	0	0	1.1E2	1.447	28250	11905	Sisma Y SLD	0	27.5	0	0	1.1E2	1.447
28251	11906	Sisma X SLV	62.3	0	0	0	1.1E2	1.447	28252	11906	Sisma Y SLV	0	62.3	0	0	1.1E2	1.447
28253	11906	Sisma X SLO	33.2	0	0	0	1.1E2	1.447	28254	11906	Sisma Y SLO	0	33.2	0	0	1.1E2	1.447
28255	11906	Sisma X SLD	27.6	0	0	0	1.1E2	1.447	28256	11906	Sisma Y SLD	0	27.6	0	0	1.1E2	1.447
28257	11907	Sisma X SLV	55.3	0	0	0	95.6	1.447	28258	11907	Sisma Y SLV	0	55.3	0	0	95.6	1.447
28259	11907	Sisma X SLO	29.5	0	0	0	95.6	1.447	28260	11907	Sisma Y SLO	0	29.5	0	0	95.6	1.447
28261	11907	Sisma X SLD	24.5	0	0	0	95.6	1.447	28262	11907	Sisma Y SLD	0	24.5	0	0	95.6	1.447
28263	11908	Sisma X SLV	55.1	0	0	0	9.5E1	1.447	28264	11908	Sisma Y SLV	0	55.1	0	0	9.5E1	1.447
28265	11908	Sisma X SLO	29.4	0	0	0	9.5E1	1.447	28266	11908	Sisma Y SLO	0	29.4	0	0	9.5E1	1.447
28267	11908	Sisma X SLD	24.4	0	0	0	9.5E1	1.447	28268	11908	Sisma Y SLD	0	24.4	0	0	9.5E1	1.447
28269	11909	Sisma X SLV	55.2	0	0	0	9.5E1	1.447	28270	11909	Sisma Y SLV	0	55.2	0	0	9.5E1	1.447
28271	11909	Sisma X SLO	29.4	0	0	0	9.5E1	1.447	28272	11909	Sisma Y SLO	0	29.4	0	0	9.5E1	1.447
28273	11909	Sisma X SLD	24.4	0	0	0	9.5E1	1.447	28274	11909	Sisma Y SLD	0	24.4	0	0	9.5E1	1.447
28275	11910	Sisma X SLV	58.1	0	0	0	1.0E2	1.447	28276	11910	Sisma Y SLV	0	58.1	0	0	1.0E2	1.447
28277	11910	Sisma X SLO	31	0	0	0	1.0E2	1.447	28278	11910	Sisma Y SLO	0	31	0	0	1.0E2	1.447
28279	11910	Sisma X SLD	25.7	0	0	0	1.0E2	1.447	28280	11910	Sisma Y SLD	0	25.7	0	0	1.0E2	1.447
28281	11911	Sisma X SLV	24	0	0	0	4.2E1	1.448	28282	11911	Sisma Y SLV	0	24	0	0	4.2E1	1.448
28283	11911	Sisma X SLO	12.8	0	0	0	4.2E1	1.448	28284	11911	Sisma Y SLO	0	12.8	0	0	4.2E1	1.448
28285	11911	Sisma X SLD	10.6	0	0	0	4.2E1	1.448	28286	11911	Sisma Y SLD	0	10.6	0	0	4.2E1	1.448
28287	11912	Sisma X SLV	52.3	0	0	0	9.0E1	1.448	28288	11912	Sisma Y SLV	0	52.3	0	0	9.0E1	1.448
28289	11912	Sisma X SLO	27.9	0	0	0	9.0E1	1.448	28290	11912	Sisma Y SLO	0	27.9	0	0	9.0E1	1.448
28291	11912	Sisma X SLD	23.2	0	0	0	9.0E1	1.448	28292	11912	Sisma Y SLD	0	23.2	0	0	9.0E1	1.448
28293	11913	Sisma X SLV	50.6	0	0	0	8.8E1	1.448	28294	11913	Sisma Y SLV	0	50.6	0	0	8.8E1	1.448
28295	11913	Sisma X SLO	27	0	0	0	8.8E1	1.448	28296	11913	Sisma Y SLO	0	27	0	0	8.8E1	1.448
28297	11913	Sisma X SLD	22.4	0	0	0	8.8E1	1.448	28298	11913	Sisma Y SLD	0	22.4	0	0	8.8E1	1.448
28299	11914	Sisma X SLV	41.8	0	0	0	72.21	1.448	28300	11914	Sisma Y SLV	0	41.8	0	0	72.21	1.448
28301	11914	Sisma X SLO	22.3	0	0	0	72.21	1.448	28302	11914	Sisma Y SLO	0	22.3	0	0	72.21	1.448
28303	11914	Sisma X SLD	18.5	0	0	0	72.21	1.448	28304	11914	Sisma Y SLD	0	18.5	0	0	72.21	1.448
28305	11915	Sisma X SLV	107.9	0	0	0	1.9E2	1.448	28306	11915	Sisma Y SLV	0	107.9	0	0	1.9E2	1.448
28307	11915	Sisma X SLO	57.5	0	0	0	1.9E2	1.448	28308	11915	Sisma Y SLO	0	57.5	0	0	1.9E2	1.448
28309	11915	Sisma X SLD	47.8	0	0	0	1.9E2	1.448	28310	11915	Sisma Y SLD	0	47.8	0	0	1.9E2	1.448
28311	11916	Sisma X SLV	78.5	0	0	0	1.4E2	1.448	28312	11916	Sisma Y SLV	0	78.5	0	0	1.4E2	1.448

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
28313	11916	Sisma X SLO	41.8	0	0	0	1.4E2	1.448	28314	11916	Sisma Y SLO	0	41.8	0	0	1.4E2	1.448
28315	11916	Sisma X SLD	34.7	0	0	0	1.4E2	1.448	28316	11916	Sisma Y SLD	0	34.7	0	0	1.4E2	1.448
28317	11917	Sisma X SLV	81.9	0	0	0	1.4E2	1.448	28318	11917	Sisma Y SLV	0	81.9	0	0	1.4E2	1.448
28319	11917	Sisma X SLO	43.6	0	0	0	1.4E2	1.448	28320	11917	Sisma Y SLO	0	43.6	0	0	1.4E2	1.448
28321	11917	Sisma X SLD	36.2	0	0	0	1.4E2	1.448	28322	11917	Sisma Y SLD	0	36.2	0	0	1.4E2	1.448
28323	11918	Sisma X SLV	45.1	0	0	0	7.8E1	1.448	28324	11918	Sisma Y SLV	0	45.1	0	0	7.8E1	1.448
28325	11918	Sisma X SLO	24.1	0	0	0	7.8E1	1.448	28326	11918	Sisma Y SLO	0	24.1	0	0	7.8E1	1.448
28327	11918	Sisma X SLD	20	0	0	0	7.8E1	1.448	28328	11918	Sisma Y SLD	0	20	0	0	7.8E1	1.448
28329	11919	Sisma X SLV	55.4	0	0	0	9.6E1	1.448	28330	11919	Sisma Y SLV	0	55.4	0	0	9.6E1	1.448
28331	11919	Sisma X SLO	29.5	0	0	0	9.6E1	1.448	28332	11919	Sisma Y SLO	0	29.5	0	0	9.6E1	1.448
28333	11919	Sisma X SLD	24.5	0	0	0	9.6E1	1.448	28334	11919	Sisma Y SLD	0	24.5	0	0	9.6E1	1.448
28335	11920	Sisma X SLV	55.5	0	0	0	9.6E1	1.448	28336	11920	Sisma Y SLV	0	55.5	0	0	9.6E1	1.448
28337	11920	Sisma X SLO	29.6	0	0	0	9.6E1	1.448	28338	11920	Sisma Y SLO	0	29.6	0	0	9.6E1	1.448
28339	11920	Sisma X SLD	24.6	0	0	0	9.6E1	1.448	28340	11920	Sisma Y SLD	0	24.6	0	0	9.6E1	1.448
28341	11921	Sisma X SLV	45.8	0	0	0	7.9E1	1.448	28342	11921	Sisma Y SLV	0	45.8	0	0	7.9E1	1.448
28343	11921	Sisma X SLO	24.4	0	0	0	7.9E1	1.448	28344	11921	Sisma Y SLO	0	24.4	0	0	7.9E1	1.448
28345	11921	Sisma X SLD	20.3	0	0	0	7.9E1	1.448	28346	11921	Sisma Y SLD	0	20.3	0	0	7.9E1	1.448
28347	11922	Sisma X SLV	58.7	0	0	0	1.0E2	1.448	28348	11922	Sisma Y SLV	0	58.7	0	0	1.0E2	1.448
28349	11922	Sisma X SLO	31.3	0	0	0	1.0E2	1.448	28350	11922	Sisma Y SLO	0	31.3	0	0	1.0E2	1.448
28351	11922	Sisma X SLD	26	0	0	0	1.0E2	1.448	28352	11922	Sisma Y SLD	0	26	0	0	1.0E2	1.448
28353	11923	Sisma X SLV	90.9	0	0	0	1.6E2	1.448	28354	11923	Sisma Y SLV	0	90.9	0	0	1.6E2	1.448
28355	11923	Sisma X SLO	48.5	0	0	0	1.6E2	1.448	28356	11923	Sisma Y SLO	0	48.5	0	0	1.6E2	1.448
28357	11923	Sisma X SLD	40.2	0	0	0	1.6E2	1.448	28358	11923	Sisma Y SLD	0	40.2	0	0	1.6E2	1.448
28359	11924	Sisma X SLV	55.4	0	0	0	9.6E1	1.448	28360	11924	Sisma Y SLV	0	55.4	0	0	9.6E1	1.448
28361	11924	Sisma X SLO	29.5	0	0	0	9.6E1	1.448	28362	11924	Sisma Y SLO	0	29.5	0	0	9.6E1	1.448
28363	11924	Sisma X SLD	24.5	0	0	0	9.6E1	1.448	28364	11924	Sisma Y SLD	0	24.5	0	0	9.6E1	1.448
28365	11925	Sisma X SLV	50.5	0	0	0	8.7E1	1.448	28366	11925	Sisma Y SLV	0	50.5	0	0	8.7E1	1.448
28367	11925	Sisma X SLO	26.9	0	0	0	8.7E1	1.448	28368	11925	Sisma Y SLO	0	26.9	0	0	8.7E1	1.448
28369	11925	Sisma X SLD	22.4	0	0	0	8.7E1	1.448	28370	11925	Sisma Y SLD	0	22.4	0	0	8.7E1	1.448
28371	11926	Sisma X SLV	90.9	0	0	0	1.6E2	1.448	28372	11926	Sisma Y SLV	0	90.9	0	0	1.6E2	1.448
28373	11926	Sisma X SLO	48.5	0	0	0	1.6E2	1.448	28374	11926	Sisma Y SLO	0	48.5	0	0	1.6E2	1.448
28375	11926	Sisma X SLD	40.2	0	0	0	1.6E2	1.448	28376	11926	Sisma Y SLD	0	40.2	0	0	1.6E2	1.448
28377	11927	Sisma X SLV	63.8	0	0	0	1.1E2	1.448	28378	11927	Sisma Y SLV	0	63.8	0	0	1.1E2	1.448
28379	11927	Sisma X SLO	34	0	0	0	1.1E2	1.448	28380	11927	Sisma Y SLO	0	34	0	0	1.1E2	1.448
28381	11927	Sisma X SLD	28.3	0	0	0	1.1E2	1.448	28382	11927	Sisma Y SLD	0	28.3	0	0	1.1E2	1.448
28383	11928	Sisma X SLV	91	0	0	0	1.6E2	1.448	28384	11928	Sisma Y SLV	0	91	0	0	1.6E2	1.448
28385	11928	Sisma X SLO	48.5	0	0	0	1.6E2	1.448	28386	11928	Sisma Y SLO	0	48.5	0	0	1.6E2	1.448
28387	11928	Sisma X SLD	40.3	0	0	0	1.6E2	1.448	28388	11928	Sisma Y SLD	0	40.3	0	0	1.6E2	1.448
28389	11929	Sisma X SLV	56.9	0	0	0	9.8E1	1.448	28390	11929	Sisma Y SLV	0	56.9	0	0	9.8E1	1.448
28391	11929	Sisma X SLO	30.4	0	0	0	9.8E1	1.448	28392	11929	Sisma Y SLO	0	30.4	0	0	9.8E1	1.448
28393	11929	Sisma X SLD	25.2	0	0	0	9.8E1	1.448	28394	11929	Sisma Y SLD	0	25.2	0	0	9.8E1	1.448
28395	11930	Sisma X SLV	127.2	0	0	0	2.2E2	1.449	28396	11930	Sisma Y SLV	0	127.2	0	0	2.2E2	1.449
28397	11930	Sisma X SLO	67.8	0	0	0	2.2E2	1.449	28398	11930	Sisma Y SLO	0	67.8	0	0	2.2E2	1.449
28399	11930	Sisma X SLD	56.3	0	0	0	2.2E2	1.449	28400	11930	Sisma Y SLD	0	56.3	0	0	2.2E2	1.449
28401	11931	Sisma X SLV	88.1	0	0	0	1.5E2	1.449	28402	11931	Sisma Y SLV	0	88.1	0	0	1.5E2	1.449
28403	11931	Sisma X SLO	47	0	0	0	1.5E2	1.449	28404	11931	Sisma Y SLO	0	47	0	0	1.5E2	1.449
28405	11931	Sisma X SLD	39	0	0	0	1.5E2	1.449	28406	11931	Sisma Y SLD	0	39	0	0	1.5E2	1.449
28407	11932	Sisma X SLV	91.3	0	0	0	1.6E2	1.449	28408	11932	Sisma Y SLV	0	91.3	0	0	1.6E2	1.449
28409	11932	Sisma X SLO	48.7	0	0	0	1.6E2	1.449	28410	11932	Sisma Y SLO	0	48.7	0	0	1.6E2	1.449
28411	11932	Sisma X SLD	40.4	0	0	0	1.6E2	1.449	28412	11932	Sisma Y SLD	0	40.4	0	0	1.6E2	1.449
28413	11933	Sisma X SLV	51.5	0	0	0	8.9E1	1.449	28414	11933	Sisma Y SLV	0	51.5	0	0	8.9E1	1.449
28415	11933	Sisma X SLO	27.4	0	0	0	8.9E1	1.449	28416	11933	Sisma Y SLO	0	27.4	0	0	8.9E1	1.449
28417	11933	Sisma X SLD	22.8	0	0	0	8.9E1	1.449	28418	11933	Sisma Y SLD	0	22.8	0	0	8.9E1	1.449
28419	11934	Sisma X SLV	91.7	0	0	0	1.6E2	1.449	28420	11934	Sisma Y SLV	0	91.7	0	0	1.6E2	1.449
28421	11934	Sisma X SLO	48.9	0	0	0	1.6E2	1.449	28422	11934	Sisma Y SLO	0	48.9	0	0	1.6E2	1.449
28423	11934	Sisma X SLD	40.6	0	0	0	1.6E2	1.449	28424	11934	Sisma Y SLD	0	40.6	0	0	1.6E2	1.449
28425	11935	Sisma X SLV	92.6	0	0	0	1.6E2	1.449	28426	11935	Sisma Y SLV	0	92.6	0	0	1.6E2	1.449
28427	11935	Sisma X SLO	49.4	0	0	0	1.6E2	1.449	28428	11935	Sisma Y SLO	0	49.4	0	0	1.6E2	1.449
28429	11935	Sisma X SLD	41	0	0	0	1.6E2	1.449	28430	11935	Sisma Y SLD	0	41	0	0	1.6E2	1.449
28431	11936	Sisma X SLV	33.3	0	0	0	5.7E1	1.449	28432	11936	Sisma Y SLV	0	33.3	0	0	5.7E1	1.449
28433	11936	Sisma X SLO	17.7	0	0	0	5.7E1	1.449	28434	11936	Sisma Y SLO	0	17.7	0	0	5.7E1	1.449
28435	11936	Sisma X SLD	14.7	0	0	0	5.7E1	1.449	28436	11936	Sisma Y SLD	0	14.7	0	0	5.7E1	1.449
28437	11937	Sisma X SLV	57.2	0	0	0	98.84	1.449	28438	11937	Sisma Y SLV	0	57.2	0	0	98.84	1.449
28439	11937	Sisma X SLO	30.5	0	0	0	98.84	1.449	28440	11937	Sisma Y SLO	0	30.5	0	0	98.84	1.449
28441	11937	Sisma X SLD	25.3	0	0	0	98.84	1.449	28442	11937	Sisma Y SLD	0	25.3	0	0	98.84	1.449
28443	11938	Sisma X SLV	50.5	0	0	0	87.25	1.449	28444	11938	Sisma Y SLV	0	50.5	0	0	87.25	1.449
28445	11938	Sisma X SLO	26.9	0	0	0	87.25	1.449	28446	11938	Sisma Y SLO	0	26.9	0	0	87.25	1.449
28447	11938	Sisma X SLD	22.4	0	0	0	87.25	1.449	28448	11938	Sisma Y SLD	0	22.4	0	0	87.25	1.449
28449	11939	Sisma X SLV	94.2	0	0	0	1.6E2	1.449	28450	11939	Sisma Y SLV	0	94.2	0	0	1.6E2	1.449
28451	11939	Sisma X SLO	50.2	0	0	0	1.6E2	1.449	28452	11939	Sisma Y SLO	0	50.2	0	0	1.6E2	1.449
28453	11939	Sisma X SLD	41.7	0	0	0	1.6E2	1.449	28454	11939	Sisma Y SLD	0	41.7	0	0	1.6E2	1.449
28455	11940	Sisma X SLV	50.3	0	0	0	86.81	1.449	28456	11940	Sisma Y SLV	0	50.3	0	0	86.81	1.449
28457	11940	Sisma X SLO	26.8	0	0	0	86.81	1.449	28458	11940	Sisma Y SLO	0	26.8	0	0	86.81	1.449
28459	11940	Sisma X SLD	22.3	0	0	0	86.81	1.449	28460	11940	Sisma Y SLD	0	22.3	0	0	86.81	1.449
28461	11941	Sisma X SLV	126.7	0	0	0	2.2E2	1.449	28462	11941	Sisma Y SLV	0	126.7	0	0	2.2E2	1.449
28463	11941	Sisma X SLO	67.6	0	0	0	2.2E2	1.449	28464	11941	Sisma Y SLO	0	67.6	0	0	2.2E2	1.449
28465	11941	Sisma X SLD	56.1	0	0	0	2.2E2	1.449	28466	11941	Sisma Y SLD	0	56.1	0	0	2.2E2	1.449
28467	11942	Sisma X SLV	55.6	0	0	0	9.6E1	1.449	28468	11942	Sisma Y SLV	0	55.6	0	0	9.6E1	1.449
28469	11942	Sisma X SLO	29.6	0	0	0	9.6E1	1.449	28470	11942	Sisma Y SLO	0	29.6	0	0	9.6E1	1.449
28471	11942	Sisma X SLD	24.6	0	0	0	9.6E1	1.449	28472	11942	Sisma Y SLD	0	24.6	0	0	9.6E1	1.449
28473	11943	Sisma X SLV	95.9	0	0	0	1.7E2	1.449	28474	11943	Sisma Y SLV	0	95.9	0	0	1.7E2	1.449
28475	11943	Sisma X SLO	51.1	0	0	0	1.7E2	1.449	28476	11943	Sisma Y SLO	0	51.1	0	0	1.7E2	1.449
28477	11943	Sisma X SLD	42.4	0	0	0	1.7E2	1.449	28478	11943	Sisma Y SLD	0	42.4	0	0	1.7E2	1.449
28479	11944	Sisma X SLV	55.1	0	0	0	9.5E1	1.45	28480	11944	Sisma Y SLV	0	55.1	0	0	9.5E1	1.45
28481	11944	Sisma X SLO	29.4	0	0	0	9.5E1	1.45	28482	11944	Sisma Y SLO	0	29.4	0	0	9.5E1	1.45
28483	11944	Sisma X SLD	24.4	0	0	0	9.5E1	1.45	28484	11944	Sisma Y SLD	0	24.4	0	0	9.5E1	1.45
28485	11945	Sisma X SLV	87.4	0	0	0	1.5E2	1.45	28486	11945	Sisma Y SLV	0	87.4	0	0	1.5E2	1.45
28487	11945	Sisma X SLO	46.6	0	0	0	1.5E2	1.45	28488	11945	Sisma Y SLO	0	46.6	0	0	1.5E2	1.45
28489	11945	Sisma X SLD	38.7	0	0	0	1.5E2	1.45	28490	11945	Sisma Y SLD	0	38.7	0	0	1.5E2	1.45
28491	11946	Sisma X SLV	96.6	0	0	0	1.7E2	1.45	28492	11946	Sisma Y SLV	0	96.6	0	0	1.7E2	1.45
28493	11946	Sisma X SLO	51.5	0	0	0	1.7E2	1.45	28494	11946	Sisma Y SLO	0	51.5	0	0	1.7E2	1.45
28495	11946	Sisma X SLD	42.8	0	0	0	1.7E2	1.45	28496	11946	Sisma Y SLD	0	42.8	0	0	1.7E2	1.45
28497	11947	Sisma X SLV	96.8	0	0	0	1.7E2	1.45	28498	11947	Sisma Y SLV	0	96.8	0	0	1.7E2	1.45
28499	11947	Sisma X SLO	51.6	0	0	0	1.7E2	1.45	28500	11947	Sisma Y SLO	0	51.6	0	0	1.7E2	1.45
28501	11947	Sisma X SLD	42.8	0	0	0	1.7E2	1.45	28502	11947	Sisma Y SLD	0	42.8	0	0	1.7E2	1.45
28503	11948	Sisma X SLV	94.8	0	0	0	1.6E2	1.45	28504	11948	Sisma Y SLV	0	94.8	0	0	1.6E2	1.45
28505	11948	Sisma X SLO	50.5	0	0	0	1.6E2	1.45	28506	11948	Sisma Y SLO	0	50.5	0	0	1.6E2	1.45
28507	11948	Sisma X SLD	41.9	0	0	0	1.6E2	1.45	28508	11948	Sisma Y SLD	0	41.9	0	0	1.6E2	1.45
28509	11949	Sisma X SLV	95.1	0	0	0	1.6E2	1.45	28510	11949	Sisma Y SLV	0	95.1	0	0	1.6E2	1.45
28511	11949	Sisma X SLO	50.7	0	0	0	1.6E2	1.45	28512	11949	Sisma Y SLO	0	50.7	0	0	1.6E2	1.45

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
28513	11949	Sisma X SLD	42.1	0	0	0	1.6E2	1.45	28514	11949	Sisma Y SLD	0	42.1	0	0	1.6E2	1.45
28515	11950	Sisma X SLV	93.9	0	0	0	1.6E2	1.45	28516	11950	Sisma Y SLV	0	93.9	0	0	1.6E2	1.45
28517	11950	Sisma X SLO	50.1	0	0	0	1.6E2	1.45	28518	11950	Sisma Y SLO	0	50.1	0	0	1.6E2	1.45
28519	11950	Sisma X SLD	41.6	0	0	0	1.6E2	1.45	28520	11950	Sisma Y SLD	0	41.6	0	0	1.6E2	1.45
28521	11951	Sisma X SLV	96.4	0	0	0	1.7E2	1.45	28522	11951	Sisma Y SLV	0	96.4	0	0	1.7E2	1.45
28523	11951	Sisma X SLO	51.4	0	0	0	1.7E2	1.45	28524	11951	Sisma Y SLO	0	51.4	0	0	1.7E2	1.45
28525	11951	Sisma X SLD	42.6	0	0	0	1.7E2	1.45	28526	11951	Sisma Y SLD	0	42.6	0	0	1.7E2	1.45
28527	11952	Sisma X SLV	94.9	0	0	0	1.6E2	1.45	28528	11952	Sisma Y SLV	0	94.9	0	0	1.6E2	1.45
28529	11952	Sisma X SLO	50.6	0	0	0	1.6E2	1.45	28530	11952	Sisma Y SLO	0	50.6	0	0	1.6E2	1.45
28531	11952	Sisma X SLD	42	0	0	0	1.6E2	1.45	28532	11952	Sisma Y SLD	0	42	0	0	1.6E2	1.45
28533	11953	Sisma X SLV	19.3	0	0	0	3.3E1	1.45	28534	11953	Sisma Y SLV	0	19.3	0	0	3.3E1	1.45
28535	11953	Sisma X SLO	10.3	0	0	0	3.3E1	1.45	28536	11953	Sisma Y SLO	0	10.3	0	0	3.3E1	1.45
28537	11953	Sisma X SLD	8.5	0	0	0	3.3E1	1.45	28538	11953	Sisma Y SLD	0	8.5	0	0	3.3E1	1.45
28539	11954	Sisma X SLV	53.5	0	0	0	9.2E1	1.45	28540	11954	Sisma Y SLV	0	53.5	0	0	9.2E1	1.45
28541	11954	Sisma X SLO	28.5	0	0	0	9.2E1	1.45	28542	11954	Sisma Y SLO	0	28.5	0	0	9.2E1	1.45
28543	11954	Sisma X SLD	23.7	0	0	0	9.2E1	1.45	28544	11954	Sisma Y SLD	0	23.7	0	0	9.2E1	1.45
28545	11955	Sisma X SLV	92.5	0	0	0	1.6E2	1.45	28546	11955	Sisma Y SLV	0	92.5	0	0	1.6E2	1.45
28547	11955	Sisma X SLO	49.3	0	0	0	1.6E2	1.45	28548	11955	Sisma Y SLO	0	49.3	0	0	1.6E2	1.45
28549	11955	Sisma X SLD	40.9	0	0	0	1.6E2	1.45	28550	11955	Sisma Y SLD	0	40.9	0	0	1.6E2	1.45
28551	11956	Sisma X SLV	126.1	0	0	0	2.2E2	1.45	28552	11956	Sisma Y SLV	0	126.1	0	0	2.2E2	1.45
28553	11956	Sisma X SLO	67.2	0	0	0	2.2E2	1.45	28554	11956	Sisma Y SLO	0	67.2	0	0	2.2E2	1.45
28555	11956	Sisma X SLD	55.8	0	0	0	2.2E2	1.45	28556	11956	Sisma Y SLD	0	55.8	0	0	2.2E2	1.45
28557	11957	Sisma X SLV	95.7	0	0	0	1.7E2	1.45	28558	11957	Sisma Y SLV	0	95.7	0	0	1.7E2	1.45
28559	11957	Sisma X SLO	51	0	0	0	1.7E2	1.45	28560	11957	Sisma Y SLO	0	51	0	0	1.7E2	1.45
28561	11957	Sisma X SLD	42.3	0	0	0	1.7E2	1.45	28562	11957	Sisma Y SLD	0	42.3	0	0	1.7E2	1.45
28563	11958	Sisma X SLV	49.4	0	0	0	8.5E1	1.45	28564	11958	Sisma Y SLV	0	49.4	0	0	8.5E1	1.45
28565	11958	Sisma X SLO	26.4	0	0	0	8.5E1	1.45	28566	11958	Sisma Y SLO	0	26.4	0	0	8.5E1	1.45
28567	11958	Sisma X SLD	21.9	0	0	0	8.5E1	1.45	28568	11958	Sisma Y SLD	0	21.9	0	0	8.5E1	1.45
28569	11959	Sisma X SLV	53	0	0	0	91.48	1.45	28570	11959	Sisma Y SLV	0	53	0	0	91.48	1.45
28571	11959	Sisma X SLO	28.3	0	0	0	91.48	1.45	28572	11959	Sisma Y SLO	0	28.3	0	0	91.48	1.45
28573	11959	Sisma X SLD	23.5	0	0	0	91.48	1.45	28574	11959	Sisma Y SLD	0	23.5	0	0	91.48	1.45
28575	11960	Sisma X SLV	94.2	0	0	0	1.6E2	1.451	28576	11960	Sisma Y SLV	0	94.2	0	0	1.6E2	1.451
28577	11960	Sisma X SLO	50.2	0	0	0	1.6E2	1.451	28578	11960	Sisma Y SLO	0	50.2	0	0	1.6E2	1.451
28579	11960	Sisma X SLD	41.7	0	0	0	1.6E2	1.451	28580	11960	Sisma Y SLD	0	41.7	0	0	1.6E2	1.451
28581	11961	Sisma X SLV	51	0	0	0	8.8E1	1.451	28582	11961	Sisma Y SLV	0	51	0	0	8.8E1	1.451
28583	11961	Sisma X SLO	27.2	0	0	0	8.8E1	1.451	28584	11961	Sisma Y SLO	0	27.2	0	0	8.8E1	1.451
28585	11961	Sisma X SLD	22.6	0	0	0	8.8E1	1.451	28586	11961	Sisma Y SLD	0	22.6	0	0	8.8E1	1.451
28587	11962	Sisma X SLV	53.2	0	0	0	9.2E1	1.451	28588	11962	Sisma Y SLV	0	53.2	0	0	9.2E1	1.451
28589	11962	Sisma X SLO	28.4	0	0	0	9.2E1	1.451	28590	11962	Sisma Y SLO	0	28.4	0	0	9.2E1	1.451
28591	11962	Sisma X SLD	23.6	0	0	0	9.2E1	1.451	28592	11962	Sisma Y SLD	0	23.6	0	0	9.2E1	1.451
28593	11963	Sisma X SLV	95.1	0	0	0	1.6E2	1.451	28594	11963	Sisma Y SLV	0	95.1	0	0	1.6E2	1.451
28595	11963	Sisma X SLO	50.7	0	0	0	1.6E2	1.451	28596	11963	Sisma Y SLO	0	50.7	0	0	1.6E2	1.451
28597	11963	Sisma X SLD	42.1	0	0	0	1.6E2	1.451	28598	11963	Sisma Y SLD	0	42.1	0	0	1.6E2	1.451
28599	11964	Sisma X SLV	43	0	0	0	7.4E1	1.451	28600	11964	Sisma Y SLV	0	43	0	0	7.4E1	1.451
28601	11964	Sisma X SLO	22.9	0	0	0	7.4E1	1.451	28602	11964	Sisma Y SLO	0	22.9	0	0	7.4E1	1.451
28603	11964	Sisma X SLD	19	0	0	0	7.4E1	1.451	28604	11964	Sisma Y SLD	0	19	0	0	7.4E1	1.451
28605	11965	Sisma X SLV	52.7	0	0	0	9.1E1	1.451	28606	11965	Sisma Y SLV	0	52.7	0	0	9.1E1	1.451
28607	11965	Sisma X SLO	28.1	0	0	0	9.1E1	1.451	28608	11965	Sisma Y SLO	0	28.1	0	0	9.1E1	1.451
28609	11965	Sisma X SLD	23.3	0	0	0	9.1E1	1.451	28610	11965	Sisma Y SLD	0	23.3	0	0	9.1E1	1.451
28611	11966	Sisma X SLV	94.3	0	0	0	1.6E2	1.451	28612	11966	Sisma Y SLV	0	94.3	0	0	1.6E2	1.451
28613	11966	Sisma X SLO	50.3	0	0	0	1.6E2	1.451	28614	11966	Sisma Y SLO	0	50.3	0	0	1.6E2	1.451
28615	11966	Sisma X SLD	41.7	0	0	0	1.6E2	1.451	28616	11966	Sisma Y SLD	0	41.7	0	0	1.6E2	1.451
28617	11967	Sisma X SLV	90.2	0	0	0	1.6E2	1.451	28618	11967	Sisma Y SLV	0	90.2	0	0	1.6E2	1.451
28619	11967	Sisma X SLO	48.1	0	0	0	1.6E2	1.451	28620	11967	Sisma Y SLO	0	48.1	0	0	1.6E2	1.451
28621	11967	Sisma X SLD	39.9	0	0	0	1.6E2	1.451	28622	11967	Sisma Y SLD	0	39.9	0	0	1.6E2	1.451
28623	11968	Sisma X SLV	86.3	0	0	0	1.5E2	1.451	28624	11968	Sisma Y SLV	0	86.3	0	0	1.5E2	1.451
28625	11968	Sisma X SLO	46	0	0	0	1.5E2	1.451	28626	11968	Sisma Y SLO	0	46	0	0	1.5E2	1.451
28627	11968	Sisma X SLD	38.2	0	0	0	1.5E2	1.451	28628	11968	Sisma Y SLD	0	38.2	0	0	1.5E2	1.451
28629	11969	Sisma X SLV	49.5	0	0	0	8.5E1	1.451	28630	11969	Sisma Y SLV	0	49.5	0	0	8.5E1	1.451
28631	11969	Sisma X SLO	26.4	0	0	0	8.5E1	1.451	28632	11969	Sisma Y SLO	0	26.4	0	0	8.5E1	1.451
28633	11969	Sisma X SLD	21.9	0	0	0	8.5E1	1.451	28634	11969	Sisma Y SLD	0	21.9	0	0	8.5E1	1.451
28635	11970	Sisma X SLV	92.8	0	0	0	1.6E2	1.451	28636	11970	Sisma Y SLV	0	92.8	0	0	1.6E2	1.451
28637	11970	Sisma X SLO	49.5	0	0	0	1.6E2	1.451	28638	11970	Sisma Y SLO	0	49.5	0	0	1.6E2	1.451
28639	11970	Sisma X SLD	41.1	0	0	0	1.6E2	1.451	28640	11970	Sisma Y SLD	0	41.1	0	0	1.6E2	1.451
28641	11971	Sisma X SLV	93.1	0	0	0	1.6E2	1.451	28642	11971	Sisma Y SLV	0	93.1	0	0	1.6E2	1.451
28643	11971	Sisma X SLO	49.6	0	0	0	1.6E2	1.451	28644	11971	Sisma Y SLO	0	49.6	0	0	1.6E2	1.451
28645	11971	Sisma X SLD	41.2	0	0	0	1.6E2	1.451	28646	11971	Sisma Y SLD	0	41.2	0	0	1.6E2	1.451
28647	11972	Sisma X SLV	125.3	0	0	0	2.2E2	1.451	28648	11972	Sisma Y SLV	0	125.3	0	0	2.2E2	1.451
28649	11972	Sisma X SLO	66.8	0	0	0	2.2E2	1.451	28650	11972	Sisma Y SLO	0	66.8	0	0	2.2E2	1.451
28651	11972	Sisma X SLD	55.5	0	0	0	2.2E2	1.451	28652	11972	Sisma Y SLD	0	55.5	0	0	2.2E2	1.451
28653	11973	Sisma X SLV	23.6	0	0	0	40.69	1.451	28654	11973	Sisma Y SLV	0	23.6	0	0	40.69	1.451
28655	11973	Sisma X SLO	12.6	0	0	0	40.69	1.451	28656	11973	Sisma Y SLO	0	12.6	0	0	40.69	1.451
28657	11973	Sisma X SLD	10.4	0	0	0	40.69	1.451	28658	11973	Sisma Y SLD	0	10.4	0	0	40.69	1.451
28659	11974	Sisma X SLV	53.7	0	0	0	9.3E1	1.452	28660	11974	Sisma Y SLV	0	53.7	0	0	9.3E1	1.452
28661	11974	Sisma X SLO	28.6	0	0	0	9.3E1	1.452	28662	11974	Sisma Y SLO	0	28.6	0	0	9.3E1	1.452
28663	11974	Sisma X SLD	23.8	0	0	0	9.3E1	1.452	28664	11974	Sisma Y SLD	0	23.8	0	0	9.3E1	1.452
28665	11975	Sisma X SLV	50.1	0	0	0	8.6E1	1.452	28666	11975	Sisma Y SLV	0	50.1	0	0	8.6E1	1.452
28667	11975	Sisma X SLO	26.7	0	0	0	8.6E1	1.452	28668	11975	Sisma Y SLO	0	26.7	0	0	8.6E1	1.452
28669	11975	Sisma X SLD	22.2	0	0	0	8.6E1	1.452	28670	11975	Sisma Y SLD	0	22.2	0	0	8.6E1	1.452
28671	11976	Sisma X SLV	91.2	0	0	0	1.6E2	1.452	28672	11976	Sisma Y SLV	0	91.2	0	0	1.6E2	1.452
28673	11976	Sisma X SLO	48.6	0	0	0	1.6E2	1.452	28674	11976	Sisma Y SLO	0	48.6	0	0	1.6E2	1.452
28675	11976	Sisma X SLD	40.4	0	0	0	1.6E2	1.452	28676	11976	Sisma Y SLD	0	40.4	0	0	1.6E2	1.452
28677	11977	Sisma X SLV	90.1	0	0	0	1.6E2	1.452	28678	11977	Sisma Y SLV	0	90.1	0	0	1.6E2	1.452
28679	11977	Sisma X SLO	48	0	0	0	1.6E2	1.452	28680	11977	Sisma Y SLO	0	48	0	0	1.6E2	1.452
28681	11977	Sisma X SLD	39.9	0	0	0	1.6E2	1.452	28682	11977	Sisma Y SLD	0	39.9	0	0	1.6E2	1.452
28683	11978	Sisma X SLV	55.2	0	0	0	9.5E1	1.452	28684	11978	Sisma Y SLV	0	55.2	0	0	9.5E1	1.452
28685	11978	Sisma X SLO	29.4	0	0	0	9.5E1	1.452	28686	11978	Sisma Y SLO	0	29.4	0	0	9.5E1	1.452
28687	11978	Sisma X SLD	24.4	0	0	0	9.5E1	1.452	28688	11978	Sisma Y SLD	0	24.4	0	0	9.5E1	1.452
28689	11979	Sisma X SLV	56.2	0	0	0	96.86	1.452	28690	11979	Sisma Y SLV	0	56.2	0	0	96.86	1.452
28691	11979	Sisma X SLO	30	0	0	0	96.86	1.452	28692	11979	Sisma Y SLO	0	30	0	0	96.86	1.452
28693	11979	Sisma X SLD	24.9	0	0	0	96.86	1.452	28694	11979	Sisma Y SLD	0	24.9	0	0	96.86	1.452
28695	11980	Sisma X SLV	87.7	0	0	0	1.5E2	1.452	28696	11980	Sisma Y SLV	0	87.7	0	0	1.5E2	1.452
28697	11980	Sisma X SLO	46.8	0	0	0	1.5E2	1.452	28698	11980	Sisma Y SLO	0	46.8	0	0	1.5E2	1.452
28699	11980	Sisma X SLD	38.8	0	0	0	1.5E2	1.452	28700	11980	Sisma Y SLD	0	38.8	0	0	1.5E2	1.452
28701	11981	Sisma X SLV	57.4	0	0	0	9.9E1	1.452	28702	11981	Sisma Y SLV	0	57.4	0	0	9.9E1	1.452
28703	11981	Sisma X SLO	30.6	0	0	0	9.9E1	1.452	28704	11981	Sisma Y SLO	0	30.6	0	0	9.9E1	1.452
28705	11981	Sisma X SLD	25.4	0	0	0	9.9E1	1.452	28706	11981	Sisma Y SLD	0	25.4	0	0	9.9E1	1.452
28707	11982	Sisma X SLV	87.7	0	0	0	1.5E2	1.452	28708	11982	Sisma Y SLV	0	87.7	0	0	1.5E2	1.452
28709	11982	Sisma X SLO	46.8	0	0	0	1.5E2	1.452	28710	11982	Sisma Y SLO	0	46.8	0	0	1.5E2	1.452
28711	11982	Sisma X SLD	38.8	0	0	0	1.5E2	1.452	28712	11982	Sisma Y SLD	0	38.8	0	0	1.5E2	1.452

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
28713	11983	Sisma X SLV	87.8	0	0	0	1.5E2	1.452	28714	11983	Sisma Y SLV	0	87.8	0	0	1.5E2	1.452
28715	11983	Sisma X SLO	46.8	0	0	0	1.5E2	1.452	28716	11983	Sisma Y SLO	0	46.8	0	0	1.5E2	1.452
28717	11983	Sisma X SLD	38.8	0	0	0	1.5E2	1.452	28718	11983	Sisma Y SLD	0	38.8	0	0	1.5E2	1.452
28719	11984	Sisma X SLV	64.8	0	0	0	1.1E2	1.452	28720	11984	Sisma Y SLV	0	64.8	0	0	1.1E2	1.452
28721	11984	Sisma X SLO	34.5	0	0	0	1.1E2	1.452	28722	11984	Sisma Y SLO	0	34.5	0	0	1.1E2	1.452
28723	11984	Sisma X SLD	28.7	0	0	0	1.1E2	1.452	28724	11984	Sisma Y SLD	0	28.7	0	0	1.1E2	1.452
28725	11985	Sisma X SLV	90.1	0	0	0	1.6E2	1.452	28726	11985	Sisma Y SLV	0	90.1	0	0	1.6E2	1.452
28727	11985	Sisma X SLO	48	0	0	0	1.6E2	1.452	28728	11985	Sisma Y SLO	0	48	0	0	1.6E2	1.452
28729	11985	Sisma X SLD	39.9	0	0	0	1.6E2	1.452	28730	11985	Sisma Y SLD	0	39.9	0	0	1.6E2	1.452
28731	11986	Sisma X SLV	46	0	0	0	7.9E1	1.452	28732	11986	Sisma Y SLV	0	46	0	0	7.9E1	1.452
28733	11986	Sisma X SLO	24.5	0	0	0	7.9E1	1.452	28734	11986	Sisma Y SLO	0	24.5	0	0	7.9E1	1.452
28735	11986	Sisma X SLD	20.3	0	0	0	7.9E1	1.452	28736	11986	Sisma Y SLD	0	20.3	0	0	7.9E1	1.452
28737	11987	Sisma X SLV	98.4	0	0	0	1.7E2	1.452	28738	11987	Sisma Y SLV	0	98.4	0	0	1.7E2	1.452
28739	11987	Sisma X SLO	52.5	0	0	0	1.7E2	1.452	28740	11987	Sisma Y SLO	0	52.5	0	0	1.7E2	1.452
28741	11987	Sisma X SLD	43.5	0	0	0	1.7E2	1.452	28742	11987	Sisma Y SLD	0	43.5	0	0	1.7E2	1.452
28743	11988	Sisma X SLV	88.3	0	0	0	1.5E2	1.453	28744	11988	Sisma Y SLV	0	88.3	0	0	1.5E2	1.453
28745	11988	Sisma X SLO	47.1	0	0	0	1.5E2	1.453	28746	11988	Sisma Y SLO	0	47.1	0	0	1.5E2	1.453
28747	11988	Sisma X SLD	39.1	0	0	0	1.5E2	1.453	28748	11988	Sisma Y SLD	0	39.1	0	0	1.5E2	1.453
28749	11989	Sisma X SLV	44.6	0	0	0	7.7E1	1.453	28750	11989	Sisma Y SLV	0	44.6	0	0	7.7E1	1.453
28751	11989	Sisma X SLO	23.8	0	0	0	7.7E1	1.453	28752	11989	Sisma Y SLO	0	23.8	0	0	7.7E1	1.453
28753	11989	Sisma X SLD	19.7	0	0	0	7.7E1	1.453	28754	11989	Sisma Y SLD	0	19.7	0	0	7.7E1	1.453
28755	11990	Sisma X SLV	89.3	0	0	0	1.5E2	1.453	28756	11990	Sisma Y SLV	0	89.3	0	0	1.5E2	1.453
28757	11990	Sisma X SLO	47.6	0	0	0	1.5E2	1.453	28758	11990	Sisma Y SLO	0	47.6	0	0	1.5E2	1.453
28759	11990	Sisma X SLD	39.5	0	0	0	1.5E2	1.453	28760	11990	Sisma Y SLD	0	39.5	0	0	1.5E2	1.453
28761	11991	Sisma X SLV	84.1	0	0	0	1.4E2	1.453	28762	11991	Sisma Y SLV	0	84.1	0	0	1.4E2	1.453
28763	11991	Sisma X SLO	44.8	0	0	0	1.4E2	1.453	28764	11991	Sisma Y SLO	0	44.8	0	0	1.4E2	1.453
28765	11991	Sisma X SLD	37.2	0	0	0	1.4E2	1.453	28766	11991	Sisma Y SLD	0	37.2	0	0	1.4E2	1.453
28767	11992	Sisma X SLV	62.7	0	0	0	1.1E2	1.453	28768	11992	Sisma Y SLV	0	62.7	0	0	1.1E2	1.453
28769	11992	Sisma X SLO	33.5	0	0	0	1.1E2	1.453	28770	11992	Sisma Y SLO	0	33.5	0	0	1.1E2	1.453
28771	11992	Sisma X SLD	27.8	0	0	0	1.1E2	1.453	28772	11992	Sisma Y SLD	0	27.8	0	0	1.1E2	1.453
28773	11993	Sisma X SLV	85.1	0	0	0	1.5E2	1.454	28774	11993	Sisma Y SLV	0	85.1	0	0	1.5E2	1.454
28775	11993	Sisma X SLO	45.4	0	0	0	1.5E2	1.454	28776	11993	Sisma Y SLO	0	45.4	0	0	1.5E2	1.454
28777	11993	Sisma X SLD	37.7	0	0	0	1.5E2	1.454	28778	11993	Sisma Y SLD	0	37.7	0	0	1.5E2	1.454
28779	11994	Sisma X SLV	85.7	0	0	0	1.5E2	1.454	28780	11994	Sisma Y SLV	0	85.7	0	0	1.5E2	1.454
28781	11994	Sisma X SLO	45.7	0	0	0	1.5E2	1.454	28782	11994	Sisma Y SLO	0	45.7	0	0	1.5E2	1.454
28783	11994	Sisma X SLD	37.9	0	0	0	1.5E2	1.454	28784	11994	Sisma Y SLD	0	37.9	0	0	1.5E2	1.454
28785	11995	Sisma X SLV	18.3	0	0	0	3.1E1	1.454	28786	11995	Sisma Y SLV	0	18.3	0	0	3.1E1	1.454
28787	11995	Sisma X SLO	9.7	0	0	0	3.1E1	1.454	28788	11995	Sisma Y SLO	0	9.7	0	0	3.1E1	1.454
28789	11995	Sisma X SLD	8.1	0	0	0	3.1E1	1.454	28790	11995	Sisma Y SLD	0	8.1	0	0	3.1E1	1.454
28791	11996	Sisma X SLV	35.6	0	0	0	6.1E1	1.454	28792	11996	Sisma Y SLV	0	35.6	0	0	6.1E1	1.454
28793	11996	Sisma X SLO	19	0	0	0	6.1E1	1.454	28794	11996	Sisma Y SLO	0	19	0	0	6.1E1	1.454
28795	11996	Sisma X SLD	15.8	0	0	0	6.1E1	1.454	28796	11996	Sisma Y SLD	0	15.8	0	0	6.1E1	1.454
28797	11997	Sisma X SLV	44.1	0	0	0	7.6E1	1.455	28798	11997	Sisma Y SLV	0	44.1	0	0	7.6E1	1.455
28799	11997	Sisma X SLO	23.5	0	0	0	7.6E1	1.455	28800	11997	Sisma Y SLO	0	23.5	0	0	7.6E1	1.455
28801	11997	Sisma X SLD	19.5	0	0	0	7.6E1	1.455	28802	11997	Sisma Y SLD	0	19.5	0	0	7.6E1	1.455
28803	11998	Sisma X SLV	29.6	0	0	0	5.1E1	1.455	28804	11998	Sisma Y SLV	0	29.6	0	0	5.1E1	1.455
28805	11998	Sisma X SLO	15.8	0	0	0	5.1E1	1.455	28806	11998	Sisma Y SLO	0	15.8	0	0	5.1E1	1.455
28807	11998	Sisma X SLD	13.1	0	0	0	5.1E1	1.455	28808	11998	Sisma Y SLD	0	13.1	0	0	5.1E1	1.455
28809	11999	Sisma X SLV	37.2	0	0	0	6.4E1	1.455	28810	11999	Sisma Y SLV	0	37.2	0	0	6.4E1	1.455
28811	11999	Sisma X SLO	19.9	0	0	0	6.4E1	1.455	28812	11999	Sisma Y SLO	0	19.9	0	0	6.4E1	1.455
28813	11999	Sisma X SLD	16.5	0	0	0	6.4E1	1.455	28814	11999	Sisma Y SLD	0	16.5	0	0	6.4E1	1.455
28815	12000	Sisma X SLV	30.7	0	0	0	5.3E1	1.455	28816	12000	Sisma Y SLV	0	30.7	0	0	5.3E1	1.455
28817	12000	Sisma X SLO	16.4	0	0	0	5.3E1	1.455	28818	12000	Sisma Y SLO	0	16.4	0	0	5.3E1	1.455
28819	12000	Sisma X SLD	13.6	0	0	0	5.3E1	1.455	28820	12000	Sisma Y SLD	0	13.6	0	0	5.3E1	1.455
28821	12001	Sisma X SLV	82.6	0	0	0	1.4E2	1.455	28822	12001	Sisma Y SLV	0	82.6	0	0	1.4E2	1.455
28823	12001	Sisma X SLO	44	0	0	0	1.4E2	1.455	28824	12001	Sisma Y SLO	0	44	0	0	1.4E2	1.455
28825	12001	Sisma X SLD	36.5	0	0	0	1.4E2	1.455	28826	12001	Sisma Y SLD	0	36.5	0	0	1.4E2	1.455
28827	12002	Sisma X SLV	82.9	0	0	0	1.4E2	1.455	28828	12002	Sisma Y SLV	0	82.9	0	0	1.4E2	1.455
28829	12002	Sisma X SLO	44.2	0	0	0	1.4E2	1.455	28830	12002	Sisma Y SLO	0	44.2	0	0	1.4E2	1.455
28831	12002	Sisma X SLD	36.7	0	0	0	1.4E2	1.455	28832	12002	Sisma Y SLD	0	36.7	0	0	1.4E2	1.455
28833	12003	Sisma X SLV	19.7	0	0	0	3.4E1	1.455	28834	12003	Sisma Y SLV	0	19.7	0	0	3.4E1	1.455
28835	12003	Sisma X SLO	10.5	0	0	0	3.4E1	1.455	28836	12003	Sisma Y SLO	0	10.5	0	0	3.4E1	1.455
28837	12003	Sisma X SLD	8.7	0	0	0	3.4E1	1.455	28838	12003	Sisma Y SLD	0	8.7	0	0	3.4E1	1.455
28839	12004	Sisma X SLV	40.2	0	0	0	6.9E1	1.456	28840	12004	Sisma Y SLV	0	40.2	0	0	6.9E1	1.456
28841	12004	Sisma X SLO	21.4	0	0	0	6.9E1	1.456	28842	12004	Sisma Y SLO	0	21.4	0	0	6.9E1	1.456
28843	12004	Sisma X SLD	17.8	0	0	0	6.9E1	1.456	28844	12004	Sisma Y SLD	0	17.8	0	0	6.9E1	1.456
28845	12005	Sisma X SLV	82.6	0	0	0	1.4E2	1.456	28846	12005	Sisma Y SLV	0	82.6	0	0	1.4E2	1.456
28847	12005	Sisma X SLO	44	0	0	0	1.4E2	1.456	28848	12005	Sisma Y SLO	0	44	0	0	1.4E2	1.456
28849	12005	Sisma X SLD	36.5	0	0	0	1.4E2	1.456	28850	12005	Sisma Y SLD	0	36.5	0	0	1.4E2	1.456
28851	12006	Sisma X SLV	84.7	0	0	0	1.5E2	1.456	28852	12006	Sisma Y SLV	0	84.7	0	0	1.5E2	1.456
28853	12006	Sisma X SLO	45.1	0	0	0	1.5E2	1.456	28854	12006	Sisma Y SLO	0	45.1	0	0	1.5E2	1.456
28855	12006	Sisma X SLD	37.5	0	0	0	1.5E2	1.456	28856	12006	Sisma Y SLD	0	37.5	0	0	1.5E2	1.456
28857	12007	Sisma X SLV	92.7	0	0	0	1.6E2	1.456	28858	12007	Sisma Y SLV	0	92.7	0	0	1.6E2	1.456
28859	12007	Sisma X SLO	49.4	0	0	0	1.6E2	1.456	28860	12007	Sisma Y SLO	0	49.4	0	0	1.6E2	1.456
28861	12007	Sisma X SLD	41	0	0	0	1.6E2	1.456	28862	12007	Sisma Y SLD	0	41	0	0	1.6E2	1.456
28863	12008	Sisma X SLV	93.3	0	0	0	1.6E2	1.456	28864	12008	Sisma Y SLV	0	93.3	0	0	1.6E2	1.456
28865	12008	Sisma X SLO	49.8	0	0	0	1.6E2	1.456	28866	12008	Sisma Y SLO	0	49.8	0	0	1.6E2	1.456
28867	12008	Sisma X SLD	41.3	0	0	0	1.6E2	1.456	28868	12008	Sisma Y SLD	0	41.3	0	0	1.6E2	1.456
28869	12009	Sisma X SLV	40.8	0	0	0	7.0E1	1.457	28870	12009	Sisma Y SLV	0	40.8	0	0	7.0E1	1.457
28871	12009	Sisma X SLO	21.8	0	0	0	7.0E1	1.457	28872	12009	Sisma Y SLO	0	21.8	0	0	7.0E1	1.457
28873	12009	Sisma X SLD	18.1	0	0	0	7.0E1	1.457	28874	12009	Sisma Y SLD	0	18.1	0	0	7.0E1	1.457
28875	12010	Sisma X SLV	87.1	0	0	0	1.5E2	1.457	28876	12010	Sisma Y SLV	0	87.1	0	0	1.5E2	1.457
28877	12010	Sisma X SLO	46.4	0	0	0	1.5E2	1.457	28878	12010	Sisma Y SLO	0	46.4	0	0	1.5E2	1.457
28879	12010	Sisma X SLD	38.5	0	0	0	1.5E2	1.457	28880	12010	Sisma Y SLD	0	38.5	0	0	1.5E2	1.457
28881	12011	Sisma X SLV	80.9	0	0	0	1.4E2	1.457	28882	12011	Sisma Y SLV	0	80.9	0	0	1.4E2	1.457
28883	12011	Sisma X SLO	43.1	0	0	0	1.4E2	1.457	28884	12011	Sisma Y SLO	0	43.1	0	0	1.4E2	1.457
28885	12011	Sisma X SLD	35.8	0	0	0	1.4E2	1.457	28886	12011	Sisma Y SLD	0	35.8	0	0	1.4E2	1.457
28887	12012	Sisma X SLV	19.6	0	0	0	3.4E1	1.457	28888	12012	Sisma Y SLV	0	19.6	0	0	3.4E1	1.457
28889	12012	Sisma X SLO	10.5	0	0	0	3.4E1	1.457	28890	12012	Sisma Y SLO	0	10.5	0	0	3.4E1	1.457
28891	12012	Sisma X SLD	8.7	0	0	0	3.4E1	1.457	28892	12012	Sisma Y SLD	0	8.7	0	0	3.4E1	1.457
28893	12013	Sisma X SLV	26.9	0	0	0	4.6E1	1.457	28894	12013	Sisma Y SLV	0	26.9	0	0	4.6E1	1.457
28895	12013	Sisma X SLO	14.4	0	0	0	4.6E1	1.457	28896	12013	Sisma Y SLO	0	14.4	0	0	4.6E1	1.457
28897	12013	Sisma X SLD	11.9	0	0	0	4.6E1	1.457	28898	12013	Sisma Y SLD	0	11.9	0	0	4.6E1	1.457
28899	12014	Sisma X SLV	39.2	0	0	0	6.7E1	1.458	28900	12014	Sisma Y SLV	0	39.2	0	0	6.7E1	1.458
28901	12014	Sisma X SLO	20.9	0	0	0	6.7E1	1.458	28902	12014	Sisma Y SLO	0	20.9	0	0	6.7E1	1.458
28903	12014	Sisma X SLD	17.4	0	0	0	6.7E1	1.458	28904	12014	Sisma Y SLD	0	17.4	0	0	6.7E1	1.458
28905	12015	Sisma X SLV	21.6	0	0	0	3.7E1	1.458	28906	12015	Sisma Y SLV	0	21.6	0	0	3.7E1	1.458
28907	12015	Sisma X SLO	11.5	0	0	0	3.7E1	1.458	28908	12015	Sisma Y SLO	0	11.5	0	0	3.7E1	1.458
28909	12015	Sisma X SLD	9.6	0	0	0	3.7E1	1.458	28910	12015	Sisma Y SLD	0	9.6	0	0	3.7E1	1.458
28911	12016	Sisma X SLV	24.4	0	0	0	4.2E1	1.459	28912	12016	Sisma Y SLV	0	24.4	0	0	4.2E1	1.459

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
28913	12016	Sisma X SLO	13	0	0	0	4.2E1	1.459	28914	12016	Sisma Y SLO	0	13	0	0	4.2E1	1.459
28915	12016	Sisma X SLD	10.8	0	0	0	4.2E1	1.459	28916	12016	Sisma Y SLD	0	10.8	0	0	4.2E1	1.459
28917	12017	Sisma X SLV	81.9	0	0	0	1.4E2	1.459	28918	12017	Sisma Y SLV	0	81.9	0	0	1.4E2	1.459
28919	12017	Sisma X SLO	43.7	0	0	0	1.4E2	1.459	28920	12017	Sisma Y SLO	0	43.7	0	0	1.4E2	1.459
28921	12017	Sisma X SLD	36.2	0	0	0	1.4E2	1.459	28922	12017	Sisma Y SLD	0	36.2	0	0	1.4E2	1.459
28923	12018	Sisma X SLV	26.6	0	0	0	4.6E1	1.459	28924	12018	Sisma Y SLV	0	26.6	0	0	4.6E1	1.459
28925	12018	Sisma X SLO	14.2	0	0	0	4.6E1	1.459	28926	12018	Sisma Y SLO	0	14.2	0	0	4.6E1	1.459
28927	12018	Sisma X SLD	11.8	0	0	0	4.6E1	1.459	28928	12018	Sisma Y SLD	0	11.8	0	0	4.6E1	1.459
28929	12019	Sisma X SLV	86.1	0	0	0	1.5E2	1.459	28930	12019	Sisma Y SLV	0	86.1	0	0	1.5E2	1.459
28931	12019	Sisma X SLO	45.9	0	0	0	1.5E2	1.459	28932	12019	Sisma Y SLO	0	45.9	0	0	1.5E2	1.459
28933	12019	Sisma X SLD	38.1	0	0	0	1.5E2	1.459	28934	12019	Sisma Y SLD	0	38.1	0	0	1.5E2	1.459
28935	12020	Sisma X SLV	84.6	0	0	0	1.5E2	1.46	28936	12020	Sisma Y SLV	0	84.6	0	0	1.5E2	1.46
28937	12020	Sisma X SLO	45.1	0	0	0	1.5E2	1.46	28938	12020	Sisma Y SLO	0	45.1	0	0	1.5E2	1.46
28939	12020	Sisma X SLD	37.4	0	0	0	1.5E2	1.46	28940	12020	Sisma Y SLD	0	37.4	0	0	1.5E2	1.46
28941	12021	Sisma X SLV	23	0	0	0	3.9E1	1.463	28942	12021	Sisma Y SLV	0	23	0	0	3.9E1	1.463
28943	12021	Sisma X SLO	12.3	0	0	0	3.9E1	1.463	28944	12021	Sisma Y SLO	0	12.3	0	0	3.9E1	1.463
28945	12021	Sisma X SLD	10.2	0	0	0	3.9E1	1.463	28946	12021	Sisma Y SLD	0	10.2	0	0	3.9E1	1.463
28947	12022	Sisma X SLV	30.5	0	0	0	5.2E1	1.464	28948	12022	Sisma Y SLV	0	30.5	0	0	5.2E1	1.464
28949	12022	Sisma X SLO	16.2	0	0	0	5.2E1	1.464	28950	12022	Sisma Y SLO	0	16.2	0	0	5.2E1	1.464
28951	12022	Sisma X SLD	13.5	0	0	0	5.2E1	1.464	28952	12022	Sisma Y SLD	0	13.5	0	0	5.2E1	1.464
28953	12023	Sisma X SLV	36.7	0	0	0	6.3E1	1.465	28954	12023	Sisma Y SLV	0	36.7	0	0	6.3E1	1.465
28955	12023	Sisma X SLO	19.6	0	0	0	6.3E1	1.465	28956	12023	Sisma Y SLO	0	19.6	0	0	6.3E1	1.465
28957	12023	Sisma X SLD	16.3	0	0	0	6.3E1	1.465	28958	12023	Sisma Y SLD	0	16.3	0	0	6.3E1	1.465
28959	12024	Sisma X SLV	25.1	0	0	0	4.3E1	1.465	28960	12024	Sisma Y SLV	0	25.1	0	0	4.3E1	1.465
28961	12024	Sisma X SLO	13.4	0	0	0	4.3E1	1.465	28962	12024	Sisma Y SLO	0	13.4	0	0	4.3E1	1.465
28963	12024	Sisma X SLD	11.1	0	0	0	4.3E1	1.465	28964	12024	Sisma Y SLD	0	11.1	0	0	4.3E1	1.465
28965	12025	Sisma X SLV	31.3	0	0	0	5.3E1	1.466	28966	12025	Sisma Y SLV	0	31.3	0	0	5.3E1	1.466
28967	12025	Sisma X SLO	16.7	0	0	0	5.3E1	1.466	28968	12025	Sisma Y SLO	0	16.7	0	0	5.3E1	1.466
28969	12025	Sisma X SLD	13.8	0	0	0	5.3E1	1.466	28970	12025	Sisma Y SLD	0	13.8	0	0	5.3E1	1.466
28971	12026	Sisma X SLV	29.6	0	0	0	5.1E1	1.466	28972	12026	Sisma Y SLV	0	29.6	0	0	5.1E1	1.466
28973	12026	Sisma X SLO	15.8	0	0	0	5.1E1	1.466	28974	12026	Sisma Y SLO	0	15.8	0	0	5.1E1	1.466
28975	12026	Sisma X SLD	13.1	0	0	0	5.1E1	1.466	28976	12026	Sisma Y SLD	0	13.1	0	0	5.1E1	1.466
28977	12027	Sisma X SLV	34.5	0	0	0	5.9E1	1.466	28978	12027	Sisma Y SLV	0	34.5	0	0	5.9E1	1.466
28979	12027	Sisma X SLO	18.4	0	0	0	5.9E1	1.466	28980	12027	Sisma Y SLO	0	18.4	0	0	5.9E1	1.466
28981	12027	Sisma X SLD	15.3	0	0	0	5.9E1	1.466	28982	12027	Sisma Y SLD	0	15.3	0	0	5.9E1	1.466
28983	12028	Sisma X SLV	30.9	0	0	0	5.3E1	1.467	28984	12028	Sisma Y SLV	0	30.9	0	0	5.3E1	1.467
28985	12028	Sisma X SLO	16.5	0	0	0	5.3E1	1.467	28986	12028	Sisma Y SLO	0	16.5	0	0	5.3E1	1.467
28987	12028	Sisma X SLD	13.7	0	0	0	5.3E1	1.467	28988	12028	Sisma Y SLD	0	13.7	0	0	5.3E1	1.467
28989	12029	Sisma X SLV	59.6	0	0	0	1.0E2	1.469	28990	12029	Sisma Y SLV	0	59.6	0	0	1.0E2	1.469
28991	12029	Sisma X SLO	31.8	0	0	0	1.0E2	1.469	28992	12029	Sisma Y SLO	0	31.8	0	0	1.0E2	1.469
28993	12029	Sisma X SLD	26.4	0	0	0	1.0E2	1.469	28994	12029	Sisma Y SLD	0	26.4	0	0	1.0E2	1.469
28995	12030	Sisma X SLV	30.6	0	0	0	5.2E1	1.47	28996	12030	Sisma Y SLV	0	30.6	0	0	5.2E1	1.47
28997	12030	Sisma X SLO	16.3	0	0	0	5.2E1	1.47	28998	12030	Sisma Y SLO	0	16.3	0	0	5.2E1	1.47
28999	12030	Sisma X SLD	13.5	0	0	0	5.2E1	1.47	29000	12030	Sisma Y SLD	0	13.5	0	0	5.2E1	1.47
29001	12031	Sisma X SLV	87.5	0	0	0	1.5E2	1.47	29002	12031	Sisma Y SLV	0	87.5	0	0	1.5E2	1.47
29003	12031	Sisma X SLO	46.6	0	0	0	1.5E2	1.47	29004	12031	Sisma Y SLO	0	46.6	0	0	1.5E2	1.47
29005	12031	Sisma X SLD	38.7	0	0	0	1.5E2	1.47	29006	12031	Sisma Y SLD	0	38.7	0	0	1.5E2	1.47
29007	12032	Sisma X SLV	79	0	0	0	1.3E2	1.471	29008	12032	Sisma Y SLV	0	79	0	0	1.3E2	1.471
29009	12032	Sisma X SLO	42.1	0	0	0	1.3E2	1.471	29010	12032	Sisma Y SLO	0	42.1	0	0	1.3E2	1.471
29011	12032	Sisma X SLD	35	0	0	0	1.3E2	1.471	29012	12032	Sisma Y SLD	0	35	0	0	1.3E2	1.471
29013	12033	Sisma X SLV	26.9	0	0	0	4.6E1	1.472	29014	12033	Sisma Y SLV	0	26.9	0	0	4.6E1	1.472
29015	12033	Sisma X SLO	14.4	0	0	0	4.6E1	1.472	29016	12033	Sisma Y SLO	0	14.4	0	0	4.6E1	1.472
29017	12033	Sisma X SLD	11.9	0	0	0	4.6E1	1.472	29018	12033	Sisma Y SLD	0	11.9	0	0	4.6E1	1.472
29019	12034	Sisma X SLV	75.4	0	0	0	1.3E2	1.473	29020	12034	Sisma Y SLV	0	75.4	0	0	1.3E2	1.473
29021	12034	Sisma X SLO	40.2	0	0	0	1.3E2	1.473	29022	12034	Sisma Y SLO	0	40.2	0	0	1.3E2	1.473
29023	12034	Sisma X SLD	33.4	0	0	0	1.3E2	1.473	29024	12034	Sisma Y SLD	0	33.4	0	0	1.3E2	1.473
29025	12035	Sisma X SLV	80.6	0	0	0	1.4E2	1.473	29026	12035	Sisma Y SLV	0	80.6	0	0	1.4E2	1.473
29027	12035	Sisma X SLO	43	0	0	0	1.4E2	1.473	29028	12035	Sisma Y SLO	0	43	0	0	1.4E2	1.473
29029	12035	Sisma X SLD	35.7	0	0	0	1.4E2	1.473	29030	12035	Sisma Y SLD	0	35.7	0	0	1.4E2	1.473
29031	12036	Sisma X SLV	78.8	0	0	0	1.3E2	1.473	29032	12036	Sisma Y SLV	0	78.8	0	0	1.3E2	1.473
29033	12036	Sisma X SLO	42	0	0	0	1.3E2	1.473	29034	12036	Sisma Y SLO	0	42	0	0	1.3E2	1.473
29035	12036	Sisma X SLD	34.9	0	0	0	1.3E2	1.473	29036	12036	Sisma Y SLD	0	34.9	0	0	1.3E2	1.473
29037	12037	Sisma X SLV	73.8	0	0	0	1.3E2	1.473	29038	12037	Sisma Y SLV	0	73.8	0	0	1.3E2	1.473
29039	12037	Sisma X SLO	39.3	0	0	0	1.3E2	1.473	29040	12037	Sisma Y SLO	0	39.3	0	0	1.3E2	1.473
29041	12037	Sisma X SLD	32.7	0	0	0	1.3E2	1.473	29042	12037	Sisma Y SLD	0	32.7	0	0	1.3E2	1.473
29043	12038	Sisma X SLV	81.2	0	0	0	1.4E2	1.474	29044	12038	Sisma Y SLV	0	81.2	0	0	1.4E2	1.474
29045	12038	Sisma X SLO	43.3	0	0	0	1.4E2	1.474	29046	12038	Sisma Y SLO	0	43.3	0	0	1.4E2	1.474
29047	12038	Sisma X SLD	35.9	0	0	0	1.4E2	1.474	29048	12038	Sisma Y SLD	0	35.9	0	0	1.4E2	1.474
29049	12039	Sisma X SLV	53.9	0	0	0	9.1E1	1.475	29050	12039	Sisma Y SLV	0	53.9	0	0	9.1E1	1.475
29051	12039	Sisma X SLO	28.7	0	0	0	9.1E1	1.475	29052	12039	Sisma Y SLO	0	28.7	0	0	9.1E1	1.475
29053	12039	Sisma X SLD	23.8	0	0	0	9.1E1	1.475	29054	12039	Sisma Y SLD	0	23.8	0	0	9.1E1	1.475
29055	12040	Sisma X SLV	73.4	0	0	0	1.2E2	1.476	29056	12040	Sisma Y SLV	0	73.4	0	0	1.2E2	1.476
29057	12040	Sisma X SLO	39.1	0	0	0	1.2E2	1.476	29058	12040	Sisma Y SLO	0	39.1	0	0	1.2E2	1.476
29059	12040	Sisma X SLD	32.5	0	0	0	1.2E2	1.476	29060	12040	Sisma Y SLD	0	32.5	0	0	1.2E2	1.476
29061	12041	Sisma X SLV	79.4	0	0	0	1.3E2	1.477	29062	12041	Sisma Y SLV	0	79.4	0	0	1.3E2	1.477
29063	12041	Sisma X SLO	42.3	0	0	0	1.3E2	1.477	29064	12041	Sisma Y SLO	0	42.3	0	0	1.3E2	1.477
29065	12041	Sisma X SLD	35.1	0	0	0	1.3E2	1.477	29066	12041	Sisma Y SLD	0	35.1	0	0	1.3E2	1.477
29067	12042	Sisma X SLV	77.2	0	0	0	1.3E2	1.478	29068	12042	Sisma Y SLV	0	77.2	0	0	1.3E2	1.478
29069	12042	Sisma X SLO	41.2	0	0	0	1.3E2	1.478	29070	12042	Sisma Y SLO	0	41.2	0	0	1.3E2	1.478
29071	12042	Sisma X SLD	34.2	0	0	0	1.3E2	1.478	29072	12042	Sisma Y SLD	0	34.2	0	0	1.3E2	1.478
29073	12043	Sisma X SLV	73.1	0	0	0	1.2E2	1.478	29074	12043	Sisma Y SLV	0	73.1	0	0	1.2E2	1.478
29075	12043	Sisma X SLO	39	0	0	0	1.2E2	1.478	29076	12043	Sisma Y SLO	0	39	0	0	1.2E2	1.478
29077	12043	Sisma X SLD	32.4	0	0	0	1.2E2	1.478	29078	12043	Sisma Y SLD	0	32.4	0	0	1.2E2	1.478
29079	12044	Sisma X SLV	79.8	0	0	0	1.4E2	1.479	29080	12044	Sisma Y SLV	0	79.8	0	0	1.4E2	1.479
29081	12044	Sisma X SLO	42.5	0	0	0	1.4E2	1.479	29082	12044	Sisma Y SLO	0	42.5	0	0	1.4E2	1.479
29083	12044	Sisma X SLD	35.3	0	0	0	1.4E2	1.479	29084	12044	Sisma Y SLD	0	35.3	0	0	1.4E2	1.479
29085	12045	Sisma X SLV	73.5	0	0	0	1.2E2	1.479	29086	12045	Sisma Y SLV	0	73.5	0	0	1.2E2	1.479
29087	12045	Sisma X SLO	39.2	0	0	0	1.2E2	1.479	29088	12045	Sisma Y SLO	0	39.2	0	0	1.2E2	1.479
29089	12045	Sisma X SLD	32.5	0	0	0	1.2E2	1.479	29090	12045	Sisma Y SLD	0	32.5	0	0	1.2E2	1.479
29091	12046	Sisma X SLV	79	0	0	0	1.3E2	1.48	29092	12046	Sisma Y SLV	0	79	0	0	1.3E2	1.48
29093	12046	Sisma X SLO	42.1	0	0	0	1.3E2	1.48	29094	12046	Sisma Y SLO	0	42.1	0	0	1.3E2	1.48
29095	12046	Sisma X SLD	35	0	0	0	1.3E2	1.48	29096	12046	Sisma Y SLD	0	35	0	0	1.3E2	1.48
29097	12047	Sisma X SLV	65	0	0	0	1.1E2	1.48	29098	12047	Sisma Y SLV	0	65	0	0	1.1E2	1.48
29099	12047	Sisma X SLO	34.7	0	0	0	1.1E2	1.48	29100	12047	Sisma Y SLO	0	34.7	0	0	1.1E2	1.48
29101	12047	Sisma X SLD	28.8	0	0	0	1.1E2	1.48	29102	12047	Sisma Y SLD	0	28.8	0	0	1.1E2	1.48
29103	12048	Sisma X SLV	72.9	0	0	0	1.2E2	1.48	29104	12048	Sisma Y SLV	0	72.9	0	0	1.2E2	1.48
29105	12048	Sisma X SLO	38.9	0	0	0	1.2E2	1.48	29106	12048	Sisma Y SLO	0	38.9	0	0	1.2E2	1.48
29107	12048	Sisma X SLD	32.3	0	0	0	1.2E2	1.48	29108	12048	Sisma Y SLD	0	32.3	0	0	1.2E2	1.48
29109	12049	Sisma X SLV	36.9	0	0	0	6.2E1	1.481	29110	12049	Sisma Y SLV	0	36.9	0	0	6.2E1	1.481
29111	12049	Sisma X SLO	19.7	0	0	0	6.2E1	1.481	29112	12049	Sisma Y SLO	0	19.7	0	0	6.2E1	1.481

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
29113	12049	Sisma X SLD	16.3	0	0	0	6.2E1	1.481	29114	12049	Sisma Y SLD	0	16.3	0	0	6.2E1	1.481
29115	12050	Sisma X SLV	66.8	0	0	0	1.1E2	1.481	29116	12050	Sisma Y SLV	0	66.8	0	0	1.1E2	1.481
29117	12050	Sisma X SLO	35.6	0	0	0	1.1E2	1.481	29118	12050	Sisma Y SLO	0	35.6	0	0	1.1E2	1.481
29119	12050	Sisma X SLD	29.6	0	0	0	1.1E2	1.481	29120	12050	Sisma Y SLD	0	29.6	0	0	1.1E2	1.481
29121	12051	Sisma X SLV	44.6	0	0	0	7.5E1	1.481	29122	12051	Sisma Y SLV	0	44.6	0	0	7.5E1	1.481
29123	12051	Sisma X SLO	23.8	0	0	0	7.5E1	1.481	29124	12051	Sisma Y SLO	0	23.8	0	0	7.5E1	1.481
29125	12051	Sisma X SLD	19.7	0	0	0	7.5E1	1.481	29126	12051	Sisma Y SLD	0	19.7	0	0	7.5E1	1.481
29127	12052	Sisma X SLV	18.1	0	0	0	3.1E1	1.481	29128	12052	Sisma Y SLV	0	18.1	0	0	3.1E1	1.481
29129	12052	Sisma X SLO	9.7	0	0	0	3.1E1	1.481	29130	12052	Sisma Y SLO	0	9.7	0	0	3.1E1	1.481
29131	12052	Sisma X SLD	8	0	0	0	3.1E1	1.481	29132	12052	Sisma Y SLD	0	8	0	0	3.1E1	1.481
29133	12053	Sisma X SLV	46.6	0	0	0	7.9E1	1.481	29134	12053	Sisma Y SLV	0	46.6	0	0	7.9E1	1.481
29135	12053	Sisma X SLO	24.9	0	0	0	7.9E1	1.481	29136	12053	Sisma Y SLO	0	24.9	0	0	7.9E1	1.481
29137	12053	Sisma X SLD	20.6	0	0	0	7.9E1	1.481	29138	12053	Sisma Y SLD	0	20.6	0	0	7.9E1	1.481
29139	12054	Sisma X SLV	42.2	0	0	0	7.1E1	1.481	29140	12054	Sisma Y SLV	0	42.2	0	0	7.1E1	1.481
29141	12054	Sisma X SLO	22.5	0	0	0	7.1E1	1.481	29142	12054	Sisma Y SLO	0	22.5	0	0	7.1E1	1.481
29143	12054	Sisma X SLD	18.7	0	0	0	7.1E1	1.481	29144	12054	Sisma Y SLD	0	18.7	0	0	7.1E1	1.481
29145	12055	Sisma X SLV	67.6	0	0	0	1.1E2	1.482	29146	12055	Sisma Y SLV	0	67.6	0	0	1.1E2	1.482
29147	12055	Sisma X SLO	36	0	0	0	1.1E2	1.482	29148	12055	Sisma Y SLO	0	36	0	0	1.1E2	1.482
29149	12055	Sisma X SLD	29.9	0	0	0	1.1E2	1.482	29150	12055	Sisma Y SLD	0	29.9	0	0	1.1E2	1.482
29151	12056	Sisma X SLV	61.9	0	0	0	1.0E2	1.482	29152	12056	Sisma Y SLV	0	61.9	0	0	1.0E2	1.482
29153	12056	Sisma X SLO	33	0	0	0	1.0E2	1.482	29154	12056	Sisma Y SLO	0	33	0	0	1.0E2	1.482
29155	12056	Sisma X SLD	27.4	0	0	0	1.0E2	1.482	29156	12056	Sisma Y SLD	0	27.4	0	0	1.0E2	1.482
29157	12057	Sisma X SLV	75.4	0	0	0	1.3E2	1.482	29158	12057	Sisma Y SLV	0	75.4	0	0	1.3E2	1.482
29159	12057	Sisma X SLO	40.2	0	0	0	1.3E2	1.482	29160	12057	Sisma Y SLO	0	40.2	0	0	1.3E2	1.482
29161	12057	Sisma X SLD	33.4	0	0	0	1.3E2	1.482	29162	12057	Sisma Y SLD	0	33.4	0	0	1.3E2	1.482
29163	12058	Sisma X SLV	81	0	0	0	1.4E2	1.482	29164	12058	Sisma Y SLV	0	81	0	0	1.4E2	1.482
29165	12058	Sisma X SLO	43.2	0	0	0	1.4E2	1.482	29166	12058	Sisma Y SLO	0	43.2	0	0	1.4E2	1.482
29167	12058	Sisma X SLD	35.9	0	0	0	1.4E2	1.482	29168	12058	Sisma Y SLD	0	35.9	0	0	1.4E2	1.482
29169	12059	Sisma X SLV	73.7	0	0	0	1.2E2	1.482	29170	12059	Sisma Y SLV	0	73.7	0	0	1.2E2	1.482
29171	12059	Sisma X SLO	39.3	0	0	0	1.2E2	1.482	29172	12059	Sisma Y SLO	0	39.3	0	0	1.2E2	1.482
29173	12059	Sisma X SLD	32.6	0	0	0	1.2E2	1.482	29174	12059	Sisma Y SLD	0	32.6	0	0	1.2E2	1.482
29175	12060	Sisma X SLV	78.9	0	0	0	1.3E2	1.483	29176	12060	Sisma Y SLV	0	78.9	0	0	1.3E2	1.483
29177	12060	Sisma X SLO	42	0	0	0	1.3E2	1.483	29178	12060	Sisma Y SLO	0	42	0	0	1.3E2	1.483
29179	12060	Sisma X SLD	34.9	0	0	0	1.3E2	1.483	29180	12060	Sisma Y SLD	0	34.9	0	0	1.3E2	1.483
29181	12061	Sisma X SLV	75	0	0	0	1.3E2	1.483	29182	12061	Sisma Y SLV	0	75	0	0	1.3E2	1.483
29183	12061	Sisma X SLO	40	0	0	0	1.3E2	1.483	29184	12061	Sisma Y SLO	0	40	0	0	1.3E2	1.483
29185	12061	Sisma X SLD	33.2	0	0	0	1.3E2	1.483	29186	12061	Sisma Y SLD	0	33.2	0	0	1.3E2	1.483
29187	12062	Sisma X SLV	73.6	0	0	0	1.2E2	1.483	29188	12062	Sisma Y SLV	0	73.6	0	0	1.2E2	1.483
29189	12062	Sisma X SLO	39.2	0	0	0	1.2E2	1.483	29190	12062	Sisma Y SLO	0	39.2	0	0	1.2E2	1.483
29191	12062	Sisma X SLD	32.6	0	0	0	1.2E2	1.483	29192	12062	Sisma Y SLD	0	32.6	0	0	1.2E2	1.483
29193	12063	Sisma X SLV	78.5	0	0	0	1.3E2	1.483	29194	12063	Sisma Y SLV	0	78.5	0	0	1.3E2	1.483
29195	12063	Sisma X SLO	41.8	0	0	0	1.3E2	1.483	29196	12063	Sisma Y SLO	0	41.8	0	0	1.3E2	1.483
29197	12063	Sisma X SLD	34.7	0	0	0	1.3E2	1.483	29198	12063	Sisma Y SLD	0	34.7	0	0	1.3E2	1.483
29199	12064	Sisma X SLV	80	0	0	0	1.3E2	1.483	29200	12064	Sisma Y SLV	0	80	0	0	1.3E2	1.483
29201	12064	Sisma X SLO	42.6	0	0	0	1.3E2	1.483	29202	12064	Sisma Y SLO	0	42.6	0	0	1.3E2	1.483
29203	12064	Sisma X SLD	35.4	0	0	0	1.3E2	1.483	29204	12064	Sisma Y SLD	0	35.4	0	0	1.3E2	1.483
29205	12065	Sisma X SLV	67.3	0	0	0	1.1E2	1.484	29206	12065	Sisma Y SLV	0	67.3	0	0	1.1E2	1.484
29207	12065	Sisma X SLO	35.9	0	0	0	1.1E2	1.484	29208	12065	Sisma Y SLO	0	35.9	0	0	1.1E2	1.484
29209	12065	Sisma X SLD	29.8	0	0	0	1.1E2	1.484	29210	12065	Sisma Y SLD	0	29.8	0	0	1.1E2	1.484
29211	12066	Sisma X SLV	65.8	0	0	0	1.1E2	1.484	29212	12066	Sisma Y SLV	0	65.8	0	0	1.1E2	1.484
29213	12066	Sisma X SLO	35.1	0	0	0	1.1E2	1.484	29214	12066	Sisma Y SLO	0	35.1	0	0	1.1E2	1.484
29215	12066	Sisma X SLD	29.1	0	0	0	1.1E2	1.484	29216	12066	Sisma Y SLD	0	29.1	0	0	1.1E2	1.484
29217	12067	Sisma X SLV	58.8	0	0	0	9.9E1	1.484	29218	12067	Sisma Y SLV	0	58.8	0	0	9.9E1	1.484
29219	12067	Sisma X SLO	31.3	0	0	0	9.9E1	1.484	29220	12067	Sisma Y SLO	0	31.3	0	0	9.9E1	1.484
29221	12067	Sisma X SLD	26	0	0	0	9.9E1	1.484	29222	12067	Sisma Y SLD	0	26	0	0	9.9E1	1.484
29223	12068	Sisma X SLV	65.9	0	0	0	1.1E2	1.484	29224	12068	Sisma Y SLV	0	65.9	0	0	1.1E2	1.484
29225	12068	Sisma X SLO	35.2	0	0	0	1.1E2	1.484	29226	12068	Sisma Y SLO	0	35.2	0	0	1.1E2	1.484
29227	12068	Sisma X SLD	29.2	0	0	0	1.1E2	1.484	29228	12068	Sisma Y SLD	0	29.2	0	0	1.1E2	1.484
29229	12069	Sisma X SLV	61.1	0	0	0	103	1.485	29230	12069	Sisma Y SLV	0	61.1	0	0	103	1.485
29231	12069	Sisma X SLO	32.6	0	0	0	103	1.485	29232	12069	Sisma Y SLO	0	32.6	0	0	103	1.485
29233	12069	Sisma X SLD	27	0	0	0	103	1.485	29234	12069	Sisma Y SLD	0	27	0	0	103	1.485
29235	12070	Sisma X SLV	77	0	0	0	1.3E2	1.485	29236	12070	Sisma Y SLV	0	77	0	0	1.3E2	1.485
29237	12070	Sisma X SLO	41.1	0	0	0	1.3E2	1.485	29238	12070	Sisma Y SLO	0	41.1	0	0	1.3E2	1.485
29239	12070	Sisma X SLD	34.1	0	0	0	1.3E2	1.485	29240	12070	Sisma Y SLD	0	34.1	0	0	1.3E2	1.485
29241	12071	Sisma X SLV	29.6	0	0	0	5.0E1	1.485	29242	12071	Sisma Y SLV	0	29.6	0	0	5.0E1	1.485
29243	12071	Sisma X SLO	15.8	0	0	0	5.0E1	1.485	29244	12071	Sisma Y SLO	0	15.8	0	0	5.0E1	1.485
29245	12071	Sisma X SLD	13.1	0	0	0	5.0E1	1.485	29246	12071	Sisma Y SLD	0	13.1	0	0	5.0E1	1.485
29247	12072	Sisma X SLV	80.6	0	0	0	1.4E2	1.485	29248	12072	Sisma Y SLV	0	80.6	0	0	1.4E2	1.485
29249	12072	Sisma X SLO	43	0	0	0	1.4E2	1.485	29250	12072	Sisma Y SLO	0	43	0	0	1.4E2	1.485
29251	12072	Sisma X SLD	35.7	0	0	0	1.4E2	1.485	29252	12072	Sisma Y SLD	0	35.7	0	0	1.4E2	1.485
29253	12073	Sisma X SLV	32.1	0	0	0	5.4E1	1.486	29254	12073	Sisma Y SLV	0	32.1	0	0	5.4E1	1.486
29255	12073	Sisma X SLO	17.1	0	0	0	5.4E1	1.486	29256	12073	Sisma Y SLO	0	17.1	0	0	5.4E1	1.486
29257	12073	Sisma X SLD	14.2	0	0	0	5.4E1	1.486	29258	12073	Sisma Y SLD	0	14.2	0	0	5.4E1	1.486
29259	12074	Sisma X SLV	32.8	0	0	0	5.5E1	1.486	29260	12074	Sisma Y SLV	0	32.8	0	0	5.5E1	1.486
29261	12074	Sisma X SLO	17.5	0	0	0	5.5E1	1.486	29262	12074	Sisma Y SLO	0	17.5	0	0	5.5E1	1.486
29263	12074	Sisma X SLD	14.5	0	0	0	5.5E1	1.486	29264	12074	Sisma Y SLD	0	14.5	0	0	5.5E1	1.486
29265	12075	Sisma X SLV	65.7	0	0	0	1.1E2	1.486	29266	12075	Sisma Y SLV	0	65.7	0	0	1.1E2	1.486
29267	12075	Sisma X SLO	35	0	0	0	1.1E2	1.486	29268	12075	Sisma Y SLO	0	35	0	0	1.1E2	1.486
29269	12075	Sisma X SLD	29.1	0	0	0	1.1E2	1.486	29270	12075	Sisma Y SLD	0	29.1	0	0	1.1E2	1.486
29271	12076	Sisma X SLV	51.9	0	0	0	8.7E1	1.486	29272	12076	Sisma Y SLV	0	51.9	0	0	8.7E1	1.486
29273	12076	Sisma X SLO	27.7	0	0	0	8.7E1	1.486	29274	12076	Sisma Y SLO	0	27.7	0	0	8.7E1	1.486
29275	12076	Sisma X SLD	23	0	0	0	8.7E1	1.486	29276	12076	Sisma Y SLD	0	23	0	0	8.7E1	1.486
29277	12077	Sisma X SLV	74.8	0	0	0	1.3E2	1.486	29278	12077	Sisma Y SLV	0	74.8	0	0	1.3E2	1.486
29279	12077	Sisma X SLO	39.9	0	0	0	1.3E2	1.486	29280	12077	Sisma Y SLO	0	39.9	0	0	1.3E2	1.486
29281	12077	Sisma X SLD	33.1	0	0	0	1.3E2	1.486	29282	12077	Sisma Y SLD	0	33.1	0	0	1.3E2	1.486
29283	12078	Sisma X SLV	64.9	0	0	0	1.1E2	1.487	29284	12078	Sisma Y SLV	0	64.9	0	0	1.1E2	1.487
29285	12078	Sisma X SLO	34.6	0	0	0	1.1E2	1.487	29286	12078	Sisma Y SLO	0	34.6	0	0	1.1E2	1.487
29287	12078	Sisma X SLD	28.7	0	0	0	1.1E2	1.487	29288	12078	Sisma Y SLD	0	28.7	0	0	1.1E2	1.487
29289	12079	Sisma X SLV	58.2	0	0	0	9.8E1	1.488	29290	12079	Sisma Y SLV	0	58.2	0	0	9.8E1	1.488
29291	12079	Sisma X SLO	31	0	0	0	9.8E1	1.488	29292	12079	Sisma Y SLO	0	31	0	0	9.8E1	1.488
29293	12079	Sisma X SLD	25.7	0	0	0	9.8E1	1.488	29294	12079	Sisma Y SLD	0	25.7	0	0	9.8E1	1.488
29295	12080	Sisma X SLV	72.7	0	0	0	1.2E2	1.489	29296	12080	Sisma Y SLV	0	72.7	0	0	1.2E2	1.489
29297	12080	Sisma X SLO	38.8	0	0	0	1.2E2	1.489	29298	12080	Sisma Y SLO	0	38.8	0	0	1.2E2	1.489
29299	12080	Sisma X SLD	32.2	0	0	0	1.2E2	1.489	29300	12080	Sisma Y SLD	0	32.2	0	0	1.2E2	1.489
29301	12081	Sisma X SLV	78	0	0	0	1.3E2	1.489	29302	12081	Sisma Y SLV	0	78	0	0	1.3E2	1.489
29303	12081	Sisma X SLO	41.6	0	0	0	1.3E2	1.489	29304	12081	Sisma Y SLO	0	41.6	0	0	1.3E2	1.489
29305	12081	Sisma X SLD	34.5	0	0	0	1.3E2	1.489	29306	12081	Sisma Y SLD	0	34.5	0	0	1.3E2	1.489
29307	12082	Sisma X SLV	68.5	0	0	0	1.2E2	1.49	29308	12082	Sisma Y SLV	0	68.5	0	0	1.2E2	1.49
29309	12082	Sisma X SLO	36.5	0	0	0	1.2E2	1.49	29310	12082	Sisma Y SLO	0	36.5	0	0	1.2E2	1.49
29311	12082	Sisma X SLD	30.3	0	0	0	1.2E2	1.49	29312	12082	Sisma Y SLD	0	30.3	0	0	1.2E2	1.49

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
29313	12083	Sisma X SLV	72.3	0	0	0	1.2E2	1.49	29314	12083	Sisma Y SLV	0	72.3	0	0	1.2E2	1.49
29315	12083	Sisma X SLO	38.6	0	0	0	1.2E2	1.49	29316	12083	Sisma Y SLO	0	38.6	0	0	1.2E2	1.49
29317	12083	Sisma X SLD	32	0	0	0	1.2E2	1.49	29318	12083	Sisma Y SLD	0	32	0	0	1.2E2	1.49
29319	12084	Sisma X SLV	51.1	0	0	0	8.6E1	1.491	29320	12084	Sisma Y SLV	0	51.1	0	0	8.6E1	1.491
29321	12084	Sisma X SLO	27.2	0	0	0	8.6E1	1.491	29322	12084	Sisma Y SLO	0	27.2	0	0	8.6E1	1.491
29323	12084	Sisma X SLD	22.6	0	0	0	8.6E1	1.491	29324	12084	Sisma Y SLD	0	22.6	0	0	8.6E1	1.491
29325	12085	Sisma X SLV	58.3	0	0	0	9.8E1	1.491	29326	12085	Sisma Y SLV	0	58.3	0	0	9.8E1	1.491
29327	12085	Sisma X SLO	31.1	0	0	0	9.8E1	1.491	29328	12085	Sisma Y SLO	0	31.1	0	0	9.8E1	1.491
29329	12085	Sisma X SLD	25.8	0	0	0	9.8E1	1.491	29330	12085	Sisma Y SLD	0	25.8	0	0	9.8E1	1.491
29331	12086	Sisma X SLV	66.5	0	0	0	1.1E2	1.491	29332	12086	Sisma Y SLV	0	66.5	0	0	1.1E2	1.491
29333	12086	Sisma X SLO	35.5	0	0	0	1.1E2	1.491	29334	12086	Sisma Y SLO	0	35.5	0	0	1.1E2	1.491
29335	12086	Sisma X SLD	29.4	0	0	0	1.1E2	1.491	29336	12086	Sisma Y SLD	0	29.4	0	0	1.1E2	1.491
29337	12087	Sisma X SLV	69.9	0	0	0	1.2E2	1.492	29338	12087	Sisma Y SLV	0	69.9	0	0	1.2E2	1.492
29339	12087	Sisma X SLO	37.3	0	0	0	1.2E2	1.492	29340	12087	Sisma Y SLO	0	37.3	0	0	1.2E2	1.492
29341	12087	Sisma X SLD	30.9	0	0	0	1.2E2	1.492	29342	12087	Sisma Y SLD	0	30.9	0	0	1.2E2	1.492
29343	12088	Sisma X SLV	63	0	0	0	1.1E2	1.492	29344	12088	Sisma Y SLV	0	63	0	0	1.1E2	1.492
29345	12088	Sisma X SLO	33.6	0	0	0	1.1E2	1.492	29346	12088	Sisma Y SLO	0	33.6	0	0	1.1E2	1.492
29347	12088	Sisma X SLD	27.9	0	0	0	1.1E2	1.492	29348	12088	Sisma Y SLD	0	27.9	0	0	1.1E2	1.492
29349	12089	Sisma X SLV	65.8	0	0	0	1.1E2	1.492	29350	12089	Sisma Y SLV	0	65.8	0	0	1.1E2	1.492
29351	12089	Sisma X SLO	35.1	0	0	0	1.1E2	1.492	29352	12089	Sisma Y SLO	0	35.1	0	0	1.1E2	1.492
29353	12089	Sisma X SLD	29.1	0	0	0	1.1E2	1.492	29354	12089	Sisma Y SLD	0	29.1	0	0	1.1E2	1.492
29355	12090	Sisma X SLV	57.9	0	0	0	9.7E1	1.493	29356	12090	Sisma Y SLV	0	57.9	0	0	9.7E1	1.493
29357	12090	Sisma X SLO	30.9	0	0	0	9.7E1	1.493	29358	12090	Sisma Y SLO	0	30.9	0	0	9.7E1	1.493
29359	12090	Sisma X SLD	25.6	0	0	0	9.7E1	1.493	29360	12090	Sisma Y SLD	0	25.6	0	0	9.7E1	1.493
29361	12091	Sisma X SLV	58.8	0	0	0	9.9E1	1.493	29362	12091	Sisma Y SLV	0	58.8	0	0	9.9E1	1.493
29363	12091	Sisma X SLO	31.3	0	0	0	9.9E1	1.493	29364	12091	Sisma Y SLO	0	31.3	0	0	9.9E1	1.493
29365	12091	Sisma X SLD	26	0	0	0	9.9E1	1.493	29366	12091	Sisma Y SLD	0	26	0	0	9.9E1	1.493
29367	12092	Sisma X SLV	76.8	0	0	0	1.3E2	1.493	29368	12092	Sisma Y SLV	0	76.8	0	0	1.3E2	1.493
29369	12092	Sisma X SLO	41	0	0	0	1.3E2	1.493	29370	12092	Sisma Y SLO	0	41	0	0	1.3E2	1.493
29371	12092	Sisma X SLD	34	0	0	0	1.3E2	1.493	29372	12092	Sisma Y SLD	0	34	0	0	1.3E2	1.493
29373	12093	Sisma X SLV	42.7	0	0	0	7.2E1	1.493	29374	12093	Sisma Y SLV	0	42.7	0	0	7.2E1	1.493
29375	12093	Sisma X SLO	22.8	0	0	0	7.2E1	1.493	29376	12093	Sisma Y SLO	0	22.8	0	0	7.2E1	1.493
29377	12093	Sisma X SLD	18.9	0	0	0	7.2E1	1.493	29378	12093	Sisma Y SLD	0	18.9	0	0	7.2E1	1.493
29379	12094	Sisma X SLV	59.4	0	0	0	9.9E1	1.493	29380	12094	Sisma Y SLV	0	59.4	0	0	9.9E1	1.493
29381	12094	Sisma X SLO	31.7	0	0	0	9.9E1	1.493	29382	12094	Sisma Y SLO	0	31.7	0	0	9.9E1	1.493
29383	12094	Sisma X SLD	26.3	0	0	0	9.9E1	1.493	29384	12094	Sisma Y SLD	0	26.3	0	0	9.9E1	1.493
29385	12095	Sisma X SLV	47.8	0	0	0	8.0E1	1.494	29386	12095	Sisma Y SLV	0	47.8	0	0	8.0E1	1.494
29387	12095	Sisma X SLO	25.5	0	0	0	8.0E1	1.494	29388	12095	Sisma Y SLO	0	25.5	0	0	8.0E1	1.494
29389	12095	Sisma X SLD	21.2	0	0	0	8.0E1	1.494	29390	12095	Sisma Y SLD	0	21.2	0	0	8.0E1	1.494
29391	12096	Sisma X SLV	31.8	0	0	0	53.23	1.494	29392	12096	Sisma Y SLV	0	31.8	0	0	53.23	1.494
29393	12096	Sisma X SLO	16.9	0	0	0	53.23	1.494	29394	12096	Sisma Y SLO	0	16.9	0	0	53.23	1.494
29395	12096	Sisma X SLD	14.1	0	0	0	53.23	1.494	29396	12096	Sisma Y SLD	0	14.1	0	0	53.23	1.494
29397	12097	Sisma X SLV	44.2	0	0	0	7.4E1	1.494	29398	12097	Sisma Y SLV	0	44.2	0	0	7.4E1	1.494
29399	12097	Sisma X SLO	23.6	0	0	0	7.4E1	1.494	29400	12097	Sisma Y SLO	0	23.6	0	0	7.4E1	1.494
29401	12097	Sisma X SLD	19.6	0	0	0	7.4E1	1.494	29402	12097	Sisma Y SLD	0	19.6	0	0	7.4E1	1.494
29403	12098	Sisma X SLV	48	0	0	0	8.0E1	1.495	29404	12098	Sisma Y SLV	0	48	0	0	8.0E1	1.495
29405	12098	Sisma X SLO	25.6	0	0	0	8.0E1	1.495	29406	12098	Sisma Y SLO	0	25.6	0	0	8.0E1	1.495
29407	12098	Sisma X SLD	21.3	0	0	0	8.0E1	1.495	29408	12098	Sisma Y SLD	0	21.3	0	0	8.0E1	1.495
29409	12099	Sisma X SLV	42.1	0	0	0	7.0E1	1.495	29410	12099	Sisma Y SLV	0	42.1	0	0	7.0E1	1.495
29411	12099	Sisma X SLO	22.4	0	0	0	7.0E1	1.495	29412	12099	Sisma Y SLO	0	22.4	0	0	7.0E1	1.495
29413	12099	Sisma X SLD	18.6	0	0	0	7.0E1	1.495	29414	12099	Sisma Y SLD	0	18.6	0	0	7.0E1	1.495
29415	12100	Sisma X SLV	67.3	0	0	0	1.1E2	1.496	29416	12100	Sisma Y SLV	0	67.3	0	0	1.1E2	1.496
29417	12100	Sisma X SLO	35.9	0	0	0	1.1E2	1.496	29418	12100	Sisma Y SLO	0	35.9	0	0	1.1E2	1.496
29419	12100	Sisma X SLD	29.8	0	0	0	1.1E2	1.496	29420	12100	Sisma Y SLD	0	29.8	0	0	1.1E2	1.496
29421	12101	Sisma X SLV	49.8	0	0	0	8.3E1	1.496	29422	12101	Sisma Y SLV	0	49.8	0	0	8.3E1	1.496
29423	12101	Sisma X SLO	26.5	0	0	0	8.3E1	1.496	29424	12101	Sisma Y SLO	0	26.5	0	0	8.3E1	1.496
29425	12101	Sisma X SLD	22	0	0	0	8.3E1	1.496	29426	12101	Sisma Y SLD	0	22	0	0	8.3E1	1.496
29427	12102	Sisma X SLV	62.6	0	0	0	1.0E2	1.496	29428	12102	Sisma Y SLV	0	62.6	0	0	1.0E2	1.496
29429	12102	Sisma X SLO	33.4	0	0	0	1.0E2	1.496	29430	12102	Sisma Y SLO	0	33.4	0	0	1.0E2	1.496
29431	12102	Sisma X SLD	27.7	0	0	0	1.0E2	1.496	29432	12102	Sisma Y SLD	0	27.7	0	0	1.0E2	1.496
29433	12103	Sisma X SLV	64.8	0	0	0	1.1E2	1.496	29434	12103	Sisma Y SLV	0	64.8	0	0	1.1E2	1.496
29435	12103	Sisma X SLO	34.5	0	0	0	1.1E2	1.496	29436	12103	Sisma Y SLO	0	34.5	0	0	1.1E2	1.496
29437	12103	Sisma X SLD	28.7	0	0	0	1.1E2	1.496	29438	12103	Sisma Y SLD	0	28.7	0	0	1.1E2	1.496
29439	12104	Sisma X SLV	42.4	0	0	0	7.1E1	1.496	29440	12104	Sisma Y SLV	0	42.4	0	0	7.1E1	1.496
29441	12104	Sisma X SLO	22.6	0	0	0	7.1E1	1.496	29442	12104	Sisma Y SLO	0	22.6	0	0	7.1E1	1.496
29443	12104	Sisma X SLD	18.8	0	0	0	7.1E1	1.496	29444	12104	Sisma Y SLD	0	18.8	0	0	7.1E1	1.496
29445	12105	Sisma X SLV	69	0	0	0	1.2E2	1.496	29446	12105	Sisma Y SLV	0	69	0	0	1.2E2	1.496
29447	12105	Sisma X SLO	36.8	0	0	0	1.2E2	1.496	29448	12105	Sisma Y SLO	0	36.8	0	0	1.2E2	1.496
29449	12105	Sisma X SLD	30.5	0	0	0	1.2E2	1.496	29450	12105	Sisma Y SLD	0	30.5	0	0	1.2E2	1.496
29451	12106	Sisma X SLV	30.6	0	0	0	5.1E1	1.496	29452	12106	Sisma Y SLV	0	30.6	0	0	5.1E1	1.496
29453	12106	Sisma X SLO	16.3	0	0	0	5.1E1	1.496	29454	12106	Sisma Y SLO	0	16.3	0	0	5.1E1	1.496
29455	12106	Sisma X SLD	13.5	0	0	0	5.1E1	1.496	29456	12106	Sisma Y SLD	0	13.5	0	0	5.1E1	1.496
29457	12107	Sisma X SLV	58	0	0	0	9.7E1	1.496	29458	12107	Sisma Y SLV	0	58	0	0	9.7E1	1.496
29459	12107	Sisma X SLO	30.9	0	0	0	9.7E1	1.496	29460	12107	Sisma Y SLO	0	30.9	0	0	9.7E1	1.496
29461	12107	Sisma X SLD	25.7	0	0	0	9.7E1	1.496	29462	12107	Sisma Y SLD	0	25.7	0	0	9.7E1	1.496
29463	12108	Sisma X SLV	56.2	0	0	0	9.4E1	1.496	29464	12108	Sisma Y SLV	0	56.2	0	0	9.4E1	1.496
29465	12108	Sisma X SLO	30	0	0	0	9.4E1	1.496	29466	12108	Sisma Y SLO	0	30	0	0	9.4E1	1.496
29467	12108	Sisma X SLD	24.9	0	0	0	9.4E1	1.496	29468	12108	Sisma Y SLD	0	24.9	0	0	9.4E1	1.496
29469	12109	Sisma X SLV	58.6	0	0	0	9.8E1	1.497	29470	12109	Sisma Y SLV	0	58.6	0	0	9.8E1	1.497
29471	12109	Sisma X SLO	31.2	0	0	0	9.8E1	1.497	29472	12109	Sisma Y SLO	0	31.2	0	0	9.8E1	1.497
29473	12109	Sisma X SLD	25.9	0	0	0	9.8E1	1.497	29474	12109	Sisma Y SLD	0	25.9	0	0	9.8E1	1.497
29475	12110	Sisma X SLV	59.6	0	0	0	1.0E2	1.497	29476	12110	Sisma Y SLV	0	59.6	0	0	1.0E2	1.497
29477	12110	Sisma X SLO	31.8	0	0	0	1.0E2	1.497	29478	12110	Sisma Y SLO	0	31.8	0	0	1.0E2	1.497
29479	12110	Sisma X SLD	26.4	0	0	0	1.0E2	1.497	29480	12110	Sisma Y SLD	0	26.4	0	0	1.0E2	1.497
29481	12111	Sisma X SLV	64.9	0	0	0	1.1E2	1.497	29482	12111	Sisma Y SLV	0	64.9	0	0	1.1E2	1.497
29483	12111	Sisma X SLO	34.6	0	0	0	1.1E2	1.497	29484	12111	Sisma Y SLO	0	34.6	0	0	1.1E2	1.497
29485	12111	Sisma X SLD	28.7	0	0	0	1.1E2	1.497	29486	12111	Sisma Y SLD	0	28.7	0	0	1.1E2	1.497
29487	12112	Sisma X SLV	63.6	0	0	0	1.1E2	1.497	29488	12112	Sisma Y SLV	0	63.6	0	0	1.1E2	1.497
29489	12112	Sisma X SLO	33.9	0	0	0	1.1E2	1.497	29490	12112	Sisma Y SLO	0	33.9	0	0	1.1E2	1.497
29491	12112	Sisma X SLD	28.1	0	0	0	1.1E2	1.497	29492	12112	Sisma Y SLD	0	28.1	0	0	1.1E2	1.497
29493	12113	Sisma X SLV	65.6	0	0	0	1.1E2	1.498	29494	12113	Sisma Y SLV	0	65.6	0	0	1.1E2	1.498
29495	12113	Sisma X SLO	35	0	0	0	1.1E2	1.498	29496	12113	Sisma Y SLO	0	35	0	0	1.1E2	1.498
29497	12113	Sisma X SLD	29	0	0	0	1.1E2	1.498	29498	12113	Sisma Y SLD	0	29	0	0	1.1E2	1.498
29499	12114	Sisma X SLV	26.7	0	0	0	4.5E1	1.498	29500	12114	Sisma Y SLV	0	26.7	0	0	4.5E1	1.498
29501	12114	Sisma X SLO	14.3	0	0	0	4.5E1	1.498	29502	12114	Sisma Y SLO	0	14.3	0	0	4.5E1	1.498
29503	12114	Sisma X SLD	11.8	0	0	0	4.5E1	1.498	29504	12114	Sisma Y SLD	0	11.8	0	0	4.5E1	1.498
29505	12115	Sisma X SLV	63	0	0	0	1.1E2	1.498	29506	12115	Sisma Y SLV	0	63	0	0	1.1E2	1.498
29507	12115	Sisma X SLO	33.6	0	0	0	1.1E2	1.498	29508	12115	Sisma Y SLO	0	33.6	0	0	1.1E2	1.498
29509	12115	Sisma X SLD	27.9	0	0	0	1.1E2	1.498	29510	12115	Sisma Y SLD	0	27.9	0	0	1.1E2	1.498
29511	12116	Sisma X SLV	43.5	0	0	0	7.3E1	1.498	29512	12116	Sisma Y SLV	0	43.5	0	0	7.3E1	1.498

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
29513	12116	Sisma X SLO	23.2	0	0	0	7.3E1	1.498	29514	12116	Sisma Y SLO	0	23.2	0	0	7.3E1	1.498
29515	12116	Sisma X SLD	19.2	0	0	0	7.3E1	1.498	29516	12116	Sisma Y SLD	0	19.2	0	0	7.3E1	1.498
29517	12117	Sisma X SLV	57.1	0	0	0	9.5E1	1.498	29518	12117	Sisma Y SLV	0	57.1	0	0	9.5E1	1.498
29519	12117	Sisma X SLO	30.4	0	0	0	9.5E1	1.498	29520	12117	Sisma Y SLO	0	30.4	0	0	9.5E1	1.498
29521	12117	Sisma X SLD	25.3	0	0	0	9.5E1	1.498	29522	12117	Sisma Y SLD	0	25.3	0	0	9.5E1	1.498
29523	12118	Sisma X SLV	58	0	0	0	9.7E1	1.498	29524	12118	Sisma Y SLV	0	58	0	0	9.7E1	1.498
29525	12118	Sisma X SLO	30.9	0	0	0	9.7E1	1.498	29526	12118	Sisma Y SLO	0	30.9	0	0	9.7E1	1.498
29527	12118	Sisma X SLD	25.7	0	0	0	9.7E1	1.498	29528	12118	Sisma Y SLD	0	25.7	0	0	9.7E1	1.498
29529	12119	Sisma X SLV	51.7	0	0	0	8.6E1	1.498	29530	12119	Sisma Y SLV	0	51.7	0	0	8.6E1	1.498
29531	12119	Sisma X SLO	27.6	0	0	0	8.6E1	1.498	29532	12119	Sisma Y SLO	0	27.6	0	0	8.6E1	1.498
29533	12119	Sisma X SLD	22.9	0	0	0	8.6E1	1.498	29534	12119	Sisma Y SLD	0	22.9	0	0	8.6E1	1.498
29535	12120	Sisma X SLV	54.8	0	0	0	9.1E1	1.499	29536	12120	Sisma Y SLV	0	54.8	0	0	9.1E1	1.499
29537	12120	Sisma X SLO	29.2	0	0	0	9.1E1	1.499	29538	12120	Sisma Y SLO	0	29.2	0	0	9.1E1	1.499
29539	12120	Sisma X SLD	24.2	0	0	0	9.1E1	1.499	29540	12120	Sisma Y SLD	0	24.2	0	0	9.1E1	1.499
29541	12121	Sisma X SLV	58.7	0	0	0	9.8E1	1.499	29542	12121	Sisma Y SLV	0	58.7	0	0	9.8E1	1.499
29543	12121	Sisma X SLO	31.3	0	0	0	9.8E1	1.499	29544	12121	Sisma Y SLO	0	31.3	0	0	9.8E1	1.499
29545	12121	Sisma X SLD	26	0	0	0	9.8E1	1.499	29546	12121	Sisma Y SLD	0	26	0	0	9.8E1	1.499
29547	12122	Sisma X SLV	41.2	0	0	0	6.9E1	1.499	29548	12122	Sisma Y SLV	0	41.2	0	0	6.9E1	1.499
29549	12122	Sisma X SLO	22	0	0	0	6.9E1	1.499	29550	12122	Sisma Y SLO	0	22	0	0	6.9E1	1.499
29551	12122	Sisma X SLD	18.2	0	0	0	6.9E1	1.499	29552	12122	Sisma Y SLD	0	18.2	0	0	6.9E1	1.499
29553	12123	Sisma X SLV	63.3	0	0	0	1.1E2	1.499	29554	12123	Sisma Y SLV	0	63.3	0	0	1.1E2	1.499
29555	12123	Sisma X SLO	33.7	0	0	0	1.1E2	1.499	29556	12123	Sisma Y SLO	0	33.7	0	0	1.1E2	1.499
29557	12123	Sisma X SLD	28	0	0	0	1.1E2	1.499	29558	12123	Sisma Y SLD	0	28	0	0	1.1E2	1.499
29559	12124	Sisma X SLV	57.6	0	0	0	9.6E1	1.499	29560	12124	Sisma Y SLV	0	57.6	0	0	9.6E1	1.499
29561	12124	Sisma X SLO	30.7	0	0	0	9.6E1	1.499	29562	12124	Sisma Y SLO	0	30.7	0	0	9.6E1	1.499
29563	12124	Sisma X SLD	25.5	0	0	0	9.6E1	1.499	29564	12124	Sisma Y SLD	0	25.5	0	0	9.6E1	1.499
29565	12125	Sisma X SLV	62.4	0	0	0	1.0E2	1.499	29566	12125	Sisma Y SLV	0	62.4	0	0	1.0E2	1.499
29567	12125	Sisma X SLO	33.3	0	0	0	1.0E2	1.499	29568	12125	Sisma Y SLO	0	33.3	0	0	1.0E2	1.499
29569	12125	Sisma X SLD	27.6	0	0	0	1.0E2	1.499	29570	12125	Sisma Y SLD	0	27.6	0	0	1.0E2	1.499
29571	12126	Sisma X SLV	58.9	0	0	0	9.8E1	1.5	29572	12126	Sisma Y SLV	0	58.9	0	0	9.8E1	1.5
29573	12126	Sisma X SLO	31.4	0	0	0	9.8E1	1.5	29574	12126	Sisma Y SLO	0	31.4	0	0	9.8E1	1.5
29575	12126	Sisma X SLD	26.1	0	0	0	9.8E1	1.5	29576	12126	Sisma Y SLD	0	26.1	0	0	9.8E1	1.5
29577	12127	Sisma X SLV	58.1	0	0	0	9.7E1	1.5	29578	12127	Sisma Y SLV	0	58.1	0	0	9.7E1	1.5
29579	12127	Sisma X SLO	31	0	0	0	9.7E1	1.5	29580	12127	Sisma Y SLO	0	31	0	0	9.7E1	1.5
29581	12127	Sisma X SLD	25.7	0	0	0	9.7E1	1.5	29582	12127	Sisma Y SLD	0	25.7	0	0	9.7E1	1.5
29583	12128	Sisma X SLV	64.3	0	0	0	1.1E2	1.5	29584	12128	Sisma Y SLV	0	64.3	0	0	1.1E2	1.5
29585	12128	Sisma X SLO	34.3	0	0	0	1.1E2	1.5	29586	12128	Sisma Y SLO	0	34.3	0	0	1.1E2	1.5
29587	12128	Sisma X SLD	28.4	0	0	0	1.1E2	1.5	29588	12128	Sisma Y SLD	0	28.4	0	0	1.1E2	1.5
29589	12129	Sisma X SLV	55.8	0	0	0	9.3E1	1.5	29590	12129	Sisma Y SLV	0	55.8	0	0	9.3E1	1.5
29591	12129	Sisma X SLO	29.8	0	0	0	9.3E1	1.5	29592	12129	Sisma Y SLO	0	29.8	0	0	9.3E1	1.5
29593	12129	Sisma X SLD	24.7	0	0	0	9.3E1	1.5	29594	12129	Sisma Y SLD	0	24.7	0	0	9.3E1	1.5
29595	12130	Sisma X SLV	58.5	0	0	0	9.8E1	1.5	29596	12130	Sisma Y SLV	0	58.5	0	0	9.8E1	1.5
29597	12130	Sisma X SLO	31.2	0	0	0	9.8E1	1.5	29598	12130	Sisma Y SLO	0	31.2	0	0	9.8E1	1.5
29599	12130	Sisma X SLD	25.9	0	0	0	9.8E1	1.5	29600	12130	Sisma Y SLD	0	25.9	0	0	9.8E1	1.5
29601	12131	Sisma X SLV	61.8	0	0	0	1.0E2	1.5	29602	12131	Sisma Y SLV	0	61.8	0	0	1.0E2	1.5
29603	12131	Sisma X SLO	32.9	0	0	0	1.0E2	1.5	29604	12131	Sisma Y SLO	0	32.9	0	0	1.0E2	1.5
29605	12131	Sisma X SLD	27.3	0	0	0	1.0E2	1.5	29606	12131	Sisma Y SLD	0	27.3	0	0	1.0E2	1.5
29607	12132	Sisma X SLV	57.3	0	0	0	9.6E1	1.5	29608	12132	Sisma Y SLV	0	57.3	0	0	9.6E1	1.5
29609	12132	Sisma X SLO	30.6	0	0	0	9.6E1	1.5	29610	12132	Sisma Y SLO	0	30.6	0	0	9.6E1	1.5
29611	12132	Sisma X SLD	25.4	0	0	0	9.6E1	1.5	29612	12132	Sisma Y SLD	0	25.4	0	0	9.6E1	1.5
29613	12133	Sisma X SLV	60.1	0	0	0	1.0E2	1.5	29614	12133	Sisma Y SLV	0	60.1	0	0	1.0E2	1.5
29615	12133	Sisma X SLO	32.1	0	0	0	1.0E2	1.5	29616	12133	Sisma Y SLO	0	32.1	0	0	1.0E2	1.5
29617	12133	Sisma X SLD	26.6	0	0	0	1.0E2	1.5	29618	12133	Sisma Y SLD	0	26.6	0	0	1.0E2	1.5
29619	12134	Sisma X SLV	61.3	0	0	0	1.0E2	1.5	29620	12134	Sisma Y SLV	0	61.3	0	0	1.0E2	1.5
29621	12134	Sisma X SLO	32.7	0	0	0	1.0E2	1.5	29622	12134	Sisma Y SLO	0	32.7	0	0	1.0E2	1.5
29623	12134	Sisma X SLD	27.1	0	0	0	1.0E2	1.5	29624	12134	Sisma Y SLD	0	27.1	0	0	1.0E2	1.5
29625	12135	Sisma X SLV	52.3	0	0	0	8.7E1	1.5	29626	12135	Sisma Y SLV	0	52.3	0	0	8.7E1	1.5
29627	12135	Sisma X SLO	27.9	0	0	0	8.7E1	1.5	29628	12135	Sisma Y SLO	0	27.9	0	0	8.7E1	1.5
29629	12135	Sisma X SLD	23.2	0	0	0	8.7E1	1.5	29630	12135	Sisma Y SLD	0	23.2	0	0	8.7E1	1.5
29631	12136	Sisma X SLV	54.9	0	0	0	9.2E1	1.5	29632	12136	Sisma Y SLV	0	54.9	0	0	9.2E1	1.5
29633	12136	Sisma X SLO	29.3	0	0	0	9.2E1	1.5	29634	12136	Sisma Y SLO	0	29.3	0	0	9.2E1	1.5
29635	12136	Sisma X SLD	24.3	0	0	0	9.2E1	1.5	29636	12136	Sisma Y SLD	0	24.3	0	0	9.2E1	1.5
29637	12137	Sisma X SLV	43.8	0	0	0	7.3E1	1.5	29638	12137	Sisma Y SLV	0	43.8	0	0	7.3E1	1.5
29639	12137	Sisma X SLO	23.3	0	0	0	7.3E1	1.5	29640	12137	Sisma Y SLO	0	23.3	0	0	7.3E1	1.5
29641	12137	Sisma X SLD	19.4	0	0	0	7.3E1	1.5	29642	12137	Sisma Y SLD	0	19.4	0	0	7.3E1	1.5
29643	12138	Sisma X SLV	58.5	0	0	0	9.8E1	1.5	29644	12138	Sisma Y SLV	0	58.5	0	0	9.8E1	1.5
29645	12138	Sisma X SLO	31.2	0	0	0	9.8E1	1.5	29646	12138	Sisma Y SLO	0	31.2	0	0	9.8E1	1.5
29647	12138	Sisma X SLD	25.9	0	0	0	9.8E1	1.5	29648	12138	Sisma Y SLD	0	25.9	0	0	9.8E1	1.5
29649	12139	Sisma X SLV	55.6	0	0	0	92.75	1.5	29650	12139	Sisma Y SLV	0	55.6	0	0	92.75	1.5
29651	12139	Sisma X SLO	29.6	0	0	0	92.75	1.5	29652	12139	Sisma Y SLO	0	29.6	0	0	92.75	1.5
29653	12139	Sisma X SLD	24.6	0	0	0	92.75	1.5	29654	12139	Sisma Y SLD	0	24.6	0	0	92.75	1.5
29655	12140	Sisma X SLV	53.4	0	0	0	8.9E1	1.5	29656	12140	Sisma Y SLV	0	53.4	0	0	8.9E1	1.5
29657	12140	Sisma X SLO	28.4	0	0	0	8.9E1	1.5	29658	12140	Sisma Y SLO	0	28.4	0	0	8.9E1	1.5
29659	12140	Sisma X SLD	23.6	0	0	0	8.9E1	1.5	29660	12140	Sisma Y SLD	0	23.6	0	0	8.9E1	1.5
29661	12141	Sisma X SLV	26.2	0	0	0	4.4E1	1.5	29662	12141	Sisma Y SLV	0	26.2	0	0	4.4E1	1.5
29663	12141	Sisma X SLO	14	0	0	0	4.4E1	1.5	29664	12141	Sisma Y SLO	0	14	0	0	4.4E1	1.5
29665	12141	Sisma X SLD	11.6	0	0	0	4.4E1	1.5	29666	12141	Sisma Y SLD	0	11.6	0	0	4.4E1	1.5
29667	12142	Sisma X SLV	49.2	0	0	0	8.2E1	1.501	29668	12142	Sisma Y SLV	0	49.2	0	0	8.2E1	1.501
29669	12142	Sisma X SLO	26.2	0	0	0	8.2E1	1.501	29670	12142	Sisma Y SLO	0	26.2	0	0	8.2E1	1.501
29671	12142	Sisma X SLD	21.8	0	0	0	8.2E1	1.501	29672	12142	Sisma Y SLD	0	21.8	0	0	8.2E1	1.501
29673	12143	Sisma X SLV	51.8	0	0	0	8.6E1	1.501	29674	12143	Sisma Y SLV	0	51.8	0	0	8.6E1	1.501
29675	12143	Sisma X SLO	27.6	0	0	0	8.6E1	1.501	29676	12143	Sisma Y SLO	0	27.6	0	0	8.6E1	1.501
29677	12143	Sisma X SLD	22.9	0	0	0	8.6E1	1.501	29678	12143	Sisma Y SLD	0	22.9	0	0	8.6E1	1.501
29679	12144	Sisma X SLV	54.2	0	0	0	9.0E1	1.501	29680	12144	Sisma Y SLV	0	54.2	0	0	9.0E1	1.501
29681	12144	Sisma X SLO	28.9	0	0	0	9.0E1	1.501	29682	12144	Sisma Y SLO	0	28.9	0	0	9.0E1	1.501
29683	12144	Sisma X SLD	24	0	0	0	9.0E1	1.501	29684	12144	Sisma Y SLD	0	24	0	0	9.0E1	1.501
29685	12145	Sisma X SLV	61	0	0	0	1.0E2	1.501	29686	12145	Sisma Y SLV	0	61	0	0	1.0E2	1.501
29687	12145	Sisma X SLO	32.5	0	0	0	1.0E2	1.501	29688	12145	Sisma Y SLO	0	32.5	0	0	1.0E2	1.501
29689	12145	Sisma X SLD	27	0	0	0	1.0E2	1.501	29690	12145	Sisma Y SLD	0	27	0	0	1.0E2	1.501
29691	12146	Sisma X SLV	45.5	0	0	0	7.6E1	1.501	29692	12146	Sisma Y SLV	0	45.5	0	0	7.6E1	1.501
29693	12146	Sisma X SLO	24.2	0	0	0	7.6E1	1.501	29694	12146	Sisma Y SLO	0	24.2	0	0	7.6E1	1.501
29695	12146	Sisma X SLD	20.1	0	0	0	7.6E1	1.501	29696	12146	Sisma Y SLD	0	20.1	0	0	7.6E1	1.501
29697	12147	Sisma X SLV	59.3	0	0	0	9.9E1	1.501	29698	12147	Sisma Y SLV	0	59.3	0	0	9.9E1	1.501
29699	12147	Sisma X SLO	31.6	0	0	0	9.9E1	1.501	29700	12147	Sisma Y SLO	0	31.6	0	0	9.9E1	1.501
29701	12147	Sisma X SLD	26.2	0	0	0	9.9E1	1.501	29702	12147	Sisma Y SLD	0	26.2	0	0	9.9E1	1.501
29703	12148	Sisma X SLV	55.3	0	0	0	9.2E1	1.501	29704	12148	Sisma Y SLV	0	55.3	0	0	9.2E1	1.501
29705	12148	Sisma X SLO	29.5	0	0	0	9.2E1	1.501	29706	12148	Sisma Y SLO	0	29.5	0	0	9.2E1	1.501
29707	12148	Sisma X SLD	24.5	0	0	0	9.2E1	1.501	29708	12148	Sisma Y SLD	0	24.5	0	0	9.2E1	1.501
29709	12149	Sisma X SLV	30.4	0	0	0	5.1E1	1.501	29710	12149	Sisma Y SLV	0	30.4	0	0	5.1E1	1.501
29711	12149	Sisma X SLO	16.2	0	0	0	5.1E1	1.501	29712	12149	Sisma Y SLO	0	16.2	0	0	5.1E1	1.501

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
29713	12149	Sisma X SLD	13.5	0	0	0	5.1E1	1.501	29714	12149	Sisma Y SLD	0	13.5	0	0	5.1E1	1.501
29715	12150	Sisma X SLV	54.6	0	0	0	9.1E1	1.502	29716	12150	Sisma Y SLV	0	54.6	0	0	9.1E1	1.502
29717	12150	Sisma X SLO	29.1	0	0	0	9.1E1	1.502	29718	12150	Sisma Y SLO	0	29.1	0	0	9.1E1	1.502
29719	12150	Sisma X SLD	24.2	0	0	0	9.1E1	1.502	29720	12150	Sisma Y SLD	0	24.2	0	0	9.1E1	1.502
29721	12151	Sisma X SLV	55.1	0	0	0	9.2E1	1.503	29722	12151	Sisma Y SLV	0	55.1	0	0	9.2E1	1.503
29723	12151	Sisma X SLO	29.4	0	0	0	9.2E1	1.503	29724	12151	Sisma Y SLO	0	29.4	0	0	9.2E1	1.503
29725	12151	Sisma X SLD	24.4	0	0	0	9.2E1	1.503	29726	12151	Sisma Y SLD	0	24.4	0	0	9.2E1	1.503
29727	12152	Sisma X SLV	58.2	0	0	0	9.7E1	1.503	29728	12152	Sisma Y SLV	0	58.2	0	0	9.7E1	1.503
29729	12152	Sisma X SLO	31	0	0	0	9.7E1	1.503	29730	12152	Sisma Y SLO	0	31	0	0	9.7E1	1.503
29731	12152	Sisma X SLD	25.8	0	0	0	9.7E1	1.503	29732	12152	Sisma Y SLD	0	25.8	0	0	9.7E1	1.503
29733	12153	Sisma X SLV	45.3	0	0	0	7.5E1	1.503	29734	12153	Sisma Y SLV	0	45.3	0	0	7.5E1	1.503
29735	12153	Sisma X SLO	24.1	0	0	0	7.5E1	1.503	29736	12153	Sisma Y SLO	0	24.1	0	0	7.5E1	1.503
29737	12153	Sisma X SLD	20	0	0	0	7.5E1	1.503	29738	12153	Sisma Y SLD	0	20	0	0	7.5E1	1.503
29739	12154	Sisma X SLV	55.1	0	0	0	9.2E1	1.503	29740	12154	Sisma Y SLV	0	55.1	0	0	9.2E1	1.503
29741	12154	Sisma X SLO	29.4	0	0	0	9.2E1	1.503	29742	12154	Sisma Y SLO	0	29.4	0	0	9.2E1	1.503
29743	12154	Sisma X SLD	24.4	0	0	0	9.2E1	1.503	29744	12154	Sisma Y SLD	0	24.4	0	0	9.2E1	1.503
29745	12155	Sisma X SLV	53.8	0	0	0	9.0E1	1.503	29746	12155	Sisma Y SLV	0	53.8	0	0	9.0E1	1.503
29747	12155	Sisma X SLO	28.7	0	0	0	9.0E1	1.503	29748	12155	Sisma Y SLO	0	28.7	0	0	9.0E1	1.503
29749	12155	Sisma X SLD	23.8	0	0	0	9.0E1	1.503	29750	12155	Sisma Y SLD	0	23.8	0	0	9.0E1	1.503
29751	12156	Sisma X SLV	49.2	0	0	0	8.2E1	1.503	29752	12156	Sisma Y SLV	0	49.2	0	0	8.2E1	1.503
29753	12156	Sisma X SLO	26.2	0	0	0	8.2E1	1.503	29754	12156	Sisma Y SLO	0	26.2	0	0	8.2E1	1.503
29755	12156	Sisma X SLD	21.8	0	0	0	8.2E1	1.503	29756	12156	Sisma Y SLD	0	21.8	0	0	8.2E1	1.503
29757	12157	Sisma X SLV	25	0	0	0	4.2E1	1.503	29758	12157	Sisma Y SLV	0	25	0	0	4.2E1	1.503
29759	12157	Sisma X SLO	13.3	0	0	0	4.2E1	1.503	29760	12157	Sisma Y SLO	0	13.3	0	0	4.2E1	1.503
29761	12157	Sisma X SLD	11.1	0	0	0	4.2E1	1.503	29762	12157	Sisma Y SLD	0	11.1	0	0	4.2E1	1.503
29763	12158	Sisma X SLV	50	0	0	0	8.3E1	1.504	29764	12158	Sisma Y SLV	0	50	0	0	8.3E1	1.504
29765	12158	Sisma X SLO	26.6	0	0	0	8.3E1	1.504	29766	12158	Sisma Y SLO	0	26.6	0	0	8.3E1	1.504
29767	12158	Sisma X SLD	22.1	0	0	0	8.3E1	1.504	29768	12158	Sisma Y SLD	0	22.1	0	0	8.3E1	1.504
29769	12159	Sisma X SLV	43	0	0	0	71.58	1.504	29770	12159	Sisma Y SLV	0	43	0	0	71.58	1.504
29771	12159	Sisma X SLO	22.9	0	0	0	71.58	1.504	29772	12159	Sisma Y SLO	0	22.9	0	0	71.58	1.504
29773	12159	Sisma X SLD	19	0	0	0	71.58	1.504	29774	12159	Sisma Y SLD	0	19	0	0	71.58	1.504
29775	12160	Sisma X SLV	34.7	0	0	0	5.8E1	1.504	29776	12160	Sisma Y SLV	0	34.7	0	0	5.8E1	1.504
29777	12160	Sisma X SLO	18.5	0	0	0	5.8E1	1.504	29778	12160	Sisma Y SLO	0	18.5	0	0	5.8E1	1.504
29779	12160	Sisma X SLD	15.3	0	0	0	5.8E1	1.504	29780	12160	Sisma Y SLD	0	15.3	0	0	5.8E1	1.504
29781	12161	Sisma X SLV	59.1	0	0	0	9.8E1	1.505	29782	12161	Sisma Y SLV	0	59.1	0	0	9.8E1	1.505
29783	12161	Sisma X SLO	31.5	0	0	0	9.8E1	1.505	29784	12161	Sisma Y SLO	0	31.5	0	0	9.8E1	1.505
29785	12161	Sisma X SLD	26.1	0	0	0	9.8E1	1.505	29786	12161	Sisma Y SLD	0	26.1	0	0	9.8E1	1.505
29787	12162	Sisma X SLV	22.1	0	0	0	3.7E1	1.505	29788	12162	Sisma Y SLV	0	22.1	0	0	3.7E1	1.505
29789	12162	Sisma X SLO	11.8	0	0	0	3.7E1	1.505	29790	12162	Sisma Y SLO	0	11.8	0	0	3.7E1	1.505
29791	12162	Sisma X SLD	9.8	0	0	0	3.7E1	1.505	29792	12162	Sisma Y SLD	0	9.8	0	0	3.7E1	1.505
29793	12163	Sisma X SLV	43.5	0	0	0	7.2E1	1.506	29794	12163	Sisma Y SLV	0	43.5	0	0	7.2E1	1.506
29795	12163	Sisma X SLO	23.2	0	0	0	7.2E1	1.506	29796	12163	Sisma Y SLO	0	23.2	0	0	7.2E1	1.506
29797	12163	Sisma X SLD	19.2	0	0	0	7.2E1	1.506	29798	12163	Sisma Y SLD	0	19.2	0	0	7.2E1	1.506
29799	12164	Sisma X SLV	30.1	0	0	0	5.0E1	1.506	29800	12164	Sisma Y SLV	0	30.1	0	0	5.0E1	1.506
29801	12164	Sisma X SLO	16	0	0	0	5.0E1	1.506	29802	12164	Sisma Y SLO	0	16	0	0	5.0E1	1.506
29803	12164	Sisma X SLD	13.3	0	0	0	5.0E1	1.506	29804	12164	Sisma Y SLD	0	13.3	0	0	5.0E1	1.506
29805	12165	Sisma X SLV	45.4	0	0	0	7.5E1	1.506	29806	12165	Sisma Y SLV	0	45.4	0	0	7.5E1	1.506
29807	12165	Sisma X SLO	24.2	0	0	0	7.5E1	1.506	29808	12165	Sisma Y SLO	0	24.2	0	0	7.5E1	1.506
29809	12165	Sisma X SLD	20.1	0	0	0	7.5E1	1.506	29810	12165	Sisma Y SLD	0	20.1	0	0	7.5E1	1.506
29811	12166	Sisma X SLV	55.8	0	0	0	9.3E1	1.506	29812	12166	Sisma Y SLV	0	55.8	0	0	9.3E1	1.506
29813	12166	Sisma X SLO	29.8	0	0	0	9.3E1	1.506	29814	12166	Sisma Y SLO	0	29.8	0	0	9.3E1	1.506
29815	12166	Sisma X SLD	24.7	0	0	0	9.3E1	1.506	29816	12166	Sisma Y SLD	0	24.7	0	0	9.3E1	1.506
29817	12167	Sisma X SLV	42.4	0	0	0	7.0E1	1.508	29818	12167	Sisma Y SLV	0	42.4	0	0	7.0E1	1.508
29819	12167	Sisma X SLO	22.6	0	0	0	7.0E1	1.508	29820	12167	Sisma Y SLO	0	22.6	0	0	7.0E1	1.508
29821	12167	Sisma X SLD	18.8	0	0	0	7.0E1	1.508	29822	12167	Sisma Y SLD	0	18.8	0	0	7.0E1	1.508
29823	12168	Sisma X SLV	42	0	0	0	6.9E1	1.512	29824	12168	Sisma Y SLV	0	42	0	0	6.9E1	1.512
29825	12168	Sisma X SLO	22.4	0	0	0	6.9E1	1.512	29826	12168	Sisma Y SLO	0	22.4	0	0	6.9E1	1.512
29827	12168	Sisma X SLD	18.6	0	0	0	6.9E1	1.512	29828	12168	Sisma Y SLD	0	18.6	0	0	6.9E1	1.512
29829	12169	Sisma X SLV	94.5	0	0	0	1.6E2	1.517	29830	12169	Sisma Y SLV	0	94.5	0	0	1.6E2	1.517
29831	12169	Sisma X SLO	50.4	0	0	0	1.6E2	1.517	29832	12169	Sisma Y SLO	0	50.4	0	0	1.6E2	1.517
29833	12169	Sisma X SLD	41.8	0	0	0	1.6E2	1.517	29834	12169	Sisma Y SLD	0	41.8	0	0	1.6E2	1.517
29835	12170	Sisma X SLV	78.7	0	0	0	1.3E2	1.519	29836	12170	Sisma Y SLV	0	78.7	0	0	1.3E2	1.519
29837	12170	Sisma X SLO	41.9	0	0	0	1.3E2	1.519	29838	12170	Sisma Y SLO	0	41.9	0	0	1.3E2	1.519
29839	12170	Sisma X SLD	34.8	0	0	0	1.3E2	1.519	29840	12170	Sisma Y SLD	0	34.8	0	0	1.3E2	1.519
29841	12171	Sisma X SLV	79.5	0	0	0	1.3E2	1.521	29842	12171	Sisma Y SLV	0	79.5	0	0	1.3E2	1.521
29843	12171	Sisma X SLO	42.4	0	0	0	1.3E2	1.521	29844	12171	Sisma Y SLO	0	42.4	0	0	1.3E2	1.521
29845	12171	Sisma X SLD	35.2	0	0	0	1.3E2	1.521	29846	12171	Sisma Y SLD	0	35.2	0	0	1.3E2	1.521
29847	12172	Sisma X SLV	82.5	0	0	0	1.4E2	1.521	29848	12172	Sisma Y SLV	0	82.5	0	0	1.4E2	1.521
29849	12172	Sisma X SLO	44	0	0	0	1.4E2	1.521	29850	12172	Sisma Y SLO	0	44	0	0	1.4E2	1.521
29851	12172	Sisma X SLD	36.5	0	0	0	1.4E2	1.521	29852	12172	Sisma Y SLD	0	36.5	0	0	1.4E2	1.521
29853	12173	Sisma X SLV	113.9	0	0	0	1.9E2	1.523	29854	12173	Sisma Y SLV	0	113.9	0	0	1.9E2	1.523
29855	12173	Sisma X SLO	60.7	0	0	0	1.9E2	1.523	29856	12173	Sisma Y SLO	0	60.7	0	0	1.9E2	1.523
29857	12173	Sisma X SLD	50.4	0	0	0	1.9E2	1.523	29858	12173	Sisma Y SLD	0	50.4	0	0	1.9E2	1.523
29859	12174	Sisma X SLV	100.9	0	0	0	1.7E2	1.523	29860	12174	Sisma Y SLV	0	100.9	0	0	1.7E2	1.523
29861	12174	Sisma X SLO	53.8	0	0	0	1.7E2	1.523	29862	12174	Sisma Y SLO	0	53.8	0	0	1.7E2	1.523
29863	12174	Sisma X SLD	44.7	0	0	0	1.7E2	1.523	29864	12174	Sisma Y SLD	0	44.7	0	0	1.7E2	1.523
29865	12175	Sisma X SLV	95.5	0	0	0	1.6E2	1.523	29866	12175	Sisma Y SLV	0	95.5	0	0	1.6E2	1.523
29867	12175	Sisma X SLO	50.9	0	0	0	1.6E2	1.523	29868	12175	Sisma Y SLO	0	50.9	0	0	1.6E2	1.523
29869	12175	Sisma X SLD	42.3	0	0	0	1.6E2	1.523	29870	12175	Sisma Y SLD	0	42.3	0	0	1.6E2	1.523
29871	12176	Sisma X SLV	46.2	0	0	0	7.6E1	1.523	29872	12176	Sisma Y SLV	0	46.2	0	0	7.6E1	1.523
29873	12176	Sisma X SLO	24.6	0	0	0	7.6E1	1.523	29874	12176	Sisma Y SLO	0	24.6	0	0	7.6E1	1.523
29875	12176	Sisma X SLD	20.4	0	0	0	7.6E1	1.523	29876	12176	Sisma Y SLD	0	20.4	0	0	7.6E1	1.523
29877	12177	Sisma X SLV	95.5	0	0	0	1.6E2	1.523	29878	12177	Sisma Y SLV	0	95.5	0	0	1.6E2	1.523
29879	12177	Sisma X SLO	50.9	0	0	0	1.6E2	1.523	29880	12177	Sisma Y SLO	0	50.9	0	0	1.6E2	1.523
29881	12177	Sisma X SLD	42.3	0	0	0	1.6E2	1.523	29882	12177	Sisma Y SLD	0	42.3	0	0	1.6E2	1.523
29883	12178	Sisma X SLV	95.4	0	0	0	1.6E2	1.524	29884	12178	Sisma Y SLV	0	95.4	0	0	1.6E2	1.524
29885	12178	Sisma X SLO	50.9	0	0	0	1.6E2	1.524	29886	12178	Sisma Y SLO	0	50.9	0	0	1.6E2	1.524
29887	12178	Sisma X SLD	42.2	0	0	0	1.6E2	1.524	29888	12178	Sisma Y SLD	0	42.2	0	0	1.6E2	1.524
29889	12179	Sisma X SLV	95.4	0	0	0	1.6E2	1.524	29890	12179	Sisma Y SLV	0	95.4	0	0	1.6E2	1.524
29891	12179	Sisma X SLO	50.9	0	0	0	1.6E2	1.524	29892	12179	Sisma Y SLO	0	50.9	0	0	1.6E2	1.524
29893	12179	Sisma X SLD	42.2	0	0	0	1.6E2	1.524	29894	12179	Sisma Y SLD	0	42.2	0	0	1.6E2	1.524
29895	12180	Sisma X SLV	95.5	0	0	0	1.6E2	1.524	29896	12180	Sisma Y SLV	0	95.5	0	0	1.6E2	1.524
29897	12180	Sisma X SLO	50.9	0	0	0	1.6E2	1.524	29898	12180	Sisma Y SLO	0	50.9	0	0	1.6E2	1.524
29899	12180	Sisma X SLD	42.3	0	0	0	1.6E2	1.524	29900	12180	Sisma Y SLD	0	42.3	0	0	1.6E2	1.524
29901	12181	Sisma X SLV	133.6	0	0	0	2.2E2	1.524	29902	12181	Sisma Y SLV	0	133.6	0	0	2.2E2	1.524
29903	12181	Sisma X SLO	71.2	0	0	0	2.2E2	1.524	29904	12181	Sisma Y SLO	0	71.2	0	0	2.2E2	1.524
29905	12181	Sisma X SLD	59.1	0	0	0	2.2E2	1.524	29906	12181	Sisma Y SLD	0	59.1	0	0	2.2E2	1.524
29907	12182	Sisma X SLV	93.3	0	0	0	1.5E2	1.524	29908	12182	Sisma Y SLV	0	93.3	0	0	1.5E2	1.524
29909	12182	Sisma X SLO	49.8	0	0	0	1.5E2	1.524	29910	12182	Sisma Y SLO	0	49.8	0	0	1.5E2	1.524
29911	12182	Sisma X SLD	41.3	0	0	0	1.5E2	1.524	29912	12182	Sisma Y SLD	0	41.3	0	0	1.5E2	1.524

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
29913	12183	Sisma X SLV	95.8	0	0	0	1.6E2	1.524	29914	12183	Sisma Y SLV	0	95.8	0	0	1.6E2	1.524
29915	12183	Sisma X SLO	51.1	0	0	0	1.6E2	1.524	29916	12183	Sisma Y SLO	0	51.1	0	0	1.6E2	1.524
29917	12183	Sisma X SLD	42.4	0	0	0	1.6E2	1.524	29918	12183	Sisma Y SLD	0	42.4	0	0	1.6E2	1.524
29919	12184	Sisma X SLV	96.7	0	0	0	1.6E2	1.524	29920	12184	Sisma Y SLV	0	96.7	0	0	1.6E2	1.524
29921	12184	Sisma X SLO	51.5	0	0	0	1.6E2	1.524	29922	12184	Sisma Y SLO	0	51.5	0	0	1.6E2	1.524
29923	12184	Sisma X SLD	42.8	0	0	0	1.6E2	1.524	29924	12184	Sisma Y SLD	0	42.8	0	0	1.6E2	1.524
29925	12185	Sisma X SLV	99.6	0	0	0	1.6E2	1.524	29926	12185	Sisma Y SLV	0	99.6	0	0	1.6E2	1.524
29927	12185	Sisma X SLO	53.1	0	0	0	1.6E2	1.524	29928	12185	Sisma Y SLO	0	53.1	0	0	1.6E2	1.524
29929	12185	Sisma X SLD	44.1	0	0	0	1.6E2	1.524	29930	12185	Sisma Y SLD	0	44.1	0	0	1.6E2	1.524
29931	12186	Sisma X SLV	103.2	0	0	0	1.7E2	1.524	29932	12186	Sisma Y SLV	0	103.2	0	0	1.7E2	1.524
29933	12186	Sisma X SLO	55	0	0	0	1.7E2	1.524	29934	12186	Sisma Y SLO	0	55	0	0	1.7E2	1.524
29935	12186	Sisma X SLD	45.7	0	0	0	1.7E2	1.524	29936	12186	Sisma Y SLD	0	45.7	0	0	1.7E2	1.524
29937	12187	Sisma X SLV	132.9	0	0	0	2.2E2	1.524	29938	12187	Sisma Y SLV	0	132.9	0	0	2.2E2	1.524
29939	12187	Sisma X SLO	70.9	0	0	0	2.2E2	1.524	29940	12187	Sisma Y SLO	0	70.9	0	0	2.2E2	1.524
29941	12187	Sisma X SLD	58.8	0	0	0	2.2E2	1.524	29942	12187	Sisma Y SLD	0	58.8	0	0	2.2E2	1.524
29943	12188	Sisma X SLV	103.8	0	0	0	1.7E2	1.524	29944	12188	Sisma Y SLV	0	103.8	0	0	1.7E2	1.524
29945	12188	Sisma X SLO	55.3	0	0	0	1.7E2	1.524	29946	12188	Sisma Y SLO	0	55.3	0	0	1.7E2	1.524
29947	12188	Sisma X SLD	45.9	0	0	0	1.7E2	1.524	29948	12188	Sisma Y SLD	0	45.9	0	0	1.7E2	1.524
29949	12189	Sisma X SLV	92.6	0	0	0	1.5E2	1.524	29950	12189	Sisma Y SLV	0	92.6	0	0	1.5E2	1.524
29951	12189	Sisma X SLO	49.4	0	0	0	1.5E2	1.524	29952	12189	Sisma Y SLO	0	49.4	0	0	1.5E2	1.524
29953	12189	Sisma X SLD	41	0	0	0	1.5E2	1.524	29954	12189	Sisma Y SLD	0	41	0	0	1.5E2	1.524
29955	12190	Sisma X SLV	103.7	0	0	0	1.7E2	1.524	29956	12190	Sisma Y SLV	0	103.7	0	0	1.7E2	1.524
29957	12190	Sisma X SLO	55.3	0	0	0	1.7E2	1.524	29958	12190	Sisma Y SLO	0	55.3	0	0	1.7E2	1.524
29959	12190	Sisma X SLD	45.9	0	0	0	1.7E2	1.524	29960	12190	Sisma Y SLD	0	45.9	0	0	1.7E2	1.524
29961	12191	Sisma X SLV	99.8	0	0	0	1.6E2	1.525	29962	12191	Sisma Y SLV	0	99.8	0	0	1.6E2	1.525
29963	12191	Sisma X SLO	53.2	0	0	0	1.6E2	1.525	29964	12191	Sisma Y SLO	0	53.2	0	0	1.6E2	1.525
29965	12191	Sisma X SLD	44.2	0	0	0	1.6E2	1.525	29966	12191	Sisma Y SLD	0	44.2	0	0	1.6E2	1.525
29967	12192	Sisma X SLV	99.9	0	0	0	1.6E2	1.525	29968	12192	Sisma Y SLV	0	99.9	0	0	1.6E2	1.525
29969	12192	Sisma X SLO	53.2	0	0	0	1.6E2	1.525	29970	12192	Sisma Y SLO	0	53.2	0	0	1.6E2	1.525
29971	12192	Sisma X SLD	44.2	0	0	0	1.6E2	1.525	29972	12192	Sisma Y SLD	0	44.2	0	0	1.6E2	1.525
29973	12193	Sisma X SLV	102.6	0	0	0	1.7E2	1.525	29974	12193	Sisma Y SLV	0	102.6	0	0	1.7E2	1.525
29975	12193	Sisma X SLO	54.7	0	0	0	1.7E2	1.525	29976	12193	Sisma Y SLO	0	54.7	0	0	1.7E2	1.525
29977	12193	Sisma X SLD	45.4	0	0	0	1.7E2	1.525	29978	12193	Sisma Y SLD	0	45.4	0	0	1.7E2	1.525
29979	12194	Sisma X SLV	99.2	0	0	0	1.6E2	1.525	29980	12194	Sisma Y SLV	0	99.2	0	0	1.6E2	1.525
29981	12194	Sisma X SLO	52.9	0	0	0	1.6E2	1.525	29982	12194	Sisma Y SLO	0	52.9	0	0	1.6E2	1.525
29983	12194	Sisma X SLD	43.9	0	0	0	1.6E2	1.525	29984	12194	Sisma Y SLD	0	43.9	0	0	1.6E2	1.525
29985	12195	Sisma X SLV	98.8	0	0	0	162.1	1.525	29986	12195	Sisma Y SLV	0	98.8	0	0	162.1	1.525
29987	12195	Sisma X SLO	52.7	0	0	0	162.1	1.525	29988	12195	Sisma Y SLO	0	52.7	0	0	162.1	1.525
29989	12195	Sisma X SLD	43.7	0	0	0	162.1	1.525	29990	12195	Sisma Y SLD	0	43.7	0	0	162.1	1.525
29991	12196	Sisma X SLV	101.2	0	0	0	1.7E2	1.525	29992	12196	Sisma Y SLV	0	101.2	0	0	1.7E2	1.525
29993	12196	Sisma X SLO	53.9	0	0	0	1.7E2	1.525	29994	12196	Sisma Y SLO	0	53.9	0	0	1.7E2	1.525
29995	12196	Sisma X SLD	44.8	0	0	0	1.7E2	1.525	29996	12196	Sisma Y SLD	0	44.8	0	0	1.7E2	1.525
29997	12197	Sisma X SLV	132.2	0	0	0	2.2E2	1.525	29998	12197	Sisma Y SLV	0	132.2	0	0	2.2E2	1.525
29999	12197	Sisma X SLO	70.5	0	0	0	2.2E2	1.525	30000	12197	Sisma Y SLO	0	70.5	0	0	2.2E2	1.525
30001	12197	Sisma X SLD	58.5	0	0	0	2.2E2	1.525	30002	12197	Sisma Y SLD	0	58.5	0	0	2.2E2	1.525
30003	12198	Sisma X SLV	97.9	0	0	0	1.6E2	1.525	30004	12198	Sisma Y SLV	0	97.9	0	0	1.6E2	1.525
30005	12198	Sisma X SLO	52.2	0	0	0	1.6E2	1.525	30006	12198	Sisma Y SLO	0	52.2	0	0	1.6E2	1.525
30007	12198	Sisma X SLD	43.3	0	0	0	1.6E2	1.525	30008	12198	Sisma Y SLD	0	43.3	0	0	1.6E2	1.525
30009	12199	Sisma X SLV	97.5	0	0	0	1.6E2	1.525	30010	12199	Sisma Y SLV	0	97.5	0	0	1.6E2	1.525
30011	12199	Sisma X SLO	52	0	0	0	1.6E2	1.525	30012	12199	Sisma Y SLO	0	52	0	0	1.6E2	1.525
30013	12199	Sisma X SLD	43.2	0	0	0	1.6E2	1.525	30014	12199	Sisma Y SLD	0	43.2	0	0	1.6E2	1.525
30015	12200	Sisma X SLV	100.6	0	0	0	1.7E2	1.525	30016	12200	Sisma Y SLV	0	100.6	0	0	1.7E2	1.525
30017	12200	Sisma X SLO	53.6	0	0	0	1.7E2	1.525	30018	12200	Sisma Y SLO	0	53.6	0	0	1.7E2	1.525
30019	12200	Sisma X SLD	44.5	0	0	0	1.7E2	1.525	30020	12200	Sisma Y SLD	0	44.5	0	0	1.7E2	1.525
30021	12201	Sisma X SLV	100	0	0	0	1.6E2	1.525	30022	12201	Sisma Y SLV	0	100	0	0	1.6E2	1.525
30023	12201	Sisma X SLO	53.3	0	0	0	1.6E2	1.525	30024	12201	Sisma Y SLO	0	53.3	0	0	1.6E2	1.525
30025	12201	Sisma X SLD	44.2	0	0	0	1.6E2	1.525	30026	12201	Sisma Y SLD	0	44.2	0	0	1.6E2	1.525
30027	12202	Sisma X SLV	91.6	0	0	0	1.5E2	1.525	30028	12202	Sisma Y SLV	0	91.6	0	0	1.5E2	1.525
30029	12202	Sisma X SLO	48.8	0	0	0	1.5E2	1.525	30030	12202	Sisma Y SLO	0	48.8	0	0	1.5E2	1.525
30031	12202	Sisma X SLD	40.5	0	0	0	1.5E2	1.525	30032	12202	Sisma Y SLD	0	40.5	0	0	1.5E2	1.525
30033	12203	Sisma X SLV	96.6	0	0	0	1.6E2	1.525	30034	12203	Sisma Y SLV	0	96.6	0	0	1.6E2	1.525
30035	12203	Sisma X SLO	51.5	0	0	0	1.6E2	1.525	30036	12203	Sisma Y SLO	0	51.5	0	0	1.6E2	1.525
30037	12203	Sisma X SLD	42.7	0	0	0	1.6E2	1.525	30038	12203	Sisma Y SLD	0	42.7	0	0	1.6E2	1.525
30039	12204	Sisma X SLV	94.1	0	0	0	1.5E2	1.525	30040	12204	Sisma Y SLV	0	94.1	0	0	1.5E2	1.525
30041	12204	Sisma X SLO	50.2	0	0	0	1.5E2	1.525	30042	12204	Sisma Y SLO	0	50.2	0	0	1.5E2	1.525
30043	12204	Sisma X SLD	41.7	0	0	0	1.5E2	1.525	30044	12204	Sisma Y SLD	0	41.7	0	0	1.5E2	1.525
30045	12205	Sisma X SLV	99	0	0	0	1.6E2	1.525	30046	12205	Sisma Y SLV	0	99	0	0	1.6E2	1.525
30047	12205	Sisma X SLO	52.8	0	0	0	1.6E2	1.525	30048	12205	Sisma Y SLO	0	52.8	0	0	1.6E2	1.525
30049	12205	Sisma X SLD	43.8	0	0	0	1.6E2	1.525	30050	12205	Sisma Y SLD	0	43.8	0	0	1.6E2	1.525
30051	12206	Sisma X SLV	131.3	0	0	0	2.2E2	1.525	30052	12206	Sisma Y SLV	0	131.3	0	0	2.2E2	1.525
30053	12206	Sisma X SLO	70	0	0	0	2.2E2	1.525	30054	12206	Sisma Y SLO	0	70	0	0	2.2E2	1.525
30055	12206	Sisma X SLD	58.1	0	0	0	2.2E2	1.525	30056	12206	Sisma Y SLD	0	58.1	0	0	2.2E2	1.525
30057	12207	Sisma X SLV	95.3	0	0	0	1.6E2	1.525	30058	12207	Sisma Y SLV	0	95.3	0	0	1.6E2	1.525
30059	12207	Sisma X SLO	50.8	0	0	0	1.6E2	1.525	30060	12207	Sisma Y SLO	0	50.8	0	0	1.6E2	1.525
30061	12207	Sisma X SLD	42.2	0	0	0	1.6E2	1.525	30062	12207	Sisma Y SLD	0	42.2	0	0	1.6E2	1.525
30063	12208	Sisma X SLV	97.5	0	0	0	1.6E2	1.525	30064	12208	Sisma Y SLV	0	97.5	0	0	1.6E2	1.525
30065	12208	Sisma X SLO	52	0	0	0	1.6E2	1.525	30066	12208	Sisma Y SLO	0	52	0	0	1.6E2	1.525
30067	12208	Sisma X SLD	43.1	0	0	0	1.6E2	1.525	30068	12208	Sisma Y SLD	0	43.1	0	0	1.6E2	1.525
30069	12209	Sisma X SLV	94.3	0	0	0	1.5E2	1.526	30070	12209	Sisma Y SLV	0	94.3	0	0	1.5E2	1.526
30071	12209	Sisma X SLO	50.3	0	0	0	1.5E2	1.526	30072	12209	Sisma Y SLO	0	50.3	0	0	1.5E2	1.526
30073	12209	Sisma X SLD	41.7	0	0	0	1.5E2	1.526	30074	12209	Sisma Y SLD	0	41.7	0	0	1.5E2	1.526
30075	12210	Sisma X SLV	94.1	0	0	0	1.5E2	1.526	30076	12210	Sisma Y SLV	0	94.1	0	0	1.5E2	1.526
30077	12210	Sisma X SLO	50.2	0	0	0	1.5E2	1.526	30078	12210	Sisma Y SLO	0	50.2	0	0	1.5E2	1.526
30079	12210	Sisma X SLD	41.7	0	0	0	1.5E2	1.526	30080	12210	Sisma Y SLD	0	41.7	0	0	1.5E2	1.526
30081	12211	Sisma X SLV	89.6	0	0	0	1.5E2	1.526	30082	12211	Sisma Y SLV	0	89.6	0	0	1.5E2	1.526
30083	12211	Sisma X SLO	47.8	0	0	0	1.5E2	1.526	30084	12211	Sisma Y SLO	0	47.8	0	0	1.5E2	1.526
30085	12211	Sisma X SLD	39.6	0	0	0	1.5E2	1.526	30086	12211	Sisma Y SLD	0	39.6	0	0	1.5E2	1.526
30087	12212	Sisma X SLV	91.5	0	0	0	1.5E2	1.526	30088	12212	Sisma Y SLV	0	91.5	0	0	1.5E2	1.526
30089	12212	Sisma X SLO	48.8	0	0	0	1.5E2	1.526	30090	12212	Sisma Y SLO	0	48.8	0	0	1.5E2	1.526
30091	12212	Sisma X SLD	40.5	0	0	0	1.5E2	1.526	30092	12212	Sisma Y SLD	0	40.5	0	0	1.5E2	1.526
30093	12213	Sisma X SLV	94.8	0	0	0	1.6E2	1.526	30094	12213	Sisma Y SLV	0	94.8	0	0	1.6E2	1.526
30095	12213	Sisma X SLO	50.5	0	0	0	1.6E2	1.526	30096	12213	Sisma Y SLO	0	50.5	0	0	1.6E2	1.526
30097	12213	Sisma X SLD	42	0	0	0	1.6E2	1.526	30098	12213	Sisma Y SLD	0	42	0	0	1.6E2	1.526
30099	12214	Sisma X SLV	47.7	0	0	0	78.18	1.526	30100	12214	Sisma Y SLV	0	47.7	0	0	78.18	1.526
30101	12214	Sisma X SLO	25.4	0	0	0	78.18	1.526	30102	12214	Sisma Y SLO	0	25.4	0	0	78.18	1.526
30103	12214	Sisma X SLD	21.1	0	0	0	78.18	1.526	30104	12214	Sisma Y SLD	0	21.1	0	0	78.18	1.526
30105	12215	Sisma X SLV	111.6	0	0	0	1.8E2	1.526	30106	12215	Sisma Y SLV	0	111.6	0	0	1.8E2	1.526
30107	12215	Sisma X SLO	59.5	0	0	0	1.8E2	1.526	30108	12215	Sisma Y SLO	0	59.5	0	0	1.8E2	1.526
30109	12215	Sisma X SLD	49.4	0	0	0	1.8E2	1.526	30110	12215	Sisma Y SLD	0	49.4	0	0	1.8E2	1.526
30111	12216	Sisma X SLV	93.6	0	0	0	1.5E2	1.526	30112	12216	Sisma Y SLV	0	93.6	0	0	1.5E2	1.526

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
30113	12216	Sisma X SLO	49.9	0	0	0	1.5E2	1.526	30114	12216	Sisma Y SLO	0	49.9	0	0	1.5E2	1.526
30115	12216	Sisma X SLD	41.4	0	0	0	1.5E2	1.526	30116	12216	Sisma Y SLD	0	41.4	0	0	1.5E2	1.526
30117	12217	Sisma X SLV	90.2	0	0	0	1.5E2	1.526	30118	12217	Sisma Y SLV	0	90.2	0	0	1.5E2	1.526
30119	12217	Sisma X SLO	48.1	0	0	0	1.5E2	1.526	30120	12217	Sisma Y SLO	0	48.1	0	0	1.5E2	1.526
30121	12217	Sisma X SLD	39.9	0	0	0	1.5E2	1.526	30122	12217	Sisma Y SLD	0	39.9	0	0	1.5E2	1.526
30123	12218	Sisma X SLV	89.1	0	0	0	1.5E2	1.526	30124	12218	Sisma Y SLV	0	89.1	0	0	1.5E2	1.526
30125	12218	Sisma X SLO	47.5	0	0	0	1.5E2	1.526	30126	12218	Sisma Y SLO	0	47.5	0	0	1.5E2	1.526
30127	12218	Sisma X SLD	39.4	0	0	0	1.5E2	1.526	30128	12218	Sisma Y SLD	0	39.4	0	0	1.5E2	1.526
30129	12219	Sisma X SLV	87.7	0	0	0	1.4E2	1.527	30130	12219	Sisma Y SLV	0	87.7	0	0	1.4E2	1.527
30131	12219	Sisma X SLO	46.8	0	0	0	1.4E2	1.527	30132	12219	Sisma Y SLO	0	46.8	0	0	1.4E2	1.527
30133	12219	Sisma X SLD	38.8	0	0	0	1.4E2	1.527	30134	12219	Sisma Y SLD	0	38.8	0	0	1.4E2	1.527
30135	12220	Sisma X SLV	89.2	0	0	0	1.5E2	1.527	30136	12220	Sisma Y SLV	0	89.2	0	0	1.5E2	1.527
30137	12220	Sisma X SLO	47.6	0	0	0	1.5E2	1.527	30138	12220	Sisma Y SLO	0	47.6	0	0	1.5E2	1.527
30139	12220	Sisma X SLD	39.5	0	0	0	1.5E2	1.527	30140	12220	Sisma Y SLD	0	39.5	0	0	1.5E2	1.527
30141	12221	Sisma X SLV	87.2	0	0	0	1.4E2	1.527	30142	12221	Sisma Y SLV	0	87.2	0	0	1.4E2	1.527
30143	12221	Sisma X SLO	46.5	0	0	0	1.4E2	1.527	30144	12221	Sisma Y SLO	0	46.5	0	0	1.4E2	1.527
30145	12221	Sisma X SLD	38.6	0	0	0	1.4E2	1.527	30146	12221	Sisma Y SLD	0	38.6	0	0	1.4E2	1.527
30147	12222	Sisma X SLV	89	0	0	0	1.5E2	1.527	30148	12222	Sisma Y SLV	0	89	0	0	1.5E2	1.527
30149	12222	Sisma X SLO	47.5	0	0	0	1.5E2	1.527	30150	12222	Sisma Y SLO	0	47.5	0	0	1.5E2	1.527
30151	12222	Sisma X SLD	39.4	0	0	0	1.5E2	1.527	30152	12222	Sisma Y SLD	0	39.4	0	0	1.5E2	1.527
30153	12223	Sisma X SLV	90.2	0	0	0	1.5E2	1.528	30154	12223	Sisma Y SLV	0	90.2	0	0	1.5E2	1.528
30155	12223	Sisma X SLO	48.1	0	0	0	1.5E2	1.528	30156	12223	Sisma Y SLO	0	48.1	0	0	1.5E2	1.528
30157	12223	Sisma X SLD	39.9	0	0	0	1.5E2	1.528	30158	12223	Sisma Y SLD	0	39.9	0	0	1.5E2	1.528
30159	12224	Sisma X SLV	89.4	0	0	0	1.5E2	1.528	30160	12224	Sisma Y SLV	0	89.4	0	0	1.5E2	1.528
30161	12224	Sisma X SLO	47.7	0	0	0	1.5E2	1.528	30162	12224	Sisma Y SLO	0	47.7	0	0	1.5E2	1.528
30163	12224	Sisma X SLD	39.6	0	0	0	1.5E2	1.528	30164	12224	Sisma Y SLD	0	39.6	0	0	1.5E2	1.528
30165	12225	Sisma X SLV	93.2	0	0	0	1.5E2	1.528	30166	12225	Sisma Y SLV	0	93.2	0	0	1.5E2	1.528
30167	12225	Sisma X SLO	49.7	0	0	0	1.5E2	1.528	30168	12225	Sisma Y SLO	0	49.7	0	0	1.5E2	1.528
30169	12225	Sisma X SLD	41.3	0	0	0	1.5E2	1.528	30170	12225	Sisma Y SLD	0	41.3	0	0	1.5E2	1.528
30171	12226	Sisma X SLV	91.5	0	0	0	1.5E2	1.528	30172	12226	Sisma Y SLV	0	91.5	0	0	1.5E2	1.528
30173	12226	Sisma X SLO	48.8	0	0	0	1.5E2	1.528	30174	12226	Sisma Y SLO	0	48.8	0	0	1.5E2	1.528
30175	12226	Sisma X SLD	40.5	0	0	0	1.5E2	1.528	30176	12226	Sisma Y SLD	0	40.5	0	0	1.5E2	1.528
30177	12227	Sisma X SLV	86.1	0	0	0	1.4E2	1.528	30178	12227	Sisma Y SLV	0	86.1	0	0	1.4E2	1.528
30179	12227	Sisma X SLO	45.9	0	0	0	1.4E2	1.528	30180	12227	Sisma Y SLO	0	45.9	0	0	1.4E2	1.528
30181	12227	Sisma X SLD	38.1	0	0	0	1.4E2	1.528	30182	12227	Sisma Y SLD	0	38.1	0	0	1.4E2	1.528
30183	12228	Sisma X SLV	88	0	0	0	1.4E2	1.529	30184	12228	Sisma Y SLV	0	88	0	0	1.4E2	1.529
30185	12228	Sisma X SLO	46.9	0	0	0	1.4E2	1.529	30186	12228	Sisma Y SLO	0	46.9	0	0	1.4E2	1.529
30187	12228	Sisma X SLD	39	0	0	0	1.4E2	1.529	30188	12228	Sisma Y SLD	0	39	0	0	1.4E2	1.529
30189	12229	Sisma X SLV	86.1	0	0	0	1.4E2	1.529	30190	12229	Sisma Y SLV	0	86.1	0	0	1.4E2	1.529
30191	12229	Sisma X SLO	45.9	0	0	0	1.4E2	1.529	30192	12229	Sisma Y SLO	0	45.9	0	0	1.4E2	1.529
30193	12229	Sisma X SLD	38.1	0	0	0	1.4E2	1.529	30194	12229	Sisma Y SLD	0	38.1	0	0	1.4E2	1.529
30195	12230	Sisma X SLV	87	0	0	0	1.4E2	1.529	30196	12230	Sisma Y SLV	0	87	0	0	1.4E2	1.529
30197	12230	Sisma X SLO	46.4	0	0	0	1.4E2	1.529	30198	12230	Sisma Y SLO	0	46.4	0	0	1.4E2	1.529
30199	12230	Sisma X SLD	38.5	0	0	0	1.4E2	1.529	30200	12230	Sisma Y SLD	0	38.5	0	0	1.4E2	1.529
30201	12231	Sisma X SLV	77.7	0	0	0	1.3E2	1.532	30202	12231	Sisma Y SLV	0	77.7	0	0	1.3E2	1.532
30203	12231	Sisma X SLO	41.5	0	0	0	1.3E2	1.532	30204	12231	Sisma Y SLO	0	41.5	0	0	1.3E2	1.532
30205	12231	Sisma X SLD	34.4	0	0	0	1.3E2	1.532	30206	12231	Sisma Y SLD	0	34.4	0	0	1.3E2	1.532
30207	12232	Sisma X SLV	70.4	0	0	0	1.1E2	1.536	30208	12232	Sisma Y SLV	0	70.4	0	0	1.1E2	1.536
30209	12232	Sisma X SLO	37.5	0	0	0	1.1E2	1.536	30210	12232	Sisma Y SLO	0	37.5	0	0	1.1E2	1.536
30211	12232	Sisma X SLD	31.1	0	0	0	1.1E2	1.536	30212	12232	Sisma Y SLD	0	31.1	0	0	1.1E2	1.536
30213	12233	Sisma X SLV	65.4	0	0	0	1.1E2	1.536	30214	12233	Sisma Y SLV	0	65.4	0	0	1.1E2	1.536
30215	12233	Sisma X SLO	34.9	0	0	0	1.1E2	1.536	30216	12233	Sisma Y SLO	0	34.9	0	0	1.1E2	1.536
30217	12233	Sisma X SLD	28.9	0	0	0	1.1E2	1.536	30218	12233	Sisma Y SLD	0	28.9	0	0	1.1E2	1.536
30219	12234	Sisma X SLV	87.6	0	0	0	1.4E2	1.536	30220	12234	Sisma Y SLV	0	87.6	0	0	1.4E2	1.536
30221	12234	Sisma X SLO	46.7	0	0	0	1.4E2	1.536	30222	12234	Sisma Y SLO	0	46.7	0	0	1.4E2	1.536
30223	12234	Sisma X SLD	38.8	0	0	0	1.4E2	1.536	30224	12234	Sisma Y SLD	0	38.8	0	0	1.4E2	1.536
30225	12235	Sisma X SLV	70.6	0	0	0	1.1E2	1.536	30226	12235	Sisma Y SLV	0	70.6	0	0	1.1E2	1.536
30227	12235	Sisma X SLO	37.6	0	0	0	1.1E2	1.536	30228	12235	Sisma Y SLO	0	37.6	0	0	1.1E2	1.536
30229	12235	Sisma X SLD	31.2	0	0	0	1.1E2	1.536	30230	12235	Sisma Y SLD	0	31.2	0	0	1.1E2	1.536
30231	12236	Sisma X SLV	64.7	0	0	0	1.1E2	1.536	30232	12236	Sisma Y SLV	0	64.7	0	0	1.1E2	1.536
30233	12236	Sisma X SLO	34.5	0	0	0	1.1E2	1.536	30234	12236	Sisma Y SLO	0	34.5	0	0	1.1E2	1.536
30235	12236	Sisma X SLD	28.6	0	0	0	1.1E2	1.536	30236	12236	Sisma Y SLD	0	28.6	0	0	1.1E2	1.536
30237	12237	Sisma X SLV	79.7	0	0	0	1.3E2	1.538	30238	12237	Sisma Y SLV	0	79.7	0	0	1.3E2	1.538
30239	12237	Sisma X SLO	42.5	0	0	0	1.3E2	1.538	30240	12237	Sisma Y SLO	0	42.5	0	0	1.3E2	1.538
30241	12237	Sisma X SLD	35.3	0	0	0	1.3E2	1.538	30242	12237	Sisma Y SLD	0	35.3	0	0	1.3E2	1.538
30243	12238	Sisma X SLV	61.4	0	0	0	1.0E2	1.539	30244	12238	Sisma Y SLV	0	61.4	0	0	1.0E2	1.539
30245	12238	Sisma X SLO	32.7	0	0	0	1.0E2	1.539	30246	12238	Sisma Y SLO	0	32.7	0	0	1.0E2	1.539
30247	12238	Sisma X SLD	27.2	0	0	0	1.0E2	1.539	30248	12238	Sisma Y SLD	0	27.2	0	0	1.0E2	1.539
30249	12239	Sisma X SLV	72.5	0	0	0	1.2E2	1.539	30250	12239	Sisma Y SLV	0	72.5	0	0	1.2E2	1.539
30251	12239	Sisma X SLO	38.7	0	0	0	1.2E2	1.539	30252	12239	Sisma Y SLO	0	38.7	0	0	1.2E2	1.539
30253	12239	Sisma X SLD	32.1	0	0	0	1.2E2	1.539	30254	12239	Sisma Y SLD	0	32.1	0	0	1.2E2	1.539
30255	12240	Sisma X SLV	78.4	0	0	0	1.3E2	1.539	30256	12240	Sisma Y SLV	0	78.4	0	0	1.3E2	1.539
30257	12240	Sisma X SLO	41.8	0	0	0	1.3E2	1.539	30258	12240	Sisma Y SLO	0	41.8	0	0	1.3E2	1.539
30259	12240	Sisma X SLD	34.7	0	0	0	1.3E2	1.539	30260	12240	Sisma Y SLD	0	34.7	0	0	1.3E2	1.539
30261	12241	Sisma X SLV	79.2	0	0	0	128.8	1.539	30262	12241	Sisma Y SLV	0	79.2	0	0	128.8	1.539
30263	12241	Sisma X SLO	42.2	0	0	0	128.8	1.539	30264	12241	Sisma Y SLO	0	42.2	0	0	128.8	1.539
30265	12241	Sisma X SLD	35.1	0	0	0	128.8	1.539	30266	12241	Sisma Y SLD	0	35.1	0	0	128.8	1.539
30267	12242	Sisma X SLV	76.4	0	0	0	1.2E2	1.539	30268	12242	Sisma Y SLV	0	76.4	0	0	1.2E2	1.539
30269	12242	Sisma X SLO	40.7	0	0	0	1.2E2	1.539	30270	12242	Sisma Y SLO	0	40.7	0	0	1.2E2	1.539
30271	12242	Sisma X SLD	33.8	0	0	0	1.2E2	1.539	30272	12242	Sisma Y SLD	0	33.8	0	0	1.2E2	1.539
30273	12243	Sisma X SLV	62.8	0	0	0	1.0E2	1.54	30274	12243	Sisma Y SLV	0	62.8	0	0	1.0E2	1.54
30275	12243	Sisma X SLO	33.5	0	0	0	1.0E2	1.54	30276	12243	Sisma Y SLO	0	33.5	0	0	1.0E2	1.54
30277	12243	Sisma X SLD	27.8	0	0	0	1.0E2	1.54	30278	12243	Sisma Y SLD	0	27.8	0	0	1.0E2	1.54
30279	12244	Sisma X SLV	73.6	0	0	0	1.2E2	1.54	30280	12244	Sisma Y SLV	0	73.6	0	0	1.2E2	1.54
30281	12244	Sisma X SLO	39.3	0	0	0	1.2E2	1.54	30282	12244	Sisma Y SLO	0	39.3	0	0	1.2E2	1.54
30283	12244	Sisma X SLD	32.6	0	0	0	1.2E2	1.54	30284	12244	Sisma Y SLD	0	32.6	0	0	1.2E2	1.54
30285	12245	Sisma X SLV	74.7	0	0	0	1.2E2	1.54	30286	12245	Sisma Y SLV	0	74.7	0	0	1.2E2	1.54
30287	12245	Sisma X SLO	39.8	0	0	0	1.2E2	1.54	30288	12245	Sisma Y SLO	0	39.8	0	0	1.2E2	1.54
30289	12245	Sisma X SLD	33.1	0	0	0	1.2E2	1.54	30290	12245	Sisma Y SLD	0	33.1	0	0	1.2E2	1.54
30291	12246	Sisma X SLV	72.9	0	0	0	1.2E2	1.54	30292	12246	Sisma Y SLV	0	72.9	0	0	1.2E2	1.54
30293	12246	Sisma X SLO	38.9	0	0	0	1.2E2	1.54	30294	12246	Sisma Y SLO	0	38.9	0	0	1.2E2	1.54
30295	12246	Sisma X SLD	32.3	0	0	0	1.2E2	1.54	30296	12246	Sisma Y SLD	0	32.3	0	0	1.2E2	1.54
30297	12247	Sisma X SLV	72.6	0	0	0	1.2E2	1.54	30298	12247	Sisma Y SLV	0	72.6	0	0	1.2E2	1.54
30299	12247	Sisma X SLO	38.7	0	0	0	1.2E2	1.54	30300	12247	Sisma Y SLO	0	38.7	0	0	1.2E2	1.54
30301	12247	Sisma X SLD	32.1	0	0	0	1.2E2	1.54	30302	12247	Sisma Y SLD	0	32.1	0	0	1.2E2	1.54
30303	12248	Sisma X SLV	75.7	0	0	0	1.2E2	1.541	30304	12248	Sisma Y SLV	0	75.7	0	0	1.2E2	1.541
30305	12248	Sisma X SLO	40.3	0	0	0	1.2E2	1.541	30306	12248	Sisma Y SLO	0	40.3	0	0	1.2E2	1.541
30307	12248	Sisma X SLD	33.5	0	0	0	1.2E2	1.541	30308	12248	Sisma Y SLD	0	33.5	0	0	1.2E2	1.541
30309	12249	Sisma X SLV	66.4	0	0	0	1.1E2	1.541	30310	12249	Sisma Y SLV	0	66.4	0	0	1.1E2	1.541
30311	12249	Sisma X SLO	35.4	0	0	0	1.1E2	1.541	30312	12249	Sisma Y SLO	0	35.4	0	0	1.1E2	1.541

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
30313	12249	Sisma X SLD	29.4	0	0	0	1.1E2	1.541	30314	12249	Sisma Y SLD	0	29.4	0	0	1.1E2	1.541
30315	12250	Sisma X SLV	69.1	0	0	0	1.1E2	1.541	30316	12250	Sisma Y SLV	0	69.1	0	0	1.1E2	1.541
30317	12250	Sisma X SLO	36.8	0	0	0	1.1E2	1.541	30318	12250	Sisma Y SLO	0	36.8	0	0	1.1E2	1.541
30319	12250	Sisma X SLD	30.6	0	0	0	1.1E2	1.541	30320	12250	Sisma Y SLD	0	30.6	0	0	1.1E2	1.541
30321	12251	Sisma X SLV	71.8	0	0	0	1.2E2	1.541	30322	12251	Sisma Y SLV	0	71.8	0	0	1.2E2	1.541
30323	12251	Sisma X SLO	38.3	0	0	0	1.2E2	1.541	30324	12251	Sisma Y SLO	0	38.3	0	0	1.2E2	1.541
30325	12251	Sisma X SLD	31.8	0	0	0	1.2E2	1.541	30326	12251	Sisma Y SLD	0	31.8	0	0	1.2E2	1.541
30327	12252	Sisma X SLV	71	0	0	0	1.2E2	1.541	30328	12252	Sisma Y SLV	0	71	0	0	1.2E2	1.541
30329	12252	Sisma X SLO	37.9	0	0	0	1.2E2	1.541	30330	12252	Sisma Y SLO	0	37.9	0	0	1.2E2	1.541
30331	12252	Sisma X SLD	31.4	0	0	0	1.2E2	1.541	30332	12252	Sisma Y SLD	0	31.4	0	0	1.2E2	1.541
30333	12253	Sisma X SLV	66.2	0	0	0	1.1E2	1.541	30334	12253	Sisma Y SLV	0	66.2	0	0	1.1E2	1.541
30335	12253	Sisma X SLO	35.3	0	0	0	1.1E2	1.541	30336	12253	Sisma Y SLO	0	35.3	0	0	1.1E2	1.541
30337	12253	Sisma X SLD	29.3	0	0	0	1.1E2	1.541	30338	12253	Sisma Y SLD	0	29.3	0	0	1.1E2	1.541
30339	12254	Sisma X SLV	74.1	0	0	0	1.2E2	1.541	30340	12254	Sisma Y SLV	0	74.1	0	0	1.2E2	1.541
30341	12254	Sisma X SLO	39.5	0	0	0	1.2E2	1.541	30342	12254	Sisma Y SLO	0	39.5	0	0	1.2E2	1.541
30343	12254	Sisma X SLD	32.8	0	0	0	1.2E2	1.541	30344	12254	Sisma Y SLD	0	32.8	0	0	1.2E2	1.541
30345	12255	Sisma X SLV	68.3	0	0	0	1.1E2	1.541	30346	12255	Sisma Y SLV	0	68.3	0	0	1.1E2	1.541
30347	12255	Sisma X SLO	36.4	0	0	0	1.1E2	1.541	30348	12255	Sisma Y SLO	0	36.4	0	0	1.1E2	1.541
30349	12255	Sisma X SLD	30.2	0	0	0	1.1E2	1.541	30350	12255	Sisma Y SLD	0	30.2	0	0	1.1E2	1.541
30351	12256	Sisma X SLV	70.6	0	0	0	1.1E2	1.541	30352	12256	Sisma Y SLV	0	70.6	0	0	1.1E2	1.541
30353	12256	Sisma X SLO	37.6	0	0	0	1.1E2	1.541	30354	12256	Sisma Y SLO	0	37.6	0	0	1.1E2	1.541
30355	12256	Sisma X SLD	31.2	0	0	0	1.1E2	1.541	30356	12256	Sisma Y SLD	0	31.2	0	0	1.1E2	1.541
30357	12257	Sisma X SLV	72.9	0	0	0	1.2E2	1.541	30358	12257	Sisma Y SLV	0	72.9	0	0	1.2E2	1.541
30359	12257	Sisma X SLO	38.9	0	0	0	1.2E2	1.541	30360	12257	Sisma Y SLO	0	38.9	0	0	1.2E2	1.541
30361	12257	Sisma X SLD	32.3	0	0	0	1.2E2	1.541	30362	12257	Sisma Y SLD	0	32.3	0	0	1.2E2	1.541
30363	12258	Sisma X SLV	66.9	0	0	0	1.1E2	1.541	30364	12258	Sisma Y SLV	0	66.9	0	0	1.1E2	1.541
30365	12258	Sisma X SLO	35.7	0	0	0	1.1E2	1.541	30366	12258	Sisma Y SLO	0	35.7	0	0	1.1E2	1.541
30367	12258	Sisma X SLD	29.6	0	0	0	1.1E2	1.541	30368	12258	Sisma Y SLD	0	29.6	0	0	1.1E2	1.541
30369	12259	Sisma X SLV	69.3	0	0	0	1.1E2	1.541	30370	12259	Sisma Y SLV	0	69.3	0	0	1.1E2	1.541
30371	12259	Sisma X SLO	36.9	0	0	0	1.1E2	1.541	30372	12259	Sisma Y SLO	0	36.9	0	0	1.1E2	1.541
30373	12259	Sisma X SLD	30.7	0	0	0	1.1E2	1.541	30374	12259	Sisma Y SLD	0	30.7	0	0	1.1E2	1.541
30375	12260	Sisma X SLV	61.5	0	0	0	1.0E2	1.542	30376	12260	Sisma Y SLV	0	61.5	0	0	1.0E2	1.542
30377	12260	Sisma X SLO	32.8	0	0	0	1.0E2	1.542	30378	12260	Sisma Y SLO	0	32.8	0	0	1.0E2	1.542
30379	12260	Sisma X SLD	27.2	0	0	0	1.0E2	1.542	30380	12260	Sisma Y SLD	0	27.2	0	0	1.0E2	1.542
30381	12261	Sisma X SLV	68.6	0	0	0	1.1E2	1.542	30382	12261	Sisma Y SLV	0	68.6	0	0	1.1E2	1.542
30383	12261	Sisma X SLO	36.6	0	0	0	1.1E2	1.542	30384	12261	Sisma Y SLO	0	36.6	0	0	1.1E2	1.542
30385	12261	Sisma X SLD	30.3	0	0	0	1.1E2	1.542	30386	12261	Sisma Y SLD	0	30.3	0	0	1.1E2	1.542
30387	12262	Sisma X SLV	73.3	0	0	0	1.2E2	1.542	30388	12262	Sisma Y SLV	0	73.3	0	0	1.2E2	1.542
30389	12262	Sisma X SLO	39.1	0	0	0	1.2E2	1.542	30390	12262	Sisma Y SLO	0	39.1	0	0	1.2E2	1.542
30391	12262	Sisma X SLD	32.4	0	0	0	1.2E2	1.542	30392	12262	Sisma Y SLD	0	32.4	0	0	1.2E2	1.542
30393	12263	Sisma X SLV	67.6	0	0	0	1.1E2	1.542	30394	12263	Sisma Y SLV	0	67.6	0	0	1.1E2	1.542
30395	12263	Sisma X SLO	36.1	0	0	0	1.1E2	1.542	30396	12263	Sisma Y SLO	0	36.1	0	0	1.1E2	1.542
30397	12263	Sisma X SLD	29.9	0	0	0	1.1E2	1.542	30398	12263	Sisma Y SLD	0	29.9	0	0	1.1E2	1.542
30399	12264	Sisma X SLV	66.6	0	0	0	1.1E2	1.543	30400	12264	Sisma Y SLV	0	66.6	0	0	1.1E2	1.543
30401	12264	Sisma X SLO	35.5	0	0	0	1.1E2	1.543	30402	12264	Sisma Y SLO	0	35.5	0	0	1.1E2	1.543
30403	12264	Sisma X SLD	29.5	0	0	0	1.1E2	1.543	30404	12264	Sisma Y SLD	0	29.5	0	0	1.1E2	1.543
30405	12265	Sisma X SLV	74.6	0	0	0	1.2E2	1.543	30406	12265	Sisma Y SLV	0	74.6	0	0	1.2E2	1.543
30407	12265	Sisma X SLO	39.8	0	0	0	1.2E2	1.543	30408	12265	Sisma Y SLO	0	39.8	0	0	1.2E2	1.543
30409	12265	Sisma X SLD	33	0	0	0	1.2E2	1.543	30410	12265	Sisma Y SLD	0	33	0	0	1.2E2	1.543
30411	12266	Sisma X SLV	73.1	0	0	0	118.6	1.543	30412	12266	Sisma Y SLV	0	73.1	0	0	118.6	1.543
30413	12266	Sisma X SLO	39	0	0	0	118.6	1.543	30414	12266	Sisma Y SLO	0	39	0	0	118.6	1.543
30415	12266	Sisma X SLD	32.4	0	0	0	118.6	1.543	30416	12266	Sisma Y SLD	0	32.4	0	0	118.6	1.543
30417	12267	Sisma X SLV	74.1	0	0	0	1.2E2	1.543	30418	12267	Sisma Y SLV	0	74.1	0	0	1.2E2	1.543
30419	12267	Sisma X SLO	39.5	0	0	0	1.2E2	1.543	30420	12267	Sisma Y SLO	0	39.5	0	0	1.2E2	1.543
30421	12267	Sisma X SLD	32.8	0	0	0	1.2E2	1.543	30422	12267	Sisma Y SLD	0	32.8	0	0	1.2E2	1.543
30423	12268	Sisma X SLV	69.9	0	0	0	1.1E2	1.543	30424	12268	Sisma Y SLV	0	69.9	0	0	1.1E2	1.543
30425	12268	Sisma X SLO	37.2	0	0	0	1.1E2	1.543	30426	12268	Sisma Y SLO	0	37.2	0	0	1.1E2	1.543
30427	12268	Sisma X SLD	30.9	0	0	0	1.1E2	1.543	30428	12268	Sisma Y SLD	0	30.9	0	0	1.1E2	1.543
30429	12269	Sisma X SLV	73.5	0	0	0	1.2E2	1.544	30430	12269	Sisma Y SLV	0	73.5	0	0	1.2E2	1.544
30431	12269	Sisma X SLO	39.2	0	0	0	1.2E2	1.544	30432	12269	Sisma Y SLO	0	39.2	0	0	1.2E2	1.544
30433	12269	Sisma X SLD	32.5	0	0	0	1.2E2	1.544	30434	12269	Sisma Y SLD	0	32.5	0	0	1.2E2	1.544
30435	12270	Sisma X SLV	77.6	0	0	0	1.3E2	1.544	30436	12270	Sisma Y SLV	0	77.6	0	0	1.3E2	1.544
30437	12270	Sisma X SLO	41.4	0	0	0	1.3E2	1.544	30438	12270	Sisma Y SLO	0	41.4	0	0	1.3E2	1.544
30439	12270	Sisma X SLD	34.3	0	0	0	1.3E2	1.544	30440	12270	Sisma Y SLD	0	34.3	0	0	1.3E2	1.544
30441	12271	Sisma X SLV	72.2	0	0	0	1.2E2	1.544	30442	12271	Sisma Y SLV	0	72.2	0	0	1.2E2	1.544
30443	12271	Sisma X SLO	38.5	0	0	0	1.2E2	1.544	30444	12271	Sisma Y SLO	0	38.5	0	0	1.2E2	1.544
30445	12271	Sisma X SLD	31.9	0	0	0	1.2E2	1.544	30446	12271	Sisma Y SLD	0	31.9	0	0	1.2E2	1.544
30447	12272	Sisma X SLV	76.3	0	0	0	1.2E2	1.544	30448	12272	Sisma Y SLV	0	76.3	0	0	1.2E2	1.544
30449	12272	Sisma X SLO	40.7	0	0	0	1.2E2	1.544	30450	12272	Sisma Y SLO	0	40.7	0	0	1.2E2	1.544
30451	12272	Sisma X SLD	33.8	0	0	0	1.2E2	1.544	30452	12272	Sisma Y SLD	0	33.8	0	0	1.2E2	1.544
30453	12273	Sisma X SLV	67	0	0	0	1.1E2	1.544	30454	12273	Sisma Y SLV	0	67	0	0	1.1E2	1.544
30455	12273	Sisma X SLO	35.7	0	0	0	1.1E2	1.544	30456	12273	Sisma Y SLO	0	35.7	0	0	1.1E2	1.544
30457	12273	Sisma X SLD	29.7	0	0	0	1.1E2	1.544	30458	12273	Sisma Y SLD	0	29.7	0	0	1.1E2	1.544
30459	12274	Sisma X SLV	69.1	0	0	0	1.1E2	1.544	30460	12274	Sisma Y SLV	0	69.1	0	0	1.1E2	1.544
30461	12274	Sisma X SLO	36.8	0	0	0	1.1E2	1.544	30462	12274	Sisma Y SLO	0	36.8	0	0	1.1E2	1.544
30463	12274	Sisma X SLD	30.6	0	0	0	1.1E2	1.544	30464	12274	Sisma Y SLD	0	30.6	0	0	1.1E2	1.544
30465	12275	Sisma X SLV	68.8	0	0	0	1.1E2	1.545	30466	12275	Sisma Y SLV	0	68.8	0	0	1.1E2	1.545
30467	12275	Sisma X SLO	36.7	0	0	0	1.1E2	1.545	30468	12275	Sisma Y SLO	0	36.7	0	0	1.1E2	1.545
30469	12275	Sisma X SLD	30.4	0	0	0	1.1E2	1.545	30470	12275	Sisma Y SLD	0	30.4	0	0	1.1E2	1.545
30471	12276	Sisma X SLV	69.5	0	0	0	1.1E2	1.545	30472	12276	Sisma Y SLV	0	69.5	0	0	1.1E2	1.545
30473	12276	Sisma X SLO	37	0	0	0	1.1E2	1.545	30474	12276	Sisma Y SLO	0	37	0	0	1.1E2	1.545
30475	12276	Sisma X SLD	30.8	0	0	0	1.1E2	1.545	30476	12276	Sisma Y SLD	0	30.8	0	0	1.1E2	1.545
30477	12277	Sisma X SLV	65.2	0	0	0	1.1E2	1.545	30478	12277	Sisma Y SLV	0	65.2	0	0	1.1E2	1.545
30479	12277	Sisma X SLO	34.8	0	0	0	1.1E2	1.545	30480	12277	Sisma Y SLO	0	34.8	0	0	1.1E2	1.545
30481	12277	Sisma X SLD	28.8	0	0	0	1.1E2	1.545	30482	12277	Sisma Y SLD	0	28.8	0	0	1.1E2	1.545
30483	12278	Sisma X SLV	62	0	0	0	1.0E2	1.545	30484	12278	Sisma Y SLV	0	62	0	0	1.0E2	1.545
30485	12278	Sisma X SLO	33.1	0	0	0	1.0E2	1.545	30486	12278	Sisma Y SLO	0	33.1	0	0	1.0E2	1.545
30487	12278	Sisma X SLD	27.4	0	0	0	1.0E2	1.545	30488	12278	Sisma Y SLD	0	27.4	0	0	1.0E2	1.545
30489	12279	Sisma X SLV	70.5	0	0	0	1.1E2	1.545	30490	12279	Sisma Y SLV	0	70.5	0	0	1.1E2	1.545
30491	12279	Sisma X SLO	37.6	0	0	0	1.1E2	1.545	30492	12279	Sisma Y SLO	0	37.6	0	0	1.1E2	1.545
30493	12279	Sisma X SLD	31.2	0	0	0	1.1E2	1.545	30494	12279	Sisma Y SLD	0	31.2	0	0	1.1E2	1.545
30495	12280	Sisma X SLV	63.2	0	0	0	1.0E2	1.545	30496	12280	Sisma Y SLV	0	63.2	0	0	1.0E2	1.545
30497	12280	Sisma X SLO	33.7	0	0	0	1.0E2	1.545	30498	12280	Sisma Y SLO	0	33.7	0	0	1.0E2	1.545
30499	12280	Sisma X SLD	28	0	0	0	1.0E2	1.545	30500	12280	Sisma Y SLD	0	28	0	0	1.0E2	1.545
30501	12281	Sisma X SLV	61.4	0	0	0	9.9E1	1.545	30502	12281	Sisma Y SLV	0	61.4	0	0	9.9E1	1.545
30503	12281	Sisma X SLO	32.7	0	0	0	9.9E1	1.545	30504	12281	Sisma Y SLO	0	32.7	0	0	9.9E1	1.545
30505	12281	Sisma X SLD	27.2	0	0	0	9.9E1	1.545	30506	12281	Sisma Y SLD	0	27.2	0	0	9.9E1	1.545
30507	12282	Sisma X SLV	62.2	0	0	0	1.0E2	1.545	30508	12282	Sisma Y SLV	0	62.2	0	0	1.0E2	1.545
30509	12282	Sisma X SLO	33.2	0	0	0	1.0E2	1.545	30510	12282	Sisma Y SLO	0	33.2	0	0	1.0E2	1.545
30511	12282	Sisma X SLD	27.5	0	0	0	1.0E2	1.545	30512	12282	Sisma Y SLD	0	27.5	0	0	1.0E2	1.545

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
30513	12283	Sisma X SLV	52.6	0	0	0	8.5E1	1.545	30514	12283	Sisma Y SLV	0	52.6	0	0	8.5E1	1.545
30515	12283	Sisma X SLO	28.1	0	0	0	8.5E1	1.545	30516	12283	Sisma Y SLO	0	28.1	0	0	8.5E1	1.545
30517	12283	Sisma X SLD	23.3	0	0	0	8.5E1	1.545	30518	12283	Sisma Y SLD	0	23.3	0	0	8.5E1	1.545
30519	12284	Sisma X SLV	70.3	0	0	0	1.1E2	1.546	30520	12284	Sisma Y SLV	0	70.3	0	0	1.1E2	1.546
30521	12284	Sisma X SLO	37.5	0	0	0	1.1E2	1.546	30522	12284	Sisma Y SLO	0	37.5	0	0	1.1E2	1.546
30523	12284	Sisma X SLD	31.1	0	0	0	1.1E2	1.546	30524	12284	Sisma Y SLD	0	31.1	0	0	1.1E2	1.546
30525	12285	Sisma X SLV	69.3	0	0	0	1.1E2	1.546	30526	12285	Sisma Y SLV	0	69.3	0	0	1.1E2	1.546
30527	12285	Sisma X SLO	37	0	0	0	1.1E2	1.546	30528	12285	Sisma Y SLO	0	37	0	0	1.1E2	1.546
30529	12285	Sisma X SLD	30.7	0	0	0	1.1E2	1.546	30530	12285	Sisma Y SLD	0	30.7	0	0	1.1E2	1.546
30531	12286	Sisma X SLV	58.6	0	0	0	9.5E1	1.546	30532	12286	Sisma Y SLV	0	58.6	0	0	9.5E1	1.546
30533	12286	Sisma X SLO	31.3	0	0	0	9.5E1	1.546	30534	12286	Sisma Y SLO	0	31.3	0	0	9.5E1	1.546
30535	12286	Sisma X SLD	25.9	0	0	0	9.5E1	1.546	30536	12286	Sisma Y SLD	0	25.9	0	0	9.5E1	1.546
30537	12287	Sisma X SLV	67.8	0	0	0	1.1E2	1.546	30538	12287	Sisma Y SLV	0	67.8	0	0	1.1E2	1.546
30539	12287	Sisma X SLO	36.1	0	0	0	1.1E2	1.546	30540	12287	Sisma Y SLO	0	36.1	0	0	1.1E2	1.546
30541	12287	Sisma X SLD	30	0	0	0	1.1E2	1.546	30542	12287	Sisma Y SLD	0	30	0	0	1.1E2	1.546
30543	12288	Sisma X SLV	67.4	0	0	0	109	1.547	30544	12288	Sisma Y SLV	0	67.4	0	0	109	1.547
30545	12288	Sisma X SLO	35.9	0	0	0	109	1.547	30546	12288	Sisma Y SLO	0	35.9	0	0	109	1.547
30547	12288	Sisma X SLD	29.8	0	0	0	109	1.547	30548	12288	Sisma Y SLD	0	29.8	0	0	109	1.547
30549	12289	Sisma X SLV	60.9	0	0	0	9.9E1	1.547	30550	12289	Sisma Y SLV	0	60.9	0	0	9.9E1	1.547
30551	12289	Sisma X SLO	32.5	0	0	0	9.9E1	1.547	30552	12289	Sisma Y SLO	0	32.5	0	0	9.9E1	1.547
30553	12289	Sisma X SLD	27	0	0	0	9.9E1	1.547	30554	12289	Sisma Y SLD	0	27	0	0	9.9E1	1.547
30555	12290	Sisma X SLV	66	0	0	0	1.1E2	1.547	30556	12290	Sisma Y SLV	0	66	0	0	1.1E2	1.547
30557	12290	Sisma X SLO	35.2	0	0	0	1.1E2	1.547	30558	12290	Sisma Y SLO	0	35.2	0	0	1.1E2	1.547
30559	12290	Sisma X SLD	29.2	0	0	0	1.1E2	1.547	30560	12290	Sisma Y SLD	0	29.2	0	0	1.1E2	1.547
30561	12291	Sisma X SLV	59.7	0	0	0	9.7E1	1.547	30562	12291	Sisma Y SLV	0	59.7	0	0	9.7E1	1.547
30563	12291	Sisma X SLO	31.8	0	0	0	9.7E1	1.547	30564	12291	Sisma Y SLO	0	31.8	0	0	9.7E1	1.547
30565	12291	Sisma X SLD	26.4	0	0	0	9.7E1	1.547	30566	12291	Sisma Y SLD	0	26.4	0	0	9.7E1	1.547
30567	12292	Sisma X SLV	57.3	0	0	0	9.3E1	1.547	30568	12292	Sisma Y SLV	0	57.3	0	0	9.3E1	1.547
30569	12292	Sisma X SLO	30.6	0	0	0	9.3E1	1.547	30570	12292	Sisma Y SLO	0	30.6	0	0	9.3E1	1.547
30571	12292	Sisma X SLD	25.4	0	0	0	9.3E1	1.547	30572	12292	Sisma Y SLD	0	25.4	0	0	9.3E1	1.547
30573	12293	Sisma X SLV	57.3	0	0	0	9.3E1	1.547	30574	12293	Sisma Y SLV	0	57.3	0	0	9.3E1	1.547
30575	12293	Sisma X SLO	30.5	0	0	0	9.3E1	1.547	30576	12293	Sisma Y SLO	0	30.5	0	0	9.3E1	1.547
30577	12293	Sisma X SLD	25.3	0	0	0	9.3E1	1.547	30578	12293	Sisma Y SLD	0	25.3	0	0	9.3E1	1.547
30579	12294	Sisma X SLV	66	0	0	0	1.1E2	1.547	30580	12294	Sisma Y SLV	0	66	0	0	1.1E2	1.547
30581	12294	Sisma X SLO	35.2	0	0	0	1.1E2	1.547	30582	12294	Sisma Y SLO	0	35.2	0	0	1.1E2	1.547
30583	12294	Sisma X SLD	29.2	0	0	0	1.1E2	1.547	30584	12294	Sisma Y SLD	0	29.2	0	0	1.1E2	1.547
30585	12295	Sisma X SLV	61	0	0	0	9.9E1	1.547	30586	12295	Sisma Y SLV	0	61	0	0	9.9E1	1.547
30587	12295	Sisma X SLO	32.5	0	0	0	9.9E1	1.547	30588	12295	Sisma Y SLO	0	32.5	0	0	9.9E1	1.547
30589	12295	Sisma X SLD	27	0	0	0	9.9E1	1.547	30590	12295	Sisma Y SLD	0	27	0	0	9.9E1	1.547
30591	12296	Sisma X SLV	67.5	0	0	0	1.1E2	1.547	30592	12296	Sisma Y SLV	0	67.5	0	0	1.1E2	1.547
30593	12296	Sisma X SLO	36	0	0	0	1.1E2	1.547	30594	12296	Sisma Y SLO	0	36	0	0	1.1E2	1.547
30595	12296	Sisma X SLD	29.9	0	0	0	1.1E2	1.547	30596	12296	Sisma Y SLD	0	29.9	0	0	1.1E2	1.547
30597	12297	Sisma X SLV	68.4	0	0	0	1.1E2	1.547	30598	12297	Sisma Y SLV	0	68.4	0	0	1.1E2	1.547
30599	12297	Sisma X SLO	36.5	0	0	0	1.1E2	1.547	30600	12297	Sisma Y SLO	0	36.5	0	0	1.1E2	1.547
30601	12297	Sisma X SLD	30.3	0	0	0	1.1E2	1.547	30602	12297	Sisma Y SLD	0	30.3	0	0	1.1E2	1.547
30603	12298	Sisma X SLV	55.8	0	0	0	9.0E1	1.548	30604	12298	Sisma Y SLV	0	55.8	0	0	9.0E1	1.548
30605	12298	Sisma X SLO	29.7	0	0	0	9.0E1	1.548	30606	12298	Sisma Y SLO	0	29.7	0	0	9.0E1	1.548
30607	12298	Sisma X SLD	24.7	0	0	0	9.0E1	1.548	30608	12298	Sisma Y SLD	0	24.7	0	0	9.0E1	1.548
30609	12299	Sisma X SLV	68	0	0	0	1.1E2	1.548	30610	12299	Sisma Y SLV	0	68	0	0	1.1E2	1.548
30611	12299	Sisma X SLO	36.3	0	0	0	1.1E2	1.548	30612	12299	Sisma Y SLO	0	36.3	0	0	1.1E2	1.548
30613	12299	Sisma X SLD	30.1	0	0	0	1.1E2	1.548	30614	12299	Sisma Y SLD	0	30.1	0	0	1.1E2	1.548
30615	12300	Sisma X SLV	64.9	0	0	0	1.0E2	1.548	30616	12300	Sisma Y SLV	0	64.9	0	0	1.0E2	1.548
30617	12300	Sisma X SLO	34.6	0	0	0	1.0E2	1.548	30618	12300	Sisma Y SLO	0	34.6	0	0	1.0E2	1.548
30619	12300	Sisma X SLD	28.7	0	0	0	1.0E2	1.548	30620	12300	Sisma Y SLD	0	28.7	0	0	1.0E2	1.548
30621	12301	Sisma X SLV	59.1	0	0	0	9.6E1	1.548	30622	12301	Sisma Y SLV	0	59.1	0	0	9.6E1	1.548
30623	12301	Sisma X SLO	31.5	0	0	0	9.6E1	1.548	30624	12301	Sisma Y SLO	0	31.5	0	0	9.6E1	1.548
30625	12301	Sisma X SLD	26.2	0	0	0	9.6E1	1.548	30626	12301	Sisma Y SLD	0	26.2	0	0	9.6E1	1.548
30627	12302	Sisma X SLV	58.4	0	0	0	9.4E1	1.548	30628	12302	Sisma Y SLV	0	58.4	0	0	9.4E1	1.548
30629	12302	Sisma X SLO	31.1	0	0	0	9.4E1	1.548	30630	12302	Sisma Y SLO	0	31.1	0	0	9.4E1	1.548
30631	12302	Sisma X SLD	25.8	0	0	0	9.4E1	1.548	30632	12302	Sisma Y SLD	0	25.8	0	0	9.4E1	1.548
30633	12303	Sisma X SLV	57.3	0	0	0	9.3E1	1.548	30634	12303	Sisma Y SLV	0	57.3	0	0	9.3E1	1.548
30635	12303	Sisma X SLO	30.6	0	0	0	9.3E1	1.548	30636	12303	Sisma Y SLO	0	30.6	0	0	9.3E1	1.548
30637	12303	Sisma X SLD	25.4	0	0	0	9.3E1	1.548	30638	12303	Sisma Y SLD	0	25.4	0	0	9.3E1	1.548
30639	12304	Sisma X SLV	64.2	0	0	0	1.0E2	1.548	30640	12304	Sisma Y SLV	0	64.2	0	0	1.0E2	1.548
30641	12304	Sisma X SLO	34.2	0	0	0	1.0E2	1.548	30642	12304	Sisma Y SLO	0	34.2	0	0	1.0E2	1.548
30643	12304	Sisma X SLD	28.4	0	0	0	1.0E2	1.548	30644	12304	Sisma Y SLD	0	28.4	0	0	1.0E2	1.548
30645	12305	Sisma X SLV	62	0	0	0	1.0E2	1.548	30646	12305	Sisma Y SLV	0	62	0	0	1.0E2	1.548
30647	12305	Sisma X SLO	33.1	0	0	0	1.0E2	1.548	30648	12305	Sisma Y SLO	0	33.1	0	0	1.0E2	1.548
30649	12305	Sisma X SLD	27.4	0	0	0	1.0E2	1.548	30650	12305	Sisma Y SLD	0	27.4	0	0	1.0E2	1.548
30651	12306	Sisma X SLV	67.8	0	0	0	1.1E2	1.549	30652	12306	Sisma Y SLV	0	67.8	0	0	1.1E2	1.549
30653	12306	Sisma X SLO	36.2	0	0	0	1.1E2	1.549	30654	12306	Sisma Y SLO	0	36.2	0	0	1.1E2	1.549
30655	12306	Sisma X SLD	30	0	0	0	1.1E2	1.549	30656	12306	Sisma Y SLD	0	30	0	0	1.1E2	1.549
30657	12307	Sisma X SLV	62.8	0	0	0	1.0E2	1.549	30658	12307	Sisma Y SLV	0	62.8	0	0	1.0E2	1.549
30659	12307	Sisma X SLO	33.5	0	0	0	1.0E2	1.549	30660	12307	Sisma Y SLO	0	33.5	0	0	1.0E2	1.549
30661	12307	Sisma X SLD	27.8	0	0	0	1.0E2	1.549	30662	12307	Sisma Y SLD	0	27.8	0	0	1.0E2	1.549
30663	12308	Sisma X SLV	73.6	0	0	0	1.2E2	1.549	30664	12308	Sisma Y SLV	0	73.6	0	0	1.2E2	1.549
30665	12308	Sisma X SLO	39.2	0	0	0	1.2E2	1.549	30666	12308	Sisma Y SLO	0	39.2	0	0	1.2E2	1.549
30667	12308	Sisma X SLD	32.6	0	0	0	1.2E2	1.549	30668	12308	Sisma Y SLD	0	32.6	0	0	1.2E2	1.549
30669	12309	Sisma X SLV	60	0	0	0	9.7E1	1.549	30670	12309	Sisma Y SLV	0	60	0	0	9.7E1	1.549
30671	12309	Sisma X SLO	32	0	0	0	9.7E1	1.549	30672	12309	Sisma Y SLO	0	32	0	0	9.7E1	1.549
30673	12309	Sisma X SLD	26.6	0	0	0	9.7E1	1.549	30674	12309	Sisma Y SLD	0	26.6	0	0	9.7E1	1.549
30675	12310	Sisma X SLV	66.8	0	0	0	1.1E2	1.549	30676	12310	Sisma Y SLV	0	66.8	0	0	1.1E2	1.549
30677	12310	Sisma X SLO	35.6	0	0	0	1.1E2	1.549	30678	12310	Sisma Y SLO	0	35.6	0	0	1.1E2	1.549
30679	12310	Sisma X SLD	29.6	0	0	0	1.1E2	1.549	30680	12310	Sisma Y SLD	0	29.6	0	0	1.1E2	1.549
30681	12311	Sisma X SLV	70	0	0	0	1.1E2	1.549	30682	12311	Sisma Y SLV	0	70	0	0	1.1E2	1.549
30683	12311	Sisma X SLO	37.3	0	0	0	1.1E2	1.549	30684	12311	Sisma Y SLO	0	37.3	0	0	1.1E2	1.549
30685	12311	Sisma X SLD	31	0	0	0	1.1E2	1.549	30686	12311	Sisma Y SLD	0	31	0	0	1.1E2	1.549
30687	12312	Sisma X SLV	63.5	0	0	0	1.0E2	1.549	30688	12312	Sisma Y SLV	0	63.5	0	0	1.0E2	1.549
30689	12312	Sisma X SLO	33.8	0	0	0	1.0E2	1.549	30690	12312	Sisma Y SLO	0	33.8	0	0	1.0E2	1.549
30691	12312	Sisma X SLD	28.1	0	0	0	1.0E2	1.549	30692	12312	Sisma Y SLD	0	28.1	0	0	1.0E2	1.549
30693	12313	Sisma X SLV	52.3	0	0	0	8.5E1	1.549	30694	12313	Sisma Y SLV	0	52.3	0	0	8.5E1	1.549
30695	12313	Sisma X SLO	27.9	0	0	0	8.5E1	1.549	30696	12313	Sisma Y SLO	0	27.9	0	0	8.5E1	1.549
30697	12313	Sisma X SLD	23.2	0	0	0	8.5E1	1.549	30698	12313	Sisma Y SLD	0	23.2	0	0	8.5E1	1.549
30699	12314	Sisma X SLV	63.7	0	0	0	1.0E2	1.549	30700	12314	Sisma Y SLV	0	63.7	0	0	1.0E2	1.549
30701	12314	Sisma X SLO	33.9	0	0	0	1.0E2	1.549	30702	12314	Sisma Y SLO	0	33.9	0	0	1.0E2	1.549
30703	12314	Sisma X SLD	28.2	0	0	0	1.0E2	1.549	30704	12314	Sisma Y SLD	0	28.2	0	0	1.0E2	1.549
30705	12315	Sisma X SLV	61.1	0	0	0	9.9E1	1.55	30706	12315	Sisma Y SLV	0	61.1	0	0	9.9E1	1.55
30707	12315	Sisma X SLO	32.6	0	0	0	9.9E1	1.55	30708	12315	Sisma Y SLO	0	32.6	0	0	9.9E1	1.55
30709	12315	Sisma X SLD	27	0	0	0	9.9E1	1.55	30710	12315	Sisma Y SLD	0	27	0	0	9.9E1	1.55
30711	12316	Sisma X SLV	60.6	0	0	0	9.8E1	1.55	30712	12316	Sisma Y SLV	0	60.6	0	0	9.8E1	1.55

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
30713	12316	Sisma X SLO	32.3	0	0	0	9.8E1	1.55	30714	12316	Sisma Y SLO	0	32.3	0	0	9.8E1	1.55
30715	12316	Sisma X SLD	26.8	0	0	0	9.8E1	1.55	30716	12316	Sisma Y SLD	0	26.8	0	0	9.8E1	1.55
30717	12317	Sisma X SLV	69.8	0	0	0	1.1E2	1.55	30718	12317	Sisma Y SLV	0	69.8	0	0	1.1E2	1.55
30719	12317	Sisma X SLO	37.2	0	0	0	1.1E2	1.55	30720	12317	Sisma Y SLO	0	37.2	0	0	1.1E2	1.55
30721	12317	Sisma X SLD	30.9	0	0	0	1.1E2	1.55	30722	12317	Sisma Y SLD	0	30.9	0	0	1.1E2	1.55
30723	12318	Sisma X SLV	57.4	0	0	0	9.3E1	1.55	30724	12318	Sisma Y SLV	0	57.4	0	0	9.3E1	1.55
30725	12318	Sisma X SLO	30.6	0	0	0	9.3E1	1.55	30726	12318	Sisma Y SLO	0	30.6	0	0	9.3E1	1.55
30727	12318	Sisma X SLD	25.4	0	0	0	9.3E1	1.55	30728	12318	Sisma Y SLD	0	25.4	0	0	9.3E1	1.55
30729	12319	Sisma X SLV	60.6	0	0	0	9.8E1	1.55	30730	12319	Sisma Y SLV	0	60.6	0	0	9.8E1	1.55
30731	12319	Sisma X SLO	32.3	0	0	0	9.8E1	1.55	30732	12319	Sisma Y SLO	0	32.3	0	0	9.8E1	1.55
30733	12319	Sisma X SLD	26.8	0	0	0	9.8E1	1.55	30734	12319	Sisma Y SLD	0	26.8	0	0	9.8E1	1.55
30735	12320	Sisma X SLV	65.2	0	0	0	1.1E2	1.55	30736	12320	Sisma Y SLV	0	65.2	0	0	1.1E2	1.55
30737	12320	Sisma X SLO	34.8	0	0	0	1.1E2	1.55	30738	12320	Sisma Y SLO	0	34.8	0	0	1.1E2	1.55
30739	12320	Sisma X SLD	28.8	0	0	0	1.1E2	1.55	30740	12320	Sisma Y SLD	0	28.8	0	0	1.1E2	1.55
30741	12321	Sisma X SLV	59.4	0	0	0	9.6E1	1.55	30742	12321	Sisma Y SLV	0	59.4	0	0	9.6E1	1.55
30743	12321	Sisma X SLO	31.6	0	0	0	9.6E1	1.55	30744	12321	Sisma Y SLO	0	31.6	0	0	9.6E1	1.55
30745	12321	Sisma X SLD	26.3	0	0	0	9.6E1	1.55	30746	12321	Sisma Y SLD	0	26.3	0	0	9.6E1	1.55
30747	12322	Sisma X SLV	56.5	0	0	0	9.1E1	1.55	30748	12322	Sisma Y SLV	0	56.5	0	0	9.1E1	1.55
30749	12322	Sisma X SLO	30.1	0	0	0	9.1E1	1.55	30750	12322	Sisma Y SLO	0	30.1	0	0	9.1E1	1.55
30751	12322	Sisma X SLD	25	0	0	0	9.1E1	1.55	30752	12322	Sisma Y SLD	0	25	0	0	9.1E1	1.55
30753	12323	Sisma X SLV	58.8	0	0	0	9.5E1	1.55	30754	12323	Sisma Y SLV	0	58.8	0	0	9.5E1	1.55
30755	12323	Sisma X SLO	31.3	0	0	0	9.5E1	1.55	30756	12323	Sisma Y SLO	0	31.3	0	0	9.5E1	1.55
30757	12323	Sisma X SLD	26	0	0	0	9.5E1	1.55	30758	12323	Sisma Y SLD	0	26	0	0	9.5E1	1.55
30759	12324	Sisma X SLV	59.2	0	0	0	9.6E1	1.55	30760	12324	Sisma Y SLV	0	59.2	0	0	9.6E1	1.55
30761	12324	Sisma X SLO	31.5	0	0	0	9.6E1	1.55	30762	12324	Sisma Y SLO	0	31.5	0	0	9.6E1	1.55
30763	12324	Sisma X SLD	26.2	0	0	0	9.6E1	1.55	30764	12324	Sisma Y SLD	0	26.2	0	0	9.6E1	1.55
30765	12325	Sisma X SLV	55.2	0	0	0	8.9E1	1.55	30766	12325	Sisma Y SLV	0	55.2	0	0	8.9E1	1.55
30767	12325	Sisma X SLO	29.5	0	0	0	8.9E1	1.55	30768	12325	Sisma Y SLO	0	29.5	0	0	8.9E1	1.55
30769	12325	Sisma X SLD	24.4	0	0	0	8.9E1	1.55	30770	12325	Sisma Y SLD	0	24.4	0	0	8.9E1	1.55
30771	12326	Sisma X SLV	64.3	0	0	0	1.0E2	1.55	30772	12326	Sisma Y SLV	0	64.3	0	0	1.0E2	1.55
30773	12326	Sisma X SLO	34.3	0	0	0	1.0E2	1.55	30774	12326	Sisma Y SLO	0	34.3	0	0	1.0E2	1.55
30775	12326	Sisma X SLD	28.5	0	0	0	1.0E2	1.55	30776	12326	Sisma Y SLD	0	28.5	0	0	1.0E2	1.55
30777	12327	Sisma X SLV	58.8	0	0	0	9.5E1	1.55	30778	12327	Sisma Y SLV	0	58.8	0	0	9.5E1	1.55
30779	12327	Sisma X SLO	31.3	0	0	0	9.5E1	1.55	30780	12327	Sisma Y SLO	0	31.3	0	0	9.5E1	1.55
30781	12327	Sisma X SLD	26	0	0	0	9.5E1	1.55	30782	12327	Sisma Y SLD	0	26	0	0	9.5E1	1.55
30783	12328	Sisma X SLV	59.7	0	0	0	9.6E1	1.55	30784	12328	Sisma Y SLV	0	59.7	0	0	9.6E1	1.55
30785	12328	Sisma X SLO	31.8	0	0	0	9.6E1	1.55	30786	12328	Sisma Y SLO	0	31.8	0	0	9.6E1	1.55
30787	12328	Sisma X SLD	26.4	0	0	0	9.6E1	1.55	30788	12328	Sisma Y SLD	0	26.4	0	0	9.6E1	1.55
30789	12329	Sisma X SLV	56.6	0	0	0	9.1E1	1.551	30790	12329	Sisma Y SLV	0	56.6	0	0	9.1E1	1.551
30791	12329	Sisma X SLO	30.2	0	0	0	9.1E1	1.551	30792	12329	Sisma Y SLO	0	30.2	0	0	9.1E1	1.551
30793	12329	Sisma X SLD	25	0	0	0	9.1E1	1.551	30794	12329	Sisma Y SLD	0	25	0	0	9.1E1	1.551
30795	12330	Sisma X SLV	56.4	0	0	0	9.1E1	1.551	30796	12330	Sisma Y SLV	0	56.4	0	0	9.1E1	1.551
30797	12330	Sisma X SLO	30.1	0	0	0	9.1E1	1.551	30798	12330	Sisma Y SLO	0	30.1	0	0	9.1E1	1.551
30799	12330	Sisma X SLD	25	0	0	0	9.1E1	1.551	30800	12330	Sisma Y SLD	0	25	0	0	9.1E1	1.551
30801	12331	Sisma X SLV	57.9	0	0	0	9.3E1	1.551	30802	12331	Sisma Y SLV	0	57.9	0	0	9.3E1	1.551
30803	12331	Sisma X SLO	30.9	0	0	0	9.3E1	1.551	30804	12331	Sisma Y SLO	0	30.9	0	0	9.3E1	1.551
30805	12331	Sisma X SLD	25.6	0	0	0	9.3E1	1.551	30806	12331	Sisma Y SLD	0	25.6	0	0	9.3E1	1.551
30807	12332	Sisma X SLV	56	0	0	0	9.0E1	1.551	30808	12332	Sisma Y SLV	0	56	0	0	9.0E1	1.551
30809	12332	Sisma X SLO	29.9	0	0	0	9.0E1	1.551	30810	12332	Sisma Y SLO	0	29.9	0	0	9.0E1	1.551
30811	12332	Sisma X SLD	24.8	0	0	0	9.0E1	1.551	30812	12332	Sisma Y SLD	0	24.8	0	0	9.0E1	1.551
30813	12333	Sisma X SLV	58.6	0	0	0	9.4E1	1.551	30814	12333	Sisma Y SLV	0	58.6	0	0	9.4E1	1.551
30815	12333	Sisma X SLO	31.2	0	0	0	9.4E1	1.551	30816	12333	Sisma Y SLO	0	31.2	0	0	9.4E1	1.551
30817	12333	Sisma X SLD	25.9	0	0	0	9.4E1	1.551	30818	12333	Sisma Y SLD	0	25.9	0	0	9.4E1	1.551
30819	12334	Sisma X SLV	52	0	0	0	8.4E1	1.551	30820	12334	Sisma Y SLV	0	52	0	0	8.4E1	1.551
30821	12334	Sisma X SLO	27.7	0	0	0	8.4E1	1.551	30822	12334	Sisma Y SLO	0	27.7	0	0	8.4E1	1.551
30823	12334	Sisma X SLD	23	0	0	0	8.4E1	1.551	30824	12334	Sisma Y SLD	0	23	0	0	8.4E1	1.551
30825	12335	Sisma X SLV	56.5	0	0	0	9.1E1	1.551	30826	12335	Sisma Y SLV	0	56.5	0	0	9.1E1	1.551
30827	12335	Sisma X SLO	30.1	0	0	0	9.1E1	1.551	30828	12335	Sisma Y SLO	0	30.1	0	0	9.1E1	1.551
30829	12335	Sisma X SLD	25	0	0	0	9.1E1	1.551	30830	12335	Sisma Y SLD	0	25	0	0	9.1E1	1.551
30831	12336	Sisma X SLV	62.7	0	0	0	1.0E2	1.551	30832	12336	Sisma Y SLV	0	62.7	0	0	1.0E2	1.551
30833	12336	Sisma X SLO	33.4	0	0	0	1.0E2	1.551	30834	12336	Sisma Y SLO	0	33.4	0	0	1.0E2	1.551
30835	12336	Sisma X SLD	27.7	0	0	0	1.0E2	1.551	30836	12336	Sisma Y SLD	0	27.7	0	0	1.0E2	1.551
30837	12337	Sisma X SLV	59.6	0	0	0	9.6E1	1.551	30838	12337	Sisma Y SLV	0	59.6	0	0	9.6E1	1.551
30839	12337	Sisma X SLO	31.8	0	0	0	9.6E1	1.551	30840	12337	Sisma Y SLO	0	31.8	0	0	9.6E1	1.551
30841	12337	Sisma X SLD	26.4	0	0	0	9.6E1	1.551	30842	12337	Sisma Y SLD	0	26.4	0	0	9.6E1	1.551
30843	12338	Sisma X SLV	61.5	0	0	0	9.9E1	1.551	30844	12338	Sisma Y SLV	0	61.5	0	0	9.9E1	1.551
30845	12338	Sisma X SLO	32.8	0	0	0	9.9E1	1.551	30846	12338	Sisma Y SLO	0	32.8	0	0	9.9E1	1.551
30847	12338	Sisma X SLD	27.2	0	0	0	9.9E1	1.551	30848	12338	Sisma Y SLD	0	27.2	0	0	9.9E1	1.551
30849	12339	Sisma X SLV	53.4	0	0	0	8.6E1	1.551	30850	12339	Sisma Y SLV	0	53.4	0	0	8.6E1	1.551
30851	12339	Sisma X SLO	28.5	0	0	0	8.6E1	1.551	30852	12339	Sisma Y SLO	0	28.5	0	0	8.6E1	1.551
30853	12339	Sisma X SLD	23.6	0	0	0	8.6E1	1.551	30854	12339	Sisma Y SLD	0	23.6	0	0	8.6E1	1.551
30855	12340	Sisma X SLV	60.7	0	0	0	9.8E1	1.551	30856	12340	Sisma Y SLV	0	60.7	0	0	9.8E1	1.551
30857	12340	Sisma X SLO	32.4	0	0	0	9.8E1	1.551	30858	12340	Sisma Y SLO	0	32.4	0	0	9.8E1	1.551
30859	12340	Sisma X SLD	26.9	0	0	0	9.8E1	1.551	30860	12340	Sisma Y SLD	0	26.9	0	0	9.8E1	1.551
30861	12341	Sisma X SLV	59.8	0	0	0	9.6E1	1.551	30862	12341	Sisma Y SLV	0	59.8	0	0	9.6E1	1.551
30863	12341	Sisma X SLO	31.9	0	0	0	9.6E1	1.551	30864	12341	Sisma Y SLO	0	31.9	0	0	9.6E1	1.551
30865	12341	Sisma X SLD	26.5	0	0	0	9.6E1	1.551	30866	12341	Sisma Y SLD	0	26.5	0	0	9.6E1	1.551
30867	12342	Sisma X SLV	57.4	0	0	0	9.3E1	1.551	30868	12342	Sisma Y SLV	0	57.4	0	0	9.3E1	1.551
30869	12342	Sisma X SLO	30.6	0	0	0	9.3E1	1.551	30870	12342	Sisma Y SLO	0	30.6	0	0	9.3E1	1.551
30871	12342	Sisma X SLD	25.4	0	0	0	9.3E1	1.551	30872	12342	Sisma Y SLD	0	25.4	0	0	9.3E1	1.551
30873	12343	Sisma X SLV	62.2	0	0	0	1.0E2	1.551	30874	12343	Sisma Y SLV	0	62.2	0	0	1.0E2	1.551
30875	12343	Sisma X SLO	33.1	0	0	0	1.0E2	1.551	30876	12343	Sisma Y SLO	0	33.1	0	0	1.0E2	1.551
30877	12343	Sisma X SLD	27.5	0	0	0	1.0E2	1.551	30878	12343	Sisma Y SLD	0	27.5	0	0	1.0E2	1.551
30879	12344	Sisma X SLV	55	0	0	0	88.79	1.551	30880	12344	Sisma Y SLV	0	55	0	0	88.79	1.551
30881	12344	Sisma X SLO	29.3	0	0	0	88.79	1.551	30882	12344	Sisma Y SLO	0	29.3	0	0	88.79	1.551
30883	12344	Sisma X SLD	24.4	0	0	0	88.79	1.551	30884	12344	Sisma Y SLD	0	24.4	0	0	88.79	1.551
30885	12345	Sisma X SLV	63.2	0	0	0	1.0E2	1.551	30886	12345	Sisma Y SLV	0	63.2	0	0	1.0E2	1.551
30887	12345	Sisma X SLO	33.7	0	0	0	1.0E2	1.551	30888	12345	Sisma Y SLO	0	33.7	0	0	1.0E2	1.551
30889	12345	Sisma X SLD	28	0	0	0	1.0E2	1.551	30890	12345	Sisma Y SLD	0	28	0	0	1.0E2	1.551
30891	12346	Sisma X SLV	61.7	0	0	0	1.0E2	1.552	30892	12346	Sisma Y SLV	0	61.7	0	0	1.0E2	1.552
30893	12346	Sisma X SLO	32.9	0	0	0	1.0E2	1.552	30894	12346	Sisma Y SLO	0	32.9	0	0	1.0E2	1.552
30895	12346	Sisma X SLD	27.3	0	0	0	1.0E2	1.552	30896	12346	Sisma Y SLD	0	27.3	0	0	1.0E2	1.552
30897	12347	Sisma X SLV	54.4	0	0	0	8.8E1	1.552	30898	12347	Sisma Y SLV	0	54.4	0	0	8.8E1	1.552
30899	12347	Sisma X SLO	29	0	0	0	8.8E1	1.552	30900	12347	Sisma Y SLO	0	29	0	0	8.8E1	1.552
30901	12347	Sisma X SLD	24.1	0	0	0	8.8E1	1.552	30902	12347	Sisma Y SLD	0	24.1	0	0	8.8E1	1.552
30903	12348	Sisma X SLV	53.5	0	0	0	8.6E1	1.552	30904	12348	Sisma Y SLV	0	53.5	0	0	8.6E1	1.552
30905	12348	Sisma X SLO	28.5	0	0	0	8.6E1	1.552	30906	12348	Sisma Y SLO	0	28.5	0	0	8.6E1	1.552
30907	12348	Sisma X SLD	23.7	0	0	0	8.6E1	1.552	30908	12348	Sisma Y SLD	0	23.7	0	0	8.6E1	1.552
30909	12349	Sisma X SLV	64	0	0	0	1.0E2	1.552	30910	12349	Sisma Y SLV	0	64	0	0	1.0E2	1.552
30911	12349	Sisma X SLO	34.1	0	0	0	1.0E2	1.552	30912	12349	Sisma Y SLO	0	34.1	0	0	1.0E2	1.552

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
30913	12349	Sisma X SLD	28.3	0	0	0	1.0E2	1.552	30914	12349	Sisma Y SLD	0	28.3	0	0	1.0E2	1.552
30915	12350	Sisma X SLV	57	0	0	0	9.2E1	1.552	30916	12350	Sisma Y SLV	0	57	0	0	9.2E1	1.552
30917	12350	Sisma X SLO	30.4	0	0	0	9.2E1	1.552	30918	12350	Sisma Y SLO	0	30.4	0	0	9.2E1	1.552
30919	12350	Sisma X SLD	25.2	0	0	0	9.2E1	1.552	30920	12350	Sisma Y SLD	0	25.2	0	0	9.2E1	1.552
30921	12351	Sisma X SLV	55.5	0	0	0	89.44	1.552	30922	12351	Sisma Y SLV	0	55.5	0	0	89.44	1.552
30923	12351	Sisma X SLO	29.6	0	0	0	89.44	1.552	30924	12351	Sisma Y SLO	0	29.6	0	0	89.44	1.552
30925	12351	Sisma X SLD	24.6	0	0	0	89.44	1.552	30926	12351	Sisma Y SLD	0	24.6	0	0	89.44	1.552
30927	12352	Sisma X SLV	62.1	0	0	0	1.0E2	1.552	30928	12352	Sisma Y SLV	0	62.1	0	0	1.0E2	1.552
30929	12352	Sisma X SLO	33.1	0	0	0	1.0E2	1.552	30930	12352	Sisma Y SLO	0	33.1	0	0	1.0E2	1.552
30931	12352	Sisma X SLD	27.5	0	0	0	1.0E2	1.552	30932	12352	Sisma Y SLD	0	27.5	0	0	1.0E2	1.552
30933	12353	Sisma X SLV	53	0	0	0	8.5E1	1.553	30934	12353	Sisma Y SLV	0	53	0	0	8.5E1	1.553
30935	12353	Sisma X SLO	28.3	0	0	0	8.5E1	1.553	30936	12353	Sisma Y SLO	0	28.3	0	0	8.5E1	1.553
30937	12353	Sisma X SLD	23.5	0	0	0	8.5E1	1.553	30938	12353	Sisma Y SLD	0	23.5	0	0	8.5E1	1.553
30939	12354	Sisma X SLV	53.2	0	0	0	8.6E1	1.554	30940	12354	Sisma Y SLV	0	53.2	0	0	8.6E1	1.554
30941	12354	Sisma X SLO	28.4	0	0	0	8.6E1	1.554	30942	12354	Sisma Y SLO	0	28.4	0	0	8.6E1	1.554
30943	12354	Sisma X SLD	23.6	0	0	0	8.6E1	1.554	30944	12354	Sisma Y SLD	0	23.6	0	0	8.6E1	1.554
30945	12355	Sisma X SLV	49.2	0	0	0	7.9E1	1.554	30946	12355	Sisma Y SLV	0	49.2	0	0	7.9E1	1.554
30947	12355	Sisma X SLO	26.2	0	0	0	7.9E1	1.554	30948	12355	Sisma Y SLO	0	26.2	0	0	7.9E1	1.554
30949	12355	Sisma X SLD	21.8	0	0	0	7.9E1	1.554	30950	12355	Sisma Y SLD	0	21.8	0	0	7.9E1	1.554
30951	12356	Sisma X SLV	52	0	0	0	8.4E1	1.554	30952	12356	Sisma Y SLV	0	52	0	0	8.4E1	1.554
30953	12356	Sisma X SLO	27.7	0	0	0	8.4E1	1.554	30954	12356	Sisma Y SLO	0	27.7	0	0	8.4E1	1.554
30955	12356	Sisma X SLD	23	0	0	0	8.4E1	1.554	30956	12356	Sisma Y SLD	0	23	0	0	8.4E1	1.554
30957	12357	Sisma X SLV	52.2	0	0	0	8.4E1	1.555	30958	12357	Sisma Y SLV	0	52.2	0	0	8.4E1	1.555
30959	12357	Sisma X SLO	27.8	0	0	0	8.4E1	1.555	30960	12357	Sisma Y SLO	0	27.8	0	0	8.4E1	1.555
30961	12357	Sisma X SLD	23.1	0	0	0	8.4E1	1.555	30962	12357	Sisma Y SLD	0	23.1	0	0	8.4E1	1.555
30963	12358	Sisma X SLV	1012	0	0	0	1.6E3	1.594	30964	12358	Sisma Y SLV	0	1012	0	0	1.6E3	1.594
30965	12358	Sisma X SLO	539.5	0	0	0	1.6E3	1.594	30966	12358	Sisma Y SLO	0	539.5	0	0	1.6E3	1.594
30967	12358	Sisma X SLD	447.8	0	0	0	1.6E3	1.594	30968	12358	Sisma Y SLD	0	447.8	0	0	1.6E3	1.594
30969	12359	Sisma X SLV	280.7	0	0	0	4.4E2	1.596	30970	12359	Sisma Y SLV	0	280.7	0	0	4.4E2	1.596
30971	12359	Sisma X SLO	149.6	0	0	0	4.4E2	1.596	30972	12359	Sisma Y SLO	0	149.6	0	0	4.4E2	1.596
30973	12359	Sisma X SLD	124.2	0	0	0	4.4E2	1.596	30974	12359	Sisma Y SLD	0	124.2	0	0	4.4E2	1.596
30975	12360	Sisma X SLV	592.9	0	0	0	9.3E2	1.597	30976	12360	Sisma Y SLV	0	592.9	0	0	9.3E2	1.597
30977	12360	Sisma X SLO	316.1	0	0	0	9.3E2	1.597	30978	12360	Sisma Y SLO	0	316.1	0	0	9.3E2	1.597
30979	12360	Sisma X SLD	262.4	0	0	0	9.3E2	1.597	30980	12360	Sisma Y SLD	0	262.4	0	0	9.3E2	1.597
30981	12361	Sisma X SLV	891.1	0	0	0	1.4E3	1.597	30982	12361	Sisma Y SLV	0	891.1	0	0	1.4E3	1.597
30983	12361	Sisma X SLO	475.1	0	0	0	1.4E3	1.597	30984	12361	Sisma Y SLO	0	475.1	0	0	1.4E3	1.597
30985	12361	Sisma X SLD	394.4	0	0	0	1.4E3	1.597	30986	12361	Sisma Y SLD	0	394.4	0	0	1.4E3	1.597
30987	12362	Sisma X SLV	26.4	0	0	0	4.1E1	1.599	30988	12362	Sisma Y SLV	0	26.4	0	0	4.1E1	1.599
30989	12362	Sisma X SLO	14.1	0	0	0	4.1E1	1.599	30990	12362	Sisma Y SLO	0	14.1	0	0	4.1E1	1.599
30991	12362	Sisma X SLD	11.7	0	0	0	4.1E1	1.599	30992	12362	Sisma Y SLD	0	11.7	0	0	4.1E1	1.599
30993	12363	Sisma X SLV	766	0	0	0	1.2E3	1.599	30994	12363	Sisma Y SLV	0	766	0	0	1.2E3	1.599
30995	12363	Sisma X SLO	408.4	0	0	0	1.2E3	1.599	30996	12363	Sisma Y SLO	0	408.4	0	0	1.2E3	1.599
30997	12363	Sisma X SLD	339	0	0	0	1.2E3	1.599	30998	12363	Sisma Y SLD	0	339	0	0	1.2E3	1.599
30999	12364	Sisma X SLV	382.9	0	0	0	6.0E2	1.599	31000	12364	Sisma Y SLV	0	382.9	0	0	6.0E2	1.599
31001	12364	Sisma X SLO	204.2	0	0	0	6.0E2	1.599	31002	12364	Sisma Y SLO	0	204.2	0	0	6.0E2	1.599
31003	12364	Sisma X SLD	169.5	0	0	0	6.0E2	1.599	31004	12364	Sisma Y SLD	0	169.5	0	0	6.0E2	1.599
31005	12366	Sisma X SLV	382.9	0	0	0	6.0E2	1.599	31006	12366	Sisma Y SLV	0	382.9	0	0	6.0E2	1.599
31007	12366	Sisma X SLO	204.1	0	0	0	6.0E2	1.599	31008	12366	Sisma Y SLO	0	204.1	0	0	6.0E2	1.599
31009	12366	Sisma X SLD	169.4	0	0	0	6.0E2	1.599	31010	12366	Sisma Y SLD	0	169.4	0	0	6.0E2	1.599
31011	12368	Sisma X SLV	383	0	0	0	6.0E2	1.599	31012	12368	Sisma Y SLV	0	383	0	0	6.0E2	1.599
31013	12368	Sisma X SLO	204.2	0	0	0	6.0E2	1.599	31014	12368	Sisma Y SLO	0	204.2	0	0	6.0E2	1.599
31015	12368	Sisma X SLD	169.5	0	0	0	6.0E2	1.599	31016	12368	Sisma Y SLD	0	169.5	0	0	6.0E2	1.599
31017	12370	Sisma X SLV	383.2	0	0	0	6.0E2	1.599	31018	12370	Sisma Y SLV	0	383.2	0	0	6.0E2	1.599
31019	12370	Sisma X SLO	204.3	0	0	0	6.0E2	1.599	31020	12370	Sisma Y SLO	0	204.3	0	0	6.0E2	1.599
31021	12370	Sisma X SLD	169.6	0	0	0	6.0E2	1.599	31022	12370	Sisma Y SLD	0	169.6	0	0	6.0E2	1.599
31023	12372	Sisma X SLV	383.5	0	0	0	6.0E2	1.599	31024	12372	Sisma Y SLV	0	383.5	0	0	6.0E2	1.599
31025	12372	Sisma X SLO	204.4	0	0	0	6.0E2	1.599	31026	12372	Sisma Y SLO	0	204.4	0	0	6.0E2	1.599
31027	12372	Sisma X SLD	169.7	0	0	0	6.0E2	1.599	31028	12372	Sisma Y SLD	0	169.7	0	0	6.0E2	1.599
31029	12374	Sisma X SLV	383.7	0	0	0	6.0E2	1.599	31030	12374	Sisma Y SLV	0	383.7	0	0	6.0E2	1.599
31031	12374	Sisma X SLO	204.6	0	0	0	6.0E2	1.599	31032	12374	Sisma Y SLO	0	204.6	0	0	6.0E2	1.599
31033	12374	Sisma X SLD	169.8	0	0	0	6.0E2	1.599	31034	12374	Sisma Y SLD	0	169.8	0	0	6.0E2	1.599
31035	12375	Sisma X SLV	391.5	0	0	0	6.1E2	1.599	31036	12375	Sisma Y SLV	0	391.5	0	0	6.1E2	1.599
31037	12375	Sisma X SLO	208.7	0	0	0	6.1E2	1.599	31038	12375	Sisma Y SLO	0	208.7	0	0	6.1E2	1.599
31039	12375	Sisma X SLD	173.3	0	0	0	6.1E2	1.599	31040	12375	Sisma Y SLD	0	173.3	0	0	6.1E2	1.599
31041	12376	Sisma X SLV	399.2	0	0	0	6.2E2	1.599	31042	12376	Sisma Y SLV	0	399.2	0	0	6.2E2	1.599
31043	12376	Sisma X SLO	212.9	0	0	0	6.2E2	1.599	31044	12376	Sisma Y SLO	0	212.9	0	0	6.2E2	1.599
31045	12376	Sisma X SLD	176.7	0	0	0	6.2E2	1.599	31046	12376	Sisma Y SLD	0	176.7	0	0	6.2E2	1.599
31047	12377	Sisma X SLV	399.2	0	0	0	6.2E2	1.599	31048	12377	Sisma Y SLV	0	399.2	0	0	6.2E2	1.599
31049	12377	Sisma X SLO	212.9	0	0	0	6.2E2	1.599	31050	12377	Sisma Y SLO	0	212.9	0	0	6.2E2	1.599
31051	12377	Sisma X SLD	176.7	0	0	0	6.2E2	1.599	31052	12377	Sisma Y SLD	0	176.7	0	0	6.2E2	1.599
31053	12378	Sisma X SLV	399.1	0	0	0	6.2E2	1.599	31054	12378	Sisma Y SLV	0	399.1	0	0	6.2E2	1.599
31055	12378	Sisma X SLO	212.8	0	0	0	6.2E2	1.599	31056	12378	Sisma Y SLO	0	212.8	0	0	6.2E2	1.599
31057	12378	Sisma X SLD	176.6	0	0	0	6.2E2	1.599	31058	12378	Sisma Y SLD	0	176.6	0	0	6.2E2	1.599
31059	12379	Sisma X SLV	398.8	0	0	0	6.2E2	1.599	31060	12379	Sisma Y SLV	0	398.8	0	0	6.2E2	1.599
31061	12379	Sisma X SLO	212.6	0	0	0	6.2E2	1.599	31062	12379	Sisma Y SLO	0	212.6	0	0	6.2E2	1.599
31063	12379	Sisma X SLD	176.5	0	0	0	6.2E2	1.599	31064	12379	Sisma Y SLD	0	176.5	0	0	6.2E2	1.599
31065	12380	Sisma X SLV	373.7	0	0	0	5.8E2	1.599	31066	12380	Sisma Y SLV	0	373.7	0	0	5.8E2	1.599
31067	12380	Sisma X SLO	199.2	0	0	0	5.8E2	1.599	31068	12380	Sisma Y SLO	0	199.2	0	0	5.8E2	1.599
31069	12380	Sisma X SLD	165.4	0	0	0	5.8E2	1.599	31070	12380	Sisma Y SLD	0	165.4	0	0	5.8E2	1.599
31071	12381	Sisma X SLV	348.4	0	0	0	5.5E2	1.599	31072	12381	Sisma Y SLV	0	348.4	0	0	5.5E2	1.599
31073	12381	Sisma X SLO	185.8	0	0	0	5.5E2	1.599	31074	12381	Sisma Y SLO	0	185.8	0	0	5.5E2	1.599
31075	12381	Sisma X SLD	154.2	0	0	0	5.5E2	1.599	31076	12381	Sisma Y SLD	0	154.2	0	0	5.5E2	1.599
31077	12382	Sisma X SLV	347.7	0	0	0	5.4E2	1.599	31078	12382	Sisma Y SLV	0	347.7	0	0	5.4E2	1.599
31079	12382	Sisma X SLO	185.4	0	0	0	5.4E2	1.599	31080	12382	Sisma Y SLO	0	185.4	0	0	5.4E2	1.599
31081	12382	Sisma X SLD	153.9	0	0	0	5.4E2	1.599	31082	12382	Sisma Y SLD	0	153.9	0	0	5.4E2	1.599
31083	12383	Sisma X SLV	160	0	0	0	2.5E2	1.599	31084	12383	Sisma Y SLV	0	160	0	0	2.5E2	1.599
31085	12383	Sisma X SLO	85.3	0	0	0	2.5E2	1.599	31086	12383	Sisma Y SLO	0	85.3	0	0	2.5E2	1.599
31087	12383	Sisma X SLD	70.8	0	0	0	2.5E2	1.599	31088	12383	Sisma Y SLD	0	70.8	0	0	2.5E2	1.599
31089	12384	Sisma X SLV	536.8	0	0	0	840	1.599	31090	12384	Sisma Y SLV	0	536.8	0	0	840	1.599
31091	12384	Sisma X SLO	286.2	0	0	0	840	1.599	31092	12384	Sisma Y SLO	0	286.2	0	0	840	1.599
31093	12384	Sisma X SLD	237.5	0	0	0	840	1.599	31094	12384	Sisma Y SLD	0	237.5	0	0	840	1.599
31095	12385	Sisma X SLV	536.8	0	0	0	840	1.599	31096	12385	Sisma Y SLV	0	536.8	0	0	840	1.599
31097	12385	Sisma X SLO	286.2	0	0	0	840	1.599	31098	12385	Sisma Y SLO	0	286.2	0	0	840	1.599
31099	12385	Sisma X SLD	237.5	0	0	0	840	1.599	31100	12385	Sisma Y SLD	0	237.5	0	0	840	1.599
31101	12386	Sisma X SLV	536.8	0	0	0	840	1.599	31102	12386	Sisma Y SLV	0	536.8	0	0	840	1.599
31103	12386	Sisma X SLO	286.2	0	0	0	840	1.599	31104	12386	Sisma Y SLO	0	286.2	0	0	840	1.599
31105	12386	Sisma X SLD	237.5	0	0	0	840	1.599	31106	12386	Sisma Y SLD	0	237.5	0	0	840	1.599
31107	12387	Sisma X SLV	536.8	0	0	0	840	1.599	31108	12387	Sisma Y SLV	0	536.8	0	0	840	1.599
31109	12387	Sisma X SLO	286.2	0	0	0	840	1.599	31110	12387	Sisma Y SLO	0	286.2	0	0	840	1.599
31111	12387	Sisma X SLD	237.5	0	0	0	840	1.599	31112	12387	Sisma Y SLD	0	237.5	0	0	840	1.599

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
31113	12389	Sisma X SLV	47.5	0	0	0	74.35	1.599	31114	12389	Sisma Y SLV	0	47.5	0	0	74.35	1.599
31115	12389	Sisma X SLO	25.3	0	0	0	74.35	1.599	31116	12389	Sisma Y SLO	0	25.3	0	0	74.35	1.599
31117	12389	Sisma X SLD	21	0	0	0	74.35	1.599	31118	12389	Sisma Y SLD	0	21	0	0	74.35	1.599
31119	12391	Sisma X SLV	47.1	0	0	0	7.4E1	1.599	31120	12391	Sisma Y SLV	0	47.1	0	0	7.4E1	1.599
31121	12391	Sisma X SLO	25.1	0	0	0	7.4E1	1.599	31122	12391	Sisma Y SLO	0	25.1	0	0	7.4E1	1.599
31123	12391	Sisma X SLD	20.9	0	0	0	7.4E1	1.599	31124	12391	Sisma Y SLD	0	20.9	0	0	7.4E1	1.599
31125	12393	Sisma X SLV	47.1	0	0	0	7.4E1	1.599	31126	12393	Sisma Y SLV	0	47.1	0	0	7.4E1	1.599
31127	12393	Sisma X SLO	25.1	0	0	0	7.4E1	1.599	31128	12393	Sisma Y SLO	0	25.1	0	0	7.4E1	1.599
31129	12393	Sisma X SLD	20.8	0	0	0	7.4E1	1.599	31130	12393	Sisma Y SLD	0	20.8	0	0	7.4E1	1.599
31131	12395	Sisma X SLV	47.4	0	0	0	7.4E1	1.599	31132	12395	Sisma Y SLV	0	47.4	0	0	7.4E1	1.599
31133	12395	Sisma X SLO	25.3	0	0	0	7.4E1	1.599	31134	12395	Sisma Y SLO	0	25.3	0	0	7.4E1	1.599
31135	12395	Sisma X SLD	21	0	0	0	7.4E1	1.599	31136	12395	Sisma Y SLD	0	21	0	0	7.4E1	1.599
31137	12398	Sisma X SLV	47.8	0	0	0	7.5E1	1.599	31138	12398	Sisma Y SLV	0	47.8	0	0	7.5E1	1.599
31139	12398	Sisma X SLO	25.5	0	0	0	7.5E1	1.599	31140	12398	Sisma Y SLO	0	25.5	0	0	7.5E1	1.599
31141	12398	Sisma X SLD	21.2	0	0	0	7.5E1	1.599	31142	12398	Sisma Y SLD	0	21.2	0	0	7.5E1	1.599
31143	12400	Sisma X SLV	48.4	0	0	0	7.6E1	1.599	31144	12400	Sisma Y SLV	0	48.4	0	0	7.6E1	1.599
31145	12400	Sisma X SLO	25.8	0	0	0	7.6E1	1.599	31146	12400	Sisma Y SLO	0	25.8	0	0	7.6E1	1.599
31147	12400	Sisma X SLD	21.4	0	0	0	7.6E1	1.599	31148	12400	Sisma Y SLD	0	21.4	0	0	7.6E1	1.599
31149	12402	Sisma X SLV	48.9	0	0	0	7.7E1	1.599	31150	12402	Sisma Y SLV	0	48.9	0	0	7.7E1	1.599
31151	12402	Sisma X SLO	26.1	0	0	0	7.7E1	1.599	31152	12402	Sisma Y SLO	0	26.1	0	0	7.7E1	1.599
31153	12402	Sisma X SLD	21.6	0	0	0	7.7E1	1.599	31154	12402	Sisma Y SLD	0	21.6	0	0	7.7E1	1.599
31155	12404	Sisma X SLV	69.6	0	0	0	1.1E2	1.599	31156	12404	Sisma Y SLV	0	69.6	0	0	1.1E2	1.599
31157	12404	Sisma X SLO	37.1	0	0	0	1.1E2	1.599	31158	12404	Sisma Y SLO	0	37.1	0	0	1.1E2	1.599
31159	12404	Sisma X SLD	30.8	0	0	0	1.1E2	1.599	31160	12404	Sisma Y SLD	0	30.8	0	0	1.1E2	1.599
31161	12405	Sisma X SLV	1.2E3	0	0	0	1.9E3	1.599	31162	12405	Sisma Y SLV	0	1.2E3	0	0	1.9E3	1.599
31163	12405	Sisma X SLO	641.7	0	0	0	1.9E3	1.599	31164	12405	Sisma Y SLO	0	641.7	0	0	1.9E3	1.599
31165	12405	Sisma X SLD	532.6	0	0	0	1.9E3	1.599	31166	12405	Sisma Y SLD	0	532.6	0	0	1.9E3	1.599
31167	12406	Sisma X SLV	1.4E3	0	0	0	2.2E3	1.599	31168	12406	Sisma Y SLV	0	1.4E3	0	0	2.2E3	1.599
31169	12406	Sisma X SLO	748.2	0	0	0	2.2E3	1.599	31170	12406	Sisma Y SLO	0	748.2	0	0	2.2E3	1.599
31171	12406	Sisma X SLD	621.1	0	0	0	2.2E3	1.599	31172	12406	Sisma Y SLD	0	621.1	0	0	2.2E3	1.599
31173	12407	Sisma X SLV	536.8	0	0	0	840	1.599	31174	12407	Sisma Y SLV	0	536.8	0	0	840	1.599
31175	12407	Sisma X SLO	286.2	0	0	0	840	1.599	31176	12407	Sisma Y SLO	0	286.2	0	0	840	1.599
31177	12407	Sisma X SLD	237.5	0	0	0	840	1.599	31178	12407	Sisma Y SLD	0	237.5	0	0	840	1.599
31179	12408	Sisma X SLV	536.8	0	0	0	840	1.599	31180	12408	Sisma Y SLV	0	536.8	0	0	840	1.599
31181	12408	Sisma X SLO	286.2	0	0	0	840	1.599	31182	12408	Sisma Y SLO	0	286.2	0	0	840	1.599
31183	12408	Sisma X SLD	237.5	0	0	0	840	1.599	31184	12408	Sisma Y SLD	0	237.5	0	0	840	1.599
31185	12409	Sisma X SLV	536.8	0	0	0	840	1.599	31186	12409	Sisma Y SLV	0	536.8	0	0	840	1.599
31187	12409	Sisma X SLO	286.2	0	0	0	840	1.599	31188	12409	Sisma Y SLO	0	286.2	0	0	840	1.599
31189	12409	Sisma X SLD	237.5	0	0	0	840	1.599	31190	12409	Sisma Y SLD	0	237.5	0	0	840	1.599
31191	12410	Sisma X SLV	536.8	0	0	0	840	1.599	31192	12410	Sisma Y SLV	0	536.8	0	0	840	1.599
31193	12410	Sisma X SLO	286.2	0	0	0	840	1.599	31194	12410	Sisma Y SLO	0	286.2	0	0	840	1.599
31195	12410	Sisma X SLD	237.5	0	0	0	840	1.599	31196	12410	Sisma Y SLD	0	237.5	0	0	840	1.599
31197	12411	Sisma X SLV	536.8	0	0	0	840	1.599	31198	12411	Sisma Y SLV	0	536.8	0	0	840	1.599
31199	12411	Sisma X SLO	286.2	0	0	0	840	1.599	31200	12411	Sisma Y SLO	0	286.2	0	0	840	1.599
31201	12411	Sisma X SLD	237.5	0	0	0	840	1.599	31202	12411	Sisma Y SLD	0	237.5	0	0	840	1.599
31203	12412	Sisma X SLV	1.8E3	0	0	0	2.8E3	1.599	31204	12412	Sisma Y SLV	0	1.8E3	0	0	2.8E3	1.599
31205	12412	Sisma X SLO	966.1	0	0	0	2.8E3	1.599	31206	12412	Sisma Y SLO	0	966.1	0	0	2.8E3	1.599
31207	12412	Sisma X SLD	801.9	0	0	0	2.8E3	1.599	31208	12412	Sisma Y SLD	0	801.9	0	0	2.8E3	1.599
31209	12413	Sisma X SLV	3.3E3	0	0	0	5.1E3	1.599	31210	12413	Sisma Y SLV	0	3.3E3	0	0	5.1E3	1.599
31211	12413	Sisma X SLO	1.7E3	0	0	0	5.1E3	1.599	31212	12413	Sisma Y SLO	0	1.7E3	0	0	5.1E3	1.599
31213	12413	Sisma X SLD	1.4E3	0	0	0	5.1E3	1.599	31214	12413	Sisma Y SLD	0	1.4E3	0	0	5.1E3	1.599
31215	12414	Sisma X SLV	2.2E3	0	0	0	3.4E3	1.599	31216	12414	Sisma Y SLV	0	2.2E3	0	0	3.4E3	1.599
31217	12414	Sisma X SLO	1.2E3	0	0	0	3.4E3	1.599	31218	12414	Sisma Y SLO	0	1.2E3	0	0	3.4E3	1.599
31219	12414	Sisma X SLD	969.8	0	0	0	3.4E3	1.599	31220	12414	Sisma Y SLD	0	969.8	0	0	3.4E3	1.599
31221	12415	Sisma X SLV	750.1	0	0	0	1.2E3	1.599	31222	12415	Sisma Y SLV	0	750.1	0	0	1.2E3	1.599
31223	12415	Sisma X SLO	399.9	0	0	0	1.2E3	1.599	31224	12415	Sisma Y SLO	0	399.9	0	0	1.2E3	1.599
31225	12415	Sisma X SLD	331.9	0	0	0	1.2E3	1.599	31226	12415	Sisma Y SLD	0	331.9	0	0	1.2E3	1.599
31227	12416	Sisma X SLV	76.2	0	0	0	1.2E2	1.599	31228	12416	Sisma Y SLV	0	76.2	0	0	1.2E2	1.599
31229	12416	Sisma X SLO	40.7	0	0	0	1.2E2	1.599	31230	12416	Sisma Y SLO	0	40.7	0	0	1.2E2	1.599
31231	12416	Sisma X SLD	33.7	0	0	0	1.2E2	1.599	31232	12416	Sisma Y SLD	0	33.7	0	0	1.2E2	1.599
31233	12417	Sisma X SLV	102.9	0	0	0	1.6E2	1.599	31234	12417	Sisma Y SLV	0	102.9	0	0	1.6E2	1.599
31235	12417	Sisma X SLO	54.8	0	0	0	1.6E2	1.599	31236	12417	Sisma Y SLO	0	54.8	0	0	1.6E2	1.599
31237	12417	Sisma X SLD	45.5	0	0	0	1.6E2	1.599	31238	12417	Sisma Y SLD	0	45.5	0	0	1.6E2	1.599
31239	12418	Sisma X SLV	102.5	0	0	0	1.6E2	1.599	31240	12418	Sisma Y SLV	0	102.5	0	0	1.6E2	1.599
31241	12418	Sisma X SLO	54.6	0	0	0	1.6E2	1.599	31242	12418	Sisma Y SLO	0	54.6	0	0	1.6E2	1.599
31243	12418	Sisma X SLD	45.4	0	0	0	1.6E2	1.599	31244	12418	Sisma Y SLD	0	45.4	0	0	1.6E2	1.599
31245	12419	Sisma X SLV	102.1	0	0	0	1.6E2	1.599	31246	12419	Sisma Y SLV	0	102.1	0	0	1.6E2	1.599
31247	12419	Sisma X SLO	54.4	0	0	0	1.6E2	1.599	31248	12419	Sisma Y SLO	0	54.4	0	0	1.6E2	1.599
31249	12419	Sisma X SLD	45.2	0	0	0	1.6E2	1.599	31250	12419	Sisma Y SLD	0	45.2	0	0	1.6E2	1.599
31251	12420	Sisma X SLV	101.7	0	0	0	1.6E2	1.599	31252	12420	Sisma Y SLV	0	101.7	0	0	1.6E2	1.599
31253	12420	Sisma X SLO	54.2	0	0	0	1.6E2	1.599	31254	12420	Sisma Y SLO	0	54.2	0	0	1.6E2	1.599
31255	12420	Sisma X SLD	45	0	0	0	1.6E2	1.599	31256	12420	Sisma Y SLD	0	45	0	0	1.6E2	1.599
31257	12421	Sisma X SLV	157.2	0	0	0	2.5E2	1.599	31258	12421	Sisma Y SLV	0	157.2	0	0	2.5E2	1.599
31259	12421	Sisma X SLO	83.8	0	0	0	2.5E2	1.599	31260	12421	Sisma Y SLO	0	83.8	0	0	2.5E2	1.599
31261	12421	Sisma X SLD	69.6	0	0	0	2.5E2	1.599	31262	12421	Sisma Y SLD	0	69.6	0	0	2.5E2	1.599
31263	12422	Sisma X SLV	275	0	0	0	4.3E2	1.599	31264	12422	Sisma Y SLV	0	275	0	0	4.3E2	1.599
31265	12422	Sisma X SLO	146.6	0	0	0	4.3E2	1.599	31266	12422	Sisma Y SLO	0	146.6	0	0	4.3E2	1.599
31267	12422	Sisma X SLD	121.7	0	0	0	4.3E2	1.599	31268	12422	Sisma Y SLD	0	121.7	0	0	4.3E2	1.599
31269	12423	Sisma X SLV	245.6	0	0	0	3.8E2	1.599	31270	12423	Sisma Y SLV	0	245.6	0	0	3.8E2	1.599
31271	12423	Sisma X SLO	131	0	0	0	3.8E2	1.599	31272	12423	Sisma Y SLO	0	131	0	0	3.8E2	1.599
31273	12423	Sisma X SLD	108.7	0	0	0	3.8E2	1.599	31274	12423	Sisma Y SLD	0	108.7	0	0	3.8E2	1.599
31275	12424	Sisma X SLV	227.3	0	0	0	3.6E2	1.599	31276	12424	Sisma Y SLV	0	227.3	0	0	3.6E2	1.599
31277	12424	Sisma X SLO	121.2	0	0	0	3.6E2	1.599	31278	12424	Sisma Y SLO	0	121.2	0	0	3.6E2	1.599
31279	12424	Sisma X SLD	100.6	0	0	0	3.6E2	1.599	31280	12424	Sisma Y SLD	0	100.6	0	0	3.6E2	1.599
31281	12425	Sisma X SLV	213.4	0	0	0	3.3E2	1.599	31282	12425	Sisma Y SLV	0	213.4	0	0	3.3E2	1.599
31283	12425	Sisma X SLO	113.8	0	0	0	3.3E2	1.599	31284	12425	Sisma Y SLO	0	113.8	0	0	3.3E2	1.599
31285	12425	Sisma X SLD	94.4	0	0	0	3.3E2	1.599	31286	12425	Sisma Y SLD	0	94.4	0	0	3.3E2	1.599
31287	12426	Sisma X SLV	201.1	0	0	0	3.1E2	1.599	31288	12426	Sisma Y SLV	0	201.1	0	0	3.1E2	1.599
31289	12426	Sisma X SLO	107.2	0	0	0	3.1E2	1.599	31290	12426	Sisma Y SLO	0	107.2	0	0	3.1E2	1.599
31291	12426	Sisma X SLD	89	0	0	0	3.1E2	1.599	31292	12426	Sisma Y SLD	0	89	0	0	3.1E2	1.599
31293	12427	Sisma X SLV	189.2	0	0	0	3.0E2	1.599	31294	12427	Sisma Y SLV	0	189.2	0	0	3.0E2	1.599
31295	12427	Sisma X SLO	100.9	0	0	0	3.0E2	1.599	31296	12427	Sisma Y SLO	0	100.9	0	0	3.0E2	1.599
31297	12427	Sisma X SLD	83.7	0	0	0	3.0E2	1.599	31298	12427	Sisma Y SLD	0	83.7	0	0	3.0E2	1.599
31299	12428	Sisma X SLV	177.2	0	0	0	2.8E2	1.599	31300	12428	Sisma Y SLV	0	177.2	0	0	2.8E2	1.599
31301	12428	Sisma X SLO	94.5	0	0	0	2.8E2	1.599	31302	12428	Sisma Y SLO	0	94.5	0	0	2.8E2	1.599
31303	12428	Sisma X SLD	78.4	0	0	0	2.8E2	1.599	31304	12428	Sisma Y SLD	0	78.4	0	0	2.8E2	1.599
31305	12429	Sisma X SLV	1.2E3	0	0	0	1.9E3	1.599	31306	12429	Sisma Y SLV	0	1.2E3	0	0	1.9E3	1.599
31307	12429	Sisma X SLO	644.1	0	0	0	1.9E3	1.599	31308	12429	Sisma Y SLO	0	644.1	0	0	1.9E3	1.599
31309	12429	Sisma X SLD	534.6	0	0	0	1.9E3	1.599	31310	12429	Sisma Y SLD	0	534.6	0	0	1.9E3	1.599
31311	12430	Sisma X SLV	708	0	0	0	1.1E3	1.599	31312	12430	Sisma Y SLV	0	708	0	0	1.1E3	1.599

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
31313	12430	Sisma X SLO	377.5	0	0	0	1.1E3	1.599	31314	12430	Sisma Y SLO	0	377.5	0	0	1.1E3	1.599
31315	12430	Sisma X SLD	313.3	0	0	0	1.1E3	1.599	31316	12430	Sisma Y SLD	0	313.3	0	0	1.1E3	1.599
31317	12431	Sisma X SLV	1.3E3	0	0	0	2.1E3	1.599	31318	12431	Sisma Y SLV	0	1.3E3	0	0	2.1E3	1.599
31319	12431	Sisma X SLO	706.5	0	0	0	2.1E3	1.599	31320	12431	Sisma Y SLO	0	706.5	0	0	2.1E3	1.599
31321	12431	Sisma X SLD	586.4	0	0	0	2.1E3	1.599	31322	12431	Sisma Y SLD	0	586.4	0	0	2.1E3	1.599
31323	12432	Sisma X SLV	536.8	0	0	0	840	1.599	31324	12432	Sisma Y SLV	0	536.8	0	0	840	1.599
31325	12432	Sisma X SLO	286.2	0	0	0	840	1.599	31326	12432	Sisma Y SLO	0	286.2	0	0	840	1.599
31327	12432	Sisma X SLD	237.5	0	0	0	840	1.599	31328	12432	Sisma Y SLD	0	237.5	0	0	840	1.599
31329	12433	Sisma X SLV	536.8	0	0	0	840	1.599	31330	12433	Sisma Y SLV	0	536.8	0	0	840	1.599
31331	12433	Sisma X SLO	286.2	0	0	0	840	1.599	31332	12433	Sisma Y SLO	0	286.2	0	0	840	1.599
31333	12433	Sisma X SLD	237.5	0	0	0	840	1.599	31334	12433	Sisma Y SLD	0	237.5	0	0	840	1.599
31335	12434	Sisma X SLV	173.2	0	0	0	2.7E2	1.599	31336	12434	Sisma Y SLV	0	173.2	0	0	2.7E2	1.599
31337	12434	Sisma X SLO	92.3	0	0	0	2.7E2	1.599	31338	12434	Sisma Y SLO	0	92.3	0	0	2.7E2	1.599
31339	12434	Sisma X SLD	76.6	0	0	0	2.7E2	1.599	31340	12434	Sisma Y SLD	0	76.6	0	0	2.7E2	1.599
31341	12435	Sisma X SLV	679.3	0	0	0	1.1E3	1.599	31342	12435	Sisma Y SLV	0	679.3	0	0	1.1E3	1.599
31343	12435	Sisma X SLO	362.2	0	0	0	1.1E3	1.599	31344	12435	Sisma Y SLO	0	362.2	0	0	1.1E3	1.599
31345	12435	Sisma X SLD	300.6	0	0	0	1.1E3	1.599	31346	12435	Sisma Y SLD	0	300.6	0	0	1.1E3	1.599
31347	12436	Sisma X SLV	679.3	0	0	0	1.1E3	1.599	31348	12436	Sisma Y SLV	0	679.3	0	0	1.1E3	1.599
31349	12436	Sisma X SLO	362.2	0	0	0	1.1E3	1.599	31350	12436	Sisma Y SLO	0	362.2	0	0	1.1E3	1.599
31351	12436	Sisma X SLD	300.6	0	0	0	1.1E3	1.599	31352	12436	Sisma Y SLD	0	300.6	0	0	1.1E3	1.599
31353	12437	Sisma X SLV	1.5E3	0	0	0	2.4E3	1.599	31354	12437	Sisma Y SLV	0	1.5E3	0	0	2.4E3	1.599
31355	12437	Sisma X SLO	804.6	0	0	0	2.4E3	1.599	31356	12437	Sisma Y SLO	0	804.6	0	0	2.4E3	1.599
31357	12437	Sisma X SLD	667.9	0	0	0	2.4E3	1.599	31358	12437	Sisma Y SLD	0	667.9	0	0	2.4E3	1.599
31359	12438	Sisma X SLV	1.8E3	0	0	0	2.8E3	1.599	31360	12438	Sisma Y SLV	0	1.8E3	0	0	2.8E3	1.599
31361	12438	Sisma X SLO	970.8	0	0	0	2.8E3	1.599	31362	12438	Sisma Y SLO	0	970.8	0	0	2.8E3	1.599
31363	12438	Sisma X SLD	805.8	0	0	0	2.8E3	1.599	31364	12438	Sisma Y SLD	0	805.8	0	0	2.8E3	1.599
31365	12439	Sisma X SLV	1.4E3	0	0	0	2.2E3	1.599	31366	12439	Sisma Y SLV	0	1.4E3	0	0	2.2E3	1.599
31367	12439	Sisma X SLO	766.4	0	0	0	2.2E3	1.599	31368	12439	Sisma Y SLO	0	766.4	0	0	2.2E3	1.599
31369	12439	Sisma X SLD	636.1	0	0	0	2.2E3	1.599	31370	12439	Sisma Y SLD	0	636.1	0	0	2.2E3	1.599
31371	12440	Sisma X SLV	1.6E3	0	0	0	2.5E3	1.599	31372	12440	Sisma Y SLV	0	1.6E3	0	0	2.5E3	1.599
31373	12440	Sisma X SLO	844.2	0	0	0	2.5E3	1.599	31374	12440	Sisma Y SLO	0	844.2	0	0	2.5E3	1.599
31375	12440	Sisma X SLD	700.7	0	0	0	2.5E3	1.599	31376	12440	Sisma Y SLD	0	700.7	0	0	2.5E3	1.599
31377	12441	Sisma X SLV	932.8	0	0	0	1.5E3	1.599	31378	12441	Sisma Y SLV	0	932.8	0	0	1.5E3	1.599
31379	12441	Sisma X SLO	497.3	0	0	0	1.5E3	1.599	31380	12441	Sisma Y SLO	0	497.3	0	0	1.5E3	1.599
31381	12441	Sisma X SLD	412.8	0	0	0	1.5E3	1.599	31382	12441	Sisma Y SLD	0	412.8	0	0	1.5E3	1.599
31383	12442	Sisma X SLV	166.4	0	0	0	2.6E2	1.599	31384	12442	Sisma Y SLV	0	166.4	0	0	2.6E2	1.599
31385	12442	Sisma X SLO	88.7	0	0	0	2.6E2	1.599	31386	12442	Sisma Y SLO	0	88.7	0	0	2.6E2	1.599
31387	12442	Sisma X SLD	73.7	0	0	0	2.6E2	1.599	31388	12442	Sisma Y SLD	0	73.7	0	0	2.6E2	1.599
31389	12443	Sisma X SLV	149.8	0	0	0	2.3E2	1.599	31390	12443	Sisma Y SLV	0	149.8	0	0	2.3E2	1.599
31391	12443	Sisma X SLO	79.9	0	0	0	2.3E2	1.599	31392	12443	Sisma Y SLO	0	79.9	0	0	2.3E2	1.599
31393	12443	Sisma X SLD	66.3	0	0	0	2.3E2	1.599	31394	12443	Sisma Y SLD	0	66.3	0	0	2.3E2	1.599
31395	12444	Sisma X SLV	133.4	0	0	0	2.1E2	1.599	31396	12444	Sisma Y SLV	0	133.4	0	0	2.1E2	1.599
31397	12444	Sisma X SLO	71.1	0	0	0	2.1E2	1.599	31398	12444	Sisma Y SLO	0	71.1	0	0	2.1E2	1.599
31399	12444	Sisma X SLD	59	0	0	0	2.1E2	1.599	31400	12444	Sisma Y SLD	0	59	0	0	2.1E2	1.599
31401	12445	Sisma X SLV	117.7	0	0	0	1.8E2	1.599	31402	12445	Sisma Y SLV	0	117.7	0	0	1.8E2	1.599
31403	12445	Sisma X SLO	62.8	0	0	0	1.8E2	1.599	31404	12445	Sisma Y SLO	0	62.8	0	0	1.8E2	1.599
31405	12445	Sisma X SLD	52.1	0	0	0	1.8E2	1.599	31406	12445	Sisma Y SLD	0	52.1	0	0	1.8E2	1.599
31407	12446	Sisma X SLV	101.6	0	0	0	1.6E2	1.599	31408	12446	Sisma Y SLV	0	101.6	0	0	1.6E2	1.599
31409	12446	Sisma X SLO	54.2	0	0	0	1.6E2	1.599	31410	12446	Sisma Y SLO	0	54.2	0	0	1.6E2	1.599
31411	12446	Sisma X SLD	45	0	0	0	1.6E2	1.599	31412	12446	Sisma Y SLD	0	45	0	0	1.6E2	1.599
31413	12447	Sisma X SLV	86.5	0	0	0	1.4E2	1.599	31414	12447	Sisma Y SLV	0	86.5	0	0	1.4E2	1.599
31415	12447	Sisma X SLO	46.1	0	0	0	1.4E2	1.599	31416	12447	Sisma Y SLO	0	46.1	0	0	1.4E2	1.599
31417	12447	Sisma X SLD	38.3	0	0	0	1.4E2	1.599	31418	12447	Sisma Y SLD	0	38.3	0	0	1.4E2	1.599
31419	12448	Sisma X SLV	71.7	0	0	0	1.1E2	1.599	31420	12448	Sisma Y SLV	0	71.7	0	0	1.1E2	1.599
31421	12448	Sisma X SLO	38.2	0	0	0	1.1E2	1.599	31422	12448	Sisma Y SLO	0	38.2	0	0	1.1E2	1.599
31423	12448	Sisma X SLD	31.7	0	0	0	1.1E2	1.599	31424	12448	Sisma Y SLD	0	31.7	0	0	1.1E2	1.599
31425	12449	Sisma X SLV	20.4	0	0	0	3.2E1	1.599	31426	12449	Sisma Y SLV	0	20.4	0	0	3.2E1	1.599
31427	12449	Sisma X SLO	10.9	0	0	0	3.2E1	1.599	31428	12449	Sisma Y SLO	0	10.9	0	0	3.2E1	1.599
31429	12449	Sisma X SLD	9	0	0	0	3.2E1	1.599	31430	12449	Sisma Y SLD	0	9	0	0	3.2E1	1.599
31431	12450	Sisma X SLV	1.3E3	0	0	0	2.0E3	1.599	31432	12450	Sisma Y SLV	0	1.3E3	0	0	2.0E3	1.599
31433	12450	Sisma X SLO	688.6	0	0	0	2.0E3	1.599	31434	12450	Sisma Y SLO	0	688.6	0	0	2.0E3	1.599
31435	12450	Sisma X SLD	571.6	0	0	0	2.0E3	1.599	31436	12450	Sisma Y SLD	0	571.6	0	0	2.0E3	1.599
31437	12451	Sisma X SLV	536.8	0	0	0	840	1.599	31438	12451	Sisma Y SLV	0	536.8	0	0	840	1.599
31439	12451	Sisma X SLO	286.2	0	0	0	840	1.599	31440	12451	Sisma Y SLO	0	286.2	0	0	840	1.599
31441	12451	Sisma X SLD	237.5	0	0	0	840	1.599	31442	12451	Sisma Y SLD	0	237.5	0	0	840	1.599
31443	12452	Sisma X SLV	536.8	0	0	0	840	1.599	31444	12452	Sisma Y SLV	0	536.8	0	0	840	1.599
31445	12452	Sisma X SLO	286.2	0	0	0	840	1.599	31446	12452	Sisma Y SLO	0	286.2	0	0	840	1.599
31447	12452	Sisma X SLD	237.5	0	0	0	840	1.599	31448	12452	Sisma Y SLD	0	237.5	0	0	840	1.599
31449	12453	Sisma X SLV	96.5	0	0	0	1.5E2	1.599	31450	12453	Sisma Y SLV	0	96.5	0	0	1.5E2	1.599
31451	12453	Sisma X SLO	51.5	0	0	0	1.5E2	1.599	31452	12453	Sisma Y SLO	0	51.5	0	0	1.5E2	1.599
31453	12453	Sisma X SLD	42.7	0	0	0	1.5E2	1.599	31454	12453	Sisma Y SLD	0	42.7	0	0	1.5E2	1.599
31455	12454	Sisma X SLV	2.9E3	0	0	0	4.5E3	1.599	31456	12454	Sisma Y SLV	0	2.9E3	0	0	4.5E3	1.599
31457	12454	Sisma X SLO	1.5E3	0	0	0	4.5E3	1.599	31458	12454	Sisma Y SLO	0	1.5E3	0	0	4.5E3	1.599
31459	12454	Sisma X SLD	1.3E3	0	0	0	4.5E3	1.599	31460	12454	Sisma Y SLD	0	1.3E3	0	0	4.5E3	1.599
31461	12455	Sisma X SLV	1.8E3	0	0	0	2.9E3	1.599	31462	12455	Sisma Y SLV	0	1.8E3	0	0	2.9E3	1.599
31463	12455	Sisma X SLO	983.4	0	0	0	2.9E3	1.599	31464	12455	Sisma Y SLO	0	983.4	0	0	2.9E3	1.599
31465	12455	Sisma X SLD	816.3	0	0	0	2.9E3	1.599	31466	12455	Sisma Y SLD	0	816.3	0	0	2.9E3	1.599
31467	12456	Sisma X SLV	2.4E3	0	0	0	3.7E3	1.599	31468	12456	Sisma Y SLV	0	2.4E3	0	0	3.7E3	1.599
31469	12456	Sisma X SLO	1.3E3	0	0	0	3.7E3	1.599	31470	12456	Sisma Y SLO	0	1.3E3	0	0	3.7E3	1.599
31471	12456	Sisma X SLD	1.0E3	0	0	0	3.7E3	1.599	31472	12456	Sisma Y SLD	0	1.0E3	0	0	3.7E3	1.599
31473	12457	Sisma X SLV	1.6E3	0	0	0	2.5E3	1.599	31474	12457	Sisma Y SLV	0	1.6E3	0	0	2.5E3	1.599
31475	12457	Sisma X SLO	835.6	0	0	0	2.5E3	1.599	31476	12457	Sisma Y SLO	0	835.6	0	0	2.5E3	1.599
31477	12457	Sisma X SLD	693.6	0	0	0	2.5E3	1.599	31478	12457	Sisma Y SLD	0	693.6	0	0	2.5E3	1.599
31479	12458	Sisma X SLV	134	0	0	0	2.1E2	1.599	31480	12458	Sisma Y SLV	0	134	0	0	2.1E2	1.599
31481	12458	Sisma X SLO	71.5	0	0	0	2.1E2	1.599	31482	12458	Sisma Y SLO	0	71.5	0	0	2.1E2	1.599
31483	12458	Sisma X SLD	59.3	0	0	0	2.1E2	1.599	31484	12458	Sisma Y SLD	0	59.3	0	0	2.1E2	1.599
31485	12459	Sisma X SLV	121	0	0	0	1.9E2	1.599	31486	12459	Sisma Y SLV	0	121	0	0	1.9E2	1.599
31487	12459	Sisma X SLO	64.5	0	0	0	1.9E2	1.599	31488	12459	Sisma Y SLO	0	64.5	0	0	1.9E2	1.599
31489	12459	Sisma X SLD	53.6	0	0	0	1.9E2	1.599	31490	12459	Sisma Y SLD	0	53.6	0	0	1.9E2	1.599
31491	12460	Sisma X SLV	112.3	0	0	0	1.8E2	1.599	31492	12460	Sisma Y SLV	0	112.3	0	0	1.8E2	1.599
31493	12460	Sisma X SLO	59.9	0	0	0	1.8E2	1.599	31494	12460	Sisma Y SLO	0	59.9	0	0	1.8E2	1.599
31495	12460	Sisma X SLD	49.7	0	0	0	1.8E2	1.599	31496	12460	Sisma Y SLD	0	49.7	0	0	1.8E2	1.599
31497	12461	Sisma X SLV	101.5	0	0	0	1.6E2	1.599	31498	12461	Sisma Y SLV	0	101.5	0	0	1.6E2	1.599
31499	12461	Sisma X SLO	54.1	0	0	0	1.6E2	1.599	31500	12461	Sisma Y SLO	0	54.1	0	0	1.6E2	1.599
31501	12461	Sisma X SLD	44.9	0	0	0	1.6E2	1.599	31502	12461	Sisma Y SLD	0	44.9	0	0	1.6E2	1.599
31503	12462	Sisma X SLV	88.5	0	0	0	1.4E2	1.599	31504	12462	Sisma Y SLV	0	88.5	0	0	1.4E2	1.599
31505	12462	Sisma X SLO	47.2	0	0	0	1.4E2	1.599	31506	12462	Sisma Y SLO	0	47.2	0	0	1.4E2	1.599
31507	12462	Sisma X SLD	39.2	0	0	0	1.4E2	1.599	31508	12462	Sisma Y SLD	0	39.2	0	0	1.4E2	1.599
31509	12463	Sisma X SLV	74	0	0	0	1.2E2	1.599	31510	12463	Sisma Y SLV	0	74	0	0	1.2E2	1.599
31511	12463	Sisma X SLO	39.5	0	0	0	1.2E2	1.599	31512	12463	Sisma Y SLO	0	39.5	0	0	1.2E2	1.599

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
31513	12463	Sisma X SLD	32.8	0	0	0	1.2E2	1.599	31514	12463	Sisma Y SLD	0	32.8	0	0	1.2E2	1.599
31515	12464	Sisma X SLV	57.7	0	0	0	9.0E1	1.599	31516	12464	Sisma Y SLV	0	57.7	0	0	9.0E1	1.599
31517	12464	Sisma X SLO	30.8	0	0	0	9.0E1	1.599	31518	12464	Sisma Y SLO	0	30.8	0	0	9.0E1	1.599
31519	12464	Sisma X SLD	25.6	0	0	0	9.0E1	1.599	31520	12464	Sisma Y SLD	0	25.6	0	0	9.0E1	1.599
31521	12465	Sisma X SLV	1.2E3	0	0	0	1.9E3	1.599	31522	12465	Sisma Y SLV	0	1.2E3	0	0	1.9E3	1.599
31523	12465	Sisma X SLO	652.8	0	0	0	1.9E3	1.599	31524	12465	Sisma Y SLO	0	652.8	0	0	1.9E3	1.599
31525	12465	Sisma X SLD	541.9	0	0	0	1.9E3	1.599	31526	12465	Sisma Y SLD	0	541.9	0	0	1.9E3	1.599
31527	12466	Sisma X SLV	536.8	0	0	0	840	1.599	31528	12466	Sisma Y SLV	0	536.8	0	0	840	1.599
31529	12466	Sisma X SLO	286.2	0	0	0	840	1.599	31530	12466	Sisma Y SLO	0	286.2	0	0	840	1.599
31531	12466	Sisma X SLD	237.5	0	0	0	840	1.599	31532	12466	Sisma Y SLD	0	237.5	0	0	840	1.599
31533	12467	Sisma X SLV	536.8	0	0	0	840	1.599	31534	12467	Sisma Y SLV	0	536.8	0	0	840	1.599
31535	12467	Sisma X SLO	286.2	0	0	0	840	1.599	31536	12467	Sisma Y SLO	0	286.2	0	0	840	1.599
31537	12467	Sisma X SLD	237.5	0	0	0	840	1.599	31538	12467	Sisma Y SLD	0	237.5	0	0	840	1.599
31539	12468	Sisma X SLV	75.5	0	0	0	1.2E2	1.599	31540	12468	Sisma Y SLV	0	75.5	0	0	1.2E2	1.599
31541	12468	Sisma X SLO	40.2	0	0	0	1.2E2	1.599	31542	12468	Sisma Y SLO	0	40.2	0	0	1.2E2	1.599
31543	12468	Sisma X SLD	33.4	0	0	0	1.2E2	1.599	31544	12468	Sisma Y SLD	0	33.4	0	0	1.2E2	1.599
31545	12469	Sisma X SLV	20.4	0	0	0	3.2E1	1.599	31546	12469	Sisma Y SLV	0	20.4	0	0	3.2E1	1.599
31547	12469	Sisma X SLO	10.9	0	0	0	3.2E1	1.599	31548	12469	Sisma Y SLO	0	10.9	0	0	3.2E1	1.599
31549	12469	Sisma X SLD	9	0	0	0	3.2E1	1.599	31550	12469	Sisma Y SLD	0	9	0	0	3.2E1	1.599
31551	12470	Sisma X SLV	2.8E3	0	0	0	4.4E3	1.599	31552	12470	Sisma Y SLV	0	2.8E3	0	0	4.4E3	1.599
31553	12470	Sisma X SLO	1.5E3	0	0	0	4.4E3	1.599	31554	12470	Sisma Y SLO	0	1.5E3	0	0	4.4E3	1.599
31555	12470	Sisma X SLD	1.2E3	0	0	0	4.4E3	1.599	31556	12470	Sisma Y SLD	0	1.2E3	0	0	4.4E3	1.599
31557	12471	Sisma X SLV	1810	0	0	0	2.8E3	1.599	31558	12471	Sisma Y SLV	0	1810	0	0	2.8E3	1.599
31559	12471	Sisma X SLO	965	0	0	0	2.8E3	1.599	31560	12471	Sisma Y SLO	0	965	0	0	2.8E3	1.599
31561	12471	Sisma X SLD	801	0	0	0	2.8E3	1.599	31562	12471	Sisma Y SLD	0	801	0	0	2.8E3	1.599
31563	12472	Sisma X SLV	2.3E3	0	0	0	3.6E3	1.599	31564	12472	Sisma Y SLV	0	2.3E3	0	0	3.6E3	1.599
31565	12472	Sisma X SLO	1.2E3	0	0	0	3.6E3	1.599	31566	12472	Sisma Y SLO	0	1.2E3	0	0	3.6E3	1.599
31567	12472	Sisma X SLD	1.0E3	0	0	0	3.6E3	1.599	31568	12472	Sisma Y SLD	0	1.0E3	0	0	3.6E3	1.599
31569	12473	Sisma X SLV	1546	0	0	0	2.4E3	1.599	31570	12473	Sisma Y SLV	0	1546	0	0	2.4E3	1.599
31571	12473	Sisma X SLO	824.3	0	0	0	2.4E3	1.599	31572	12473	Sisma Y SLO	0	824.3	0	0	2.4E3	1.599
31573	12473	Sisma X SLD	684.2	0	0	0	2.4E3	1.599	31574	12473	Sisma Y SLD	0	684.2	0	0	2.4E3	1.599
31575	12474	Sisma X SLV	133.1	0	0	0	2.1E2	1.599	31576	12474	Sisma Y SLV	0	133.1	0	0	2.1E2	1.599
31577	12474	Sisma X SLO	71	0	0	0	2.1E2	1.599	31578	12474	Sisma Y SLO	0	71	0	0	2.1E2	1.599
31579	12474	Sisma X SLD	58.9	0	0	0	2.1E2	1.599	31580	12474	Sisma Y SLD	0	58.9	0	0	2.1E2	1.599
31581	12475	Sisma X SLV	121.6	0	0	0	1.9E2	1.599	31582	12475	Sisma Y SLV	0	121.6	0	0	1.9E2	1.599
31583	12475	Sisma X SLO	64.8	0	0	0	1.9E2	1.599	31584	12475	Sisma Y SLO	0	64.8	0	0	1.9E2	1.599
31585	12475	Sisma X SLD	53.8	0	0	0	1.9E2	1.599	31586	12475	Sisma Y SLD	0	53.8	0	0	1.9E2	1.599
31587	12476	Sisma X SLV	109.3	0	0	0	1.7E2	1.599	31588	12476	Sisma Y SLV	0	109.3	0	0	1.7E2	1.599
31589	12476	Sisma X SLO	58.2	0	0	0	1.7E2	1.599	31590	12476	Sisma Y SLO	0	58.2	0	0	1.7E2	1.599
31591	12476	Sisma X SLD	48.3	0	0	0	1.7E2	1.599	31592	12476	Sisma Y SLD	0	48.3	0	0	1.7E2	1.599
31593	12477	Sisma X SLV	96.9	0	0	0	1.5E2	1.599	31594	12477	Sisma Y SLV	0	96.9	0	0	1.5E2	1.599
31595	12477	Sisma X SLO	51.6	0	0	0	1.5E2	1.599	31596	12477	Sisma Y SLO	0	51.6	0	0	1.5E2	1.599
31597	12477	Sisma X SLD	42.9	0	0	0	1.5E2	1.599	31598	12477	Sisma Y SLD	0	42.9	0	0	1.5E2	1.599
31599	12478	Sisma X SLV	84.6	0	0	0	1.3E2	1.599	31600	12478	Sisma Y SLV	0	84.6	0	0	1.3E2	1.599
31601	12478	Sisma X SLO	45.1	0	0	0	1.3E2	1.599	31602	12478	Sisma Y SLO	0	45.1	0	0	1.3E2	1.599
31603	12478	Sisma X SLD	37.4	0	0	0	1.3E2	1.599	31604	12478	Sisma Y SLD	0	37.4	0	0	1.3E2	1.599
31605	12479	Sisma X SLV	72.4	0	0	0	1.1E2	1.599	31606	12479	Sisma Y SLV	0	72.4	0	0	1.1E2	1.599
31607	12479	Sisma X SLO	38.6	0	0	0	1.1E2	1.599	31608	12479	Sisma Y SLO	0	38.6	0	0	1.1E2	1.599
31609	12479	Sisma X SLD	32	0	0	0	1.1E2	1.599	31610	12479	Sisma Y SLD	0	32	0	0	1.1E2	1.599
31611	12480	Sisma X SLV	55.2	0	0	0	8.6E1	1.599	31612	12480	Sisma Y SLV	0	55.2	0	0	8.6E1	1.599
31613	12480	Sisma X SLO	29.4	0	0	0	8.6E1	1.599	31614	12480	Sisma Y SLO	0	29.4	0	0	8.6E1	1.599
31615	12480	Sisma X SLD	24.4	0	0	0	8.6E1	1.599	31616	12480	Sisma Y SLD	0	24.4	0	0	8.6E1	1.599
31617	12481	Sisma X SLV	1.3E3	0	0	0	2.0E3	1.599	31618	12481	Sisma Y SLV	0	1.3E3	0	0	2.0E3	1.599
31619	12481	Sisma X SLO	673.7	0	0	0	2.0E3	1.599	31620	12481	Sisma Y SLO	0	673.7	0	0	2.0E3	1.599
31621	12481	Sisma X SLD	559.2	0	0	0	2.0E3	1.599	31622	12481	Sisma Y SLD	0	559.2	0	0	2.0E3	1.599
31623	12482	Sisma X SLV	2.4E3	0	0	0	3.7E3	1.599	31624	12482	Sisma Y SLV	0	2.4E3	0	0	3.7E3	1.599
31625	12482	Sisma X SLO	1.3E3	0	0	0	3.7E3	1.599	31626	12482	Sisma Y SLO	0	1.3E3	0	0	3.7E3	1.599
31627	12482	Sisma X SLD	1.1E3	0	0	0	3.7E3	1.599	31628	12482	Sisma Y SLD	0	1.1E3	0	0	3.7E3	1.599
31629	12483	Sisma X SLV	2.0E3	0	0	0	3.1E3	1.599	31630	12483	Sisma Y SLV	0	2.0E3	0	0	3.1E3	1.599
31631	12483	Sisma X SLO	1.0E3	0	0	0	3.1E3	1.599	31632	12483	Sisma Y SLO	0	1.0E3	0	0	3.1E3	1.599
31633	12483	Sisma X SLD	868.3	0	0	0	3.1E3	1.599	31634	12483	Sisma Y SLD	0	868.3	0	0	3.1E3	1.599
31635	12484	Sisma X SLV	2.1E3	0	0	0	3.3E3	1.599	31636	12484	Sisma Y SLV	0	2.1E3	0	0	3.3E3	1.599
31637	12484	Sisma X SLO	1.1E3	0	0	0	3.3E3	1.599	31638	12484	Sisma Y SLO	0	1.1E3	0	0	3.3E3	1.599
31639	12484	Sisma X SLD	925.6	0	0	0	3.3E3	1.599	31640	12484	Sisma Y SLD	0	925.6	0	0	3.3E3	1.599
31641	12485	Sisma X SLV	536.8	0	0	0	840	1.599	31642	12485	Sisma Y SLV	0	536.8	0	0	840	1.599
31643	12485	Sisma X SLO	286.2	0	0	0	840	1.599	31644	12485	Sisma Y SLO	0	286.2	0	0	840	1.599
31645	12485	Sisma X SLD	237.5	0	0	0	840	1.599	31646	12485	Sisma Y SLD	0	237.5	0	0	840	1.599
31647	12486	Sisma X SLV	1.0E3	0	0	0	1.6E3	1.599	31648	12486	Sisma Y SLV	0	1.0E3	0	0	1.6E3	1.599
31649	12486	Sisma X SLO	544.2	0	0	0	1.6E3	1.599	31650	12486	Sisma Y SLO	0	544.2	0	0	1.6E3	1.599
31651	12486	Sisma X SLD	451.7	0	0	0	1.6E3	1.599	31652	12486	Sisma Y SLD	0	451.7	0	0	1.6E3	1.599
31653	12487	Sisma X SLV	1.1E3	0	0	0	1.6E3	1.599	31654	12487	Sisma Y SLV	0	1.1E3	0	0	1.6E3	1.599
31655	12487	Sisma X SLO	560.9	0	0	0	1.6E3	1.599	31656	12487	Sisma Y SLO	0	560.9	0	0	1.6E3	1.599
31657	12487	Sisma X SLD	465.6	0	0	0	1.6E3	1.599	31658	12487	Sisma Y SLD	0	465.6	0	0	1.6E3	1.599
31659	12488	Sisma X SLV	20.4	0	0	0	3.2E1	1.599	31660	12488	Sisma Y SLV	0	20.4	0	0	3.2E1	1.599
31661	12488	Sisma X SLO	10.9	0	0	0	3.2E1	1.599	31662	12488	Sisma Y SLO	0	10.9	0	0	3.2E1	1.599
31663	12488	Sisma X SLD	9	0	0	0	3.2E1	1.599	31664	12488	Sisma Y SLD	0	9	0	0	3.2E1	1.599
31665	12489	Sisma X SLV	1.8E3	0	0	0	2.8E3	1.599	31666	12489	Sisma Y SLV	0	1.8E3	0	0	2.8E3	1.599
31667	12489	Sisma X SLO	959.9	0	0	0	2.8E3	1.599	31668	12489	Sisma Y SLO	0	959.9	0	0	2.8E3	1.599
31669	12489	Sisma X SLD	796.7	0	0	0	2.8E3	1.599	31670	12489	Sisma Y SLD	0	796.7	0	0	2.8E3	1.599
31671	12490	Sisma X SLV	148.4	0	0	0	2.3E2	1.599	31672	12490	Sisma Y SLV	0	148.4	0	0	2.3E2	1.599
31673	12490	Sisma X SLO	79.1	0	0	0	2.3E2	1.599	31674	12490	Sisma Y SLO	0	79.1	0	0	2.3E2	1.599
31675	12490	Sisma X SLD	65.7	0	0	0	2.3E2	1.599	31676	12490	Sisma Y SLD	0	65.7	0	0	2.3E2	1.599
31677	12491	Sisma X SLV	133.5	0	0	0	2.1E2	1.599	31678	12491	Sisma Y SLV	0	133.5	0	0	2.1E2	1.599
31679	12491	Sisma X SLO	71.2	0	0	0	2.1E2	1.599	31680	12491	Sisma Y SLO	0	71.2	0	0	2.1E2	1.599
31681	12491	Sisma X SLD	59.1	0	0	0	2.1E2	1.599	31682	12491	Sisma Y SLD	0	59.1	0	0	2.1E2	1.599
31683	12492	Sisma X SLV	124.1	0	0	0	1.9E2	1.599	31684	12492	Sisma Y SLV	0	124.1	0	0	1.9E2	1.599
31685	12492	Sisma X SLO	66.2	0	0	0	1.9E2	1.599	31686	12492	Sisma Y SLO	0	66.2	0	0	1.9E2	1.599
31687	12492	Sisma X SLD	54.9	0	0	0	1.9E2	1.599	31688	12492	Sisma Y SLD	0	54.9	0	0	1.9E2	1.599
31689	12493	Sisma X SLV	110	0	0	0	1.7E2	1.599	31690	12493	Sisma Y SLV	0	110	0	0	1.7E2	1.599
31691	12493	Sisma X SLO	58.6	0	0	0	1.7E2	1.599	31692	12493	Sisma Y SLO	0	58.6	0	0	1.7E2	1.599
31693	12493	Sisma X SLD	48.7	0	0	0	1.7E2	1.599	31694	12493	Sisma Y SLD	0	48.7	0	0	1.7E2	1.599
31695	12494	Sisma X SLV	96.1	0	0	0	1.5E2	1.599	31696	12494	Sisma Y SLV	0	96.1	0	0	1.5E2	1.599
31697	12494	Sisma X SLO	51.3	0	0	0	1.5E2	1.599	31698	12494	Sisma Y SLO	0	51.3	0	0	1.5E2	1.599
31699	12494	Sisma X SLD	42.5	0	0	0	1.5E2	1.599	31700	12494	Sisma Y SLD	0	42.5	0	0	1.5E2	1.599
31701	12495	Sisma X SLV	83.5	0	0	0	1.3E2	1.599	31702	12495	Sisma Y SLV	0	83.5	0	0	1.3E2	1.599
31703	12495	Sisma X SLO	44.5	0	0	0	1.3E2	1.599	31704	12495	Sisma Y SLO	0	44.5	0	0	1.3E2	1.599
31705	12495	Sisma X SLD	36.9	0	0	0	1.3E2	1.599	31706	12495	Sisma Y SLD	0	36.9	0	0	1.3E2	1.599
31707	12496	Sisma X SLV	66.4	0	0	0	1.0E2	1.599	31708	12496	Sisma Y SLV	0	66.4	0	0	1.0E2	1.599
31709	12496	Sisma X SLO	35.4	0	0	0	1.0E2	1.599	31710	12496	Sisma Y SLO	0	35.4	0	0	1.0E2	1.599
31711	12496	Sisma X SLD	29.4	0	0	0	1.0E2	1.599	31712	12496	Sisma Y SLD	0	29.4	0	0	1.0E2	1.599

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
31713	12497	Sisma X SLV	1.3E3	0	0	0	2.0E3	1.599	31714	12497	Sisma Y SLV	0	1.3E3	0	0	2.0E3	1.599
31715	12497	Sisma X SLO	682.6	0	0	0	2.0E3	1.599	31716	12497	Sisma Y SLO	0	682.6	0	0	2.0E3	1.599
31717	12497	Sisma X SLD	566.6	0	0	0	2.0E3	1.599	31718	12497	Sisma Y SLD	0	566.6	0	0	2.0E3	1.599
31719	12498	Sisma X SLV	536.8	0	0	0	840	1.599	31720	12498	Sisma Y SLV	0	536.8	0	0	840	1.599
31721	12498	Sisma X SLO	286.2	0	0	0	840	1.599	31722	12498	Sisma Y SLO	0	286.2	0	0	840	1.599
31723	12498	Sisma X SLD	237.5	0	0	0	840	1.599	31724	12498	Sisma Y SLD	0	237.5	0	0	840	1.599
31725	12499	Sisma X SLV	536.8	0	0	0	840	1.599	31726	12499	Sisma Y SLV	0	536.8	0	0	840	1.599
31727	12499	Sisma X SLO	286.2	0	0	0	840	1.599	31728	12499	Sisma Y SLO	0	286.2	0	0	840	1.599
31729	12499	Sisma X SLD	237.5	0	0	0	840	1.599	31730	12499	Sisma Y SLD	0	237.5	0	0	840	1.599
31731	12500	Sisma X SLV	69.7	0	0	0	1.1E2	1.599	31732	12500	Sisma Y SLV	0	69.7	0	0	1.1E2	1.599
31733	12500	Sisma X SLO	37.2	0	0	0	1.1E2	1.599	31734	12500	Sisma Y SLO	0	37.2	0	0	1.1E2	1.599
31735	12500	Sisma X SLD	30.9	0	0	0	1.1E2	1.599	31736	12500	Sisma Y SLD	0	30.9	0	0	1.1E2	1.599
31737	12501	Sisma X SLV	20.4	0	0	0	3.2E1	1.599	31738	12501	Sisma Y SLV	0	20.4	0	0	3.2E1	1.599
31739	12501	Sisma X SLO	10.9	0	0	0	3.2E1	1.599	31740	12501	Sisma Y SLO	0	10.9	0	0	3.2E1	1.599
31741	12501	Sisma X SLD	9	0	0	0	3.2E1	1.599	31742	12501	Sisma Y SLD	0	9	0	0	3.2E1	1.599
31743	12502	Sisma X SLV	2.9E3	0	0	0	4.5E3	1.599	31744	12502	Sisma Y SLV	0	2.9E3	0	0	4.5E3	1.599
31745	12502	Sisma X SLO	1.5E3	0	0	0	4.5E3	1.599	31746	12502	Sisma Y SLO	0	1.5E3	0	0	4.5E3	1.599
31747	12502	Sisma X SLD	1.3E3	0	0	0	4.5E3	1.599	31748	12502	Sisma Y SLD	0	1.3E3	0	0	4.5E3	1.599
31749	12503	Sisma X SLV	1.8E3	0	0	0	2.9E3	1.599	31750	12503	Sisma Y SLV	0	1.8E3	0	0	2.9E3	1.599
31751	12503	Sisma X SLO	981.2	0	0	0	2.9E3	1.599	31752	12503	Sisma Y SLO	0	981.2	0	0	2.9E3	1.599
31753	12503	Sisma X SLD	814.4	0	0	0	2.9E3	1.599	31754	12503	Sisma Y SLD	0	814.4	0	0	2.9E3	1.599
31755	12504	Sisma X SLV	2.4E3	0	0	0	3.7E3	1.599	31756	12504	Sisma Y SLV	0	2.4E3	0	0	3.7E3	1.599
31757	12504	Sisma X SLO	1.3E3	0	0	0	3.7E3	1.599	31758	12504	Sisma Y SLO	0	1.3E3	0	0	3.7E3	1.599
31759	12504	Sisma X SLD	1.0E3	0	0	0	3.7E3	1.599	31760	12504	Sisma Y SLD	0	1.0E3	0	0	3.7E3	1.599
31761	12505	Sisma X SLV	1.6E3	0	0	0	2.5E3	1.599	31762	12505	Sisma Y SLV	0	1.6E3	0	0	2.5E3	1.599
31763	12505	Sisma X SLO	838.1	0	0	0	2.5E3	1.599	31764	12505	Sisma Y SLO	0	838.1	0	0	2.5E3	1.599
31765	12505	Sisma X SLD	695.6	0	0	0	2.5E3	1.599	31766	12505	Sisma Y SLD	0	695.6	0	0	2.5E3	1.599
31767	12506	Sisma X SLV	135.5	0	0	0	2.1E2	1.599	31768	12506	Sisma Y SLV	0	135.5	0	0	2.1E2	1.599
31769	12506	Sisma X SLO	72.2	0	0	0	2.1E2	1.599	31770	12506	Sisma Y SLO	0	72.2	0	0	2.1E2	1.599
31771	12506	Sisma X SLD	59.9	0	0	0	2.1E2	1.599	31772	12506	Sisma Y SLD	0	59.9	0	0	2.1E2	1.599
31773	12507	Sisma X SLV	122.5	0	0	0	1.9E2	1.599	31774	12507	Sisma Y SLV	0	122.5	0	0	1.9E2	1.599
31775	12507	Sisma X SLO	65.3	0	0	0	1.9E2	1.599	31776	12507	Sisma Y SLO	0	65.3	0	0	1.9E2	1.599
31777	12507	Sisma X SLD	54.2	0	0	0	1.9E2	1.599	31778	12507	Sisma Y SLD	0	54.2	0	0	1.9E2	1.599
31779	12508	Sisma X SLV	109.8	0	0	0	1.7E2	1.599	31780	12508	Sisma Y SLV	0	109.8	0	0	1.7E2	1.599
31781	12508	Sisma X SLO	58.5	0	0	0	1.7E2	1.599	31782	12508	Sisma Y SLO	0	58.5	0	0	1.7E2	1.599
31783	12508	Sisma X SLD	48.6	0	0	0	1.7E2	1.599	31784	12508	Sisma Y SLD	0	48.6	0	0	1.7E2	1.599
31785	12509	Sisma X SLV	96.8	0	0	0	1.5E2	1.599	31786	12509	Sisma Y SLV	0	96.8	0	0	1.5E2	1.599
31787	12509	Sisma X SLO	51.6	0	0	0	1.5E2	1.599	31788	12509	Sisma Y SLO	0	51.6	0	0	1.5E2	1.599
31789	12509	Sisma X SLD	42.8	0	0	0	1.5E2	1.599	31790	12509	Sisma Y SLD	0	42.8	0	0	1.5E2	1.599
31791	12510	Sisma X SLV	83.8	0	0	0	1.3E2	1.599	31792	12510	Sisma Y SLV	0	83.8	0	0	1.3E2	1.599
31793	12510	Sisma X SLO	44.7	0	0	0	1.3E2	1.599	31794	12510	Sisma Y SLO	0	44.7	0	0	1.3E2	1.599
31795	12510	Sisma X SLD	37.1	0	0	0	1.3E2	1.599	31796	12510	Sisma Y SLD	0	37.1	0	0	1.3E2	1.599
31797	12511	Sisma X SLV	70.2	0	0	0	1.1E2	1.599	31798	12511	Sisma Y SLV	0	70.2	0	0	1.1E2	1.599
31799	12511	Sisma X SLO	37.5	0	0	0	1.1E2	1.599	31800	12511	Sisma Y SLO	0	37.5	0	0	1.1E2	1.599
31801	12511	Sisma X SLD	31.1	0	0	0	1.1E2	1.599	31802	12511	Sisma Y SLD	0	31.1	0	0	1.1E2	1.599
31803	12512	Sisma X SLV	53.6	0	0	0	8.4E1	1.599	31804	12512	Sisma Y SLV	0	53.6	0	0	8.4E1	1.599
31805	12512	Sisma X SLO	28.6	0	0	0	8.4E1	1.599	31806	12512	Sisma Y SLO	0	28.6	0	0	8.4E1	1.599
31807	12512	Sisma X SLD	23.7	0	0	0	8.4E1	1.599	31808	12512	Sisma Y SLD	0	23.7	0	0	8.4E1	1.599
31809	12513	Sisma X SLV	1.3E3	0	0	0	2.1E3	1.599	31810	12513	Sisma Y SLV	0	1.3E3	0	0	2.1E3	1.599
31811	12513	Sisma X SLO	700.5	0	0	0	2.1E3	1.599	31812	12513	Sisma Y SLO	0	700.5	0	0	2.1E3	1.599
31813	12513	Sisma X SLD	581.5	0	0	0	2.1E3	1.599	31814	12513	Sisma Y SLD	0	581.5	0	0	2.1E3	1.599
31815	12514	Sisma X SLV	536.8	0	0	0	840	1.599	31816	12514	Sisma Y SLV	0	536.8	0	0	840	1.599
31817	12514	Sisma X SLO	286.2	0	0	0	840	1.599	31818	12514	Sisma Y SLO	0	286.2	0	0	840	1.599
31819	12514	Sisma X SLD	237.5	0	0	0	840	1.599	31820	12514	Sisma Y SLD	0	237.5	0	0	840	1.599
31821	12515	Sisma X SLV	536.8	0	0	0	840	1.599	31822	12515	Sisma Y SLV	0	536.8	0	0	840	1.599
31823	12515	Sisma X SLO	286.2	0	0	0	840	1.599	31824	12515	Sisma Y SLO	0	286.2	0	0	840	1.599
31825	12515	Sisma X SLD	237.5	0	0	0	840	1.599	31826	12515	Sisma Y SLD	0	237.5	0	0	840	1.599
31827	12516	Sisma X SLV	91.7	0	0	0	1.4E2	1.599	31828	12516	Sisma Y SLV	0	91.7	0	0	1.4E2	1.599
31829	12516	Sisma X SLO	48.9	0	0	0	1.4E2	1.599	31830	12516	Sisma Y SLO	0	48.9	0	0	1.4E2	1.599
31831	12516	Sisma X SLD	40.6	0	0	0	1.4E2	1.599	31832	12516	Sisma Y SLD	0	40.6	0	0	1.4E2	1.599
31833	12517	Sisma X SLV	20.4	0	0	0	3.2E1	1.599	31834	12517	Sisma Y SLV	0	20.4	0	0	3.2E1	1.599
31835	12517	Sisma X SLO	10.9	0	0	0	3.2E1	1.599	31836	12517	Sisma Y SLO	0	10.9	0	0	3.2E1	1.599
31837	12517	Sisma X SLD	9	0	0	0	3.2E1	1.599	31838	12517	Sisma Y SLD	0	9	0	0	3.2E1	1.599
31839	12518	Sisma X SLV	2.9E3	0	0	0	4.6E3	1.599	31840	12518	Sisma Y SLV	0	2.9E3	0	0	4.6E3	1.599
31841	12518	Sisma X SLO	1.6E3	0	0	0	4.6E3	1.599	31842	12518	Sisma Y SLO	0	1.6E3	0	0	4.6E3	1.599
31843	12518	Sisma X SLD	1.3E3	0	0	0	4.6E3	1.599	31844	12518	Sisma Y SLD	0	1.3E3	0	0	4.6E3	1.599
31845	12519	Sisma X SLV	1.9E3	0	0	0	2.9E3	1.599	31846	12519	Sisma Y SLV	0	1.9E3	0	0	2.9E3	1.599
31847	12519	Sisma X SLO	987.3	0	0	0	2.9E3	1.599	31848	12519	Sisma Y SLO	0	987.3	0	0	2.9E3	1.599
31849	12519	Sisma X SLD	819.5	0	0	0	2.9E3	1.599	31850	12519	Sisma Y SLD	0	819.5	0	0	2.9E3	1.599
31851	12520	Sisma X SLV	2365	0	0	0	3.7E3	1.599	31852	12520	Sisma Y SLV	0	2365	0	0	3.7E3	1.599
31853	12520	Sisma X SLO	1.3E3	0	0	0	3.7E3	1.599	31854	12520	Sisma Y SLO	0	1.3E3	0	0	3.7E3	1.599
31855	12520	Sisma X SLD	1.0E3	0	0	0	3.7E3	1.599	31856	12520	Sisma Y SLD	0	1.0E3	0	0	3.7E3	1.599
31857	12521	Sisma X SLV	1.6E3	0	0	0	2.5E3	1.599	31858	12521	Sisma Y SLV	0	1.6E3	0	0	2.5E3	1.599
31859	12521	Sisma X SLO	840.4	0	0	0	2.5E3	1.599	31860	12521	Sisma Y SLO	0	840.4	0	0	2.5E3	1.599
31861	12521	Sisma X SLD	697.6	0	0	0	2.5E3	1.599	31862	12521	Sisma Y SLD	0	697.6	0	0	2.5E3	1.599
31863	12522	Sisma X SLV	160.4	0	0	0	2.5E2	1.599	31864	12522	Sisma Y SLV	0	160.4	0	0	2.5E2	1.599
31865	12522	Sisma X SLO	85.5	0	0	0	2.5E2	1.599	31866	12522	Sisma Y SLO	0	85.5	0	0	2.5E2	1.599
31867	12522	Sisma X SLD	71	0	0	0	2.5E2	1.599	31868	12522	Sisma Y SLD	0	71	0	0	2.5E2	1.599
31869	12523	Sisma X SLV	145.8	0	0	0	2.3E2	1.599	31870	12523	Sisma Y SLV	0	145.8	0	0	2.3E2	1.599
31871	12523	Sisma X SLO	77.7	0	0	0	2.3E2	1.599	31872	12523	Sisma Y SLO	0	77.7	0	0	2.3E2	1.599
31873	12523	Sisma X SLD	64.5	0	0	0	2.3E2	1.599	31874	12523	Sisma Y SLD	0	64.5	0	0	2.3E2	1.599
31875	12524	Sisma X SLV	123.4	0	0	0	1.9E2	1.599	31876	12524	Sisma Y SLV	0	123.4	0	0	1.9E2	1.599
31877	12524	Sisma X SLO	65.8	0	0	0	1.9E2	1.599	31878	12524	Sisma Y SLO	0	65.8	0	0	1.9E2	1.599
31879	12524	Sisma X SLD	54.6	0	0	0	1.9E2	1.599	31880	12524	Sisma Y SLD	0	54.6	0	0	1.9E2	1.599
31881	12525	Sisma X SLV	105.9	0	0	0	1.7E2	1.599	31882	12525	Sisma Y SLV	0	105.9	0	0	1.7E2	1.599
31883	12525	Sisma X SLO	56.4	0	0	0	1.7E2	1.599	31884	12525	Sisma Y SLO	0	56.4	0	0	1.7E2	1.599
31885	12525	Sisma X SLD	46.9	0	0	0	1.7E2	1.599	31886	12525	Sisma Y SLD	0	46.9	0	0	1.7E2	1.599
31887	12526	Sisma X SLV	91.7	0	0	0	1.4E2	1.599	31888	12526	Sisma Y SLV	0	91.7	0	0	1.4E2	1.599
31889	12526	Sisma X SLO	48.9	0	0	0	1.4E2	1.599	31890	12526	Sisma Y SLO	0	48.9	0	0	1.4E2	1.599
31891	12526	Sisma X SLD	40.6	0	0	0	1.4E2	1.599	31892	12526	Sisma Y SLD	0	40.6	0	0	1.4E2	1.599
31893	12527	Sisma X SLV	79.2	0	0	0	1.2E2	1.599	31894	12527	Sisma Y SLV	0	79.2	0	0	1.2E2	1.599
31895	12527	Sisma X SLO	42.2	0	0	0	1.2E2	1.599	31896	12527	Sisma Y SLO	0	42.2	0	0	1.2E2	1.599
31897	12527	Sisma X SLD	35	0	0	0	1.2E2	1.599	31898	12527	Sisma Y SLD	0	35	0	0	1.2E2	1.599
31899	12528	Sisma X SLV	63	0	0	0	9.9E1	1.599	31900	12528	Sisma Y SLV	0	63	0	0	9.9E1	1.599
31901	12528	Sisma X SLO	33.6	0	0	0	9.9E1	1.599	31902	12528	Sisma Y SLO	0	33.6	0	0	9.9E1	1.599
31903	12528	Sisma X SLD	27.9	0	0	0	9.9E1	1.599	31904	12528	Sisma Y SLD	0	27.9	0	0	9.9E1	1.599
31905	12529	Sisma X SLV	1.4E3	0	0	0	2.3E3	1.599	31906	12529	Sisma Y SLV	0	1.4E3	0	0	2.3E3	1.599
31907	12529	Sisma X SLO	772.1	0	0	0	2.3E3	1.599	31908	12529	Sisma Y SLO	0	772.1	0	0	2.3E3	1.599
31909	12529	Sisma X SLD	640.8	0	0	0	2.3E3	1.599	31910	12529	Sisma Y SLD	0	640.8	0	0	2.3E3	1.599
31911	12530	Sisma X SLV	536.8	0	0	0	840	1.599	31912	12530	Sisma Y SLV	0	536.8	0	0	840	1.599

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
31913	12530	Sisma X SLO	286.2	0	0	0	840	1.599	31914	12530	Sisma Y SLO	0	286.2	0	0	840	1.599
31915	12530	Sisma X SLD	237.5	0	0	0	840	1.599	31916	12530	Sisma Y SLD	0	237.5	0	0	840	1.599
31917	12531	Sisma X SLV	536.8	0	0	0	840	1.599	31918	12531	Sisma Y SLV	0	536.8	0	0	840	1.599
31919	12531	Sisma X SLO	286.2	0	0	0	840	1.599	31920	12531	Sisma Y SLO	0	286.2	0	0	840	1.599
31921	12531	Sisma X SLD	237.5	0	0	0	840	1.599	31922	12531	Sisma Y SLD	0	237.5	0	0	840	1.599
31923	12532	Sisma X SLV	536.8	0	0	0	840	1.599	31924	12532	Sisma Y SLV	0	536.8	0	0	840	1.599
31925	12532	Sisma X SLO	286.2	0	0	0	840	1.599	31926	12532	Sisma Y SLO	0	286.2	0	0	840	1.599
31927	12532	Sisma X SLD	237.5	0	0	0	840	1.599	31928	12532	Sisma Y SLD	0	237.5	0	0	840	1.599
31929	12533	Sisma X SLV	105.8	0	0	0	1.7E2	1.599	31930	12533	Sisma Y SLV	0	105.8	0	0	1.7E2	1.599
31931	12533	Sisma X SLO	56.4	0	0	0	1.7E2	1.599	31932	12533	Sisma Y SLO	0	56.4	0	0	1.7E2	1.599
31933	12533	Sisma X SLD	46.8	0	0	0	1.7E2	1.599	31934	12533	Sisma Y SLD	0	46.8	0	0	1.7E2	1.599
31935	12534	Sisma X SLV	3.1E3	0	0	0	4.8E3	1.599	31936	12534	Sisma Y SLV	0	3.1E3	0	0	4.8E3	1.599
31937	12534	Sisma X SLO	1.6E3	0	0	0	4.8E3	1.599	31938	12534	Sisma Y SLO	0	1.6E3	0	0	4.8E3	1.599
31939	12534	Sisma X SLD	1.4E3	0	0	0	4.8E3	1.599	31940	12534	Sisma Y SLD	0	1.4E3	0	0	4.8E3	1.599
31941	12535	Sisma X SLV	1.6E3	0	0	0	2.5E3	1.599	31942	12535	Sisma Y SLV	0	1.6E3	0	0	2.5E3	1.599
31943	12535	Sisma X SLO	849.2	0	0	0	2.5E3	1.599	31944	12535	Sisma Y SLO	0	849.2	0	0	2.5E3	1.599
31945	12535	Sisma X SLD	704.9	0	0	0	2.5E3	1.599	31946	12535	Sisma Y SLD	0	704.9	0	0	2.5E3	1.599
31947	12536	Sisma X SLV	949.9	0	0	0	1.5E3	1.599	31948	12536	Sisma Y SLV	0	949.9	0	0	1.5E3	1.599
31949	12536	Sisma X SLO	506.4	0	0	0	1.5E3	1.599	31950	12536	Sisma Y SLO	0	506.4	0	0	1.5E3	1.599
31951	12536	Sisma X SLD	420.4	0	0	0	1.5E3	1.599	31952	12536	Sisma Y SLD	0	420.4	0	0	1.5E3	1.599
31953	12537	Sisma X SLV	1.6E3	0	0	0	2.5E3	1.599	31954	12537	Sisma Y SLV	0	1.6E3	0	0	2.5E3	1.599
31955	12537	Sisma X SLO	861.1	0	0	0	2.5E3	1.599	31956	12537	Sisma Y SLO	0	861.1	0	0	2.5E3	1.599
31957	12537	Sisma X SLD	714.8	0	0	0	2.5E3	1.599	31958	12537	Sisma Y SLD	0	714.8	0	0	2.5E3	1.599
31959	12538	Sisma X SLV	1.0E3	0	0	0	1.6E3	1.599	31960	12538	Sisma Y SLV	0	1.0E3	0	0	1.6E3	1.599
31961	12538	Sisma X SLO	552	0	0	0	1.6E3	1.599	31962	12538	Sisma Y SLO	0	552	0	0	1.6E3	1.599
31963	12538	Sisma X SLD	458.2	0	0	0	1.6E3	1.599	31964	12538	Sisma Y SLD	0	458.2	0	0	1.6E3	1.599
31965	12539	Sisma X SLV	944	0	0	0	1.5E3	1.599	31966	12539	Sisma Y SLV	0	944	0	0	1.5E3	1.599
31967	12539	Sisma X SLO	503.3	0	0	0	1.5E3	1.599	31968	12539	Sisma Y SLO	0	503.3	0	0	1.5E3	1.599
31969	12539	Sisma X SLD	417.8	0	0	0	1.5E3	1.599	31970	12539	Sisma Y SLD	0	417.8	0	0	1.5E3	1.599
31971	12540	Sisma X SLV	20.4	0	0	0	3.2E1	1.599	31972	12540	Sisma Y SLV	0	20.4	0	0	3.2E1	1.599
31973	12540	Sisma X SLO	10.9	0	0	0	3.2E1	1.599	31974	12540	Sisma Y SLO	0	10.9	0	0	3.2E1	1.599
31975	12540	Sisma X SLD	9	0	0	0	3.2E1	1.599	31976	12540	Sisma Y SLD	0	9	0	0	3.2E1	1.599
31977	12541	Sisma X SLV	175.3	0	0	0	2.7E2	1.599	31978	12541	Sisma Y SLV	0	175.3	0	0	2.7E2	1.599
31979	12541	Sisma X SLO	93.4	0	0	0	2.7E2	1.599	31980	12541	Sisma Y SLO	0	93.4	0	0	2.7E2	1.599
31981	12541	Sisma X SLD	77.6	0	0	0	2.7E2	1.599	31982	12541	Sisma Y SLD	0	77.6	0	0	2.7E2	1.599
31983	12542	Sisma X SLV	154.8	0	0	0	2.4E2	1.599	31984	12542	Sisma Y SLV	0	154.8	0	0	2.4E2	1.599
31985	12542	Sisma X SLO	82.6	0	0	0	2.4E2	1.599	31986	12542	Sisma Y SLO	0	82.6	0	0	2.4E2	1.599
31987	12542	Sisma X SLD	68.5	0	0	0	2.4E2	1.599	31988	12542	Sisma Y SLD	0	68.5	0	0	2.4E2	1.599
31989	12543	Sisma X SLV	136.3	0	0	0	2.1E2	1.599	31990	12543	Sisma Y SLV	0	136.3	0	0	2.1E2	1.599
31991	12543	Sisma X SLO	72.7	0	0	0	2.1E2	1.599	31992	12543	Sisma Y SLO	0	72.7	0	0	2.1E2	1.599
31993	12543	Sisma X SLD	60.3	0	0	0	2.1E2	1.599	31994	12543	Sisma Y SLD	0	60.3	0	0	2.1E2	1.599
31995	12544	Sisma X SLV	941.5	0	0	0	1.5E3	1.599	31996	12544	Sisma Y SLV	0	941.5	0	0	1.5E3	1.599
31997	12544	Sisma X SLO	501.9	0	0	0	1.5E3	1.599	31998	12544	Sisma Y SLO	0	501.9	0	0	1.5E3	1.599
31999	12544	Sisma X SLD	416.6	0	0	0	1.5E3	1.599	32000	12544	Sisma Y SLD	0	416.6	0	0	1.5E3	1.599
32001	12545	Sisma X SLV	119.1	0	0	0	1.9E2	1.599	32002	12545	Sisma Y SLV	0	119.1	0	0	1.9E2	1.599
32003	12545	Sisma X SLO	63.5	0	0	0	1.9E2	1.599	32004	12545	Sisma Y SLO	0	63.5	0	0	1.9E2	1.599
32005	12545	Sisma X SLD	52.7	0	0	0	1.9E2	1.599	32006	12545	Sisma Y SLD	0	52.7	0	0	1.9E2	1.599
32007	12546	Sisma X SLV	103.2	0	0	0	1.6E2	1.599	32008	12546	Sisma Y SLV	0	103.2	0	0	1.6E2	1.599
32009	12546	Sisma X SLO	55	0	0	0	1.6E2	1.599	32010	12546	Sisma Y SLO	0	55	0	0	1.6E2	1.599
32011	12546	Sisma X SLD	45.7	0	0	0	1.6E2	1.599	32012	12546	Sisma Y SLD	0	45.7	0	0	1.6E2	1.599
32013	12547	Sisma X SLV	91.8	0	0	0	1.4E2	1.599	32014	12547	Sisma Y SLV	0	91.8	0	0	1.4E2	1.599
32015	12547	Sisma X SLO	49	0	0	0	1.4E2	1.599	32016	12547	Sisma Y SLO	0	49	0	0	1.4E2	1.599
32017	12547	Sisma X SLD	40.6	0	0	0	1.4E2	1.599	32018	12547	Sisma Y SLD	0	40.6	0	0	1.4E2	1.599
32019	12548	Sisma X SLV	84.2	0	0	0	1.3E2	1.599	32020	12548	Sisma Y SLV	0	84.2	0	0	1.3E2	1.599
32021	12548	Sisma X SLO	44.9	0	0	0	1.3E2	1.599	32022	12548	Sisma Y SLO	0	44.9	0	0	1.3E2	1.599
32023	12548	Sisma X SLD	37.2	0	0	0	1.3E2	1.599	32024	12548	Sisma Y SLD	0	37.2	0	0	1.3E2	1.599
32025	12549	Sisma X SLV	622.2	0	0	0	9.7E2	1.599	32026	12549	Sisma Y SLV	0	622.2	0	0	9.7E2	1.599
32027	12549	Sisma X SLO	331.7	0	0	0	9.7E2	1.599	32028	12549	Sisma Y SLO	0	331.7	0	0	9.7E2	1.599
32029	12549	Sisma X SLD	275.4	0	0	0	9.7E2	1.599	32030	12549	Sisma Y SLD	0	275.4	0	0	9.7E2	1.599
32031	12550	Sisma X SLV	70	0	0	0	1.1E2	1.599	32032	12550	Sisma Y SLV	0	70	0	0	1.1E2	1.599
32033	12550	Sisma X SLO	37.3	0	0	0	1.1E2	1.599	32034	12550	Sisma Y SLO	0	37.3	0	0	1.1E2	1.599
32035	12550	Sisma X SLD	31	0	0	0	1.1E2	1.599	32036	12550	Sisma Y SLD	0	31	0	0	1.1E2	1.599
32037	12551	Sisma X SLV	76.4	0	0	0	1.2E2	1.599	32038	12551	Sisma Y SLV	0	76.4	0	0	1.2E2	1.599
32039	12551	Sisma X SLO	40.7	0	0	0	1.2E2	1.599	32040	12551	Sisma Y SLO	0	40.7	0	0	1.2E2	1.599
32041	12551	Sisma X SLD	33.8	0	0	0	1.2E2	1.599	32042	12551	Sisma Y SLD	0	33.8	0	0	1.2E2	1.599
32043	12552	Sisma X SLV	64.7	0	0	0	1.0E2	1.599	32044	12552	Sisma Y SLV	0	64.7	0	0	1.0E2	1.599
32045	12552	Sisma X SLO	34.5	0	0	0	1.0E2	1.599	32046	12552	Sisma Y SLO	0	34.5	0	0	1.0E2	1.599
32047	12552	Sisma X SLD	28.7	0	0	0	1.0E2	1.599	32048	12552	Sisma Y SLD	0	28.7	0	0	1.0E2	1.599
32049	12553	Sisma X SLV	59.4	0	0	0	9.3E1	1.599	32050	12553	Sisma Y SLV	0	59.4	0	0	9.3E1	1.599
32051	12553	Sisma X SLO	31.7	0	0	0	9.3E1	1.599	32052	12553	Sisma Y SLO	0	31.7	0	0	9.3E1	1.599
32053	12553	Sisma X SLD	26.3	0	0	0	9.3E1	1.599	32054	12553	Sisma Y SLD	0	26.3	0	0	9.3E1	1.599
32055	12554	Sisma X SLV	57.5	0	0	0	9.0E1	1.599	32056	12554	Sisma Y SLV	0	57.5	0	0	9.0E1	1.599
32057	12554	Sisma X SLO	30.7	0	0	0	9.0E1	1.599	32058	12554	Sisma Y SLO	0	30.7	0	0	9.0E1	1.599
32059	12554	Sisma X SLD	25.5	0	0	0	9.0E1	1.599	32060	12554	Sisma Y SLD	0	25.5	0	0	9.0E1	1.599
32061	12555	Sisma X SLV	56.9	0	0	0	8.9E1	1.599	32062	12555	Sisma Y SLV	0	56.9	0	0	8.9E1	1.599
32063	12555	Sisma X SLO	30.4	0	0	0	8.9E1	1.599	32064	12555	Sisma Y SLO	0	30.4	0	0	8.9E1	1.599
32065	12555	Sisma X SLD	25.2	0	0	0	8.9E1	1.599	32066	12555	Sisma Y SLD	0	25.2	0	0	8.9E1	1.599
32067	12556	Sisma X SLV	57.6	0	0	0	9.0E1	1.599	32068	12556	Sisma Y SLV	0	57.6	0	0	9.0E1	1.599
32069	12556	Sisma X SLO	30.7	0	0	0	9.0E1	1.599	32070	12556	Sisma Y SLO	0	30.7	0	0	9.0E1	1.599
32071	12556	Sisma X SLD	25.5	0	0	0	9.0E1	1.599	32072	12556	Sisma Y SLD	0	25.5	0	0	9.0E1	1.599
32073	12557	Sisma X SLV	58.7	0	0	0	9.2E1	1.599	32074	12557	Sisma Y SLV	0	58.7	0	0	9.2E1	1.599
32075	12557	Sisma X SLO	31.3	0	0	0	9.2E1	1.599	32076	12557	Sisma Y SLO	0	31.3	0	0	9.2E1	1.599
32077	12557	Sisma X SLD	26	0	0	0	9.2E1	1.599	32078	12557	Sisma Y SLD	0	26	0	0	9.2E1	1.599
32079	12558	Sisma X SLV	1.2E3	0	0	0	1.9E3	1.599	32080	12558	Sisma Y SLV	0	1.2E3	0	0	1.9E3	1.599
32081	12558	Sisma X SLO	631.2	0	0	0	1.9E3	1.599	32082	12558	Sisma Y SLO	0	631.2	0	0	1.9E3	1.599
32083	12558	Sisma X SLD	523.9	0	0	0	1.9E3	1.599	32084	12558	Sisma Y SLD	0	523.9	0	0	1.9E3	1.599
32085	12559	Sisma X SLV	61.8	0	0	0	9.7E1	1.599	32086	12559	Sisma Y SLV	0	61.8	0	0	9.7E1	1.599
32087	12559	Sisma X SLO	32.9	0	0	0	9.7E1	1.599	32088	12559	Sisma Y SLO	0	32.9	0	0	9.7E1	1.599
32089	12559	Sisma X SLD	27.3	0	0	0	9.7E1	1.599	32090	12559	Sisma Y SLD	0	27.3	0	0	9.7E1	1.599
32091	12560	Sisma X SLV	65	0	0	0	1.0E2	1.599	32092	12560	Sisma Y SLV	0	65	0	0	1.0E2	1.599
32093	12560	Sisma X SLO	34.7	0	0	0	1.0E2	1.599	32094	12560	Sisma Y SLO	0	34.7	0	0	1.0E2	1.599
32095	12560	Sisma X SLD	28.8	0	0	0	1.0E2	1.599	32096	12560	Sisma Y SLD	0	28.8	0	0	1.0E2	1.599
32097	12561	Sisma X SLV	66.7	0	0	0	1.0E2	1.599	32098	12561	Sisma Y SLV	0	66.7	0	0	1.0E2	1.599
32099	12561	Sisma X SLO	35.6	0	0	0	1.0E2	1.599	32100	12561	Sisma Y SLO	0	35.6	0	0	1.0E2	1.599
32101	12561	Sisma X SLD	29.5	0	0	0	1.0E2	1.599	32102	12561	Sisma Y SLD	0	29.5	0	0	1.0E2	1.599
32103	12562	Sisma X SLV	67	0	0	0	1.0E2	1.599	32104	12562	Sisma Y SLV	0	67	0	0	1.0E2	1.599
32105	12562	Sisma X SLO	35.7	0	0	0	1.0E2	1.599	32106	12562	Sisma Y SLO	0	35.7	0	0	1.0E2	1.599
32107	12562	Sisma X SLD	29.6	0	0	0	1.0E2	1.599	32108	12562	Sisma Y SLD	0	29.6	0	0	1.0E2	1.599
32109	12563	Sisma X SLV	65.9	0	0	0	1.0E2	1.599	32110	12563	Sisma Y SLV	0	65.9	0	0	1.0E2	1.599
32111	12563	Sisma X SLO	35.2	0	0	0	1.0E2	1.599	32112	12563	Sisma Y SLO	0	35.2	0	0	1.0E2	1.599

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
32113	12563	Sisma X SLD	29.2	0	0	0	1.0E2	1.599	32114	12563	Sisma Y SLD	0	29.2	0	0	1.0E2	1.599
32115	12564	Sisma X SLV	63.2	0	0	0	9.9E1	1.599	32116	12564	Sisma Y SLV	0	63.2	0	0	9.9E1	1.599
32117	12564	Sisma X SLO	33.7	0	0	0	9.9E1	1.599	32118	12564	Sisma Y SLO	0	33.7	0	0	9.9E1	1.599
32119	12564	Sisma X SLD	28	0	0	0	9.9E1	1.599	32120	12564	Sisma Y SLD	0	28	0	0	9.9E1	1.599
32121	12565	Sisma X SLV	64.5	0	0	0	1.0E2	1.599	32122	12565	Sisma Y SLV	0	64.5	0	0	1.0E2	1.599
32123	12565	Sisma X SLO	34.4	0	0	0	1.0E2	1.599	32124	12565	Sisma Y SLO	0	34.4	0	0	1.0E2	1.599
32125	12565	Sisma X SLD	28.5	0	0	0	1.0E2	1.599	32126	12565	Sisma Y SLD	0	28.5	0	0	1.0E2	1.599
32127	12566	Sisma X SLV	1.2E3	0	0	0	1.8E3	1.599	32128	12566	Sisma Y SLV	0	1.2E3	0	0	1.8E3	1.599
32129	12566	Sisma X SLO	628.3	0	0	0	1.8E3	1.599	32130	12566	Sisma Y SLO	0	628.3	0	0	1.8E3	1.599
32131	12566	Sisma X SLD	521.5	0	0	0	1.8E3	1.599	32132	12566	Sisma Y SLD	0	521.5	0	0	1.8E3	1.599
32133	12567	Sisma X SLV	63.6	0	0	0	1.0E2	1.599	32134	12567	Sisma Y SLV	0	63.6	0	0	1.0E2	1.599
32135	12567	Sisma X SLO	33.9	0	0	0	1.0E2	1.599	32136	12567	Sisma Y SLO	0	33.9	0	0	1.0E2	1.599
32137	12567	Sisma X SLD	28.2	0	0	0	1.0E2	1.599	32138	12567	Sisma Y SLD	0	28.2	0	0	1.0E2	1.599
32139	12568	Sisma X SLV	66	0	0	0	1.0E2	1.599	32140	12568	Sisma Y SLV	0	66	0	0	1.0E2	1.599
32141	12568	Sisma X SLO	35.2	0	0	0	1.0E2	1.599	32142	12568	Sisma Y SLO	0	35.2	0	0	1.0E2	1.599
32143	12568	Sisma X SLD	29.2	0	0	0	1.0E2	1.599	32144	12568	Sisma Y SLD	0	29.2	0	0	1.0E2	1.599
32145	12569	Sisma X SLV	64.2	0	0	0	1.0E2	1.599	32146	12569	Sisma Y SLV	0	64.2	0	0	1.0E2	1.599
32147	12569	Sisma X SLO	34.2	0	0	0	1.0E2	1.599	32148	12569	Sisma Y SLO	0	34.2	0	0	1.0E2	1.599
32149	12569	Sisma X SLD	28.4	0	0	0	1.0E2	1.599	32150	12569	Sisma Y SLD	0	28.4	0	0	1.0E2	1.599
32151	12570	Sisma X SLV	63.1	0	0	0	9.9E1	1.599	32152	12570	Sisma Y SLV	0	63.1	0	0	9.9E1	1.599
32153	12570	Sisma X SLO	33.6	0	0	0	9.9E1	1.599	32154	12570	Sisma Y SLO	0	33.6	0	0	9.9E1	1.599
32155	12570	Sisma X SLD	27.9	0	0	0	9.9E1	1.599	32156	12570	Sisma Y SLD	0	27.9	0	0	9.9E1	1.599
32157	12571	Sisma X SLV	63.4	0	0	0	9.9E1	1.599	32158	12571	Sisma Y SLV	0	63.4	0	0	9.9E1	1.599
32159	12571	Sisma X SLO	33.8	0	0	0	9.9E1	1.599	32160	12571	Sisma Y SLO	0	33.8	0	0	9.9E1	1.599
32161	12571	Sisma X SLD	28.1	0	0	0	9.9E1	1.599	32162	12571	Sisma Y SLD	0	28.1	0	0	9.9E1	1.599
32163	12572	Sisma X SLV	63.5	0	0	0	9.9E1	1.599	32164	12572	Sisma Y SLV	0	63.5	0	0	9.9E1	1.599
32165	12572	Sisma X SLO	33.9	0	0	0	9.9E1	1.599	32166	12572	Sisma Y SLO	0	33.9	0	0	9.9E1	1.599
32167	12572	Sisma X SLD	28.1	0	0	0	9.9E1	1.599	32168	12572	Sisma Y SLD	0	28.1	0	0	9.9E1	1.599
32169	12573	Sisma X SLV	63.2	0	0	0	9.9E1	1.599	32170	12573	Sisma Y SLV	0	63.2	0	0	9.9E1	1.599
32171	12573	Sisma X SLO	33.7	0	0	0	9.9E1	1.599	32172	12573	Sisma Y SLO	0	33.7	0	0	9.9E1	1.599
32173	12573	Sisma X SLD	28	0	0	0	9.9E1	1.599	32174	12573	Sisma Y SLD	0	28	0	0	9.9E1	1.599
32175	12574	Sisma X SLV	63	0	0	0	9.9E1	1.599	32176	12574	Sisma Y SLV	0	63	0	0	9.9E1	1.599
32177	12574	Sisma X SLO	33.6	0	0	0	9.9E1	1.599	32178	12574	Sisma Y SLO	0	33.6	0	0	9.9E1	1.599
32179	12574	Sisma X SLD	27.9	0	0	0	9.9E1	1.599	32180	12574	Sisma Y SLD	0	27.9	0	0	9.9E1	1.599
32181	12575	Sisma X SLV	615.1	0	0	0	9.6E2	1.599	32182	12575	Sisma Y SLV	0	615.1	0	0	9.6E2	1.599
32183	12575	Sisma X SLO	327.9	0	0	0	9.6E2	1.599	32184	12575	Sisma Y SLO	0	327.9	0	0	9.6E2	1.599
32185	12575	Sisma X SLD	272.2	0	0	0	9.6E2	1.599	32186	12575	Sisma Y SLD	0	272.2	0	0	9.6E2	1.599
32187	12576	Sisma X SLV	63.8	0	0	0	1.0E2	1.599	32188	12576	Sisma Y SLV	0	63.8	0	0	1.0E2	1.599
32189	12576	Sisma X SLO	34	0	0	0	1.0E2	1.599	32190	12576	Sisma Y SLO	0	34	0	0	1.0E2	1.599
32191	12576	Sisma X SLD	28.2	0	0	0	1.0E2	1.599	32192	12576	Sisma Y SLD	0	28.2	0	0	1.0E2	1.599
32193	12577	Sisma X SLV	65.4	0	0	0	1.0E2	1.599	32194	12577	Sisma Y SLV	0	65.4	0	0	1.0E2	1.599
32195	12577	Sisma X SLO	34.9	0	0	0	1.0E2	1.599	32196	12577	Sisma Y SLO	0	34.9	0	0	1.0E2	1.599
32197	12577	Sisma X SLD	28.9	0	0	0	1.0E2	1.599	32198	12577	Sisma Y SLD	0	28.9	0	0	1.0E2	1.599
32199	12578	Sisma X SLV	66.2	0	0	0	1.0E2	1.599	32200	12578	Sisma Y SLV	0	66.2	0	0	1.0E2	1.599
32201	12578	Sisma X SLO	35.3	0	0	0	1.0E2	1.599	32202	12578	Sisma Y SLO	0	35.3	0	0	1.0E2	1.599
32203	12578	Sisma X SLD	29.3	0	0	0	1.0E2	1.599	32204	12578	Sisma Y SLD	0	29.3	0	0	1.0E2	1.599
32205	12579	Sisma X SLV	68.1	0	0	0	1.1E2	1.599	32206	12579	Sisma Y SLV	0	68.1	0	0	1.1E2	1.599
32207	12579	Sisma X SLO	36.3	0	0	0	1.1E2	1.599	32208	12579	Sisma Y SLO	0	36.3	0	0	1.1E2	1.599
32209	12579	Sisma X SLD	30.2	0	0	0	1.1E2	1.599	32210	12579	Sisma Y SLD	0	30.2	0	0	1.1E2	1.599
32211	12580	Sisma X SLV	69.2	0	0	0	1.1E2	1.599	32212	12580	Sisma Y SLV	0	69.2	0	0	1.1E2	1.599
32213	12580	Sisma X SLO	36.9	0	0	0	1.1E2	1.599	32214	12580	Sisma Y SLO	0	36.9	0	0	1.1E2	1.599
32215	12580	Sisma X SLD	30.6	0	0	0	1.1E2	1.599	32216	12580	Sisma Y SLD	0	30.6	0	0	1.1E2	1.599
32217	12581	Sisma X SLV	69.5	0	0	0	1.1E2	1.599	32218	12581	Sisma Y SLV	0	69.5	0	0	1.1E2	1.599
32219	12581	Sisma X SLO	37	0	0	0	1.1E2	1.599	32220	12581	Sisma Y SLO	0	37	0	0	1.1E2	1.599
32221	12581	Sisma X SLD	30.7	0	0	0	1.1E2	1.599	32222	12581	Sisma Y SLD	0	30.7	0	0	1.1E2	1.599
32223	12582	Sisma X SLV	68.6	0	0	0	1.1E2	1.599	32224	12582	Sisma Y SLV	0	68.6	0	0	1.1E2	1.599
32225	12582	Sisma X SLO	36.6	0	0	0	1.1E2	1.599	32226	12582	Sisma Y SLO	0	36.6	0	0	1.1E2	1.599
32227	12582	Sisma X SLD	30.4	0	0	0	1.1E2	1.599	32228	12582	Sisma Y SLD	0	30.4	0	0	1.1E2	1.599
32229	12583	Sisma X SLV	68.2	0	0	0	1.1E2	1.599	32230	12583	Sisma Y SLV	0	68.2	0	0	1.1E2	1.599
32231	12583	Sisma X SLO	36.4	0	0	0	1.1E2	1.599	32232	12583	Sisma Y SLO	0	36.4	0	0	1.1E2	1.599
32233	12583	Sisma X SLD	30.2	0	0	0	1.1E2	1.599	32234	12583	Sisma Y SLD	0	30.2	0	0	1.1E2	1.599
32235	12584	Sisma X SLV	1.2E3	0	0	0	1.8E3	1.599	32236	12584	Sisma Y SLV	0	1.2E3	0	0	1.8E3	1.599
32237	12584	Sisma X SLO	626.3	0	0	0	1.8E3	1.599	32238	12584	Sisma Y SLO	0	626.3	0	0	1.8E3	1.599
32239	12584	Sisma X SLD	519.8	0	0	0	1.8E3	1.599	32240	12584	Sisma Y SLD	0	519.8	0	0	1.8E3	1.599
32241	12585	Sisma X SLV	66.8	0	0	0	1.0E2	1.599	32242	12585	Sisma Y SLV	0	66.8	0	0	1.0E2	1.599
32243	12585	Sisma X SLO	35.6	0	0	0	1.0E2	1.599	32244	12585	Sisma Y SLO	0	35.6	0	0	1.0E2	1.599
32245	12585	Sisma X SLD	29.6	0	0	0	1.0E2	1.599	32246	12585	Sisma Y SLD	0	29.6	0	0	1.0E2	1.599
32247	12586	Sisma X SLV	67.1	0	0	0	1.1E2	1.599	32248	12586	Sisma Y SLV	0	67.1	0	0	1.1E2	1.599
32249	12586	Sisma X SLO	35.8	0	0	0	1.1E2	1.599	32250	12586	Sisma Y SLO	0	35.8	0	0	1.1E2	1.599
32251	12586	Sisma X SLD	29.7	0	0	0	1.1E2	1.599	32252	12586	Sisma Y SLD	0	29.7	0	0	1.1E2	1.599
32253	12587	Sisma X SLV	68	0	0	0	1.1E2	1.599	32254	12587	Sisma Y SLV	0	68	0	0	1.1E2	1.599
32255	12587	Sisma X SLO	36.3	0	0	0	1.1E2	1.599	32256	12587	Sisma Y SLO	0	36.3	0	0	1.1E2	1.599
32257	12587	Sisma X SLD	30.1	0	0	0	1.1E2	1.599	32258	12587	Sisma Y SLD	0	30.1	0	0	1.1E2	1.599
32259	12588	Sisma X SLV	69	0	0	0	1.1E2	1.599	32260	12588	Sisma Y SLV	0	69	0	0	1.1E2	1.599
32261	12588	Sisma X SLO	36.8	0	0	0	1.1E2	1.599	32262	12588	Sisma Y SLO	0	36.8	0	0	1.1E2	1.599
32263	12588	Sisma X SLD	30.5	0	0	0	1.1E2	1.599	32264	12588	Sisma Y SLD	0	30.5	0	0	1.1E2	1.599
32265	12589	Sisma X SLV	70.4	0	0	0	1.1E2	1.599	32266	12589	Sisma Y SLV	0	70.4	0	0	1.1E2	1.599
32267	12589	Sisma X SLO	37.5	0	0	0	1.1E2	1.599	32268	12589	Sisma Y SLO	0	37.5	0	0	1.1E2	1.599
32269	12589	Sisma X SLD	31.2	0	0	0	1.1E2	1.599	32270	12589	Sisma Y SLD	0	31.2	0	0	1.1E2	1.599
32271	12590	Sisma X SLV	65.6	0	0	0	1.0E2	1.599	32272	12590	Sisma Y SLV	0	65.6	0	0	1.0E2	1.599
32273	12590	Sisma X SLO	35	0	0	0	1.0E2	1.599	32274	12590	Sisma Y SLO	0	35	0	0	1.0E2	1.599
32275	12590	Sisma X SLD	29	0	0	0	1.0E2	1.599	32276	12590	Sisma Y SLD	0	29	0	0	1.0E2	1.599
32277	12591	Sisma X SLV	66.6	0	0	0	1.0E2	1.599	32278	12591	Sisma Y SLV	0	66.6	0	0	1.0E2	1.599
32279	12591	Sisma X SLO	35.5	0	0	0	1.0E2	1.599	32280	12591	Sisma Y SLO	0	35.5	0	0	1.0E2	1.599
32281	12591	Sisma X SLD	29.5	0	0	0	1.0E2	1.599	32282	12591	Sisma Y SLD	0	29.5	0	0	1.0E2	1.599
32283	12592	Sisma X SLV	1.2E3	0	0	0	1.8E3	1.599	32284	12592	Sisma Y SLV	0	1.2E3	0	0	1.8E3	1.599
32285	12592	Sisma X SLO	629.8	0	0	0	1.8E3	1.599	32286	12592	Sisma Y SLO	0	629.8	0	0	1.8E3	1.599
32287	12592	Sisma X SLD	522.8	0	0	0	1.8E3	1.599	32288	12592	Sisma Y SLD	0	522.8	0	0	1.8E3	1.599
32289	12593	Sisma X SLV	70.4	0	0	0	1.1E2	1.599	32290	12593	Sisma Y SLV	0	70.4	0	0	1.1E2	1.599
32291	12593	Sisma X SLO	37.5	0	0	0	1.1E2	1.599	32292	12593	Sisma Y SLO	0	37.5	0	0	1.1E2	1.599
32293	12593	Sisma X SLD	31.2	0	0	0	1.1E2	1.599	32294	12593	Sisma Y SLD	0	31.2	0	0	1.1E2	1.599
32295	12594	Sisma X SLV	64.9	0	0	0	1.0E2	1.599	32296	12594	Sisma Y SLV	0	64.9	0	0	1.0E2	1.599
32297	12594	Sisma X SLO	34.6	0	0	0	1.0E2	1.599	32298	12594	Sisma Y SLO	0	34.6	0	0	1.0E2	1.599
32299	12594	Sisma X SLD	28.7	0	0	0	1.0E2	1.599	32300	12594	Sisma Y SLD	0	28.7	0	0	1.0E2	1.599
32301	12595	Sisma X SLV	62.2	0	0	0	9.7E1	1.599	32302	12595	Sisma Y SLV	0	62.2	0	0	9.7E1	1.599
32303	12595	Sisma X SLO	33.2	0	0	0	9.7E1	1.599	32304	12595	Sisma Y SLO	0	33.2	0	0	9.7E1	1.599
32305	12595	Sisma X SLD	27.5	0	0	0	9.7E1	1.599	32306	12595	Sisma Y SLD	0	27.5	0	0	9.7E1	1.599
32307	12596	Sisma X SLV	61.3	0	0	0	9.6E1	1.599	32308	12596	Sisma Y SLV	0	61.3	0	0	9.6E1	1.599
32309	12596	Sisma X SLO	32.7	0	0	0	9.6E1	1.599	32310	12596	Sisma Y SLO	0	32.7	0	0	9.6E1	1.599
32311	12596	Sisma X SLD	27.1	0	0	0	9.6E1	1.599	32312	12596	Sisma Y SLD	0	27.1	0	0	9.6E1	1.599

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
32313	12597	Sisma X SLV	61.5	0	0	0	96.24	1.599	32314	12597	Sisma Y SLV	0	61.5	0	0	96.24	1.599
32315	12597	Sisma X SLO	32.8	0	0	0	96.24	1.599	32316	12597	Sisma Y SLO	0	32.8	0	0	96.24	1.599
32317	12597	Sisma X SLD	27.2	0	0	0	96.24	1.599	32318	12597	Sisma Y SLD	0	27.2	0	0	96.24	1.599
32319	12598	Sisma X SLV	62.1	0	0	0	97.2	1.599	32320	12598	Sisma Y SLV	0	62.1	0	0	97.2	1.599
32321	12598	Sisma X SLO	33.1	0	0	0	97.2	1.599	32322	12598	Sisma Y SLO	0	33.1	0	0	97.2	1.599
32323	12598	Sisma X SLD	27.5	0	0	0	97.2	1.599	32324	12598	Sisma Y SLD	0	27.5	0	0	97.2	1.599
32325	12599	Sisma X SLV	63.8	0	0	0	1.0E2	1.599	32326	12599	Sisma Y SLV	0	63.8	0	0	1.0E2	1.599
32327	12599	Sisma X SLO	34	0	0	0	1.0E2	1.599	32328	12599	Sisma Y SLO	0	34	0	0	1.0E2	1.599
32329	12599	Sisma X SLD	28.3	0	0	0	1.0E2	1.599	32330	12599	Sisma Y SLD	0	28.3	0	0	1.0E2	1.599
32331	12600	Sisma X SLV	65.1	0	0	0	1.0E2	1.599	32332	12600	Sisma Y SLV	0	65.1	0	0	1.0E2	1.599
32333	12600	Sisma X SLO	34.7	0	0	0	1.0E2	1.599	32334	12600	Sisma Y SLO	0	34.7	0	0	1.0E2	1.599
32335	12600	Sisma X SLD	28.8	0	0	0	1.0E2	1.599	32336	12600	Sisma Y SLD	0	28.8	0	0	1.0E2	1.599
32337	12601	Sisma X SLV	615.1	0	0	0	9.6E2	1.599	32338	12601	Sisma Y SLV	0	615.1	0	0	9.6E2	1.599
32339	12601	Sisma X SLO	327.9	0	0	0	9.6E2	1.599	32340	12601	Sisma Y SLO	0	327.9	0	0	9.6E2	1.599
32341	12601	Sisma X SLD	272.2	0	0	0	9.6E2	1.599	32342	12601	Sisma Y SLD	0	272.2	0	0	9.6E2	1.599
32343	12602	Sisma X SLV	63.8	0	0	0	1.0E2	1.599	32344	12602	Sisma Y SLV	0	63.8	0	0	1.0E2	1.599
32345	12602	Sisma X SLO	34	0	0	0	1.0E2	1.599	32346	12602	Sisma Y SLO	0	34	0	0	1.0E2	1.599
32347	12602	Sisma X SLD	28.2	0	0	0	1.0E2	1.599	32348	12602	Sisma Y SLD	0	28.2	0	0	1.0E2	1.599
32349	12603	Sisma X SLV	63.1	0	0	0	9.9E1	1.599	32350	12603	Sisma Y SLV	0	63.1	0	0	9.9E1	1.599
32351	12603	Sisma X SLO	33.6	0	0	0	9.9E1	1.599	32352	12603	Sisma Y SLO	0	33.6	0	0	9.9E1	1.599
32353	12603	Sisma X SLD	27.9	0	0	0	9.9E1	1.599	32354	12603	Sisma Y SLD	0	27.9	0	0	9.9E1	1.599
32355	12604	Sisma X SLV	62.7	0	0	0	9.8E1	1.599	32356	12604	Sisma Y SLV	0	62.7	0	0	9.8E1	1.599
32357	12604	Sisma X SLO	33.4	0	0	0	9.8E1	1.599	32358	12604	Sisma Y SLO	0	33.4	0	0	9.8E1	1.599
32359	12604	Sisma X SLD	27.7	0	0	0	9.8E1	1.599	32360	12604	Sisma Y SLD	0	27.7	0	0	9.8E1	1.599
32361	12605	Sisma X SLV	62	0	0	0	9.7E1	1.599	32362	12605	Sisma Y SLV	0	62	0	0	9.7E1	1.599
32363	12605	Sisma X SLO	33.1	0	0	0	9.7E1	1.599	32364	12605	Sisma Y SLO	0	33.1	0	0	9.7E1	1.599
32365	12605	Sisma X SLD	27.5	0	0	0	9.7E1	1.599	32366	12605	Sisma Y SLD	0	27.5	0	0	9.7E1	1.599
32367	12606	Sisma X SLV	61	0	0	0	9.5E1	1.599	32368	12606	Sisma Y SLV	0	61	0	0	9.5E1	1.599
32369	12606	Sisma X SLO	32.5	0	0	0	9.5E1	1.599	32370	12606	Sisma Y SLO	0	32.5	0	0	9.5E1	1.599
32371	12606	Sisma X SLD	27	0	0	0	9.5E1	1.599	32372	12606	Sisma Y SLD	0	27	0	0	9.5E1	1.599
32373	12607	Sisma X SLV	60.8	0	0	0	9.5E1	1.599	32374	12607	Sisma Y SLV	0	60.8	0	0	9.5E1	1.599
32375	12607	Sisma X SLO	32.4	0	0	0	9.5E1	1.599	32376	12607	Sisma Y SLO	0	32.4	0	0	9.5E1	1.599
32377	12607	Sisma X SLD	26.9	0	0	0	9.5E1	1.599	32378	12607	Sisma Y SLD	0	26.9	0	0	9.5E1	1.599
32379	12608	Sisma X SLV	60.7	0	0	0	94.97	1.599	32380	12608	Sisma Y SLV	0	60.7	0	0	94.97	1.599
32381	12608	Sisma X SLO	32.4	0	0	0	94.97	1.599	32382	12608	Sisma Y SLO	0	32.4	0	0	94.97	1.599
32383	12608	Sisma X SLD	26.9	0	0	0	94.97	1.599	32384	12608	Sisma Y SLD	0	26.9	0	0	94.97	1.599
32385	12609	Sisma X SLV	60.8	0	0	0	9.5E1	1.599	32386	12609	Sisma Y SLV	0	60.8	0	0	9.5E1	1.599
32387	12609	Sisma X SLO	32.4	0	0	0	9.5E1	1.599	32388	12609	Sisma Y SLO	0	32.4	0	0	9.5E1	1.599
32389	12609	Sisma X SLD	26.9	0	0	0	9.5E1	1.599	32390	12609	Sisma Y SLD	0	26.9	0	0	9.5E1	1.599
32391	12610	Sisma X SLV	1.2E3	0	0	0	1.8E3	1.599	32392	12610	Sisma Y SLV	0	1.2E3	0	0	1.8E3	1.599
32393	12610	Sisma X SLO	625.6	0	0	0	1.8E3	1.599	32394	12610	Sisma Y SLO	0	625.6	0	0	1.8E3	1.599
32395	12610	Sisma X SLD	519.3	0	0	0	1.8E3	1.599	32396	12610	Sisma Y SLD	0	519.3	0	0	1.8E3	1.599
32397	12611	Sisma X SLV	60.3	0	0	0	9.4E1	1.599	32398	12611	Sisma Y SLV	0	60.3	0	0	9.4E1	1.599
32399	12611	Sisma X SLO	32.1	0	0	0	9.4E1	1.599	32400	12611	Sisma Y SLO	0	32.1	0	0	9.4E1	1.599
32401	12611	Sisma X SLD	26.7	0	0	0	9.4E1	1.599	32402	12611	Sisma Y SLD	0	26.7	0	0	9.4E1	1.599
32403	12612	Sisma X SLV	59.4	0	0	0	9.3E1	1.599	32404	12612	Sisma Y SLV	0	59.4	0	0	9.3E1	1.599
32405	12612	Sisma X SLO	31.7	0	0	0	9.3E1	1.599	32406	12612	Sisma Y SLO	0	31.7	0	0	9.3E1	1.599
32407	12612	Sisma X SLD	26.3	0	0	0	9.3E1	1.599	32408	12612	Sisma Y SLD	0	26.3	0	0	9.3E1	1.599
32409	12613	Sisma X SLV	59.5	0	0	0	93.1	1.599	32410	12613	Sisma Y SLV	0	59.5	0	0	93.1	1.599
32411	12613	Sisma X SLO	31.7	0	0	0	93.1	1.599	32412	12613	Sisma Y SLO	0	31.7	0	0	93.1	1.599
32413	12613	Sisma X SLD	26.3	0	0	0	93.1	1.599	32414	12613	Sisma Y SLD	0	26.3	0	0	93.1	1.599
32415	12614	Sisma X SLV	59.8	0	0	0	9.4E1	1.599	32416	12614	Sisma Y SLV	0	59.8	0	0	9.4E1	1.599
32417	12614	Sisma X SLO	31.9	0	0	0	9.4E1	1.599	32418	12614	Sisma Y SLO	0	31.9	0	0	9.4E1	1.599
32419	12614	Sisma X SLD	26.5	0	0	0	9.4E1	1.599	32420	12614	Sisma Y SLD	0	26.5	0	0	9.4E1	1.599
32421	12615	Sisma X SLV	60.7	0	0	0	9.5E1	1.599	32422	12615	Sisma Y SLV	0	60.7	0	0	9.5E1	1.599
32423	12615	Sisma X SLO	32.3	0	0	0	9.5E1	1.599	32424	12615	Sisma Y SLO	0	32.3	0	0	9.5E1	1.599
32425	12615	Sisma X SLD	26.8	0	0	0	9.5E1	1.599	32426	12615	Sisma Y SLD	0	26.8	0	0	9.5E1	1.599
32427	12616	Sisma X SLV	63.2	0	0	0	9.9E1	1.599	32428	12616	Sisma Y SLV	0	63.2	0	0	9.9E1	1.599
32429	12616	Sisma X SLO	33.7	0	0	0	9.9E1	1.599	32430	12616	Sisma Y SLO	0	33.7	0	0	9.9E1	1.599
32431	12616	Sisma X SLD	28	0	0	0	9.9E1	1.599	32432	12616	Sisma Y SLD	0	28	0	0	9.9E1	1.599
32433	12617	Sisma X SLV	66.1	0	0	0	1.0E2	1.599	32434	12617	Sisma Y SLV	0	66.1	0	0	1.0E2	1.599
32435	12617	Sisma X SLO	35.3	0	0	0	1.0E2	1.599	32436	12617	Sisma Y SLO	0	35.3	0	0	1.0E2	1.599
32437	12617	Sisma X SLD	29.3	0	0	0	1.0E2	1.599	32438	12617	Sisma Y SLD	0	29.3	0	0	1.0E2	1.599
32439	12618	Sisma X SLV	1.6E3	0	0	0	2.5E3	1.599	32440	12618	Sisma Y SLV	0	1.6E3	0	0	2.5E3	1.599
32441	12618	Sisma X SLO	843.6	0	0	0	2.5E3	1.599	32442	12618	Sisma Y SLO	0	843.6	0	0	2.5E3	1.599
32443	12618	Sisma X SLD	700.2	0	0	0	2.5E3	1.599	32444	12618	Sisma Y SLD	0	700.2	0	0	2.5E3	1.599
32445	12619	Sisma X SLV	67.6	0	0	0	1.1E2	1.599	32446	12619	Sisma Y SLV	0	67.6	0	0	1.1E2	1.599
32447	12619	Sisma X SLO	36	0	0	0	1.1E2	1.599	32448	12619	Sisma Y SLO	0	36	0	0	1.1E2	1.599
32449	12619	Sisma X SLD	29.9	0	0	0	1.1E2	1.599	32450	12619	Sisma Y SLD	0	29.9	0	0	1.1E2	1.599
32451	12620	Sisma X SLV	66.5	0	0	0	1.0E2	1.599	32452	12620	Sisma Y SLV	0	66.5	0	0	1.0E2	1.599
32453	12620	Sisma X SLO	35.5	0	0	0	1.0E2	1.599	32454	12620	Sisma Y SLO	0	35.5	0	0	1.0E2	1.599
32455	12620	Sisma X SLD	29.4	0	0	0	1.0E2	1.599	32456	12620	Sisma Y SLD	0	29.4	0	0	1.0E2	1.599
32457	12621	Sisma X SLV	61.7	0	0	0	9.7E1	1.599	32458	12621	Sisma Y SLV	0	61.7	0	0	9.7E1	1.599
32459	12621	Sisma X SLO	32.9	0	0	0	9.7E1	1.599	32460	12621	Sisma Y SLO	0	32.9	0	0	9.7E1	1.599
32461	12621	Sisma X SLD	27.3	0	0	0	9.7E1	1.599	32462	12621	Sisma Y SLD	0	27.3	0	0	9.7E1	1.599
32463	12622	Sisma X SLV	60.7	0	0	0	9.5E1	1.599	32464	12622	Sisma Y SLV	0	60.7	0	0	9.5E1	1.599
32465	12622	Sisma X SLO	32.4	0	0	0	9.5E1	1.599	32466	12622	Sisma Y SLO	0	32.4	0	0	9.5E1	1.599
32467	12622	Sisma X SLD	26.9	0	0	0	9.5E1	1.599	32468	12622	Sisma Y SLD	0	26.9	0	0	9.5E1	1.599
32469	12623	Sisma X SLV	60.3	0	0	0	9.4E1	1.599	32470	12623	Sisma Y SLV	0	60.3	0	0	9.4E1	1.599
32471	12623	Sisma X SLO	32.2	0	0	0	9.4E1	1.599	32472	12623	Sisma Y SLO	0	32.2	0	0	9.4E1	1.599
32473	12623	Sisma X SLD	26.7	0	0	0	9.4E1	1.599	32474	12623	Sisma Y SLD	0	26.7	0	0	9.4E1	1.599
32475	12624	Sisma X SLV	61.8	0	0	0	9.7E1	1.599	32476	12624	Sisma Y SLV	0	61.8	0	0	9.7E1	1.599
32477	12624	Sisma X SLO	32.9	0	0	0	9.7E1	1.599	32478	12624	Sisma Y SLO	0	32.9	0	0	9.7E1	1.599
32479	12624	Sisma X SLD	27.3	0	0	0	9.7E1	1.599	32480	12624	Sisma Y SLD	0	27.3	0	0	9.7E1	1.599
32481	12625	Sisma X SLV	67.1	0	0	0	1.1E2	1.599	32482	12625	Sisma Y SLV	0	67.1	0	0	1.1E2	1.599
32483	12625	Sisma X SLO	35.8	0	0	0	1.1E2	1.599	32484	12625	Sisma Y SLO	0	35.8	0	0	1.1E2	1.599
32485	12625	Sisma X SLD	29.7	0	0	0	1.1E2	1.599	32486	12625	Sisma Y SLD	0	29.7	0	0	1.1E2	1.599
32487	12626	Sisma X SLV	77.7	0	0	0	1.2E2	1.599	32488	12626	Sisma Y SLV	0	77.7	0	0	1.2E2	1.599
32489	12626	Sisma X SLO	41.4	0	0	0	1.2E2	1.599	32490	12626	Sisma Y SLO	0	41.4	0	0	1.2E2	1.599
32491	12626	Sisma X SLD	34.4	0	0	0	1.2E2	1.599	32492	12626	Sisma Y SLD	0	34.4	0	0	1.2E2	1.599
32493	12627	Sisma X SLV	64.4	0	0	0	1.0E2	1.599	32494	12627	Sisma Y SLV	0	64.4	0	0	1.0E2	1.599
32495	12627	Sisma X SLO	34.4	0	0	0	1.0E2	1.599	32496	12627	Sisma Y SLO	0	34.4	0	0	1.0E2	1.599
32497	12627	Sisma X SLD	28.5	0	0	0	1.0E2	1.599	32498	12627	Sisma Y SLD	0	28.5	0	0	1.0E2	1.599
32499	12628	Sisma X SLV	536.8	0	0	0	840	1.599	32500	12628	Sisma Y SLV	0	536.8	0	0	840	1.599
32501	12628	Sisma X SLO	286.2	0	0	0	840	1.599	32502	12628	Sisma Y SLO	0	286.2	0	0	840	1.599
32503	12628	Sisma X SLD	237.5	0	0	0	840	1.599	32504	12628	Sisma Y SLD	0	237.5	0	0	840	1.599
32505	12629	Sisma X SLV	536.8	0	0	0	840	1.599	32506	12629	Sisma Y SLV	0	536.8	0	0	840	1.599
32507	12629	Sisma X SLO	286.2	0	0	0	840	1.599	32508	12629	Sisma Y SLO	0	286.2	0	0	840	1.599
32509	12629	Sisma X SLD	237.5	0	0	0	840	1.599	32510	12629	Sisma Y SLD	0	237.5	0	0	840	1.599
32511	12630	Sisma X SLV	536.8	0	0	0	840	1.599	32512	12630	Sisma Y SLV	0	536.8	0	0	840	1.599

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
32513	12630	Sisma X SLO	286.2	0	0	0	840	1.599	32514	12630	Sisma Y SLO	0	286.2	0	0	840	1.599
32515	12630	Sisma X SLD	237.5	0	0	0	840	1.599	32516	12630	Sisma Y SLD	0	237.5	0	0	840	1.599
32517	12631	Sisma X SLV	536.8	0	0	0	840	1.599	32518	12631	Sisma Y SLV	0	536.8	0	0	840	1.599
32519	12631	Sisma X SLO	286.2	0	0	0	840	1.599	32520	12631	Sisma Y SLO	0	286.2	0	0	840	1.599
32521	12631	Sisma X SLD	237.5	0	0	0	840	1.599	32522	12631	Sisma Y SLD	0	237.5	0	0	840	1.599
32523	12632	Sisma X SLV	536.8	0	0	0	840	1.599	32524	12632	Sisma Y SLV	0	536.8	0	0	840	1.599
32525	12632	Sisma X SLO	286.2	0	0	0	840	1.599	32526	12632	Sisma Y SLO	0	286.2	0	0	840	1.599
32527	12632	Sisma X SLD	237.5	0	0	0	840	1.599	32528	12632	Sisma Y SLD	0	237.5	0	0	840	1.599
32529	12633	Sisma X SLV	536.8	0	0	0	840	1.599	32530	12633	Sisma Y SLV	0	536.8	0	0	840	1.599
32531	12633	Sisma X SLO	286.2	0	0	0	840	1.599	32532	12633	Sisma Y SLO	0	286.2	0	0	840	1.599
32533	12633	Sisma X SLD	237.5	0	0	0	840	1.599	32534	12633	Sisma Y SLD	0	237.5	0	0	840	1.599
32535	12634	Sisma X SLV	536.8	0	0	0	840	1.599	32536	12634	Sisma Y SLV	0	536.8	0	0	840	1.599
32537	12634	Sisma X SLO	286.2	0	0	0	840	1.599	32538	12634	Sisma Y SLO	0	286.2	0	0	840	1.599
32539	12634	Sisma X SLD	237.5	0	0	0	840	1.599	32540	12634	Sisma Y SLD	0	237.5	0	0	840	1.599
32541	12635	Sisma X SLV	536.8	0	0	0	840	1.599	32542	12635	Sisma Y SLV	0	536.8	0	0	840	1.599
32543	12635	Sisma X SLO	286.2	0	0	0	840	1.599	32544	12635	Sisma Y SLO	0	286.2	0	0	840	1.599
32545	12635	Sisma X SLD	237.5	0	0	0	840	1.599	32546	12635	Sisma Y SLD	0	237.5	0	0	840	1.599
32547	12636	Sisma X SLV	536.8	0	0	0	840	1.599	32548	12636	Sisma Y SLV	0	536.8	0	0	840	1.599
32549	12636	Sisma X SLO	286.2	0	0	0	840	1.599	32550	12636	Sisma Y SLO	0	286.2	0	0	840	1.599
32551	12636	Sisma X SLD	237.5	0	0	0	840	1.599	32552	12636	Sisma Y SLD	0	237.5	0	0	840	1.599
32553	12637	Sisma X SLV	536.8	0	0	0	840	1.599	32554	12637	Sisma Y SLV	0	536.8	0	0	840	1.599
32555	12637	Sisma X SLO	286.2	0	0	0	840	1.599	32556	12637	Sisma Y SLO	0	286.2	0	0	840	1.599
32557	12637	Sisma X SLD	237.5	0	0	0	840	1.599	32558	12637	Sisma Y SLD	0	237.5	0	0	840	1.599
32559	12638	Sisma X SLV	536.8	0	0	0	840	1.599	32560	12638	Sisma Y SLV	0	536.8	0	0	840	1.599
32561	12638	Sisma X SLO	286.2	0	0	0	840	1.599	32562	12638	Sisma Y SLO	0	286.2	0	0	840	1.599
32563	12638	Sisma X SLD	237.5	0	0	0	840	1.599	32564	12638	Sisma Y SLD	0	237.5	0	0	840	1.599
32565	12639	Sisma X SLV	20.4	0	0	0	3.2E1	1.599	32566	12639	Sisma Y SLV	0	20.4	0	0	3.2E1	1.599
32567	12639	Sisma X SLO	10.9	0	0	0	3.2E1	1.599	32568	12639	Sisma Y SLO	0	10.9	0	0	3.2E1	1.599
32569	12639	Sisma X SLD	9	0	0	0	3.2E1	1.599	32570	12639	Sisma Y SLD	0	9	0	0	3.2E1	1.599
32571	12640	Sisma X SLV	1.7E3	0	0	0	2.6E3	1.599	32572	12640	Sisma Y SLV	0	1.7E3	0	0	2.6E3	1.599
32573	12640	Sisma X SLO	895.9	0	0	0	2.6E3	1.599	32574	12640	Sisma Y SLO	0	895.9	0	0	2.6E3	1.599
32575	12640	Sisma X SLD	743.7	0	0	0	2.6E3	1.599	32576	12640	Sisma Y SLD	0	743.7	0	0	2.6E3	1.599
32577	12641	Sisma X SLV	1.4E3	0	0	0	2.2E3	1.599	32578	12641	Sisma Y SLV	0	1.4E3	0	0	2.2E3	1.599
32579	12641	Sisma X SLO	733.3	0	0	0	2.2E3	1.599	32580	12641	Sisma Y SLO	0	733.3	0	0	2.2E3	1.599
32581	12641	Sisma X SLD	608.7	0	0	0	2.2E3	1.599	32582	12641	Sisma Y SLD	0	608.7	0	0	2.2E3	1.599
32583	12642	Sisma X SLV	760.4	0	0	0	1190	1.599	32584	12642	Sisma Y SLV	0	760.4	0	0	1190	1.599
32585	12642	Sisma X SLO	405.4	0	0	0	1190	1.599	32586	12642	Sisma Y SLO	0	405.4	0	0	1190	1.599
32587	12642	Sisma X SLD	336.5	0	0	0	1190	1.599	32588	12642	Sisma Y SLD	0	336.5	0	0	1190	1.599
32589	12643	Sisma X SLV	1.9E3	0	0	0	3.0E3	1.599	32590	12643	Sisma Y SLV	0	1.9E3	0	0	3.0E3	1.599
32591	12643	Sisma X SLO	1.0E3	0	0	0	3.0E3	1.599	32592	12643	Sisma Y SLO	0	1.0E3	0	0	3.0E3	1.599
32593	12643	Sisma X SLD	857.3	0	0	0	3.0E3	1.599	32594	12643	Sisma Y SLD	0	857.3	0	0	3.0E3	1.599
32595	12644	Sisma X SLV	402.6	0	0	0	630	1.599	32596	12644	Sisma Y SLV	0	402.6	0	0	630	1.599
32597	12644	Sisma X SLO	214.6	0	0	0	630	1.599	32598	12644	Sisma Y SLO	0	214.6	0	0	630	1.599
32599	12644	Sisma X SLD	178.2	0	0	0	630	1.599	32600	12644	Sisma Y SLD	0	178.2	0	0	630	1.599
32601	12645	Sisma X SLV	2.4E3	0	0	0	3.8E3	1.599	32602	12645	Sisma Y SLV	0	2.4E3	0	0	3.8E3	1.599
32603	12645	Sisma X SLO	1.3E3	0	0	0	3.8E3	1.599	32604	12645	Sisma Y SLO	0	1.3E3	0	0	3.8E3	1.599
32605	12645	Sisma X SLD	1.1E3	0	0	0	3.8E3	1.599	32606	12645	Sisma Y SLD	0	1.1E3	0	0	3.8E3	1.599
32607	12646	Sisma X SLV	1.6E3	0	0	0	2.5E3	1.599	32608	12646	Sisma Y SLV	0	1.6E3	0	0	2.5E3	1.599
32609	12646	Sisma X SLO	850.1	0	0	0	2.5E3	1.599	32610	12646	Sisma Y SLO	0	850.1	0	0	2.5E3	1.599
32611	12646	Sisma X SLD	705.6	0	0	0	2.5E3	1.599	32612	12646	Sisma Y SLD	0	705.6	0	0	2.5E3	1.599
32613	12647	Sisma X SLV	50	0	0	0	7.8E1	1.599	32614	12647	Sisma Y SLV	0	50	0	0	7.8E1	1.599
32615	12647	Sisma X SLO	26.7	0	0	0	7.8E1	1.599	32616	12647	Sisma Y SLO	0	26.7	0	0	7.8E1	1.599
32617	12647	Sisma X SLD	22.1	0	0	0	7.8E1	1.599	32618	12647	Sisma Y SLD	0	22.1	0	0	7.8E1	1.599
32619	12648	Sisma X SLV	50	0	0	0	7.8E1	1.599	32620	12648	Sisma Y SLV	0	50	0	0	7.8E1	1.599
32621	12648	Sisma X SLO	26.6	0	0	0	7.8E1	1.599	32622	12648	Sisma Y SLO	0	26.6	0	0	7.8E1	1.599
32623	12648	Sisma X SLD	22.1	0	0	0	7.8E1	1.599	32624	12648	Sisma Y SLD	0	22.1	0	0	7.8E1	1.599
32625	12649	Sisma X SLV	977.7	0	0	0	1.5E3	1.599	32626	12649	Sisma Y SLV	0	977.7	0	0	1.5E3	1.599
32627	12649	Sisma X SLO	521.3	0	0	0	1.5E3	1.599	32628	12649	Sisma Y SLO	0	521.3	0	0	1.5E3	1.599
32629	12649	Sisma X SLD	432.7	0	0	0	1.5E3	1.599	32630	12649	Sisma Y SLD	0	432.7	0	0	1.5E3	1.599
32631	12650	Sisma X SLV	49.9	0	0	0	7.8E1	1.599	32632	12650	Sisma Y SLV	0	49.9	0	0	7.8E1	1.599
32633	12650	Sisma X SLO	26.6	0	0	0	7.8E1	1.599	32634	12650	Sisma Y SLO	0	26.6	0	0	7.8E1	1.599
32635	12650	Sisma X SLD	22.1	0	0	0	7.8E1	1.599	32636	12650	Sisma Y SLD	0	22.1	0	0	7.8E1	1.599
32637	12651	Sisma X SLV	49.9	0	0	0	7.8E1	1.599	32638	12651	Sisma Y SLV	0	49.9	0	0	7.8E1	1.599
32639	12651	Sisma X SLO	26.6	0	0	0	7.8E1	1.599	32640	12651	Sisma Y SLO	0	26.6	0	0	7.8E1	1.599
32641	12651	Sisma X SLD	22.1	0	0	0	7.8E1	1.599	32642	12651	Sisma Y SLD	0	22.1	0	0	7.8E1	1.599
32643	12652	Sisma X SLV	49.9	0	0	0	7.8E1	1.599	32644	12652	Sisma Y SLV	0	49.9	0	0	7.8E1	1.599
32645	12652	Sisma X SLO	26.6	0	0	0	7.8E1	1.599	32646	12652	Sisma Y SLO	0	26.6	0	0	7.8E1	1.599
32647	12652	Sisma X SLD	22.1	0	0	0	7.8E1	1.599	32648	12652	Sisma Y SLD	0	22.1	0	0	7.8E1	1.599
32649	12653	Sisma X SLV	50	0	0	0	7.8E1	1.599	32650	12653	Sisma Y SLV	0	50	0	0	7.8E1	1.599
32651	12653	Sisma X SLO	26.6	0	0	0	7.8E1	1.599	32652	12653	Sisma Y SLO	0	26.6	0	0	7.8E1	1.599
32653	12653	Sisma X SLD	22.1	0	0	0	7.8E1	1.599	32654	12653	Sisma Y SLD	0	22.1	0	0	7.8E1	1.599
32655	12654	Sisma X SLV	1.0E3	0	0	0	1.6E3	1.599	32656	12654	Sisma Y SLV	0	1.0E3	0	0	1.6E3	1.599
32657	12654	Sisma X SLO	539.6	0	0	0	1.6E3	1.599	32658	12654	Sisma Y SLO	0	539.6	0	0	1.6E3	1.599
32659	12654	Sisma X SLD	447.9	0	0	0	1.6E3	1.599	32660	12654	Sisma Y SLD	0	447.9	0	0	1.6E3	1.599
32661	12655	Sisma X SLV	536.8	0	0	0	840	1.599	32662	12655	Sisma Y SLV	0	536.8	0	0	840	1.599
32663	12655	Sisma X SLO	286.2	0	0	0	840	1.599	32664	12655	Sisma Y SLO	0	286.2	0	0	840	1.599
32665	12655	Sisma X SLD	237.5	0	0	0	840	1.599	32666	12655	Sisma Y SLD	0	237.5	0	0	840	1.599
32667	12656	Sisma X SLV	1.0E3	0	0	0	1.6E3	1.599	32668	12656	Sisma Y SLV	0	1.0E3	0	0	1.6E3	1.599
32669	12656	Sisma X SLO	539.6	0	0	0	1.6E3	1.599	32670	12656	Sisma Y SLO	0	539.6	0	0	1.6E3	1.599
32671	12656	Sisma X SLD	447.9	0	0	0	1.6E3	1.599	32672	12656	Sisma Y SLD	0	447.9	0	0	1.6E3	1.599
32673	12657	Sisma X SLV	5582	0	0	0	8.7E3	1.599	32674	12657	Sisma Y SLV	0	5582	0	0	8.7E3	1.599
32675	12657	Sisma X SLO	2976	0	0	0	8.7E3	1.599	32676	12657	Sisma Y SLO	0	2976	0	0	8.7E3	1.599
32677	12657	Sisma X SLD	2.5E3	0	0	0	8.7E3	1.599	32678	12657	Sisma Y SLD	0	2.5E3	0	0	8.7E3	1.599
32679	12658	Sisma X SLV	536.8	0	0	0	840	1.599	32680	12658	Sisma Y SLV	0	536.8	0	0	840	1.599
32681	12658	Sisma X SLO	286.2	0	0	0	840	1.599	32682	12658	Sisma Y SLO	0	286.2	0	0	840	1.599
32683	12658	Sisma X SLD	237.5	0	0	0	840	1.599	32684	12658	Sisma Y SLD	0	237.5	0	0	840	1.599
32685	12659	Sisma X SLV	2.5E3	0	0	0	4.0E3	1.599	32686	12659	Sisma Y SLV	0	2.5E3	0	0	4.0E3	1.599
32687	12659	Sisma X SLO	1.4E3	0	0	0	4.0E3	1.599	32688	12659	Sisma Y SLO	0	1.4E3	0	0	4.0E3	1.599
32689	12659	Sisma X SLD	1.1E3	0	0	0	4.0E3	1.599	32690	12659	Sisma Y SLD	0	1.1E3	0	0	4.0E3	1.599
32691	12660	Sisma X SLV	5.0E3	0	0	0	7.8E3	1.599	32692	12660	Sisma Y SLV	0	5.0E3	0	0	7.8E3	1.599
32693	12660	Sisma X SLO	2.7E3	0	0	0	7.8E3	1.599	32694	12660	Sisma Y SLO	0	2.7E3	0	0	7.8E3	1.599
32695	12660	Sisma X SLD	2.2E3	0	0	0	7.8E3	1.599	32696	12660	Sisma Y SLD	0	2.2E3	0	0	7.8E3	1.599
32697	12661	Sisma X SLV	1240	0	0	0	1.9E3	1.599	32698	12661	Sisma Y SLV	0	1240	0	0	1.9E3	1.599
32699	12661	Sisma X SLO	661.1	0	0	0	1.9E3	1.599	32700	12661	Sisma Y SLO	0	661.1	0	0	1.9E3	1.599
32701	12661	Sisma X SLD	548.8	0	0	0	1.9E3	1.599	32702	12661	Sisma Y SLD	0	548.8	0	0	1.9E3	1.599
32703	12662	Sisma X SLV	11.5	0	0	0	1.8E1	1.599	32704	12662	Sisma Y SLV	0	11.5	0	0	1.8E1	1.599
32705	12662	Sisma X SLO	6.2	0	0	0	1.8E1	1.599	32706	12662	Sisma Y SLO	0	6.2	0	0	1.8E1	1.599
32707	12662	Sisma X SLD	5.1	0	0	0	1.8E1	1.599	32708	12662	Sisma Y SLD	0	5.1	0	0	1.8E1	1.599
32709	12663	Sisma X SLV	1.4E3	0	0	0	2.1E3	1.599	32710	12663	Sisma Y SLV	0	1.4E3	0	0	2.1E3	1.599
32711	12663	Sisma X SLO	720.7	0	0	0	2.1E3	1.599	32712	12663	Sisma Y SLO	0	720.7	0	0	2.1E3	1.599

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
32713	12663	Sisma X SLD	598.2	0	0	0	2.1E3	1.599	32714	12663	Sisma Y SLD	0	598.2	0	0	2.1E3	1.599
32715	12664	Sisma X SLV	536.8	0	0	0	840	1.599	32716	12664	Sisma Y SLV	0	536.8	0	0	840	1.599
32717	12664	Sisma X SLO	286.2	0	0	0	840	1.599	32718	12664	Sisma Y SLO	0	286.2	0	0	840	1.599
32719	12664	Sisma X SLD	237.5	0	0	0	840	1.599	32720	12664	Sisma Y SLD	0	237.5	0	0	840	1.599
32721	12665	Sisma X SLV	567	0	0	0	8.9E2	1.599	32722	12665	Sisma Y SLV	0	567	0	0	8.9E2	1.599
32723	12665	Sisma X SLO	302.3	0	0	0	8.9E2	1.599	32724	12665	Sisma Y SLO	0	302.3	0	0	8.9E2	1.599
32725	12665	Sisma X SLD	250.9	0	0	0	8.9E2	1.599	32726	12665	Sisma Y SLD	0	250.9	0	0	8.9E2	1.599
32727	12666	Sisma X SLV	2.1E3	0	0	0	3.2E3	1.599	32728	12666	Sisma Y SLV	0	2.1E3	0	0	3.2E3	1.599
32729	12666	Sisma X SLO	1.1E3	0	0	0	3.2E3	1.599	32730	12666	Sisma Y SLO	0	1.1E3	0	0	3.2E3	1.599
32731	12666	Sisma X SLD	908	0	0	0	3.2E3	1.599	32732	12666	Sisma Y SLD	0	908	0	0	3.2E3	1.599
32733	12667	Sisma X SLV	1.0E3	0	0	0	1.6E3	1.599	32734	12667	Sisma Y SLV	0	1.0E3	0	0	1.6E3	1.599
32735	12667	Sisma X SLO	539.6	0	0	0	1.6E3	1.599	32736	12667	Sisma Y SLO	0	539.6	0	0	1.6E3	1.599
32737	12667	Sisma X SLD	447.9	0	0	0	1.6E3	1.599	32738	12667	Sisma Y SLD	0	447.9	0	0	1.6E3	1.599
32739	12668	Sisma X SLV	3.9E3	0	0	0	6.2E3	1.599	32740	12668	Sisma Y SLV	0	3.9E3	0	0	6.2E3	1.599
32741	12668	Sisma X SLO	2.1E3	0	0	0	6.2E3	1.599	32742	12668	Sisma Y SLO	0	2.1E3	0	0	6.2E3	1.599
32743	12668	Sisma X SLD	1.7E3	0	0	0	6.2E3	1.599	32744	12668	Sisma Y SLD	0	1.7E3	0	0	6.2E3	1.599
32745	12669	Sisma X SLV	20.4	0	0	0	3.2E1	1.599	32746	12669	Sisma Y SLV	0	20.4	0	0	3.2E1	1.599
32747	12669	Sisma X SLO	10.9	0	0	0	3.2E1	1.599	32748	12669	Sisma Y SLO	0	10.9	0	0	3.2E1	1.599
32749	12669	Sisma X SLD	9	0	0	0	3.2E1	1.599	32750	12669	Sisma Y SLD	0	9	0	0	3.2E1	1.599
32751	12670	Sisma X SLV	56	0	0	0	8.8E1	1.599	32752	12670	Sisma Y SLV	0	56	0	0	8.8E1	1.599
32753	12670	Sisma X SLO	29.8	0	0	0	8.8E1	1.599	32754	12670	Sisma Y SLO	0	29.8	0	0	8.8E1	1.599
32755	12670	Sisma X SLD	24.8	0	0	0	8.8E1	1.599	32756	12670	Sisma Y SLD	0	24.8	0	0	8.8E1	1.599
32757	12671	Sisma X SLV	273.2	0	0	0	4.3E2	1.599	32758	12671	Sisma Y SLV	0	273.2	0	0	4.3E2	1.599
32759	12671	Sisma X SLO	145.7	0	0	0	4.3E2	1.599	32760	12671	Sisma Y SLO	0	145.7	0	0	4.3E2	1.599
32761	12671	Sisma X SLD	120.9	0	0	0	4.3E2	1.599	32762	12671	Sisma Y SLD	0	120.9	0	0	4.3E2	1.599
32763	12672	Sisma X SLV	55.4	0	0	0	8.7E1	1.599	32764	12672	Sisma Y SLV	0	55.4	0	0	8.7E1	1.599
32765	12672	Sisma X SLO	29.5	0	0	0	8.7E1	1.599	32766	12672	Sisma Y SLO	0	29.5	0	0	8.7E1	1.599
32767	12672	Sisma X SLD	24.5	0	0	0	8.7E1	1.599	32768	12672	Sisma Y SLD	0	24.5	0	0	8.7E1	1.599
32769	12673	Sisma X SLV	55.4	0	0	0	8.7E1	1.599	32770	12673	Sisma Y SLV	0	55.4	0	0	8.7E1	1.599
32771	12673	Sisma X SLO	29.6	0	0	0	8.7E1	1.599	32772	12673	Sisma Y SLO	0	29.6	0	0	8.7E1	1.599
32773	12673	Sisma X SLD	24.5	0	0	0	8.7E1	1.599	32774	12673	Sisma Y SLD	0	24.5	0	0	8.7E1	1.599
32775	12674	Sisma X SLV	55.4	0	0	0	8.7E1	1.599	32776	12674	Sisma Y SLV	0	55.4	0	0	8.7E1	1.599
32777	12674	Sisma X SLO	29.5	0	0	0	8.7E1	1.599	32778	12674	Sisma Y SLO	0	29.5	0	0	8.7E1	1.599
32779	12674	Sisma X SLD	24.5	0	0	0	8.7E1	1.599	32780	12674	Sisma Y SLD	0	24.5	0	0	8.7E1	1.599
32781	12675	Sisma X SLV	3.0E3	0	0	0	4.7E3	1.599	32782	12675	Sisma Y SLV	0	3.0E3	0	0	4.7E3	1.599
32783	12675	Sisma X SLO	1.6E3	0	0	0	4.7E3	1.599	32784	12675	Sisma Y SLO	0	1.6E3	0	0	4.7E3	1.599
32785	12675	Sisma X SLD	1.3E3	0	0	0	4.7E3	1.599	32786	12675	Sisma Y SLD	0	1.3E3	0	0	4.7E3	1.599
32787	12676	Sisma X SLV	536.8	0	0	0	840	1.599	32788	12676	Sisma Y SLV	0	536.8	0	0	840	1.599
32789	12676	Sisma X SLO	286.2	0	0	0	840	1.599	32790	12676	Sisma Y SLO	0	286.2	0	0	840	1.599
32791	12676	Sisma X SLD	237.5	0	0	0	840	1.599	32792	12676	Sisma Y SLD	0	237.5	0	0	840	1.599
32793	12677	Sisma X SLV	554.7	0	0	0	8.7E2	1.599	32794	12677	Sisma Y SLV	0	554.7	0	0	8.7E2	1.599
32795	12677	Sisma X SLO	295.7	0	0	0	8.7E2	1.599	32796	12677	Sisma Y SLO	0	295.7	0	0	8.7E2	1.599
32797	12677	Sisma X SLD	245.5	0	0	0	8.7E2	1.599	32798	12677	Sisma Y SLD	0	245.5	0	0	8.7E2	1.599
32799	12678	Sisma X SLV	5498	0	0	0	8.6E3	1.599	32800	12678	Sisma Y SLV	0	5498	0	0	8.6E3	1.599
32801	12678	Sisma X SLO	2.9E3	0	0	0	8.6E3	1.599	32802	12678	Sisma Y SLO	0	2.9E3	0	0	8.6E3	1.599
32803	12678	Sisma X SLD	2.4E3	0	0	0	8.6E3	1.599	32804	12678	Sisma Y SLD	0	2.4E3	0	0	8.6E3	1.599
32805	12679	Sisma X SLV	564.7	0	0	0	8.8E2	1.599	32806	12679	Sisma Y SLV	0	564.7	0	0	8.8E2	1.599
32807	12679	Sisma X SLO	301.1	0	0	0	8.8E2	1.599	32808	12679	Sisma Y SLO	0	301.1	0	0	8.8E2	1.599
32809	12679	Sisma X SLD	249.9	0	0	0	8.8E2	1.599	32810	12679	Sisma Y SLD	0	249.9	0	0	8.8E2	1.599
32811	12680	Sisma X SLV	5.5E3	0	0	0	8.7E3	1.599	32812	12680	Sisma Y SLV	0	5.5E3	0	0	8.7E3	1.599
32813	12680	Sisma X SLO	2955	0	0	0	8.7E3	1.599	32814	12680	Sisma Y SLO	0	2955	0	0	8.7E3	1.599
32815	12680	Sisma X SLD	2.5E3	0	0	0	8.7E3	1.599	32816	12680	Sisma Y SLD	0	2.5E3	0	0	8.7E3	1.599
32817	12681	Sisma X SLV	536.8	0	0	0	840	1.599	32818	12681	Sisma Y SLV	0	536.8	0	0	840	1.599
32819	12681	Sisma X SLO	286.2	0	0	0	840	1.599	32820	12681	Sisma Y SLO	0	286.2	0	0	840	1.599
32821	12681	Sisma X SLD	237.5	0	0	0	840	1.599	32822	12681	Sisma Y SLD	0	237.5	0	0	840	1.599
32823	12682	Sisma X SLV	2.5E3	0	0	0	4.0E3	1.599	32824	12682	Sisma Y SLV	0	2.5E3	0	0	4.0E3	1.599
32825	12682	Sisma X SLO	1.3E3	0	0	0	4.0E3	1.599	32826	12682	Sisma Y SLO	0	1.3E3	0	0	4.0E3	1.599
32827	12682	Sisma X SLD	1.1E3	0	0	0	4.0E3	1.599	32828	12682	Sisma Y SLD	0	1.1E3	0	0	4.0E3	1.599
32829	12683	Sisma X SLV	53.2	0	0	0	8.3E1	1.599	32830	12683	Sisma Y SLV	0	53.2	0	0	8.3E1	1.599
32831	12683	Sisma X SLO	28.4	0	0	0	8.3E1	1.599	32832	12683	Sisma Y SLO	0	28.4	0	0	8.3E1	1.599
32833	12683	Sisma X SLD	23.5	0	0	0	8.3E1	1.599	32834	12683	Sisma Y SLD	0	23.5	0	0	8.3E1	1.599
32835	12684	Sisma X SLV	20.4	0	0	0	3.2E1	1.599	32836	12684	Sisma Y SLV	0	20.4	0	0	3.2E1	1.599
32837	12684	Sisma X SLO	10.9	0	0	0	3.2E1	1.599	32838	12684	Sisma Y SLO	0	10.9	0	0	3.2E1	1.599
32839	12684	Sisma X SLD	9	0	0	0	3.2E1	1.599	32840	12684	Sisma Y SLD	0	9	0	0	3.2E1	1.599
32841	12685	Sisma X SLV	591.4	0	0	0	9.3E2	1.599	32842	12685	Sisma Y SLV	0	591.4	0	0	9.3E2	1.599
32843	12685	Sisma X SLO	315.3	0	0	0	9.3E2	1.599	32844	12685	Sisma Y SLO	0	315.3	0	0	9.3E2	1.599
32845	12685	Sisma X SLD	261.7	0	0	0	9.3E2	1.599	32846	12685	Sisma Y SLD	0	261.7	0	0	9.3E2	1.599
32847	12686	Sisma X SLV	1.6E3	0	0	0	2.5E3	1.599	32848	12686	Sisma Y SLV	0	1.6E3	0	0	2.5E3	1.599
32849	12686	Sisma X SLO	843.6	0	0	0	2.5E3	1.599	32850	12686	Sisma Y SLO	0	843.6	0	0	2.5E3	1.599
32851	12686	Sisma X SLD	700.3	0	0	0	2.5E3	1.599	32852	12686	Sisma Y SLD	0	700.3	0	0	2.5E3	1.599
32853	12687	Sisma X SLV	20.4	0	0	0	3.2E1	1.599	32854	12687	Sisma Y SLV	0	20.4	0	0	3.2E1	1.599
32855	12687	Sisma X SLO	10.9	0	0	0	3.2E1	1.599	32856	12687	Sisma Y SLO	0	10.9	0	0	3.2E1	1.599
32857	12687	Sisma X SLD	9	0	0	0	3.2E1	1.599	32858	12687	Sisma Y SLD	0	9	0	0	3.2E1	1.599
32859	12688	Sisma X SLV	570.3	0	0	0	892.5	1.599	32860	12688	Sisma Y SLV	0	570.3	0	0	892.5	1.599
32861	12688	Sisma X SLO	304.1	0	0	0	892.5	1.599	32862	12688	Sisma Y SLO	0	304.1	0	0	892.5	1.599
32863	12688	Sisma X SLD	252.4	0	0	0	892.5	1.599	32864	12688	Sisma Y SLD	0	252.4	0	0	892.5	1.599
32865	12689	Sisma X SLV	20.4	0	0	0	3.2E1	1.599	32866	12689	Sisma Y SLV	0	20.4	0	0	3.2E1	1.599
32867	12689	Sisma X SLO	10.9	0	0	0	3.2E1	1.599	32868	12689	Sisma Y SLO	0	10.9	0	0	3.2E1	1.599
32869	12689	Sisma X SLD	9	0	0	0	3.2E1	1.599	32870	12689	Sisma Y SLD	0	9	0	0	3.2E1	1.599
32871	12690	Sisma X SLV	20.4	0	0	0	3.2E1	1.599	32872	12690	Sisma Y SLV	0	20.4	0	0	3.2E1	1.599
32873	12690	Sisma X SLO	10.9	0	0	0	3.2E1	1.599	32874	12690	Sisma Y SLO	0	10.9	0	0	3.2E1	1.599
32875	12690	Sisma X SLD	9	0	0	0	3.2E1	1.599	32876	12690	Sisma Y SLD	0	9	0	0	3.2E1	1.599
32877	12691	Sisma X SLV	1.6E3	0	0	0	2.5E3	1.599	32878	12691	Sisma Y SLV	0	1.6E3	0	0	2.5E3	1.599
32879	12691	Sisma X SLO	843.6	0	0	0	2.5E3	1.599	32880	12691	Sisma Y SLO	0	843.6	0	0	2.5E3	1.599
32881	12691	Sisma X SLD	700.3	0	0	0	2.5E3	1.599	32882	12691	Sisma Y SLD	0	700.3	0	0	2.5E3	1.599
32883	12692	Sisma X SLV	961.7	0	0	0	1505	1.599	32884	12692	Sisma Y SLV	0	961.7	0	0	1505	1.599
32885	12692	Sisma X SLO	512.7	0	0	0	1505	1.599	32886	12692	Sisma Y SLO	0	512.7	0	0	1505	1.599
32887	12692	Sisma X SLD	425.6	0	0	0	1505	1.599	32888	12692	Sisma Y SLD	0	425.6	0	0	1505	1.599
32889	12693	Sisma X SLV	20.4	0	0	0	3.2E1	1.599	32890	12693	Sisma Y SLV	0	20.4	0	0	3.2E1	1.599
32891	12693	Sisma X SLO	10.9	0	0	0	3.2E1	1.599	32892	12693	Sisma Y SLO	0	10.9	0	0	3.2E1	1.599
32893	12693	Sisma X SLD	9	0	0	0	3.2E1	1.599	32894	12693	Sisma Y SLD	0	9	0	0	3.2E1	1.599
32895	12694	Sisma X SLV	20.4	0	0	0	3.2E1	1.599	32896	12694	Sisma Y SLV	0	20.4	0	0	3.2E1	1.599
32897	12694	Sisma X SLO	10.9	0	0	0	3.2E1	1.599	32898	12694	Sisma Y SLO	0	10.9	0	0	3.2E1	1.599
32899	12694	Sisma X SLD	9	0	0	0	3.2E1	1.599	32900	12694	Sisma Y SLD	0	9	0	0	3.2E1	1.599
32901	12695	Sisma X SLV	1.6E3	0	0	0	2.5E3	1.599	32902	12695	Sisma Y SLV	0	1.6E3	0	0	2.5E3	1.599
32903	12695	Sisma X SLO	843.7	0	0	0	2.5E3	1.599	32904	12695	Sisma Y SLO	0	843.7	0	0	2.5E3	1.599
32905	12695	Sisma X SLD	700.3	0	0	0	2.5E3	1.599	32906	12695	Sisma Y SLD	0	700.3	0	0	2.5E3	1.599
32907	12696	Sisma X SLV	20.4	0	0	0	3.2E1	1.599	32908	12696	Sisma Y SLV	0	20.4	0	0	3.2E1	1.599
32909	12696	Sisma X SLO	10.9	0	0	0	3.2E1	1.599	32910	12696	Sisma Y SLO	0	10.9	0	0	3.2E1	1.599
32911	12696	Sisma X SLD	9	0	0	0	3.2E1	1.599	32912	12696	Sisma Y SLD	0	9	0	0	3.2E1	1.599

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
32913	12697	Sisma X SLV	592.7	0	0	0	927.5	1.599	32914	12697	Sisma Y SLV	0	592.7	0	0	927.5	1.599
32915	12697	Sisma X SLO	316	0	0	0	927.5	1.599	32916	12697	Sisma Y SLO	0	316	0	0	927.5	1.599
32917	12697	Sisma X SLD	262.3	0	0	0	927.5	1.599	32918	12697	Sisma Y SLD	0	262.3	0	0	927.5	1.599
32919	12698	Sisma X SLV	1.6E3	0	0	0	2.5E3	1.599	32920	12698	Sisma Y SLV	0	1.6E3	0	0	2.5E3	1.599
32921	12698	Sisma X SLO	854.5	0	0	0	2.5E3	1.599	32922	12698	Sisma Y SLO	0	854.5	0	0	2.5E3	1.599
32923	12698	Sisma X SLD	709.3	0	0	0	2.5E3	1.599	32924	12698	Sisma Y SLD	0	709.3	0	0	2.5E3	1.599
32925	12699	Sisma X SLV	1.6E3	0	0	0	2.5E3	1.599	32926	12699	Sisma Y SLV	0	1.6E3	0	0	2.5E3	1.599
32927	12699	Sisma X SLO	854.5	0	0	0	2.5E3	1.599	32928	12699	Sisma Y SLO	0	854.5	0	0	2.5E3	1.599
32929	12699	Sisma X SLD	709.3	0	0	0	2.5E3	1.599	32930	12699	Sisma Y SLD	0	709.3	0	0	2.5E3	1.599
32931	12700	Sisma X SLV	53	0	0	0	8.3E1	1.599	32932	12700	Sisma Y SLV	0	53	0	0	8.3E1	1.599
32933	12700	Sisma X SLO	28.3	0	0	0	8.3E1	1.599	32934	12700	Sisma Y SLO	0	28.3	0	0	8.3E1	1.599
32935	12700	Sisma X SLD	23.5	0	0	0	8.3E1	1.599	32936	12700	Sisma Y SLD	0	23.5	0	0	8.3E1	1.599
32937	12701	Sisma X SLV	52.8	0	0	0	8.3E1	1.599	32938	12701	Sisma Y SLV	0	52.8	0	0	8.3E1	1.599
32939	12701	Sisma X SLO	28.2	0	0	0	8.3E1	1.599	32940	12701	Sisma Y SLO	0	28.2	0	0	8.3E1	1.599
32941	12701	Sisma X SLD	23.4	0	0	0	8.3E1	1.599	32942	12701	Sisma Y SLD	0	23.4	0	0	8.3E1	1.599
32943	12702	Sisma X SLV	52.6	0	0	0	8.2E1	1.599	32944	12702	Sisma Y SLV	0	52.6	0	0	8.2E1	1.599
32945	12702	Sisma X SLO	28	0	0	0	8.2E1	1.599	32946	12702	Sisma Y SLO	0	28	0	0	8.2E1	1.599
32947	12702	Sisma X SLD	23.3	0	0	0	8.2E1	1.599	32948	12702	Sisma Y SLD	0	23.3	0	0	8.2E1	1.599
32949	12703	Sisma X SLV	52.2	0	0	0	8.2E1	1.599	32950	12703	Sisma Y SLV	0	52.2	0	0	8.2E1	1.599
32951	12703	Sisma X SLO	27.8	0	0	0	8.2E1	1.599	32952	12703	Sisma Y SLO	0	27.8	0	0	8.2E1	1.599
32953	12703	Sisma X SLD	23.1	0	0	0	8.2E1	1.599	32954	12703	Sisma Y SLD	0	23.1	0	0	8.2E1	1.599
32955	12704	Sisma X SLV	2354	0	0	0	3.7E3	1.599	32956	12704	Sisma Y SLV	0	2354	0	0	3.7E3	1.599
32957	12704	Sisma X SLO	1255	0	0	0	3.7E3	1.599	32958	12704	Sisma Y SLO	0	1255	0	0	3.7E3	1.599
32959	12704	Sisma X SLD	1.0E3	0	0	0	3.7E3	1.599	32960	12704	Sisma Y SLD	0	1.0E3	0	0	3.7E3	1.599
32961	12705	Sisma X SLV	536.8	0	0	0	840	1.599	32962	12705	Sisma Y SLV	0	536.8	0	0	840	1.599
32963	12705	Sisma X SLO	286.2	0	0	0	840	1.599	32964	12705	Sisma Y SLO	0	286.2	0	0	840	1.599
32965	12705	Sisma X SLD	237.5	0	0	0	840	1.599	32966	12705	Sisma Y SLD	0	237.5	0	0	840	1.599
32967	12706	Sisma X SLV	1.2E3	0	0	0	1.9E3	1.599	32968	12706	Sisma Y SLV	0	1.2E3	0	0	1.9E3	1.599
32969	12706	Sisma X SLO	653.4	0	0	0	1.9E3	1.599	32970	12706	Sisma Y SLO	0	653.4	0	0	1.9E3	1.599
32971	12706	Sisma X SLD	542.3	0	0	0	1.9E3	1.599	32972	12706	Sisma Y SLD	0	542.3	0	0	1.9E3	1.599
32973	12707	Sisma X SLV	536.8	0	0	0	840	1.599	32974	12707	Sisma Y SLV	0	536.8	0	0	840	1.599
32975	12707	Sisma X SLO	286.2	0	0	0	840	1.599	32976	12707	Sisma Y SLO	0	286.2	0	0	840	1.599
32977	12707	Sisma X SLD	237.5	0	0	0	840	1.599	32978	12707	Sisma Y SLD	0	237.5	0	0	840	1.599
32979	12708	Sisma X SLV	1228	0	0	0	1.9E3	1.599	32980	12708	Sisma Y SLV	0	1228	0	0	1.9E3	1.599
32981	12708	Sisma X SLO	654.7	0	0	0	1.9E3	1.599	32982	12708	Sisma Y SLO	0	654.7	0	0	1.9E3	1.599
32983	12708	Sisma X SLD	543.4	0	0	0	1.9E3	1.599	32984	12708	Sisma Y SLD	0	543.4	0	0	1.9E3	1.599
32985	12709	Sisma X SLV	536.8	0	0	0	840	1.599	32986	12709	Sisma Y SLV	0	536.8	0	0	840	1.599
32987	12709	Sisma X SLO	286.2	0	0	0	840	1.599	32988	12709	Sisma Y SLO	0	286.2	0	0	840	1.599
32989	12709	Sisma X SLD	237.5	0	0	0	840	1.599	32990	12709	Sisma Y SLD	0	237.5	0	0	840	1.599
32991	12710	Sisma X SLV	1.2E3	0	0	0	1.8E3	1.599	32992	12710	Sisma Y SLV	0	1.2E3	0	0	1.8E3	1.599
32993	12710	Sisma X SLO	623.9	0	0	0	1.8E3	1.599	32994	12710	Sisma Y SLO	0	623.9	0	0	1.8E3	1.599
32995	12710	Sisma X SLD	517.9	0	0	0	1.8E3	1.599	32996	12710	Sisma Y SLD	0	517.9	0	0	1.8E3	1.599
32997	12711	Sisma X SLV	536.8	0	0	0	840	1.599	32998	12711	Sisma Y SLV	0	536.8	0	0	840	1.599
32999	12711	Sisma X SLO	286.2	0	0	0	840	1.599	33000	12711	Sisma Y SLO	0	286.2	0	0	840	1.599
33001	12711	Sisma X SLD	237.5	0	0	0	840	1.599	33002	12711	Sisma Y SLD	0	237.5	0	0	840	1.599
33003	12712	Sisma X SLV	1.2E3	0	0	0	1.8E3	1.599	33004	12712	Sisma Y SLV	0	1.2E3	0	0	1.8E3	1.599
33005	12712	Sisma X SLO	626.8	0	0	0	1.8E3	1.599	33006	12712	Sisma Y SLO	0	626.8	0	0	1.8E3	1.599
33007	12712	Sisma X SLD	520.3	0	0	0	1.8E3	1.599	33008	12712	Sisma Y SLD	0	520.3	0	0	1.8E3	1.599
33009	12713	Sisma X SLV	536.8	0	0	0	840	1.599	33010	12713	Sisma Y SLV	0	536.8	0	0	840	1.599
33011	12713	Sisma X SLO	286.2	0	0	0	840	1.599	33012	12713	Sisma Y SLO	0	286.2	0	0	840	1.599
33013	12713	Sisma X SLD	237.5	0	0	0	840	1.599	33014	12713	Sisma Y SLD	0	237.5	0	0	840	1.599
33015	12714	Sisma X SLV	1.2E3	0	0	0	1.8E3	1.599	33016	12714	Sisma Y SLV	0	1.2E3	0	0	1.8E3	1.599
33017	12714	Sisma X SLO	628.8	0	0	0	1.8E3	1.599	33018	12714	Sisma Y SLO	0	628.8	0	0	1.8E3	1.599
33019	12714	Sisma X SLD	521.9	0	0	0	1.8E3	1.599	33020	12714	Sisma Y SLD	0	521.9	0	0	1.8E3	1.599
33021	12715	Sisma X SLV	536.8	0	0	0	840	1.599	33022	12715	Sisma Y SLV	0	536.8	0	0	840	1.599
33023	12715	Sisma X SLO	286.2	0	0	0	840	1.599	33024	12715	Sisma Y SLO	0	286.2	0	0	840	1.599
33025	12715	Sisma X SLD	237.5	0	0	0	840	1.599	33026	12715	Sisma Y SLD	0	237.5	0	0	840	1.599
33027	12716	Sisma X SLV	1.2E3	0	0	0	1.8E3	1.599	33028	12716	Sisma Y SLV	0	1.2E3	0	0	1.8E3	1.599
33029	12716	Sisma X SLO	625.2	0	0	0	1.8E3	1.599	33030	12716	Sisma Y SLO	0	625.2	0	0	1.8E3	1.599
33031	12716	Sisma X SLD	519	0	0	0	1.8E3	1.599	33032	12716	Sisma Y SLD	0	519	0	0	1.8E3	1.599
33033	12717	Sisma X SLV	536.8	0	0	0	840	1.599	33034	12717	Sisma Y SLV	0	536.8	0	0	840	1.599
33035	12717	Sisma X SLO	286.2	0	0	0	840	1.599	33036	12717	Sisma Y SLO	0	286.2	0	0	840	1.599
33037	12717	Sisma X SLD	237.5	0	0	0	840	1.599	33038	12717	Sisma Y SLD	0	237.5	0	0	840	1.599
33039	12718	Sisma X SLV	1.2E3	0	0	0	1.8E3	1.599	33040	12718	Sisma Y SLV	0	1.2E3	0	0	1.8E3	1.599
33041	12718	Sisma X SLO	629.4	0	0	0	1.8E3	1.599	33042	12718	Sisma Y SLO	0	629.4	0	0	1.8E3	1.599
33043	12718	Sisma X SLD	522.4	0	0	0	1.8E3	1.599	33044	12718	Sisma Y SLD	0	522.4	0	0	1.8E3	1.599
33045	12719	Sisma X SLV	536.8	0	0	0	840	1.599	33046	12719	Sisma Y SLV	0	536.8	0	0	840	1.599
33047	12719	Sisma X SLO	286.2	0	0	0	840	1.599	33048	12719	Sisma Y SLO	0	286.2	0	0	840	1.599
33049	12719	Sisma X SLD	237.5	0	0	0	840	1.599	33050	12719	Sisma Y SLD	0	237.5	0	0	840	1.599
33051	12720	Sisma X SLV	536.8	0	0	0	840	1.599	33052	12720	Sisma Y SLV	0	536.8	0	0	840	1.599
33053	12720	Sisma X SLO	286.2	0	0	0	840	1.599	33054	12720	Sisma Y SLO	0	286.2	0	0	840	1.599
33055	12720	Sisma X SLD	237.5	0	0	0	840	1.599	33056	12720	Sisma Y SLD	0	237.5	0	0	840	1.599
33057	12721	Sisma X SLV	49.3	0	0	0	7.7E1	1.599	33058	12721	Sisma Y SLV	0	49.3	0	0	7.7E1	1.599
33059	12721	Sisma X SLO	26.3	0	0	0	7.7E1	1.599	33060	12721	Sisma Y SLO	0	26.3	0	0	7.7E1	1.599
33061	12721	Sisma X SLD	21.8	0	0	0	7.7E1	1.599	33062	12721	Sisma Y SLD	0	21.8	0	0	7.7E1	1.599
33063	12722	Sisma X SLV	55.9	0	0	0	8.8E1	1.599	33064	12722	Sisma Y SLV	0	55.9	0	0	8.8E1	1.599
33065	12722	Sisma X SLO	29.8	0	0	0	8.8E1	1.599	33066	12722	Sisma Y SLO	0	29.8	0	0	8.8E1	1.599
33067	12722	Sisma X SLD	24.7	0	0	0	8.8E1	1.599	33068	12722	Sisma Y SLD	0	24.7	0	0	8.8E1	1.599
33069	12723	Sisma X SLV	1056	0	0	0	1.7E3	1.599	33070	12723	Sisma Y SLV	0	1056	0	0	1.7E3	1.599
33071	12723	Sisma X SLO	563	0	0	0	1.7E3	1.599	33072	12723	Sisma Y SLO	0	563	0	0	1.7E3	1.599
33073	12723	Sisma X SLD	467.3	0	0	0	1.7E3	1.599	33074	12723	Sisma Y SLD	0	467.3	0	0	1.7E3	1.599
33075	12724	Sisma X SLV	1.9E3	0	0	0	3.0E3	1.599	33076	12724	Sisma Y SLV	0	1.9E3	0	0	3.0E3	1.599
33077	12724	Sisma X SLO	1006	0	0	0	3.0E3	1.599	33078	12724	Sisma Y SLO	0	1006	0	0	3.0E3	1.599
33079	12724	Sisma X SLD	835	0	0	0	3.0E3	1.599	33080	12724	Sisma Y SLD	0	835	0	0	3.0E3	1.599
33081	12725	Sisma X SLV	1.7E3	0	0	0	2.7E3	1.599	33082	12725	Sisma Y SLV	0	1.7E3	0	0	2.7E3	1.599
33083	12725	Sisma X SLO	921.2	0	0	0	2.7E3	1.599	33084	12725	Sisma Y SLO	0	921.2	0	0	2.7E3	1.599
33085	12725	Sisma X SLD	764.6	0	0	0	2.7E3	1.599	33086	12725	Sisma Y SLD	0	764.6	0	0	2.7E3	1.599
33087	12726	Sisma X SLV	1.7E3	0	0	0	2.7E3	1.599	33088	12726	Sisma Y SLV	0	1.7E3	0	0	2.7E3	1.599
33089	12726	Sisma X SLO	921.2	0	0	0	2.7E3	1.599	33090	12726	Sisma Y SLO	0	921.2	0	0	2.7E3	1.599
33091	12726	Sisma X SLD	764.6	0	0	0	2.7E3	1.599	33092	12726	Sisma Y SLD	0	764.6	0	0	2.7E3	1.599
33093	12727	Sisma X SLV	1844	0	0	0	2.9E3	1.599	33094	12727	Sisma Y SLV	0	1844	0	0	2.9E3	1.599
33095	12727	Sisma X SLO	983.1	0	0	0	2.9E3	1.599	33096	12727	Sisma Y SLO	0	983.1	0	0	2.9E3	1.599
33097	12727	Sisma X SLD	816	0	0	0	2.9E3	1.599	33098	12727	Sisma Y SLD	0	816	0	0	2.9E3	1.599
33099	12728	Sisma X SLV	1.8E3	0	0	0	2.8E3	1.599	33100	12728	Sisma Y SLV	0	1.8E3	0	0	2.8E3	1.599
33101	12728	Sisma X SLO	954.2	0	0	0	2.8E3	1.599	33102	12728	Sisma Y SLO	0	954.2	0	0	2.8E3	1.599
33103	12728	Sisma X SLD	792	0	0	0	2.8E3	1.599	33104	12728	Sisma Y SLD	0	792	0	0	2.8E3	1.599
33105	12729	Sisma X SLV	1.8E3	0	0	0	2.8E3	1.599	33106	12729	Sisma Y SLV	0	1.8E3	0	0	2.8E3	1.599
33107	12729	Sisma X SLO	954.2	0	0	0	2.8E3	1.599	33108	12729	Sisma Y SLO	0	954.2	0	0	2.8E3	1.599
33109	12729	Sisma X SLD	792.1	0	0	0	2.8E3	1.599	33110	12729	Sisma Y SLD	0	792.1	0	0	2.8E3	1.599
33111	12730	Sisma X SLV	1.9E3	0	0	0	3.0E3	1.599	33112	12730	Sisma Y SLV	0	1.9E3	0	0	3.0E3	1.599

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
33113	12730	Sisma X SLO	1.0E3	0	0	0	3.0E3	1.599	33114	12730	Sisma Y SLO	0	1.0E3	0	0	3.0E3	1.599
33115	12730	Sisma X SLD	840.1	0	0	0	3.0E3	1.599	33116	12730	Sisma Y SLD	0	840.1	0	0	3.0E3	1.599
33117	12731	Sisma X SLV	1.7E3	0	0	0	2.7E3	1.599	33118	12731	Sisma Y SLV	0	1.7E3	0	0	2.7E3	1.599
33119	12731	Sisma X SLO	929.4	0	0	0	2.7E3	1.599	33120	12731	Sisma Y SLO	0	929.4	0	0	2.7E3	1.599
33121	12731	Sisma X SLD	771.5	0	0	0	2.7E3	1.599	33122	12731	Sisma Y SLD	0	771.5	0	0	2.7E3	1.599
33123	12732	Sisma X SLV	1.7E3	0	0	0	2.7E3	1.599	33124	12732	Sisma Y SLV	0	1.7E3	0	0	2.7E3	1.599
33125	12732	Sisma X SLO	921.2	0	0	0	2.7E3	1.599	33126	12732	Sisma Y SLO	0	921.2	0	0	2.7E3	1.599
33127	12732	Sisma X SLD	764.6	0	0	0	2.7E3	1.599	33128	12732	Sisma Y SLD	0	764.6	0	0	2.7E3	1.599
33129	12733	Sisma X SLV	929.9	0	0	0	1.5E3	1.599	33130	12733	Sisma Y SLV	0	929.9	0	0	1.5E3	1.599
33131	12733	Sisma X SLO	495.8	0	0	0	1.5E3	1.599	33132	12733	Sisma Y SLO	0	495.8	0	0	1.5E3	1.599
33133	12733	Sisma X SLD	411.5	0	0	0	1.5E3	1.599	33134	12733	Sisma Y SLD	0	411.5	0	0	1.5E3	1.599
33135	12734	Sisma X SLV	1.2E3	0	0	0	1.9E3	1.599	33136	12734	Sisma Y SLV	0	1.2E3	0	0	1.9E3	1.599
33137	12734	Sisma X SLO	656.1	0	0	0	1.9E3	1.599	33138	12734	Sisma Y SLO	0	656.1	0	0	1.9E3	1.599
33139	12734	Sisma X SLD	544.6	0	0	0	1.9E3	1.599	33140	12734	Sisma Y SLD	0	544.6	0	0	1.9E3	1.599
33141	12735	Sisma X SLV	805.1	0	0	0	1260	1.599	33142	12735	Sisma Y SLV	0	805.1	0	0	1260	1.599
33143	12735	Sisma X SLO	429.3	0	0	0	1260	1.599	33144	12735	Sisma Y SLO	0	429.3	0	0	1260	1.599
33145	12735	Sisma X SLD	356.3	0	0	0	1260	1.599	33146	12735	Sisma Y SLD	0	356.3	0	0	1260	1.599
33147	12736	Sisma X SLV	1.2E3	0	0	0	1.8E3	1.599	33148	12736	Sisma Y SLV	0	1.2E3	0	0	1.8E3	1.599
33149	12736	Sisma X SLO	614.1	0	0	0	1.8E3	1.599	33150	12736	Sisma Y SLO	0	614.1	0	0	1.8E3	1.599
33151	12736	Sisma X SLD	509.7	0	0	0	1.8E3	1.599	33152	12736	Sisma Y SLD	0	509.7	0	0	1.8E3	1.599
33153	12737	Sisma X SLV	805.1	0	0	0	1260	1.599	33154	12737	Sisma Y SLV	0	805.1	0	0	1260	1.599
33155	12737	Sisma X SLO	429.3	0	0	0	1260	1.599	33156	12737	Sisma Y SLO	0	429.3	0	0	1260	1.599
33157	12737	Sisma X SLD	356.3	0	0	0	1260	1.599	33158	12737	Sisma Y SLD	0	356.3	0	0	1260	1.599
33159	12738	Sisma X SLV	46.3	0	0	0	7.2E1	1.599	33160	12738	Sisma Y SLV	0	46.3	0	0	7.2E1	1.599
33161	12738	Sisma X SLO	24.7	0	0	0	7.2E1	1.599	33162	12738	Sisma Y SLO	0	24.7	0	0	7.2E1	1.599
33163	12738	Sisma X SLD	20.5	0	0	0	7.2E1	1.599	33164	12738	Sisma Y SLD	0	20.5	0	0	7.2E1	1.599
33165	12739	Sisma X SLV	45.6	0	0	0	7.1E1	1.599	33166	12739	Sisma Y SLV	0	45.6	0	0	7.1E1	1.599
33167	12739	Sisma X SLO	24.3	0	0	0	7.1E1	1.599	33168	12739	Sisma Y SLO	0	24.3	0	0	7.1E1	1.599
33169	12739	Sisma X SLD	20.2	0	0	0	7.1E1	1.599	33170	12739	Sisma Y SLD	0	20.2	0	0	7.1E1	1.599
33171	12740	Sisma X SLV	45.1	0	0	0	7.1E1	1.599	33172	12740	Sisma Y SLV	0	45.1	0	0	7.1E1	1.599
33173	12740	Sisma X SLO	24	0	0	0	7.1E1	1.599	33174	12740	Sisma Y SLO	0	24	0	0	7.1E1	1.599
33175	12740	Sisma X SLD	20	0	0	0	7.1E1	1.599	33176	12740	Sisma Y SLD	0	20	0	0	7.1E1	1.599
33177	12741	Sisma X SLV	44.7	0	0	0	7.0E1	1.599	33178	12741	Sisma Y SLV	0	44.7	0	0	7.0E1	1.599
33179	12741	Sisma X SLO	23.9	0	0	0	7.0E1	1.599	33180	12741	Sisma Y SLO	0	23.9	0	0	7.0E1	1.599
33181	12741	Sisma X SLD	19.8	0	0	0	7.0E1	1.599	33182	12741	Sisma Y SLD	0	19.8	0	0	7.0E1	1.599
33183	12742	Sisma X SLV	44.7	0	0	0	70.03	1.599	33184	12742	Sisma Y SLV	0	44.7	0	0	70.03	1.599
33185	12742	Sisma X SLO	23.9	0	0	0	70.03	1.599	33186	12742	Sisma Y SLO	0	23.9	0	0	70.03	1.599
33187	12742	Sisma X SLD	19.8	0	0	0	70.03	1.599	33188	12742	Sisma Y SLD	0	19.8	0	0	70.03	1.599
33189	12743	Sisma X SLV	45.1	0	0	0	70.56	1.599	33190	12743	Sisma Y SLV	0	45.1	0	0	70.56	1.599
33191	12743	Sisma X SLO	24	0	0	0	70.56	1.599	33192	12743	Sisma Y SLO	0	24	0	0	70.56	1.599
33193	12743	Sisma X SLD	20	0	0	0	70.56	1.599	33194	12743	Sisma Y SLD	0	20	0	0	70.56	1.599
33195	12744	Sisma X SLV	45.8	0	0	0	71.71	1.599	33196	12744	Sisma Y SLV	0	45.8	0	0	71.71	1.599
33197	12744	Sisma X SLO	24.4	0	0	0	71.71	1.599	33198	12744	Sisma Y SLO	0	24.4	0	0	71.71	1.599
33199	12744	Sisma X SLD	20.3	0	0	0	71.71	1.599	33200	12744	Sisma Y SLD	0	20.3	0	0	71.71	1.599
33201	12745	Sisma X SLV	47	0	0	0	7.4E1	1.599	33202	12745	Sisma Y SLV	0	47	0	0	7.4E1	1.599
33203	12745	Sisma X SLO	25.1	0	0	0	7.4E1	1.599	33204	12745	Sisma Y SLO	0	25.1	0	0	7.4E1	1.599
33205	12745	Sisma X SLD	20.8	0	0	0	7.4E1	1.599	33206	12745	Sisma Y SLD	0	20.8	0	0	7.4E1	1.599
33207	12746	Sisma X SLV	805.1	0	0	0	1260	1.599	33208	12746	Sisma Y SLV	0	805.1	0	0	1260	1.599
33209	12746	Sisma X SLO	429.3	0	0	0	1260	1.599	33210	12746	Sisma Y SLO	0	429.3	0	0	1260	1.599
33211	12746	Sisma X SLD	356.3	0	0	0	1260	1.599	33212	12746	Sisma Y SLD	0	356.3	0	0	1260	1.599
33213	12747	Sisma X SLV	726.9	0	0	0	1.1E3	1.599	33214	12747	Sisma Y SLV	0	726.9	0	0	1.1E3	1.599
33215	12747	Sisma X SLO	387.5	0	0	0	1.1E3	1.599	33216	12747	Sisma Y SLO	0	387.5	0	0	1.1E3	1.599
33217	12747	Sisma X SLD	321.7	0	0	0	1.1E3	1.599	33218	12747	Sisma Y SLD	0	321.7	0	0	1.1E3	1.599
33219	12748	Sisma X SLV	805.1	0	0	0	1260	1.599	33220	12748	Sisma Y SLV	0	805.1	0	0	1260	1.599
33221	12748	Sisma X SLO	429.3	0	0	0	1260	1.599	33222	12748	Sisma Y SLO	0	429.3	0	0	1260	1.599
33223	12748	Sisma X SLD	356.3	0	0	0	1260	1.599	33224	12748	Sisma Y SLD	0	356.3	0	0	1260	1.599
33225	12749	Sisma X SLV	24	0	0	0	3.8E1	1.599	33226	12749	Sisma Y SLV	0	24	0	0	3.8E1	1.599
33227	12749	Sisma X SLO	12.8	0	0	0	3.8E1	1.599	33228	12749	Sisma Y SLO	0	12.8	0	0	3.8E1	1.599
33229	12749	Sisma X SLD	10.6	0	0	0	3.8E1	1.599	33230	12749	Sisma Y SLD	0	10.6	0	0	3.8E1	1.599
33231	12750	Sisma X SLV	536.8	0	0	0	840	1.599	33232	12750	Sisma Y SLV	0	536.8	0	0	840	1.599
33233	12750	Sisma X SLO	286.2	0	0	0	840	1.599	33234	12750	Sisma Y SLO	0	286.2	0	0	840	1.599
33235	12750	Sisma X SLD	237.5	0	0	0	840	1.599	33236	12750	Sisma Y SLD	0	237.5	0	0	840	1.599
33237	12751	Sisma X SLV	536.8	0	0	0	840	1.599	33238	12751	Sisma Y SLV	0	536.8	0	0	840	1.599
33239	12751	Sisma X SLO	286.2	0	0	0	840	1.599	33240	12751	Sisma Y SLO	0	286.2	0	0	840	1.599
33241	12751	Sisma X SLD	237.5	0	0	0	840	1.599	33242	12751	Sisma Y SLD	0	237.5	0	0	840	1.599
33243	12752	Sisma X SLV	536.8	0	0	0	840	1.599	33244	12752	Sisma Y SLV	0	536.8	0	0	840	1.599
33245	12752	Sisma X SLO	286.2	0	0	0	840	1.599	33246	12752	Sisma Y SLO	0	286.2	0	0	840	1.599
33247	12752	Sisma X SLD	237.5	0	0	0	840	1.599	33248	12752	Sisma Y SLD	0	237.5	0	0	840	1.599
33249	12753	Sisma X SLV	536.8	0	0	0	840	1.599	33250	12753	Sisma Y SLV	0	536.8	0	0	840	1.599
33251	12753	Sisma X SLO	286.2	0	0	0	840	1.599	33252	12753	Sisma Y SLO	0	286.2	0	0	840	1.599
33253	12753	Sisma X SLD	237.5	0	0	0	840	1.599	33254	12753	Sisma Y SLD	0	237.5	0	0	840	1.599
33255	12754	Sisma X SLV	536.8	0	0	0	840	1.599	33256	12754	Sisma Y SLV	0	536.8	0	0	840	1.599
33257	12754	Sisma X SLO	286.2	0	0	0	840	1.599	33258	12754	Sisma Y SLO	0	286.2	0	0	840	1.599
33259	12754	Sisma X SLD	237.5	0	0	0	840	1.599	33260	12754	Sisma Y SLD	0	237.5	0	0	840	1.599
33261	12755	Sisma X SLV	536.8	0	0	0	840	1.599	33262	12755	Sisma Y SLV	0	536.8	0	0	840	1.599
33263	12755	Sisma X SLO	286.2	0	0	0	840	1.599	33264	12755	Sisma Y SLO	0	286.2	0	0	840	1.599
33265	12755	Sisma X SLD	237.5	0	0	0	840	1.599	33266	12755	Sisma Y SLD	0	237.5	0	0	840	1.599
33267	12756	Sisma X SLV	536.8	0	0	0	840	1.599	33268	12756	Sisma Y SLV	0	536.8	0	0	840	1.599
33269	12756	Sisma X SLO	286.2	0	0	0	840	1.599	33270	12756	Sisma Y SLO	0	286.2	0	0	840	1.599
33271	12756	Sisma X SLD	237.5	0	0	0	840	1.599	33272	12756	Sisma Y SLD	0	237.5	0	0	840	1.599
33273	12757	Sisma X SLV	536.8	0	0	0	840	1.599	33274	12757	Sisma Y SLV	0	536.8	0	0	840	1.599
33275	12757	Sisma X SLO	286.2	0	0	0	840	1.599	33276	12757	Sisma Y SLO	0	286.2	0	0	840	1.599
33277	12757	Sisma X SLD	237.5	0	0	0	840	1.599	33278	12757	Sisma Y SLD	0	237.5	0	0	840	1.599
33279	12758	Sisma X SLV	536.8	0	0	0	840	1.599	33280	12758	Sisma Y SLV	0	536.8	0	0	840	1.599
33281	12758	Sisma X SLO	286.2	0	0	0	840	1.599	33282	12758	Sisma Y SLO	0	286.2	0	0	840	1.599
33283	12758	Sisma X SLD	237.5	0	0	0	840	1.599	33284	12758	Sisma Y SLD	0	237.5	0	0	840	1.599
33285	12759	Sisma X SLV	536.8	0	0	0	840	1.599	33286	12759	Sisma Y SLV	0	536.8	0	0	840	1.599
33287	12759	Sisma X SLO	286.2	0	0	0	840	1.599	33288	12759	Sisma Y SLO	0	286.2	0	0	840	1.599
33289	12759	Sisma X SLD	237.5	0	0	0	840	1.599	33290	12759	Sisma Y SLD	0	237.5	0	0	840	1.599
33291	12760	Sisma X SLV	858.6	0	0	0	1.3E3	1.599	33292	12760	Sisma Y SLV	0	858.6	0	0	1.3E3	1.599
33293	12760	Sisma X SLO	457.8	0	0	0	1.3E3	1.599	33294	12760	Sisma Y SLO	0	457.8	0	0	1.3E3	1.599
33295	12760	Sisma X SLD	380	0	0	0	1.3E3	1.599	33296	12760	Sisma Y SLD	0	380	0	0	1.3E3	1.599
33297	12761	Sisma X SLV	1.7E3	0	0	0	2.6E3	1.599	33298	12761	Sisma Y SLV	0	1.7E3	0	0	2.6E3	1.599
33299	12761	Sisma X SLO	888.1	0	0	0	2.6E3	1.599	33300	12761	Sisma Y SLO	0	888.1	0	0	2.6E3	1.599
33301	12761	Sisma X SLD	737.2	0	0	0	2.6E3	1.599	33302	12761	Sisma Y SLD	0	737.2	0	0	2.6E3	1.599
33303	12762	Sisma X SLV	771.6	0	0	0	1.2E3	1.599	33304	12762	Sisma Y SLV	0	771.6	0	0	1.2E3	1.599
33305	12762	Sisma X SLO	411.4	0	0	0	1.2E3	1.599	33306	12762	Sisma Y SLO	0	411.4	0	0	1.2E3	1.599
33307	12762	Sisma X SLD	341.5	0	0	0	1.2E3	1.599	33308	12762	Sisma Y SLD	0	341.5	0	0	1.2E3	1.599
33309	12763	Sisma X SLV	1.5E3	0	0	0	2.4E3	1.599	33310	12763	Sisma Y SLV	0	1.5E3	0	0	2.4E3	1.599
33311	12763	Sisma X SLO	811.5	0	0	0	2.4E3	1.599	33312	12763	Sisma Y SLO	0	811.5	0	0	2.4E3	1.599

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
33313	12763	Sisma X SLD	673.6	0	0	0	2.4E3	1.599	33314	12763	Sisma Y SLD	0	673.6	0	0	2.4E3	1.599
33315	12764	Sisma X SLV	771.6	0	0	0	1.2E3	1.599	33316	12764	Sisma Y SLV	0	771.6	0	0	1.2E3	1.599
33317	12764	Sisma X SLO	411.4	0	0	0	1.2E3	1.599	33318	12764	Sisma Y SLO	0	411.4	0	0	1.2E3	1.599
33319	12764	Sisma X SLD	341.5	0	0	0	1.2E3	1.599	33320	12764	Sisma Y SLD	0	341.5	0	0	1.2E3	1.599
33321	12765	Sisma X SLV	1.5E3	0	0	0	2.4E3	1.599	33322	12765	Sisma Y SLV	0	1.5E3	0	0	2.4E3	1.599
33323	12765	Sisma X SLO	811.4	0	0	0	2.4E3	1.599	33324	12765	Sisma Y SLO	0	811.4	0	0	2.4E3	1.599
33325	12765	Sisma X SLD	673.5	0	0	0	2.4E3	1.599	33326	12765	Sisma Y SLD	0	673.5	0	0	2.4E3	1.599
33327	12766	Sisma X SLV	3.1E3	0	0	0	4.9E3	1.599	33328	12766	Sisma Y SLV	0	3.1E3	0	0	4.9E3	1.599
33329	12766	Sisma X SLO	1.7E3	0	0	0	4.9E3	1.599	33330	12766	Sisma Y SLO	0	1.7E3	0	0	4.9E3	1.599
33331	12766	Sisma X SLD	1.4E3	0	0	0	4.9E3	1.599	33332	12766	Sisma Y SLD	0	1.4E3	0	0	4.9E3	1.599
33333	12767	Sisma X SLV	771.7	0	0	0	1.2E3	1.599	33334	12767	Sisma Y SLV	0	771.7	0	0	1.2E3	1.599
33335	12767	Sisma X SLO	411.4	0	0	0	1.2E3	1.599	33336	12767	Sisma Y SLO	0	411.4	0	0	1.2E3	1.599
33337	12767	Sisma X SLD	341.5	0	0	0	1.2E3	1.599	33338	12767	Sisma Y SLD	0	341.5	0	0	1.2E3	1.599
33339	12768	Sisma X SLV	4.3E3	0	0	0	6.8E3	1.599	33340	12768	Sisma Y SLV	0	4.3E3	0	0	6.8E3	1.599
33341	12768	Sisma X SLO	2.3E3	0	0	0	6.8E3	1.599	33342	12768	Sisma Y SLO	0	2.3E3	0	0	6.8E3	1.599
33343	12768	Sisma X SLD	1911	0	0	0	6.8E3	1.599	33344	12768	Sisma Y SLD	0	1911	0	0	6.8E3	1.599
33345	12769	Sisma X SLV	771.7	0	0	0	1.2E3	1.599	33346	12769	Sisma Y SLV	0	771.7	0	0	1.2E3	1.599
33347	12769	Sisma X SLO	411.4	0	0	0	1.2E3	1.599	33348	12769	Sisma Y SLO	0	411.4	0	0	1.2E3	1.599
33349	12769	Sisma X SLD	341.5	0	0	0	1.2E3	1.599	33350	12769	Sisma Y SLD	0	341.5	0	0	1.2E3	1.599
33351	12770	Sisma X SLV	2.8E3	0	0	0	4.3E3	1.599	33352	12770	Sisma Y SLV	0	2.8E3	0	0	4.3E3	1.599
33353	12770	Sisma X SLO	1.5E3	0	0	0	4.3E3	1.599	33354	12770	Sisma Y SLO	0	1.5E3	0	0	4.3E3	1.599
33355	12770	Sisma X SLD	1.2E3	0	0	0	4.3E3	1.599	33356	12770	Sisma Y SLD	0	1.2E3	0	0	4.3E3	1.599
33357	12771	Sisma X SLV	1.3E3	0	0	0	2.0E3	1.599	33358	12771	Sisma Y SLV	0	1.3E3	0	0	2.0E3	1.599
33359	12771	Sisma X SLO	684.4	0	0	0	2.0E3	1.599	33360	12771	Sisma Y SLO	0	684.4	0	0	2.0E3	1.599
33361	12771	Sisma X SLD	568.1	0	0	0	2.0E3	1.599	33362	12771	Sisma Y SLD	0	568.1	0	0	2.0E3	1.599
33363	12772	Sisma X SLV	1.4E3	0	0	0	2.2E3	1.599	33364	12772	Sisma Y SLV	0	1.4E3	0	0	2.2E3	1.599
33365	12772	Sisma X SLO	748.3	0	0	0	2.2E3	1.599	33366	12772	Sisma Y SLO	0	748.3	0	0	2.2E3	1.599
33367	12772	Sisma X SLD	621.1	0	0	0	2.2E3	1.599	33368	12772	Sisma Y SLD	0	621.1	0	0	2.2E3	1.599
33369	12773	Sisma X SLV	771.7	0	0	0	1.2E3	1.599	33370	12773	Sisma Y SLV	0	771.7	0	0	1.2E3	1.599
33371	12773	Sisma X SLO	411.4	0	0	0	1.2E3	1.599	33372	12773	Sisma Y SLO	0	411.4	0	0	1.2E3	1.599
33373	12773	Sisma X SLD	341.5	0	0	0	1.2E3	1.599	33374	12773	Sisma Y SLD	0	341.5	0	0	1.2E3	1.599
33375	12774	Sisma X SLV	1533	0	0	0	2.4E3	1.599	33376	12774	Sisma Y SLV	0	1533	0	0	2.4E3	1.599
33377	12774	Sisma X SLO	817.3	0	0	0	2.4E3	1.599	33378	12774	Sisma Y SLO	0	817.3	0	0	2.4E3	1.599
33379	12774	Sisma X SLD	678.4	0	0	0	2.4E3	1.599	33380	12774	Sisma Y SLD	0	678.4	0	0	2.4E3	1.599
33381	12775	Sisma X SLV	771.8	0	0	0	1.2E3	1.599	33382	12775	Sisma Y SLV	0	771.8	0	0	1.2E3	1.599
33383	12775	Sisma X SLO	411.5	0	0	0	1.2E3	1.599	33384	12775	Sisma Y SLO	0	411.5	0	0	1.2E3	1.599
33385	12775	Sisma X SLD	341.6	0	0	0	1.2E3	1.599	33386	12775	Sisma Y SLD	0	341.6	0	0	1.2E3	1.599
33387	12776	Sisma X SLV	1.5E3	0	0	0	2.4E3	1.599	33388	12776	Sisma Y SLV	0	1.5E3	0	0	2.4E3	1.599
33389	12776	Sisma X SLO	810.1	0	0	0	2.4E3	1.599	33390	12776	Sisma Y SLO	0	810.1	0	0	2.4E3	1.599
33391	12776	Sisma X SLD	672.4	0	0	0	2.4E3	1.599	33392	12776	Sisma Y SLD	0	672.4	0	0	2.4E3	1.599
33393	12777	Sisma X SLV	814.7	0	0	0	1.3E3	1.599	33394	12777	Sisma Y SLV	0	814.7	0	0	1.3E3	1.599
33395	12777	Sisma X SLO	434.3	0	0	0	1.3E3	1.599	33396	12777	Sisma Y SLO	0	434.3	0	0	1.3E3	1.599
33397	12777	Sisma X SLD	360.5	0	0	0	1.3E3	1.599	33398	12777	Sisma Y SLD	0	360.5	0	0	1.3E3	1.599
33399	12778	Sisma X SLV	796.9	0	0	0	1.2E3	1.599	33400	12778	Sisma Y SLV	0	796.9	0	0	1.2E3	1.599
33401	12778	Sisma X SLO	424.8	0	0	0	1.2E3	1.599	33402	12778	Sisma Y SLO	0	424.8	0	0	1.2E3	1.599
33403	12778	Sisma X SLD	352.6	0	0	0	1.2E3	1.599	33404	12778	Sisma Y SLD	0	352.6	0	0	1.2E3	1.599
33405	12779	Sisma X SLV	819.3	0	0	0	1.3E3	1.599	33406	12779	Sisma Y SLV	0	819.3	0	0	1.3E3	1.599
33407	12779	Sisma X SLO	436.8	0	0	0	1.3E3	1.599	33408	12779	Sisma Y SLO	0	436.8	0	0	1.3E3	1.599
33409	12779	Sisma X SLD	362.6	0	0	0	1.3E3	1.599	33410	12779	Sisma Y SLD	0	362.6	0	0	1.3E3	1.599
33411	12780	Sisma X SLV	819.3	0	0	0	1.3E3	1.599	33412	12780	Sisma Y SLV	0	819.3	0	0	1.3E3	1.599
33413	12780	Sisma X SLO	436.8	0	0	0	1.3E3	1.599	33414	12780	Sisma Y SLO	0	436.8	0	0	1.3E3	1.599
33415	12780	Sisma X SLD	362.6	0	0	0	1.3E3	1.599	33416	12780	Sisma Y SLD	0	362.6	0	0	1.3E3	1.599
33417	12781	Sisma X SLV	502.5	0	0	0	7.8E2	1.606	33418	12781	Sisma Y SLV	0	502.5	0	0	7.8E2	1.606
33419	12781	Sisma X SLO	267.9	0	0	0	7.8E2	1.606	33420	12781	Sisma Y SLO	0	267.9	0	0	7.8E2	1.606
33421	12781	Sisma X SLD	222.4	0	0	0	7.8E2	1.606	33422	12781	Sisma Y SLD	0	222.4	0	0	7.8E2	1.606
33423	12783	Sisma X SLV	2.1E3	0	0	0	3.3E3	1.61	33424	12783	Sisma Y SLV	0	2.1E3	0	0	3.3E3	1.61
33425	12783	Sisma X SLO	1.1E3	0	0	0	3.3E3	1.61	33426	12783	Sisma Y SLO	0	1.1E3	0	0	3.3E3	1.61
33427	12783	Sisma X SLD	928.2	0	0	0	3.3E3	1.61	33428	12783	Sisma Y SLD	0	928.2	0	0	3.3E3	1.61
33429	12784	Sisma X SLV	2.1E3	0	0	0	3.3E3	1.61	33430	12784	Sisma Y SLV	0	2.1E3	0	0	3.3E3	1.61
33431	12784	Sisma X SLO	1.1E3	0	0	0	3.3E3	1.61	33432	12784	Sisma Y SLO	0	1.1E3	0	0	3.3E3	1.61
33433	12784	Sisma X SLD	949.9	0	0	0	3.3E3	1.61	33434	12784	Sisma Y SLD	0	949.9	0	0	3.3E3	1.61
33435	12785	Sisma X SLV	2455	0	0	0	3.8E3	1.61	33436	12785	Sisma Y SLV	0	2455	0	0	3.8E3	1.61
33437	12785	Sisma X SLO	1.3E3	0	0	0	3.8E3	1.61	33438	12785	Sisma Y SLO	0	1.3E3	0	0	3.8E3	1.61
33439	12785	Sisma X SLD	1.1E3	0	0	0	3.8E3	1.61	33440	12785	Sisma Y SLD	0	1.1E3	0	0	3.8E3	1.61
33441	12786	Sisma X SLV	2.0E3	0	0	0	3.1E3	1.61	33442	12786	Sisma Y SLV	0	2.0E3	0	0	3.1E3	1.61
33443	12786	Sisma X SLO	1.1E3	0	0	0	3.1E3	1.61	33444	12786	Sisma Y SLO	0	1.1E3	0	0	3.1E3	1.61
33445	12786	Sisma X SLD	892.7	0	0	0	3.1E3	1.61	33446	12786	Sisma Y SLD	0	892.7	0	0	3.1E3	1.61
33447	12787	Sisma X SLV	1851	0	0	0	2.9E3	1.61	33448	12787	Sisma Y SLV	0	1851	0	0	2.9E3	1.61
33449	12787	Sisma X SLO	986.9	0	0	0	2.9E3	1.61	33450	12787	Sisma Y SLO	0	986.9	0	0	2.9E3	1.61
33451	12787	Sisma X SLD	819.2	0	0	0	2.9E3	1.61	33452	12787	Sisma Y SLD	0	819.2	0	0	2.9E3	1.61
33453	12788	Sisma X SLV	2.2E3	0	0	0	3.4E3	1.61	33454	12788	Sisma Y SLV	0	2.2E3	0	0	3.4E3	1.61
33455	12788	Sisma X SLO	1.2E3	0	0	0	3.4E3	1.61	33456	12788	Sisma Y SLO	0	1.2E3	0	0	3.4E3	1.61
33457	12788	Sisma X SLD	971	0	0	0	3.4E3	1.61	33458	12788	Sisma Y SLD	0	971	0	0	3.4E3	1.61
33459	12789	Sisma X SLV	3.1E3	0	0	0	4.9E3	1.613	33460	12789	Sisma Y SLV	0	3.1E3	0	0	4.9E3	1.613
33461	12789	Sisma X SLO	1.7E3	0	0	0	4.9E3	1.613	33462	12789	Sisma Y SLO	0	1.7E3	0	0	4.9E3	1.613
33463	12789	Sisma X SLD	1.4E3	0	0	0	4.9E3	1.613	33464	12789	Sisma Y SLD	0	1.4E3	0	0	4.9E3	1.613
33465	12790	Sisma X SLV	2.0E3	0	0	0	3.1E3	1.613	33466	12790	Sisma Y SLV	0	2.0E3	0	0	3.1E3	1.613
33467	12790	Sisma X SLO	1.1E3	0	0	0	3.1E3	1.613	33468	12790	Sisma Y SLO	0	1.1E3	0	0	3.1E3	1.613
33469	12790	Sisma X SLD	878.1	0	0	0	3.1E3	1.613	33470	12790	Sisma Y SLD	0	878.1	0	0	3.1E3	1.613
33471	12791	Sisma X SLV	1.8E3	0	0	0	2.9E3	1.613	33472	12791	Sisma Y SLV	0	1.8E3	0	0	2.9E3	1.613
33473	12791	Sisma X SLO	980.7	0	0	0	2.9E3	1.613	33474	12791	Sisma Y SLO	0	980.7	0	0	2.9E3	1.613
33475	12791	Sisma X SLD	814	0	0	0	2.9E3	1.613	33476	12791	Sisma Y SLD	0	814	0	0	2.9E3	1.613
33477	12792	Sisma X SLV	1.9E3	0	0	0	2.9E3	1.613	33478	12792	Sisma Y SLV	0	1.9E3	0	0	2.9E3	1.613
33479	12792	Sisma X SLO	999.8	0	0	0	2.9E3	1.613	33480	12792	Sisma Y SLO	0	999.8	0	0	2.9E3	1.613
33481	12792	Sisma X SLD	829.9	0	0	0	2.9E3	1.613	33482	12792	Sisma Y SLD	0	829.9	0	0	2.9E3	1.613
33483	12793	Sisma X SLV	1.9E3	0	0	0	2.9E3	1.614	33484	12793	Sisma Y SLV	0	1.9E3	0	0	2.9E3	1.614
33485	12793	Sisma X SLO	994.6	0	0	0	2.9E3	1.614	33486	12793	Sisma Y SLO	0	994.6	0	0	2.9E3	1.614
33487	12793	Sisma X SLD	825.6	0	0	0	2.9E3	1.614	33488	12793	Sisma Y SLD	0	825.6	0	0	2.9E3	1.614
33489	12794	Sisma X SLV	3.9E3	0	0	0	6.1E3	1.614	33490	12794	Sisma Y SLV	0	3.9E3	0	0	6.1E3	1.614
33491	12794	Sisma X SLO	2.1E3	0	0	0	6.1E3	1.614	33492	12794	Sisma Y SLO	0	2.1E3	0	0	6.1E3	1.614
33493	12794	Sisma X SLD	1.7E3	0	0	0	6.1E3	1.614	33494	12794	Sisma Y SLD	0	1.7E3	0	0	6.1E3	1.614
33495	12795	Sisma X SLV	2.3E3	0	0	0	3.5E3	1.616	33496	12795	Sisma Y SLV	0	2.3E3	0	0	3.5E3	1.616
33497	12795	Sisma X SLO	1212	0	0	0	3.5E3	1.616	33498	12795	Sisma Y SLO	0	1212	0	0	3.5E3	1.616
33499	12795	Sisma X SLD	1006	0	0	0	3.5E3	1.616	33500	12795	Sisma Y SLD	0	1006	0	0	3.5E3	1.616
33501	12796	Sisma X SLV	2.0E3	0	0	0	3.1E3	1.616	33502	12796	Sisma Y SLV	0	2.0E3	0	0	3.1E3	1.616
33503	12796	Sisma X SLO	1.1E3	0	0	0	3.1E3	1.616	33504	12796	Sisma Y SLO	0	1.1E3	0	0	3.1E3	1.616
33505	12796	Sisma X SLD	899.9	0	0	0	3.1E3	1.616	33506	12796	Sisma Y SLD	0	899.9	0	0	3.1E3	1.616
33507	12797	Sisma X SLV	1.9E3	0	0	0	3.0E3	1.616	33508	12797	Sisma Y SLV	0	1.9E3	0	0	3.0E3	1.616
33509	12797	Sisma X SLO	1.0E3	0	0	0	3.0E3	1.616	33510	12797	Sisma Y SLO	0	1.0E3	0	0	3.0E3	1.616
33511	12797	Sisma X SLD	848	0	0	0	3.0E3	1.616	33512	12797	Sisma Y SLD	0	848	0	0	3.0E3	1.616

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
33513	12798	Sisma X SLV	3975	0	0	0	6.2E3	1.616	33514	12798	Sisma Y SLV	0	3975	0	0	6.2E3	1.616
33515	12798	Sisma X SLO	2.1E3	0	0	0	6.2E3	1.616	33516	12798	Sisma Y SLO	0	2.1E3	0	0	6.2E3	1.616
33517	12798	Sisma X SLD	1.8E3	0	0	0	6.2E3	1.616	33518	12798	Sisma Y SLD	0	1.8E3	0	0	6.2E3	1.616
33519	12799	Sisma X SLV	1.9E3	0	0	0	3.0E3	1.616	33520	12799	Sisma Y SLV	0	1.9E3	0	0	3.0E3	1.616
33521	12799	Sisma X SLO	1018	0	0	0	3.0E3	1.616	33522	12799	Sisma Y SLO	0	1018	0	0	3.0E3	1.616
33523	12799	Sisma X SLD	845	0	0	0	3.0E3	1.616	33524	12799	Sisma Y SLD	0	845	0	0	3.0E3	1.616
33525	12800	Sisma X SLV	2.0E3	0	0	0	3.0E3	1.616	33526	12800	Sisma Y SLV	0	2.0E3	0	0	3.0E3	1.616
33527	12800	Sisma X SLO	1.0E3	0	0	0	3.0E3	1.616	33528	12800	Sisma Y SLO	0	1.0E3	0	0	3.0E3	1.616
33529	12800	Sisma X SLD	865.4	0	0	0	3.0E3	1.616	33530	12800	Sisma Y SLD	0	865.4	0	0	3.0E3	1.616
33531	12801	Sisma X SLV	1.8E3	0	0	0	2.8E3	1.616	33532	12801	Sisma Y SLV	0	1.8E3	0	0	2.8E3	1.616
33533	12801	Sisma X SLO	977.3	0	0	0	2.8E3	1.616	33534	12801	Sisma Y SLO	0	977.3	0	0	2.8E3	1.616
33535	12801	Sisma X SLD	811.2	0	0	0	2.8E3	1.616	33536	12801	Sisma Y SLD	0	811.2	0	0	2.8E3	1.616
33537	12802	Sisma X SLV	2.1E3	0	0	0	3.2E3	1.616	33538	12802	Sisma Y SLV	0	2.1E3	0	0	3.2E3	1.616
33539	12802	Sisma X SLO	1.1E3	0	0	0	3.2E3	1.616	33540	12802	Sisma Y SLO	0	1.1E3	0	0	3.2E3	1.616
33541	12802	Sisma X SLD	922	0	0	0	3.2E3	1.616	33542	12802	Sisma Y SLD	0	922	0	0	3.2E3	1.616
33543	12803	Sisma X SLV	1.8E3	0	0	0	2.8E3	1.617	33544	12803	Sisma Y SLV	0	1.8E3	0	0	2.8E3	1.617
33545	12803	Sisma X SLO	980.1	0	0	0	2.8E3	1.617	33546	12803	Sisma Y SLO	0	980.1	0	0	2.8E3	1.617
33547	12803	Sisma X SLD	813.5	0	0	0	2.8E3	1.617	33548	12803	Sisma Y SLD	0	813.5	0	0	2.8E3	1.617
33549	12804	Sisma X SLV	544.8	0	0	0	8.4E2	1.617	33550	12804	Sisma Y SLV	0	544.8	0	0	8.4E2	1.617
33551	12804	Sisma X SLO	290.4	0	0	0	8.4E2	1.617	33552	12804	Sisma Y SLO	0	290.4	0	0	8.4E2	1.617
33553	12804	Sisma X SLD	241.1	0	0	0	8.4E2	1.617	33554	12804	Sisma Y SLD	0	241.1	0	0	8.4E2	1.617
33555	12805	Sisma X SLV	1485	0	0	0	2.3E3	1.617	33556	12805	Sisma Y SLV	0	1485	0	0	2.3E3	1.617
33557	12805	Sisma X SLO	791.7	0	0	0	2.3E3	1.617	33558	12805	Sisma Y SLO	0	791.7	0	0	2.3E3	1.617
33559	12805	Sisma X SLD	657.2	0	0	0	2.3E3	1.617	33560	12805	Sisma Y SLD	0	657.2	0	0	2.3E3	1.617
33561	12807	Sisma X SLV	1.4E3	0	0	0	2.2E3	1.617	33562	12807	Sisma Y SLV	0	1.4E3	0	0	2.2E3	1.617
33563	12807	Sisma X SLO	755.9	0	0	0	2.2E3	1.617	33564	12807	Sisma Y SLO	0	755.9	0	0	2.2E3	1.617
33565	12807	Sisma X SLD	627.4	0	0	0	2.2E3	1.617	33566	12807	Sisma Y SLD	0	627.4	0	0	2.2E3	1.617
33567	12808	Sisma X SLV	2.0E3	0	0	0	3.1E3	1.617	33568	12808	Sisma Y SLV	0	2.0E3	0	0	3.1E3	1.617
33569	12808	Sisma X SLO	1.1E3	0	0	0	3.1E3	1.617	33570	12808	Sisma Y SLO	0	1.1E3	0	0	3.1E3	1.617
33571	12808	Sisma X SLD	897.7	0	0	0	3.1E3	1.617	33572	12808	Sisma Y SLD	0	897.7	0	0	3.1E3	1.617
33573	12809	Sisma X SLV	1.4E3	0	0	0	2.1E3	1.618	33574	12809	Sisma Y SLV	0	1.4E3	0	0	2.1E3	1.618
33575	12809	Sisma X SLO	726.4	0	0	0	2.1E3	1.618	33576	12809	Sisma Y SLO	0	726.4	0	0	2.1E3	1.618
33577	12809	Sisma X SLD	603	0	0	0	2.1E3	1.618	33578	12809	Sisma Y SLD	0	603	0	0	2.1E3	1.618
33579	12810	Sisma X SLV	1.4E3	0	0	0	2.2E3	1.619	33580	12810	Sisma Y SLV	0	1.4E3	0	0	2.2E3	1.619
33581	12810	Sisma X SLO	751.9	0	0	0	2.2E3	1.619	33582	12810	Sisma Y SLO	0	751.9	0	0	2.2E3	1.619
33583	12810	Sisma X SLD	624.1	0	0	0	2.2E3	1.619	33584	12810	Sisma Y SLD	0	624.1	0	0	2.2E3	1.619
33585	12811	Sisma X SLV	1140	0	0	0	1.8E3	1.619	33586	12811	Sisma Y SLV	0	1140	0	0	1.8E3	1.619
33587	12811	Sisma X SLO	607.8	0	0	0	1.8E3	1.619	33588	12811	Sisma Y SLO	0	607.8	0	0	1.8E3	1.619
33589	12811	Sisma X SLD	504.5	0	0	0	1.8E3	1.619	33590	12811	Sisma Y SLD	0	504.5	0	0	1.8E3	1.619
33591	12812	Sisma X SLV	171.2	0	0	0	2.6E2	1.619	33592	12812	Sisma Y SLV	0	171.2	0	0	2.6E2	1.619
33593	12812	Sisma X SLO	91.3	0	0	0	2.6E2	1.619	33594	12812	Sisma Y SLO	0	91.3	0	0	2.6E2	1.619
33595	12812	Sisma X SLD	75.8	0	0	0	2.6E2	1.619	33596	12812	Sisma Y SLD	0	75.8	0	0	2.6E2	1.619
33597	12813	Sisma X SLV	1.8E3	0	0	0	2.8E3	1.619	33598	12813	Sisma Y SLV	0	1.8E3	0	0	2.8E3	1.619
33599	12813	Sisma X SLO	979.1	0	0	0	2.8E3	1.619	33600	12813	Sisma Y SLO	0	979.1	0	0	2.8E3	1.619
33601	12813	Sisma X SLD	812.7	0	0	0	2.8E3	1.619	33602	12813	Sisma Y SLD	0	812.7	0	0	2.8E3	1.619
33603	12814	Sisma X SLV	2.3E3	0	0	0	3.5E3	1.619	33604	12814	Sisma Y SLV	0	2.3E3	0	0	3.5E3	1.619
33605	12814	Sisma X SLO	1.2E3	0	0	0	3.5E3	1.619	33606	12814	Sisma Y SLO	0	1.2E3	0	0	3.5E3	1.619
33607	12814	Sisma X SLD	1.0E3	0	0	0	3.5E3	1.619	33608	12814	Sisma Y SLD	0	1.0E3	0	0	3.5E3	1.619
33609	12815	Sisma X SLV	1.4E3	0	0	0	2.2E3	1.619	33610	12815	Sisma Y SLV	0	1.4E3	0	0	2.2E3	1.619
33611	12815	Sisma X SLO	743.4	0	0	0	2.2E3	1.619	33612	12815	Sisma Y SLO	0	743.4	0	0	2.2E3	1.619
33613	12815	Sisma X SLD	617	0	0	0	2.2E3	1.619	33614	12815	Sisma Y SLD	0	617	0	0	2.2E3	1.619
33615	12816	Sisma X SLV	1.4E3	0	0	0	2.2E3	1.62	33616	12816	Sisma Y SLV	0	1.4E3	0	0	2.2E3	1.62
33617	12816	Sisma X SLO	770	0	0	0	2.2E3	1.62	33618	12816	Sisma Y SLO	0	770	0	0	2.2E3	1.62
33619	12816	Sisma X SLD	639.2	0	0	0	2.2E3	1.62	33620	12816	Sisma Y SLD	0	639.2	0	0	2.2E3	1.62
33621	12817	Sisma X SLV	1.5E3	0	0	0	2.4E3	1.621	33622	12817	Sisma Y SLV	0	1.5E3	0	0	2.4E3	1.621
33623	12817	Sisma X SLO	813.3	0	0	0	2.4E3	1.621	33624	12817	Sisma Y SLO	0	813.3	0	0	2.4E3	1.621
33625	12817	Sisma X SLD	675.1	0	0	0	2.4E3	1.621	33626	12817	Sisma Y SLD	0	675.1	0	0	2.4E3	1.621
33627	12818	Sisma X SLV	2.0E3	0	0	0	3.0E3	1.622	33628	12818	Sisma Y SLV	0	2.0E3	0	0	3.0E3	1.622
33629	12818	Sisma X SLO	1.0E3	0	0	0	3.0E3	1.622	33630	12818	Sisma Y SLO	0	1.0E3	0	0	3.0E3	1.622
33631	12818	Sisma X SLD	863	0	0	0	3.0E3	1.622	33632	12818	Sisma Y SLD	0	863	0	0	3.0E3	1.622
33633	12819	Sisma X SLV	816.5	0	0	0	1.3E3	1.622	33634	12819	Sisma Y SLV	0	816.5	0	0	1.3E3	1.622
33635	12819	Sisma X SLO	435.3	0	0	0	1.3E3	1.622	33636	12819	Sisma Y SLO	0	435.3	0	0	1.3E3	1.622
33637	12819	Sisma X SLD	361.3	0	0	0	1.3E3	1.622	33638	12819	Sisma Y SLD	0	361.3	0	0	1.3E3	1.622
33639	12820	Sisma X SLV	1.4E3	0	0	0	2.2E3	1.622	33640	12820	Sisma Y SLV	0	1.4E3	0	0	2.2E3	1.622
33641	12820	Sisma X SLO	751.4	0	0	0	2.2E3	1.622	33642	12820	Sisma Y SLO	0	751.4	0	0	2.2E3	1.622
33643	12820	Sisma X SLD	623.7	0	0	0	2.2E3	1.622	33644	12820	Sisma Y SLD	0	623.7	0	0	2.2E3	1.622
33645	12821	Sisma X SLV	2.0E3	0	0	0	3.0E3	1.622	33646	12821	Sisma Y SLV	0	2.0E3	0	0	3.0E3	1.622
33647	12821	Sisma X SLO	1.0E3	0	0	0	3.0E3	1.622	33648	12821	Sisma Y SLO	0	1.0E3	0	0	3.0E3	1.622
33649	12821	Sisma X SLD	870.6	0	0	0	3.0E3	1.622	33650	12821	Sisma Y SLD	0	870.6	0	0	3.0E3	1.622
33651	12822	Sisma X SLV	79	0	0	0	1.2E2	1.632	33652	12822	Sisma Y SLV	0	79	0	0	1.2E2	1.632
33653	12822	Sisma X SLO	42.1	0	0	0	1.2E2	1.632	33654	12822	Sisma Y SLO	0	42.1	0	0	1.2E2	1.632
33655	12822	Sisma X SLD	35	0	0	0	1.2E2	1.632	33656	12822	Sisma Y SLD	0	35	0	0	1.2E2	1.632
33657	12823	Sisma X SLV	534.5	0	0	0	7.4E2	1.803	33658	12823	Sisma Y SLV	0	534.5	0	0	7.4E2	1.803
33659	12823	Sisma X SLO	284.9	0	0	0	7.4E2	1.803	33660	12823	Sisma Y SLO	0	284.9	0	0	7.4E2	1.803
33661	12823	Sisma X SLD	236.5	0	0	0	7.4E2	1.803	33662	12823	Sisma Y SLD	0	236.5	0	0	7.4E2	1.803
33663	12824	Sisma X SLV	873.2	0	0	0	1.2E3	1.804	33664	12824	Sisma Y SLV	0	873.2	0	0	1.2E3	1.804
33665	12824	Sisma X SLO	465.5	0	0	0	1.2E3	1.804	33666	12824	Sisma Y SLO	0	465.5	0	0	1.2E3	1.804
33667	12824	Sisma X SLD	386.4	0	0	0	1.2E3	1.804	33668	12824	Sisma Y SLD	0	386.4	0	0	1.2E3	1.804
33669	12825	Sisma X SLV	449.6	0	0	0	6.2E2	1.818	33670	12825	Sisma Y SLV	0	449.6	0	0	6.2E2	1.818
33671	12825	Sisma X SLO	239.7	0	0	0	6.2E2	1.818	33672	12825	Sisma Y SLO	0	239.7	0	0	6.2E2	1.818
33673	12825	Sisma X SLD	199	0	0	0	6.2E2	1.818	33674	12825	Sisma Y SLD	0	199	0	0	6.2E2	1.818
33675	12826	Sisma X SLV	530.7	0	0	0	7.3E2	1.82	33676	12826	Sisma Y SLV	0	530.7	0	0	7.3E2	1.82
33677	12826	Sisma X SLO	283	0	0	0	7.3E2	1.82	33678	12826	Sisma Y SLO	0	283	0	0	7.3E2	1.82
33679	12826	Sisma X SLD	234.9	0	0	0	7.3E2	1.82	33680	12826	Sisma Y SLD	0	234.9	0	0	7.3E2	1.82
33681	12827	Sisma X SLV	3.4E3	0	0	0	4.3E3	1.968	33682	12827	Sisma Y SLV	0	3.4E3	0	0	4.3E3	1.968
33683	12827	Sisma X SLO	1.8E3	0	0	0	4.3E3	1.968	33684	12827	Sisma Y SLO	0	1.8E3	0	0	4.3E3	1.968
33685	12827	Sisma X SLD	1.5E3	0	0	0	4.3E3	1.968	33686	12827	Sisma Y SLD	0	1.5E3	0	0	4.3E3	1.968
33687	12828	Sisma X SLV	1.7E3	0	0	0	2.1E3	1.969	33688	12828	Sisma Y SLV	0	1.7E3	0	0	2.1E3	1.969
33689	12828	Sisma X SLO	892.6	0	0	0	2.1E3	1.969	33690	12828	Sisma Y SLO	0	892.6	0	0	2.1E3	1.969
33691	12828	Sisma X SLD	740.9	0	0	0	2.1E3	1.969	33692	12828	Sisma Y SLD	0	740.9	0	0	2.1E3	1.969
33693	12829	Sisma X SLV	467	0	0	0	5.9E2	1.971	33694	12829	Sisma Y SLV	0	467	0	0	5.9E2	1.971
33695	12829	Sisma X SLO	249	0	0	0	5.9E2	1.971	33696	12829	Sisma Y SLO	0	249	0	0	5.9E2	1.971
33697	12829	Sisma X SLD	206.7	0	0	0	5.9E2	1.971	33698	12829	Sisma Y SLD	0	206.7	0	0	5.9E2	1.971
33699	12830	Sisma X SLV	2.4E3	0	0	0	3.0E3	1.971	33700	12830	Sisma Y SLV	0	2.4E3	0	0	3.0E3	1.971
33701	12830	Sisma X SLO	1.3E3	0	0	0	3.0E3	1.971	33702	12830	Sisma Y SLO	0	1.3E3	0	0	3.0E3	1.971
33703	12830	Sisma X SLD	1.1E3	0	0	0	3.0E3	1.971	33704	12830	Sisma Y SLD	0	1.1E3	0	0	3.0E3	1.971
33705	12831	Sisma X SLV	4.3E3	0	0	0	5.4E3	1.971	33706	12831	Sisma Y SLV	0	4.3E3	0	0	5.4E3	1.971
33707	12831	Sisma X SLO	2266	0	0	0	5.4E3	1.971	33708	12831	Sisma Y SLO	0	2266	0	0	5.4E3	1.971
33709	12831	Sisma X SLD	1.9E3	0	0	0	5.4E3	1.971	33710	12831	Sisma Y SLD	0	1.9E3	0	0	5.4E3	1.971
33711	12832	Sisma X SLV	1.7E3	0	0	0	2.2E3	1.971	33712	12832	Sisma Y SLV	0	1.7E3	0	0	2.2E3	1.971

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
33713	12832	Sisma X SLO	915.3	0	0	0	2.2E3	1.971	33714	12832	Sisma Y SLO	0	915.3	0	0	2.2E3	1.971
33715	12832	Sisma X SLD	759.8	0	0	0	2.2E3	1.971	33716	12832	Sisma Y SLD	0	759.8	0	0	2.2E3	1.971
33717	12833	Sisma X SLV	2.4E3	0	0	0	3.0E3	1.972	33718	12833	Sisma Y SLV	0	2.4E3	0	0	3.0E3	1.972
33719	12833	Sisma X SLO	1.3E3	0	0	0	3.0E3	1.972	33720	12833	Sisma Y SLO	0	1.3E3	0	0	3.0E3	1.972
33721	12833	Sisma X SLD	1.1E3	0	0	0	3.0E3	1.972	33722	12833	Sisma Y SLD	0	1.1E3	0	0	3.0E3	1.972
33723	12834	Sisma X SLV	2212	0	0	0	2.8E3	1.972	33724	12834	Sisma Y SLV	0	2212	0	0	2.8E3	1.972
33725	12834	Sisma X SLO	1.2E3	0	0	0	2.8E3	1.972	33726	12834	Sisma Y SLO	0	1.2E3	0	0	2.8E3	1.972
33727	12834	Sisma X SLD	978.9	0	0	0	2.8E3	1.972	33728	12834	Sisma Y SLD	0	978.9	0	0	2.8E3	1.972
33729	12835	Sisma X SLV	1.9E3	0	0	0	2.4E3	1.972	33730	12835	Sisma Y SLV	0	1.9E3	0	0	2.4E3	1.972
33731	12835	Sisma X SLO	1.0E3	0	0	0	2.4E3	1.972	33732	12835	Sisma Y SLO	0	1.0E3	0	0	2.4E3	1.972
33733	12835	Sisma X SLD	843.8	0	0	0	2.4E3	1.972	33734	12835	Sisma Y SLD	0	843.8	0	0	2.4E3	1.972
33735	12836	Sisma X SLV	2.3E3	0	0	0	2.9E3	1.973	33736	12836	Sisma Y SLV	0	2.3E3	0	0	2.9E3	1.973
33737	12836	Sisma X SLO	1.2E3	0	0	0	2.9E3	1.973	33738	12836	Sisma Y SLO	0	1.2E3	0	0	2.9E3	1.973
33739	12836	Sisma X SLD	1.0E3	0	0	0	2.9E3	1.973	33740	12836	Sisma Y SLD	0	1.0E3	0	0	2.9E3	1.973
33741	12837	Sisma X SLV	2.3E3	0	0	0	3.0E3	1.973	33742	12837	Sisma Y SLV	0	2.3E3	0	0	3.0E3	1.973
33743	12837	Sisma X SLO	1.2E3	0	0	0	3.0E3	1.973	33744	12837	Sisma Y SLO	0	1.2E3	0	0	3.0E3	1.973
33745	12837	Sisma X SLD	1.0E3	0	0	0	3.0E3	1.973	33746	12837	Sisma Y SLD	0	1.0E3	0	0	3.0E3	1.973
33747	12838	Sisma X SLV	4.7E3	0	0	0	6.0E3	1.973	33748	12838	Sisma Y SLV	0	4.7E3	0	0	6.0E3	1.973
33749	12838	Sisma X SLO	2.5E3	0	0	0	6.0E3	1.973	33750	12838	Sisma Y SLO	0	2.5E3	0	0	6.0E3	1.973
33751	12838	Sisma X SLD	2.1E3	0	0	0	6.0E3	1.973	33752	12838	Sisma Y SLD	0	2.1E3	0	0	6.0E3	1.973
33753	12839	Sisma X SLV	2.5E3	0	0	0	3.1E3	1.973	33754	12839	Sisma Y SLV	0	2.5E3	0	0	3.1E3	1.973
33755	12839	Sisma X SLO	1309	0	0	0	3.1E3	1.973	33756	12839	Sisma Y SLO	0	1309	0	0	3.1E3	1.973
33757	12839	Sisma X SLD	1.1E3	0	0	0	3.1E3	1.973	33758	12839	Sisma Y SLD	0	1.1E3	0	0	3.1E3	1.973
33759	12840	Sisma X SLV	4.4E3	0	0	0	5.5E3	1.973	33760	12840	Sisma Y SLV	0	4.4E3	0	0	5.5E3	1.973
33761	12840	Sisma X SLO	2.3E3	0	0	0	5.5E3	1.973	33762	12840	Sisma Y SLO	0	2.3E3	0	0	5.5E3	1.973
33763	12840	Sisma X SLD	1.9E3	0	0	0	5.5E3	1.973	33764	12840	Sisma Y SLD	0	1.9E3	0	0	5.5E3	1.973
33765	12841	Sisma X SLV	4.6E3	0	0	0	5.9E3	1.973	33766	12841	Sisma Y SLV	0	4.6E3	0	0	5.9E3	1.973
33767	12841	Sisma X SLO	2.5E3	0	0	0	5.9E3	1.973	33768	12841	Sisma Y SLO	0	2.5E3	0	0	5.9E3	1.973
33769	12841	Sisma X SLD	2.0E3	0	0	0	5.9E3	1.973	33770	12841	Sisma Y SLD	0	2.0E3	0	0	5.9E3	1.973
33771	12842	Sisma X SLV	2.7E3	0	0	0	3.4E3	1.973	33772	12842	Sisma Y SLV	0	2.7E3	0	0	3.4E3	1.973
33773	12842	Sisma X SLO	1.4E3	0	0	0	3.4E3	1.973	33774	12842	Sisma Y SLO	0	1.4E3	0	0	3.4E3	1.973
33775	12842	Sisma X SLD	1192	0	0	0	3.4E3	1.973	33776	12842	Sisma Y SLD	0	1192	0	0	3.4E3	1.973
33777	12843	Sisma X SLV	4.9E3	0	0	0	6.2E3	1.973	33778	12843	Sisma Y SLV	0	4.9E3	0	0	6.2E3	1.973
33779	12843	Sisma X SLO	2.6E3	0	0	0	6.2E3	1.973	33780	12843	Sisma Y SLO	0	2.6E3	0	0	6.2E3	1.973
33781	12843	Sisma X SLD	2.2E3	0	0	0	6.2E3	1.973	33782	12843	Sisma Y SLD	0	2.2E3	0	0	6.2E3	1.973
33783	12844	Sisma X SLV	1.7E3	0	0	0	2.1E3	1.973	33784	12844	Sisma Y SLV	0	1.7E3	0	0	2.1E3	1.973
33785	12844	Sisma X SLO	893.9	0	0	0	2.1E3	1.973	33786	12844	Sisma Y SLO	0	893.9	0	0	2.1E3	1.973
33787	12844	Sisma X SLD	742	0	0	0	2.1E3	1.973	33788	12844	Sisma Y SLD	0	742	0	0	2.1E3	1.973
33789	12845	Sisma X SLV	4497	0	0	0	5.7E3	1.974	33790	12845	Sisma Y SLV	0	4497	0	0	5.7E3	1.974
33791	12845	Sisma X SLO	2.4E3	0	0	0	5.7E3	1.974	33792	12845	Sisma Y SLO	0	2.4E3	0	0	5.7E3	1.974
33793	12845	Sisma X SLD	2.0E3	0	0	0	5.7E3	1.974	33794	12845	Sisma Y SLD	0	2.0E3	0	0	5.7E3	1.974
33795	12846	Sisma X SLV	1.1E3	0	0	0	1.3E3	1.974	33796	12846	Sisma Y SLV	0	1.1E3	0	0	1.3E3	1.974
33797	12846	Sisma X SLO	564.5	0	0	0	1.3E3	1.974	33798	12846	Sisma Y SLO	0	564.5	0	0	1.3E3	1.974
33799	12846	Sisma X SLD	468.6	0	0	0	1.3E3	1.974	33800	12846	Sisma Y SLD	0	468.6	0	0	1.3E3	1.974
33801	12847	Sisma X SLV	2.0E3	0	0	0	2.5E3	1.974	33802	12847	Sisma Y SLV	0	2.0E3	0	0	2.5E3	1.974
33803	12847	Sisma X SLO	1.1E3	0	0	0	2.5E3	1.974	33804	12847	Sisma Y SLO	0	1.1E3	0	0	2.5E3	1.974
33805	12847	Sisma X SLD	889.1	0	0	0	2.5E3	1.974	33806	12847	Sisma Y SLD	0	889.1	0	0	2.5E3	1.974
33807	12848	Sisma X SLV	2.3E3	0	0	0	2.9E3	1.974	33808	12848	Sisma Y SLV	0	2.3E3	0	0	2.9E3	1.974
33809	12848	Sisma X SLO	1.2E3	0	0	0	2.9E3	1.974	33810	12848	Sisma Y SLO	0	1.2E3	0	0	2.9E3	1.974
33811	12848	Sisma X SLD	1.0E3	0	0	0	2.9E3	1.974	33812	12848	Sisma Y SLD	0	1.0E3	0	0	2.9E3	1.974
33813	12849	Sisma X SLV	2.2E3	0	0	0	2.8E3	1.975	33814	12849	Sisma Y SLV	0	2.2E3	0	0	2.8E3	1.975
33815	12849	Sisma X SLO	1.2E3	0	0	0	2.8E3	1.975	33816	12849	Sisma Y SLO	0	1.2E3	0	0	2.8E3	1.975
33817	12849	Sisma X SLD	969.9	0	0	0	2.8E3	1.975	33818	12849	Sisma Y SLD	0	969.9	0	0	2.8E3	1.975
33819	12850	Sisma X SLV	2.4E3	0	0	0	3.0E3	1.975	33820	12850	Sisma Y SLV	0	2.4E3	0	0	3.0E3	1.975
33821	12850	Sisma X SLO	1.3E3	0	0	0	3.0E3	1.975	33822	12850	Sisma Y SLO	0	1.3E3	0	0	3.0E3	1.975
33823	12850	Sisma X SLD	1.1E3	0	0	0	3.0E3	1.975	33824	12850	Sisma Y SLD	0	1.1E3	0	0	3.0E3	1.975
33825	12851	Sisma X SLV	606.9	0	0	0	7.7E2	1.975	33826	12851	Sisma Y SLV	0	606.9	0	0	7.7E2	1.975
33827	12851	Sisma X SLO	323.5	0	0	0	7.7E2	1.975	33828	12851	Sisma Y SLO	0	323.5	0	0	7.7E2	1.975
33829	12851	Sisma X SLD	268.6	0	0	0	7.7E2	1.975	33830	12851	Sisma Y SLD	0	268.6	0	0	7.7E2	1.975
33831	12852	Sisma X SLV	2.4E3	0	0	0	3.0E3	1.975	33832	12852	Sisma Y SLV	0	2.4E3	0	0	3.0E3	1.975
33833	12852	Sisma X SLO	1.3E3	0	0	0	3.0E3	1.975	33834	12852	Sisma Y SLO	0	1.3E3	0	0	3.0E3	1.975
33835	12852	Sisma X SLD	1.0E3	0	0	0	3.0E3	1.975	33836	12852	Sisma Y SLD	0	1.0E3	0	0	3.0E3	1.975
33837	12853	Sisma X SLV	1.7E3	0	0	0	2.2E3	1.975	33838	12853	Sisma Y SLV	0	1.7E3	0	0	2.2E3	1.975
33839	12853	Sisma X SLO	927.1	0	0	0	2.2E3	1.975	33840	12853	Sisma Y SLO	0	927.1	0	0	2.2E3	1.975
33841	12853	Sisma X SLD	769.5	0	0	0	2.2E3	1.975	33842	12853	Sisma Y SLD	0	769.5	0	0	2.2E3	1.975
33843	12854	Sisma X SLV	1.9E3	0	0	0	2.5E3	1.975	33844	12854	Sisma Y SLV	0	1.9E3	0	0	2.5E3	1.975
33845	12854	Sisma X SLO	1.0E3	0	0	0	2.5E3	1.975	33846	12854	Sisma Y SLO	0	1.0E3	0	0	2.5E3	1.975
33847	12854	Sisma X SLD	856	0	0	0	2.5E3	1.975	33848	12854	Sisma Y SLD	0	856	0	0	2.5E3	1.975
33849	12855	Sisma X SLV	2220	0	0	0	2.8E3	1.976	33850	12855	Sisma Y SLV	0	2220	0	0	2.8E3	1.976
33851	12855	Sisma X SLO	1.2E3	0	0	0	2.8E3	1.976	33852	12855	Sisma Y SLO	0	1.2E3	0	0	2.8E3	1.976
33853	12855	Sisma X SLD	982.4	0	0	0	2.8E3	1.976	33854	12855	Sisma Y SLD	0	982.4	0	0	2.8E3	1.976
33855	12856	Sisma X SLV	2.4E3	0	0	0	3.0E3	1.976	33856	12856	Sisma Y SLV	0	2.4E3	0	0	3.0E3	1.976
33857	12856	Sisma X SLO	1.3E3	0	0	0	3.0E3	1.976	33858	12856	Sisma Y SLO	0	1.3E3	0	0	3.0E3	1.976
33859	12856	Sisma X SLD	1.0E3	0	0	0	3.0E3	1.976	33860	12856	Sisma Y SLD	0	1.0E3	0	0	3.0E3	1.976
33861	12857	Sisma X SLV	25.4	0	0	0	3.2E1	1.989	33862	12857	Sisma Y SLV	0	25.4	0	0	3.2E1	1.989
33863	12857	Sisma X SLO	13.5	0	0	0	3.2E1	1.989	33864	12857	Sisma Y SLO	0	13.5	0	0	3.2E1	1.989
33865	12857	Sisma X SLD	11.2	0	0	0	3.2E1	1.989	33866	12857	Sisma Y SLD	0	11.2	0	0	3.2E1	1.989
33867	12858	Sisma X SLV	162.2	0	0	0	2.0E2	1.989	33868	12858	Sisma Y SLV	0	162.2	0	0	2.0E2	1.989
33869	12858	Sisma X SLO	86.5	0	0	0	2.0E2	1.989	33870	12858	Sisma Y SLO	0	86.5	0	0	2.0E2	1.989
33871	12858	Sisma X SLD	71.8	0	0	0	2.0E2	1.989	33872	12858	Sisma Y SLD	0	71.8	0	0	2.0E2	1.989
33873	12859	Sisma X SLV	550.6	0	0	0	6.9E2	1.989	33874	12859	Sisma Y SLV	0	550.6	0	0	6.9E2	1.989
33875	12859	Sisma X SLO	293.5	0	0	0	6.9E2	1.989	33876	12859	Sisma Y SLO	0	293.5	0	0	6.9E2	1.989
33877	12859	Sisma X SLD	243.7	0	0	0	6.9E2	1.989	33878	12859	Sisma Y SLD	0	243.7	0	0	6.9E2	1.989
33879	12860	Sisma X SLV	560.8	0	0	0	7.1E2	1.989	33880	12860	Sisma Y SLV	0	560.8	0	0	7.1E2	1.989
33881	12860	Sisma X SLO	299	0	0	0	7.1E2	1.989	33882	12860	Sisma Y SLO	0	299	0	0	7.1E2	1.989
33883	12860	Sisma X SLD	248.2	0	0	0	7.1E2	1.989	33884	12860	Sisma Y SLD	0	248.2	0	0	7.1E2	1.989
33885	12861	Sisma X SLV	25.4	0	0	0	3.2E1	1.989	33886	12861	Sisma Y SLV	0	25.4	0	0	3.2E1	1.989
33887	12861	Sisma X SLO	13.5	0	0	0	3.2E1	1.989	33888	12861	Sisma Y SLO	0	13.5	0	0	3.2E1	1.989
33889	12861	Sisma X SLD	11.2	0	0	0	3.2E1	1.989	33890	12861	Sisma Y SLD	0	11.2	0	0	3.2E1	1.989
33891	12862	Sisma X SLV	628	0	0	0	7.9E2	1.989	33892	12862	Sisma Y SLV	0	628	0	0	7.9E2	1.989
33893	12862	Sisma X SLO	334.8	0	0	0	7.9E2	1.989	33894	12862	Sisma Y SLO	0	334.8	0	0	7.9E2	1.989
33895	12862	Sisma X SLD	277.9	0	0	0	7.9E2	1.989	33896	12862	Sisma Y SLD	0	277.9	0	0	7.9E2	1.989
33897	12863	Sisma X SLV	25.4	0	0	0	3.2E1	1.989	33898	12863	Sisma Y SLV	0	25.4	0	0	3.2E1	1.989
33899	12863	Sisma X SLO	13.5	0	0	0	3.2E1	1.989	33900	12863	Sisma Y SLO	0	13.5	0	0	3.2E1	1.989
33901	12863	Sisma X SLD	11.2	0	0	0	3.2E1	1.989	33902	12863	Sisma Y SLD	0	11.2	0	0	3.2E1	1.989
33903	12864	Sisma X SLV	619.9	0	0	0	7.8E2	1.989	33904	12864	Sisma Y SLV	0	619.9	0	0	7.8E2	1.989
33905	12864	Sisma X SLO	330.5	0	0	0	7.8E2	1.989	33906	12864	Sisma Y SLO	0	330.5	0	0	7.8E2	1.989
33907	12864	Sisma X SLD	274.4	0	0	0	7.8E2	1.989	33908	12864	Sisma Y SLD	0	274.4	0	0	7.8E2	1.989
33909	12865	Sisma X SLV	754.8	0	0	0	9.5E2	1.989	33910	12865	Sisma Y SLV	0	754.8	0	0	9.5E2	1.989
33911	12865	Sisma X SLO	402.4	0	0	0	9.5E2	1.989	33912	12865	Sisma Y SLO	0	402.4	0	0	9.5E2	1.989

Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ	Indice	Nodo	Condizione	Fx	Fy	Fz	Mz	Peso	γ
33913	12865	Sisma X SLD	334	0	0	0	9.5E2	1.989	33914	12865	Sisma Y SLD	0	334	0	0	9.5E2	1.989
33915	12866	Sisma X SLV	593.9	0	0	0	7.5E2	1.989	33916	12866	Sisma Y SLV	0	593.9	0	0	7.5E2	1.989
33917	12866	Sisma X SLO	316.6	0	0	0	7.5E2	1.989	33918	12866	Sisma Y SLO	0	316.6	0	0	7.5E2	1.989
33919	12866	Sisma X SLD	262.8	0	0	0	7.5E2	1.989	33920	12866	Sisma Y SLD	0	262.8	0	0	7.5E2	1.989
33921	12867	Sisma X SLV	25.4	0	0	0	3.2E1	1.989	33922	12867	Sisma Y SLV	0	25.4	0	0	3.2E1	1.989
33923	12867	Sisma X SLO	13.5	0	0	0	3.2E1	1.989	33924	12867	Sisma Y SLO	0	13.5	0	0	3.2E1	1.989
33925	12867	Sisma X SLD	11.2	0	0	0	3.2E1	1.989	33926	12867	Sisma Y SLD	0	11.2	0	0	3.2E1	1.989
33927	12868	Sisma X SLV	25.4	0	0	0	3.2E1	1.989	33928	12868	Sisma Y SLV	0	25.4	0	0	3.2E1	1.989
33929	12868	Sisma X SLO	13.5	0	0	0	3.2E1	1.989	33930	12868	Sisma Y SLO	0	13.5	0	0	3.2E1	1.989
33931	12868	Sisma X SLD	11.2	0	0	0	3.2E1	1.989	33932	12868	Sisma Y SLD	0	11.2	0	0	3.2E1	1.989
33933	12869	Sisma X SLV	37.8	0	0	0	4.8E1	1.989	33934	12869	Sisma Y SLV	0	37.8	0	0	4.8E1	1.989
33935	12869	Sisma X SLO	20.2	0	0	0	4.8E1	1.989	33936	12869	Sisma Y SLO	0	20.2	0	0	4.8E1	1.989
33937	12869	Sisma X SLD	16.7	0	0	0	4.8E1	1.989	33938	12869	Sisma Y SLD	0	16.7	0	0	4.8E1	1.989
33939	12870	Sisma X SLV	2.3	0	0	0	2.844	1.989	33940	12870	Sisma Y SLV	0	2.3	0	0	2.844	1.989
33941	12870	Sisma X SLO	1.2	0	0	0	2.844	1.989	33942	12870	Sisma Y SLO	0	1.2	0	0	2.844	1.989
33943	12870	Sisma X SLD	1	0	0	0	2.844	1.989	33944	12870	Sisma Y SLD	0	1	0	0	2.844	1.989
33945	12871	Sisma X SLV	25.4	0	0	0	3.2E1	1.989	33946	12871	Sisma Y SLV	0	25.4	0	0	3.2E1	1.989
33947	12871	Sisma X SLO	13.5	0	0	0	3.2E1	1.989	33948	12871	Sisma Y SLO	0	13.5	0	0	3.2E1	1.989
33949	12871	Sisma X SLD	11.2	0	0	0	3.2E1	1.989	33950	12871	Sisma Y SLD	0	11.2	0	0	3.2E1	1.989
33951	12872	Sisma X SLV	25.4	0	0	0	3.2E1	1.989	33952	12872	Sisma Y SLV	0	25.4	0	0	3.2E1	1.989
33953	12872	Sisma X SLO	13.5	0	0	0	3.2E1	1.989	33954	12872	Sisma Y SLO	0	13.5	0	0	3.2E1	1.989
33955	12872	Sisma X SLD	11.2	0	0	0	3.2E1	1.989	33956	12872	Sisma Y SLD	0	11.2	0	0	3.2E1	1.989
33957	12873	Sisma X SLV	25.4	0	0	0	3.2E1	1.989	33958	12873	Sisma Y SLV	0	25.4	0	0	3.2E1	1.989
33959	12873	Sisma X SLO	13.5	0	0	0	3.2E1	1.989	33960	12873	Sisma Y SLO	0	13.5	0	0	3.2E1	1.989
33961	12873	Sisma X SLD	11.2	0	0	0	3.2E1	1.989	33962	12873	Sisma Y SLD	0	11.2	0	0	3.2E1	1.989
33963	12874	Sisma X SLV	25.4	0	0	0	3.2E1	1.989	33964	12874	Sisma Y SLV	0	25.4	0	0	3.2E1	1.989
33965	12874	Sisma X SLO	13.5	0	0	0	3.2E1	1.989	33966	12874	Sisma Y SLO	0	13.5	0	0	3.2E1	1.989
33967	12874	Sisma X SLD	11.2	0	0	0	3.2E1	1.989	33968	12874	Sisma Y SLD	0	11.2	0	0	3.2E1	1.989
33969	12875	Sisma X SLV	64.3	0	0	0	8.1E1	1.989	33970	12875	Sisma Y SLV	0	64.3	0	0	8.1E1	1.989
33971	12875	Sisma X SLO	34.3	0	0	0	8.1E1	1.989	33972	12875	Sisma Y SLO	0	34.3	0	0	8.1E1	1.989
33973	12875	Sisma X SLD	28.4	0	0	0	8.1E1	1.989	33974	12875	Sisma Y SLD	0	28.4	0	0	8.1E1	1.989
33975	12876	Sisma X SLV	75.1	0	0	0	9.4E1	1.989	33976	12876	Sisma Y SLV	0	75.1	0	0	9.4E1	1.989
33977	12876	Sisma X SLO	40	0	0	0	9.4E1	1.989	33978	12876	Sisma Y SLO	0	40	0	0	9.4E1	1.989
33979	12876	Sisma X SLD	33.2	0	0	0	9.4E1	1.989	33980	12876	Sisma Y SLD	0	33.2	0	0	9.4E1	1.989
33981	12877	Sisma X SLV	70.6	0	0	0	8.9E1	1.989	33982	12877	Sisma Y SLV	0	70.6	0	0	8.9E1	1.989
33983	12877	Sisma X SLO	37.7	0	0	0	8.9E1	1.989	33984	12877	Sisma Y SLO	0	37.7	0	0	8.9E1	1.989
33985	12877	Sisma X SLD	31.3	0	0	0	8.9E1	1.989	33986	12877	Sisma Y SLD	0	31.3	0	0	8.9E1	1.989
33987	12878	Sisma X SLV	76.8	0	0	0	9.7E1	1.989	33988	12878	Sisma Y SLV	0	76.8	0	0	9.7E1	1.989
33989	12878	Sisma X SLO	40.9	0	0	0	9.7E1	1.989	33990	12878	Sisma Y SLO	0	40.9	0	0	9.7E1	1.989
33991	12878	Sisma X SLD	34	0	0	0	9.7E1	1.989	33992	12878	Sisma Y SLD	0	34	0	0	9.7E1	1.989
33993	12879	Sisma X SLV	74.6	0	0	0	9.4E1	1.989	33994	12879	Sisma Y SLV	0	74.6	0	0	9.4E1	1.989
33995	12879	Sisma X SLO	39.8	0	0	0	9.4E1	1.989	33996	12879	Sisma Y SLO	0	39.8	0	0	9.4E1	1.989
33997	12879	Sisma X SLD	33	0	0	0	9.4E1	1.989	33998	12879	Sisma Y SLD	0	33	0	0	9.4E1	1.989
33999	12880	Sisma X SLV	74.3	0	0	0	93.48	1.989	34000	12880	Sisma Y SLV	0	74.3	0	0	93.48	1.989
34001	12880	Sisma X SLO	39.6	0	0	0	93.48	1.989	34002	12880	Sisma Y SLO	0	39.6	0	0	93.48	1.989
34003	12880	Sisma X SLD	32.9	0	0	0	93.48	1.989	34004	12880	Sisma Y SLD	0	32.9	0	0	93.48	1.989
34005	12881	Sisma X SLV	96.9	0	0	0	1.2E2	1.989	34006	12881	Sisma Y SLV	0	96.9	0	0	1.2E2	1.989
34007	12881	Sisma X SLO	51.7	0	0	0	1.2E2	1.989	34008	12881	Sisma Y SLO	0	51.7	0	0	1.2E2	1.989
34009	12881	Sisma X SLD	42.9	0	0	0	1.2E2	1.989	34010	12881	Sisma Y SLD	0	42.9	0	0	1.2E2	1.989
34011	12882	Sisma X SLV	39.8	0	0	0	5.0E1	1.989	34012	12882	Sisma Y SLV	0	39.8	0	0	5.0E1	1.989
34013	12882	Sisma X SLO	21.2	0	0	0	5.0E1	1.989	34014	12882	Sisma Y SLO	0	21.2	0	0	5.0E1	1.989
34015	12882	Sisma X SLD	17.6	0	0	0	5.0E1	1.989	34016	12882	Sisma Y SLD	0	17.6	0	0	5.0E1	1.989
34017	12883	Sisma X SLV	104.6	0	0	0	1.3E2	1.989	34018	12883	Sisma Y SLV	0	104.6	0	0	1.3E2	1.989
34019	12883	Sisma X SLO	55.7	0	0	0	1.3E2	1.989	34020	12883	Sisma Y SLO	0	55.7	0	0	1.3E2	1.989
34021	12883	Sisma X SLD	46.3	0	0	0	1.3E2	1.989	34022	12883	Sisma Y SLD	0	46.3	0	0	1.3E2	1.989
34023	12884	Sisma X SLV	25.4	0	0	0	3.2E1	1.989	34024	12884	Sisma Y SLV	0	25.4	0	0	3.2E1	1.989
34025	12884	Sisma X SLO	13.5	0	0	0	3.2E1	1.989	34026	12884	Sisma Y SLO	0	13.5	0	0	3.2E1	1.989
34027	12884	Sisma X SLD	11.2	0	0	0	3.2E1	1.989	34028	12884	Sisma Y SLD	0	11.2	0	0	3.2E1	1.989
34029	12885	Sisma X SLV	25.4	0	0	0	3.2E1	1.989	34030	12885	Sisma Y SLV	0	25.4	0	0	3.2E1	1.989
34031	12885	Sisma X SLO	13.5	0	0	0	3.2E1	1.989	34032	12885	Sisma Y SLO	0	13.5	0	0	3.2E1	1.989
34033	12885	Sisma X SLD	11.2	0	0	0	3.2E1	1.989	34034	12885	Sisma Y SLD	0	11.2	0	0	3.2E1	1.989
34035	12886	Sisma X SLV	2.1E3	0	0	0	2.7E3	1.999	34036	12886	Sisma Y SLV	0	2.1E3	0	0	2.7E3	1.999
34037	12886	Sisma X SLO	1.1E3	0	0	0	2.7E3	1.999	34038	12886	Sisma Y SLO	0	1.1E3	0	0	2.7E3	1.999
34039	12886	Sisma X SLD	938.7	0	0	0	2.7E3	1.999	34040	12886	Sisma Y SLD	0	938.7	0	0	2.7E3	1.999

2.4 Aste

2.4.1 Carichi su aste

2.4.1.1 Carichi trapezoidali locali

***Indice asta**: indice dell'asta a cui si riferisce il carico trapezoidale.*
***Condizione**: condizione elementare di carico a cui si riferisce il carico.*
***Posizione iniziale**: posizione iniziale del carico sull'asse locale 1. [cm]*
***F1 iniziale**: componente del valore iniziale del carico lungo l'asse locale 1. [daN/cm]*
***F2 iniziale**: componente del valore iniziale del carico lungo l'asse locale 2. [daN/cm]*
***F3 iniziale**: componente del valore iniziale del carico lungo l'asse locale 3. [daN/cm]*
***Posizione finale**: posizione finale del carico sull'asse locale 1. [cm]*
***F1 finale**: componente del valore finale del carico lungo l'asse locale 1. [daN/cm]*
***F2 finale**: componente del valore finale del carico lungo l'asse locale 2. [daN/cm]*
***F3 finale**: componente del valore finale del carico lungo l'asse locale 3. [daN/cm]*

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
651	Pesi strutturali	0.1	0	-16.601	0	148.8	0	-16.601	0
651	Permanenti portati	0.1	0	-12.256	0	148.8	0	-12.256	0
651	Variabile C	0.1	0	-15.32	0	148.8	0	-15.32	0
652	Pesi strutturali	0	0	-16.601	0	148.8	0	-16.601	0
652	Permanenti portati	0	0	-12.256	0	148.8	0	-12.256	0
652	Variabile C	0	0	-15.32	0	148.8	0	-15.32	0
653	Pesi strutturali	0	0	-16.601	0	128.8	0	-16.601	0
653	Permanenti portati	0	0	-12.256	0	128.8	0	-12.256	0
653	Variabile C	0	0	-15.32	0	128.8	0	-15.32	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
654	Pesi strutturali	0	0	-16.601	0	128.7	0	-16.601	0
654	Permanenti portati	0	0	-12.256	0	128.7	0	-12.256	0
654	Variabile C	0	0	-15.32	0	128.7	0	-15.32	0
655	Pesi strutturali	0	0	-16.601	0	152.5	0	-16.601	0
655	Permanenti portati	0	0	-12.256	0	152.5	0	-12.256	0
655	Variabile C	0	0	-15.32	0	152.5	0	-15.32	0
656	Pesi strutturali	0	0	-16.601	0	152.5	0	-16.601	0
656	Permanenti portati	0	0	-12.256	0	152.5	0	-12.256	0
656	Variabile C	0	0	-15.32	0	152.5	0	-15.32	0
657	Pesi strutturali	0	0	-16.601	0	153.8	0	-16.602	0
657	Permanenti portati	0	0	-12.256	0	153.8	0	-12.256	0
657	Variabile C	0	0	-15.32	0	153.8	0	-15.32	0
658	Pesi strutturali	0	0	-16.602	0	153.8	0	-16.602	0
658	Permanenti portati	0	0	-12.256	0	153.8	0	-12.256	0
658	Variabile C	0	0	-15.32	0	153.8	0	-15.32	0
659	Pesi strutturali	0	0	-16.602	0	135	0	-16.602	0
659	Permanenti portati	0	0	-12.256	0	135	0	-12.256	0
659	Variabile C	0	0	-15.32	0	135	0	-15.32	0
660	Pesi strutturali	0	0	-16.602	0	135	0	-16.602	0
660	Permanenti portati	0	0	-12.256	0	135	0	-12.256	0
660	Variabile C	0	0	-15.32	0	135	0	-15.321	0
661	Pesi strutturali	0	0	-16.602	0	153.7	0	-16.602	0
661	Permanenti portati	0	0	-12.256	0	153.7	0	-12.256	0
661	Variabile C	0	0	-15.321	0	153.7	0	-15.321	0
662	Pesi strutturali	0	0	-16.602	0	153.7	0	-16.602	0
662	Permanenti portati	0	0	-12.256	0	153.7	0	-12.257	0
662	Variabile C	0	0	-15.321	0	153.7	0	-15.321	0
663	Pesi strutturali	0	0	-16.602	0	143.8	0	-16.602	0
663	Permanenti portati	0	0	-12.257	0	143.8	0	-12.257	0
663	Variabile C	0	0	-15.321	0	143.8	0	-15.321	0
664	Pesi strutturali	0	0	-16.602	0	143.8	0	-16.602	0
664	Permanenti portati	0	0	-12.257	0	143.8	0	-12.257	0
664	Variabile C	0	0	-15.321	0	143.8	0	-15.321	0
665	Pesi strutturali	0	0	-16.602	0	80	0	-16.602	0
665	Permanenti portati	0	0	-12.257	0	80	0	-12.257	0
665	Variabile C	0	0	-15.321	0	80	0	-15.321	0
670	Permanenti portati	0	0	-0.029	0	148.7	0	-0.026	0
670	Variabile C	0	0	-0.036	0	148.7	0	-0.033	0
671	Permanenti portati	0	0	-0.026	0	148.8	0	-0.024	0
671	Variabile C	0	0	-0.033	0	148.8	0	-0.029	0
672	Permanenti portati	0	0	-0.024	0	184.6	0	-0.02	0
672	Variabile C	0	0	-0.029	0	184.6	0	-0.026	0
672	Pesi strutturali	184.6	0	-8.924	0	203.2	0	-8.924	0
672	Permanenti portati	184.6	0	-3.769	0	203.2	0	-3.768	0
672	Variabile C	184.6	0	-4.711	0	203.2	0	-4.71	0
672	Pesi strutturali	203.2	0	-4.799	0	207.1	0	-0.888	0
672	Permanenti portati	203.2	0	-3.408	0	207.1	0	-0.647	0
672	Variabile C	203.2	0	-4.26	0	207.1	0	-0.809	0
672	Permanenti portati	207.1	0	-0.02	0	207.2	0	-0.02	0
672	Variabile C	207.1	0	-0.025	0	207.2	0	-0.025	0
676	Pesi strutturali	0	0	-10.921	0	307.7	0	-10.921	0
676	Permanenti portati	0	0	-4.168	0	307.7	0	-4.168	0
676	Variabile C	0	0	-5.209	0	307.7	0	-5.209	0
677	Pesi strutturali	0	0	-10.921	0	0.1	0	-10.921	0
677	Permanenti portati	0	0	-4.167	0	0.1	0	-4.167	0
677	Variabile C	0	0	-5.209	0	0.1	0	-5.209	0
677	Pesi strutturali	0.1	0	-35.727	0	22.2	0	-35.733	0
677	Permanenti portati	0.1	0	-12.323	0	22.2	0	-12.325	0
677	Variabile C	0.1	0	-15.404	0	22.2	0	-15.406	0
677	Pesi strutturali	22.2	0	-21.682	0	22.5	0	-21.682	0
677	Permanenti portati	22.2	0	-7.705	0	22.5	0	-7.705	0
677	Variabile C	22.2	0	-9.631	0	22.5	0	-9.631	0
678	Pesi strutturali	0	0	-21.682	0	307.7	0	-21.682	0
678	Permanenti portati	0	0	-7.705	0	307.7	0	-7.705	0
678	Variabile C	0	0	-9.632	0	307.7	0	-9.632	0
678	Pesi strutturali	307.7	0	-26.424	0	309.3	0	-21.682	0
678	Permanenti portati	307.7	0	-9.264	0	309.3	0	-7.705	0
678	Variabile C	307.7	0	-11.581	0	309.3	0	-9.632	0
678	Pesi strutturali	309.3	0	-11.526	0	311.1	0	-21.682	0
678	Permanenti portati	309.3	0	-4.078	0	311.1	0	-7.705	0
678	Variabile C	309.3	0	-5.097	0	311.1	0	-9.632	0
678	Pesi strutturali	311.1	0	-21.682	0	330.2	0	-21.682	0
678	Permanenti portati	311.1	0	-7.705	0	330.2	0	-7.705	0
678	Variabile C	311.1	0	-9.632	0	330.2	0	-9.632	0
678	Pesi strutturali	330.2	0	-13.126	0	331.8	0	-5.904	0
678	Permanenti portati	330.2	0	-9.265	0	331.8	0	-4.168	0
678	Variabile C	330.2	0	-11.582	0	331.8	0	-5.209	0
678	Pesi strutturali	331.8	0	-5.777	0	333.6	0	-10.916	0
678	Permanenti portati	331.8	0	-4.078	0	333.6	0	-7.705	0
678	Variabile C	331.8	0	-5.097	0	333.6	0	-9.632	0
678	Pesi strutturali	333.6	0	-10.916	0	334.7	0	-10.916	0
678	Permanenti portati	333.6	0	-7.705	0	334.7	0	-7.705	0
678	Variabile C	333.6	0	-9.632	0	334.7	0	-9.632	0
678	Pesi strutturali	334.7	0	-21.682	0	335	0	-21.682	0
678	Permanenti portati	334.7	0	-7.705	0	335	0	-7.705	0
678	Variabile C	334.7	0	-9.632	0	335	0	-9.632	0
679	Pesi strutturali	0	0	-21.682	0	17.7	0	-21.682	0
679	Permanenti portati	0	0	-7.705	0	17.7	0	-7.705	0
679	Variabile C	0	0	-9.632	0	17.7	0	-9.632	0
679	Pesi strutturali	17.7	0	-26.43	0	19.3	0	-21.682	0
679	Permanenti portati	17.7	0	-9.266	0	19.3	0	-7.705	0
679	Variabile C	17.7	0	-11.583	0	19.3	0	-9.632	0
679	Pesi strutturali	19.3	0	-11.526	0	21.1	0	-21.682	0
679	Permanenti portati	19.3	0	-4.078	0	21.1	0	-7.705	0
679	Variabile C	19.3	0	-5.097	0	21.1	0	-9.632	0
679	Pesi strutturali	21.1	0	-21.682	0	315	0	-21.682	0
679	Permanenti portati	21.1	0	-7.705	0	315	0	-7.705	0
679	Variabile C	21.1	0	-9.632	0	315	0	-9.632	0
680	Pesi strutturali	0	0	-21.682	0	316.9	0	-21.682	0
680	Permanenti portati	0	0	-7.705	0	316.9	0	-7.705	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
680	Variabile C	0	0	-9.632	0	316.9	0	-9.632	0
680	Pesi strutturali	347.6	0	-15.45	0	387.5	0	-15.45	0
680	Permanenti portati	347.6	0	-2.684	0	387.5	0	-2.684	0
680	Variabile C	347.6	0	-8.946	0	387.5	0	-8.946	0
681	Pesi strutturali	0	0	-10.378	0	329.9	0	-10.378	0
681	Permanenti portati	0	0	-3.989	0	329.9	0	-3.989	0
681	Variabile C	0	0	-4.986	0	329.9	0	-4.986	0
682	Pesi strutturali	0	0	-10.378	0	311.4	0	-10.378	0
682	Permanenti portati	0	0	-3.989	0	311.4	0	-3.989	0
682	Variabile C	0	0	-4.986	0	311.4	0	-4.986	0
682	Pesi strutturali	311.4	0	-11.199	0	312.4	0	-10.378	0
682	Permanenti portati	311.4	0	-4.259	0	312.4	0	-3.989	0
682	Variabile C	311.4	0	-5.323	0	312.4	0	-4.986	0
682	Pesi strutturali	312.4	0	-10.378	0	330.5	0	-10.378	0
682	Permanenti portati	312.4	0	-3.989	0	330.5	0	-3.989	0
682	Variabile C	312.4	0	-4.986	0	330.5	0	-4.986	0
682	Pesi strutturali	330.5	0	-5.651	0	333.9	0	-5.651	0
682	Permanenti portati	330.5	0	-3.989	0	333.9	0	-3.989	0
682	Variabile C	330.5	0	-4.986	0	333.9	0	-4.986	0
682	Pesi strutturali	333.9	0	-6.033	0	334.9	0	-1.53	0
682	Permanenti portati	333.9	0	-4.259	0	334.9	0	-1.08	0
682	Variabile C	333.9	0	-5.323	0	334.9	0	-1.35	0
683	Pesi strutturali	0	0	-10.378	0	21.4	0	-10.378	0
683	Permanenti portati	0	0	-3.989	0	21.4	0	-3.989	0
683	Variabile C	0	0	-4.986	0	21.4	0	-4.986	0
683	Pesi strutturali	21.4	0	-11.199	0	22.4	0	-10.378	0
683	Permanenti portati	21.4	0	-4.259	0	22.4	0	-3.989	0
683	Variabile C	21.4	0	-5.323	0	22.4	0	-4.986	0
683	Pesi strutturali	22.4	0	-10.378	0	292.9	0	-10.378	0
683	Permanenti portati	22.4	0	-3.989	0	292.9	0	-3.989	0
683	Variabile C	22.4	0	-4.986	0	292.9	0	-4.986	0
683	Pesi strutturali	292.9	0	-72.835	0	296.4	0	-73.022	0
683	Permanenti portati	292.9	0	-24.523	0	296.4	0	-24.584	0
683	Variabile C	292.9	0	-30.654	0	296.4	0	-30.73	0
683	Pesi strutturali	296.4	0	-73.02	0	309.6	0	-73.707	0
683	Permanenti portati	296.4	0	-24.583	0	309.6	0	-24.81	0
683	Variabile C	296.4	0	-30.729	0	309.6	0	-31.012	0
683	Pesi strutturali	309.6	0	-40.21	0	314.7	0	-40.346	0
683	Permanenti portati	309.6	0	-13.797	0	314.7	0	-13.841	0
683	Variabile C	309.6	0	-17.246	0	314.7	0	-17.302	0
684	Pesi strutturali	0	0	-18.867	0	317.3	0	-18.867	0
684	Permanenti portati	0	0	-6.78	0	317.3	0	-6.78	0
684	Variabile C	0	0	-8.475	0	317.3	0	-8.475	0
685	Pesi strutturali	0	0	-10.533	0	38.1	0	-10.998	0
685	Permanenti portati	0	0	-3.821	0	38.1	0	-4.15	0
685	Variabile C	0	0	-4.777	0	38.1	0	-5.187	0
685	Pesi strutturali	38.1	0	-10.998	0	53.1	0	-11.111	0
685	Permanenti portati	38.1	0	-4.15	0	53.1	0	-4.23	0
685	Variabile C	38.1	0	-5.187	0	53.1	0	-5.287	0
685	Pesi strutturali	53.1	0	-11.181	0	54.7	0	-11.2	0
685	Permanenti portati	53.1	0	-4.279	0	54.7	0	-4.292	0
685	Variabile C	53.1	0	-5.349	0	54.7	0	-5.366	0
685	Pesi strutturali	54.7	0	-11.111	0	317.4	0	-18.186	0
685	Permanenti portati	54.7	0	-4.23	0	317.4	0	-6.556	0
685	Variabile C	54.7	0	-5.287	0	317.4	0	-8.195	0
685	Pesi strutturali	317.4	0	-8.605	0	339.8	0	-9.192	0
685	Permanenti portati	317.4	0	-3.406	0	339.8	0	-3.599	0
685	Variabile C	317.4	0	-4.257	0	339.8	0	-4.499	0
685	Pesi strutturali	339.8	0	-9.701	0	387.5	0	-9.701	0
685	Permanenti portati	339.8	0	-3.766	0	387.5	0	-3.766	0
685	Variabile C	339.8	0	-4.708	0	387.5	0	-4.708	0
686	Pesi strutturali	0.1	0	-19.324	0	317.3	0	-19.324	0
686	Permanenti portati	0.1	0	-6.93	0	317.3	0	-6.93	0
686	Variabile C	0.1	0	-8.662	0	317.3	0	-8.662	0
687	Pesi strutturali	0.2	0	-18.232	0	317.2	0	-18.232	0
687	Permanenti portati	0.2	0	-6.571	0	317.2	0	-6.571	0
687	Variabile C	0.2	0	-8.214	0	317.2	0	-8.214	0
688	Pesi strutturali	0	0	-19.151	0	641.3	0	-19.151	0
688	Permanenti portati	0	0	-6.873	0	641.3	0	-6.873	0
688	Variabile C	0	0	-8.592	0	641.3	0	-8.592	0
688	Pesi strutturali	641.3	0	-20.906	0	642.3	0	-19.151	0
688	Permanenti portati	641.3	0	-6.873	0	642.3	0	-6.873	0
688	Variabile C	641.3	0	-8.592	0	642.3	0	-8.592	0
688	Pesi strutturali	642.3	0	-19.151	0	660.4	0	-19.151	0
688	Permanenti portati	642.3	0	-6.873	0	660.4	0	-6.873	0
688	Variabile C	642.3	0	-8.592	0	660.4	0	-8.592	0
688	Pesi strutturali	660.4	0	-9.737	0	663.8	0	-9.737	0
688	Permanenti portati	660.4	0	-6.873	0	663.8	0	-6.873	0
688	Variabile C	660.4	0	-8.592	0	663.8	0	-8.592	0
688	Pesi strutturali	663.8	0	-4.469	0	664.8	0	-9.355	0
688	Permanenti portati	663.8	0	-3.155	0	664.8	0	-6.603	0
688	Variabile C	663.8	0	-3.943	0	664.8	0	-8.254	0
688	Pesi strutturali	664.8	0	-19.151	0	686.3	0	-19.151	0
688	Permanenti portati	664.8	0	-6.873	0	686.3	0	-6.873	0
688	Variabile C	664.8	0	-8.592	0	686.3	0	-8.592	0
688	Pesi strutturali	686.3	0	-20.906	0	687.3	0	-19.151	0
688	Permanenti portati	686.3	0	-6.873	0	687.3	0	-6.873	0
688	Variabile C	686.3	0	-8.592	0	687.3	0	-8.592	0
688	Pesi strutturali	687.3	0	-19.151	0	980	0	-19.151	0
688	Permanenti portati	687.3	0	-6.873	0	980	0	-6.873	0
688	Variabile C	687.3	0	-8.592	0	980	0	-8.592	0
689	Pesi strutturali	0	0	-19.151	0	317	0	-19.151	0
689	Permanenti portati	0	0	-6.873	0	317	0	-6.873	0
689	Variabile C	0	0	-8.592	0	317	0	-8.592	0
690	Pesi strutturali	0.1	0	-19.695	0	639.6	0	-19.695	0
690	Permanenti portati	0.1	0	-7.052	0	639.6	0	-7.052	0
690	Variabile C	0.1	0	-8.815	0	639.6	0	-8.815	0
690	Pesi strutturali	639.6	0	-19.817	0	641.4	0	-19.695	0
690	Permanenti portati	639.6	0	-10.68	0	641.4	0	-7.052	0
690	Variabile C	639.6	0	-13.35	0	641.4	0	-8.815	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
690	Pesi strutturali	641.4	0	-18.874	0	642.5	0	-19.695	0
690	Permanenti portati	641.4	0	-6.782	0	642.5	0	-7.052	0
690	Variabile C	641.4	0	-8.478	0	642.5	0	-8.815	0
690	Pesi strutturali	642.5	0	-19.695	0	660.5	0	-19.695	0
690	Permanenti portati	642.5	0	-7.052	0	660.5	0	-7.052	0
690	Variabile C	642.5	0	-8.815	0	660.5	0	-8.815	0
690	Pesi strutturali	660.5	0	-9.99	0	662.1	0	-9.99	0
690	Permanenti portati	660.5	0	-7.052	0	662.1	0	-7.052	0
690	Variabile C	660.5	0	-8.815	0	662.1	0	-8.815	0
690	Pesi strutturali	662.1	0	-15.129	0	663.9	0	-4.851	0
690	Permanenti portati	662.1	0	-10.68	0	663.9	0	-3.425	0
690	Variabile C	662.1	0	-13.35	0	663.9	0	-4.281	0
690	Pesi strutturali	663.9	0	-9.608	0	665	0	-9.99	0
690	Permanenti portati	663.9	0	-6.782	0	665	0	-7.052	0
690	Variabile C	663.9	0	-8.478	0	665	0	-8.815	0
690	Pesi strutturali	665	0	-19.695	0	684.6	0	-19.695	0
690	Permanenti portati	665	0	-7.052	0	684.6	0	-7.052	0
690	Variabile C	665	0	-8.815	0	684.6	0	-8.815	0
690	Pesi strutturali	684.6	0	-19.817	0	686.4	0	-19.695	0
690	Permanenti portati	684.6	0	-10.68	0	686.4	0	-7.052	0
690	Variabile C	684.6	0	-13.35	0	686.4	0	-8.815	0
690	Pesi strutturali	686.4	0	-18.874	0	687.5	0	-19.695	0
690	Permanenti portati	686.4	0	-6.782	0	687.5	0	-7.052	0
690	Variabile C	686.4	0	-8.478	0	687.5	0	-8.815	0
690	Pesi strutturali	687.5	0	-19.695	0	980.2	0	-19.695	0
690	Permanenti portati	687.5	0	-7.052	0	980.2	0	-7.052	0
690	Variabile C	687.5	0	-8.815	0	980.2	0	-8.815	0
691	Pesi strutturali	0	0	-19.695	0	317	0	-19.695	0
691	Permanenti portati	0	0	-7.052	0	317	0	-7.052	0
691	Variabile C	0	0	-8.815	0	317	0	-8.815	0
694	Pesi strutturali	0	0	-0.015	0	310	0	-0.017	0
694	Permanenti portati	0	0	-0.01	0	310	0	-0.012	0
694	Variabile C	0	0	-0.013	0	310	0	-0.015	0
694	Pesi strutturali	310	0	-0.003	0	875	0	-0.034	0
694	Permanenti portati	310	0	-0.002	0	875	0	-0.024	0
694	Variabile C	310	0	-0.002	0	875	0	-0.03	0
695	Pesi strutturali	0	0	-0.034	0	0.2	0	-0.034	0
695	Permanenti portati	0	0	-0.024	0	0.2	0	-0.024	0
695	Variabile C	0	0	-0.03	0	0.2	0	-0.03	0
695	Pesi strutturali	0.2	0	-0.033	0	363.8	0	-0.028	0
695	Permanenti portati	0.2	0	-0.023	0	363.8	0	-0.02	0
695	Variabile C	0.2	0	-0.029	0	363.8	0	-0.025	0
696	Pesi strutturali	0	0	-0.028	0	106.2	0	-0.026	0
696	Permanenti portati	0	0	-0.02	0	106.2	0	-0.019	0
696	Variabile C	0	0	-0.025	0	106.2	0	-0.023	0
705	Pesi strutturali	0	0	-26.329	0	6.4	0	-26.093	0
705	Permanenti portati	0	0	-8.945	0	6.4	0	-8.981	0
705	Variabile C	0	0	-11.181	0	6.4	0	-11.226	0
705	Pesi strutturali	6.4	0	-0.916	0	53.3	0	-1.294	0
705	Permanenti portati	6.4	0	-0.647	0	53.3	0	-0.914	0
705	Variabile C	6.4	0	-0.808	0	53.3	0	-1.142	0
705	Pesi strutturali	53.3	0	-1.294	0	71.8	0	-1.499	0
705	Permanenti portati	53.3	0	-0.914	0	71.8	0	-1.058	0
705	Variabile C	53.3	0	-1.142	0	71.8	0	-1.323	0
705	Pesi strutturali	71.8	0	-1.443	0	73.7	0	-1.458	0
705	Permanenti portati	71.8	0	-1.019	0	73.7	0	-1.029	0
705	Variabile C	71.8	0	-1.273	0	73.7	0	-1.287	0
705	Pesi strutturali	73.7	0	-1.53	0	397.2	0	-7.104	0
705	Permanenti portati	73.7	0	-1.08	0	397.2	0	-2.913	0
705	Variabile C	73.7	0	-1.35	0	397.2	0	-3.641	0
706	Pesi strutturali	0	0	-6.968	0	1.2	0	-6.99	0
706	Permanenti portati	0	0	-2.868	0	1.2	0	-2.875	0
706	Variabile C	0	0	-3.585	0	1.2	0	-3.594	0
706	Pesi strutturali	1.2	0	-6.99	0	11.5	0	-6.984	0
706	Permanenti portati	1.2	0	-2.875	0	11.5	0	-2.804	0
706	Variabile C	1.2	0	-3.594	0	11.5	0	-3.505	0
706	Pesi strutturali	11.5	0	-6.984	0	17.4	0	-6.992	0
706	Permanenti portati	11.5	0	-2.804	0	17.4	0	-2.771	0
706	Variabile C	11.5	0	-3.505	0	17.4	0	-3.464	0
706	Pesi strutturali	17.4	0	-6.992	0	27.6	0	-7.379	0
706	Permanenti portati	17.4	0	-2.771	0	27.6	0	-2.715	0
706	Variabile C	17.4	0	-3.464	0	27.6	0	-3.393	0
707	Pesi strutturali	0.4	0	-12.291	0	22.1	0	-12.291	0
707	Permanenti portati	0.4	0	-4.618	0	22.1	0	-4.618	0
707	Variabile C	0.4	0	-5.772	0	22.1	0	-5.772	0
707	Pesi strutturali	22.1	0	-12.291	0	307.6	0	-12.378	0
707	Permanenti portati	22.1	0	-4.618	0	307.6	0	-4.646	0
707	Variabile C	22.1	0	-5.772	0	307.6	0	-5.808	0
707	Pesi strutturali	307.6	0	-18.794	0	308	0	-19.456	0
707	Permanenti portati	307.6	0	-6.179	0	308	0	-6.524	0
707	Variabile C	307.6	0	-7.724	0	308	0	-8.155	0
708	Pesi strutturali	0	0	-19.456	0	1.2	0	-21.781	0
708	Permanenti portati	0	0	-6.524	0	1.2	0	-7.738	0
708	Variabile C	0	0	-8.155	0	1.2	0	-9.672	0
708	Pesi strutturali	1.2	0	-21.781	0	22.2	0	-21.781	0
708	Permanenti portati	1.2	0	-7.738	0	22.2	0	-7.738	0
708	Variabile C	1.2	0	-9.672	0	22.2	0	-9.672	0
708	Pesi strutturali	22.2	0	-0.042	0	23.7	0	-3.018	0
708	Permanenti portati	22.2	0	-0.03	0	23.7	0	-2.13	0
708	Variabile C	22.2	0	-0.037	0	23.7	0	-2.663	0
708	Pesi strutturali	23.7	0	-8.03	0	26.6	0	-8.03	0
708	Permanenti portati	23.7	0	-5.668	0	26.6	0	-5.668	0
708	Variabile C	23.7	0	-7.085	0	26.6	0	-7.085	0
708	Pesi strutturali	26.6	0	-15.485	0	44.7	0	-15.485	0
708	Permanenti portati	26.6	0	-5.668	0	44.7	0	-5.668	0
708	Variabile C	26.6	0	-7.085	0	44.7	0	-7.085	0
708	Pesi strutturali	44.7	0	-17.24	0	46.2	0	-15.485	0
708	Permanenti portati	44.7	0	-5.668	0	46.2	0	-5.668	0
708	Variabile C	44.7	0	-7.085	0	46.2	0	-7.085	0
708	Pesi strutturali	46.2	0	-15.485	0	341.4	0	-15.485	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
708	Permanenti portati	46.2	0	-5.668	0	341.4	0	-5.668	0
708	Variabile C	46.2	0	-7.085	0	341.4	0	-7.085	0
708	Pesi strutturali	341.4	0	-21.781	0	363.9	0	-21.781	0
708	Permanenti portati	341.4	0	-7.738	0	363.9	0	-7.738	0
708	Variabile C	341.4	0	-9.672	0	363.9	0	-9.672	0
708	Pesi strutturali	363.9	0	-35.286	0	364.5	0	-35.286	0
708	Permanenti portati	363.9	0	-12.178	0	364.5	0	-12.178	0
708	Variabile C	363.9	0	-15.222	0	364.5	0	-15.222	0
709	Pesi strutturali	0	0	-35.286	0	15	0	-35.286	0
709	Permanenti portati	0	0	-12.178	0	15	0	-12.178	0
709	Variabile C	0	0	-15.222	0	15	0	-15.222	0
709	Pesi strutturali	15	0	-22.42	0	294.3	0	-22.42	0
709	Permanenti portati	15	0	-7.948	0	294.3	0	-7.948	0
709	Variabile C	15	0	-9.935	0	294.3	0	-9.935	0
711	Pesi strutturali	0	0	-11.763	0	10.9	0	-11.764	0
711	Permanenti portati	0	0	-2.19	0	10.9	0	-2.19	0
711	Variabile H	0	0	-0.913	0	10.9	0	-0.913	0
711	Neve	0	0	-1.022	0	10.9	0	-1.022	0
711	Pesi strutturali	10.9	0	-11.764	0	355	0	-11.737	0
711	Permanenti portati	10.9	0	-2.19	0	355	0	-2.179	0
711	Variabile H	10.9	0	-0.913	0	355	0	-0.908	0
711	Neve	10.9	0	-1.022	0	355	0	-1.017	0
712	Pesi strutturali	0	0	-11.688	0	130	0	-11.692	0
712	Permanenti portati	0	0	-2.162	0	130	0	-2.162	0
712	Variabile H	0	0	-0.901	0	130	0	-0.901	0
712	Neve	0	0	-1.009	0	130	0	-1.009	0
714	Pesi strutturali	0	0	-11.777	0	485	0	-11.763	0
714	Permanenti portati	0	0	-2.192	0	485	0	-2.19	0
714	Variabile H	0	0	-0.913	0	485	0	-0.913	0
714	Neve	0	0	-1.023	0	485	0	-1.022	0
715	Pesi strutturali	0.1	0	-0.722	0	1.6	0	-2.933	0
715	Permanenti portati	0.1	0	-0.51	0	1.6	0	-2.07	0
715	Variabile C	0.1	0	-0.637	0	1.6	0	-2.588	0
715	Pesi strutturali	1.6	0	-2.933	0	4.5	0	-2.933	0
715	Permanenti portati	1.6	0	-2.07	0	4.5	0	-2.07	0
715	Variabile C	1.6	0	-2.588	0	4.5	0	-2.588	0
715	Pesi strutturali	4.5	0	-4.736	0	22.6	0	-4.736	0
715	Permanenti portati	4.5	0	-2.07	0	22.6	0	-2.07	0
715	Variabile C	4.5	0	-2.588	0	22.6	0	-2.588	0
715	Pesi strutturali	22.6	0	-0.721	0	24.1	0	-4.736	0
715	Permanenti portati	22.6	0	-0.509	0	24.1	0	-2.07	0
715	Variabile C	22.6	0	-0.636	0	24.1	0	-2.588	0
715	Pesi strutturali	24.1	0	-4.736	0	319.3	0	-4.736	0
715	Permanenti portati	24.1	0	-2.07	0	319.3	0	-2.07	0
715	Variabile C	24.1	0	-2.588	0	319.3	0	-2.588	0
718	Pesi strutturali	0	0	-0.036	0	130	0	-0.049	0
718	Permanenti portati	0	0	-0.013	0	130	0	-0.017	0
718	Variabile H	0	0	-0.005	0	130	0	-0.007	0
718	Neve	0	0	-0.006	0	130	0	-0.008	0
719	Pesi strutturali	0.1	0	-11.696	0	279.2	0	-11.696	0
719	Permanenti portati	0.1	0	-4.23	0	279.2	0	-4.23	0
719	Variabile C	0.1	0	-5.288	0	279.2	0	-5.288	0
719	Pesi strutturali	279.2	0	-24.413	0	280.2	0	-24.413	0
719	Permanenti portati	279.2	0	-8.026	0	280.2	0	-8.026	0
719	Variabile C	279.2	0	-10.033	0	280.2	0	-10.033	0
721	Pesi strutturali	167.3	0	-13.523	0	170	0	-13.523	0
721	Permanenti portati	167.3	0	-9.042	0	170	0	-9.042	0
721	Variabile C	167.3	0	-11.303	0	170	0	-11.303	0
722	Pesi strutturali	0.8	0	-2.774	0	2.6	0	-6.404	0
722	Permanenti portati	0.8	0	-0.912	0	2.6	0	-2.49	0
722	Variabile C	0.8	0	-1.14	0	2.6	0	-3.113	0
722	Pesi strutturali	2.6	0	-13.525	0	4	0	-24.654	0
722	Permanenti portati	2.6	0	-4.831	0	4	0	-8.49	0
722	Variabile C	2.6	0	-6.039	0	4	0	-10.612	0
722	Pesi strutturali	4	0	-15.529	0	592.8	0	-15.529	0
722	Permanenti portati	4	0	-5.49	0	592.8	0	-5.49	0
722	Variabile C	4	0	-6.863	0	592.8	0	-6.863	0
723	Pesi strutturali	0	0	-21.734	0	119.7	0	-21.734	0
723	Permanenti portati	0	0	-4.83	0	119.7	0	-4.83	0
723	Variabile C	0	0	-11.663	0	119.7	0	-11.663	0
723	Pesi strutturali	119.7	0	-28.115	0	160	0	-28.115	0
723	Permanenti portati	119.7	0	-6.944	0	160	0	-6.944	0
723	Variabile C	119.7	0	-14.271	0	160	0	-14.271	0
724	Pesi strutturali	0.1	0	-15.255	0	587.4	0	-15.255	0
724	Permanenti portati	0.1	0	-5.4	0	587.4	0	-5.4	0
724	Variabile C	0.1	0	-6.75	0	587.4	0	-6.75	0
724	Pesi strutturali	587.4	0	-19.635	0	588.9	0	-9.635	0
724	Permanenti portati	587.4	0	-6.84	0	588.9	0	-3.36	0
724	Variabile C	587.4	0	-8.55	0	588.9	0	-4.2	0
725	Pesi strutturali	0	0	-0.022	0	304.6	0	-0.011	0
725	Permanenti portati	0	0	-0.015	0	304.6	0	-0.008	0
725	Variabile C	0	0	-0.019	0	304.6	0	-0.01	0
769	Pesi strutturali	0.3	0	-10.156	0	330.2	0	-10.156	0
769	Permanenti portati	0.3	0	-3.628	0	330.2	0	-3.628	0
769	Variabile C	0.3	0	-4.534	0	330.2	0	-4.534	0
770	Pesi strutturali	0	0	-21.682	0	307.6	0	-21.682	0
770	Permanenti portati	0	0	-7.705	0	307.6	0	-7.705	0
770	Variabile C	0	0	-9.632	0	307.6	0	-9.632	0
770	Pesi strutturali	307.6	0	-26.424	0	309.3	0	-21.682	0
770	Permanenti portati	307.6	0	-9.264	0	309.3	0	-7.705	0
770	Variabile C	307.6	0	-11.581	0	309.3	0	-9.632	0
770	Pesi strutturali	309.3	0	-22.56	0	310.4	0	-21.682	0
770	Permanenti portati	309.3	0	-7.705	0	310.4	0	-7.705	0
770	Variabile C	309.3	0	-9.632	0	310.4	0	-9.632	0
770	Pesi strutturali	310.4	0	-21.682	0	330.1	0	-21.682	0
770	Permanenti portati	310.4	0	-7.705	0	330.1	0	-7.705	0
770	Variabile C	310.4	0	-9.632	0	330.1	0	-9.632	0
770	Pesi strutturali	330.1	0	-13.126	0	331.8	0	-5.904	0
770	Permanenti portati	330.1	0	-9.265	0	331.8	0	-4.168	0
770	Variabile C	330.1	0	-11.582	0	331.8	0	-5.209	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
770	Pesi strutturali	331.8	0	-5.777	0	332.9	0	-10.534	0
770	Permanenti portati	331.8	0	-4.078	0	332.9	0	-7.435	0
770	Variabile C	331.8	0	-5.097	0	332.9	0	-9.294	0
770	Pesi strutturali	332.9	0	-10.916	0	335	0	-10.916	0
770	Permanenti portati	332.9	0	-7.705	0	335	0	-7.705	0
770	Variabile C	332.9	0	-9.632	0	335	0	-9.632	0
771	Pesi strutturali	0	0	-21.682	0	17.6	0	-21.682	0
771	Permanenti portati	0	0	-7.705	0	17.6	0	-7.705	0
771	Variabile C	0	0	-9.632	0	17.6	0	-9.632	0
771	Pesi strutturali	17.6	0	-26.43	0	19.3	0	-21.682	0
771	Permanenti portati	17.6	0	-9.266	0	19.3	0	-7.705	0
771	Variabile C	17.6	0	-11.583	0	19.3	0	-9.632	0
771	Pesi strutturali	19.3	0	-22.56	0	20.4	0	-21.682	0
771	Permanenti portati	19.3	0	-7.705	0	20.4	0	-7.705	0
771	Variabile C	19.3	0	-9.632	0	20.4	0	-9.632	0
771	Pesi strutturali	20.4	0	-21.682	0	315	0	-21.682	0
771	Permanenti portati	20.4	0	-7.705	0	315	0	-7.705	0
771	Variabile C	20.4	0	-9.632	0	315	0	-9.632	0
772	Pesi strutturali	0	0	-21.682	0	217.5	0	-21.682	0
772	Permanenti portati	0	0	-7.705	0	217.5	0	-7.705	0
772	Variabile C	0	0	-9.632	0	217.5	0	-9.632	0
772	Pesi strutturali	217.5	0	-21.858	0	317.6	0	-21.858	0
772	Permanenti portati	217.5	0	-7.763	0	317.6	0	-7.763	0
772	Variabile C	217.5	0	-9.704	0	317.6	0	-9.704	0
772	Pesi strutturali	317.6	0	-21.682	0	340	0	-21.682	0
772	Permanenti portati	317.6	0	-7.705	0	340	0	-7.705	0
772	Variabile C	317.6	0	-9.632	0	340	0	-9.632	0
773	Pesi strutturali	0	0	-15.386	0	257.5	0	-15.386	0
773	Permanenti portati	0	0	-5.635	0	257.5	0	-5.635	0
773	Variabile C	0	0	-7.044	0	257.5	0	-7.044	0
774	Pesi strutturali	0	0	-15.386	0	210	0	-15.386	0
774	Permanenti portati	0	0	-5.635	0	210	0	-5.635	0
774	Variabile C	0	0	-7.044	0	210	0	-7.044	0
775	Pesi strutturali	0.1	0	-10.156	0	300.4	0	-10.156	0
775	Permanenti portati	0.1	0	-3.628	0	300.4	0	-3.628	0
775	Variabile C	0.1	0	-4.534	0	300.4	0	-4.534	0
775	Pesi strutturali	300.4	0	-10.156	0	302.5	0	0	0
775	Permanenti portati	300.4	0	-3.628	0	302.5	0	0	0
775	Variabile C	300.4	0	-4.534	0	302.5	0	0	0
776	Pesi strutturali	0	0	-9.613	0	329.9	0	-9.613	0
776	Permanenti portati	0	0	-3.449	0	329.9	0	-3.449	0
776	Variabile C	0	0	-4.311	0	329.9	0	-4.311	0
777	Pesi strutturali	0	0	-9.613	0	311.4	0	-9.613	0
777	Permanenti portati	0	0	-3.449	0	311.4	0	-3.449	0
777	Variabile C	0	0	-4.311	0	311.4	0	-4.311	0
777	Pesi strutturali	311.4	0	-20.103	0	312.4	0	-9.613	0
777	Permanenti portati	311.4	0	-6.898	0	312.4	0	-3.449	0
777	Variabile C	311.4	0	-8.622	0	312.4	0	-4.311	0
777	Pesi strutturali	312.4	0	-9.613	0	330	0	-9.613	0
777	Permanenti portati	312.4	0	-3.449	0	330	0	-3.449	0
777	Variabile C	312.4	0	-4.311	0	330	0	-4.311	0
777	Pesi strutturali	330	0	-4.886	0	333.9	0	-4.886	0
777	Permanenti portati	330	0	-3.449	0	333.9	0	-3.449	0
777	Variabile C	330	0	-4.311	0	333.9	0	-4.311	0
777	Pesi strutturali	333.9	0	-4.886	0	334.9	0	-0.765	0
777	Permanenti portati	333.9	0	-3.449	0	334.9	0	-0.54	0
777	Variabile C	333.9	0	-4.311	0	334.9	0	-0.675	0
778	Pesi strutturali	0	0	-9.613	0	21.4	0	-9.613	0
778	Permanenti portati	0	0	-3.449	0	21.4	0	-3.449	0
778	Variabile C	0	0	-4.311	0	21.4	0	-4.311	0
778	Pesi strutturali	21.4	0	-20.103	0	22.4	0	-9.613	0
778	Permanenti portati	21.4	0	-6.898	0	22.4	0	-3.449	0
778	Variabile C	21.4	0	-8.622	0	22.4	0	-4.311	0
778	Pesi strutturali	22.4	0	-9.613	0	314.8	0	-9.613	0
778	Permanenti portati	22.4	0	-3.449	0	314.8	0	-3.449	0
778	Variabile C	22.4	0	-4.311	0	314.8	0	-4.311	0
779	Pesi strutturali	0	0	-9.613	0	0.2	0	-9.613	0
779	Permanenti portati	0	0	-3.449	0	0.2	0	-3.449	0
779	Variabile C	0	0	-4.311	0	0.2	0	-4.311	0
779	Pesi strutturali	0.2	0	-18.867	0	340.2	0	-18.867	0
779	Permanenti portati	0.2	0	-6.78	0	340.2	0	-6.78	0
779	Variabile C	0.2	0	-8.475	0	340.2	0	-8.475	0
780	Pesi strutturali	0	0	-18.867	0	257.5	0	-18.867	0
780	Permanenti portati	0	0	-6.78	0	257.5	0	-6.78	0
780	Variabile C	0	0	-8.475	0	257.5	0	-8.475	0
781	Pesi strutturali	0	0	-18.867	0	210	0	-18.867	0
781	Permanenti portati	0	0	-6.78	0	210	0	-6.78	0
781	Variabile C	0	0	-8.475	0	210	0	-8.475	0
782	Pesi strutturali	0	0	-18.867	0	299	0	-18.867	0
782	Permanenti portati	0	0	-6.78	0	299	0	-6.78	0
782	Variabile C	0	0	-8.475	0	299	0	-8.475	0
782	Pesi strutturali	299	0	-18.867	0	300.3	0	-9.613	0
782	Permanenti portati	299	0	-6.78	0	300.3	0	-3.449	0
782	Variabile C	299	0	-8.475	0	300.3	0	-4.311	0
783	Pesi strutturali	0	0	-10.55	0	22.5	0	-10.87	0
783	Permanenti portati	0	0	-3.834	0	22.5	0	-4.06	0
783	Variabile C	0	0	-4.792	0	22.5	0	-5.075	0
783	Pesi strutturali	22.5	0	-10.87	0	37.4	0	-11.111	0
783	Permanenti portati	22.5	0	-4.06	0	37.4	0	-4.23	0
783	Variabile C	22.5	0	-5.075	0	37.4	0	-5.287	0
783	Pesi strutturali	37.4	0	-11.111	0	47.6	0	-11.228	0
783	Permanenti portati	37.4	0	-4.23	0	47.6	0	-4.312	0
783	Variabile C	37.4	0	-5.287	0	47.6	0	-5.39	0
783	Pesi strutturali	47.6	0	-11.228	0	52.4	0	-11.452	0
783	Permanenti portati	47.6	0	-4.312	0	52.4	0	-4.36	0
783	Variabile C	47.6	0	-5.39	0	52.4	0	-5.45	0
783	Pesi strutturali	52.4	0	-11.404	0	217.4	0	-16.548	0
783	Permanenti portati	52.4	0	-4.326	0	217.4	0	-6.018	0
783	Variabile C	52.4	0	-5.408	0	217.4	0	-7.522	0
783	Pesi strutturali	217.4	0	-16.548	0	334.3	0	-20.12	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
783	Permanenti portati	217.4	0	-6.018	0	334.3	0	-7.192	0
783	Variabile C	217.4	0	-7.522	0	334.3	0	-8.99	0
783	Pesi strutturali	334.3	0	-29.94	0	339.9	0	-30.283	0
783	Permanenti portati	334.3	0	-10.42	0	339.9	0	-10.533	0
783	Variabile C	334.3	0	-13.025	0	339.9	0	-13.166	0
784	Pesi strutturali	0	0	-19.856	0	257.5	0	-19.856	0
784	Permanenti portati	0	0	-7.105	0	257.5	0	-7.105	0
784	Variabile C	0	0	-8.881	0	257.5	0	-8.881	0
785	Pesi strutturali	0	0	-19.856	0	210	0	-19.856	0
785	Permanenti portati	0	0	-7.105	0	210	0	-7.105	0
785	Variabile C	0	0	-8.881	0	210	0	-8.881	0
786	Pesi strutturali	0	0	-19.856	0	112.5	0	-19.856	0
786	Permanenti portati	0	0	-7.105	0	112.5	0	-7.105	0
786	Variabile C	0	0	-8.881	0	112.5	0	-8.881	0
786	Pesi strutturali	112.5	0	-19.646	0	297.4	0	-19.646	0
786	Permanenti portati	112.5	0	-7.036	0	297.4	0	-7.036	0
786	Variabile C	112.5	0	-8.795	0	297.4	0	-8.795	0
786	Pesi strutturali	297.4	0	-11.111	0	299	0	0	0
786	Permanenti portati	297.4	0	-4.23	0	299	0	0	0
786	Variabile C	297.4	0	-5.287	0	299	0	0	0
787	Pesi strutturali	0	0	-19.324	0	340	0	-19.324	0
787	Permanenti portati	0	0	-6.93	0	340	0	-6.93	0
787	Variabile C	0	0	-8.662	0	340	0	-8.662	0
788	Pesi strutturali	0	0	-19.324	0	764.9	0	-19.324	0
788	Permanenti portati	0	0	-6.93	0	764.9	0	-6.93	0
788	Variabile C	0	0	-8.662	0	764.9	0	-8.662	0
788	Pesi strutturali	764.9	0	-19.324	0	766.5	0	-8.977	0
788	Permanenti portati	764.9	0	-6.93	0	766.5	0	-3.24	0
788	Variabile C	764.9	0	-8.662	0	766.5	0	-4.05	0
789	Pesi strutturali	0	0	-18.232	0	340	0	-18.232	0
789	Permanenti portati	0	0	-6.571	0	340	0	-6.571	0
789	Variabile C	0	0	-8.214	0	340	0	-8.214	0
790	Pesi strutturali	0	0	-18.232	0	766.5	0	-18.232	0
790	Permanenti portati	0	0	-6.571	0	766.5	0	-6.571	0
790	Variabile C	0	0	-8.214	0	766.5	0	-8.214	0
790	Pesi strutturali	766.5	0	-9.255	0	767.8	0	0	0
790	Permanenti portati	766.5	0	-3.331	0	767.8	0	0	0
790	Variabile C	766.5	0	-4.164	0	767.8	0	0	0
791	Pesi strutturali	0.1	0	-19.151	0	640.3	0	-19.151	0
791	Permanenti portati	0.1	0	-6.873	0	640.3	0	-6.873	0
791	Variabile C	0.1	0	-8.592	0	640.3	0	-8.592	0
791	Pesi strutturali	640.3	0	-29.568	0	641.4	0	-19.151	0
791	Permanenti portati	640.3	0	-10.298	0	641.4	0	-6.873	0
791	Variabile C	640.3	0	-12.872	0	641.4	0	-8.592	0
791	Pesi strutturali	641.4	0	-9.539	0	642.4	0	-19.151	0
791	Permanenti portati	641.4	0	-3.425	0	642.4	0	-6.873	0
791	Variabile C	641.4	0	-4.281	0	642.4	0	-8.592	0
791	Pesi strutturali	642.4	0	-19.151	0	660	0	-19.151	0
791	Permanenti portati	642.4	0	-6.873	0	660	0	-6.873	0
791	Variabile C	642.4	0	-8.592	0	660	0	-8.592	0
791	Pesi strutturali	660	0	-9.737	0	662.8	0	-9.737	0
791	Permanenti portati	660	0	-6.873	0	662.8	0	-6.873	0
791	Variabile C	660	0	-8.592	0	662.8	0	-8.592	0
791	Pesi strutturali	662.8	0	-9.737	0	663.9	0	-5.651	0
791	Permanenti portati	662.8	0	-6.873	0	663.9	0	-3.989	0
791	Variabile C	662.8	0	-8.592	0	663.9	0	-4.986	0
791	Pesi strutturali	663.9	0	-4.851	0	664.9	0	-9.355	0
791	Permanenti portati	663.9	0	-3.425	0	664.9	0	-6.603	0
791	Variabile C	663.9	0	-4.281	0	664.9	0	-8.254	0
791	Pesi strutturali	664.9	0	-19.151	0	685.3	0	-19.151	0
791	Permanenti portati	664.9	0	-6.873	0	685.3	0	-6.873	0
791	Variabile C	664.9	0	-8.592	0	685.3	0	-8.592	0
791	Pesi strutturali	685.3	0	-29.568	0	686.4	0	-19.151	0
791	Permanenti portati	685.3	0	-10.298	0	686.4	0	-6.873	0
791	Variabile C	685.3	0	-12.872	0	686.4	0	-8.592	0
791	Pesi strutturali	686.4	0	-9.539	0	687.4	0	-19.151	0
791	Permanenti portati	686.4	0	-3.425	0	687.4	0	-6.873	0
791	Variabile C	686.4	0	-4.281	0	687.4	0	-8.592	0
791	Pesi strutturali	687.4	0	-19.151	0	980	0	-19.151	0
791	Permanenti portati	687.4	0	-6.873	0	980	0	-6.873	0
791	Variabile C	687.4	0	-8.592	0	980	0	-8.592	0
792	Pesi strutturali	0	0	-19.151	0	340	0	-19.151	0
792	Permanenti portati	0	0	-6.873	0	340	0	-6.873	0
792	Variabile C	0	0	-8.592	0	340	0	-8.592	0
793	Pesi strutturali	0	0	-19.151	0	767.8	0	-19.151	0
793	Permanenti portati	0	0	-6.873	0	767.8	0	-6.873	0
793	Variabile C	0	0	-8.592	0	767.8	0	-8.592	0
794	Pesi strutturali	0.3	0	-19.695	0	640.6	0	-19.695	0
794	Permanenti portati	0.3	0	-7.052	0	640.6	0	-7.052	0
794	Variabile C	0.3	0	-8.815	0	640.6	0	-8.815	0
794	Pesi strutturali	640.6	0	-10.156	0	641.6	0	-19.695	0
794	Permanenti portati	640.6	0	-3.628	0	641.6	0	-7.052	0
794	Variabile C	640.6	0	-4.534	0	641.6	0	-8.815	0
794	Pesi strutturali	641.6	0	-19.695	0	660.3	0	-19.695	0
794	Permanenti portati	641.6	0	-7.052	0	660.3	0	-7.052	0
794	Variabile C	641.6	0	-8.815	0	660.3	0	-8.815	0
794	Pesi strutturali	660.3	0	-9.99	0	662	0	-9.99	0
794	Permanenti portati	660.3	0	-7.052	0	662	0	-7.052	0
794	Variabile C	660.3	0	-8.815	0	662	0	-8.815	0
794	Pesi strutturali	662	0	-9.99	0	663.1	0	-5.616	0
794	Permanenti portati	662	0	-7.052	0	663.1	0	-3.965	0
794	Variabile C	662	0	-8.815	0	663.1	0	-4.956	0
794	Pesi strutturali	663.1	0	-5.139	0	664.1	0	-9.608	0
794	Permanenti portati	663.1	0	-3.628	0	664.1	0	-6.782	0
794	Variabile C	663.1	0	-4.534	0	664.1	0	-8.478	0
794	Pesi strutturali	664.1	0	-9.99	0	665.1	0	-9.99	0
794	Permanenti portati	664.1	0	-7.052	0	665.1	0	-7.052	0
794	Variabile C	664.1	0	-8.815	0	665.1	0	-8.815	0
794	Pesi strutturali	665.1	0	-19.695	0	685.6	0	-19.695	0
794	Permanenti portati	665.1	0	-7.052	0	685.6	0	-7.052	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
794	Variabile C	665.1	0	-8.815	0	685.6	0	-8.815	0
794	Pesi strutturali	685.6	0	-10.156	0	686.6	0	-19.695	0
794	Permanenti portati	685.6	0	-3.628	0	686.6	0	-7.052	0
794	Variabile C	685.6	0	-4.534	0	686.6	0	-8.815	0
794	Pesi strutturali	686.6	0	-19.695	0	980.2	0	-19.695	0
794	Permanenti portati	686.6	0	-7.052	0	980.2	0	-7.052	0
794	Variabile C	686.6	0	-8.815	0	980.2	0	-8.815	0
795	Pesi strutturali	0	0	-19.695	0	340	0	-19.695	0
795	Permanenti portati	0	0	-7.052	0	340	0	-7.052	0
795	Variabile C	0	0	-8.815	0	340	0	-8.815	0
796	Pesi strutturali	0	0	-19.695	0	767.9	0	-19.695	0
796	Permanenti portati	0	0	-7.052	0	767.9	0	-7.052	0
796	Variabile C	0	0	-8.815	0	767.9	0	-8.815	0
796	Pesi strutturali	767.9	0	-28.469	0	770	0	0	0
796	Permanenti portati	767.9	0	-9.937	0	770	0	0	0
796	Variabile C	767.9	0	-12.421	0	770	0	0	0
799	Pesi strutturali	0	0	-0.016	0	287.5	0	-0.018	0
799	Permanenti portati	0	0	-0.012	0	287.5	0	-0.013	0
799	Variabile C	0	0	-0.014	0	287.5	0	-0.016	0
799	Pesi strutturali	287.5	0	-0.016	0	875	0	-0.019	0
799	Permanenti portati	287.5	0	-0.011	0	875	0	-0.013	0
799	Variabile C	287.5	0	-0.014	0	875	0	-0.017	0
800	Pesi strutturali	0	0	-0.019	0	0.2	0	-0.019	0
800	Permanenti portati	0	0	-0.013	0	0.2	0	-0.013	0
800	Variabile C	0	0	-0.017	0	0.2	0	-0.017	0
800	Pesi strutturali	0.2	0	-0.036	0	340	0	-0.031	0
800	Permanenti portati	0.2	0	-0.026	0	340	0	-0.022	0
800	Variabile C	0.2	0	-0.032	0	340	0	-0.027	0
801	Pesi strutturali	0	0	-0.031	0	130	0	-0.029	0
801	Permanenti portati	0	0	-0.022	0	130	0	-0.021	0
801	Variabile C	0	0	-0.027	0	130	0	-0.026	0
810	Pesi strutturali	0.1	0	-11.526	0	307.6	0	-11.526	0
810	Permanenti portati	0.1	0	-4.078	0	307.6	0	-4.078	0
810	Variabile C	0.1	0	-5.097	0	307.6	0	-5.097	0
810	Pesi strutturali	307.6	0	-17.146	0	309.3	0	-11.526	0
810	Permanenti portati	307.6	0	-5.637	0	309.3	0	-4.078	0
810	Variabile C	307.6	0	-7.046	0	309.3	0	-5.097	0
810	Pesi strutturali	309.3	0	-11.526	0	330.1	0	-11.526	0
810	Permanenti portati	309.3	0	-4.078	0	330.1	0	-4.078	0
810	Variabile C	309.3	0	-5.097	0	330.1	0	-5.097	0
810	Pesi strutturali	330.1	0	-0.042	0	330.5	0	-0.866	0
810	Permanenti portati	330.1	0	-0.03	0	330.5	0	-0.611	0
810	Variabile C	330.1	0	-0.037	0	330.5	0	-0.764	0
811	Pesi strutturali	0	0	-0.866	0	1.2	0	-3.018	0
811	Permanenti portati	0	0	-0.611	0	1.2	0	-2.13	0
811	Variabile C	0	0	-0.764	0	1.2	0	-2.663	0
811	Pesi strutturali	1.2	0	-8.03	0	4.4	0	-8.03	0
811	Permanenti portati	1.2	0	-5.668	0	4.4	0	-5.668	0
811	Variabile C	1.2	0	-7.085	0	4.4	0	-7.085	0
811	Pesi strutturali	4.4	0	-15.485	0	22	0	-15.485	0
811	Permanenti portati	4.4	0	-5.668	0	22	0	-5.668	0
811	Variabile C	4.4	0	-7.085	0	22	0	-7.085	0
811	Pesi strutturali	22	0	-17.24	0	23.7	0	-15.485	0
811	Permanenti portati	22	0	-5.668	0	23.7	0	-5.668	0
811	Variabile C	22	0	-7.085	0	23.7	0	-7.085	0
811	Pesi strutturali	23.7	0	-15.485	0	319.5	0	-15.485	0
811	Permanenti portati	23.7	0	-5.668	0	319.5	0	-5.668	0
811	Variabile C	23.7	0	-7.085	0	319.5	0	-7.085	0
811	Pesi strutturali	319.5	0	-11.526	0	342	0	-11.526	0
811	Permanenti portati	319.5	0	-4.078	0	342	0	-4.078	0
811	Variabile C	319.5	0	-5.097	0	342	0	-5.097	0
812	Pesi strutturali	0	0	-11.526	0	195	0	-11.526	0
812	Permanenti portati	0	0	-4.078	0	195	0	-4.078	0
812	Variabile C	0	0	-5.097	0	195	0	-5.097	0
812	Pesi strutturali	195	0	-4.05	0	295.1	0	-4.05	0
812	Permanenti portati	195	0	-1.62	0	295.1	0	-1.62	0
812	Variabile C	195	0	-2.025	0	295.1	0	-2.025	0
812	Pesi strutturali	295.1	0	-11.526	0	317.5	0	-11.526	0
812	Permanenti portati	295.1	0	-4.078	0	317.5	0	-4.078	0
812	Variabile C	295.1	0	-5.097	0	317.5	0	-5.097	0
813	Pesi strutturali	0.1	0	0	0	1.8	0	-2.168	0
813	Permanenti portati	0.1	0	0	0	1.8	0	-1.53	0
813	Variabile C	0.1	0	0	0	1.8	0	-1.913	0
813	Pesi strutturali	1.8	0	-2.168	0	5	0	-2.168	0
813	Permanenti portati	1.8	0	-1.53	0	5	0	-1.53	0
813	Variabile C	1.8	0	-1.913	0	5	0	-1.913	0
813	Pesi strutturali	5	0	-3.972	0	22.6	0	-3.974	0
813	Permanenti portati	5	0	-1.53	0	22.6	0	-1.532	0
813	Variabile C	5	0	-1.913	0	22.6	0	-1.915	0
813	Pesi strutturali	22.6	0	0	0	24.3	0	-3.971	0
813	Permanenti portati	22.6	0	0	0	24.3	0	-1.53	0
813	Variabile C	22.6	0	0	0	24.3	0	-1.913	0
813	Pesi strutturali	24.3	0	-3.971	0	320	0	-3.971	0
813	Permanenti portati	24.3	0	-1.53	0	320	0	-1.53	0
813	Variabile C	24.3	0	-1.913	0	320	0	-1.913	0
814	Pesi strutturali	2.5	0	-10.456	0	132.5	0	-10.456	0
814	Permanenti portati	2.5	0	-3.63	0	132.5	0	-3.63	0
814	Variabile C	2.5	0	-4.538	0	132.5	0	-4.538	0
815	Pesi strutturali	0	0	-10.456	0	187.5	0	-10.456	0
815	Permanenti portati	0	0	-3.63	0	187.5	0	-3.63	0
815	Variabile C	0	0	-4.538	0	187.5	0	-4.537	0
924	Pesi strutturali	0.5	0	-16.988	0	316.7	0	-16.979	0
924	Permanenti portati	0.5	0	-5.97	0	316.7	0	-5.967	0
924	Variabile C	0.5	0	-7.462	0	316.7	0	-7.459	0
926	Pesi strutturali	0	0	-18.685	0	710	0	-18.685	0
926	Permanenti portati	0	0	-6.72	0	710	0	-6.72	0
926	Variabile C	0	0	-8.4	0	710	0	-8.4	0
927	Pesi strutturali	0	0	-18.685	0	336.4	0	-18.685	0
927	Permanenti portati	0	0	-6.72	0	336.4	0	-6.72	0
927	Variabile C	0	0	-8.4	0	336.4	0	-8.4	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
927	Pesi strutturali	336.4	0	-50.166	0	340.1	0	-50.166	0
927	Permanenti portati	336.4	0	-17.07	0	340.1	0	-17.07	0
927	Variabile C	336.4	0	-21.337	0	340.1	0	-21.337	0
928	Pesi strutturali	0	0	-18.776	0	710	0	-18.776	0
928	Permanenti portati	0	0	-6.75	0	710	0	-6.75	0
928	Variabile C	0	0	-8.438	0	710	0	-8.438	0
929	Pesi strutturali	0	0	-18.776	0	330	0	-18.776	0
929	Permanenti portati	0	0	-6.75	0	330	0	-6.75	0
929	Variabile C	0	0	-8.438	0	330	0	-8.438	0
929	Pesi strutturali	330	0	-30	0	340	0	-30	0
929	Permanenti portati	330	0	-10.44	0	340	0	-10.44	0
929	Variabile C	330	0	-13.05	0	340	0	-13.05	0
930	Pesi strutturali	0	0	-20.601	0	277.5	0	-20.601	0
930	Permanenti portati	0	0	-7.35	0	277.5	0	-7.35	0
930	Variabile C	0	0	-9.188	0	277.5	0	-9.188	0
931	Pesi strutturali	0	0	-20.601	0	177.5	0	-20.601	0
931	Permanenti portati	0	0	-7.35	0	177.5	0	-7.35	0
931	Variabile C	0	0	-9.188	0	177.5	0	-9.188	0
932	Pesi strutturali	0	0	-20.601	0	265	0	-20.601	0
932	Permanenti portati	0	0	-7.35	0	265	0	-7.35	0
932	Variabile C	0	0	-9.188	0	265	0	-9.188	0
933	Pesi strutturali	0	0	-20.601	0	320	0	-20.601	0
933	Permanenti portati	0	0	-7.35	0	320	0	-7.35	0
933	Variabile C	0	0	-9.188	0	320	0	-9.188	0
934	Pesi strutturali	0	0	-19.324	0	710	0	-19.324	0
934	Permanenti portati	0	0	-6.93	0	710	0	-6.93	0
934	Variabile C	0	0	-8.663	0	710	0	-8.663	0
935	Pesi strutturali	0	0	-19.324	0	330	0	-19.324	0
935	Permanenti portati	0	0	-6.93	0	330	0	-6.93	0
935	Variabile C	0	0	-8.663	0	330	0	-8.663	0
935	Pesi strutturali	330	0	-30.456	0	340	0	-30.456	0
935	Permanenti portati	330	0	-10.59	0	340	0	-10.59	0
935	Variabile C	330	0	-13.238	0	340	0	-13.238	0
936	Pesi strutturali	0	0	-19.324	0	710	0	-19.324	0
936	Permanenti portati	0	0	-6.93	0	710	0	-6.93	0
936	Variabile C	0	0	-8.662	0	710	0	-8.662	0
937	Pesi strutturali	0	0	-19.324	0	340	0	-19.324	0
937	Permanenti portati	0	0	-6.93	0	340	0	-6.93	0
937	Variabile C	0	0	-8.662	0	340	0	-8.662	0
939	Pesi strutturali	0	0	-19.963	0	277.5	0	-19.963	0
939	Permanenti portati	0	0	-7.14	0	277.5	0	-7.14	0
939	Variabile C	0	0	-8.925	0	277.5	0	-8.925	0
940	Pesi strutturali	0	0	-19.963	0	177.5	0	-19.963	0
940	Permanenti portati	0	0	-7.14	0	177.5	0	-7.14	0
940	Variabile C	0	0	-8.925	0	177.5	0	-8.925	0
941	Pesi strutturali	0	0	-19.963	0	264.4	0	-19.963	0
941	Permanenti portati	0	0	-7.14	0	264.4	0	-7.14	0
941	Variabile C	0	0	-8.925	0	264.4	0	-8.925	0
942	Pesi strutturali	0	0	-19.963	0	320.6	0	-19.963	0
942	Permanenti portati	0	0	-7.14	0	320.6	0	-7.14	0
942	Variabile C	0	0	-8.925	0	320.6	0	-8.925	0
943	Pesi strutturali	0	0	-19.963	0	10	0	-19.963	0
943	Permanenti portati	0	0	-7.14	0	10	0	-7.14	0
943	Variabile C	0	0	-8.925	0	10	0	-8.925	0
944	Pesi strutturali	0	0	-18.594	0	710	0	-18.594	0
944	Permanenti portati	0	0	-6.69	0	710	0	-6.69	0
944	Variabile C	0	0	-8.362	0	710	0	-8.362	0
945	Pesi strutturali	0	0	-18.594	0	340	0	-18.594	0
945	Permanenti portati	0	0	-6.69	0	340	0	-6.69	0
945	Variabile C	0	0	-8.362	0	340	0	-8.362	0
946	Pesi strutturali	0	0	-18.594	0	710	0	-18.594	0
946	Permanenti portati	0	0	-6.69	0	710	0	-6.69	0
946	Variabile C	0	0	-8.362	0	710	0	-8.362	0
947	Pesi strutturali	0	0	-18.594	0	340	0	-18.594	0
947	Permanenti portati	0	0	-6.69	0	340	0	-6.69	0
947	Variabile C	0	0	-8.362	0	340	0	-8.362	0
948	Pesi strutturali	0	0	-19.597	0	280.1	0	-19.597	0
948	Permanenti portati	0	0	-7.02	0	280.1	0	-7.02	0
948	Variabile C	0	0	-8.775	0	280.1	0	-8.775	0
949	Pesi strutturali	0	0	-19.597	0	175	0	-19.597	0
949	Permanenti portati	0	0	-7.02	0	175	0	-7.02	0
949	Variabile C	0	0	-8.775	0	175	0	-8.775	0
950	Pesi strutturali	0	0	-19.597	0	255	0	-19.597	0
950	Permanenti portati	0	0	-7.02	0	255	0	-7.02	0
950	Variabile C	0	0	-8.775	0	255	0	-8.775	0
951	Pesi strutturali	0	0	-19.597	0	340	0	-19.597	0
951	Permanenti portati	0	0	-7.02	0	340	0	-7.02	0
951	Variabile C	0	0	-8.775	0	340	0	-8.775	0
953	Pesi strutturali	0	0	-9.51	0	5	0	-9.51	0
953	Permanenti portati	0	0	-3.415	0	5	0	-3.415	0
953	Variabile C	0	0	-4.269	0	5	0	-4.269	0
953	Pesi strutturali	5	0	-21.24	0	112.5	0	-21.24	0
953	Permanenti portati	5	0	-5.487	0	112.5	0	-5.487	0
953	Variabile C	5	0	-11.177	0	112.5	0	-11.177	0
954	Pesi strutturali	0	0	-21.24	0	210	0	-21.24	0
954	Permanenti portati	0	0	-5.487	0	210	0	-5.487	0
954	Variabile C	0	0	-11.177	0	210	0	-11.177	0
955	Pesi strutturali	0	0	-21.24	0	22.6	0	-21.24	0
955	Permanenti portati	0	0	-5.487	0	22.6	0	-5.487	0
955	Variabile C	0	0	-11.177	0	22.6	0	-11.177	0
955	Pesi strutturali	22.6	0	-21.24	0	75.1	0	-21.279	0
955	Permanenti portati	22.6	0	-5.487	0	75.1	0	-5.501	0
955	Variabile C	22.6	0	-11.177	0	75.1	0	-11.223	0
955	Pesi strutturali	75.1	0	-21.279	0	257.5	0	-21.304	0
955	Permanenti portati	75.1	0	-5.501	0	257.5	0	-5.51	0
955	Variabile C	75.1	0	-11.223	0	257.5	0	-11.252	0
956	Pesi strutturali	7.7	0	-0.156	0	37	0	-0.402	0
956	Permanenti portati	7.7	0	-0.11	0	37	0	-0.284	0
956	Variabile C	7.7	0	-0.138	0	37	0	-0.355	0
956	Pesi strutturali	37	0	-0.402	0	56.5	0	-0.509	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
956	Permanenti portati	37	0	-0.284	0	56.5	0	-0.359	0
956	Variabile C	37	0	-0.355	0	56.5	0	-0.449	0
956	Pesi strutturali	56.5	0	-0.509	0	69.8	0	-0.634	0
956	Permanenti portati	56.5	0	-0.359	0	69.8	0	-0.447	0
956	Variabile C	56.5	0	-0.449	0	69.8	0	-0.559	0
956	Pesi strutturali	69.8	0	-0.634	0	76	0	-0.682	0
956	Permanenti portati	69.8	0	-0.447	0	76	0	-0.481	0
956	Variabile C	69.8	0	-0.559	0	76	0	-0.601	0
956	Pesi strutturali	76	0	-0.718	0	291.2	0	-4.359	0
956	Permanenti portati	76	0	-0.507	0	291.2	0	-1.649	0
956	Variabile C	76	0	-0.634	0	291.2	0	-2.061	0
956	Pesi strutturali	291.2	0	-4.359	0	443.6	0	-6.994	0
956	Permanenti portati	291.2	0	-1.649	0	443.6	0	-2.476	0
956	Variabile C	291.2	0	-2.061	0	443.6	0	-3.095	0
960	Pesi strutturali	0.2	0	-10.164	0	167.5	0	-10.164	0
960	Permanenti portati	0.2	0	-3.63	0	167.5	0	-3.63	0
960	Variabile C	0.2	0	-4.537	0	167.5	0	-4.537	0
961	Pesi strutturali	0	0	-20.236	0	167.5	0	-20.236	0
961	Permanenti portati	0	0	-7.23	0	167.5	0	-7.23	0
961	Variabile C	0	0	-9.037	0	167.5	0	-9.037	0
961	Pesi strutturali	167.5	0	-20.054	0	280	0	-20.054	0
961	Permanenti portati	167.5	0	-7.17	0	280	0	-7.17	0
961	Variabile C	167.5	0	-8.963	0	280	0	-8.963	0
962	Pesi strutturali	0	0	-9.981	0	167.5	0	-9.981	0
962	Permanenti portati	0	0	-3.57	0	167.5	0	-3.57	0
962	Variabile C	0	0	-4.463	0	167.5	0	-4.463	0
963	Pesi strutturali	0	0	-26.168	0	175	0	-26.168	0
963	Permanenti portati	0	0	-9.18	0	175	0	-9.18	0
963	Variabile C	0	0	-11.475	0	175	0	-11.475	0
964	Pesi strutturali	0	0	-26.168	0	255	0	-26.168	0
964	Permanenti portati	0	0	-9.18	0	255	0	-9.18	0
964	Variabile C	0	0	-11.475	0	255	0	-11.475	0
965	Pesi strutturali	0	0	-26.168	0	340	0	-26.168	0
965	Permanenti portati	0	0	-9.18	0	340	0	-9.18	0
965	Variabile C	0	0	-11.475	0	340	0	-11.475	0
979	Pesi strutturali	0	0	-10.164	0	275	0	-10.164	0
979	Permanenti portati	0	0	-3.63	0	275	0	-3.63	0
979	Variabile C	0	0	-4.537	0	275	0	-4.537	0
979	Pesi strutturali	275	0	-26.35	0	317.5	0	-26.35	0
979	Permanenti portati	275	0	-9.24	0	317.5	0	-9.24	0
979	Variabile C	275	0	-11.55	0	317.5	0	-11.55	0
980	Pesi strutturali	0	0	-37.391	0	5	0	-37.391	0
980	Permanenti portati	0	0	-12.87	0	5	0	-12.87	0
980	Variabile C	0	0	-16.088	0	5	0	-16.088	0
980	Pesi strutturali	5	0	-16.186	0	387.5	0	-16.186	0
980	Permanenti portati	5	0	-5.61	0	387.5	0	-5.61	0
980	Variabile C	5	0	-7.013	0	387.5	0	-7.013	0
981	Pesi strutturali	0	0	-16.186	0	340	0	-16.186	0
981	Permanenti portati	0	0	-5.61	0	340	0	-5.61	0
981	Variabile C	0	0	-7.013	0	340	0	-7.013	0
987	Pesi strutturali	0	0	-11.715	0	285	0	-11.723	0
987	Permanenti portati	0	0	-4.14	0	285	0	-4.143	0
987	Variabile C	0	0	-5.175	0	285	0	-5.178	0
987	Pesi strutturali	285	0	-11.723	0	307.5	0	-11.759	0
987	Permanenti portati	285	0	-4.143	0	307.5	0	-4.168	0
987	Variabile C	285	0	-5.178	0	307.5	0	-5.21	0
988	Pesi strutturali	0	0	-11.759	0	270	0	-11.798	0
988	Permanenti portati	0	0	-4.168	0	270	0	-4.193	0
988	Variabile C	0	0	-5.21	0	270	0	-5.241	0
989	Pesi strutturali	0	0	-11.798	0	97.5	0	-11.813	0
989	Permanenti portati	0	0	-4.193	0	97.5	0	-4.202	0
989	Variabile C	0	0	-5.241	0	97.5	0	-5.252	0
994	Pesi strutturali	0	0	-10.365	0	280	0	-10.365	0
994	Permanenti portati	0	0	-3.6	0	280	0	-3.6	0
994	Variabile C	0	0	-4.5	0	280	0	-4.5	0
995	Pesi strutturali	0	0	-5.524	0	300	0	-5.516	0
995	Permanenti portati	0	0	-1.004	0	300	0	-1.003	0
995	Variabile C	0	0	-3.347	0	300	0	-3.343	0
996	Pesi strutturali	0	0	-21.27	0	167.5	0	-21.266	0
996	Permanenti portati	0	0	-4.693	0	167.5	0	-4.692	0
996	Variabile C	0	0	-11.46	0	167.5	0	-11.457	0
997	Pesi strutturali	0	0	-5.522	0	300	0	-5.522	0
997	Permanenti portati	0	0	-2.008	0	300	0	-2.008	0
997	Variabile C	0	0	-2.51	0	300	0	-2.51	0
1019	Pesi strutturali	297.4	0	-5.223	0	297.5	0	-5.223	0
1019	Permanenti portati	297.4	0	-1.003	0	297.5	0	-1.003	0
1019	Variabile C	297.4	0	-3.343	0	297.5	0	-3.343	0
1020	Pesi strutturali	0	0	-5.223	0	300	0	-5.231	0
1020	Permanenti portati	0	0	-1.003	0	300	0	-1.004	0
1020	Variabile C	0	0	-3.343	0	300	0	-3.347	0
1020	Pesi strutturali	300	0	-15.451	0	467.5	0	-15.456	0
1020	Permanenti portati	300	0	-2.684	0	467.5	0	-2.685	0
1020	Variabile C	300	0	-8.947	0	467.5	0	-8.95	0
1021	Pesi strutturali	0.1	0	-11.715	0	307.5	0	-11.723	0
1021	Permanenti portati	0.1	0	-4.14	0	307.5	0	-4.143	0
1021	Variabile C	0.1	0	-5.175	0	307.5	0	-5.178	0
1022	Pesi strutturali	0	0	-11.723	0	367.5	0	-11.734	0
1022	Permanenti portati	0	0	-4.143	0	367.5	0	-4.146	0
1022	Variabile C	0	0	-5.178	0	367.5	0	-5.183	0
1108	Permanenti portati	0	0	-1.358	0	27	0	-1.564	0
1108	Variabile H	0	0	-0.754	0	27	0	-0.869	0
1108	Permanenti portati	27	0	-1.564	0	36.3	0	-1.591	0
1108	Variabile H	27	0	-0.869	0	36.3	0	-0.884	0
1108	Permanenti portati	36.3	0	-1.564	0	337.9	0	-2.727	0
1108	Variabile H	36.3	0	-0.869	0	337.9	0	-1.515	0
1108	Permanenti portati	337.9	0	-3.936	0	340	0	-3.952	0
1108	Variabile H	337.9	0	-2.187	0	340	0	-2.196	0
1108	Permanenti portati	340	0	-2.676	0	345	0	-2.676	0
1108	Variabile H	340	0	-1.486	0	345	0	-1.486	0
1109	Permanenti portati	0	0	-2.676	0	255	0	-2.676	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
1109	Variabile H	0	0	-1.486	0	255	0	-1.486	0
1110	Permanenti portati	0	0	-2.676	0	210	0	-2.676	0
1110	Variabile H	0	0	-1.486	0	210	0	-1.486	0
1111	Permanenti portati	0	0	-2.676	0	112.5	0	-2.676	0
1111	Variabile H	0	0	-1.486	0	112.5	0	-1.486	0
1111	Permanenti portati	112.5	0	-2.65	0	302.5	0	-2.65	0
1111	Variabile H	112.5	0	-1.472	0	302.5	0	-1.472	0
1112	Permanenti portati	0	0	-2.599	0	345	0	-2.599	0
1112	Variabile H	0	0	-1.444	0	345	0	-1.444	0
1113	Permanenti portati	0	0	-2.599	0	256.5	0	-2.599	0
1113	Variabile H	0	0	-1.444	0	256.5	0	-1.444	0
1114	Permanenti portati	0	0	-2.599	0	511	0	-2.599	0
1114	Variabile H	0	0	-1.444	0	511	0	-1.444	0
1115	Permanenti portati	0	0	-2.442	0	345	0	-2.442	0
1115	Variabile H	0	0	-1.357	0	345	0	-1.357	0
1116	Permanenti portati	0	0	-2.442	0	255	0	-2.442	0
1116	Variabile H	0	0	-1.357	0	255	0	-1.357	0
1117	Permanenti portati	0	0	-2.442	0	512.5	0	-2.442	0
1117	Variabile H	0	0	-1.357	0	512.5	0	-1.357	0
1141	Pesi strutturali	0	2.948	-8.557	0	32.9	2.948	-8.557	0
1141	Permanenti portati	0	0.994	-2.884	0	32.9	0.994	-2.884	0
1141	Variabile H	0	0.552	-1.602	0	32.9	0.552	-1.602	0
1141	Neve	0	0.618	-1.795	0	32.9	0.618	-1.795	0
1154	Pesi strutturali	0	0	-0.113	0	3.4	0	-0.084	0
1154	Permanenti portati	0	0	-0.038	0	3.4	0	-0.028	0
1154	Variabile H	0	0	-0.021	0	3.4	0	-0.016	0
1154	Neve	0	0	-0.024	0	3.4	0	-0.018	0
1154	Pesi strutturali	3.4	0	-0.122	0	5.7	0	-0.094	0
1154	Permanenti portati	3.4	0	-0.041	0	5.7	0	-0.032	0
1154	Variabile H	3.4	0	-0.023	0	5.7	0	-0.018	0
1154	Neve	3.4	0	-0.026	0	5.7	0	-0.02	0
1154	Pesi strutturali	5.7	0	-0.094	0	9.1	0	-0.071	0
1154	Permanenti portati	5.7	0	-0.032	0	9.1	0	-0.024	0
1154	Variabile H	5.7	0	-0.018	0	9.1	0	-0.013	0
1154	Neve	5.7	0	-0.02	0	9.1	0	-0.015	0
1154	Pesi strutturali	9.1	0	-0.225	0	12.3	0	-0.126	0
1154	Permanenti portati	9.1	0	-0.076	0	12.3	0	-0.042	0
1154	Variabile H	9.1	0	-0.042	0	12.3	0	-0.024	0
1154	Neve	9.1	0	-0.047	0	12.3	0	-0.026	0
1154	Pesi strutturali	12.3	0	-0.126	0	16.4	0	-0.021	0
1154	Permanenti portati	12.3	0	-0.042	0	16.4	0	-0.007	0
1154	Variabile H	12.3	0	-0.024	0	16.4	0	-0.004	0
1154	Neve	12.3	0	-0.026	0	16.4	0	-0.004	0
1154	Pesi strutturali	16.4	0	0	0	18.7	0	-0.034	0
1154	Permanenti portati	16.4	0	0	0	18.7	0	-0.012	0
1154	Variabile H	16.4	0	0	0	18.7	0	-0.006	0
1154	Neve	16.4	0	0	0	18.7	0	-0.007	0
1159	Pesi strutturali	0	0	0	0	4.6	0	-22.317	0
1159	Permanenti portati	0	0	-1.322	0	4.6	0	-3.838	0
1159	Variabile H	0	0	-0.734	0	4.6	0	-2.307	0
1159	Pesi strutturali	4.6	0	-11.717	0	110	0	-11.734	0
1159	Permanenti portati	4.6	0	-2.677	0	110	0	-2.676	0
1159	Variabile H	4.6	0	-1.581	0	110	0	-1.581	0
1160	Pesi strutturali	0	0	-11.734	0	25	0	-11.739	0
1160	Permanenti portati	0	0	-2.676	0	25	0	-2.676	0
1160	Variabile H	0	0	-1.581	0	25	0	-1.581	0
1160	Pesi strutturali	25	0	-11.739	0	83.2	0	-11.79	0
1160	Permanenti portati	25	0	-2.676	0	83.2	0	-2.686	0
1160	Variabile H	25	0	-1.581	0	83.2	0	-1.587	0
1160	Pesi strutturali	83.2	0	-11.79	0	210	0	-11.838	0
1160	Permanenti portati	83.2	0	-2.686	0	210	0	-2.691	0
1160	Variabile H	83.2	0	-1.587	0	210	0	-1.591	0
1161	Pesi strutturali	0	0	-11.838	0	107.5	0	-11.879	0
1161	Permanenti portati	0	0	-2.691	0	107.5	0	-2.696	0
1161	Variabile H	0	0	-1.591	0	107.5	0	-1.595	0
1161	Pesi strutturali	107.5	0	-11.879	0	251.8	0	-11.935	0
1161	Permanenti portati	107.5	0	-2.696	0	251.8	0	-2.699	0
1161	Variabile H	107.5	0	-1.595	0	251.8	0	-1.597	0
1161	Pesi strutturali	251.8	0	-11.962	0	255.1	0	-11.936	0
1161	Permanenti portati	251.8	0	-2.705	0	255.1	0	-2.699	0
1161	Variabile H	251.8	0	-1.601	0	255.1	0	-1.597	0
1161	Pesi strutturali	255.1	0	-11.936	0	260	0	-11.938	0
1161	Permanenti portati	255.1	0	-2.699	0	260	0	-2.699	0
1161	Variabile H	255.1	0	-1.597	0	260	0	-1.597	0
1161	Pesi strutturali	260	0	-11.938	0	262.5	0	-11.939	0
1161	Permanenti portati	260	0	-2.699	0	262.5	0	-2.684	0
1161	Variabile H	260	0	-1.597	0	262.5	0	-1.589	0
1162	Permanenti portati	45.2	0	0	0	57.4	0	-0.034	0
1162	Variabile H	45.2	0	0	0	57.4	0	-0.019	0
1162	Permanenti portati	57.4	0	-0.055	0	450.7	0	-0.927	0
1162	Variabile H	57.4	0	-0.03	0	450.7	0	-0.515	0
1162	Pesi strutturali	0	0	-1.016	0	16.2	0	-1.058	0
1162	Permanenti portati	0	0	-0.343	0	16.2	0	-0.357	0
1162	Variabile H	0	0	-0.19	0	16.2	0	-0.198	0
1162	Neve	0	0	-0.213	0	16.2	0	-0.222	0
1162	Pesi strutturali	16.2	0	-1.058	0	39.9	0	-1.127	0
1162	Permanenti portati	16.2	0	-0.357	0	39.9	0	-0.38	0
1162	Variabile H	16.2	0	-0.198	0	39.9	0	-0.211	0
1162	Neve	16.2	0	-0.222	0	39.9	0	-0.236	0
1162	Pesi strutturali	39.9	0	-1.127	0	114.2	0	-0.978	0
1162	Permanenti portati	39.9	0	-0.38	0	114.2	0	-0.33	0
1162	Variabile H	39.9	0	-0.211	0	114.2	0	-0.183	0
1162	Neve	39.9	0	-0.236	0	114.2	0	-0.205	0
1162	Pesi strutturali	114.2	0	-0.784	0	301.8	0	-0.603	0
1162	Permanenti portati	114.2	0	-0.264	0	301.8	0	-0.203	0
1162	Variabile H	114.2	0	-0.147	0	301.8	0	-0.113	0
1162	Neve	114.2	0	-0.165	0	301.8	0	-0.127	0
1162	Pesi strutturali	301.8	0	-0.603	0	396	0	-0.415	0
1162	Permanenti portati	301.8	0	-0.203	0	396	0	-0.14	0
1162	Variabile H	301.8	0	-0.113	0	396	0	-0.078	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
1162	Neve	301.8	0	-0.127	0	396	0	-0.087	0
1162	Pesi strutturali	396	0	-0.529	0	441.2	0	-0.334	0
1162	Permanenti portati	396	0	-0.178	0	441.2	0	-0.113	0
1162	Variabile H	396	0	-0.099	0	441.2	0	-0.063	0
1162	Neve	396	0	-0.111	0	441.2	0	-0.07	0
1180	Permanenti portati	0	0	-1.969	0	862.5	0	-1.966	0
1180	Variabile H	0	0	-1.094	0	862.5	0	-1.092	0
1181	Permanenti portati	0	0	-1.966	0	885	0	-1.963	0
1181	Variabile H	0	0	-1.092	0	885	0	-1.091	0
1182	Permanenti portati	0	0	-1.963	0	847.5	0	-1.96	0
1182	Variabile H	0	0	-1.091	0	847.5	0	-1.089	0
1183	Permanenti portati	0	0	-2.036	0	862.5	0	-2.036	0
1183	Variabile H	0	0	-1.131	0	862.5	0	-1.131	0
1184	Permanenti portati	0	0	-2.036	0	885	0	-2.036	0
1184	Variabile H	0	0	-1.131	0	885	0	-1.131	0
1185	Permanenti portati	0	0	-2.036	0	842.5	0	-2.036	0
1185	Variabile H	0	0	-1.131	0	842.5	0	-1.131	0
1185	Permanenti portati	842.5	0	-2.002	0	845	0	-2.002	0
1185	Variabile H	842.5	0	-1.112	0	845	0	-1.112	0
1186	Permanenti portati	0	0	-2.002	0	2.5	0	-2.002	0
1186	Variabile H	0	0	-1.112	0	2.5	0	-1.112	0
1186	Permanenti portati	2.5	0	-3.172	0	297.5	0	-3.172	0
1186	Variabile H	2.5	0	-1.762	0	297.5	0	-1.762	0
1187	Permanenti portati	0	0	-1.213	0	208.9	0	-1.214	0
1187	Variabile H	0	0	-0.674	0	208.9	0	-0.674	0
1188	Permanenti portati	0	0	-1.214	0	263.6	0	-1.215	0
1188	Variabile H	0	0	-0.674	0	263.6	0	-0.675	0
1189	Pesi strutturali	22.5	0.003	-12.423	0	25	0.003	-12.423	0
1189	Permanenti portati	22.5	0.001	-2.164	0	25	0.001	-2.164	0
1189	Variabile H	22.5	0	-0.902	0	25	0	-0.902	0
1189	Neve	22.5	0	-1.01	0	25	0	-1.01	0
1190	Pesi strutturali	0	0.003	-12.423	0	307.5	0.003	-12.423	0
1190	Permanenti portati	0	0.001	-2.164	0	307.5	0.001	-2.163	0
1190	Variabile H	0	0	-0.902	0	307.5	0	-0.901	0
1190	Neve	0	0	-1.01	0	307.5	0	-1.009	0
1191	Pesi strutturali	0	0.003	-12.423	0	365.2	0.003	-12.424	0
1191	Permanenti portati	0	0.001	-2.163	0	365.2	0.001	-2.161	0
1191	Variabile H	0	0	-0.901	0	365.2	0	-0.9	0
1191	Neve	0	0	-1.009	0	365.2	0	-1.008	0
1193	Pesi strutturali	0	-11.174	-32.433	0	24.9	-10.961	-31.817	0
1193	Permanenti portati	0	-3.766	-10.932	0	24.9	-3.695	-10.725	0
1193	Variabile H	0	-2.092	-6.074	0	24.9	-2.053	-5.958	0
1193	Neve	0	-2.344	-6.802	0	24.9	-2.299	-6.673	0
1193	Pesi strutturali	24.9	-6.277	-18.218	0	29.6	-6.256	-18.159	0
1193	Permanenti portati	24.9	-2.116	-6.141	0	29.6	-2.109	-6.121	0
1193	Variabile H	24.9	-1.175	-3.412	0	29.6	-1.172	-3.4	0
1193	Neve	24.9	-1.316	-3.821	0	29.6	-1.312	-3.809	0
1194	Pesi strutturali	0	-6.256	-18.159	0	3.2	-6.242	-18.118	0
1194	Permanenti portati	0	-2.109	-6.121	0	3.2	-2.104	-6.107	0
1194	Variabile H	0	-1.172	-3.4	0	3.2	-1.169	-3.393	0
1194	Neve	0	-1.312	-3.809	0	3.2	-1.309	-3.8	0
1194	Pesi strutturali	3.2	-2.656	-7.71	0	8.5	-2.656	-7.711	0
1194	Permanenti portati	3.2	-0.895	-2.599	0	8.5	-0.895	-2.599	0
1194	Variabile H	3.2	-0.497	-1.444	0	8.5	-0.497	-1.444	0
1194	Neve	3.2	-0.557	-1.617	0	8.5	-0.557	-1.617	0
1194	Pesi strutturali	8.5	-1.333	-3.87	0	24.4	-1.334	-3.871	0
1194	Permanenti portati	8.5	-0.449	-1.305	0	24.4	-0.45	-1.305	0
1194	Variabile H	8.5	-0.25	-0.725	0	24.4	-0.25	-0.725	0
1194	Neve	8.5	-0.28	-0.812	0	24.4	-0.28	-0.812	0
1195	Permanenti portati	0	0	-4.396	0	20	0	-4.398	0
1195	Variabile H	0	0	-2.442	0	20	0	-2.443	0
1195	Permanenti portati	20	0	-2.89	0	325.1	0	-2.89	0
1195	Variabile H	20	0	-1.605	0	325.1	0	-1.605	0
1195	Permanenti portati	325.1	0	-2.775	0	326.4	0	-2.595	0
1195	Variabile H	325.1	0	-1.542	0	326.4	0	-1.442	0
1195	Permanenti portati	326.4	0	-1.246	0	337.9	0	-1.248	0
1195	Variabile H	326.4	0	-0.692	0	337.9	0	-0.693	0
1195	Permanenti portati	337.9	0	-2.764	0	345	0	-2.766	0
1195	Variabile H	337.9	0	-1.536	0	345	0	-1.537	0
1196	Permanenti portati	0	0	-2.766	0	165	0	-2.806	0
1196	Variabile H	0	0	-1.537	0	165	0	-1.559	0
1197	Permanenti portati	0	0	-2.806	0	15	0	-2.809	0
1197	Variabile H	0	0	-1.559	0	15	0	-1.561	0
1197	Permanenti portati	15	0	-2.809	0	90	0	-2.822	0
1197	Variabile H	15	0	-1.561	0	90	0	-1.568	0
1198	Permanenti portati	0	0	-2.822	0	212.5	0	-2.859	0
1198	Variabile H	0	0	-1.568	0	212.5	0	-1.588	0
1199	Permanenti portati	0	0	-2.859	0	110	0	-2.877	0
1199	Variabile H	0	0	-1.588	0	110	0	-1.599	0
1199	Permanenti portati	110	0	-2.877	0	137.5	0	-2.89	0
1199	Variabile H	110	0	-1.599	0	137.5	0	-1.605	0
1199	Permanenti portati	137.5	0	-2.89	0	180.3	0	-2.89	0
1199	Variabile H	137.5	0	-1.605	0	180.3	0	-1.605	0
1199	Permanenti portati	180.3	0	-2.89	0	295	0	-2.922	0
1199	Variabile H	180.3	0	-1.605	0	295	0	-1.623	0
1199	Permanenti portati	295	0	-1.38	0	300	0	-1.381	0
1199	Variabile H	295	0	-0.767	0	300	0	-0.767	0
1200	Permanenti portati	0	0	-2.645	0	345	0	-2.645	0
1200	Variabile H	0	0	-1.469	0	345	0	-1.469	0
1201	Permanenti portati	0	0	-2.645	0	256	0	-2.645	0
1201	Variabile H	0	0	-1.469	0	256	0	-1.469	0
1202	Permanenti portati	0	0	-2.645	0	511.5	0	-2.645	0
1202	Variabile H	0	0	-1.469	0	511.5	0	-1.469	0
1203	Permanenti portati	0	0	-2.6	0	345	0	-2.6	0
1203	Variabile H	0	0	-1.444	0	345	0	-1.444	0
1204	Permanenti portati	0	0	-2.6	0	255	0	-2.6	0
1204	Variabile H	0	0	-1.444	0	255	0	-1.444	0
1205	Permanenti portati	0	0	-2.6	0	512.5	0	-2.6	0
1205	Variabile H	0	0	-1.444	0	512.5	0	-1.444	0
1206	Permanenti portati	0.2	0	-2.542	0	345.2	0	-2.542	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
1206	Variabile H	0.2	0	-1.412	0	345.2	0	-1.412	0
1207	Permanenti portati	0	0	-2.542	0	257.5	0	-2.542	0
1207	Variabile H	0	0	-1.412	0	257.5	0	-1.412	0
1208	Permanenti portati	0	0	-2.542	0	210	0	-2.542	0
1208	Variabile H	0	0	-1.412	0	210	0	-1.412	0
1209	Permanenti portati	0	0	-2.542	0	300	0	-2.542	0
1209	Variabile H	0	0	-1.412	0	300	0	-1.412	0
1210	Permanenti portati	0	0	-1.508	0	306.4	0	-1.529	0
1210	Variabile H	0	0	-0.838	0	306.4	0	-0.85	0
1210	Permanenti portati	306.4	0	-2.878	0	317.5	0	-0.534	0
1210	Variabile H	306.4	0	-1.599	0	317.5	0	-0.297	0
1211	Permanenti portati	0	0	-0.534	0	0.4	0	-0.444	0
1211	Variabile H	0	0	-0.297	0	0.4	0	-0.247	0
1211	Permanenti portati	0.4	0	-4.403	0	2.5	0	-3.959	0
1211	Variabile H	0.4	0	-2.446	0	2.5	0	-2.2	0
1211	Permanenti portati	2.5	0	-2.744	0	261.3	0	-2.743	0
1211	Variabile H	2.5	0	-1.525	0	261.3	0	-1.524	0
1212	Permanenti portati	0	0	-2.743	0	508.8	0	-2.742	0
1212	Variabile H	0	0	-1.524	0	508.8	0	-1.523	0
1212	Permanenti portati	508.8	0	-1.267	0	513.8	0	-1.267	0
1212	Variabile H	508.8	0	-0.704	0	513.8	0	-0.704	0
1213	Permanenti portati	23.6	0	-1.53	0	25	0	-5.268	0
1213	Variabile H	23.6	0	-0.85	0	25	0	-2.927	0
1214	Permanenti portati	0	0	-3.489	0	295	0	-3.49	0
1214	Variabile H	0	0	-1.938	0	295	0	-1.939	0
1214	Permanenti portati	295	0	-2.7	0	297.5	0	-2.7	0
1214	Variabile H	295	0	-1.5	0	297.5	0	-1.5	0
1215	Permanenti portati	0	0	-2.7	0	287.5	0	-2.7	0
1215	Variabile H	0	0	-1.5	0	287.5	0	-1.5	0
1216	Permanenti portati	0	0	-2.7	0	270	0	-2.7	0
1216	Variabile H	0	0	-1.5	0	270	0	-1.5	0
1217	Permanenti portati	0	0	-2.7	0	287.5	0	-2.7	0
1217	Variabile H	0	0	-1.5	0	287.5	0	-1.5	0
1218	Permanenti portati	0	0	-2.7	0	307.5	0	-2.7	0
1218	Variabile H	0	0	-1.5	0	307.5	0	-1.5	0
1219	Permanenti portati	0	0	-2.7	0	270	0	-2.7	0
1219	Variabile H	0	0	-1.5	0	270	0	-1.5	0
1220	Permanenti portati	0	0	-2.7	0	307.5	0	-2.7	0
1220	Variabile H	0	0	-1.5	0	307.5	0	-1.5	0
1221	Permanenti portati	0	0	-2.7	0	305	0	-2.7	0
1221	Variabile H	0	0	-1.5	0	305	0	-1.5	0
1222	Permanenti portati	0	0	-2.7	0	257.5	0	-2.7	0
1222	Variabile H	0	0	-1.5	0	257.5	0	-1.5	0
1223	Permanenti portati	0	0	-2.7	0	297	0	-2.7	0
1223	Variabile H	0	0	-1.5	0	297	0	-1.5	0
1223	Permanenti portati	297	0	-4.231	0	300	0	-1.35	0
1223	Variabile H	297	0	-2.35	0	300	0	-0.75	0
1227	Pesi strutturali	285.3	0	-12.583	0	287.5	0	-12.584	0
1227	Permanenti portati	285.3	0	-2.221	0	287.5	0	-2.221	0
1227	Variabile H	285.3	0	-0.925	0	287.5	0	-0.925	0
1227	Neve	285.3	0	-1.037	0	287.5	0	-1.037	0
1228	Pesi strutturali	0	0	-12.584	0	307.5	0	-12.631	0
1228	Permanenti portati	0	0	-2.221	0	307.5	0	-2.236	0
1228	Variabile H	0	0	-0.925	0	307.5	0	-0.932	0
1228	Neve	0	0	-1.037	0	307.5	0	-1.044	0
1229	Pesi strutturali	0	0	-12.631	0	252.4	0	-12.67	0
1229	Permanenti portati	0	0	-2.236	0	252.4	0	-2.248	0
1229	Variabile H	0	0	-0.932	0	252.4	0	-0.937	0
1229	Neve	0	0	-1.044	0	252.4	0	-1.049	0
1229	Pesi strutturali	252.4	0	-12.689	0	270	0	-12.692	0
1229	Permanenti portati	252.4	0	-2.255	0	270	0	-2.256	0
1229	Variabile H	252.4	0	-0.94	0	270	0	-0.94	0
1229	Neve	252.4	0	-1.052	0	270	0	-1.053	0
1230	Pesi strutturali	0	0	-12.692	0	12.4	0	-12.694	0
1230	Permanenti portati	0	0	-2.256	0	12.4	0	-2.257	0
1230	Variabile H	0	0	-0.94	0	12.4	0	-0.94	0
1230	Neve	0	0	-1.053	0	12.4	0	-1.053	0
1230	Pesi strutturali	12.4	0	-12.674	0	95.4	0	-12.687	0
1230	Permanenti portati	12.4	0	-2.25	0	95.4	0	-2.254	0
1230	Variabile H	12.4	0	-0.937	0	95.4	0	-0.939	0
1230	Neve	12.4	0	-1.05	0	95.4	0	-1.052	0
1224	Permanenti portati	22.5	0	0	0	23.6	0	-2.9	0
1224	Variabile H	22.5	0	0	0	23.6	0	-1.611	0
1224	Permanenti portati	23.6	0	-1.55	0	322.5	0	-1.548	0
1224	Variabile H	23.6	0	-0.861	0	322.5	0	-0.86	0
1225	Permanenti portati	0	0	-1.548	0	287.5	0	-1.546	0
1225	Variabile H	0	0	-0.86	0	287.5	0	-0.859	0
1226	Permanenti portati	0	0	-1.546	0	270	0	-1.544	0
1226	Variabile H	0	0	-0.859	0	270	0	-0.858	0
1227	Permanenti portati	0	0	-1.544	0	287.5	0	-1.542	0
1227	Variabile H	0	0	-0.858	0	287.5	0	-0.857	0
1228	Permanenti portati	0	0	-1.542	0	307.5	0	-1.54	0
1228	Variabile H	0	0	-0.857	0	307.5	0	-0.855	0
1229	Permanenti portati	0	0	-1.54	0	17.5	0	-1.54	0
1229	Variabile H	0	0	-0.855	0	17.5	0	-0.855	0
1229	Permanenti portati	17.5	0	-1.54	0	270	0	-1.531	0
1229	Variabile H	17.5	0	-0.855	0	270	0	-0.85	0
1230	Permanenti portati	0	0	-1.531	0	17.5	0	-1.53	0
1230	Variabile H	0	0	-0.85	0	17.5	0	-0.85	0
1230	Permanenti portati	17.5	0	-1.53	0	97.5	0	-1.53	0
1230	Variabile H	17.5	0	-0.85	0	97.5	0	-0.85	0
1231	Permanenti portati	0	0	-1.53	0	210	0	-1.53	0
1231	Variabile H	0	0	-0.85	0	210	0	-0.85	0
1232	Permanenti portati	0	0	-1.53	0	305	0	-1.53	0
1232	Variabile H	0	0	-0.85	0	305	0	-0.85	0
1233	Permanenti portati	0	0	-1.53	0	257.5	0	-1.53	0
1233	Variabile H	0	0	-0.85	0	257.5	0	-0.85	0
1234	Permanenti portati	0	0	-1.53	0	297	0	-1.53	0
1234	Variabile H	0	0	-0.85	0	297	0	-0.85	0
1235	Pesi strutturali	0	2.588	-7.511	0	13.3	2.588	-7.511	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
1235	Permanenti portati	0	0.872	-2.532	0	13.3	0.872	-2.532	0
1235	Variabile H	0	0.485	-1.407	0	13.3	0.485	-1.406	0
1235	Neve	0	0.543	-1.575	0	13.3	0.543	-1.575	0
1235	Pesi strutturali	13.3	3.761	-10.917	0	38.2	3.761	-10.918	0
1235	Permanenti portati	13.3	1.268	-3.68	0	38.2	1.268	-3.68	0
1235	Variabile H	13.3	0.704	-2.044	0	38.2	0.704	-2.045	0
1235	Neve	13.3	0.789	-2.29	0	38.2	0.789	-2.29	0
1236	Pesi strutturali	0	-4.631	-13.442	0	5.3	-4.608	-13.375	0
1236	Permanenti portati	0	-1.561	-4.531	0	5.3	-1.553	-4.509	0
1236	Variabile H	0	-0.867	-2.517	0	5.3	-0.863	-2.505	0
1236	Neve	0	-0.971	-2.819	0	5.3	-0.966	-2.805	0
1236	Pesi strutturali	5.3	-3.712	-10.775	0	540.8	-1.385	-4.02	0
1236	Permanenti portati	5.3	-1.251	-3.632	0	540.8	-0.467	-1.355	0
1236	Variabile H	5.3	-0.695	-2.018	0	540.8	-0.259	-0.753	0
1236	Neve	5.3	-0.779	-2.26	0	540.8	-0.29	-0.843	0
1236	Pesi strutturali	540.8	-1.385	-4.02	0	548.1	-1.348	-3.914	0
1236	Permanenti portati	540.8	-0.467	-1.355	0	548.1	-0.455	-1.319	0
1236	Variabile H	540.8	-0.259	-0.753	0	548.1	-0.253	-0.733	0
1236	Neve	540.8	-0.29	-0.843	0	548.1	-0.283	-0.821	0
1236	Pesi strutturali	548.1	-1.348	-3.914	0	550	-1.348	-3.914	0
1236	Permanenti portati	548.1	-0.455	-1.319	0	550	-0.454	-1.319	0
1236	Variabile H	548.1	-0.253	-0.733	0	550	-0.252	-0.733	0
1236	Neve	548.1	-0.283	-0.821	0	550	-0.283	-0.821	0
1236	Pesi strutturali	550	-3.86	-11.203	0	551.6	-3.849	-11.173	0
1236	Permanenti portati	550	-1.301	-3.776	0	551.6	-1.298	-3.766	0
1236	Variabile H	550	-0.723	-2.098	0	551.6	-0.721	-2.092	0
1236	Neve	550	-0.81	-2.35	0	551.6	-0.807	-2.343	0
1236	Pesi strutturali	551.6	-3.849	-11.173	0	553	-3.85	-11.174	0
1236	Permanenti portati	551.6	-1.298	-3.766	0	553	-1.298	-3.766	0
1236	Variabile H	551.6	-0.721	-2.092	0	553	-0.721	-2.092	0
1236	Neve	551.6	-0.807	-2.343	0	553	-0.807	-2.344	0
1237	Pesi strutturali	0	1.397	-4.077	0	1.8	1.413	-4.122	0
1237	Permanenti portati	0	0.471	-1.374	0	1.8	0.476	-1.389	0
1237	Variabile H	0	0.262	-0.763	0	1.8	0.265	-0.772	0
1237	Neve	0	0.293	-0.855	0	1.8	0.296	-0.865	0
1237	Pesi strutturali	1.8	1.32	-3.852	0	6.2	1.342	-3.916	0
1237	Permanenti portati	1.8	0.445	-1.298	0	6.2	0.452	-1.32	0
1237	Variabile H	1.8	0.247	-0.721	0	6.2	0.251	-0.733	0
1237	Neve	1.8	0.277	-0.808	0	6.2	0.281	-0.821	0
1237	Pesi strutturali	6.2	1.342	-3.916	0	23.2	1.415	-4.128	0
1237	Permanenti portati	6.2	0.452	-1.32	0	23.2	0.477	-1.391	0
1237	Variabile H	6.2	0.251	-0.733	0	23.2	0.265	-0.773	0
1237	Neve	6.2	0.281	-0.821	0	23.2	0.297	-0.866	0
1237	Pesi strutturali	23.2	1.415	-4.128	0	554.6	3.721	-10.857	0
1237	Permanenti portati	23.2	0.477	-1.391	0	554.6	1.254	-3.66	0
1237	Variabile H	23.2	0.265	-0.773	0	554.6	0.697	-2.033	0
1237	Neve	23.2	0.297	-0.866	0	554.6	0.78	-2.277	0
1238	Pesi strutturali	0	-2.219	-6.441	0	15.9	-2.219	-6.442	0
1238	Permanenti portati	0	-0.748	-2.171	0	15.9	-0.748	-2.171	0
1238	Variabile H	0	-0.416	-1.206	0	15.9	-0.416	-1.206	0
1238	Neve	0	-0.465	-1.351	0	15.9	-0.465	-1.351	0
1238	Pesi strutturali	15.9	-2.657	-7.712	0	544.7	-2.673	-7.757	0
1238	Permanenti portati	15.9	-0.896	-2.6	0	544.7	-0.901	-2.615	0
1238	Variabile H	15.9	-0.498	-1.444	0	544.7	-0.5	-1.453	0
1238	Neve	15.9	-0.557	-1.617	0	544.7	-0.561	-1.627	0
1239	Pesi strutturali	1.6	4.038	-11.811	0	2.8	4.049	-11.841	0
1239	Permanenti portati	1.6	1.361	-3.981	0	2.8	1.365	-3.991	0
1239	Variabile H	1.6	0.756	-2.212	0	2.8	0.758	-2.217	0
1239	Neve	1.6	0.847	-2.477	0	2.8	0.849	-2.484	0
1239	Pesi strutturali	2.8	2.654	-7.763	0	557.5	2.654	-7.763	0
1239	Permanenti portati	2.8	0.895	-2.617	0	557.5	0.895	-2.617	0
1239	Variabile H	2.8	0.497	-1.454	0	557.5	0.497	-1.454	0
1239	Neve	2.8	0.557	-1.628	0	557.5	0.557	-1.628	0
1240	Pesi strutturali	0	-1.611	-4.676	0	21.2	-1.611	-4.676	0
1240	Permanenti portati	0	-0.543	-1.576	0	21.2	-0.543	-1.576	0
1240	Variabile H	0	-0.302	-0.876	0	21.2	-0.302	-0.876	0
1240	Neve	0	-0.338	-0.981	0	21.2	-0.338	-0.981	0
1240	Pesi strutturali	21.2	-2.507	-7.277	0	549.3	-2.511	-7.289	0
1240	Permanenti portati	21.2	-0.845	-2.453	0	549.3	-0.846	-2.457	0
1240	Variabile H	21.2	-0.469	-1.363	0	549.3	-0.47	-1.365	0
1240	Neve	21.2	-0.526	-1.526	0	549.3	-0.527	-1.529	0
1241	Pesi strutturali	2.1	2.488	-7.297	0	558	2.488	-7.297	0
1241	Permanenti portati	2.1	0.839	-2.46	0	558	0.839	-2.46	0
1241	Variabile H	2.1	0.466	-1.367	0	558	0.466	-1.367	0
1241	Neve	2.1	0.522	-1.53	0	558	0.522	-1.53	0
1242	Pesi strutturali	8	-2.511	-7.288	0	13.3	-2.511	-7.288	0
1242	Permanenti portati	8	-0.846	-2.457	0	13.3	-0.846	-2.457	0
1242	Variabile H	8	-0.47	-1.365	0	13.3	-0.47	-1.365	0
1242	Neve	8	-0.527	-1.529	0	13.3	-0.527	-1.529	0
1242	Pesi strutturali	13.3	-2.519	-7.312	0	558	-2.528	-7.338	0
1242	Permanenti portati	13.3	-0.849	-2.465	0	558	-0.852	-2.473	0
1242	Variabile H	13.3	-0.472	-1.369	0	558	-0.473	-1.374	0
1242	Neve	13.3	-0.528	-1.534	0	558	-0.53	-1.539	0
1242	Pesi strutturali	558	-5.2	-15.095	0	559.7	-4.608	-13.375	0
1242	Permanenti portati	558	-1.753	-5.088	0	559.7	-1.553	-4.508	0
1242	Variabile H	558	-0.974	-2.827	0	559.7	-0.863	-2.505	0
1242	Neve	558	-1.091	-3.166	0	559.7	-0.966	-2.805	0
1242	Pesi strutturali	559.7	-5.201	-15.095	0	560.4	-5.064	-14.698	0
1242	Permanenti portati	559.7	-1.753	-5.088	0	560.4	-1.707	-4.954	0
1242	Variabile H	559.7	-0.974	-2.827	0	560.4	-0.948	-2.752	0
1242	Neve	559.7	-1.091	-3.166	0	560.4	-1.062	-3.083	0
1243	Pesi strutturali	0.5	3.74	-10.913	0	2.3	3.74	-10.913	0
1243	Permanenti portati	0.5	1.261	-3.679	0	2.3	1.261	-3.679	0
1243	Variabile H	0.5	0.7	-2.044	0	2.3	0.7	-2.044	0
1243	Neve	0.5	0.784	-2.289	0	2.3	0.784	-2.289	0
1243	Pesi strutturali	2.3	2.516	-7.341	0	555.2	2.498	-7.289	0
1243	Permanenti portati	2.3	0.848	-2.475	0	555.2	0.842	-2.457	0
1243	Variabile H	2.3	0.471	-1.375	0	555.2	0.468	-1.365	0
1243	Neve	2.3	0.528	-1.54	0	555.2	0.524	-1.529	0
1244	Pesi strutturali	0	-2.588	-7.511	0	544.8	-2.593	-7.525	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
1244	Permanenti portati	0	-0.872	-2.532	0	544.8	-0.874	-2.537	0
1244	Variabile H	0	-0.485	-1.407	0	544.8	-0.485	-1.409	0
1244	Neve	0	-0.543	-1.575	0	544.8	-0.544	-1.578	0
1244	Pesi strutturali	544.8	-2.593	-7.525	0	546.4	-0.77	-2.236	0
1244	Permanenti portati	544.8	-0.874	-2.537	0	546.4	-0.26	-0.754	0
1244	Variabile H	544.8	-0.485	-1.409	0	546.4	-0.144	-0.419	0
1244	Neve	544.8	-0.544	-1.578	0	546.4	-0.162	-0.469	0
1244	Pesi strutturali	546.4	-3.39	-9.839	0	547.7	-1.13	-3.28	0
1244	Permanenti portati	546.4	-1.143	-3.317	0	547.7	-0.381	-1.106	0
1244	Variabile H	546.4	-0.635	-1.843	0	547.7	-0.212	-0.614	0
1244	Neve	546.4	-0.711	-2.064	0	547.7	-0.237	-0.688	0
1245	Pesi strutturali	0	2.58	-7.529	0	552.9	2.575	-7.514	0
1245	Permanenti portati	0	0.87	-2.538	0	552.9	0.868	-2.533	0
1245	Variabile H	0	0.483	-1.41	0	552.9	0.482	-1.407	0
1245	Neve	0	0.541	-1.579	0	552.9	0.54	-1.576	0
1246	Pesi strutturali	0	-2.424	-7.036	0	13.3	-2.424	-7.035	0
1246	Permanenti portati	0	-0.817	-2.372	0	13.3	-0.817	-2.371	0
1246	Variabile H	0	-0.454	-1.318	0	13.3	-0.454	-1.317	0
1246	Neve	0	-0.508	-1.476	0	13.3	-0.508	-1.476	0
1246	Pesi strutturali	13.3	-2.416	-7.011	0	556.1	-2.391	-6.941	0
1246	Permanenti portati	13.3	-0.814	-2.363	0	556.1	-0.806	-2.34	0
1246	Variabile H	13.3	-0.452	-1.313	0	556.1	-0.448	-1.3	0
1246	Neve	13.3	-0.507	-1.471	0	556.1	-0.502	-1.456	0
1246	Pesi strutturali	556.1	-5.882	-17.074	0	558	-3.973	-11.531	0
1246	Permanenti portati	556.1	-1.983	-5.755	0	558	-1.339	-3.887	0
1246	Variabile H	556.1	-1.102	-3.197	0	558	-0.744	-2.159	0
1246	Neve	556.1	-1.234	-3.581	0	558	-0.833	-2.418	0
1246	Pesi strutturali	558	-3.973	-11.531	0	558.7	-3.659	-10.619	0
1246	Permanenti portati	558	-1.339	-3.887	0	558.7	-1.233	-3.58	0
1246	Variabile H	558	-0.744	-2.159	0	558.7	-0.685	-1.989	0
1246	Neve	558	-0.833	-2.418	0	558.7	-0.767	-2.227	0
1247	Pesi strutturali	1	3.734	-10.904	0	4	3.734	-10.904	0
1247	Permanenti portati	1	1.259	-3.675	0	4	1.259	-3.675	0
1247	Variabile H	1	0.699	-2.042	0	4	0.699	-2.042	0
1247	Neve	1	0.783	-2.287	0	4	0.783	-2.287	0
1247	Pesi strutturali	4	2.379	-6.946	0	556.9	2.396	-6.998	0
1247	Permanenti portati	4	0.802	-2.341	0	556.9	0.808	-2.359	0
1247	Variabile H	4	0.445	-1.301	0	556.9	0.449	-1.31	0
1247	Neve	4	0.499	-1.457	0	556.9	0.503	-1.468	0
1248	Pesi strutturali	2	-7.686	-22.31	0	26.8	-7.688	-22.314	0
1248	Permanenti portati	2	-2.591	-7.52	0	26.8	-2.591	-7.522	0
1248	Variabile H	2	-1.439	-4.178	0	26.8	-1.44	-4.179	0
1248	Neve	2	-1.612	-4.679	0	26.8	-1.612	-4.68	0
1248	Pesi strutturali	26.8	-2.426	-7.042	0	31.6	-2.426	-7.041	0
1248	Permanenti portati	26.8	-0.818	-2.374	0	31.6	-0.818	-2.373	0
1248	Variabile H	26.8	-0.454	-1.319	0	31.6	-0.454	-1.319	0
1248	Neve	26.8	-0.509	-1.477	0	31.6	-0.509	-1.477	0
1249	Pesi strutturali	0	-2.426	-7.041	0	551.3	-2.391	-6.941	0
1249	Permanenti portati	0	-0.818	-2.373	0	551.3	-0.806	-2.34	0
1249	Variabile H	0	-0.454	-1.319	0	551.3	-0.448	-1.3	0
1249	Neve	0	-0.509	-1.477	0	551.3	-0.502	-1.456	0
1250	Pesi strutturali	3.6	3.707	-10.816	0	4.9	3.707	-10.816	0
1250	Permanenti portati	3.6	1.249	-3.646	0	4.9	1.249	-3.646	0
1250	Variabile H	3.6	0.694	-2.026	0	4.9	0.694	-2.026	0
1250	Neve	3.6	0.777	-2.269	0	4.9	0.777	-2.269	0
1250	Pesi strutturali	4.9	2.38	-6.945	0	559.5	2.391	-6.977	0
1250	Permanenti portati	4.9	0.802	-2.341	0	559.5	0.806	-2.352	0
1250	Variabile H	4.9	0.446	-1.301	0	559.5	0.448	-1.307	0
1250	Neve	4.9	0.499	-1.457	0	559.5	0.502	-1.463	0
1251	Pesi strutturali	0	-4.011	-11.642	0	8	-4.011	-11.645	0
1251	Permanenti portati	0	-1.352	-3.924	0	8	-1.352	-3.925	0
1251	Variabile H	0	-0.751	-2.18	0	8	-0.751	-2.181	0
1251	Neve	0	-0.841	-2.442	0	8	-0.841	-2.442	0
1251	Pesi strutturali	8	-2.549	-7.399	0	556.1	-2.562	-7.438	0
1251	Permanenti portati	8	-0.859	-2.494	0	556.1	-0.864	-2.507	0
1251	Variabile H	8	-0.477	-1.386	0	556.1	-0.48	-1.393	0
1251	Neve	8	-0.535	-1.552	0	556.1	-0.537	-1.56	0
1252	Pesi strutturali	0.1	2.551	-7.443	0	259.5	2.539	-7.409	0
1252	Permanenti portati	0.1	0.86	-2.509	0	259.5	0.856	-2.497	0
1252	Variabile H	0.1	0.478	-1.394	0	259.5	0.475	-1.387	0
1252	Neve	0.1	0.535	-1.561	0	259.5	0.533	-1.554	0
1252	Pesi strutturali	259.5	2.532	-7.389	0	271	2.483	-7.247	0
1252	Permanenti portati	259.5	0.854	-2.491	0	271	0.837	-2.443	0
1252	Variabile H	259.5	0.474	-1.384	0	271	0.465	-1.357	0
1252	Neve	259.5	0.531	-1.55	0	271	0.521	-1.52	0
1252	Pesi strutturali	271	2.483	-7.247	0	525.7	1.379	-4.023	0
1252	Permanenti portati	271	0.837	-2.443	0	525.7	0.465	-1.356	0
1252	Variabile H	271	0.465	-1.357	0	525.7	0.258	-0.753	0
1252	Neve	271	0.521	-1.52	0	525.7	0.289	-0.844	0
1252	Pesi strutturali	525.7	1.398	-4.079	0	546.8	1.308	-3.816	0
1252	Permanenti portati	525.7	0.471	-1.375	0	546.8	0.441	-1.286	0
1252	Variabile H	525.7	0.262	-0.764	0	546.8	0.245	-0.715	0
1252	Neve	525.7	0.293	-0.856	0	546.8	0.274	-0.8	0
1252	Pesi strutturali	546.8	1.308	-3.816	0	548.5	1.305	-3.807	0
1252	Permanenti portati	546.8	0.441	-1.286	0	548.5	0.44	-1.283	0
1252	Variabile H	546.8	0.245	-0.715	0	548.5	0.244	-0.713	0
1252	Neve	546.8	0.274	-0.8	0	548.5	0.274	-0.799	0
1252	Pesi strutturali	548.5	1.305	-3.807	0	554.7	1.251	-3.65	0
1252	Permanenti portati	548.5	0.44	-1.283	0	554.7	0.422	-1.23	0
1252	Variabile H	548.5	0.244	-0.713	0	554.7	0.234	-0.683	0
1252	Neve	548.5	0.274	-0.799	0	554.7	0.262	-0.765	0
1253	Pesi strutturali	1.3	-2.348	-9.909	0	2.5	-2.348	-9.906	0
1253	Permanenti portati	1.3	-0.792	-3.34	0	2.5	-0.791	-3.339	0
1253	Variabile H	1.3	-0.44	-1.856	0	2.5	-0.44	-1.855	0
1253	Neve	1.3	-0.493	-2.078	0	2.5	-0.492	-2.078	0
1253	Pesi strutturali	2.5	-2.341	-9.877	0	10	-2.332	-9.838	0
1253	Permanenti portati	2.5	-0.789	-3.329	0	10	-0.786	-3.316	0
1253	Variabile H	2.5	-0.438	-1.85	0	10	-0.437	-1.842	0
1253	Neve	2.5	-0.491	-2.072	0	10	-0.489	-2.063	0
1253	Pesi strutturali	10	-1.219	-5.144	0	773.9	-0.077	-0.324	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
1253	Permanenti portati	10	-0.411	-1.734	0	773.9	-0.026	-0.109	0
1253	Variabile H	10	-0.228	-0.963	0	773.9	-0.014	-0.061	0
1253	Neve	10	-0.256	-1.079	0	773.9	-0.016	-0.068	0
1253	Pesi strutturali	773.9	-0.077	-0.324	0	784.1	-0.064	-0.27	0
1253	Permanenti portati	773.9	-0.026	-0.109	0	784.1	-0.022	-0.091	0
1253	Variabile H	773.9	-0.014	-0.061	0	784.1	-0.012	-0.051	0
1253	Neve	773.9	-0.016	-0.068	0	784.1	-0.013	-0.057	0
1253	Pesi strutturali	784.1	-0.064	-0.27	0	786.8	-0.054	-0.229	0
1253	Permanenti portati	784.1	-0.022	-0.091	0	786.8	-0.018	-0.077	0
1253	Variabile H	784.1	-0.012	-0.051	0	786.8	-0.01	-0.043	0
1253	Neve	784.1	-0.013	-0.057	0	786.8	-0.011	-0.048	0
1253	Pesi strutturali	786.8	-0.054	-0.229	0	789.2	-0.054	-0.227	0
1253	Permanenti portati	786.8	-0.018	-0.077	0	789.2	-0.018	-0.077	0
1253	Variabile H	786.8	-0.01	-0.043	0	789.2	-0.01	-0.043	0
1253	Neve	786.8	-0.011	-0.048	0	789.2	-0.011	-0.048	0
1253	Pesi strutturali	789.2	-0.054	-0.227	0	790.2	-0.051	-0.215	0
1253	Permanenti portati	789.2	-0.018	-0.077	0	790.2	-0.017	-0.072	0
1253	Variabile H	789.2	-0.01	-0.043	0	790.2	-0.01	-0.04	0
1253	Neve	789.2	-0.011	-0.048	0	790.2	-0.011	-0.045	0
1253	Pesi strutturali	0.6	-2.422	-10.218	0	780.3	-0.062	-0.262	0
1253	Permanenti portati	0.6	-0.816	-3.444	0	780.3	-0.021	-0.088	0
1253	Variabile H	0.6	-0.453	-1.913	0	780.3	-0.012	-0.049	0
1253	Neve	0.6	-0.508	-2.143	0	780.3	-0.013	-0.055	0
1253	Pesi strutturali	780.3	-0.062	-0.262	0	790.2	-0.02	-0.083	0
1253	Permanenti portati	780.3	-0.021	-0.088	0	790.2	-0.007	-0.028	0
1253	Variabile H	780.3	-0.012	-0.049	0	790.2	-0.004	-0.016	0
1253	Neve	780.3	-0.013	-0.055	0	790.2	-0.004	-0.017	0
1254	Pesi strutturali	3.6	0	0	0	14.6	0.021	-0.083	0
1254	Permanenti portati	3.6	0	0	0	14.6	0.007	-0.028	0
1254	Variabile H	3.6	0	0	0	14.6	0.004	-0.015	0
1254	Neve	3.6	0	0	0	14.6	0.004	-0.017	0
1254	Pesi strutturali	14.6	0.021	-0.083	0	785.4	2.524	-10.035	0
1254	Permanenti portati	14.6	0.007	-0.028	0	785.4	0.851	-3.383	0
1254	Variabile H	14.6	0.004	-0.015	0	785.4	0.473	-1.879	0
1254	Neve	14.6	0.004	-0.017	0	785.4	0.529	-2.105	0
1254	Pesi strutturali	785.4	2.524	-10.035	0	792.9	2.549	-10.135	0
1254	Permanenti portati	785.4	0.851	-3.383	0	792.9	0.859	-3.416	0
1254	Variabile H	785.4	0.473	-1.879	0	792.9	0.477	-1.898	0
1254	Neve	785.4	0.529	-2.105	0	792.9	0.535	-2.126	0
1254	Pesi strutturali	3.7	0.049	-0.195	0	5.9	0.053	-0.211	0
1254	Permanenti portati	3.7	0.017	-0.066	0	5.9	0.018	-0.071	0
1254	Variabile H	3.7	0.009	-0.037	0	5.9	0.01	-0.039	0
1254	Neve	3.7	0.01	-0.041	0	5.9	0.011	-0.044	0
1254	Pesi strutturali	5.9	0.053	-0.211	0	9.1	0.057	-0.228	0
1254	Permanenti portati	5.9	0.018	-0.071	0	9.1	0.019	-0.077	0
1254	Variabile H	5.9	0.01	-0.039	0	9.1	0.011	-0.043	0
1254	Neve	5.9	0.011	-0.044	0	9.1	0.012	-0.048	0
1254	Pesi strutturali	9.1	0.057	-0.228	0	54.4	0.129	-0.513	0
1254	Permanenti portati	9.1	0.019	-0.077	0	54.4	0.044	-0.173	0
1254	Variabile H	9.1	0.011	-0.043	0	54.4	0.024	-0.096	0
1254	Neve	9.1	0.012	-0.048	0	54.4	0.027	-0.108	0
1254	Pesi strutturali	54.4	0.129	-0.513	0	384	0.646	-2.57	0
1254	Permanenti portati	54.4	0.044	-0.173	0	384	0.218	-0.866	0
1254	Variabile H	54.4	0.024	-0.096	0	384	0.121	-0.481	0
1254	Neve	54.4	0.027	-0.108	0	384	0.136	-0.539	0
1254	Pesi strutturali	384	0.646	-2.57	0	747.9	1.214	-4.825	0
1254	Permanenti portati	384	0.218	-0.866	0	747.9	0.409	-1.626	0
1254	Variabile H	384	0.121	-0.481	0	747.9	0.227	-0.904	0
1254	Neve	384	0.136	-0.539	0	747.9	0.255	-1.012	0
1254	Pesi strutturali	747.9	1.214	-4.825	0	785.9	1.275	-5.071	0
1254	Permanenti portati	747.9	0.409	-1.626	0	785.9	0.43	-1.709	0
1254	Variabile H	747.9	0.227	-0.904	0	785.9	0.239	-0.95	0
1254	Neve	747.9	0.255	-1.012	0	785.9	0.267	-1.064	0
1254	Pesi strutturali	785.9	5.966	-23.721	0	792.9	5.966	-23.722	0
1254	Permanenti portati	785.9	2.011	-7.996	0	792.9	2.011	-7.996	0
1254	Variabile H	785.9	1.117	-4.442	0	792.9	1.117	-4.442	0
1254	Neve	785.9	1.251	-4.975	0	792.9	1.251	-4.975	0
1255	Pesi strutturali	0	-5.174	-18.245	0	2.2	-5.15	-18.158	0
1255	Permanenti portati	0	-1.744	-6.15	0	2.2	-1.736	-6.121	0
1255	Variabile H	0	-0.969	-3.417	0	2.2	-0.964	-3.4	0
1255	Neve	0	-1.085	-3.827	0	2.2	-1.08	-3.808	0
1255	Pesi strutturali	2.2	-2.555	-9.011	0	653.2	-0.014	-0.048	0
1255	Permanenti portati	2.2	-0.861	-3.037	0	653.2	-0.005	-0.016	0
1255	Variabile H	2.2	-0.479	-1.687	0	653.2	-0.003	-0.009	0
1255	Neve	2.2	-0.536	-1.89	0	653.2	-0.003	-0.01	0
1255	Pesi strutturali	653.2	-0.014	-0.048	0	656.1	0	0	0
1255	Permanenti portati	653.2	-0.005	-0.016	0	656.1	0	0	0
1255	Variabile H	653.2	-0.003	-0.009	0	656.1	0	0	0
1255	Neve	653.2	-0.003	-0.01	0	656.1	0	0	0
1255	Pesi strutturali	0	-0.178	-0.626	0	11.2	-0.396	-1.397	0
1255	Permanenti portati	0	-0.06	-0.211	0	11.2	-0.134	-0.471	0
1255	Variabile H	0	-0.033	-0.117	0	11.2	-0.074	-0.262	0
1255	Neve	0	-0.037	-0.131	0	11.2	-0.083	-0.293	0
1255	Pesi strutturali	11.2	-0.396	-1.397	0	14	-0.422	-1.487	0
1255	Permanenti portati	11.2	-0.134	-0.471	0	14	-0.142	-0.501	0
1255	Variabile H	11.2	-0.074	-0.262	0	14	-0.079	-0.279	0
1255	Neve	11.2	-0.083	-0.293	0	14	-0.088	-0.312	0
1255	Pesi strutturali	14	-0.451	-1.59	0	16.8	-0.506	-1.783	0
1255	Permanenti portati	14	-0.152	-0.536	0	16.8	-0.17	-0.601	0
1255	Variabile H	14	-0.084	-0.298	0	16.8	-0.095	-0.334	0
1255	Neve	14	-0.095	-0.334	0	16.8	-0.106	-0.374	0
1255	Pesi strutturali	16.8	-0.506	-1.783	0	50.5	-1.461	-5.152	0
1255	Permanenti portati	16.8	-0.17	-0.601	0	50.5	-0.493	-1.737	0
1255	Variabile H	16.8	-0.095	-0.334	0	50.5	-0.274	-0.965	0
1255	Neve	16.8	-0.106	-0.374	0	50.5	-0.306	-1.081	0
1255	Pesi strutturali	50.5	-1.167	-4.115	0	71.1	-1.57	-5.535	0
1255	Permanenti portati	50.5	-0.393	-1.387	0	71.1	-0.529	-1.866	0
1255	Variabile H	50.5	-0.219	-0.771	0	71.1	-0.294	-1.037	0
1255	Neve	50.5	-0.245	-0.863	0	71.1	-0.329	-1.161	0
1255	Pesi strutturali	71.1	-3.101	-10.934	0	79.3	-3.058	-10.784	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
1255	Permanenti portati	71.1	-1.045	-3.685	0	79.3	-1.031	-3.635	0
1255	Variabile H	71.1	-0.581	-2.047	0	79.3	-0.573	-2.019	0
1255	Neve	71.1	-0.65	-2.293	0	79.3	-0.641	-2.262	0
1255	Pesi strutturali	79.3	-1.537	-5.421	0	661.5	-0.048	-0.17	0
1255	Permanenti portati	79.3	-0.518	-1.827	0	661.5	-0.016	-0.057	0
1255	Variabile H	79.3	-0.288	-1.015	0	661.5	-0.009	-0.032	0
1255	Neve	79.3	-0.322	-1.137	0	661.5	-0.01	-0.036	0
1255	Pesi strutturali	661.5	-0.048	-0.17	0	668	-0.026	-0.091	0
1255	Permanenti portati	661.5	-0.016	-0.057	0	668	-0.009	-0.031	0
1255	Variabile H	661.5	-0.009	-0.032	0	668	-0.005	-0.017	0
1255	Neve	661.5	-0.01	-0.036	0	668	-0.005	-0.019	0
1255	Pesi strutturali	668	-0.026	-0.091	0	669.5	-0.018	-0.064	0
1255	Permanenti portati	668	-0.009	-0.031	0	669.5	-0.006	-0.022	0
1255	Variabile H	668	-0.005	-0.017	0	669.5	-0.003	-0.012	0
1255	Neve	668	-0.005	-0.019	0	669.5	-0.004	-0.013	0
1256	Pesi strutturali	2.3	0	0	0	10	0.015	-0.056	0
1256	Permanenti portati	2.3	0	0	0	10	0.005	-0.019	0
1256	Variabile H	2.3	0	0	0	10	0.003	-0.011	0
1256	Neve	2.3	0	0	0	10	0.003	-0.012	0
1256	Pesi strutturali	10	0.015	-0.056	0	258.4	0.453	-1.672	0
1256	Permanenti portati	10	0.005	-0.019	0	258.4	0.153	-0.563	0
1256	Variabile H	10	0.003	-0.011	0	258.4	0.085	-0.313	0
1256	Neve	10	0.003	-0.012	0	258.4	0.095	-0.351	0
1256	Pesi strutturali	258.4	0.453	-1.672	0	696.8	1.235	-4.56	0
1256	Permanenti portati	258.4	0.153	-0.563	0	696.8	0.416	-1.537	0
1256	Variabile H	258.4	0.085	-0.313	0	696.8	0.231	-0.854	0
1256	Neve	258.4	0.095	-0.351	0	696.8	0.259	-0.956	0
1256	Pesi strutturali	2.9	0	0	0	4.2	1.961	-7.241	0
1256	Permanenti portati	2.9	0	0	0	4.2	0.661	-2.441	0
1256	Variabile H	2.9	0	0	0	4.2	0.367	-1.356	0
1256	Neve	2.9	0	0	0	4.2	0.411	-1.519	0
1256	Pesi strutturali	4.2	0.039	-0.145	0	15.8	0.055	-0.204	0
1256	Permanenti portati	4.2	0.013	-0.049	0	15.8	0.019	-0.069	0
1256	Variabile H	4.2	0.007	-0.027	0	15.8	0.01	-0.038	0
1256	Neve	4.2	0.008	-0.03	0	15.8	0.012	-0.043	0
1256	Pesi strutturali	15.8	0.055	-0.204	0	18.9	0.064	-0.237	0
1256	Permanenti portati	15.8	0.019	-0.069	0	18.9	0.022	-0.08	0
1256	Variabile H	15.8	0.01	-0.038	0	18.9	0.012	-0.044	0
1256	Neve	15.8	0.012	-0.043	0	18.9	0.013	-0.05	0
1256	Pesi strutturali	18.9	0.064	-0.237	0	20.1	0.061	-0.225	0
1256	Permanenti portati	18.9	0.022	-0.08	0	20.1	0.021	-0.076	0
1256	Variabile H	18.9	0.012	-0.044	0	20.1	0.011	-0.042	0
1256	Neve	18.9	0.013	-0.05	0	20.1	0.013	-0.047	0
1256	Pesi strutturali	20.1	0.061	-0.225	0	25.7	0.069	-0.253	0
1256	Permanenti portati	20.1	0.021	-0.076	0	25.7	0.023	-0.085	0
1256	Variabile H	20.1	0.011	-0.042	0	25.7	0.013	-0.047	0
1256	Neve	20.1	0.013	-0.047	0	25.7	0.014	-0.053	0
1256	Pesi strutturali	25.7	0.069	-0.253	0	59.5	0.12	-0.444	0
1256	Permanenti portati	25.7	0.023	-0.085	0	59.5	0.041	-0.15	0
1256	Variabile H	25.7	0.013	-0.047	0	59.5	0.023	-0.083	0
1256	Neve	25.7	0.014	-0.053	0	59.5	0.025	-0.093	0
1256	Pesi strutturali	59.5	0.12	-0.444	0	307.5	0.451	-1.666	0
1256	Permanenti portati	59.5	0.041	-0.15	0	307.5	0.152	-0.562	0
1256	Variabile H	59.5	0.023	-0.083	0	307.5	0.085	-0.312	0
1256	Neve	59.5	0.025	-0.093	0	307.5	0.095	-0.349	0
1256	Pesi strutturali	307.5	0.451	-1.666	0	511.6	0.729	-2.69	0
1256	Permanenti portati	307.5	0.152	-0.562	0	511.6	0.246	-0.907	0
1256	Variabile H	307.5	0.085	-0.312	0	511.6	0.136	-0.504	0
1256	Neve	307.5	0.095	-0.349	0	511.6	0.153	-0.564	0
1256	Pesi strutturali	511.6	0.729	-2.69	0	696.8	0.986	-3.641	0
1256	Permanenti portati	511.6	0.246	-0.907	0	696.8	0.332	-1.227	0
1256	Variabile H	511.6	0.136	-0.504	0	696.8	0.185	-0.682	0
1256	Neve	511.6	0.153	-0.564	0	696.8	0.207	-0.764	0
1257	Pesi strutturali	0	-1.783	-7.785	0	19.4	-1.739	-7.595	0
1257	Permanenti portati	0	-0.601	-2.624	0	19.4	-0.586	-2.56	0
1257	Variabile H	0	-0.334	-1.458	0	19.4	-0.326	-1.422	0
1257	Neve	0	-0.374	-1.633	0	19.4	-0.365	-1.593	0
1257	Pesi strutturali	19.4	-1.739	-7.595	0	26.7	-1.728	-7.545	0
1257	Permanenti portati	19.4	-0.586	-2.56	0	26.7	-0.582	-2.543	0
1257	Variabile H	19.4	-0.326	-1.422	0	26.7	-0.324	-1.413	0
1257	Neve	19.4	-0.365	-1.593	0	26.7	-0.362	-1.582	0
1257	Pesi strutturali	26.7	-1.728	-7.545	0	775	-0.097	-0.424	0
1257	Permanenti portati	26.7	-0.582	-2.543	0	775	-0.033	-0.143	0
1257	Variabile H	26.7	-0.324	-1.413	0	775	-0.018	-0.079	0
1257	Neve	26.7	-0.362	-1.582	0	775	-0.02	-0.089	0
1257	Pesi strutturali	775	-0.097	-0.424	0	778.5	-0.091	-0.399	0
1257	Permanenti portati	775	-0.033	-0.143	0	778.5	-0.031	-0.134	0
1257	Variabile H	775	-0.018	-0.079	0	778.5	-0.017	-0.075	0
1257	Neve	775	-0.02	-0.089	0	778.5	-0.019	-0.084	0
1257	Pesi strutturali	778.5	-0.091	-0.399	0	786.1	-0.058	-0.252	0
1257	Permanenti portati	778.5	-0.031	-0.134	0	786.1	-0.019	-0.085	0
1257	Variabile H	778.5	-0.017	-0.075	0	786.1	-0.011	-0.047	0
1257	Neve	778.5	-0.019	-0.084	0	786.1	-0.012	-0.053	0
1257	Pesi strutturali	786.1	-0.052	-0.228	0	790.9	-0.04	-0.173	0
1257	Permanenti portati	786.1	-0.018	-0.077	0	790.9	-0.013	-0.058	0
1257	Variabile H	786.1	-0.01	-0.043	0	790.9	-0.007	-0.032	0
1257	Neve	786.1	-0.011	-0.048	0	790.9	-0.008	-0.036	0
1257	Pesi strutturali	790.9	-0.04	-0.173	0	793.1	-0.028	-0.123	0
1257	Permanenti portati	790.9	-0.013	-0.058	0	793.1	-0.009	-0.041	0
1257	Variabile H	790.9	-0.007	-0.032	0	793.1	-0.005	-0.023	0
1257	Neve	790.9	-0.008	-0.036	0	793.1	-0.006	-0.026	0
1258	Pesi strutturali	6.2	2.584	-7.453	-0.003	19.7	2.584	-7.453	-0.003
1258	Permanenti portati	6.2	0.871	-2.512	-0.001	19.7	0.871	-2.512	-0.001
1258	Variabile H	6.2	0.484	-1.396	-0.001	19.7	0.484	-1.396	-0.001
1258	Neve	6.2	0.542	-1.563	-0.001	19.7	0.542	-1.563	-0.001
1258	Pesi strutturali	19.7	2.609	-7.525	-0.003	21.6	0.069	-0.2	0
1258	Permanenti portati	19.7	0.879	-2.536	-0.001	21.6	0.023	-0.068	0
1258	Variabile H	19.7	0.489	-1.409	-0.001	21.6	0.013	-0.038	0
1258	Neve	19.7	0.547	-1.578	-0.001	21.6	0.015	-0.042	0
1258	Pesi strutturali	21.6	2.584	-7.453	-0.003	27	2.584	-7.453	-0.003

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
1258	Permanenti portati	21.6	0.871	-2.512	-0.001	27	0.871	-2.512	-0.001
1258	Variabile H	21.6	0.484	-1.396	-0.001	27	0.484	-1.396	-0.001
1258	Neve	21.6	0.542	-1.563	-0.001	27	0.542	-1.563	-0.001
1258	Pesi strutturali	27	2.584	-7.453	-0.003	30.6	2.592	-7.474	-0.003
1258	Permanenti portati	27	0.871	-2.512	-0.001	30.6	0.874	-2.519	-0.001
1258	Variabile H	27	0.484	-1.396	-0.001	30.6	0.485	-1.4	-0.001
1258	Neve	27	0.542	-1.563	-0.001	30.6	0.544	-1.568	-0.001
1258	Pesi strutturali	30.6	2.584	-7.453	-0.003	248.3	2.583	-7.451	-0.003
1258	Permanenti portati	30.6	0.871	-2.512	-0.001	248.3	0.871	-2.511	-0.001
1258	Variabile H	30.6	0.484	-1.396	-0.001	248.3	0.484	-1.395	-0.001
1258	Neve	30.6	0.542	-1.563	-0.001	248.3	0.542	-1.563	-0.001
1258	Pesi strutturali	248.3	2.579	-7.438	-0.003	277.1	2.443	-7.044	-0.003
1258	Permanenti portati	248.3	0.869	-2.507	-0.001	277.1	0.823	-2.375	-0.001
1258	Variabile H	248.3	0.483	-1.393	-0.001	277.1	0.457	-1.319	-0.001
1258	Neve	248.3	0.541	-1.56	-0.001	277.1	0.512	-1.477	-0.001
1258	Pesi strutturali	277.1	2.443	-7.044	-0.003	487.7	1.422	-4.101	-0.002
1258	Permanenti portati	277.1	0.823	-2.375	-0.001	487.7	0.479	-1.382	-0.001
1258	Variabile H	277.1	0.457	-1.319	-0.001	487.7	0.266	-0.768	0
1258	Neve	277.1	0.512	-1.477	-0.001	487.7	0.298	-0.86	0
1258	Pesi strutturali	487.7	1.446	-4.169	-0.002	511.8	1.331	-3.84	-0.002
1258	Permanenti portati	487.7	0.487	-1.405	-0.001	511.8	0.449	-1.294	-0.001
1258	Variabile H	487.7	0.271	-0.781	0	511.8	0.249	-0.719	0
1258	Neve	487.7	0.303	-0.874	0	511.8	0.279	-0.805	0
1258	Pesi strutturali	511.8	1.324	-3.819	-0.002	515.4	1.315	-3.791	-0.002
1258	Permanenti portati	511.8	0.446	-1.287	-0.001	515.4	0.443	-1.278	-0.001
1258	Variabile H	511.8	0.248	-0.715	0	515.4	0.246	-0.71	0
1258	Neve	511.8	0.278	-0.801	0	515.4	0.276	-0.795	0
1258	Pesi strutturali	515.4	1.315	-3.791	-0.002	540.9	1.194	-3.443	-0.002
1258	Permanenti portati	515.4	0.443	-1.278	-0.001	540.9	0.402	-1.16	-0.001
1258	Variabile H	515.4	0.246	-0.71	0	540.9	0.224	-0.645	0
1258	Neve	515.4	0.276	-0.795	0	540.9	0.25	-0.722	0
1259	Pesi strutturali	0	-3.512	-11.499	0	3.5	-3.506	-11.48	0
1259	Permanenti portati	0	-1.184	-3.876	0	3.5	-1.182	-3.87	0
1259	Variabile H	0	-0.658	-2.153	0	3.5	-0.657	-2.15	0
1259	Neve	0	-0.737	-2.412	0	3.5	-0.735	-2.408	0
1259	Pesi strutturali	3.5	-2.277	-7.456	0	362.7	-1.574	-5.153	0
1259	Permanenti portati	3.5	-0.768	-2.513	0	362.7	-0.531	-1.737	0
1259	Variabile H	3.5	-0.426	-1.396	0	362.7	-0.295	-0.965	0
1259	Neve	3.5	-0.478	-1.564	0	362.7	-0.33	-1.081	0
1259	Pesi strutturali	362.7	-1.574	-5.153	0	575.3	-1.151	-3.767	0
1259	Permanenti portati	362.7	-0.531	-1.737	0	575.3	-0.388	-1.27	0
1259	Variabile H	362.7	-0.295	-0.965	0	575.3	-0.215	-0.706	0
1259	Neve	362.7	-0.33	-1.081	0	575.3	-0.241	-0.79	0
1259	Pesi strutturali	575.3	-1.151	-3.767	0	605.6	-1.099	-3.597	0
1259	Permanenti portati	575.3	-0.388	-1.27	0	605.6	-0.37	-1.213	0
1259	Variabile H	575.3	-0.215	-0.706	0	605.6	-0.206	-0.674	0
1259	Neve	575.3	-0.241	-0.79	0	605.6	-0.23	-0.754	0
1259	Pesi strutturali	605.6	-1.099	-3.597	0	610.6	-1.089	-3.565	0
1259	Permanenti portati	605.6	-0.37	-1.213	0	610.6	-0.367	-1.202	0
1259	Variabile H	605.6	-0.206	-0.674	0	610.6	-0.204	-0.668	0
1259	Neve	605.6	-0.23	-0.754	0	610.6	-0.228	-0.748	0
1259	Pesi strutturali	610.6	-1.089	-3.565	0	611.7	-1.081	-3.539	0
1259	Permanenti portati	610.6	-0.367	-1.202	0	611.7	-0.364	-1.193	0
1259	Variabile H	610.6	-0.204	-0.668	0	611.7	-0.202	-0.663	0
1259	Neve	610.6	-0.228	-0.748	0	611.7	-0.227	-0.742	0
1259	Pesi strutturali	611.7	-1.081	-3.539	0	614.5	-1.081	-3.538	0
1259	Permanenti portati	611.7	-0.364	-1.193	0	614.5	-0.364	-1.193	0
1259	Variabile H	611.7	-0.202	-0.663	0	614.5	-0.202	-0.663	0
1259	Neve	611.7	-0.227	-0.742	0	614.5	-0.227	-0.742	0
1259	Pesi strutturali	614.5	-1.081	-3.538	0	624.9	-1.061	-3.474	0
1259	Permanenti portati	614.5	-0.364	-1.193	0	624.9	-0.358	-1.171	0
1259	Variabile H	614.5	-0.202	-0.663	0	624.9	-0.199	-0.65	0
1259	Neve	614.5	-0.227	-0.742	0	624.9	-0.223	-0.729	0
1260	Pesi strutturali	0	-2.111	-6.912	0	624.9	-2.116	-6.93	0
1260	Permanenti portati	0	-0.712	-2.33	0	624.9	-0.713	-2.336	0
1260	Variabile H	0	-0.395	-1.294	0	624.9	-0.396	-1.298	0
1260	Neve	0	-0.443	-1.45	0	624.9	-0.444	-1.454	0
1261	Pesi strutturali	0	1.157	-3.336	0	3.8	1.193	-3.44	0
1261	Permanenti portati	0	0.39	-1.125	0	3.8	0.402	-1.16	0
1261	Variabile H	0	0.217	-0.625	0	3.8	0.223	-0.644	0
1261	Neve	0	0.243	-0.7	0	3.8	0.25	-0.722	0
1261	Pesi strutturali	3.8	1.215	-3.505	0	254	2.414	-6.963	0
1261	Permanenti portati	3.8	0.41	-1.181	0	254	0.814	-2.347	0
1261	Variabile H	3.8	0.228	-0.656	0	254	0.452	-1.304	0
1261	Neve	3.8	0.255	-0.735	0	254	0.506	-1.46	0
1261	Pesi strutturali	254	2.414	-6.963	0	291.4	2.412	-6.957	0
1261	Permanenti portati	254	0.814	-2.347	0	291.4	0.813	-2.345	0
1261	Variabile H	254	0.452	-1.304	0	291.4	0.452	-1.303	0
1261	Neve	254	0.506	-1.46	0	291.4	0.506	-1.459	0
1261	Pesi strutturali	291.4	2.412	-6.957	0	305	2.346	-6.767	0
1261	Permanenti portati	291.4	0.813	-2.345	0	305	0.791	-2.281	0
1261	Variabile H	291.4	0.452	-1.303	0	305	0.439	-1.267	0
1261	Neve	291.4	0.506	-1.459	0	305	0.492	-1.419	0
1261	Pesi strutturali	305	2.346	-6.767	0	499.6	1.33	-3.835	0
1261	Permanenti portati	305	0.791	-2.281	0	499.6	0.448	-1.293	0
1261	Variabile H	305	0.439	-1.267	0	499.6	0.249	-0.718	0
1261	Neve	305	0.492	-1.419	0	499.6	0.279	-0.804	0
1261	Pesi strutturali	499.6	1.403	-4.046	0	513.3	1.336	-3.854	0
1261	Permanenti portati	499.6	0.473	-1.364	0	513.3	0.45	-1.299	0
1261	Variabile H	499.6	0.263	-0.758	0	513.3	0.25	-0.722	0
1261	Neve	499.6	0.294	-0.849	0	513.3	0.28	-0.808	0
1261	Pesi strutturali	513.3	1.329	-3.832	0	522.4	1.292	-3.727	0
1261	Permanenti portati	513.3	0.448	-1.292	0	522.4	0.436	-1.256	0
1261	Variabile H	513.3	0.249	-0.718	0	522.4	0.242	-0.698	0
1261	Neve	513.3	0.279	-0.804	0	522.4	0.271	-0.782	0
1261	Pesi strutturali	522.4	1.292	-3.727	0	542.5	1.195	-3.448	0
1261	Permanenti portati	522.4	0.436	-1.256	0	542.5	0.403	-1.162	0
1261	Variabile H	522.4	0.242	-0.698	0	542.5	0.224	-0.646	0
1261	Neve	522.4	0.271	-0.782	0	542.5	0.251	-0.723	0
1262	Pesi strutturali	0.2	-2.203	-7.213	0	625.1	-2.224	-7.283	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
1262	Permanenti portati	0.2	-0.743	-2.431	0	625.1	-0.75	-2.455	0
1262	Variabile H	0.2	-0.413	-1.351	0	625.1	-0.417	-1.364	0
1262	Neve	0.2	-0.462	-1.513	0	625.1	-0.467	-1.528	0
1263	Pesi strutturali	1.7	1.16	-3.353	0	10.3	1.24	-3.584	0
1263	Permanenti portati	1.7	0.391	-1.13	0	10.3	0.418	-1.208	0
1263	Variabile H	1.7	0.217	-0.628	0	10.3	0.232	-0.671	0
1263	Neve	1.7	0.243	-0.703	0	10.3	0.26	-0.752	0
1263	Pesi strutturali	10.3	1.24	-3.584	0	13.9	1.252	-3.619	0
1263	Permanenti portati	10.3	0.418	-1.208	0	13.9	0.422	-1.22	0
1263	Variabile H	10.3	0.232	-0.671	0	13.9	0.235	-0.678	0
1263	Neve	10.3	0.26	-0.752	0	13.9	0.263	-0.759	0
1263	Pesi strutturali	13.9	1.252	-3.619	0	274.2	2.456	-7.097	0
1263	Permanenti portati	13.9	0.422	-1.22	0	274.2	0.828	-2.392	0
1263	Variabile H	13.9	0.235	-0.678	0	274.2	0.46	-1.329	0
1263	Neve	13.9	0.263	-0.759	0	274.2	0.515	-1.488	0
1263	Pesi strutturali	274.2	2.454	-7.09	0	294.5	2.453	-7.089	0
1263	Permanenti portati	274.2	0.827	-2.39	0	294.5	0.827	-2.39	0
1263	Variabile H	274.2	0.459	-1.328	0	294.5	0.459	-1.328	0
1263	Neve	274.2	0.515	-1.487	0	294.5	0.515	-1.487	0
1263	Pesi strutturali	294.5	2.453	-7.089	0	308.2	2.389	-6.905	0
1263	Permanenti portati	294.5	0.827	-2.39	0	308.2	0.805	-2.328	0
1263	Variabile H	294.5	0.459	-1.328	0	308.2	0.447	-1.293	0
1263	Neve	294.5	0.515	-1.487	0	308.2	0.501	-1.448	0
1263	Pesi strutturali	308.2	2.389	-6.905	0	501.8	1.419	-4.101	0
1263	Permanenti portati	308.2	0.805	-2.328	0	501.8	0.478	-1.382	0
1263	Variabile H	308.2	0.447	-1.293	0	501.8	0.266	-0.768	0
1263	Neve	308.2	0.501	-1.448	0	501.8	0.298	-0.86	0
1263	Pesi strutturali	501.8	1.49	-4.307	0	515.7	1.42	-4.103	0
1263	Permanenti portati	501.8	0.502	-1.452	0	515.7	0.479	-1.383	0
1263	Variabile H	501.8	0.279	-0.807	0	515.7	0.266	-0.768	0
1263	Neve	501.8	0.313	-0.903	0	515.7	0.298	-0.861	0
1263	Pesi strutturali	515.7	1.42	-4.103	0	524	1.387	-4.009	0
1263	Permanenti portati	515.7	0.479	-1.383	0	524	0.468	-1.351	0
1263	Variabile H	515.7	0.266	-0.768	0	524	0.26	-0.751	0
1263	Neve	515.7	0.298	-0.861	0	524	0.291	-0.841	0
1263	Pesi strutturali	524	1.387	-4.009	0	544.8	1.29	-3.729	0
1263	Permanenti portati	524	0.468	-1.351	0	544.8	0.435	-1.257	0
1263	Variabile H	524	0.26	-0.751	0	544.8	0.242	-0.698	0
1263	Neve	524	0.291	-0.841	0	544.8	0.271	-0.782	0
1264	Pesi strutturali	0	-2.257	-7.391	0	624.9	-2.242	-7.341	0
1264	Permanenti portati	0	-0.761	-2.491	0	624.9	-0.756	-2.474	0
1264	Variabile H	0	-0.423	-1.384	0	624.9	-0.42	-1.375	0
1264	Neve	0	-0.473	-1.55	0	624.9	-0.47	-1.54	0
1264	Pesi strutturali	626	-5.434	-17.791	0	627.3	-2.895	-9.479	0
1264	Permanenti portati	626	-1.832	-5.997	0	627.3	-0.976	-3.195	0
1264	Variabile H	626	-1.018	-3.332	0	627.3	-0.542	-1.775	0
1264	Neve	626	-1.14	-3.731	0	627.3	-0.607	-1.988	0
1265	Pesi strutturali	0.2	1.275	-3.662	0	6.8	1.338	-3.842	0
1265	Permanenti portati	0.2	0.43	-1.234	0	6.8	0.451	-1.295	0
1265	Variabile H	0.2	0.239	-0.686	0	6.8	0.251	-0.719	0
1265	Neve	0.2	0.267	-0.768	0	6.8	0.281	-0.806	0
1265	Pesi strutturali	6.8	1.338	-3.842	0	13.9	1.366	-3.922	0
1265	Permanenti portati	6.8	0.451	-1.295	0	13.9	0.46	-1.322	0
1265	Variabile H	6.8	0.251	-0.719	0	13.9	0.256	-0.734	0
1265	Neve	6.8	0.281	-0.806	0	13.9	0.286	-0.823	0
1265	Pesi strutturali	13.9	1.366	-3.922	0	261	2.558	-7.345	0
1265	Permanenti portati	13.9	0.46	-1.322	0	261	0.862	-2.476	0
1265	Variabile H	13.9	0.256	-0.734	0	261	0.479	-1.375	0
1265	Neve	13.9	0.286	-0.823	0	261	0.536	-1.541	0
1265	Pesi strutturali	261	2.552	-7.328	0	267.9	2.552	-7.329	0
1265	Permanenti portati	261	0.86	-2.47	0	267.9	0.86	-2.47	0
1265	Variabile H	261	0.478	-1.372	0	267.9	0.478	-1.372	0
1265	Neve	261	0.535	-1.537	0	267.9	0.535	-1.537	0
1265	Pesi strutturali	267.9	2.552	-7.329	0	289.4	2.449	-7.034	0
1265	Permanenti portati	267.9	0.86	-2.47	0	289.4	0.826	-2.371	0
1265	Variabile H	267.9	0.478	-1.372	0	289.4	0.459	-1.317	0
1265	Neve	267.9	0.535	-1.537	0	289.4	0.514	-1.475	0
1265	Pesi strutturali	289.4	2.449	-7.034	0	499.8	1.368	-3.929	0
1265	Permanenti portati	289.4	0.826	-2.371	0	499.8	0.461	-1.324	0
1265	Variabile H	289.4	0.459	-1.317	0	499.8	0.256	-0.736	0
1265	Neve	289.4	0.514	-1.475	0	499.8	0.287	-0.824	0
1265	Pesi strutturali	499.8	1.441	-4.139	0	513.6	1.375	-3.949	0
1265	Permanenti portati	499.8	0.486	-1.395	0	513.6	0.464	-1.331	0
1265	Variabile H	499.8	0.27	-0.775	0	513.6	0.258	-0.739	0
1265	Neve	499.8	0.302	-0.868	0	513.6	0.288	-0.828	0
1265	Pesi strutturali	513.6	1.368	-3.928	0	527.4	1.309	-3.759	0
1265	Permanenti portati	513.6	0.461	-1.324	0	527.4	0.441	-1.267	0
1265	Variabile H	513.6	0.256	-0.736	0	527.4	0.245	-0.704	0
1265	Neve	513.6	0.287	-0.824	0	527.4	0.275	-0.788	0
1265	Pesi strutturali	527.4	1.309	-3.759	0	542.7	1.236	-3.548	0
1265	Permanenti portati	527.4	0.441	-1.267	0	542.7	0.417	-1.196	0
1265	Variabile H	527.4	0.245	-0.704	0	542.7	0.231	-0.665	0
1265	Neve	527.4	0.275	-0.788	0	542.7	0.259	-0.744	0
1266	Pesi strutturali	0	-2.3	-7.532	0	624.9	-2.3	-7.532	0
1266	Permanenti portati	0	-0.775	-2.539	0	624.9	-0.775	-2.539	0
1266	Variabile H	0	-0.431	-1.411	0	624.9	-0.431	-1.411	0
1266	Neve	0	-0.482	-1.58	0	624.9	-0.482	-1.58	0
1266	Pesi strutturali	626	-2.3	-7.532	0	627.3	-2.3	-7.532	0
1266	Permanenti portati	626	-0.775	-2.539	0	627.3	-0.775	-2.539	0
1266	Variabile H	626	-0.431	-1.411	0	627.3	-0.431	-1.411	0
1266	Neve	626	-0.482	-1.58	0	627.3	-0.482	-1.58	0
1266	Pesi strutturali	627.3	-7.564	-24.768	0	628.4	-4.636	-15.178	0
1266	Permanenti portati	627.3	-2.55	-8.349	0	628.4	-1.563	-5.116	0
1266	Variabile H	627.3	-1.417	-4.638	0	628.4	-0.868	-2.842	0
1266	Neve	627.3	-1.587	-5.195	0	628.4	-0.972	-3.183	0
1267	Pesi strutturali	0	1.243	-3.586	0	7	1.27	-3.663	0
1267	Permanenti portati	0	0.419	-1.209	0	7	0.428	-1.235	0
1267	Variabile H	0	0.233	-0.671	0	7	0.238	-0.686	0
1267	Neve	0	0.261	-0.752	0	7	0.266	-0.768	0
1267	Pesi strutturali	7	1.27	-3.663	0	282.6	2.572	-7.417	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
1267	Permanenti portati	7	0.428	-1.235	0	282.6	0.867	-2.5	0
1267	Variabile H	7	0.238	-0.686	0	282.6	0.482	-1.389	0
1267	Neve	7	0.266	-0.768	0	282.6	0.539	-1.556	0
1267	Pesi strutturali	282.6	2.572	-7.416	0	312.3	2.43	-7.009	0
1267	Permanenti portati	282.6	0.867	-2.5	0	312.3	0.819	-2.363	0
1267	Variabile H	282.6	0.482	-1.389	0	312.3	0.455	-1.313	0
1267	Neve	282.6	0.539	-1.555	0	312.3	0.51	-1.47	0
1267	Pesi strutturali	312.3	2.43	-7.009	0	498.5	1.471	-4.243	0
1267	Permanenti portati	312.3	0.819	-2.363	0	498.5	0.496	-1.43	0
1267	Variabile H	312.3	0.455	-1.313	0	498.5	0.276	-0.795	0
1267	Neve	312.3	0.51	-1.47	0	498.5	0.309	-0.89	0
1267	Pesi strutturali	498.5	1.544	-4.452	0	512.3	1.478	-4.262	0
1267	Permanenti portati	498.5	0.52	-1.501	0	512.3	0.498	-1.437	0
1267	Variabile H	498.5	0.289	-0.834	0	512.3	0.277	-0.798	0
1267	Neve	498.5	0.324	-0.934	0	512.3	0.31	-0.894	0
1267	Pesi strutturali	512.3	1.471	-4.243	0	526.2	1.412	-4.072	0
1267	Permanenti portati	512.3	0.496	-1.43	0	526.2	0.476	-1.373	0
1267	Variabile H	512.3	0.275	-0.794	0	526.2	0.264	-0.763	0
1267	Neve	512.3	0.309	-0.89	0	526.2	0.296	-0.854	0
1267	Pesi strutturali	526.2	1.412	-4.072	0	541.4	1.339	-3.862	0
1267	Permanenti portati	526.2	0.476	-1.373	0	541.4	0.451	-1.302	0
1267	Variabile H	526.2	0.264	-0.763	0	541.4	0.251	-0.723	0
1267	Neve	526.2	0.296	-0.854	0	541.4	0.281	-0.81	0
1268	Pesi strutturali	0	-3.864	-12.651	0	20.9	-3.861	-12.641	0
1268	Permanenti portati	0	-1.302	-4.264	0	20.9	-1.301	-4.261	0
1268	Variabile H	0	-0.724	-2.369	0	20.9	-0.723	-2.367	0
1268	Neve	0	-0.81	-2.653	0	20.9	-0.81	-2.651	0
1268	Pesi strutturali	20.9	-2.494	-8.167	0	624.9	-2.499	-8.182	0
1268	Permanenti portati	20.9	-0.841	-2.753	0	624.9	-0.842	-2.758	0
1268	Variabile H	20.9	-0.467	-1.529	0	624.9	-0.468	-1.532	0
1268	Neve	20.9	-0.523	-1.713	0	624.9	-0.524	-1.716	0
1268	Pesi strutturali	626	-3.568	-11.682	0	627.3	-3.568	-11.682	0
1268	Permanenti portati	626	-1.203	-3.938	0	627.3	-1.203	-3.938	0
1268	Variabile H	626	-0.668	-2.188	0	627.3	-0.668	-2.188	0
1268	Neve	626	-0.748	-2.45	0	627.3	-0.748	-2.45	0
1269	Pesi strutturali	0	1.338	-3.861	0	1.9	1.349	-3.891	0
1269	Permanenti portati	0	0.451	-1.301	0	1.9	0.455	-1.312	0
1269	Variabile H	0	0.251	-0.723	0	1.9	0.253	-0.729	0
1269	Neve	0	0.281	-0.81	0	1.9	0.283	-0.816	0
1269	Pesi strutturali	1.9	1.349	-3.891	0	29.8	1.478	-4.264	0
1269	Permanenti portati	1.9	0.455	-1.312	0	29.8	0.498	-1.437	0
1269	Variabile H	1.9	0.253	-0.729	0	29.8	0.277	-0.799	0
1269	Neve	1.9	0.283	-0.816	0	29.8	0.31	-0.894	0
1269	Pesi strutturali	29.8	1.478	-4.264	0	259.9	2.559	-7.381	0
1269	Permanenti portati	29.8	0.498	-1.437	0	259.9	0.862	-2.488	0
1269	Variabile H	29.8	0.277	-0.799	0	259.9	0.479	-1.382	0
1269	Neve	29.8	0.31	-0.894	0	259.9	0.537	-1.548	0
1269	Pesi strutturali	259.9	2.559	-7.381	0	310.3	2.558	-7.38	0
1269	Permanenti portati	259.9	0.862	-2.488	0	310.3	0.862	-2.488	0
1269	Variabile H	259.9	0.479	-1.382	0	310.3	0.479	-1.382	0
1269	Neve	259.9	0.537	-1.548	0	310.3	0.537	-1.548	0
1269	Pesi strutturali	310.3	2.553	-7.365	0	339	2.418	-6.975	0
1269	Permanenti portati	310.3	0.861	-2.483	0	339	0.815	-2.351	0
1269	Variabile H	310.3	0.478	-1.379	0	339	0.453	-1.306	0
1269	Neve	310.3	0.536	-1.545	0	339	0.507	-1.463	0
1269	Pesi strutturali	339	2.418	-6.975	0	499.4	1.589	-4.584	0
1269	Permanenti portati	339	0.815	-2.351	0	499.4	0.536	-1.545	0
1269	Variabile H	339	0.453	-1.306	0	499.4	0.298	-0.858	0
1269	Neve	339	0.507	-1.463	0	499.4	0.333	-0.961	0
1269	Pesi strutturali	499.4	1.661	-4.791	0	513.3	1.589	-4.584	0
1269	Permanenti portati	499.4	0.56	-1.615	0	513.3	0.536	-1.545	0
1269	Variabile H	499.4	0.311	-0.897	0	513.3	0.298	-0.858	0
1269	Neve	499.4	0.348	-1.005	0	513.3	0.333	-0.961	0
1269	Pesi strutturali	513.3	1.589	-4.584	0	528.5	1.523	-4.394	0
1269	Permanenti portati	513.3	0.536	-1.545	0	528.5	0.513	-1.481	0
1269	Variabile H	513.3	0.298	-0.858	0	528.5	0.285	-0.823	0
1269	Neve	513.3	0.333	-0.961	0	528.5	0.32	-0.922	0
1269	Pesi strutturali	528.5	1.523	-4.394	0	542.4	1.458	-4.205	0
1269	Permanenti portati	528.5	0.513	-1.481	0	542.4	0.491	-1.418	0
1269	Variabile H	528.5	0.285	-0.823	0	542.4	0.273	-0.788	0
1269	Neve	528.5	0.32	-0.922	0	542.4	0.306	-0.882	0
1270	Pesi strutturali	0	-1.366	-4.473	0	332	-1.315	-4.306	0
1270	Permanenti portati	0	-0.461	-1.508	0	332	-0.443	-1.451	0
1270	Variabile H	0	-0.256	-0.838	0	332	-0.246	-0.806	0
1270	Neve	0	-0.287	-0.938	0	332	-0.276	-0.903	0
1270	Pesi strutturali	332	-1.422	-4.655	0	335.9	-3.445	-11.281	0
1270	Permanenti portati	332	-0.479	-1.569	0	335.9	-1.161	-3.802	0
1270	Variabile H	332	-0.266	-0.872	0	335.9	-0.645	-2.112	0
1270	Neve	332	-0.298	-0.976	0	335.9	-0.723	-2.366	0
1270	Pesi strutturali	335.9	-3.445	-11.281	0	341.8	-3.446	-11.283	0
1270	Permanenti portati	335.9	-1.161	-3.802	0	341.8	-1.162	-3.803	0
1270	Variabile H	335.9	-0.645	-2.112	0	341.8	-0.645	-2.113	0
1270	Neve	335.9	-0.723	-2.366	0	341.8	-0.723	-2.367	0
1270	Pesi strutturali	341.8	-2.369	-7.757	0	604	-2.369	-7.757	0
1270	Permanenti portati	341.8	-0.799	-2.615	0	604	-0.799	-2.615	0
1270	Variabile H	341.8	-0.444	-1.453	0	604	-0.444	-1.453	0
1270	Neve	341.8	-0.497	-1.627	0	604	-0.497	-1.627	0
1271	Pesi strutturali	2.6	1.571	-4.197	0	18.8	1.575	-4.206	0
1271	Permanenti portati	2.6	0.53	-1.415	0	18.8	0.531	-1.418	0
1271	Variabile H	2.6	0.294	-0.786	0	18.8	0.295	-0.788	0
1271	Neve	2.6	0.33	-0.88	0	18.8	0.33	-0.882	0
1271	Pesi strutturali	18.8	1.575	-4.206	0	234.9	1.588	-4.241	0
1271	Permanenti portati	18.8	0.531	-1.418	0	234.9	0.535	-1.429	0
1271	Variabile H	18.8	0.295	-0.788	0	234.9	0.297	-0.794	0
1271	Neve	18.8	0.33	-0.882	0	234.9	0.333	-0.889	0
1271	Pesi strutturali	234.9	1.588	-4.241	0	248.8	1.518	-4.056	0
1271	Permanenti portati	234.9	0.535	-1.429	0	248.8	0.512	-1.367	0
1271	Variabile H	234.9	0.297	-0.794	0	248.8	0.284	-0.759	0
1271	Neve	234.9	0.333	-0.889	0	248.8	0.318	-0.851	0
1271	Pesi strutturali	248.8	1.518	-4.056	0	500.9	0.184	-0.492	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
1271	Permanenti portati	248.8	0.512	-1.367	0	500.9	0.062	-0.166	0
1271	Variabile H	248.8	0.284	-0.759	0	500.9	0.034	-0.092	0
1271	Neve	248.8	0.318	-0.851	0	500.9	0.039	-0.103	0
1271	Pesi strutturali	500.9	0.261	-0.697	0	509.1	0.22	-0.587	0
1271	Permanenti portati	500.9	0.088	-0.235	0	509.1	0.074	-0.198	0
1271	Variabile H	500.9	0.049	-0.131	0	509.1	0.041	-0.11	0
1271	Neve	500.9	0.055	-0.146	0	509.1	0.046	-0.123	0
1271	Pesi strutturali	509.1	0.185	-0.493	0	511.6	0.207	-0.554	0
1271	Permanenti portati	509.1	0.062	-0.166	0	511.6	0.07	-0.187	0
1271	Variabile H	509.1	0.035	-0.092	0	511.6	0.039	-0.104	0
1271	Neve	509.1	0.039	-0.103	0	511.6	0.043	-0.116	0
1271	Pesi strutturali	511.6	0.207	-0.554	0	514.3	0.194	-0.519	0
1271	Permanenti portati	511.6	0.07	-0.187	0	514.3	0.065	-0.175	0
1271	Variabile H	511.6	0.039	-0.104	0	514.3	0.036	-0.097	0
1271	Neve	511.6	0.043	-0.116	0	514.3	0.041	-0.109	0
1271	Pesi strutturali	514.3	0.194	-0.519	0	517.4	0.185	-0.495	0
1271	Permanenti portati	514.3	0.065	-0.175	0	517.4	0.062	-0.167	0
1271	Variabile H	514.3	0.036	-0.097	0	517.4	0.035	-0.093	0
1271	Neve	514.3	0.041	-0.109	0	517.4	0.039	-0.104	0
1271	Pesi strutturali	517.4	0.185	-0.495	0	521.9	0.156	-0.417	0
1271	Permanenti portati	517.4	0.062	-0.167	0	521.9	0.053	-0.141	0
1271	Variabile H	517.4	0.035	-0.093	0	521.9	0.029	-0.078	0
1271	Neve	517.4	0.039	-0.104	0	521.9	0.033	-0.087	0
1271	Pesi strutturali	521.9	0.156	-0.417	0	527.5	0.128	-0.342	0
1271	Permanenti portati	521.9	0.053	-0.141	0	527.5	0.043	-0.115	0
1271	Variabile H	521.9	0.029	-0.078	0	527.5	0.024	-0.064	0
1271	Neve	521.9	0.033	-0.087	0	527.5	0.027	-0.072	0
1271	Pesi strutturali	527.5	0.128	-0.342	0	530	0.07	-0.187	0
1271	Permanenti portati	527.5	0.043	-0.115	0	530	0.024	-0.063	0
1271	Variabile H	527.5	0.024	-0.064	0	530	0.013	-0.035	0
1271	Neve	527.5	0.027	-0.072	0	530	0.015	-0.039	0
1271	Pesi strutturali	530	0.061	-0.162	0	531.7	0.107	-0.286	0
1271	Permanenti portati	530	0.02	-0.055	0	531.7	0.036	-0.096	0
1271	Variabile H	530	0.011	-0.03	0	531.7	0.02	-0.054	0
1271	Neve	530	0.013	-0.034	0	531.7	0.022	-0.06	0
1271	Pesi strutturali	531.7	0.107	-0.286	0	535.5	0.089	-0.237	0
1271	Permanenti portati	531.7	0.036	-0.096	0	535.5	0.03	-0.08	0
1271	Variabile H	531.7	0.02	-0.054	0	535.5	0.017	-0.044	0
1271	Neve	531.7	0.022	-0.06	0	535.5	0.019	-0.05	0
1271	Pesi strutturali	535.5	0.062	-0.165	0	538.6	0.046	-0.123	0
1271	Permanenti portati	535.5	0.021	-0.056	0	538.6	0.016	-0.042	0
1271	Variabile H	535.5	0.012	-0.031	0	538.6	0.009	-0.023	0
1271	Neve	535.5	0.013	-0.035	0	538.6	0.01	-0.026	0
1271	Pesi strutturali	538.6	0.032	-0.085	0	540.7	0.027	-0.071	0
1271	Permanenti portati	538.6	0.011	-0.029	0	540.7	0.009	-0.024	0
1271	Variabile H	538.6	0.006	-0.016	0	540.7	0.005	-0.013	0
1271	Neve	538.6	0.007	-0.018	0	540.7	0.006	-0.015	0
1271	Pesi strutturali	540.7	0.074	-0.197	0	543.9	0.059	-0.156	0
1271	Permanenti portati	540.7	0.025	-0.066	0	543.9	0.02	-0.053	0
1271	Variabile H	540.7	0.014	-0.037	0	543.9	0.011	-0.029	0
1271	Neve	540.7	0.015	-0.041	0	543.9	0.012	-0.033	0
1271	Pesi strutturali	1.7	1.316	-3.514	0	14.3	1.317	-3.517	0
1271	Permanenti portati	1.7	0.443	-1.185	0	14.3	0.444	-1.185	0
1271	Variabile H	1.7	0.246	-0.658	0	14.3	0.247	-0.659	0
1271	Neve	1.7	0.276	-0.737	0	14.3	0.276	-0.738	0
1271	Pesi strutturali	14.3	2.6	-6.944	0	17.6	1.317	-3.517	0
1271	Permanenti portati	14.3	0.876	-2.341	0	17.6	0.444	-1.186	0
1271	Variabile H	14.3	0.487	-1.3	0	17.6	0.247	-0.659	0
1271	Neve	14.3	0.545	-1.456	0	17.6	0.276	-0.738	0
1271	Pesi strutturali	17.6	1.317	-3.517	0	222	1.332	-3.558	0
1271	Permanenti portati	17.6	0.444	-1.186	0	222	0.449	-1.199	0
1271	Variabile H	17.6	0.247	-0.659	0	222	0.249	-0.666	0
1271	Neve	17.6	0.276	-0.738	0	222	0.279	-0.746	0
1271	Pesi strutturali	222	2.678	-7.154	0	223.7	2.679	-7.155	0
1271	Permanenti portati	222	0.903	-2.412	0	223.7	0.903	-2.412	0
1271	Variabile H	222	0.502	-1.34	0	223.7	0.502	-1.34	0
1271	Neve	222	0.562	-1.5	0	223.7	0.562	-1.501	0
1271	Pesi strutturali	223.7	1.341	-3.581	0	517.1	0.141	-0.377	0
1271	Permanenti portati	223.7	0.452	-1.207	0	517.1	0.048	-0.127	0
1271	Variabile H	223.7	0.251	-0.671	0	517.1	0.026	-0.071	0
1271	Neve	223.7	0.281	-0.751	0	517.1	0.03	-0.079	0
1271	Pesi strutturali	517.1	0.141	-0.377	0	519.3	0.131	-0.35	0
1271	Permanenti portati	517.1	0.048	-0.127	0	519.3	0.044	-0.118	0
1271	Variabile H	517.1	0.026	-0.071	0	519.3	0.025	-0.066	0
1271	Neve	517.1	0.03	-0.079	0	519.3	0.028	-0.073	0
1271	Pesi strutturali	519.3	0.093	-0.249	0	521.9	0.122	-0.325	0
1271	Permanenti portati	519.3	0.031	-0.084	0	521.9	0.041	-0.109	0
1271	Variabile H	519.3	0.017	-0.047	0	521.9	0.023	-0.061	0
1271	Neve	519.3	0.02	-0.052	0	521.9	0.025	-0.068	0
1271	Pesi strutturali	521.9	0.122	-0.325	0	534	0.072	-0.193	0
1271	Permanenti portati	521.9	0.041	-0.109	0	534	0.024	-0.065	0
1271	Variabile H	521.9	0.023	-0.061	0	534	0.014	-0.036	0
1271	Neve	521.9	0.025	-0.068	0	534	0.015	-0.04	0
1271	Pesi strutturali	534	0.051	-0.135	0	537.8	0.034	-0.091	0
1271	Permanenti portati	534	0.017	-0.046	0	537.8	0.012	-0.031	0
1271	Variabile H	534	0.009	-0.025	0	537.8	0.006	-0.017	0
1271	Neve	534	0.011	-0.028	0	537.8	0.007	-0.019	0
1271	Pesi strutturali	537.8	0.034	-0.091	0	540	0.032	-0.085	0
1271	Permanenti portati	537.8	0.012	-0.031	0	540	0.011	-0.029	0
1271	Variabile H	537.8	0.006	-0.017	0	540	0.006	-0.016	0
1271	Neve	537.8	0.007	-0.019	0	540	0.007	-0.018	0
1271	Pesi strutturali	540	0.032	-0.085	0	543.3	0	0	0
1271	Permanenti portati	540	0.011	-0.029	0	543.3	0	0	0
1271	Variabile H	540	0.006	-0.016	0	543.3	0	0	0
1271	Neve	540	0.007	-0.018	0	543.3	0	0	0
1273	Pesi strutturali	275.2	0	-4.142	0	276.4	0	-4.128	0
1273	Permanenti portati	275.2	0	-1.396	0	276.4	0	-1.391	0
1273	Variabile H	275.2	0	-0.776	0	276.4	0	-0.773	0
1273	Neve	275.2	0	-0.869	0	276.4	0	-0.866	0
1274	Pesi strutturali	0	0	-4.128	0	99.6	0	-2.895	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
1274	Permanenti portati	0	0	-1.391	0	99.6	0	-0.976	0
1274	Variabile H	0	0	-0.773	0	99.6	0	-0.542	0
1274	Neve	0	0	-0.866	0	99.6	0	-0.607	0
1274	Pesi strutturali	99.6	0	-2.895	0	316.3	0	-0.19	0
1274	Permanenti portati	99.6	0	-0.976	0	316.3	0	-0.064	0
1274	Variabile H	99.6	0	-0.542	0	316.3	0	-0.036	0
1274	Neve	99.6	0	-0.607	0	316.3	0	-0.04	0
1274	Pesi strutturali	316.3	0	-0.19	0	318.6	0	-0.184	0
1274	Permanenti portati	316.3	0	-0.064	0	318.6	0	-0.062	0
1274	Variabile H	316.3	0	-0.036	0	318.6	0	-0.034	0
1274	Neve	316.3	0	-0.04	0	318.6	0	-0.039	0
1274	Pesi strutturali	318.6	0	-0.162	0	331.3	0	0	0
1274	Permanenti portati	318.6	0	-0.055	0	331.3	0	0	0
1274	Variabile H	318.6	0	-0.03	0	331.3	0	0	0
1274	Neve	318.6	0	-0.034	0	331.3	0	0	0
1275	Pesi strutturali	1.1	0	-3.767	0	16	0	-3.607	0
1275	Permanenti portati	1.1	0	-1.27	0	16	0	-1.216	0
1275	Variabile H	1.1	0	-0.705	0	16	0	-0.676	0
1275	Neve	1.1	0	-0.79	0	16	0	-0.757	0
1275	Pesi strutturali	16	0	-3.583	0	284.7	0	-0.247	0
1275	Permanenti portati	16	0	-1.208	0	284.7	0	-0.083	0
1275	Variabile H	16	0	-0.671	0	284.7	0	-0.046	0
1275	Neve	16	0	-0.751	0	284.7	0	-0.052	0
1275	Pesi strutturali	284.7	0	-0.247	0	292.3	0	-0.169	0
1275	Permanenti portati	284.7	0	-0.083	0	292.3	0	-0.057	0
1275	Variabile H	284.7	0	-0.046	0	292.3	0	-0.032	0
1275	Neve	284.7	0	-0.052	0	292.3	0	-0.036	0
1275	Pesi strutturali	292.3	0	-0.169	0	299.7	0	-0.077	0
1275	Permanenti portati	292.3	0	-0.057	0	299.7	0	-0.026	0
1275	Variabile H	292.3	0	-0.032	0	299.7	0	-0.014	0
1275	Neve	292.3	0	-0.036	0	299.7	0	-0.016	0
1275	Pesi strutturali	299.7	0	-0.077	0	307.2	0	0	0
1275	Permanenti portati	299.7	0	-0.026	0	307.2	0	0	0
1275	Variabile H	299.7	0	-0.014	0	307.2	0	0	0
1275	Neve	299.7	0	-0.016	0	307.2	0	0	0
1275	Pesi strutturali	307.2	0	-3.454	0	310.5	0	-3.413	0
1275	Permanenti portati	307.2	0	-1.164	0	310.5	0	-1.15	0
1275	Variabile H	307.2	0	-0.647	0	310.5	0	-0.639	0
1275	Neve	307.2	0	-0.724	0	310.5	0	-0.716	0
1276	Pesi strutturali	0	0	-3.413	0	11.6	0	-3.268	0
1276	Permanenti portati	0	0	-1.15	0	11.6	0	-1.102	0
1276	Variabile H	0	0	-0.639	0	11.6	0	-0.612	0
1276	Neve	0	0	-0.716	0	11.6	0	-0.685	0
1276	Pesi strutturali	11.6	0	-3.253	0	258.3	0	-0.201	0
1276	Permanenti portati	11.6	0	-1.096	0	258.3	0	-0.068	0
1276	Variabile H	11.6	0	-0.609	0	258.3	0	-0.038	0
1276	Neve	11.6	0	-0.682	0	258.3	0	-0.042	0
1276	Pesi strutturali	258.3	0	-0.201	0	263.3	0	-0.157	0
1276	Permanenti portati	258.3	0	-0.068	0	263.3	0	-0.053	0
1276	Variabile H	258.3	0	-0.038	0	263.3	0	-0.029	0
1276	Neve	258.3	0	-0.042	0	263.3	0	-0.033	0
1276	Pesi strutturali	263.3	0	-0.157	0	265.3	0	-0.114	0
1276	Permanenti portati	263.3	0	-0.053	0	265.3	0	-0.039	0
1276	Variabile H	263.3	0	-0.029	0	265.3	0	-0.021	0
1276	Neve	263.3	0	-0.033	0	265.3	0	-0.024	0
1276	Pesi strutturali	265.3	0	-0.114	0	273	0	0	0
1276	Permanenti portati	265.3	0	-0.039	0	273	0	0	0
1276	Variabile H	265.3	0	-0.021	0	273	0	0	0
1276	Neve	265.3	0	-0.024	0	273	0	0	0
1276	Pesi strutturali	280.1	0	-3.562	0	282.3	0	-3.535	0
1276	Permanenti portati	280.1	0	-1.201	0	282.3	0	-1.191	0
1276	Variabile H	280.1	0	-0.667	0	282.3	0	-0.662	0
1276	Neve	280.1	0	-0.747	0	282.3	0	-0.741	0
1277	Pesi strutturali	0	0	-3.535	0	277.6	0	-0.062	0
1277	Permanenti portati	0	0	-1.191	0	277.6	0	-0.021	0
1277	Variabile H	0	0	-0.662	0	277.6	0	-0.012	0
1277	Neve	0	0	-0.741	0	277.6	0	-0.013	0
1277	Pesi strutturali	277.6	0	-0.062	0	281.5	0	0	0
1277	Permanenti portati	277.6	0	-0.021	0	281.5	0	0	0
1277	Variabile H	277.6	0	-0.012	0	281.5	0	0	0
1277	Neve	277.6	0	-0.013	0	281.5	0	0	0
1278	Pesi strutturali	0	0	-3.301	0	262.3	0	-0.069	0
1278	Permanenti portati	0	0	-1.113	0	262.3	0	-0.023	0
1278	Variabile H	0	0	-0.618	0	262.3	0	-0.013	0
1278	Neve	0	0	-0.692	0	262.3	0	-0.014	0
1278	Pesi strutturali	262.3	0	-0.069	0	273	0	0	0
1278	Permanenti portati	262.3	0	-0.023	0	273	0	0	0
1278	Variabile H	262.3	0	-0.013	0	273	0	0	0
1278	Neve	262.3	0	-0.014	0	273	0	0	0
1279	Pesi strutturali	0.9	0	-3.224	0	237.3	0	-0.298	0
1279	Permanenti portati	0.9	0	-1.087	0	237.3	0	-0.1	0
1279	Variabile H	0.9	0	-0.604	0	237.3	0	-0.056	0
1279	Neve	0.9	0	-0.676	0	237.3	0	-0.063	0
1279	Pesi strutturali	237.3	0	-0.277	0	241.2	0	-0.249	0
1279	Permanenti portati	237.3	0	-0.093	0	241.2	0	-0.084	0
1279	Variabile H	237.3	0	-0.052	0	241.2	0	-0.047	0
1279	Neve	237.3	0	-0.058	0	241.2	0	-0.052	0
1279	Pesi strutturali	241.2	0	-0.249	0	247.1	0	-0.176	0
1279	Permanenti portati	241.2	0	-0.084	0	247.1	0	-0.059	0
1279	Variabile H	241.2	0	-0.047	0	247.1	0	-0.033	0
1279	Neve	241.2	0	-0.052	0	247.1	0	-0.037	0
1279	Pesi strutturali	247.1	0	-0.048	0	249.1	0	-0.082	0
1279	Permanenti portati	247.1	0	-0.016	0	249.1	0	-0.028	0
1279	Variabile H	247.1	0	-0.009	0	249.1	0	-0.015	0
1279	Neve	247.1	0	-0.01	0	249.1	0	-0.017	0
1279	Pesi strutturali	249.1	0	-0.152	0	255.7	0	-0.07	0
1279	Permanenti portati	249.1	0	-0.051	0	255.7	0	-0.024	0
1279	Variabile H	249.1	0	-0.028	0	255.7	0	-0.013	0
1279	Neve	249.1	0	-0.032	0	255.7	0	-0.015	0
1279	Pesi strutturali	255.7	0	-0.07	0	263.8	0	0	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
1279	Permanenti portati	255.7	0	-0.024	0	263.8	0	0	0
1279	Variabile H	255.7	0	-0.013	0	263.8	0	0	0
1279	Neve	255.7	0	-0.015	0	263.8	0	0	0
1288	Pesi strutturali	0	-1.463	-4.246	0	548.1	-1.512	-4.388	0
1288	Permanenti portati	0	-0.493	-1.431	0	548.1	-0.51	-1.479	0
1288	Variabile H	0	-0.274	-0.795	0	548.1	-0.283	-0.822	0
1288	Neve	0	-0.307	-0.891	0	548.1	-0.317	-0.92	0
1289	Pesi strutturali	0.2	2.656	-7.618	0	1.4	2.656	-7.616	0
1289	Permanenti portati	0.2	0.895	-2.568	0	1.4	0.895	-2.567	0
1289	Variabile H	0.2	0.497	-1.427	0	1.4	0.497	-1.426	0
1289	Neve	0.2	0.557	-1.598	0	1.4	0.557	-1.597	0
1289	Pesi strutturali	1.4	1.413	-4.051	0	252.4	1.3	-3.728	0
1289	Permanenti portati	1.4	0.476	-1.366	0	252.4	0.438	-1.257	0
1289	Variabile H	1.4	0.265	-0.759	0	252.4	0.243	-0.698	0
1289	Neve	1.4	0.296	-0.85	0	252.4	0.273	-0.782	0
1289	Pesi strutturali	252.4	1.3	-3.728	0	259.1	1.304	-3.74	0
1289	Permanenti portati	252.4	0.438	-1.257	0	259.1	0.44	-1.261	0
1289	Variabile H	252.4	0.243	-0.698	0	259.1	0.244	-0.7	0
1289	Neve	252.4	0.273	-0.782	0	259.1	0.273	-0.784	0
1289	Pesi strutturali	259.1	1.304	-3.74	0	260.9	1.281	-3.674	0
1289	Permanenti portati	259.1	0.44	-1.261	0	260.9	0.432	-1.238	0
1289	Variabile H	259.1	0.244	-0.7	0	260.9	0.24	-0.688	0
1289	Neve	259.1	0.273	-0.784	0	260.9	0.269	-0.771	0
1290	Pesi strutturali	391.4	0.004	-0.018	0	412.3	0.004	-0.015	0
1290	Permanenti portati	391.4	0.001	-0.006	0	412.3	0.001	-0.005	0
1290	Variabile H	391.4	0.001	-0.003	0	412.3	0.001	-0.003	0
1290	Neve	391.4	0.001	-0.004	0	412.3	0.001	-0.003	0
1290	Pesi strutturali	412.3	0.005	-0.023	0	427.1	0.005	-0.02	0
1290	Permanenti portati	412.3	0.002	-0.008	0	427.1	0.002	-0.007	0
1290	Variabile H	412.3	0.001	-0.004	0	427.1	0.001	-0.004	0
1290	Neve	412.3	0.001	-0.005	0	427.1	0.001	-0.004	0
1290	Pesi strutturali	0	0.672	-2.801	0	5.2	0.681	-2.837	0
1290	Permanenti portati	0	0.227	-0.944	0	5.2	0.229	-0.956	0
1290	Variabile H	0	0.126	-0.525	0	5.2	0.127	-0.531	0
1290	Neve	0	0.141	-0.587	0	5.2	0.143	-0.595	0
1290	Pesi strutturali	5.2	0.68	-2.834	0	411.1	0.025	-0.105	0
1290	Permanenti portati	5.2	0.229	-0.955	0	411.1	0.009	-0.036	0
1290	Variabile H	5.2	0.127	-0.531	0	411.1	0.005	-0.02	0
1290	Neve	5.2	0.143	-0.594	0	411.1	0.005	-0.022	0
1290	Pesi strutturali	411.1	0.036	-0.151	0	416.1	0.028	-0.118	0
1290	Permanenti portati	411.1	0.012	-0.051	0	416.1	0.01	-0.04	0
1290	Variabile H	411.1	0.007	-0.028	0	416.1	0.005	-0.022	0
1290	Neve	411.1	0.008	-0.032	0	416.1	0.006	-0.025	0
1290	Pesi strutturali	416.1	0.028	-0.118	0	419	0.02	-0.085	0
1290	Permanenti portati	416.1	0.01	-0.04	0	419	0.007	-0.029	0
1290	Variabile H	416.1	0.005	-0.022	0	419	0.004	-0.016	0
1290	Neve	416.1	0.006	-0.025	0	419	0.004	-0.018	0
1290	Pesi strutturali	419	0.02	-0.085	0	423.4	0.023	-0.095	0
1290	Permanenti portati	419	0.007	-0.029	0	423.4	0.008	-0.032	0
1290	Variabile H	419	0.004	-0.016	0	423.4	0.004	-0.018	0
1290	Neve	419	0.004	-0.018	0	423.4	0.005	-0.02	0
1290	Pesi strutturali	423.4	0.023	-0.095	0	429.1	0.005	-0.019	0
1290	Permanenti portati	423.4	0.008	-0.032	0	429.1	0.002	-0.007	0
1290	Variabile H	423.4	0.004	-0.018	0	429.1	0.001	-0.004	0
1290	Neve	423.4	0.005	-0.02	0	429.1	0.001	-0.004	0
1290	Pesi strutturali	0	0.65	-2.709	0	373.3	0.063	-0.263	0
1290	Permanenti portati	0	0.219	-0.913	0	373.3	0.021	-0.089	0
1290	Variabile H	0	0.122	-0.507	0	373.3	0.012	-0.049	0
1290	Neve	0	0.136	-0.568	0	373.3	0.013	-0.055	0
1290	Pesi strutturali	373.3	0.053	-0.222	0	390.9	0.025	-0.105	0
1290	Permanenti portati	373.3	0.018	-0.075	0	390.9	0.008	-0.035	0
1290	Variabile H	373.3	0.01	-0.042	0	390.9	0.005	-0.02	0
1290	Neve	373.3	0.011	-0.047	0	390.9	0.005	-0.022	0
1290	Pesi strutturali	390.9	0.025	-0.105	0	397.8	0.019	-0.077	0
1290	Permanenti portati	390.9	0.008	-0.035	0	397.8	0.006	-0.026	0
1290	Variabile H	390.9	0.005	-0.02	0	397.8	0.003	-0.014	0
1290	Neve	390.9	0.005	-0.022	0	397.8	0.004	-0.016	0
1290	Pesi strutturali	397.8	0.019	-0.077	0	405.3	0	0	0
1290	Permanenti portati	397.8	0.006	-0.026	0	405.3	0	0	0
1290	Variabile H	397.8	0.003	-0.014	0	405.3	0	0	0
1290	Neve	397.8	0.004	-0.016	0	405.3	0	0	0
1290	Pesi strutturali	414.1	5.724	-23.858	0	421.5	5.724	-23.857	0
1290	Permanenti portati	414.1	1.929	-8.042	0	421.5	1.929	-8.042	0
1290	Variabile H	414.1	1.072	-4.468	0	421.5	1.072	-4.468	0
1290	Neve	414.1	1.2	-5.004	0	421.5	1.2	-5.004	0
1291	Pesi strutturali	0	-1.346	-3.596	0	204.4	-1.346	-3.596	0
1291	Permanenti portati	0	-0.454	-1.212	0	204.4	-0.454	-1.212	0
1291	Variabile H	0	-0.252	-0.673	0	204.4	-0.252	-0.673	0
1291	Neve	0	-0.282	-0.754	0	204.4	-0.282	-0.754	0
1291	Pesi strutturali	204.4	-1.346	-3.596	0	207.7	-0.063	-0.168	0
1291	Permanenti portati	204.4	-0.454	-1.212	0	207.7	-0.021	-0.057	0
1291	Variabile H	204.4	-0.252	-0.673	0	207.7	-0.012	-0.032	0
1291	Neve	204.4	-0.282	-0.754	0	207.7	-0.013	-0.035	0
1291	Pesi strutturali	207.7	-1.346	-3.596	0	220.2	-1.346	-3.596	0
1291	Permanenti portati	207.7	-0.454	-1.212	0	220.2	-0.454	-1.212	0
1291	Variabile H	207.7	-0.252	-0.673	0	220.2	-0.252	-0.673	0
1291	Neve	207.7	-0.282	-0.754	0	220.2	-0.282	-0.754	0
1292	Pesi strutturali	0	0	0	0	2.6	7.659	-25.075	0
1292	Permanenti portati	0	0	0	0	2.6	2.582	-8.452	0
1292	Variabile H	0	0	0	0	2.6	1.434	-4.696	0
1292	Neve	0	0	0	0	2.6	1.606	-5.259	0
1292	Pesi strutturali	2.6	3.514	-11.506	0	3.8	3.611	-11.824	0
1292	Permanenti portati	2.6	1.185	-3.878	0	3.8	1.217	-3.986	0
1292	Variabile H	2.6	0.658	-2.155	0	3.8	0.676	-2.214	0
1292	Neve	2.6	0.737	-2.413	0	3.8	0.757	-2.48	0
1292	Pesi strutturali	3.8	2.413	-7.899	0	5.1	2.412	-7.899	0
1292	Permanenti portati	3.8	0.813	-2.663	0	5.1	0.813	-2.662	0
1292	Variabile H	3.8	0.452	-1.479	0	5.1	0.452	-1.479	0
1292	Neve	3.8	0.506	-1.657	0	5.1	0.506	-1.657	0
1292	Pesi strutturali	5.1	0.111	-0.364	0	6.3	0.111	-0.364	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
1292	Permanenti portati	5.1	0.037	-0.123	0	6.3	0.038	-0.123	0
1292	Variabile H	5.1	0.021	-0.068	0	6.3	0.021	-0.068	0
1292	Neve	5.1	0.023	-0.076	0	6.3	0.023	-0.076	0
1292	Pesi strutturali	6.3	1.112	-3.641	0	268.4	1.077	-3.526	0
1292	Permanenti portati	6.3	0.375	-1.227	0	268.4	0.363	-1.189	0
1292	Variabile H	6.3	0.208	-0.682	0	268.4	0.202	-0.66	0
1292	Neve	6.3	0.233	-0.764	0	268.4	0.226	-0.74	0

2.4.2 Caratteristiche meccaniche aste

I seguenti dati si riferiscono alle caratteristiche meccaniche delle aste utilizzate dal solutore ad elementi finiti. Normalmente differiscono dalle caratteristiche inerziali delle sezioni definite nel database. Tengono conto dei moltiplicatori inerziali espressi nelle preferenze FEM e di indicazioni tratte dalla bibliografia (SAP 90 Volume I Figura X-8; Belluzzi Vol. 1).

***I.**: numero dell'elemento nell'insieme che lo contiene.*
***Area**: area della sezione trasversale. [cm²]*
***Area 2**: area di taglio per sforzo di taglio nella direzione 2. [cm²]*
***Area 3**: area di taglio per sforzo di taglio nella direzione 3. [cm²]*
***In.2**: momento d'inerzia attorno all'asse locale 2. [cm4]*
***In.3**: momento d'inerzia attorno all'asse locale 3. [cm4]*
***In.tors.**: momento d'inerzia torsionale corretto con il fattore di torsione. [cm4]*
***E**: modulo di elasticità longitudinale. [daN/cm²]*
***G**: modulo di elasticità tangenziale. [daN/cm²]*
***α**: coefficiente di dilatazione termica longitudinale. [°C-1]*
***P.unit.**: peso per unità di lunghezza dell'elemento. [daN/cm]*
***S.fibre**: caratteristiche della sezione a fibre.*
***Sez.corr.**: sezione degli elementi correlati.*
* **Desc.**: descrizione o nome assegnato all'elemento.*
***Mat.corr.**: materiale degli elementi correlati.*
* **Desc.**: descrizione o nome assegnato all'elemento.*

I.	Area	Area 2	Area 3	In.2	In.3	In.tors.	E	G	α	P.unit.	S.fibre	Sez.corr.	Mat.corr.
												Desc.	Desc.
1	2025	1688	1688	341719	341719	5057	289256	131480	0.00001	5.063		R 45x45	RCK300 LC2
2	1200	1000	1000	90000	160000	1899	289256	131480	0.00001	3		R 30x40	RCK300 LC2
3	4500	3750	3750	937500	3037500	24375	289256	131480	0.00001	11.25		R 50x90	RCK300 LC2
4	4980	3150	2125	1945375	2976645	31240	289256	131480	0.00001	12.45		TR (20+20+45)x84	RCK300 LC2
5	13500	11250	11250	25312500	9112500	226719	289256	131480	0.00001	33.75		R 150x90	RCK300 LC2
6	5400	4500	4500	1620000	3645000	37584	289256	131480	0.00001	13.5		R 60x90	RCK300 LC2
7	4050	3375	3375	683438	2733750	18726	289256	131480	0.00001	10.125		R 45x90	RCK300 LC2
8	4500	3750	3750	937500	3037500	24375	289256	131480	0.00001	11.25		R 50x90	RCK300 LC2
9	7650	6375	6375	4605938	5163750	74616	289256	131480	0.00001	19.125		R 85x90	RCK300 LC2
10	8550	7125	7125	6430313	5771250	93069	289256	131480	0.00001	21.375		R 95x90	RCK300 LC2
11	5850	4875	4875	2059688	3948750	44901	289256	131480	0.00001	14.625		R 65x90	RCK300 LC2
12	8100	6750	6750	5467500	5467500	80919	289256	131480	0.00001	20.25		R 90x90	RCK300 LC2
13	900	750	750	67500	67500	999	289256	131480	0.00001	2.25		R 30x30	RCK300 LC2
14	4950	4125	4125	1247813	3341250	30696	289256	131480	0.00001	12.375		R 55x90	RCK300 LC2
15	7200	6000	6000	3840000	4860000	67584	289256	131480	0.00001	18		R 80x90	RCK300 LC2
16	3150	2625	2625	531563	1286250	12651	289256	131480	0.00001	7.875		R 45x70	RCK300 LC2
17	1500	1250	1250	112500	312500	2799	289256	131480	0.00001	3.75		R 30x50	RCK300 LC2
18	2000	1667	1667	266667	416667	5291	289256	131480	0.00001	5		R 40x50	RCK300 LC2
19	1800	1500	1500	135000	540000	3699	289256	131480	0.00001	4.5		R 30x60	RCK300 LC2
20	2000	1667	1667	266667	416667	5291	289256	131480	0.00001	5		R 40x50	RCK300 LC2
21	2925	2438	2438	493594	1029844	11132	289256	131480	0.00001	7.313		R 45x65	RCK300 LC2
22	1600	1333	1333	213333	213333	3157	289256	131480	0.00001	4		R 40x40	RCK300 LC2
23	3200	2667	2667	426667	1706667	11691	289256	131480	0.00001	8		R 40x80	RCK300 LC2
24	2400	2000	2000	320000	720000	7424	289256	131480	0.00001	6		R 40x60	RCK300 LC2
25	2800	2333	2333	373333	1143333	9557	289256	131480	0.00001	7		R 40x70	RCK300 LC2
26	1600	1333	1333	213333	213333	3157	289256	131480	0.00001	4		R 40x40	RCK300 LC2
27	900	750	750	67500	67500	99900	80000	5000	0.00001	0.324		R 30x30	OLD Massic. cl.3
28	900	750	750	67500	67500	99900	80000	5000	0.00001	0.324		R 30x30	OLD Massic. cl.3

2.4.3 Definizioni aste

***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Nodo I**: nodo iniziale.*
***Nodo J**: nodo finale.*
***Nodo K**: nodo che definisce l'asse locale 2.*
***Sezione**: caratteristiche inerziali-meccaniche della sezione.*
* **Indice**: numero dell'elemento nell'insieme che lo contiene.*

Indice	Nodo I	Nodo J	Nodo K	Sezione	Indice	Nodo I	Nodo J	Nodo K	Sezione	Indice	Nodo I	Nodo J	Nodo K	Sezione	Indice	Nodo I	Nodo J	Nodo K	Sezione
				Indice					Indice					Indice					Indice
1	6657	9887	12888	1	2	6650	9880	12888	1	3	6652	9882	12888	1	4	6867	10014	12888	1
5	6866	10013	12888	1	6	6841	9996	12888	1	7	6651	9881	12888	1	8	6586	9863	12888	1
9	6554	9849	12888	1	10	6514	9829	12888	1	11	6518	9831	12888	1	12	6517	9830	12888	1
13	6523	9836	12888	1	14	6553	9848	12888	1	15	6591	9866	12888	1	16	6447	9799	12888	1
17	6478	9813	12888	1	18	6405	9780	12888	1	19	6939	10037	12888	2	20	6769	9983	12891	3
21	6940	10038	12888	2	22	133	148	12889	4	23	148	157	12889	4	24	157	172	12889	4
25	172	186	12889	4	26	186	196	12889	4	27	196	231	12889	4	28	133	134	12889	4
29	134	131	12889	4	30	131	135	12889	4	31	135	132	12889	4	32	132	136	12889	4
33	136	130	12889	4	34	130	137	12889	4	35	137	138	12889	4	36	138	140	12889	4
37	131	149	12889	4	38	149	163	12889	4	39	163	173	12889	4	40	173	187	12889	4
41	187	197	12889	4	42	197	228	12889	4	43	228	255	12889	4	44	255	279	12889	4
45	231	232	12889	4	46	232	228	12889	4	47	228	233	12889	4	48	233	229	12889	4
49	229	234	12889	4	50	234	230	12889	4	51	230	235	12889	4	52	235	236	12889	4
53	236	237	12889	4	54	132	150	12889	4	55	150	164	12889	4	56	164	174	12889	4
57	174	188	12889	4	58	188	198	12889	4	59	198	229	12889	4	60	229	256	12889	4
61	256	281	12889	4	62	281	299	12889	4	63	279	280	12889	4	64	280	281	12889	4

Indice	Nodo I	Nodo J	Nodo K	Sezione Indice	Indice	Nodo I	Nodo J	Nodo K	Sezione Indice	Indice	Nodo I	Nodo J	Nodo K	Sezione Indice	Indice	Nodo I	Nodo J	Nodo K	Sezione Indice
65	181	182	12889	4	66	182	183	12889	4	67	183	185	12889	4	68	158	159	12889	4
69	159	160	12889	4	70	160	162	12889	4	71	230	195	12889	4	72	195	181	12889	4
73	181	171	12889	4	74	171	158	12889	4	75	158	147	12889	4	76	147	130	12889	4
77	130	123	12889	4	78	123	112	12889	4	79	112	105	12889	4	80	105	94	12889	4
81	94	85	12889	4	82	85	66	12889	4	83	230	257	12889	4	84	257	275	12889	4
85	275	300	12889	4	86	76	77	12889	4	87	77	78	12889	4	88	94	95	12889	4
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Indice	Nodo I	Nodo J	Nodo K	Sezione Indice	Indice	Nodo I	Nodo J	Nodo K	Sezione Indice	Indice	Nodo I	Nodo J	Nodo K	Sezione Indice	Indice	Nodo I	Nodo J	Nodo K	Sezione Indice
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745	305	6888	12888	20	746	384	7010	12888	20	747	385	7011	12888	20	748	304	6885	12888	20
749	341	6939	12888	2	750	276	6769	12890	3	751	343	1071	12888	2	752	1071	1473	12888	2
753	1473	1862	12888	2	754	1862	2240	12888	2	755	2240	2617	12888	2	756	2617	2990	12888	2
757	2990	3366	12888	2	758	3366	3751	12888	2	759	3751	4159	12888	2	760	4159	4580	12888	2
761	4580	5266	12888	2	762	5266	5847	12888	2	763	5847	6940	12888	2	764	254	6679	12888	13
765	294	6862	12888	13	766	9836	9848	12889	16	767	9848	9866	12889	16	768	9866	9887	12889	16
769	9887	9880	12889	16	770	9880	9881	12889	16	771	9881	9882	12889	16	772	9882	9883	12889	16
773	9883	9884	12889	16	774	9884	9885	12889	16	775	9885	9888	12889	16	776	9836	9830	12889	16
777	9830	9831	12889	16	778	9831	9829	12889	16	779	9829	9832	12889	16	780	9832	9833	12889	16
781	9833	9834	12889	16	782	9834	9837	12889	16	783	9780	9781	12889	16	784	9781	9782	12889	16
785	9782	9783	12889	16	786	9783	9785	12889	16	787	9799	9800	12889	16	788	9800	9802	12889	16
789	9813	9814	12889	16	790	9814	9816	12889	16	791	9848	9849	12889	16	792	9849	9850	12889	16
793	9850	9852	12889	16	794	9866	9863	12889	16	795	9863	9864	12889	16	796	9864	9867	12889	16
797	9830	9880	12889	16	798	9880	9996	12889	16	799	9831	9879	12889	16	800	9879	9997	12889	16
801	9997	10013	12889	16	802	9780	9799	12889	16	803	9799	9813	12889	16	804	9813	9829	12889	16
805	9829	9849	12889	16	806	9849	9863	12889	16	807	9863	9882	12889	16	808	9882	9982	12889	16
809	9982	10014	12889	16	810	9996	9997	12889	16	811	9997	9998	12889	16	812	9998	9999	12889	16
813	10016	10017	12889	18	814	9984	10015	12889	17	815	10015	10037	12889	17	816	10039	10040	12889	17
817	6406	9781	12888	1	818	6408	9782	12888	1	819	6409	9783	12888	1	820	6403	9784	12888	1
821	6312	9752	12888	1	822	6311	7456	12888	1	823	7456	7622	12888	1	824	7622	7817	12888	1
825	7817	8007	12888	1	826	8007	8162	12888	1	827	8162	8351	12888	1	828	8351	8629	12888	1
829	8629	8920	12888	1	830	8920	9256	12888	1	831	9256	9508	12888	1	832	9508	9747	12888	1
833	6310	9746	12888	1	834	6309	9745	12888	1	835	6308	9744	12888	1	836	6274	7270	12888	1
837	7270	7496	12888	1	838	7496	7679	12888	1	839	7679	7864	12888	1	840	7864	8047	12888	1
841	8047	8237	12888	1	842	8237	8473	12888	1	843	8473	8839	12888	1	844	8839	9157	12888	1
845	9157	9472	12888	1	846	9472	9718	12888	1	847	6275	9719	12888	1	848	6276	9720	12888	1

Indice	Nodo I	Nodo J	Nodo K	Sezione Indice	Indice	Nodo I	Nodo J	Nodo K	Sezione Indice	Indice	Nodo I	Nodo J	Nodo K	Sezione Indice	Indice	Nodo I	Nodo J	Nodo K	Sezione Indice
849	6277	9721	12888	1	850	6449	9800	12888	1	851	6451	9801	12888	1	852	6482	9815	12888	1
853	6480	9814	12888	1	854	6519	9832	12888	1	855	6520	9833	12888	1	856	6521	9834	12888	1
857	6515	9835	12888	1	858	6558	9851	12888	1	859	6556	9850	12888	1	860	6587	9864	12888	1
861	6588	9865	12888	1	862	6656	9886	12888	1	863	6655	9885	12888	1	864	6654	9884	12888	1
865	6653	9883	12888	1	866	6771	7460	12888	1	867	7460	7626	12888	1	868	7626	7821	12888	1
869	7821	8011	12888	1	870	8011	8166	12888	1	871	8166	8355	12888	1	872	8355	8633	12888	1
873	8633	8924	12888	1	874	8924	9260	12888	1	875	9260	9512	12888	1	876	9512	9992	12888	1
877	6772	10000	12888	1	878	6773	10001	12888	1	879	6774	10002	12888	1	880	6775	10003	12888	1
881	6776	10004	12888	1	882	6777	10005	12888	1	883	6778	9993	12888	1	884	6779	9994	12888	1
885	6840	9995	12888	1	886	6901	10029	12888	1	887	6973	10063	12888	1	888	7050	10096	12888	1
889	7224	10150	12888	1	890	7223	10149	12888	1	891	7222	10148	12888	1	892	7221	10147	12888	1
893	7220	10146	12888	1	894	7219	10145	12888	1	895	6900	10028	12888	1	896	6972	10062	12888	1
897	7032	10085	12888	1	898	7047	10095	12888	1	899	7044	10093	12888	1	900	7042	10092	12888	1
901	7039	10090	12888	1	902	7263	10161	12888	1	903	7262	10160	12888	1	904	7261	10159	12888	1
905	6899	10027	12888	1	906	6971	10061	12888	1	907	7054	10102	12888	21	908	7053	10101	12888	21
909	7027	10089	12888	1	910	7038	10088	12888	1	911	6970	10060	12888	1	912	6905	10034	12888	1
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917	7214	10140	12888	1	918	7216	10142	12888	1	919	7215	10141	12888	1	920	7218	10144	12888	1
921	7217	10143	12888	1	922	7203	10119	12888	21	923	7204	10120	12888	21	924	7027	7140	12889	17
925	7219	7251	12889	17	926	9969	10085	12889	16	927	10085	10149	12889	16	928	9962	10095	12889	16
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937	10092	10145	12889	16	938	10145	10160	12889	16	939	9931	10027	12889	16	940	10027	10061	12889	16
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953	9753	9746	12889	16	954	9746	9745	12889	16	955	9745	9744	12889	16	956	9777	9738	12889	16
957	9746	9783	12889	16	958	9783	9834	12889	16	959	9834	9885	12889	16	960	9885	9896	12889	16
961	9896	10011	12889	16	962	10011	10033	12889	16	963	10033	10059	12889	16	964	10059	10087	12889	16
965	10087	10140	12889	16	966	10140	10154	12889	16	967	6845	9999	12888	1	968	285	6845	12888	1
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973	9814	9832	12889	16	974	9832	9850	12889	16	975	9850	9864	12889	16	976	9864	9883	12889	16
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1029	9817	12470	12888	22	1030	9786	12437	12888	22	1031	10006	12643	12892	23	1032	10007	12644	12888	2
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Indice	Nodo I	Nodo J	Nodo K	Sezione Indice	Indice	Nodo I	Nodo J	Nodo K	Sezione Indice	Indice	Nodo I	Nodo J	Nodo K	Sezione Indice	Indice	Nodo I	Nodo J	Nodo K	Sezione Indice
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1245	12830	12800	12889	27	1246	12791	12845	12889	27	1247	12845	12801	12889	27	1248	12359	12802	12889	27
1249	12802	12834	12889	27	1250	12855	12803	12889	27	1251	12790	12852	12889	27	1252	12836	12805	12889	27
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1273	12869	12866	12889	27	1274	12866	12865	12889	27	1275	12865	12864	12889	27	1276	12864	12862	12889	27
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1301	12693	12875	12888	28	1302	12665	12825	12888	28	1303	12669	12868	12888	28	1304	12662	12826	12888	28
1305	12639	12867	12888	28	1306	12540	12865	12888	28	1307	12517	12863	12888	28	1308	12501	12862	12888	28
1309	12488	12861	12888	28	1310	12469	12859	12888	28	1311	12449	12857	12888	28	1312	655	656	12889	6
1313	656	657	12889	6	1314	657	658	12889	6	1315	658	659	12889	6	1316	659	660	12889	6
1317	660	661	12889	6	1318	661	662	12889	6	1319	662	663	12889	6	1320	663	664	12889	6
1321	664	665	12889	6	1322	665	666	12889	6	1323	666	667	12889	6	1324	667	668	12889	6
1325	668	669	12889	6	1326	669	670	12889	6	1327	670	671	12889	6	1328	671	672	12889	6
1329	672	673	12889	6	1330	673	654	12889	6	1331	654	652	12889	6	1332	652	650	12889	6
1333	650	648	12889	6	1334	648	646	12889	6	1335	646	644	12889	6	1336	644	642	12889	6
1337	642	638	12889	6	1338	638	520	12889	6	1339	655	653	12889	6	1340	653	651	12889	6
1341	651	649	12889	6	1342	649	647	12889	6	1343	647	645	12889	6	1344	645	643	12889	6
1345	643	641	12889	6	1346	641	637	12889	6	1347	637	503	12889	6	1348	9782	12435	12888	1
1349	9783	12436	12888	1															

2.5 Masse

***Nodo**: nodo su cui è applicata la massa.*
***Massa X**: massa per la componente di spostamento lungo l'asse X. [daN/(cm/s²)]*
***Massa Y**: massa per la componente di spostamento lungo l'asse Y. [daN/(cm/s²)]*
***Massa Z**: massa per la componente di spostamento lungo l'asse Z. [daN/(cm/s²)]*
***Momento Z**: massa momento d'inerzia per la componente di rotazione attorno all'asse Z. [[daN/(cm/s²)]*cm²]*

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
7486	0.042	0.042	0	0	7487	0.041	0.041	0	0
7488	0.059	0.059	0	0	7489	0.049	0.049	0	0
7490	0.05	0.05	0	0	7491	0.059	0.059	0	0
7492	0.086	0.086	0	0	7493	0.054	0.054	0	0
7494	0.054	0.054	0	0	7495	0.08	0.08	0	0
7496	0.199	0.199	0	0	7497	0.071	0.071	0	0
7498	0.101	0.101	0	0	7499	0.144	0.144	0	0
7500	0.146	0.146	0	0	7501	0.143	0.143	0	0
7502	0.156	0.156	0	0	7503	0.151	0.151	0	0
7504	0.196	0.196	0	0	7505	0.114	0.114	0	0
7506	0.081	0.081	0	0	7507	0.174	0.174	0	0
7508	0.107	0.107	0	0	7509	0.053	0.053	0	0
7510	0.077	0.077	0	0	7511	0.077	0.077	0	0
7512	0.081	0.081	0	0	7513	0.087	0.087	0	0
7514	0.065	0.065	0	0	7515	0.079	0.079	0	0
7516	0.068	0.068	0	0	7517	0.085	0.085	0	0
7518	0.069	0.069	0	0	7519	0.087	0.087	0	0
7520	0.066	0.066	0	0	7521	0.071	0.071	0	0
7522	0.074	0.074	0	0	7523	0.07	0.07	0	0
7524	0.105	0.105	0	0	7525	0.076	0.076	0	0
7526	0.083	0.083	0	0	7527	0.082	0.082	0	0
7528	0.073	0.073	0	0	7529	0.076	0.076	0	0
7530	0.072	0.072	0	0	7531	0.068	0.068	0	0
7532	0.063	0.063	0	0	7533	0.063	0.063	0	0
7534	0.093	0.093	0	0	7535	0.078	0.078	0	0
7536	0.073	0.073	0	0	7537	0.078	0.078	0	0
7538	0.092	0.092	0	0	7539	0.091	0.091	0	0
7540	0.078	0.078	0	0	7541	0.076	0.076	0	0
7542	0.061	0.061	0	0	7543	0.142	0.142	0	0
7544	0.164	0.164	0	0	7545	0.159	0.159	0	0
7546	0.137	0.137	0	0	7547	0.134	0.134	0	0
7548	0.132	0.132	0	0	7549	0.157	0.157	0	0
7550	0.156	0.156	0	0	7551	0.153	0.153	0	0
7552	0.14	0.14	0	0	7553	0.149	0.149	0	0
7554	0.141	0.141	0	0	7555	0.154	0.154	0	0
7556	0.143	0.143	0	0	7557	0.139	0.139	0	0
7558	0.143	0.143	0	0	7559	0.154	0.154	0	0
7560	0.063	0.063	0	0	7561	0.126	0.126	0	0
7562	0.063	0.063	0	0	7563	0.126	0.126	0	0
7564	0.214	0.214	0	0	7565	0.122	0.122	0	0
7566	0.155	0.155	0	0	7567	0.155	0.155	0	0
7568	0.158	0.158	0	0	7569	0.085	0.085	0	0
7570	0.092	0.092	0	0	7571	0.158	0.158	0	0
7572	0.159	0.159	0	0	7573	0.16	0.16	0	0
7574	0.234	0.234	0	0	7575	0.159	0.159	0	0
7576	0.162	0.162	0	0	7577	0.143	0.143	0	0
7578	0.173	0.173	0	0	7579	0.141	0.141	0	0
7580	0.2	0.2	0	0	7581	0.159	0.159	0	0
7582	0.164	0.164	0	0	7583	0.138	0.138	0	0
7584	0.161	0.161	0	0	7585	0.165	0.165	0	0
7586	0.208	0.208	0	0	7587	0.148	0.148	0	0
7588	0.161	0.161	0	0	7589	0.165	0.165	0	0
7590	0.228	0.228	0	0	7591	0.164	0.164	0	0
7592	0.171	0.171	0	0	7593	0.122	0.122	0	0
7594	0.157	0.157	0	0	7595	0.166	0.166	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
7596	0.17	0.17	0	0	7597	0.178	0.178	0	0
7598	0.17	0.17	0	0	7599	0.13	0.13	0	0
7600	0.12	0.12	0	0	7601	0.17	0.17	0	0
7602	0.226	0.226	0	0	7603	0.17	0.17	0	0
7604	0.17	0.17	0	0	7605	0.155	0.155	0	0
7606	0.17	0.17	0	0	7607	0.17	0.17	0	0
7608	0.165	0.165	0	0	7609	0.171	0.171	0	0
7610	0.225	0.225	0	0	7611	0.171	0.171	0	0
7612	0.106	0.106	0	0	7613	0.171	0.171	0	0
7614	0.151	0.151	0	0	7615	0.078	0.078	0	0
7616	0.171	0.171	0	0	7617	0.167	0.167	0	0
7618	0.171	0.171	0	0	7619	0.171	0.171	0	0
7620	0.111	0.111	0	0	7621	0.17	0.17	0	0
7622	0.202	0.202	0	0	7623	0.187	0.187	0	0
7624	0.176	0.176	0	0	7625	0.161	0.161	0	0
7626	0.202	0.202	0	0	7627	0.071	0.071	0	0
7628	0.088	0.088	0	0	7629	0.186	0.186	0	0
7630	0.168	0.168	0	0	7631	0.166	0.166	0	0
7632	0.164	0.164	0	0	7633	0.163	0.163	0	0
7634	0.162	0.162	0	0	7635	0.161	0.161	0	0
7636	0.159	0.159	0	0	7637	0.158	0.158	0	0
7638	0.171	0.171	0	0	7639	0.157	0.157	0	0
7640	0.155	0.155	0	0	7641	0.156	0.156	0	0
7642	0.171	0.171	0	0	7643	0.161	0.161	0	0
7644	0.166	0.166	0	0	7645	0.169	0.169	0	0
7646	0.117	0.117	0	0	7647	0.155	0.155	0	0
7648	0.078	0.078	0	0	7649	0.174	0.174	0	0
7650	0.144	0.144	0	0	7651	0.161	0.161	0	0
7652	0.155	0.155	0	0	7653	0.164	0.164	0	0
7654	0.156	0.156	0	0	7655	0.176	0.176	0	0
7656	0.165	0.165	0	0	7657	0.148	0.148	0	0
7658	0.072	0.072	0	0	7659	0.071	0.071	0	0
7660	0.152	0.152	0	0	7661	0.071	0.071	0	0
7662	0.077	0.077	0	0	7663	0.067	0.067	0	0
7664	0.054	0.054	0	0	7665	0.062	0.062	0	0
7666	0.039	0.039	0	0	7667	0.037	0.037	0	0
7668	0.043	0.043	0	0	7669	0.038	0.038	0	0
7670	0.042	0.042	0	0	7671	0.036	0.036	0	0
7672	0.041	0.041	0	0	7673	0.051	0.051	0	0
7674	0.042	0.042	0	0	7675	0.053	0.053	0	0
7676	0.054	0.054	0	0	7677	0.054	0.054	0	0
7678	0.081	0.081	0	0	7679	0.199	0.199	0	0
7680	0.071	0.071	0	0	7681	0.101	0.101	0	0
7682	0.162	0.162	0	0	7683	0.147	0.147	0	0
7684	0.087	0.087	0	0	7685	0.158	0.158	0	0
7686	0.146	0.146	0	0	7687	0.155	0.155	0	0
7688	0.152	0.152	0	0	7689	0.145	0.145	0	0
7690	0.162	0.162	0	0	7691	0.141	0.141	0	0
7692	0.156	0.156	0	0	7693	0.138	0.138	0	0
7694	0.146	0.146	0	0	7695	0.141	0.141	0	0
7696	0.128	0.128	0	0	7697	0.197	0.197	0	0
7698	0.114	0.114	0	0	7699	0.081	0.081	0	0
7700	0.173	0.173	0	0	7701	0.107	0.107	0	0
7702	0.053	0.053	0	0	7703	0.077	0.077	0	0
7704	0.079	0.079	0	0	7705	0.064	0.064	0	0
7706	0.066	0.066	0	0	7707	0.068	0.068	0	0
7708	0.076	0.076	0	0	7709	0.072	0.072	0	0
7710	0.083	0.083	0	0	7711	0.058	0.058	0	0
7712	0.064	0.064	0	0	7713	0.067	0.067	0	0
7714	0.072	0.072	0	0	7715	0.061	0.061	0	0
7716	0.058	0.058	0	0	7717	0.105	0.105	0	0
7718	0.075	0.075	0	0	7719	0.061	0.061	0	0
7720	0.062	0.062	0	0	7721	0.063	0.063	0	0
7722	0.064	0.064	0	0	7723	0.072	0.072	0	0
7724	0.068	0.068	0	0	7725	0.054	0.054	0	0
7726	0.054	0.054	0	0	7727	0.068	0.068	0	0
7728	0.065	0.065	0	0	7729	0.075	0.075	0	0
7730	0.076	0.076	0	0	7731	0.068	0.068	0	0
7732	0.069	0.069	0	0	7733	0.077	0.077	0	0
7734	0.078	0.078	0	0	7735	0.052	0.052	0	0
7736	0.149	0.149	0	0	7737	0.144	0.144	0	0
7738	0.146	0.146	0	0	7739	0.152	0.152	0	0
7740	0.063	0.063	0	0	7741	0.148	0.148	0	0
7742	0.163	0.163	0	0	7743	0.159	0.159	0	0
7744	0.156	0.156	0	0	7745	0.15	0.15	0	0
7746	0.115	0.115	0	0	7747	0.161	0.161	0	0
7748	0.122	0.122	0	0	7749	0.167	0.167	0	0
7750	0.162	0.162	0	0	7751	0.163	0.163	0	0
7752	0.165	0.165	0	0	7753	0.236	0.236	0	0
7754	0.165	0.165	0	0	7755	0.163	0.163	0	0
7756	0.16	0.16	0	0	7757	0.166	0.166	0	0
7758	0.165	0.165	0	0	7759	0.107	0.107	0	0
7760	0.163	0.163	0	0	7761	0.163	0.163	0	0
7762	0.169	0.169	0	0	7763	0.165	0.165	0	0
7764	0.107	0.107	0	0	7765	0.142	0.142	0	0
7766	0.201	0.201	0	0	7767	0.164	0.164	0	0
7768	0.102	0.102	0	0	7769	0.063	0.063	0	0
7770	0.126	0.126	0	0	7771	0.063	0.063	0	0
7772	0.126	0.126	0	0	7773	0.215	0.215	0	0
7774	0.231	0.231	0	0	7775	0.209	0.209	0	0
7776	0.148	0.148	0	0	7777	0.107	0.107	0	0
7778	0.098	0.098	0	0	7779	0.158	0.158	0	0
7780	0.176	0.176	0	0	7781	0.112	0.112	0	0
7782	0.175	0.175	0	0	7783	0.086	0.086	0	0
7784	0.092	0.092	0	0	7785	0.228	0.228	0	0
7786	0.112	0.112	0	0	7787	0.174	0.174	0	0
7788	0.174	0.174	0	0	7789	0.106	0.106	0	0
7790	0.156	0.156	0	0	7791	0.173	0.173	0	0
7792	0.091	0.091	0	0	7793	0.173	0.173	0	0
7794	0.173	0.173	0	0	7795	0.173	0.173	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
7796	0.113	0.113	0	0	7797	0.113	0.113	0	0
7798	0.17	0.17	0	0	7799	0.122	0.122	0	0
7800	0.172	0.172	0	0	7801	0.179	0.179	0	0
7802	0.227	0.227	0	0	7803	0.113	0.113	0	0
7804	0.1	0.1	0	0	7805	0.172	0.172	0	0
7806	0.154	0.154	0	0	7807	0.172	0.172	0	0
7808	0.108	0.108	0	0	7809	0.172	0.172	0	0
7810	0.172	0.172	0	0	7811	0.092	0.092	0	0
7812	0.115	0.115	0	0	7813	0.168	0.168	0	0
7814	0.171	0.171	0	0	7815	0.125	0.125	0	0
7816	0.171	0.171	0	0	7817	0.202	0.202	0	0
7818	0.19	0.19	0	0	7819	0.177	0.177	0	0
7820	0.145	0.145	0	0	7821	0.202	0.202	0	0
7822	0.071	0.071	0	0	7823	0.088	0.088	0	0
7824	0.186	0.186	0	0	7825	0.167	0.167	0	0
7826	0.165	0.165	0	0	7827	0.093	0.093	0	0
7828	0.164	0.164	0	0	7829	0.163	0.163	0	0
7830	0.168	0.168	0	0	7831	0.162	0.162	0	0
7832	0.161	0.161	0	0	7833	0.159	0.159	0	0
7834	0.158	0.158	0	0	7835	0.158	0.158	0	0
7836	0.157	0.157	0	0	7837	0.169	0.169	0	0
7838	0.159	0.159	0	0	7839	0.162	0.162	0	0
7840	0.165	0.165	0	0	7841	0.17	0.17	0	0
7842	0.168	0.168	0	0	7843	0.169	0.169	0	0
7844	0.09	0.09	0	0	7845	0.072	0.072	0	0
7846	0.07	0.07	0	0	7847	0.075	0.075	0	0
7848	0.079	0.079	0	0	7849	0.07	0.07	0	0
7850	0.063	0.063	0	0	7851	0.08	0.08	0	0
7852	0.086	0.086	0	0	7853	0.065	0.065	0	0
7854	0.074	0.074	0	0	7855	0.075	0.075	0	0
7856	0.075	0.075	0	0	7857	0.075	0.075	0	0
7858	0.118	0.118	0	0	7859	0.084	0.084	0	0
7860	0.092	0.092	0	0	7861	0.054	0.054	0	0
7862	0.054	0.054	0	0	7863	0.081	0.081	0	0
7864	0.199	0.199	0	0	7865	0.163	0.163	0	0
7866	0.071	0.071	0	0	7867	0.101	0.101	0	0
7868	0.164	0.164	0	0	7869	0.159	0.159	0	0
7870	0.118	0.118	0	0	7871	0.158	0.158	0	0
7872	0.15	0.15	0	0	7873	0.165	0.165	0	0
7874	0.116	0.116	0	0	7875	0.147	0.147	0	0
7876	0.117	0.117	0	0	7877	0.122	0.122	0	0
7878	0.154	0.154	0	0	7879	0.146	0.146	0	0
7880	0.166	0.166	0	0	7881	0.113	0.113	0	0
7882	0.156	0.156	0	0	7883	0.147	0.147	0	0
7884	0.143	0.143	0	0	7885	0.138	0.138	0	0
7886	0.166	0.166	0	0	7887	0.099	0.099	0	0
7888	0.197	0.197	0	0	7889	0.114	0.114	0	0
7890	0.08	0.08	0	0	7891	0.173	0.173	0	0
7892	0.107	0.107	0	0	7893	0.053	0.053	0	0
7894	0.077	0.077	0	0	7895	0.078	0.078	0	0
7896	0.056	0.056	0	0	7897	0.055	0.055	0	0
7898	0.071	0.071	0	0	7899	0.074	0.074	0	0
7900	0.072	0.072	0	0	7901	0.081	0.081	0	0
7902	0.054	0.054	0	0	7903	0.054	0.054	0	0
7904	0.068	0.068	0	0	7905	0.07	0.07	0	0
7906	0.054	0.054	0	0	7907	0.054	0.054	0	0
7908	0.105	0.105	0	0	7909	0.075	0.075	0	0
7910	0.051	0.051	0	0	7911	0.053	0.053	0	0
7912	0.058	0.058	0	0	7913	0.06	0.06	0	0
7914	0.071	0.071	0	0	7915	0.07	0.07	0	0
7916	0.051	0.051	0	0	7917	0.05	0.05	0	0
7918	0.058	0.058	0	0	7919	0.062	0.062	0	0
7920	0.075	0.075	0	0	7921	0.077	0.077	0	0
7922	0.058	0.058	0	0	7923	0.059	0.059	0	0
7924	0.074	0.074	0	0	7925	0.08	0.08	0	0
7926	0.05	0.05	0	0	7927	0.101	0.101	0	0
7928	0.166	0.166	0	0	7929	0.165	0.165	0	0
7930	0.147	0.147	0	0	7931	0.112	0.112	0	0
7932	0.102	0.102	0	0	7933	0.166	0.166	0	0
7934	0.147	0.147	0	0	7935	0.165	0.165	0	0
7936	0.099	0.099	0	0	7937	0.165	0.165	0	0
7938	0.099	0.099	0	0	7939	0.154	0.154	0	0
7940	0.102	0.102	0	0	7941	0.1	0.1	0	0
7942	0.104	0.104	0	0	7943	0.098	0.098	0	0
7944	0.092	0.092	0	0	7945	0.142	0.142	0	0
7946	0.202	0.202	0	0	7947	0.237	0.237	0	0
7948	0.106	0.106	0	0	7949	0.105	0.105	0	0
7950	0.157	0.157	0	0	7951	0.087	0.087	0	0
7952	0.16	0.16	0	0	7953	0.131	0.131	0	0
7954	0.102	0.102	0	0	7955	0.099	0.099	0	0
7956	0.1	0.1	0	0	7957	0.156	0.156	0	0
7958	0.088	0.088	0	0	7959	0.111	0.111	0	0
7960	0.156	0.156	0	0	7961	0.106	0.106	0	0
7962	0.104	0.104	0	0	7963	0.11	0.11	0	0
7964	0.163	0.163	0	0	7965	0.098	0.098	0	0
7966	0.106	0.106	0	0	7967	0.233	0.233	0	0
7968	0.155	0.155	0	0	7969	0.165	0.165	0	0
7970	0.158	0.158	0	0	7971	0.149	0.149	0	0
7972	0.209	0.209	0	0	7973	0.169	0.169	0	0
7974	0.177	0.177	0	0	7975	0.104	0.104	0	0
7976	0.096	0.096	0	0	7977	0.23	0.23	0	0
7978	0.094	0.094	0	0	7979	0.174	0.174	0	0
7980	0.096	0.096	0	0	7981	0.156	0.156	0	0
7982	0.099	0.099	0	0	7983	0.063	0.063	0	0
7984	0.126	0.126	0	0	7985	0.063	0.063	0	0
7986	0.126	0.126	0	0	7987	0.215	0.215	0	0
7988	0.133	0.133	0	0	7989	0.178	0.178	0	0
7990	0.228	0.228	0	0	7991	0.177	0.177	0	0
7992	0.155	0.155	0	0	7993	0.176	0.176	0	0
7994	0.176	0.176	0	0	7995	0.175	0.175	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
7996	0.092	0.092	0	0	7997	0.175	0.175	0	0
7998	0.175	0.175	0	0	7999	0.174	0.174	0	0
8000	0.174	0.174	0	0	8001	0.173	0.173	0	0
8002	0.173	0.173	0	0	8003	0.172	0.172	0	0
8004	0.172	0.172	0	0	8005	0.172	0.172	0	0
8006	0.171	0.171	0	0	8007	0.202	0.202	0	0
8008	0.191	0.191	0	0	8009	0.178	0.178	0	0
8010	0.137	0.137	0	0	8011	0.202	0.202	0	0
8012	0.071	0.071	0	0	8013	0.088	0.088	0	0
8014	0.186	0.186	0	0	8015	0.166	0.166	0	0
8016	0.165	0.165	0	0	8017	0.164	0.164	0	0
8018	0.163	0.163	0	0	8019	0.177	0.177	0	0
8020	0.162	0.162	0	0	8021	0.161	0.161	0	0
8022	0.16	0.16	0	0	8023	0.159	0.159	0	0
8024	0.18	0.18	0	0	8025	0.158	0.158	0	0
8026	0.158	0.158	0	0	8027	0.177	0.177	0	0
8028	0.16	0.16	0	0	8029	0.162	0.162	0	0
8030	0.165	0.165	0	0	8031	0.167	0.167	0	0
8032	0.168	0.168	0	0	8033	0.087	0.087	0	0
8034	0.092	0.092	0	0	8035	0.169	0.169	0	0
8036	0.185	0.185	0	0	8037	0.169	0.169	0	0
8038	0.171	0.171	0	0	8039	0.169	0.169	0	0
8040	0.169	0.169	0	0	8041	0.107	0.107	0	0
8042	0.097	0.097	0	0	8043	0.096	0.096	0	0
8044	0.054	0.054	0	0	8045	0.054	0.054	0	0
8046	0.082	0.082	0	0	8047	0.199	0.199	0	0
8048	0.164	0.164	0	0	8049	0.12	0.12	0	0
8050	0.165	0.165	0	0	8051	0.12	0.12	0	0
8052	0.071	0.071	0	0	8053	0.101	0.101	0	0
8054	0.109	0.109	0	0	8055	0.166	0.166	0	0
8056	0.118	0.118	0	0	8057	0.16	0.16	0	0
8058	0.116	0.116	0	0	8059	0.103	0.103	0	0
8060	0.157	0.157	0	0	8061	0.149	0.149	0	0
8062	0.167	0.167	0	0	8063	0.103	0.103	0	0
8064	0.104	0.104	0	0	8065	0.096	0.096	0	0
8066	0.145	0.145	0	0	8067	0.096	0.096	0	0
8068	0.102	0.102	0	0	8069	0.11	0.11	0	0
8070	0.168	0.168	0	0	8071	0.11	0.11	0	0
8072	0.11	0.11	0	0	8073	0.097	0.097	0	0
8074	0.107	0.107	0	0	8075	0.11	0.11	0	0
8076	0.106	0.106	0	0	8077	0.125	0.125	0	0
8078	0.104	0.104	0	0	8079	0.097	0.097	0	0
8080	0.104	0.104	0	0	8081	0.101	0.101	0	0
8082	0.168	0.168	0	0	8083	0.107	0.107	0	0
8084	0.111	0.111	0	0	8085	0.106	0.106	0	0
8086	0.107	0.107	0	0	8087	0.105	0.105	0	0
8088	0.107	0.107	0	0	8089	0.167	0.167	0	0
8090	0.099	0.099	0	0	8091	0.1	0.1	0	0
8092	0.156	0.156	0	0	8093	0.166	0.166	0	0
8094	0.114	0.114	0	0	8095	0.132	0.132	0	0
8096	0.104	0.104	0	0	8097	0.166	0.166	0	0
8098	0.148	0.148	0	0	8099	0.159	0.159	0	0
8100	0.166	0.166	0	0	8101	0.198	0.198	0	0
8102	0.114	0.114	0	0	8103	0.08	0.08	0	0
8104	0.173	0.173	0	0	8105	0.107	0.107	0	0
8106	0.053	0.053	0	0	8107	0.073	0.073	0	0
8108	0.071	0.071	0	0	8109	0.052	0.052	0	0
8110	0.051	0.051	0	0	8111	0.07	0.07	0	0
8112	0.071	0.071	0	0	8113	0.066	0.066	0	0
8114	0.077	0.077	0	0	8115	0.052	0.052	0	0
8116	0.051	0.051	0	0	8117	0.069	0.069	0	0
8118	0.066	0.066	0	0	8119	0.05	0.05	0	0
8120	0.054	0.054	0	0	8121	0.105	0.105	0	0
8122	0.075	0.075	0	0	8123	0.048	0.048	0	0
8124	0.05	0.05	0	0	8125	0.057	0.057	0	0
8126	0.059	0.059	0	0	8127	0.071	0.071	0	0
8128	0.071	0.071	0	0	8129	0.049	0.049	0	0
8130	0.05	0.05	0	0	8131	0.053	0.053	0	0
8132	0.057	0.057	0	0	8133	0.075	0.075	0	0
8134	0.077	0.077	0	0	8135	0.054	0.054	0	0
8136	0.057	0.057	0	0	8137	0.066	0.066	0	0
8138	0.078	0.078	0	0	8139	0.05	0.05	0	0
8140	0.147	0.147	0	0	8141	0.142	0.142	0	0
8142	0.202	0.202	0	0	8143	0.108	0.108	0	0
8144	0.107	0.107	0	0	8145	0.109	0.109	0	0
8146	0.237	0.237	0	0	8147	0.159	0.159	0	0
8148	0.137	0.137	0	0	8149	0.146	0.146	0	0
8150	0.114	0.114	0	0	8151	0.234	0.234	0	0
8152	0.158	0.158	0	0	8153	0.209	0.209	0	0
8154	0.151	0.151	0	0	8155	0.231	0.231	0	0
8156	0.158	0.158	0	0	8157	0.157	0.157	0	0
8158	0.153	0.153	0	0	8159	0.229	0.229	0	0
8160	0.156	0.156	0	0	8161	0.136	0.136	0	0
8162	0.202	0.202	0	0	8163	0.191	0.191	0	0
8164	0.179	0.179	0	0	8165	0.135	0.135	0	0
8166	0.202	0.202	0	0	8167	0.071	0.071	0	0
8168	0.088	0.088	0	0	8169	0.186	0.186	0	0
8170	0.166	0.166	0	0	8171	0.171	0.171	0	0
8172	0.142	0.142	0	0	8173	0.165	0.165	0	0
8174	0.172	0.172	0	0	8175	0.151	0.151	0	0
8176	0.164	0.164	0	0	8177	0.172	0.172	0	0
8178	0.163	0.163	0	0	8179	0.173	0.173	0	0
8180	0.162	0.162	0	0	8181	0.161	0.161	0	0
8182	0.173	0.173	0	0	8183	0.16	0.16	0	0
8184	0.174	0.174	0	0	8185	0.159	0.159	0	0
8186	0.174	0.174	0	0	8187	0.158	0.158	0	0
8188	0.175	0.175	0	0	8189	0.159	0.159	0	0
8190	0.16	0.16	0	0	8191	0.175	0.175	0	0
8192	0.162	0.162	0	0	8193	0.176	0.176	0	0
8194	0.164	0.164	0	0	8195	0.176	0.176	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
8196	0.166	0.166	0	0	8197	0.177	0.177	0	0
8198	0.177	0.177	0	0	8199	0.168	0.168	0	0
8200	0.178	0.178	0	0	8201	0.179	0.179	0	0
8202	0.169	0.169	0	0	8203	0.063	0.063	0	0
8204	0.126	0.126	0	0	8205	0.063	0.063	0	0
8206	0.126	0.126	0	0	8207	0.216	0.216	0	0
8208	0.154	0.154	0	0	8209	0.169	0.169	0	0
8210	0.169	0.169	0	0	8211	0.18	0.18	0	0
8212	0.169	0.169	0	0	8213	0.169	0.169	0	0
8214	0.169	0.169	0	0	8215	0.175	0.175	0	0
8216	0.171	0.171	0	0	8217	0.145	0.145	0	0
8218	0.126	0.126	0	0	8219	0.087	0.087	0	0
8220	0.092	0.092	0	0	8221	0.102	0.102	0	0
8222	0.197	0.197	0	0	8223	0.195	0.195	0	0
8224	0.185	0.185	0	0	8225	0.099	0.099	0	0
8226	0.044	0.044	0	0	8227	0.052	0.052	0	0
8228	0.096	0.096	0	0	8229	0.066	0.066	0	0
8230	0.074	0.074	0	0	8231	0.082	0.082	0	0
8232	0.079	0.079	0	0	8233	0.077	0.077	0	0
8234	0.054	0.054	0	0	8235	0.054	0.054	0	0
8236	0.081	0.081	0	0	8237	0.199	0.199	0	0
8238	0.117	0.117	0	0	8239	0.092	0.092	0	0
8240	0.094	0.094	0	0	8241	0.117	0.117	0	0
8242	0.165	0.165	0	0	8243	0.093	0.093	0	0
8244	0.113	0.113	0	0	8245	0.095	0.095	0	0
8246	0.167	0.167	0	0	8247	0.071	0.071	0	0
8248	0.102	0.102	0	0	8249	0.093	0.093	0	0
8250	0.112	0.112	0	0	8251	0.107	0.107	0	0
8252	0.113	0.113	0	0	8253	0.168	0.168	0	0
8254	0.092	0.092	0	0	8255	0.106	0.106	0	0
8256	0.117	0.117	0	0	8257	0.104	0.104	0	0
8258	0.091	0.091	0	0	8259	0.094	0.094	0	0
8260	0.108	0.108	0	0	8261	0.093	0.093	0	0
8262	0.1	0.1	0	0	8263	0.169	0.169	0	0
8264	0.095	0.095	0	0	8265	0.095	0.095	0	0
8266	0.098	0.098	0	0	8267	0.099	0.099	0	0
8268	0.094	0.094	0	0	8269	0.092	0.092	0	0
8270	0.108	0.108	0	0	8271	0.17	0.17	0	0
8272	0.098	0.098	0	0	8273	0.169	0.169	0	0
8274	0.108	0.108	0	0	8275	0.097	0.097	0	0
8276	0.103	0.103	0	0	8277	0.1	0.1	0	0
8278	0.168	0.168	0	0	8279	0.099	0.099	0	0
8280	0.075	0.075	0	0	8281	0.096	0.096	0	0
8282	0.101	0.101	0	0	8283	0.167	0.167	0	0
8284	0.095	0.095	0	0	8285	0.096	0.096	0	0
8286	0.115	0.115	0	0	8287	0.142	0.142	0	0
8288	0.202	0.202	0	0	8289	0.166	0.166	0	0
8290	0.112	0.112	0	0	8291	0.166	0.166	0	0
8292	0.076	0.076	0	0	8293	0.198	0.198	0	0
8294	0.114	0.114	0	0	8295	0.08	0.08	0	0
8296	0.172	0.172	0	0	8297	0.107	0.107	0	0
8298	0.053	0.053	0	0	8299	0.067	0.067	0	0
8300	0.056	0.056	0	0	8301	0.05	0.05	0	0
8302	0.048	0.048	0	0	8303	0.063	0.063	0	0
8304	0.062	0.062	0	0	8305	0.054	0.054	0	0
8306	0.063	0.063	0	0	8307	0.049	0.049	0	0
8308	0.049	0.049	0	0	8309	0.068	0.068	0	0
8310	0.056	0.056	0	0	8311	0.048	0.048	0	0
8312	0.055	0.055	0	0	8313	0.105	0.105	0	0
8314	0.075	0.075	0	0	8315	0.047	0.047	0	0
8316	0.048	0.048	0	0	8317	0.056	0.056	0	0
8318	0.058	0.058	0	0	8319	0.065	0.065	0	0
8320	0.066	0.066	0	0	8321	0.047	0.047	0	0
8322	0.047	0.047	0	0	8323	0.051	0.051	0	0
8324	0.049	0.049	0	0	8325	0.069	0.069	0	0
8326	0.071	0.071	0	0	8327	0.057	0.057	0	0
8328	0.057	0.057	0	0	8329	0.052	0.052	0	0
8330	0.064	0.064	0	0	8331	0.05	0.05	0	0
8332	0.111	0.111	0	0	8333	0.119	0.119	0	0
8334	0.236	0.236	0	0	8335	0.159	0.159	0	0
8336	0.138	0.138	0	0	8337	0.234	0.234	0	0
8338	0.158	0.158	0	0	8339	0.077	0.077	0	0
8340	0.209	0.209	0	0	8341	0.094	0.094	0	0
8342	0.231	0.231	0	0	8343	0.157	0.157	0	0
8344	0.13	0.13	0	0	8345	0.135	0.135	0	0
8346	0.119	0.119	0	0	8347	0.129	0.129	0	0
8348	0.229	0.229	0	0	8349	0.122	0.122	0	0
8350	0.156	0.156	0	0	8351	0.202	0.202	0	0
8352	0.192	0.192	0	0	8353	0.182	0.182	0	0
8354	0.135	0.135	0	0	8355	0.202	0.202	0	0
8356	0.072	0.072	0	0	8357	0.088	0.088	0	0
8358	0.186	0.186	0	0	8359	0.165	0.165	0	0
8360	0.165	0.165	0	0	8361	0.171	0.171	0	0
8362	0.164	0.164	0	0	8363	0.163	0.163	0	0
8364	0.162	0.162	0	0	8365	0.172	0.172	0	0
8366	0.161	0.161	0	0	8367	0.158	0.158	0	0
8368	0.16	0.16	0	0	8369	0.159	0.159	0	0
8370	0.172	0.172	0	0	8371	0.158	0.158	0	0
8372	0.159	0.159	0	0	8373	0.16	0.16	0	0
8374	0.129	0.129	0	0	8375	0.173	0.173	0	0
8376	0.162	0.162	0	0	8377	0.164	0.164	0	0
8378	0.13	0.13	0	0	8379	0.166	0.166	0	0
8380	0.173	0.173	0	0	8381	0.167	0.167	0	0
8382	0.174	0.174	0	0	8383	0.168	0.168	0	0
8384	0.174	0.174	0	0	8385	0.175	0.175	0	0
8386	0.168	0.168	0	0	8387	0.175	0.175	0	0
8388	0.131	0.131	0	0	8389	0.176	0.176	0	0
8390	0.167	0.167	0	0	8391	0.176	0.176	0	0
8392	0.177	0.177	0	0	8393	0.177	0.177	0	0
8394	0.178	0.178	0	0	8395	0.179	0.179	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
8396	0.168	0.168	0	0	8397	0.126	0.126	0	0
8398	0.179	0.179	0	0	8399	0.063	0.063	0	0
8400	0.126	0.126	0	0	8401	0.063	0.063	0	0
8402	0.126	0.126	0	0	8403	0.216	0.216	0	0
8404	0.17	0.17	0	0	8405	0.093	0.093	0	0
8406	0.087	0.087	0	0	8407	0.092	0.092	0	0
8408	0.101	0.101	0	0	8409	0.052	0.052	0	0
8410	0.02	0.02	0	0	8411	0.062	0.062	0	0
8412	0.02	0.02	0	0	8413	0.101	0.101	0	0
8414	0.018	0.018	0	0	8415	0.018	0.018	0	0
8416	0.045	0.045	0	0	8417	0.05	0.05	0	0
8418	0.035	0.035	0	0	8419	0.036	0.036	0	0
8420	0.035	0.035	0	0	8421	0.035	0.035	0	0
8422	0.031	0.031	0	0	8423	0.03	0.03	0	0
8424	0.031	0.031	0	0	8425	0.032	0.032	0	0
8426	0.029	0.029	0	0	8427	0.03	0.03	0	0
8428	0.04	0.04	0	0	8429	0.094	0.094	0	0
8430	0.176	0.176	0	0	8431	0.061	0.061	0	0
8432	0.141	0.141	0	0	8433	0.039	0.039	0	0
8434	0.045	0.045	0	0	8435	0.035	0.035	0	0
8436	0.042	0.042	0	0	8437	0.038	0.038	0	0
8438	0.04	0.04	0	0	8439	0.039	0.039	0	0
8440	0.036	0.036	0	0	8441	0.145	0.145	0	0
8442	0.03	0.03	0	0	8443	0.031	0.031	0	0
8444	0.027	0.027	0	0	8445	0.028	0.028	0	0
8446	0.066	0.066	0	0	8447	0.066	0.066	0	0
8448	0.091	0.091	0	0	8449	0.088	0.088	0	0
8450	0.095	0.095	0	0	8451	0.112	0.112	0	0
8452	0.087	0.087	0	0	8453	0.114	0.114	0	0
8454	0.075	0.075	0	0	8455	0.058	0.058	0	0
8456	0.058	0.058	0	0	8457	0.089	0.089	0	0
8458	0.062	0.062	0	0	8459	0.067	0.067	0	0
8460	0.101	0.101	0	0	8461	0.065	0.065	0	0
8462	0.083	0.083	0	0	8463	0.058	0.058	0	0
8464	0.064	0.064	0	0	8465	0.07	0.07	0	0
8466	0.067	0.067	0	0	8467	0.078	0.078	0	0
8468	0.076	0.076	0	0	8469	0.087	0.087	0	0
8470	0.054	0.054	0	0	8471	0.054	0.054	0	0
8472	0.081	0.081	0	0	8473	0.199	0.199	0	0
8474	0.076	0.076	0	0	8475	0.078	0.078	0	0
8476	0.074	0.074	0	0	8477	0.089	0.089	0	0
8478	0.074	0.074	0	0	8479	0.079	0.079	0	0
8480	0.077	0.077	0	0	8481	0.101	0.101	0	0
8482	0.084	0.084	0	0	8483	0.057	0.057	0	0
8484	0.084	0.084	0	0	8485	0.073	0.073	0	0
8486	0.087	0.087	0	0	8487	0.065	0.065	0	0
8488	0.166	0.166	0	0	8489	0.038	0.038	0	0
8490	0.038	0.038	0	0	8491	0.04	0.04	0	0
8492	0.094	0.094	0	0	8493	0.104	0.104	0	0
8494	0.086	0.086	0	0	8495	0.046	0.046	0	0
8496	0.073	0.073	0	0	8497	0.064	0.064	0	0
8498	0.078	0.078	0	0	8499	0.037	0.037	0	0
8500	0.049	0.049	0	0	8501	0.037	0.037	0	0
8502	0.088	0.088	0	0	8503	0.038	0.038	0	0
8504	0.04	0.04	0	0	8505	0.085	0.085	0	0
8506	0.044	0.044	0	0	8507	0.169	0.169	0	0
8508	0.117	0.117	0	0	8509	0.089	0.089	0	0
8510	0.09	0.09	0	0	8511	0.145	0.145	0	0
8512	0.08	0.08	0	0	8513	0.073	0.073	0	0
8514	0.037	0.037	0	0	8515	0.079	0.079	0	0
8516	0.056	0.056	0	0	8517	0.171	0.171	0	0
8518	0.075	0.075	0	0	8519	0.053	0.053	0	0
8520	0.171	0.171	0	0	8521	0.04	0.04	0	0
8522	0.059	0.059	0	0	8523	0.052	0.052	0	0
8524	0.171	0.171	0	0	8525	0.062	0.062	0	0
8526	0.042	0.042	0	0	8527	0.171	0.171	0	0
8528	0.045	0.045	0	0	8529	0.083	0.083	0	0
8530	0.121	0.121	0	0	8531	0.17	0.17	0	0
8532	0.036	0.036	0	0	8533	0.048	0.048	0	0
8534	0.15	0.15	0	0	8535	0.201	0.201	0	0
8536	0.168	0.168	0	0	8537	0.039	0.039	0	0
8538	0.167	0.167	0	0	8539	0.042	0.042	0	0
8540	0.122	0.122	0	0	8541	0.118	0.118	0	0
8542	0.117	0.117	0	0	8543	0.166	0.166	0	0
8544	0.055	0.055	0	0	8545	0.034	0.034	0	0
8546	0.044	0.044	0	0	8547	0.035	0.035	0	0
8548	0.198	0.198	0	0	8549	0.114	0.114	0	0
8550	0.08	0.08	0	0	8551	0.172	0.172	0	0
8552	0.107	0.107	0	0	8553	0.053	0.053	0	0
8554	0.064	0.064	0	0	8555	0.064	0.064	0	0
8556	0.052	0.052	0	0	8557	0.052	0.052	0	0
8558	0.061	0.061	0	0	8559	0.056	0.056	0	0
8560	0.051	0.051	0	0	8561	0.052	0.052	0	0
8562	0.065	0.065	0	0	8563	0.068	0.068	0	0
8564	0.06	0.06	0	0	8565	0.06	0.06	0	0
8566	0.07	0.07	0	0	8567	0.065	0.065	0	0
8568	0.052	0.052	0	0	8569	0.051	0.051	0	0
8570	0.058	0.058	0	0	8571	0.067	0.067	0	0
8572	0.06	0.06	0	0	8573	0.058	0.058	0	0
8574	0.072	0.072	0	0	8575	0.064	0.064	0	0
8576	0.052	0.052	0	0	8577	0.052	0.052	0	0
8578	0.061	0.061	0	0	8579	0.056	0.056	0	0
8580	0.105	0.105	0	0	8581	0.092	0.092	0	0
8582	0.065	0.065	0	0	8583	0.064	0.064	0	0
8584	0.07	0.07	0	0	8585	0.064	0.064	0	0
8586	0.057	0.057	0	0	8587	0.058	0.058	0	0
8588	0.073	0.073	0	0	8589	0.078	0.078	0	0
8590	0.079	0.079	0	0	8591	0.076	0.076	0	0
8592	0.067	0.067	0	0	8593	0.068	0.068	0	0
8594	0.062	0.062	0	0	8595	0.064	0.064	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
8596	0.069	0.069	0	0	8597	0.059	0.059	0	0
8598	0.055	0.055	0	0	8599	0.054	0.054	0	0
8600	0.06	0.06	0	0	8601	0.057	0.057	0	0
8602	0.05	0.05	0	0	8603	0.051	0.051	0	0
8604	0.064	0.064	0	0	8605	0.066	0.066	0	0
8606	0.056	0.056	0	0	8607	0.06	0.06	0	0
8608	0.078	0.078	0	0	8609	0.074	0.074	0	0
8610	0.059	0.059	0	0	8611	0.059	0.059	0	0
8612	0.068	0.068	0	0	8613	0.066	0.066	0	0
8614	0.052	0.052	0	0	8615	0.052	0.052	0	0
8616	0.063	0.063	0	0	8617	0.159	0.159	0	0
8618	0.236	0.236	0	0	8619	0.039	0.039	0	0
8620	0.158	0.158	0	0	8621	0.233	0.233	0	0
8622	0.04	0.04	0	0	8623	0.209	0.209	0	0
8624	0.157	0.157	0	0	8625	0.231	0.231	0	0
8626	0.101	0.101	0	0	8627	0.156	0.156	0	0
8628	0.229	0.229	0	0	8629	0.202	0.202	0	0
8630	0.192	0.192	0	0	8631	0.185	0.185	0	0
8632	0.136	0.136	0	0	8633	0.202	0.202	0	0
8634	0.075	0.075	0	0	8635	0.086	0.086	0	0
8636	0.184	0.184	0	0	8637	0.165	0.165	0	0
8638	0.165	0.165	0	0	8639	0.164	0.164	0	0
8640	0.163	0.163	0	0	8641	0.171	0.171	0	0
8642	0.162	0.162	0	0	8643	0.161	0.161	0	0
8644	0.159	0.159	0	0	8645	0.158	0.158	0	0
8646	0.158	0.158	0	0	8647	0.172	0.172	0	0
8648	0.158	0.158	0	0	8649	0.159	0.159	0	0
8650	0.075	0.075	0	0	8651	0.161	0.161	0	0
8652	0.164	0.164	0	0	8653	0.172	0.172	0	0
8654	0.166	0.166	0	0	8655	0.167	0.167	0	0
8656	0.033	0.033	0	0	8657	0.172	0.172	0	0
8658	0.168	0.168	0	0	8659	0.173	0.173	0	0
8660	0.167	0.167	0	0	8661	0.173	0.173	0	0
8662	0.173	0.173	0	0	8663	0.165	0.165	0	0
8664	0.037	0.037	0	0	8665	0.174	0.174	0	0
8666	0.174	0.174	0	0	8667	0.174	0.174	0	0
8668	0.164	0.164	0	0	8669	0.175	0.175	0	0
8670	0.024	0.024	0	0	8671	0.173	0.173	0	0
8672	0.175	0.175	0	0	8673	0.176	0.176	0	0
8674	0.176	0.176	0	0	8675	0.099	0.099	0	0
8676	0.178	0.178	0	0	8677	0.162	0.162	0	0
8678	0.063	0.063	0	0	8679	0.126	0.126	0	0
8680	0.063	0.063	0	0	8681	0.126	0.126	0	0
8682	0.215	0.215	0	0	8683	0.03	0.03	0	0
8684	0.151	0.151	0	0	8685	0.117	0.117	0	0
8686	0.069	0.069	0	0	8687	0.069	0.069	0	0
8688	0.07	0.07	0	0	8689	0.119	0.119	0	0
8690	0.095	0.095	0	0	8691	0.051	0.051	0	0
8692	0.082	0.082	0	0	8693	0.044	0.044	0	0
8694	0.043	0.043	0	0	8695	0.039	0.039	0	0
8696	0.04	0.04	0	0	8697	0.052	0.052	0	0
8698	0.088	0.088	0	0	8699	0.045	0.045	0	0
8700	0.041	0.041	0	0	8701	0.054	0.054	0	0
8702	0.088	0.088	0	0	8703	0.041	0.041	0	0
8704	0.049	0.049	0	0	8705	0.061	0.061	0	0
8706	0.079	0.079	0	0	8707	0.039	0.039	0	0
8708	0.045	0.045	0	0	8709	0.059	0.059	0	0
8710	0.055	0.055	0	0	8711	0.089	0.089	0	0
8712	0.041	0.041	0	0	8713	0.058	0.058	0	0
8714	0.063	0.063	0	0	8715	0.04	0.04	0	0
8716	0.053	0.053	0	0	8717	0.045	0.045	0	0
8718	0.061	0.061	0	0	8719	0.038	0.038	0	0
8720	0.071	0.071	0	0	8721	0.065	0.065	0	0
8722	0.061	0.061	0	0	8723	0.053	0.053	0	0
8724	0.09	0.09	0	0	8725	0.047	0.047	0	0
8726	0.024	0.024	0	0	8727	0.065	0.065	0	0
8728	0.061	0.061	0	0	8729	0.065	0.065	0	0
8730	0.039	0.039	0	0	8731	0.048	0.048	0	0
8732	0.053	0.053	0	0	8733	0.048	0.048	0	0
8734	0.059	0.059	0	0	8735	0.045	0.045	0	0
8736	0.042	0.042	0	0	8737	0.028	0.028	0	0
8738	0.058	0.058	0	0	8739	0.041	0.041	0	0
8740	0.079	0.079	0	0	8741	0.07	0.07	0	0
8742	0.076	0.076	0	0	8743	0.044	0.044	0	0
8744	0.066	0.066	0	0	8745	0.085	0.085	0	0
8746	0.067	0.067	0	0	8747	0.065	0.065	0	0
8748	0.061	0.061	0	0	8749	0.082	0.082	0	0
8750	0.077	0.077	0	0	8751	0.073	0.073	0	0
8752	0.08	0.08	0	0	8753	0.045	0.045	0	0
8754	0.069	0.069	0	0	8755	0.084	0.084	0	0
8756	0.064	0.064	0	0	8757	0.032	0.032	0	0
8758	0.069	0.069	0	0	8759	0.077	0.077	0	0
8760	0.048	0.048	0	0	8761	0.118	0.118	0	0
8762	0.081	0.081	0	0	8763	0.057	0.057	0	0
8764	0.076	0.076	0	0	8765	0.07	0.07	0	0
8766	0.051	0.051	0	0	8767	0.084	0.084	0	0
8768	0.068	0.068	0	0	8769	0.076	0.076	0	0
8770	0.092	0.092	0	0	8771	0.118	0.118	0	0
8772	0.08	0.08	0	0	8773	0.066	0.066	0	0
8774	0.084	0.084	0	0	8775	0.072	0.072	0	0
8776	0.082	0.082	0	0	8777	0.069	0.069	0	0
8778	0.085	0.085	0	0	8779	0.08	0.08	0	0
8780	0.085	0.085	0	0	8781	0.094	0.094	0	0
8782	0.08	0.08	0	0	8783	0.071	0.071	0	0
8784	0.092	0.092	0	0	8785	0.092	0.092	0	0
8786	0.099	0.099	0	0	8787	0.083	0.083	0	0
8788	0.042	0.042	0	0	8789	0.085	0.085	0	0
8790	0.081	0.081	0	0	8791	0.101	0.101	0	0
8792	0.094	0.094	0	0	8793	0.095	0.095	0	0
8794	0.093	0.093	0	0	8795	0.099	0.099	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
8796	0.096	0.096	0	0	8797	0.085	0.085	0	0
8798	0.098	0.098	0	0	8799	0.098	0.098	0	0
8800	0.096	0.096	0	0	8801	0.096	0.096	0	0
8802	0.096	0.096	0	0	8803	0.1	0.1	0	0
8804	0.093	0.093	0	0	8805	0.099	0.099	0	0
8806	0.108	0.108	0	0	8807	0.078	0.078	0	0
8808	0.101	0.101	0	0	8809	0.096	0.096	0	0
8810	0.096	0.096	0	0	8811	0.095	0.095	0	0
8812	0.108	0.108	0	0	8813	0.109	0.109	0	0
8814	0.108	0.108	0	0	8815	0.11	0.11	0	0
8816	0.11	0.11	0	0	8817	0.109	0.109	0	0
8818	0.09	0.09	0	0	8819	0.093	0.093	0	0
8820	0.11	0.11	0	0	8821	0.113	0.113	0	0
8822	0.101	0.101	0	0	8823	0.121	0.121	0	0
8824	0.101	0.101	0	0	8825	0.115	0.115	0	0
8826	0.108	0.108	0	0	8827	0.123	0.123	0	0
8828	0.095	0.095	0	0	8829	0.119	0.119	0	0
8830	0.122	0.122	0	0	8831	0.119	0.119	0	0
8832	0.096	0.096	0	0	8833	0.021	0.021	0	0
8834	0.061	0.061	0	0	8835	0.097	0.097	0	0
8836	0.084	0.084	0	0	8837	0.086	0.086	0	0
8838	0.128	0.128	0	0	8839	0.21	0.21	0	0
8840	0.135	0.135	0	0	8841	0.07	0.07	0	0
8842	0.029	0.029	0	0	8843	0.03	0.03	0	0
8844	0.025	0.025	0	0	8845	0.1	0.1	0	0
8846	0.035	0.035	0	0	8847	0.17	0.17	0	0
8848	0.039	0.039	0	0	8849	0.103	0.103	0	0
8850	0.128	0.128	0	0	8851	0.127	0.127	0	0
8852	0.173	0.173	0	0	8853	0.035	0.035	0	0
8854	0.04	0.04	0	0	8855	0.033	0.033	0	0
8856	0.044	0.044	0	0	8857	0.107	0.107	0	0
8858	0.174	0.174	0	0	8859	0.139	0.139	0	0
8860	0.037	0.037	0	0	8861	0.046	0.046	0	0
8862	0.175	0.175	0	0	8863	0.178	0.178	0	0
8864	0.046	0.046	0	0	8865	0.034	0.034	0	0
8866	0.174	0.174	0	0	8867	0.043	0.043	0	0
8868	0.049	0.049	0	0	8869	0.168	0.168	0	0
8870	0.19	0.19	0	0	8871	0.034	0.034	0	0
8872	0.174	0.174	0	0	8873	0.04	0.04	0	0
8874	0.121	0.121	0	0	8875	0.173	0.173	0	0
8876	0.119	0.119	0	0	8877	0.043	0.043	0	0
8878	0.041	0.041	0	0	8879	0.171	0.171	0	0
8880	0.04	0.04	0	0	8881	0.047	0.047	0	0
8882	0.052	0.052	0	0	8883	0.041	0.041	0	0
8884	0.168	0.168	0	0	8885	0.039	0.039	0	0
8886	0.051	0.051	0	0	8887	0.157	0.157	0	0
8888	0.192	0.192	0	0	8889	0.166	0.166	0	0
8890	0.044	0.044	0	0	8891	0.046	0.046	0	0
8892	0.165	0.165	0	0	8893	0.047	0.047	0	0
8894	0.048	0.048	0	0	8895	0.158	0.158	0	0
8896	0.189	0.189	0	0	8897	0.154	0.154	0	0
8898	0.08	0.08	0	0	8899	0.078	0.078	0	0
8900	0.118	0.118	0	0	8901	0.172	0.172	0	0
8902	0.107	0.107	0	0	8903	0.053	0.053	0	0
8904	0.064	0.064	0	0	8905	0.063	0.063	0	0
8906	0.105	0.105	0	0	8907	0.158	0.158	0	0
8908	0.235	0.235	0	0	8909	0.057	0.057	0	0
8910	0.233	0.233	0	0	8911	0.157	0.157	0	0
8912	0.063	0.063	0	0	8913	0.053	0.053	0	0
8914	0.209	0.209	0	0	8915	0.231	0.231	0	0
8916	0.061	0.061	0	0	8917	0.156	0.156	0	0
8918	0.051	0.051	0	0	8919	0.23	0.23	0	0
8920	0.202	0.202	0	0	8921	0.192	0.192	0	0
8922	0.173	0.173	0	0	8923	0.139	0.139	0	0
8924	0.202	0.202	0	0	8925	0.077	0.077	0	0
8926	0.084	0.084	0	0	8927	0.18	0.18	0	0
8928	0.165	0.165	0	0	8929	0.165	0.165	0	0
8930	0.164	0.164	0	0	8931	0.163	0.163	0	0
8932	0.162	0.162	0	0	8933	0.161	0.161	0	0
8934	0.171	0.171	0	0	8935	0.159	0.159	0	0
8936	0.158	0.158	0	0	8937	0.157	0.157	0	0
8938	0.156	0.156	0	0	8939	0.057	0.057	0	0
8940	0.157	0.157	0	0	8941	0.064	0.064	0	0
8942	0.161	0.161	0	0	8943	0.171	0.171	0	0
8944	0.164	0.164	0	0	8945	0.166	0.166	0	0
8946	0.062	0.062	0	0	8947	0.074	0.074	0	0
8948	0.168	0.168	0	0	8949	0.171	0.171	0	0
8950	0.168	0.168	0	0	8951	0.066	0.066	0	0
8952	0.068	0.068	0	0	8953	0.171	0.171	0	0
8954	0.166	0.166	0	0	8955	0.104	0.104	0	0
8956	0.053	0.053	0	0	8957	0.1	0.1	0	0
8958	0.171	0.171	0	0	8959	0.054	0.054	0	0
8960	0.164	0.164	0	0	8961	0.171	0.171	0	0
8962	0.076	0.076	0	0	8963	0.054	0.054	0	0
8964	0.164	0.164	0	0	8965	0.171	0.171	0	0
8966	0.059	0.059	0	0	8967	0.047	0.047	0	0
8968	0.16	0.16	0	0	8969	0.172	0.172	0	0
8970	0.072	0.072	0	0	8971	0.068	0.068	0	0
8972	0.092	0.092	0	0	8973	0.054	0.054	0	0
8974	0.172	0.172	0	0	8975	0.073	0.073	0	0
8976	0.055	0.055	0	0	8977	0.082	0.082	0	0
8978	0.172	0.172	0	0	8979	0.084	0.084	0	0
8980	0.156	0.156	0	0	8981	0.172	0.172	0	0
8982	0.078	0.078	0	0	8983	0.061	0.061	0	0
8984	0.172	0.172	0	0	8985	0.08	0.08	0	0
8986	0.172	0.172	0	0	8987	0.081	0.081	0	0
8988	0.151	0.151	0	0	8989	0.173	0.173	0	0
8990	0.085	0.085	0	0	8991	0.145	0.145	0	0
8992	0.071	0.071	0	0	8993	0.079	0.079	0	0
8994	0.062	0.062	0	0	8995	0.141	0.141	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
8996	0.079	0.079	0	0	8997	0.086	0.086	0	0
8998	0.091	0.091	0	0	8999	0.141	0.141	0	0
9000	0.087	0.087	0	0	9001	0.14	0.14	0	0
9002	0.175	0.175	0	0	9003	0.083	0.083	0	0
9004	0.089	0.089	0	0	9005	0.079	0.079	0	0
9006	0.081	0.081	0	0	9007	0.089	0.089	0	0
9008	0.044	0.044	0	0	9009	0.105	0.105	0	0
9010	0.123	0.123	0	0	9011	0.085	0.085	0	0
9012	0.097	0.097	0	0	9013	0.084	0.084	0	0
9014	0.088	0.088	0	0	9015	0.085	0.085	0	0
9016	0.063	0.063	0	0	9017	0.126	0.126	0	0
9018	0.063	0.063	0	0	9019	0.126	0.126	0	0
9020	0.215	0.215	0	0	9021	0.099	0.099	0	0
9022	0.1	0.1	0	0	9023	0.088	0.088	0	0
9024	0.041	0.041	0	0	9025	0.095	0.095	0	0
9026	0.084	0.084	0	0	9027	0.089	0.089	0	0
9028	0.097	0.097	0	0	9029	0.078	0.078	0	0
9030	0.094	0.094	0	0	9031	0.088	0.088	0	0
9032	0.104	0.104	0	0	9033	0.073	0.073	0	0
9034	0.091	0.091	0	0	9035	0.084	0.084	0	0
9036	0.083	0.083	0	0	9037	0.094	0.094	0	0
9038	0.094	0.094	0	0	9039	0.102	0.102	0	0
9040	0.093	0.093	0	0	9041	0.099	0.099	0	0
9042	0.097	0.097	0	0	9043	0.09	0.09	0	0
9044	0.105	0.105	0	0	9045	0.095	0.095	0	0
9046	0.101	0.101	0	0	9047	0.104	0.104	0	0
9048	0.093	0.093	0	0	9049	0.102	0.102	0	0
9050	0.092	0.092	0	0	9051	0.101	0.101	0	0
9052	0.099	0.099	0	0	9053	0.074	0.074	0	0
9054	0.097	0.097	0	0	9055	0.093	0.093	0	0
9056	0.091	0.091	0	0	9057	0.031	0.031	0	0
9058	0.108	0.108	0	0	9059	0.104	0.104	0	0
9060	0.024	0.024	0	0	9061	0.099	0.099	0	0
9062	0.047	0.047	0	0	9063	0.107	0.107	0	0
9064	0.083	0.083	0	0	9065	0.106	0.106	0	0
9066	0.033	0.033	0	0	9067	0.054	0.054	0	0
9068	0.1	0.1	0	0	9069	0.102	0.102	0	0
9070	0.106	0.106	0	0	9071	0.056	0.056	0	0
9072	0.03	0.03	0	0	9073	0.107	0.107	0	0
9074	0.033	0.033	0	0	9075	0.105	0.105	0	0
9076	0.121	0.121	0	0	9077	0.034	0.034	0	0
9078	0.031	0.031	0	0	9079	0.114	0.114	0	0
9080	0.039	0.039	0	0	9081	0.14	0.14	0	0
9082	0.042	0.042	0	0	9083	0.124	0.124	0	0
9084	0.05	0.05	0	0	9085	0.135	0.135	0	0
9086	0.038	0.038	0	0	9087	0.157	0.157	0	0
9088	0.143	0.143	0	0	9089	0.04	0.04	0	0
9090	0.124	0.124	0	0	9091	0.034	0.034	0	0
9092	0.094	0.094	0	0	9093	0.106	0.106	0	0
9094	0.05	0.05	0	0	9095	0.047	0.047	0	0
9096	0.037	0.037	0	0	9097	0.179	0.179	0	0
9098	0.059	0.059	0	0	9099	0.049	0.049	0	0
9100	0.124	0.124	0	0	9101	0.048	0.048	0	0
9102	0.104	0.104	0	0	9103	0.126	0.126	0	0
9104	0.14	0.14	0	0	9105	0.052	0.052	0	0
9106	0.118	0.118	0	0	9107	0.049	0.049	0	0
9108	0.134	0.134	0	0	9109	0.041	0.041	0	0
9110	0.139	0.139	0	0	9111	0.078	0.078	0	0
9112	0.056	0.056	0	0	9113	0.059	0.059	0	0
9114	0.054	0.054	0	0	9115	0.079	0.079	0	0
9116	0.063	0.063	0	0	9117	0.065	0.065	0	0
9118	0.056	0.056	0	0	9119	0.063	0.063	0	0
9120	0.056	0.056	0	0	9121	0.121	0.121	0	0
9122	0.101	0.101	0	0	9123	0.053	0.053	0	0
9124	0.101	0.101	0	0	9125	0.054	0.054	0	0
9126	0.063	0.063	0	0	9127	0.115	0.115	0	0
9128	0.063	0.063	0	0	9129	0.086	0.086	0	0
9130	0.101	0.101	0	0	9131	0.115	0.115	0	0
9132	0.028	0.028	0	0	9133	0.061	0.061	0	0
9134	0.098	0.098	0	0	9135	0.112	0.112	0	0
9136	0.098	0.098	0	0	9137	0.041	0.041	0	0
9138	0.061	0.061	0	0	9139	0.069	0.069	0	0
9140	0.104	0.104	0	0	9141	0.089	0.089	0	0
9142	0.061	0.061	0	0	9143	0.06	0.06	0	0
9144	0.121	0.121	0	0	9145	0.069	0.069	0	0
9146	0.089	0.089	0	0	9147	0.068	0.068	0	0
9148	0.056	0.056	0	0	9149	0.076	0.076	0	0
9150	0.11	0.11	0	0	9151	0.111	0.111	0	0
9152	0.097	0.097	0	0	9153	0.066	0.066	0	0
9154	0.1	0.1	0	0	9155	0.082	0.082	0	0
9156	0.065	0.065	0	0	9157	0.22	0.22	0	0
9158	0.148	0.148	0	0	9159	0.084	0.084	0	0
9160	0.162	0.162	0	0	9161	0.168	0.168	0	0
9162	0.091	0.091	0	0	9163	0.097	0.097	0	0
9164	0.175	0.175	0	0	9165	0.113	0.113	0	0
9166	0.107	0.107	0	0	9167	0.096	0.096	0	0
9168	0.086	0.086	0	0	9169	0.086	0.086	0	0
9170	0.122	0.122	0	0	9171	0.092	0.092	0	0
9172	0.058	0.058	0	0	9173	0.076	0.076	0	0
9174	0.105	0.105	0	0	9175	0.106	0.106	0	0
9176	0.116	0.116	0	0	9177	0.093	0.093	0	0
9178	0.177	0.177	0	0	9179	0.114	0.114	0	0
9180	0.102	0.102	0	0	9181	0.095	0.095	0	0
9182	0.078	0.078	0	0	9183	0.079	0.079	0	0
9184	0.105	0.105	0	0	9185	0.098	0.098	0	0
9186	0.112	0.112	0	0	9187	0.094	0.094	0	0
9188	0.114	0.114	0	0	9189	0.099	0.099	0	0
9190	0.086	0.086	0	0	9191	0.091	0.091	0	0
9192	0.178	0.178	0	0	9193	0.097	0.097	0	0
9194	0.089	0.089	0	0	9195	0.093	0.093	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
9196	0.111	0.111	0	0	9197	0.137	0.137	0	0
9198	0.127	0.127	0	0	9199	0.09	0.09	0	0
9200	0.091	0.091	0	0	9201	0.103	0.103	0	0
9202	0.09	0.09	0	0	9203	0.109	0.109	0	0
9204	0.178	0.178	0	0	9205	0.095	0.095	0	0
9206	0.105	0.105	0	0	9207	0.055	0.055	0	0
9208	0.112	0.112	0	0	9209	0.096	0.096	0	0
9210	0.109	0.109	0	0	9211	0.112	0.112	0	0
9212	0.177	0.177	0	0	9213	0.104	0.104	0	0
9214	0.099	0.099	0	0	9215	0.174	0.174	0	0
9216	0.177	0.177	0	0	9217	0.103	0.103	0	0
9218	0.176	0.176	0	0	9219	0.097	0.097	0	0
9220	0.101	0.101	0	0	9221	0.175	0.175	0	0
9222	0.169	0.169	0	0	9223	0.181	0.181	0	0
9224	0.073	0.073	0	0	9225	0.098	0.098	0	0
9226	0.057	0.057	0	0	9227	0.172	0.172	0	0
9228	0.104	0.104	0	0	9229	0.104	0.104	0	0
9230	0.168	0.168	0	0	9231	0.106	0.106	0	0
9232	0.104	0.104	0	0	9233	0.165	0.165	0	0
9234	0.089	0.089	0	0	9235	0.11	0.11	0	0
9236	0.042	0.042	0	0	9237	0.164	0.164	0	0
9238	0.182	0.182	0	0	9239	0.101	0.101	0	0
9240	0.163	0.163	0	0	9241	0.104	0.104	0	0
9242	0.157	0.157	0	0	9243	0.157	0.157	0	0
9244	0.158	0.158	0	0	9245	0.163	0.163	0	0
9246	0.185	0.185	0	0	9247	0.183	0.183	0	0
9248	0.157	0.157	0	0	9249	0.157	0.157	0	0
9250	0.156	0.156	0	0	9251	0.232	0.232	0	0
9252	0.231	0.231	0	0	9253	0.104	0.104	0	0
9254	0.234	0.234	0	0	9255	0.23	0.23	0	0
9256	0.202	0.202	0	0	9257	0.193	0.193	0	0
9258	0.169	0.169	0	0	9259	0.145	0.145	0	0
9260	0.202	0.202	0	0	9261	0.081	0.081	0	0
9262	0.083	0.083	0	0	9263	0.176	0.176	0	0
9264	0.209	0.209	0	0	9265	0.111	0.111	0	0
9266	0.165	0.165	0	0	9267	0.165	0.165	0	0
9268	0.103	0.103	0	0	9269	0.164	0.164	0	0
9270	0.164	0.164	0	0	9271	0.171	0.171	0	0
9272	0.107	0.107	0	0	9273	0.053	0.053	0	0
9274	0.071	0.071	0	0	9275	0.074	0.074	0	0
9276	0.105	0.105	0	0	9277	0.163	0.163	0	0
9278	0.097	0.097	0	0	9279	0.161	0.161	0	0
9280	0.159	0.159	0	0	9281	0.171	0.171	0	0
9282	0.157	0.157	0	0	9283	0.156	0.156	0	0
9284	0.154	0.154	0	0	9285	0.154	0.154	0	0
9286	0.064	0.064	0	0	9287	0.16	0.16	0	0
9288	0.165	0.165	0	0	9289	0.168	0.168	0	0
9290	0.17	0.17	0	0	9291	0.169	0.169	0	0
9292	0.124	0.124	0	0	9293	0.169	0.169	0	0
9294	0.17	0.17	0	0	9295	0.167	0.167	0	0
9296	0.17	0.17	0	0	9297	0.163	0.163	0	0
9298	0.162	0.162	0	0	9299	0.046	0.046	0	0
9300	0.169	0.169	0	0	9301	0.077	0.077	0	0
9302	0.064	0.064	0	0	9303	0.158	0.158	0	0
9304	0.169	0.169	0	0	9305	0.169	0.169	0	0
9306	0.04	0.04	0	0	9307	0.153	0.153	0	0
9308	0.168	0.168	0	0	9309	0.154	0.154	0	0
9310	0.11	0.11	0	0	9311	0.168	0.168	0	0
9312	0.147	0.147	0	0	9313	0.168	0.168	0	0
9314	0.145	0.145	0	0	9315	0.143	0.143	0	0
9316	0.066	0.066	0	0	9317	0.143	0.143	0	0
9318	0.167	0.167	0	0	9319	0.05	0.05	0	0
9320	0.047	0.047	0	0	9321	0.167	0.167	0	0
9322	0.077	0.077	0	0	9323	0.121	0.121	0	0
9324	0.167	0.167	0	0	9325	0.042	0.042	0	0
9326	0.168	0.168	0	0	9327	0.046	0.046	0	0
9328	0.125	0.125	0	0	9329	0.17	0.17	0	0
9330	0.041	0.041	0	0	9331	0.061	0.061	0	0
9332	0.134	0.134	0	0	9333	0.071	0.071	0	0
9334	0.164	0.164	0	0	9335	0.111	0.111	0	0
9336	0.06	0.06	0	0	9337	0.07	0.07	0	0
9338	0.066	0.066	0	0	9339	0.049	0.049	0	0
9340	0.063	0.063	0	0	9341	0.126	0.126	0	0
9342	0.063	0.063	0	0	9343	0.126	0.126	0	0
9344	0.214	0.214	0	0	9345	0.112	0.112	0	0
9346	0.05	0.05	0	0	9347	0.145	0.145	0	0
9348	0.043	0.043	0	0	9349	0.173	0.173	0	0
9350	0.115	0.115	0	0	9351	0.053	0.053	0	0
9352	0.137	0.137	0	0	9353	0.059	0.059	0	0
9354	0.163	0.163	0	0	9355	0.122	0.122	0	0
9356	0.138	0.138	0	0	9357	0.141	0.141	0	0
9358	0.151	0.151	0	0	9359	0.172	0.172	0	0
9360	0.129	0.129	0	0	9361	0.14	0.14	0	0
9362	0.064	0.064	0	0	9363	0.069	0.069	0	0
9364	0.054	0.054	0	0	9365	0.051	0.051	0	0
9366	0.134	0.134	0	0	9367	0.091	0.091	0	0
9368	0.081	0.081	0	0	9369	0.129	0.129	0	0
9370	0.125	0.125	0	0	9371	0.055	0.055	0	0
9372	0.159	0.159	0	0	9373	0.13	0.13	0	0
9374	0.119	0.119	0	0	9375	0.129	0.129	0	0
9376	0.09	0.09	0	0	9377	0.054	0.054	0	0
9378	0.117	0.117	0	0	9379	0.111	0.111	0	0
9380	0.091	0.091	0	0	9381	0.119	0.119	0	0
9382	0.15	0.15	0	0	9383	0.11	0.11	0	0
9384	0.119	0.119	0	0	9385	0.116	0.116	0	0
9386	0.125	0.125	0	0	9387	0.116	0.116	0	0
9388	0.134	0.134	0	0	9389	0.118	0.118	0	0
9390	0.107	0.107	0	0	9391	0.103	0.103	0	0
9392	0.123	0.123	0	0	9393	0.108	0.108	0	0
9394	0.107	0.107	0	0	9395	0.131	0.131	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
9396	0.107	0.107	0	0	9397	0.1	0.1	0	0
9398	0.127	0.127	0	0	9399	0.08	0.08	0	0
9400	0.12	0.12	0	0	9401	0.133	0.133	0	0
9402	0.105	0.105	0	0	9403	0.121	0.121	0	0
9404	0.084	0.084	0	0	9405	0.099	0.099	0	0
9406	0.116	0.116	0	0	9407	0.116	0.116	0	0
9408	0.112	0.112	0	0	9409	0.101	0.101	0	0
9410	0.119	0.119	0	0	9411	0.051	0.051	0	0
9412	0.106	0.106	0	0	9413	0.124	0.124	0	0
9414	0.101	0.101	0	0	9415	0.104	0.104	0	0
9416	0.112	0.112	0	0	9417	0.095	0.095	0	0
9418	0.107	0.107	0	0	9419	0.098	0.098	0	0
9420	0.123	0.123	0	0	9421	0.098	0.098	0	0
9422	0.093	0.093	0	0	9423	0.096	0.096	0	0
9424	0.111	0.111	0	0	9425	0.108	0.108	0	0
9426	0.118	0.118	0	0	9427	0.109	0.109	0	0
9428	0.095	0.095	0	0	9429	0.125	0.125	0	0
9430	0.09	0.09	0	0	9431	0.1	0.1	0	0
9432	0.114	0.114	0	0	9433	0.102	0.102	0	0
9434	0.104	0.104	0	0	9435	0.109	0.109	0	0
9436	0.117	0.117	0	0	9437	0.09	0.09	0	0
9438	0.101	0.101	0	0	9439	0.107	0.107	0	0
9440	0.095	0.095	0	0	9441	0.104	0.104	0	0
9442	0.072	0.072	0	0	9443	0.101	0.101	0	0
9444	0.103	0.103	0	0	9445	0.102	0.102	0	0
9446	0.101	0.101	0	0	9447	0.094	0.094	0	0
9448	0.102	0.102	0	0	9449	0.099	0.099	0	0
9450	0.101	0.101	0	0	9451	0.1	0.1	0	0
9452	0.061	0.061	0	0	9453	0.106	0.106	0	0
9454	0.087	0.087	0	0	9455	0.092	0.092	0	0
9456	0.041	0.041	0	0	9457	0.083	0.083	0	0
9458	0.089	0.089	0	0	9459	0.064	0.064	0	0
9460	0.097	0.097	0	0	9461	0.081	0.081	0	0
9462	0.045	0.045	0	0	9463	0.088	0.088	0	0
9464	0.079	0.079	0	0	9465	0.087	0.087	0	0
9466	0.068	0.068	0	0	9467	0.082	0.082	0	0
9468	0.068	0.068	0	0	9469	0.04	0.04	0	0
9470	0.154	0.154	0	0	9471	0.064	0.064	0	0
9472	0.22	0.22	0	0	9473	0.144	0.144	0	0
9474	0.154	0.154	0	0	9475	0.159	0.159	0	0
9476	0.054	0.054	0	0	9477	0.175	0.175	0	0
9478	0.165	0.165	0	0	9479	0.063	0.063	0	0
9480	0.134	0.134	0	0	9481	0.184	0.184	0	0
9482	0.185	0.185	0	0	9483	0.182	0.182	0	0
9484	0.18	0.18	0	0	9485	0.179	0.179	0	0
9486	0.174	0.174	0	0	9487	0.175	0.175	0	0
9488	0.177	0.177	0	0	9489	0.176	0.176	0	0
9490	0.171	0.171	0	0	9491	0.177	0.177	0	0
9492	0.168	0.168	0	0	9493	0.163	0.163	0	0
9494	0.167	0.167	0	0	9495	0.176	0.176	0	0
9496	0.161	0.161	0	0	9497	0.186	0.186	0	0
9498	0.182	0.182	0	0	9499	0.163	0.163	0	0
9500	0.157	0.157	0	0	9501	0.157	0.157	0	0
9502	0.157	0.157	0	0	9503	0.157	0.157	0	0
9504	0.157	0.157	0	0	9505	0.156	0.156	0	0
9506	0.23	0.23	0	0	9507	0.23	0.23	0	0
9508	0.202	0.202	0	0	9509	0.193	0.193	0	0
9510	0.17	0.17	0	0	9511	0.161	0.161	0	0
9512	0.202	0.202	0	0	9513	0.081	0.081	0	0
9514	0.085	0.085	0	0	9515	0.173	0.173	0	0
9516	0.165	0.165	0	0	9517	0.231	0.231	0	0
9518	0.165	0.165	0	0	9519	0.164	0.164	0	0
9520	0.164	0.164	0	0	9521	0.163	0.163	0	0
9522	0.163	0.163	0	0	9523	0.159	0.159	0	0
9524	0.157	0.157	0	0	9525	0.17	0.17	0	0
9526	0.155	0.155	0	0	9527	0.149	0.149	0	0
9528	0.146	0.146	0	0	9529	0.231	0.231	0	0
9530	0.206	0.206	0	0	9531	0.159	0.159	0	0
9532	0.168	0.168	0	0	9533	0.171	0.171	0	0
9534	0.172	0.172	0	0	9535	0.169	0.169	0	0
9536	0.171	0.171	0	0	9537	0.17	0.17	0	0
9538	0.169	0.169	0	0	9539	0.167	0.167	0	0
9540	0.162	0.162	0	0	9541	0.168	0.168	0	0
9542	0.155	0.155	0	0	9543	0.167	0.167	0	0
9544	0.167	0.167	0	0	9545	0.104	0.104	0	0
9546	0.083	0.083	0	0	9547	0.063	0.063	0	0
9548	0.063	0.063	0	0	9549	0.063	0.063	0	0
9550	0.059	0.059	0	0	9551	0.115	0.115	0	0
9552	0.13	0.13	0	0	9553	0.08	0.08	0	0
9554	0.08	0.08	0	0	9555	0.074	0.074	0	0
9556	0.133	0.133	0	0	9557	0.156	0.156	0	0
9558	0.166	0.166	0	0	9559	0.152	0.152	0	0
9560	0.166	0.166	0	0	9561	0.146	0.146	0	0
9562	0.144	0.144	0	0	9563	0.165	0.165	0	0
9564	0.142	0.142	0	0	9565	0.142	0.142	0	0
9566	0.164	0.164	0	0	9567	0.164	0.164	0	0
9568	0.128	0.128	0	0	9569	0.163	0.163	0	0
9570	0.162	0.162	0	0	9571	0.161	0.161	0	0
9572	0.138	0.138	0	0	9573	0.159	0.159	0	0
9574	0.119	0.119	0	0	9575	0.156	0.156	0	0
9576	0.146	0.146	0	0	9577	0.117	0.117	0	0
9578	0.126	0.126	0	0	9579	0.119	0.119	0	0
9580	0.124	0.124	0	0	9581	0.125	0.125	0	0
9582	0.142	0.142	0	0	9583	0.111	0.111	0	0
9584	0.13	0.13	0	0	9585	0.136	0.136	0	0
9586	0.112	0.112	0	0	9587	0.108	0.108	0	0
9588	0.147	0.147	0	0	9589	0.143	0.143	0	0
9590	0.118	0.118	0	0	9591	0.112	0.112	0	0
9592	0.156	0.156	0	0	9593	0.124	0.124	0	0
9594	0.13	0.13	0	0	9595	0.114	0.114	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
9596	0.101	0.101	0	0	9597	0.159	0.159	0	0
9598	0.116	0.116	0	0	9599	0.115	0.115	0	0
9600	0.111	0.111	0	0	9601	0.13	0.13	0	0
9602	0.127	0.127	0	0	9603	0.114	0.114	0	0
9604	0.127	0.127	0	0	9605	0.106	0.106	0	0
9606	0.117	0.117	0	0	9607	0.133	0.133	0	0
9608	0.053	0.053	0	0	9609	0.106	0.106	0	0
9610	0.085	0.085	0	0	9611	0.063	0.063	0	0
9612	0.063	0.063	0	0	9613	0.063	0.063	0	0
9614	0.138	0.138	0	0	9615	0.181	0.181	0	0
9616	0.134	0.134	0	0	9617	0.104	0.104	0	0
9618	0.135	0.135	0	0	9619	0.123	0.123	0	0
9620	0.117	0.117	0	0	9621	0.121	0.121	0	0
9622	0.102	0.102	0	0	9623	0.093	0.093	0	0
9624	0.101	0.101	0	0	9625	0.104	0.104	0	0
9626	0.11	0.11	0	0	9627	0.108	0.108	0	0
9628	0.102	0.102	0	0	9629	0.128	0.128	0	0
9630	0.11	0.11	0	0	9631	0.116	0.116	0	0
9632	0.093	0.093	0	0	9633	0.097	0.097	0	0
9634	0.102	0.102	0	0	9635	0.102	0.102	0	0
9636	0.12	0.12	0	0	9637	0.096	0.096	0	0
9638	0.11	0.11	0	0	9639	0.105	0.105	0	0
9640	0.115	0.115	0	0	9641	0.105	0.105	0	0
9642	0.129	0.129	0	0	9643	0.1	0.1	0	0
9644	0.115	0.115	0	0	9645	0.11	0.11	0	0
9646	0.114	0.114	0	0	9647	0.106	0.106	0	0
9648	0.105	0.105	0	0	9649	0.102	0.102	0	0
9650	0.083	0.083	0	0	9651	0.102	0.102	0	0
9652	0.118	0.118	0	0	9653	0.119	0.119	0	0
9654	0.102	0.102	0	0	9655	0.102	0.102	0	0
9656	0.134	0.134	0	0	9657	0.102	0.102	0	0
9658	0.121	0.121	0	0	9659	0.123	0.123	0	0
9660	0.1	0.1	0	0	9661	0.085	0.085	0	0
9662	0.095	0.095	0	0	9663	0.109	0.109	0	0
9664	0.105	0.105	0	0	9665	0.101	0.101	0	0
9666	0.094	0.094	0	0	9667	0.102	0.102	0	0
9668	0.11	0.11	0	0	9669	0.113	0.113	0	0
9670	0.105	0.105	0	0	9671	0.12	0.12	0	0
9672	0.091	0.091	0	0	9673	0.118	0.118	0	0
9674	0.095	0.095	0	0	9675	0.097	0.097	0	0
9676	0.096	0.096	0	0	9677	0.09	0.09	0	0
9678	0.117	0.117	0	0	9679	0.09	0.09	0	0
9680	0.088	0.088	0	0	9681	0.092	0.092	0	0
9682	0.088	0.088	0	0	9683	0.089	0.089	0	0
9684	0.088	0.088	0	0	9685	0.096	0.096	0	0
9686	0.094	0.094	0	0	9687	0.089	0.089	0	0
9688	0.088	0.088	0	0	9689	0.084	0.084	0	0
9690	0.086	0.086	0	0	9691	0.085	0.085	0	0
9692	0.08	0.08	0	0	9693	0.081	0.081	0	0
9694	0.082	0.082	0	0	9695	0.08	0.08	0	0
9696	0.083	0.083	0	0	9697	0.042	0.042	0	0
9698	1.653	1.653	0	0	9699	0.678	0.678	0	0
9700	0.737	0.737	0	0	9701	0.739	0.739	0	0
9702	0.851	0.851	0	0	9703	0.966	0.966	0	0
9704	0.971	0.971	0	0	9705	0.954	0.954	0	0
9706	0.935	0.935	0	0	9707	0.935	0.935	0	0
9708	0.934	0.934	0	0	9709	0.932	0.932	0	0
9710	0.884	0.884	0	0	9711	0.834	0.834	0	0
9712	0.829	0.829	0	0	9713	0.421	0.421	0	0
9714	0.856	0.856	0	0	9715	0.856	0.856	0	0
9716	0.856	0.856	0	0	9717	0.856	0.856	0	0
9718	0.11	0.11	0	0	9719	1.11	1.11	0	0
9720	1.11	1.11	0	0	9721	1.11	1.11	0	0
9723	0.173	0.173	0	0	9725	0.142	0.142	0	0
9727	0.14	0.14	0	0	9729	0.142	0.142	0	0
9731	0.149	0.149	0	0	9733	0.153	0.153	0	0
9735	0.154	0.154	0	0	9737	0.154	0.154	0	0
9738	3.54	3.54	0	0	9739	0.856	0.856	0	0
9740	0.856	0.856	0	0	9741	0.856	0.856	0	0
9742	0.856	0.856	0	0	9743	0.856	0.856	0	0
9744	9.074	9.074	0	0	9745	12.104	12.104	0	0
9746	9.043	9.043	0	0	9747	0.101	0.101	0	0
9752	1.11	1.11	0	0	9753	2.278	2.278	0	0
9754	0.48	0.48	0	0	9755	0.805	0.805	0	0
9756	0.804	0.804	0	0	9757	0.802	0.802	0	0
9758	0.797	0.797	0	0	9759	0.364	0.364	0	0
9761	0.094	0.094	0	0	9763	0.107	0.107	0	0
9765	0.12	0.12	0	0	9767	0.12	0.12	0	0
9769	0.12	0.12	0	0	9771	0.102	0.102	0	0
9773	0.123	0.123	0	0	9775	0.159	0.159	0	0
9777	2.5	2.5	0	0	9778	0.856	0.856	0	0
9779	0.856	0.856	0	0	9780	7.441	7.441	0	0
9781	15.071	15.071	0	0	9782	16.339	16.339	0	0
9783	17.243	17.243	0	0	9784	1.11	1.11	0	0
9785	6.133	6.133	0	0	9786	0.856	0.856	0	0
9787	0.125	0.125	0	0	9789	0.12	0.12	0	0
9791	0.123	0.123	0	0	9793	0.132	0.132	0	0
9794	0.133	0.133	0	0	9795	0.121	0.121	0	0
9796	0.112	0.112	0	0	9797	0.856	0.856	0	0
9798	0.856	0.856	0	0	9799	10.242	10.242	0	0
9800	25.676	25.676	0	0	9801	1.11	1.11	0	0
9802	15.432	15.432	0	0	9803	0.856	0.856	0	0
9804	0.145	0.145	0	0	9805	0.121	0.121	0	0
9806	0.102	0.102	0	0	9807	0.099	0.099	0	0
9808	0.099	0.099	0	0	9809	0.092	0.092	0	0
9810	0.09	0.09	0	0	9811	0.856	0.856	0	0
9812	0.856	0.856	0	0	9813	9.823	9.823	0	0
9814	24.583	24.583	0	0	9815	1.11	1.11	0	0
9816	14.773	14.773	0	0	9817	0.856	0.856	0	0
9818	0.129	0.129	0	0	9819	0.117	0.117	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
9820	0.106	0.106	0	0	9821	0.105	0.105	0	0
9822	0.104	0.104	0	0	9823	0.096	0.096	0	0
9824	0.094	0.094	0	0	9825	0.856	0.856	0	0
9826	0.856	0.856	0	0	9827	0.856	0.856	0	0
9828	0.856	0.856	0	0	9829	13.842	13.842	0	0
9830	12.593	12.593	0	0	9831	12.417	12.417	0	0
9832	15.139	15.139	0	0	9833	17.253	17.253	0	0
9834	18.138	18.138	0	0	9835	1.11	1.11	0	0
9836	6.218	6.218	0	0	9837	5.998	5.998	0	0
9838	0.856	0.856	0	0	9839	0.153	0.153	0	0
9840	0.126	0.126	0	0	9841	0.104	0.104	0	0
9842	0.102	0.102	0	0	9843	0.1	0.1	0	0
9844	0.103	0.103	0	0	9845	0.111	0.111	0	0
9846	0.856	0.856	0	0	9847	0.856	0.856	0	0
9848	22.898	22.898	0	0	9849	29.64	29.64	0	0
9850	25.503	25.503	0	0	9851	1.11	1.11	0	0
9852	15.394	15.394	0	0	9853	0.856	0.856	0	0
9854	0.155	0.155	0	0	9855	0.126	0.126	0	0
9856	0.097	0.097	0	0	9857	0.094	0.094	0	0
9858	0.096	0.096	0	0	9859	0.097	0.097	0	0
9860	0.1	0.1	0	0	9861	0.856	0.856	0	0
9862	0.856	0.856	0	0	9863	30.266	30.266	0	0
9864	26.047	26.047	0	0	9865	1.11	1.11	0	0
9866	23.378	23.378	0	0	9867	15.749	15.749	0	0
9868	0.856	0.856	0	0	9869	0.109	0.109	0	0
9870	0.109	0.109	0	0	9871	0.121	0.121	0	0
9872	0.133	0.133	0	0	9873	0.131	0.131	0	0
9874	0.122	0.122	0	0	9875	0.126	0.126	0	0
9876	0.856	0.856	0	0	9877	0.856	0.856	0	0
9878	0.856	0.856	0	0	9879	4.908	4.908	0	0
9880	17.437	17.437	0	0	9881	15.315	15.315	0	0
9882	18.051	18.051	0	0	9883	14.826	14.826	0	0
9884	12.514	12.514	0	0	9885	14.004	14.004	0	0
9886	1.11	1.11	0	0	9887	6.42	6.42	0	0
9888	4.238	4.238	0	0	9889	0.856	0.856	0	0
9890	0.89	0.89	0	0	9891	0.875	0.875	0	0
9893	0.873	0.873	0	0	9894	4.552	4.552	0	0
9895	9.252	9.252	0	0	9896	9.965	9.965	0	0
9897	0.871	0.871	0	0	9900	0.644	0.644	0	0
9901	0.72	0.72	0	0	9905	1.011	1.011	0	0
9906	5.673	5.673	0	0	9907	0.576	0.576	0	0
9909	0.134	0.134	0	0	9910	0.121	0.121	0	0
9911	0.113	0.113	0	0	9912	0.112	0.112	0	0
9913	0.112	0.112	0	0	9914	0.125	0.125	0	0
9915	0.139	0.139	0	0	9916	13.947	13.947	0	0
9917	0.114	0.114	0	0	9918	0.108	0.108	0	0
9919	0.109	0.109	0	0	9920	0.111	0.111	0	0
9921	0.134	0.134	0	0	9922	0.17	0.17	0	0
9923	13.993	13.993	0	0	9924	0.14	0.14	0	0
9925	0.106	0.106	0	0	9926	0.104	0.104	0	0
9927	0.098	0.098	0	0	9928	0.097	0.097	0	0
9929	0.103	0.103	0	0	9930	0.108	0.108	0	0
9931	5.815	5.815	0	0	9932	0.113	0.113	0	0
9933	0.128	0.128	0	0	9934	0.143	0.143	0	0
9935	0.146	0.146	0	0	9936	0.143	0.143	0	0
9937	0.147	0.147	0	0	9938	0.13	0.13	0	0
9939	14.364	14.364	0	0	9940	0.117	0.117	0	0
9941	0.11	0.11	0	0	9942	0.11	0.11	0	0
9943	0.11	0.11	0	0	9944	0.128	0.128	0	0
9945	0.153	0.153	0	0	9946	14.382	14.382	0	0
9947	0.135	0.135	0	0	9948	0.133	0.133	0	0
9949	0.135	0.135	0	0	9950	0.134	0.134	0	0
9951	0.124	0.124	0	0	9952	0.116	0.116	0	0
9953	0.112	0.112	0	0	9954	5.971	5.971	0	0
9955	0.132	0.132	0	0	9956	0.115	0.115	0	0
9957	0.098	0.098	0	0	9958	0.095	0.095	0	0
9959	0.094	0.094	0	0	9960	0.122	0.122	0	0
9961	0.152	0.152	0	0	9962	14.068	14.068	0	0
9963	0.125	0.125	0	0	9964	0.11	0.11	0	0
9965	0.109	0.109	0	0	9966	0.109	0.109	0	0
9967	0.112	0.112	0	0	9968	0.12	0.12	0	0
9969	13.988	13.988	0	0	9970	0.127	0.127	0	0
9971	0.129	0.129	0	0	9972	0.134	0.134	0	0
9973	0.131	0.131	0	0	9974	0.12	0.12	0	0
9975	0.12	0.12	0	0	9976	0.139	0.139	0	0
9977	0.481	0.481	0	0	9978	0.856	0.856	0	0
9979	0.856	0.856	0	0	9980	0.856	0.856	0	0
9981	0.856	0.856	0	0	9982	1.886	1.886	0	0
9983	2.466	2.466	0	0	9984	1.346	1.346	0	0
9985	0.856	0.856	0	0	9986	0.856	0.856	0	0
9987	0.856	0.856	0	0	9988	0.856	0.856	0	0
9989	0.856	0.856	0	0	9990	0.856	0.856	0	0
9991	0.856	0.856	0	0	9992	0.101	0.101	0	0
9993	1.11	1.11	0	0	9994	1.11	1.11	0	0
9995	1.11	1.11	0	0	9996	6.944	6.944	0	0
9997	12.123	12.123	0	0	9998	9.766	9.766	0	0
9999	9.036	9.036	0	0	10000	1.11	1.11	0	0
10001	1.11	1.11	0	0	10002	1.11	1.11	0	0
10003	1.11	1.11	0	0	10004	1.11	1.11	0	0
10005	1.11	1.11	0	0	10006	1.713	1.713	0	0
10007	0.642	0.642	0	0	10008	0.823	0.823	0	0
10009	0.823	0.823	0	0	10010	5.988	5.988	0	0
10011	9.839	9.839	0	0	10012	0.823	0.823	0	0
10013	1.636	1.636	0	0	10014	1.641	1.641	0	0
10015	3.353	3.353	0	0	10016	1.88	1.88	0	0
10017	1.9	1.9	0	0	10018	0.823	0.823	0	0
10019	0.822	0.822	0	0	10020	0.822	0.822	0	0
10021	0.856	0.856	0	0	10022	0.856	0.856	0	0
10023	0.856	0.856	0	0	10024	0.856	0.856	0	0
10025	0.856	0.856	0	0	10026	0.856	0.856	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
10027	10.464	10.464	0	0	10028	17.721	17.721	0	0
10029	1.11	1.11	0	0	10030	4.273	4.273	0	0
10031	6.944	6.944	0	0	10032	7.281	7.281	0	0
10033	12.945	12.945	0	0	10034	14.916	14.916	0	0
10035	0.779	0.779	0	0	10036	11.919	11.919	0	0
10037	2.622	2.622	0	0	10038	0.657	0.657	0	0
10039	0.506	0.506	0	0	10040	0.506	0.506	0	0
10042	0.778	0.778	0	0	10043	0.021	0.021	0	0
10044	0.979	0.979	0	0	10045	0.043	0.043	0	0
10047	0.053	0.053	0	0	10048	0.063	0.063	0	0
10049	0.063	0.063	0	0	10050	0.063	0.063	0	0
10051	0.075	0.075	0	0	10052	0.391	0.391	0	0
10053	1.18	1.18	0	0	10054	0.701	0.701	0	0
10055	0.856	0.856	0	0	10056	0.856	0.856	0	0
10057	0.856	0.856	0	0	10058	0.856	0.856	0	0
10059	12.176	12.176	0	0	10060	14.409	14.409	0	0
10061	17.138	17.138	0	0	10062	17.457	17.457	0	0
10063	1.11	1.11	0	0	10064	4.825	4.825	0	0
10065	0.706	0.706	0	0	10066	1.53	1.53	0	0
10067	0.708	0.708	0	0	10068	1.531	1.531	0	0
10069	0.708	0.708	0	0	10070	1.532	1.532	0	0
10071	0.709	0.709	0	0	10072	1.531	1.531	0	0
10073	0.709	0.709	0	0	10074	1.53	1.53	0	0
10075	0.71	0.71	0	0	10076	0.856	0.856	0	0
10077	0.856	0.856	0	0	10078	0.856	0.856	0	0
10079	0.856	0.856	0	0	10080	0.856	0.856	0	0
10081	0.856	0.856	0	0	10082	0.856	0.856	0	0
10083	0.856	0.856	0	0	10084	0.856	0.856	0	0
10085	23.865	23.865	0	0	10086	15.548	15.548	0	0
10087	19.376	19.376	0	0	10088	15.515	15.515	0	0
10089	23.779	23.779	0	0	10090	23.779	23.779	0	0
10091	2.388	2.388	0	0	10092	24.474	24.474	0	0
10093	24.474	24.474	0	0	10094	2.458	2.458	0	0
10095	23.952	23.952	0	0	10096	1.11	1.11	0	0
10097	2.656	2.656	0	0	10098	1.284	1.284	0	0
10099	1.284	1.284	0	0	10100	0.71	0.71	0	0
10101	13.628	13.628	0	0	10102	13.928	13.928	0	0
10103	1.351	1.351	0	0	10104	0.711	0.711	0	0
10105	1.345	1.345	0	0	10106	0.711	0.711	0	0
10107	1.298	1.298	0	0	10108	0.712	0.712	0	0
10109	1.249	1.249	0	0	10110	0.712	0.712	0	0
10111	1.249	1.249	0	0	10112	0.713	0.713	0	0
10113	1.25	1.25	0	0	10114	1.375	1.375	0	0
10115	0.713	0.713	0	0	10116	1.522	1.522	0	0
10118	0.713	0.713	0	0	10119	9.948	9.948	0	0
10120	8.345	8.345	0	0	10121	1.284	1.284	0	0
10122	1.284	1.284	0	0	10123	0.083	0.083	0	0
10124	0.086	0.086	0	0	10125	0.087	0.087	0	0
10126	0.088	0.088	0	0	10127	0.088	0.088	0	0
10128	0.087	0.087	0	0	10129	0.4	0.4	0	0
10130	0.856	0.856	0	0	10131	0.856	0.856	0	0
10132	0.856	0.856	0	0	10133	0.856	0.856	0	0
10134	0.856	0.856	0	0	10135	0.856	0.856	0	0
10136	0.856	0.856	0	0	10137	0.856	0.856	0	0
10138	0.856	0.856	0	0	10139	1.634	1.634	0	0
10140	12.959	12.959	0	0	10141	8.857	8.857	0	0
10142	10.443	10.443	0	0	10143	9.963	9.963	0	0
10144	9.963	9.963	0	0	10145	17.226	17.226	0	0
10146	13.16	13.16	0	0	10147	4.68	4.68	0	0
10148	10.213	10.213	0	0	10149	10.183	10.183	0	0
10150	1.11	1.11	0	0	10151	5.359	5.359	0	0
10152	2.067	2.067	0	0	10153	1.214	1.214	0	0
10154	0.096	0.096	0	0	10155	0.096	0.096	0	0
10156	0.632	0.632	0	0	10157	0.632	0.632	0	0
10158	0.632	0.632	0	0	10159	6.74	6.74	0	0
10160	11.731	11.731	0	0	10161	7.525	7.525	0	0
10162	0.093	0.093	0	0	10163	0.122	0.122	0	0
10164	0.057	0.057	0	0	10165	0.057	0.057	0	0
10166	0.111	0.111	0	0	10167	0.175	0.175	0	0
10168	0.134	0.134	0	0	10169	0.062	0.062	0	0
10170	0.062	0.062	0	0	10171	0.106	0.106	0	0
10172	0.156	0.156	0	0	10173	0.096	0.096	0	0
10174	0.076	0.076	0	0	10175	0.055	0.055	0	0
10176	0.055	0.055	0	0	10177	0.055	0.055	0	0
10178	0.079	0.079	0	0	10179	0.105	0.105	0	0
10180	0.074	0.074	0	0	10181	0.074	0.074	0	0
10182	0.109	0.109	0	0	10183	0.113	0.113	0	0
10184	0.055	0.055	0	0	10185	0.055	0.055	0	0
10186	0.055	0.055	0	0	10187	0.084	0.084	0	0
10188	0.106	0.106	0	0	10189	0.06	0.06	0	0
10190	0.06	0.06	0	0	10191	0.06	0.06	0	0
10192	0.088	0.088	0	0	10193	0.111	0.111	0	0
10194	0.055	0.055	0	0	10195	0.055	0.055	0	0
10196	0.055	0.055	0	0	10197	0.093	0.093	0	0
10198	0.117	0.117	0	0	10199	0.055	0.055	0	0
10200	0.055	0.055	0	0	10201	0.055	0.055	0	0
10202	0.088	0.088	0	0	10203	0.103	0.103	0	0
10204	0.074	0.074	0	0	10205	0.074	0.074	0	0
10206	0.108	0.108	0	0	10207	0.124	0.124	0	0
10208	0.074	0.074	0	0	10209	0.074	0.074	0	0
10210	0.1	0.1	0	0	10211	0.096	0.096	0	0
10212	0.055	0.055	0	0	10213	0.055	0.055	0	0
10214	0.055	0.055	0	0	10215	0.111	0.111	0	0
10216	0.107	0.107	0	0	10217	0.06	0.06	0	0
10218	0.06	0.06	0	0	10219	0.06	0.06	0	0
10220	0.125	0.125	0	0	10221	0.122	0.122	0	0
10222	0.055	0.055	0	0	10223	0.055	0.055	0	0
10224	0.055	0.055	0	0	10225	0.095	0.095	0	0
10226	0.099	0.099	0	0	10227	0.074	0.074	0	0
10228	0.074	0.074	0	0	10229	0.116	0.116	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
10230	0.104	0.104	0	0	10231	0.06	0.06	0	0
10232	0.06	0.06	0	0	10233	0.06	0.06	0	0
10234	0.123	0.123	0	0	10235	0.112	0.112	0	0
10236	0.074	0.074	0	0	10237	0.074	0.074	0	0
10238	0.103	0.103	0	0	10239	0.103	0.103	0	0
10240	0.055	0.055	0	0	10241	0.055	0.055	0	0
10242	0.055	0.055	0	0	10243	0.119	0.119	0	0
10244	0.117	0.117	0	0	10245	0.06	0.06	0	0
10246	0.06	0.06	0	0	10247	0.06	0.06	0	0
10248	0.103	0.103	0	0	10249	0.106	0.106	0	0
10250	0.074	0.074	0	0	10251	0.074	0.074	0	0
10252	0.104	0.104	0	0	10253	0.102	0.102	0	0
10254	0.06	0.06	0	0	10255	0.06	0.06	0	0
10256	0.06	0.06	0	0	10257	0.111	0.111	0	0
10258	0.131	0.131	0	0	10259	0.133	0.133	0	0
10260	0.136	0.136	0	0	10261	0.143	0.143	0	0
10262	0.145	0.145	0	0	10263	0.158	0.158	0	0
10264	0.131	0.131	0	0	10265	0.132	0.132	0	0
10266	0.135	0.135	0	0	10267	0.125	0.125	0	0
10268	0.128	0.128	0	0	10269	0.141	0.141	0	0
10270	0.12	0.12	0	0	10271	0.154	0.154	0	0
10272	0.116	0.116	0	0	10273	0.14	0.14	0	0
10274	0.117	0.117	0	0	10275	0.144	0.144	0	0
10276	0.118	0.118	0	0	10277	0.132	0.132	0	0
10278	0.122	0.122	0	0	10279	0.143	0.143	0	0
10280	0.133	0.133	0	0	10281	0.142	0.142	0	0
10282	0.147	0.147	0	0	10283	0.14	0.14	0	0
10284	0.137	0.137	0	0	10285	0.142	0.142	0	0
10286	0.129	0.129	0	0	10287	0.217	0.217	0	0
10288	0.165	0.165	0	0	10289	0.173	0.173	0	0
10290	0.151	0.151	0	0	10291	0.147	0.147	0	0
10292	0.14	0.14	0	0	10293	0.151	0.151	0	0
10294	0.157	0.157	0	0	10295	0.17	0.17	0	0
10296	0.152	0.152	0	0	10297	0.16	0.16	0	0
10298	0.133	0.133	0	0	10299	0.22	0.22	0	0
10300	0.165	0.165	0	0	10301	0.184	0.184	0	0
10302	0.173	0.173	0	0	10303	0.154	0.154	0	0
10304	0.15	0.15	0	0	10305	0.165	0.165	0	0
10306	0.182	0.182	0	0	10307	0.177	0.177	0	0
10308	0.168	0.168	0	0	10309	0.186	0.186	0	0
10310	0.222	0.222	0	0	10311	0.172	0.172	0	0
10312	0.16	0.16	0	0	10313	0.153	0.153	0	0
10314	0.151	0.151	0	0	10315	0.134	0.134	0	0
10316	0.224	0.224	0	0	10317	0.171	0.171	0	0
10318	0.166	0.166	0	0	10319	0.156	0.156	0	0
10320	0.17	0.17	0	0	10321	0.152	0.152	0	0
10322	0.169	0.169	0	0	10323	0.188	0.188	0	0
10324	0.164	0.164	0	0	10325	0.147	0.147	0	0
10326	0.086	0.086	0	0	10327	0.161	0.161	0	0
10328	0.161	0.161	0	0	10329	0.162	0.162	0	0
10330	0.184	0.184	0	0	10331	0.162	0.162	0	0
10332	0.161	0.161	0	0	10333	0.161	0.161	0	0
10334	0.159	0.159	0	0	10335	0.156	0.156	0	0
10336	0.162	0.162	0	0	10337	0.155	0.155	0	0
10338	0.151	0.151	0	0	10339	0.181	0.181	0	0
10340	0.149	0.149	0	0	10341	0.158	0.158	0	0
10342	0.168	0.168	0	0	10343	0.168	0.168	0	0
10344	0.171	0.171	0	0	10345	0.171	0.171	0	0
10346	0.171	0.171	0	0	10347	0.156	0.156	0	0
10348	0.131	0.131	0	0	10349	0.142	0.142	0	0
10350	0.136	0.136	0	0	10351	0.13	0.13	0	0
10352	0.179	0.179	0	0	10353	0.042	0.042	0	0
10354	0.041	0.041	0	0	10355	0.059	0.059	0	0
10356	0.061	0.061	0	0	10357	0.049	0.049	0	0
10358	0.051	0.051	0	0	10359	0.05	0.05	0	0
10360	0.05	0.05	0	0	10361	0.142	0.142	0	0
10362	0.144	0.144	0	0	10363	0.146	0.146	0	0
10364	0.104	0.104	0	0	10365	0.104	0.104	0	0
10366	0.091	0.091	0	0	10367	0.195	0.195	0	0
10368	0.114	0.114	0	0	10369	0.078	0.078	0	0
10370	0.169	0.169	0	0	10371	0.107	0.107	0	0
10372	0.053	0.053	0	0	10373	0.063	0.063	0	0
10374	0.073	0.073	0	0	10375	0.081	0.081	0	0
10376	0.087	0.087	0	0	10377	0.066	0.066	0	0
10378	0.078	0.078	0	0	10379	0.068	0.068	0	0
10380	0.085	0.085	0	0	10381	0.069	0.069	0	0
10382	0.087	0.087	0	0	10383	0.066	0.066	0	0
10384	0.071	0.071	0	0	10385	0.062	0.062	0	0
10386	0.068	0.068	0	0	10387	0.078	0.078	0	0
10388	0.075	0.075	0	0	10389	0.083	0.083	0	0
10390	0.082	0.082	0	0	10391	0.074	0.074	0	0
10392	0.077	0.077	0	0	10393	0.072	0.072	0	0
10394	0.068	0.068	0	0	10395	0.063	0.063	0	0
10396	0.063	0.063	0	0	10397	0.093	0.093	0	0
10398	0.077	0.077	0	0	10399	0.073	0.073	0	0
10400	0.078	0.078	0	0	10401	0.092	0.092	0	0
10402	0.091	0.091	0	0	10403	0.078	0.078	0	0
10404	0.076	0.076	0	0	10405	0.073	0.073	0	0
10406	0.151	0.151	0	0	10407	0.143	0.143	0	0
10408	0.164	0.164	0	0	10409	0.141	0.141	0	0
10410	0.137	0.137	0	0	10411	0.135	0.135	0	0
10412	0.146	0.146	0	0	10413	0.157	0.157	0	0
10414	0.153	0.153	0	0	10415	0.14	0.14	0	0
10416	0.133	0.133	0	0	10417	0.141	0.141	0	0
10418	0.149	0.149	0	0	10419	0.133	0.133	0	0
10420	0.154	0.154	0	0	10421	0.15	0.15	0	0
10422	0.139	0.139	0	0	10423	0.143	0.143	0	0
10424	0.154	0.154	0	0	10425	0.122	0.122	0	0
10426	0.153	0.153	0	0	10427	0.155	0.155	0	0
10428	0.155	0.155	0	0	10429	0.148	0.148	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
10430	0.08	0.08	0	0	10431	0.091	0.091	0	0
10432	0.228	0.228	0	0	10433	0.179	0.179	0	0
10434	0.16	0.16	0	0	10435	0.155	0.155	0	0
10436	0.146	0.146	0	0	10437	0.142	0.142	0	0
10438	0.161	0.161	0	0	10439	0.225	0.225	0	0
10440	0.176	0.176	0	0	10441	0.16	0.16	0	0
10442	0.153	0.153	0	0	10443	0.177	0.177	0	0
10444	0.225	0.225	0	0	10445	0.159	0.159	0	0
10446	0.174	0.174	0	0	10447	0.162	0.162	0	0
10448	0.153	0.153	0	0	10449	0.225	0.225	0	0
10450	0.124	0.124	0	0	10451	0.172	0.172	0	0
10452	0.166	0.166	0	0	10453	0.153	0.153	0	0
10454	0.17	0.17	0	0	10455	0.168	0.168	0	0
10456	0.189	0.189	0	0	10457	0.153	0.153	0	0
10458	0.147	0.147	0	0	10459	0.087	0.087	0	0
10460	0.161	0.161	0	0	10461	0.145	0.145	0	0
10462	0.161	0.161	0	0	10463	0.161	0.161	0	0
10464	0.132	0.132	0	0	10465	0.161	0.161	0	0
10466	0.161	0.161	0	0	10467	0.161	0.161	0	0
10468	0.159	0.159	0	0	10469	0.16	0.16	0	0
10470	0.158	0.158	0	0	10471	0.157	0.157	0	0
10472	0.156	0.156	0	0	10473	0.157	0.157	0	0
10474	0.161	0.161	0	0	10475	0.161	0.161	0	0
10476	0.166	0.166	0	0	10477	0.168	0.168	0	0
10478	0.168	0.168	0	0	10479	0.165	0.165	0	0
10480	0.106	0.106	0	0	10481	0.113	0.113	0	0
10482	0.167	0.167	0	0	10483	0.154	0.154	0	0
10484	0.079	0.079	0	0	10485	0.111	0.111	0	0
10486	0.11	0.11	0	0	10487	0.155	0.155	0	0
10488	0.174	0.174	0	0	10489	0.144	0.144	0	0
10490	0.08	0.08	0	0	10491	0.156	0.156	0	0
10492	0.161	0.161	0	0	10493	0.155	0.155	0	0
10494	0.147	0.147	0	0	10495	0.164	0.164	0	0
10496	0.175	0.175	0	0	10497	0.165	0.165	0	0
10498	0.15	0.15	0	0	10499	0.15	0.15	0	0
10500	0.072	0.072	0	0	10501	0.075	0.075	0	0
10502	0.071	0.071	0	0	10503	0.071	0.071	0	0
10504	0.071	0.071	0	0	10505	0.073	0.073	0	0
10506	0.062	0.062	0	0	10507	0.04	0.04	0	0
10508	0.038	0.038	0	0	10509	0.043	0.043	0	0
10510	0.039	0.039	0	0	10511	0.043	0.043	0	0
10512	0.036	0.036	0	0	10513	0.051	0.051	0	0
10514	0.041	0.041	0	0	10515	0.042	0.042	0	0
10516	0.039	0.039	0	0	10517	0.052	0.052	0	0
10518	0.037	0.037	0	0	10519	0.147	0.147	0	0
10520	0.146	0.146	0	0	10521	0.159	0.159	0	0
10522	0.146	0.146	0	0	10523	0.144	0.144	0	0
10524	0.152	0.152	0	0	10525	0.155	0.155	0	0
10526	0.145	0.145	0	0	10527	0.14	0.14	0	0
10528	0.156	0.156	0	0	10529	0.127	0.127	0	0
10530	0.104	0.104	0	0	10531	0.104	0.104	0	0
10532	0.092	0.092	0	0	10533	0.196	0.196	0	0
10534	0.114	0.114	0	0	10535	0.079	0.079	0	0
10536	0.17	0.17	0	0	10537	0.107	0.107	0	0
10538	0.053	0.053	0	0	10539	0.068	0.068	0	0
10540	0.071	0.071	0	0	10541	0.064	0.064	0	0
10542	0.066	0.066	0	0	10543	0.069	0.069	0	0
10544	0.076	0.076	0	0	10545	0.072	0.072	0	0
10546	0.083	0.083	0	0	10547	0.057	0.057	0	0
10548	0.064	0.064	0	0	10549	0.068	0.068	0	0
10550	0.071	0.071	0	0	10551	0.054	0.054	0	0
10552	0.058	0.058	0	0	10553	0.061	0.061	0	0
10554	0.075	0.075	0	0	10555	0.061	0.061	0	0
10556	0.062	0.062	0	0	10557	0.064	0.064	0	0
10558	0.066	0.066	0	0	10559	0.073	0.073	0	0
10560	0.068	0.068	0	0	10561	0.054	0.054	0	0
10562	0.054	0.054	0	0	10563	0.069	0.069	0	0
10564	0.065	0.065	0	0	10565	0.075	0.075	0	0
10566	0.076	0.076	0	0	10567	0.068	0.068	0	0
10568	0.069	0.069	0	0	10569	0.077	0.077	0	0
10570	0.078	0.078	0	0	10571	0.069	0.069	0	0
10572	0.142	0.142	0	0	10573	0.145	0.145	0	0
10574	0.151	0.151	0	0	10575	0.14	0.14	0	0
10576	0.145	0.145	0	0	10577	0.156	0.156	0	0
10578	0.15	0.15	0	0	10579	0.145	0.145	0	0
10580	0.162	0.162	0	0	10581	0.149	0.149	0	0
10582	0.141	0.141	0	0	10583	0.231	0.231	0	0
10584	0.167	0.167	0	0	10585	0.157	0.157	0	0
10586	0.181	0.181	0	0	10587	0.163	0.163	0	0
10588	0.156	0.156	0	0	10589	0.157	0.157	0	0
10590	0.147	0.147	0	0	10591	0.228	0.228	0	0
10592	0.155	0.155	0	0	10593	0.178	0.178	0	0
10594	0.163	0.163	0	0	10595	0.118	0.118	0	0
10596	0.164	0.164	0	0	10597	0.227	0.227	0	0
10598	0.164	0.164	0	0	10599	0.102	0.102	0	0
10600	0.154	0.154	0	0	10601	0.175	0.175	0	0
10602	0.165	0.165	0	0	10603	0.226	0.226	0	0
10604	0.164	0.164	0	0	10605	0.126	0.126	0	0
10606	0.153	0.153	0	0	10607	0.173	0.173	0	0
10608	0.166	0.166	0	0	10609	0.106	0.106	0	0
10610	0.171	0.171	0	0	10611	0.168	0.168	0	0
10612	0.189	0.189	0	0	10613	0.13	0.13	0	0
10614	0.145	0.145	0	0	10615	0.088	0.088	0	0
10616	0.161	0.161	0	0	10617	0.161	0.161	0	0
10618	0.109	0.109	0	0	10619	0.098	0.098	0	0
10620	0.099	0.099	0	0	10621	0.161	0.161	0	0
10622	0.161	0.161	0	0	10623	0.178	0.178	0	0
10624	0.161	0.161	0	0	10625	0.161	0.161	0	0
10626	0.08	0.08	0	0	10627	0.091	0.091	0	0
10628	0.161	0.161	0	0	10629	0.16	0.16	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
10630	0.16	0.16	0	0	10631	0.112	0.112	0	0
10632	0.16	0.16	0	0	10633	0.107	0.107	0	0
10634	0.161	0.161	0	0	10635	0.111	0.111	0	0
10636	0.163	0.163	0	0	10637	0.091	0.091	0	0
10638	0.094	0.094	0	0	10639	0.159	0.159	0	0
10640	0.165	0.165	0	0	10641	0.114	0.114	0	0
10642	0.166	0.166	0	0	10643	0.114	0.114	0	0
10644	0.166	0.166	0	0	10645	0.122	0.122	0	0
10646	0.101	0.101	0	0	10647	0.158	0.158	0	0
10648	0.165	0.165	0	0	10649	0.113	0.113	0	0
10650	0.108	0.108	0	0	10651	0.163	0.163	0	0
10652	0.16	0.16	0	0	10653	0.125	0.125	0	0
10654	0.092	0.092	0	0	10655	0.093	0.093	0	0
10656	0.093	0.093	0	0	10657	0.114	0.114	0	0
10658	0.107	0.107	0	0	10659	0.099	0.099	0	0
10660	0.09	0.09	0	0	10661	0.142	0.142	0	0
10662	0.073	0.073	0	0	10663	0.07	0.07	0	0
10664	0.076	0.076	0	0	10665	0.079	0.079	0	0
10666	0.063	0.063	0	0	10667	0.071	0.071	0	0
10668	0.066	0.066	0	0	10669	0.062	0.062	0	0
10670	0.074	0.074	0	0	10671	0.065	0.065	0	0
10672	0.074	0.074	0	0	10673	0.075	0.075	0	0
10674	0.075	0.075	0	0	10675	0.164	0.164	0	0
10676	0.151	0.151	0	0	10677	0.146	0.146	0	0
10678	0.16	0.16	0	0	10679	0.16	0.16	0	0
10680	0.146	0.146	0	0	10681	0.142	0.142	0	0
10682	0.113	0.113	0	0	10683	0.154	0.154	0	0
10684	0.142	0.142	0	0	10685	0.157	0.157	0	0
10686	0.145	0.145	0	0	10687	0.104	0.104	0	0
10688	0.104	0.104	0	0	10689	0.092	0.092	0	0
10690	0.197	0.197	0	0	10691	0.114	0.114	0	0
10692	0.079	0.079	0	0	10693	0.171	0.171	0	0
10694	0.107	0.107	0	0	10695	0.053	0.053	0	0
10696	0.068	0.068	0	0	10697	0.068	0.068	0	0
10698	0.056	0.056	0	0	10699	0.056	0.056	0	0
10700	0.071	0.071	0	0	10701	0.074	0.074	0	0
10702	0.072	0.072	0	0	10703	0.081	0.081	0	0
10704	0.053	0.053	0	0	10705	0.054	0.054	0	0
10706	0.069	0.069	0	0	10707	0.07	0.07	0	0
10708	0.051	0.051	0	0	10709	0.053	0.053	0	0
10710	0.053	0.053	0	0	10711	0.075	0.075	0	0
10712	0.052	0.052	0	0	10713	0.053	0.053	0	0
10714	0.061	0.061	0	0	10715	0.062	0.062	0	0
10716	0.072	0.072	0	0	10717	0.07	0.07	0	0
10718	0.051	0.051	0	0	10719	0.05	0.05	0	0
10720	0.058	0.058	0	0	10721	0.062	0.062	0	0
10722	0.075	0.075	0	0	10723	0.077	0.077	0	0
10724	0.057	0.057	0	0	10725	0.059	0.059	0	0
10726	0.074	0.074	0	0	10727	0.08	0.08	0	0
10728	0.045	0.045	0	0	10729	0.101	0.101	0	0
10730	0.232	0.232	0	0	10731	0.157	0.157	0	0
10732	0.147	0.147	0	0	10733	0.182	0.182	0	0
10734	0.23	0.23	0	0	10735	0.164	0.164	0	0
10736	0.102	0.102	0	0	10737	0.103	0.103	0	0
10738	0.103	0.103	0	0	10739	0.1	0.1	0	0
10740	0.119	0.119	0	0	10741	0.228	0.228	0	0
10742	0.113	0.113	0	0	10743	0.155	0.155	0	0
10744	0.099	0.099	0	0	10745	0.226	0.226	0	0
10746	0.179	0.179	0	0	10747	0.099	0.099	0	0
10748	0.087	0.087	0	0	10749	0.154	0.154	0	0
10750	0.164	0.164	0	0	10751	0.154	0.154	0	0
10752	0.105	0.105	0	0	10753	0.189	0.189	0	0
10754	0.122	0.122	0	0	10755	0.135	0.135	0	0
10756	0.088	0.088	0	0	10757	0.108	0.108	0	0
10758	0.149	0.149	0	0	10759	0.093	0.093	0	0
10760	0.106	0.106	0	0	10761	0.1	0.1	0	0
10762	0.146	0.146	0	0	10763	0.102	0.102	0	0
10764	0.101	0.101	0	0	10765	0.176	0.176	0	0
10766	0.151	0.151	0	0	10767	0.161	0.161	0	0
10768	0.165	0.165	0	0	10769	0.103	0.103	0	0
10770	0.173	0.173	0	0	10771	0.098	0.098	0	0
10772	0.103	0.103	0	0	10773	0.141	0.141	0	0
10774	0.167	0.167	0	0	10775	0.161	0.161	0	0
10776	0.171	0.171	0	0	10777	0.103	0.103	0	0
10778	0.169	0.169	0	0	10779	0.13	0.13	0	0
10780	0.161	0.161	0	0	10781	0.1	0.1	0	0
10782	0.1	0.1	0	0	10783	0.161	0.161	0	0
10784	0.117	0.117	0	0	10785	0.109	0.109	0	0
10786	0.141	0.141	0	0	10787	0.111	0.111	0	0
10788	0.162	0.162	0	0	10789	0.153	0.153	0	0
10790	0.098	0.098	0	0	10791	0.088	0.088	0	0
10792	0.128	0.128	0	0	10793	0.085	0.085	0	0
10794	0.162	0.162	0	0	10795	0.091	0.091	0	0
10796	0.164	0.164	0	0	10797	0.088	0.088	0	0
10798	0.156	0.156	0	0	10799	0.162	0.162	0	0
10800	0.162	0.162	0	0	10801	0.155	0.155	0	0
10802	0.1	0.1	0	0	10803	0.106	0.106	0	0
10804	0.162	0.162	0	0	10805	0.097	0.097	0	0
10806	0.162	0.162	0	0	10807	0.177	0.177	0	0
10808	0.17	0.17	0	0	10809	0.163	0.163	0	0
10810	0.164	0.164	0	0	10811	0.165	0.165	0	0
10812	0.165	0.165	0	0	10813	0.179	0.179	0	0
10814	0.125	0.125	0	0	10815	0.165	0.165	0	0
10816	0.163	0.163	0	0	10817	0.094	0.094	0	0
10818	0.13	0.13	0	0	10819	0.161	0.161	0	0
10820	0.165	0.165	0	0	10821	0.17	0.17	0	0
10822	0.158	0.158	0	0	10823	0.156	0.156	0	0
10824	0.093	0.093	0	0	10825	0.156	0.156	0	0
10826	0.178	0.178	0	0	10827	0.177	0.177	0	0
10828	0.078	0.078	0	0	10829	0.091	0.091	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
10830	0.087	0.087	0	0	10831	0.193	0.193	0	0
10832	0.115	0.115	0	0	10833	0.117	0.117	0	0
10834	0.106	0.106	0	0	10835	0.108	0.108	0	0
10836	0.096	0.096	0	0	10837	0.103	0.103	0	0
10838	0.095	0.095	0	0	10839	0.15	0.15	0	0
10840	0.146	0.146	0	0	10841	0.094	0.094	0	0
10842	0.158	0.158	0	0	10843	0.161	0.161	0	0
10844	0.095	0.095	0	0	10845	0.11	0.11	0	0
10846	0.107	0.107	0	0	10847	0.097	0.097	0	0
10848	0.11	0.11	0	0	10849	0.11	0.11	0	0
10850	0.126	0.126	0	0	10851	0.104	0.104	0	0
10852	0.11	0.11	0	0	10853	0.107	0.107	0	0
10854	0.107	0.107	0	0	10855	0.189	0.189	0	0
10856	0.122	0.122	0	0	10857	0.128	0.128	0	0
10858	0.087	0.087	0	0	10859	0.107	0.107	0	0
10860	0.104	0.104	0	0	10861	0.107	0.107	0	0
10862	0.096	0.096	0	0	10863	0.096	0.096	0	0
10864	0.105	0.105	0	0	10865	0.226	0.226	0	0
10866	0.161	0.161	0	0	10867	0.106	0.106	0	0
10868	0.154	0.154	0	0	10869	0.113	0.113	0	0
10870	0.103	0.103	0	0	10871	0.107	0.107	0	0
10872	0.094	0.094	0	0	10873	0.104	0.104	0	0
10874	0.101	0.101	0	0	10875	0.106	0.106	0	0
10876	0.107	0.107	0	0	10877	0.161	0.161	0	0
10878	0.228	0.228	0	0	10879	0.154	0.154	0	0
10880	0.117	0.117	0	0	10881	0.161	0.161	0	0
10882	0.23	0.23	0	0	10883	0.108	0.108	0	0
10884	0.105	0.105	0	0	10885	0.155	0.155	0	0
10886	0.162	0.162	0	0	10887	0.173	0.173	0	0
10888	0.176	0.176	0	0	10889	0.171	0.171	0	0
10890	0.148	0.148	0	0	10891	0.169	0.169	0	0
10892	0.179	0.179	0	0	10893	0.232	0.232	0	0
10894	0.166	0.166	0	0	10895	0.138	0.138	0	0
10896	0.157	0.157	0	0	10897	0.165	0.165	0	0
10898	0.118	0.118	0	0	10899	0.162	0.162	0	0
10900	0.183	0.183	0	0	10901	0.164	0.164	0	0
10902	0.108	0.108	0	0	10903	0.164	0.164	0	0
10904	0.162	0.162	0	0	10905	0.147	0.147	0	0
10906	0.104	0.104	0	0	10907	0.104	0.104	0	0
10908	0.092	0.092	0	0	10909	0.197	0.197	0	0
10910	0.114	0.114	0	0	10911	0.079	0.079	0	0
10912	0.171	0.171	0	0	10913	0.107	0.107	0	0
10914	0.053	0.053	0	0	10915	0.063	0.063	0	0
10916	0.061	0.061	0	0	10917	0.052	0.052	0	0
10918	0.051	0.051	0	0	10919	0.071	0.071	0	0
10920	0.071	0.071	0	0	10921	0.066	0.066	0	0
10922	0.077	0.077	0	0	10923	0.052	0.052	0	0
10924	0.05	0.05	0	0	10925	0.066	0.066	0	0
10926	0.07	0.07	0	0	10927	0.05	0.05	0	0
10928	0.05	0.05	0	0	10929	0.049	0.049	0	0
10930	0.075	0.075	0	0	10931	0.048	0.048	0	0
10932	0.049	0.049	0	0	10933	0.06	0.06	0	0
10934	0.059	0.059	0	0	10935	0.071	0.071	0	0
10936	0.071	0.071	0	0	10937	0.049	0.049	0	0
10938	0.05	0.05	0	0	10939	0.054	0.054	0	0
10940	0.058	0.058	0	0	10941	0.076	0.076	0	0
10942	0.077	0.077	0	0	10943	0.053	0.053	0	0
10944	0.055	0.055	0	0	10945	0.066	0.066	0	0
10946	0.078	0.078	0	0	10947	0.047	0.047	0	0
10948	0.147	0.147	0	0	10949	0.163	0.163	0	0
10950	0.16	0.16	0	0	10951	0.105	0.105	0	0
10952	0.157	0.157	0	0	10953	0.163	0.163	0	0
10954	0.163	0.163	0	0	10955	0.129	0.129	0	0
10956	0.164	0.164	0	0	10957	0.164	0.164	0	0
10958	0.165	0.165	0	0	10959	0.165	0.165	0	0
10960	0.123	0.123	0	0	10961	0.165	0.165	0	0
10962	0.113	0.113	0	0	10963	0.13	0.13	0	0
10964	0.113	0.113	0	0	10965	0.164	0.164	0	0
10966	0.162	0.162	0	0	10967	0.155	0.155	0	0
10968	0.151	0.151	0	0	10969	0.158	0.158	0	0
10970	0.179	0.179	0	0	10971	0.155	0.155	0	0
10972	0.137	0.137	0	0	10973	0.142	0.142	0	0
10974	0.152	0.152	0	0	10975	0.151	0.151	0	0
10976	0.17	0.17	0	0	10977	0.091	0.091	0	0
10978	0.172	0.172	0	0	10979	0.173	0.173	0	0
10980	0.109	0.109	0	0	10981	0.122	0.122	0	0
10982	0.151	0.151	0	0	10983	0.145	0.145	0	0
10984	0.15	0.15	0	0	10985	0.125	0.125	0	0
10986	0.075	0.075	0	0	10987	0.091	0.091	0	0
10988	0.069	0.069	0	0	10989	0.185	0.185	0	0
10990	0.199	0.199	0	0	10991	0.2	0.2	0	0
10992	0.043	0.043	0	0	10993	0.043	0.043	0	0
10994	0.053	0.053	0	0	10995	0.065	0.065	0	0
10996	0.065	0.065	0	0	10997	0.078	0.078	0	0
10998	0.081	0.081	0	0	10999	0.081	0.081	0	0
11000	0.078	0.078	0	0	11001	0.081	0.081	0	0
11002	0.092	0.092	0	0	11003	0.086	0.086	0	0
11004	0.102	0.102	0	0	11005	0.102	0.102	0	0
11006	0.094	0.094	0	0	11007	0.097	0.097	0	0
11008	0.092	0.092	0	0	11009	0.086	0.086	0	0
11010	0.101	0.101	0	0	11011	0.092	0.092	0	0
11012	0.102	0.102	0	0	11013	0.102	0.102	0	0
11014	0.11	0.11	0	0	11015	0.189	0.189	0	0
11016	0.125	0.125	0	0	11017	0.132	0.132	0	0
11018	0.086	0.086	0	0	11019	0.161	0.161	0	0
11020	0.094	0.094	0	0	11021	0.07	0.07	0	0
11022	0.1	0.1	0	0	11023	0.106	0.106	0	0
11024	0.1	0.1	0	0	11025	0.095	0.095	0	0
11026	0.096	0.096	0	0	11027	0.118	0.118	0	0
11028	0.161	0.161	0	0	11029	0.095	0.095	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
11030	0.154	0.154	0	0	11031	0.226	0.226	0	0
11032	0.105	0.105	0	0	11033	0.098	0.098	0	0
11034	0.094	0.094	0	0	11035	0.161	0.161	0	0
11036	0.114	0.114	0	0	11037	0.107	0.107	0	0
11038	0.092	0.092	0	0	11039	0.162	0.162	0	0
11040	0.154	0.154	0	0	11041	0.227	0.227	0	0
11042	0.162	0.162	0	0	11043	0.094	0.094	0	0
11044	0.096	0.096	0	0	11045	0.163	0.163	0	0
11046	0.17	0.17	0	0	11047	0.172	0.172	0	0
11048	0.168	0.168	0	0	11049	0.103	0.103	0	0
11050	0.163	0.163	0	0	11051	0.175	0.175	0	0
11052	0.166	0.166	0	0	11053	0.087	0.087	0	0
11054	0.228	0.228	0	0	11055	0.155	0.155	0	0
11056	0.097	0.097	0	0	11057	0.164	0.164	0	0
11058	0.164	0.164	0	0	11059	0.178	0.178	0	0
11060	0.099	0.099	0	0	11061	0.165	0.165	0	0
11062	0.115	0.115	0	0	11063	0.099	0.099	0	0
11064	0.163	0.163	0	0	11065	0.165	0.165	0	0
11066	0.101	0.101	0	0	11067	0.166	0.166	0	0
11068	0.231	0.231	0	0	11069	0.096	0.096	0	0
11070	0.156	0.156	0	0	11071	0.184	0.184	0	0
11072	0.166	0.166	0	0	11073	0.095	0.095	0	0
11074	0.164	0.164	0	0	11075	0.165	0.165	0	0
11076	0.099	0.099	0	0	11077	0.097	0.097	0	0
11078	0.1	0.1	0	0	11079	0.075	0.075	0	0
11080	0.099	0.099	0	0	11081	0.165	0.165	0	0
11082	0.153	0.153	0	0	11083	0.077	0.077	0	0
11084	0.163	0.163	0	0	11085	0.104	0.104	0	0
11086	0.104	0.104	0	0	11087	0.093	0.093	0	0
11088	0.196	0.196	0	0	11089	0.114	0.114	0	0
11090	0.078	0.078	0	0	11091	0.17	0.17	0	0
11092	0.107	0.107	0	0	11093	0.053	0.053	0	0
11094	0.055	0.055	0	0	11095	0.053	0.053	0	0
11096	0.049	0.049	0	0	11097	0.048	0.048	0	0
11098	0.063	0.063	0	0	11099	0.062	0.062	0	0
11100	0.053	0.053	0	0	11101	0.063	0.063	0	0
11102	0.05	0.05	0	0	11103	0.048	0.048	0	0
11104	0.057	0.057	0	0	11105	0.066	0.066	0	0
11106	0.048	0.048	0	0	11107	0.047	0.047	0	0
11108	0.046	0.046	0	0	11109	0.074	0.074	0	0
11110	0.047	0.047	0	0	11111	0.048	0.048	0	0
11112	0.058	0.058	0	0	11113	0.05	0.05	0	0
11114	0.065	0.065	0	0	11115	0.067	0.067	0	0
11116	0.046	0.046	0	0	11117	0.048	0.048	0	0
11118	0.051	0.051	0	0	11119	0.049	0.049	0	0
11120	0.07	0.07	0	0	11121	0.071	0.071	0	0
11122	0.052	0.052	0	0	11123	0.053	0.053	0	0
11124	0.052	0.052	0	0	11125	0.065	0.065	0	0
11126	0.033	0.033	0	0	11127	0.1	0.1	0	0
11128	0.1	0.1	0	0	11129	0.16	0.16	0	0
11130	0.117	0.117	0	0	11131	0.076	0.076	0	0
11132	0.156	0.156	0	0	11133	0.104	0.104	0	0
11134	0.077	0.077	0	0	11135	0.132	0.132	0	0
11136	0.152	0.152	0	0	11137	0.12	0.12	0	0
11138	0.093	0.093	0	0	11139	0.129	0.129	0	0
11140	0.064	0.064	0	0	11141	0.178	0.178	0	0
11142	0.122	0.122	0	0	11143	0.132	0.132	0	0
11144	0.127	0.127	0	0	11145	0.129	0.129	0	0
11146	0.147	0.147	0	0	11147	0.075	0.075	0	0
11148	0.143	0.143	0	0	11149	0.127	0.127	0	0
11150	0.134	0.134	0	0	11151	0.05	0.05	0	0
11152	0.069	0.069	0	0	11153	0.09	0.09	0	0
11154	0.051	0.051	0	0	11155	0.019	0.019	0	0
11156	0.02	0.02	0	0	11157	0.019	0.019	0	0
11158	0.064	0.064	0	0	11159	0.02	0.02	0	0
11160	0.045	0.045	0	0	11161	0.044	0.044	0	0
11162	0.056	0.056	0	0	11163	0.035	0.035	0	0
11164	0.036	0.036	0	0	11165	0.036	0.036	0	0
11166	0.168	0.168	0	0	11167	0.036	0.036	0	0
11168	0.03	0.03	0	0	11169	0.031	0.031	0	0
11170	0.03	0.03	0	0	11171	0.035	0.035	0	0
11172	0.038	0.038	0	0	11173	0.03	0.03	0	0
11174	0.032	0.032	0	0	11175	0.03	0.03	0	0
11176	0.031	0.031	0	0	11177	0.043	0.043	0	0
11178	0.033	0.033	0	0	11179	0.039	0.039	0	0
11180	0.039	0.039	0	0	11181	0.037	0.037	0	0
11182	0.041	0.041	0	0	11183	0.041	0.041	0	0
11184	0.037	0.037	0	0	11185	0.045	0.045	0	0
11186	0.04	0.04	0	0	11187	0.149	0.149	0	0
11188	0.151	0.151	0	0	11189	0.029	0.029	0	0
11190	0.03	0.03	0	0	11191	0.029	0.029	0	0
11192	0.03	0.03	0	0	11193	0.074	0.074	0	0
11194	0.112	0.112	0	0	11195	0.066	0.066	0	0
11196	0.094	0.094	0	0	11197	0.073	0.073	0	0
11198	0.069	0.069	0	0	11199	0.094	0.094	0	0
11200	0.084	0.084	0	0	11201	0.094	0.094	0	0
11202	0.096	0.096	0	0	11203	0.086	0.086	0	0
11204	0.063	0.063	0	0	11205	0.067	0.067	0	0
11206	0.058	0.058	0	0	11207	0.06	0.06	0	0
11208	0.071	0.071	0	0	11209	0.062	0.062	0	0
11210	0.085	0.085	0	0	11211	0.063	0.063	0	0
11212	0.059	0.059	0	0	11213	0.082	0.082	0	0
11214	0.085	0.085	0	0	11215	0.086	0.086	0	0
11216	0.059	0.059	0	0	11217	0.091	0.091	0	0
11218	0.087	0.087	0	0	11219	0.095	0.095	0	0
11220	0.072	0.072	0	0	11221	0.072	0.072	0	0
11222	0.074	0.074	0	0	11223	0.1	0.1	0	0
11224	0.079	0.079	0	0	11225	0.061	0.061	0	0
11226	0.084	0.084	0	0	11227	0.075	0.075	0	0
11228	0.079	0.079	0	0	11229	0.076	0.076	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
11230	0.055	0.055	0	0	11231	0.073	0.073	0	0
11232	0.064	0.064	0	0	11233	0.085	0.085	0	0
11234	0.074	0.074	0	0	11235	0.072	0.072	0	0
11236	0.066	0.066	0	0	11237	0.081	0.081	0	0
11238	0.071	0.071	0	0	11239	0.054	0.054	0	0
11240	0.081	0.081	0	0	11241	0.087	0.087	0	0
11242	0.046	0.046	0	0	11243	0.077	0.077	0	0
11244	0.047	0.047	0	0	11245	0.039	0.039	0	0
11246	0.04	0.04	0	0	11247	0.076	0.076	0	0
11248	0.074	0.074	0	0	11249	0.068	0.068	0	0
11250	0.113	0.113	0	0	11251	0.039	0.039	0	0
11252	0.076	0.076	0	0	11253	0.038	0.038	0	0
11254	0.054	0.054	0	0	11255	0.046	0.046	0	0
11256	0.19	0.19	0	0	11257	0.131	0.131	0	0
11258	0.134	0.134	0	0	11259	0.083	0.083	0	0
11260	0.161	0.161	0	0	11261	0.04	0.04	0	0
11262	0.072	0.072	0	0	11263	0.161	0.161	0	0
11264	0.041	0.041	0	0	11265	0.038	0.038	0	0
11266	0.081	0.081	0	0	11267	0.154	0.154	0	0
11268	0.161	0.161	0	0	11269	0.225	0.225	0	0
11270	0.039	0.039	0	0	11271	0.058	0.058	0	0
11272	0.161	0.161	0	0	11273	0.039	0.039	0	0
11274	0.076	0.076	0	0	11275	0.068	0.068	0	0
11276	0.162	0.162	0	0	11277	0.081	0.081	0	0
11278	0.074	0.074	0	0	11279	0.163	0.163	0	0
11280	0.045	0.045	0	0	11281	0.154	0.154	0	0
11282	0.225	0.225	0	0	11283	0.164	0.164	0	0
11284	0.169	0.169	0	0	11285	0.165	0.165	0	0
11286	0.171	0.171	0	0	11287	0.167	0.167	0	0
11288	0.166	0.166	0	0	11289	0.172	0.172	0	0
11290	0.165	0.165	0	0	11291	0.166	0.166	0	0
11292	0.226	0.226	0	0	11293	0.163	0.163	0	0
11294	0.167	0.167	0	0	11295	0.154	0.154	0	0
11296	0.039	0.039	0	0	11297	0.174	0.174	0	0
11298	0.166	0.166	0	0	11299	0.166	0.166	0	0
11300	0.161	0.161	0	0	11301	0.043	0.043	0	0
11302	0.165	0.165	0	0	11303	0.046	0.046	0	0
11304	0.226	0.226	0	0	11305	0.162	0.162	0	0
11306	0.178	0.178	0	0	11307	0.043	0.043	0	0
11308	0.043	0.043	0	0	11309	0.154	0.154	0	0
11310	0.066	0.066	0	0	11311	0.159	0.159	0	0
11312	0.162	0.162	0	0	11313	0.155	0.155	0	0
11314	0.058	0.058	0	0	11315	0.04	0.04	0	0
11316	0.108	0.108	0	0	11317	0.044	0.044	0	0
11318	0.047	0.047	0	0	11319	0.04	0.04	0	0
11320	0.098	0.098	0	0	11321	0.131	0.131	0	0
11322	0.069	0.069	0	0	11323	0.068	0.068	0	0
11324	0.127	0.127	0	0	11325	0.195	0.195	0	0
11326	0.114	0.114	0	0	11327	0.078	0.078	0	0
11328	0.165	0.165	0	0	11329	0.106	0.106	0	0
11330	0.093	0.093	0	0	11331	0.082	0.082	0	0
11332	0.064	0.064	0	0	11333	0.067	0.067	0	0
11334	0.062	0.062	0	0	11335	0.05	0.05	0	0
11336	0.049	0.049	0	0	11337	0.057	0.057	0	0
11338	0.073	0.073	0	0	11339	0.067	0.067	0	0
11340	0.06	0.06	0	0	11341	0.061	0.061	0	0
11342	0.064	0.064	0	0	11343	0.054	0.054	0	0
11344	0.053	0.053	0	0	11345	0.063	0.063	0	0
11346	0.067	0.067	0	0	11347	0.067	0.067	0	0
11348	0.065	0.065	0	0	11349	0.069	0.069	0	0
11350	0.059	0.059	0	0	11351	0.052	0.052	0	0
11352	0.052	0.052	0	0	11353	0.065	0.065	0	0
11354	0.067	0.067	0	0	11355	0.051	0.051	0	0
11356	0.05	0.05	0	0	11357	0.058	0.058	0	0
11358	0.054	0.054	0	0	11359	0.047	0.047	0	0
11360	0.047	0.047	0	0	11361	0.056	0.056	0	0
11362	0.076	0.076	0	0	11363	0.048	0.048	0	0
11364	0.049	0.049	0	0	11365	0.06	0.06	0	0
11366	0.069	0.069	0	0	11367	0.067	0.067	0	0
11368	0.071	0.071	0	0	11369	0.077	0.077	0	0
11370	0.063	0.063	0	0	11371	0.066	0.066	0	0
11372	0.064	0.064	0	0	11373	0.069	0.069	0	0
11374	0.066	0.066	0	0	11375	0.059	0.059	0	0
11376	0.059	0.059	0	0	11377	0.062	0.062	0	0
11378	0.065	0.065	0	0	11379	0.069	0.069	0	0
11380	0.072	0.072	0	0	11381	0.064	0.064	0	0
11382	0.055	0.055	0	0	11383	0.047	0.047	0	0
11384	0.048	0.048	0	0	11385	0.063	0.063	0	0
11386	0.062	0.062	0	0	11387	0.047	0.047	0	0
11388	0.048	0.048	0	0	11389	0.063	0.063	0	0
11390	0.065	0.065	0	0	11391	0.053	0.053	0	0
11392	0.054	0.054	0	0	11393	0.065	0.065	0	0
11394	0.066	0.066	0	0	11395	0.051	0.051	0	0
11396	0.05	0.05	0	0	11397	0.053	0.053	0	0
11398	0.149	0.149	0	0	11399	0.056	0.056	0	0
11400	0.059	0.059	0	0	11401	0.039	0.039	0	0
11402	0.038	0.038	0	0	11403	0.165	0.165	0	0
11404	0.037	0.037	0	0	11405	0.142	0.142	0	0
11406	0.044	0.044	0	0	11407	0.039	0.039	0	0
11408	0.038	0.038	0	0	11409	0.137	0.137	0	0
11410	0.107	0.107	0	0	11411	0.128	0.128	0	0
11412	0.05	0.05	0	0	11413	0.047	0.047	0	0
11414	0.104	0.104	0	0	11415	0.079	0.079	0	0
11416	0.079	0.079	0	0	11417	0.125	0.125	0	0
11418	0.078	0.078	0	0	11419	0.067	0.067	0	0
11420	0.045	0.045	0	0	11421	0.055	0.055	0	0
11422	0.057	0.057	0	0	11423	0.055	0.055	0	0
11424	0.054	0.054	0	0	11425	0.077	0.077	0	0
11426	0.053	0.053	0	0	11427	0.046	0.046	0	0
11428	0.04	0.04	0	0	11429	0.05	0.05	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
11430	0.06	0.06	0	0	11431	0.05	0.05	0	0
11432	0.05	0.05	0	0	11433	0.055	0.055	0	0
11434	0.041	0.041	0	0	11435	0.044	0.044	0	0
11436	0.048	0.048	0	0	11437	0.044	0.044	0	0
11438	0.044	0.044	0	0	11439	0.054	0.054	0	0
11440	0.074	0.074	0	0	11441	0.09	0.09	0	0
11442	0.091	0.091	0	0	11443	0.056	0.056	0	0
11444	0.056	0.056	0	0	11445	0.037	0.037	0	0
11446	0.055	0.055	0	0	11447	0.051	0.051	0	0
11448	0.089	0.089	0	0	11449	0.063	0.063	0	0
11450	0.074	0.074	0	0	11451	0.049	0.049	0	0
11452	0.079	0.079	0	0	11453	0.095	0.095	0	0
11454	0.07	0.07	0	0	11455	0.047	0.047	0	0
11456	0.052	0.052	0	0	11457	0.043	0.043	0	0
11458	0.043	0.043	0	0	11459	0.045	0.045	0	0
11460	0.055	0.055	0	0	11461	0.08	0.08	0	0
11462	0.043	0.043	0	0	11463	0.076	0.076	0	0
11464	0.055	0.055	0	0	11465	0.047	0.047	0	0
11466	0.057	0.057	0	0	11467	0.079	0.079	0	0
11468	0.059	0.059	0	0	11469	0.048	0.048	0	0
11470	0.042	0.042	0	0	11471	0.048	0.048	0	0
11472	0.077	0.077	0	0	11473	0.069	0.069	0	0
11474	0.062	0.062	0	0	11475	0.101	0.101	0	0
11476	0.046	0.046	0	0	11477	0.057	0.057	0	0
11478	0.101	0.101	0	0	11479	0.073	0.073	0	0
11480	0.068	0.068	0	0	11481	0.072	0.072	0	0
11482	0.067	0.067	0	0	11483	0.078	0.078	0	0
11484	0.061	0.061	0	0	11485	0.059	0.059	0	0
11486	0.072	0.072	0	0	11487	0.042	0.042	0	0
11488	0.076	0.076	0	0	11489	0.069	0.069	0	0
11490	0.041	0.041	0	0	11491	0.063	0.063	0	0
11492	0.072	0.072	0	0	11493	0.074	0.074	0	0
11494	0.054	0.054	0	0	11495	0.051	0.051	0	0
11496	0.07	0.07	0	0	11497	0.055	0.055	0	0
11498	0.057	0.057	0	0	11499	0.048	0.048	0	0
11500	0.076	0.076	0	0	11501	0.09	0.09	0	0
11502	0.04	0.04	0	0	11503	0.087	0.087	0	0
11504	0.088	0.088	0	0	11505	0.09	0.09	0	0
11506	0.087	0.087	0	0	11507	0.09	0.09	0	0
11508	0.079	0.079	0	0	11509	0.086	0.086	0	0
11510	0.08	0.08	0	0	11511	0.085	0.085	0	0
11512	0.044	0.044	0	0	11513	0.072	0.072	0	0
11514	0.047	0.047	0	0	11515	0.091	0.091	0	0
11516	0.093	0.093	0	0	11517	0.042	0.042	0	0
11518	0.085	0.085	0	0	11519	0.091	0.091	0	0
11520	0.085	0.085	0	0	11521	0.087	0.087	0	0
11522	0.093	0.093	0	0	11523	0.06	0.06	0	0
11524	0.118	0.118	0	0	11525	0.084	0.084	0	0
11526	0.101	0.101	0	0	11527	0.074	0.074	0	0
11528	0.1	0.1	0	0	11529	0.095	0.095	0	0
11530	0.093	0.093	0	0	11531	0.068	0.068	0	0
11532	0.052	0.052	0	0	11533	0.1	0.1	0	0
11534	0.093	0.093	0	0	11535	0.089	0.089	0	0
11536	0.081	0.081	0	0	11537	0.059	0.059	0	0
11538	0.083	0.083	0	0	11539	0.081	0.081	0	0
11540	0.094	0.094	0	0	11541	0.095	0.095	0	0
11542	0.099	0.099	0	0	11543	0.085	0.085	0	0
11544	0.074	0.074	0	0	11545	0.086	0.086	0	0
11546	0.095	0.095	0	0	11547	0.139	0.139	0	0
11548	0.077	0.077	0	0	11549	0.098	0.098	0	0
11550	0.097	0.097	0	0	11551	0.077	0.077	0	0
11552	0.084	0.084	0	0	11553	0.09	0.09	0	0
11554	0.053	0.053	0	0	11555	0.095	0.095	0	0
11556	0.077	0.077	0	0	11557	0.103	0.103	0	0
11558	0.047	0.047	0	0	11559	0.088	0.088	0	0
11560	0.079	0.079	0	0	11561	0.073	0.073	0	0
11562	0.09	0.09	0	0	11563	0.102	0.102	0	0
11564	0.115	0.115	0	0	11565	0.112	0.112	0	0
11566	0.115	0.115	0	0	11567	0.121	0.121	0	0
11568	0.107	0.107	0	0	11569	0.131	0.131	0	0
11570	0.135	0.135	0	0	11571	0.121	0.121	0	0
11572	0.124	0.124	0	0	11573	0.133	0.133	0	0
11574	0.134	0.134	0	0	11575	0.104	0.104	0	0
11576	0.101	0.101	0	0	11577	0.119	0.119	0	0
11578	0.124	0.124	0	0	11579	0.126	0.126	0	0
11580	0.117	0.117	0	0	11581	0.032	0.032	0	0
11582	0.031	0.031	0	0	11583	0.19	0.19	0	0
11584	0.128	0.128	0	0	11585	0.137	0.137	0	0
11586	0.081	0.081	0	0	11587	0.16	0.16	0	0
11588	0.027	0.027	0	0	11589	0.16	0.16	0	0
11590	0.161	0.161	0	0	11591	0.154	0.154	0	0
11592	0.224	0.224	0	0	11593	0.161	0.161	0	0
11594	0.162	0.162	0	0	11595	0.163	0.163	0	0
11596	0.165	0.165	0	0	11597	0.224	0.224	0	0
11598	0.154	0.154	0	0	11599	0.167	0.167	0	0
11600	0.039	0.039	0	0	11601	0.168	0.168	0	0
11602	0.168	0.168	0	0	11603	0.169	0.169	0	0
11604	0.166	0.166	0	0	11605	0.168	0.168	0	0
11606	0.169	0.169	0	0	11607	0.163	0.163	0	0
11608	0.168	0.168	0	0	11609	0.223	0.223	0	0
11610	0.167	0.167	0	0	11611	0.169	0.169	0	0
11612	0.037	0.037	0	0	11613	0.166	0.166	0	0
11614	0.161	0.161	0	0	11615	0.152	0.152	0	0
11616	0.105	0.105	0	0	11617	0.165	0.165	0	0
11618	0.042	0.042	0	0	11619	0.04	0.04	0	0
11620	0.167	0.167	0	0	11621	0.163	0.163	0	0
11622	0.222	0.222	0	0	11623	0.158	0.158	0	0
11624	0.037	0.037	0	0	11625	0.098	0.098	0	0
11626	0.126	0.126	0	0	11627	0.159	0.159	0	0
11628	0.041	0.041	0	0	11629	0.051	0.051	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
11630	0.107	0.107	0	0	11631	0.049	0.049	0	0
11632	0.157	0.157	0	0	11633	0.041	0.041	0	0
11634	0.045	0.045	0	0	11635	0.045	0.045	0	0
11636	0.051	0.051	0	0	11637	0.155	0.155	0	0
11638	0.044	0.044	0	0	11639	0.054	0.054	0	0
11640	0.146	0.146	0	0	11641	0.039	0.039	0	0
11642	0.046	0.046	0	0	11643	0.037	0.037	0	0
11644	0.147	0.147	0	0	11645	0.159	0.159	0	0
11646	0.15	0.15	0	0	11647	0.085	0.085	0	0
11648	0.165	0.165	0	0	11649	0.038	0.038	0	0
11650	3.447	3.447	0	0	11651	0.052	0.052	0	0
11652	0.052	0.052	0	0	11653	6.394	6.394	0	0
11654	0.04	0.04	0	0	11655	0.156	0.156	0	0
11656	3.001	3.001	0	0	11657	0.051	0.051	0	0
11658	0.05	0.05	0	0	11659	0.046	0.046	0	0
11660	0.149	0.149	0	0	11661	0.104	0.104	0	0
11662	0.159	0.159	0	0	11663	0.134	0.134	0	0
11664	0.042	0.042	0	0	11665	0.051	0.051	0	0
11666	0.632	0.632	0	0	11667	0.632	0.632	0	0
11668	0.632	0.632	0	0	11669	0.091	0.091	0	0
11670	0.046	0.046	0	0	11671	0.091	0.091	0	0
11672	0.054	0.054	0	0	11673	0.062	0.062	0	0
11674	0.036	0.036	0	0	11675	0.052	0.052	0	0
11676	0.061	0.061	0	0	11677	0.068	0.068	0	0
11678	0.043	0.043	0	0	11679	0.142	0.142	0	0
11680	0.761	0.761	0	0	11681	0.677	0.677	0	0
11682	0.677	0.677	0	0	11683	0.039	0.039	0	0
11684	0.045	0.045	0	0	11685	0.052	0.052	0	0
11686	0.056	0.056	0	0	11687	0.035	0.035	0	0
11688	0.051	0.051	0	0	11689	0.051	0.051	0	0
11690	0.051	0.051	0	0	11691	0.047	0.047	0	0
11692	0.185	0.185	0	0	11693	0.142	0.142	0	0
11694	0.071	0.071	0	0	11695	0.07	0.07	0	0
11696	0.108	0.108	0	0	11697	0.049	0.049	0	0
11698	0.047	0.047	0	0	11699	0.135	0.135	0	0
11700	0.039	0.039	0	0	11701	0.04	0.04	0	0
11702	0.052	0.052	0	0	11703	0.071	0.071	0	0
11704	0.028	0.028	0	0	11705	0.152	0.152	0	0
11706	0.075	0.075	0	0	11707	0.053	0.053	0	0
11708	0.062	0.062	0	0	11709	0.053	0.053	0	0
11710	0.069	0.069	0	0	11711	0.076	0.076	0	0
11712	0.075	0.075	0	0	11713	0.08	0.08	0	0
11714	0.075	0.075	0	0	11715	0.139	0.139	0	0
11716	0.049	0.049	0	0	11717	0.031	0.031	0	0
11718	0.046	0.046	0	0	11719	0.087	0.087	0	0
11720	0.071	0.071	0	0	11721	0.154	0.154	0	0
11722	0.087	0.087	0	0	11723	0.031	0.031	0	0
11724	0.152	0.152	0	0	11725	0.057	0.057	0	0
11726	0.071	0.071	0	0	11727	0.081	0.081	0	0
11728	0.09	0.09	0	0	11729	0.094	0.094	0	0
11730	0.094	0.094	0	0	11731	0.091	0.091	0	0
11732	0.082	0.082	0	0	11733	0.092	0.092	0	0
11734	0.094	0.094	0	0	11735	0.059	0.059	0	0
11736	0.096	0.096	0	0	11737	0.097	0.097	0	0
11738	0.097	0.097	0	0	11739	0.085	0.085	0	0
11740	0.081	0.081	0	0	11741	0.075	0.075	0	0
11742	0.082	0.082	0	0	11743	0.088	0.088	0	0
11744	0.095	0.095	0	0	11745	0.058	0.058	0	0
11746	0.084	0.084	0	0	11747	0.098	0.098	0	0
11748	0.044	0.044	0	0	11749	0.095	0.095	0	0
11750	0.082	0.082	0	0	11751	0.09	0.09	0	0
11752	0.095	0.095	0	0	11753	0.086	0.086	0	0
11754	0.045	0.045	0	0	11755	0.057	0.057	0	0
11756	0.087	0.087	0	0	11757	0.039	0.039	0	0
11758	0.088	0.088	0	0	11759	0.073	0.073	0	0
11760	0.097	0.097	0	0	11761	0.095	0.095	0	0
11762	0.094	0.094	0	0	11763	0.094	0.094	0	0
11764	0.082	0.082	0	0	11765	0.094	0.094	0	0
11766	0.074	0.074	0	0	11767	0.09	0.09	0	0
11768	0.094	0.094	0	0	11769	0.072	0.072	0	0
11770	0.091	0.091	0	0	11771	0.101	0.101	0	0
11772	0.093	0.093	0	0	11773	0.091	0.091	0	0
11774	0.094	0.094	0	0	11775	0.078	0.078	0	0
11776	0.099	0.099	0	0	11777	0.09	0.09	0	0
11778	0.086	0.086	0	0	11779	0.084	0.084	0	0
11780	0.069	0.069	0	0	11781	0.092	0.092	0	0
11782	0.098	0.098	0	0	11783	0.101	0.101	0	0
11784	0.085	0.085	0	0	11785	0.102	0.102	0	0
11786	0.08	0.08	0	0	11787	0.102	0.102	0	0
11788	0.055	0.055	0	0	11789	0.073	0.073	0	0
11790	0.113	0.113	0	0	11791	0.03	0.03	0	0
11792	0.091	0.091	0	0	11793	0.11	0.11	0	0
11794	0.138	0.138	0	0	11795	0.097	0.097	0	0
11796	0.03	0.03	0	0	11797	0.116	0.116	0	0
11798	0.033	0.033	0	0	11799	0.1	0.1	0	0
11800	0.086	0.086	0	0	11801	0.107	0.107	0	0
11802	0.133	0.133	0	0	11803	0.047	0.047	0	0
11804	0.093	0.093	0	0	11805	0.037	0.037	0	0
11806	0.13	0.13	0	0	11807	0.047	0.047	0	0
11808	0.038	0.038	0	0	11809	0.133	0.133	0	0
11810	0.053	0.053	0	0	11811	0.034	0.034	0	0
11812	0.103	0.103	0	0	11813	0.143	0.143	0	0
11814	0.047	0.047	0	0	11815	0.121	0.121	0	0
11816	0.131	0.131	0	0	11817	0.123	0.123	0	0
11818	0.042	0.042	0	0	11819	0.044	0.044	0	0
11820	0.05	0.05	0	0	11821	0.043	0.043	0	0
11822	0.143	0.143	0	0	11823	0.048	0.048	0	0
11824	0.082	0.082	0	0	11825	0.039	0.039	0	0
11826	0.038	0.038	0	0	11827	0.099	0.099	0	0
11828	0.119	0.119	0	0	11829	0.14	0.14	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
11830	0.133	0.133	0	0	11831	0.058	0.058	0	0
11832	0.052	0.052	0	0	11833	0.037	0.037	0	0
11834	0.117	0.117	0	0	11835	0.037	0.037	0	0
11836	0.039	0.039	0	0	11837	0.089	0.089	0	0
11838	0.129	0.129	0	0	11839	0.094	0.094	0	0
11840	0.056	0.056	0	0	11841	0.142	0.142	0	0
11842	0.042	0.042	0	0	11843	0.092	0.092	0	0
11844	0.143	0.143	0	0	11845	0.045	0.045	0	0
11846	0.068	0.068	0	0	11847	0.051	0.051	0	0
11848	0.146	0.146	0	0	11849	0.06	0.06	0	0
11850	0.102	0.102	0	0	11851	0.035	0.035	0	0
11852	0.095	0.095	0	0	11853	0.106	0.106	0	0
11854	0.088	0.088	0	0	11855	0.09	0.09	0	0
11856	0.054	0.054	0	0	11857	0.057	0.057	0	0
11858	0.073	0.073	0	0	11859	0.047	0.047	0	0
11860	0.049	0.049	0	0	11861	0.106	0.106	0	0
11862	0.07	0.07	0	0	11863	0.036	0.036	0	0
11864	0.059	0.059	0	0	11865	0.099	0.099	0	0
11866	0.064	0.064	0	0	11867	0.112	0.112	0	0
11868	0.101	0.101	0	0	11869	0.059	0.059	0	0
11870	0.072	0.072	0	0	11871	0.047	0.047	0	0
11872	0.112	0.112	0	0	11873	0.105	0.105	0	0
11874	0.099	0.099	0	0	11875	0.068	0.068	0	0
11876	0.095	0.095	0	0	11877	0.104	0.104	0	0
11878	0.109	0.109	0	0	11879	0.054	0.054	0	0
11880	0.081	0.081	0	0	11881	0.086	0.086	0	0
11882	0.051	0.051	0	0	11883	0.06	0.06	0	0
11884	0.139	0.139	0	0	11885	0.107	0.107	0	0
11886	0.069	0.069	0	0	11887	0.109	0.109	0	0
11888	0.077	0.077	0	0	11889	0.086	0.086	0	0
11890	0.094	0.094	0	0	11891	0.096	0.096	0	0
11892	0.093	0.093	0	0	11893	0.08	0.08	0	0
11894	0.099	0.099	0	0	11895	0.078	0.078	0	0
11896	0.106	0.106	0	0	11897	0.081	0.081	0	0
11898	0.098	0.098	0	0	11899	0.109	0.109	0	0
11900	0.051	0.051	0	0	11901	0.101	0.101	0	0
11902	0.102	0.102	0	0	11903	0.078	0.078	0	0
11904	0.109	0.109	0	0	11905	0.109	0.109	0	0
11906	0.11	0.11	0	0	11907	0.097	0.097	0	0
11908	0.097	0.097	0	0	11909	0.097	0.097	0	0
11910	0.102	0.102	0	0	11911	0.042	0.042	0	0
11912	0.092	0.092	0	0	11913	0.089	0.089	0	0
11914	0.074	0.074	0	0	11915	0.19	0.19	0	0
11916	0.138	0.138	0	0	11917	0.144	0.144	0	0
11918	0.08	0.08	0	0	11919	0.098	0.098	0	0
11920	0.098	0.098	0	0	11921	0.081	0.081	0	0
11922	0.103	0.103	0	0	11923	0.16	0.16	0	0
11924	0.098	0.098	0	0	11925	0.089	0.089	0	0
11926	0.16	0.16	0	0	11927	0.112	0.112	0	0
11928	0.16	0.16	0	0	11929	0.1	0.1	0	0
11930	0.224	0.224	0	0	11931	0.155	0.155	0	0
11932	0.161	0.161	0	0	11933	0.091	0.091	0	0
11934	0.162	0.162	0	0	11935	0.163	0.163	0	0
11936	0.059	0.059	0	0	11937	0.101	0.101	0	0
11938	0.089	0.089	0	0	11939	0.166	0.166	0	0
11940	0.088	0.088	0	0	11941	0.223	0.223	0	0
11942	0.098	0.098	0	0	11943	0.169	0.169	0	0
11944	0.097	0.097	0	0	11945	0.154	0.154	0	0
11946	0.17	0.17	0	0	11947	0.17	0.17	0	0
11948	0.167	0.167	0	0	11949	0.167	0.167	0	0
11950	0.165	0.165	0	0	11951	0.17	0.17	0	0
11952	0.167	0.167	0	0	11953	0.034	0.034	0	0
11954	0.094	0.094	0	0	11955	0.163	0.163	0	0
11956	0.222	0.222	0	0	11957	0.168	0.168	0	0
11958	0.087	0.087	0	0	11959	0.093	0.093	0	0
11960	0.166	0.166	0	0	11961	0.09	0.09	0	0
11962	0.094	0.094	0	0	11963	0.167	0.167	0	0
11964	0.076	0.076	0	0	11965	0.093	0.093	0	0
11966	0.166	0.166	0	0	11967	0.159	0.159	0	0
11968	0.152	0.152	0	0	11969	0.087	0.087	0	0
11970	0.163	0.163	0	0	11971	0.164	0.164	0	0
11972	0.22	0.22	0	0	11973	0.041	0.041	0	0
11974	0.094	0.094	0	0	11975	0.088	0.088	0	0
11976	0.16	0.16	0	0	11977	0.158	0.158	0	0
11978	0.097	0.097	0	0	11979	0.099	0.099	0	0
11980	0.154	0.154	0	0	11981	0.101	0.101	0	0
11982	0.154	0.154	0	0	11983	0.154	0.154	0	0
11984	0.114	0.114	0	0	11985	0.158	0.158	0	0
11986	0.081	0.081	0	0	11987	0.173	0.173	0	0
11988	0.155	0.155	0	0	11989	0.078	0.078	0	0
11990	0.157	0.157	0	0	11991	0.148	0.148	0	0
11992	0.11	0.11	0	0	11993	0.149	0.149	0	0
11994	0.15	0.15	0	0	11995	0.032	0.032	0	0
11996	0.062	0.062	0	0	11997	0.077	0.077	0	0
11998	0.052	0.052	0	0	11999	0.065	0.065	0	0
12000	0.054	0.054	0	0	12001	0.145	0.145	0	0
12002	0.145	0.145	0	0	12003	0.034	0.034	0	0
12004	0.07	0.07	0	0	12005	0.145	0.145	0	0
12006	0.148	0.148	0	0	12007	0.162	0.162	0	0
12008	0.163	0.163	0	0	12009	0.071	0.071	0	0
12010	0.152	0.152	0	0	12011	0.142	0.142	0	0
12012	0.034	0.034	0	0	12013	0.047	0.047	0	0
12014	0.069	0.069	0	0	12015	0.038	0.038	0	0
12016	0.043	0.043	0	0	12017	0.143	0.143	0	0
12018	0.047	0.047	0	0	12019	0.151	0.151	0	0
12020	0.148	0.148	0	0	12021	0.04	0.04	0	0
12022	0.053	0.053	0	0	12023	0.064	0.064	0	0
12024	0.044	0.044	0	0	12025	0.054	0.054	0	0
12026	0.052	0.052	0	0	12027	0.06	0.06	0	0
12028	0.054	0.054	0	0	12029	0.103	0.103	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
12030	0.053	0.053	0	0	12031	0.152	0.152	0	0
12032	0.137	0.137	0	0	12033	0.047	0.047	0	0
12034	0.131	0.131	0	0	12035	0.14	0.14	0	0
12036	0.136	0.136	0	0	12037	0.128	0.128	0	0
12038	0.14	0.14	0	0	12039	0.093	0.093	0	0
12040	0.127	0.127	0	0	12041	0.137	0.137	0	0
12042	0.133	0.133	0	0	12043	0.126	0.126	0	0
12044	0.138	0.138	0	0	12045	0.127	0.127	0	0
12046	0.136	0.136	0	0	12047	0.112	0.112	0	0
12048	0.126	0.126	0	0	12049	0.064	0.064	0	0
12050	0.115	0.115	0	0	12051	0.077	0.077	0	0
12052	0.031	0.031	0	0	12053	0.08	0.08	0	0
12054	0.073	0.073	0	0	12055	0.116	0.116	0	0
12056	0.107	0.107	0	0	12057	0.13	0.13	0	0
12058	0.139	0.139	0	0	12059	0.127	0.127	0	0
12060	0.136	0.136	0	0	12061	0.129	0.129	0	0
12062	0.127	0.127	0	0	12063	0.135	0.135	0	0
12064	0.138	0.138	0	0	12065	0.116	0.116	0	0
12066	0.113	0.113	0	0	12067	0.101	0.101	0	0
12068	0.113	0.113	0	0	12069	0.105	0.105	0	0
12070	0.132	0.132	0	0	12071	0.051	0.051	0	0
12072	0.139	0.139	0	0	12073	0.055	0.055	0	0
12074	0.056	0.056	0	0	12075	0.113	0.113	0	0
12076	0.089	0.089	0	0	12077	0.128	0.128	0	0
12078	0.111	0.111	0	0	12079	0.1	0.1	0	0
12080	0.125	0.125	0	0	12081	0.134	0.134	0	0
12082	0.117	0.117	0	0	12083	0.124	0.124	0	0
12084	0.087	0.087	0	0	12085	0.1	0.1	0	0
12086	0.114	0.114	0	0	12087	0.12	0.12	0	0
12088	0.108	0.108	0	0	12089	0.113	0.113	0	0
12090	0.099	0.099	0	0	12091	0.1	0.1	0	0
12092	0.131	0.131	0	0	12093	0.073	0.073	0	0
12094	0.101	0.101	0	0	12095	0.082	0.082	0	0
12096	0.054	0.054	0	0	12097	0.075	0.075	0	0
12098	0.082	0.082	0	0	12099	0.072	0.072	0	0
12100	0.115	0.115	0	0	12101	0.085	0.085	0	0
12102	0.107	0.107	0	0	12103	0.11	0.11	0	0
12104	0.072	0.072	0	0	12105	0.118	0.118	0	0
12106	0.052	0.052	0	0	12107	0.099	0.099	0	0
12108	0.096	0.096	0	0	12109	0.1	0.1	0	0
12110	0.101	0.101	0	0	12111	0.111	0.111	0	0
12112	0.108	0.108	0	0	12113	0.112	0.112	0	0
12114	0.046	0.046	0	0	12115	0.107	0.107	0	0
12116	0.074	0.074	0	0	12117	0.097	0.097	0	0
12118	0.099	0.099	0	0	12119	0.088	0.088	0	0
12120	0.093	0.093	0	0	12121	0.1	0.1	0	0
12122	0.07	0.07	0	0	12123	0.108	0.108	0	0
12124	0.098	0.098	0	0	12125	0.106	0.106	0	0
12126	0.1	0.1	0	0	12127	0.099	0.099	0	0
12128	0.109	0.109	0	0	12129	0.095	0.095	0	0
12130	0.1	0.1	0	0	12131	0.105	0.105	0	0
12132	0.097	0.097	0	0	12133	0.102	0.102	0	0
12134	0.104	0.104	0	0	12135	0.089	0.089	0	0
12136	0.093	0.093	0	0	12137	0.074	0.074	0	0
12138	0.099	0.099	0	0	12139	0.095	0.095	0	0
12140	0.091	0.091	0	0	12141	0.045	0.045	0	0
12142	0.084	0.084	0	0	12143	0.088	0.088	0	0
12144	0.092	0.092	0	0	12145	0.104	0.104	0	0
12146	0.077	0.077	0	0	12147	0.101	0.101	0	0
12148	0.094	0.094	0	0	12149	0.052	0.052	0	0
12150	0.093	0.093	0	0	12151	0.094	0.094	0	0
12152	0.099	0.099	0	0	12153	0.077	0.077	0	0
12154	0.094	0.094	0	0	12155	0.091	0.091	0	0
12156	0.083	0.083	0	0	12157	0.042	0.042	0	0
12158	0.085	0.085	0	0	12159	0.073	0.073	0	0
12160	0.059	0.059	0	0	12161	0.1	0.1	0	0
12162	0.037	0.037	0	0	12163	0.074	0.074	0	0
12164	0.051	0.051	0	0	12165	0.077	0.077	0	0
12166	0.095	0.095	0	0	12167	0.072	0.072	0	0
12168	0.071	0.071	0	0	12169	0.159	0.159	0	0
12170	0.132	0.132	0	0	12171	0.133	0.133	0	0
12172	0.138	0.138	0	0	12173	0.191	0.191	0	0
12174	0.169	0.169	0	0	12175	0.16	0.16	0	0
12176	0.077	0.077	0	0	12177	0.16	0.16	0	0
12178	0.16	0.16	0	0	12179	0.16	0.16	0	0
12180	0.16	0.16	0	0	12181	0.224	0.224	0	0
12182	0.156	0.156	0	0	12183	0.16	0.16	0	0
12184	0.162	0.162	0	0	12185	0.167	0.167	0	0
12186	0.173	0.173	0	0	12187	0.222	0.222	0	0
12188	0.174	0.174	0	0	12189	0.155	0.155	0	0
12190	0.174	0.174	0	0	12191	0.167	0.167	0	0
12192	0.167	0.167	0	0	12193	0.172	0.172	0	0
12194	0.166	0.166	0	0	12195	0.165	0.165	0	0
12196	0.169	0.169	0	0	12197	0.221	0.221	0	0
12198	0.164	0.164	0	0	12199	0.163	0.163	0	0
12200	0.168	0.168	0	0	12201	0.167	0.167	0	0
12202	0.153	0.153	0	0	12203	0.161	0.161	0	0
12204	0.157	0.157	0	0	12205	0.166	0.166	0	0
12206	0.22	0.22	0	0	12207	0.159	0.159	0	0
12208	0.163	0.163	0	0	12209	0.158	0.158	0	0
12210	0.157	0.157	0	0	12211	0.15	0.15	0	0
12212	0.153	0.153	0	0	12213	0.159	0.159	0	0
12214	0.08	0.08	0	0	12215	0.187	0.187	0	0
12216	0.157	0.157	0	0	12217	0.151	0.151	0	0
12218	0.149	0.149	0	0	12219	0.147	0.147	0	0
12220	0.149	0.149	0	0	12221	0.146	0.146	0	0
12222	0.149	0.149	0	0	12223	0.151	0.151	0	0
12224	0.149	0.149	0	0	12225	0.156	0.156	0	0
12226	0.153	0.153	0	0	12227	0.144	0.144	0	0
12228	0.147	0.147	0	0	12229	0.144	0.144	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
12230	0.145	0.145	0	0	12231	0.129	0.129	0	0
12232	0.117	0.117	0	0	12233	0.109	0.109	0	0
12234	0.146	0.146	0	0	12235	0.117	0.117	0	0
12236	0.107	0.107	0	0	12237	0.132	0.132	0	0
12238	0.102	0.102	0	0	12239	0.12	0.12	0	0
12240	0.13	0.13	0	0	12241	0.131	0.131	0	0
12242	0.127	0.127	0	0	12243	0.104	0.104	0	0
12244	0.122	0.122	0	0	12245	0.124	0.124	0	0
12246	0.121	0.121	0	0	12247	0.12	0.12	0	0
12248	0.125	0.125	0	0	12249	0.11	0.11	0	0
12250	0.114	0.114	0	0	12251	0.119	0.119	0	0
12252	0.118	0.118	0	0	12253	0.109	0.109	0	0
12254	0.123	0.123	0	0	12255	0.113	0.113	0	0
12256	0.117	0.117	0	0	12257	0.121	0.121	0	0
12258	0.111	0.111	0	0	12259	0.115	0.115	0	0
12260	0.102	0.102	0	0	12261	0.113	0.113	0	0
12262	0.121	0.121	0	0	12263	0.112	0.112	0	0
12264	0.11	0.11	0	0	12265	0.123	0.123	0	0
12266	0.121	0.121	0	0	12267	0.123	0.123	0	0
12268	0.115	0.115	0	0	12269	0.121	0.121	0	0
12270	0.128	0.128	0	0	12271	0.119	0.119	0	0
12272	0.126	0.126	0	0	12273	0.111	0.111	0	0
12274	0.114	0.114	0	0	12275	0.114	0.114	0	0
12276	0.115	0.115	0	0	12277	0.108	0.108	0	0
12278	0.102	0.102	0	0	12279	0.116	0.116	0	0
12280	0.104	0.104	0	0	12281	0.101	0.101	0	0
12282	0.103	0.103	0	0	12283	0.087	0.087	0	0
12284	0.116	0.116	0	0	12285	0.114	0.114	0	0
12286	0.097	0.097	0	0	12287	0.112	0.112	0	0
12288	0.111	0.111	0	0	12289	0.1	0.1	0	0
12290	0.109	0.109	0	0	12291	0.098	0.098	0	0
12292	0.095	0.095	0	0	12293	0.094	0.094	0	0
12294	0.109	0.109	0	0	12295	0.101	0.101	0	0
12296	0.111	0.111	0	0	12297	0.113	0.113	0	0
12298	0.092	0.092	0	0	12299	0.112	0.112	0	0
12300	0.107	0.107	0	0	12301	0.097	0.097	0	0
12302	0.096	0.096	0	0	12303	0.094	0.094	0	0
12304	0.106	0.106	0	0	12305	0.102	0.102	0	0
12306	0.112	0.112	0	0	12307	0.103	0.103	0	0
12308	0.121	0.121	0	0	12309	0.099	0.099	0	0
12310	0.11	0.11	0	0	12311	0.115	0.115	0	0
12312	0.105	0.105	0	0	12313	0.086	0.086	0	0
12314	0.105	0.105	0	0	12315	0.1	0.1	0	0
12316	0.1	0.1	0	0	12317	0.115	0.115	0	0
12318	0.095	0.095	0	0	12319	0.1	0.1	0	0
12320	0.107	0.107	0	0	12321	0.098	0.098	0	0
12322	0.093	0.093	0	0	12323	0.097	0.097	0	0
12324	0.097	0.097	0	0	12325	0.091	0.091	0	0
12326	0.106	0.106	0	0	12327	0.097	0.097	0	0
12328	0.098	0.098	0	0	12329	0.093	0.093	0	0
12330	0.093	0.093	0	0	12331	0.095	0.095	0	0
12332	0.092	0.092	0	0	12333	0.096	0.096	0	0
12334	0.086	0.086	0	0	12335	0.093	0.093	0	0
12336	0.103	0.103	0	0	12337	0.098	0.098	0	0
12338	0.101	0.101	0	0	12339	0.088	0.088	0	0
12340	0.1	0.1	0	0	12341	0.098	0.098	0	0
12342	0.094	0.094	0	0	12343	0.102	0.102	0	0
12344	0.091	0.091	0	0	12345	0.104	0.104	0	0
12346	0.101	0.101	0	0	12347	0.089	0.089	0	0
12348	0.088	0.088	0	0	12349	0.105	0.105	0	0
12350	0.094	0.094	0	0	12351	0.091	0.091	0	0
12352	0.102	0.102	0	0	12353	0.087	0.087	0	0
12354	0.087	0.087	0	0	12355	0.081	0.081	0	0
12356	0.085	0.085	0	0	12357	0.086	0.086	0	0
12358	1.62	1.62	0	0	12359	0.449	0.449	0	0
12360	0.947	0.947	0	0	12361	1.423	1.423	0	0
12362	0.042	0.042	0	0	12363	1.222	1.222	0	0
12364	0.611	0.611	0	0	12366	0.611	0.611	0	0
12368	0.611	0.611	0	0	12370	0.611	0.611	0	0
12372	0.612	0.612	0	0	12374	0.612	0.612	0	0
12375	0.625	0.625	0	0	12376	0.637	0.637	0	0
12377	0.637	0.637	0	0	12378	0.637	0.637	0	0
12379	0.636	0.636	0	0	12380	0.596	0.596	0	0
12381	0.556	0.556	0	0	12382	0.555	0.555	0	0
12383	0.255	0.255	0	0	12384	0.856	0.856	0	0
12385	0.856	0.856	0	0	12386	0.856	0.856	0	0
12387	0.856	0.856	0	0	12389	0.076	0.076	0	0
12391	0.075	0.075	0	0	12393	0.075	0.075	0	0
12395	0.076	0.076	0	0	12398	0.076	0.076	0	0
12400	0.077	0.077	0	0	12402	0.078	0.078	0	0
12404	0.111	0.111	0	0	12405	1.92	1.92	0	0
12406	2.239	2.239	0	0	12407	0.856	0.856	0	0
12408	0.856	0.856	0	0	12409	0.856	0.856	0	0
12410	0.856	0.856	0	0	12411	0.856	0.856	0	0
12412	2.891	2.891	0	0	12413	5.186	5.186	0	0
12414	3.496	3.496	0	0	12415	1.197	1.197	0	0
12416	0.122	0.122	0	0	12417	0.164	0.164	0	0
12418	0.164	0.164	0	0	12419	0.163	0.163	0	0
12420	0.162	0.162	0	0	12421	0.251	0.251	0	0
12422	0.439	0.439	0	0	12423	0.392	0.392	0	0
12424	0.363	0.363	0	0	12425	0.34	0.34	0	0
12426	0.321	0.321	0	0	12427	0.302	0.302	0	0
12428	0.283	0.283	0	0	12429	1.927	1.927	0	0
12430	1.129	1.129	0	0	12431	2.114	2.114	0	0
12432	0.856	0.856	0	0	12433	0.856	0.856	0	0
12434	0.276	0.276	0	0	12435	1.084	1.084	0	0
12436	1.084	1.084	0	0	12437	2.408	2.408	0	0
12438	2.905	2.905	0	0	12439	2.293	2.293	0	0
12440	2.526	2.526	0	0	12441	1.488	1.488	0	0
12442	0.266	0.266	0	0	12443	0.239	0.239	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
12444	0.213	0.213	0	0	12445	0.188	0.188	0	0
12446	0.162	0.162	0	0	12447	0.138	0.138	0	0
12448	0.114	0.114	0	0	12449	0.033	0.033	0	0
12450	2.06	2.06	0	0	12451	0.856	0.856	0	0
12452	0.856	0.856	0	0	12453	0.154	0.154	0	0
12454	4.637	4.637	0	0	12455	2.943	2.943	0	0
12456	3.755	3.755	0	0	12457	2.5	2.5	0	0
12458	0.214	0.214	0	0	12459	0.193	0.193	0	0
12460	0.179	0.179	0	0	12461	0.162	0.162	0	0
12462	0.141	0.141	0	0	12463	0.118	0.118	0	0
12464	0.092	0.092	0	0	12465	1.953	1.953	0	0
12466	0.856	0.856	0	0	12467	0.856	0.856	0	0
12468	0.12	0.12	0	0	12469	0.033	0.033	0	0
12470	4.47	4.47	0	0	12471	2.887	2.887	0	0
12472	3.693	3.693	0	0	12473	2.466	2.466	0	0
12474	0.212	0.212	0	0	12475	0.194	0.194	0	0
12476	0.174	0.174	0	0	12477	0.155	0.155	0	0
12478	0.135	0.135	0	0	12479	0.115	0.115	0	0
12480	0.088	0.088	0	0	12481	2.016	2.016	0	0
12482	3.788	3.788	0	0	12483	3.13	3.13	0	0
12484	3.337	3.337	0	0	12485	0.856	0.856	0	0
12486	1.628	1.628	0	0	12487	1.678	1.678	0	0
12488	0.033	0.033	0	0	12489	2.872	2.872	0	0
12490	0.237	0.237	0	0	12491	0.213	0.213	0	0
12492	0.198	0.198	0	0	12493	0.175	0.175	0	0
12494	0.153	0.153	0	0	12495	0.133	0.133	0	0
12496	0.106	0.106	0	0	12497	2.043	2.043	0	0
12498	0.856	0.856	0	0	12499	0.856	0.856	0	0
12500	0.111	0.111	0	0	12501	0.033	0.033	0	0
12502	4.587	4.587	0	0	12503	2.936	2.936	0	0
12504	3.755	3.755	0	0	12505	2.508	2.508	0	0
12506	0.216	0.216	0	0	12507	0.195	0.195	0	0
12508	0.175	0.175	0	0	12509	0.154	0.154	0	0
12510	0.134	0.134	0	0	12511	0.112	0.112	0	0
12512	0.085	0.085	0	0	12513	2.096	2.096	0	0
12514	0.856	0.856	0	0	12515	0.856	0.856	0	0
12516	0.146	0.146	0	0	12517	0.033	0.033	0	0
12518	4.648	4.648	0	0	12519	2.954	2.954	0	0
12520	3.773	3.773	0	0	12521	2.515	2.515	0	0
12522	0.256	0.256	0	0	12523	0.233	0.233	0	0
12524	0.197	0.197	0	0	12525	0.169	0.169	0	0
12526	0.146	0.146	0	0	12527	0.126	0.126	0	0
12528	0.1	0.1	0	0	12529	2.31	2.31	0	0
12530	0.856	0.856	0	0	12531	0.856	0.856	0	0
12532	0.856	0.856	0	0	12533	0.169	0.169	0	0
12534	4.918	4.918	0	0	12535	2.541	2.541	0	0
12536	1.515	1.515	0	0	12537	2.577	2.577	0	0
12538	1.652	1.652	0	0	12539	1.506	1.506	0	0
12540	0.033	0.033	0	0	12541	0.28	0.28	0	0
12542	0.247	0.247	0	0	12543	0.217	0.217	0	0
12544	1.502	1.502	0	0	12545	0.19	0.19	0	0
12546	0.165	0.165	0	0	12547	0.147	0.147	0	0
12548	0.134	0.134	0	0	12549	0.993	0.993	0	0
12550	0.112	0.112	0	0	12551	0.122	0.122	0	0
12552	0.103	0.103	0	0	12553	0.095	0.095	0	0
12554	0.092	0.092	0	0	12555	0.091	0.091	0	0
12556	0.092	0.092	0	0	12557	0.094	0.094	0	0
12558	1.889	1.889	0	0	12559	0.099	0.099	0	0
12560	0.104	0.104	0	0	12561	0.106	0.106	0	0
12562	0.107	0.107	0	0	12563	0.105	0.105	0	0
12564	0.101	0.101	0	0	12565	0.103	0.103	0	0
12566	1.88	1.88	0	0	12567	0.102	0.102	0	0
12568	0.105	0.105	0	0	12569	0.102	0.102	0	0
12570	0.101	0.101	0	0	12571	0.101	0.101	0	0
12572	0.101	0.101	0	0	12573	0.101	0.101	0	0
12574	0.1	0.1	0	0	12575	0.981	0.981	0	0
12576	0.102	0.102	0	0	12577	0.104	0.104	0	0
12578	0.106	0.106	0	0	12579	0.109	0.109	0	0
12580	0.11	0.11	0	0	12581	0.111	0.111	0	0
12582	0.109	0.109	0	0	12583	0.109	0.109	0	0
12584	1.874	1.874	0	0	12585	0.107	0.107	0	0
12586	0.107	0.107	0	0	12587	0.109	0.109	0	0
12588	0.11	0.11	0	0	12589	0.112	0.112	0	0
12590	0.105	0.105	0	0	12591	0.106	0.106	0	0
12592	1.884	1.884	0	0	12593	0.112	0.112	0	0
12594	0.103	0.103	0	0	12595	0.099	0.099	0	0
12596	0.098	0.098	0	0	12597	0.098	0.098	0	0
12598	0.099	0.099	0	0	12599	0.102	0.102	0	0
12600	0.104	0.104	0	0	12601	0.981	0.981	0	0
12602	0.102	0.102	0	0	12603	0.101	0.101	0	0
12604	0.1	0.1	0	0	12605	0.099	0.099	0	0
12606	0.097	0.097	0	0	12607	0.097	0.097	0	0
12608	0.097	0.097	0	0	12609	0.097	0.097	0	0
12610	1.872	1.872	0	0	12611	0.096	0.096	0	0
12612	0.095	0.095	0	0	12613	0.095	0.095	0	0
12614	0.095	0.095	0	0	12615	0.097	0.097	0	0
12616	0.101	0.101	0	0	12617	0.106	0.106	0	0
12618	2.524	2.524	0	0	12619	0.108	0.108	0	0
12620	0.106	0.106	0	0	12621	0.099	0.099	0	0
12622	0.097	0.097	0	0	12623	0.096	0.096	0	0
12624	0.099	0.099	0	0	12625	0.107	0.107	0	0
12626	0.124	0.124	0	0	12627	0.103	0.103	0	0
12628	0.856	0.856	0	0	12629	0.856	0.856	0	0
12630	0.856	0.856	0	0	12631	0.856	0.856	0	0
12632	0.856	0.856	0	0	12633	0.856	0.856	0	0
12634	0.856	0.856	0	0	12635	0.856	0.856	0	0
12636	0.856	0.856	0	0	12637	0.856	0.856	0	0
12638	0.856	0.856	0	0	12639	0.033	0.033	0	0
12640	2.681	2.681	0	0	12641	2.194	2.194	0	0
12642	1.213	1.213	0	0	12643	3.09	3.09	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
12644	0.642	0.642	0	0	12645	3.849	3.849	0	0
12646	2.543	2.543	0	0	12647	0.08	0.08	0	0
12648	0.08	0.08	0	0	12649	1.56	1.56	0	0
12650	0.08	0.08	0	0	12651	0.08	0.08	0	0
12652	0.08	0.08	0	0	12653	0.08	0.08	0	0
12654	1.615	1.615	0	0	12655	0.856	0.856	0	0
12656	1.614	1.614	0	0	12657	8.905	8.905	0	0
12658	0.856	0.856	0	0	12659	4.056	4.056	0	0
12660	7.968	7.968	0	0	12661	1.978	1.978	0	0
12662	0.018	0.018	0	0	12663	2.156	2.156	0	0
12664	0.856	0.856	0	0	12665	0.905	0.905	0	0
12666	3.273	3.273	0	0	12667	1.615	1.615	0	0
12668	6.288	6.288	0	0	12669	0.033	0.033	0	0
12670	0.089	0.089	0	0	12671	0.436	0.436	0	0
12672	0.088	0.088	0	0	12673	0.088	0.088	0	0
12674	0.088	0.088	0	0	12675	4.753	4.753	0	0
12676	0.856	0.856	0	0	12677	0.885	0.885	0	0
12678	8.771	8.771	0	0	12679	0.901	0.901	0	0
12680	8.842	8.842	0	0	12681	0.856	0.856	0	0
12682	4.029	4.029	0	0	12683	0.085	0.085	0	0
12684	0.033	0.033	0	0	12685	0.943	0.943	0	0
12686	2.524	2.524	0	0	12687	0.033	0.033	0	0
12688	0.91	0.91	0	0	12689	0.033	0.033	0	0
12690	0.033	0.033	0	0	12691	2.524	2.524	0	0
12692	1.534	1.534	0	0	12693	0.033	0.033	0	0
12694	0.033	0.033	0	0	12695	2.524	2.524	0	0
12696	0.033	0.033	0	0	12697	0.945	0.945	0	0
12698	2.557	2.557	0	0	12699	2.557	2.557	0	0
12700	0.085	0.085	0	0	12701	0.084	0.084	0	0
12702	0.084	0.084	0	0	12703	0.083	0.083	0	0
12704	3.755	3.755	0	0	12705	0.856	0.856	0	0
12706	1.955	1.955	0	0	12707	0.856	0.856	0	0
12708	1.959	1.959	0	0	12709	0.856	0.856	0	0
12710	1.867	1.867	0	0	12711	0.856	0.856	0	0
12712	1.875	1.875	0	0	12713	0.856	0.856	0	0
12714	1.881	1.881	0	0	12715	0.856	0.856	0	0
12716	1.871	1.871	0	0	12717	0.856	0.856	0	0
12718	1.883	1.883	0	0	12719	0.856	0.856	0	0
12720	0.856	0.856	0	0	12721	0.079	0.079	0	0
12722	0.089	0.089	0	0	12723	1.685	1.685	0	0
12724	3.01	3.01	0	0	12725	2.756	2.756	0	0
12726	2.756	2.756	0	0	12727	2.942	2.942	0	0
12728	2.855	2.855	0	0	12729	2.855	2.855	0	0
12730	3.028	3.028	0	0	12731	2.781	2.781	0	0
12732	2.756	2.756	0	0	12733	1.483	1.483	0	0
12734	1.963	1.963	0	0	12735	1.284	1.284	0	0
12736	1.837	1.837	0	0	12737	1.284	1.284	0	0
12738	0.074	0.074	0	0	12739	0.073	0.073	0	0
12740	0.072	0.072	0	0	12741	0.071	0.071	0	0
12742	0.071	0.071	0	0	12743	0.072	0.072	0	0
12744	0.073	0.073	0	0	12745	0.075	0.075	0	0
12746	1.284	1.284	0	0	12747	1.16	1.16	0	0
12748	1.284	1.284	0	0	12749	0.038	0.038	0	0
12750	0.856	0.856	0	0	12751	0.856	0.856	0	0
12752	0.856	0.856	0	0	12753	0.856	0.856	0	0
12754	0.856	0.856	0	0	12755	0.856	0.856	0	0
12756	0.856	0.856	0	0	12757	0.856	0.856	0	0
12758	0.856	0.856	0	0	12759	0.856	0.856	0	0
12760	1.37	1.37	0	0	12761	2.657	2.657	0	0
12762	1.231	1.231	0	0	12763	2.428	2.428	0	0
12764	1.231	1.231	0	0	12765	2.428	2.428	0	0
12766	4.947	4.947	0	0	12767	1.231	1.231	0	0
12768	6.889	6.889	0	0	12769	1.231	1.231	0	0
12770	4.392	4.392	0	0	12771	2.048	2.048	0	0
12772	2.239	2.239	0	0	12773	1.231	1.231	0	0
12774	2.446	2.446	0	0	12775	1.231	1.231	0	0
12776	2.424	2.424	0	0	12777	1.3	1.3	0	0
12778	1.271	1.271	0	0	12779	1.307	1.307	0	0
12780	1.307	1.307	0	0	12781	0.798	0.798	0	0
12783	3.323	3.323	0	0	12784	3.401	3.401	0	0
12785	3.89	3.89	0	0	12786	3.196	3.196	0	0
12787	2.933	2.933	0	0	12788	3.476	3.476	0	0
12789	4.979	4.979	0	0	12790	3.137	3.137	0	0
12791	2.908	2.908	0	0	12792	2.965	2.965	0	0
12793	2.949	2.949	0	0	12794	6.208	6.208	0	0
12795	3.588	3.588	0	0	12796	3.209	3.209	0	0
12797	3.024	3.024	0	0	12798	6.273	6.273	0	0
12799	3.013	3.013	0	0	12800	3.086	3.086	0	0
12801	2.893	2.893	0	0	12802	3.288	3.288	0	0
12803	2.901	2.901	0	0	12804	0.86	0.86	0	0
12805	2.343	2.343	0	0	12807	2.236	2.236	0	0
12808	3.199	3.199	0	0	12809	2.148	2.148	0	0
12810	2.223	2.223	0	0	12811	1.797	1.797	0	0
12812	0.27	0.27	0	0	12813	2.894	2.894	0	0
12814	3.598	3.598	0	0	12815	2.196	2.196	0	0
12816	2.274	2.274	0	0	12817	2.401	2.401	0	0
12818	3.067	3.067	0	0	12819	1.284	1.284	0	0
12820	2.216	2.216	0	0	12821	3.094	3.094	0	0
12822	0.123	0.123	0	0	12823	0.756	0.756	0	0
12824	1.235	1.235	0	0	12825	0.631	0.631	0	0
12826	0.744	0.744	0	0	12827	4.347	4.347	0	0
12828	2.168	2.168	0	0	12829	0.605	0.605	0	0
12830	3.088	3.088	0	0	12831	5.5	5.5	0	0
12832	2.222	2.222	0	0	12833	3.098	3.098	0	0
12834	2.861	2.861	0	0	12835	2.466	2.466	0	0
12836	2.967	2.967	0	0	12837	3.025	3.025	0	0
12838	6.088	6.088	0	0	12839	3.175	3.175	0	0
12840	5.656	5.656	0	0	12841	5.977	5.977	0	0
12842	3.482	3.482	0	0	12843	6.329	6.329	0	0
12844	2.167	2.167	0	0	12845	5.812	5.812	0	0

Nodo	Massa X	Massa Y	Massa Z	Momento Z	Nodo	Massa X	Massa Y	Massa Z	Momento Z
12846	1.368	1.368	0	0	12847	2.596	2.596	0	0
12848	2.945	2.945	0	0	12849	2.831	2.831	0	0
12850	3.078	3.078	0	0	12851	0.784	0.784	0	0
12852	3.044	3.044	0	0	12853	2.246	2.246	0	0
12854	2.498	2.498	0	0	12855	2.866	2.866	0	0
12856	3.042	3.042	0	0	12857	0.033	0.033	0	0
12858	0.208	0.208	0	0	12859	0.706	0.706	0	0
12860	0.719	0.719	0	0	12861	0.033	0.033	0	0
12862	0.805	0.805	0	0	12863	0.033	0.033	0	0
12864	0.795	0.795	0	0	12865	0.968	0.968	0	0
12866	0.762	0.762	0	0	12867	0.033	0.033	0	0
12868	0.033	0.033	0	0	12869	0.049	0.049	0	0
12870	0.003	0.003	0	0	12871	0.033	0.033	0	0
12872	0.033	0.033	0	0	12873	0.033	0.033	0	0
12874	0.033	0.033	0	0	12875	0.082	0.082	0	0
12876	0.096	0.096	0	0	12877	0.091	0.091	0	0
12878	0.098	0.098	0	0	12879	0.096	0.096	0	0
12880	0.095	0.095	0	0	12881	0.124	0.124	0	0
12882	0.051	0.051	0	0	12883	0.134	0.134	0	0
12884	0.033	0.033	0	0	12885	0.033	0.033	0	0
12886	2.707	2.707	0	0					

2.6 Masse di piano

***Quota**: quota, livello o falda, a cui compete la massa risultante.*
***Massa X**: massa per la componente di spostamento lungo l'asse X. [daN/(cm/s²)]*
***Massa Y**: massa per la componente di spostamento lungo l'asse Y. [daN/(cm/s²)]*

Quota	Massa X	Massa Y	Quota	Massa X	Massa Y
Piano 1	1521.035	1521.035	Falda 2	16.852	16.852
Piano 2	555.667	555.667	Colmo	107.279	107.279
Falda 3	2.993	2.993	Falda 10	0.744	0.744
Falda 5, Falda 7	2.622	2.622	Altre quote	482.043	482.043

2.7 Gusci

2.7.1 Caratteristiche meccaniche gusci

***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Comportamento**: comportamento del materiale.*
***E1**: modulo di elasticità longitudinale, lungo l'asse 1 del sistema di riferimento locale. [daN/cm²]*
***v**: modulo di Poisson. Il valore è adimensionale.*
***E2**: modulo di elasticità longitudinale, lungo l'asse 2 del sistema di riferimento locale. [daN/cm²]*
***G**: modulo di elasticità tangenziale. [daN/cm²]*
***α**: coefficiente di dilatazione termica longitudinale. [°C-1]*
***Peso unitario**: peso per unità di volume, riferito allo spessore membranale. [daN/cm³]*

Indice	Comportamento	E1	v	E2	G	α	Peso unitario
1	Isotropo	8000	0.25	0	0	0.000006	0.0019
2	Isotropo G trascurabile	8000	0	8000	1	0.000006	0.0019
3	Isotropo	289256	0.1	0	0	0.00001	0

2.7.2 Definizioni gusci

***In.**: numero dell'elemento nell'insieme che lo contiene.*
***Nodo I**: primo nodo di definizione dell'elemento.*
***Nodo J**: secondo nodo di definizione dell'elemento.*
***Nodo L**: terzo nodo di definizione dell'elemento; nel caso di elementi triangolari non è definito.*
***Nodo K**: ultimo nodo di definizione dell'elemento.*
***Sp.mem.**: spessore membranale dell'elemento. [cm]*
***Sp.fless.**: spessore flessionale dell'elemento. [cm]*
***Tm**: variazione termica nel piano medio dell'elemento. [°C]*
***Mat.**: caratteristiche meccaniche dell'elemento.*
***Ind.**: numero dell'elemento nell'insieme che lo contiene.*

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
1	320	346	1041	1066	140	28	0	2	2	1066	1041	1445	1472	140	28	0	2
3	1472	1445	1851	1861	140	28	0	2	4	1861	1851	2249	2239	140	28	0	2
5	2239	2249	2630	2616	140	28	0	2	6	2616	2630	3005	2989	140	28	0	2
7	2989	3005	3382	3365	140	28	0	2	8	3365	3382	3764	3750	140	28	0	2
9	3750	3764	4160	4158	140	28	0	2	10	4158	4160	4573	4579	140	28	0	2
11	4579	4573	5261	5265	140	28	0	2	12	5265	5261	5841	5846	140	28	0	2
13	5846	5841	6945	6907	140	28	0	2	14	346	351	1039	1041	140	28	0	2
15	1041	1039	1442	1445	140	28	0	2	16	1445	1442	1856	1851	140	28	0	2
17	1851	1856	2271	2249	140	28	0	2	18	2249	2271	2661	2630	140	28	0	2
19	2630	2661	3046	3005	140	28	0	2	20	3005	3046	3429	3382	140	28	0	2
21	3382	3429	3791	3764	140	28	0	2	22	3764	3791	4167	4160	140	28	0	2
23	4160	4167	4574	4573	140	28	0	2	24	4573	4574	5258	5261	140	28	0	2
25	5261	5258	5837	5841	140	28	0	2	26	5841	5837	6952	6945	140	28	0	2
27	351	355	1038	1039	140	28	0	2	28	1039	1038	1441	1442	140	28	0	2
29	1442	1441	1879	1856	140	28	0	2	30	1856	1879	2313	2271	140	28	0	2
31	2271	2313	2703	2661	140	28	0	2	32	2661	2703	3170	3046	140	28	0	2

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
33	3046	3170	3546	3429	140	28	0	2
35	3791	3833	4183	4167	140	28	0	2
37	4574	4577	5254	5258	140	28	0	2
39	5837	5834	6964	6952	140	28	0	2
41	1038	1036	1440	1441	140	28	0	1
43	1879	1882	2314	2313	140	28	0	1
45	3833	3847	4191	4183	140	28	0	1
47	4577	4576	5250	5254	140	28	0	1
49	5834	5832	6975	6964	140	28	0	1
51	1036	1034	1439	1440	140	28	0	1
53	1882	1880	2315	2314	140	28	0	1
55	3847	3848	4190	4191	140	28	0	1
57	4576	4572	5247	5250	140	28	0	1
59	5832	5826	6978	6975	140	28	0	1
61	1034	1033	1438	1439	140	28	0	1
63	1880	1877	2316	2315	140	28	0	1
65	3848	3844	4181	4190	140	28	0	1
67	4572	4567	5244	5247	140	28	0	1
69	5826	5823	6984	6978	140	28	0	1
71	1033	1032	1436	1438	140	28	0	1
73	1877	1868	2317	2316	140	28	0	1
75	3844	3837	4173	4181	140	28	0	1
77	4567	4561	5237	5244	140	28	0	1
79	5823	5815	6990	6984	140	28	0	1
81	1032	1030	1431	1436	140	28	0	1
83	1868	1848	2318	2317	140	28	0	1
85	3837	3816	4150	4173	140	28	0	1
87	4561	4552	5230	5237	140	28	0	1
89	5815	5813	6998	6990	140	28	0	1
91	1030	1029	1426	1431	140	28	0	1
93	1848	1810	2242	2318	140	28	0	1
95	2704	2633	3020	3171	140	28	0	1
97	3551	3399	3753	3816	140	28	0	1
99	4150	4131	4544	4552	140	28	0	1
101	5230	5222	5806	5813	140	28	0	1
103	381	388	1027	1029	140	28	0	1
105	1426	1419	1801	1810	140	28	0	1
107	2242	2186	2586	2633	140	28	0	1
109	3020	2968	3338	3399	140	28	0	1
111	3753	3723	4111	4131	140	28	0	1
113	4544	4534	5211	5222	140	28	0	1
115	5806	5800	7016	7004	140	28	0	1
117	1027	1024	1410	1419	140	28	0	1
119	1801	1796	2169	2186	140	28	0	1
121	2586	2547	2921	2968	140	28	0	1
123	3338	3311	3702	3723	140	28	0	1
125	4111	4098	4525	4534	140	28	0	1
127	5211	5207	5794	5800	140	28	0	1
129	412	420	1021	1024	140	28	0	1
131	1410	1403	1793	1796	140	28	0	1
133	2169	2163	2536	2547	140	28	0	1
135	2921	2909	3288	3311	140	28	0	1
137	3702	3686	4088	4098	140	28	0	1
139	4525	4513	5194	5207	140	28	0	1
141	5794	5783	7063	7055	140	28	0	1
143	1021	1017	1402	1403	140	28	0	1
145	1793	1788	2160	2163	140	28	0	1
147	2536	2525	2902	2909	140	28	0	1
149	3288	3278	3678	3686	140	28	0	1
151	4088	4081	4508	4513	140	28	0	1
153	5194	5185	5779	5783	140	28	0	1
155	427	434	1014	1017	140	28	0	1
157	1402	1400	1784	1788	140	28	0	1
159	2160	2157	2523	2525	140	28	0	1
161	2902	2898	3272	3278	140	28	0	1
163	3678	3672	4075	4081	140	28	0	1
165	4508	4500	5180	5185	140	28	0	1
167	5779	5775	7081	7073	140	28	0	1
169	1014	1010	1396	1400	140	28	0	1
171	1784	1782	2153	2157	140	28	0	1
173	2523	2521	2896	2898	140	28	0	1
175	3272	3268	3666	3672	140	28	0	1
177	4075	4070	4496	4500	140	28	0	1
179	5180	5175	5773	5775	140	28	0	1
181	442	449	1007	1010	140	28	0	1
183	1396	1394	1777	1782	140	28	0	1
185	2153	2150	2517	2521	140	28	0	1
187	2896	2893	3265	3268	140	28	0	1
189	3666	3657	4061	4070	140	28	0	1
191	4496	4491	5172	5175	140	28	0	1
193	5773	5768	7099	7091	140	28	0	1
195	1007	1004	1392	1394	140	28	0	1
197	1777	1775	2148	2150	140	28	0	1
199	2517	2516	2884	2893	140	28	0	1
201	3265	3260	3648	3657	140	28	0	1
203	4061	4058	4486	4491	140	28	0	1
205	5172	5167	5766	5768	140	28	0	1
207	458	635	1001	1004	140	28	0	1
209	1392	1389	1771	1775	140	28	0	1
211	2148	2143	2514	2516	140	28	0	1
213	2884	2881	3255	3260	140	28	0	1
215	3648	3639	4050	4058	140	28	0	1
217	4486	4483	5162	5167	140	28	0	1
219	5766	5760	7115	7106	140	28	0	1
221	1001	998	1387	1389	140	28	0	1
223	1771	1767	2141	2143	140	28	0	1
225	2514	2512	2880	2881	140	28	0	1
227	3255	3253	3632	3639	140	28	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
34	3429	3546	3833	3791	140	28	0	2
36	4167	4183	4577	4574	140	28	0	2
38	5258	5254	5834	5837	140	28	0	2
40	355	359	1036	1038	140	28	0	1
42	1441	1440	1882	1879	140	28	0	1
44	3546	3547	3847	3833	140	28	0	1
46	4183	4191	4576	4577	140	28	0	1
48	5254	5250	5832	5834	140	28	0	1
50	359	363	1034	1036	140	28	0	1
52	1440	1439	1880	1882	140	28	0	1
54	3547	3548	3848	3847	140	28	0	1
56	4191	4190	4572	4576	140	28	0	1
58	5250	5247	5826	5832	140	28	0	1
60	363	369	1033	1034	140	28	0	1
62	1439	1438	1877	1880	140	28	0	1
64	3548	3549	3844	3848	140	28	0	1
66	4190	4181	4567	4572	140	28	0	1
68	5247	5244	5823	5826	140	28	0	1
70	369	373	1032	1033	140	28	0	1
72	1438	1436	1868	1877	140	28	0	1
74	3549	3550	3837	3844	140	28	0	1
76	4181	4173	4561	4567	140	28	0	1
78	5244	5237	5815	5823	140	28	0	1
80	373	377	1030	1032	140	28	0	1
82	1436	1431	1848	1868	140	28	0	1
84	3550	3551	3816	3837	140	28	0	1
86	4173	4150	4552	4561	140	28	0	1
88	5237	5230	5813	5815	140	28	0	1
90	377	381	1029	1030	140	28	0	1
92	1431	1426	1810	1848	140	28	0	1
94	2318	2242	2633	2704	140	28	0	1
96	3171	3020	3399	3551	140	28	0	1
98	3816	3753	4131	4150	140	28	0	1
100	4552	4544	5222	5230	140	28	0	1
102	5813	5806	7004	6998	140	28	0	1
104	1029	1027	1419	1426	140	28	0	1
106	1810	1801	2186	2242	140	28	0	1
108	2633	2586	2968	3020	140	28	0	1
110	3399	3338	3723	3753	140	28	0	1
112	4131	4111	4534	4544	140	28	0	1
114	5222	5211	5800	5806	140	28	0	1
116	388	412	1024	1027	140	28	0	1
118	1419	1410	1796	1801	140	28	0	1
120	2186	2169	2547	2586	140	28	0	1
122	2968	2921	3311	3338	140	28	0	1
124	3723	3702	4098	4111	140	28	0	1
126	4534	4525	5207	5211	140	28	0	1
128	5800	5794	7055	7016	140	28	0	1
130	1024	1021	1403	1410	140	28	0	1
132	1796	1793	2163	2169	140	28	0	1
134	2547	2536	2909	2921	140	28	0	1
136	3311	3288	3686	3702	140	28	0	1
138	4098	4088	4513	4525	140	28	0	1
140	5207	5194	5783	5794	140	28	0	1
142	420	427	1017	1021	140	28	0	1
144	1403	1402	1788	1793	140	28	0	1
146	2163	2160	2525	2536	140	28	0	1
148	2909	2902	3278	3288	140	28	0	1
150	3686	3678	4081	4088	140	28	0	1
152	4513	4508	5185	5194	140	28	0	1
154	5783	5779	7073	7063	140	28	0	1
156	1017	1014	1400	1402	140	28	0	1
158	1788	1784	2157	2160	140	28	0	1
160	2525	2523	2898	2902	140	28	0	1
162	3278	3272	3672	3678	140	28	0	1
164	4081	4075	4500	4508	140	28	0	1
166	5185	5180	5775	5779	140	28	0	1
168	434	442	1010	1014	140	28	0	1
170	1400	1396	1782	1784	140	28	0	1
172	2157	2153	2521	2523	140	28	0	1
174	2898	2896	3268	3272	140	28	0	1
176	3672	3666	4070	4075	140	28	0	1
178	4500	4496	5175	5180	140	28	0	1
180	5775	5773	7091	7081	140	28	0	1
182	1010	1007	1394	1396	140	28	0	1
184	1782	1777	2150	2153	140	28	0	1
186	2521	2517	2893	2896	140	28	0	1
188	3268	3265	3657	3666	140	28	0	1
190	4070	4061	4491	4496	140	28	0	1
192	5175	5172	5768	5773	140	28	0	1
194	449	458	1004	1007	140	28	0	1
196	1394	1392	1775	1777	140	28	0	1
198	2150	2148	2516	2517	140	28	0	1
200	2893	2884	3260	3265	140	28	0	1
202	3657	3648	4058	4061	140	28	0	1
204	4491	4486	5167	5172	140	28	0	1
206	5768	5766	7106	7099	140	28	0	1
208	1004	1001	1389	1392	140	28	0	1
210	1775	1771	2143	2148	140	28	0	1
212	2516	2514	2881	2884	140	28	0	1
214	3260	3255	3639	3648	140	28	0	1
216	4058	4050	4483	4486	140	28	0	1
218	5167	5162	5760	5766	140	28	0	1
220	635	640	998	1001	140	28	0	1
222	1389	1387	1767	1771	140	28	0	1
224	2143	2141	2512	2514	140	28	0	1
226	2881	2880	3253	3255	140	28	0	1
228	3639	3632	4045	4050	140	28	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
229	4050	4045	4477	4483	140	28	0	1
231	5162	5148	5758	5760	140	28	0	1
233	75	73	871	918	60	12	0	1
235	1301	1251	1613	1667	60	12	0	1
237	2035	1966	2329	2390	60	12	0	1
239	2751	2691	3055	3120	60	12	0	1
241	3490	3425	3806	3880	60	12	0	1
243	4264	4194	4606	4669	60	12	0	1
245	5354	5286	5868	5936	60	12	0	1
247	73	72	832	871	60	12	0	1
249	1251	1214	1569	1613	60	12	0	1
251	1966	1931	2292	2329	60	12	0	1
253	2691	2653	3008	3055	60	12	0	1
255	3425	3375	3743	3806	60	12	0	1
257	4194	4138	4555	4606	60	12	0	1
259	5286	5239	5825	5868	60	12	0	1
261	72	71	796	832	60	12	0	1
263	1214	1172	1536	1569	60	12	0	1
265	1931	1900	2259	2292	60	12	0	1
267	2653	2620	2973	3008	60	12	0	1
269	3375	3329	3707	3743	60	12	0	1
271	4138	4097	4516	4555	60	12	0	1
273	5239	5191	5781	5825	60	12	0	1
275	71	70	752	796	60	12	0	1
277	1172	1139	1504	1536	60	12	0	1
279	1900	1864	2219	2259	60	12	0	1
281	2620	2568	2916	2973	60	12	0	1
283	3329	3273	3640	3707	60	12	0	1
285	4097	4040	4467	4516	60	12	0	1
287	5191	5095	5742	5781	60	12	0	1
289	70	69	696	752	60	12	0	1
291	1139	1059	1454	1504	60	12	0	1
293	1864	1817	2179	2219	60	12	0	1
295	2568	2534	2891	2916	60	12	0	1
297	3273	3237	3590	3640	60	12	0	1
299	4040	3973	4416	4467	60	12	0	1
301	5095	5041	5710	5742	60	12	0	1
303	6257	6278	5887	5912	45	9	0	1
305	5330	5309	4625	4645	45	9	0	1
307	4240	4215	3829	3856	45	9	0	1
309	3467	3446	3073	3097	45	9	0	1
311	2728	2708	2348	2367	45	9	0	1
313	2012	1981	1628	1644	45	9	0	1
315	1278	1265	884	895	45	9	0	1
317	6278	6281	5862	5887	45	9	0	1
319	5309	5281	4599	4625	45	9	0	1
321	4215	4186	3794	3829	45	9	0	1
323	3446	3418	3048	3073	45	9	0	1
325	2708	2685	2326	2348	45	9	0	1
327	1981	1962	1609	1628	45	9	0	1
329	1265	1244	866	884	45	9	0	1
331	6281	6285	5839	5862	45	9	0	1
333	5281	5257	4570	4599	45	9	0	1
335	4186	4149	3762	3794	45	9	0	1
337	3418	3384	3026	3048	45	9	0	1
339	2685	2666	2301	2326	45	9	0	1
341	1962	1944	1582	1609	45	9	0	1
343	1244	1228	845	866	45	9	0	1
345	6285	6290	5816	5839	45	9	0	1
347	5257	5234	4549	4570	45	9	0	1
349	4149	4128	3735	3762	45	9	0	1
351	3384	3358	3000	3026	45	9	0	1
353	2666	2647	2285	2301	45	9	0	1
355	1944	1923	1565	1582	45	9	0	1
357	1228	1208	825	845	45	9	0	1
359	6290	6294	5797	5816	45	9	0	1
361	5234	5208	4529	4549	45	9	0	1
363	4128	4107	3718	3735	45	9	0	1
365	3358	3337	2981	3000	45	9	0	1
367	2647	2624	2266	2285	45	9	0	1
369	1923	1907	1549	1565	45	9	0	1
371	1208	1191	807	825	45	9	0	1
373	6294	6298	5770	5797	45	9	0	1
375	5208	5176	4498	4529	45	9	0	1
377	4107	4080	3692	3718	45	9	0	1
379	3337	3319	2958	2981	45	9	0	1
381	2624	2604	2246	2266	45	9	0	1
383	1907	1893	1531	1549	45	9	0	1
385	1191	1167	790	807	45	9	0	1
387	6298	6302	5749	5770	45	9	0	1
389	5176	5135	4478	4498	45	9	0	1
391	4080	4053	3660	3692	45	9	0	1
393	3319	3283	2923	2958	45	9	0	1
395	2604	2582	2225	2246	45	9	0	1
397	1893	1870	1513	1531	45	9	0	1
399	1167	1148	765	790	45	9	0	1
401	6302	6306	5726	5749	45	9	0	1
403	5135	5057	4442	4478	45	9	0	1
405	4053	4016	3621	3660	45	9	0	1
407	3283	3262	2905	2923	45	9	0	1
409	2582	2549	2199	2225	45	9	0	1
411	1870	1843	1494	1513	45	9	0	1
413	1148	1125	744	765	45	9	0	1
415	6306	6333	5703	5726	45	9	0	1
417	5057	5034	4409	4442	45	9	0	1
419	4016	3966	3579	3621	45	9	0	1
421	3262	3231	2885	2905	45	9	0	1
423	2549	2528	2173	2199	45	9	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
230	4483	4477	5148	5162	140	28	0	1
232	5760	5758	7228	7115	140	28	0	1
234	918	871	1251	1301	60	12	0	1
236	1667	1613	1966	2035	60	12	0	1
238	2390	2329	2691	2751	60	12	0	1
240	3120	3055	3425	3490	60	12	0	1
242	3880	3806	4194	4264	60	12	0	1
244	4669	4606	5286	5354	60	12	0	1
246	5936	5868	6400	6401	60	12	0	1
248	871	832	1214	1251	60	12	0	1
250	1613	1569	1931	1966	60	12	0	1
252	2329	2292	2653	2691	60	12	0	1
254	3055	3008	3375	3425	60	12	0	1
256	3806	3743	4138	4194	60	12	0	1
258	4606	4555	5239	5286	60	12	0	1
260	5868	5825	6399	6400	60	12	0	1
262	832	796	1172	1214	60	12	0	1
264	1569	1536	1900	1931	60	12	0	1
266	2292	2259	2620	2653	60	12	0	1
268	3008	2973	3329	3375	60	12	0	1
270	3743	3707	4097	4138	60	12	0	1
272	4555	4516	5191	5239	60	12	0	1
274	5825	5781	6398	6399	60	12	0	1
276	796	752	1139	1172	60	12	0	1
278	1536	1504	1864	1900	60	12	0	1
280	2259	2219	2568	2620	60	12	0	1
282	2973	2916	3273	3329	60	12	0	1
284	3707	3640	4040	4097	60	12	0	1
286	4516	4467	5095	5191	60	12	0	1
288	5781	5742	6397	6398	60	12	0	1
290	752	696	1059	1139	60	12	0	1
292	1504	1454	1817	1864	60	12	0	1
294	2219	2179	2534	2568	60	12	0	1
296	2916	2891	3237	3273	60	12	0	1
298	3640	3590	3973	4040	60	12	0	1
300	4467	4416	5041	5095	60	12	0	1
302	5742	5710	6396	6397	60	12	0	1
304	5912	5887	5309	5330	45	9	0	1
306	4645	4625	4215	4240	45	9	0	1
308	3856	3829	3446	3467	45	9	0	1
310	3097	3073	2708	2728	45	9	0	1
312	2367	2348	1981	2012	45	9	0	1
314	1644	1628	1265	1278	45	9	0	1
316	895	884	19	2	45	9	0	1
318	5887	5862	5281	5309	45	9	0	1
320	4625	4599	4186	4215	45	9	0	1
322	3829	3794	3418	3446	45	9	0	1
324	3073	3048	2685	2708	45	9	0	1
326	2348	2326	1962	1981	45	9	0	1
328	1628	1609	1244	1265	45	9	0	1
330	884	866	21	19	45	9	0	1
332	5862	5839	5257	5281	45	9	0	1
334	4599	4570	4149	4186	45	9	0	1
336	3794	3762	3384	3418	45	9	0	1
338	3048	3026	2666	2685	45	9	0	1
340	2326	2301	1944	1962	45	9	0	1
342	1609	1582	1228	1244	45	9	0	1
344	866	845	23	21	45	9	0	1
346	5839	5816	5234	5257	45	9	0	1
348	4570	4549	4128	4149	45	9	0	1
350	3762	3735	3358	3384	45	9	0	1
352	3026	3000	2647	2666	45	9	0	1
354	2301	2285	1923	1944	45	9	0	1
356	1582	1565	1208	1228	45	9	0	1
358	845	825	25	23	45	9	0	1
360	5816	5797	5208	5234	45	9	0	1
362	4549	4529	4107	4128	45	9	0	1
364	3735	3718	3337	3358	45	9	0	1
366	3000	2981	2624	2647	45	9	0	1
368	2285	2266	1907	1923	45	9	0	1
370	1565	1549	1191	1208	45	9	0	1
372	825	807	27	25	45	9	0	1
374	5797	5770	5176	5208	45	9	0	1
376	4529	4498	4080	4107	45	9	0	1
378	3718	3692	3319	3337	45	9	0	1
380	2981	2958	2604	2624	45	9	0	1
382	2266	2246	1893	1907	45	9	0	1
384	1549	1531	1167	1191	45	9	0	1
386	807	790	29	27	45	9	0	1
388	5770	5749	5135	5176	45	9	0	1
390	4498	4478	4053	4080	45	9	0	1
392	3692	3660	3283	3319	45	9	0	1
394	2958	2923	2582	2604	45	9	0	1
396	2246	2225	1870	1893	45	9	0	1
398	1531	1513	1148	1167	45	9	0	1
400	790	765	31	29	45	9	0	1
402	5749	5726	5057	5135	45	9	0	1
404	4478	4442	4016	4053	45	9	0	1
406	3660	3621	3262	3283	45	9	0	1
408	2923	2905	2549	2582	45	9	0	1
410	2225	2199	1843	1870	45	9	0	1
412	1513	1494	1125	1148	45	9	0	1
414	765	744	33	31	45	9	0	1
416	5726	5703	5034	5057	45	9	0	1
418	4442	4409	3966	4016	45	9	0	1
420	3621	3579	3231	3262	45	9	0	1
422	2905	2885	2528	2549	45	9	0	1
424	2199	2173	1811	1843	45	9	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
425	1843	1811	1448	1494	45	9	0	1	426	1494	1448	1048	1125	45	9	0	1
427	1125	1048	685	744	45	9	0	1	428	744	685	35	33	45	9	0	1
429	6333	6364	5704	5703	45	9	0	1	430	5703	5704	5035	5034	45	9	0	1
431	5034	5035	4410	4409	45	9	0	1	432	4409	4410	3967	3966	45	9	0	1
433	3966	3967	3584	3579	45	9	0	1	434	6364	6370	5705	5704	45	9	0	1
435	5704	5705	5036	5035	45	9	0	1	436	5035	5036	4411	4410	45	9	0	1
437	4410	4411	3968	3967	45	9	0	1	438	3967	3968	3585	3584	45	9	0	1
439	6370	6376	5706	5705	45	9	0	1	440	5705	5706	5037	5036	45	9	0	1
441	5036	5037	4412	4411	45	9	0	1	442	4411	4412	3969	3968	45	9	0	1
443	3968	3969	3586	3585	45	9	0	1	444	6376	6382	5707	5706	45	9	0	1
445	5706	5707	5038	5037	45	9	0	1	446	5037	5038	4413	4412	45	9	0	1
447	4412	4413	3970	3969	45	9	0	1	448	3969	3970	3587	3586	45	9	0	1
449	6382	6388	5708	5707	45	9	0	1	450	5707	5708	5039	5038	45	9	0	1
451	5038	5039	4414	4413	45	9	0	1	452	4413	4414	3971	3970	45	9	0	1
453	3970	3971	3588	3587	45	9	0	1	454	6388	6395	5709	5708	45	9	0	2
455	5708	5709	5040	5039	45	9	0	2	456	5039	5040	4415	4414	45	9	0	2
457	4414	4415	3972	3971	45	9	0	2	458	3971	3972	3589	3588	45	9	0	2
459	3589	3236	3235	3588	45	9	0	2	460	3236	2890	2889	3235	45	9	0	2
461	2890	2533	2532	2889	45	9	0	2	462	2533	2178	2177	2532	45	9	0	2
463	2178	1816	1815	2177	45	9	0	2	464	1816	1453	1452	1815	45	9	0	2
465	1453	1058	1057	1452	45	9	0	2	466	1058	695	694	1057	45	9	0	2
467	695	67	63	694	45	9	0	2	468	63	60	693	694	45	9	0	1
469	694	693	1056	1057	45	9	0	1	470	60	56	692	693	45	9	0	1
471	693	692	1055	1056	45	9	0	1	472	56	54	691	692	45	9	0	1
473	692	691	1054	1055	45	9	0	1	474	54	51	690	691	45	9	0	1
475	691	690	1053	1054	45	9	0	1	476	51	35	685	690	45	9	0	1
477	690	685	1048	1053	45	9	0	1	478	3584	3234	3231	3579	45	9	0	1
479	3234	2888	2885	3231	45	9	0	1	480	2888	2531	2528	2885	45	9	0	1
481	2531	2176	2173	2528	45	9	0	1	482	2176	1814	1811	2173	45	9	0	1
483	1814	1451	1448	1811	45	9	0	1	484	1451	1053	1048	1448	45	9	0	1
485	41	50	912	911	45	9	0	1	486	911	912	1295	1294	45	9	0	1
487	1294	1295	1661	1660	45	9	0	1	488	1660	1661	2029	2028	45	9	0	1
489	2028	2029	2384	2383	45	9	0	1	490	2383	2384	2745	2744	45	9	0	1
491	2744	2745	3114	3113	45	9	0	1	492	3113	3114	3484	3483	45	9	0	1
493	3483	3484	3874	3873	45	9	0	1	494	3873	3874	4258	4257	45	9	0	1
495	4257	4258	4663	4662	45	9	0	1	496	4662	4663	5348	5347	45	9	0	1
497	5347	5348	5930	5929	45	9	0	1	498	5929	5930	6360	6341	45	9	0	1
499	50	52	913	912	45	9	0	1	500	912	913	1296	1295	45	9	0	1
501	1295	1296	1662	1661	45	9	0	1	502	1661	1662	2030	2029	45	9	0	1
503	2029	2030	2385	2384	45	9	0	1	504	2384	2385	2746	2745	45	9	0	1
505	2745	2746	3115	3114	45	9	0	1	506	3114	3115	3485	3484	45	9	0	1
507	3484	3485	3875	3874	45	9	0	1	508	3874	3875	4259	4258	45	9	0	1
509	4258	4259	4664	4663	45	9	0	1	510	4663	4664	5349	5348	45	9	0	1
511	5348	5349	5931	5930	45	9	0	1	512	5930	5931	6366	6360	45	9	0	1
513	52	55	914	913	45	9	0	1	514	913	914	1297	1296	45	9	0	1
515	1296	1297	1663	1662	45	9	0	1	516	1662	1663	2031	2030	45	9	0	1
517	2030	2031	2386	2385	45	9	0	1	518	2385	2386	2747	2746	45	9	0	1
519	2746	2747	3116	3115	45	9	0	1	520	3115	3116	3486	3485	45	9	0	1
521	3485	3486	3876	3875	45	9	0	1	522	3875	3876	4260	4259	45	9	0	1
523	4259	4260	4665	4664	45	9	0	1	524	4664	4665	5350	5349	45	9	0	1
525	5349	5350	5932	5931	45	9	0	1	526	5931	5932	6372	6366	45	9	0	1
527	55	58	915	914	45	9	0	1	528	914	915	1298	1297	45	9	0	1
529	1297	1298	1664	1663	45	9	0	1	530	1663	1664	2032	2031	45	9	0	1
531	2031	2032	2387	2386	45	9	0	1	532	2386	2387	2748	2747	45	9	0	1
533	2747	2748	3117	3116	45	9	0	1	534	3116	3117	3487	3486	45	9	0	1
535	3486	3487	3877	3876	45	9	0	1	536	3876	3877	4261	4260	45	9	0	1
537	4260	4261	4666	4665	45	9	0	1	538	4665	4666	5351	5350	45	9	0	1
539	5350	5351	5933	5932	45	9	0	1	540	5932	5933	6378	6372	45	9	0	1
541	58	62	916	915	45	9	0	1	542	915	916	1299	1298	45	9	0	1
543	1298	1299	1665	1664	45	9	0	1	544	1664	1665	2033	2032	45	9	0	1
545	2032	2033	2388	2387	45	9	0	1	546	2387	2388	2749	2748	45	9	0	1
547	2748	2749	3118	3117	45	9	0	1	548	3117	3118	3488	3487	45	9	0	1
549	3487	3488	3878	3877	45	9	0	1	550	3877	3878	4262	4261	45	9	0	1
551	4261	4262	4667	4666	45	9	0	1	552	4666	4667	5352	5351	45	9	0	1
553	5351	5352	5934	5933	45	9	0	1	554	5933	5934	6383	6378	45	9	0	1
555	62	65	917	916	45	9	0	1	556	916	917	1300	1299	45	9	0	1
557	1299	1300	1666	1665	45	9	0	1	558	1665	1666	2034	2033	45	9	0	1
559	2033	2034	2389	2388	45	9	0	1	560	2388	2389	2750	2749	45	9	0	1
561	2749	2750	3119	3118	45	9	0	1	562	3118	3119	3489	3488	45	9	0	1
563	3488	3489	3879	3878	45	9	0	1	564	3878	3879	4263	4262	45	9	0	1
565	4262	4263	4668	4667	45	9	0	1	566	4667	4668	5353	5352	45	9	0	1
567	5352	5353	5935	5934	45	9	0	1	568	5934	5935	6389	6383	45	9	0	1
569	65	75	918	917	45	9	0	1	570	917	918	1301	1300	45	9	0	1
571	1300	1301	1667	1666	45	9	0	1	572	1666	1667	2035	2034	45	9	0	1
573	2034	2035	2390	2389	45	9	0	1	574	2389	2390	2751	2750	45	9	0	1
575	2750	2751	3120	3119	45	9	0	1	576	3119	3120	3490	3489	45	9	0	1
577	3489	3490	3880	3879	45	9	0	1	578	3879	3880	4264	4263	45	9	0	1
579	4263	4264	4669	4668	45	9	0	1	580	4668	4669	5354	5353	45	9	0	1
581	5353	5354	5936	5935	45	9	0	1	582	5935	5936	6401	6389	45	9	0	1
583	43	44	984	977	60	12	0	1	584	44	45	979	984	60	12	0	1
585	45	46	988	979	60	12	0	1	586	46	47	994	988	60	12	0	1
587	47	48	999	994	60	12	0	1	588	49	1011	999	48	60	12	0	1
589	1011	1398	1391	999	60	12	0	1	590	1398	1789	1779	1391	60	12	0	1
591	1789	2166	2161	1779	60	12	0	1	592	2166	2550	2544	2161	60	12	0	1
593	2550	2961	2953	2544	60	12	0	1	594	2961	3360	3356	2953	60	12	0	1
595	3360	3798	3804	3356	60	12	0	1	596	3798	4317	4320	3804	60	12	0	1
597	4317	4755	4740	4320	60	12	0	1	598	4755	5444	5505	4740	60	12	0	1
599	5444	6016	6083	5505	60	12	0	1	600	6350	6349	6083	6016	60	12	0	1
601	6349	6348	6085	6083	60	12	0	1	602	6348	6347	6078	6085	60	12	0	1
603	6347	6346	6009	6078	60	12	0	1	604	6346	6345	6004	6009	60	12	0	1
605	6345	6344	6002	6004	60	12	0	1	606	6344	6343	5999	6002	60	12	0	1
607	6343	6342	5994	5999	60	12	0	1	608	6340	5928	5994	6342	60	12	0	1
609	5928	5346	5406	5994	60	12	0	1	610	5346	4661	4721	5406	60	12	0	1
611	4661	4256	4315	4721	60	12	0	1	612	4256	3872	3851	4315	60	12	0	1
613	3872	3483	3451	3851	60	12	0	1	614	3483	3113	3069	3451	60	12	0	1
615	3113	2744	2697	3069	60	12	0	1	616	2744	2383	2344	2697	60	12	0	1
617	2383	2028	2007	2344	60	12	0	1	618	2028	1660	1732	2007	60	12	0	1
619	1660	1294	1359	1732	60	12	0	1	620	1294	911	975	1359	60	12	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
621	41	42	975	911	60	12	0	1	622	42	43	977	975	60	12	0	1
623	3356	3804	3795	3354	60	12	0	1	624	3804	4320	4314	3795	60	12	0	1
625	4320	4740	4732	4314	60	12	0	1	626	4740	5505	5435	4732	60	12	0	1
627	5505	6083	6085	5435	60	12	0	1	628	3354	3795	3797	3355	60	12	0	1
629	3795	4314	4236	3797	60	12	0	1	630	4314	4732	4731	4236	60	12	0	1
631	4732	5435	5425	4731	60	12	0	1	632	5435	6085	6078	5425	60	12	0	1
633	3355	3797	3803	3370	60	12	0	1	634	3797	4236	4232	3803	60	12	0	1
635	4236	4731	4727	4232	60	12	0	1	636	4731	5425	5423	4727	60	12	0	1
637	5425	6078	6009	5423	60	12	0	1	638	3370	3803	3815	3378	60	12	0	1
639	3803	4232	4239	3815	60	12	0	1	640	4232	4727	4726	4239	60	12	0	1
641	4727	5423	5414	4726	60	12	0	1	642	5423	6009	6004	5414	60	12	0	1
643	3378	3815	3823	3404	60	12	0	1	644	3815	4239	4237	3823	60	12	0	1
645	4239	4726	4725	4237	60	12	0	1	646	4726	5414	5415	4725	60	12	0	1
647	5414	6004	6002	5415	60	12	0	1	648	3404	3823	3834	3427	60	12	0	1
649	3823	4237	4238	3834	60	12	0	1	650	4237	4725	4723	4238	60	12	0	1
651	4725	5415	5410	4723	60	12	0	1	652	5415	6002	5999	5410	60	12	0	1
653	3427	3834	3851	3451	60	12	0	1	654	3834	4238	4315	3851	60	12	0	1
655	4238	4723	4721	4315	60	12	0	1	656	4723	5410	5406	4721	60	12	0	1
657	5410	5999	5994	5406	60	12	0	1	658	2146	2543	2601	2187	60	12	0	1
659	2543	2972	2998	2601	60	12	0	1	660	2972	3378	3404	2998	60	12	0	1
661	2187	2601	2658	2299	60	12	0	1	662	2601	2998	3037	2658	60	12	0	1
663	2998	3404	3427	3037	60	12	0	1	664	2299	2658	2697	2344	60	12	0	1
665	2658	3037	3069	2697	60	12	0	1	666	3037	3427	3451	3069	60	12	0	1
667	2299	2344	2007	2098	60	12	0	1	668	2007	1732	1795	2098	60	12	0	1
669	1795	2187	2299	2098	60	12	0	1	670	1795	1770	2146	2187	60	12	0	1
671	1732	1359	1380	1795	60	12	0	1	672	1359	975	977	1380	60	12	0	1
673	1795	1380	1375	1770	60	12	0	1	674	1380	977	984	1375	60	12	0	1
675	984	979	1365	1375	60	12	0	1	676	979	988	1372	1365	60	12	0	1
677	988	994	1383	1372	60	12	0	1	678	994	999	1391	1383	60	12	0	1
679	1375	1365	1753	1770	60	12	0	1	680	1365	1372	1761	1753	60	12	0	1
681	1372	1383	1773	1761	60	12	0	1	682	1383	1391	1779	1773	60	12	0	1
683	1770	1753	2142	2146	60	12	0	1	684	1753	1761	2149	2142	60	12	0	1
685	1761	1773	2155	2149	60	12	0	1	686	1773	1779	2161	2155	60	12	0	1
687	2146	2142	2526	2543	60	12	0	1	688	2142	2149	2527	2526	60	12	0	1
689	2149	2155	2540	2527	60	12	0	1	690	2155	2161	2544	2540	60	12	0	1
691	2543	2526	2947	2972	60	12	0	1	692	2526	2527	2942	2947	60	12	0	1
693	2527	2540	2946	2942	60	12	0	1	694	2540	2544	2953	2946	60	12	0	1
695	2972	2947	3370	3378	60	12	0	1	696	2947	2942	3355	3370	60	12	0	1
697	2942	2946	3354	3355	60	12	0	1	698	2946	2953	3356	3354	60	12	0	1
699	6340	6339	5850	5928	60	12	0	1	700	5928	5850	5263	5346	60	12	0	1
701	5346	5263	4566	4661	60	12	0	1	702	4661	4566	4134	4256	60	12	0	1
703	4256	4134	3725	3872	60	12	0	1	704	3872	3725	3344	3483	60	12	0	1
705	3483	3344	2992	3113	60	12	0	1	706	3113	2992	2631	2744	60	12	0	1
707	2744	2631	2273	2383	60	12	0	1	708	2383	2273	1912	2028	60	12	0	1
709	2028	1912	1546	1660	60	12	0	1	710	1660	1546	1171	1294	60	12	0	1
711	1294	1171	797	911	60	12	0	1	712	911	797	40	41	60	12	0	1
713	6339	6337	5802	5850	60	12	0	1	714	5850	5802	5203	5263	60	12	0	1
715	5263	5203	4502	4566	60	12	0	1	716	4566	4502	4046	4134	60	12	0	1
717	4134	4046	3583	3725	60	12	0	1	718	3725	3583	3233	3344	60	12	0	1
719	3344	3233	2887	2992	60	12	0	1	720	2992	2887	2530	2631	60	12	0	1
721	2631	2530	2175	2273	60	12	0	1	722	2273	2175	1813	1912	60	12	0	1
723	1912	1813	1450	1546	60	12	0	1	724	1546	1450	1052	1171	60	12	0	1
725	1171	1052	689	797	60	12	0	1	726	797	689	39	40	60	12	0	1
727	6337	6336	5763	5802	60	12	0	1	728	5802	5763	5151	5203	60	12	0	1
729	5203	5151	4463	4502	60	12	0	1	730	4502	4463	4005	4046	60	12	0	1
731	4046	4005	3582	3583	60	12	0	1	732	6336	6335	5733	5763	60	12	0	1
733	5763	5733	5061	5151	60	12	0	1	734	5151	5061	4432	4463	60	12	0	1
735	4463	4432	3984	4005	60	12	0	1	736	4005	3984	3581	3582	60	12	0	1
737	6335	6334	5715	5733	60	12	0	1	738	5733	5715	5043	5061	60	12	0	1
739	5061	5043	4418	4432	60	12	0	1	740	4432	4418	3976	3984	60	12	0	1
741	3984	3976	3580	3581	60	12	0	1	742	6334	6333	5703	5715	60	12	0	2
743	5715	5703	5034	5043	60	12	0	2	744	5043	5034	4409	4418	60	12	0	2
745	4418	4409	3966	3976	60	12	0	2	746	3976	3966	3579	3580	60	12	0	2
747	3579	3231	3232	3580	60	12	0	2	748	3231	2885	2886	3232	60	12	0	2
749	2885	2528	2529	2886	60	12	0	2	750	2528	2173	2174	2529	60	12	0	2
751	2173	1811	1812	2174	60	12	0	2	752	1811	1448	1449	1812	60	12	0	2
753	1448	1048	1049	1449	60	12	0	2	754	1048	685	686	1049	60	12	0	2
755	685	35	36	686	60	12	0	2	756	36	37	687	686	60	12	0	1
757	686	687	1050	1049	60	12	0	1	758	37	38	688	687	60	12	0	1
759	687	688	1051	1050	60	12	0	1	760	38	39	689	688	60	12	0	1
761	688	689	1052	1051	60	12	0	1	762	69	80	738	696	140	28	0	1
763	696	738	1115	1059	140	28	0	1	764	1059	1115	1475	1454	140	28	0	1
765	1454	1475	1827	1817	140	28	0	1	766	1817	1827	2182	2179	140	28	0	1
767	2179	2182	2539	2534	140	28	0	1	768	2534	2539	2894	2891	140	28	0	1
769	2891	2894	3248	3237	140	28	0	1	770	3237	3248	3612	3590	140	28	0	1
771	3590	3612	3990	3973	140	28	0	1	772	3973	3990	4419	4416	140	28	0	1
773	4416	4419	5042	5041	140	28	0	1	774	5041	5042	5711	5710	140	28	0	1
775	5710	5711	6418	6396	140	28	0	1	776	80	82	749	738	140	28	0	1
777	738	749	1134	1115	140	28	0	1	778	1115	1134	1490	1475	140	28	0	1
779	1475	1490	1832	1827	140	28	0	1	780	1827	1832	2184	2182	140	28	0	1
781	2182	2184	2541	2539	140	28	0	1	782	2539	2541	2897	2894	140	28	0	1
783	2894	2897	3254	3248	140	28	0	1	784	3248	3254	3617	3612	140	28	0	1
785	3612	3617	4006	3990	140	28	0	1	786	3990	4006	4429	4419	140	28	0	1
787	4419	4429	5044	5042	140	28	0	1	788	5042	5044	5714	5711	140	28	0	1
789	5711	5714	6422	6418	140	28	0	1	790	82	84	753	749	140	28	0	1
791	749	753	1140	1134	140	28	0	1	792	1134	1140	1498	1490	140	28	0	1
793	1490	1498	1841	1832	140	28	0	1	794	1832	1841	2191	2184	140	28	0	1
795	2184	2191	2546	2541	140	28	0	1	796	2541	2546	2900	2897	140	28	0	1
797	2897	2900	3258	3254	140	28	0	1	798	3254	3258	3624	3617	140	28	0	1
799	3617	3624	4015	4006	140	28	0	1	800	4006	4015	4434	4429	140	28	0	1
801	4429	4434	5050	5044	140	28	0	1	802	5044	5050	5716	5714	140	28	0	1
803	5714	5716	6428	6422	140	28	0	1	804	84	87	756	753	140	28	0	1
805	753	756	1142	1140	140	28	0	1	806	1140	1142	1500	1498	140	28	0	1
807	1498	1500	1844	1841	140	28	0	1	808	1841	1844	2197	2191	140	28	0	1
809	2191	2197	2548	2546	140	28	0	1	810	2546	2548	2904	2900	140	28	0	1
811	2900	2904	3263	3258	140	28	0	1	812	3258	3263	3627	3624	140	28	0	1
813	3624	3627	4022	4015	140	28	0	1	814	4015	4022	4441	4434	140	28	0	1
815	4434	4441	5054	5050	140	28	0	1	816	5050	5054	5721	5716	140	28	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
817	5716	5721	6430	6428	140	28	0	1
819	756	758	1145	1142	140	28	0	1
821	1500	1503	1845	1844	140	28	0	1
823	2197	2202	2552	2548	140	28	0	1
825	2904	2907	3266	3263	140	28	0	1
827	3627	3628	4026	4022	140	28	0	1
829	4441	4452	5059	5054	140	28	0	1
831	5721	5727	6434	6430	140	28	0	1
833	758	761	1146	1145	140	28	0	1
835	1503	1506	1852	1845	140	28	0	1
837	2202	2206	2556	2552	140	28	0	1
839	2907	2910	3269	3266	140	28	0	1
841	3628	3636	4034	4026	140	28	0	1
843	4452	4457	5064	5059	140	28	0	1
845	5727	5731	6438	6434	140	28	0	1
847	761	763	1147	1146	140	28	0	1
849	1506	1508	1857	1852	140	28	0	1
851	2206	2216	2562	2556	140	28	0	1
853	2910	2911	3271	3269	140	28	0	1
855	3636	3643	4039	4034	140	28	0	1
857	4457	4461	5068	5064	140	28	0	1
859	5731	5735	6442	6438	140	28	0	1
861	763	768	1151	1147	140	28	0	1
863	1508	1511	1865	1857	140	28	0	1
865	2216	2218	2566	2562	140	28	0	1
867	2911	2914	3277	3271	140	28	0	1
869	3643	3652	4047	4039	140	28	0	1
871	4461	4468	5080	5068	140	28	0	1
873	5735	5739	6450	6442	140	28	0	1
875	768	773	1156	1151	140	28	0	1
877	1511	1514	1869	1865	140	28	0	1
879	2218	2222	2572	2566	140	28	0	1
881	2914	2920	3281	3277	140	28	0	1
883	3652	3659	4051	4047	140	28	0	1
885	4468	4471	5113	5080	140	28	0	1
887	5739	5743	6454	6450	140	28	0	1
889	773	778	1159	1156	140	28	0	1
891	1514	1516	1876	1869	140	28	0	1
893	2222	2227	2585	2572	140	28	0	1
895	2920	2925	3286	3281	140	28	0	1
897	3659	3667	4057	4051	140	28	0	1
899	4471	4480	5142	5113	140	28	0	1
901	5743	5753	6458	6454	140	28	0	1
903	778	780	1161	1159	140	28	0	1
905	1516	1518	1881	1876	140	28	0	1
907	2227	2230	2588	2585	140	28	0	1
909	2925	2934	3291	3286	140	28	0	1
911	3667	3673	4060	4057	140	28	0	1
913	4480	4484	5154	5142	140	28	0	1
915	5753	5759	6462	6458	140	28	0	1
917	780	782	1163	1161	140	28	0	1
919	1518	1524	1885	1881	140	28	0	1
921	2230	2233	2592	2588	140	28	0	1
923	2934	2939	3304	3291	140	28	0	1
925	3673	3677	4065	4060	140	28	0	1
927	4484	4488	5164	5154	140	28	0	1
929	5759	5762	6466	6462	140	28	0	1
931	782	784	1165	1163	140	28	0	1
933	1524	1525	1887	1885	140	28	0	1
935	2233	2235	2595	2592	140	28	0	1
937	2939	2944	3310	3304	140	28	0	1
939	3677	3682	4072	4065	140	28	0	1
941	4488	4492	5169	5164	140	28	0	1
943	5762	5767	6470	6466	140	28	0	1
945	784	789	1166	1165	140	28	0	1
947	1525	1529	1891	1887	140	28	0	1
949	2235	2243	2600	2595	140	28	0	1
951	2944	2952	3313	3310	140	28	0	1
953	3682	3689	4078	4072	140	28	0	1
955	4492	4497	5173	5169	140	28	0	1
957	5767	5769	6474	6470	140	28	0	1
959	789	793	1168	1166	140	28	0	1
961	1529	1534	1895	1891	140	28	0	1
963	2243	2247	2605	2600	140	28	0	1
965	2952	2959	3320	3313	140	28	0	1
967	3689	3697	4083	4078	140	28	0	1
969	4497	4499	5177	5173	140	28	0	1
971	5769	5772	6481	6474	140	28	0	1
973	793	799	1175	1168	140	28	0	1
975	1534	1535	1896	1895	140	28	0	1
977	2247	2250	2608	2605	140	28	0	1
979	2959	2965	3325	3320	140	28	0	1
981	3697	3700	4089	4083	140	28	0	1
983	4499	4506	5181	5177	140	28	0	1
985	5772	5774	6485	6481	140	28	0	1
987	799	801	1177	1175	140	28	0	1
989	1535	1537	1899	1896	140	28	0	1
991	2250	2258	2609	2608	140	28	0	1
993	2965	2970	3327	3325	140	28	0	1
995	3700	3706	4093	4089	140	28	0	1
997	4506	4512	5186	5181	140	28	0	1
999	5774	5778	6489	6485	140	28	0	1
1001	801	804	1184	1177	140	28	0	1
1003	1537	1544	1903	1899	140	28	0	1
1005	2258	2260	2621	2609	140	28	0	1
1007	2970	2974	3333	3327	140	28	0	1
1009	3706	3712	4099	4093	140	28	0	1
1011	4512	4519	5196	5186	140	28	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
818	87	89	758	756	140	28	0	1
820	1142	1145	1503	1500	140	28	0	1
822	1844	1845	2202	2197	140	28	0	1
824	2548	2552	2907	2904	140	28	0	1
826	3263	3266	3628	3627	140	28	0	1
828	4022	4026	4452	4441	140	28	0	1
830	5054	5059	5727	5721	140	28	0	1
832	89	91	761	758	140	28	0	1
834	1145	1146	1506	1503	140	28	0	1
836	1845	1852	2206	2202	140	28	0	1
838	2552	2556	2910	2907	140	28	0	1
840	3266	3269	3636	3628	140	28	0	1
842	4026	4034	4457	4452	140	28	0	1
844	5059	5064	5731	5727	140	28	0	1
846	91	93	763	761	140	28	0	1
848	1146	1147	1508	1506	140	28	0	1
850	1852	1857	2216	2206	140	28	0	1
852	2556	2562	2911	2910	140	28	0	1
854	3269	3271	3643	3636	140	28	0	1
856	4034	4039	4461	4457	140	28	0	1
858	5064	5068	5735	5731	140	28	0	1
860	93	98	768	763	140	28	0	1
862	1147	1151	1511	1508	140	28	0	1
864	1857	1865	2218	2216	140	28	0	1
866	2562	2566	2914	2911	140	28	0	1
868	3271	3277	3652	3643	140	28	0	1
870	4039	4047	4468	4461	140	28	0	1
872	5068	5080	5739	5735	140	28	0	1
874	98	100	773	768	140	28	0	1
876	1151	1156	1514	1511	140	28	0	1
878	1865	1869	2222	2218	140	28	0	1
880	2566	2572	2920	2914	140	28	0	1
882	3277	3281	3659	3652	140	28	0	1
884	4047	4051	4471	4468	140	28	0	1
886	5080	5113	5743	5739	140	28	0	1
888	100	102	778	773	140	28	0	1
890	1156	1159	1516	1514	140	28	0	1
892	1869	1876	2227	2222	140	28	0	1
894	2572	2585	2925	2920	140	28	0	1
896	3281	3286	3667	3659	140	28	0	1
898	4051	4057	4480	4471	140	28	0	1
900	5113	5142	5753	5743	140	28	0	1
902	102	104	780	778	140	28	0	1
904	1159	1161	1518	1516	140	28	0	1
906	1876	1881	2230	2227	140	28	0	1
908	2585	2588	2934	2925	140	28	0	1
910	3286	3291	3673	3667	140	28	0	1
912	4057	4060	4484	4480	140	28	0	1
914	5142	5154	5759	5753	140	28	0	1
916	104	107	782	780	140	28	0	1
918	1161	1163	1524	1518	140	28	0	1
920	1881	1885	2233	2230	140	28	0	1
922	2588	2592	2939	2934	140	28	0	1
924	3291	3304	3677	3673	140	28	0	1
926	4060	4065	4488	4484	140	28	0	1
928	5154	5164	5762	5759	140	28	0	1
930	107	109	784	782	140	28	0	1
932	1163	1165	1525	1524	140	28	0	1
934	1885	1887	2235	2233	140	28	0	1
936	2592	2595	2944	2939	140	28	0	1
938	3304	3310	3682	3677	140	28	0	1
940	4065	4072	4492	4488	140	28	0	1
942	5164	5169	5767	5762	140	28	0	1
944	109	111	789	784	140	28	0	1
946	1165	1166	1529	1525	140	28	0	1
948	1887	1891	2243	2235	140	28	0	1
950	2595	2600	2952	2944	140	28	0	1
952	3310	3313	3689	3682	140	28	0	1
954	4072	4078	4497	4492	140	28	0	1
956	5169	5173	5769	5767	140	28	0	1
958	111	116	793	789	140	28	0	1
960	1166	1168	1534	1529	140	28	0	1
962	1891	1895	2247	2243	140	28	0	1
964	2600	2605	2959	2952	140	28	0	1
966	3313	3320	3697	3689	140	28	0	1
968	4078	4083	4499	4497	140	28	0	1
970	5173	5177	5772	5769	140	28	0	1
972	116	118	799	793	140	28	0	1
974	1168	1175	1535	1534	140	28	0	1
976	1895	1896	2250	2247	140	28	0	1
978	2605	2608	2965	2959	140	28	0	1
980	3320	3325	3700	3697	140	28	0	1
982	4083	4089	4506	4499	140	28	0	1
984	5177	5181	5774	5772	140	28	0	1
986	118	120	801	799	140	28	0	1
988	1175	1177	1537	1535	140	28	0	1
990	1896	1899	2258	2250	140	28	0	1
992	2608	2609	2970	2965	140	28	0	1
994	3325	3327	3706	3700	140	28	0	1
996	4089	4093	4512	4506	140	28	0	1
998	5181	5186	5778	5774	140	28	0	1
1000	120	122	804	801	140	28	0	1
1002	1177	1184	1544	1537	140	28	0	1
1004	1899	1903	2260	2258	140	28	0	1
1006	2609	2621	2974	2970	140	28	0	1
1008	3327	3333	3712	3706	140	28	0	1
1010	4093	4099	4519	4512	140	28	0	1
1012	5186	5196	5782	5778	140	28	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
								Ind.									Ind.
1013	5778	5782	6495	6489	140	28	0	1	1014	122	125	806	804	140	28	0	1
1015	804	806	1189	1184	140	28	0	1	1016	1184	1189	1545	1544	140	28	0	1
1017	1544	1545	1906	1903	140	28	0	1	1018	1903	1906	2262	2260	140	28	0	1
1019	2260	2262	2623	2621	140	28	0	1	1020	2621	2623	2978	2974	140	28	0	1
1021	2974	2978	3334	3333	140	28	0	1	1022	3333	3334	3716	3712	140	28	0	1
1023	3712	3716	4105	4099	140	28	0	1	1024	4099	4105	4526	4519	140	28	0	1
1025	4519	4526	5205	5196	140	28	0	1	1026	5196	5205	5789	5782	140	28	0	1
1027	5782	5789	6499	6495	140	28	0	1	1028	125	127	808	806	140	28	0	1
1029	806	808	1193	1189	140	28	0	1	1030	1189	1193	1551	1545	140	28	0	1
1031	1545	1551	1908	1906	140	28	0	1	1032	1906	1908	2269	2262	140	28	0	1
1033	2262	2269	2626	2623	140	28	0	1	1034	2623	2626	2982	2978	140	28	0	1
1035	2978	2982	3340	3334	140	28	0	1	1036	3334	3340	3719	3716	140	28	0	1
1037	3716	3719	4108	4105	140	28	0	1	1038	4105	4108	4532	4526	140	28	0	1
1039	4526	4532	5210	5205	140	28	0	1	1040	5205	5210	5799	5789	140	28	0	1
1041	5789	5799	6503	6499	140	28	0	1	1042	127	129	815	808	140	28	0	1
1043	808	815	1195	1193	140	28	0	1	1044	1193	1195	1554	1551	140	28	0	1
1045	1551	1554	1911	1908	140	28	0	1	1046	1908	1911	2272	2269	140	28	0	1
1047	2269	2272	2627	2626	140	28	0	1	1048	2626	2627	2984	2982	140	28	0	1
1049	2982	2984	3343	3340	140	28	0	1	1050	3340	3343	3726	3719	140	28	0	1
1051	3719	3726	4114	4108	140	28	0	1	1052	4108	4114	4536	4532	140	28	0	1
1053	4532	4536	5214	5210	140	28	0	1	1054	5210	5214	5804	5799	140	28	0	1
1055	5799	5804	6507	6503	140	28	0	1	1056	129	140	818	815	140	28	0	1
1057	815	818	1200	1195	140	28	0	1	1058	1195	1200	1558	1554	140	28	0	1
1059	1554	1558	1915	1911	140	28	0	1	1060	1911	1915	2275	2272	140	28	0	1
1061	2272	2275	2632	2627	140	28	0	1	1062	2627	2632	2993	2984	140	28	0	1
1063	2984	2993	3348	3343	140	28	0	1	1064	3343	3348	3729	3726	140	28	0	1
1065	3726	3729	4119	4114	140	28	0	1	1066	4114	4119	4542	4536	140	28	0	1
1067	4536	4542	5221	5214	140	28	0	1	1068	5214	5221	5808	5804	140	28	0	1
1069	5804	5808	6525	6507	140	28	0	1	1070	140	142	820	818	140	28	0	1
1071	818	820	1204	1200	140	28	0	1	1072	1200	1204	1559	1558	140	28	0	1
1073	1558	1559	1919	1915	140	28	0	1	1074	1915	1919	2278	2275	140	28	0	1
1075	2275	2278	2641	2632	140	28	0	1	1076	2632	2641	2996	2993	140	28	0	1
1077	2993	2996	3350	3348	140	28	0	1	1078	3348	3350	3732	3729	140	28	0	1
1079	3729	3732	4123	4119	140	28	0	1	1080	4119	4123	4543	4542	140	28	0	1
1081	4542	4543	5225	5221	140	28	0	1	1082	5221	5225	5812	5808	140	28	0	1
1083	5808	5812	6527	6525	140	28	0	1	1084	142	144	823	820	140	28	0	1
1085	820	823	1205	1204	140	28	0	1	1086	1204	1205	1563	1559	140	28	0	1
1087	1559	1563	1922	1919	140	28	0	1	1088	1919	1922	2281	2278	140	28	0	1
1089	2278	2281	2645	2641	140	28	0	1	1090	2641	2645	2999	2996	140	28	0	1
1091	2996	2999	3352	3350	140	28	0	1	1092	3350	3352	3734	3732	140	28	0	1
1093	3732	3734	4126	4123	140	28	0	1	1094	4123	4126	4546	4543	140	28	0	1
1095	4543	4546	5231	5225	140	28	0	1	1096	5225	5231	5814	5812	140	28	0	1
1097	5812	5814	6531	6527	140	28	0	1	1098	144	146	827	823	140	28	0	1
1099	823	827	1209	1205	140	28	0	1	1100	1205	1209	1566	1563	140	28	0	1
1101	1563	1566	1925	1922	140	28	0	1	1102	1922	1925	2287	2281	140	28	0	1
1103	2281	2287	2649	2645	140	28	0	1	1104	2645	2649	3002	2999	140	28	0	1
1105	2999	3002	3367	3352	140	28	0	1	1106	3352	3367	3736	3734	140	28	0	1
1107	3734	3736	4133	4126	140	28	0	1	1108	4126	4133	4551	4546	140	28	0	1
1109	4546	4551	5236	5231	140	28	0	1	1110	5231	5236	5821	5814	140	28	0	1
1111	5814	5821	6535	6531	140	28	0	1	1112	146	152	833	827	140	28	0	1
1113	827	833	1215	1209	140	28	0	1	1114	1209	1215	1568	1566	140	28	0	1
1115	1566	1568	1930	1925	140	28	0	1	1116	1925	1930	2290	2287	140	28	0	1
1117	2287	2290	2651	2649	140	28	0	1	1118	2649	2651	3006	3002	140	28	0	1
1119	3002	3006	3374	3367	140	28	0	1	1120	3367	3374	3742	3736	140	28	0	1
1121	3736	3742	4136	4133	140	28	0	1	1122	4133	4136	4554	4551	140	28	0	1
1123	4551	4554	5238	5236	140	28	0	1	1124	5236	5238	5824	5821	140	28	0	1
1125	5821	5824	6541	6535	140	28	0	1	1126	152	154	836	833	140	28	0	1
1127	833	836	1219	1215	140	28	0	1	1128	1215	1219	1575	1568	140	28	0	1
1129	1568	1575	1933	1930	140	28	0	1	1130	1930	1933	2293	2290	140	28	0	1
1131	2290	2293	2656	2651	140	28	0	1	1132	2651	2656	3009	3006	140	28	0	1
1133	3006	3009	3376	3374	140	28	0	1	1134	3374	3376	3746	3742	140	28	0	1
1135	3742	3746	4143	4136	140	28	0	1	1136	4136	4143	4560	4554	140	28	0	1
1137	4554	4560	5245	5238	140	28	0	1	1138	5238	5245	5829	5824	140	28	0	1
1139	5824	5829	6545	6541	140	28	0	1	1140	154	156	841	836	140	28	0	1
1141	836	841	1221	1219	140	28	0	1	1142	1219	1221	1577	1575	140	28	0	1
1143	1575	1577	1934	1933	140	28	0	1	1144	1933	1934	2297	2293	140	28	0	1
1145	2293	2297	2660	2656	140	28	0	1	1146	2656	2660	3023	3009	140	28	0	1
1147	3009	3023	3380	3376	140	28	0	1	1148	3376	3380	3756	3746	140	28	0	1
1149	3746	3756	4145	4143	140	28	0	1	1150	4143	4145	4562	4560	140	28	0	1
1151	4560	4562	5248	5245	140	28	0	1	1152	5245	5248	5833	5829	140	28	0	1
1153	5829	5833	6549	6545	140	28	0	1	1154	156	162	844	841	140	28	0	1
1155	841	844	1227	1221	140	28	0	1	1156	1221	1227	1581	1577	140	28	0	1
1157	1577	1581	1941	1934	140	28	0	1	1158	1934	1941	2300	2297	140	28	0	1
1159	2297	2300	2664	2660	140	28	0	1	1160	2660	2664	3025	3023	140	28	0	1
1161	3023	3025	3383	3380	140	28	0	1	1162	3380	3383	3760	3756	140	28	0	1
1163	3756	3760	4147	4145	140	28	0	1	1164	4145	4147	4568	4562	140	28	0	1
1165	4562	4568	5256	5248	140	28	0	1	1166	5248	5256	5838	5833	140	28	0	1
1167	5833	5838	6557	6549	140	28	0	1	1168	162	166	850	844	140	28	0	1
1169	844	850	1232	1227	140	28	0	1	1170	1227	1232	1588	1581	140	28	0	1
1171	1581	1588	1947	1941	140	28	0	1	1172	1941	1947	2304	2300	140	28	0	1
1173	2300	2304	2670	2664	140	28	0	1	1174	2664	2670	3030	3025	140	28	0	1
1175	3025	3030	3392	3383	140	28	0	1	1176	3383	3392	3767	3760	140	28	0	1
1177	3760	3767	4161	4147	140	28	0	1	1178	4147	4161	4575	4568	140	28	0	1
1179	4568	4575	5262	5256	140	28	0	1	1180	5256	5262	5843	5838	140	28	0	1
1181	5838	5843	6561	6557	140	28	0	1	1182	166	168	857	850	140	28	0	1
1183	850	857	1234	1232	140	28	0	1	1184	1232	1234	1595	1588	140	28	0	1
1185	1588	1595	1952	1947	140	28	0	1	1186	1947	1952	2308	2304	140	28	0	1
1187	2304	2308	2676	2670	140	28	0	1	1188	2670	2676	3035	3030	140	28	0	1
1189	3030	3035	3401	3392	140	28	0	1	1190	3392	3401	3772	3767	140	28	0	1
1191	3767	3772	4164	4161	140	28	0	1	1192	4161	4164	4582	4575	140	28	0	1
1193	4575	4582	5267	5262	140	28	0	1	1194	5262	5267	5848	5843	140	28	0	1
1195	5843	5848	6565	6561	140	28	0	1	1196	168	170	861	857	140	28	0	1
1197	857	861	1238	1234	140	28	0	1	1198	1234	1238	1597	1595	140	28	0	1
1199	1595	1597	1956	1952	140	28	0	1	1200	1952	1956	2319	2308	140	28	0	1
1201	2308	2319	2677	2676	140	28	0	1	1202	2676	2677	3041	3035	140	28	0	1
1203	3035	3041	3407	3401	140	28	0	1	1204	3401	3407	3783	3772	140	28	0	1
1205	3772	3783	4171	4164	140	28	0	1	1206	4164	4171	4584	4582	140	28	0	1
1207	4582	4584	5268	5267	140	28	0	1	1208	5267	5268	5852	5848	140	28	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
								Ind.									Ind.
1209	5848	5852	6569	6565	140	28	0	1	1210	170	176	864	861	140	28	0	1
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1213	1597	1602	1959	1956	140	28	0	1	1214	1956	1959	2324	2319	140	28	0	1
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1219	3783	3788	4179	4171	140	28	0	1	1220	4171	4179	4593	4584	140	28	0	1
1221	4584	4593	5273	5268	140	28	0	1	1222	5268	5273	5856	5852	140	28	0	1
1223	5852	5856	6575	6569	140	28	0	1	1224	176	178	868	864	140	28	0	1
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1227	1602	1610	1963	1959	140	28	0	1	1228	1959	1963	2327	2324	140	28	0	1
1229	2324	2327	2686	2682	140	28	0	1	1230	2682	2686	3049	3043	140	28	0	1
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1235	4593	4601	5282	5273	140	28	0	1	1236	5273	5282	5863	5856	140	28	0	1
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1391	1399	1012	1037	1425	50	10	0	1	1392	227	225	1037	1012	50	10	0	1
1393	225	224	847	1037	50	10	0	1	1394	224	223	762	847	50	10	0	1
1395	223	222	746	762	50	10	0	1	1396	222	221	741	746	50	10	0	1
1397	221	220	739	741	50	10	0	1	1398	220	219	736	739	50	10	0	1
1399	219	218	737	736	50	10	0	1	1400	218	217	740	737	50	10	0	1
1401	217	216	734	740	50	10	0	1	1402	216	215	735	734	50	10	0	1
1403	215	214	742	735	50	10	0	1	1404	214	213	774	742	50	10	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
1405	213	212	800	774	50	10	0	1	1406	212	211	831	800	50	10	0	1
1407	211	210	830	831	50	10	0	1	1408	210	209	1022	830	50	10	0	1
1409	208	920	1022	209	50	10	0	1	1410	920	1303	1371	1022	50	10	0	1
1411	1303	1669	1723	1371	50	10	0	1	1412	1669	2037	2086	1723	50	10	0	1
1413	2037	2392	2364	2086	50	10	0	1	1414	2392	2753	2725	2364	50	10	0	1
1415	2753	3122	3091	2725	50	10	0	1	1416	3122	3492	3462	3091	50	10	0	1
1417	3492	3882	3846	3462	50	10	0	1	1418	3882	4266	4220	3846	50	10	0	1
1419	4266	4671	4603	4220	50	10	0	1	1420	4671	5356	5216	4603	50	10	0	1
1421	5356	5938	5723	5216	50	10	0	1	1422	6623	6624	5723	5938	50	10	0	1
1423	6624	6625	6106	5723	50	10	0	1	1424	6220	6151	5571	5579	50	10	0	1
1425	5579	5571	4992	4994	50	10	0	1	1426	4994	4992	4404	4417	50	10	0	1
1427	4417	4404	4059	4071	50	10	0	1	1428	4071	4059	3704	3715	50	10	0	1
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1479	1897	1883	1505	1515	50	10	0	1	1480	1883	1878	1502	1505	50	10	0	1
1481	1515	1505	1144	1160	50	10	0	1	1482	1505	1502	1130	1144	50	10	0	1
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1491	1727	1735	1420	1408	50	10	0	1	1492	1408	1371	1723	1727	50	10	0	1
1493	1131	830	1022	1136	50	10	0	1	1494	1022	1371	1408	1136	50	10	0	1
1495	1408	1420	1131	1136	50	10	0	1	1496	1226	831	830	1131	50	10	0	1
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1501	2086	2364	2358	2085	50	10	0	1	1502	1727	2085	2003	1735	50	10	0	1
1503	2085	2358	2347	2003	50	10	0	1	1504	1735	2003	1982	1733	50	10	0	1
1505	2003	2347	2333	1982	50	10	0	1	1506	1733	1982	1946	1600	50	10	0	1
1507	1982	2333	2303	1946	50	10	0	1	1508	1600	1946	1917	1543	50	10	0	1
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1511	2725	3091	3082	2714	50	10	0	1	1512	3091	3462	3450	3082	50	10	0	1
1513	2358	2714	2702	2347	50	10	0	1	1514	2714	3082	3066	2702	50	10	0	1
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1523	2672	3038	3021	2655	50	10	0	1	1524	3038	3403	3379	3021	50	10	0	1
1525	2286	2655	2642	2270	50	10	0	1	1526	2655	3021	3001	2642	50	10	0	1
1527	3021	3379	3359	3001	50	10	0	1	1528	736	737	1119	1116	50	10	0	1
1529	737	740	1123	1119	50	10	0	1	1530	740	734	1124	1123	50	10	0	1
1531	734	735	1130	1124	50	10	0	1	1532	1116	1119	1489	1484	50	10	0	1
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1545	2228	2232	2599	2596	50	10	0	1	1546	2232	2234	2606	2599	50	10	0	1
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1557	1493	1484	1849	1853	50	10	0	1	1558	1846	1853	2224	2220	50	10	0	1
1559	1853	1849	2226	2224	50	10	0	1	1560	2220	2224	2591	2589	50	10	0	1
1561	2224	2226	2594	2591	50	10	0	1	1562	2589	2591	2943	2940	50	10	0	1
1563	2591	2594	2949	2943	50	10	0	1	1564	2220	2589	2587	2217	50	10	0	1
1565	2589	2940	2941	2587	50	10	0	1	1566	2217	2587	2584	2208	50	10	0	1
1567	2587	2941	2945	2584	50	10	0	1	1568	2208	2584	2574	2198	50	10	0	1
1569	2584	2945	2951	2574	50	10	0	1	1570	2198	2574	2565	2181	50	10	0	1
1571	2574	2951	2957	2565	50	10	0	1	1572	2181	2565	2559	2171	50	10	0	1
1573	2565	2957	2960	2559	50	10	0	1	1574	2181	2171	1798	1807	50	10	0	1
1575	1807	1829	2198	2181	50	10	0	1	1576	1143	1487	1456	1186	50	10	0	1
1577	1456	1425	1037	1186	50	10	0	1	1578	1037	847	1143	1186	50	10	0	1
1579	1807	1798	1425	1456	50	10	0	1	1580	1456	1487	1829	1807	50	10	0	1
1581	847	762	1133	1143	50	10	0	1	1582	762	746	1127	1133	50	10	0	1
1583	746	741	1121	1127	50	10	0	1	1584	1143	1133	1488	1487	50	10	0	1
1585	1133	1127	1496	1488	50	10	0	1	1586	1127	1121	1486	1496	50	10	0	1
1587	1487	1488	1842	1829	50	10	0	1	1588	1488	1496	1847	1842	50	10	0	1
1589	1496	1486	1846	1847	50	10	0	1	1590	1829	1842	2208	2198	50	10	0	1
1591	1842	1847	2217	2208	50	10	0	1	1592	1847	1846	2220	2217	50	10	0	1
1593	3784	3351	3347	3768	50	10	0	1	1594	3351	2960	2957	3347	50	10	0	1
1595	3768	3347	3331	3717	50	10	0	1	1596	3347	2957	2951	3331	50	10	0	1
1597	3717	3331	3316	3679	50	10	0	1	1598	3331	2951	2945	3316	50	10	0	1
1599	3679	3316	3305	3656	50	10	0	1	1600	3316	2945	2941	3305	50	10	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
1601	3656	3305	3293	3647	50	10	0	1
1603	3656	3647	3982	3992	50	10	0	1
1605	4366	4367	4968	4966	50	10	0	1
1607	5531	5537	6129	6114	50	10	0	1
1609	5528	4962	4966	5531	50	10	0	1
1611	5528	6109	6089	5512	50	10	0	1
1613	5512	5404	4989	5005	50	10	0	1
1615	5404	4728	4719	4989	50	10	0	1
1617	4324	4316	3784	3768	50	10	0	1
1619	4719	4728	4316	4324	50	10	0	1
1621	4938	4719	4324	4387	50	10	0	1
1623	3717	3679	4025	4096	50	10	0	1
1625	4096	4025	4369	4370	50	10	0	1
1627	4370	4369	4962	4951	50	10	0	1
1629	2940	2943	3294	3293	50	10	0	1
1631	2949	2956	3315	3307	50	10	0	1
1633	2964	2971	3328	3324	50	10	0	1
1635	3293	3294	3649	3647	50	10	0	1
1637	3307	3315	3675	3662	50	10	0	1
1639	3324	3328	3694	3683	50	10	0	1
1641	3647	3649	3995	3982	50	10	0	1
1643	3662	3675	4027	4011	50	10	0	1
1645	3683	3694	4052	4041	50	10	0	1
1647	3982	3995	4372	4367	50	10	0	1
1649	4011	4027	4393	4384	50	10	0	1
1651	4041	4052	4401	4397	50	10	0	1
1653	4367	4372	4971	4968	50	10	0	1
1655	4384	4393	4973	4970	50	10	0	1
1657	4397	4401	4991	4982	50	10	0	1
1659	4968	4971	5544	5537	50	10	0	1
1661	4970	4973	5540	5542	50	10	0	1
1663	4982	4991	5549	5541	50	10	0	1
1665	5537	5544	6134	6129	50	10	0	1
1667	5542	5540	6111	6119	50	10	0	1
1669	5541	5549	6121	6115	50	10	0	1
1671	6907	6909	5836	5846	65	13	0	1
1673	5265	5251	4563	4579	65	13	0	1
1675	4158	4144	3737	3750	65	13	0	1
1677	3365	3349	2976	2989	65	13	0	1
1679	2616	2602	2223	2239	65	13	0	1
1681	1861	1831	1443	1472	65	13	0	1
1683	1066	1040	321	320	65	13	0	1
1685	5836	5828	5243	5251	65	13	0	1
1687	4563	4553	4130	4144	65	13	0	1
1689	3737	3731	3339	3349	65	13	0	1
1691	2976	2966	2590	2602	65	13	0	1
1693	2223	2203	1809	1831	65	13	0	1
1695	1443	1433	1035	1040	65	13	0	1
1697	6911	6913	5820	5828	65	13	0	1
1699	5243	5235	4545	4553	65	13	0	1
1701	4130	4122	3722	3731	65	13	0	1
1703	3339	3332	2948	2966	65	13	0	1
1705	2590	2569	2185	2203	65	13	0	1
1707	1809	1803	1427	1433	65	13	0	1
1709	1035	1031	323	322	65	13	0	1
1711	5820	5810	5223	5235	65	13	0	1
1713	4545	4541	4110	4122	65	13	0	1
1715	3722	3713	3321	3332	65	13	0	1
1717	2948	2933	2553	2569	65	13	0	1
1719	2185	2172	1800	1803	65	13	0	1
1721	1427	1422	1028	1031	65	13	0	1
1723	6915	6917	5803	5810	65	13	0	1
1725	5223	5212	4531	4541	65	13	0	1
1727	4110	4102	3701	3713	65	13	0	1
1729	3321	3308	2917	2933	65	13	0	1
1731	2553	2545	2168	2172	65	13	0	1
1733	1800	1797	1417	1422	65	13	0	1
1735	1028	1025	325	324	65	13	0	1
1737	5803	5787	5200	5212	65	13	0	1
1739	4531	4517	4090	4102	65	13	0	1
1741	3701	3688	3287	3308	65	13	0	1
1743	2917	2908	2537	2545	65	13	0	1
1745	2168	2164	1794	1797	65	13	0	1
1747	1417	1404	1023	1025	65	13	0	1
1749	6919	6921	5776	5787	65	13	0	1
1751	5200	5183	4505	4517	65	13	0	1
1753	4090	4079	3676	3688	65	13	0	1
1755	3287	3275	2901	2908	65	13	0	1
1757	2537	2524	2159	2164	65	13	0	1
1759	1794	1785	1401	1404	65	13	0	1
1761	1023	1016	327	326	65	13	0	1
1763	5776	5771	5174	5183	65	13	0	1
1765	4505	4494	4067	4079	65	13	0	1
1767	3676	3663	3267	3275	65	13	0	1
1769	2901	2895	2520	2524	65	13	0	1
1771	2159	2152	1780	1785	65	13	0	1
1773	1401	1395	1009	1016	65	13	0	1
1775	6923	6925	5765	5771	65	13	0	1
1777	5174	5165	4485	4494	65	13	0	1
1779	4067	4056	3646	3663	65	13	0	1
1781	3267	3259	2882	2895	65	13	0	1
1783	2520	2515	2147	2152	65	13	0	1
1785	1780	1774	1390	1395	65	13	0	1
1787	1009	1003	329	328	65	13	0	1
1789	5765	5755	5145	5165	65	13	0	1
1791	4485	4474	4042	4056	65	13	0	1
1793	3646	3629	3250	3259	65	13	0	1
1795	2882	2877	2509	2515	65	13	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
1602	3305	2941	2940	3293	50	10	0	1
1604	3992	3982	4367	4366	50	10	0	1
1606	4966	4968	5537	5531	50	10	0	1
1608	5531	6114	6109	5528	50	10	0	1
1610	5512	4951	4962	5528	50	10	0	1
1612	4719	4938	5005	4989	50	10	0	1
1614	4938	4951	5512	5005	50	10	0	1
1616	5512	6089	6008	5404	50	10	0	1
1618	3768	3717	4096	4324	50	10	0	1
1620	4370	4951	4938	4387	50	10	0	1
1622	4324	4096	4370	4387	50	10	0	1
1624	3679	3656	3992	4025	50	10	0	1
1626	4025	3992	4366	4369	50	10	0	1
1628	4369	4366	4966	4962	50	10	0	1
1630	2943	2949	3307	3294	50	10	0	1
1632	2956	2964	3324	3315	50	10	0	1
1634	2971	2977	3336	3328	50	10	0	1
1636	3294	3307	3662	3649	50	10	0	1
1638	3315	3324	3683	3675	50	10	0	1
1640	3328	3336	3704	3694	50	10	0	1
1642	3649	3662	4011	3995	50	10	0	1
1644	3675	3683	4041	4027	50	10	0	1
1646	3694	3704	4059	4052	50	10	0	1
1648	3995	4011	4384	4372	50	10	0	1
1650	4027	4041	4397	4393	50	10	0	1
1652	4052	4059	4404	4401	50	10	0	1
1654	4372	4384	4970	4971	50	10	0	1
1656	4393	4397	4982	4973	50	10	0	1
1658	4401	4404	4992	4991	50	10	0	1
1660	4971	4970	5542	5544	50	10	0	1
1662	4973	4982	5541	5540	50	10	0	1
1664	4991	4992	5571	5549	50	10	0	1
1666	5544	5542	6119	6134	50	10	0	1
1668	5540	5541	6115	6111	50	10	0	1
1670	5549	5571	6151	6121	50	10	0	1
1672	5846	5836	5251	5265	65	13	0	1
1674	4579	4563	4144	4158	65	13	0	1
1676	3750	3737	3349	3365	65	13	0	1
1678	2989	2976	2602	2616	65	13	0	1
1680	2239	2223	1831	1861	65	13	0	1
1682	1472	1443	1040	1066	65	13	0	1
1684	6909	6911	5828	5836	65	13	0	1
1686	5251	5243	4553	4563	65	13	0	1
1688	4144	4130	3731	3737	65	13	0	1
1690	3349	3339	2966	2976	65	13	0	1
1692	2602	2590	2203	2223	65	13	0	1
1694	1831	1809	1433	1443	65	13	0	1
1696	1040	1035	322	321	65	13	0	1
1698	5828	5820	5235	5243	65	13	0	1
1700	4553	4545	4122	4130	65	13	0	1
1702	3731	3722	3332	3339	65	13	0	1
1704	2966	2948	2569	2590	65	13	0	1
1706	2203	2185	1803	1809	65	13	0	1
1708	1433	1427	1031	1035	65	13	0	1
1710	6913	6915	5810	5820	65	13	0	1
1712	5235	5223	4541	4545	65	13	0	1
1714	4122	4110	3713	3722	65	13	0	1
1716	3332	3321	2933	2948	65	13	0	1
1718	2569	2553	2172	2185	65	13	0	1
1720	1803	1800	1422	1427	65	13	0	1
1722	1031	1028	324	323	65	13	0	1
1724	5810	5803	5212	5223	65	13	0	1
1726	4541	4531	4102	4110	65	13	0	1
1728	3713	3701	3308	3321	65	13	0	1
1730	2933	2917	2545	2553	65	13	0	1
1732	2172	2168	1797	1800	65	13	0	1
1734	1422	1417	1025	1028	65	13	0	1
1736	6917	6919	5787	5803	65	13	0	1
1738	5212	5200	4517	4531	65	13	0	1
1740	4102	4090	3688	3701	65	13	0	1
1742	3308	3287	2908	2917	65	13	0	1
1744	2545	2537	2164	2168	65	13	0	1
1746	1797	1794	1404	1417	65	13	0	1
1748	1025	1023	326	325	65	13	0	1
1750	5787	5776	5183	5200	65	13	0	1
1752	4517	4505	4079	4090	65	13	0	1
1754	3688	3676	3275	3287	65	13	0	1
1756	2908	2901	2524	2537	65	13	0	1
1758	2164	2159	1785	1794	65	13	0	1
1760	1404	1401	1016	1023	65	13	0	1
1762	6921	6923	5771	5776	65	13	0	1
1764	5183	5174	4494	4505	65	13	0	1
1766	4079	4067	3663	3676	65	13	0	1
1768	3275	3267	2895	2901	65	13	0	1
1770	2524	2520	2152	2159	65	13	0	1
1772	1785	1780	1395	1401	65	13	0	1
1774	1016	1009	328	327	65	13	0	1
1776	5771	5765	5165	5174	65	13	0	1
1778	4494	4485	4056	4067	65	13	0	1
1780	3663	3646	3259	3267	65	13	0	1
1782	2895	2882	2515	2520	65	13	0	1
1784	2152	2147	1774	1780	65	13	0	1
1786	1395	1390	1003	1009	65	13	0	1
1788	6925	6926	5755	5765	65	13	0	1
1790	5165	5145	4474	4485	65	13	0	1
1792	4056	4042	3629	3646	65	13	0	1
1794	3259	3250	2877	2882	65	13	0	1
1796	2515	2509	2138	2147	65	13	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
1797	2147	2138	1764	1774	65	13	0	1
1799	1390	1384	995	1003	65	13	0	1
1801	6926	6927	5744	5755	65	13	0	1
1803	5145	5086	4458	4474	65	13	0	1
1805	4042	4017	3611	3629	65	13	0	1
1807	3250	3219	2851	2877	65	13	0	1
1809	2509	2481	2105	2138	65	13	0	1
1811	1764	1637	1230	1384	65	13	0	1
1813	995	837	331	330	65	13	0	1
1815	5744	5740	5067	5086	65	13	0	1
1817	4458	4445	3996	4017	65	13	0	1
1819	3611	3591	3204	3219	65	13	0	1
1821	2851	2830	2443	2481	65	13	0	1
1823	2105	1945	1517	1637	65	13	0	1
1825	1230	1067	697	837	65	13	0	1
1827	6928	6929	5745	5740	65	13	0	1
1829	5067	5071	4444	4445	65	13	0	1
1831	3996	3991	3592	3591	65	13	0	1
1833	5745	5761	5143	5071	65	13	0	1
1835	4444	4459	4002	3991	65	13	0	1
1837	6930	6931	5780	5761	65	13	0	1
1839	5143	5178	4487	4459	65	13	0	1
1841	4002	4028	3594	3593	65	13	0	1
1843	5780	5818	5228	5178	65	13	0	2
1845	4487	4538	4100	4028	65	13	0	2
1847	3594	3687	3314	3239	65	13	0	2
1849	2892	2955	2603	2535	65	13	0	2
1851	2180	2245	1889	1818	65	13	0	2
1853	1455	1522	1150	1070	65	13	0	2
1855	700	769	336	335	65	13	0	2
1857	5818	5861	5274	5228	65	13	0	2
1859	4538	4587	4163	4100	65	13	0	2
1861	3687	3763	3385	3314	65	13	0	2
1863	2955	3027	2667	2603	65	13	0	2
1865	2245	2302	1942	1889	65	13	0	2
1867	1522	1579	1220	1150	65	13	0	2
1869	769	838	337	336	65	13	0	2
1871	5861	5939	5357	5274	65	13	0	2
1873	4587	4672	4267	4163	65	13	0	2
1875	3763	3883	3493	3385	65	13	0	2
1877	3027	3123	2754	2667	65	13	0	2
1879	2302	2393	2038	1942	65	13	0	2
1881	1579	1670	1304	1220	65	13	0	2
1883	838	921	338	337	65	13	0	2
1885	700	699	1069	1070	65	13	0	1
1887	699	698	1068	1069	65	13	0	1
1889	698	697	1067	1068	65	13	0	1
1891	1707	2075	2089	1728	90	18	0	1
1893	2430	2791	2724	2366	90	18	0	1
1895	3160	3530	3459	3089	90	18	0	1
1897	3920	4304	4214	3838	90	18	0	1
1899	4709	5394	5217	4598	90	18	0	1
1901	7173	7174	5748	5976	90	18	0	1
1903	7175	7176	6117	6104	90	18	0	1
1905	7177	7178	6127	6130	90	18	0	1
1907	7179	7180	6144	6125	90	18	0	1
1909	7181	7182	6148	6140	90	18	0	1
1911	7183	7184	6146	6147	90	18	0	1
1913	7185	7186	6150	6149	90	18	0	1
1915	7187	7188	6122	6137	90	18	0	1
1917	7189	7190	6131	6126	90	18	0	1
1919	7191	7192	6143	6142	90	18	0	1
1921	7193	7194	6152	6141	90	18	0	1
1923	7195	7196	6154	6153	90	18	0	1
1925	7197	7198	6136	6138	90	18	0	1
1927	7199	7200	6105	6120	90	18	0	1
1929	7202	6068	5736	7201	90	18	0	1
1931	5496	4923	4720	5272	90	18	0	1
1933	4329	3940	3935	4322	90	18	0	1
1935	3554	3183	3181	3544	90	18	0	1
1937	2821	2459	2460	2817	90	18	0	1
1939	2095	1719	1739	2106	90	18	0	1
1941	1354	973	1013	1382	90	18	0	1
1943	546	545	777	1013	90	18	0	1
1945	544	543	723	732	90	18	0	1
1947	542	541	733	729	90	18	0	1
1949	540	539	727	730	90	18	0	1
1951	538	537	683	681	90	18	0	1
1953	536	535	725	722	90	18	0	1
1955	534	533	724	728	90	18	0	1
1957	532	531	682	684	90	18	0	1
1959	530	529	678	680	90	18	0	1
1961	528	527	743	679	90	18	0	1
1963	526	525	760	754	90	18	0	1
1965	524	523	755	757	90	18	0	1
1967	522	521	1019	792	90	18	0	1
1969	958	1341	1378	1019	90	18	0	1
1971	681	683	1105	1102	90	18	0	1
1973	722	725	1114	1108	90	18	0	1
1975	1111	1102	1467	1465	90	18	0	1
1977	1105	1108	1477	1474	90	18	0	1
1979	1114	1118	1476	1478	90	18	0	1
1981	1467	1474	1833	1830	90	18	0	1
1983	1477	1478	1835	1840	90	18	0	1
1985	1824	1830	2200	2193	90	18	0	1
1987	1833	1840	2207	2204	90	18	0	1
1989	1835	1828	2201	2205	90	18	0	1
1991	2200	2204	2575	2573	90	18	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
1798	1774	1764	1384	1390	65	13	0	1
1800	1003	995	330	329	65	13	0	1
1802	5755	5744	5086	5145	65	13	0	1
1804	4474	4458	4017	4042	65	13	0	1
1806	3629	3611	3219	3250	65	13	0	1
1808	2877	2851	2481	2509	65	13	0	1
1810	2138	2105	1637	1764	65	13	0	1
1812	1384	1230	837	995	65	13	0	1
1814	6927	6928	5740	5744	65	13	0	1
1816	5086	5067	4445	4458	65	13	0	1
1818	4017	3996	3591	3611	65	13	0	1
1820	3219	3204	2830	2851	65	13	0	1
1822	2481	2443	1945	2105	65	13	0	1
1824	1637	1517	1067	1230	65	13	0	1
1826	837	697	332	331	65	13	0	1
1828	5740	5745	5071	5067	65	13	0	1
1830	4445	4444	3991	3996	65	13	0	1
1832	6929	6930	5761	5745	65	13	0	1
1834	5071	5143	4459	4444	65	13	0	1
1836	3991	4002	3593	3592	65	13	0	1
1838	5761	5780	5178	5143	65	13	0	1
1840	4459	4487	4028	4002	65	13	0	1
1842	6931	6932	5818	5780	65	13	0	2
1844	5178	5228	4538	4487	65	13	0	2
1846	4028	4100	3687	3594	65	13	0	2
1848	3239	3314	2955	2892	65	13	0	2
1850	2535	2603	2245	2180	65	13	0	2
1852	1818	1889	1522	1455	65	13	0	2
1854	1070	1150	769	700	65	13	0	2
1856	6932	6933	5861	5818	65	13	0	2
1858	5228	5274	4587	4538	65	13	0	2
1860	4100	4163	3763	3687	65	13	0	2
1862	3314	3385	3027	2955	65	13	0	2
1864	2603	2667	2302	2245	65	13	0	2
1866	1889	1942	1579	1522	65	13	0	2
1868	1150	1220	838	769	65	13	0	2
1870	6933	6934	5939	5861	65	13	0	2
1872	5274	5357	4672	4587	65	13	0	2
1874	4163	4267	3883	3763	65	13	0	2
1876	3385	3493	3123	3027	65	13	0	2
1878	2667	2754	2393	2302	65	13	0	2
1880	1942	2038	1670	1579	65	13	0	2
1882	1220	1304	921	838	65	13	0	2
1884	335	334	699	700	65	13	0	1
1886	334	333	698	699	65	13	0	1
1888	333	332	697	698	65	13	0	1
1890	1341	1707	1728	1378	90	18	0	1
1892	2075	2430	2366	2089	90	18	0	1
1894	2791	3160	3089	2724	90	18	0	1
1896	3530	3920	3838	3459	90	18	0	1
1898	4304	4709	4598	4214	90	18	0	1
1900	5394	5976	5748	5217	90	18	0	1
1902	7174	7175	6104	5748	90	18	0	1
1904	7176	7177	6130	6117	90	18	0	1
1906	7178	7179	6125	6127	90	18	0	1
1908	7180	7181	6140	6144	90	18	0	1
1910	7182	7183	6147	6148	90	18	0	1
1912	7184	7185	6149	6146	90	18	0	1
1914	7186	7187	6137	6150	90	18	0	1
1916	7188	7189	6126	6122	90	18	0	1
1918	7190	7191	6142	6131	90	18	0	1
1920	7192	7193	6141	6143	90	18	0	1
1922	7194	7195	6153	6152	90	18	0	1
1924	7196	7197	6138	6154	90	18	0	1
1926	7198	7199	6120	6136	90	18	0	1
1928	7200	7201	5736	6105	90	18	0	1
1930	6068	5496	5272	5736	90	18	0	1
1932	4923	4329	4322	4720	90	18	0	1
1934	3940	3554	3544	3935	90	18	0	1
1936	3183	2821	2817	3181	90	18	0	1
1938	2459	2095	2106	2460	90	18	0	1
1940	1719	1354	1382	1739	90	18	0	1
1942	547	546	1013	973	90	18	0	1
1944	545	544	732	777	90	18	0	1
1946	543	542	729	723	90	18	0	1
1948	541	540	730	733	90	18	0	1
1950	539	538	681	727	90	18	0	1
1952	537	536	722	683	90	18	0	1
1954	535	534	728	725	90	18	0	1
1956	533	532	684	724	90	18	0	1
1958	531	530	680	682	90	18	0	1
1960	529	528	679	678	90	18	0	1
1962	527	526	754	743	90	18	0	1
1964	525	524	757	760	90	18	0	1
1966	523	522	792	755	90	18	0	1
1968	520	958	1019	521	90	18	0	1
1970	727	681	1102	1111	90	18	0	1
1972	683	722	1108	1105	90	18	0	1
1974	725	728	1118	1114	90	18	0	1
1976	1102	1105	1474	1467	90	18	0	1
1978	1108	1114	1478	1477	90	18	0	1
1980	1465	1467	1830	1824	90	18	0	1
1982	1474	1477	1840	1833	90	18	0	1
1984	1478	1476	1828	1835	90	18	0	1
1986	1830	1833	2204	2200	90	18	0	1
1988	1840	1835	2205	2207	90	18	0	1
1990	2193	2200	2573	2583	90	18	0	1
1992	2204	2207	2576	2575	90	18	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
1993	2207	2205	2571	2576	90	18	0	1	1994	2205	2201	2567	2571	90	18	0	1
1995	2583	2573	2938	2950	90	18	0	1	1996	2573	2575	2937	2938	90	18	0	1
1997	2575	2576	2936	2937	90	18	0	1	1998	2576	2571	2928	2936	90	18	0	1
1999	2571	2567	2926	2928	90	18	0	1	2000	2950	2938	3309	3317	90	18	0	1
2001	2938	2937	3306	3309	90	18	0	1	2002	2937	2936	3303	3306	90	18	0	1
2003	2936	2928	3292	3303	90	18	0	1	2004	2928	2926	3290	3292	90	18	0	1
2005	3317	3309	3674	3680	90	18	0	1	2006	3309	3306	3670	3674	90	18	0	1
2007	3306	3303	3669	3670	90	18	0	1	2008	3303	3292	3665	3669	90	18	0	1
2009	3292	3290	3661	3665	90	18	0	1	2010	3680	3674	4035	4038	90	18	0	1
2011	3674	3670	4033	4035	90	18	0	1	2012	3670	3669	4029	4033	90	18	0	1
2013	3669	3665	4023	4029	90	18	0	1	2014	3665	3661	4020	4023	90	18	0	1
2015	4038	4035	4392	4396	90	18	0	1	2016	4035	4033	4391	4392	90	18	0	1
2017	4033	4029	4390	4391	90	18	0	1	2018	4029	4023	4389	4390	90	18	0	1
2019	4023	4020	4388	4389	90	18	0	1	2020	4396	4392	4986	4987	90	18	0	1
2021	4392	4391	4985	4986	90	18	0	1	2022	4391	4390	4984	4985	90	18	0	1
2023	4390	4389	4977	4984	90	18	0	1	2024	4389	4388	4976	4977	90	18	0	1
2025	4987	4986	5558	5564	90	18	0	1	2026	4986	4985	5555	5558	90	18	0	1
2027	4985	4984	5550	5555	90	18	0	1	2028	4984	4977	5545	5550	90	18	0	1
2029	4977	4976	5547	5545	90	18	0	1	2030	5564	5558	6143	6141	90	18	0	1
2031	5558	5555	6142	6143	90	18	0	1	2032	5555	5550	6131	6142	90	18	0	1
2033	5550	5545	6126	6131	90	18	0	1	2034	5545	5547	6122	6126	90	18	0	1
2035	2474	2812	2813	2473	90	18	0	1	2036	2812	3074	3088	2813	90	18	0	1
2037	2473	2813	2815	2465	90	18	0	1	2038	2813	3088	3172	2815	90	18	0	1
2039	2465	2815	2816	2462	90	18	0	1	2040	2815	3172	3176	2816	90	18	0	1
2041	2462	2816	2817	2460	90	18	0	1	2042	2816	3176	3181	2817	90	18	0	1
2043	2132	2474	2473	2125	90	18	0	1	2044	2125	2473	2465	2122	90	18	0	1
2045	2122	2465	2462	2114	90	18	0	1	2046	2114	2462	2460	2106	90	18	0	1
2047	732	723	1094	1095	90	18	0	1	2048	1095	1094	1434	1432	90	18	0	1
2049	1432	1434	1783	1776	90	18	0	1	2050	1776	1783	2132	2125	90	18	0	1
2051	1776	2125	2122	1769	90	18	0	1	2052	1769	2122	2114	1758	90	18	0	1
2053	1758	2114	2106	1739	90	18	0	1	2054	1098	1429	1424	1128	90	18	0	1
2055	1424	1382	1013	1128	90	18	0	1	2056	1013	777	1098	1128	90	18	0	1
2057	1758	1739	1382	1424	90	18	0	1	2058	1424	1429	1769	1758	90	18	0	1
2059	777	732	1095	1098	90	18	0	1	2060	1098	1095	1432	1429	90	18	0	1
2061	1429	1432	1776	1769	90	18	0	1	2062	1783	1434	1437	1792	90	18	0	1
2063	1434	1094	1097	1437	90	18	0	1	2064	1094	723	729	1097	90	18	0	1
2065	1792	1437	1446	1799	90	18	0	1	2066	1437	1097	1101	1446	90	18	0	1
2067	1097	729	733	1101	90	18	0	1	2068	1799	1446	1459	1808	90	18	0	1
2069	1446	1101	1112	1459	90	18	0	1	2070	1101	733	730	1112	90	18	0	1
2071	1808	1459	1465	1824	90	18	0	1	2072	1459	1112	1111	1465	90	18	0	1
2073	1112	730	727	1111	90	18	0	1	2074	1808	1824	2193	2183	90	18	0	1
2075	2183	2154	1799	1808	90	18	0	1	2076	2583	2950	2983	2607	90	18	0	1
2077	2607	2183	2193	2583	90	18	0	1	2078	2505	2154	2183	2607	90	18	0	1
2079	3059	3080	2827	2838	90	18	0	1	2080	2827	2505	2607	2838	90	18	0	1
2081	2607	2983	3059	2838	90	18	0	1	2082	3080	3075	2822	2827	90	18	0	1
2083	3075	3074	2812	2822	90	18	0	1	2084	2827	2822	2484	2505	90	18	0	1
2085	2822	2812	2474	2484	90	18	0	1	2086	2505	2484	2137	2154	90	18	0	1
2087	2484	2474	2132	2137	90	18	0	1	2088	2154	2137	1792	1799	90	18	0	1
2089	2137	2132	1783	1792	90	18	0	1	2090	3075	3080	3386	3400	90	18	0	1
2091	3080	3059	3368	3386	90	18	0	1	2092	3059	2983	3335	3368	90	18	0	1
2093	2983	2950	3317	3335	90	18	0	1	2094	3400	3386	3721	3733	90	18	0	1
2095	3386	3368	3711	3721	90	18	0	1	2096	3368	3335	3698	3711	90	18	0	1
2097	3335	3317	3680	3698	90	18	0	1	2098	3733	3721	4062	4074	90	18	0	1
2099	3721	3711	4055	4062	90	18	0	1	2100	3711	3698	4048	4055	90	18	0	1
2101	3698	3680	4038	4048	90	18	0	1	2102	4074	4062	4403	4408	90	18	0	1
2103	4062	4055	4402	4403	90	18	0	1	2104	4055	4048	4400	4402	90	18	0	1
2105	4048	4038	4396	4400	90	18	0	1	2106	4408	4403	5001	5002	90	18	0	1
2107	4403	4402	4999	5001	90	18	0	1	2108	4402	4400	4995	4999	90	18	0	1
2109	4400	4396	4987	4995	90	18	0	1	2110	5002	5001	5575	5577	90	18	0	1
2111	5001	4999	5569	5575	90	18	0	1	2112	4999	4995	5565	5569	90	18	0	1
2113	4995	4987	5564	5565	90	18	0	1	2114	5577	5575	6154	6138	90	18	0	1
2115	5575	5569	6153	6154	90	18	0	1	2116	5569	5565	6152	6153	90	18	0	1
2117	5565	5564	6141	6152	90	18	0	1	2118	3935	3544	3541	3855	90	18	0	1
2119	3544	3181	3176	3541	90	18	0	1	2120	3855	3541	3458	3822	90	18	0	1
2121	3541	3176	3172	3458	90	18	0	1	2122	3822	3458	3433	3777	90	18	0	1
2123	3458	3172	3088	3433	90	18	0	1	2124	3777	3433	3412	3745	90	18	0	1
2125	3433	3088	3074	3412	90	18	0	1	2126	3745	3412	3400	3733	90	18	0	1
2127	3412	3074	3075	3400	90	18	0	1	2128	3745	3733	4074	4103	90	18	0	1
2129	4103	4074	4408	4436	90	18	0	1	2130	4436	4408	5002	5013	90	18	0	1
2131	5013	5002	5577	5584	90	18	0	1	2132	5584	5577	6138	6136	90	18	0	1
2133	5584	6136	6120	5581	90	18	0	1	2134	5581	5017	5013	5584	90	18	0	1
2135	5030	5020	5566	5535	90	18	0	1	2136	5566	6105	5736	5535	90	18	0	1
2137	5736	5272	5030	5535	90	18	0	1	2138	5581	6120	6105	5566	90	18	0	1
2139	5566	5020	5017	5581	90	18	0	1	2140	5272	4720	4581	5030	90	18	0	1
2141	4720	4322	4222	4581	90	18	0	1	2142	4322	3935	3855	4222	90	18	0	1
2143	5030	4581	4528	5020	90	18	0	1	2144	4581	4222	4166	4528	90	18	0	1
2145	4222	3855	3822	4166	90	18	0	1	2146	5020	4528	4481	5017	90	18	0	1
2147	4528	4166	4127	4481	90	18	0	1	2148	4166	3822	3777	4127	90	18	0	1
2149	5017	4481	4436	5013	90	18	0	1	2150	4481	4127	4103	4436	90	18	0	1
2151	4127	3777	3745	4103	90	18	0	1	2152	6148	6147	5560	5553	90	18	0	1
2153	6147	6146	5559	5560	90	18	0	1	2154	6146	6149	5563	5559	90	18	0	1
2155	6149	6150	5562	5563	90	18	0	1	2156	6150	6137	5556	5562	90	18	0	1
2157	6137	6122	5547	5556	90	18	0	1	2158	5553	5560	4974	4980	90	18	0	1
2159	5560	5559	4975	4974	90	18	0	1	2160	5559	5563	4979	4975	90	18	0	1
2161	5563	5562	4983	4979	90	18	0	1	2162	5562	5556	4981	4983	90	18	0	1
2163	5556	5547	4976	4981	90	18	0	1	2164	4980	4974	4375	4377	90	18	0	1
2165	4974	4975	4376	4375	90	18	0	1	2166	4975	4979	4379	4376	90	18	0	1
2167	4979	4983	4382	4379	90	18	0	1	2168	4983	4981	4386	4382	90	18	0	1
2169	4981	4976	4388	4386	90	18	0	1	2170	4377	4375	3989	3994	90	18	0	1
2171	4375	4376	3993	3989	90	18	0	1	2172	4376	4379	3998	3993	90	18	0	1
2173	4379	4382	4003	3998	90	18	0	1	2174	4382	4386	4007	4003	90	18	0	1
2175	4386	4388	4020	4007	90	18	0	1	2176	3994	3989	3633	3638	90	18	0	1
2177	3989	3993	3634	3633	90	18	0	1	2178	3993	3998	3641	3634	90	18	0	1
2179	3998	4003	3645	3641	90	18	0	1	2180	4003	4007	3651	3645	90	18	0	1
2181	4007	4020	3661	3651	90	18	0	1	2182	3638	3633	3274	3280	90	18	0	1
2183	3633	3634	3276	3274	90	18	0	1	2184	3634	3641	3279	3276	90	18	0	1
2185	3641	3645	3282	3279	90	18	0	1	2186	3645	3651	3285	3282	90	18	0	1
2187	3651	3661	3290	3285	90	18	0	1	2188	3280	3274	2913	2918	90	18	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
2189	3274	3276	2912	2913	90	18	0	1	2190	3276	3279	2915	2912	90	18	0	1
2191	3279	3282	2919	2915	90	18	0	1	2192	3282	3285	2922	2919	90	18	0	1
2193	3285	3290	2926	2922	90	18	0	1	2194	2918	2913	2557	2563	90	18	0	1
2195	2913	2912	2555	2557	90	18	0	1	2196	2912	2915	2558	2555	90	18	0	1
2197	2915	2919	2561	2558	90	18	0	1	2198	2919	2922	2564	2561	90	18	0	1
2199	2922	2926	2567	2564	90	18	0	1	2200	2563	2557	2189	2196	90	18	0	1
2201	2557	2555	2188	2189	90	18	0	1	2202	2555	2558	2190	2188	90	18	0	1
2203	2558	2561	2194	2190	90	18	0	1	2204	2561	2564	2195	2194	90	18	0	1
2205	2564	2567	2201	2195	90	18	0	1	2206	2196	2189	1820	1825	90	18	0	1
2207	2189	2188	1819	1820	90	18	0	1	2208	2188	2190	1821	1819	90	18	0	1
2209	2190	2194	1823	1821	90	18	0	1	2210	2194	2195	1826	1823	90	18	0	1
2211	2195	2201	1828	1826	90	18	0	1	2212	1825	1820	1468	1485	90	18	0	1
2213	1820	1819	1460	1468	90	18	0	1	2214	1819	1821	1457	1460	90	18	0	1
2215	1821	1823	1458	1457	90	18	0	1	2216	1823	1826	1466	1458	90	18	0	1
2217	1826	1828	1476	1466	90	18	0	1	2218	1485	1468	1107	1120	90	18	0	1
2219	1468	1460	1103	1107	90	18	0	1	2220	1460	1457	1104	1103	90	18	0	1
2221	1457	1458	1106	1104	90	18	0	1	2222	1458	1466	1113	1106	90	18	0	1
2223	1466	1476	1118	1113	90	18	0	1	2224	1120	1107	678	679	90	18	0	1
2225	1107	1103	680	678	90	18	0	1	2226	1103	1104	682	680	90	18	0	1
2227	1104	1106	684	682	90	18	0	1	2228	1106	1113	724	684	90	18	0	1
2229	1113	1118	728	724	90	18	0	1	2230	6125	6144	5557	5572	90	18	0	1
2231	6144	6140	5548	5557	90	18	0	1	2232	6140	6148	5553	5548	90	18	0	1
2233	5572	5557	4978	4990	90	18	0	1	2234	5557	5548	4972	4978	90	18	0	1
2235	5548	5553	4980	4972	90	18	0	1	2236	4990	4978	4385	4394	90	18	0	1
2237	4978	4972	4374	4385	90	18	0	1	2238	4972	4980	4377	4374	90	18	0	1
2239	4394	4385	4013	4032	90	18	0	1	2240	4385	4374	4000	4013	90	18	0	1
2241	4374	4377	3994	4000	90	18	0	1	2242	4032	4013	3668	3685	90	18	0	1
2243	4013	4000	3650	3668	90	18	0	1	2244	4000	3994	3638	3650	90	18	0	1
2245	3685	3668	3312	3330	90	18	0	1	2246	3668	3650	3289	3312	90	18	0	1
2247	3650	3638	3280	3289	90	18	0	1	2248	6130	6127	5567	5582	90	18	0	1
2249	6127	6125	5572	5567	90	18	0	1	2250	5582	5567	4993	5003	90	18	0	1
2251	5567	5572	4990	4993	90	18	0	1	2252	5003	4993	4398	4422	90	18	0	1
2253	4993	4990	4394	4398	90	18	0	1	2254	4422	4398	4054	4082	90	18	0	1
2255	4398	4394	4032	4054	90	18	0	1	2256	4082	4054	3708	3728	90	18	0	1
2257	4054	4032	3685	3708	90	18	0	1	2258	3728	3708	3345	3372	90	18	0	1
2259	3708	3685	3330	3345	90	18	0	1	2260	4082	3728	3744	4112	90	18	0	1
2261	3728	3372	3390	3744	90	18	0	1	2262	4112	3744	3776	4142	90	18	0	1
2263	3744	3390	3414	3776	90	18	0	1	2264	4142	3776	3812	4180	90	18	0	1
2265	3776	3414	3442	3812	90	18	0	1	2266	4180	3812	3838	4214	90	18	0	1
2267	3812	3442	3459	3838	90	18	0	1	2268	5582	5003	5011	5580	90	18	0	1
2269	5580	6117	6130	5582	90	18	0	1	2270	5025	5217	5748	5533	90	18	0	1
2271	5748	6104	5554	5533	90	18	0	1	2272	5554	5014	5025	5533	90	18	0	1
2273	5580	5011	5014	5554	90	18	0	1	2274	5554	6104	6117	5580	90	18	0	1
2275	5003	4422	4451	5011	90	18	0	1	2276	4422	4082	4112	4451	90	18	0	1
2277	5011	4451	4495	5014	90	18	0	1	2278	4451	4112	4142	4495	90	18	0	1
2279	5014	4495	4539	5025	90	18	0	1	2280	4495	4142	4180	4539	90	18	0	1
2281	5025	4539	4598	5217	90	18	0	1	2282	4539	4180	4214	4598	90	18	0	1
2283	3330	3312	2954	2975	90	18	0	1	2284	3312	3289	2935	2954	90	18	0	1
2285	3289	3280	2918	2935	90	18	0	1	2286	2975	2954	2598	2622	90	18	0	1
2287	2954	2935	2581	2598	90	18	0	1	2288	2935	2918	2563	2581	90	18	0	1
2289	2622	2598	2229	2252	90	18	0	1	2290	2598	2581	2215	2229	90	18	0	1
2291	2581	2563	2196	2215	90	18	0	1	2292	2252	2229	1854	1886	90	18	0	1
2293	2229	2215	1834	1854	90	18	0	1	2294	2215	2196	1825	1834	90	18	0	1
2295	1886	1854	1507	1523	90	18	0	1	2296	1854	1834	1497	1507	90	18	0	1
2297	1834	1825	1485	1497	90	18	0	1	2298	1523	1507	1141	1153	90	18	0	1
2299	1507	1497	1129	1141	90	18	0	1	2300	1497	1485	1120	1129	90	18	0	1
2301	1153	1141	754	760	90	18	0	1	2302	1141	1129	743	754	90	18	0	1
2303	1129	1120	679	743	90	18	0	1	2304	1926	1886	1523	1550	90	18	0	1
2305	1550	1523	1153	1152	90	18	0	1	2306	1152	1153	760	757	90	18	0	1
2307	2090	2097	1752	1743	90	18	0	1	2308	1743	1728	2089	2090	90	18	0	1
2309	1100	792	1019	1122	90	18	0	1	2310	1019	1378	1418	1122	90	18	0	1
2311	1418	1430	1100	1122	90	18	0	1	2312	1743	1752	1430	1418	90	18	0	1
2313	1418	1378	1728	1743	90	18	0	1	2314	1109	1152	757	755	90	18	0	1
2315	755	792	1100	1109	90	18	0	1	2316	1109	1100	1430	1447	90	18	0	1
2317	1447	1430	1752	1768	90	18	0	1	2318	1768	1752	2097	2094	90	18	0	1
2319	1768	2094	2010	1787	90	18	0	1	2320	2010	1926	1550	1787	90	18	0	1
2321	1550	1447	1768	1787	90	18	0	1	2322	1550	1152	1109	1447	90	18	0	1
2323	2089	2366	2363	2090	90	18	0	1	2324	2366	2724	2712	2363	90	18	0	1
2325	2724	3089	3072	2712	90	18	0	1	2326	3089	3459	3442	3072	90	18	0	1
2327	2090	2363	2354	2097	90	18	0	1	2328	2363	2712	2700	2354	90	18	0	1
2329	2712	3072	3058	2700	90	18	0	1	2330	3072	3442	3414	3058	90	18	0	1
2331	2097	2354	2343	2094	90	18	0	1	2332	2354	2700	2684	2343	90	18	0	1
2333	2700	3058	3040	2684	90	18	0	1	2334	3058	3414	3390	3040	90	18	0	1
2335	2094	2343	2321	2010	90	18	0	1	2336	2343	2684	2668	2321	90	18	0	1
2337	2684	3040	3018	2668	90	18	0	1	2338	3040	3390	3372	3018	90	18	0	1
2339	2010	2321	2283	1926	90	18	0	1	2340	2321	2668	2643	2283	90	18	0	1
2341	2668	3018	2997	2643	90	18	0	1	2342	3018	3372	3345	2997	90	18	0	1
2343	1926	2283	2252	1886	90	18	0	1	2344	2283	2643	2622	2252	90	18	0	1
2345	2643	2997	2975	2622	90	18	0	1	2346	2997	3345	3330	2975	90	18	0	1
2347	520	519	957	958	90	18	0	1	2348	958	957	1340	1341	90	18	0	1
2349	1341	1340	1706	1707	90	18	0	1	2350	1707	1706	2074	2075	90	18	0	1
2351	2075	2074	2429	2430	90	18	0	1	2352	2430	2429	2790	2791	90	18	0	1
2353	2791	2790	3159	3160	90	18	0	1	2354	3160	3159	3529	3530	90	18	0	1
2355	3530	3529	3919	3920	90	18	0	1	2356	3920	3919	4303	4304	90	18	0	1
2357	4304	4303	4708	4709	90	18	0	1	2358	4709	4708	5393	5394	90	18	0	1
2359	5394	5393	5975	5976	90	18	0	1	2360	5976	5975	7172	7173	90	18	0	1
2361	519	518	956	957	90	18	0	1	2362	957	956	1339	1340	90	18	0	1
2363	1340	1339	1705	1706	90	18	0	1	2364	1706	1705	2073	2074	90	18	0	1
2365	2074	2073	2428	2429	90	18	0	1	2366	2429	2428	2789	2790	90	18	0	1
2367	2790	2789	3158	3159	90	18	0	1	2368	3159	3158	3528	3529	90	18	0	1
2369	3529	3528	3918	3919	90	18	0	1	2370	3919	3918	4302	4303	90	18	0	1
2371	4303	4302	4707	4708	90	18	0	1	2372	4708	4707	5392	5393	90	18	0	1
2373	5393	5392	5974	5975	90	18	0	1	2374	5975	5974	7171	7172	90	18	0	1
2375	518	517	955	956	90	18	0	1	2376	956	955	1338	1339	90	18	0	1
2377	1339	1338	1704	1705	90	18	0	1	2378	1705	1704	2072	2073	90	18	0	1
2379	2073	2072	2427	2428	90	18	0	1	2380	2428	2427	2788	2789	90	18	0	1
2381	2789	2788	3157	3158	90	18	0	1	2382	3158	3157	3527	3528	90	18	0	1
2383	3528	3527	3917	3918	90	18	0	1	2384	3918	3917	4301	4302	90	18	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
2385	4302	4301	4706	4707	90	18	0	1	2386	4707	4706	5391	5392	90	18	0	1
2387	5392	5391	5973	5974	90	18	0	1	2388	5974	5973	7170	7171	90	18	0	1
2389	517	516	954	955	90	18	0	1	2390	955	954	1337	1338	90	18	0	1
2391	1338	1337	1703	1704	90	18	0	1	2392	1704	1703	2071	2072	90	18	0	1
2393	2072	2071	2426	2427	90	18	0	1	2394	2427	2426	2787	2788	90	18	0	1
2395	2788	2787	3156	3157	90	18	0	1	2396	3157	3156	3526	3527	90	18	0	1
2397	3527	3526	3916	3917	90	18	0	1	2398	3917	3916	4300	4301	90	18	0	1
2399	4301	4300	4705	4706	90	18	0	1	2400	4706	4705	5390	5391	90	18	0	1
2401	5391	5390	5972	5973	90	18	0	1	2402	5973	5972	7169	7170	90	18	0	1
2403	516	515	953	954	90	18	0	1	2404	954	953	1336	1337	90	18	0	1
2405	1337	1336	1702	1703	90	18	0	1	2406	1703	1702	2070	2071	90	18	0	1
2407	2071	2070	2425	2426	90	18	0	1	2408	2426	2425	2786	2787	90	18	0	1
2409	2787	2786	3155	3156	90	18	0	1	2410	3156	3155	3525	3526	90	18	0	1
2411	3526	3525	3915	3916	90	18	0	1	2412	3916	3915	4299	4300	90	18	0	1
2413	4300	4299	4704	4705	90	18	0	1	2414	4705	4704	5389	5390	90	18	0	1
2415	5390	5389	5971	5972	90	18	0	1	2416	5972	5971	7168	7169	90	18	0	1
2417	515	514	952	953	90	18	0	1	2418	953	952	1335	1336	90	18	0	1
2419	1336	1335	1701	1702	90	18	0	1	2420	1702	1701	2069	2070	90	18	0	1
2421	2070	2069	2424	2425	90	18	0	1	2422	2425	2424	2785	2786	90	18	0	1
2423	2786	2785	3154	3155	90	18	0	1	2424	3155	3154	3524	3525	90	18	0	1
2425	3525	3524	3914	3915	90	18	0	1	2426	3915	3914	4298	4299	90	18	0	1
2427	4299	4298	4703	4704	90	18	0	1	2428	4704	4703	5388	5389	90	18	0	1
2429	5389	5388	5970	5971	90	18	0	1	2430	5971	5970	7167	7168	90	18	0	1
2431	514	513	951	952	90	18	0	1	2432	952	951	1334	1335	90	18	0	1
2433	1335	1334	1700	1701	90	18	0	1	2434	1701	1700	2068	2069	90	18	0	1
2435	2069	2068	2423	2424	90	18	0	1	2436	2424	2423	2784	2785	90	18	0	1
2437	2785	2784	3153	3154	90	18	0	1	2438	3154	3153	3523	3524	90	18	0	1
2439	3524	3523	3913	3914	90	18	0	1	2440	3914	3913	4297	4298	90	18	0	1
2441	4298	4297	4702	4703	90	18	0	1	2442	4703	4702	5387	5388	90	18	0	1
2443	5388	5387	5969	5970	90	18	0	1	2444	5970	5969	7166	7167	90	18	0	1
2445	513	512	950	951	90	18	0	1	2446	951	950	1333	1334	90	18	0	1
2447	1334	1333	1699	1700	90	18	0	1	2448	1700	1699	2067	2068	90	18	0	1
2449	2068	2067	2422	2423	90	18	0	1	2450	2423	2422	2783	2784	90	18	0	1
2451	2784	2783	3152	3153	90	18	0	1	2452	3153	3152	3522	3523	90	18	0	1
2453	3523	3522	3912	3913	90	18	0	1	2454	3913	3912	4296	4297	90	18	0	1
2455	4297	4296	4701	4702	90	18	0	1	2456	4702	4701	5386	5387	90	18	0	1
2457	5387	5386	5968	5969	90	18	0	1	2458	5969	5968	7165	7166	90	18	0	1
2459	512	511	949	950	90	18	0	1	2460	950	949	1332	1333	90	18	0	1
2461	1333	1332	1698	1699	90	18	0	1	2462	1699	1698	2066	2067	90	18	0	1
2463	2067	2066	2421	2422	90	18	0	1	2464	2422	2421	2782	2783	90	18	0	1
2465	2783	2782	3151	3152	90	18	0	1	2466	3152	3151	3521	3522	90	18	0	1
2467	3522	3521	3911	3912	90	18	0	1	2468	3912	3911	4295	4296	90	18	0	1
2469	4296	4295	4700	4701	90	18	0	1	2470	4701	4700	5385	5386	90	18	0	1
2471	5386	5385	5967	5968	90	18	0	1	2472	5968	5967	7164	7165	90	18	0	1
2473	511	510	948	949	90	18	0	1	2474	949	948	1331	1332	90	18	0	1
2475	1332	1331	1697	1698	90	18	0	1	2476	1698	1697	2065	2066	90	18	0	1
2477	2066	2065	2420	2421	90	18	0	1	2478	2421	2420	2781	2782	90	18	0	1
2479	2782	2781	3150	3151	90	18	0	1	2480	3151	3150	3520	3521	90	18	0	1
2481	3521	3520	3910	3911	90	18	0	1	2482	3911	3910	4294	4295	90	18	0	1
2483	4295	4294	4699	4700	90	18	0	1	2484	4700	4699	5384	5385	90	18	0	1
2485	5385	5384	5966	5967	90	18	0	1	2486	5967	5966	7163	7164	90	18	0	1
2487	510	509	947	948	90	18	0	1	2488	948	947	1330	1331	90	18	0	1
2489	1331	1330	1696	1697	90	18	0	1	2490	1697	1696	2064	2065	90	18	0	1
2491	2065	2064	2419	2420	90	18	0	1	2492	2420	2419	2780	2781	90	18	0	1
2493	2781	2780	3149	3150	90	18	0	1	2494	3150	3149	3519	3520	90	18	0	1
2495	3520	3519	3909	3910	90	18	0	1	2496	3910	3909	4293	4294	90	18	0	1
2497	4294	4293	4698	4699	90	18	0	1	2498	4699	4698	5383	5384	90	18	0	1
2499	5384	5383	5965	5966	90	18	0	1	2500	5966	5965	7162	7163	90	18	0	1
2501	509	508	946	947	90	18	0	1	2502	947	946	1329	1330	90	18	0	1
2503	1330	1329	1695	1696	90	18	0	1	2504	1696	1695	2063	2064	90	18	0	1
2505	2064	2063	2418	2419	90	18	0	1	2506	2419	2418	2779	2780	90	18	0	1
2507	2780	2779	3148	3149	90	18	0	1	2508	3149	3148	3518	3519	90	18	0	1
2509	3519	3518	3908	3909	90	18	0	1	2510	3909	3908	4292	4293	90	18	0	1
2511	4293	4292	4697	4698	90	18	0	1	2512	4698	4697	5382	5383	90	18	0	1
2513	5383	5382	5964	5965	90	18	0	1	2514	5965	5964	7161	7162	90	18	0	1
2515	508	507	945	946	90	18	0	1	2516	946	945	1328	1329	90	18	0	1
2517	1329	1328	1694	1695	90	18	0	1	2518	1695	1694	2062	2063	90	18	0	1
2519	2063	2062	2417	2418	90	18	0	1	2520	2418	2417	2778	2779	90	18	0	1
2521	2779	2778	3147	3148	90	18	0	1	2522	3148	3147	3517	3518	90	18	0	1
2523	3518	3517	3907	3908	90	18	0	1	2524	3908	3907	4291	4292	90	18	0	1
2525	4292	4291	4696	4697	90	18	0	1	2526	4697	4696	5381	5382	90	18	0	1
2527	5382	5381	5963	5964	90	18	0	1	2528	5964	5963	7160	7161	90	18	0	1
2529	507	506	944	945	90	18	0	1	2530	945	944	1327	1328	90	18	0	1
2531	1328	1327	1693	1694	90	18	0	1	2532	1694	1693	2061	2062	90	18	0	1
2533	2062	2061	2416	2417	90	18	0	1	2534	2417	2416	2777	2778	90	18	0	1
2535	2778	2777	3146	3147	90	18	0	1	2536	3147	3146	3516	3517	90	18	0	1
2537	3517	3516	3906	3907	90	18	0	1	2538	3907	3906	4290	4291	90	18	0	1
2539	4291	4290	4695	4696	90	18	0	1	2540	4696	4695	5380	5381	90	18	0	1
2541	5381	5380	5962	5963	90	18	0	1	2542	5963	5962	7159	7160	90	18	0	1
2543	506	505	943	944	90	18	0	1	2544	944	943	1326	1327	90	18	0	1
2545	1327	1326	1692	1693	90	18	0	1	2546	1693	1692	2060	2061	90	18	0	1
2547	2061	2060	2415	2416	90	18	0	1	2548	2416	2415	2776	2777	90	18	0	1
2549	2777	2776	3145	3146	90	18	0	1	2550	3146	3145	3515	3516	90	18	0	1
2551	3516	3515	3905	3906	90	18	0	1	2552	3906	3905	4289	4290	90	18	0	1
2553	4290	4289	4694	4695	90	18	0	1	2554	4695	4694	5379	5380	90	18	0	1
2555	5380	5379	5961	5962	90	18	0	1	2556	5962	5961	7158	7159	90	18	0	1
2557	505	504	942	943	90	18	0	1	2558	943	942	1325	1326	90	18	0	1
2559	1326	1325	1691	1692	90	18	0	1	2560	1692	1691	2059	2060	90	18	0	1
2561	2060	2059	2414	2415	90	18	0	1	2562	2415	2414	2775	2776	90	18	0	1
2563	2776	2775	3144	3145	90	18	0	1	2564	3145	3144	3514	3515	90	18	0	1
2565	3515	3514	3904	3905	90	18	0	1	2566	3905	3904	4288	4289	90	18	0	1
2567	4289	4288	4693	4694	90	18	0	1	2568	4694	4693	5378	5379	90	18	0	1
2569	5379	5378	5960	5961	90	18	0	1	2570	5961	5960	7157	7158	90	18	0	1
2571	504	503	941	942	90	18	0	1	2572	942	941	1324	1325	90	18	0	1
2573	1325	1324	1690	1691	90	18	0	1	2574	1691	1690	2058	2059	90	18	0	1
2575	2059	2058	2413	2414	90	18	0	1	2576	2414	2413	2774	2775	90	18	0	1
2577	2775	2774	3143	3144	90	18	0	1	2578	3144	3143	3513	3514	90	18	0	1
2579	3514	3513	3903	3904	90	18	0	1	2580	3904	3903	4287	4288	90	18	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
2581	4288	4287	4692	4693	90	18	0	1	2582	4693	4692	5377	5378	90	18	0	1
2583	5378	5377	5959	5960	90	18	0	1	2584	5960	5959	7156	7157	90	18	0	1
2585	503	502	940	941	90	18	0	1	2586	941	940	1323	1324	90	18	0	1
2587	1324	1323	1689	1690	90	18	0	1	2588	1690	1689	2057	2058	90	18	0	1
2589	2058	2057	2412	2413	90	18	0	1	2590	2413	2412	2773	2774	90	18	0	1
2591	2774	2773	3142	3143	90	18	0	1	2592	3143	3142	3512	3513	90	18	0	1
2593	3513	3512	3902	3903	90	18	0	1	2594	3903	3902	4286	4287	90	18	0	1
2595	4287	4286	4691	4692	90	18	0	1	2596	4692	4691	5376	5377	90	18	0	1
2597	5377	5376	5958	5959	90	18	0	1	2598	5959	5958	7154	7156	90	18	0	1
2599	502	501	939	940	90	18	0	1	2600	940	939	1322	1323	90	18	0	1
2601	1323	1322	1688	1689	90	18	0	1	2602	1689	1688	2056	2057	90	18	0	1
2603	2057	2056	2411	2412	90	18	0	1	2604	2412	2411	2772	2773	90	18	0	1
2605	2773	2772	3141	3142	90	18	0	1	2606	3142	3141	3511	3512	90	18	0	1
2607	3512	3511	3901	3902	90	18	0	1	2608	3902	3901	4285	4286	90	18	0	1
2609	4286	4285	4690	4691	90	18	0	1	2610	4691	4690	5375	5376	90	18	0	1
2611	5376	5375	5957	5958	90	18	0	1	2612	5958	5957	7153	7154	90	18	0	1
2613	501	500	938	939	90	18	0	1	2614	939	938	1321	1322	90	18	0	1
2615	1322	1321	1687	1688	90	18	0	1	2616	1688	1687	2055	2056	90	18	0	1
2617	2056	2055	2410	2411	90	18	0	1	2618	2411	2410	2771	2772	90	18	0	1
2619	2772	2771	3140	3141	90	18	0	1	2620	3141	3140	3510	3511	90	18	0	1
2621	3511	3510	3900	3901	90	18	0	1	2622	3901	3900	4284	4285	90	18	0	1
2623	4285	4284	4689	4690	90	18	0	1	2624	4690	4689	5374	5375	90	18	0	1
2625	5375	5374	5956	5957	90	18	0	1	2626	5957	5956	7152	7153	90	18	0	1
2627	500	499	937	938	90	18	0	1	2628	938	937	1320	1321	90	18	0	1
2629	1321	1320	1686	1687	90	18	0	1	2630	1687	1686	2054	2055	90	18	0	1
2631	2055	2054	2409	2410	90	18	0	1	2632	2410	2409	2770	2771	90	18	0	1
2633	2771	2770	3139	3140	90	18	0	1	2634	3140	3139	3509	3510	90	18	0	1
2635	3510	3509	3899	3900	90	18	0	1	2636	3900	3899	4283	4284	90	18	0	1
2637	4284	4283	4688	4689	90	18	0	1	2638	4689	4688	5373	5374	90	18	0	1
2639	5374	5373	5955	5956	90	18	0	1	2640	5956	5955	7151	7152	90	18	0	1
2641	499	498	936	937	90	18	0	1	2642	937	936	1319	1320	90	18	0	1
2643	1320	1319	1685	1686	90	18	0	1	2644	1686	1685	2053	2054	90	18	0	1
2645	2054	2053	2408	2409	90	18	0	1	2646	2409	2408	2769	2770	90	18	0	1
2647	2770	2769	3138	3139	90	18	0	1	2648	3139	3138	3508	3509	90	18	0	1
2649	3509	3508	3898	3899	90	18	0	1	2650	3899	3898	4282	4283	90	18	0	1
2651	4283	4282	4687	4688	90	18	0	1	2652	4688	4687	5372	5373	90	18	0	1
2653	5373	5372	5954	5955	90	18	0	1	2654	5955	5954	7150	7151	90	18	0	1
2655	498	497	935	936	90	18	0	1	2656	936	935	1318	1319	90	18	0	1
2657	1319	1318	1684	1685	90	18	0	1	2658	1685	1684	2052	2053	90	18	0	1
2659	2053	2052	2407	2408	90	18	0	1	2660	2408	2407	2768	2769	90	18	0	1
2661	2769	2768	3137	3138	90	18	0	1	2662	3138	3137	3507	3508	90	18	0	1
2663	3508	3507	3897	3898	90	18	0	1	2664	3898	3897	4281	4282	90	18	0	1
2665	4282	4281	4686	4687	90	18	0	1	2666	4687	4686	5371	5372	90	18	0	1
2667	5372	5371	5953	5954	90	18	0	1	2668	5954	5953	7149	7150	90	18	0	1
2669	497	496	934	935	90	18	0	1	2670	935	934	1317	1318	90	18	0	1
2671	1318	1317	1683	1684	90	18	0	1	2672	1684	1683	2051	2052	90	18	0	1
2673	2052	2051	2406	2407	90	18	0	1	2674	2407	2406	2767	2768	90	18	0	1
2675	2768	2767	3136	3137	90	18	0	1	2676	3137	3136	3506	3507	90	18	0	1
2677	3507	3506	3896	3897	90	18	0	1	2678	3897	3896	4280	4281	90	18	0	1
2679	4281	4280	4685	4686	90	18	0	1	2680	4686	4685	5370	5371	90	18	0	1
2681	5371	5370	5952	5953	90	18	0	1	2682	5953	5952	7148	7149	90	18	0	1
2683	496	495	933	934	90	18	0	1	2684	934	933	1316	1317	90	18	0	1
2685	1317	1316	1682	1683	90	18	0	1	2686	1683	1682	2050	2051	90	18	0	1
2687	2051	2050	2405	2406	90	18	0	1	2688	2406	2405	2766	2767	90	18	0	1
2689	2767	2766	3135	3136	90	18	0	1	2690	3136	3135	3505	3506	90	18	0	1
2691	3506	3505	3895	3896	90	18	0	1	2692	3896	3895	4279	4280	90	18	0	1
2693	4280	4279	4684	4685	90	18	0	1	2694	4685	4684	5369	5370	90	18	0	1
2695	5370	5369	5951	5952	90	18	0	1	2696	5952	5951	7147	7148	90	18	0	1
2697	495	494	932	933	90	18	0	1	2698	933	932	1315	1316	90	18	0	1
2699	1316	1315	1681	1682	90	18	0	1	2700	1682	1681	2049	2050	90	18	0	1
2701	2050	2049	2404	2405	90	18	0	1	2702	2405	2404	2765	2766	90	18	0	1
2703	2766	2765	3134	3135	90	18	0	1	2704	3135	3134	3504	3505	90	18	0	1
2705	3505	3504	3894	3895	90	18	0	1	2706	3895	3894	4278	4279	90	18	0	1
2707	4279	4278	4683	4684	90	18	0	1	2708	4684	4683	5368	5369	90	18	0	1
2709	5369	5368	5950	5951	90	18	0	1	2710	5951	5950	7146	7147	90	18	0	1
2711	494	493	931	932	90	18	0	1	2712	932	931	1314	1315	90	18	0	1
2713	1315	1314	1680	1681	90	18	0	1	2714	1681	1680	2048	2049	90	18	0	1
2715	2049	2048	2403	2404	90	18	0	1	2716	2404	2403	2764	2765	90	18	0	1
2717	2765	2764	3133	3134	90	18	0	1	2718	3134	3133	3503	3504	90	18	0	1
2719	3504	3503	3893	3894	90	18	0	1	2720	3894	3893	4277	4278	90	18	0	1
2721	4278	4277	4682	4683	90	18	0	1	2722	4683	4682	5367	5368	90	18	0	1
2723	5368	5367	5949	5950	90	18	0	1	2724	5950	5949	7145	7146	90	18	0	1
2725	493	492	970	931	90	18	0	1	2726	931	970	1352	1314	90	18	0	1
2727	1314	1352	1717	1680	90	18	0	1	2728	1680	1717	2087	2048	90	18	0	1
2729	2048	2087	2447	2403	90	18	0	1	2730	2403	2447	2809	2764	90	18	0	1
2731	2764	2809	3175	3133	90	18	0	1	2732	3133	3175	3542	3503	90	18	0	1
2733	3503	3542	3930	3893	90	18	0	1	2734	3893	3930	4321	4277	90	18	0	1
2735	4277	4321	4724	4682	90	18	0	1	2736	4682	4724	5405	5367	90	18	0	1
2737	5367	5405	5987	5949	90	18	0	1	2738	5949	5987	7144	7145	90	18	0	1
2739	492	491	974	970	90	18	0	1	2740	970	974	1356	1352	90	18	0	1
2741	1352	1356	1720	1717	90	18	0	1	2742	1717	1720	2096	2087	90	18	0	1
2743	2087	2096	2458	2447	90	18	0	1	2744	2447	2458	2818	2809	90	18	0	1
2745	2809	2818	3182	3175	90	18	0	1	2746	3175	3182	3545	3542	90	18	0	1
2747	3542	3545	3936	3930	90	18	0	1	2748	3930	3936	4323	4321	90	18	0	1
2749	4321	4323	4729	4724	90	18	0	1	2750	4724	4729	5409	5405	90	18	0	1
2751	5405	5409	5993	5987	90	18	0	1	2752	5987	5993	7143	7144	90	18	0	1
2753	491	490	976	974	90	18	0	1	2754	974	976	1358	1356	90	18	0	1
2755	1356	1358	1730	1720	90	18	0	1	2756	1720	1730	2107	2096	90	18	0	1
2757	2096	2107	2467	2458	90	18	0	1	2758	2458	2467	2825	2818	90	18	0	1
2759	2818	2825	3186	3182	90	18	0	1	2760	3182	3186	3556	3545	90	18	0	1
2761	3545	3556	3941	3936	90	18	0	1	2762	3936	3941	4328	4323	90	18	0	1
2763	4323	4328	4737	4729	90	18	0	1	2764	4729	4737	5424	5409	90	18	0	1
2765	5409	5424	6001	5993	90	18	0	1	2766	5993	6001	7142	7143	90	18	0	1
2767	490	489	981	976	90	18	0	1	2768	976	981	1362	1358	90	18	0	1
2769	1358	1362	1740	1730	90	18	0	1	2770	1730	1740	2120	2107	90	18	0	1
2771	2107	2120	2478	2467	90	18	0	1	2772	2467	2478	2831	2825	90	18	0	1
2773	2825	2831	3195	3186	90	18	0	1	2774	3186	3195	3562	3556	90	18	0	1
2775	3556	3562	3943	3941	90	18	0	1	2776	3941	3943	4339	4328	90	18	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
								Ind.									Ind.
2777	4328	4339	4741	4737	90	18	0	1	2778	4737	4741	5436	5424	90	18	0	1
2779	5424	5436	6006	6001	90	18	0	1	2780	6001	6006	7141	7142	90	18	0	1
2781	489	488	991	981	90	18	0	1	2782	981	991	1374	1362	90	18	0	1
2783	1362	1374	1755	1740	90	18	0	1	2784	1740	1755	2130	2120	90	18	0	1
2785	2120	2130	2497	2478	90	18	0	1	2786	2478	2497	2850	2831	90	18	0	1
2787	2831	2850	3203	3195	90	18	0	1	2788	3195	3203	3569	3562	90	18	0	1
2789	3562	3569	3950	3943	90	18	0	1	2790	3943	3950	4346	4339	90	18	0	1
2791	4339	4346	4937	4741	90	18	0	1	2792	4741	4937	5513	5436	90	18	0	1
2793	5436	5513	6079	6006	90	18	0	1	2794	6006	6079	7140	7141	90	18	0	1
2795	488	487	1000	991	90	18	0	1	2796	991	1000	1388	1374	90	18	0	1
2797	1374	1388	1772	1755	90	18	0	1	2798	1755	1772	2144	2130	90	18	0	1
2799	2130	2144	2513	2497	90	18	0	1	2800	2497	2513	2876	2850	90	18	0	1
2801	2850	2876	3229	3203	90	18	0	1	2802	3203	3229	3601	3569	90	18	0	1
2803	3569	3601	3957	3950	90	18	0	1	2804	3950	3957	4356	4346	90	18	0	1
2805	4346	4356	4941	4937	90	18	0	1	2806	4937	4941	5515	5513	90	18	0	1
2807	5513	5515	6087	6079	90	18	0	1	2808	6079	6087	7139	7140	90	18	0	1
2809	487	486	1008	1000	90	18	0	1	2810	1000	1008	1397	1388	90	18	0	1
2811	1388	1397	1791	1772	90	18	0	1	2812	1772	1791	2165	2144	90	18	0	1
2813	2144	2165	2542	2513	90	18	0	1	2814	2513	2542	2924	2876	90	18	0	1
2815	2876	2924	3323	3229	90	18	0	1	2816	3229	3323	3710	3601	90	18	0	1
2817	3601	3710	4066	3957	90	18	0	1	2818	3957	4066	4365	4356	90	18	0	1
2819	4356	4365	4955	4941	90	18	0	1	2820	4941	4955	5521	5515	90	18	0	1
2821	5515	5521	6091	6087	90	18	0	1	2822	6087	6091	7138	7139	90	18	0	1
2823	486	485	1018	1008	90	18	0	1	2824	1008	1018	1412	1397	90	18	0	1
2825	1397	1412	1806	1791	90	18	0	1	2826	1791	1806	2210	2165	90	18	0	1
2827	2165	2210	2619	2542	90	18	0	1	2828	2542	2619	3017	2924	90	18	0	1
2829	2924	3017	3439	3323	90	18	0	1	2830	3323	3439	3932	3710	90	18	0	1
2831	3710	3932	4338	4066	90	18	0	1	2832	4066	4338	4440	4365	90	18	0	1
2833	4365	4440	4959	4955	90	18	0	1	2834	4955	4959	5525	5521	90	18	0	1
2835	5521	5525	6093	6091	90	18	0	1	2836	6091	6093	7137	7138	90	18	0	1
2837	485	484	1020	1018	90	18	0	1	2838	1018	1020	1413	1412	90	18	0	1
2839	1412	1413	1805	1806	90	18	0	1	2840	4338	4337	4472	4440	90	18	0	1
2841	4440	4472	4963	4959	90	18	0	1	2842	4959	4963	5527	5525	90	18	0	1
2843	5525	5527	6094	6093	90	18	0	1	2844	6093	6094	7136	7137	90	18	0	1
2845	484	483	1015	1020	90	18	0	1	2846	1020	1015	1406	1413	90	18	0	1
2847	1413	1406	1804	1805	90	18	0	1	2848	4337	4336	4420	4472	90	18	0	1
2849	4472	4420	4956	4963	90	18	0	1	2850	4963	4956	5523	5527	90	18	0	1
2851	5527	5523	6092	6094	90	18	0	1	2852	6094	6092	7135	7136	90	18	0	1
2853	483	482	1002	1015	90	18	0	1	2854	1015	1002	1393	1406	90	18	0	1
2855	1406	1393	1781	1804	90	18	0	1	2856	1804	1781	2156	2209	90	18	0	1
2857	2209	2156	2522	2618	90	18	0	1	2858	2618	2522	2899	3016	90	18	0	1
2859	3016	2899	3270	3438	90	18	0	1	2860	3438	3270	3658	3931	90	18	0	1
2861	3931	3658	4010	4336	90	18	0	1	2862	4336	4010	4361	4420	90	18	0	1
2863	4420	4361	4946	4956	90	18	0	1	2864	4956	4946	5516	5523	90	18	0	1
2865	5523	5516	6088	6092	90	18	0	1	2866	6092	6088	7134	7135	90	18	0	1
2867	482	481	986	1002	90	18	0	1	2868	1002	986	1367	1393	90	18	0	1
2869	1393	1367	1749	1781	90	18	0	1	2870	1781	1749	2124	2156	90	18	0	1
2871	2156	2124	2488	2522	90	18	0	1	2872	2522	2488	2841	2899	90	18	0	1
2873	2899	2841	3200	3270	90	18	0	1	2874	3270	3200	3567	3658	90	18	0	1
2875	3658	3567	3949	4010	90	18	0	1	2876	4010	3949	4344	4361	90	18	0	1
2877	4361	4344	4935	4946	90	18	0	1	2878	4946	4935	5506	5516	90	18	0	1
2879	5516	5506	6077	6088	90	18	0	1	2880	6088	6077	7133	7134	90	18	0	1
2881	481	480	930	986	90	18	0	1	2882	986	930	1313	1367	90	18	0	1
2883	1367	1313	1679	1749	90	18	0	1	2884	1749	1679	2047	2124	90	18	0	1
2885	2124	2047	2402	2488	90	18	0	1	2886	2488	2402	2763	2841	90	18	0	1
2887	2841	2763	3132	3200	90	18	0	1	2888	3200	3132	3502	3567	90	18	0	1
2889	3567	3502	3892	3949	90	18	0	1	2890	3949	3892	4276	4344	90	18	0	1
2891	4344	4276	4681	4935	90	18	0	1	2892	4935	4681	5366	5506	90	18	0	1
2893	5506	5366	5948	6077	90	18	0	1	2894	6077	5948	7132	7133	90	18	0	1
2895	480	478	891	930	90	18	0	1	2896	930	891	1271	1313	90	18	0	1
2897	1313	1271	1633	1679	90	18	0	1	2898	1679	1633	1993	2047	90	18	0	1
2899	2047	1993	2353	2402	90	18	0	1	2900	2402	2353	2711	2763	90	18	0	1
2901	2763	2711	3077	3132	90	18	0	1	2902	3132	3077	3448	3502	90	18	0	1
2903	3502	3448	3830	3892	90	18	0	1	2904	3892	3830	4217	4276	90	18	0	1
2905	4276	4217	4626	4681	90	18	0	1	2906	4681	4626	5308	5366	90	18	0	1
2907	5366	5308	5885	5948	90	18	0	1	2908	5948	5885	7131	7132	90	18	0	1
2909	478	477	880	891	90	18	0	1	2910	891	880	1261	1271	90	18	0	1
2911	1271	1261	1621	1633	90	18	0	1	2912	1633	1621	1973	1993	90	18	0	1
2913	1993	1973	2335	2353	90	18	0	1	2914	2353	2335	2693	2711	90	18	0	1
2915	2711	2693	3054	3077	90	18	0	1	2916	3077	3054	3423	3448	90	18	0	1
2917	3448	3423	3802	3830	90	18	0	1	2918	3830	3802	4189	4217	90	18	0	1
2919	4217	4189	4600	4626	90	18	0	1	2920	4626	4600	5278	5308	90	18	0	1
2921	5308	5278	5858	5885	90	18	0	1	2922	5885	5858	7130	7131	90	18	0	1
2923	477	476	873	880	90	18	0	1	2924	880	873	1250	1261	90	18	0	1
2925	1261	1250	1608	1621	90	18	0	1	2926	1621	1608	1958	1973	90	18	0	1
2927	1973	1958	2312	2335	90	18	0	1	2928	2335	2312	2673	2693	90	18	0	1
2929	2693	2673	3032	3054	90	18	0	1	2930	3054	3032	3393	3423	90	18	0	1
2931	3423	3393	3766	3802	90	18	0	1	2932	3802	3766	4151	4189	90	18	0	1
2933	4189	4151	4569	4600	90	18	0	1	2934	4600	4569	5252	5278	90	18	0	1
2935	5278	5252	5835	5858	90	18	0	1	2936	5858	5835	7129	7130	90	18	0	1
2937	476	475	862	873	90	18	0	1	2938	873	862	1236	1250	90	18	0	1
2939	1250	1236	1592	1608	90	18	0	1	2940	1608	1592	1943	1958	90	18	0	1
2941	1958	1943	2295	2312	90	18	0	1	2942	2312	2295	2654	2673	90	18	0	1
2943	2673	2654	3004	3032	90	18	0	1	2944	3032	3004	3371	3393	90	18	0	1
2945	3393	3371	3738	3766	90	18	0	1	2946	3766	3738	4129	4151	90	18	0	1
2947	4151	4129	4548	4569	90	18	0	1	2948	4569	4548	5226	5252	90	18	0	1
2949	5252	5226	5811	5835	90	18	0	1	2950	5835	5811	7128	7129	90	18	0	1
2951	475	474	846	862	90	18	0	1	2952	862	846	1224	1236	90	18	0	1
2953	1236	1224	1576	1592	90	18	0	1	2954	1592	1576	1927	1943	90	18	0	1
2955	1943	1927	2279	2295	90	18	0	1	2956	2295	2279	2635	2654	90	18	0	1
2957	2654	2635	2985	3004	90	18	0	1	2958	3004	2985	3342	3371	90	18	0	1
2959	3371	3342	3720	3738	90	18	0	1	2960	3738	3720	4106	4129	90	18	0	1
2961	4129	4106	4524	4548	90	18	0	1	2962	4548	4524	5189	5226	90	18	0	1
2963	5226	5189	5777	5811	90	18	0	1	2964	5811	5777	7127	7128	90	18	0	1
2965	474	473	834	846	90	18	0	1	2966	846	834	1210	1224	90	18	0	1
2967	1224	1210	1561	1576	90	18	0	1	2968	1576	1561	1913	1927	90	18	0	1
2969	1927	1913	2263	2279	90	18	0	1	2970	2279	2263	2612	2635	90	18	0	1
2971	2635	2612	2967	2985	90	18	0	1	2972	2985	2967	3322	3342	90	18	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
2973	3342	3322	3691	3720	90	18	0	1	2974	3720	3691	4073	4106	90	18	0	1
2975	4106	4073	4489	4524	90	18	0	1	2976	4524	4489	5153	5189	90	18	0	1
2977	5189	5153	5751	5777	90	18	0	1	2978	5777	5751	7126	7127	90	18	0	1
2979	473	472	819	834	90	18	0	1	2980	834	819	1197	1210	90	18	0	1
2981	1210	1197	1547	1561	90	18	0	1	2982	1561	1547	1898	1913	90	18	0	1
2983	1913	1898	2244	2263	90	18	0	1	2984	2263	2244	2593	2612	90	18	0	1
2985	2612	2593	2927	2967	90	18	0	1	2986	2967	2927	3284	3322	90	18	0	1
2987	3322	3284	3653	3691	90	18	0	1	2988	3691	3653	4036	4073	90	18	0	1
2989	4073	4036	4443	4489	90	18	0	1	2990	4489	4443	5045	5153	90	18	0	1
2991	5153	5045	5712	5751	90	18	0	1	2992	5751	5712	7125	7126	90	18	0	1
2993	472	471	802	819	90	18	0	1	2994	819	802	1173	1197	90	18	0	1
2995	1197	1173	1530	1547	90	18	0	1	2996	1547	1530	1884	1898	90	18	0	1
2997	1898	1884	2221	2244	90	18	0	1	2998	2244	2221	2560	2593	90	18	0	1
2999	2593	2560	2906	2927	90	18	0	1	3000	2927	2906	3256	3284	90	18	0	1
3001	3284	3256	3616	3653	90	18	0	1	3002	3653	3616	3978	4036	90	18	0	1
3003	4036	3978	4399	4443	90	18	0	1	3004	4443	4399	5028	5045	90	18	0	1
3005	5045	5028	5699	5712	90	18	0	1	3006	5712	5699	7124	7125	90	18	0	1
3007	471	470	776	802	90	18	0	1	3008	802	776	1155	1173	90	18	0	1
3009	1173	1155	1509	1530	90	18	0	1	3010	1530	1509	1850	1884	90	18	0	1
3011	1884	1850	2192	2221	90	18	0	1	3012	2221	2192	2538	2560	90	18	0	1
3013	2560	2538	2883	2906	90	18	0	1	3014	2906	2883	3228	3256	90	18	0	1
3015	3256	3228	3577	3616	90	18	0	1	3016	3616	3577	3960	3978	90	18	0	1
3017	3978	3960	4368	4399	90	18	0	1	3018	4399	4368	5021	5028	90	18	0	1
3019	5028	5021	5696	5699	90	18	0	1	3020	5699	5696	7123	7124	90	18	0	1
3021	470	469	747	776	90	18	0	1	3022	776	747	1126	1155	90	18	0	1
3023	1155	1126	1483	1509	90	18	0	1	3024	1509	1483	1822	1850	90	18	0	1
3025	1850	1822	2170	2192	90	18	0	1	3026	2192	2170	2519	2538	90	18	0	1
3027	2538	2519	2869	2883	90	18	0	1	3028	2883	2869	3210	3228	90	18	0	1
3029	3228	3210	3572	3577	90	18	0	1	3030	3577	3572	3952	3960	90	18	0	1
3031	3960	3952	4359	4368	90	18	0	1	3032	4368	4359	4996	5021	90	18	0	1
3033	5021	4996	5694	5696	90	18	0	1	3034	5696	5694	7122	7123	90	18	0	1
3035	469	468	712	747	90	18	0	1	3036	747	712	1083	1126	90	18	0	1
3037	1126	1083	1444	1483	90	18	0	1	3038	1483	1444	1802	1822	90	18	0	1
3039	1822	1802	2158	2170	90	18	0	1	3040	2170	2158	2508	2519	90	18	0	1
3041	2519	2508	2853	2869	90	18	0	1	3042	2869	2853	3198	3210	90	18	0	1
3043	3210	3198	3564	3572	90	18	0	1	3044	3572	3564	3944	3952	90	18	0	1
3045	3952	3944	4335	4359	90	18	0	1	3046	4359	4335	4967	4996	90	18	0	1
3047	4996	4967	5689	5694	90	18	0	1	3048	5694	5689	7121	7122	90	18	0	1
3049	4335	4334	4961	4967	90	18	0	1	3050	4967	4961	5687	5689	90	18	0	1
3051	5689	5687	7120	7121	90	18	0	1	3052	4334	4333	4960	4961	90	18	0	1
3053	4961	4960	5686	5687	90	18	0	1	3054	5687	5686	7119	7120	90	18	0	1
3055	4333	4332	4965	4960	90	18	0	1	3056	4960	4965	5688	5686	90	18	0	1
3057	5686	5688	7118	7119	90	18	0	1	3058	466	465	779	710	90	18	0	1
3059	710	779	1164	1081	90	18	0	1	3060	1081	1164	1555	1492	90	18	0	1
3061	1492	1555	1936	1890	90	18	0	1	3062	1890	1936	2331	2276	90	18	0	1
3063	2276	2331	2723	2669	90	18	0	1	3064	2669	2723	3180	3064	90	18	0	1
3065	3064	3180	3559	3540	90	18	0	1	3066	3540	3559	3947	3937	90	18	0	1
3067	3937	3947	4355	4332	90	18	0	1	3068	4332	4355	4988	4965	90	18	0	1
3069	4965	4988	5693	5688	90	18	0	1	3070	5688	5693	7117	7118	90	18	0	1
3071	465	464	852	779	90	18	0	1	3072	779	852	1237	1164	90	18	0	1
3073	1164	1237	1619	1555	90	18	0	1	3074	1555	1619	2001	1936	90	18	0	1
3075	1936	2001	2454	2331	90	18	0	1	3076	2331	2454	2824	2723	90	18	0	1
3077	2723	2824	3193	3180	90	18	0	1	3078	3180	3193	3566	3559	90	18	0	1
3079	3559	3566	3954	3947	90	18	0	1	3080	3947	3954	4363	4355	90	18	0	1
3081	4355	4363	5015	4988	90	18	0	1	3082	4988	5015	5695	5693	90	18	0	1
3083	5693	5695	7116	7117	90	18	0	1	3084	464	463	968	852	90	18	0	1
3085	852	968	1353	1237	90	18	0	1	3086	1237	1353	1724	1619	90	18	0	1
3087	1619	1724	2110	2001	90	18	0	1	3088	2001	2110	2476	2454	90	18	0	1
3089	2454	2476	2836	2824	90	18	0	1	3090	2824	2836	3201	3193	90	18	0	1
3091	3193	3201	3574	3566	90	18	0	1	3092	3566	3574	3959	3954	90	18	0	1
3093	3954	3959	4378	4363	90	18	0	1	3094	4363	4378	5024	5015	90	18	0	1
3095	5015	5024	5698	5695	90	18	0	1	3096	5695	5698	7115	7116	90	18	0	1
3097	463	462	983	968	90	18	0	1	3098	968	983	1366	1353	90	18	0	1
3099	1353	1366	1747	1724	90	18	0	1	3100	1724	1747	2127	2110	90	18	0	1
3101	2110	2127	2498	2476	90	18	0	1	3102	2476	2498	2856	2836	90	18	0	1
3103	2836	2856	3218	3201	90	18	0	1	3104	3201	3218	3603	3574	90	18	0	1
3105	3574	3603	3975	3959	90	18	0	1	3106	3959	3975	4407	4378	90	18	0	1
3107	4378	4407	5033	5024	90	18	0	1	3108	5024	5033	5701	5698	90	18	0	1
3109	5698	5701	7114	7115	90	18	0	1	3110	462	461	996	983	90	18	0	1
3111	983	996	1385	1366	90	18	0	1	3112	1366	1385	1765	1747	90	18	0	1
3113	1747	1765	2139	2127	90	18	0	1	3114	2127	2139	2510	2498	90	18	0	1
3115	2498	2510	2878	2856	90	18	0	1	3116	2856	2878	3251	3218	90	18	0	1
3117	3218	3251	3630	3603	90	18	0	1	3118	3603	3630	4043	3975	90	18	0	1
3119	3975	4043	4475	4407	90	18	0	1	3120	4407	4475	5146	5033	90	18	0	1
3121	5033	5146	5756	5701	90	18	0	1	3122	5701	5756	7113	7114	90	18	0	1
3123	468	467	711	712	90	18	0	1	3124	712	711	1082	1083	90	18	0	1
3125	467	466	710	711	90	18	0	1	3126	711	710	1081	1082	90	18	0	1
3127	6926	6946	5752	5755	65	13	0	1	3128	5755	5752	5130	5145	65	13	0	1
3129	5145	5130	4470	4474	65	13	0	1	3130	4474	4470	4037	4042	65	13	0	1
3131	4042	4037	3625	3629	65	13	0	1	3132	3629	3625	3246	3250	65	13	0	1
3133	3250	3246	2874	2877	65	13	0	1	3134	2877	2874	2507	2509	65	13	0	1
3135	2509	2507	2136	2138	65	13	0	1	3136	2138	2136	1762	1764	65	13	0	1
3137	1764	1762	1381	1384	65	13	0	1	3138	1384	1381	993	995	65	13	0	1
3139	995	993	348	330	65	13	0	1	3140	6946	6953	5746	5752	65	13	0	1
3141	5752	5746	5101	5130	65	13	0	1	3142	5130	5101	4464	4470	65	13	0	1
3143	4470	4464	4030	4037	65	13	0	1	3144	4037	4030	3622	3625	65	13	0	1
3145	3625	3622	3242	3246	65	13	0	1	3146	3246	3242	2871	2874	65	13	0	1
3147	2874	2871	2506	2507	65	13	0	1	3148	2507	2506	2135	2136	65	13	0	1
3149	2136	2135	1760	1762	65	13	0	1	3150	1762	1760	1379	1381	65	13	0	1
3151	1381	1379	992	993	65	13	0	1	3152	993	992	353	348	65	13	0	1
3153	6953	6965	5741	5746	65	13	0	1	3154	5746	5741	5076	5101	65	13	0	1
3155	5101	5076	4460	4464	65	13	0	1	3156	4464	4460	4024	4030	65	13	0	1
3157	4030	4024	3618	3622	65	13	0	1	3158	3622	3618	3230	3242	65	13	0	1
3159	3242	3230	2868	2871	65	13	0	1	3160	2871	2868	2503	2506	65	13	0	1
3161	2506	2503	2133	2135	65	13	0	1	3162	2135	2133	1757	1760	65	13	0	1
3163	1760	1757	1373	1379	65	13	0	1	3164	1379	1373	989	992	65	13	0	1
3165	992	989	357	353	65	13	0	1	3166	6965	6976	5737	5741	65	13	0	1
3167	5741	5737	5066	5076	65	13	0	1	3168	5076	5066	4455	4460	65	13	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
								Ind.									Ind.
3169	4460	4455	4019	4024	65	13	0	1	3170	4024	4019	3614	3618	65	13	0	1
3171	3618	3614	3227	3230	65	13	0	1	3172	3230	3227	2863	2868	65	13	0	1
3173	2868	2863	2501	2503	65	13	0	1	3174	2503	2501	2131	2133	65	13	0	1
3175	2133	2131	1751	1757	65	13	0	1	3176	1757	1751	1369	1373	65	13	0	1
3177	1373	1369	987	989	65	13	0	1	3178	989	987	361	357	65	13	0	1
3179	6976	6979	5734	5737	65	13	0	1	3180	5737	5734	5065	5066	65	13	0	1
3181	5066	5065	4449	4455	65	13	0	1	3182	4455	4449	4012	4019	65	13	0	1
3183	4019	4012	3613	3614	65	13	0	1	3184	3614	3613	3223	3227	65	13	0	1
3185	3227	3223	2858	2863	65	13	0	1	3186	2863	2858	2499	2501	65	13	0	1
3187	2501	2499	2126	2131	65	13	0	1	3188	2131	2126	1746	1751	65	13	0	1
3189	1751	1746	1364	1369	65	13	0	1	3190	1369	1364	982	987	65	13	0	1
3191	987	982	366	361	65	13	0	1	3192	6979	6985	5730	5734	65	13	0	1
3193	5734	5730	5060	5065	65	13	0	1	3194	5065	5060	4439	4449	65	13	0	1
3195	4449	4439	4004	4012	65	13	0	1	3196	4012	4004	3609	3613	65	13	0	1
3197	3613	3609	3220	3223	65	13	0	1	3198	3223	3220	2855	2858	65	13	0	1
3199	2858	2855	2495	2499	65	13	0	1	3200	2499	2495	2123	2126	65	13	0	1
3201	2126	2123	1741	1746	65	13	0	1	3202	1746	1741	1361	1364	65	13	0	1
3203	1364	1361	978	982	65	13	0	1	3204	982	978	371	366	65	13	0	1
3205	6985	6991	5728	5730	65	13	0	1	3206	5730	5728	5056	5060	65	13	0	1
3207	5060	5056	4433	4439	65	13	0	1	3208	4439	4433	3999	4004	65	13	0	1
3209	4004	3999	3608	3609	65	13	0	1	3210	3609	3608	3217	3220	65	13	0	1
3211	3220	3217	2852	2855	65	13	0	1	3212	2855	2852	2487	2495	65	13	0	1
3213	2495	2487	2119	2123	65	13	0	1	3214	2123	2119	1734	1741	65	13	0	1
3215	1741	1734	1357	1361	65	13	0	1	3216	1361	1357	972	978	65	13	0	1
3217	978	972	375	371	65	13	0	1	3218	6991	6999	5725	5728	65	13	0	1
3219	5728	5725	5053	5056	65	13	0	1	3220	5056	5053	4431	4433	65	13	0	1
3221	4433	4431	3988	3999	65	13	0	1	3222	3999	3988	3604	3608	65	13	0	1
3223	3608	3604	3214	3217	65	13	0	1	3224	3217	3214	2848	2852	65	13	0	1
3225	2852	2848	2480	2487	65	13	0	1	3226	2487	2480	2111	2119	65	13	0	1
3227	2119	2111	1718	1734	65	13	0	1	3228	1734	1718	1276	1357	65	13	0	1
3229	1357	1276	888	972	65	13	0	1	3230	972	888	379	375	65	13	0	1
3231	6999	7005	5722	5725	65	13	0	1	3232	5725	5722	5051	5053	65	13	0	1
3233	5053	5051	4428	4431	65	13	0	1	3234	4431	4428	3983	3988	65	13	0	1
3235	3988	3983	3600	3604	65	13	0	1	3236	3604	3600	3212	3214	65	13	0	1
3237	3214	3212	2842	2848	65	13	0	1	3238	2848	2842	2475	2480	65	13	0	1
3239	2480	2475	2093	2111	65	13	0	1	3240	2111	2093	1631	1718	65	13	0	1
3241	1718	1631	1241	1276	65	13	0	1	3242	1276	1241	849	888	65	13	0	1
3243	888	849	383	379	65	13	0	1	3244	7005	7017	5719	5722	65	13	0	1
3245	5722	5719	5048	5051	65	13	0	1	3246	5051	5048	4426	4428	65	13	0	1
3247	4428	4426	3980	3983	65	13	0	1	3248	3983	3980	3597	3600	65	13	0	1
3249	3600	3597	3206	3212	65	13	0	1	3250	3212	3206	2837	2842	65	13	0	1
3251	2842	2837	2464	2475	65	13	0	1	3252	2475	2464	1996	2093	65	13	0	1
3253	2093	1996	1578	1631	65	13	0	1	3254	1631	1578	1169	1241	65	13	0	1
3255	1241	1169	783	849	65	13	0	1	3256	849	783	405	383	65	13	0	1
3257	7017	7056	5717	5719	65	13	0	1	3258	5719	5717	5046	5048	65	13	0	1
3259	5048	5046	4424	4426	65	13	0	1	3260	4426	4424	3977	3980	65	13	0	1
3261	3980	3977	3595	3597	65	13	0	1	3262	3597	3595	3207	3206	65	13	0	1
3263	3206	3207	2833	2837	65	13	0	1	3264	2837	2833	2452	2464	65	13	0	1
3265	2464	2452	1953	1996	65	13	0	1	3266	1996	1953	1519	1578	65	13	0	1
3267	1578	1519	1074	1169	65	13	0	1	3268	1169	1074	703	783	65	13	0	1
3269	783	703	418	405	65	13	0	1	3270	7056	7064	5718	5717	65	13	0	1
3271	5717	5718	5047	5046	65	13	0	1	3272	5046	5047	4425	4424	65	13	0	1
3273	4424	4425	3979	3977	65	13	0	1	3274	3977	3979	3596	3595	65	13	0	1
3275	3595	3596	3208	3207	65	13	0	1	3276	7064	7074	5720	5718	65	13	0	1
3277	5718	5720	5049	5047	65	13	0	1	3278	5047	5049	4427	4425	65	13	0	1
3279	4425	4427	3981	3979	65	13	0	1	3280	3979	3981	3598	3596	65	13	0	1
3281	3596	3598	3209	3208	65	13	0	1	3282	7074	7082	5724	5720	65	13	0	1
3283	5720	5724	5052	5049	65	13	0	1	3284	5049	5052	4430	4427	65	13	0	1
3285	4427	4430	3985	3981	65	13	0	1	3286	3981	3985	3602	3598	65	13	0	1
3287	3598	3602	3211	3209	65	13	0	1	3288	3209	3211	2840	2834	65	13	0	1
3289	2834	2840	2472	2453	65	13	0	1	3290	2453	2472	2006	1954	65	13	0	1
3291	1954	2006	1584	1520	65	13	0	1	3292	1520	1584	1176	1079	65	13	0	1
3293	1079	1176	787	708	65	13	0	1	3294	708	787	439	432	65	13	0	1
3295	7082	7092	5729	5724	65	13	0	1	3296	5724	5729	5058	5052	65	13	0	1
3297	5052	5058	4435	4430	65	13	0	1	3298	4430	4435	3997	3985	65	13	0	1
3299	3985	3997	3606	3602	65	13	0	1	3300	3602	3606	3215	3211	65	13	0	1
3301	3211	3215	2847	2840	65	13	0	1	3302	2840	2847	2479	2472	65	13	0	1
3303	2472	2479	2102	2006	65	13	0	1	3304	2006	2102	1640	1584	65	13	0	1
3305	1584	1640	1256	1176	65	13	0	1	3306	1176	1256	863	787	65	13	0	1
3307	787	863	446	439	65	13	0	1	3308	7092	7100	5732	5729	65	13	0	1
3309	5729	5732	5063	5058	65	13	0	1	3310	5058	5063	4447	4435	65	13	0	1
3311	4435	4447	4008	3997	65	13	0	1	3312	3997	4008	3610	3606	65	13	0	1
3313	3606	3610	3221	3215	65	13	0	1	3314	3215	3221	2854	2847	65	13	0	1
3315	2847	2854	2490	2479	65	13	0	1	3316	2479	2490	2121	2102	65	13	0	1
3317	2102	2121	1731	1640	65	13	0	1	3318	1640	1731	1355	1256	65	13	0	1
3319	1256	1355	969	863	65	13	0	1	3320	863	969	453	446	65	13	0	1
3321	7100	7107	5738	5732	65	13	0	1	3322	5732	5738	5069	5063	65	13	0	1
3323	5063	5069	4456	4447	65	13	0	1	3324	4447	4456	4021	4008	65	13	0	1
3325	4008	4021	3615	3610	65	13	0	1	3326	3610	3615	3226	3221	65	13	0	1
3327	3221	3226	2859	2854	65	13	0	1	3328	2854	2859	2500	2490	65	13	0	1
3329	2490	2500	2128	2121	65	13	0	1	3330	2121	2128	1745	1731	65	13	0	1
3331	1731	1745	1363	1355	65	13	0	1	3332	1355	1363	980	969	65	13	0	1
3333	969	980	460	453	65	13	0	1	3334	7107	7125	5747	5738	65	13	0	1
3335	5738	5747	5103	5069	65	13	0	1	3336	5069	5103	4466	4456	65	13	0	1
3337	4456	4466	4031	4021	65	13	0	1	3338	4021	4031	3623	3615	65	13	0	1
3339	3615	3623	3241	3226	65	13	0	1	3340	3226	3241	2870	2859	65	13	0	1
3341	2859	2870	2504	2500	65	13	0	1	3342	2500	2504	2134	2128	65	13	0	1
3343	2128	2134	1759	1745	65	13	0	1	3344	1745	1759	1376	1363	65	13	0	1
3345	1363	1376	990	980	65	13	0	1	3346	980	990	636	460	65	13	0	1
3347	7125	7227	5757	5747	65	13	0	1	3348	5747	5757	5147	5103	65	13	0	1
3349	5103	5147	4476	4466	65	13	0	1	3350	4466	4476	4044	4031	65	13	0	1
3351	4031	4044	3631	3623	65	13	0	1	3352	3623	3631	3252	3241	65	13	0	1
3353	3241	3252	2879	2870	65	13	0	1	3354	2870	2879	2511	2504	65	13	0	1
3355	2504	2511	2140	2134	65	13	0	1	3356	2134	2140	1766	1759	65	13	0	1
3357	1759	1766	1386	1376	65	13	0	1	3358	1376	1386	997	990	65	13	0	1
3359	990	997	639	636	65	13	0	1	3360	432	425	706	708	65	13	0	1
3361	708	706	1076	1079	65	13	0	1	3362	425	418	703	706	65	13	0	1
3363	706	703	1074	1076	65	13	0	1	3364	392	382	750	702	95	19	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
								Ind.									Ind.
3365	702	750	1137	1073	95	19	0	1	3366	1073	1137	1512	1480	95	19	0	1
3367	1480	1512	1894	1872	95	19	0	1	3368	1872	1894	2268	2254	95	19	0	1
3369	2254	2268	2646	2637	95	19	0	1	3370	2637	2646	3022	3011	95	19	0	1
3371	3011	3022	3396	3388	95	19	0	1	3372	3388	3396	3781	3770	95	19	0	1
3373	3770	3781	4177	4169	95	19	0	1	3374	4169	4177	4595	4586	95	19	0	1
3375	4586	4595	5277	5270	95	19	0	1	3376	5270	5277	5860	5854	95	19	0	1
3377	5854	5860	7006	7020	95	19	0	1	3378	382	378	775	750	95	19	0	1
3379	750	775	1162	1137	95	19	0	1	3380	1137	1162	1533	1512	95	19	0	1
3381	1512	1533	1905	1894	95	19	0	1	3382	1894	1905	2277	2268	95	19	0	1
3383	2268	2277	2652	2646	95	19	0	1	3384	2646	2652	3028	3022	95	19	0	1
3385	3022	3028	3406	3396	95	19	0	1	3386	3396	3406	3787	3781	95	19	0	1
3387	3781	3787	4185	4177	95	19	0	1	3388	4177	4185	4604	4595	95	19	0	1
3389	4595	4604	5285	5277	95	19	0	1	3390	5277	5285	5867	5860	95	19	0	1
3391	5860	5867	7000	7006	95	19	0	1	3392	378	374	798	775	95	19	0	1
3393	775	798	1178	1162	95	19	0	1	3394	1162	1178	1548	1533	95	19	0	1
3395	1533	1548	1916	1905	95	19	0	1	3396	1905	1916	2288	2277	95	19	0	1
3397	2277	2288	2662	2652	95	19	0	1	3398	2652	2662	3034	3028	95	19	0	1
3399	3028	3034	3410	3406	95	19	0	1	3400	3406	3410	3800	3787	95	19	0	1
3401	3787	3800	4196	4185	95	19	0	1	3402	4185	4196	4610	4604	95	19	0	1
3403	4604	4610	5293	5285	95	19	0	1	3404	5285	5293	5873	5867	95	19	0	1
3405	5867	5873	6992	7000	95	19	0	1	3406	374	370	810	798	95	19	0	1
3407	798	810	1198	1178	95	19	0	1	3408	1178	1198	1560	1548	95	19	0	1
3409	1548	1560	1928	1916	95	19	0	1	3410	1916	1928	2296	2288	95	19	0	1
3411	2288	2296	2671	2662	95	19	0	1	3412	2662	2671	3042	3034	95	19	0	1
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3415	3800	3809	4201	4196	95	19	0	1	3416	4196	4201	4615	4610	95	19	0	1
3417	4610	4615	5298	5293	95	19	0	1	3418	5293	5298	5877	5873	95	19	0	1
3419	5873	5877	6986	6992	95	19	0	1	3420	370	364	824	810	95	19	0	1
3421	810	824	1211	1198	95	19	0	1	3422	1198	1211	1572	1560	95	19	0	1
3423	1560	1572	1935	1928	95	19	0	1	3424	1928	1935	2305	2296	95	19	0	1
3425	2296	2305	2680	2671	95	19	0	1	3426	2671	2680	3052	3042	95	19	0	1
3427	3042	3052	3428	3421	95	19	0	1	3428	3421	3428	3817	3809	95	19	0	1
3429	3809	3817	4208	4201	95	19	0	1	3430	4201	4208	4620	4615	95	19	0	1
3431	4615	4620	5301	5298	95	19	0	1	3432	5298	5301	5880	5877	95	19	0	1
3433	5877	5880	6980	6986	95	19	0	1	3434	364	360	843	824	95	19	0	1
3435	824	843	1225	1211	95	19	0	1	3436	1211	1225	1586	1572	95	19	0	1
3437	1572	1586	1955	1935	95	19	0	1	3438	1935	1955	2325	2305	95	19	0	1
3439	2305	2325	2690	2680	95	19	0	1	3440	2680	2690	3062	3052	95	19	0	1
3441	3052	3062	3441	3428	95	19	0	1	3442	3428	3441	3827	3817	95	19	0	1
3443	3817	3827	4216	4208	95	19	0	1	3444	4208	4216	4628	4620	95	19	0	1
3445	4620	4628	5312	5301	95	19	0	1	3446	5301	5312	5891	5880	95	19	0	1
3447	5880	5891	6969	6980	95	19	0	1	3448	360	356	860	843	95	19	0	1
3449	843	860	1239	1225	95	19	0	1	3450	1225	1239	1605	1586	95	19	0	1
3451	1586	1605	1964	1955	95	19	0	1	3452	1955	1964	2336	2325	95	19	0	1
3453	2325	2336	2699	2690	95	19	0	1	3454	2690	2699	3070	3062	95	19	0	1
3455	3062	3070	3447	3441	95	19	0	1	3456	3441	3447	3835	3827	95	19	0	1
3457	3827	3835	4223	4216	95	19	0	1	3458	4216	4223	4632	4628	95	19	0	1
3459	4628	4632	5317	5312	95	19	0	1	3460	5312	5317	5895	5891	95	19	0	1
3461	5891	5895	6963	6969	95	19	0	1	3462	356	352	874	860	95	19	0	1
3463	860	874	1258	1239	95	19	0	1	3464	1239	1258	1620	1605	95	19	0	1
3465	1605	1620	1977	1964	95	19	0	1	3466	1964	1977	2346	2336	95	19	0	1
3467	2336	2346	2709	2699	95	19	0	1	3468	2699	2709	3083	3070	95	19	0	1
3469	3070	3083	3457	3447	95	19	0	1	3470	3447	3457	3845	3835	95	19	0	1
3471	3835	3845	4228	4223	95	19	0	1	3472	4223	4228	4636	4632	95	19	0	1
3473	4632	4636	5322	5317	95	19	0	1	3474	5317	5322	5901	5895	95	19	0	1
3475	5895	5901	6951	6963	95	19	0	1	3476	352	347	887	874	95	19	0	1
3477	874	887	1268	1258	95	19	0	1	3478	1258	1268	1632	1620	95	19	0	1
3479	1620	1632	1998	1977	95	19	0	1	3480	1977	1998	2359	2346	95	19	0	1
3481	2346	2359	2720	2709	95	19	0	1	3482	2709	2720	3092	3083	95	19	0	1
3483	3083	3092	3463	3457	95	19	0	1	3484	3457	3463	3852	3845	95	19	0	1
3485	3845	3852	4233	4228	95	19	0	1	3486	4228	4233	4641	4636	95	19	0	1
3487	4636	4641	5326	5322	95	19	0	1	3488	5322	5326	5909	5901	95	19	0	1
3489	5901	5909	6944	6951	95	19	0	1	3490	347	338	921	887	95	19	0	1
3491	887	921	1304	1268	95	19	0	1	3492	1268	1304	1670	1632	95	19	0	1
3493	1632	1670	2038	1998	95	19	0	1	3494	1998	2038	2393	2359	95	19	0	1
3495	2359	2393	2754	2720	95	19	0	1	3496	2720	2754	3123	3092	95	19	0	1
3497	3092	3123	3493	3463	95	19	0	1	3498	3463	3493	3883	3852	95	19	0	1
3499	3852	3883	4267	4233	95	19	0	1	3500	4233	4267	4672	4641	95	19	0	1
3501	4641	4672	5357	5326	95	19	0	1	3502	5326	5357	5939	5909	95	19	0	1
3503	5909	5939	6934	6944	95	19	0	1	3504	1399	1790	1763	1377	95	19	0	1
3505	1790	2167	2145	1763	95	19	0	1	3506	2167	2551	2518	2145	95	19	0	1
3507	2551	2962	2903	2518	95	19	0	1	3508	2962	3361	3318	2903	95	19	0	1
3509	3361	3799	3740	3318	95	19	0	1	3510	3799	4318	4204	3740	95	19	0	1
3511	4318	4806	4733	4204	95	19	0	1	3512	4806	5445	5431	4733	95	19	0	1
3513	5445	6017	6084	5431	95	19	0	1	3514	6645	6664	6084	6017	95	19	0	1
3515	6664	6669	6007	6084	95	19	0	1	3516	6669	6674	5997	6007	95	19	0	1
3517	6674	6680	5906	5997	95	19	0	1	3518	6680	6685	5986	5906	95	19	0	1
3519	6685	6690	5995	5986	95	19	0	1	3520	6690	6694	5996	5995	95	19	0	1
3521	6698	6018	5996	6694	95	19	0	1	3522	6018	5446	5170	5996	95	19	0	1
3523	5446	4808	4738	5170	95	19	0	1	3524	4808	5446	5411	4739	95	19	0	1
3525	5446	6018	5998	5411	95	19	0	1	3526	6698	6850	5998	6018	95	19	0	1
3527	6850	6855	5849	5998	95	19	0	1	3528	6855	6863	5827	5849	95	19	0	1
3529	6863	6874	5801	5827	95	19	0	1	3530	6874	6891	5750	5801	95	19	0	1
3531	6891	6896	5764	5750	95	19	0	1	3532	6934	5939	5764	6896	95	19	0	1
3533	5939	5357	5032	5764	95	19	0	1	3534	5357	4672	4583	5032	95	19	0	1
3535	4672	4267	4319	4583	95	19	0	1	3536	4267	3883	3938	4319	95	19	0	1
3537	3883	3493	3552	3938	95	19	0	1	3538	3493	3123	3178	3552	95	19	0	1
3539	3123	2754	2803	3178	95	19	0	1	3540	2754	2393	2360	2803	95	19	0	1
3541	2393	2038	1990	2360	95	19	0	1	3542	2038	1670	1624	1990	95	19	0	1
3543	1670	1304	1240	1624	95	19	0	1	3544	1304	921	851	1240	95	19	0	1
3545	338	314	851	921	95	19	0	1	3546	314	308	812	851	95	19	0	1
3547	308	301	791	812	95	19	0	1	3548	301	295	767	791	95	19	0	1
3549	295	291	751	767	95	19	0	1	3550	291	288	781	751	95	19	0	1
3551	288	278	794	781	95	19	0	1	3552	278	273	809	794	95	19	0	1
3553	273	269	828	809	95	19	0	1	3554	269	265	842	828	95	19	0	1
3555	265	261	855	842	95	19	0	1	3556	261	253	865	855	95	19	0	1
3557	253	249	878	865	95	19	0	1	3558	249	245	971	878	95	19	0	1
3559	245	241	985	971	95	19	0	1	3560	227	1012	985	241	95	19	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
3561	1012	1399	1377	985	95	19	0	1	3562	842	855	1255	1231	95	19	0	1
3563	855	865	1262	1255	95	19	0	1	3564	865	878	1277	1262	95	19	0	1
3565	878	971	1360	1277	95	19	0	1	3566	971	985	1377	1360	95	19	0	1
3567	1231	1255	1627	1607	95	19	0	1	3568	1255	1262	1643	1627	95	19	0	1
3569	1262	1277	1725	1643	95	19	0	1	3570	1277	1360	1738	1725	95	19	0	1
3571	1360	1377	1763	1738	95	19	0	1	3572	1607	1627	2088	1988	95	19	0	1
3573	1627	1643	2104	2088	95	19	0	1	3574	1643	1725	2117	2104	95	19	0	1
3575	1725	1738	2129	2117	95	19	0	1	3576	1738	1763	2145	2129	95	19	0	1
3577	1988	2088	2468	2451	95	19	0	1	3578	2088	2104	2477	2468	95	19	0	1
3579	2104	2117	2489	2477	95	19	0	1	3580	2117	2129	2502	2489	95	19	0	1
3581	2129	2145	2518	2502	95	19	0	1	3582	2451	2468	2835	2828	95	19	0	1
3583	2468	2477	2844	2835	95	19	0	1	3584	2477	2489	2857	2844	95	19	0	1
3585	2489	2502	2875	2857	95	19	0	1	3586	2502	2518	2903	2875	95	19	0	1
3587	2828	2835	3205	3199	95	19	0	1	3588	2835	2844	3216	3205	95	19	0	1
3589	2844	2857	3240	3216	95	19	0	1	3590	2857	2875	3264	3240	95	19	0	1
3591	2875	2903	3318	3264	95	19	0	1	3592	3199	3205	3607	3578	95	19	0	1
3593	3205	3216	3619	3607	95	19	0	1	3594	3216	3240	3655	3619	95	19	0	1
3595	3240	3264	3703	3655	95	19	0	1	3596	3264	3318	3740	3703	95	19	0	1
3597	3578	3607	4049	4009	95	19	0	1	3598	3607	3619	4086	4049	95	19	0	1
3599	3619	3655	4115	4086	95	19	0	1	3600	3655	3703	4146	4115	95	19	0	1
3601	3703	3740	4204	4146	95	19	0	1	3602	4009	4049	4558	4450	95	19	0	1
3603	4049	4086	4589	4558	95	19	0	1	3604	4086	4115	4611	4589	95	19	0	1
3605	4115	4146	4637	4611	95	19	0	1	3606	4146	4204	4733	4637	95	19	0	1
3607	4450	4558	5224	5029	95	19	0	1	3608	4558	4589	5292	5224	95	19	0	1
3609	4589	4611	5329	5292	95	19	0	1	3610	4611	4637	5412	5329	95	19	0	1
3611	4637	4733	5431	5412	95	19	0	1	3612	5029	5224	5986	5995	95	19	0	1
3613	5224	5292	5906	5986	95	19	0	1	3614	5292	5329	5997	5906	95	19	0	1
3615	5329	5412	6007	5997	95	19	0	1	3616	5412	5431	6084	6007	95	19	0	1
3617	3178	2803	2806	3185	95	19	0	1	3618	2803	2360	2351	2806	95	19	0	1
3619	2360	1990	1970	2351	95	19	0	1	3620	1990	1624	1601	1970	95	19	0	1
3621	1624	1240	1218	1601	95	19	0	1	3622	1240	851	812	1218	95	19	0	1
3623	3185	2806	2808	3189	95	19	0	1	3624	2806	2351	2342	2808	95	19	0	1
3625	2351	1970	1957	2342	95	19	0	1	3626	1970	1601	1580	1957	95	19	0	1
3627	1601	1218	1199	1580	95	19	0	1	3628	1218	812	791	1199	95	19	0	1
3629	3189	2808	2810	3192	95	19	0	1	3630	2808	2342	2337	2810	95	19	0	1
3631	2342	1957	1948	2337	95	19	0	1	3632	1957	1580	1571	1948	95	19	0	1
3633	1580	1199	1194	1571	95	19	0	1	3634	1199	791	767	1194	95	19	0	1
3635	3192	2810	2807	3191	95	19	0	1	3636	2810	2337	2328	2807	95	19	0	1
3637	2337	1948	1938	2328	95	19	0	1	3638	1948	1571	1564	1938	95	19	0	1
3639	1571	1194	1182	1564	95	19	0	1	3640	1194	767	751	1182	95	19	0	1
3641	3191	2807	2719	3188	95	19	0	1	3642	2807	2328	2306	2719	95	19	0	1
3643	2328	1938	1924	2306	95	19	0	1	3644	1938	1564	1556	1924	95	19	0	1
3645	1564	1182	1183	1556	95	19	0	1	3646	1182	751	781	1183	95	19	0	1
3647	3188	2719	2688	3173	95	19	0	1	3648	2719	2306	2289	2688	95	19	0	1
3649	2306	1924	1914	2289	95	19	0	1	3650	1924	1556	1552	1914	95	19	0	1
3651	1556	1183	1187	1552	95	19	0	1	3652	1183	781	794	1187	95	19	0	1
3653	3173	2688	2718	3177	95	19	0	1	3654	2688	2289	2322	2718	95	19	0	1
3655	2289	1914	1940	2322	95	19	0	1	3656	1914	1552	1567	1940	95	19	0	1
3657	1552	1187	1203	1567	95	19	0	1	3658	1187	794	809	1203	95	19	0	1
3659	3177	2718	2820	3196	95	19	0	1	3660	2718	2322	2355	2820	95	19	0	1
3661	2322	1940	1965	2355	95	19	0	1	3662	1940	1567	1590	1965	95	19	0	1
3663	1567	1203	1216	1590	95	19	0	1	3664	1203	809	828	1216	95	19	0	1
3665	3196	2820	2828	3199	95	19	0	1	3666	2820	2355	2451	2828	95	19	0	1
3667	2355	1965	1988	2451	95	19	0	1	3668	1965	1590	1607	1988	95	19	0	1
3669	1590	1216	1231	1607	95	19	0	1	3670	1216	828	842	1231	95	19	0	1
3671	5029	5995	5996	5170	95	19	0	1	3672	4405	4395	4942	4950	95	19	0	1
3673	5029	5170	4950	4942	95	19	0	1	3674	4395	4450	5029	4942	95	19	0	1
3675	5170	4738	4405	4950	95	19	0	1	3676	4014	4009	4450	4395	95	19	0	1
3677	4121	4014	4395	4405	95	19	0	1	3678	4380	4340	4331	4362	95	19	0	1
3679	4121	4405	4362	4331	95	19	0	1	3680	4340	3987	4121	4331	95	19	0	1
3681	4405	4738	4380	4362	95	19	0	1	3682	4738	4808	4421	4380	95	19	0	1
3683	4380	4421	4352	4340	95	19	0	1	3684	4340	4352	3964	3987	95	19	0	1
3685	3599	3196	3199	3578	95	19	0	1	3686	3578	4009	4014	3599	95	19	0	1
3687	3789	3558	3599	3934	95	19	0	1	3688	3599	4014	4121	3934	95	19	0	1
3689	4121	3987	3789	3934	95	19	0	1	3690	3558	3177	3196	3599	95	19	0	1
3691	3987	3964	3771	3789	95	19	0	1	3692	3789	3771	3555	3558	95	19	0	1
3693	3558	3555	3173	3177	95	19	0	1	3694	5027	4448	4510	5163	95	19	0	1
3695	5163	5801	5750	5027	95	19	0	1	3696	4530	4479	4944	4949	95	19	0	1
3697	5027	5032	4949	4944	95	19	0	1	3698	4479	4448	5027	4944	95	19	0	1
3699	5032	4583	4530	4949	95	19	0	1	3700	5027	5750	5764	5032	95	19	0	1
3701	3552	3178	3185	3561	95	19	0	1	3702	3561	3185	3189	3568	95	19	0	1
3703	3568	3189	3192	3571	95	19	0	1	3704	4530	4583	4319	4326	95	19	0	1
3705	4326	4319	3938	3946	95	19	0	1	3706	3946	3938	3552	3561	95	19	0	1
3707	3568	3571	3974	3986	95	19	0	1	3708	3986	3946	3561	3568	95	19	0	1
3709	4479	4530	4326	4342	95	19	0	1	3710	4326	3946	3986	4342	95	19	0	1
3711	3986	4448	4479	4342	95	19	0	1	3712	3986	3974	4510	4448	95	19	0	1
3713	3963	3962	3573	3576	95	19	0	1	3714	3962	3974	3571	3573	95	19	0	1
3715	3576	3573	3191	3188	95	19	0	1	3716	3573	3571	3192	3191	95	19	0	1
3717	3771	3964	3965	3836	95	19	0	1	3718	3965	3963	3576	3836	95	19	0	1
3719	3576	3555	3771	3836	95	19	0	1	3720	3576	3188	3173	3555	95	19	0	1
3721	5827	5801	5163	5184	95	19	0	1	3722	5184	5163	4510	4469	95	19	0	1
3723	4469	4510	3974	3962	95	19	0	1	3724	5227	5411	5998	5849	95	19	0	1
3725	5849	5827	5184	5227	95	19	0	1	3726	4438	5227	5184	4469	95	19	0	1
3727	4469	3962	3963	4438	95	19	0	1	3728	4739	5411	5227	4438	95	19	0	1
3729	3965	3964	4352	4343	95	19	0	1	3730	4352	4739	4438	4343	95	19	0	1
3731	4438	3963	3965	4343	95	19	0	1	3732	4352	4421	4808	4739	95	19	0	1
3733	7132	5948	5905	7108	65	13	0	2	3734	7108	5905	5893	7101	65	13	0	2
3735	7101	5893	5884	7093	65	13	0	2	3736	7093	5884	5876	7083	65	13	0	2
3737	7083	5876	5872	7075	65	13	0	1	3738	7075	5872	5864	7067	65	13	0	1
3739	7067	5864	5857	7059	65	13	0	2	3740	7059	5857	5853	7019	65	13	0	2
3741	5948	5366	5324	5905	65	13	0	2	3742	5905	5324	5314	5893	65	13	0	2
3743	5893	5314	5302	5884	65	13	0	2	3744	5884	5302	5296	5876	65	13	0	2
3745	5876	5296	5288	5872	65	13	0	1	3746	5872	5288	5283	5864	65	13	0	1
3747	5864	5283	5275	5857	65	13	0	2	3748	5857	5275	5269	5853	65	13	0	2
3749	5366	4681	4639	5324	65	13	0	2	3750	5324	4639	4630	5314	65	13	0	2
3751	5314	4630	4618	5302	65	13	0	2	3752	5302	4618	4613	5296	65	13	0	2
3753	5296	4613	4605	5288	65	13	0	1	3754	5288	4605	4597	5283	65	13	0	1
3755	5283	4597	4592	5275	65	13	0	2	3756	5275	4592	4585	5269	65	13	0	2

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
								Ind.									Ind.
3757	4681	4276	4229	4639	65	13	0	2	3758	4639	4229	4218	4630	65	13	0	2
3759	4630	4218	4203	4618	65	13	0	2	3760	4618	4203	4197	4613	65	13	0	2
3761	4613	4197	4184	4605	65	13	0	1	3762	4605	4184	4178	4597	65	13	0	1
3763	4597	4178	4174	4592	65	13	0	2	3764	4592	4174	4168	4585	65	13	0	2
3765	4276	3892	3843	4229	65	13	0	2	3766	4229	3843	3824	4218	65	13	0	2
3767	4218	3824	3810	4203	65	13	0	2	3768	4203	3810	3792	4197	65	13	0	2
3769	4197	3792	3785	4184	65	13	0	1	3770	4184	3785	3780	4178	65	13	0	1
3771	4178	3780	3773	4174	65	13	0	2	3772	4174	3773	3769	4168	65	13	0	2
3773	3892	3502	3453	3843	65	13	0	2	3774	3843	3453	3435	3824	65	13	0	2
3775	3824	3435	3416	3810	65	13	0	2	3776	3810	3416	3405	3792	65	13	0	2
3777	3792	3405	3397	3785	65	13	0	1	3778	3785	3397	3391	3780	65	13	0	1
3779	3780	3391	3389	3773	65	13	0	2	3780	3773	3389	3387	3769	65	13	0	2
3781	3502	3132	3079	3453	65	13	0	2	3782	3453	3079	3057	3435	65	13	0	2
3783	3435	3057	3036	3416	65	13	0	2	3784	3416	3036	3015	3405	65	13	0	2
3785	3405	3015	3014	3397	65	13	0	1	3786	3397	3014	3013	3391	65	13	0	1
3787	3391	3013	3012	3389	65	13	0	2	3788	3389	3012	3010	3387	65	13	0	2
3789	3132	2763	2707	3079	65	13	0	2	3790	3079	2707	2683	3057	65	13	0	2
3791	3057	2683	2659	3036	65	13	0	2	3792	3036	2659	2640	3015	65	13	0	2
3793	2763	2402	2341	2707	65	13	0	2	3794	2707	2341	2309	2683	65	13	0	2
3795	2683	2309	2284	2659	65	13	0	2	3796	2659	2284	2257	2640	65	13	0	2
3797	2402	2047	1974	2341	65	13	0	2	3798	2341	1974	1939	2309	65	13	0	2
3799	2309	1939	1909	2284	65	13	0	2	3800	2284	1909	1875	2257	65	13	0	2
3801	2047	1679	1617	1974	65	13	0	2	3802	1974	1617	1573	1939	65	13	0	2
3803	1939	1573	1532	1909	65	13	0	2	3804	1909	1532	1482	1875	65	13	0	2
3805	1679	1313	1252	1617	65	13	0	2	3806	1617	1252	1206	1573	65	13	0	2
3807	1573	1206	1149	1532	65	13	0	2	3808	1532	1149	1080	1482	65	13	0	2
3809	1313	930	870	1252	65	13	0	2	3810	1252	870	821	1206	65	13	0	2
3811	1206	821	764	1149	65	13	0	2	3812	1149	764	709	1080	65	13	0	2
3813	930	480	456	870	65	13	0	2	3814	870	456	451	821	65	13	0	2
3815	821	451	444	764	65	13	0	2	3816	764	444	437	709	65	13	0	2
3817	1075	1077	705	704	65	13	0	1	3818	1077	1078	707	705	65	13	0	1
3819	1078	1080	709	707	65	13	0	1	3820	704	705	423	416	65	13	0	1
3821	705	707	430	423	65	13	0	1	3822	707	709	437	430	65	13	0	1
3823	1072	1099	731	701	65	13	0	2	3824	1099	1075	704	731	65	13	0	2
3825	701	731	410	390	65	13	0	2	3826	731	704	416	410	65	13	0	2
3827	1072	1479	1491	1099	65	13	0	2	3828	1099	1491	1481	1075	65	13	0	2
3829	1479	1871	1873	1491	65	13	0	2	3830	1491	1873	1874	1481	65	13	0	2
3831	1871	2253	2255	1873	65	13	0	2	3832	1873	2255	2256	1874	65	13	0	2
3833	2253	2636	2638	2255	65	13	0	2	3834	2255	2638	2639	2256	65	13	0	2
3835	2636	3010	3012	2638	65	13	0	2	3836	2638	3012	3013	2639	65	13	0	2
3837	404	922	890	403	85	17	0	1	3838	403	890	877	402	85	17	0	1
3839	402	877	867	401	85	17	0	1	3840	401	867	856	400	85	17	0	1
3841	400	856	839	399	85	17	0	1	3842	399	839	826	398	85	17	0	1
3843	398	826	817	397	85	17	0	1	3844	397	817	803	396	85	17	0	1
3845	396	803	788	395	85	17	0	1	3846	395	788	770	394	85	17	0	1
3847	394	770	748	393	85	17	0	1	3848	393	748	702	392	85	17	0	1
3849	922	1305	1270	890	85	17	0	1	3850	890	1270	1260	877	85	17	0	1
3851	877	1260	1247	867	85	17	0	1	3852	867	1247	1235	856	85	17	0	1
3853	856	1235	1223	839	85	17	0	1	3854	839	1223	1212	826	85	17	0	1
3855	826	1212	1202	817	85	17	0	1	3856	817	1202	1188	803	85	17	0	1
3857	803	1188	1170	788	85	17	0	1	3858	788	1170	1158	770	85	17	0	1
3859	770	1158	1135	748	85	17	0	1	3860	748	1135	1073	702	85	17	0	1
3861	1305	1671	1636	1270	85	17	0	1	3862	1270	1636	1625	1260	85	17	0	1
3863	1260	1625	1615	1247	85	17	0	1	3864	1247	1615	1599	1235	85	17	0	1
3865	1235	1599	1583	1223	85	17	0	1	3866	1223	1583	1574	1212	85	17	0	1
3867	1212	1574	1562	1202	85	17	0	1	3868	1202	1562	1553	1188	85	17	0	1
3869	1188	1553	1542	1170	85	17	0	1	3870	1170	1542	1526	1158	85	17	0	1
3871	1158	1526	1510	1135	85	17	0	1	3872	1135	1510	1480	1073	85	17	0	1
3873	1671	2039	2000	1636	85	17	0	1	3874	1636	2000	1980	1625	85	17	0	1
3875	1625	1980	1971	1615	85	17	0	1	3876	1615	1971	1960	1599	85	17	0	1
3877	1599	1960	1951	1583	85	17	0	1	3878	1583	1951	1937	1574	85	17	0	1
3879	1574	1937	1929	1562	85	17	0	1	3880	1562	1929	1921	1553	85	17	0	1
3881	1553	1921	1910	1542	85	17	0	1	3882	1542	1910	1902	1526	85	17	0	1
3883	1526	1902	1892	1510	85	17	0	1	3884	1510	1892	1872	1480	85	17	0	1
3885	2039	2394	2361	2000	85	17	0	1	3886	2000	2361	2349	1980	85	17	0	1
3887	1980	2349	2339	1971	85	17	0	1	3888	1971	2339	2330	1960	85	17	0	1
3889	1960	2330	2320	1951	85	17	0	1	3890	1951	2320	2307	1937	85	17	0	1
3891	1937	2307	2298	1929	85	17	0	1	3892	1929	2298	2291	1921	85	17	0	1
3893	1921	2291	2282	1910	85	17	0	1	3894	1910	2282	2274	1902	85	17	0	1
3895	1902	2274	2264	1892	85	17	0	1	3896	1892	2264	2254	1872	85	17	0	1
3897	2394	2755	2722	2361	85	17	0	1	3898	2361	2722	2715	2349	85	17	0	1
3899	2349	2715	2705	2339	85	17	0	1	3900	2339	2705	2696	2330	85	17	0	1
3901	2330	2696	2689	2320	85	17	0	1	3902	2320	2689	2681	2307	85	17	0	1
3903	2307	2681	2674	2298	85	17	0	1	3904	2298	2674	2665	2291	85	17	0	1
3905	2291	2665	2657	2282	85	17	0	1	3906	2282	2657	2650	2274	85	17	0	1
3907	2274	2650	2644	2264	85	17	0	1	3908	2264	2644	2637	2254	85	17	0	1
3909	2755	3124	3093	2722	85	17	0	1	3910	2722	3093	3086	2715	85	17	0	1
3911	2715	3086	3076	2705	85	17	0	1	3912	2705	3076	3068	2696	85	17	0	1
3913	2696	3068	3061	2689	85	17	0	1	3914	2689	3061	3053	2681	85	17	0	1
3915	2681	3053	3045	2674	85	17	0	1	3916	2674	3045	3039	2665	85	17	0	1
3917	2665	3039	3031	2657	85	17	0	1	3918	2657	3031	3024	2650	85	17	0	1
3919	2650	3024	3019	2644	85	17	0	1	3920	2644	3019	3011	2637	85	17	0	1
3921	3124	3494	3465	3093	85	17	0	1	3922	3093	3465	3460	3086	85	17	0	1
3923	3086	3460	3452	3076	85	17	0	1	3924	3076	3452	3445	3068	85	17	0	1
3925	3068	3445	3440	3061	85	17	0	1	3926	3061	3440	3430	3053	85	17	0	1
3927	3053	3430	3424	3045	85	17	0	1	3928	3045	3424	3413	3039	85	17	0	1
3929	3039	3413	3409	3031	85	17	0	1	3930	3031	3409	3402	3024	85	17	0	1
3931	3024	3402	3394	3019	85	17	0	1	3932	3019	3394	3388	3011	85	17	0	1
3933	3494	3884	3853	3465	85	17	0	1	3934	3465	3853	3849	3460	85	17	0	1
3935	3460	3849	3839	3452	85	17	0	1	3936	3452	3839	3831	3445	85	17	0	1
3937	3445	3831	3825	3440	85	17	0	1	3938	3440	3825	3818	3430	85	17	0	1
3939	3430	3818	3813	3424	85	17	0	1	3940	3424	3813	3805	3413	85	17	0	1
3941	3413	3805	3790	3409	85	17	0	1	3942	3409	3790	3786	3402	85	17	0	1
3943	3402	3786	3779	3394	85	17	0	1	3944	3394	3779	3770	3388	85	17	0	1
3945	3884	4268	4235	3853	85	17	0	1	3946	3853	4235	4231	3849	85	17	0	1
3947	3849	4231	4226	3839	85	17	0	1	3948	3839	4226	4221	3831	85	17	0	1
3949	3831	4221	4213	3825	85	17	0	1	3950	3825	4213	4209	3818	85	17	0	1
3951	3818	4209	4202	3813	85	17	0	1	3952	3813	4202	4198	3805	85	17	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
								Ind.									Ind.
3953	3805	4198	4192	3790	85	17	0	1	3954	3790	4192	4182	3786	85	17	0	1
3955	3786	4182	4175	3779	85	17	0	1	3956	3779	4175	4169	3770	85	17	0	1
3957	4268	4673	4643	4235	85	17	0	1	3958	4235	4643	4640	4231	85	17	0	1
3959	4231	4640	4635	4226	85	17	0	1	3960	4226	4635	4631	4221	85	17	0	1
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4139	3455	3436	3821	3841	60	12	0	1	4140	3841	3821	4210	4227	60	12	0	1
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4145	641	643	848	869	60	12	0	1	4146	869	848	1233	1249	60	12	0	1
4147	1249	1233	1591	1612	60	12	0	1	4148	1612	1591	1950	1968	60	12	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
4149	1968	1950	2310	2334	60	12	0	1	4150	2334	2310	2678	2694	60	12	0	1
4151	2694	2678	3044	3063	60	12	0	1	4152	3063	3044	3415	3436	60	12	0	1
4153	3436	3415	3801	3821	60	12	0	1	4154	3821	3801	4193	4210	60	12	0	1
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4159	643	645	829	848	60	12	0	1	4160	848	829	1213	1233	60	12	0	1
4161	1233	1213	1570	1591	60	12	0	1	4162	1591	1570	1932	1950	60	12	0	1
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4173	645	647	811	829	60	12	0	1	4174	829	811	1196	1213	60	12	0	1
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4177	1932	1918	2280	2294	60	12	0	1	4178	2294	2280	2648	2663	60	12	0	1
4179	2663	2648	3007	3029	60	12	0	1	4180	3029	3007	3377	3398	60	12	0	1
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4185	5271	5260	5842	5855	60	12	0	1	4186	5855	5842	7235	7233	60	12	0	1
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4189	1196	1174	1538	1557	60	12	0	1	4190	1557	1538	1904	1918	60	12	0	1
4191	1918	1904	2267	2280	60	12	0	1	4192	2280	2267	2628	2648	60	12	0	1
4193	2648	2628	2994	3007	60	12	0	1	4194	3007	2994	3353	3377	60	12	0	1
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4305	4504	4068	4076	4509	60	12	0	1	4306	4509	4076	4085	4514	60	12	0	1
4307	4514	4085	4091	4518	60	12	0	1	4308	4518	4091	4092	4522	60	12	0	1
4309	4522	4092	4094	4523	60	12	0	2	4310	4523	4094	4095	4521	60	12	0	2
4311	4313	3929	3811	4205	60	12	0	2	4312	4205	3811	3755	4162	60	12	0	2
4313	4162	3755	3724	4135	60	12	0	2	4314	4135	3724	3709	4116	60	12	0	1
4315	4116	3709	3699	4104	60	12	0	1	4316	4104	3699	3671	4087	60	12	0	1
4317	4087	3671	3654	4077	60	12	0	1	4318	4077	3654	3642	4069	60	12	0	1
4319	4069	3642	3635	4064	60	12	0	1	4320	4064	3635	3637	4063	60	12	0	1
4321	4063	3637	3644	4068	60	12	0	1	4322	4068	3644	3664	4076	60	12	0	1
4323	4076	3664	3684	4085	60	12	0	1	4324	4085	3684	3690	4091	60	12	0	1
4325	4091	3690	3693	4092	60	12	0	1	4326	4092	3693	3695	4094	60	12	0	2
4327	4094	3695	3696	4095	60	12	0	2	4328	3929	3539	3420	3811	60	12	0	2
4329	3811	3420	3357	3755	60	12	0	2	4330	3755	3357	3302	3724	60	12	0	2
4331	3724	3302	3301	3709	60	12	0	1	4332	3709	3301	3300	3699	60	12	0	1
4333	3699	3300	3261	3671	60	12	0	1	4334	3671	3261	3249	3654	60	12	0	1
4335	3654	3249	3245	3642	60	12	0	1	4336	3642	3245	3243	3635	60	12	0	1
4337	3635	3243	3244	3637	60	12	0	1	4338	3637	3244	3247	3644	60	12	0	1
4339	3644	3247	3257	3664	60	12	0	1	4340	3664	3257	3299	3684	60	12	0	1
4341	3684	3299	3298	3690	60	12	0	1	4342	3690	3298	3297	3693	60	12	0	1
4343	3693	3297	3296	3695	60	12	0	2	4344	3695	3296	3295	3696	60	12	0	2

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
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4347	3357	2995	2932	3302	60	12	0	2	4348	3300	2873	2867	3261	60	12	0	1
4349	3261	2867	2865	3249	60	12	0	1	4350	3249	2865	2862	3245	60	12	0	1
4351	3245	2862	2861	3243	60	12	0	1	4352	3243	2861	2860	3244	60	12	0	1
4353	3244	2860	2864	3247	60	12	0	1	4354	3247	2864	2866	3257	60	12	0	1
4355	3257	2866	2872	3299	60	12	0	1	4356	3169	2800	2679	3047	60	12	0	2
4357	3047	2679	2629	2995	60	12	0	2	4358	2995	2629	2580	2932	60	12	0	2
4359	2873	2483	2486	2867	60	12	0	1	4360	2867	2486	2492	2865	60	12	0	1
4361	2865	2492	2494	2862	60	12	0	1	4362	2862	2494	2496	2861	60	12	0	1
4363	2861	2496	2493	2860	60	12	0	1	4364	2860	2493	2491	2864	60	12	0	1
4365	2864	2491	2485	2866	60	12	0	1	4366	2866	2485	2482	2872	60	12	0	1
4367	2800	2439	2311	2679	60	12	0	2	4368	2679	2311	2265	2629	60	12	0	2
4369	2629	2265	2214	2580	60	12	0	2	4370	2483	2005	2100	2486	60	12	0	1
4371	2486	2100	2113	2492	60	12	0	1	4372	2492	2113	2116	2494	60	12	0	1
4373	2494	2116	2118	2496	60	12	0	1	4374	2496	2118	2115	2493	60	12	0	1
4375	2493	2115	2112	2491	60	12	0	1	4376	2491	2112	2099	2485	60	12	0	1
4377	2485	2099	2004	2482	60	12	0	1	4378	2439	2084	1949	2311	60	12	0	2
4379	2311	1949	1901	2265	60	12	0	2	4380	2265	1901	1839	2214	60	12	0	2
4381	2005	1540	1604	2100	60	12	0	1	4382	2100	1604	1642	2113	60	12	0	1
4383	2113	1642	1722	2116	60	12	0	1	4384	2116	1722	1726	2118	60	12	0	1
4385	2118	1726	1721	2115	60	12	0	1	4386	2115	1721	1641	2112	60	12	0	1
4387	2112	1641	1603	2099	60	12	0	1	4388	2099	1603	1539	2004	60	12	0	1
4389	2084	1716	1585	1949	60	12	0	2	4390	1949	1585	1528	1901	60	12	0	2
4391	1901	1528	1464	1839	60	12	0	2	4392	1540	1090	1181	1604	60	12	0	1
4393	1604	1181	1248	1642	60	12	0	1	4394	1642	1248	1274	1722	60	12	0	1
4395	1722	1274	1351	1726	60	12	0	1	4396	1726	1351	1273	1721	60	12	0	1
4397	1721	1273	1246	1641	60	12	0	1	4398	1641	1246	1180	1603	60	12	0	1
4399	1603	1180	1089	1539	60	12	0	1	4400	1716	1350	1222	1585	60	12	0	2
4401	1585	1222	1154	1528	60	12	0	2	4402	1528	1154	1092	1464	60	12	0	2
4403	1090	719	786	1181	60	12	0	1	4404	1181	786	854	1248	60	12	0	1
4405	1248	854	883	1274	60	12	0	1	4406	1274	883	892	1351	60	12	0	1
4407	1351	892	882	1273	60	12	0	1	4408	1273	882	853	1246	60	12	0	1
4409	1246	853	785	1180	60	12	0	1	4410	1180	785	718	1089	60	12	0	1
4411	1350	967	840	1222	60	12	0	2	4412	1222	840	771	1154	60	12	0	2
4413	1154	771	721	1092	60	12	0	2	4414	719	668	667	786	60	12	0	1
4415	786	667	666	854	60	12	0	1	4416	854	666	665	883	60	12	0	1
4417	883	665	664	892	60	12	0	1	4418	892	664	663	882	60	12	0	1
4419	882	663	662	853	60	12	0	1	4420	853	662	661	785	60	12	0	1
4421	785	661	660	718	60	12	0	1	4422	967	673	672	840	60	12	0	2
4423	840	672	671	771	60	12	0	2	4424	771	671	670	721	60	12	0	2
4425	670	669	720	721	60	12	0	1	4426	721	720	1091	1092	60	12	0	1
4427	669	668	719	720	60	12	0	1	4428	720	719	1090	1091	60	12	0	1
4429	660	659	717	718	60	12	0	1	4430	718	717	1088	1089	60	12	0	1
4431	659	658	716	717	60	12	0	1	4432	717	716	1087	1088	60	12	0	1
4433	658	657	715	716	60	12	0	1	4434	716	715	1086	1087	60	12	0	1
4435	657	656	714	715	60	12	0	2	4436	715	714	1085	1086	60	12	0	2
4437	656	655	713	714	60	12	0	2	4438	714	713	1084	1085	60	12	0	2
4439	1084	1461	1462	1085	60	12	0	2	4440	1085	1462	1463	1086	60	12	0	2
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4451	673	967	966	654	60	12	0	1	4452	654	966	965	652	60	12	0	1
4453	652	965	964	650	60	12	0	1	4454	650	964	963	648	60	12	0	1
4455	648	963	962	646	60	12	0	1	4456	646	962	961	644	60	12	0	1
4457	644	961	960	642	60	12	0	1	4458	642	960	959	638	60	12	0	1
4459	638	959	958	520	60	12	0	1	4460	967	1350	1349	966	60	12	0	1
4461	966	1349	1348	965	60	12	0	1	4462	965	1348	1347	964	60	12	0	1
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4467	960	1343	1342	959	60	12	0	1	4468	959	1342	1341	958	60	12	0	1
4469	1350	1716	1715	1349	60	12	0	1	4470	1349	1715	1714	1348	60	12	0	1
4471	1348	1714	1713	1347	60	12	0	1	4472	1347	1713	1712	1346	60	12	0	1
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4485	1709	2077	2076	1708	60	12	0	1	4486	1708	2076	2075	1707	60	12	0	1
4487	2084	2439	2438	2083	60	12	0	1	4488	2083	2438	2437	2082	60	12	0	1
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4493	2078	2433	2432	2077	60	12	0	1	4494	2077	2432	2431	2076	60	12	0	1
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4499	2436	2797	2796	2435	60	12	0	1	4500	2435	2796	2795	2434	60	12	0	1
4501	2434	2795	2794	2433	60	12	0	1	4502	2433	2794	2793	2432	60	12	0	1
4503	2432	2793	2792	2431	60	12	0	1	4504	2431	2792	2791	2430	60	12	0	1
4505	2800	3169	3168	2799	60	12	0	1	4506	2799	3168	3167	2798	60	12	0	1
4507	2798	3167	3166	2797	60	12	0	1	4508	2797	3166	3165	2796	60	12	0	1
4509	2796	3165	3164	2795	60	12	0	1	4510	2795	3164	3163	2794	60	12	0	1
4511	2794	3163	3162	2793	60	12	0	1	4512	2793	3162	3161	2792	60	12	0	1
4513	2792	3161	3160	2791	60	12	0	1	4514	3169	3539	3538	3168	60	12	0	1
4515	3168	3538	3537	3167	60	12	0	1	4516	3167	3537	3536	3166	60	12	0	1
4517	3166	3536	3535	3165	60	12	0	1	4518	3165	3535	3534	3164	60	12	0	1
4519	3164	3534	3533	3163	60	12	0	1	4520	3163	3533	3532	3162	60	12	0	1
4521	3162	3532	3531	3161	60	12	0	1	4522	3161	3531	3530	3160	60	12	0	1
4523	3539	3929	3928	3538	60	12	0	1	4524	3538	3928	3927	3537	60	12	0	1
4525	3537	3927	3926	3536	60	12	0	1	4526	3536	3926	3925	3535	60	12	0	1
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4529	3533	3923	3922	3532	60	12	0	1	4530	3532	3922	3921	3531	60	12	0	1
4531	3531	3921	3920	3530	60	12	0	1	4532	3929	4313	4312	3928	60	12	0	1
4533	3928	4312	4311	3927	60	12	0	1	4534	3927	4311	4310	3926	60	12	0	1
4535	3926	4310	4309	3925	60	12	0	1	4536	3925	4309	4308	3924	60	12	0	1
4537	3924	4308	4307	3923	60	12	0	1	4538	3923	4307	4306	3922	60	12	0	1
4539	3922	4306	4305	3921	60	12	0	1	4540	3921	4305	4304	3920	60	12	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
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4543	4311	4716	4715	4310	60	12	0	1	4544	4310	4715	4714	4309	60	12	0	1
4545	4309	4714	4713	4308	60	12	0	1	4546	4308	4713	4712	4307	60	12	0	1
4547	4307	4712	4711	4306	60	12	0	1	4548	4306	4711	4710	4305	60	12	0	1
4549	4305	4710	4709	4304	60	12	0	1	4550	4718	5403	5402	4717	60	12	0	1
4551	4717	5402	5401	4716	60	12	0	1	4552	4716	5401	5400	4715	60	12	0	1
4553	4715	5400	5399	4714	60	12	0	1	4554	4714	5399	5398	4713	60	12	0	1
4555	4713	5398	5397	4712	60	12	0	1	4556	4712	5397	5396	4711	60	12	0	1
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4565	5397	5979	5978	5396	60	12	0	1	4566	5396	5978	5977	5395	60	12	0	1
4567	5395	5977	5976	5394	60	12	0	1	4568	5985	7260	7242	5984	60	12	0	1
4569	5984	7242	7240	5983	60	12	0	1	4570	5983	7240	7238	5982	60	12	0	1
4571	5982	7238	7236	5981	60	12	0	1	4572	5981	7236	7234	5980	60	12	0	1
4573	5980	7234	7232	5979	60	12	0	1	4574	5979	7232	7230	5978	60	12	0	1
4575	5978	7230	7226	5977	60	12	0	1	4576	5977	7226	7173	5976	60	12	0	1
4577	17	16	909	910	55	11	0	1	4578	910	909	1292	1293	55	11	0	1
4579	1293	1292	1658	1659	55	11	0	1	4580	1659	1658	2026	2027	55	11	0	1
4581	2027	2026	2381	2382	55	11	0	1	4582	2382	2381	2742	2743	55	11	0	1
4583	2743	2742	3111	3112	55	11	0	1	4584	3112	3111	3481	3482	55	11	0	1
4585	3482	3481	3870	3871	55	11	0	1	4586	3871	3870	4254	4255	55	11	0	1
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4589	5345	5344	5926	5927	55	11	0	1	4590	5927	5926	6271	6273	55	11	0	1
4591	16	15	908	909	55	11	0	1	4592	909	908	1291	1292	55	11	0	1
4593	1292	1291	1657	1658	55	11	0	1	4594	1658	1657	2025	2026	55	11	0	1
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4599	3481	3480	3869	3870	55	11	0	1	4600	3870	3869	4253	4254	55	11	0	1
4601	4254	4253	4658	4659	55	11	0	1	4602	4659	4658	5343	5344	55	11	0	1
4603	5344	5343	5925	5926	55	11	0	1	4604	5926	5925	6270	6271	55	11	0	1
4605	15	14	907	908	55	11	0	1	4606	908	907	1290	1291	55	11	0	1
4607	1291	1290	1656	1657	55	11	0	1	4608	1657	1656	2024	2025	55	11	0	1
4609	2025	2024	2379	2380	55	11	0	1	4610	2380	2379	2740	2741	55	11	0	1
4611	2741	2740	3109	3110	55	11	0	1	4612	3110	3109	3479	3480	55	11	0	1
4613	3480	3479	3868	3869	55	11	0	1	4614	3869	3868	4252	4253	55	11	0	1
4615	4253	4252	4657	4658	55	11	0	1	4616	4658	4657	5342	5343	55	11	0	1
4617	5343	5342	5924	5925	55	11	0	1	4618	5925	5924	6269	6270	55	11	0	1
4619	14	13	906	907	55	11	0	1	4620	907	906	1289	1290	55	11	0	1
4621	1290	1289	1655	1656	55	11	0	1	4622	1656	1655	2023	2024	55	11	0	1
4623	2024	2023	2378	2379	55	11	0	1	4624	2379	2378	2739	2740	55	11	0	1
4625	2740	2739	3108	3109	55	11	0	1	4626	3109	3108	3478	3479	55	11	0	1
4627	3479	3478	3867	3868	55	11	0	1	4628	3868	3867	4251	4252	55	11	0	1
4629	4252	4251	4656	4657	55	11	0	1	4630	4657	4656	5341	5342	55	11	0	1
4631	5342	5341	5923	5924	55	11	0	1	4632	5924	5923	6268	6269	55	11	0	1
4633	13	12	905	906	55	11	0	1	4634	906	905	1288	1289	55	11	0	1
4635	1289	1288	1654	1655	55	11	0	1	4636	1655	1654	2022	2023	55	11	0	1
4637	2023	2022	2377	2378	55	11	0	1	4638	2378	2377	2738	2739	55	11	0	1
4639	2739	2738	3107	3108	55	11	0	1	4640	3108	3107	3477	3478	55	11	0	1
4641	3478	3477	3866	3867	55	11	0	1	4642	3867	3866	4250	4251	55	11	0	1
4643	4251	4250	4655	4656	55	11	0	1	4644	4656	4655	5340	5341	55	11	0	1
4645	5341	5340	5922	5923	55	11	0	1	4646	5923	5922	6267	6268	55	11	0	1
4647	12	11	904	905	55	11	0	1	4648	905	904	1287	1288	55	11	0	1
4649	1288	1287	1653	1654	55	11	0	1	4650	1654	1653	2021	2022	55	11	0	1
4651	2022	2021	2376	2377	55	11	0	1	4652	2377	2376	2737	2738	55	11	0	1
4653	2738	2737	3106	3107	55	11	0	1	4654	3107	3106	3476	3477	55	11	0	1
4655	3477	3476	3865	3866	55	11	0	1	4656	3866	3865	4249	4250	55	11	0	1
4657	4250	4249	4654	4655	55	11	0	1	4658	4655	4654	5339	5340	55	11	0	1
4659	5340	5339	5921	5922	55	11	0	1	4660	5922	5921	6266	6267	55	11	0	1
4661	11	10	903	904	55	11	0	1	4662	904	903	1286	1287	55	11	0	1
4663	1287	1286	1652	1653	55	11	0	1	4664	1653	1652	2020	2021	55	11	0	1
4665	2021	2020	2375	2376	55	11	0	1	4666	2376	2375	2736	2737	55	11	0	1
4667	2737	2736	3105	3106	55	11	0	1	4668	3106	3105	3475	3476	55	11	0	1
4669	3476	3475	3864	3865	55	11	0	1	4670	3865	3864	4248	4249	55	11	0	1
4671	4249	4248	4653	4654	55	11	0	1	4672	4654	4653	5338	5339	55	11	0	1
4673	5339	5338	5920	5921	55	11	0	1	4674	5921	5920	6265	6266	55	11	0	1
4675	10	9	902	903	55	11	0	1	4676	903	902	1285	1286	55	11	0	1
4677	1286	1285	1651	1652	55	11	0	1	4678	1652	1651	2019	2020	55	11	0	1
4679	2020	2019	2374	2375	55	11	0	1	4680	2375	2374	2735	2736	55	11	0	1
4681	2736	2735	3104	3105	55	11	0	1	4682	3105	3104	3474	3475	55	11	0	1
4683	3475	3474	3863	3864	55	11	0	1	4684	3864	3863	4247	4248	55	11	0	1
4685	4248	4247	4652	4653	55	11	0	1	4686	4653	4652	5337	5338	55	11	0	1
4687	5338	5337	5919	5920	55	11	0	1	4688	5920	5919	6264	6265	55	11	0	1
4689	9	8	901	902	55	11	0	1	4690	902	901	1284	1285	55	11	0	1
4691	1285	1284	1650	1651	55	11	0	1	4692	1651	1650	2018	2019	55	11	0	1
4693	2019	2018	2373	2374	55	11	0	1	4694	2374	2373	2734	2735	55	11	0	1
4695	2735	2734	3103	3104	55	11	0	1	4696	3104	3103	3473	3474	55	11	0	1
4697	3474	3473	3862	3863	55	11	0	1	4698	3863	3862	4246	4247	55	11	0	1
4699	4247	4246	4651	4652	55	11	0	1	4700	4652	4651	5336	5337	55	11	0	1
4701	5337	5336	5918	5919	55	11	0	1	4702	5919	5918	6263	6264	55	11	0	1
4703	8	7	900	901	55	11	0	1	4704	901	900	1283	1284	55	11	0	1
4705	1284	1283	1649	1650	55	11	0	1	4706	1650	1649	2017	2018	55	11	0	1
4707	2018	2017	2372	2373	55	11	0	1	4708	2373	2372	2733	2734	55	11	0	1
4709	2734	2733	3102	3103	55	11	0	1	4710	3103	3102	3472	3473	55	11	0	1
4711	3473	3472	3861	3862	55	11	0	1	4712	3862	3861	4245	4246	55	11	0	1
4713	4246	4245	4650	4651	55	11	0	1	4714	4651	4650	5335	5336	55	11	0	1
4715	5336	5335	5917	5918	55	11	0	1	4716	5918	5917	6262	6263	55	11	0	1
4717	7	6	899	900	55	11	0	1	4718	900	899	1282	1283	55	11	0	1
4719	1283	1282	1648	1649	55	11	0	1	4720	1649	1648	2016	2017	55	11	0	1
4721	2017	2016	2371	2372	55	11	0	1	4722	2372	2371	2732	2733	55	11	0	1
4723	2733	2732	3101	3102	55	11	0	1	4724	3102	3101	3471	3472	55	11	0	1
4725	3472	3471	3860	3861	55	11	0	1	4726	3861	3860	4244	4245	55	11	0	1
4727	4245	4244	4649	4650	55	11	0	1	4728	4650	4649	5334	5335	55	11	0	1
4729	5335	5334	5916	5917	55	11	0	1	4730	5917	5916	6261	6262	55	11	0	1
4731	6	5	898	899	55	11	0	1	4732	899	898	1281	1282	55	11	0	1
4733	1282	1281	1647	1648	55	11	0	1	4734	1648	1647	2015	2016	55	11	0	1
4735	2016	2015	2370	2371	55	11	0	1	4736	2371	2370	2731	2732	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
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4737	2732	2731	3100	3101	55	11	0	1	4738	3101	3100	3470	3471	55	11	0	1
4739	3471	3470	3859	3860	55	11	0	1	4740	3860	3859	4243	4244	55	11	0	1
4741	4244	4243	4648	4649	55	11	0	1	4742	4649	4648	5333	5334	55	11	0	1
4743	5334	5333	5915	5916	55	11	0	1	4744	5916	5915	6260	6261	55	11	0	1
4745	5	4	897	898	55	11	0	1	4746	898	897	1280	1281	55	11	0	1
4747	1281	1280	1646	1647	55	11	0	1	4748	1647	1646	2014	2015	55	11	0	1
4749	2015	2014	2369	2370	55	11	0	1	4750	2370	2369	2730	2731	55	11	0	1
4751	2731	2730	3099	3100	55	11	0	1	4752	3100	3099	3469	3470	55	11	0	1
4753	3470	3469	3858	3859	55	11	0	1	4754	3859	3858	4242	4243	55	11	0	1
4755	4243	4242	4647	4648	55	11	0	1	4756	4648	4647	5332	5333	55	11	0	1
4757	5333	5332	5914	5915	55	11	0	1	4758	5915	5914	6259	6260	55	11	0	1
4759	4	3	896	897	55	11	0	1	4760	897	896	1279	1280	55	11	0	1
4761	1280	1279	1645	1646	55	11	0	1	4762	1646	1645	2013	2014	55	11	0	1
4763	2014	2013	2368	2369	55	11	0	1	4764	2369	2368	2729	2730	55	11	0	1
4765	2730	2729	3098	3099	55	11	0	1	4766	3099	3098	3468	3469	55	11	0	1
4767	3469	3468	3857	3858	55	11	0	1	4768	3858	3857	4241	4242	55	11	0	1
4769	4242	4241	4646	4647	55	11	0	1	4770	4647	4646	5331	5332	55	11	0	1
4771	5332	5331	5913	5914	55	11	0	1	4772	5914	5913	6258	6259	55	11	0	1
4773	3	2	895	896	55	11	0	1	4774	896	895	1278	1279	55	11	0	1
4775	1279	1278	1644	1645	55	11	0	1	4776	1645	1644	2012	2013	55	11	0	1
4777	2013	2012	2367	2368	55	11	0	1	4778	2368	2367	2728	2729	55	11	0	1
4779	2729	2728	3097	3098	55	11	0	1	4780	3098	3097	3467	3468	55	11	0	1
4781	3468	3467	3856	3857	55	11	0	1	4782	3857	3856	4240	4241	55	11	0	1
4783	4241	4240	4645	4646	55	11	0	1	4784	4646	4645	5330	5331	55	11	0	1
4785	5331	5330	5912	5913	55	11	0	1	4786	5913	5912	6257	6258	55	11	0	1
4787	1293	1659	1729	1370	55	11	0	1	4788	1659	2027	2091	1729	55	11	0	1
4789	2027	2382	2446	2091	55	11	0	1	4790	2382	2743	2802	2446	55	11	0	1
4791	2743	3112	3096	2802	55	11	0	1	4792	3112	3482	3464	3096	55	11	0	1
4793	3482	3871	3842	3464	55	11	0	1	4794	3871	4255	4212	3842	55	11	0	1
4795	4255	4660	4591	4212	55	11	0	1	4796	4660	5345	5197	4591	55	11	0	1
4797	5345	5927	5713	5197	55	11	0	1	4798	6273	6280	5713	5927	55	11	0	1
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4801	6287	6291	6132	6113	55	11	0	1	4802	6291	6295	6123	6132	55	11	0	1
4803	6295	6299	6112	6123	55	11	0	1	4804	6299	6303	6099	6112	55	11	0	1
4805	6303	6307	5702	6099	55	11	0	1	4806	6350	6016	5702	6307	55	11	0	1
4807	6016	5444	5241	5702	55	11	0	1	4808	5444	4755	4619	5241	55	11	0	1
4809	4755	4317	4206	4619	55	11	0	1	4810	4317	3798	3778	4206	55	11	0	1
4811	3798	3360	3369	3778	55	11	0	1	4812	3360	2961	2969	3369	55	11	0	1
4813	2961	2550	2554	2969	55	11	0	1	4814	2550	2166	2162	2554	55	11	0	1
4815	2166	1789	1786	2162	55	11	0	1	4816	1789	1398	1405	1786	55	11	0	1
4817	1398	1011	1026	1405	55	11	0	1	4818	49	34	1026	1011	55	11	0	1
4819	34	32	766	1026	55	11	0	1	4820	32	30	677	766	55	11	0	1
4821	30	28	674	677	55	11	0	1	4822	28	26	675	674	55	11	0	1
4823	26	24	676	675	55	11	0	1	4824	24	22	726	676	55	11	0	1
4825	22	20	759	726	55	11	0	1	4826	20	18	1006	759	55	11	0	1
4827	17	910	1006	18	55	11	0	1	4828	910	1293	1370	1006	55	11	0	1
4829	4117	3765	3775	4124	55	11	0	1	4830	3765	3422	3432	3775	55	11	0	1
4831	4124	3775	3793	4140	55	11	0	1	4832	3775	3432	3443	3793	55	11	0	1
4833	4140	3793	3820	4172	55	11	0	1	4834	3793	3443	3454	3820	55	11	0	1
4835	4172	3820	3842	4212	55	11	0	1	4836	3820	3454	3464	3842	55	11	0	1
4837	4172	4212	4591	4535	55	11	0	1	4838	4535	4473	4140	4172	55	11	0	1
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4841	5543	5006	5022	5530	55	11	0	1	4842	4535	4591	5197	5022	55	11	0	1
4843	5022	5006	4473	4535	55	11	0	1	4844	6101	6113	5551	5543	55	11	0	1
4845	6113	6132	5576	5551	55	11	0	1	4846	5543	5551	5004	5006	55	11	0	1
4847	5551	5576	5010	5004	55	11	0	1	4848	5006	5004	4453	4473	55	11	0	1
4849	5004	5010	4454	4453	55	11	0	1	4850	4473	4453	4124	4140	55	11	0	1
4851	4453	4454	4117	4124	55	11	0	1	4852	4206	3778	3761	4152	55	11	0	1
4853	3778	3369	3373	3761	55	11	0	1	4854	4152	3761	3754	4132	55	11	0	1
4855	3761	3373	3381	3754	55	11	0	1	4856	4132	3754	3752	4120	55	11	0	1
4857	3754	3381	3395	3752	55	11	0	1	4858	4120	3752	3757	4113	55	11	0	1
4859	3752	3395	3408	3757	55	11	0	1	4860	4113	3757	3765	4117	55	11	0	1
4861	3757	3408	3422	3765	55	11	0	1	4862	4113	4117	4454	4446	55	11	0	1
4863	4446	4454	5010	5007	55	11	0	1	4864	5007	5010	5576	5574	55	11	0	1
4865	5574	5576	6132	6123	55	11	0	1	4866	5546	6099	5702	5532	55	11	0	1
4867	5702	5241	5023	5532	55	11	0	1	4868	5023	5012	5546	5532	55	11	0	1
4869	5241	4619	4533	5023	55	11	0	1	4870	4619	4206	4152	4533	55	11	0	1
4871	5023	4533	4493	5012	55	11	0	1	4872	4533	4152	4132	4493	55	11	0	1
4873	4132	4120	4462	4493	55	11	0	1	4874	4120	4113	4446	4462	55	11	0	1
4875	4493	4462	5009	5012	55	11	0	1	4876	4462	4446	5007	5009	55	11	0	1
4877	5012	5009	5552	5546	55	11	0	1	4878	5009	5007	5574	5552	55	11	0	1
4879	5546	5552	6112	6099	55	11	0	1	4880	5552	5574	6123	6112	55	11	0	1
4881	2446	2802	2804	2449	55	11	0	1	4882	2802	3096	3094	2804	55	11	0	1
4883	3096	3464	3454	3094	55	11	0	1	4884	2449	2804	2801	2456	55	11	0	1
4885	2804	3094	3087	2801	55	11	0	1	4886	3094	3454	3443	3087	55	11	0	1
4887	2456	2801	2727	2450	55	11	0	1	4888	2801	3087	3081	2727	55	11	0	1
4889	3087	3443	3432	3081	55	11	0	1	4890	2450	2727	2717	2444	55	11	0	1
4891	2727	3081	3067	2717	55	11	0	1	4892	3081	3432	3422	3067	55	11	0	1
4893	2091	2446	2449	2101	55	11	0	1	4894	2101	2449	2456	2108	55	11	0	1
4895	2108	2456	2450	2109	55	11	0	1	4896	2109	2450	2444	2103	55	11	0	1
4897	1744	1729	2091	2101	55	11	0	1	4898	2101	2108	1754	1744	55	11	0	1
4899	1093	759	1006	1110	55	11	0	1	4900	1006	1370	1407	1110	55	11	0	1
4901	1407	1421	1093	1110	55	11	0	1	4902	1744	1754	1421	1407	55	11	0	1
4903	1407	1370	1729	1744	55	11	0	1	4904	2108	2109	1756	1754	55	11	0	1
4905	2109	2103	1750	1756	55	11	0	1	4906	1754	1756	1414	1421	55	11	0	1
4907	1756	1750	1416	1414	55	11	0	1	4908	1421	1414	1047	1093	55	11	0	1
4909	1414	1416	1043	1047	55	11	0	1	4910	1093	1047	726	759	55	11	0	1
4911	1047	1043	676	726	55	11	0	1	4912	2717	3067	3050	2698	55	11	0	1
4913	3067	3422	3408	3050	55	11	0	1	4914	2698	3050	3033	2675	55	11	0	1
4915	3050	3408	3395	3033	55	11	0	1	4916	2675	3033	3003	2634	55	11	0	1
4917	3033	3395	3381	3003	55	11	0	1	4918	2634	3003	2980	2570	55	11	0	1
4919	3003	3381	3373	2980	55	11	0	1	4920	2570	2980	2969	2554	55	11	0	1
4921	2980	3373	3369	2969	55	11	0	1	4922	2151	2261	2634	2570	55	11	0	1
4923	2570	2554	2162	2151	55	11	0	1	4924	1736	1737	1961	1920	55	11	0	1
4925	1961	2261	2151	1920	55	11	0	1	4926	2151	1778	1736	1920	55	11	0	1
4927	2151	2162	1786	1778	55	11	0	1	4928	1096	1423	1428	1138	55	11	0	1
4929	1428	1405	1026	1138	55	11	0	1	4930	1026	766	1096	1138	55	11	0	1
4931	1428	1423	1736	1778	55	11	0	1	4932	1778	1786	1405	1428	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
4933	766	677	1045	1096	55	11	0	1	4934	1096	1045	1415	1423	55	11	0	1
4935	1423	1415	1737	1736	55	11	0	1	4936	677	674	1042	1045	55	11	0	1
4937	674	675	1044	1042	55	11	0	1	4938	675	676	1043	1044	55	11	0	1
4939	1045	1042	1411	1415	55	11	0	1	4940	1042	1044	1409	1411	55	11	0	1
4941	1044	1043	1416	1409	55	11	0	1	4942	1415	1411	1742	1737	55	11	0	1
4943	1411	1409	1748	1742	55	11	0	1	4944	1409	1416	1750	1748	55	11	0	1
4945	1737	1742	2008	1961	55	11	0	1	4946	1742	1748	2092	2008	55	11	0	1
4947	1748	1750	2103	2092	55	11	0	1	4948	1961	2008	2323	2261	55	11	0	1
4949	2008	2092	2357	2323	55	11	0	1	4950	2092	2103	2444	2357	55	11	0	1
4951	2261	2323	2675	2634	55	11	0	1	4952	2323	2357	2698	2675	55	11	0	1
4953	2357	2444	2717	2698	55	11	0	1	4954	4748	4747	5442	5443	80	16	0	1
4955	5443	5442	6014	6015	80	16	0	1	4956	6015	6014	6329	6330	80	16	0	1
4957	4747	4746	5441	5442	80	16	0	1	4958	5442	5441	6013	6014	80	16	0	1
4959	6014	6013	6328	6329	80	16	0	1	4960	4746	4745	5440	5441	80	16	0	1
4961	5441	5440	6012	6013	80	16	0	1	4962	6013	6012	6327	6328	80	16	0	1
4963	4745	4744	5439	5440	80	16	0	1	4964	5440	5439	6011	6012	80	16	0	1
4965	6012	6011	6326	6327	80	16	0	1	4966	4744	4743	5438	5439	80	16	0	1
4967	5439	5438	6010	6011	80	16	0	1	4968	6011	6010	6325	6326	80	16	0	1
4969	6361	6367	6241	6237	65	13	0	1	4970	6367	6373	6238	6241	65	13	0	1
4971	6373	6379	6219	6238	65	13	0	1	4972	6379	6384	6190	6219	65	13	0	1
4973	6384	6390	6189	6190	65	13	0	1	4974	6390	6403	6193	6189	65	13	0	1
4975	6403	6419	6182	6193	65	13	0	1	4976	6419	6423	6173	6182	65	13	0	1
4977	6423	6426	6164	6173	65	13	0	1	4978	6426	6431	6168	6164	65	13	0	1
4979	6431	6435	6174	6168	65	13	0	1	4980	6435	6440	6177	6174	65	13	0	1
4981	6440	6444	6169	6177	65	13	0	1	4982	6444	6451	6161	6169	65	13	0	1
4983	6451	6455	6157	6161	65	13	0	1	4984	6455	6459	6158	6157	65	13	0	1
4985	6459	6463	6171	6158	65	13	0	1	4986	6463	6467	6185	6171	65	13	0	1
4987	6467	6471	6205	6185	65	13	0	1	4988	6471	6475	6209	6205	65	13	0	1
4989	6475	6482	6211	6209	65	13	0	1	4990	6482	6486	6210	6211	65	13	0	1
4991	6486	6490	6212	6210	65	13	0	1	4992	6490	6492	6226	6212	65	13	0	1
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4995	6500	6504	6256	6249	65	13	0	1	4996	6504	6508	6251	6256	65	13	0	1
4997	6508	6515	6086	6251	65	13	0	1	4998	6515	6528	5851	6086	65	13	0	1
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5003	6542	6546	6239	6247	65	13	0	1	5004	6546	6550	6224	6239	65	13	0	1
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5007	6562	6566	6218	6197	65	13	0	1	5008	6566	6570	6225	6218	65	13	0	1
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5013	6584	6588	6229	6232	65	13	0	1	5014	6588	6594	6223	6229	65	13	0	1
5015	6594	6598	6217	6223	65	13	0	1	5016	6598	6602	6236	6217	65	13	0	1
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5035	4794	4793	5121	5140	65	13	0	1	5036	4793	4792	5115	5121	65	13	0	1
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5079	5160	5158	5657	5659	65	13	0	1	5080	5158	5157	5661	5657	65	13	0	1
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5087	5517	5279	5672	5681	65	13	0	1	5088	5672	6235	6139	5681	65	13	0	1
5089	5279	5190	5666	5672	65	13	0	1	5090	5190	5166	5664	5666	65	13	0	1
5091	5166	5161	5656	5664	65	13	0	1	5092	5672	5666	6236	6235	65	13	0	1
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5105	6247	6239	5668	5675	65	13	0	1	5106	6239	6224	5660	5668	65	13	0	1
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5119	5138	5144	5649	5650	65	13	0	1	5120	5144	5137	5643	5649	65	13	0	1
5121	5137	5117	5621	5643	65	13	0	1	5122	5117	5093	5611	5621	65	13	0	1
5123	5093	5078	5596	5611	65	13	0	1	5124	5078	5075	5594	5596	65	13	0	1
5125	5075	5079	5592	5594	65	13	0	1	5126	5650	5649	6211	6210	65	13	0	1
5127	5649	5643	6209	6211	65	13	0	1	5128	5643	5621	6205	6209	65	13	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
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5131	5596	5594	6158	6171	65	13	0	1	5132	5594	5592	6157	6158	65	13	0	1
5133	5651	5136	5138	5650	65	13	0	1	5134	5650	6210	6212	5651	65	13	0	1
5135	5219	5182	5670	5679	65	13	0	1	5136	5182	5152	5663	5670	65	13	0	1
5137	5152	5136	5651	5663	65	13	0	1	5138	5679	5670	6242	6249	65	13	0	1
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5147	6086	5510	5586	5697	65	13	0	1	5148	5889	6251	6086	5697	65	13	0	1
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5169	6190	6189	5625	5630	65	13	0	1	5170	6189	6193	5622	5625	65	13	0	1
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5185	6834	6833	6188	6184	65	13	0	1	5186	6833	6779	6199	6188	65	13	0	1
5187	6779	6832	6208	6199	65	13	0	1	5188	6832	6831	6216	6208	65	13	0	1
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5225	6774	6799	6243	6230	65	13	0	1	5226	6799	6798	6252	6243	65	13	0	1
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5231	6794	6793	6107	6145	65	13	0	1	5232	6793	6773	5700	6107	65	13	0	1
5233	6773	6792	5840	5700	65	13	0	1	5234	6792	6791	5886	5840	65	13	0	1
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5245	6782	6781	6003	6000	65	13	0	1	5246	6780	6018	6003	6781	65	13	0	1
5247	6018	5446	5434	6003	65	13	0	1	5248	4808	4809	5434	5446	65	13	0	1
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5279	4839	4840	5126	5132	65	13	0	1	5280	4840	4841	5104	5126	65	13	0	1
5281	4841	4842	5084	5104	65	13	0	1	5282	4842	4843	5077	5084	65	13	0	1
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5295	4855	4856	5141	5139	65	13	0	1	5296	4856	4857	5123	5141	65	13	0	1
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5315	6840	6839	6100	6019	65	13	0	1	5316	6839	6838	6231	6100	65	13	0	1
5317	5607	6163	6167	5598	65	13	0	1	5318	5598	5081	5096	5607	65	13	0	1
5319	6216	6214	5644	5646	65	13	0	1	5320	6214	6194	5629	5644	65	13	0	1
5321	6194	6176	5614	5629	65	13	0	1	5322	6176	6163	5607	5614	65	13	0	1
5323	5646	5644	5134	5133	65	13	0	1	5324	5644	5629	5127	5134	65	13	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
5325	5629	5614	5109	5127	65	13	0	1	5326	5614	5607	5096	5109	65	13	0	1
5327	5676	5307	5519	5684	65	13	0	1	5328	5519	6100	6231	5684	65	13	0	1
5329	6231	6240	5676	5684	65	13	0	1	5330	5667	5213	5307	5676	65	13	0	1
5331	5676	6240	6227	5667	65	13	0	1	5332	6227	6191	5653	5667	65	13	0	1
5333	6191	6184	5633	5653	65	13	0	1	5334	6184	6188	5628	5633	65	13	0	1
5335	6188	6199	5634	5628	65	13	0	1	5336	6199	6208	5637	5634	65	13	0	1
5337	6208	6216	5646	5637	65	13	0	1	5338	5667	5653	5168	5213	65	13	0	1
5339	5653	5633	5098	5168	65	13	0	1	5340	5633	5628	5106	5098	65	13	0	1
5341	5628	5634	5120	5106	65	13	0	1	5342	5634	5637	5128	5120	65	13	0	1
5343	5637	5646	5133	5128	65	13	0	1	5344	5840	5886	5416	5407	65	13	0	1
5345	5886	5902	5418	5416	65	13	0	1	5346	5902	5908	5422	5418	65	13	0	1
5347	5908	5904	5420	5422	65	13	0	1	5348	5904	5900	5419	5420	65	13	0	1
5349	5900	5897	5417	5419	65	13	0	1	5350	5897	5988	5427	5417	65	13	0	1
5351	5988	5991	5429	5427	65	13	0	1	5352	5991	5989	5428	5429	65	13	0	1
5353	5989	5990	5430	5428	65	13	0	1	5354	5990	6000	5432	5430	65	13	0	1
5355	6000	6003	5434	5432	65	13	0	1	5356	5615	6181	6207	5641	65	13	0	1
5357	5641	5131	5097	5615	65	13	0	1	5358	5062	5055	5578	5539	65	13	0	1
5359	5578	6107	5700	5539	65	13	0	1	5360	5700	5290	5062	5539	65	13	0	1
5361	5700	5840	5407	5290	65	13	0	1	5362	6245	6145	5613	5674	65	13	0	1
5363	6145	6107	5578	5613	65	13	0	1	5364	5674	5613	5156	5242	65	13	0	1
5365	5613	5578	5055	5156	65	13	0	1	5366	5179	5159	5658	5665	65	13	0	1
5367	5159	5131	5641	5658	65	13	0	1	5368	5665	5658	6221	6230	65	13	0	1
5369	5658	5641	6207	6221	65	13	0	1	5370	5665	6230	6243	5677	65	13	0	1
5371	5677	5249	5179	5665	65	13	0	1	5372	5692	5508	5249	5677	65	13	0	1
5373	5677	6243	6252	5692	65	13	0	1	5374	5674	5242	5508	5691	65	13	0	1
5375	5691	6253	6245	5674	65	13	0	1	5376	6255	6253	5691	5992	65	13	0	1
5377	5691	5508	5692	5992	65	13	0	1	5378	6252	6255	5992	5692	65	13	0	1
5379	5097	5089	5605	5615	65	13	0	1	5380	5089	5091	5606	5605	65	13	0	1
5381	5091	5099	5612	5606	65	13	0	1	5382	5099	5105	5620	5612	65	13	0	1
5383	5105	5118	5626	5620	65	13	0	1	5384	5118	5125	5636	5626	65	13	0	1
5385	5125	5132	5639	5636	65	13	0	1	5386	5132	5126	5631	5639	65	13	0	1
5387	5126	5104	5616	5631	65	13	0	1	5388	5104	5084	5600	5616	65	13	0	1
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5397	5122	5119	5627	5623	65	13	0	1	5398	5119	5112	5624	5627	65	13	0	1
5399	5112	5116	5632	5624	65	13	0	1	5400	5116	5129	5640	5632	65	13	0	1
5401	5129	5139	5647	5640	65	13	0	1	5402	5139	5141	5645	5647	65	13	0	1
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5405	5100	5083	5609	5617	65	13	0	1	5406	5083	5081	5598	5609	65	13	0	1
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5411	5620	5626	6187	6180	65	13	0	1	5412	5626	5636	6200	6187	65	13	0	1
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5419	5591	5590	6155	6159	65	13	0	1	5420	5590	5589	6156	6155	65	13	0	1
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5425	5623	5627	6196	6183	65	13	0	1	5426	5627	5624	6203	6196	65	13	0	1
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5429	5640	5647	6206	6198	65	13	0	1	5430	5647	5645	6213	6206	65	13	0	1
5431	5645	5635	6215	6213	65	13	0	1	5432	5635	5617	6195	6215	65	13	0	1
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5441	4920	4918	5491	5493	65	13	0	1	5442	5493	5491	6063	6065	65	13	0	1
5443	6065	6063	7097	7103	65	13	0	1	5444	4918	4916	5489	5491	65	13	0	1
5445	5491	5489	6061	6063	65	13	0	1	5446	6063	6061	7089	7097	65	13	0	1
5447	4916	4914	5487	5489	65	13	0	1	5448	5489	5487	6059	6061	65	13	0	1
5449	6061	6059	7079	7089	65	13	0	1	5450	4914	4912	5485	5487	65	13	0	1
5451	5487	5485	6057	6059	65	13	0	1	5452	6059	6057	7071	7079	65	13	0	1
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5459	4908	4906	5479	5481	65	13	0	1	5460	5481	5479	6051	6053	65	13	0	1
5461	6053	6051	7050	7057	65	13	0	1	5462	4906	4904	5477	5479	65	13	0	1
5463	5479	5477	6049	6051	65	13	0	1	5464	6051	6049	7007	7050	65	13	0	1
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5471	4900	4898	5471	5473	65	13	0	1	5472	5473	5471	6043	6045	65	13	0	1
5473	6045	6043	6987	6993	65	13	0	1	5474	4898	4896	5469	5471	65	13	0	1
5475	5471	5469	6041	6043	65	13	0	1	5476	6043	6041	6981	6987	65	13	0	1
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5483	4892	4884	5457	5465	65	13	0	1	5484	5465	5457	6029	6037	65	13	0	1
5485	6037	6029	6954	6966	65	13	0	1	5486	4884	4883	5456	5457	65	13	0	1
5487	5457	5456	6028	6029	65	13	0	1	5488	6029	6028	6949	6954	65	13	0	1
5489	4883	4882	5455	5456	65	13	0	1	5490	5456	5455	6027	6028	65	13	0	1
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5493	5455	5454	6026	6027	65	13	0	1	5494	6027	6026	6901	6936	65	13	0	1
5495	4881	4880	5453	5454	65	13	0	1	5496	5454	5453	6025	6026	65	13	0	1
5497	6026	6025	6894	6901	65	13	0	1	5498	4880	4879	5452	5453	65	13	0	1
5499	5453	5452	6024	6025	65	13	0	1	5500	6025	6024	6889	6894	65	13	0	1
5501	4879	4878	5451	5452	65	13	0	1	5502	5452	5451	6023	6024	65	13	0	1
5503	6024	6023	6878	6889	65	13	0	1	5504	4878	4877	5450	5451	65	13	0	1
5505	5451	5450	6022	6023	65	13	0	1	5506	6023	6022	6864	6878	65	13	0	1
5507	4877	4876	5449	5450	65	13	0	1	5508	5450	5449	6021	6022	65	13	0	1
5509	6022	6021	6858	6864	65	13	0	1	5510	4876	4875	5448	5449	65	13	0	1
5511	5449	5448	6020	6021	65	13	0	1	5512	6021	6020	6853	6858	65	13	0	1
5513	4875	4874	5447	5448	65	13	0	1	5514	5448	5447	6019	6020	65	13	0	1
5515	6020	6019	6840	6853	65	13	0	1	5516	4927	5497	5498	4928	55	11	0	1
5517	4928	5498	5499	4929	55	11	0	1	5518	4929	5499	5500	4930	55	11	0	1
5519	4930	5500	5501	4931	55	11	0	1	5520	4931	5501	5502	4932	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
5521	4932	5502	5503	4933	55	11	0	1	5522	4933	5503	5504	4934	55	11	0	1
5523	5497	6069	6070	5498	55	11	0	1	5524	5498	6070	6071	5499	55	11	0	1
5525	5499	6071	6072	5500	55	11	0	1	5526	5500	6072	6073	5501	55	11	0	1
5527	5501	6073	6074	5502	55	11	0	1	5528	5502	6074	6075	5503	55	11	0	1
5529	5503	6075	6076	5504	55	11	0	1	5530	6069	7205	7207	6070	55	11	0	1
5531	6070	7207	7208	6071	55	11	0	1	5532	6071	7208	7209	6072	55	11	0	1
5533	6072	7209	7210	6073	55	11	0	1	5534	6073	7210	7211	6074	55	11	0	1
5535	6074	7211	7212	6075	55	11	0	1	5536	6075	7212	7213	6076	55	11	0	1
5537	4891	4893	5466	5464	55	11	0	1	5538	5464	5466	6038	6036	55	11	0	1
5539	6036	6038	6968	6962	55	11	0	1	5540	4893	4895	5468	5466	55	11	0	1
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5543	4895	4897	5470	5468	55	11	0	1	5544	5468	5470	6042	6040	55	11	0	1
5545	6040	6042	6983	6977	55	11	0	1	5546	4897	4899	5472	5470	55	11	0	1
5547	5470	5472	6044	6042	55	11	0	1	5548	6042	6044	6989	6983	55	11	0	1
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5551	6044	6046	6997	6989	55	11	0	1	5552	4901	4903	5476	5474	55	11	0	1
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5559	5478	5480	6052	6050	55	11	0	1	5560	6050	6052	7052	7009	55	11	0	1
5561	4907	4909	5482	5480	55	11	0	1	5562	5480	5482	6054	6052	55	11	0	1
5563	6052	6054	7062	7052	55	11	0	1	5564	4909	4911	5484	5482	55	11	0	1
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5577	5490	5492	6064	6062	55	11	0	1	5578	6062	6064	7105	7096	55	11	0	1
5579	4919	4921	5494	5492	55	11	0	1	5580	5492	5494	6066	6064	55	11	0	1
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5591	4886	4887	5460	5459	55	11	0	1	5592	5459	5460	6032	6031	55	11	0	1
5593	6031	6032	6958	6957	55	11	0	1	5594	4887	4888	5461	5460	55	11	0	1
5595	5460	5461	6033	6032	55	11	0	1	5596	6032	6033	6959	6958	55	11	0	1
5597	4888	4889	5462	5461	55	11	0	1	5598	5461	5462	6034	6033	55	11	0	1
5599	6033	6034	6960	6959	55	11	0	1	5600	4889	4890	5463	5462	55	11	0	1
5601	5462	5463	6035	6034	55	11	0	1	5602	6034	6035	6961	6960	55	11	0	1
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5609	7096	7452	7449	7088	55	11	0	1	5610	7088	7449	7447	7078	55	11	0	1
5611	7078	7447	7446	7070	55	11	0	1	5612	7070	7446	7445	7062	55	11	0	1
5613	7062	7445	7443	7052	55	11	0	1	5614	7052	7443	7441	7009	55	11	0	1
5615	7009	7441	7438	7003	55	11	0	1	5616	7003	7438	7437	6997	55	11	0	1
5617	6997	7437	7436	6989	55	11	0	1	5618	6989	7436	7433	6983	55	11	0	1
5619	6983	7433	7422	6977	55	11	0	1	5620	6977	7422	7404	6968	55	11	0	1
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5629	7445	7607	7606	7443	55	11	0	1	5630	7443	7606	7604	7441	55	11	0	1
5631	7441	7604	7603	7438	55	11	0	1	5632	7438	7603	7601	7437	55	11	0	1
5633	7437	7601	7598	7436	55	11	0	1	5634	7436	7598	7596	7433	55	11	0	1
5635	7433	7596	7592	7422	55	11	0	1	5636	7422	7592	7578	7404	55	11	0	1
5637	7404	7578	7564	7362	55	11	0	1	5638	7629	7824	7816	7619	55	11	0	1
5639	7619	7816	7814	7618	55	11	0	1	5640	7618	7814	7810	7616	55	11	0	1
5641	7616	7810	7809	7613	55	11	0	1	5642	7613	7809	7807	7611	55	11	0	1
5643	7611	7807	7805	7609	55	11	0	1	5644	7609	7805	7800	7607	55	11	0	1
5645	7607	7800	7795	7606	55	11	0	1	5646	7606	7795	7794	7604	55	11	0	1
5647	7604	7794	7793	7603	55	11	0	1	5648	7603	7793	7791	7601	55	11	0	1
5649	7601	7791	7788	7598	55	11	0	1	5650	7598	7788	7787	7596	55	11	0	1
5651	7596	7787	7782	7592	55	11	0	1	5652	7592	7782	7780	7578	55	11	0	1
5653	7578	7780	7773	7564	55	11	0	1	5654	7824	8014	8006	7816	55	11	0	1
5655	7816	8006	8005	7814	55	11	0	1	5656	7814	8005	8004	7810	55	11	0	1
5657	7810	8004	8003	7809	55	11	0	1	5658	7809	8003	8002	7807	55	11	0	1
5659	7807	8002	8001	7805	55	11	0	1	5660	7805	8001	8000	7800	55	11	0	1
5661	7800	8000	7999	7795	55	11	0	1	5662	7795	7999	7998	7794	55	11	0	1
5663	7794	7998	7997	7793	55	11	0	1	5664	7793	7997	7995	7791	55	11	0	1
5665	7791	7995	7994	7788	55	11	0	1	5666	7788	7994	7993	7787	55	11	0	1
5667	7787	7993	7991	7782	55	11	0	1	5668	7782	7991	7989	7780	55	11	0	1
5669	7780	7989	7987	7773	55	11	0	1	5670	8014	8169	8171	8006	55	11	0	1
5671	8006	8171	8174	8005	55	11	0	1	5672	8005	8174	8177	8004	55	11	0	1
5673	8004	8177	8179	8003	55	11	0	1	5674	8003	8179	8182	8002	55	11	0	1
5675	8002	8182	8184	8001	55	11	0	1	5676	8001	8184	8186	8000	55	11	0	1
5677	8000	8186	8188	7999	55	11	0	1	5678	7999	8188	8191	7998	55	11	0	1
5679	7998	8191	8193	7997	55	11	0	1	5680	7997	8193	8195	7995	55	11	0	1
5681	7995	8195	8197	7994	55	11	0	1	5682	7994	8197	8198	7993	55	11	0	1
5683	7993	8198	8200	7991	55	11	0	1	5684	7991	8200	8201	7989	55	11	0	1
5685	7989	8201	8207	7987	55	11	0	1	5686	8169	8358	8361	8171	55	11	0	1
5687	8171	8361	8365	8174	55	11	0	1	5688	8174	8365	8370	8177	55	11	0	1
5689	8177	8370	8375	8179	55	11	0	1	5690	8179	8375	8380	8182	55	11	0	1
5691	8182	8380	8382	8184	55	11	0	1	5692	8184	8382	8384	8186	55	11	0	1
5693	8186	8384	8385	8188	55	11	0	1	5694	8188	8385	8387	8191	55	11	0	1
5695	8191	8387	8389	8193	55	11	0	1	5696	8193	8389	8391	8195	55	11	0	1
5697	8195	8391	8392	8197	55	11	0	1	5698	8197	8392	8393	8198	55	11	0	1
5699	8198	8393	8394	8200	55	11	0	1	5700	8200	8394	8398	8201	55	11	0	1
5701	8201	8398	8403	8207	55	11	0	1	5702	8358	8636	8641	8361	55	11	0	1
5703	8361	8641	8647	8365	55	11	0	1	5704	8365	8647	8653	8370	55	11	0	1
5705	8370	8653	8657	8375	55	11	0	1	5706	8375	8657	8659	8380	55	11	0	1
5707	8380	8659	8661	8382	55	11	0	1	5708	8382	8661	8662	8384	55	11	0	1
5709	8384	8662	8665	8385	55	11	0	1	5710	8385	8665	8666	8387	55	11	0	1
5711	8387	8666	8667	8389	55	11	0	1	5712	8389	8667	8669	8391	55	11	0	1
5713	8391	8669	8672	8392	55	11	0	1	5714	8392	8672	8673	8393	55	11	0	1
5715	8393	8673	8674	8394	55	11	0	1	5716	8394	8674	8676	8398	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
								Ind.									Ind.
5717	8398	8676	8682	8403	55	11	0	1	5718	8636	8927	8934	8641	55	11	0	1
5719	8641	8934	8943	8647	55	11	0	1	5720	8647	8943	8949	8653	55	11	0	1
5721	8653	8949	8953	8657	55	11	0	1	5722	8657	8953	8958	8659	55	11	0	1
5723	8659	8958	8961	8661	55	11	0	1	5724	8661	8961	8965	8662	55	11	0	1
5725	8662	8965	8969	8665	55	11	0	1	5726	8665	8969	8974	8666	55	11	0	1
5727	8666	8974	8978	8667	55	11	0	1	5728	8667	8978	8981	8669	55	11	0	1
5729	8669	8981	8984	8672	55	11	0	1	5730	8672	8984	8986	8673	55	11	0	1
5731	8673	8986	8989	8674	55	11	0	1	5732	8674	8989	9002	8676	55	11	0	1
5733	8676	9002	9020	8682	55	11	0	1	5734	8927	9263	9281	8934	55	11	0	1
5735	8934	9281	9290	8943	55	11	0	1	5736	8943	9290	9294	8949	55	11	0	1
5737	8949	9294	9296	8953	55	11	0	1	5738	8953	9296	9300	8958	55	11	0	1
5739	8958	9300	9304	8961	55	11	0	1	5740	8961	9304	9305	8965	55	11	0	1
5741	8965	9305	9308	8969	55	11	0	1	5742	8969	9308	9311	8974	55	11	0	1
5743	8974	9311	9313	8978	55	11	0	1	5744	8978	9313	9318	8981	55	11	0	1
5745	8981	9318	9321	8984	55	11	0	1	5746	8984	9321	9324	8986	55	11	0	1
5747	8986	9324	9326	8989	55	11	0	1	5748	8989	9326	9329	9002	55	11	0	1
5749	9002	9329	9344	9020	55	11	0	1	5750	9263	9515	9525	9281	55	11	0	1
5751	9281	9525	9535	9290	55	11	0	1	5752	9290	9535	9538	9294	55	11	0	1
5753	9294	9538	9541	9296	55	11	0	1	5754	9296	9541	9543	9300	55	11	0	1
5755	9300	9543	9558	9304	55	11	0	1	5756	9304	9558	9560	9305	55	11	0	1
5757	9305	9560	9563	9308	55	11	0	1	5758	9308	9563	9566	9311	55	11	0	1
5759	9311	9566	9567	9313	55	11	0	1	5760	9313	9567	9569	9318	55	11	0	1
5761	9318	9569	9570	9321	55	11	0	1	5762	9321	9570	9571	9324	55	11	0	1
5763	9324	9571	9573	9326	55	11	0	1	5764	9326	9573	9575	9329	55	11	0	1
5765	9329	9575	9615	9344	55	11	0	1	5766	9515	10129	10118	9525	55	11	0	1
5767	9525	10118	10115	9535	55	11	0	1	5768	9535	10115	10112	9538	55	11	0	1
5769	9538	10112	10110	9541	55	11	0	1	5770	9541	10110	10108	9543	55	11	0	1
5771	9543	10108	10106	9558	55	11	0	1	5772	9558	10106	10104	9560	55	11	0	1
5773	9560	10104	10100	9563	55	11	0	1	5774	9563	10100	10075	9566	55	11	0	1
5775	9566	10075	10073	9567	55	11	0	1	5776	9567	10073	10071	9569	55	11	0	1
5777	9569	10071	10069	9570	55	11	0	1	5778	9570	10069	10067	9571	55	11	0	1
5779	9571	10067	10065	9573	55	11	0	1	5780	9573	10065	10054	9575	55	11	0	1
5781	9575	10054	10052	9615	55	11	0	1	5782	10129	9515	9495	10128	55	11	0	2
5783	10128	9495	9491	10127	55	11	0	2	5784	10127	9491	9487	10126	55	11	0	1
5785	10126	9487	9486	10125	55	11	0	1	5786	10125	9486	9490	10124	55	11	0	1
5787	10124	9490	9494	10123	55	11	0	2	5788	10123	9494	9513	10139	55	11	0	2
5789	9515	9263	9238	9495	55	11	0	2	5790	9495	9238	9223	9491	55	11	0	2
5791	9491	9223	9216	9487	55	11	0	1	5792	9487	9216	9215	9486	55	11	0	1
5793	9486	9215	9222	9490	55	11	0	1	5794	9490	9222	9237	9494	55	11	0	2
5795	9494	9237	9261	9513	55	11	0	2	5796	9263	8927	8888	9238	55	11	0	2
5797	9238	8888	8870	9223	55	11	0	2	5798	9223	8870	8863	9216	55	11	0	1
5799	9216	8863	8862	9215	55	11	0	1	5800	9215	8862	8869	9222	55	11	0	1
5801	9222	8869	8887	9237	55	11	0	2	5802	9237	8887	8925	9261	55	11	0	2
5803	8927	8636	8535	8888	55	11	0	2	5804	8888	8535	8511	8870	55	11	0	2
5805	8870	8511	8510	8863	55	11	0	1	5806	8863	8510	8509	8862	55	11	0	1
5807	8862	8509	8508	8869	55	11	0	1	5808	8869	8508	8534	8887	55	11	0	2
5809	8887	8534	8634	8925	55	11	0	2	5810	8636	8358	8288	8535	55	11	0	2
5811	8535	8288	8248	8511	55	11	0	2	5812	8508	8247	8287	8534	55	11	0	2
5813	8534	8287	8356	8634	55	11	0	2	5814	8358	8169	8142	8288	55	11	0	2
5815	8288	8142	8053	8248	55	11	0	2	5816	8247	8052	8141	8287	55	11	0	2
5817	8287	8141	8167	8356	55	11	0	2	5818	8169	8014	7946	8142	55	11	0	2
5819	8142	7946	7867	8053	55	11	0	2	5820	8052	7866	7945	8141	55	11	0	2
5821	8141	7945	8012	8167	55	11	0	2	5822	8014	7824	7766	7946	55	11	0	2
5823	7946	7766	7681	7867	55	11	0	2	5824	7866	7680	7765	7945	55	11	0	2
5825	7945	7765	7822	8012	55	11	0	2	5826	7824	7629	7580	7766	55	11	0	2
5827	7766	7580	7498	7681	55	11	0	2	5828	7680	7497	7579	7765	55	11	0	2
5829	7765	7579	7627	7822	55	11	0	2	5830	7629	7463	7410	7580	55	11	0	2
5831	7580	7410	7371	7498	55	11	0	2	5832	7497	7368	7409	7579	55	11	0	2
5833	7579	7409	7461	7627	55	11	0	2	5834	7463	7213	7212	7410	55	11	0	2
5835	7410	7212	7211	7371	55	11	0	2	5836	7368	7208	7207	7409	55	11	0	2
5837	7409	7207	7205	7461	55	11	0	2	5838	7211	7210	7370	7371	55	11	0	1
5839	7210	7209	7369	7370	55	11	0	1	5840	7209	7208	7368	7369	55	11	0	1
5841	9608	9340	9341	9609	55	11	0	2	5842	9609	9341	9342	9610	55	11	0	2
5843	9340	9016	9017	9341	55	11	0	2	5844	9341	9017	9018	9342	55	11	0	2
5845	9016	8678	8679	9017	55	11	0	2	5846	9017	8679	8680	9018	55	11	0	2
5847	8678	8399	8400	8679	55	11	0	2	5848	8679	8400	8401	8680	55	11	0	2
5849	8399	8203	8204	8400	55	11	0	2	5850	8400	8204	8205	8401	55	11	0	2
5851	8203	7983	7984	8204	55	11	0	2	5852	8204	7984	7985	8205	55	11	0	2
5853	7983	7769	7770	7984	55	11	0	2	5854	7984	7770	7771	7985	55	11	0	2
5855	7769	7560	7561	7770	55	11	0	2	5856	7770	7561	7562	7771	55	11	0	2
5857	7560	7355	7356	7561	55	11	0	2	5858	7561	7356	7357	7562	55	11	0	2
5859	7355	6954	6956	7356	55	11	0	2	5860	7356	6956	6957	7357	55	11	0	2
5861	6957	6958	7358	7357	55	11	0	1	5862	6958	6959	7359	7358	55	11	0	1
5863	6959	6960	7360	7359	55	11	0	1	5864	6960	6961	7361	7360	55	11	0	1
5865	6961	6962	7362	7361	55	11	0	2	5866	7362	7564	7563	7361	55	11	0	2
5867	7564	7773	7772	7563	55	11	0	2	5868	7773	7987	7986	7772	55	11	0	2
5869	7987	8207	8206	7986	55	11	0	2	5870	8207	8403	8402	8206	55	11	0	2
5871	8403	8682	8681	8402	55	11	0	2	5872	8682	9020	9019	8681	55	11	0	2
5873	9020	9344	9343	9019	55	11	0	2	5874	9344	9615	9614	9343	55	11	0	2
5875	9615	10052	10051	9614	55	11	0	2	5876	10051	10050	9613	9614	55	11	0	1
5877	10050	10049	9612	9613	55	11	0	1	5878	10049	10048	9611	9612	55	11	0	1
5879	10048	10047	9610	9611	55	11	0	1	5880	10047	10045	9609	9610	55	11	0	2
5881	10045	10043	9608	9609	55	11	0	2	5882	10139	9514	9539	10116	55	11	0	2
5883	10116	9539	9557	10114	55	11	0	2	5884	10114	9557	9562	10113	55	11	0	1
5885	10113	9562	9565	10111	55	11	0	1	5886	10111	9565	9564	10109	55	11	0	1
5887	10109	9564	9561	10107	55	11	0	1	5888	10107	9561	9559	10105	55	11	0	1
5889	10105	9559	9542	10103	55	11	0	1	5890	10103	9542	9540	10097	55	11	0	1
5891	10097	9540	9537	10074	55	11	0	1	5892	10074	9537	9536	10072	55	11	0	1
5893	10072	9536	9534	10070	55	11	0	1	5894	10070	9534	9533	10068	55	11	0	1
5895	10068	9533	9532	10066	55	11	0	1	5896	10066	9532	9531	10064	55	11	0	1
5897	10064	9531	9528	10053	55	11	0	1	5898	10053	9528	9527	10044	55	11	0	1
5899	10044	9527	9526	10042	55	11	0	1	5900	10042	9526	9524	10035	55	11	0	1
5901	10035	9524	9523	10030	55	11	0	1	5902	10030	9523	9522	10020	55	11	0	1
5903	10020	9522	9521	10019	55	11	0	1	5904	10019	9521	9520	10018	55	11	0	1
5905	10018	9520	9519	10012	55	11	0	1	5906	10012	9519	9518	10009	55	11	0	1
5907	10009	9518	9516	10008	55	11	0	1	5908	10008	9516	9511	9977	55	11	0	1
5909	9514	9262	9297	9539	55	11	0	2	5910	9539	9297	9309	9557	55	11	0	2
5911	9557	9309	9314	9562	55	11	0	1	5912	9562	9314	9317	9565	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
5913	9565	9317	9315	9564	55	11	0	1	5914	9564	9315	9312	9561	55	11	0	1
5915	9561	9312	9307	9559	55	11	0	1	5916	9559	9307	9303	9542	55	11	0	1
5917	9542	9303	9298	9540	55	11	0	1	5918	9540	9298	9295	9537	55	11	0	1
5919	9537	9295	9293	9536	55	11	0	1	5920	9536	9293	9291	9534	55	11	0	1
5921	9534	9291	9289	9533	55	11	0	1	5922	9533	9289	9288	9532	55	11	0	1
5923	9532	9288	9287	9531	55	11	0	1	5924	9531	9287	9285	9528	55	11	0	1
5925	9528	9285	9284	9527	55	11	0	1	5926	9527	9284	9283	9526	55	11	0	1
5927	9526	9283	9282	9524	55	11	0	1	5928	9524	9282	9280	9523	55	11	0	1
5929	9523	9280	9279	9522	55	11	0	1	5930	9522	9279	9277	9521	55	11	0	1
5931	9521	9277	9270	9520	55	11	0	1	5932	9520	9270	9269	9519	55	11	0	1
5933	9519	9269	9267	9518	55	11	0	1	5934	9518	9267	9266	9516	55	11	0	1
5935	9516	9266	9259	9511	55	11	0	1	5936	9262	8926	8964	9297	55	11	0	2
5937	9297	8964	8988	9309	55	11	0	2	5938	9309	8988	8995	9314	55	11	0	1
5939	9314	8995	9001	9317	55	11	0	1	5940	9317	9001	8999	9315	55	11	0	1
5941	9315	8999	8991	9312	55	11	0	1	5942	9312	8991	8980	9307	55	11	0	1
5943	9307	8980	8968	9303	55	11	0	1	5944	9303	8968	8960	9298	55	11	0	1
5945	9298	8960	8954	9295	55	11	0	1	5946	9295	8954	8950	9293	55	11	0	1
5947	9293	8950	8948	9291	55	11	0	1	5948	9291	8948	8945	9289	55	11	0	1
5949	9289	8945	8944	9288	55	11	0	1	5950	9288	8944	8942	9287	55	11	0	1
5951	9287	8942	8940	9285	55	11	0	1	5952	9285	8940	8938	9284	55	11	0	1
5953	9284	8938	8937	9283	55	11	0	1	5954	9283	8937	8936	9282	55	11	0	1
5955	9282	8936	8935	9280	55	11	0	1	5956	9280	8935	8933	9279	55	11	0	1
5957	9279	8933	8932	9277	55	11	0	1	5958	9277	8932	8931	9270	55	11	0	1
5959	9270	8931	8930	9269	55	11	0	1	5960	9269	8930	8929	9267	55	11	0	1
5961	9267	8929	8928	9266	55	11	0	1	5962	9266	8928	8923	9259	55	11	0	1
5963	8926	8635	8671	8964	55	11	0	2	5964	8964	8671	8689	8988	55	11	0	2
5965	8988	8689	8688	8995	55	11	0	1	5966	8995	8688	8687	9001	55	11	0	1
5967	9001	8687	8686	8999	55	11	0	1	5968	8999	8686	8685	8991	55	11	0	1
5969	8991	8685	8677	8980	55	11	0	1	5970	8980	8677	8668	8968	55	11	0	1
5971	8968	8668	8663	8960	55	11	0	1	5972	8960	8663	8660	8954	55	11	0	1
5973	8954	8660	8658	8950	55	11	0	1	5974	8950	8658	8655	8948	55	11	0	1
5975	8948	8655	8654	8945	55	11	0	1	5976	8945	8654	8652	8944	55	11	0	1
5977	8944	8652	8651	8942	55	11	0	1	5978	8942	8651	8649	8940	55	11	0	1
5979	8940	8649	8648	8938	55	11	0	1	5980	8938	8648	8646	8937	55	11	0	1
5981	8937	8646	8645	8936	55	11	0	1	5982	8936	8645	8644	8935	55	11	0	1
5983	8935	8644	8643	8933	55	11	0	1	5984	8933	8643	8642	8932	55	11	0	1
5985	8932	8642	8640	8931	55	11	0	1	5986	8931	8640	8639	8930	55	11	0	1
5987	8930	8639	8638	8929	55	11	0	1	5988	8929	8638	8637	8928	55	11	0	1
5989	8928	8637	8632	8923	55	11	0	1	5990	8635	8357	8395	8671	55	11	0	2
5991	8671	8395	8407	8689	55	11	0	2	5992	8685	8406	8404	8677	55	11	0	1
5993	8677	8404	8396	8668	55	11	0	1	5994	8668	8396	8390	8663	55	11	0	1
5995	8663	8390	8386	8660	55	11	0	1	5996	8660	8386	8383	8658	55	11	0	1
5997	8658	8383	8381	8655	55	11	0	1	5998	8655	8381	8379	8654	55	11	0	1
5999	8654	8379	8377	8652	55	11	0	1	6000	8652	8377	8376	8651	55	11	0	1
6001	8651	8376	8373	8649	55	11	0	1	6002	8649	8373	8372	8648	55	11	0	1
6003	8648	8372	8371	8646	55	11	0	1	6004	8646	8371	8369	8645	55	11	0	1
6005	8645	8369	8368	8644	55	11	0	1	6006	8644	8368	8366	8643	55	11	0	1
6007	8643	8366	8364	8642	55	11	0	1	6008	8642	8364	8363	8640	55	11	0	1
6009	8640	8363	8362	8639	55	11	0	1	6010	8639	8362	8360	8638	55	11	0	1
6011	8638	8360	8359	8637	55	11	0	1	6012	8637	8359	8354	8632	55	11	0	1
6013	8357	8168	8211	8395	55	11	0	2	6014	8395	8211	8220	8407	55	11	0	2
6015	8406	8219	8216	8404	55	11	0	1	6016	8404	8216	8214	8396	55	11	0	1
6017	8396	8214	8210	8390	55	11	0	1	6018	8390	8210	8209	8386	55	11	0	1
6019	8386	8209	8202	8383	55	11	0	1	6020	8383	8202	8199	8381	55	11	0	1
6021	8381	8199	8196	8379	55	11	0	1	6022	8379	8196	8194	8377	55	11	0	1
6023	8377	8194	8192	8376	55	11	0	1	6024	8376	8192	8190	8373	55	11	0	1
6025	8373	8190	8189	8372	55	11	0	1	6026	8372	8189	8187	8371	55	11	0	1
6027	8371	8187	8185	8369	55	11	0	1	6028	8369	8185	8183	8368	55	11	0	1
6029	8368	8183	8181	8366	55	11	0	1	6030	8366	8181	8180	8364	55	11	0	1
6031	8364	8180	8178	8363	55	11	0	1	6032	8363	8178	8176	8362	55	11	0	1
6033	8362	8176	8173	8360	55	11	0	1	6034	8360	8173	8170	8359	55	11	0	1
6035	8359	8170	8165	8354	55	11	0	1	6036	8168	8013	8024	8211	55	11	0	2
6037	8211	8024	8034	8220	55	11	0	2	6038	8219	8033	8038	8216	55	11	0	1
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6041	8210	8039	8037	8209	55	11	0	1	6042	8209	8037	8035	8202	55	11	0	1
6043	8202	8035	8032	8199	55	11	0	1	6044	8199	8032	8031	8196	55	11	0	1
6045	8196	8031	8030	8194	55	11	0	1	6046	8194	8030	8029	8192	55	11	0	1
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6049	8189	8026	8025	8187	55	11	0	1	6050	8187	8025	8023	8185	55	11	0	1
6051	8185	8023	8022	8183	55	11	0	1	6052	8183	8022	8021	8181	55	11	0	1
6053	8181	8021	8020	8180	55	11	0	1	6054	8180	8020	8018	8178	55	11	0	1
6055	8178	8018	8017	8176	55	11	0	1	6056	8176	8017	8016	8173	55	11	0	1
6057	8173	8016	8015	8170	55	11	0	1	6058	8170	8015	8010	8165	55	11	0	1
6059	8013	7823	7801	8024	55	11	0	2	6060	8024	7801	7784	8034	55	11	0	2
6061	8033	7783	7798	8038	55	11	0	1	6062	8038	7798	7813	8040	55	11	0	1
6063	8040	7813	7830	8039	55	11	0	1	6064	8039	7830	7837	8037	55	11	0	1
6065	8037	7837	7841	8035	55	11	0	1	6066	8035	7841	7843	8032	55	11	0	1
6067	8032	7843	7842	8031	55	11	0	1	6068	8031	7842	7840	8030	55	11	0	1
6069	8030	7840	7839	8029	55	11	0	1	6070	8029	7839	7838	8028	55	11	0	1
6071	8028	7838	7836	8026	55	11	0	1	6072	8026	7836	7835	8025	55	11	0	1
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6075	8022	7833	7832	8021	55	11	0	1	6076	8021	7832	7831	8020	55	11	0	1
6077	8020	7831	7829	8018	55	11	0	1	6078	8018	7829	7828	8017	55	11	0	1
6079	8017	7828	7826	8016	55	11	0	1	6080	8016	7826	7825	8015	55	11	0	1
6081	8015	7825	7820	8010	55	11	0	1	6082	7823	7628	7597	7801	55	11	0	2
6083	7801	7597	7570	7784	55	11	0	2	6084	7783	7569	7595	7798	55	11	0	1
6085	7798	7595	7608	7813	55	11	0	1	6086	7813	7608	7617	7830	55	11	0	1
6087	7830	7617	7621	7837	55	11	0	1	6088	7837	7621	7638	7841	55	11	0	1
6089	7841	7638	7642	7843	55	11	0	1	6090	7843	7642	7645	7842	55	11	0	1
6091	7842	7645	7644	7840	55	11	0	1	6092	7840	7644	7643	7839	55	11	0	1
6093	7839	7643	7641	7838	55	11	0	1	6094	7838	7641	7640	7836	55	11	0	1
6095	7836	7640	7639	7835	55	11	0	1	6096	7835	7639	7637	7834	55	11	0	1
6097	7834	7637	7636	7833	55	11	0	1	6098	7833	7636	7635	7832	55	11	0	1
6099	7832	7635	7634	7831	55	11	0	1	6100	7831	7634	7633	7829	55	11	0	1
6101	7829	7633	7632	7828	55	11	0	1	6102	7828	7632	7631	7826	55	11	0	1
6103	7826	7631	7630	7825	55	11	0	1	6104	7825	7630	7625	7820	55	11	0	1
6105	7628	7462	7417	7597	55	11	0	2	6106	7597	7417	7367	7570	55	11	0	2
6107	7569	7363	7411	7595	55	11	0	1	6108	7595	7411	7440	7608	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
6109	7608	7440	7450	7617	55	11	0	1	6110	7617	7450	7455	7621	55	11	0	1
6111	7621	7455	7465	7638	55	11	0	1	6112	7638	7465	7474	7642	55	11	0	1
6113	7642	7474	7477	7645	55	11	0	1	6114	7645	7477	7479	7644	55	11	0	1
6115	7644	7479	7478	7643	55	11	0	1	6116	7643	7478	7476	7641	55	11	0	1
6117	7641	7476	7475	7640	55	11	0	1	6118	7640	7475	7473	7639	55	11	0	1
6119	7639	7473	7472	7637	55	11	0	1	6120	7637	7472	7471	7636	55	11	0	1
6121	7636	7471	7470	7635	55	11	0	1	6122	7635	7470	7469	7634	55	11	0	1
6123	7634	7469	7468	7633	55	11	0	1	6124	7633	7468	7467	7632	55	11	0	1
6125	7632	7467	7466	7631	55	11	0	1	6126	7631	7466	7464	7630	55	11	0	1
6127	7630	7464	7459	7625	55	11	0	1	6128	7462	7206	7111	7417	55	11	0	2
6129	7417	7111	7104	7367	55	11	0	2	6130	7363	7072	7066	7411	55	11	0	1
6131	7411	7066	7058	7440	55	11	0	1	6132	7440	7058	7051	7450	55	11	0	1
6133	7450	7051	7008	7455	55	11	0	1	6134	7455	7008	7002	7465	55	11	0	1
6135	7465	7002	6994	7474	55	11	0	1	6136	7474	6994	6988	7477	55	11	0	1
6137	7477	6988	6982	7479	55	11	0	1	6138	7479	6982	6974	7478	55	11	0	1
6139	7478	6974	6967	7476	55	11	0	1	6140	7476	6967	6955	7475	55	11	0	1
6141	7475	6955	6950	7473	55	11	0	1	6142	7473	6950	6937	7472	55	11	0	1
6143	7472	6937	6902	7471	55	11	0	1	6144	7471	6902	6895	7470	55	11	0	1
6145	7470	6895	6890	7469	55	11	0	1	6146	7469	6890	6879	7468	55	11	0	1
6147	7468	6879	6865	7467	55	11	0	1	6148	7467	6865	6859	7466	55	11	0	1
6149	7466	6859	6854	7464	55	11	0	1	6150	7464	6854	6767	7459	55	11	0	1
6151	7104	7098	7366	7367	55	11	0	1	6152	7098	7090	7365	7366	55	11	0	1
6153	7090	7080	7364	7365	55	11	0	1	6154	7080	7072	7363	7364	55	11	0	1
6155	9713	9497	9496	9712	55	11	0	1	6156	9712	9496	9493	9711	55	11	0	1
6157	9711	9493	9492	9710	55	11	0	1	6158	9710	9492	9489	9709	55	11	0	1
6159	9709	9489	9488	9708	55	11	0	1	6160	9708	9488	9485	9707	55	11	0	1
6161	9707	9485	9484	9706	55	11	0	1	6162	9706	9484	9483	9705	55	11	0	1
6163	9705	9483	9482	9704	55	11	0	1	6164	9704	9482	9481	9703	55	11	0	1
6165	9703	9481	9477	9702	55	11	0	1	6166	9702	9477	9475	9701	55	11	0	1
6167	9701	9475	9474	9700	55	11	0	1	6168	9700	9474	9473	9699	55	11	0	1
6169	9699	9473	9471	9698	55	11	0	2	6170	9497	9246	9240	9496	55	11	0	1
6171	9496	9240	9233	9493	55	11	0	1	6172	9493	9233	9230	9492	55	11	0	1
6173	9492	9230	9227	9489	55	11	0	1	6174	9489	9227	9221	9488	55	11	0	1
6175	9488	9221	9218	9485	55	11	0	1	6176	9485	9218	9212	9484	55	11	0	1
6177	9484	9212	9204	9483	55	11	0	1	6178	9483	9204	9192	9482	55	11	0	1
6179	9482	9192	9178	9481	55	11	0	1	6180	9481	9178	9164	9477	55	11	0	1
6181	9477	9164	9161	9475	55	11	0	1	6182	9475	9161	9160	9474	55	11	0	1
6183	9474	9160	9158	9473	55	11	0	1	6184	9473	9158	9156	9471	55	11	0	2
6185	9246	8896	8892	9240	55	11	0	1	6186	9240	8892	8889	9233	55	11	0	1
6187	9233	8889	8884	9230	55	11	0	1	6188	9230	8884	8879	9227	55	11	0	1
6189	9227	8879	8875	9221	55	11	0	1	6190	9221	8875	8872	9218	55	11	0	1
6191	9218	8872	8866	9212	55	11	0	1	6192	9212	8866	8858	9204	55	11	0	1
6193	9204	8858	8852	9192	55	11	0	1	6194	9192	8852	8847	9178	55	11	0	1
6195	9178	8847	8838	9164	55	11	0	1	6196	9164	8838	8837	9161	55	11	0	1
6197	9161	8837	8836	9160	55	11	0	1	6198	9160	8836	8835	9158	55	11	0	1
6199	9158	8835	8834	9156	55	11	0	2	6200	8896	8548	8543	8892	55	11	0	1
6201	8892	8543	8538	8889	55	11	0	1	6202	8889	8538	8536	8884	55	11	0	1
6203	8884	8536	8531	8879	55	11	0	1	6204	8879	8531	8527	8875	55	11	0	1
6205	8875	8527	8524	8872	55	11	0	1	6206	8872	8524	8520	8866	55	11	0	1
6207	8866	8520	8517	8858	55	11	0	1	6208	8858	8517	8507	8852	55	11	0	1
6209	8852	8507	8488	8847	55	11	0	1	6210	8847	8488	8472	8838	55	11	0	1
6211	8548	8293	8291	8543	55	11	0	1	6212	8543	8291	8289	8538	55	11	0	1
6213	8538	8289	8283	8536	55	11	0	1	6214	8536	8283	8278	8531	55	11	0	1
6215	8531	8278	8273	8527	55	11	0	1	6216	8527	8273	8271	8524	55	11	0	1
6217	8524	8271	8263	8520	55	11	0	1	6218	8520	8263	8253	8517	55	11	0	1
6219	8517	8253	8246	8507	55	11	0	1	6220	8507	8246	8242	8488	55	11	0	1
6221	8488	8242	8236	8472	55	11	0	1	6222	8293	8101	8100	8291	55	11	0	1
6223	8291	8100	8097	8289	55	11	0	1	6224	8289	8097	8093	8283	55	11	0	1
6225	8283	8093	8089	8278	55	11	0	1	6226	8278	8089	8082	8273	55	11	0	1
6227	8273	8082	8070	8271	55	11	0	1	6228	8271	8070	8062	8263	55	11	0	1
6229	8263	8062	8055	8253	55	11	0	1	6230	8253	8055	8050	8246	55	11	0	1
6231	8246	8050	8048	8242	55	11	0	1	6232	8242	8048	8046	8236	55	11	0	1
6233	8101	7888	7929	8100	55	11	0	1	6234	8100	7929	7935	8097	55	11	0	1
6235	8097	7935	7937	8093	55	11	0	1	6236	8093	7937	7933	8089	55	11	0	1
6237	8089	7933	7928	8082	55	11	0	1	6238	8082	7928	7886	8070	55	11	0	1
6239	8070	7886	7880	8062	55	11	0	1	6240	8062	7880	7873	8055	55	11	0	1
6241	8055	7873	7868	8050	55	11	0	1	6242	8050	7868	7865	8048	55	11	0	1
6243	8048	7865	7863	8046	55	11	0	1	6244	7888	7697	7751	7929	55	11	0	1
6245	7929	7751	7755	7935	55	11	0	1	6246	7935	7755	7761	7937	55	11	0	1
6247	7937	7761	7763	7933	55	11	0	1	6248	7933	7763	7758	7928	55	11	0	1
6249	7928	7758	7754	7886	55	11	0	1	6250	7886	7754	7752	7880	55	11	0	1
6251	7880	7752	7742	7873	55	11	0	1	6252	7873	7742	7690	7868	55	11	0	1
6253	7868	7690	7682	7865	55	11	0	1	6254	7865	7682	7678	7863	55	11	0	1
6255	7697	7504	7573	7751	55	11	0	1	6256	7751	7573	7581	7755	55	11	0	1
6257	7755	7581	7588	7761	55	11	0	1	6258	7761	7588	7591	7763	55	11	0	1
6259	7763	7591	7589	7758	55	11	0	1	6260	7758	7589	7585	7754	55	11	0	1
6261	7754	7585	7582	7752	55	11	0	1	6262	7752	7582	7576	7742	55	11	0	1
6263	7742	7576	7572	7690	55	11	0	1	6264	7690	7572	7545	7682	55	11	0	1
6265	7682	7545	7495	7678	55	11	0	1	6266	7504	7269	7401	7573	55	11	0	1
6267	7573	7401	7418	7581	55	11	0	1	6268	7581	7418	7430	7588	55	11	0	1
6269	7588	7430	7434	7591	55	11	0	1	6270	7591	7434	7435	7589	55	11	0	1
6271	7589	7435	7432	7585	55	11	0	1	6272	7585	7432	7428	7582	55	11	0	1
6273	7582	7428	7419	7576	55	11	0	1	6274	7576	7419	7412	7572	55	11	0	1
6275	7572	7412	7396	7545	55	11	0	1	6276	7545	7396	7268	7495	55	11	0	1
6277	7269	6273	6271	7401	55	11	0	1	6278	7401	6271	6270	7418	55	11	0	1
6279	7418	6270	6269	7430	55	11	0	1	6280	7430	6269	6268	7434	55	11	0	1
6281	7434	6268	6267	7435	55	11	0	1	6282	7435	6267	6266	7432	55	11	0	1
6283	7432	6266	6265	7428	55	11	0	1	6284	7428	6265	6264	7419	55	11	0	1
6285	7419	6264	6263	7412	55	11	0	1	6286	7412	6263	6262	7396	55	11	0	1
6287	7396	6262	6261	7268	55	11	0	1	6288	6261	6260	7267	7268	55	11	0	1
6289	6260	6259	7266	7267	55	11	0	1	6290	6259	6258	7265	7266	55	11	0	1
6291	6258	6257	7264	7265	55	11	0	2	6292	7264	7493	7494	7265	55	11	0	2
6293	7493	7676	7677	7494	55	11	0	2	6294	7676	7861	7862	7677	55	11	0	2
6295	7861	8044	8045	7862	55	11	0	2	6296	8044	8234	8235	8045	55	11	0	2
6297	8234	8470	8471	8235	55	11	0	2	6298	8470	8834	8835	8471	55	11	0	2
6299	9754	9509	9505	9737	55	11	0	1	6300	9737	9505	9504	9735	55	11	0	1
6301	9735	9504	9503	9733	55	11	0	1	6302	9733	9503	9502	9731	55	11	0	1
6303	9731	9502	9501	9729	55	11	0	1	6304	9729	9501	9500	9727	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
								Ind.									Ind.
6305	9727	9500	9499	9725	55	11	0	1	6306	9725	9499	9498	9723	55	11	0	1
6307	9723	9498	9497	9713	55	11	0	2	6308	9509	9257	9250	9505	55	11	0	1
6309	9505	9250	9249	9504	55	11	0	1	6310	9504	9249	9248	9503	55	11	0	1
6311	9503	9248	9242	9502	55	11	0	1	6312	9502	9242	9243	9501	55	11	0	1
6313	9501	9243	9244	9500	55	11	0	1	6314	9500	9244	9245	9499	55	11	0	1
6315	9499	9245	9247	9498	55	11	0	1	6316	9498	9247	9246	9497	55	11	0	2
6317	9257	8921	8917	9250	55	11	0	1	6318	9250	8917	8911	9249	55	11	0	1
6319	9249	8911	8907	9248	55	11	0	1	6320	9248	8907	8895	9242	55	11	0	1
6321	9242	8895	8900	9243	55	11	0	1	6322	9243	8900	8899	9244	55	11	0	1
6323	9244	8899	8898	9245	55	11	0	1	6324	9245	8898	8897	9247	55	11	0	1
6325	9247	8897	8896	9246	55	11	0	2	6326	8921	8630	8627	8917	55	11	0	1
6327	8917	8627	8624	8911	55	11	0	1	6328	8911	8624	8620	8907	55	11	0	1
6329	8907	8620	8617	8895	55	11	0	1	6330	8895	8617	8550	8900	55	11	0	1
6331	8630	8352	8350	8627	55	11	0	1	6332	8627	8350	8343	8624	55	11	0	1
6333	8624	8343	8338	8620	55	11	0	1	6334	8620	8338	8335	8617	55	11	0	1
6335	8617	8335	8295	8550	55	11	0	1	6336	8352	8163	8160	8350	55	11	0	1
6337	8350	8160	8157	8343	55	11	0	1	6338	8343	8157	8152	8338	55	11	0	1
6339	8338	8152	8147	8335	55	11	0	1	6340	8335	8147	8103	8295	55	11	0	1
6341	8163	8008	7992	8160	55	11	0	1	6342	8160	7992	7981	8157	55	11	0	1
6343	8157	7981	7970	8152	55	11	0	1	6344	8152	7970	7952	8147	55	11	0	1
6345	8147	7952	7890	8103	55	11	0	1	6346	8008	7818	7806	7992	55	11	0	1
6347	7992	7806	7790	7981	55	11	0	1	6348	7981	7790	7779	7970	55	11	0	1
6349	7970	7779	7756	7952	55	11	0	1	6350	7952	7756	7699	7890	55	11	0	1
6351	7818	7623	7614	7806	55	11	0	1	6352	7806	7614	7605	7790	55	11	0	1
6353	7790	7605	7594	7779	55	11	0	1	6354	7779	7594	7575	7756	55	11	0	1
6355	7756	7575	7506	7699	55	11	0	1	6356	7623	7457	7451	7614	55	11	0	1
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6359	7594	7431	7405	7575	55	11	0	1	6360	7575	7405	7274	7506	55	11	0	1
6361	7457	6325	6307	7451	55	11	0	1	6362	7451	6307	6303	7444	55	11	0	1
6363	7444	6303	6299	7431	55	11	0	1	6364	7431	6299	6295	7405	55	11	0	1
6365	7405	6295	6291	7274	55	11	0	1	6366	6291	6287	7273	7274	55	11	0	1
6367	6287	6283	7272	7273	55	11	0	1	6368	6283	6280	7271	7272	55	11	0	1
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6373	7888	8101	8102	7889	55	11	0	2	6374	8101	8293	8294	8102	55	11	0	2
6375	8293	8548	8549	8294	55	11	0	2	6376	8548	8896	8897	8549	55	11	0	2
6377	6325	7457	7448	6326	80	16	0	1	6378	6326	7448	7439	6327	80	16	0	1
6379	6327	7439	7425	6328	80	16	0	1	6380	6328	7425	7402	6329	80	16	0	1
6381	6329	7402	7275	6331	80	16	0	1	6382	7457	7623	7610	7448	80	16	0	1
6383	7448	7610	7602	7439	80	16	0	1	6384	7439	7602	7590	7425	80	16	0	1
6385	7425	7590	7574	7402	80	16	0	1	6386	7402	7574	7507	7275	80	16	0	1
6387	7623	7818	7802	7610	80	16	0	1	6388	7610	7802	7785	7602	80	16	0	1
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6391	7574	7753	7700	7507	80	16	0	1	6392	7818	8008	7990	7802	80	16	0	1
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6395	7774	7967	7947	7753	80	16	0	1	6396	7753	7947	7891	7700	80	16	0	1
6397	8008	8163	8159	7990	80	16	0	1	6398	7990	8159	8155	7977	80	16	0	1
6399	7977	8155	8151	7967	80	16	0	1	6400	7967	8151	8146	7947	80	16	0	1
6401	7947	8146	8104	7891	80	16	0	1	6402	8163	8352	8348	8159	80	16	0	1
6403	8159	8348	8342	8155	80	16	0	1	6404	8155	8342	8337	8151	80	16	0	1
6405	8151	8337	8334	8146	80	16	0	1	6406	8146	8334	8296	8104	80	16	0	1
6407	8352	8630	8628	8348	80	16	0	1	6408	8348	8628	8625	8342	80	16	0	1
6409	8342	8625	8621	8337	80	16	0	1	6410	8337	8621	8618	8334	80	16	0	1
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6413	8628	8919	8915	8625	80	16	0	1	6414	8625	8915	8910	8621	80	16	0	1
6415	8621	8910	8908	8618	80	16	0	1	6416	8618	8908	8901	8551	80	16	0	1
6417	8921	9257	9255	8919	80	16	0	1	6418	8919	9255	9252	8915	80	16	0	1
6419	8915	9252	9251	8910	80	16	0	1	6420	8910	9251	9254	8908	80	16	0	1
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6423	9255	9506	9507	9252	80	16	0	1	6424	9252	9507	9517	9251	80	16	0	1
6425	9251	9517	9529	9254	80	16	0	1	6426	9254	9529	9544	9271	80	16	0	1
6427	9509	9754	9755	9506	80	16	0	1	6428	9506	9755	9756	9507	80	16	0	1
6429	9507	9756	9757	9517	80	16	0	1	6430	9517	9757	9758	9529	80	16	0	1
6431	9529	9758	9759	9544	80	16	0	1	6432	9759	9761	9545	9544	55	11	0	2
6433	9761	9763	9546	9545	55	11	0	2	6434	9763	9765	9547	9546	55	11	0	1
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6439	7522	7715	7781	7583	55	11	0	1	6440	7715	7906	7962	7781	55	11	0	1
6441	7906	8119	8090	7962	55	11	0	1	6442	8119	8311	8258	8090	55	11	0	1
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6449	8575	8310	8274	8482	55	11	0	1	6450	8310	8118	8148	8274	55	11	0	1
6451	8118	7905	7930	8148	55	11	0	1	6452	7905	7714	7694	7930	55	11	0	1
6453	7714	7521	7501	7694	55	11	0	1	6454	7521	7305	7373	7501	55	11	0	1
6455	6603	6599	7373	7305	55	11	0	1	6456	6599	6595	7380	7373	55	11	0	1
6457	6595	6589	7392	7380	55	11	0	1	6458	6589	6585	7382	7392	55	11	0	1
6459	6581	7304	7382	6585	55	11	0	1	6460	7304	7520	7547	7382	55	11	0	1
6461	7520	7713	7693	7547	55	11	0	1	6462	7713	7904	7885	7693	55	11	0	1
6463	7904	8117	8095	7885	55	11	0	1	6464	8117	8309	8333	8095	55	11	0	1
6465	8309	8574	8494	8333	55	11	0	1	6466	8574	8811	8758	8494	55	11	0	1
6467	8574	8573	8821	8811	55	11	0	1	6468	8573	8572	8825	8821	55	11	0	1
6469	8572	8571	8822	8825	55	11	0	1	6470	8571	8478	8746	8822	55	11	0	1
6471	8571	8308	8264	8478	55	11	0	1	6472	8308	8116	8074	8264	55	11	0	1
6473	8116	7903	7938	8074	55	11	0	1	6474	7903	7712	7789	7938	55	11	0	1
6475	7712	7519	7652	7789	55	11	0	1	6476	7519	7300	7426	7652	55	11	0	1
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6481	7299	7518	7577	7400	55	11	0	1	6482	7518	7711	7696	7577	55	11	0	1
6483	7711	7902	7881	7696	55	11	0	1	6484	7902	8115	8072	7881	55	11	0	1
6485	8115	8307	8262	8072	55	11	0	1	6486	8307	8570	8479	8262	55	11	0	1
6487	8570	8772	8744	8479	55	11	0	1	6488	8570	8569	8793	8772	55	11	0	1
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6491	8567	8518	8777	8797	55	11	0	1	6492	8567	8306	8397	8518	55	11	0	1
6493	8306	8114	8213	8397	55	11	0	1	6494	8114	7901	7974	8213	55	11	0	1
6495	7901	7710	7749	7974	55	11	0	1	6496	7710	7517	7544	7749	55	11	0	1
6497	7517	7295	7377	7544	55	11	0	1	6498	6533	6529	7377	7295	55	11	0	1
6499	6529	6516	7395	7377	55	11	0	1	6500	6516	6509	7385	7395	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
6501	6505	7294	7385	6509	55	11	0	1	6502	7294	7516	7552	7385	55	11	0	1
6503	7516	7709	7745	7552	55	11	0	1	6504	7709	7900	7968	7745	55	11	0	1
6505	7900	8113	8172	7968	55	11	0	1	6506	8113	8305	8272	8172	55	11	0	1
6507	8305	8566	8477	8272	55	11	0	1	6508	8566	8809	8755	8477	55	11	0	1
6509	8566	8565	8816	8809	55	11	0	1	6510	8565	8564	8815	8816	55	11	0	1
6511	8564	8563	8810	8815	55	11	0	1	6512	8563	8515	8769	8810	55	11	0	1
6513	8563	8304	8378	8515	55	11	0	1	6514	8304	8112	8158	8378	55	11	0	1
6515	8112	7899	7939	8158	55	11	0	1	6516	7899	7708	7739	7939	55	11	0	1
6517	7708	7515	7503	7739	55	11	0	1	6518	7515	7290	7375	7503	55	11	0	1
6519	6491	6487	7375	7290	55	11	0	1	6520	6487	6483	7388	7375	55	11	0	1
6521	6483	6476	7381	7388	55	11	0	1	6522	6472	7289	7381	6476	55	11	0	1
6523	7289	7514	7548	7381	55	11	0	1	6524	7514	7707	7695	7548	55	11	0	1
6525	7707	7898	7934	7695	55	11	0	1	6526	7898	8111	8156	7934	55	11	0	1
6527	8111	8303	8374	8156	55	11	0	1	6528	8303	8562	8505	8374	55	11	0	1
6529	8562	8787	8765	8505	55	11	0	1	6530	8562	8561	8796	8787	55	11	0	1
6531	8561	8560	8794	8796	55	11	0	1	6532	8560	8559	8764	8794	55	11	0	1
6533	8559	8465	8710	8764	55	11	0	1	6534	8559	8302	8261	8465	55	11	0	1
6535	8302	8110	8076	8261	55	11	0	1	6536	8110	7897	7954	8076	55	11	0	1
6537	7897	7706	7797	7954	55	11	0	1	6538	7706	7513	7647	7797	55	11	0	1
6539	7513	7286	7415	7647	55	11	0	1	6540	6460	6456	7415	7286	55	11	0	1
6541	6456	6452	7407	7415	55	11	0	1	6542	6452	6445	7406	7407	55	11	0	1
6543	6441	7285	7406	6445	55	11	0	1	6544	7285	7512	7650	7406	55	11	0	1
6545	7512	7705	7812	7650	55	11	0	1	6546	7705	7896	7966	7812	55	11	0	1
6547	7896	8109	8087	7966	55	11	0	1	6548	8109	8301	8266	8087	55	11	0	1
6549	8301	8558	8474	8266	55	11	0	1	6550	8558	8778	8728	8474	55	11	0	1
6551	8558	8557	8803	8778	55	11	0	1	6552	8557	8556	8802	8803	55	11	0	1
6553	8556	8555	8790	8802	55	11	0	1	6554	8555	8502	8773	8790	55	11	0	1
6555	8555	8300	8332	8502	55	11	0	1	6556	8300	8108	8175	8332	55	11	0	1
6557	8108	7895	7969	8175	55	11	0	1	6558	7895	7704	7750	7969	55	11	0	1
6559	7704	7511	7502	7750	55	11	0	1	6560	7511	7282	7374	7502	55	11	0	1
6561	6427	6424	7374	7282	55	11	0	1	6562	6424	6420	7399	7374	55	11	0	1
6563	6420	6404	7403	7399	55	11	0	1	6564	6404	6391	7387	7403	55	11	0	1
6565	6385	7281	7387	6391	55	11	0	1	6566	7281	7510	7550	7387	55	11	0	1
6567	7510	7703	7743	7550	55	11	0	1	6568	7703	7894	7950	7743	55	11	0	1
6569	7894	8107	8149	7950	55	11	0	1	6570	8107	8299	8336	8149	55	11	0	1
6571	8299	8554	8540	8336	55	11	0	1	6572	8554	8904	8876	8540	55	11	0	1
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6579	9789	9791	9652	9595	55	11	0	1	6580	9791	9793	9671	9652	55	11	0	1
6581	9793	9794	9658	9671	55	11	0	1	6582	9794	9795	9663	9658	55	11	0	1
6583	9795	9796	9688	9663	55	11	0	1	6584	9796	9802	9689	9688	55	11	0	1
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6587	9805	9806	9643	9630	55	11	0	1	6588	9806	9807	9674	9643	55	11	0	1
6589	9807	9808	9677	9674	55	11	0	1	6590	9808	9809	9661	9677	55	11	0	1
6591	9809	9810	9650	9661	55	11	0	1	6592	9810	9816	9666	9650	55	11	0	1
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6597	9821	9822	9686	9685	55	11	0	1	6598	9822	9823	9672	9686	55	11	0	1
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6601	9837	9839	9588	9599	55	11	0	1	6602	9839	9840	9607	9588	55	11	0	1
6603	9840	9841	9625	9607	55	11	0	1	6604	9841	9842	9633	9625	55	11	0	1
6605	9842	9843	9662	9633	55	11	0	1	6606	9843	9844	9637	9662	55	11	0	1
6607	9844	9845	9622	9637	55	11	0	1	6608	9845	9852	9620	9622	55	11	0	1
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6611	9855	9856	9691	9593	55	11	0	1	6612	9856	9857	9693	9691	55	11	0	1
6613	9857	9858	9690	9693	55	11	0	1	6614	9858	9859	9684	9690	55	11	0	1
6615	9859	9860	9679	9684	55	11	0	1	6616	9860	9867	9682	9679	55	11	0	1
6617	9867	9869	9683	9682	55	11	0	1	6618	9869	9870	9676	9683	55	11	0	1
6619	9870	9871	9644	9676	55	11	0	1	6620	9871	9872	9659	9644	55	11	0	1
6621	9872	9873	9673	9659	55	11	0	1	6622	9873	9874	9668	9673	55	11	0	1
6623	9874	9875	9605	9668	55	11	0	1	6624	9875	9888	9580	9605	55	11	0	1
6625	9888	9890	9478	9580	55	11	0	1	6626	9891	9552	9478	9890	55	11	0	1
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6633	7907	7716	7777	7948	55	11	0	1	6634	7716	7523	7646	7777	55	11	0	1
6635	7523	7309	7481	7646	55	11	0	1	6636	6670	6665	7481	7309	55	11	0	1
6637	6665	6646	7391	7481	55	11	0	1	6638	6646	6619	7397	7391	55	11	0	1
6639	6615	7308	7397	6619	55	11	0	1	6640	7308	7522	7583	7397	55	11	0	1
6641	7939	7739	7736	7957	55	11	0	1	6642	7739	7503	7558	7736	55	11	0	1
6643	7503	7375	7388	7558	55	11	0	1	6644	7957	7736	7695	7934	55	11	0	1
6645	7736	7558	7548	7695	55	11	0	1	6646	7558	7388	7381	7548	55	11	0	1
6647	7974	7749	7767	8027	55	11	0	1	6648	7749	7544	7567	7767	55	11	0	1
6649	7544	7377	7395	7567	55	11	0	1	6650	8027	7767	7745	7968	55	11	0	1
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6653	7492	7663	7662	7491	55	11	0	1	6654	7662	7646	7481	7491	55	11	0	1
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6659	7663	7492	7583	7664	55	11	0	1	6660	7583	7781	7851	7664	55	11	0	1
6661	7851	7852	7663	7664	55	11	0	1	6662	7781	7962	7980	7851	55	11	0	1
6663	7962	8090	8091	7980	55	11	0	1	6664	7851	7980	7982	7852	55	11	0	1
6665	7980	8091	8144	7982	55	11	0	1	6666	7852	7982	7975	7827	55	11	0	1
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6669	7975	8145	8143	7948	55	11	0	1	6670	9652	9671	9420	9398	55	11	0	1
6671	9398	9420	9188	9150	55	11	0	1	6672	9150	9188	9041	9005	55	11	0	1
6673	9005	9041	8802	8790	55	11	0	1	6674	8175	7969	8036	8222	55	11	0	1
6675	7969	7750	7762	8036	55	11	0	1	6676	7750	7502	7568	7762	55	11	0	1
6677	7502	7374	7399	7568	55	11	0	1	6678	8222	8036	7979	8208	55	11	0	1
6679	8036	7762	7757	7979	55	11	0	1	6680	7762	7568	7571	7757	55	11	0	1
6681	7568	7399	7403	7571	55	11	0	1	6682	8208	7979	7950	8149	55	11	0	1
6683	7979	7757	7743	7950	55	11	0	1	6684	7757	7571	7550	7743	55	11	0	1
6685	7571	7403	7387	7550	55	11	0	1	6686	8345	8208	8149	8336	55	11	0	1
6687	8336	8540	8541	8345	55	11	0	1	6688	8405	8529	8502	8332	55	11	0	1
6689	8332	8175	8222	8405	55	11	0	1	6690	8408	8626	8650	8431	55	11	0	1
6691	8650	8529	8405	8431	55	11	0	1	6692	8222	8408	8431	8405	55	11	0	1
6693	8345	8541	8626	8408	55	11	0	1	6694	8408	8222	8208	8345	55	11	0	1
6695	8845	8650	8626	8849	55	11	0	1	6696	8849	8626	8541	8857	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
								Ind.									Ind.
6697	8857	8541	8540	8876	55	11	0	1	6698	9121	8845	8849	9124	55	11	0	1
6699	9124	8849	8857	9141	55	11	0	1	6700	9141	8857	8876	9198	55	11	0	1
6701	9378	9121	9124	9367	55	11	0	1	6702	9367	9578	9591	9378	55	11	0	1
6703	9141	9198	9470	9362	55	11	0	1	6704	9470	9578	9367	9362	55	11	0	1
6705	9367	9124	9141	9362	55	11	0	1	6706	9121	9378	9373	9110	55	11	0	1
6707	9378	9591	9595	9373	55	11	0	1	6708	9110	9373	9398	9150	55	11	0	1
6709	9373	9595	9652	9398	55	11	0	1	6710	8828	8773	8502	8529	55	11	0	1
6711	8529	8650	8845	8828	55	11	0	1	6712	8828	8845	9121	9110	55	11	0	1
6713	9005	8790	8773	8973	55	11	0	1	6714	8773	8828	9110	8973	55	11	0	1
6715	9110	9150	9005	8973	55	11	0	1	6716	7812	7966	7978	7856	55	11	0	1
6717	7856	7978	7996	7857	55	11	0	1	6718	7857	7996	7976	7855	55	11	0	1
6719	7855	7976	7954	7797	55	11	0	1	6720	7565	7647	7415	7407	55	11	0	1
6721	7407	7406	7650	7565	55	11	0	1	6722	7665	7857	7855	7673	55	11	0	1
6723	7855	7797	7647	7673	55	11	0	1	6724	7647	7565	7665	7673	55	11	0	1
6725	7856	7857	7665	7675	55	11	0	1	6726	7665	7565	7650	7675	55	11	0	1
6727	7650	7812	7856	7675	55	11	0	1	6728	7696	7881	7931	7786	55	11	0	1
6729	7786	7931	7887	7845	55	11	0	1	6730	7845	7887	7936	7846	55	11	0	1
6731	7846	7936	7938	7789	55	11	0	1	6732	7651	7427	7400	7577	55	11	0	1
6733	7577	7696	7786	7651	55	11	0	1	6734	7652	7426	7427	7651	55	11	0	1
6735	7845	7846	7669	7666	55	11	0	1	6736	7652	7651	7666	7669	55	11	0	1
6737	7846	7789	7652	7669	55	11	0	1	6738	7651	7786	7845	7666	55	11	0	1
6739	8795	8798	9039	9044	55	11	0	1	6740	9044	9039	9196	9208	55	11	0	1
6741	9208	9196	9413	9436	55	11	0	1	6742	9436	9413	9659	9673	55	11	0	1
6743	8542	8290	8286	8530	55	11	0	1	6744	8290	8143	8145	8286	55	11	0	1
6745	8530	8286	8270	8493	55	11	0	1	6746	8286	8145	8144	8270	55	11	0	1
6747	8493	8270	8249	8454	55	11	0	1	6748	8270	8144	8091	8249	55	11	0	1
6749	8454	8249	8258	8468	55	11	0	1	6750	8249	8091	8090	8258	55	11	0	1
6751	8767	8795	9044	9022	55	11	0	1	6752	9022	9044	9208	9203	55	11	0	1
6753	9203	9208	9436	9416	55	11	0	1	6754	9416	9436	9673	9668	55	11	0	1
6755	9140	9197	8874	8851	55	11	0	1	6756	8851	8840	9135	9140	55	11	0	1
6757	9380	9580	9478	9363	55	11	0	1	6758	9478	9197	9140	9363	55	11	0	1
6759	9140	9135	9380	9363	55	11	0	1	6760	8840	8957	9165	9135	55	11	0	1
6761	8957	9022	9203	9165	55	11	0	1	6762	9135	9165	9394	9380	55	11	0	1
6763	9165	9203	9416	9394	55	11	0	1	6764	9380	9394	9605	9580	55	11	0	1
6765	9394	9416	9668	9605	55	11	0	1	6766	8714	8767	9022	8957	55	11	0	1
6767	8851	8874	8542	8530	55	11	0	1	6768	8454	8468	8714	8691	55	11	0	1
6769	8714	8957	8840	8691	55	11	0	1	6770	8840	8493	8454	8691	55	11	0	1
6771	8840	8851	8530	8493	55	11	0	1	6772	7930	7694	7741	7960	55	11	0	1
6773	7694	7501	7556	7741	55	11	0	1	6774	7501	7373	7380	7556	55	11	0	1
6775	7960	7741	7737	7883	55	11	0	1	6776	7741	7556	7557	7737	55	11	0	1
6777	7556	7380	7392	7557	55	11	0	1	6778	7883	7737	7693	7885	55	11	0	1
6779	7737	7557	7547	7693	55	11	0	1	6780	7557	7392	7382	7547	55	11	0	1
6781	8148	7930	7960	8217	55	11	0	1	6782	8217	7960	7883	8077	55	11	0	1
6783	8077	7883	7885	8095	55	11	0	1	6784	8230	8077	8095	8333	55	11	0	1
6785	8748	8734	8516	8519	55	11	0	1	6786	8519	8494	8758	8748	55	11	0	1
6787	8519	8516	8417	8428	55	11	0	1	6788	8417	8230	8333	8428	55	11	0	1
6789	8333	8494	8519	8428	55	11	0	1	6790	8516	8734	8721	8487	55	11	0	1
6791	8487	8721	8720	8467	55	11	0	1	6792	8467	8720	8741	8482	55	11	0	1
6793	8341	8467	8482	8274	55	11	0	1	6794	8274	8148	8217	8341	55	11	0	1
6795	8487	8467	8341	8411	55	11	0	1	6796	8411	8417	8516	8487	55	11	0	1
6797	8411	8341	8217	8227	55	11	0	1	6798	8217	8077	8230	8227	55	11	0	1
6799	8230	8417	8411	8227	55	11	0	1	6800	9389	9644	9659	9413	55	11	0	1
6801	9413	9196	9163	9389	55	11	0	1	6802	9454	9461	9683	9676	55	11	0	1
6803	9676	9644	9389	9454	55	11	0	1	6804	9331	9119	9117	9333	55	11	0	1
6805	9333	9461	9454	9331	55	11	0	1	6806	9128	9119	9331	9327	55	11	0	1
6807	9331	9454	9389	9327	55	11	0	1	6808	9389	9163	9128	9327	55	11	0	1
6809	9196	9039	9007	9163	55	11	0	1	6810	9039	8798	8780	9007	55	11	0	1
6811	9163	9007	8975	9128	55	11	0	1	6812	9007	8780	8741	8975	55	11	0	1
6813	9128	8975	8952	9119	55	11	0	1	6814	8975	8741	8720	8952	55	11	0	1
6815	9119	8952	8941	9117	55	11	0	1	6816	8952	8720	8721	8941	55	11	0	1
6817	8811	8821	9079	9069	55	11	0	1	6818	9069	9079	9310	9265	55	11	0	1
6819	9265	9310	9460	9451	55	11	0	1	6820	9451	9460	9690	9684	55	11	0	1
6821	9265	9451	9448	9210	55	11	0	1	6822	9451	9684	9679	9448	55	11	0	1
6823	9210	9448	9458	9322	55	11	0	1	6824	9448	9679	9682	9458	55	11	0	1
6825	9322	9458	9461	9333	55	11	0	1	6826	9458	9682	9683	9461	55	11	0	1
6827	9322	9333	9117	9112	55	11	0	1	6828	9112	9117	8941	8939	55	11	0	1
6829	8939	8941	8721	8734	55	11	0	1	6830	8939	8734	8748	8959	55	11	0	1
6831	8959	8748	8758	9026	55	11	0	1	6832	9026	8758	8811	9069	55	11	0	1
6833	9112	8939	8959	9109	55	11	0	1	6834	8959	9026	9210	9109	55	11	0	1
6835	9210	9322	9112	9109	55	11	0	1	6836	9026	9069	9265	9210	55	11	0	1
6837	8224	8213	7974	8027	55	11	0	1	6838	8027	7968	8172	8224	55	11	0	1
6839	8724	8711	8441	8450	55	11	0	1	6840	8450	8477	8755	8724	55	11	0	1
6841	8450	8441	8224	8292	55	11	0	1	6842	8224	8172	8272	8292	55	11	0	1
6843	8272	8477	8450	8292	55	11	0	1	6844	8397	8213	8224	8441	55	11	0	1
6845	8518	8397	8441	8544	55	11	0	1	6846	8441	8711	8775	8544	55	11	0	1
6847	8775	8777	8518	8544	55	11	0	1	6848	8074	7938	7936	8069	55	11	0	1
6849	8069	7936	7887	8054	55	11	0	1	6850	8054	7887	7931	8071	55	11	0	1
6851	8071	7931	7881	8072	55	11	0	1	6852	8479	8744	8727	8466	55	11	0	1
6853	8466	8727	8723	8506	55	11	0	1	6854	8506	8723	8703	8503	55	11	0	1
6855	8071	8072	8262	8282	55	11	0	1	6856	8282	8231	8054	8071	55	11	0	1
6857	8506	8503	8419	8425	55	11	0	1	6858	8419	8231	8282	8425	55	11	0	1
6859	8282	8466	8506	8425	55	11	0	1	6860	8282	8262	8479	8466	55	11	0	1
6861	8503	8703	8695	8490	55	11	0	1	6862	8490	8695	8694	8456	55	11	0	1
6863	8456	8694	8746	8478	55	11	0	1	6864	8069	8054	8231	8277	55	11	0	1
6865	8277	8264	8074	8069	55	11	0	1	6866	8456	8478	8264	8277	55	11	0	1
6867	8419	8503	8490	8422	55	11	0	1	6868	8490	8456	8277	8422	55	11	0	1
6869	8277	8231	8419	8422	55	11	0	1	6870	8711	8724	9013	8996	55	11	0	1
6871	8996	9064	8775	8711	55	11	0	1	6872	9379	9599	9588	9334	55	11	0	1
6873	8996	9013	9183	9142	55	11	0	1	6874	9183	9379	9334	9142	55	11	0	1
6875	9334	9064	8996	9142	55	11	0	1	6876	8724	8755	9050	9013	55	11	0	1
6877	8755	8809	9068	9050	55	11	0	1	6878	8809	8816	9073	9068	55	11	0	1
6879	9013	9050	9234	9183	55	11	0	1	6880	9050	9068	9278	9234	55	11	0	1
6881	9068	9073	9268	9278	55	11	0	1	6882	9183	9234	9422	9379	55	11	0	1
6883	9234	9278	9447	9422	55	11	0	1	6884	9278	9268	9449	9447	55	11	0	1
6885	9379	9422	9632	9599	55	11	0	1	6886	9422	9447	9672	9632	55	11	0	1
6887	9447	9449	9686	9672	55	11	0	1	6888	9090	9079	8821	8825	55	11	0	1
6889	8825	8822	9083	9090	55	11	0	1	6890	9090	9083	9354	9328	55	11	0	1
6891	9328	9310	9079	9090	55	11	0	1	6892	9463	9693	9690	9460	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
6893	9460	9310	9328	9463	55	11	0	1
6895	9354	9593	9691	9468	55	11	0	1
6897	9618	9593	9354	9375	55	11	0	1
6899	9155	9375	9354	9145	55	11	0	1
6901	8990	9062	9155	9145	55	11	0	1
6903	8846	9062	8990	8843	55	11	0	1
6905	8990	9083	8822	8746	55	11	0	1
6907	8703	8723	8946	8854	55	11	0	1
6909	9062	8846	8854	9066	55	11	0	1
6911	9130	9155	9062	9066	55	11	0	1
6913	8777	8775	9064	9033	55	11	0	1
6915	9169	9036	9033	9143	55	11	0	1
6917	9334	9374	9169	9143	55	11	0	1
6919	9625	9633	9409	9396	55	11	0	1
6921	9662	9637	9405	9419	55	11	0	1
6923	9622	9620	9381	9390	55	11	0	1
6925	9396	9409	9193	9181	55	11	0	1
6927	9419	9405	9177	9187	55	11	0	1
6929	9390	9381	9130	9154	55	11	0	1
6931	9181	9193	9038	9040	55	11	0	1
6933	9187	9177	9003	9031	55	11	0	1
6935	9154	9130	8946	8982	55	11	0	1
6937	9040	9038	8793	8800	55	11	0	1
6939	9031	9003	8744	8772	55	11	0	1
6941	8982	8946	8723	8727	55	11	0	1
6943	8215	8158	7939	7957	55	11	0	1
6945	8751	8702	8430	8522	55	11	0	1
6947	8430	8215	8156	8374	55	11	0	1
6949	8515	8378	8430	8525	55	11	0	1
6951	8752	8769	8515	8525	55	11	0	1
6953	8086	7976	7996	8063	55	11	0	1
6955	8096	7978	7966	8087	55	11	0	1
6957	8455	8693	8696	8489	55	11	0	1
6959	8281	8232	8063	8096	55	11	0	1
6961	8489	8499	8418	8423	55	11	0	1
6963	8281	8455	8489	8423	55	11	0	1
6965	8499	8700	8699	8491	55	11	0	1
6967	8458	8697	8710	8465	55	11	0	1
6969	8279	8261	8076	8086	55	11	0	1
6971	8418	8499	8491	8424	55	11	0	1
6973	8279	8232	8418	8424	55	11	0	1
6975	9047	9041	9188	9211	55	11	0	1
6977	9429	9420	9671	9658	55	11	0	1
6979	9665	9675	9446	9443	55	11	0	1
6981	9685	9686	9449	9450	55	11	0	1
6983	9443	9446	9239	9225	55	11	0	1
6985	9450	9449	9268	9253	55	11	0	1
6987	9225	9239	9061	9048	55	11	0	1
6989	9253	9268	9073	9070	55	11	0	1
6991	9048	9061	8810	8769	55	11	0	1
6993	9070	9073	8816	8815	55	11	0	1
6995	9643	9674	9433	9424	55	11	0	1
6997	9677	9661	9437	9440	55	11	0	1
6999	9650	9666	9428	9430	55	11	0	1
7001	9407	9424	9179	9151	55	11	0	1
7003	9433	9440	9205	9201	55	11	0	1
7005	9437	9430	9199	9202	55	11	0	1
7007	9428	9431	9209	9195	55	11	0	1
7009	9179	9201	9042	9021	55	11	0	1
7011	9205	9202	9035	9043	55	11	0	1
7013	9199	9195	9004	9015	55	11	0	1
7015	8985	9021	8794	8764	55	11	0	1
7017	9042	9043	8787	8796	55	11	0	1
7019	9035	9015	8751	8765	55	11	0	1
7021	9004	9027	8752	8702	55	11	0	1
7023	9407	9151	9224	9404	55	11	0	1
7025	8710	8697	8868	8886	55	11	0	1
7027	9151	8985	8886	9086	55	11	0	1
7029	8778	8803	9047	9028	55	11	0	1
7031	9189	9211	9429	9426	55	11	0	1
7033	9364	9172	9147	9348	55	11	0	1
7035	9426	9466	9364	9348	55	11	0	1
7037	9377	9365	9476	9469	55	11	0	1
7039	9603	9404	9377	9469	55	11	0	1
7041	9476	9365	9364	9466	55	11	0	1
7043	9377	9226	9207	9365	55	11	0	1
7045	9207	9226	9094	9084	55	11	0	1
7047	9084	9094	8861	8856	55	11	0	1
7049	8856	8861	8699	8700	55	11	0	1
7051	9172	9207	9084	9071	55	11	0	1
7053	8848	8856	8700	8696	55	11	0	1
7055	8977	9028	9189	9147	55	11	0	1
7057	8848	8696	8693	8842	55	11	0	1
7059	8977	9071	8848	8842	55	11	0	1
7061	9893	9897	9554	9553	55	11	0	1
7063	9900	9901	9556	9555	55	11	0	1
7065	9556	9530	9264	9276	55	11	0	2
7067	8906	8914	8623	8580	55	11	0	2
7069	8313	8340	8153	8121	55	11	0	2
7071	7908	7972	7775	7717	55	11	0	2
7073	7524	7586	7413	7313	55	11	0	2
7075	9905	9907	9510	9530	55	11	0	2
7077	9264	9258	8922	8914	55	11	0	2
7079	8623	8631	8353	8340	55	11	0	2
7081	8153	8164	8009	7972	55	11	0	2
7083	7775	7819	7624	7586	55	11	0	2
7085	7413	7458	6699	6695	55	11	0	2
7087	6686	6681	7311	7312	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
6894	9463	9328	9354	9468	55	11	0	1
6896	9691	9693	9463	9468	55	11	0	1
6898	9375	9381	9620	9618	55	11	0	1
6900	9354	9083	8990	9145	55	11	0	1
6902	8694	8695	8846	8843	55	11	0	1
6904	8990	8746	8694	8843	55	11	0	1
6906	9130	9381	9375	9155	55	11	0	1
6908	8854	8846	8695	8703	55	11	0	1
6910	8854	8946	9130	9066	55	11	0	1
6912	9033	9036	8797	8777	55	11	0	1
6914	9334	9588	9607	9374	55	11	0	1
6916	9033	9064	9334	9143	55	11	0	1
6918	9607	9625	9396	9374	55	11	0	1
6920	9633	9662	9419	9409	55	11	0	1
6922	9637	9622	9390	9405	55	11	0	1
6924	9374	9396	9181	9169	55	11	0	1
6926	9409	9419	9187	9193	55	11	0	1
6928	9405	9390	9154	9177	55	11	0	1
6930	9169	9181	9040	9036	55	11	0	1
6932	9193	9187	9031	9038	55	11	0	1
6934	9177	9154	8982	9003	55	11	0	1
6936	9036	9040	8800	8797	55	11	0	1
6938	9038	9031	8772	8793	55	11	0	1
6940	9003	8982	8727	8744	55	11	0	1
6942	7957	7934	8156	8215	55	11	0	1
6944	8505	8765	8751	8522	55	11	0	1
6946	8430	8374	8505	8522	55	11	0	1
6948	8378	8158	8215	8430	55	11	0	1
6950	8430	8702	8752	8525	55	11	0	1
6952	8076	7954	7976	8086	55	11	0	1
6954	8063	7996	7978	8096	55	11	0	1
6956	8474	8728	8693	8455	55	11	0	1
6958	8489	8696	8700	8499	55	11	0	1
6960	8096	8087	8266	8281	55	11	0	1
6962	8418	8232	8281	8423	55	11	0	1
6964	8281	8266	8474	8455	55	11	0	1
6966	8491	8699	8697	8458	55	11	0	1
6968	8086	8063	8232	8279	55	11	0	1
6970	8458	8465	8261	8279	55	11	0	1
6972	8491	8458	8279	8424	55	11	0	1
6974	8803	8802	9041	9047	55	11	0	1
6976	9211	9188	9420	9429	55	11	0	1
6978	9670	9665	9443	9431	55	11	0	1
6980	9675	9685	9450	9446	55	11	0	1
6982	9431	9443	9225	9209	55	11	0	1
6984	9446	9450	9253	9239	55	11	0	1
6986	9209	9225	9048	9027	55	11	0	1
6988	9239	9253	9070	9061	55	11	0	1
6990	9027	9048	8769	8752	55	11	0	1
6992	9061	9070	8815	8810	55	11	0	1
6994	9630	9643	9424	9407	55	11	0	1
6996	9674	9677	9440	9433	55	11	0	1
6998	9661	9650	9430	9437	55	11	0	1
7000	9666	9670	9431	9428	55	11	0	1
7002	9424	9433	9201	9179	55	11	0	1
7004	9440	9437	9202	9205	55	11	0	1
7006	9430	9428	9195	9199	55	11	0	1
7008	9151	9179	9021	8985	55	11	0	1
7010	9201	9205	9043	9042	55	11	0	1
7012	9202	9199	9015	9035	55	11	0	1
7014	9195	9209	9027	9004	55	11	0	1
7016	9021	9042	8796	8794	55	11	0	1
7018	9043	9035	8765	8787	55	11	0	1
7020	9015	9004	8702	8751	55	11	0	1
7022	9404	9603	9630	9407	55	11	0	1
7024	8886	8985	8764	8710	55	11	0	1
7026	9095	9224	9151	9086	55	11	0	1
7028	8886	8868	9095	9086	55	11	0	1
7030	9028	9047	9211	9189	55	11	0	1
7032	9426	9429	9658	9663	55	11	0	1
7034	9147	9189	9426	9348	55	11	0	1
7036	9426	9663	9688	9466	55	11	0	1
7038	9476	9689	9603	9469	55	11	0	1
7040	9466	9688	9689	9476	55	11	0	1
7042	9404	9224	9226	9377	55	11	0	1
7044	9365	9207	9172	9364	55	11	0	1
7046	9226	9224	9095	9094	55	11	0	1
7048	9094	9095	8868	8861	55	11	0	1
7050	8861	8868	8697	8699	55	11	0	1
7052	9071	9084	8856	8848	55	11	0	1
7054	9147	9172	9071	8977	55	11	0	1
7056	8728	8778	9028	8977	55	11	0	1
7058	8693	8728	8977	8842	55	11	0	1
7060	9891	9893	9553	9552	55	11	0	1
7062	9897	9900	9555	9554	55	11	0	1
7064	9901	9905	9530	9556	55	11	0	2
7066	9276	9264	8914	8906	55	11	0	2
7068	8580	8623	8340	8313	55	11	0	2
7070	8121	8153	7972	7908	55	11	0	2
7072	7717	7775	7586	7524	55	11	0	2
7074	7313	7413	6695	6691	55	11	0	2
7076	9530	9510	9258	9264	55	11	0	2
7078	8914	8922	8631	8623	55	11	0	2
7080	8340	8353	8164	8153	55	11	0	2
7082	7972	8009	7819	7775	55	11	0	2
7084	7586	7624	7458	7413	55	11	0	2
7086	6691	6686	7312	7313	55	11	0	1
7088	6681	6675	7310	7311	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
7089	6675	6670	7309	7310	55	11	0	1	7090	6615	6611	7307	7308	55	11	0	1
7091	6611	6607	7306	7307	55	11	0	1	7092	6607	6603	7305	7306	55	11	0	1
7093	6581	6577	7303	7304	55	11	0	1	7094	6577	6573	7302	7303	55	11	0	1
7095	6573	6571	7301	7302	55	11	0	1	7096	6571	6567	7300	7301	55	11	0	1
7097	6547	6543	7298	7299	55	11	0	1	7098	6543	6539	7297	7298	55	11	0	1
7099	6539	6537	7296	7297	55	11	0	1	7100	6537	6533	7295	7296	55	11	0	1
7101	6505	6501	7293	7294	55	11	0	1	7102	6501	6497	7292	7293	55	11	0	1
7103	6497	6493	7291	7292	55	11	0	1	7104	6493	6491	7290	7291	55	11	0	1
7105	6472	6468	7288	7289	55	11	0	1	7106	6468	6464	7287	7288	55	11	0	1
7107	6464	6460	7286	7287	55	11	0	1	7108	6441	6436	7284	7285	55	11	0	1
7109	6436	6432	7283	7284	55	11	0	1	7110	6432	6427	7282	7283	55	11	0	1
7111	6385	6380	7280	7281	55	11	0	1	7112	6380	6374	7279	7280	55	11	0	1
7113	6374	6368	7278	7279	55	11	0	1	7114	6368	6362	7277	7278	55	11	0	1
7115	6362	6358	7276	7277	55	11	0	2	7116	6358	6331	7275	7276	55	11	0	2
7117	7275	7507	7508	7276	55	11	0	2	7118	7276	7508	7509	7277	55	11	0	2
7119	7507	7700	7701	7508	55	11	0	2	7120	7508	7701	7702	7509	55	11	0	2
7121	7700	7891	7892	7701	55	11	0	2	7122	7701	7892	7893	7702	55	11	0	2
7123	7891	8104	8105	7892	55	11	0	2	7124	7892	8105	8106	7893	55	11	0	2
7125	8104	8296	8297	8105	55	11	0	2	7126	8105	8297	8298	8106	55	11	0	2
7127	8296	8551	8552	8297	55	11	0	2	7128	8297	8552	8553	8298	55	11	0	2
7129	8551	8901	8902	8552	55	11	0	2	7130	8552	8902	8903	8553	55	11	0	2
7131	8901	9271	9272	8902	55	11	0	2	7132	8902	9272	9273	8903	55	11	0	2
7133	9271	9544	9545	9272	55	11	0	2	7134	9272	9545	9546	9273	55	11	0	2
7135	9975	9974	9647	9587	55	11	0	2	7136	9974	9973	9669	9647	55	11	0	1
7137	9973	9972	9646	9669	55	11	0	1	7138	9972	9971	9606	9646	55	11	0	1
7139	9971	9970	9586	9606	55	11	0	1	7140	9970	9969	9649	9586	55	11	0	1
7141	9969	9968	9628	9649	55	11	0	1	7142	9968	9967	9648	9628	55	11	0	1
7143	9967	9966	9657	9648	55	11	0	1	7144	9966	9965	9654	9657	55	11	0	1
7145	9965	9964	9639	9654	55	11	0	1	7146	9964	9963	9640	9639	55	11	0	1
7147	9963	9962	9629	9640	55	11	0	1	7148	9962	9961	9616	9629	55	11	0	1
7149	9961	9960	9631	9616	55	11	0	1	7150	9960	9959	9695	9631	55	11	0	1
7151	9959	9958	9692	9695	55	11	0	1	7152	9958	9957	9681	9692	55	11	0	1
7153	9957	9956	9664	9681	55	11	0	1	7154	9956	9955	9678	9664	55	11	0	1
7155	9955	9954	9626	9678	55	11	0	1	7156	9954	9953	9623	9626	55	11	0	1
7157	9953	9952	9583	9623	55	11	0	1	7158	9952	9951	9598	9583	55	11	0	1
7159	9951	9950	9653	9598	55	11	0	1	7160	9950	9949	9642	9653	55	11	0	1
7161	9949	9948	9604	9642	55	11	0	1	7162	9948	9947	9619	9604	55	11	0	1
7163	9947	9946	9601	9619	55	11	0	1	7164	9946	9945	9656	9601	55	11	0	1
7165	9945	9944	9636	9656	55	11	0	1	7166	9944	9943	9638	9636	55	11	0	1
7167	9943	9942	9641	9638	55	11	0	1	7168	9942	9941	9634	9641	55	11	0	1
7169	9941	9940	9635	9634	55	11	0	1	7170	9940	9939	9624	9635	55	11	0	1
7171	9939	9938	9596	9624	55	11	0	1	7172	9938	9937	9572	9596	55	11	0	1
7173	9937	9936	9576	9572	55	11	0	1	7174	9936	9935	9582	9576	55	11	0	1
7175	9935	9934	9589	9582	55	11	0	1	7176	9934	9933	9585	9589	55	11	0	1
7177	9933	9932	9590	9585	55	11	0	1	7178	9932	9931	9667	9590	55	11	0	1
7179	9931	9930	9687	9667	55	11	0	1	7180	9930	9929	9696	9687	55	11	0	1
7181	9929	9928	9694	9696	55	11	0	1	7182	9928	9927	9680	9694	55	11	0	1
7183	9927	9926	9617	9680	55	11	0	1	7184	9926	9925	9600	9617	55	11	0	1
7185	9925	9924	9594	9600	55	11	0	1	7186	9924	9923	9597	9594	55	11	0	1
7187	9923	9922	9592	9597	55	11	0	1	7188	9922	9921	9602	9592	55	11	0	1
7189	9921	9920	9627	9602	55	11	0	1	7190	9920	9919	9655	9627	55	11	0	1
7191	9919	9918	9660	9655	55	11	0	1	7192	9918	9917	9651	9660	55	11	0	1
7193	9917	9916	9645	9651	55	11	0	2	7194	9916	9915	9621	9645	55	11	0	2
7195	9915	9914	9584	9621	55	11	0	2	7196	9914	9913	9581	9584	55	11	0	1
7197	9913	9912	9579	9581	55	11	0	1	7198	9912	9911	9577	9579	55	11	0	1
7199	9911	9910	9574	9577	55	11	0	1	7200	9910	9909	9568	9574	55	11	0	2
7201	9907	9510	9568	9909	55	11	0	2	7202	9510	9258	9323	9568	55	11	0	2
7203	9258	8922	9010	9323	55	11	0	2	7204	8922	8631	8684	9010	55	11	0	2
7205	8631	8353	8367	8684	55	11	0	2	7206	8353	8164	8154	8367	55	11	0	2
7207	8164	8009	7971	8154	55	11	0	2	7208	8009	7819	7776	7971	55	11	0	2
7209	7819	7624	7587	7776	55	11	0	2	7210	7624	7458	7414	7587	55	11	0	2
7211	6699	6700	7414	7458	55	11	0	2	7212	6701	7314	7414	6700	55	11	0	2
7213	7314	7525	7587	7414	55	11	0	2	7214	7525	7718	7776	7587	55	11	0	2
7215	7718	7909	7971	7776	55	11	0	2	7216	7909	8122	8154	7971	55	11	0	2
7217	8122	8314	8367	8154	55	11	0	2	7218	8314	8581	8684	8367	55	11	0	2
7219	8581	8832	8841	8684	55	11	0	2	7220	8581	8582	8831	8832	55	11	0	1
7221	8582	8583	8829	8831	55	11	0	1	7222	8583	8584	8824	8829	55	11	0	1
7223	8584	8484	8782	8824	55	11	0	2	7224	8584	8315	8259	8484	55	11	0	2
7225	8315	8123	8073	8259	55	11	0	2	7226	8123	7910	7944	8073	55	11	0	2
7227	7910	7719	7804	7944	55	11	0	2	7228	7719	7526	7657	7804	55	11	0	2
7229	7526	7317	7423	7657	55	11	0	2	7230	6704	6705	7423	7317	55	11	0	2
7231	6705	6706	7420	7423	55	11	0	2	7232	6707	7318	7420	6706	55	11	0	2
7233	7318	7527	7654	7420	55	11	0	2	7234	7527	7720	7808	7654	55	11	0	2
7235	7720	7911	7956	7808	55	11	0	2	7236	7911	8124	8079	7956	55	11	0	2
7237	8124	8316	8254	8079	55	11	0	2	7238	8316	8585	8469	8254	55	11	0	2
7239	8585	8785	8750	8469	55	11	0	2	7240	8585	8586	8806	8785	55	11	0	1
7241	8586	8587	8812	8806	55	11	0	1	7242	8587	8588	8808	8812	55	11	0	1
7243	8588	8481	8770	8808	55	11	0	1	7244	8588	8317	8250	8481	55	11	0	1
7245	8317	8125	8058	8250	55	11	0	1	7246	8125	7912	7876	8058	55	11	0	1
7247	7912	7721	7746	7876	55	11	0	1	7248	7721	7528	7593	7746	55	11	0	1
7249	7528	7322	7482	7593	55	11	0	1	7250	6711	6712	7482	7322	55	11	0	1
7251	6712	6713	7485	7482	55	11	0	1	7252	6714	7323	7485	6713	55	11	0	1
7253	7323	7529	7599	7485	55	11	0	1	7254	7529	7722	7748	7599	55	11	0	1
7255	7722	7913	7877	7748	55	11	0	1	7256	7913	8126	8056	7877	55	11	0	1
7257	8126	8318	8244	8056	55	11	0	1	7258	8318	8589	8460	8244	55	11	0	1
7259	8589	8818	8742	8460	55	11	0	1	7260	8589	8590	8859	8818	55	11	0	1
7261	8590	8591	8850	8859	55	11	0	1	7262	8591	8592	8807	8850	55	11	0	1
7263	8592	8497	8725	8807	55	11	0	1	7264	8592	8319	8349	8497	55	11	0	1
7265	8319	8127	8098	8349	55	11	0	1	7266	8127	7914	7879	8098	55	11	0	1
7267	7914	7723	7689	7879	55	11	0	1	7268	7723	7530	7499	7689	55	11	0	1
7269	7530	7327	7372	7499	55	11	0	1	7270	6718	6719	7372	7327	55	11	0	1
7271	6719	6720	7379	7372	55	11	0	1	7272	6720	6721	7390	7379	55	11	0	1
7273	6721	6722	7383	7390	55	11	0	1	7274	6723	7328	7383	6722	55	11	0	1
7275	7328	7531	7546	7383	55	11	0	1	7276	7531	7724	7691	7546	55	11	0	1
7277	7724	7915	7884	7691	55	11	0	1	7278	7915	8128	8140	7884	55	11	0	1
7279	8128	8320	8346	8140	55	11	0	1	7280	8320	8593	8496	8346	55	11	0	1
7281	8593	8819	8731	8496	55	11	0	1	7282	8593	8594	8827	8819	55	11	0	1
7283	8594	8595	8830	8827	55	11	0	1	7284	8595	8596	8826	8830	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
								Ind.									Ind.
7285	8596	8485	8783	8826	55	11	0	1	7286	8596	8321	8269	8485	55	11	0	1
7287	8321	8129	8078	8269	55	11	0	1	7288	8129	7916	7927	8078	55	11	0	1
7289	7916	7725	7768	7927	55	11	0	1	7290	7725	7532	7612	7768	55	11	0	1
7291	7532	7331	7483	7612	55	11	0	1	7292	6726	6727	7483	7331	55	11	0	1
7293	6727	6728	7389	7483	55	11	0	1	7294	6728	6729	7484	7389	55	11	0	1
7295	6730	7332	7484	6729	55	11	0	1	7296	7332	7533	7620	7484	55	11	0	1
7297	7533	7726	7778	7620	55	11	0	1	7298	7726	7917	7932	7778	55	11	0	1
7299	7917	8130	8081	7932	55	11	0	1	7300	8130	8322	8265	8081	55	11	0	1
7301	8322	8597	8480	8265	55	11	0	1	7302	8597	8774	8747	8480	55	11	0	1
7303	8597	8598	8791	8774	55	11	0	1	7304	8598	8599	8786	8791	55	11	0	1
7305	8599	8600	8762	8786	55	11	0	1	7306	8600	8475	8709	8762	55	11	0	1
7307	8600	8323	8267	8475	55	11	0	1	7308	8323	8131	8084	8267	55	11	0	1
7309	8131	7918	7949	8084	55	11	0	1	7310	7918	7727	7796	7949	55	11	0	1
7311	7727	7534	7656	7796	55	11	0	1	7312	7534	7336	7429	7656	55	11	0	1
7313	6734	6735	7429	7336	55	11	0	1	7314	6735	6736	7442	7429	55	11	0	1
7315	6736	6737	7408	7442	55	11	0	1	7316	6738	7337	7408	6737	55	11	0	1
7317	7337	7535	7584	7408	55	11	0	1	7318	7535	7728	7738	7584	55	11	0	1
7319	7728	7919	7953	7738	55	11	0	1	7320	7919	8132	8150	7953	55	11	0	1
7321	8132	8324	8275	8150	55	11	0	1	7322	8324	8601	8476	8275	55	11	0	1
7323	8601	8759	8718	8476	55	11	0	1	7324	8601	8602	8784	8759	55	11	0	1
7325	8602	8603	8792	8784	55	11	0	1	7326	8603	8604	8779	8792	55	11	0	1
7327	8604	8513	8756	8779	55	11	0	1	7328	8604	8325	8344	8513	55	11	0	1
7329	8325	8133	8092	8344	55	11	0	1	7330	8133	7920	7878	8092	55	11	0	1
7331	7920	7729	7688	7878	55	11	0	1	7332	7729	7536	7500	7688	55	11	0	1
7333	7536	7340	7378	7500	55	11	0	1	7334	6741	6742	7378	7340	55	11	0	1
7335	6742	6743	7398	7378	55	11	0	1	7336	6743	6744	7394	7398	55	11	0	1
7337	6744	6745	7386	7394	55	11	0	1	7338	6746	7341	7386	6745	55	11	0	1
7339	7341	7537	7549	7386	55	11	0	1	7340	7537	7730	7692	7549	55	11	0	1
7341	7730	7921	7882	7692	55	11	0	1	7342	7921	8134	8099	7882	55	11	0	1
7343	8134	8326	8347	8099	55	11	0	1	7344	8326	8605	8498	8347	55	11	0	1
7345	8605	8776	8732	8498	55	11	0	1	7346	8605	8606	8817	8776	55	11	0	1
7347	8606	8607	8823	8817	55	11	0	1	7348	8607	8608	8820	8823	55	11	0	1
7349	8608	8486	8738	8820	55	11	0	1	7350	8608	8327	8251	8486	55	11	0	1
7351	8327	8135	8075	8251	55	11	0	1	7352	8135	7922	7942	8075	55	11	0	1
7353	7922	7731	7803	7942	55	11	0	1	7354	7731	7538	7653	7803	55	11	0	1
7355	7538	7345	7424	7653	55	11	0	1	7356	6750	6751	7424	7345	55	11	0	1
7357	6751	6752	7421	7424	55	11	0	1	7358	6753	7346	7421	6752	55	11	0	1
7359	7346	7539	7649	7421	55	11	0	1	7360	7539	7732	7799	7649	55	11	0	1
7361	7732	7923	7959	7799	55	11	0	1	7362	7923	8136	8083	7959	55	11	0	1
7363	8136	8328	8255	8083	55	11	0	1	7364	8328	8609	8492	8255	55	11	0	1
7365	8609	8804	8768	8492	55	11	0	1	7366	8609	8610	8813	8804	55	11	0	1
7367	8610	8611	8814	8813	55	11	0	1	7368	8611	8612	8801	8814	55	11	0	1
7369	8612	8462	8740	8801	55	11	0	1	7370	8612	8329	8268	8462	55	11	0	1
7371	8329	8137	8161	8268	55	11	0	1	7372	8137	7924	7964	8161	55	11	0	1
7373	7924	7733	7744	7964	55	11	0	1	7374	7733	7540	7559	7744	55	11	0	1
7375	7540	7350	7376	7559	55	11	0	1	7376	6757	6758	7376	7350	55	11	0	1
7377	6758	6759	7393	7376	55	11	0	1	7378	6759	6760	7384	7393	55	11	0	1
7379	6761	7351	7384	6760	55	11	0	1	7380	7351	7541	7551	7384	55	11	0	1
7381	7541	7734	7747	7551	55	11	0	1	7382	7734	7925	7973	7747	55	11	0	1
7383	7925	8138	8212	7973	55	11	0	1	7384	8138	8330	8388	8212	55	11	0	1
7385	8330	8613	8512	8388	55	11	0	1	7386	8613	8789	8754	8512	55	11	0	1
7387	8613	8614	8799	8789	55	11	0	1	7388	8614	8615	8805	8799	55	11	0	1
7389	8615	8616	8781	8805	55	11	0	1	7390	8616	8449	8706	8781	55	11	0	2
7391	8616	8331	8228	8449	55	11	0	2	7392	8331	8139	8043	8228	55	11	0	2
7393	8139	7926	7860	8043	55	11	0	2	7394	7926	7735	7684	7860	55	11	0	2
7395	7735	7542	7600	7684	55	11	0	2	7396	7542	7354	7416	7600	55	11	0	2
7397	6764	6765	7416	7354	55	11	0	2	7398	6765	6766	7480	7416	55	11	0	2
7399	6767	7459	7480	6766	55	11	0	2	7400	7459	7625	7660	7480	55	11	0	2
7401	7625	7820	7858	7660	55	11	0	2	7402	7820	8010	8041	7858	55	11	0	2
7403	8010	8165	8221	8041	55	11	0	2	7404	8165	8354	8413	8221	55	11	0	2
7405	8354	8632	8675	8413	55	11	0	2	7406	8632	8923	8955	8675	55	11	0	2
7407	8923	9259	9235	8955	55	11	0	2	7408	9259	9511	9480	9235	55	11	0	2
7409	9977	9976	9480	9511	55	11	0	2	7410	9976	9975	9587	9480	55	11	0	2
7411	7799	7959	7965	7854	55	11	0	1	7412	7854	7965	7943	7849	55	11	0	1
7413	7849	7943	7942	7803	55	11	0	1	7414	7653	7424	7421	7649	55	11	0	1
7415	7854	7849	7672	7668	55	11	0	1	7416	7653	7649	7668	7672	55	11	0	1
7417	7849	7803	7653	7672	55	11	0	1	7418	7649	7799	7854	7668	55	11	0	1
7419	7964	7744	7760	8019	55	11	0	1	7420	7744	7559	7566	7760	55	11	0	1
7421	7559	7376	7393	7566	55	11	0	1	7422	8019	7760	7747	7973	55	11	0	1
7423	7760	7566	7551	7747	55	11	0	1	7424	7566	7393	7384	7551	55	11	0	1
7425	9669	9646	9435	9439	55	11	0	1	7426	9439	9435	9206	9217	55	11	0	1
7427	9217	9206	9046	9051	55	11	0	1	7428	9051	9046	8799	8805	55	11	0	1
7429	9182	9235	9480	9371	55	11	0	2	7430	9480	9587	9399	9371	55	11	0	2
7431	9399	9190	9182	9371	55	11	0	2	7432	9587	9647	9423	9399	55	11	0	2
7433	9647	9669	9439	9423	55	11	0	1	7434	9399	9423	9219	9190	55	11	0	2
7435	9423	9439	9217	9219	55	11	0	1	7436	9190	9219	9045	8998	55	11	0	2
7437	9219	9217	9051	9045	55	11	0	1	7438	8998	9045	8781	8706	55	11	0	2
7439	9045	9051	8805	8781	55	11	0	1	7440	8675	8955	8972	8690	55	11	0	2
7441	8955	9235	9182	8972	55	11	0	2	7442	8690	8972	8998	8706	55	11	0	2
7443	8972	9182	9190	8998	55	11	0	2	7444	8690	8706	8449	8429	55	11	0	2
7445	8429	8413	8675	8690	55	11	0	2	7446	7600	7416	7480	7660	55	11	0	2
7447	7859	7860	7684	7740	55	11	0	2	7448	7684	7600	7660	7740	55	11	0	2
7449	7660	7858	7859	7740	55	11	0	2	7450	7858	8041	8042	7859	55	11	0	2
7451	8041	8221	8225	8042	55	11	0	2	7452	8221	8413	8429	8225	55	11	0	2
7453	7859	8042	8043	7860	55	11	0	2	7454	8042	8225	8228	8043	55	11	0	2
7455	8225	8429	8449	8228	55	11	0	2	7456	9653	9642	9392	9406	55	11	0	1
7457	9406	9392	9175	9180	55	11	0	1	7458	9180	9175	9012	9030	55	11	0	1
7459	9030	9012	8784	8792	55	11	0	1	7460	8019	7973	8212	8223	55	11	0	1
7461	8223	8161	7964	8019	55	11	0	1	7462	8512	8754	8729	8523	55	11	0	1
7463	8729	8692	8432	8523	55	11	0	1	7464	8432	8388	8512	8523	55	11	0	1
7465	8432	8223	8212	8388	55	11	0	1	7466	8448	8462	8268	8280	55	11	0	1
7467	8268	8161	8223	8280	55	11	0	1	7468	8223	8432	8448	8280	55	11	0	1
7469	8698	8740	8462	8448	55	11	0	1	7470	8448	8432	8692	8698	55	11	0	1
7471	9628	9648	9427	9393	55	11	0	1	7472	9393	9459	9649	9628	55	11	0	1
7473	9133	9126	9346	9330	55	11	0	1	7474	9346	9459	9393	9330	55	11	0	1
7475	9393	9168	9133	9330	55	11	0	1	7476	9393	9427	9228	9168	55	11	0	1
7477	9228	9052	9000	9168	55	11	0	1	7478	9052	8801	8740	9000	55	11	0	1
7479	9168	9000	8962	9133	55	11	0	1	7480	9000	8740	8698	8962	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
								Ind.									Ind.
7481	9133	8962	8947	9126	55	11	0	1	7482	8962	8698	8692	8947	55	11	0	1
7483	9126	8947	8970	9139	55	11	0	1	7484	8947	8692	8729	8970	55	11	0	1
7485	9139	8970	8993	9159	55	11	0	1	7486	8970	8729	8754	8993	55	11	0	1
7487	9159	8993	9034	9185	55	11	0	1	7488	8993	8754	8789	9034	55	11	0	1
7489	9185	9034	9046	9206	55	11	0	1	7490	9034	8789	8799	9046	55	11	0	1
7491	9402	9185	9206	9435	55	11	0	1	7492	9435	9646	9606	9402	55	11	0	1
7493	9402	9606	9586	9376	55	11	0	1	7494	9376	9159	9185	9402	55	11	0	1
7495	9139	9159	9376	9353	55	11	0	1	7496	9353	9346	9126	9139	55	11	0	1
7497	9459	9346	9353	9462	55	11	0	1	7498	9353	9376	9586	9462	55	11	0	1
7499	9586	9649	9459	9462	55	11	0	1	7500	7878	7688	7687	7869	55	11	0	1
7501	7688	7500	7553	7687	55	11	0	1	7502	7500	7378	7398	7553	55	11	0	1
7503	7869	7687	7685	7871	55	11	0	1	7504	7687	7553	7555	7685	55	11	0	1
7505	7553	7398	7394	7555	55	11	0	1	7506	7871	7685	7692	7882	55	11	0	1
7507	7685	7555	7549	7692	55	11	0	1	7508	7555	7394	7386	7549	55	11	0	1
7509	8814	8801	9052	9063	55	11	0	1	7510	9063	9052	9228	9241	55	11	0	1
7511	9241	9228	9427	9441	55	11	0	1	7512	9441	9427	9648	9657	55	11	0	1
7513	8075	7942	7943	8064	55	11	0	1	7514	8064	7943	7965	8068	55	11	0	1
7515	8068	7965	7959	8083	55	11	0	1	7516	8486	8251	8240	8446	55	11	0	1
7517	8251	8075	8064	8240	55	11	0	1	7518	8446	8240	8239	8447	55	11	0	1
7519	8240	8064	8068	8239	55	11	0	1	7520	8447	8239	8255	8492	55	11	0	1
7521	8239	8068	8083	8255	55	11	0	1	7522	8726	8738	8486	8670	55	11	0	1
7523	8486	8446	8656	8670	55	11	0	1	7524	8656	8737	8726	8670	55	11	0	1
7525	8788	8757	8664	8683	55	11	0	1	7526	8664	8447	8492	8683	55	11	0	1
7527	8492	8768	8788	8683	55	11	0	1	7528	8664	8757	8737	8656	55	11	0	1
7529	8656	8446	8447	8664	55	11	0	1	7530	8788	8768	9006	8966	55	11	0	1
7531	8768	8804	9054	9006	55	11	0	1	7532	8804	8813	9065	9054	55	11	0	1
7533	8813	8814	9063	9065	55	11	0	1	7534	8966	9006	9166	9127	55	11	0	1
7535	9006	9054	9213	9166	55	11	0	1	7536	9054	9065	9232	9213	55	11	0	1
7537	9065	9063	9241	9232	55	11	0	1	7538	9127	9166	9400	9388	55	11	0	1
7539	9166	9213	9425	9400	55	11	0	1	7540	9213	9232	9434	9425	55	11	0	1
7541	9232	9241	9441	9434	55	11	0	1	7542	9388	9400	9640	9629	55	11	0	1
7543	9400	9425	9639	9640	55	11	0	1	7544	9425	9434	9654	9639	55	11	0	1
7545	9434	9441	9657	9654	55	11	0	1	7546	9616	9631	9372	9382	55	11	0	1
7547	9382	9388	9629	9616	55	11	0	1	7548	9131	9382	9372	9097	55	11	0	1
7549	8726	8737	8844	8833	55	11	0	1	7550	8844	9008	8881	8833	55	11	0	1
7551	8738	8726	8833	8881	55	11	0	1	7552	8881	9008	9131	9097	55	11	0	1
7553	9097	8820	8738	8881	55	11	0	1	7554	9127	9388	9382	9131	55	11	0	1
7555	8757	8788	8966	8865	55	11	0	1	7556	8865	8844	8737	8757	55	11	0	1
7557	8865	8966	9127	9057	55	11	0	1	7558	9127	9131	9008	9057	55	11	0	1
7559	9008	8844	8865	9057	55	11	0	1	7560	8533	8546	8766	8763	55	11	0	1
7561	8763	8756	8513	8533	55	11	0	1	7562	8092	7878	7869	8057	55	11	0	1
7563	8434	8546	8533	8438	55	11	0	1	7564	8533	8513	8344	8438	55	11	0	1
7565	8344	8252	8434	8438	55	11	0	1	7566	8344	8092	8057	8252	55	11	0	1
7567	7871	7882	8099	8060	55	11	0	1	7568	8060	8057	7869	7871	55	11	0	1
7569	8733	8743	8539	8528	55	11	0	1	7570	8528	8498	8732	8733	55	11	0	1
7571	8256	8060	8099	8347	55	11	0	1	7572	8528	8539	8436	8439	55	11	0	1
7573	8436	8256	8347	8439	55	11	0	1	7574	8347	8498	8528	8439	55	11	0	1
7575	8252	8057	8060	8256	55	11	0	1	7576	8443	8442	8412	8410	55	11	0	1
7577	8252	8256	8410	8412	55	11	0	1	7578	8442	8434	8252	8412	55	11	0	1
7579	8256	8436	8443	8410	55	11	0	1	7580	8436	8539	8619	8443	55	11	0	1
7581	8539	8743	8753	8619	55	11	0	1	7582	8443	8619	8622	8442	55	11	0	1
7583	8619	8753	8760	8622	55	11	0	1	7584	8442	8622	8546	8434	55	11	0	1
7585	8622	8760	8766	8546	55	11	0	1	7586	9014	8776	8817	9076	55	11	0	1
7587	9076	8817	8823	9088	55	11	0	1	7588	9088	8823	8820	9097	55	11	0	1
7589	9681	9664	9432	9453	55	11	0	1	7590	9453	9432	9176	9292	55	11	0	1
7591	9292	9176	9014	9076	55	11	0	1	7592	9332	9292	9076	9088	55	11	0	1
7593	9088	9097	9372	9332	55	11	0	1	7594	9453	9292	9332	9465	55	11	0	1
7595	9465	9692	9681	9453	55	11	0	1	7596	9465	9332	9372	9479	55	11	0	1
7597	9372	9631	9695	9479	55	11	0	1	7598	9695	9692	9465	9479	55	11	0	1
7599	9432	9664	9678	9410	55	11	0	1	7600	9410	9191	9176	9432	55	11	0	1
7601	8918	8883	8733	8732	55	11	0	1	7602	8732	8776	9014	8918	55	11	0	1
7603	9089	8883	8918	9096	55	11	0	1	7604	8918	9014	9176	9096	55	11	0	1
7605	9176	9191	9089	9096	55	11	0	1	7606	9410	9678	9626	9385	55	11	0	1
7607	9385	9129	9191	9410	55	11	0	1	7608	8743	8733	8883	8885	55	11	0	1
7609	8885	8956	8753	8743	55	11	0	1	7610	9089	9191	9129	9078	55	11	0	1
7611	9129	8956	8885	9078	55	11	0	1	7612	8885	8883	9089	9078	55	11	0	1
7613	9125	8976	8963	9120	55	11	0	1	7614	8976	8766	8760	8963	55	11	0	1
7615	9120	8963	8956	9129	55	11	0	1	7616	8963	8760	8753	8956	55	11	0	1
7617	9385	9626	9623	9452	55	11	0	1	7618	9339	9125	9120	9325	55	11	0	1
7619	9120	9129	9385	9325	55	11	0	1	7620	9385	9452	9339	9325	55	11	0	1
7621	9406	9180	9171	9391	55	11	0	1	7622	9391	9598	9653	9406	55	11	0	1
7623	9391	9171	9149	9368	55	11	0	1	7624	9368	9149	9138	9351	55	11	0	1
7625	9351	9138	9125	9339	55	11	0	1	7626	9351	9339	9452	9456	55	11	0	1
7627	9452	9623	9583	9456	55	11	0	1	7628	9583	9368	9351	9456	55	11	0	1
7629	9583	9598	9391	9368	55	11	0	1	7630	9180	9030	9011	9171	55	11	0	1
7631	9030	8792	8779	9011	55	11	0	1	7632	9171	9011	8992	9149	55	11	0	1
7633	9011	8779	8756	8992	55	11	0	1	7634	9149	8992	8983	9138	55	11	0	1
7635	8992	8756	8763	8983	55	11	0	1	7636	9138	8983	8976	9125	55	11	0	1
7637	8983	8763	8766	8976	55	11	0	1	7638	7808	7956	7958	7853	55	11	0	2
7639	7853	7958	7951	7850	55	11	0	2	7640	7850	7951	7944	7804	55	11	0	2
7641	7657	7423	7420	7654	55	11	0	2	7642	7853	7850	7671	7667	55	11	0	2
7643	7657	7654	7667	7671	55	11	0	2	7644	7850	7804	7657	7671	55	11	0	2
7645	7654	7808	7853	7667	55	11	0	2	7646	7748	7877	7870	7764	55	11	0	1
7647	7764	7870	7874	7759	55	11	0	1	7648	7759	7874	7876	7746	55	11	0	1
7649	7648	7615	7486	7487	55	11	0	1	7650	7482	7485	7487	7486	55	11	0	1
7651	7615	7593	7482	7486	55	11	0	1	7652	7485	7599	7648	7487	55	11	0	1
7653	7599	7748	7764	7648	55	11	0	1	7654	7648	7764	7759	7615	55	11	0	1
7655	7615	7759	7746	7593	55	11	0	1	7656	7778	7932	7941	7811	55	11	0	1
7657	7811	7941	7955	7844	55	11	0	1	7658	7844	7955	7940	7792	55	11	0	1
7659	7792	7940	7927	7768	55	11	0	1	7660	7488	7661	7658	7489	55	11	0	1
7661	7658	7612	7483	7489	55	11	0	1	7662	7483	7389	7488	7489	55	11	0	1
7663	7792	7768	7612	7658	55	11	0	1	7664	7658	7661	7844	7792	55	11	0	1
7665	7811	7844	7661	7659	55	11	0	1	7666	7659	7620	7778	7811	55	11	0	1
7667	7488	7389	7484	7490	55	11	0	1	7668	7484	7620	7659	7490	55	11	0	1
7669	7659	7661	7488	7490	55	11	0	1	7670	8078	7927	7940	8085	55	11	0	1
7671	8085	7940	7955	8059	55	11	0	1	7672	8059	7955	7941	8080	55	11	0	1
7673	8080	7941	7932	8081	55	11	0	1	7674	8480	8747	8722	8464	55	11	0	1
7675	8464	8722	8717	8504	55	11	0	1	7676	8504	8717	8712	8514	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
7677	8080	8081	8265	8285	55	11	0	1
7679	8504	8514	8420	8427	55	11	0	1
7681	8285	8464	8504	8427	55	11	0	1
7683	8514	8712	8707	8501	55	11	0	1
7685	8463	8708	8783	8485	55	11	0	1
7687	8284	8269	8078	8085	55	11	0	1
7689	8420	8514	8501	8426	55	11	0	1
7691	8284	8233	8420	8426	55	11	0	1
7693	9442	9286	9152	9421	55	11	0	1
7695	8890	8878	8712	8717	55	11	0	1
7697	8890	8971	9152	9091	55	11	0	1
7699	9361	9108	9100	9352	55	11	0	1
7701	9352	9100	9075	9335	55	11	0	1
7703	9316	9098	9101	9286	55	11	0	1
7705	9442	9596	9572	9411	55	11	0	1
7707	9572	9576	9352	9335	55	11	0	1
7709	8873	8707	8712	8878	55	11	0	1
7711	8708	8707	8873	8855	55	11	0	1
7713	9075	8783	8708	8855	55	11	0	1
7715	7738	7953	7988	7815	55	11	0	1
7717	7848	7963	7961	7847	55	11	0	1
7719	7655	7442	7408	7584	55	11	0	1
7721	7656	7429	7442	7655	55	11	0	1
7723	7656	7655	7670	7674	55	11	0	1
7725	7655	7815	7848	7670	55	11	0	1
7727	8094	7961	7963	8088	55	11	0	1
7729	8218	7988	7953	8150	55	11	0	1
7731	8495	8704	8701	8459	55	11	0	1
7733	8276	8459	8475	8267	55	11	0	1
7735	8416	8500	8495	8421	55	11	0	1
7737	8276	8229	8416	8421	55	11	0	1
7739	8476	8718	8705	8461	55	11	0	1
7741	8483	8713	8716	8500	55	11	0	1
7743	8275	8476	8461	8339	55	11	0	1
7745	8218	8339	8409	8226	55	11	0	1
7747	8483	8500	8416	8409	55	11	0	1
7749	9366	9601	9656	9401	55	11	0	1
7751	8704	8716	8909	8867	55	11	0	1
7753	9082	8864	8867	9074	55	11	0	1
7755	9122	9167	9082	9074	55	11	0	1
7757	9113	9114	9319	9299	55	11	0	1
7759	9366	9122	9113	9299	55	11	0	1
7761	8909	8716	8713	8912	55	11	0	1
7763	8912	8713	8705	8916	55	11	0	1
7765	8916	8705	8718	8951	55	11	0	1
7767	8951	8718	8759	8987	55	11	0	1
7769	8987	8759	8784	9012	55	11	0	1
7771	9370	9392	9642	9604	55	11	0	1
7773	9319	9114	9118	9306	55	11	0	1
7775	9370	9397	9319	9306	55	11	0	1
7777	9395	9144	9167	9401	55	11	0	1
7779	8709	8701	8864	8882	55	11	0	1
7781	9144	8979	8882	9080	55	11	0	1
7783	9636	9638	9403	9395	55	11	0	1
7785	9641	9634	9418	9408	55	11	0	1
7787	9635	9624	9421	9415	55	11	0	1
7789	9403	9408	9186	9170	55	11	0	1
7791	9418	9415	9174	9184	55	11	0	1
7793	9144	9170	9009	8979	55	11	0	1
7795	9186	9184	9025	9032	55	11	0	1
7797	9174	9152	8971	8997	55	11	0	1
7799	9009	9032	8791	8786	55	11	0	1
7801	9025	8997	8747	8774	55	11	0	1
7803	8827	8830	9108	9104	55	11	0	1
7805	9358	9361	9582	9589	55	11	0	1
7807	7689	7499	7543	7683	55	11	0	1
7809	7872	7683	7686	7875	55	11	0	1
7811	7543	7379	7390	7554	55	11	0	1
7813	7686	7554	7546	7691	55	11	0	1
7815	8098	7879	7872	8061	55	11	0	1
7817	8066	7875	7884	8140	55	11	0	1
7819	8521	8532	8719	8715	55	11	0	1
7821	8433	8532	8521	8435	55	11	0	1
7823	8349	8257	8433	8435	55	11	0	1
7825	8526	8496	8731	8735	55	11	0	1
7827	8526	8537	8437	8440	55	11	0	1
7829	8346	8496	8526	8440	55	11	0	1
7831	8445	8444	8415	8414	55	11	0	1
7833	8444	8433	8257	8415	55	11	0	1
7835	8437	8537	8547	8445	55	11	0	1
7837	8445	8547	8545	8444	55	11	0	1
7839	8444	8545	8532	8433	55	11	0	1
7841	9072	8853	8860	9077	55	11	0	1
7843	9077	8860	8877	9099	55	11	0	1
7845	9455	9687	9696	9467	55	11	0	1
7847	9077	9099	9301	9132	55	11	0	1
7849	9301	9455	9467	9337	55	11	0	1
7851	9085	9104	9358	9357	55	11	0	1
7853	9667	9687	9455	9417	55	11	0	1
7855	9302	9301	9099	9105	55	11	0	1
7857	9590	9667	9417	9360	55	11	0	1
7859	9302	9105	9107	9236	55	11	0	1
7861	9360	9417	9302	9236	55	11	0	1
7863	9105	9099	8877	8891	55	11	0	1
7865	8891	8877	8730	8739	55	11	0	1
7867	8731	8819	9085	8880	55	11	0	1
7869	8893	8736	8735	8894	55	11	0	1
7871	8049	7870	7877	8056	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
7678	8285	8233	8059	8080	55	11	0	1
7680	8420	8233	8285	8427	55	11	0	1
7682	8285	8265	8480	8464	55	11	0	1
7684	8501	8707	8708	8463	55	11	0	1
7686	8085	8059	8233	8284	55	11	0	1
7688	8463	8485	8269	8284	55	11	0	1
7690	8501	8463	8284	8426	55	11	0	1
7692	9421	9624	9596	9442	55	11	0	1
7694	8717	8722	8971	8890	55	11	0	1
7696	9101	8878	8890	9091	55	11	0	1
7698	9152	9286	9101	9091	55	11	0	1
7700	9352	9576	9582	9361	55	11	0	1
7702	9335	9075	9098	9316	55	11	0	1
7704	9316	9286	9442	9411	55	11	0	1
7706	9572	9335	9316	9411	55	11	0	1
7708	9100	9108	8830	8826	55	11	0	1
7710	8878	9101	9098	8873	55	11	0	1
7712	8873	9098	9075	8855	55	11	0	1
7714	9075	9100	8826	8783	55	11	0	1
7716	7815	7988	7963	7848	55	11	0	1
7718	7847	7961	7949	7796	55	11	0	1
7720	7584	7738	7815	7655	55	11	0	1
7722	7848	7847	7674	7670	55	11	0	1
7724	7847	7796	7656	7674	55	11	0	1
7726	8084	7949	7961	8094	55	11	0	1
7728	8088	7963	7988	8218	55	11	0	1
7730	8500	8716	8704	8495	55	11	0	1
7732	8459	8701	8709	8475	55	11	0	1
7734	8267	8084	8094	8276	55	11	0	1
7736	8495	8459	8276	8421	55	11	0	1
7738	8276	8094	8088	8229	55	11	0	1
7740	8461	8705	8713	8483	55	11	0	1
7742	8339	8218	8150	8275	55	11	0	1
7744	8229	8088	8218	8226	55	11	0	1
7746	8409	8416	8229	8226	55	11	0	1
7748	8409	8339	8461	8483	55	11	0	1
7750	9401	9167	9122	9366	55	11	0	1
7752	8867	8864	8701	8704	55	11	0	1
7754	8867	8909	9122	9074	55	11	0	1
7756	9397	9619	9601	9366	55	11	0	1
7758	9319	9397	9366	9299	55	11	0	1
7760	9122	8909	8912	9113	55	11	0	1
7762	9113	8912	8916	9114	55	11	0	1
7764	9114	8916	8951	9118	55	11	0	1
7766	9118	8951	8987	9146	55	11	0	1
7768	9146	8987	9012	9175	55	11	0	1
7770	9604	9619	9397	9370	55	11	0	1
7772	9146	9175	9392	9370	55	11	0	1
7774	9118	9146	9370	9306	55	11	0	1
7776	9401	9656	9636	9395	55	11	0	1
7778	8882	8979	8762	8709	55	11	0	1
7780	9082	9167	9144	9080	55	11	0	1
7782	8882	8864	9082	9080	55	11	0	1
7784	9638	9641	9408	9403	55	11	0	1
7786	9634	9635	9415	9418	55	11	0	1
7788	9395	9403	9170	9144	55	11	0	1
7790	9408	9418	9184	9186	55	11	0	1
7792	9415	9421	9152	9174	55	11	0	1
7794	9170	9186	9032	9009	55	11	0	1
7796	9184	9174	8997	9025	55	11	0	1
7798	8979	9009	8786	8762	55	11	0	1
7800	9032	9025	8774	8791	55	11	0	1
7802	8997	8971	8722	8747	55	11	0	1
7804	9104	9108	9361	9358	55	11	0	1
7806	7879	7689	7683	7872	55	11	0	1
7808	7499	7372	7379	7543	55	11	0	1
7810	7683	7543	7554	7686	55	11	0	1
7812	7875	7686	7691	7884	55	11	0	1
7814	7554	7390	7383	7546	55	11	0	1
7816	8061	7872	7875	8066	55	11	0	1
7818	8715	8725	8497	8521	55	11	0	1
7820	8349	8098	8061	8257	55	11	0	1
7822	8521	8497	8349	8435	55	11	0	1
7824	8735	8736	8537	8526	55	11	0	1
7826	8260	8066	8140	8346	55	11	0	1
7828	8437	8260	8346	8440	55	11	0	1
7830	8257	8061	8066	8260	55	11	0	1
7832	8257	8260	8414	8415	55	11	0	1
7834	8260	8437	8445	8414	55	11	0	1
7836	8537	8736	8739	8547	55	11	0	1
7838	8547	8739	8730	8545	55	11	0	1
7840	8545	8730	8719	8532	55	11	0	1
7842	8853	8715	8719	8860	55	11	0	1
7844	8860	8719	8730	8877	55	11	0	1
7846	9137	9072	9077	9132	55	11	0	1
7848	9301	9337	9137	9132	55	11	0	1
7850	8819	8827	9104	9085	55	11	0	1
7852	9357	9358	9589	9585	55	11	0	1
7854	9417	9455	9301	9302	55	11	0	1
7856	9360	9357	9585	9590	55	11	0	1
7858	9111	9085	9357	9360	55	11	0	1
7860	9107	9111	9360	9236	55	11	0	1
7862	9107	9105	8891	8893	55	11	0	1
7864	8893	8891	8739	8736	55	11	0	1
7866	8894	8735	8731	8880	55	11	0	1
7868	9085	9111	8894	8880	55	11	0	1
7870	8894	9111	9107	8893	55	11	0	1
7872	8761	8451	8460	8742	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
								Ind.									Ind.
7873	8451	8238	8244	8460	55	11	0	1	7874	8238	8049	8056	8244	55	11	0	1
7875	9369	9594	9597	9359	55	11	0	1	7876	9136	9369	9359	9087	55	11	0	1
7877	8994	9136	9087	8913	55	11	0	1	7878	9087	8761	8742	8913	55	11	0	1
7879	8742	8818	8994	8913	55	11	0	1	7880	9464	9338	9337	9467	55	11	0	1
7881	9467	9696	9694	9464	55	11	0	1	7882	9137	9337	9338	9116	55	11	0	1
7883	8871	8967	8807	8725	55	11	0	1	7884	8725	8715	8853	8871	55	11	0	1
7885	9072	9137	9116	9060	55	11	0	1	7886	9116	8967	8871	9060	55	11	0	1
7887	8871	8853	9072	9060	55	11	0	1	7888	8967	9116	9123	9024	55	11	0	1
7889	9123	9115	8850	9024	55	11	0	1	7890	8850	8807	8967	9024	55	11	0	1
7891	9162	9136	8994	9067	55	11	0	1	7892	8994	8818	8859	9067	55	11	0	1
7893	8859	9134	9162	9067	55	11	0	1	7894	8859	8850	9115	9134	55	11	0	1
7895	9617	9600	9387	9384	55	11	0	1	7896	9600	9594	9369	9387	55	11	0	1
7897	9384	9387	9162	9134	55	11	0	1	7898	9387	9369	9136	9162	55	11	0	1
7899	9115	9123	9336	9320	55	11	0	1	7900	9336	9457	9384	9320	55	11	0	1
7901	9384	9134	9115	9320	55	11	0	1	7902	9457	9680	9617	9384	55	11	0	1
7903	9123	9116	9338	9336	55	11	0	1	7904	9336	9338	9464	9457	55	11	0	1
7905	9457	9464	9694	9680	55	11	0	1	7906	8770	8481	8453	8771	55	11	0	1
7907	8481	8250	8241	8453	55	11	0	1	7908	8250	8058	8051	8241	55	11	0	1
7909	8058	7876	7874	8051	55	11	0	1	7910	8771	8453	8451	8761	55	11	0	1
7911	8453	8241	8238	8451	55	11	0	1	7912	8241	8051	8049	8238	55	11	0	1
7913	8051	7874	7870	8049	55	11	0	1	7914	8782	8484	8457	8749	55	11	0	2
7915	8484	8259	8245	8457	55	11	0	2	7916	8259	8073	8065	8245	55	11	0	2
7917	8073	7944	7951	8065	55	11	0	2	7918	8749	8457	8452	8745	55	11	0	2
7919	8457	8245	8243	8452	55	11	0	2	7920	8245	8065	8067	8243	55	11	0	2
7921	8065	7951	7958	8067	55	11	0	2	7922	8745	8452	8469	8750	55	11	0	2
7923	8452	8243	8254	8469	55	11	0	2	7924	8243	8067	8079	8254	55	11	0	2
7925	8067	7958	7956	8079	55	11	0	2	7926	9592	9602	9386	9349	55	11	0	1
7927	9349	9359	9597	9592	55	11	0	1	7928	9087	9359	9349	9081	55	11	0	1
7929	9081	8771	8761	9087	55	11	0	1	7930	9056	9055	8808	8770	55	11	0	1
7931	8770	8771	9081	9056	55	11	0	1	7932	9194	9055	9056	9153	55	11	0	1
7933	9056	9081	9349	9153	55	11	0	1	7934	9349	9386	9194	9153	55	11	0	1
7935	8749	8745	9023	9029	55	11	0	2	7936	8745	8750	9037	9023	55	11	0	2
7937	8750	8785	9049	9037	55	11	0	1	7938	8785	8806	9058	9049	55	11	0	1
7939	8806	8812	9059	9058	55	11	0	1	7940	8812	8808	9055	9059	55	11	0	1
7941	9029	9023	9200	9173	55	11	0	2	7942	9023	9037	9214	9200	55	11	0	2
7943	9037	9049	9229	9214	55	11	0	1	7944	9049	9058	9231	9229	55	11	0	1
7945	9058	9059	9220	9231	55	11	0	1	7946	9059	9055	9194	9220	55	11	0	1
7947	9173	9200	9414	9383	55	11	0	2	7948	9200	9214	9438	9414	55	11	0	2
7949	9214	9229	9445	9438	55	11	0	1	7950	9229	9231	9444	9445	55	11	0	1
7951	9231	9220	9412	9444	55	11	0	1	7952	9220	9194	9386	9412	55	11	0	1
7953	9383	9414	9645	9621	55	11	0	2	7954	9414	9438	9651	9645	55	11	0	2
7955	9438	9445	9660	9651	55	11	0	1	7956	9445	9444	9655	9660	55	11	0	1
7957	9444	9412	9627	9655	55	11	0	1	7958	9412	9386	9602	9627	55	11	0	1
7959	9383	9621	9584	9347	55	11	0	2	7960	9053	9093	8824	8782	55	11	0	2
7961	8782	8749	9029	9053	55	11	0	2	7962	9173	9383	9347	9148	55	11	0	2
7963	9347	9093	9053	9148	55	11	0	2	7964	9053	9029	9173	9148	55	11	0	2
7965	9584	9581	9356	9347	55	11	0	1	7966	9581	9579	9355	9356	55	11	0	1
7967	9579	9577	9350	9355	55	11	0	1	7968	9577	9574	9345	9350	55	11	0	1
7969	9574	9568	9323	9345	55	11	0	2	7970	9347	9356	9103	9093	55	11	0	1
7971	9356	9355	9106	9103	55	11	0	1	7972	9355	9350	9102	9106	55	11	0	1
7973	9350	9345	9092	9102	55	11	0	1	7974	9345	9323	9010	9092	55	11	0	2
7975	9093	9103	8829	8824	55	11	0	1	7976	9103	9106	8831	8829	55	11	0	1
7977	9106	9102	8832	8831	55	11	0	1	7978	9102	9092	8841	8832	55	11	0	1
7979	9092	9010	8684	8841	55	11	0	2	7980	6701	6702	7315	7314	55	11	0	1
7981	6702	6703	7316	7315	55	11	0	1	7982	6703	6704	7317	7316	55	11	0	1
7983	6707	6708	7319	7318	55	11	0	1	7984	6708	6709	7320	7319	55	11	0	1
7985	6709	6710	7321	7320	55	11	0	1	7986	6710	6711	7322	7321	55	11	0	1
7987	6714	6715	7324	7323	55	11	0	1	7988	6715	6716	7325	7324	55	11	0	1
7989	6716	6717	7326	7325	55	11	0	1	7990	6717	6718	7327	7326	55	11	0	1
7991	6723	6724	7329	7328	55	11	0	1	7992	6724	6725	7330	7329	55	11	0	1
7993	6725	6726	7331	7330	55	11	0	1	7994	6730	6731	7333	7332	55	11	0	1
7995	6731	6732	7334	7333	55	11	0	1	7996	6732	6733	7335	7334	55	11	0	1
7997	6733	6734	7336	7335	55	11	0	1	7998	6738	6739	7338	7337	55	11	0	1
7999	6739	6740	7339	7338	55	11	0	1	8000	6740	6741	7340	7339	55	11	0	1
8001	6746	6747	7342	7341	55	11	0	1	8002	6747	6748	7343	7342	55	11	0	1
8003	6748	6749	7344	7343	55	11	0	1	8004	6749	6750	7345	7344	55	11	0	1
8005	6753	6754	7347	7346	55	11	0	1	8006	6754	6755	7348	7347	55	11	0	1
8007	6755	6756	7349	7348	55	11	0	1	8008	6756	6757	7350	7349	55	11	0	1
8009	6761	6762	7352	7351	55	11	0	1	8010	6762	6763	7353	7352	55	11	0	1
8011	6763	6764	7354	7353	55	11	0	1	8012	12627	12647	12177	12175	55	11	0	1
8013	12175	12177	11923	11917	55	11	0	1	8014	11917	11923	11587	11585	55	11	0	1
8015	11585	11587	11260	11258	55	11	0	1	8016	11258	11260	11019	11017	55	11	0	1
8017	11017	11019	10866	10857	55	11	0	1	8018	10857	10866	10767	10755	55	11	0	1
8019	10755	10767	10616	10614	55	11	0	1	8020	10614	10616	10460	10458	55	11	0	1
8021	10458	10460	10327	10325	55	11	0	1	8022	10325	10327	10008	9977	55	11	0	1
8023	12647	12648	12178	12177	55	11	0	1	8024	12177	12178	11926	11923	55	11	0	1
8025	11923	11926	11589	11587	55	11	0	1	8026	11587	11589	11263	11260	55	11	0	1
8027	11260	11263	11028	11019	55	11	0	1	8028	11019	11028	10877	10866	55	11	0	1
8029	10866	10877	10775	10767	55	11	0	1	8030	10767	10775	10617	10616	55	11	0	1
8031	10616	10617	10462	10460	55	11	0	1	8032	10460	10462	10328	10327	55	11	0	1
8033	10327	10328	10009	10008	55	11	0	1	8034	12648	12650	12179	12178	55	11	0	1
8035	12178	12179	11928	11926	55	11	0	1	8036	11926	11928	11590	11589	55	11	0	1
8037	11589	11590	11268	11263	55	11	0	1	8038	11263	11268	11035	11028	55	11	0	1
8039	11028	11035	10881	10877	55	11	0	1	8040	10877	10881	10780	10775	55	11	0	1
8041	10775	10780	10621	10617	55	11	0	1	8042	10617	10621	10463	10462	55	11	0	1
8043	10462	10463	10329	10328	55	11	0	1	8044	10328	10329	10012	10009	55	11	0	1
8045	12650	12651	12180	12179	55	11	0	1	8046	12179	12180	11932	11928	55	11	0	1
8047	11928	11932	11593	11590	55	11	0	1	8048	11590	11593	11272	11268	55	11	0	1
8049	11268	11272	11039	11035	55	11	0	1	8050	11035	11039	10886	10881	55	11	0	1
8051	10881	10886	10783	10780	55	11	0	1	8052	10780	10783	10622	10621	55	11	0	1
8053	10621	10622	10465	10463	55	11	0	1	8054	10463	10465	10331	10329	55	11	0	1
8055	10329	10331	10018	10012	55	11	0	1	8056	12651	12652	12183	12180	55	11	0	1
8057	12180	12183	11934	11932	55	11	0	1	8058	11932	11934	11594	11593	55	11	0	1
8059	11593	11594	11276	11272	55	11	0	1	8060	11272	11276	11042	11039	55	11	0	1
8061	11039	11042	10899	10886	55	11	0	1	8062	10886	10899	10788	10783	55	11	0	1
8063	10783	10788	10624	10622	55	11	0	1	8064	10622	10624	10466	10465	55	11	0	1
8065	10465	10466	10332	10331	55	11	0	1	8066	10331	10332	10019	10018	55	11	0	1
8067	12652	12653	12184	12183	55	11	0	1	8068	12183	12184	11935	11934	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
								Ind.
8069	11934	11935	11595	11594	55	11	0	1
8071	11276	11279	11045	11042	55	11	0	1
8073	10899	10904	10794	10788	55	11	0	1
8075	10624	10625	10467	10466	55	11	0	1
8077	10332	10333	10020	10019	55	11	0	1
8079	12184	12185	11939	11935	55	11	0	1
8081	11595	11596	11283	11279	55	11	0	1
8083	11045	11050	10949	10904	55	11	0	1
8085	10794	10799	10628	10625	55	11	0	1
8087	10467	10469	10334	10333	55	11	0	1
8089	12659	12672	12186	12185	55	11	0	1
8091	11939	11943	11599	11596	55	11	0	1
8093	11283	11285	11057	11050	55	11	0	1
8095	10949	10953	10800	10799	55	11	0	1
8097	10628	10629	10470	10469	55	11	0	1
8099	10334	10335	10035	10030	55	11	0	1
8101	12186	12188	11946	11943	55	11	0	1
8103	11599	11601	11288	11285	55	11	0	1
8105	11057	11061	10954	10953	55	11	0	1
8107	10800	10804	10630	10629	55	11	0	1
8109	10470	10471	10337	10335	55	11	0	1
8111	12673	12674	12190	12188	55	11	0	1
8113	11946	11947	11605	11601	55	11	0	1
8115	11288	11291	11065	11061	55	11	0	1
8117	10954	10956	10806	10804	55	11	0	1
8119	10630	10632	10472	10471	55	11	0	1
8121	10337	10338	10044	10042	55	11	0	1
8123	12190	12193	11951	11947	55	11	0	1
8125	11605	11608	11294	11291	55	11	0	1
8127	11065	11067	10957	10956	55	11	0	1
8129	10806	10809	10634	10632	55	11	0	1
8131	10472	10473	10340	10338	55	11	0	1
8133	12682	12683	12196	12193	55	11	0	1
8135	11951	11957	11610	11608	55	11	0	1
8137	11294	11298	11072	11067	55	11	0	1
8139	10957	10958	10810	10809	55	11	0	1
8141	10634	10636	10474	10473	55	11	0	1
8143	10340	10341	10064	10053	55	11	0	1
8145	12196	12200	11963	11957	55	11	0	1
8147	11610	11613	11299	11298	55	11	0	1
8149	11072	11075	10959	10958	55	11	0	1
8151	10810	10811	10640	10636	55	11	0	1
8153	10474	10476	10342	10341	55	11	0	1
8155	12700	12701	12201	12200	55	11	0	1
8157	11963	11966	11617	11613	55	11	0	1
8159	11299	11302	11081	11075	55	11	0	1
8161	10959	10961	10812	10811	55	11	0	1
8163	10640	10642	10477	10476	55	11	0	1
8165	10342	10344	10068	10066	55	11	0	1
8167	12201	12205	11971	11966	55	11	0	1
8169	11617	11621	11305	11302	55	11	0	1
8171	11081	11084	10965	10961	55	11	0	1
8173	10812	10815	10644	10642	55	11	0	1
8175	10477	10478	10345	10344	55	11	0	1
8177	12702	12703	12208	12205	55	11	0	1
8179	11971	11976	11627	11621	55	11	0	1
8181	11305	11311	11129	11084	55	11	0	1
8183	10965	10966	10816	10815	55	11	0	1
8185	10644	10648	10482	10478	55	11	0	1
8187	10345	10346	10072	10070	55	11	0	1
8189	12208	12216	11988	11976	55	11	0	1
8191	11627	11637	11313	11311	55	11	0	1
8193	11129	11132	10969	10966	55	11	0	1
8195	10816	10819	10651	10648	55	11	0	1
8197	10482	10479	10343	10346	55	11	0	1
8199	12721	12738	12218	12216	55	11	0	1
8201	11988	11993	11660	11637	55	11	0	1
8203	11313	11398	11136	11132	55	11	0	1
8205	10969	10971	10822	10819	55	11	0	1
8207	10651	10652	10475	10479	55	11	0	1
8209	10343	10336	10097	10074	55	11	0	1
8211	12218	12221	12001	11993	55	11	0	1
8213	11660	11679	11405	11398	55	11	0	1
8215	11136	11146	10974	10971	55	11	0	1
8217	10822	10823	10647	10652	55	11	0	1
8219	10475	10468	10319	10336	55	11	0	1
8221	12739	12740	12227	12221	55	11	0	1
8223	12001	12011	11699	11679	55	11	0	1
8225	11405	11411	11148	11146	55	11	0	1
8227	10974	10975	10825	10823	55	11	0	1
8229	10647	10639	10445	10468	55	11	0	1
8231	10319	10296	10105	10103	55	11	0	1
8233	12227	12229	12017	12011	55	11	0	1
8235	11699	11715	11414	11411	55	11	0	1
8237	11148	11152	10986	10975	55	11	0	1
8239	10825	10828	10626	10639	55	11	0	1
8241	10445	10430	10253	10296	55	11	0	1
8243	12741	12742	12230	12229	55	11	0	1
8245	12017	12020	11724	11715	55	11	0	1
8247	12742	12743	12228	12230	55	11	0	1
8249	12020	12019	11721	11724	55	11	0	1
8251	12743	12744	12224	12228	55	11	0	1
8253	12019	12010	11705	11721	55	11	0	1
8255	12744	12745	12212	12224	55	11	0	2
8257	12010	11990	11662	11705	55	11	0	2
8259	11417	11403	11141	11153	55	11	0	2
8261	10987	10970	10813	10829	55	11	0	2
8263	10627	10623	10443	10431	55	11	0	2

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
								Ind.
8070	11594	11595	11279	11276	55	11	0	1
8072	11042	11045	10904	10899	55	11	0	1
8074	10788	10794	10625	10624	55	11	0	1
8076	10466	10467	10333	10332	55	11	0	1
8078	12653	12659	12185	12184	55	11	0	1
8080	11935	11939	11596	11595	55	11	0	1
8082	11279	11283	11050	11045	55	11	0	1
8084	10904	10949	10799	10794	55	11	0	1
8086	10625	10628	10469	10467	55	11	0	1
8088	10333	10334	10030	10020	55	11	0	1
8090	12185	12186	11943	11939	55	11	0	1
8092	11596	11599	11285	11283	55	11	0	1
8094	11050	11057	10953	10949	55	11	0	1
8096	10799	10800	10629	10628	55	11	0	1
8098	10469	10470	10335	10334	55	11	0	1
8100	12672	12673	12188	12186	55	11	0	1
8102	11943	11946	11601	11599	55	11	0	1
8104	11285	11288	11061	11057	55	11	0	1
8106	10953	10954	10804	10800	55	11	0	1
8108	10629	10630	10471	10470	55	11	0	1
8110	10335	10337	10042	10035	55	11	0	1
8112	12188	12190	11947	11946	55	11	0	1
8114	11601	11605	11291	11288	55	11	0	1
8116	11061	11065	10956	10954	55	11	0	1
8118	10804	10806	10632	10630	55	11	0	1
8120	10471	10472	10338	10337	55	11	0	1
8122	12674	12682	12193	12190	55	11	0	1
8124	11947	11951	11608	11605	55	11	0	1
8126	11291	11294	11067	11065	55	11	0	1
8128	10956	10957	10809	10806	55	11	0	1
8130	10632	10634	10473	10472	55	11	0	1
8132	10338	10340	10053	10044	55	11	0	1
8134	12193	12196	11957	11951	55	11	0	1
8136	11608	11610	11298	11294	55	11	0	1
8138	11067	11072	10958	10957	55	11	0	1
8140	10809	10810	10636	10634	55	11	0	1
8142	10473	10474	10341	10340	55	11	0	1
8144	12683	12700	12200	12196	55	11	0	1
8146	11957	11963	11613	11610	55	11	0	1
8148	11298	11299	11075	11072	55	11	0	1
8150	10958	10959	10811	10810	55	11	0	1
8152	10636	10640	10476	10474	55	11	0	1
8154	10341	10342	10066	10064	55	11	0	1
8156	12200	12201	11966	11963	55	11	0	1
8158	11613	11617	11302	11299	55	11	0	1
8160	11075	11081	10961	10959	55	11	0	1
8162	10811	10812	10642	10640	55	11	0	1
8164	10476	10477	10344	10342	55	11	0	1
8166	12701	12702	12205	12201	55	11	0	1
8168	11966	11971	11621	11617	55	11	0	1
8170	11302	11305	11084	11081	55	11	0	1
8172	10961	10965	10815	10812	55	11	0	1
8174	10642	10644	10478	10477	55	11	0	1
8176	10344	10345	10070	10068	55	11	0	1
8178	12205	12208	11976	11971	55	11	0	1
8180	11621	11627	11311	11305	55	11	0	1
8182	11084	11129	10966	10965	55	11	0	1
8184	10815	10816	10648	10644	55	11	0	1
8186	10478	10482	10346	10345	55	11	0	1
8188	12703	12721	12216	12208	55	11	0	1
8190	11976	11988	11637	11627	55	11	0	1
8192	11311	11313	11132	11129	55	11	0	1
8194	10966	10969	10819	10816	55	11	0	1
8196	10648	10651	10479	10482	55	11	0	1
8198	10346	10343	10074	10072	55	11	0	1
8200	12216	12218	11993	11988	55	11	0	1
8202	11637	11660	11398	11313	55	11	0	1
8204	11132	11136	10971	10969	55	11	0	1
8206	10819	10822	10652	10651	55	11	0	1
8208	10479	10475	10336	10343	55	11	0	1
8210	12738	12739	12221	12218	55	11	0	1
8212	11993	12001	11679	11660	55	11	0	1
8214	11398	11405	11146	11136	55	11	0	1
8216	10971	10974	10823	10822	55	11	0	1
8218	10652	10647	10468	10475	55	11	0	1
8220	10336	10319	10103	10097	55	11	0	1
8222	12221	12227	12011	12001	55	11	0	1
8224	11679	11699	11411	11405	55	11	0	1
8226	11146	11148	10975	10974	55	11	0	1
8228	10823	10825	10639	10647	55	11	0	1
8230	10468	10445	10296	10319	55	11	0	1
8232	12740	12741	12229	12227	55	11	0	1
8234	12011	12017	11715	11699	55	11	0	1
8236	11411	11414	11152	11148	55	11	0	1
8238	10975	10986	10828	10825	55	11	0	1
8240	10639	10626	10430	10445	55	11	0	1
8242	10296	10253	10107	10105	55	11	0	1
8244	12229	12230	12020	12017	55	11	0	1
8246	11715	11724	11415	11414	55	11	0	1
8248	12230	12228	12019	12020	55	11	0	1
8250	11724	11721	11416	11415	55	11	0	1
8252	12228	12224	12010	12019	55	11	0	1
8254	11721	11705	11417	11416	55	11	0	1
8256	12224	12212	11990	12010	55	11	0	2
8258	11705	11662	11403	11417	55	11	0	2
8260	11153	11141	10970	10987	55	11	0	2
8262	10829	10813	10623	10627	55	11	0	2
8264	10431	10443	10295	10257	55	11	0	2

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
8265	10257	10295	10116	10114	55	11	0	2
8267	12212	12176	11918	11990	55	11	0	2
8269	11662	11586	11259	11403	55	11	0	2
8271	11141	11018	10858	10970	55	11	0	2
8273	10813	10756	10615	10623	55	11	0	2
8275	10443	10459	10326	10295	55	11	0	2
8277	10114	10113	10256	10257	55	11	0	1
8279	10111	10109	10254	10255	55	11	0	1
8281	12362	12364	12213	12214	55	11	0	2
8283	11986	11985	11645	11647	55	11	0	2
8285	12364	12366	12210	12213	55	11	0	1
8287	11985	11983	11644	11645	55	11	0	1
8289	12366	12368	12209	12210	55	11	0	1
8291	11983	11982	11640	11644	55	11	0	1
8293	12368	12370	12207	12209	55	11	0	1
8295	11982	11977	11632	11640	55	11	0	1
8297	12370	12372	12203	12207	55	11	0	1
8299	11977	11970	11620	11632	55	11	0	1
8301	11324	11306	11071	11087	55	11	0	1
8303	10908	10900	10733	10689	55	11	0	1
8305	10532	10586	10433	10366	55	11	0	1
8307	10166	10289	9703	9702	55	11	0	1
8309	12203	12199	11960	11970	55	11	0	1
8311	11620	11611	11297	11306	55	11	0	1
8313	11071	11059	10892	10900	55	11	0	1
8315	10733	10746	10593	10586	55	11	0	1
8317	10433	10440	10302	10289	55	11	0	1
8319	12374	12375	12195	12199	55	11	0	1
8321	11960	11952	11606	11611	55	11	0	1
8323	11297	11289	11051	11059	55	11	0	1
8325	10892	10888	10765	10746	55	11	0	1
8327	10593	10601	10446	10440	55	11	0	1
8329	10302	10311	9705	9704	55	11	0	1
8331	12195	12192	11949	11952	55	11	0	1
8333	11606	11603	11286	11289	55	11	0	1
8335	11051	11047	10887	10888	55	11	0	1
8337	10765	10770	10607	10601	55	11	0	1
8339	10446	10451	10317	10311	55	11	0	1
8341	12376	12377	12191	12192	55	11	0	1
8343	11949	11948	11602	11603	55	11	0	1
8345	11286	11284	11046	11047	55	11	0	1
8347	10887	10889	10776	10770	55	11	0	1
8349	10607	10610	10454	10451	55	11	0	1
8351	10317	10320	9707	9706	55	11	0	1
8353	12191	12194	11950	11948	55	11	0	1
8355	11602	11604	11287	11284	55	11	0	1
8357	11046	11048	10891	10889	55	11	0	1
8359	10776	10778	10611	10610	55	11	0	1
8361	10454	10455	10322	10320	55	11	0	1
8363	12378	12379	12198	12194	55	11	0	1
8365	11950	11955	11607	11604	55	11	0	1
8367	11287	11290	11052	11048	55	11	0	1
8369	10891	10894	10774	10778	55	11	0	1
8371	10611	10608	10452	10455	55	11	0	1
8373	10322	10318	9709	9708	55	11	0	1
8375	12198	12204	11967	11955	55	11	0	1
8377	11607	11614	11293	11290	55	11	0	1
8379	11052	11058	10897	10894	55	11	0	1
8381	10774	10768	10604	10608	55	11	0	1
8383	10452	10447	10312	10318	55	11	0	1
8385	12380	12381	12211	12204	55	11	0	1
8387	11967	11980	11623	11614	55	11	0	1
8389	11293	11300	11064	11058	55	11	0	1
8391	10897	10901	10750	10768	55	11	0	1
8393	10604	10594	10441	10447	55	11	0	1
8395	10312	10303	9711	9710	55	11	0	1
8397	12211	12219	11994	11980	55	11	0	1
8399	11623	11655	11312	11300	55	11	0	1
8401	11064	11074	10903	10901	55	11	0	1
8403	10750	10735	10587	10594	55	11	0	1
8405	10441	10434	10290	10303	55	11	0	1
8407	12382	12383	12226	12219	55	11	0	1
8409	11994	12008	11692	11655	55	11	0	1
8411	11312	11325	11088	11074	55	11	0	1
8413	10903	10909	10690	10735	55	11	0	1
8415	10587	10533	10367	10434	55	11	0	1
8417	10290	10167	9713	9712	55	11	0	1
8419	9701	9700	10164	10165	55	11	0	1
8421	9699	9697	10162	10163	55	11	0	2
8423	10364	10530	10531	10365	55	11	0	2
8425	10687	10906	10907	10688	55	11	0	2
8427	11085	11320	11321	11086	55	11	0	2
8429	10323	10321	10453	10456	55	11	0	1
8431	10612	10606	10751	10753	55	11	0	1
8433	10855	10868	11030	11015	55	11	0	1
8435	11256	11267	11591	11583	55	11	0	1
8437	11915	11931	12182	12173	55	11	0	1
8439	9737	9735	10314	10321	55	11	0	1
8441	10453	10448	10600	10606	55	11	0	1
8443	10751	10749	10879	10868	55	11	0	1
8445	11030	11040	11281	11267	55	11	0	1
8447	11591	11598	11945	11931	55	11	0	1
8449	12182	12189	12402	12404	55	11	0	1
8451	10314	10304	10442	10448	55	11	0	1
8453	10600	10592	10743	10749	55	11	0	1
8455	10879	10885	11055	11040	55	11	0	1
8457	11281	11295	11615	11598	55	11	0	1
8459	11945	11968	12202	12189	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
8266	12745	12749	12176	12212	55	11	0	2
8268	11990	11918	11586	11662	55	11	0	2
8270	11403	11259	11018	11141	55	11	0	2
8272	10970	10858	10756	10813	55	11	0	2
8274	10623	10615	10459	10443	55	11	0	2
8276	10295	10326	10139	10116	55	11	0	2
8278	10113	10111	10255	10256	55	11	0	1
8280	10109	10107	10253	10254	55	11	0	1
8282	12214	12213	11985	11986	55	11	0	2
8284	11647	11645	11321	11320	55	11	0	2
8286	12213	12210	11983	11985	55	11	0	1
8288	11645	11644	11322	11321	55	11	0	1
8290	12210	12209	11982	11983	55	11	0	1
8292	11644	11640	11323	11322	55	11	0	1
8294	12209	12207	11977	11982	55	11	0	1
8296	11640	11632	11324	11323	55	11	0	1
8298	12207	12203	11970	11977	55	11	0	1
8300	11632	11620	11306	11324	55	11	0	1
8302	11087	11071	10900	10908	55	11	0	1
8304	10689	10733	10586	10532	55	11	0	1
8306	10366	10433	10289	10166	55	11	0	1
8308	12372	12374	12199	12203	55	11	0	1
8310	11970	11960	11611	11620	55	11	0	1
8312	11306	11297	11059	11071	55	11	0	1
8314	10900	10892	10746	10733	55	11	0	1
8316	10586	10593	10440	10433	55	11	0	1
8318	10289	10302	9704	9703	55	11	0	1
8320	12199	12195	11952	11960	55	11	0	1
8322	11611	11606	11289	11297	55	11	0	1
8324	11059	11051	10888	10892	55	11	0	1
8326	10746	10765	10601	10593	55	11	0	1
8328	10440	10446	10311	10302	55	11	0	1
8330	12375	12376	12192	12195	55	11	0	1
8332	11952	11949	11603	11606	55	11	0	1
8334	11289	11286	11047	11051	55	11	0	1
8336	10888	10887	10770	10765	55	11	0	1
8338	10601	10607	10451	10446	55	11	0	1
8340	10311	10317	9706	9705	55	11	0	1
8342	12192	12191	11948	11949	55	11	0	1
8344	11603	11602	11284	11286	55	11	0	1
8346	11047	11046	10889	10887	55	11	0	1
8348	10770	10776	10610	10607	55	11	0	1
8350	10451	10454	10320	10317	55	11	0	1
8352	12377	12378	12194	12191	55	11	0	1
8354	11948	11950	11604	11602	55	11	0	1
8356	11284	11287	11048	11046	55	11	0	1
8358	10889	10891	10778	10776	55	11	0	1
8360	10610	10611	10455	10454	55	11	0	1
8362	10320	10322	9708	9707	55	11	0	1
8364	12194	12198	11955	11950	55	11	0	1
8366	11604	11607	11290	11287	55	11	0	1
8368	11048	11052	10894	10891	55	11	0	1
8370	10778	10774	10608	10611	55	11	0	1
8372	10455	10452	10318	10322	55	11	0	1
8374	12379	12380	12204	12198	55	11	0	1
8376	11955	11967	11614	11607	55	11	0	1
8378	11290	11293	11058	11052	55	11	0	1
8380	10894	10897	10768	10774	55	11	0	1
8382	10608	10604	10447	10452	55	11	0	1
8384	10318	10312	9710	9709	55	11	0	1
8386	12204	12211	11980	11967	55	11	0	1
8388	11614	11623	11300	11293	55	11	0	1
8390	11058	11064	10901	10897	55	11	0	1
8392	10768	10750	10594	10604	55	11	0	1
8394	10447	10441	10303	10312	55	11	0	1
8396	12381	12382	12219	12211	55	11	0	1
8398	11980	11994	11655	11623	55	11	0	1
8400	11300	11312	11074	11064	55	11	0	1
8402	10901	10903	10735	10750	55	11	0	1
8404	10594	10587	10434	10441	55	11	0	1
8406	10303	10290	9712	9711	55	11	0	1
8408	12219	12226	12008	11994	55	11	0	1
8410	11655	11692	11325	11312	55	11	0	1
8412	11074	11088	10909	10903	55	11	0	1
8414	10735	10690	10533	10587	55	11	0	1
8416	10434	10367	10167	10290	55	11	0	1
8418	9702	9701	10165	10166	55	11	0	1
8420	9700	9699	10163	10164	55	11	0	1
8422	10162	10364	10365	10163	55	11	0	2
8424	10530	10687	10688	10531	55	11	0	2
8426	10906	11085	11086	10907	55	11	0	2
8428	9754	9737	10321	10323	55	11	0	1
8430	10456	10453	10606	10612	55	11	0	1
8432	10753	10751	10868	10855	55	11	0	1
8434	11015	11030	11267	11256	55	11	0	1
8436	11583	11591	11931	11915	55	11	0	1
8438	12173	12182	12404	12416	55	11	0	1
8440	10321	10314	10448	10453	55	11	0	1
8442	10606	10600	10749	10751	55	11	0	1
8444	10868	10879	11040	11030	55	11	0	1
8446	11267	11281	11598	11591	55	11	0	1
8448	11931	11945	12189	12182	55	11	0	1
8450	9735	9733	10304	10314	55	11	0	1
8452	10448	10442	10592	10600	55	11	0	1
8454	10749	10743	10885	10879	55	11	0	1
8456	11040	11055	11295	11281	55	11	0	1
8458	11598	11615	11968	11945	55	11	0	1
8460	12189	12202	12400	12402	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
8461	9733	9731	10291	10304	55	11	0	1	8462	10304	10291	10435	10442	55	11	0	1
8463	10442	10435	10585	10592	55	11	0	1	8464	10592	10585	10731	10743	55	11	0	1
8465	10743	10731	10896	10885	55	11	0	1	8466	10885	10896	11070	11055	55	11	0	1
8467	11055	11070	11309	11295	55	11	0	1	8468	11295	11309	11646	11615	55	11	0	1
8469	11615	11646	11991	11968	55	11	0	1	8470	11968	11991	12217	12202	55	11	0	1
8471	12202	12217	12398	12400	55	11	0	1	8472	9731	9729	10171	10291	55	11	0	1
8473	10291	10171	10369	10435	55	11	0	1	8474	10435	10369	10535	10585	55	11	0	1
8475	10585	10535	10692	10731	55	11	0	1	8476	10731	10692	10911	10896	55	11	0	1
8477	10896	10911	11090	11070	55	11	0	1	8478	11070	11090	11327	11309	55	11	0	1
8479	11309	11327	11696	11646	55	11	0	1	8480	11646	11696	12002	11991	55	11	0	1
8481	11991	12002	12220	12217	55	11	0	1	8482	12217	12220	12395	12398	55	11	0	1
8483	11696	11695	12005	12002	55	11	0	1	8484	12002	12005	12222	12220	55	11	0	1
8485	12220	12222	12393	12395	55	11	0	1	8486	11695	11694	12006	12005	55	11	0	1
8487	12005	12006	12223	12222	55	11	0	1	8488	12222	12223	12391	12393	55	11	0	1
8489	11694	11693	12007	12006	55	11	0	1	8490	12006	12007	12225	12223	55	11	0	1
8491	12223	12225	12389	12391	55	11	0	1	8492	11693	11692	12008	12007	55	11	0	2
8493	12007	12008	12226	12225	55	11	0	2	8494	12225	12226	12383	12389	55	11	0	2
8495	9729	9727	10170	10171	55	11	0	1	8496	9727	9725	10169	10170	55	11	0	1
8497	9725	9723	10168	10169	55	11	0	1	8498	9723	9713	10167	10168	55	11	0	2
8499	10167	10367	10368	10168	55	11	0	2	8500	10367	10533	10534	10368	55	11	0	2
8501	10533	10690	10691	10534	55	11	0	2	8502	10690	10909	10910	10691	55	11	0	2
8503	10909	11088	11089	10910	55	11	0	2	8504	11088	11325	11326	11089	55	11	0	2
8505	11325	11692	11693	11326	55	11	0	2	8506	9754	10323	10316	9755	80	16	0	1
8507	9755	10316	10310	9756	80	16	0	1	8508	9756	10310	10299	9757	80	16	0	1
8509	9757	10299	10287	9758	80	16	0	1	8510	9758	10287	10172	9759	80	16	0	1
8511	10323	10456	10449	10316	80	16	0	1	8512	10316	10449	10444	10310	80	16	0	1
8513	10310	10444	10439	10299	80	16	0	1	8514	10299	10439	10432	10287	80	16	0	1
8515	10287	10432	10370	10172	80	16	0	1	8516	10456	10612	10603	10449	80	16	0	1
8517	10449	10603	10597	10444	80	16	0	1	8518	10444	10597	10591	10439	80	16	0	1
8519	10439	10591	10583	10432	80	16	0	1	8520	10432	10583	10536	10370	80	16	0	1
8521	10612	10753	10745	10603	80	16	0	1	8522	10603	10745	10741	10597	80	16	0	1
8523	10597	10741	10734	10591	80	16	0	1	8524	10591	10734	10730	10583	80	16	0	1
8525	10583	10730	10693	10536	80	16	0	1	8526	10753	10855	10865	10745	80	16	0	1
8527	10745	10865	10878	10741	80	16	0	1	8528	10741	10878	10882	10734	80	16	0	1
8529	10734	10882	10893	10730	80	16	0	1	8530	10730	10893	10912	10693	80	16	0	1
8531	10855	11015	11031	10865	80	16	0	1	8532	10865	11031	11041	10878	80	16	0	1
8533	10878	11041	11054	10882	80	16	0	1	8534	10882	11054	11068	10893	80	16	0	1
8535	10893	11068	11091	10912	80	16	0	1	8536	11015	11256	11269	11031	80	16	0	1
8537	11031	11269	11282	11041	80	16	0	1	8538	11041	11282	11292	11054	80	16	0	1
8539	11054	11292	11304	11068	80	16	0	1	8540	11068	11304	11328	11091	80	16	0	1
8541	11256	11583	11592	11269	80	16	0	1	8542	11269	11592	11597	11282	80	16	0	1
8543	11282	11597	11609	11292	80	16	0	1	8544	11292	11609	11622	11304	80	16	0	1
8545	11304	11622	11648	11328	80	16	0	1	8546	11583	11915	11930	11592	80	16	0	1
8547	11592	11930	11941	11597	80	16	0	1	8548	11597	11941	11956	11609	80	16	0	1
8549	11609	11956	11972	11622	80	16	0	1	8550	11622	11972	11987	11648	80	16	0	1
8551	11915	12173	12181	11930	80	16	0	1	8552	11930	12181	12187	11941	80	16	0	1
8553	11941	12187	12197	11956	80	16	0	1	8554	11956	12197	12206	11972	80	16	0	1
8555	11972	12206	12215	11987	80	16	0	1	8556	12173	12416	12417	12181	80	16	0	1
8557	12181	12417	12418	12187	80	16	0	1	8558	12187	12418	12419	12197	80	16	0	1
8559	12197	12419	12420	12206	80	16	0	1	8560	12206	12420	12421	12215	80	16	0	1
8561	11916	11584	11578	11884	55	11	0	2	8562	11584	11257	11250	11578	55	11	0	2
8563	11257	11016	11012	11250	55	11	0	2	8564	11016	10856	10862	11012	55	11	0	2
8565	10856	10754	10795	10862	55	11	0	2	8566	10754	10613	10659	10795	55	11	0	2
8567	10613	10457	10498	10659	55	11	0	2	8568	10457	10324	10339	10498	55	11	0	2
8569	9907	9905	10339	10324	55	11	0	2	8570	9905	9901	10313	10339	55	11	0	2
8571	9900	10210	10313	9901	55	11	0	2	8572	10210	10387	10499	10313	55	11	0	2
8573	10387	10553	10658	10499	55	11	0	2	8574	10553	10710	10790	10658	55	11	0	2
8575	10710	10929	10872	10790	55	11	0	2	8576	10929	11108	11009	10872	55	11	0	2
8577	11108	11361	11208	11009	55	11	0	2	8578	11361	11483	11422	11208	55	11	0	2
8579	11361	11360	11507	11483	55	11	0	1	8580	11360	11359	11506	11507	55	11	0	1
8581	11359	11358	11492	11506	55	11	0	1	8582	11358	11235	11464	11492	55	11	0	1
8583	11358	11107	11034	11235	55	11	0	1	8584	11107	10928	10859	11034	55	11	0	1
8585	10928	10709	10737	10859	55	11	0	1	8586	10709	10552	10609	10737	55	11	0	1
8587	10552	10386	10481	10609	55	11	0	1	8588	10386	10207	10349	10481	55	11	0	1
8589	9891	9890	10349	10207	55	11	0	1	8590	9890	9888	10278	10349	55	11	0	1
8591	9888	9875	10351	10278	55	11	0	1	8592	9874	10206	10351	9875	55	11	0	1
8593	10206	10385	10486	10351	55	11	0	1	8594	10385	10551	10620	10486	55	11	0	1
8595	10551	10708	10738	10620	55	11	0	1	8596	10708	10927	10870	10738	55	11	0	1
8597	10927	11106	11026	10870	55	11	0	1	8598	11106	11357	11227	11026	55	11	0	1
8599	11357	11510	11468	11227	55	11	0	1	8600	11357	11356	11529	11510	55	11	0	1
8601	11356	11355	11541	11529	55	11	0	1	8602	11355	11354	11545	11541	55	11	0	1
8603	11354	11266	11544	11545	55	11	0	1	8604	11354	11105	11130	11266	55	11	0	1
8605	11105	10926	10895	11130	55	11	0	1	8606	10926	10707	10681	10895	55	11	0	1
8607	10707	10550	10523	10681	55	11	0	1	8608	10550	10384	10361	10523	55	11	0	1
8609	10384	10203	10258	10361	55	11	0	1	8610	9871	9870	10258	10203	55	11	0	1
8611	9870	9869	10265	10258	55	11	0	1	8612	9869	9867	10286	10265	55	11	0	1
8613	9867	9860	10267	10286	55	11	0	1	8614	9859	10202	10267	9860	55	11	0	1
8615	10202	10383	10411	10267	55	11	0	1	8616	10383	10549	10575	10411	55	11	0	1
8617	10549	10706	10762	10575	55	11	0	1	8618	10706	10925	10963	10762	55	11	0	1
8619	10925	11104	11062	10963	55	11	0	1	8620	11104	11353	11241	11062	55	11	0	1
8621	11353	11536	11482	11241	55	11	0	1	8622	11353	11352	11549	11536	55	11	0	1
8623	11352	11351	11550	11549	55	11	0	1	8624	11351	11350	11538	11550	55	11	0	1
8625	11350	11231	11474	11538	55	11	0	1	8626	11350	11103	11025	11231	55	11	0	1
8627	11103	10924	10854	11025	55	11	0	1	8628	10924	10705	10747	10854	55	11	0	1
8629	10705	10548	10633	10747	55	11	0	1	8630	10548	10382	10493	10633	55	11	0	1
8631	10382	10198	10307	10493	55	11	0	1	8632	9855	9854	10307	10198	55	11	0	1
8633	9854	9852	10308	10307	55	11	0	1	8634	9852	9845	10285	10308	55	11	0	1
8635	9844	10197	10285	9845	55	11	0	1	8636	10197	10381	10437	10285	55	11	0	1
8637	10381	10547	10529	10437	55	11	0	1	8638	10547	10704	10682	10529	55	11	0	1
8639	10704	10923	10849	10682	55	11	0	1	8640	10923	11102	11022	10849	55	11	0	1
8641	11102	11349	11237	11022	55	11	0	1	8642	11349	11563	11496	11237	55	11	0	1
8643	11349	11348	11572	11563	55	11	0	1	8644	11348	11347	11580	11572	55	11	0	1
8645	11347	11346	11551	11580	55	11	0	1	8646	11346	11274	11494	11551	55	11	0	1
8647	11346	11101	11149	11274	55	11	0	1	8648	11101	10922	10976	11149	55	11	0	1
8649	10922	10703	10807	10976	55	11	0	1	8650	10703	10546	10584	10807	55	11	0	1
8651	10546	10380	10408	10584	55	11	0	1	8652	10380	10193	10263	10408	55	11	0	1
8653	9840	9839	10263	10193	55	11	0	1	8654	9839	9837	10281	10263	55	11	0	1
8655	9837	9824	10270	10281	55	11	0	1	8656	9823	10192	10270	9824	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
								Ind.									Ind.
8657	10192	10379	10415	10270	55	11	0	1	8658	10379	10545	10578	10415	55	11	0	1
8659	10545	10702	10801	10578	55	11	0	1	8660	10702	10921	10973	10801	55	11	0	1
8661	10921	11100	11044	10973	55	11	0	1	8662	11100	11345	11214	11044	55	11	0	1
8663	11345	11509	11472	11214	55	11	0	1	8664	11345	11344	11526	11509	55	11	0	1
8665	11344	11343	11533	11526	55	11	0	1	8666	11343	11342	11521	11533	55	11	0	1
8667	11342	11252	11480	11521	55	11	0	1	8668	11342	11099	11145	11252	55	11	0	1
8669	11099	10920	10968	11145	55	11	0	1	8670	10920	10701	10766	10968	55	11	0	1
8671	10701	10544	10574	10766	55	11	0	1	8672	10544	10378	10406	10574	55	11	0	1
8673	10378	10188	10262	10406	55	11	0	1	8674	9819	9818	10262	10188	55	11	0	1
8675	9818	9816	10280	10262	55	11	0	1	8676	9816	9810	10272	10280	55	11	0	1
8677	9809	10187	10272	9810	55	11	0	1	8678	10187	10377	10416	10272	55	11	0	1
8679	10377	10543	10572	10416	55	11	0	1	8680	10543	10700	10758	10572	55	11	0	1
8681	10700	10919	10967	10758	55	11	0	1	8682	10919	11098	11144	10967	55	11	0	1
8683	11098	11341	11243	11144	55	11	0	1	8684	11341	11489	11443	11243	55	11	0	1
8685	11341	11340	11566	11489	55	11	0	1	8686	11340	11339	11574	11566	55	11	0	1
8687	11339	11338	11575	11574	55	11	0	1	8688	11338	11234	11477	11575	55	11	0	1
8689	11338	11097	11029	11234	55	11	0	1	8690	11097	10918	10861	11029	55	11	0	1
8691	10918	10699	10777	10861	55	11	0	1	8692	10699	10542	10643	10777	55	11	0	1
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8849	10426	10275	10283	10429	55	11	0	1	8850	10589	10429	10419	10582	55	11	0	1
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In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
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8855	10821	10589	10582	10786	55	11	0	1	8856	11450	11543	11779	11719	55	11	0	1
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9033	10798	10581	10572	10758	55	11	0	1	9034	10681	10523	10526	10686	55	11	0	1
9035	10523	10361	10409	10526	55	11	0	1	9036	10361	10258	10265	10409	55	11	0	1
9037	10686	10526	10576	10789	55	11	0	1	9038	10526	10409	10422	10576	55	11	0	1
9039	10409	10265	10286	10422	55	11	0	1	9040	10789	10576	10575	10762	55	11	0	1
9041	10576	10422	10411	10575	55	11	0	1	9042	10422	10286	10267	10411	55	11	0	1
9043	11466	11500	11742	11708	55	11	0	1	9044	11708	11742	11892	11868	55	11	0	1
9045	11868	11892	12115	12082	55	11	0	1	9046	12082	12115	12349	12288	55	11	0	1
9047	11145	10968	10979	11166	55	11	0	1	9048	11252	11145	11166	11271	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
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9049	11166	11418	11454	11271	55	11	0	1	9050	11454	11480	11252	11271	55	11	0	1
9051	11243	11443	11430	11254	55	11	0	1	9052	11430	11418	11166	11254	55	11	0	1
9053	11166	11144	11243	11254	55	11	0	1	9054	11166	10979	10967	11144	55	11	0	1
9055	10861	10777	10805	10902	55	11	0	1	9056	10902	10805	10824	10851	55	11	0	1
9057	10851	10824	10817	10951	55	11	0	1	9058	10951	10817	10803	10884	55	11	0	1
9059	11307	11497	11445	11265	55	11	0	1	9060	11265	11445	11435	11216	55	11	0	1
9061	11216	11435	11477	11234	55	11	0	1	9062	10902	10851	11001	11076	55	11	0	1
9063	11076	11029	10861	10902	55	11	0	1	9064	11216	11234	11029	11076	55	11	0	1
9065	11172	11307	11265	11176	55	11	0	1	9066	11265	11216	11076	11176	55	11	0	1
9067	11076	11001	11172	11176	55	11	0	1	9068	11229	11466	11460	11232	55	11	0	1
9069	11232	11460	11537	11303	55	11	0	1	9070	11303	11537	11497	11307	55	11	0	1
9071	10951	10884	11033	11127	55	11	0	1	9072	11127	11001	10851	10951	55	11	0	1
9073	11303	11307	11172	11178	55	11	0	1	9074	11172	11001	11127	11178	55	11	0	1
9075	11127	11232	11303	11178	55	11	0	1	9076	11127	11033	11229	11232	55	11	0	1
9077	12353	12355	12167	12163	55	11	0	1	9078	12163	12086	12293	12353	55	11	0	1
9079	11489	11566	11848	11689	55	11	0	1	9080	11848	11846	11676	11689	55	11	0	1
9081	11676	11443	11489	11689	55	11	0	1	9082	12163	12167	12027	12026	55	11	0	1
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9139	11044	11214	11196	11079	55	11	0	1	9140	11149	10976	10989	11187	55	11	0	1
9141	11274	11149	11187	11400	55	11	0	1	9142	11187	11453	11561	11400	55	11	0	1
9143	11561	11494	11274	11400	55	11	0	1	9144	11472	11509	11763	11753	55	11	0	1
9145	11509	11526	11771	11763	55	11	0	1	9146	11526	11533	11776	11771	55	11	0	1
9147	11533	11521	11770	11776	55	11	0	1	9148	11521	11480	11740	11770	55	11	0	1
9149	11753	11763	11974	11969	55	11	0	1	9150	11763	11771	11979	11974	55	11	0	1
9151	11771	11776	11978	11979	55	11	0	1	9152	11776	11770	11959	11978	55	11	0	1
9153	11770	11740	11913	11959	55	11	0	1	9154	11969	11974	12155	12158	55	11	0	1
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9159	12158	12155	12348	12339	55	11	0	1	9160	12155	12154	12347	12348	55	11	0	1
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9163	12148	12118	12327	12332	55	11	0	1	9164	11701	11842	11859	11718	55	11	0	1
9165	11718	11551	11494	11701	55	11	0	1	9166	11852	11834	11572	11580	55	11	0	1
9167	11718	11859	11869	11757	55	11	0	1	9168	11869	11852	11580	11757	55	11	0	1
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9175	12236	12250	12067	12054	55	11	0	1	9176	12033	12024	12164	12162	55	11	0	1
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9185	12114	12016	11973	12052	55	11	0	1	9186	11973	11936	12096	12052	55	11	0	1
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9193	11788	11973	12016	11826	55	11	0	1	9194	11826	12016	12024	11842	55	11	0	1
9195	11701	11494	11561	11704	55	11	0	1	9196	11561	11788	11826	11704	55	11	0	1
9197	11826	11842	11701	11704	55	11	0	1	9198	11561	11453	11769	11788	55	11	0	1
9199	10854	10747	10739	10845	55	11	0	1	9200	10845	10739	10744	10835	55	11	0	1
9201	10835	10744	10742	10848	55	11	0	1	9202	10848	10742	10682	10849	55	11	0	1
9203	11237	11496	11427	11207	55	11	0	1	9204	11207	11427	11428	11245	55	11	0	1
9205	11245	11428	11434	11253	55	11	0	1	9206	10848	10849	11022	11063	55	11	0	1
9207	11063	10998	10835	10848	55	11	0	1	9208	11245	11253	11164	11168	55	11	0	1
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9215	10845	10835	10998	11066	55	11	0	1	9216	11066	11025	10854	10845	55	11	0	1
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9221	10895	10681	10686	10850	55	11	0	1	9222	10850	10686	10789	10982	55	11	0	1
9223	10982	10789	10762	10963	55	11	0	1	9224	11130	10895	10850	10997	55	11	0	1
9225	11314	11310	11560	11556	55	11	0	1	9226	11556	11544	11266	11314	55	11	0	1
9227	11162	11310	11314	11177	55	11	0	1	9228	11314	11266	11130	11177	55	11	0	1
9229	11130	10997	11162	11177	55	11	0	1	9230	11241	11482	11493	11240	55	11	0	1
9231	11240	11493	11552	11278	55	11	0	1	9232	11278	11552	11560	11310	55	11	0	1
9233	11138	10982	10963	11062	55	11	0	1	9234	11062	11241	11240	11138	55	11	0	1
9235	10997	10850	10982	10994	55	11	0	1	9236	10982	11138	11158	10994	55	11	0	1
9237	11158	11162	10997	10994	55	11	0	1	9238	11158	11138	11240	11278	55	11	0	1
9239	11278	11310	11162	11158	55	11	0	1	9240	11784	11545	11544	11786	55	11	0	1
9241	11786	11544	11556	11800	55	11	0	1	9242	11800	11556	11560	11812	55	11	0	1
9243	12037	12234	12231	12029	55	11	0	1	9244	12029	11800	11812	12037	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
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9247	12137	11989	12009	12106	55	11	0	1	9248	12009	12029	12231	12106	55	11	0	1
9249	12231	12280	12137	12106	55	11	0	1	9250	11812	11560	11552	11799	55	11	0	1
9251	11799	11552	11493	11745	55	11	0	1	9252	11745	11493	11482	11725	55	11	0	1
9253	11725	11482	11536	11778	55	11	0	1	9254	12037	11812	11799	12031	55	11	0	1
9255	12031	12247	12234	12037	55	11	0	1	9256	12166	12354	12357	12168	55	11	0	1
9257	12357	12247	12031	12168	55	11	0	1	9258	12031	11984	12166	12168	55	11	0	1
9259	11745	11725	11851	11863	55	11	0	1	9260	11984	12031	11863	11851	55	11	0	1
9261	11725	11778	11984	11851	55	11	0	1	9262	12031	11799	11745	11863	55	11	0	1
9263	11563	11572	11834	11817	55	11	0	1	9264	11817	11834	12065	12045	55	11	0	1
9265	12045	12065	12261	12252	55	11	0	1	9266	12045	12252	12255	12040	55	11	0	1
9267	12040	11785	11817	12045	55	11	0	1	9268	12314	12329	12142	12101	55	11	0	1
9269	12101	12040	12255	12314	55	11	0	1	9270	11803	11785	12040	11911	55	11	0	1
9271	12040	12101	11998	11911	55	11	0	1	9272	11998	11814	11803	11911	55	11	0	1
9273	11999	11818	11814	11998	55	11	0	1	9274	11998	12101	12142	11999	55	11	0	1
9275	11803	11814	11618	11600	55	11	0	1	9276	11814	11818	11638	11618	55	11	0	1
9277	11600	11618	11434	11428	55	11	0	1	9278	11618	11638	11438	11434	55	11	0	1
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9283	12350	12351	12161	12152	55	11	0	1	9284	12351	12354	12166	12161	55	11	0	1
9285	12152	12161	11992	11981	55	11	0	1	9286	12161	12166	11984	11992	55	11	0	1
9287	11981	11992	11783	11782	55	11	0	1	9288	11992	11984	11778	11783	55	11	0	1
9289	11782	11783	11549	11550	55	11	0	1	9290	11783	11778	11536	11549	55	11	0	1
9291	11999	12142	12129	11898	55	11	0	1	9292	12142	12329	12330	12129	55	11	0	1
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9295	11944	12147	12152	11981	55	11	0	1	9296	12147	12342	12350	12152	55	11	0	1
9297	11782	11550	11538	11773	55	11	0	1	9298	11773	11944	11981	11782	55	11	0	1
9299	11773	11538	11474	11726	55	11	0	1	9300	11726	11898	11944	11773	55	11	0	1
9301	11818	11999	11898	11811	55	11	0	1	9302	11898	11726	11670	11811	55	11	0	1
9303	11670	11638	11818	11811	55	11	0	1	9304	11439	11438	11638	11670	55	11	0	1
9305	11670	11726	11474	11439	55	11	0	1	9306	9900	9897	10209	10210	55	11	0	1
9307	9897	9893	10208	10209	55	11	0	1	9308	9893	9891	10207	10208	55	11	0	1
9309	9874	9873	10205	10206	55	11	0	1	9310	9873	9872	10204	10205	55	11	0	1
9311	9872	9871	10203	10204	55	11	0	1	9312	9859	9858	10201	10202	55	11	0	1
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9315	9856	9855	10198	10199	55	11	0	1	9316	9844	9843	10196	10197	55	11	0	1
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9333	9767	9765	10175	10176	55	11	0	1	9334	9765	9763	10174	10175	55	11	0	1
9335	9763	9761	10173	10174	55	11	0	2	9336	9761	9759	10172	10173	55	11	0	2
9337	10172	10370	10371	10173	55	11	0	2	9338	10173	10371	10372	10174	55	11	0	2
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9345	10912	11091	11092	10913	55	11	0	2	9346	10913	11092	11093	10914	55	11	0	2
9347	11091	11328	11329	11092	55	11	0	2	9348	11092	11329	11330	11093	55	11	0	2
9349	10458	10614	10661	10461	55	11	0	2	9350	10614	10755	10832	10661	55	11	0	2
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9353	11017	11258	11316	11133	55	11	0	2	9354	11258	11585	11616	11316	55	11	0	2
9355	11585	11917	11905	11616	55	11	0	2	9356	11917	12175	12172	11905	55	11	0	2
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9359	12625	12624	12302	12253	55	11	0	2	9360	12624	12623	12328	12302	55	11	0	1
9361	12623	12622	12315	12328	55	11	0	1	9362	12622	12621	12311	12315	55	11	0	1
9363	12621	12620	12244	12311	55	11	0	1	9364	12620	12619	12237	12244	55	11	0	1
9365	12619	12617	12242	12237	55	11	0	1	9366	12617	12616	12274	12242	55	11	0	1
9367	12616	12615	12307	12274	55	11	0	1	9368	12615	12614	12316	12307	55	11	0	1
9369	12614	12613	12321	12316	55	11	0	1	9370	12613	12612	12324	12321	55	11	0	1
9371	12612	12611	12323	12324	55	11	0	1	9372	12611	12609	12337	12323	55	11	0	1
9373	12609	12608	12341	12337	55	11	0	1	9374	12608	12607	12340	12341	55	11	0	1
9375	12607	12606	12343	12340	55	11	0	1	9376	12606	12605	12312	12343	55	11	0	1
9377	12605	12604	12304	12312	55	11	0	1	9378	12604	12603	12300	12304	55	11	0	1
9379	12603	12602	12297	12300	55	11	0	1	9380	12602	12600	12279	12297	55	11	0	1
9381	12600	12599	12296	12279	55	11	0	1	9382	12599	12598	12326	12296	55	11	0	1
9383	12598	12597	12336	12326	55	11	0	1	9384	12597	12596	12346	12336	55	11	0	1
9385	12596	12595	12319	12346	55	11	0	1	9386	12595	12594	12291	12319	55	11	0	1
9387	12594	12593	12232	12291	55	11	0	1	9388	12593	12591	12275	12232	55	11	0	1
9389	12591	12590	12286	12275	55	11	0	1	9390	12590	12589	12235	12286	55	11	0	1
9391	12589	12588	12251	12235	55	11	0	1	9392	12588	12587	12257	12251	55	11	0	1
9393	12587	12586	12266	12257	55	11	0	1	9394	12586	12585	12269	12266	55	11	0	1
9395	12585	12583	12246	12269	55	11	0	1	9396	12583	12582	12245	12246	55	11	0	1
9397	12582	12581	12240	12245	55	11	0	1	9398	12581	12580	12241	12240	55	11	0	1
9399	12580	12579	12248	12241	55	11	0	1	9400	12579	12578	12271	12248	55	11	0	1
9401	12578	12577	12276	12271	55	11	0	1	9402	12577	12576	12273	12276	55	11	0	1
9403	12576	12574	12258	12273	55	11	0	1	9404	12574	12573	12259	12258	55	11	0	1
9405	12573	12572	12254	12259	55	11	0	1	9406	12572	12571	12256	12254	55	11	0	1
9407	12571	12570	12263	12256	55	11	0	1	9408	12570	12569	12249	12263	55	11	0	1
9409	12569	12568	12233	12249	55	11	0	1	9410	12568	12567	12281	12233	55	11	0	1
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9413	12564	12563	12268	12310	55	11	0	1	9414	12563	12562	12265	12268	55	11	0	1
9415	12562	12561	12267	12265	55	11	0	1	9416	12561	12560	12284	12267	55	11	0	1
9417	12560	12559	12290	12284	55	11	0	2	9418	12559	12557	12301	12290	55	11	0	2
9419	12557	12556	12318	12301	55	11	0	2	9420	12556	12555	12335	12318	55	11	0	1
9421	12555	12554	12322	12335	55	11	0	1	9422	12554	12553	12292	12322	55	11	0	1
9423	12553	12552	12243	12292	55	11	0	1	9424	12552	12551	12170	12243	55	11	0	2
9425	12550	12174	12170	12551	55	11	0	2	9426	12174	11916	11906	12170	55	11	0	2
9427	11916	11584	11661	11906	55	11	0	2	9428	11584	11257	11409	11661	55	11	0	2
9429	11257	11016	11082	11409	55	11	0	2	9430	11016	10856	10890	11082	55	11	0	2
9431	10856	10754	10732	10890	55	11	0	2	9432	10754	10613	10590	10732	55	11	0	2
9433	10613	10457	10436	10590	55	11	0	2	9434	10457	10324	10292	10436	55	11	0	2
9435	9907	9909	10292	10324	55	11	0	2	9436	9910	10211	10292	9909	55	11	0	2
9437	10211	10388	10436	10292	55	11	0	2	9438	10388	10554	10590	10436	55	11	0	2
9439	10554	10711	10732	10590	55	11	0	2	9440	10711	10930	10890	10732	55	11	0	2

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
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9441	10930	11109	11082	10890	55	11	0	2	9442	11109	11362	11409	11082	55	11	0	2
9443	11362	11513	11532	11409	55	11	0	2	9444	11362	11363	11519	11513	55	11	0	1
9445	11363	11364	11522	11519	55	11	0	1	9446	11364	11365	11520	11522	55	11	0	1
9447	11365	11228	11479	11520	55	11	0	2	9448	11365	11110	11011	11228	55	11	0	2
9449	11110	10931	10847	11011	55	11	0	2	9450	10931	10712	10759	10847	55	11	0	2
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9453	10389	10215	10305	10494	55	11	0	2	9454	9914	9915	10305	10215	55	11	0	2
9455	9915	9916	10300	10305	55	11	0	2	9456	9917	10216	10300	9916	55	11	0	2
9457	10216	10390	10491	10300	55	11	0	2	9458	10390	10556	10650	10491	55	11	0	2
9459	10556	10713	10782	10650	55	11	0	2	9460	10713	10932	10863	10782	55	11	0	2
9461	10932	11111	11008	10863	55	11	0	2	9462	11111	11366	11213	11008	55	11	0	2
9463	11366	11557	11449	11213	55	11	0	2	9464	11366	11367	11569	11557	55	11	0	1
9465	11367	11368	11573	11569	55	11	0	1	9466	11368	11369	11576	11573	55	11	0	1
9467	11369	11249	11498	11576	55	11	0	1	9468	11369	11112	11128	11249	55	11	0	1
9469	11112	10933	10898	11128	55	11	0	1	9470	10933	10714	10740	10898	55	11	0	1
9471	10714	10557	10595	10740	55	11	0	1	9472	10557	10391	10450	10595	55	11	0	1
9473	10391	10220	10347	10450	55	11	0	1	9474	9921	9922	10347	10220	55	11	0	1
9475	9922	9923	10352	10347	55	11	0	1	9476	9924	10221	10352	9923	55	11	0	1
9477	10221	10392	10464	10352	55	11	0	1	9478	10392	10558	10605	10464	55	11	0	1
9479	10558	10715	10792	10605	55	11	0	1	9480	10715	10934	10964	10792	55	11	0	1
9481	10934	11113	11060	10964	55	11	0	1	9482	11113	11370	11222	11060	55	11	0	1
9483	11370	11527	11446	11222	55	11	0	1	9484	11370	11371	11577	11527	55	11	0	1
9485	11371	11372	11571	11577	55	11	0	1	9486	11372	11373	11562	11571	55	11	0	1
9487	11373	11275	11523	11562	55	11	0	1	9488	11373	11114	11142	11275	55	11	0	1
9489	11114	10935	10948	11142	55	11	0	1	9490	10935	10716	10680	10948	55	11	0	1
9491	10716	10559	10522	10680	55	11	0	1	9492	10559	10393	10362	10522	55	11	0	1
9493	10393	10225	10259	10362	55	11	0	1	9494	9928	9929	10259	10225	55	11	0	1
9495	9929	9930	10266	10259	55	11	0	1	9496	9930	9931	10277	10266	55	11	0	1
9497	9931	9932	10268	10277	55	11	0	1	9498	9933	10226	10268	9932	55	11	0	1
9499	10226	10394	10410	10268	55	11	0	1	9500	10394	10560	10527	10410	55	11	0	1
9501	10560	10717	10684	10527	55	11	0	1	9502	10717	10936	10905	10684	55	11	0	1
9503	10936	11115	11137	10905	55	11	0	1	9504	11115	11374	11248	11137	55	11	0	1
9505	11374	11553	11469	11248	55	11	0	1	9506	11374	11375	11564	11553	55	11	0	1
9507	11375	11376	11565	11564	55	11	0	1	9508	11376	11377	11559	11565	55	11	0	1
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9511	11116	10937	10860	11038	55	11	0	1	9512	10937	10718	10729	10860	55	11	0	1
9513	10718	10561	10599	10729	55	11	0	1	9514	10561	10395	10480	10599	55	11	0	1
9515	10395	10229	10348	10480	55	11	0	1	9516	9936	9937	10348	10229	55	11	0	1
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9519	9940	10230	10350	9939	55	11	0	1	9520	10230	10396	10485	10350	55	11	0	1
9521	10396	10562	10619	10485	55	11	0	1	9522	10562	10719	10736	10619	55	11	0	1
9523	10719	10938	10874	10736	55	11	0	1	9524	10938	11117	11020	10874	55	11	0	1
9525	11117	11378	11220	11020	55	11	0	1	9526	11378	11555	11447	11220	55	11	0	1
9527	11378	11379	11570	11555	55	11	0	1	9528	11379	11380	11579	11570	55	11	0	1
9529	11380	11381	11525	11579	55	11	0	1	9530	11381	11224	11444	11525	55	11	0	1
9531	11381	11118	11024	11224	55	11	0	1	9532	11118	10939	10869	11024	55	11	0	1
9533	10939	10720	10760	10869	55	11	0	1	9534	10720	10563	10641	10760	55	11	0	1
9535	10563	10397	10497	10641	55	11	0	1	9536	10397	10234	10309	10497	55	11	0	1
9537	9944	9945	10309	10234	55	11	0	1	9538	9945	9946	10330	10309	55	11	0	1
9539	9946	9947	10288	10330	55	11	0	1	9540	9948	10235	10288	9947	55	11	0	1
9541	10235	10398	10438	10288	55	11	0	1	9542	10398	10564	10573	10438	55	11	0	1
9543	10564	10721	10779	10573	55	11	0	1	9544	10721	10940	10962	10779	55	11	0	1
9545	10940	11119	11056	10962	55	11	0	1	9546	11119	11382	11221	11056	55	11	0	1
9547	11382	11481	11433	11221	55	11	0	1	9548	11382	11383	11501	11481	55	11	0	1
9549	11383	11384	11515	11501	55	11	0	1	9550	11384	11385	11508	11515	55	11	0	1
9551	11385	11262	11485	11508	55	11	0	1	9552	11385	11120	11143	11262	55	11	0	1
9553	11120	10941	10952	11143	55	11	0	1	9554	10941	10722	10683	10952	55	11	0	1
9555	10722	10565	10524	10683	55	11	0	1	9556	10565	10399	10363	10524	55	11	0	1
9557	10399	10238	10264	10363	55	11	0	1	9558	9951	9952	10264	10238	55	11	0	1
9559	9952	9953	10284	10264	55	11	0	1	9560	9953	9954	10282	10284	55	11	0	1
9561	9954	9955	10271	10282	55	11	0	1	9562	9956	10239	10271	9955	55	11	0	1
9563	10239	10400	10413	10271	55	11	0	1	9564	10400	10566	10528	10413	55	11	0	1
9565	10566	10723	10685	10528	55	11	0	1	9566	10723	10942	10950	10685	55	11	0	1
9567	10942	11121	11139	10950	55	11	0	1	9568	11121	11386	11247	11139	55	11	0	1
9569	11386	11486	11451	11247	55	11	0	1	9570	11386	11387	11505	11486	55	11	0	1
9571	11387	11388	11516	11505	55	11	0	1	9572	11388	11389	11503	11516	55	11	0	1
9573	11389	11218	11467	11503	55	11	0	1	9574	11389	11122	11010	11218	55	11	0	1
9575	11122	10943	10853	11010	55	11	0	1	9576	10943	10724	10769	10853	55	11	0	1
9577	10724	10567	10649	10769	55	11	0	1	9578	10567	10401	10495	10649	55	11	0	1
9579	10401	10243	10306	10495	55	11	0	1	9580	9960	9961	10306	10243	55	11	0	1
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9585	10568	10725	10787	10645	55	11	0	1	9586	10725	10944	10883	10787	55	11	0	1
9587	10944	11123	11013	10883	55	11	0	1	9588	11123	11390	11217	11013	55	11	0	1
9589	11390	11504	11461	11217	55	11	0	1	9590	11390	11391	11528	11504	55	11	0	1
9591	11391	11392	11542	11528	55	11	0	1	9592	11392	11393	11535	11542	55	11	0	1
9593	11393	11226	11488	11535	55	11	0	1	9594	11393	11124	11043	11226	55	11	0	1
9595	11124	10945	10972	11043	55	11	0	1	9596	10945	10726	10796	10972	55	11	0	1
9597	10726	10569	10577	10796	55	11	0	1	9598	10569	10403	10424	10577	55	11	0	1
9599	10403	10248	10261	10424	55	11	0	1	9600	9967	9968	10261	10248	55	11	0	1
9601	9968	9969	10279	10261	55	11	0	1	9602	9969	9970	10269	10279	55	11	0	1
9603	9971	10249	10269	9970	55	11	0	1	9604	10249	10404	10414	10269	55	11	0	1
9605	10404	10570	10580	10414	55	11	0	1	9606	10570	10727	10808	10580	55	11	0	1
9607	10727	10946	10978	10808	55	11	0	1	9608	10946	11125	11150	10978	55	11	0	1
9609	11125	11394	11277	11150	55	11	0	1	9610	11394	11539	11531	11277	55	11	0	1
9611	11394	11395	11546	11539	55	11	0	1	9612	11395	11396	11540	11546	55	11	0	1
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9625	10650	10782	10791	10668	55	11	0	2	9626	10668	10791	10748	10666	55	11	0	2
9627	10666	10748	10759	10646	55	11	0	2	9628	10494	10305	10300	10491	55	11	0	2
9629	10668	10666	10512	10508	55	11	0	2	9630	10494	10491	10508	10512	55	11	0	2
9631	10666	10646	10494	10512	55	11	0	2	9632	10491	10650	10668	10508	55	11	0	2
9633	10645	10787	10802	10670	55	11	0	1	9634	10670	10802	10771	10667	55	11	0	1
9635	10667	10771	10769	10649	55	11	0	1	9636	10495	10306	10301	10488	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
								Ind.									Ind.
9637	10670	10667	10514	10509	55	11	0	1	9638	10495	10488	10509	10514	55	11	0	1
9639	10667	10649	10495	10514	55	11	0	1	9640	10488	10645	10670	10509	55	11	0	1
9641	10605	10792	10814	10635	55	11	0	1	9642	10635	10814	10784	10618	55	11	0	1
9643	10618	10784	10740	10595	55	11	0	1	9644	10490	10484	10353	10354	55	11	0	1
9645	10347	10352	10354	10353	55	11	0	1	9646	10484	10450	10347	10353	55	11	0	1
9647	10352	10464	10490	10354	55	11	0	1	9648	10464	10605	10635	10490	55	11	0	1
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9651	10796	10577	10596	10826	55	11	0	1	9652	10577	10424	10427	10596	55	11	0	1
9653	10424	10261	10279	10427	55	11	0	1	9654	10826	10596	10580	10808	55	11	0	1
9655	10596	10427	10414	10580	55	11	0	1	9656	10427	10279	10269	10414	55	11	0	1
9657	10619	10736	10761	10654	55	11	0	1	9658	10654	10761	10781	10660	55	11	0	1
9659	10660	10781	10763	10637	55	11	0	1	9660	10637	10763	10729	10599	55	11	0	1
9661	10355	10504	10500	10357	55	11	0	1	9662	10500	10480	10348	10357	55	11	0	1
9663	10348	10276	10355	10357	55	11	0	1	9664	10500	10504	10660	10637	55	11	0	1
9665	10637	10599	10480	10500	55	11	0	1	9666	10654	10660	10504	10502	55	11	0	1
9667	10502	10485	10619	10654	55	11	0	1	9668	10502	10504	10355	10359	55	11	0	1
9669	10355	10276	10350	10359	55	11	0	1	9670	10350	10485	10502	10359	55	11	0	1
9671	10680	10522	10519	10676	55	11	0	1	9672	10522	10362	10407	10519	55	11	0	1
9673	10362	10259	10266	10407	55	11	0	1	9674	10676	10519	10520	10677	55	11	0	1
9675	10519	10407	10417	10520	55	11	0	1	9676	10407	10266	10277	10417	55	11	0	1
9677	10677	10520	10527	10684	55	11	0	1	9678	10520	10417	10410	10527	55	11	0	1
9679	10417	10277	10268	10410	55	11	0	1	9680	10573	10779	10818	10653	55	11	0	1
9681	10653	10818	10785	10665	55	11	0	1	9682	10665	10785	10757	10664	55	11	0	1
9683	10664	10757	10760	10641	55	11	0	1	9684	10496	10330	10288	10438	55	11	0	1
9685	10438	10573	10653	10496	55	11	0	1	9686	10497	10309	10330	10496	55	11	0	1
9687	10665	10664	10515	10511	55	11	0	1	9688	10497	10496	10511	10515	55	11	0	1
9689	10664	10641	10497	10515	55	11	0	1	9690	10496	10653	10665	10511	55	11	0	1
9691	10853	10769	10771	10846	55	11	0	1	9692	10846	10771	10802	10871	55	11	0	1
9693	10871	10802	10787	10883	55	11	0	1	9694	10883	11013	11004	10871	55	11	0	1
9695	11013	11217	11201	11004	55	11	0	1	9696	11217	11461	11441	11201	55	11	0	1
9697	11461	11734	11729	11441	55	11	0	1	9698	11734	11907	11908	11729	55	11	0	1
9699	11907	12124	12132	11908	55	11	0	1	9700	12124	12324	12323	12132	55	11	0	1
9701	10871	11004	11005	10846	55	11	0	1	9702	11004	11201	11199	11005	55	11	0	1
9703	11201	11441	11442	11199	55	11	0	1	9704	11441	11729	11730	11442	55	11	0	1
9705	11729	11908	11909	11730	55	11	0	1	9706	11908	12132	12127	11909	55	11	0	1
9707	12132	12323	12337	12127	55	11	0	1	9708	10846	11005	11010	10853	55	11	0	1
9709	11005	11199	11218	11010	55	11	0	1	9710	11199	11442	11467	11218	55	11	0	1
9711	11442	11730	11733	11467	55	11	0	1	9712	11730	11909	11919	11733	55	11	0	1
9713	11909	12127	12138	11919	55	11	0	1	9714	12127	12337	12341	12138	55	11	0	1
9715	10683	10524	10525	10678	55	11	0	1	9716	10524	10363	10418	10525	55	11	0	1
9717	10363	10264	10284	10418	55	11	0	1	9718	10678	10525	10521	10679	55	11	0	1
9719	10525	10418	10420	10521	55	11	0	1	9720	10418	10284	10282	10420	55	11	0	1
9721	10679	10521	10528	10685	55	11	0	1	9722	10521	10420	10413	10528	55	11	0	1
9723	10420	10282	10271	10413	55	11	0	1	9724	10952	10683	10678	10843	55	11	0	1
9725	10843	10678	10679	10842	55	11	0	1	9726	10842	10679	10685	10950	55	11	0	1
9727	11495	11485	11262	11318	55	11	0	1	9728	11318	11406	11554	11495	55	11	0	1
9729	11143	10952	10843	11036	55	11	0	1	9730	11185	11406	11318	11186	55	11	0	1
9731	11318	11262	11143	11186	55	11	0	1	9732	11143	11036	11185	11186	55	11	0	1
9733	11459	11470	11315	11301	55	11	0	1	9734	11301	11247	11451	11459	55	11	0	1
9735	11027	10842	10950	11139	55	11	0	1	9736	11301	11315	11182	11179	55	11	0	1
9737	11182	11027	11139	11179	55	11	0	1	9738	11139	11247	11301	11179	55	11	0	1
9739	11036	10843	10842	11027	55	11	0	1	9740	11190	11192	11159	11156	55	11	0	1
9741	11036	11027	11156	11159	55	11	0	1	9742	11192	11185	11036	11159	55	11	0	1
9743	11027	11182	11190	11156	55	11	0	1	9744	11182	11315	11402	11190	55	11	0	1
9745	11315	11470	11490	11402	55	11	0	1	9746	11190	11402	11407	11192	55	11	0	1
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9751	12083	12297	12279	12072	55	11	0	1	9752	11809	12072	12087	11873	55	11	0	1
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9763	11470	11459	11641	11649	55	11	0	1	9764	11805	11897	11861	11791	55	11	0	1
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9767	12103	12304	12300	12102	55	11	0	1	9768	12102	11897	11878	12103	55	11	0	1
9769	11659	11641	11459	11451	55	11	0	1	9770	11451	11486	11711	11659	55	11	0	1
9771	11805	11641	11659	11798	55	11	0	1	9772	11659	11711	11878	11798	55	11	0	1
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9777	11503	11467	11733	11749	55	11	0	1	9778	11711	11736	11899	11878	55	11	0	1
9779	11736	11747	11922	11899	55	11	0	1	9780	11747	11749	11929	11922	55	11	0	1
9781	11749	11733	11919	11929	55	11	0	1	9782	11878	11899	12113	12103	55	11	0	1
9783	11899	11922	12131	12113	55	11	0	1	9784	11922	11929	12133	12131	55	11	0	1
9785	11929	11919	12138	12133	55	11	0	1	9786	12103	12113	12312	12304	55	11	0	1
9787	12113	12131	12343	12312	55	11	0	1	9788	12131	12133	12340	12343	55	11	0	1
9789	12133	12138	12341	12340	55	11	0	1	9790	10826	10808	10978	10990	55	11	0	1
9791	10990	10972	10796	10826	55	11	0	1	9792	11202	11226	11043	11083	55	11	0	1
9793	11043	10972	10990	11083	55	11	0	1	9794	10990	11188	11202	11083	55	11	0	1
9795	11478	11488	11226	11202	55	11	0	1	9796	11202	11188	11475	11478	55	11	0	1
9797	11277	11531	11548	11399	55	11	0	1	9798	11548	11475	11188	11399	55	11	0	1
9799	11188	11150	11277	11399	55	11	0	1	9800	11188	10990	10978	11150	55	11	0	1
9801	11478	11475	11797	11787	55	11	0	1	9802	11787	11797	12038	12035	55	11	0	1
9803	12035	12038	12237	12242	55	11	0	1	9804	11766	11764	11535	11488	55	11	0	1
9805	11488	11478	11787	11766	55	11	0	1	9806	12035	12242	12274	12085	55	11	0	1
9807	11903	11764	11766	11879	55	11	0	1	9808	11766	11787	12035	11879	55	11	0	1
9809	12035	12085	11903	11879	55	11	0	1	9810	12274	12307	12109	12085	55	11	0	1
9811	12307	12316	12121	12109	55	11	0	1	9812	12316	12321	12130	12121	55	11	0	1
9813	12321	12324	12124	12130	55	11	0	1	9814	12085	12109	11912	11903	55	11	0	1
9815	12109	12121	11924	11912	55	11	0	1	9816	12121	12130	11920	11924	55	11	0	1
9817	12130	12124	11907	11920	55	11	0	1	9818	11903	11912	11768	11764	55	11	0	1
9819	11912	11924	11760	11768	55	11	0	1	9820	11924	11920	11752	11760	55	11	0	1
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9823	11768	11760	11528	11542	55	11	0	1	9824	11760	11752	11504	11528	55	11	0	1
9825	11752	11734	11461	11504	55	11	0	1	9826	11797	11475	11548	11792	55	11	0	1
9827	11792	11548	11531	11780	55	11	0	1	9828	11780	11531	11539	11775	55	11	0	1
9829	12244	12237	12038	12036	55	11	0	1	9830	12036	12090	12311	12244	55	11	0	1
9831	11780	11775	11914	11882	55	11	0	1	9832	11914	12090	12036	11882	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
9833	12036	11792	11780	11882	55	11	0	1	9834	12036	12038	11797	11792	55	11	0	1
9835	12328	12315	12117	12139	55	11	0	1	9836	12315	12311	12090	12117	55	11	0	1
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9843	12302	12328	12139	12140	55	11	0	1	9844	12140	12139	11962	11938	55	11	0	1
9845	11938	11962	11772	11756	55	11	0	1	9846	11756	11772	11540	11511	55	11	0	1
9847	12140	11938	11893	12097	55	11	0	2	9848	12097	12253	12302	12140	55	11	0	2
9849	11888	11905	12172	12073	55	11	0	2	9850	12172	12253	12097	12073	55	11	0	2
9851	12097	11893	11888	12073	55	11	0	2	9852	11722	11893	11938	11756	55	11	0	2
9853	11756	11511	11425	11722	55	11	0	2	9854	11888	11893	11722	11669	55	11	0	2
9855	11669	11616	11905	11888	55	11	0	2	9856	11133	11316	11410	11135	55	11	0	2
9857	11316	11616	11669	11410	55	11	0	2	9858	11135	11410	11425	11193	55	11	0	2
9859	11410	11669	11722	11425	55	11	0	2	9860	11135	11193	11021	10980	55	11	0	2
9861	10977	11133	11135	10988	55	11	0	2	9862	11135	10980	10833	10988	55	11	0	2
9863	10833	10832	10977	10988	55	11	0	2	9864	10483	10298	10315	10461	55	11	0	2
9865	10833	10980	10830	10675	55	11	0	2	9866	10661	10832	10833	10675	55	11	0	2
9867	10675	10483	10461	10661	55	11	0	2	9868	10869	10760	10757	10880	55	11	0	1
9869	10880	10757	10785	10875	55	11	0	1	9870	10875	10785	10818	10981	55	11	0	1
9871	10981	10818	10779	10962	55	11	0	1	9872	11244	11432	11429	11242	55	11	0	1
9873	11242	11429	11423	11205	55	11	0	1	9874	11205	11423	11444	11224	55	11	0	1
9875	11049	11205	11224	11024	55	11	0	1	9876	11024	10869	10880	11049	55	11	0	1
9877	11160	11244	11242	11163	55	11	0	1	9878	11242	11205	11049	11163	55	11	0	1
9879	11049	10995	11160	11163	55	11	0	1	9880	11049	10880	10875	10995	55	11	0	1
9881	11221	11433	11421	11204	55	11	0	1	9882	11204	11421	11426	11230	55	11	0	1
9883	11230	11426	11432	11244	55	11	0	1	9884	11131	10981	10962	11056	55	11	0	1
9885	11056	11221	11204	11131	55	11	0	1	9886	10995	10875	10981	10992	55	11	0	1
9887	10981	11131	11151	10992	55	11	0	1	9888	11151	11160	10995	10992	55	11	0	1
9889	11230	11244	11160	11151	55	11	0	1	9890	11151	11131	11204	11230	55	11	0	1
9891	12159	12014	11885	12126	55	11	0	1	9892	12126	12319	12291	12159	55	11	0	1
9893	11652	11629	11421	11433	55	11	0	1	9894	11433	11481	11713	11652	55	11	0	1
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9903	11738	11744	11910	11904	55	11	0	1	9904	11744	11739	11894	11910	55	11	0	1
9905	11739	11710	11873	11894	55	11	0	1	9906	11885	11904	12128	12126	55	11	0	1
9907	11904	11910	12125	12128	55	11	0	1	9908	11910	11894	12112	12125	55	11	0	1
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9911	12128	12125	12336	12346	55	11	0	1	9912	12125	12112	12326	12336	55	11	0	1
9913	12112	12087	12296	12326	55	11	0	1	9914	11707	11525	11444	11672	55	11	0	1
9915	11672	11832	11856	11707	55	11	0	1	9916	11853	11830	11570	11579	55	11	0	1
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9919	11579	11525	11707	11748	55	11	0	1	9920	12062	11830	11853	12068	55	11	0	1
9921	12068	12251	12257	12062	55	11	0	1	9922	12068	11853	11866	12053	55	11	0	1
9923	12053	12235	12251	12068	55	11	0	1	9924	12160	12286	12235	12157	55	11	0	1
9925	12235	12053	12030	12157	55	11	0	1	9926	12030	12022	12160	12157	55	11	0	1
9927	11856	11832	12022	12030	55	11	0	1	9928	12030	12053	11866	11856	55	11	0	1
9929	11832	11672	11636	11823	55	11	0	1	9930	11672	11444	11423	11636	55	11	0	1
9931	11823	11636	11631	11819	55	11	0	1	9932	11636	11423	11429	11631	55	11	0	1
9933	11819	11631	11651	11840	55	11	0	1	9934	11631	11429	11432	11651	55	11	0	1
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9937	11831	11639	11629	11820	55	11	0	1	9938	11639	11426	11421	11629	55	11	0	1
9939	12159	12291	12232	12149	55	11	0	1	9940	12232	12039	12023	12149	55	11	0	1
9941	12023	12014	12159	12149	55	11	0	1	9942	12023	12039	11840	11831	55	11	0	1
9943	11831	11820	12014	12023	55	11	0	1	9944	12275	12286	12160	12104	55	11	0	1
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9951	10860	10729	10763	10876	55	11	0	1	9952	10876	10763	10781	10837	55	11	0	1
9953	10837	10781	10761	10873	55	11	0	1	9954	10873	10761	10736	10874	55	11	0	1
9955	11220	11447	11436	11212	55	11	0	1	9956	11212	11436	11457	11261	55	11	0	1
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9959	11073	11000	10837	10873	55	11	0	1	9960	11261	11296	11167	11173	55	11	0	1
9961	11167	11000	11073	11173	55	11	0	1	9962	11073	11212	11261	11173	55	11	0	1
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9965	11273	11462	11456	11225	55	11	0	1	9966	11225	11456	11484	11238	55	11	0	1
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9969	11225	11238	11038	11077	55	11	0	1	9970	11167	11296	11273	11175	55	11	0	1
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9973	12266	12269	12059	12060	55	11	0	1	9974	12060	12062	12257	12266	55	11	0	1
9975	11802	11555	11570	11830	55	11	0	1	9976	11830	12062	12060	11802	55	11	0	1
9977	11642	11436	11447	11619	55	11	0	1	9978	11447	11555	11802	11619	55	11	0	1
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9981	12047	12245	12240	12032	55	11	0	1	9982	11735	11795	11559	11484	55	11	0	1
9983	11484	11456	11702	11735	55	11	0	1	9984	11858	12047	12032	11860	55	11	0	1
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9991	11642	11827	11790	11612	55	11	0	1	9992	11790	11499	11457	11612	55	11	0	1
9993	11457	11436	11642	11612	55	11	0	1	9994	11702	11456	11462	11643	55	11	0	1
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9997	11553	11564	11816	11806	55	11	0	1	9998	11564	11565	11815	11816	55	11	0	1
9999	11565	11559	11795	11815	55	11	0	1	10000	11806	11816	12046	12057	55	11	0	1
10001	11816	11815	12041	12046	55	11	0	1	10002	11815	11795	12032	12041	55	11	0	1
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10007	12034	12048	11828	11804	55	11	0	1	10008	11804	11828	11571	11562	55	11	0	1
10009	10948	10680	10676	10839	55	11	0	1	10010	10839	10676	10677	10840	55	11	0	1
10011	10840	10677	10684	10905	55	11	0	1	10012	11476	11487	11319	11308	55	11	0	1
10013	11308	11248	11469	11476	55	11	0	1	10014	11014	10840	10905	11137	55	11	0	1
10015	11308	11319	11180	11181	55	11	0	1	10016	11180	11014	11137	11181	55	11	0	1
10017	11137	11248	11308	11181	55	11	0	1	10018	11514	11523	11275	11317	55	11	0	1
10019	11317	11401	11517	11514	55	11	0	1	10020	11142	10948	10839	11023	55	11	0	1
10021	11183	11401	11317	11184	55	11	0	1	10022	11317	11275	11142	11184	55	11	0	1
10023	11142	11023	11183	11184	55	11	0	1	10024	11023	10839	10840	11014	55	11	0	1
10025	11189	11191	11157	11155	55	11	0	1	10026	11023	11014	11155	11157	55	11	0	1
10027	11191	11183	11023	11157	55	11	0	1	10028	11014	11180	11189	11155	55	11	0	1

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
								Ind.									Ind.
10029	11180	11319	11404	11189	55	11	0	1	10030	11319	11487	11502	11404	55	11	0	1
10031	11189	11404	11408	11191	55	11	0	1	10032	11404	11502	11558	11408	55	11	0	1
10033	11191	11408	11401	11183	55	11	0	1	10034	11408	11558	11517	11401	55	11	0	1
10035	12056	12259	12254	12034	55	11	0	1	10036	11755	11804	11562	11523	55	11	0	1
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In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
								Ind.									Ind.
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10385	5536	5000	5016	5538	60	12	0	1	10386	5538	6124	6110	5536	60	12	0	1
10387	5671	6246	6124	5538	60	12	0	1	10388	5408	5671	5538	5316	60	12	0	1
10389	5538	5016	4969	5316	60	12	0	1	10390	4969	4954	5408	5316	60	12	0	1
10391	4511	4556	4957	4954	60	12	0	1	10392	4734	4371	4406	4730	60	12	0	1
10393	4406	4511	4954	4730	60	12	0	1	10394	4954	4969	4734	4730	60	12	0	1
10395	4953	4952	4358	4357	60	12	0	1	10396	4348	4353	4722	4565	60	12	0	1
10397	4722	5000	4953	4565	60	12	0	1	10398	4953	4357	4348	4565	60	12	0	1
10399	4353	4364	4735	4722	60	12	0	1	10400	4364	4371	4734	4735	60	12	0	1
10401	4722	4735	5016	5000	60	12	0	1	10402	4735	4734	4969	5016	60	12	0	1
10403	4348	4357	3956	3958	60	12	0	1	10404	4357	4358	3953	3956	60	12	0	1
10405	3958	3956	3575	3605	60	12	0	1	10406	3956	3953	3570	3575	60	12	0	1
10407	3605	3575	3202	3213	60	12	0	1	10408	3575	3570	3197	3202	60	12	0	1
10409	3213	3202	2832	2839	60	12	0	1	10410	3202	3197	2829	2832	60	12	0	1
10411	2839	2832	2461	2463	60	12	0	1	10412	2832	2829	2457	2461	60	12	0	1
10413	3605	3213	3224	3705	60	12	0	1	10414	3213	2839	2843	3224	60	12	0	1
10415	2839	2463	2466	2843	60	12	0	1	10416	3705	3224	3222	3620	60	12	0	1
10417	3224	2843	2845	3222	60	12	0	1	10418	2843	2466	2469	2845	60	12	0	1
10419	3620	3222	3225	3626	60	12	0	1	10420	3222	2845	2846	3225	60	12	0	1

Sismicad 12.13 - Licenza assegnata a SPI S.R.L. - VIA G. JANNELLI, 23/H - NAPOLI

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
10421	2845	2469	2470	2846	60	12	0	1	10422	3961	3620	3626	4018	60	12	0	1
10423	4351	4347	4188	4224	60	12	0	1	10424	3961	4018	4224	4188	60	12	0	1
10425	4347	4327	3961	4188	60	12	0	1	10426	4018	4350	4351	4224	60	12	0	1
10427	4350	4556	4511	4351	60	12	0	1	10428	4351	4511	4406	4347	60	12	0	1
10429	4347	4406	4371	4327	60	12	0	1	10430	3958	3605	3705	4001	60	12	0	1
10431	4001	4353	4348	3958	60	12	0	1	10432	4364	4353	4001	4176	60	12	0	1
10433	4176	4327	4371	4364	60	12	0	1	10434	3961	4327	4176	3955	60	12	0	1
10435	4176	4001	3705	3955	60	12	0	1	10436	3705	3620	3961	3955	60	12	0	1
10437	297	303	1061	1060	60	12	0	1	10438	303	307	1062	1061	60	12	0	1
10439	307	313	1063	1062	60	12	0	1	10440	313	316	1064	1063	60	12	0	2
10441	316	318	1065	1064	60	12	0	2	10442	1065	1471	1470	1064	60	12	0	2
10443	1064	1470	1469	1063	60	12	0	2	10444	1471	1860	1859	1470	60	12	0	2
10445	1470	1859	1858	1469	60	12	0	2	10446	1860	2238	2237	1859	60	12	0	2
10447	1859	2237	2236	1858	60	12	0	2	10448	2238	2615	2614	2237	60	12	0	2
10449	2237	2614	2613	2236	60	12	0	2	10450	2615	2988	2987	2614	60	12	0	2
10451	2614	2987	2986	2613	60	12	0	2	10452	2988	3364	3363	2987	60	12	0	2
10453	2987	3363	3362	2986	60	12	0	2	10454	3364	3749	3748	3363	60	12	0	2
10455	3363	3748	3747	3362	60	12	0	2	10456	3749	4157	4139	3748	60	12	0	2
10457	3748	4139	4156	3747	60	12	0	2	10458	6650	6552		6511	5	5	0	3
10459	6662	6652		6621	5	5	0	3	10460	6554	6544		6548	5	5	0	3
10461	6661	6660		6590	5	5	0	3	10462	6511	6552		6510	5	5	0	3
10463	6552	6650		6590	5	5	0	3	10464	6511	6651		6650	5	5	0	3
10465	6502	6513		6498	5	5	0	3	10466	6461	6446		6457	5	5	0	3
10467	6355	6371		6393	5	5	0	3	10468	6365	6355		6332	5	5	0	3
10469	6371	6355		6365	5	5	0	3	10470	6377	6393		6371	5	5	0	3
10471	6386	6393		6377	5	5	0	3	10472	6392	6393		6386	5	5	0	3
10473	6412	6393		6392	5	5	0	3	10474	6421	6393		6412	5	5	0	3
10475	6425	6393		6421	5	5	0	3	10476	6429	6393		6425	5	5	0	3
10477	6393	6429		6446	5	5	0	3	10478	6433	6446		6429	5	5	0	3
10479	6437	6446		6433	5	5	0	3	10480	6439	6446		6437	5	5	0	3
10481	6443	6446		6439	5	5	0	3	10482	6448	6446		6443	5	5	0	3
10483	6453	6446		6448	5	5	0	3	10484	6457	6446		6453	5	5	0	3
10485	6446	6461		6477	5	5	0	3	10486	6465	6477		6461	5	5	0	3
10487	6469	6477		6465	5	5	0	3	10488	6473	6477		6469	5	5	0	3
10489	6479	6477		6473	5	5	0	3	10490	6484	6477		6479	5	5	0	3
10491	6488	6477		6484	5	5	0	3	10492	6494	6477		6488	5	5	0	3
10493	6477	6494		6513	5	5	0	3	10494	6498	6513		6494	5	5	0	3
10495	6506	6513		6502	5	5	0	3	10496	6524	6513		6506	5	5	0	3
10497	6526	6513		6524	5	5	0	3	10498	6530	6513		6526	5	5	0	3
10499	6534	6513		6530	5	5	0	3	10500	6554	6534		6540	5	5	0	3
10501	6554	6540		6544	5	5	0	3	10502	6554	6548		6555	5	5	0	3
10503	6564	6554		6560	5	5	0	3	10504	6568	6554		6564	5	5	0	3
10505	6554	6568		6586	5	5	0	3	10506	6578	6586		6574	5	5	0	3
10507	6534	6554		6513	5	5	0	3	10508	6582	6586		6578	5	5	0	3
10509	6592	6586		6582	5	5	0	3	10510	6590	6650		6661	5	5	0	3
10511	6596	6586		6592	5	5	0	3	10512	6600	6586		6596	5	5	0	3
10513	6604	6586		6600	5	5	0	3	10514	6608	6586		6604	5	5	0	3
10515	6586	6608		6652	5	5	0	3	10516	6621	6652		6616	5	5	0	3
10517	6667	6652		6662	5	5	0	3	10518	6677	6652		6672	5	5	0	3
10519	6677	6769		6652	5	5	0	3	10520	6769	6677		6683	5	5	0	3
10521	6769	6683		6688	5	5	0	3	10522	6848	6876		6875	5	5	0	3
10523	6696	6769		6692	5	5	0	3	10524	6851	6769		6844	5	5	0	3
10525	6856	6769		6851	5	5	0	3	10526	6769	6856		6876	5	5	0	3
10527	6860	6876		6856	5	5	0	3	10528	6877	6876		6860	5	5	0	3
10529	6876	6877		6886	5	5	0	3	10530	6892	6886		6877	5	5	0	3
10531	6897	6886		6892	5	5	0	3	10532	6886	6897		6947	5	5	0	3
10533	6947	6897		6935	5	5	0	3	10534	6947	6935		6948	5	5	0	3
10535	6844	6769		6696	5	5	0	3	10536	6651	6769		6848	5	5	0	3
10537	6848	6847		6661	5	5	0	3	10538	6554	6651		6512	5	5	0	3
10539	6672	6652		6667	5	5	0	3	10540	6651	6511		6512	5	5	0	3
10541	6650	6848		6661	5	5	0	3	10542	6652	6608		6612	5	5	0	3
10543	6616	6652		6612	5	5	0	3	10544	6651	6586		6652	5	5	0	3
10545	6769	6651		6652	5	5	0	3	10546	6848	6650		6651	5	5	0	3
10547	6574	6586		6568	5	5	0	3	10548	6651	6554		6586	5	5	0	3
10549	6560	6554		6555	5	5	0	3	10550	6554	6512		6513	5	5	0	3
10551	6692	6769		6688	5	5	0	3	10552	6848	6769		6876	5	5	0	3
10553	6698	6862		6694	5	5	0	3	10554	6914	6862		6916	5	5	0	3
10555	6910	6862		6912	5	5	0	3	10556	6862	6884		6873	5	5	0	3
10557	6638	6682		6637	5	5	0	3	10558	6873	6861		6862	5	5	0	3
10559	6628	6679		6627	5	5	0	3	10560	6627	6679		6626	5	5	0	3
10561	6629	6679		6628	5	5	0	3	10562	6630	6679		6629	5	5	0	3
10563	6631	6679		6630	5	5	0	3	10564	6632	6679		6631	5	5	0	3
10565	6633	6679		6632	5	5	0	3	10566	6634	6679		6633	5	5	0	3
10567	6679	6634		6862	5	5	0	3	10568	6694	6634		6635	5	5	0	3
10569	6690	6637		6687	5	5	0	3	10570	6682	6638		6676	5	5	0	3
10571	6639	6676		6638	5	5	0	3	10572	6640	6671		6639	5	5	0	3
10573	6671	6640		6666	5	5	0	3	10574	6666	6640		6642	5	5	0	3
10575	6666	6642		6644	5	5	0	3	10576	6676	6639		6671	5	5	0	3
10577	6687	6637		6682	5	5	0	3	10578	6637	6690		6636	5	5	0	3
10579	6694	6636		6690	5	5	0	3	10580	6636	6694		6635	5	5	0	3
10581	6634	6694		6862	5	5	0	3	10582	6855	6928		6850	5	5	0	3
10583	6929	6863		6930	5	5	0	3	10584	6930	6874		6931	5	5	0	3
10585	6891	6931		6874	5	5	0	3	10586	6896	6932		6891	5	5	0	3
10587	6932	6896		6933	5	5	0	3	10588	6933	6896		6934	5	5	0	3
10589	6931	6891		6932	5	5	0	3	10590	6874	6930		6863	5	5	0	3
10591	6863	6929		6855	5	5	0	3	10592	6928	6855		6929	5	5	0	3
10593	6927	6850		6928	5	5	0	3	10594	6850	6927		6698	5	5	0	3
10595	6926	6698		6927	5	5	0	3	10596	6698	6926		6862	5	5	0	3
10597	6924	6862		6926	5	5	0	3	10598	6922	6862		6924	5	5	0	3
10599	6920	6862		6922	5	5	0	3	10600	6918	6862		6920	5	5	0	3
10601	6916	6862		6918	5	5	0	3	10602	6912	6862		6914	5	5	0	3
10603	6862	6910		6884	5	5	0	3	10604	6884	6910		6893	5	5	0	3
10605	6908	6893		6910	5	5	0	3	10606	6893	6908		6898	5	5	0	3
10607	6898	6908		6906	5	5	0	3	10608	6697	6862		6846	5	5	0	3
10609	6693	6679		6697	5	5	0	3	10610	6689	6679		6693	5	5	0	3
10611	6684	6679		6689	5	5	0	3	10612	6678	6679		6684	5	5	0	3
10613	6673	6679		6678	5	5	0	3	10614	6647	6679		6673	5	5	0	3
10615	6679	6647		6626	5	5	0	3	10616	6668	6647		6673	5	5	0	3

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
								Ind.									Ind.
10617	6647	6668		6648	5	5	0	3	10618	6648	6668		6663	5	5	0	3
10619	6648	6663		6622	5	5	0	3	10620	6862	6697		6679	5	5	0	3
10621	6846	6862		6852	5	5	0	3	10622	6852	6862		6857	5	5	0	3
10623	6857	6862		6861	5	5	0	3	10624	7014	6941		7015	5	5	0	3
10625	7014	6880		6941	5	5	0	3	10626	6941	6880		6881	5	5	0	3
10627	6386	6413		6392	5	5	0	3	10628	6352	6375		6336	5	5	0	3
10629	6375	6352		6369	5	5	0	3	10630	6351	6369		6352	5	5	0	3
10631	6369	6351		6363	5	5	0	3	10632	6363	6351		6338	5	5	0	3
10633	6381	6336		6375	5	5	0	3	10634	6387	6415		6381	5	5	0	3
10635	6415	6387		6416	5	5	0	3	10636	6416	6387		6394	5	5	0	3
10637	6381	6415		6336	5	5	0	3	10638	6416	6394		6417	5	5	0	3
10639	6414	6336		6415	5	5	0	3	10640	6377	6414		6386	5	5	0	3
10641	6413	6386		6414	5	5	0	3	10642	6392	6413		6412	5	5	0	3
10643	6414	6377		6336	5	5	0	3	10644	6336	6377		6353	5	5	0	3
10645	6371	6353		6377	5	5	0	3	10646	6353	6371		6354	5	5	0	3
10647	6354	6371		6365	5	5	0	3	10648	6354	6365		6332	5	5	0	3
10649	6270	6282		6269	5	5	0	3	10650	6262	6288		6261	5	5	0	3
10651	6259	6278		6258	5	5	0	3	10652	6260	6281		6259	5	5	0	3
10653	6261	6284		6260	5	5	0	3	10654	6281	6260		6284	5	5	0	3
10655	6284	6261		6288	5	5	0	3	10656	6288	6321		6292	5	5	0	3
10657	6322	6292		6321	5	5	0	3	10658	6292	6322		6296	5	5	0	3
10659	6323	6296		6322	5	5	0	3	10660	6296	6323		6301	5	5	0	3
10661	6324	6301		6323	5	5	0	3	10662	6301	6324		6305	5	5	0	3
10663	6305	6324		6308	5	5	0	3	10664	6278	6259		6281	5	5	0	3
10665	6258	6278		6257	5	5	0	3	10666	6288	6262		6321	5	5	0	3
10667	6321	6262		6320	5	5	0	3	10668	6263	6320		6262	5	5	0	3
10669	6320	6263		6309	5	5	0	3	10670	6264	6309		6263	5	5	0	3
10671	6309	6264		6319	5	5	0	3	10672	6265	6319		6264	5	5	0	3
10673	6319	6265		6318	5	5	0	3	10674	6266	6318		6265	5	5	0	3
10675	6318	6266		6317	5	5	0	3	10676	6267	6317		6266	5	5	0	3
10677	6317	6267		6316	5	5	0	3	10678	6289	6267		6268	5	5	0	3
10679	6289	6268		6286	5	5	0	3	10680	6286	6269		6282	5	5	0	3
10681	6269	6286		6268	5	5	0	3	10682	6282	6270		6279	5	5	0	3
10683	6267	6289		6316	5	5	0	3	10684	6279	6270		6271	5	5	0	3
10685	6279	6271		6272	5	5	0	3	10686	6293	6316		6289	5	5	0	3
10687	6316	6293		6315	5	5	0	3	10688	6297	6315		6293	5	5	0	3
10689	6315	6297		6310	5	5	0	3	10690	6300	6310		6297	5	5	0	3
10691	6310	6300		6314	5	5	0	3	10692	6304	6314		6300	5	5	0	3
10693	6314	6304		6313	5	5	0	3	10694	6313	6304		6311	5	5	0	3
10695	7092	7122		7082	5	5	0	3	10696	6979	6917		6976	5	5	0	3
10697	6919	6976		6917	5	5	0	3	10698	6976	6919		6965	5	5	0	3
10699	6921	6965		6919	5	5	0	3	10700	6965	6921		6953	5	5	0	3
10701	6923	6953		6921	5	5	0	3	10702	6953	6923		6946	5	5	0	3
10703	6946	6923		6925	5	5	0	3	10704	6946	6925		6926	5	5	0	3
10705	6991	6984		6985	5	5	0	3	10706	6984	6991		6990	5	5	0	3
10707	7005	6998		6999	5	5	0	3	10708	7017	7004		7005	5	5	0	3
10709	7056	7016		7017	5	5	0	3	10710	7016	7056		7055	5	5	0	3
10711	7055	7064		7063	5	5	0	3	10712	7063	7074		7073	5	5	0	3
10713	7091	7117		7099	5	5	0	3	10714	7073	7119		7081	5	5	0	3
10715	7082	7121		7074	5	5	0	3	10716	7121	7082		7122	5	5	0	3
10717	7122	7092		7123	5	5	0	3	10718	7100	7123		7092	5	5	0	3
10719	7123	7100		7124	5	5	0	3	10720	7124	7100		7107	5	5	0	3
10721	7124	7107		7125	5	5	0	3	10722	7120	7074		7121	5	5	0	3
10723	7118	7081		7119	5	5	0	3	10724	7081	7118		7091	5	5	0	3
10725	7117	7091		7118	5	5	0	3	10726	7116	7099		7117	5	5	0	3
10727	7119	7073		7120	5	5	0	3	10728	7099	7116		7106	5	5	0	3
10729	7120	7073		7074	5	5	0	3	10730	7106	7116		7115	5	5	0	3
10731	7074	7063		7064	5	5	0	3	10732	7064	7055		7056	5	5	0	3
10733	7004	7017		7016	5	5	0	3	10734	6998	7005		7004	5	5	0	3
10735	6990	6999		6998	5	5	0	3	10736	6999	6990		6991	5	5	0	3
10737	6978	6985		6984	5	5	0	3	10738	6985	6978		6979	5	5	0	3
10739	6979	6978		6917	5	5	0	3	10740	6975	6917		6978	5	5	0	3
10741	6917	6975		6915	5	5	0	3	10742	6964	6915		6975	5	5	0	3
10743	6915	6964		6913	5	5	0	3	10744	6952	6913		6964	5	5	0	3
10745	6913	6952		6911	5	5	0	3	10746	6945	6911		6952	5	5	0	3
10747	6911	6945		6909	5	5	0	3	10748	6909	6945		6907	5	5	0	3
10749	7101	7130		7094	5	5	0	3	10750	6976	6980		6979	5	5	0	3
10751	6969	6930		6963	5	5	0	3	10752	6931	6963		6930	5	5	0	3
10753	6963	6931		6951	5	5	0	3	10754	6932	6951		6931	5	5	0	3
10755	6951	6932		6944	5	5	0	3	10756	6944	6932		6933	5	5	0	3
10757	6944	6933		6934	5	5	0	3	10758	6986	6985		6980	5	5	0	3
10759	6992	6991		6986	5	5	0	3	10760	7000	6999		6992	5	5	0	3
10761	6999	7000		7005	5	5	0	3	10762	7020	7017		7006	5	5	0	3
10763	7005	7006		7017	5	5	0	3	10764	7068	7056		7060	5	5	0	3
10765	7064	7076		7074	5	5	0	3	10766	7128	7082		7129	5	5	0	3
10767	7127	7092		7128	5	5	0	3	10768	7092	7127		7100	5	5	0	3
10769	7082	7128		7092	5	5	0	3	10770	7129	7094		7130	5	5	0	3
10771	7130	7101		7131	5	5	0	3	10772	7131	7101		7108	5	5	0	3
10773	7131	7108		7132	5	5	0	3	10774	7094	7129		7084	5	5	0	3
10775	7126	7100		7127	5	5	0	3	10776	7100	7126		7107	5	5	0	3
10777	7107	7126		7125	5	5	0	3	10778	7129	7082		7084	5	5	0	3
10779	7074	7084		7082	5	5	0	3	10780	7084	7074		7076	5	5	0	3
10781	7076	7064		7068	5	5	0	3	10782	7056	7068		7064	5	5	0	3
10783	7017	7060		7056	5	5	0	3	10784	7060	7017		7020	5	5	0	3
10785	7006	7005		7000	5	5	0	3	10786	6991	6992		6999	5	5	0	3
10787	6985	6986		6991	5	5	0	3	10788	6979	6980		6985	5	5	0	3
10789	6980	6976		6969	5	5	0	3	10790	6969	6976		6930	5	5	0	3
10791	6965	6930		6976	5	5	0	3	10792	6930	6965		6929	5	5	0	3
10793	6953	6929		6965	5	5	0	3	10794	6929	6953		6928	5	5	0	3
10795	6926	6927		6946	5	5	0	3	10796	6946	6928		6953	5	5	0	3
10797	6928	6946		6927	5	5	0	3	10798	7134	7101		7135	5	5	0	3
10799	7143	7109		7144	5	5	0	3	10800	7141	7095		7142	5	5	0	3
10801	7142	7102		7143	5	5	0	3	10802	7102	7142		7095	5	5	0	3
10803	7095	7141		7085	5	5	0	3	10804	7085	7028		7077	5	5	0	3
10805	7029	7077		7028	5	5	0	3	10806	7077	7029		7069	5	5	0	3
10807	7030	7069		7029	5	5	0	3	10808	7069	7030		7061	5	5	0	3
10809	7061	7030		7031	5	5	0	3	10810	7061	7031		7033	5	5	0	3
10811	7109	7143		7102	5	5	0	3	10812	7085	7141		7028	5	5	0	3

Sismicad 12.13 - Licenza assegnata a SPI S.R.L. - VIA G. JANNELLI, 23/H - NAPOLI

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
10813	7144	7109		7145	5	5	0	3	10814	7140	7028		7141	5	5	0	3
10815	7028	7140		7027	5	5	0	3	10816	7139	7027		7140	5	5	0	3
10817	7027	7139		7026	5	5	0	3	10818	7138	7026		7139	5	5	0	3
10819	7026	7138		7025	5	5	0	3	10820	7137	7025		7138	5	5	0	3
10821	7025	7137		7024	5	5	0	3	10822	7136	7024		7137	5	5	0	3
10823	7084	7024		7136	5	5	0	3	10824	7094	7135		7101	5	5	0	3
10825	7135	7094		7136	5	5	0	3	10826	7101	7134		7108	5	5	0	3
10827	7108	7134		7133	5	5	0	3	10828	7084	7136		7094	5	5	0	3
10829	7133	7132		7108	5	5	0	3	10830	7024	7084		7023	5	5	0	3
10831	7076	7023		7084	5	5	0	3	10832	7023	7076		7022	5	5	0	3
10833	7068	7022		7076	5	5	0	3	10834	7020	7021		7060	5	5	0	3
10835	7022	7068		7021	5	5	0	3	10836	7021	7068		7060	5	5	0	3
10837	7246	7237		7247	5	5	0	3	10838	7169	7236		7256	5	5	0	3
10839	7256	7236		7257	5	5	0	3	10840	7238	7257		7236	5	5	0	3
10841	7257	7238		7258	5	5	0	3	10842	7240	7258		7238	5	5	0	3
10843	7258	7240		7259	5	5	0	3	10844	7259	7240		7242	5	5	0	3
10845	7259	7242		7260	5	5	0	3	10846	7169	7256		7255	5	5	0	3
10847	7167	7253		7166	5	5	0	3	10848	7252	7166		7253	5	5	0	3
10849	7165	7251		7164	5	5	0	3	10850	7250	7164		7251	5	5	0	3
10851	7163	7249		7162	5	5	0	3	10852	7248	7162		7249	5	5	0	3
10853	7231	7160		7233	5	5	0	3	10854	7229	7159		7231	5	5	0	3
10855	7247	7235		7248	5	5	0	3	10856	7235	7247		7237	5	5	0	3
10857	7237	7246		7239	5	5	0	3	10858	7245	7239		7246	5	5	0	3
10859	7239	7245		7241	5	5	0	3	10860	7241	7245		7244	5	5	0	3
10861	7241	7244		7243	5	5	0	3	10862	7161	7235		7233	5	5	0	3
10863	7160	7231		7159	5	5	0	3	10864	7159	7229		7158	5	5	0	3
10865	7225	7158		7229	5	5	0	3	10866	7158	7225		7157	5	5	0	3
10867	7161	7233		7160	5	5	0	3	10868	7235	7161		7248	5	5	0	3
10869	7157	7225		7156	5	5	0	3	10870	7162	7248		7161	5	5	0	3
10871	7249	7163		7250	5	5	0	3	10872	7164	7250		7163	5	5	0	3
10873	7251	7165		7252	5	5	0	3	10874	7166	7252		7165	5	5	0	3
10875	7253	7167		7254	5	5	0	3	10876	7168	7254		7167	5	5	0	3
10877	7254	7168		7255	5	5	0	3	10878	7169	7255		7168	5	5	0	3
10879	7236	7169		7234	5	5	0	3	10880	7170	7234		7169	5	5	0	3
10881	7234	7170		7232	5	5	0	3	10882	7171	7232		7170	5	5	0	3
10883	7232	7171		7230	5	5	0	3	10884	7172	7230		7171	5	5	0	3
10885	7230	7172		7226	5	5	0	3	10886	7226	7172		7173	5	5	0	3
10887	9708	9745		9707	5	5	0	3	10888	9700	9744		9699	5	5	0	3
10889	9699	9744		9698	5	5	0	3	10890	9701	9744		9700	5	5	0	3
10891	9702	9744		9701	5	5	0	3	10892	9744	9702		9745	5	5	0	3
10893	9703	9745		9702	5	5	0	3	10894	9704	9745		9703	5	5	0	3
10895	9705	9745		9704	5	5	0	3	10896	9706	9745		9705	5	5	0	3
10897	9707	9745		9706	5	5	0	3	10898	9745	9708		9746	5	5	0	3
10899	9728	9709		9726	5	5	0	3	10900	9726	9710		9724	5	5	0	3
10901	9724	9711		9722	5	5	0	3	10902	9722	9711		9712	5	5	0	3
10903	9722	9712		9717	5	5	0	3	10904	9711	9724		9710	5	5	0	3
10905	9710	9726		9709	5	5	0	3	10906	9709	9728		9708	5	5	0	3
10907	9730	9708		9728	5	5	0	3	10908	9708	9730		9746	5	5	0	3
10909	9746	9730		9732	5	5	0	3	10910	9746	9732		9734	5	5	0	3
10911	9746	9734		9736	5	5	0	3	10912	9746	9736		9747	5	5	0	3
10913	9783	9748		9770	5	5	0	3	10914	9884	9896		9895	5	5	0	3
10915	9760	9751		9752	5	5	0	3	10916	9880	9997		9996	5	5	0	3
10917	9999	9902		9903	5	5	0	3	10918	10014	9997		9982	5	5	0	3
10919	9997	10014		10013	5	5	0	3	10920	9881	9982		9997	5	5	0	3
10921	9830	9866		9848	5	5	0	3	10922	9830	9848		9836	5	5	0	3
10923	9866	9880		9887	5	5	0	3	10924	9866	9830		9880	5	5	0	3
10925	9881	9830		9831	5	5	0	3	10926	9749	9766		9748	5	5	0	3
10927	9882	9881		9863	5	5	0	3	10928	9864	9882		9863	5	5	0	3
10929	9781	9744		9745	5	5	0	3	10930	9781	9776		9744	5	5	0	3
10931	9783	9770		9772	5	5	0	3	10932	9750	9764		9749	5	5	0	3
10933	9764	9750		9762	5	5	0	3	10934	9766	9749		9764	5	5	0	3
10935	9751	9762		9750	5	5	0	3	10936	9768	9748		9766	5	5	0	3
10937	9762	9751		9760	5	5	0	3	10938	9770	9748		9768	5	5	0	3
10939	9783	9772		9774	5	5	0	3	10940	9748	9783		9747	5	5	0	3
10941	9747	9783		9746	5	5	0	3	10942	9790	9783		9788	5	5	0	3
10943	9792	9783		9790	5	5	0	3	10944	9793	9783		9792	5	5	0	3
10945	9783	9745		9746	5	5	0	3	10946	9795	9783		9794	5	5	0	3
10947	9796	9783		9795	5	5	0	3	10948	9802	9783		9796	5	5	0	3
10949	9804	9783		9802	5	5	0	3	10950	9776	9781		9799	5	5	0	3
10951	9800	9799		9781	5	5	0	3	10952	9800	9783		9805	5	5	0	3
10953	9805	9783		9804	5	5	0	3	10954	9800	9805		9806	5	5	0	3
10955	9800	9781		9782	5	5	0	3	10956	9806	9814		9800	5	5	0	3
10957	9814	9806		9807	5	5	0	3	10958	9834	9807		9808	5	5	0	3
10959	9834	9808		9809	5	5	0	3	10960	9834	9809		9810	5	5	0	3
10961	9834	9810		9816	5	5	0	3	10962	9834	9816		9818	5	5	0	3
10963	9834	9818		9819	5	5	0	3	10964	9834	9819		9820	5	5	0	3
10965	9814	9813		9800	5	5	0	3	10966	9807	9834		9814	5	5	0	3
10967	9834	9820		9821	5	5	0	3	10968	9834	9822		9823	5	5	0	3
10969	9834	9821		9822	5	5	0	3	10970	9841	9834		9840	5	5	0	3
10971	9842	9834		9841	5	5	0	3	10972	9843	9834		9842	5	5	0	3
10973	9845	9834		9844	5	5	0	3	10974	9852	9834		9845	5	5	0	3
10975	9813	9832		9829	5	5	0	3	10976	9855	9834		9854	5	5	0	3
10977	9834	9850		9833	5	5	0	3	10978	9850	9832		9833	5	5	0	3
10979	9849	9850		9863	5	5	0	3	10980	9829	9850		9849	5	5	0	3
10981	9850	9856		9857	5	5	0	3	10982	9864	9857		9858	5	5	0	3
10983	9859	9864		9858	5	5	0	3	10984	9860	9885		9859	5	5	0	3
10985	9867	9885		9860	5	5	0	3	10986	9869	9885		9867	5	5	0	3
10987	9870	9885		9869	5	5	0	3	10988	9871	9885		9870	5	5	0	3
10989	9872	9885		9871	5	5	0	3	10990	9873	9885		9872	5	5	0	3
10991	9874	9885		9873	5	5	0	3	10992	9875	9885		9874	5	5	0	3
10993	9888	9885		9875	5	5	0	3	10994	9903	9899		9894	5	5	0	3
10995	9982	9881		9882	5	5	0	3	10996	9830	9881		9880	5	5	0	3
10997	9831	9863		9881	5	5	0	3	10998	9881	9997		9880	5	5	0	3
10999	9863	9831		9849	5	5	0	3	11000	9857	9864		9850	5	5	0	3
11001	9831	9829		9849	5	5	0	3	11002	9814	9833		9832	5	5	0	3
11003	9850	9834		9855	5	5	0	3	11004	9745	9782		9781	5	5	0	3
11005	9799	9800		9813	5	5	0	3	11006	9794	9783		9793	5	5	0	3
11007	9745	9783		9782	5	5	0	3	11008	9774	9784		9783	5	5	0	3

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat.
								Ind.									Ind.
11009	9788	9783		9784	5	5	0	3	11010	9783	9800		9782	5	5	0	3
11011	9832	9813		9814	5	5	0	3	11012	9814	9834		9833	5	5	0	3
11013	9850	9829		9832	5	5	0	3	11014	9844	9834		9843	5	5	0	3
11015	9854	9834		9852	5	5	0	3	11016	9824	9837		9834	5	5	0	3
11017	9840	9834		9839	5	5	0	3	11018	9839	9834		9837	5	5	0	3
11019	9834	9823		9824	5	5	0	3	11020	9850	9855		9856	5	5	0	3
11021	9864	9859		9885	5	5	0	3	11022	9863	9850		9864	5	5	0	3
11023	9896	9884		9885	5	5	0	3	11024	9898	9883		9899	5	5	0	3
11025	9895	9883		9884	5	5	0	3	11026	9864	9885		9884	5	5	0	3
11027	9882	9864		9883	5	5	0	3	11028	9864	9884		9883	5	5	0	3
11029	9883	9895		9894	5	5	0	3	11030	9894	9999		9903	5	5	0	3
11031	9982	9882		9898	5	5	0	3	11032	9899	9883		9894	5	5	0	3
11033	9883	9898		9882	5	5	0	3	11034	9902	9999		9982	5	5	0	3
11035	9982	9898		9902	5	5	0	3	11036	10015	10041		10039	5	5	0	3
11037	9999	10015		9984	5	5	0	3	11038	10015	9999		10041	5	5	0	3
11039	9999	10032		10010	5	5	0	3	11040	9894	9999		9895	5	5	0	3
11041	9895	9999		10010	5	5	0	3	11042	10011	10010		10033	5	5	0	3
11043	10010	10032		10033	5	5	0	3	11044	10011	9895		9896	5	5	0	3
11045	9895	10011		10010	5	5	0	3	11046	9890	9885		9888	5	5	0	3
11047	10089	10034		9918	5	5	0	3	11048	9936	10027		9935	5	5	0	3
11049	9937	10027		9936	5	5	0	3	11050	9938	10027		9937	5	5	0	3
11051	9939	10027		9938	5	5	0	3	11052	9940	10027		9939	5	5	0	3
11053	9941	10092		9940	5	5	0	3	11054	10093	10146		10145	5	5	0	3
11055	9943	10092		9942	5	5	0	3	11056	9944	10093		9943	5	5	0	3
11057	9945	10093		9944	5	5	0	3	11058	10028	9945		9946	5	5	0	3
11059	10093	10147		10146	5	5	0	3	11060	10028	9947		9948	5	5	0	3
11061	10028	9948		9949	5	5	0	3	11062	10028	9949		9950	5	5	0	3
11063	10028	10093		9945	5	5	0	3	11064	10028	9950		9951	5	5	0	3
11065	10028	9951		9952	5	5	0	3	11066	10149	10117		10139	5	5	0	3
11067	10028	9952		9953	5	5	0	3	11068	9956	10028		9955	5	5	0	3
11069	10149	10113		10114	5	5	0	3	11070	9957	10028		9956	5	5	0	3
11071	10149	10111		10113	5	5	0	3	11072	9958	10028		9957	5	5	0	3
11073	10085	10111		10149	5	5	0	3	11074	9959	10028		9958	5	5	0	3
11075	10111	10085		10109	5	5	0	3	11076	9966	10085		9965	5	5	0	3
11077	9960	10028		9959	5	5	0	3	11078	10107	10085		10105	5	5	0	3
11079	9961	10028		9960	5	5	0	3	11080	10105	10085		10103	5	5	0	3
11081	9962	10028		9961	5	5	0	3	11082	10103	10085		10097	5	5	0	3
11083	9963	10028		9962	5	5	0	3	11084	10097	10085		10074	5	5	0	3
11085	10095	10028		9963	5	5	0	3	11086	10085	10149		10148	5	5	0	3
11087	10085	10068		10070	5	5	0	3	11088	10085	10066		10068	5	5	0	3
11089	10085	10064		10066	5	5	0	3	11090	10095	9963		9964	5	5	0	3
11091	9891	9885		9890	5	5	0	3	11092	9965	10095		9964	5	5	0	3
11093	10095	9965		10085	5	5	0	3	11094	10085	10053		10064	5	5	0	3
11095	9967	10085		9966	5	5	0	3	11096	10085	10044		10053	5	5	0	3
11097	9968	10085		9967	5	5	0	3	11098	10085	10042		10044	5	5	0	3
11099	10085	9968		10042	5	5	0	3	11100	10042	9968		10035	5	5	0	3
11101	9969	10035		9968	5	5	0	3	11102	10035	9969		10030	5	5	0	3
11103	9970	10030		9969	5	5	0	3	11104	10030	9970		10020	5	5	0	3
11105	9971	10020		9970	5	5	0	3	11106	10020	9971		10019	5	5	0	3
11107	9972	10019		9971	5	5	0	3	11108	10019	9972		10018	5	5	0	3
11109	9973	10018		9972	5	5	0	3	11110	10018	9973		10012	5	5	0	3
11111	9974	10012		9973	5	5	0	3	11112	10012	9974		10009	5	5	0	3
11113	9975	10009		9974	5	5	0	3	11114	10009	9975		10008	5	5	0	3
11115	10008	9975		9976	5	5	0	3	11116	10008	9976		9977	5	5	0	3
11117	10074	10085		10072	5	5	0	3	11118	10109	10085		10107	5	5	0	3
11119	10149	10114		10117	5	5	0	3	11120	10028	9946		9947	5	5	0	3
11121	10092	9943		10093	5	5	0	3	11122	9935	10027		9934	5	5	0	3
11123	10145	10101		10092	5	5	0	3	11124	10027	9940		10092	5	5	0	3
11125	10145	10092		10093	5	5	0	3	11126	9932	10027		9931	5	5	0	3
11127	10027	9930		9931	5	5	0	3	11128	10027	9929		9930	5	5	0	3
11129	10027	9928		9929	5	5	0	3	11130	10027	9927		9928	5	5	0	3
11131	10027	9926		9927	5	5	0	3	11132	10101	10144		10090	5	5	0	3
11133	10027	9925		9926	5	5	0	3	11134	10101	10090		10061	5	5	0	3
11135	9934	10027		9933	5	5	0	3	11136	10027	9922		9923	5	5	0	3
11137	10090	9921		9922	5	5	0	3	11138	10090	9920		9921	5	5	0	3
11139	9920	10089		9919	5	5	0	3	11140	10089	10144		10143	5	5	0	3
11141	9919	10089		9918	5	5	0	3	11142	9918	10034		9917	5	5	0	3
11143	9917	10034		9916	5	5	0	3	11144	9916	10034		9915	5	5	0	3
11145	9915	10034		9914	5	5	0	3	11146	9914	10034		9913	5	5	0	3
11147	9913	10034		9912	5	5	0	3	11148	10144	10089		10090	5	5	0	3
11149	10089	9920		10090	5	5	0	3	11150	10034	10089		10060	5	5	0	3
11151	10060	10089		10088	5	5	0	3	11152	10087	10142		10140	5	5	0	3
11153	10086	10140		10141	5	5	0	3	11154	10059	10032		10033	5	5	0	3
11155	9911	10034		9910	5	5	0	3	11156	10034	10011		9906	5	5	0	3
11157	9901	9896		9900	5	5	0	3	11158	10060	10033		10034	5	5	0	3
11159	9885	9891		9896	5	5	0	3	11160	9896	9891		9893	5	5	0	3
11161	9896	9893		9897	5	5	0	3	11162	9896	9897		9900	5	5	0	3
11163	9904	9896		9901	5	5	0	3	11164	9906	9896		9904	5	5	0	3
11165	9896	9906		10011	5	5	0	3	11166	9953	9954		10028	5	5	0	3
11167	9955	10028		9954	5	5	0	3	11168	10102	10148		10152	5	5	0	3
11169	10102	10147		10093	5	5	0	3	11170	10095	10102		10062	5	5	0	3
11171	10085	10070		10072	5	5	0	3	11172	10028	10095		10062	5	5	0	3
11173	10085	10148		10095	5	5	0	3	11174	10093	10028		10062	5	5	0	3
11175	10147	10102		10152	5	5	0	3	11176	9933	10027		9932	5	5	0	3
11177	9942	10092		9941	5	5	0	3	11178	10027	9923		9924	5	5	0	3
11179	9922	10027		10090	5	5	0	3	11180	10144	10101		10151	5	5	0	3
11181	10027	9924		9925	5	5	0	3	11182	10090	10027		10061	5	5	0	3
11183	10027	10092		10061	5	5	0	3	11184	10093	10062		10102	5	5	0	3
11185	10148	10102		10095	5	5	0	3	11186	10061	10092		10101	5	5	0	3
11187	10101	10145		10151	5	5	0	3	11188	10143	10088		10089	5	5	0	3
11189	10142	10087		10088	5	5	0	3	11190	9912	10034		9911	5	5	0	3
11191	10088	10143		10142	5	5	0	3	11192	10087	10060		10088	5	5	0	3
11193	10011	10034		10033	5	5	0	3	11194	9906	9908		10034	5	5	0	3
11195	9910	10034		9908	5	5	0	3	11196	10140	10086		10087	5	5	0	3
11197	10087	10086		10059	5	5	0	3	11198	10032	10059		10086	5	5	0	3
11199	10033	10060		10059	5	5	0	3	11200	10060	10087		10059	5	5	0	3
11201	10117	10124		10123	5	5	0	3	11202	10071	10070		10069	5	5	0	3
11203	10068	10067		10069	5	5	0	3	11204	10050	10067		10049	5	5	0	3

In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.	In.	Nodo I	Nodo J	Nodo L	Nodo K	Sp.mem.	Sp.fless.	Tm	Mat. Ind.
11205	10067	10050		10065	5	5	0	3	11206	10051	10065		10050	5	5	0	3
11207	10065	10051		10054	5	5	0	3	11208	10054	10051		10052	5	5	0	3
11209	10072	10073		10074	5	5	0	3	11210	10075	10074		10073	5	5	0	3
11211	10097	10100		10103	5	5	0	3	11212	10104	10103		10100	5	5	0	3
11213	10103	10104		10105	5	5	0	3	11214	10106	10105		10104	5	5	0	3
11215	10110	10109		10108	5	5	0	3	11216	10117	10123		10139	5	5	0	3
11217	10124	10114		10125	5	5	0	3	11218	10125	10111		10126	5	5	0	3
11219	10115	10126		10112	5	5	0	3	11220	10126	10115		10127	5	5	0	3
11221	10118	10127		10115	5	5	0	3	11222	10127	10118		10128	5	5	0	3
11223	10128	10118		10129	5	5	0	3	11224	10111	10125		10113	5	5	0	3
11225	10114	10124		10117	5	5	0	3	11226	10113	10125		10114	5	5	0	3
11227	10126	10111		10112	5	5	0	3	11228	10112	10111		10110	5	5	0	3
11229	10109	10110		10111	5	5	0	3	11230	10107	10108		10109	5	5	0	3
11231	10108	10107		10106	5	5	0	3	11232	10105	10106		10107	5	5	0	3
11233	10100	10097		10075	5	5	0	3	11234	10074	10075		10097	5	5	0	3
11235	10073	10072		10071	5	5	0	3	11236	10070	10071		10072	5	5	0	3
11237	10068	10069		10070	5	5	0	3	11238	10067	10068		10049	5	5	0	3
11239	10066	10049		10068	5	5	0	3	11240	10049	10066		10048	5	5	0	3
11241	10064	10048		10066	5	5	0	3	11242	10048	10064		10047	5	5	0	3
11243	10044	10046		10053	5	5	0	3	11244	10053	10047		10064	5	5	0	3
11245	10047	10053		10046	5	5	0	3	11246	10151	10160		10159	5	5	0	3
11247	10151	10145		10160	5	5	0	3	11248	10146	10160		10145	5	5	0	3
11249	10161	10146		10147	5	5	0	3	11250	10146	10161		10160	5	5	0	3
11251	12361	11667		12782	5	5	0	3	11252	12782	11666		12806	5	5	0	3
11253	11666	12782		11667	5	5	0	3	11254	11667	12361		11668	5	5	0	3
11255	12782	12806		12812	5	5	0	3	11256	12782	12813		12361	5	5	0	3
11257	12813	12804		12361	5	5	0	3	11258	12813	12782		12812	5	5	0	3
11259	12371	12408		12369	5	5	0	3	11260	12374	12408		12373	5	5	0	3
11261	12375	12408		12374	5	5	0	3	11262	12378	12409		12377	5	5	0	3
11263	12409	12397		12399	5	5	0	3	11264	12409	12399		12401	5	5	0	3
11265	12409	12401		12403	5	5	0	3	11266	12409	12403		12410	5	5	0	3
11267	12369	12412		12367	5	5	0	3	11268	12365	12412		12363	5	5	0	3
11269	12367	12412		12365	5	5	0	3	11270	12412	12369		12408	5	5	0	3
11271	12373	12408		12371	5	5	0	3	11272	12376	12408		12375	5	5	0	3
11273	12377	12408		12376	5	5	0	3	11274	12408	12377		12409	5	5	0	3
11275	12409	12378		12397	5	5	0	3	11276	12397	12378		12394	5	5	0	3
11277	12379	12394		12378	5	5	0	3	11278	12394	12379		12392	5	5	0	3
11279	12380	12392		12379	5	5	0	3	11280	12392	12380		12390	5	5	0	3
11281	12381	12390		12380	5	5	0	3	11282	12390	12381		12388	5	5	0	3
11283	12388	12381		12382	5	5	0	3	11284	12388	12382		12387	5	5	0	3

2.8 Elementi muratura

2.8.1 Maschi in muratura

***Ind.**: numero dell'elemento nell'insieme che lo contiene.*
***Materiale**: muratura di cui è composto l'elemento.*
***Tronco**: tronco dell'elemento o degli elementi generanti; nel caso non sia identificabile univocamente un tronco vale "Quote generiche"*
***Punto iniziale**: punto iniziale, in pianta, del piano medio.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Punto finale**: punto finale, in pianta, del piano medio.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***H**: altezza media del piano medio. [cm]*
***L**: distanza tra il punto iniziale e il punto finale. [cm]*
***Sp.**: spessore misurato in direzione ortogonale al piano medio dell'elemento. [cm]*
***Irrigidimenti**: irrigidimenti verticali ortogonali al piano del maschio.*
***Interasse**: interasse irrigidimenti verticali ortogonali al piano del maschio. [cm]*
***Denominatore**: denominatore che compare nella formula per il calcolo del momento ortogonale. Il valore è adimensionale. Accetta anche il valore di default espresso nelle preferenze.*
***Aggancio**: forza di aggancio al piano per unità di lunghezza del maschio. [daN/cm]*
***Valutazione proporzioni**: criterio di valutazione delle proporzioni geometriche; è possibile indicare di attenersi ai limiti dimensionali prescritti dalla norma di analisi.*
***Secondario**: maschio da considerarsi come elemento strutturale secondario rispetto alle azioni sismiche, cioè non contribuente alla resistenza della struttura alle azioni sismiche.*
***Penetrazione solai**: profondità di penetrazione degli eventuali solai superiori.*
***Miglioramenti**: eventuali miglioramenti apportati.*
***Incremento drift ultimo**: incremento dello spostamento ultimo in analisi pushover, nel caso di rottura per pressoflessione di pannelli che esibiscono un comportamento a mensola (Circolare 02/02/2009, C8.7.1.4). Accetta valori nell'intervallo [0,1]; il valore 0 indica nessun incremento, mentre il valore 1 indica un incremento del 100%. Il valore è adimensionale.*

Ind.	Materiale	Tronco	Punto iniziale		Punto finale		H	L	Sp.	Irrigidimenti	Denominatore	Aggancio	Valutazione proporzioni	Secondario	Penetrazione solai	Miglioramenti	Increment drift ultim
			X	Y	X	Y				Interasse							
1	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2243.7	1246	2243.7	843.5	503	4.0E2	45		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	

Ind.	Materiale	Tronco	Punto iniziale		Punto finale		H	L	Sp.	Irrigidimenti	Denominatore	Aggancio	Valutazione proporzioni	Secondario	Penetrazione solai	Miglioramenti	Increment drift ultim
			X	Y	X	Y				Interasse							
2	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2243.7	1464.7	2243.7	1426	503	38.7	45		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
3	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2251.2	3201	2251.2	3671	503	470	60		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
4	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2251.2	3771	2251.2	3828.5	503	57.5	60		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
5	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2291.2	1464.7	2291.2	3201	503	1.7E3	140		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
6	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2291.2	3828.5	2291.2	3939.1	503	1.1E2	140		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
7	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2291.2	4155.1	2291.2	4611	503	4.6E2	140		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
8	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2504.1	1464.7	2291.2	1464.7	503	2.1E2	60		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
9	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2508.1	1204.6	2504.1	1464.7	503	2.6E2	45		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
10	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2243.7	1204.6	2281	1204.6	503	37.3	60		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
11	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2401	1204.6	2823.7	1204.6	503	4.2E2	60		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	

Ind.	Materiale	Tronco	Punto iniziale		Punto finale		H	L	Sp.	Irrigidimenti	Denominatore	Aggancio	Valutazione proporzioni	Secondario	Penetrazione solai	Miglioramenti	Increment drift ultim
			X	Y	X	Y				Interasse							
12	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2823.7	843.5	2243.7	843.5	503	580	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
13	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	3004.7	3201	2291.2	3201	503	7.1E2	50		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
14	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2771.1	3828.5	2291.2	3828.5	503	4.8E2	65		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
15	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	3003.7	3828.5	2901.1	3828.5	503	1.0E2	65		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
16	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2698.2	4301.8	2699.2	3828.5	503	4.7E2	65		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
17	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2697.5	4610.9	2698	4391.8	503	2.2E2	65		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
18	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2823.7	1204.6	2823.7	843.5	503	3.6E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
19	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2988.7	4313.9	2988.7	4247.6	503	66.3	65		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
20	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2988.8	4564.8	2988.8	4413.9	503	1.5E2	65		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
21	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	3002.9	4247.6	3004.7	3201	503	1.0E3	95		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	

Ind.	Materiale	Tronco	Punto iniziale		Punto finale		H	L	Sp.	Irrigidimenti	Denominatore	Aggancio	Valutazione proporzioni	Secondario	Penetrazione solai	Miglioramenti	Increment drift ultim
			X	Y	X	Y				Interasse							
22	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	3002.9	4247.6	3486.2	4248.4	503	4.8E2	85		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
23	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	3486.1	4564.8	3486.2	4248.4	503	3.2E2	50		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
24	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	3861.2	4564.8	3861.2	4926	503	3.6E2	60		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
25	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2420.5	4564.8	2220.2	4564.8	503	2.0E2	90		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
26	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	3071	4564.8	2520.5	4564.8	503	5.5E2	90		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
27	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	5598.7	4564.8	3171	4564.8	503	2.4E3	90		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
28	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	3920.2	4926	3861.2	4926	503	59	60		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
29	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	4310.3	4926	4020.2	4926	503	2.9E2	60		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
30	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	4521.4	4926	4390.3	4926	503	1.3E2	60		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
31	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	4521.4	4564.8	4521.4	4926	503	3.6E2	60		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	

Ind.	Materiale	Tronco	Punto iniziale		Punto finale		H	L	Sp.	Irrigidimenti	Denominatore	Aggancio	Valutazione proporzioni	Secondario	Penetrazione solai	Miglioramenti	Increment drift ultim
			X	Y	X	Y				Interasse							
32	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Fond 2 - Piano Terra	3008.7	1194.6	2823.7	1194.6	103	185	80		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
33	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Fond 2 - Piano Terra	3008.7	3201	3008.7	1194.6	103	2.0E3	65		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
34	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Fond 2 - Piano Terra	3004.1	3543.4	5598.7	3543.5	103	2.6E3	65		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
35	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Fond 2 - Piano Terra	5598.7	4584.8	5598.7	3543.5	103	1.0E3	65		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
36	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Fond 2 - Piano Terra	5598.7	3928.5	5883.7	3928.5	103	285	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
37	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Fond 2 - Piano Terra	5883.7	4584.8	5598.7	4584.8	103	285	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
38	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Fond 2 - Piano Terra	5883.7	3928.5	5883.7	4584.8	103	6.6E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
39	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	2269.9	843.5	2243.7	843.5	430	26.2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
40	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	2823.7	843.5	2384.9	843.5	430	4.4E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
41	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	2823.7	897.2	2823.7	843.5	430	53.7	55		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	

Ind.	Materiale	Tronco	Punto iniziale		Punto finale		H	L	Sp.	Irrigidimenti	Denominatore	Aggancio	Valutazione proporzioni	Secondario	Penetrazione solai	Miglioramenti	Increment drift ultim
			X	Y	X	Y				Interasse							
42	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	2823.7	1194.6	2823.7	1007.2	430	1.9E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
43	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	1194.6	2823.7	1194.6	430	190	80		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
44	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	1244.8	3013.7	1194.6	430	50.2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
45	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	1581.6	3013.7	1394.8	430	1.9E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
46	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	1867.4	3013.7	1711.6	430	1.6E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
47	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	2134.7	3013.7	1997.4	430	1.4E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
48	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	2420.8	3013.7	2274.7	430	1.5E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
49	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	2707.8	3013.7	2550.8	430	1.6E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
50	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	3005.4	3013.7	2837.8	430	1.7E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
51	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	3289.1	3013.7	3135.4	430	1.5E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	

Ind.	Materiale	Tronco	Punto iniziale		Punto finale		H	L	Sp.	Irrigidimenti	Denominatore	Aggancio	Valutazione proporzioni	Secondario	Penetrazione solai	Miglioramenti	Increment drift ultim
			X	Y	X	Y				Interasse							
52	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	3538.4	3013.7	3439.1	430	99.3	55		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
53	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	3538.4	3084.2	3538.4	430	70.5	55		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
54	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3214.2	3538.4	3333.9	3538.4	430	1.2E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
55	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3473.9	3538.4	3618.8	3538.4	430	1.4E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
56	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3748.8	3538.4	3919.7	3538.4	430	1.7E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
57	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	4049.7	3538.4	4199.5	3538.4	430	1.5E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
58	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	4339.5	3538.4	4510.7	3538.4	430	1.7E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
59	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	4640.7	3538.4	4824.5	3538.5	430	1.8E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
60	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	4954.5	3538.5	5087.8	3538.5	430	1.3E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
61	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	5227.8	3538.5	5374.8	3538.5	430	1.5E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	

Ind.	Materiale	Tronco	Punto iniziale		Punto finale		H	L	Sp.	Irrigidimenti	Denominatore	Aggancio	Valutazione proporzioni	Secondario	Penetrazione solai	Miglioramenti	Increment drift ultim
			X	Y	X	Y				Interasse							
62	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	5504.8	3538.5	5603.7	3538.5	430	98.9	55		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
63	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	5603.7	4361	5603.7	3538.5	430	8.2E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
64	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	5603.7	4584.8	5603.7	4501	430	83.9	55		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
65	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	5598.7	3928.5	5656.2	3928.5	430	57.5	55		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
66	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	5826.2	3928.5	5883.7	3928.5	430	57.5	55		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
67	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	5666.9	4584.8	5598.7	4584.8	430	68.2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
68	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	5883.7	4584.8	5786.9	4584.8	430	96.8	55		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
69	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	5883.7	3928.5	5883.7	4584.8	430	6.6E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
70	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	2269.9	843.5	2221.2	843.5	420	48.7	55		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
71	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	2823.7	843.5	2369.9	843.5	420	4.5E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	

Ind.	Materiale	Tronco	Punto iniziale		Punto finale		H	L	Sp.	Irrigidimenti	Denominatore	Aggancio	Valutazione proporzioni	Secondario	Penetrazione solai	Miglioramenti	Increment drift ultim
			X	Y	X	Y				Interasse							
72	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	2823.7	897.2	2823.7	843.5	420	53.7	55		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
73	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	2823.7	1194.6	2823.7	1007.2	420	1.9E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
74	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	1194.6	2823.7	1194.6	420	190	80		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
75	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	1244.8	3013.7	1194.6	420	50.2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
76	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	1581.6	3013.7	1374.8	420	2.1E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
77	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	1867.4	3013.7	1711.6	420	1.6E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
78	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	2134.7	3013.7	1997.4	420	1.4E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
79	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	2420.8	3013.7	2274.7	420	1.5E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
80	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	2707.8	3013.7	2550.8	420	1.6E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
81	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	3005.4	3013.7	2837.8	420	1.7E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	

Ind.	Materiale	Tronco	Punto iniziale		Punto finale		H	L	Sp.	Irrigidimenti	Denominatore	Aggancio	Valutazione proporzioni	Secondario	Penetrazione solai	Miglioramenti	Increment drift ultim
			X	Y	X	Y				Interasse							
82	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	3289.1	3013.7	3135.4	420	1.5E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
83	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	3538.4	3013.7	3419.1	420	1.2E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
84	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	3538.4	3084.2	3538.4	420	70.5	55		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
85	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3214.2	3538.4	3333.9	3538.4	420	1.2E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
86	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3473.9	3538.4	3618.8	3538.4	420	1.4E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
87	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3748.8	3538.4	3919.7	3538.4	420	1.7E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
88	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	4049.7	3538.4	4199.5	3538.4	420	1.5E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
89	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	4339.5	3538.4	4510.7	3538.4	420	1.7E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
90	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	4640.7	3538.4	4824.5	3538.5	420	1.8E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
91	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	4954.5	3538.5	5087.8	3538.5	420	1.3E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	

Ind.	Materiale	Tronco	Punto iniziale		Punto finale		H	L	Sp.	Irrigidimenti	Denominatore	Aggancio	Valutazione proporzioni	Secondario	Penetrazione solai	Miglioramenti	Increment drift ultim
			X	Y	X	Y				Interasse							
92	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	5227.8	3538.5	5374.8	3538.5	420	1.5E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
93	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	5504.8	3538.5	5603.7	3538.5	420	98.9	55		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	
94	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	5603.7	4361	5603.7	3538.5	420	8.2E2	55		Default (8)	Default (0)	Conformemente alla norma di analisi	No (secondo norma di analisi)	1; 1	Nessun miglioramento	
95	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	5603.7	4584.8	5603.7	4501	420	83.9	55		Default (8)	Default (0)	Conformemente alla norma di analisi	Si (secondo norma di analisi)	1; 1	Nessun miglioramento	

2.8.2 Travi di collegamento in muratura

***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Materiale**: muratura di cui è composto l'elemento.*
***Tronco**: tronco dell'elemento o degli elementi generanti; nel caso non sia identificabile univocamente un tronco vale "Quote generiche"*
***Punto iniziale**: punto iniziale, in pianta, del piano medio.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Punto finale**: punto finale, in pianta, del piano medio.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Altezza**: altezza media del piano medio. [cm]*
***Lunghezza**: distanza tra il punto iniziale e il punto finale. [cm]*
***Spessore**: spessore misurato in direzione ortogonale al piano medio dell'elemento. [cm]*
***Resistenza**: resistenza a trazione dovuta a caratteristiche proprie del materiale o a dispositivi presenti (catene, cordoli, ecc.). [daN]*
***Miglioramenti**: eventuali miglioramenti apportati.*

Indice	Materiale	Tronco	Punto iniziale		Punto finale		Altezza	Lunghezza	Spessore	Resistenza	Miglioramenti
			X	Y	X	Y					
1	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2243.7	1426	2243.7	1246	55	180	45	Default (30000)	Nessun miglioramento
2	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2243.7	1426	2243.7	1246	198	180	45	Default (30000)	Nessun miglioramento
3	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2251.2	3671	2251.2	3771	55	100	60	Default (30000)	Nessun miglioramento
4	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2251.2	3671	2251.2	3771	148	100	60	Default (30000)	Nessun miglioramento

Indice	Materiale	Tronco	Punto iniziale		Punto finale		Altezza	Lunghezza	Spessore	Resistenza	Miglioramenti
			X	Y	X	Y					
5	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2291.2	3939.1	2291.2	4155.1	175	216	140	Default (30000)	Nessun miglioramento
6	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2291.2	3939.1	2291.2	4155.1	213	216	140	Default (30000)	Nessun miglioramento
7	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2281	1204.6	2401	1204.6	55	120	60	Default (30000)	Nessun miglioramento
8	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2281	1204.6	2401	1204.6	198	120	60	Default (30000)	Nessun miglioramento
9	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2901.1	3828.5	2771.1	3828.5	55	130	65	Default (30000)	Nessun miglioramento
10	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2901.1	3828.5	2771.1	3828.5	198	130	65	Default (30000)	Nessun miglioramento
11	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2698	4391.8	2698.2	4301.8	55	90	65	Default (30000)	Nessun miglioramento
12	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2698	4391.8	2698.2	4301.8	238	90	65	Default (30000)	Nessun miglioramento
13	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2988.8	4413.9	2988.7	4313.9	55	100	65	Default (30000)	Nessun miglioramento
14	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2988.8	4413.9	2988.7	4313.9	258	100	65	Default (30000)	Nessun miglioramento

Indice	Materiale	Tronco	Punto iniziale		Punto finale		Altezza	Lunghezza	Spessore	Resistenza	Miglioramenti
			X	Y	X	Y					
15	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2520.5	4564.8	2420.5	4564.8	55	100	90	Default (30000)	Nessun miglioramento
16	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	2520.5	4564.8	2420.5	4564.8	138	100	90	Default (30000)	Nessun miglioramento
17	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	3171	4564.8	3071	4564.8	125	100	90	Default (30000)	Nessun miglioramento
18	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	3171	4564.8	3071	4564.8	138	100	90	Default (30000)	Nessun miglioramento
19	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	4020.2	4926	3920.2	4926	55	100	60	Default (30000)	Nessun miglioramento
20	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	4020.2	4926	3920.2	4926	228	100	60	Default (30000)	Nessun miglioramento
21	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	4390.3	4926	4310.3	4926	55	80	60	Default (30000)	Nessun miglioramento
22	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Seminterrato - Piano Terra	4390.3	4926	4310.3	4926	228	80	60	Default (30000)	Nessun miglioramento
23	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	2384.9	843.5	2269.9	843.5	32	115	55	Default (30000)	Nessun miglioramento
24	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	2384.9	843.5	2269.9	843.5	128	115	55	Default (30000)	Nessun miglioramento

Indice	Materiale	Tronco	Punto iniziale		Punto finale		Altezza	Lunghezza	Spessore	Resistenza	Miglioramenti
			X	Y	X	Y					
25	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	2823.7	1007.2	2823.7	897.2	32	110	55	Default (30000)	Nessun miglioramento
26	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	2823.7	1007.2	2823.7	897.2	118	110	55	Default (30000)	Nessun miglioramento
27	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	1394.8	3013.7	1244.8	32	150	55	Default (30000)	Nessun miglioramento
28	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	1394.8	3013.7	1244.8	38	150	55	Default (30000)	Nessun miglioramento
29	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	1711.6	3013.7	1581.6	32	130	55	Default (30000)	Nessun miglioramento
30	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	1711.6	3013.7	1581.6	158	130	55	Default (30000)	Nessun miglioramento
31	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	1997.4	3013.7	1867.4	32	130	55	Default (30000)	Nessun miglioramento
32	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	1997.4	3013.7	1867.4	158	130	55	Default (30000)	Nessun miglioramento
33	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	2274.7	3013.7	2134.7	32	140	55	Default (30000)	Nessun miglioramento
34	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	2274.7	3013.7	2134.7	158	140	55	Default (30000)	Nessun miglioramento

Indice	Materiale	Tronco	Punto iniziale		Punto finale		Altezza	Lunghezza	Spessore	Resistenza	Miglioramenti
			X	Y	X	Y					
35	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	2550.8	3013.7	2420.8	32	130	55	Default (30000)	Nessun miglioramento
36	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	2550.8	3013.7	2420.8	158	130	55	Default (30000)	Nessun miglioramento
37	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	2837.8	3013.7	2707.8	32	130	55	Default (30000)	Nessun miglioramento
38	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	2837.8	3013.7	2707.8	158	130	55	Default (30000)	Nessun miglioramento
39	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	3135.4	3013.7	3005.4	32	130	55	Default (30000)	Nessun miglioramento
40	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	3135.4	3013.7	3005.4	158	130	55	Default (30000)	Nessun miglioramento
41	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	3439.1	3013.7	3289.1	32	150	55	Default (30000)	Nessun miglioramento
42	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3013.7	3439.1	3013.7	3289.1	38	150	55	Default (30000)	Nessun miglioramento
43	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3084.2	3538.4	3214.2	3538.4	32	130	55	Default (30000)	Nessun miglioramento
44	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3084.2	3538.4	3214.2	3538.4	158	130	55	Default (30000)	Nessun miglioramento

Indice	Materiale	Tronco	Punto iniziale		Punto finale		Altezza	Lunghezza	Spessore	Resistenza	Miglioramenti
			X	Y	X	Y					
45	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3333.9	3538.4	3473.9	3538.4	32	140	55	Default (30000)	Nessun miglioramento
46	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3333.9	3538.4	3473.9	3538.4	158	140	55	Default (30000)	Nessun miglioramento
47	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3618.8	3538.4	3748.8	3538.4	32	130	55	Default (30000)	Nessun miglioramento
48	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3618.8	3538.4	3748.8	3538.4	158	130	55	Default (30000)	Nessun miglioramento
49	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3919.7	3538.4	4049.7	3538.4	32	130	55	Default (30000)	Nessun miglioramento
50	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	3919.7	3538.4	4049.7	3538.4	158	130	55	Default (30000)	Nessun miglioramento
51	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	4199.5	3538.4	4339.5	3538.4	32	140	55	Default (30000)	Nessun miglioramento
52	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	4199.5	3538.4	4339.5	3538.4	158	140	55	Default (30000)	Nessun miglioramento
53	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	4510.7	3538.4	4640.7	3538.4	32	130	55	Default (30000)	Nessun miglioramento
54	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	4510.7	3538.4	4640.7	3538.4	158	130	55	Default (30000)	Nessun miglioramento

Indice	Materiale	Tronco	Punto iniziale		Punto finale		Altezza	Lunghezza	Spessore	Resistenza	Miglioramenti
			X	Y	X	Y					
55	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	4824.5	3538.5	4954.5	3538.5	32	130	55	Default (30000)	Nessun miglioramento
56	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	4824.5	3538.5	4954.5	3538.5	158	130	55	Default (30000)	Nessun miglioramento
57	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	5087.8	3538.5	5227.8	3538.5	32	140	55	Default (30000)	Nessun miglioramento
58	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	5087.8	3538.5	5227.8	3538.5	158	140	55	Default (30000)	Nessun miglioramento
59	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	5374.8	3538.5	5504.8	3538.5	32	130	55	Default (30000)	Nessun miglioramento
60	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	5374.8	3538.5	5504.8	3538.5	158	130	55	Default (30000)	Nessun miglioramento
61	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	5603.7	4501	5603.7	4361	32	140	55	Default (30000)	Nessun miglioramento
62	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	5603.7	4501	5603.7	4361	148	140	55	Default (30000)	Nessun miglioramento
63	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	5656.2	3928.5	5826.2	3928.5	32	170	55	Default (30000)	Nessun miglioramento
64	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	5656.2	3928.5	5826.2	3928.5	28	170	55	Default (30000)	Nessun miglioramento

Indice	Materiale	Tronco	Punto iniziale		Punto finale		Altezza	Lunghezza	Spessore	Resistenza	Miglioramenti
			X	Y	X	Y					
65	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	5786.9	4584.8	5666.9	4584.8	32	120	55	Default (30000)	Nessun miglioramento
66	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano Terra - Piano 1	5786.9	4584.8	5666.9	4584.8	163	120	55	Default (30000)	Nessun miglioramento
67	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	2369.9	843.5	2269.9	843.5	32	100	55	Default (30000)	Nessun miglioramento
68	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	2369.9	843.5	2269.9	843.5	148	100	55	Default (30000)	Nessun miglioramento
69	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	2823.7	1007.2	2823.7	897.2	32	110	55	Default (30000)	Nessun miglioramento
70	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	2823.7	1007.2	2823.7	897.2	108	110	55	Default (30000)	Nessun miglioramento
71	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	1374.8	3013.7	1244.8	32	130	55	Default (30000)	Nessun miglioramento
72	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	1374.8	3013.7	1244.8	148	130	55	Default (30000)	Nessun miglioramento
73	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	1711.6	3013.7	1581.6	32	130	55	Default (30000)	Nessun miglioramento
74	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	1711.6	3013.7	1581.6	148	130	55	Default (30000)	Nessun miglioramento

Indice	Materiale	Tronco	Punto iniziale		Punto finale		Altezza	Lunghezza	Spessore	Resistenza	Miglioramenti
			X	Y	X	Y					
75	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	1997.4	3013.7	1867.4	32	130	55	Default (30000)	Nessun miglioramento
76	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	1997.4	3013.7	1867.4	148	130	55	Default (30000)	Nessun miglioramento
77	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	2274.7	3013.7	2134.7	32	140	55	Default (30000)	Nessun miglioramento
78	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	2274.7	3013.7	2134.7	148	140	55	Default (30000)	Nessun miglioramento
79	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	2550.8	3013.7	2420.8	32	130	55	Default (30000)	Nessun miglioramento
80	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	2550.8	3013.7	2420.8	148	130	55	Default (30000)	Nessun miglioramento
81	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	2837.8	3013.7	2707.8	32	130	55	Default (30000)	Nessun miglioramento
82	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	2837.8	3013.7	2707.8	148	130	55	Default (30000)	Nessun miglioramento
83	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	3135.4	3013.7	3005.4	32	130	55	Default (30000)	Nessun miglioramento
84	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	3135.4	3013.7	3005.4	148	130	55	Default (30000)	Nessun miglioramento

Indice	Materiale	Tronco	Punto iniziale		Punto finale		Altezza	Lunghezza	Spessore	Resistenza	Miglioramenti
			X	Y	X	Y					
85	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	3419.1	3013.7	3289.1	32	130	55	Default (30000)	Nessun miglioramento
86	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3013.7	3419.1	3013.7	3289.1	148	130	55	Default (30000)	Nessun miglioramento
87	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3084.2	3538.4	3214.2	3538.4	32	130	55	Default (30000)	Nessun miglioramento
88	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3084.2	3538.4	3214.2	3538.4	148	130	55	Default (30000)	Nessun miglioramento
89	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3333.9	3538.4	3473.9	3538.4	32	140	55	Default (30000)	Nessun miglioramento
90	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3333.9	3538.4	3473.9	3538.4	148	140	55	Default (30000)	Nessun miglioramento
91	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3618.8	3538.4	3748.8	3538.4	32	130	55	Default (30000)	Nessun miglioramento
92	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3618.8	3538.4	3748.8	3538.4	148	130	55	Default (30000)	Nessun miglioramento
93	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3919.7	3538.4	4049.7	3538.4	32	130	55	Default (30000)	Nessun miglioramento
94	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	3919.7	3538.4	4049.7	3538.4	148	130	55	Default (30000)	Nessun miglioramento

Indice	Materiale	Tronco	Punto iniziale		Punto finale		Altezza	Lunghezza	Spessore	Resistenza	Miglioramenti
			X	Y	X	Y					
95	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	4199.5	3538.4	4339.5	3538.4	32	140	55	Default (30000)	Nessun miglioramento
96	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	4199.5	3538.4	4339.5	3538.4	148	140	55	Default (30000)	Nessun miglioramento
97	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	4510.7	3538.4	4640.7	3538.4	32	130	55	Default (30000)	Nessun miglioramento
98	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	4510.7	3538.4	4640.7	3538.4	148	130	55	Default (30000)	Nessun miglioramento
99	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	4824.5	3538.5	4954.5	3538.5	32	130	55	Default (30000)	Nessun miglioramento
100	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	4824.5	3538.5	4954.5	3538.5	148	130	55	Default (30000)	Nessun miglioramento
101	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	5087.8	3538.5	5227.8	3538.5	32	140	55	Default (30000)	Nessun miglioramento
102	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	5087.8	3538.5	5227.8	3538.5	148	140	55	Default (30000)	Nessun miglioramento
103	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	5374.8	3538.5	5504.8	3538.5	32	130	55	Default (30000)	Nessun miglioramento
104	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	5374.8	3538.5	5504.8	3538.5	148	130	55	Default (30000)	Nessun miglioramento

Indice	Materiale	Tronco	Punto iniziale		Punto finale		Altezza	Lunghezza	Spessore	Resistenza	Miglioramenti
			X	Y	X	Y					
105	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	5603.7	4501	5603.7	4361	32	140	55	Default (30000)	Nessun miglioramento
106	(circ.617 C8A.2) Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1	Piano 1 - Piano 2	5603.7	4501	5603.7	4361	138	140	55	Default (30000)	Nessun miglioramento

2.9 Accelerazioni spettrali

***Ind.vertice**: Indice del valore.*
***T**: Periodo di vibrazione. [s]*
***a/g**: Accelerazione spettrale normalizzata ottenuta dividendo l'accelerazione spettrale per l'accelerazione di gravità. Il valore è adimensionale.*

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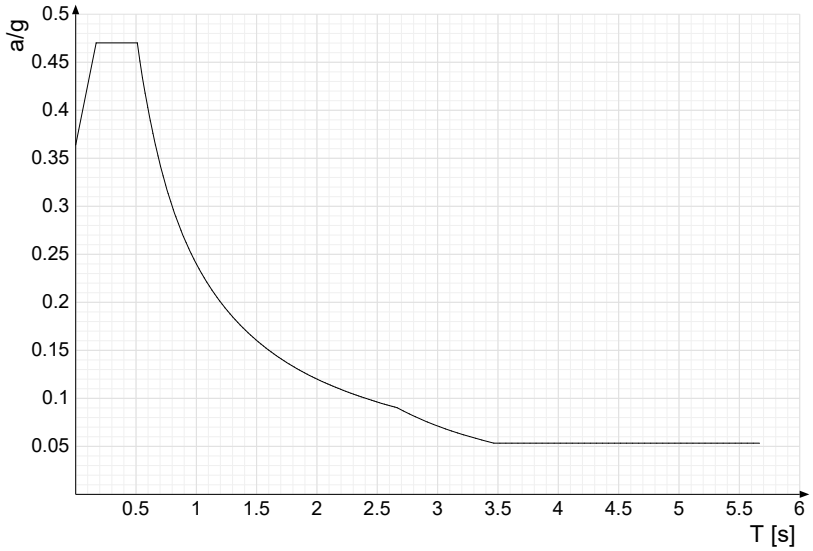

Ind.vertice	T	a/g	Ind.vertice	T	a/g	Ind.vertice	T	a/g	Ind.vertice	T	a/g
1	0	0.364	2	0.17	0.47	3	0.511	0.47	4	0.532	0.451
5	0.554	0.434	6	0.575	0.418	7	0.596	0.403	8	0.618	0.389
9	0.639	0.376	10	0.66	0.364	11	0.682	0.352	12	0.703	0.342
13	0.724	0.332	14	0.746	0.322	15	0.767	0.313	16	0.788	0.305
17	0.81	0.297	18	0.831	0.289	19	0.852	0.282	20	0.874	0.275
21	0.895	0.268	22	0.916	0.262	23	0.938	0.256	24	0.959	0.251
25	0.98	0.245	26	1.002	0.24	27	1.023	0.235	28	1.044	0.23
29	1.065	0.225	30	1.087	0.221	31	1.108	0.217	32	1.129	0.213
33	1.151	0.209	34	1.172	0.205	35	1.193	0.201	36	1.215	0.198
37	1.236	0.194	38	1.257	0.191	39	1.279	0.188	40	1.3	0.185
41	1.321	0.182	42	1.343	0.179	43	1.364	0.176	44	1.385	0.173
45	1.407	0.171	46	1.428	0.168	47	1.449	0.166	48	1.471	0.163
49	1.492	0.161	50	1.513	0.159	51	1.535	0.157	52	1.556	0.154
53	1.577	0.152	54	1.599	0.15	55	1.62	0.148	56	1.641	0.146
57	1.663	0.145	58	1.684	0.143	59	1.705	0.141	60	1.727	0.139
61	1.748	0.137	62	1.769	0.136	63	1.791	0.134	64	1.812	0.133
65	1.833	0.131	66	1.855	0.13	67	1.876	0.128	68	1.897	0.127
69	1.919	0.125	70	1.94	0.124	71	1.961	0.123	72	1.983	0.121
73	2.004	0.12	74	2.025	0.119	75	2.047	0.117	76	2.068	0.116
77	2.089	0.115	78	2.111	0.114	79	2.132	0.113	80	2.153	0.112
81	2.174	0.11	82	2.196	0.109	83	2.217	0.108	84	2.238	0.107
85	2.26	0.106	86	2.281	0.105	87	2.302	0.104	88	2.324	0.103
89	2.345	0.102	90	2.366	0.102	91	2.388	0.101	92	2.409	0.1
93	2.43	0.099	94	2.452	0.098	95	2.473	0.097	96	2.494	0.096
97	2.516	0.096	98	2.537	0.095	99	2.558	0.094	100	2.58	0.093
101	2.601	0.092	102	2.622	0.092	103	2.644	0.091	104	2.665	0.09
105	2.715	0.087	106	2.765	0.084	107	2.815	0.081	108	2.865	0.078
109	2.915	0.075	110	2.965	0.073	111	3.015	0.07	112	3.065	0.068
113	3.115	0.066	114	3.165	0.064	115	3.215	0.062	116	3.265	0.06
117	3.315	0.058	118	3.365	0.057	119	3.415	0.055	120	3.465	0.053
121	3.515	0.053	122	3.565	0.053	123	3.615	0.053	124	3.665	0.053
125	3.715	0.053	126	3.765	0.053	127	3.815	0.053	128	3.865	0.053
129	3.915	0.053	130	3.965	0.053	131	4.015	0.053	132	4.065	0.053
133	4.115	0.053	134	4.165	0.053	135	4.215	0.053	136	4.265	0.053
137	4.315	0.053	138	4.365	0.053	139	4.415	0.053	140	4.465	0.053
141	4.515	0.053	142	4.565	0.053	143	4.615	0.053	144	4.665	0.053
145	4.715	0.053	146	4.765	0.053	147	4.815	0.053	148	4.865	0.053
149	4.915	0.053	150	4.965	0.053	151	5.015	0.053	152	5.065	0.053

Ind.vertice	T	a/g	Ind.vertice	T	a/g	Ind.vertice	T	a/g	Ind.vertice	T	a/g
153	5.115	0.053	154	5.165	0.053	155	5.215	0.053	156	5.265	0.053
157	5.315	0.053	158	5.365	0.053	159	5.415	0.053	160	5.465	0.053
161	5.515	0.053	162	5.565	0.053	163	5.615	0.053	164	5.665	0.053

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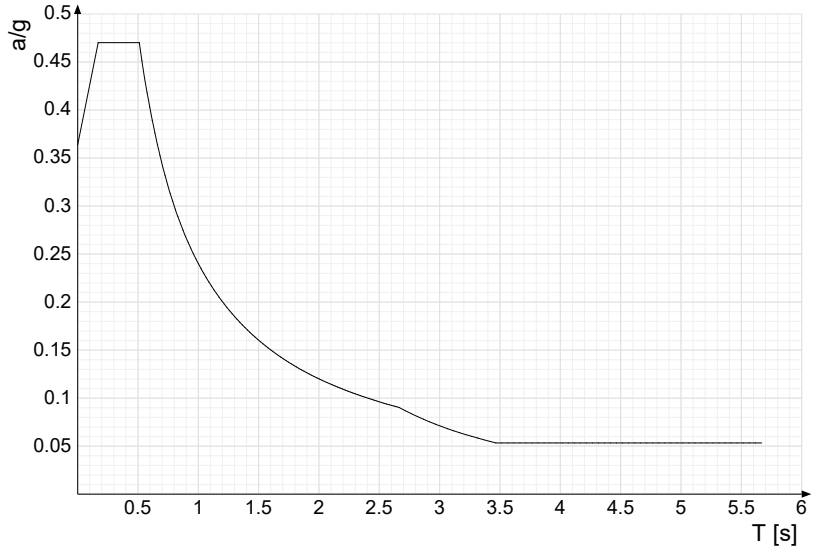
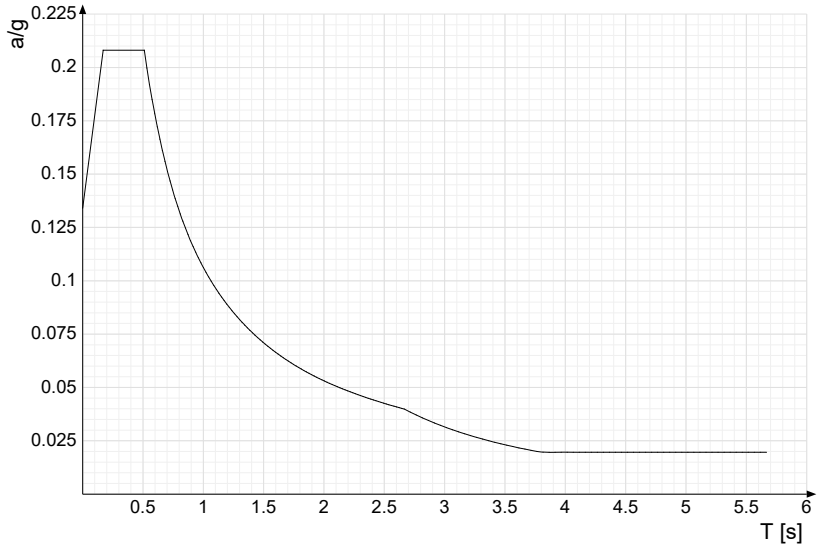


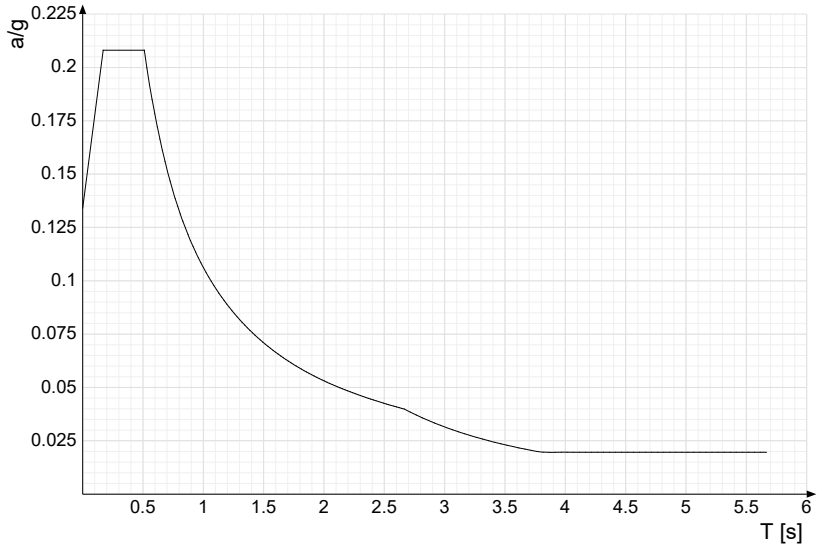
Ind.vertice	T	a/g	Ind.vertice	T	a/g	Ind.vertice	T	a/g	Ind.vertice	T	a/g
1	0	0.364	2	0.17	0.47	3	0.511	0.47	4	0.532	0.451
5	0.554	0.434	6	0.575	0.418	7	0.596	0.403	8	0.618	0.389
9	0.639	0.376	10	0.66	0.364	11	0.682	0.352	12	0.703	0.342
13	0.724	0.332	14	0.746	0.322	15	0.767	0.313	16	0.788	0.305
17	0.81	0.297	18	0.831	0.289	19	0.852	0.282	20	0.874	0.275
21	0.895	0.268	22	0.916	0.262	23	0.938	0.256	24	0.959	0.251
25	0.98	0.245	26	1.002	0.24	27	1.023	0.235	28	1.044	0.23
29	1.065	0.225	30	1.087	0.221	31	1.108	0.217	32	1.129	0.213
33	1.151	0.209	34	1.172	0.205	35	1.193	0.201	36	1.215	0.198
37	1.236	0.194	38	1.257	0.191	39	1.279	0.188	40	1.3	0.185
41	1.321	0.182	42	1.343	0.179	43	1.364	0.176	44	1.385	0.173
45	1.407	0.171	46	1.428	0.168	47	1.449	0.166	48	1.471	0.163
49	1.492	0.161	50	1.513	0.159	51	1.535	0.157	52	1.556	0.154
53	1.577	0.152	54	1.599	0.15	55	1.62	0.148	56	1.641	0.146
57	1.663	0.145	58	1.684	0.143	59	1.705	0.141	60	1.727	0.139
61	1.748	0.137	62	1.769	0.136	63	1.791	0.134	64	1.812	0.133
65	1.833	0.131	66	1.855	0.13	67	1.876	0.128	68	1.897	0.127
69	1.919	0.125	70	1.94	0.124	71	1.961	0.123	72	1.983	0.121
73	2.004	0.12	74	2.025	0.119	75	2.047	0.117	76	2.068	0.116
77	2.089	0.115	78	2.111	0.114	79	2.132	0.113	80	2.153	0.112
81	2.174	0.11	82	2.196	0.109	83	2.217	0.108	84	2.238	0.107
85	2.26	0.106	86	2.281	0.105	87	2.302	0.104	88	2.324	0.103
89	2.345	0.102	90	2.366	0.102	91	2.388	0.101	92	2.409	0.1
93	2.43	0.099	94	2.452	0.098	95	2.473	0.097	96	2.494	0.096
97	2.516	0.096	98	2.537	0.095	99	2.558	0.094	100	2.58	0.093
101	2.601	0.092	102	2.622	0.092	103	2.644	0.091	104	2.665	0.09
105	2.715	0.087	106	2.765	0.084	107	2.815	0.081	108	2.865	0.078
109	2.915	0.075	110	2.965	0.073	111	3.015	0.07	112	3.065	0.068
113	3.115	0.066	114	3.165	0.064	115	3.215	0.062	116	3.265	0.06
117	3.315	0.058	118	3.365	0.057	119	3.415	0.055	120	3.465	0.053
121	3.515	0.053	122	3.565	0.053	123	3.615	0.053	124	3.665	0.053
125	3.715	0.053	126	3.765	0.053	127	3.815	0.053	128	3.865	0.053
129	3.915	0.053	130	3.965	0.053	131	4.015	0.053	132	4.065	0.053
133	4.115	0.053	134	4.165	0.053	135	4.215	0.053	136	4.265	0.053
137	4.315	0.053	138	4.365	0.053	139	4.415	0.053	140	4.465	0.053
141	4.515	0.053	142	4.565	0.053	143	4.615	0.053	144	4.665	0.053
145	4.715	0.053	146	4.765	0.053	147	4.815	0.053	148	4.865	0.053
149	4.915	0.053	150	4.965	0.053	151	5.015	0.053	152	5.065	0.053
153	5.115	0.053	154	5.165	0.053	155	5.215	0.053	156	5.265	0.053
157	5.315	0.053	158	5.365	0.053	159	5.415	0.053	160	5.465	0.053
161	5.515	0.053	162	5.565	0.053	163	5.615	0.053	164	5.665	0.053

Sisma X SLD



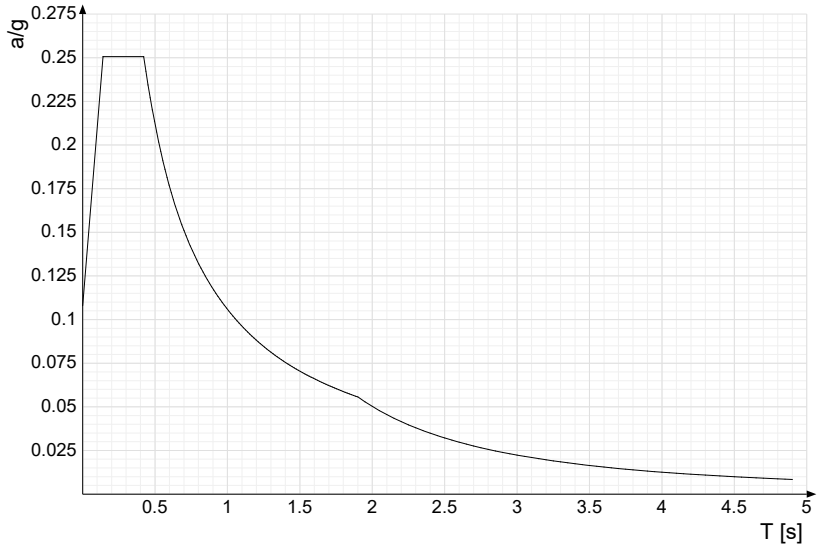
Ind.vertice	T	a/g	Ind.vertice	T	a/g	Ind.vertice	T	a/g	Ind.vertice	T	a/g
1	0	0.134	2	0.17	0.208	3	0.511	0.208	4	0.532	0.2
5	0.554	0.192	6	0.575	0.185	7	0.596	0.178	8	0.618	0.172
9	0.639	0.166	10	0.66	0.161	11	0.682	0.156	12	0.703	0.151
13	0.724	0.147	14	0.746	0.143	15	0.767	0.139	16	0.788	0.135
17	0.81	0.131	18	0.831	0.128	19	0.852	0.125	20	0.874	0.122
21	0.895	0.119	22	0.916	0.116	23	0.938	0.113	24	0.959	0.111
25	0.98	0.108	26	1.002	0.106	27	1.023	0.104	28	1.044	0.102
29	1.065	0.1	30	1.087	0.098	31	1.108	0.096	32	1.129	0.094
33	1.151	0.092	34	1.172	0.091	35	1.193	0.089	36	1.215	0.088
37	1.236	0.086	38	1.257	0.085	39	1.279	0.083	40	1.3	0.082
41	1.321	0.08	42	1.343	0.079	43	1.364	0.078	44	1.385	0.077
45	1.407	0.076	46	1.428	0.074	47	1.449	0.073	48	1.471	0.072
49	1.492	0.071	50	1.513	0.07	51	1.535	0.069	52	1.556	0.068
53	1.577	0.067	54	1.599	0.067	55	1.62	0.066	56	1.641	0.065
57	1.663	0.064	58	1.684	0.063	59	1.705	0.062	60	1.727	0.062
61	1.748	0.061	62	1.769	0.06	63	1.791	0.059	64	1.812	0.059
65	1.833	0.058	66	1.855	0.057	67	1.876	0.057	68	1.897	0.056
69	1.919	0.055	70	1.94	0.055	71	1.961	0.054	72	1.983	0.054
73	2.004	0.053	74	2.025	0.052	75	2.047	0.052	76	2.068	0.051
77	2.089	0.051	78	2.111	0.05	79	2.132	0.05	80	2.153	0.049
81	2.174	0.049	82	2.196	0.048	83	2.217	0.048	84	2.238	0.047
85	2.26	0.047	86	2.281	0.047	87	2.302	0.046	88	2.324	0.046
89	2.345	0.045	90	2.366	0.045	91	2.388	0.045	92	2.409	0.044
93	2.43	0.044	94	2.452	0.043	95	2.473	0.043	96	2.494	0.043
97	2.516	0.042	98	2.537	0.042	99	2.558	0.042	100	2.58	0.041
101	2.601	0.041	102	2.622	0.041	103	2.644	0.04	104	2.665	0.04
105	2.715	0.038	106	2.765	0.037	107	2.815	0.036	108	2.865	0.035
109	2.915	0.033	110	2.965	0.032	111	3.015	0.031	112	3.065	0.03
113	3.115	0.029	114	3.165	0.028	115	3.215	0.027	116	3.265	0.027
117	3.315	0.026	118	3.365	0.025	119	3.415	0.024	120	3.465	0.024
121	3.515	0.023	122	3.565	0.022	123	3.615	0.022	124	3.665	0.021
125	3.715	0.021	126	3.765	0.02	127	3.815	0.02	128	3.865	0.02
129	3.915	0.02	130	3.965	0.02	131	4.015	0.02	132	4.065	0.02
133	4.115	0.02	134	4.165	0.02	135	4.215	0.02	136	4.265	0.02
137	4.315	0.02	138	4.365	0.02	139	4.415	0.02	140	4.465	0.02
141	4.515	0.02	142	4.565	0.02	143	4.615	0.02	144	4.665	0.02
145	4.715	0.02	146	4.765	0.02	147	4.815	0.02	148	4.865	0.02
149	4.915	0.02	150	4.965	0.02	151	5.015	0.02	152	5.065	0.02
153	5.115	0.02	154	5.165	0.02	155	5.215	0.02	156	5.265	0.02
157	5.315	0.02	158	5.365	0.02	159	5.415	0.02	160	5.465	0.02
161	5.515	0.02	162	5.565	0.02	163	5.615	0.02	164	5.665	0.02

Sisma Y SLD



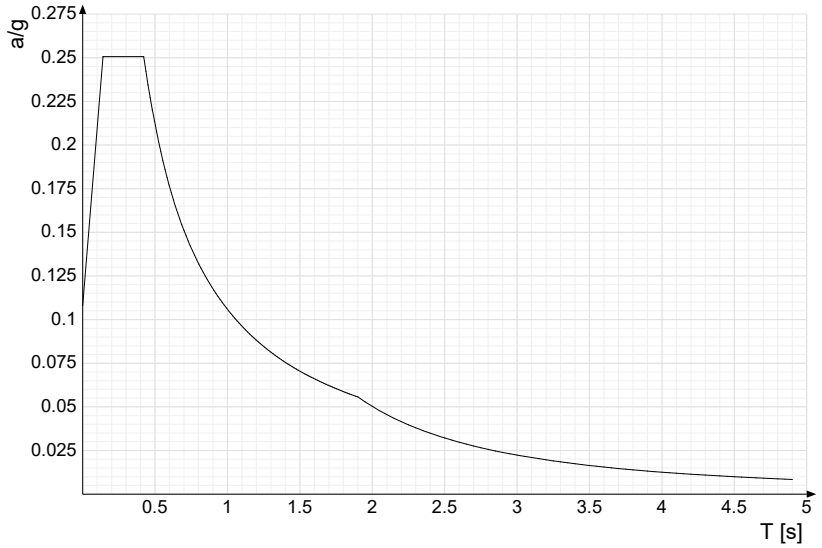
Ind.vertice	T	a/g	Ind.vertice	T	a/g	Ind.vertice	T	a/g	Ind.vertice	T	a/g
1	0	0.134	2	0.17	0.208	3	0.511	0.208	4	0.532	0.2
5	0.554	0.192	6	0.575	0.185	7	0.596	0.178	8	0.618	0.172
9	0.639	0.166	10	0.66	0.161	11	0.682	0.156	12	0.703	0.151
13	0.724	0.147	14	0.746	0.143	15	0.767	0.139	16	0.788	0.135
17	0.81	0.131	18	0.831	0.128	19	0.852	0.125	20	0.874	0.122
21	0.895	0.119	22	0.916	0.116	23	0.938	0.113	24	0.959	0.111
25	0.98	0.108	26	1.002	0.106	27	1.023	0.104	28	1.044	0.102
29	1.065	0.1	30	1.087	0.098	31	1.108	0.096	32	1.129	0.094
33	1.151	0.092	34	1.172	0.091	35	1.193	0.089	36	1.215	0.088
37	1.236	0.086	38	1.257	0.085	39	1.279	0.083	40	1.3	0.082
41	1.321	0.08	42	1.343	0.079	43	1.364	0.078	44	1.385	0.077
45	1.407	0.076	46	1.428	0.074	47	1.449	0.073	48	1.471	0.072
49	1.492	0.071	50	1.513	0.07	51	1.535	0.069	52	1.556	0.068
53	1.577	0.067	54	1.599	0.067	55	1.62	0.066	56	1.641	0.065
57	1.663	0.064	58	1.684	0.063	59	1.705	0.062	60	1.727	0.062
61	1.748	0.061	62	1.769	0.06	63	1.791	0.059	64	1.812	0.059
65	1.833	0.058	66	1.855	0.057	67	1.876	0.057	68	1.897	0.056
69	1.919	0.055	70	1.94	0.055	71	1.961	0.054	72	1.983	0.054
73	2.004	0.053	74	2.025	0.052	75	2.047	0.052	76	2.068	0.051
77	2.089	0.051	78	2.111	0.05	79	2.132	0.05	80	2.153	0.049
81	2.174	0.049	82	2.196	0.048	83	2.217	0.048	84	2.238	0.047
85	2.26	0.047	86	2.281	0.047	87	2.302	0.046	88	2.324	0.046
89	2.345	0.045	90	2.366	0.045	91	2.388	0.045	92	2.409	0.044
93	2.43	0.044	94	2.452	0.043	95	2.473	0.043	96	2.494	0.043
97	2.516	0.042	98	2.537	0.042	99	2.558	0.042	100	2.58	0.041
101	2.601	0.041	102	2.622	0.041	103	2.644	0.04	104	2.665	0.04
105	2.715	0.038	106	2.765	0.037	107	2.815	0.036	108	2.865	0.035
109	2.915	0.033	110	2.965	0.032	111	3.015	0.031	112	3.065	0.03
113	3.115	0.029	114	3.165	0.028	115	3.215	0.027	116	3.265	0.027
117	3.315	0.026	118	3.365	0.025	119	3.415	0.024	120	3.465	0.024
121	3.515	0.023	122	3.565	0.022	123	3.615	0.022	124	3.665	0.021
125	3.715	0.021	126	3.765	0.02	127	3.815	0.02	128	3.865	0.02
129	3.915	0.02	130	3.965	0.02	131	4.015	0.02	132	4.065	0.02
133	4.115	0.02	134	4.165	0.02	135	4.215	0.02	136	4.265	0.02
137	4.315	0.02	138	4.365	0.02	139	4.415	0.02	140	4.465	0.02
141	4.515	0.02	142	4.565	0.02	143	4.615	0.02	144	4.665	0.02
145	4.715	0.02	146	4.765	0.02	147	4.815	0.02	148	4.865	0.02
149	4.915	0.02	150	4.965	0.02	151	5.015	0.02	152	5.065	0.02
153	5.115	0.02	154	5.165	0.02	155	5.215	0.02	156	5.265	0.02
157	5.315	0.02	158	5.365	0.02	159	5.415	0.02	160	5.465	0.02
161	5.515	0.02	162	5.565	0.02	163	5.615	0.02	164	5.665	0.02

Sisma X SLO



Ind.vertice	T	a/g	Ind.vertice	T	a/g	Ind.vertice	T	a/g	Ind.vertice	T	a/g
1	0	0.108	2	0.141	0.251	3	0.422	0.251	4	0.437	0.242
5	0.451	0.234	6	0.466	0.227	7	0.481	0.22	8	0.495	0.214
9	0.51	0.207	10	0.524	0.202	11	0.539	0.196	12	0.554	0.191
13	0.568	0.186	14	0.583	0.181	15	0.598	0.177	16	0.612	0.173
17	0.627	0.169	18	0.642	0.165	19	0.656	0.161	20	0.671	0.158
21	0.685	0.154	22	0.7	0.151	23	0.715	0.148	24	0.729	0.145
25	0.744	0.142	26	0.759	0.139	27	0.773	0.137	28	0.788	0.134
29	0.802	0.132	30	0.817	0.129	31	0.832	0.127	32	0.846	0.125
33	0.861	0.123	34	0.876	0.121	35	0.89	0.119	36	0.905	0.117
37	0.92	0.115	38	0.934	0.113	39	0.949	0.111	40	0.963	0.11
41	0.978	0.108	42	0.993	0.107	43	1.007	0.105	44	1.022	0.104
45	1.037	0.102	46	1.051	0.101	47	1.066	0.099	48	1.081	0.098
49	1.095	0.097	50	1.11	0.095	51	1.124	0.094	52	1.139	0.093
53	1.154	0.092	54	1.168	0.091	55	1.183	0.089	56	1.198	0.088
57	1.212	0.087	58	1.227	0.086	59	1.241	0.085	60	1.256	0.084
61	1.271	0.083	62	1.285	0.082	63	1.3	0.081	64	1.315	0.08
65	1.329	0.08	66	1.344	0.079	67	1.359	0.078	68	1.373	0.077
69	1.388	0.076	70	1.402	0.075	71	1.417	0.075	72	1.432	0.074
73	1.446	0.073	74	1.461	0.072	75	1.476	0.072	76	1.49	0.071
77	1.505	0.07	78	1.52	0.07	79	1.534	0.069	80	1.549	0.068
81	1.563	0.068	82	1.578	0.067	83	1.593	0.066	84	1.607	0.066
85	1.622	0.065	86	1.637	0.065	87	1.651	0.064	88	1.666	0.063
89	1.68	0.063	90	1.695	0.062	91	1.71	0.062	92	1.724	0.061
93	1.739	0.061	94	1.754	0.06	95	1.768	0.06	96	1.783	0.059
97	1.798	0.059	98	1.812	0.058	99	1.827	0.058	100	1.841	0.057
101	1.856	0.057	102	1.871	0.057	103	1.885	0.056	104	1.9	0.056
105	1.95	0.053	106	2	0.05	107	2.05	0.048	108	2.1	0.046
109	2.15	0.043	110	2.2	0.042	111	2.25	0.04	112	2.3	0.038
113	2.35	0.036	114	2.4	0.035	115	2.45	0.033	116	2.5	0.032
117	2.55	0.031	118	2.6	0.03	119	2.65	0.029	120	2.7	0.028
121	2.75	0.027	122	2.8	0.026	123	2.85	0.025	124	2.9	0.024
125	2.95	0.023	126	3	0.022	127	3.05	0.022	128	3.1	0.021
129	3.15	0.02	130	3.2	0.02	131	3.25	0.019	132	3.3	0.018
133	3.35	0.018	134	3.4	0.017	135	3.45	0.017	136	3.5	0.016
137	3.55	0.016	138	3.6	0.016	139	3.65	0.015	140	3.7	0.015
141	3.75	0.014	142	3.8	0.014	143	3.85	0.014	144	3.9	0.013
145	3.95	0.013	146	4	0.013	147	4.05	0.012	148	4.1	0.012
149	4.15	0.012	150	4.2	0.011	151	4.25	0.011	152	4.3	0.011
153	4.35	0.011	154	4.4	0.01	155	4.45	0.01	156	4.5	0.01
157	4.55	0.01	158	4.6	0.009	159	4.65	0.009	160	4.7	0.009
161	4.75	0.009	162	4.8	0.009	163	4.85	0.009	164	4.9	0.008

Sisma Y SLO



Ind.vertice	T	a/g	Ind.vertice	T	a/g	Ind.vertice	T	a/g	Ind.vertice	T	a/g
1	0	0.108	2	0.141	0.251	3	0.422	0.251	4	0.437	0.242
5	0.451	0.234	6	0.466	0.227	7	0.481	0.22	8	0.495	0.214
9	0.51	0.207	10	0.524	0.202	11	0.539	0.196	12	0.554	0.191
13	0.568	0.186	14	0.583	0.181	15	0.598	0.177	16	0.612	0.173
17	0.627	0.169	18	0.642	0.165	19	0.656	0.161	20	0.671	0.158
21	0.685	0.154	22	0.7	0.151	23	0.715	0.148	24	0.729	0.145
25	0.744	0.142	26	0.759	0.139	27	0.773	0.137	28	0.788	0.134
29	0.802	0.132	30	0.817	0.129	31	0.832	0.127	32	0.846	0.125
33	0.861	0.123	34	0.876	0.121	35	0.89	0.119	36	0.905	0.117
37	0.92	0.115	38	0.934	0.113	39	0.949	0.111	40	0.963	0.11
41	0.978	0.108	42	0.993	0.107	43	1.007	0.105	44	1.022	0.104
45	1.037	0.102	46	1.051	0.101	47	1.066	0.099	48	1.081	0.098
49	1.095	0.097	50	1.11	0.095	51	1.124	0.094	52	1.139	0.093
53	1.154	0.092	54	1.168	0.091	55	1.183	0.089	56	1.198	0.088
57	1.212	0.087	58	1.227	0.086	59	1.241	0.085	60	1.256	0.084
61	1.271	0.083	62	1.285	0.082	63	1.3	0.081	64	1.315	0.08
65	1.329	0.08	66	1.344	0.079	67	1.359	0.078	68	1.373	0.077
69	1.388	0.076	70	1.402	0.075	71	1.417	0.075	72	1.432	0.074
73	1.446	0.073	74	1.461	0.072	75	1.476	0.072	76	1.49	0.071
77	1.505	0.07	78	1.52	0.07	79	1.534	0.069	80	1.549	0.068
81	1.563	0.068	82	1.578	0.067	83	1.593	0.066	84	1.607	0.066
85	1.622	0.065	86	1.637	0.065	87	1.651	0.064	88	1.666	0.063
89	1.68	0.063	90	1.695	0.062	91	1.71	0.062	92	1.724	0.061
93	1.739	0.061	94	1.754	0.06	95	1.768	0.06	96	1.783	0.059
97	1.798	0.059	98	1.812	0.058	99	1.827	0.058	100	1.841	0.057
101	1.856	0.057	102	1.871	0.057	103	1.885	0.056	104	1.9	0.056
105	1.95	0.053	106	2	0.05	107	2.05	0.048	108	2.1	0.046
109	2.15	0.043	110	2.2	0.042	111	2.25	0.04	112	2.3	0.038
113	2.35	0.036	114	2.4	0.035	115	2.45	0.033	116	2.5	0.032
117	2.55	0.031	118	2.6	0.03	119	2.65	0.029	120	2.7	0.028
121	2.75	0.027	122	2.8	0.026	123	2.85	0.025	124	2.9	0.024
125	2.95	0.023	126	3	0.022	127	3.05	0.022	128	3.1	0.021
129	3.15	0.02	130	3.2	0.02	131	3.25	0.019	132	3.3	0.018
133	3.35	0.018	134	3.4	0.017	135	3.45	0.017	136	3.5	0.016
137	3.55	0.016	138	3.6	0.016	139	3.65	0.015	140	3.7	0.015
141	3.75	0.014	142	3.8	0.014	143	3.85	0.014	144	3.9	0.013
145	3.95	0.013	146	4	0.013	147	4.05	0.012	148	4.1	0.012
149	4.15	0.012	150	4.2	0.011	151	4.25	0.011	152	4.3	0.011
153	4.35	0.011	154	4.4	0.01	155	4.45	0.01	156	4.5	0.01
157	4.55	0.01	158	4.6	0.009	159	4.65	0.009	160	4.7	0.009
161	4.75	0.009	162	4.8	0.009	163	4.85	0.009	164	4.9	0.008

Comune di Squillace

Provincia di Catanzaro

Piazza Municipio, n° 1, cap 88069, tel. 0961/914020, fax 0961/914019,
e-mail: uff-tecnico-urbanistica@comune.squillace.cz.it, P.I. 00182160796

VERIFICA DELLA VULNERABILITA' SISMICA DELL'EDIFICIO SCOLASTICO "Scuola dell'Infanzia e Primaria via Damiano Assanti n° 15" - codice: 0791420761. CUP: C89F18000240001 - CIG: ZD125C5F65

Oggetto:

FASCICOLO DEI CALCOLI
RISULTATI MODELLO

Elab. n° *REL.03.C*

Scala:

Data: Marzo 2019

Il Responsabile del Procedimento: Arch. Antonio Macaluso

Soggetti incaricati:

Elio CONTE
Architetto
CAPOGRUPPO

SPI SRL
MANDANTE

Ugo Ugati
Geologo
MANDANTE

ORDINE DEGLI ARCHITETTI DELLA PROVINCIA DI CATANZARO — ARCHITETTO ELIO CONTE — ALBO N. 8590

STUDIO PROGETTAZIONI D'INGEGNERIA-SPI s.r.l.

ORDINE DEI GEOLOGI della Regione Campania — dr. geol. UGO UGATI Albo n. 1649

Agg.	*Agg.*	*Agg.*	*Agg.*

R.T.P. CONTE
c/o Arch. Elio Conte, Via Carlo de Marco n° 135, 80137 Napoli - Tel./fax 081 7517736, e-mail: conte.arch.elio@fastwebnet.it

Risultati numerici

Spostamenti nodali estremi

***Nodo**: nodo interessato dallo spostamento.*
***Ind.**: indice del nodo.*
***Cont.**: condizione o combinazione di carico a cui si riferisce lo spostamento.*
***N.br.**: nome breve della condizione o combinazione di carico.*
***Spostamento**: spostamento traslazionale del nodo.*
***ux**: componente X dello spostamento del nodo. [cm]*
***uy**: componente Y dello spostamento del nodo. [cm]*
***uz**: componente Z dello spostamento del nodo. [cm]*
***Rotazione**: spostamento rotazionale del nodo.*
***rx**: componente X della rotazione del nodo. [deg]*
***ry**: componente Y della rotazione del nodo. [deg]*
***rz**: componente Z della rotazione del nodo. [deg]*

Spostamenti nodali con componente Ux minima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
8191	SLV FO 3	-10.73496	0.28569	-0.48226	-0.0527	-0.9779	0.8369
8219	SLV FO 1	-10.67722	-0.05876	-0.43687	0.0074	-1.2093	1.1839
8193	SLV FO 3	-10.63032	0.28501	-0.44884	-0.0528	-0.9774	0.7683
8406	SLV FO 1	-10.6092	-0.07019	-0.44131	0.0253	1.9395	-0.8838
8188	SLV FO 3	-10.43929	0.28644	-0.50432	-0.0525	-1.0844	-0.8022

Spostamenti nodali con componente Ux massima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
8219	SLV FO 15	11.70419	0.00667	-1.17157	-0.0073	1.0253	-1.3023
8406	SLV FO 15	11.47763	0.00631	-1.18172	0.0099	-2.1859	0.8103
8216	SLV FO 15	11.14766	0.0044	-1.15712	0.0028	0.9639	0.5202
8404	SLV FO 15	11.03641	0.0038	-1.16693	-0.0064	-1.6789	0.6126
8309	SLV FO 15	10.99996	0.35119	-1.0978	-0.0862	-0.8514	0.7305

Spostamenti nodali con componente Uy minima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
10906	SLV FO 5	-3.39289	-17.16129	-1.37018	2.3882	1.0964	-13.1988
11085	SLV FO 5	-2.0026	-16.6976	-1.37465	3.6461	1.9389	-10.5751
10687	SLV FO 5	-3.95141	-15.2116	-1.36491	4.654	0.2543	-12.942
11320	SLV FO 5	-0.59843	-14.31736	-1.37834	-4.2439	1.2681	-7.471
11086	SLV FO 5	-2.0027	-12.86443	-1.62463	1.3577	0.696	-10.9106

Spostamenti nodali con componente Uy massima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
10906	SLV FO 11	3.66366	17.06808	-0.39118	-2.3883	-0.7563	13.1887
11085	SLV FO 11	2.27079	16.6044	-0.39131	-3.6458	-1.5495	10.5617
10687	SLV FO 11	4.21583	15.11846	-0.39094	-4.6534	-0.0075	12.9342
11320	SLV FO 11	0.92235	14.2234	-0.39131	4.2459	-0.0333	7.4535
11086	SLV FO 11	2.27082	12.75996	-0.45743	-1.3527	-0.8797	10.8976

Spostamenti nodali con componente Uz minima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
9892	SLV FO 15	1.18224	0.46452	-3.24645	-0.0168	1.594	-0.0026
12624	SLV FO 13	2.32553	-0.07347	-2.00522	-0.0516	0.2732	-0.0449
12302	SLV FO 13	2.19271	0.08051	-1.99119	-0.0134	0.3229	-0.0313
12140	SLV FO 13	2.06002	0.24291	-1.97398	0.044	0.2826	-0.031
11938	SLV FO 13	1.98723	0.43779	-1.958	0.118	0.1247	-0.0331

Spostamenti nodali con componente Uz massima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
9892	SLV FO 1	-0.98193	-0.50063	1.37616	-0.001	-1.6166	0.0065
11326	Y SLV	1.87383	3.33301	0.69898	2.1741	-0.8886	-1.9684
11693	Y SLV	1.65103	1.9207	0.69826	-0.1366	-0.8357	-1.0823
11089	Y SLV	1.7135	6.02392	0.69787	1.4904	1.3122	-1.9138
8632	Y SLV	-0.10725	0.65584	0.69754	-0.1094	-0.1527	-0.7106

Reazioni nodali estreme

***Nodo**: Nodo sollecitato dalla reazione vincolare.*

***Ind.**: indice del nodo.*
***Cont.**: Contesto a cui si riferisce la reazione vincolare.*
***N.br.**: nome breve della condizione o combinazione di carico.*
***Reazione a traslazione**: reazione vincolare traslazionale del nodo.*
***x**: componente X della reazione vincolare del nodo. [daN]*
***y**: componente Y della reazione vincolare del nodo. [daN]*
***z**: componente Z della reazione vincolare del nodo. [daN]*
***Reazione a rotazione**: reazione vincolare rotazionale del nodo.*
***x**: componente X della reazione a rotazione del nodo. [daN*cm]*
***y**: componente Y della reazione a rotazione del nodo. [daN*cm]*
***z**: componente Z della reazione a rotazione del nodo. [daN*cm]*

Reazioni Fx minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
6520	SLV FO 13	-93215	-1763	35114	-27823	-280698	-393992
6525	SLV FO 13	-86773	48214	18889	-14820	-1110774	2041603
6521	SLV FO 13	-53393	-2373	37600	-25379	380185	110875
6409	SLV FO 15	-45032	-230	36946	51096	343974	286071
6401	SLV FO 15	-36092	-31418	18435	205174	-958441	-870760

Reazioni Fx massime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
6520	SLV FO 3	78118	1022	28091	19533	-143554	211960
6525	SLV FO 3	71860	-26152	17277	10146	-998714	-1105011
6521	SLV FO 3	46202	1753	25261	17459	327177	-52949
6409	SLV FO 1	33553	448	30282	-31909	417995	-608426
7156	SLV FO 1	28177	8842	14855	-650413	155953	948376

Reazioni Fy minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
6525	SLV FO 7	31092	-85455	17563	61606	-1021441	-3595134
6401	SLV FO 11	-18132	-49123	17122	231838	-879578	-1854064
7050	SLV FO 7	3046	-40398	19625	29131	798652	1357705
7053	SLV FO 11	-12245	-36255	53068	-21336	-58290	-153709
7054	SLV FO 7	5877	-27174	51956	-35898	6083	17016

Reazioni Fy massime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
6525	SLV FO 9	-46006	107518	18602	-66280	-1088046	4531725
6401	SLV FO 5	8554	71655	20379	144793	-1045675	2875592
7050	SLV FO 9	-3493	47588	12939	-30228	532323	-1598520
7053	SLV FO 5	7134	39189	52996	-202260	-54986	165091
7054	SLV FO 9	-7990	28830	52091	-240054	2331	-17132

Reazioni Fz minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
76	X SLV	612	669	-13588	195009	299977	14703
94	X SLV	806	595	-10200	85480	84058	6764
85	X SLV	326	425	-8265	13892	-9202	1267
6900	Y SLV	-243	-12525	-8031	-23033	8408	-4635
6872	Y SLV	644	-9276	-7889	7232	5193	23353

Reazioni Fz massime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
7053	SLU 30	-3615	1941	74324	-158618	-81464	7854
7054	SLU 30	-1519	945	73183	-195953	6227	63
230	SLU 30	2146	-668	51062	92497	128990	-3560
130	SLU 30	991	1051	46387	64238	134999	-1140
6409	SLU 30	-7676	267	46331	12907	525330	-212499

Pressioni massime sul terreno

***Nodo**: Nodo che interagisce col terreno.*
***Ind.**: indice del nodo.*
***Pressione minima**: situazione in cui si verifica la pressione minima nel nodo.*
***Cont.**: nome breve della condizione o combinazione di carico a cui si riferisce la pressione minima.*
***uz**: spostamento massimo verticale del nodo. [cm]*
***Valore**: pressione minima sul terreno del nodo. [daN/cm²]*
***Pressione massima**: situazione in cui si verifica la pressione massima nel nodo.*
***Cont.**: nome breve della condizione o combinazione di carico a cui si riferisce la pressione massima.*
***uz**: spostamento minimo verticale del nodo. [cm]*
***Valore**: pressione massima sul terreno del nodo. [daN/cm²]*

Compressione estrema massima -4.72509 al nodo di indice 4874, di coordinate x = 5599, y = 3543, z = -125, nel contesto SLV fondazioni 9.
Spostamento estremo minimo -1.57503 al nodo di indice 4874, di coordinate x = 5599, y = 3543, z = -125, nel contesto SLV fondazioni 9.

Spostamento estremo massimo 0.03663 al nodo di indice 4934, di coordinate x = 5884, y = 4585, z = -125, nel contesto SLV fondazioni 9.

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2	SLV FO 5	-1.06155	-3.18465	SLV FO 11	-0.44702	-1.34107
3	SLV FO 5	-1.066	-3.19799	SLV FO 11	-0.45845	-1.37536
4	SLV FO 5	-1.07048	-3.21144	SLV FO 11	-0.46986	-1.40958
5	SLV FO 5	-1.07493	-3.22478	SLV FO 11	-0.48124	-1.44371
6	SLV FO 5	-1.07925	-3.23774	SLV FO 11	-0.49254	-1.47761
7	SLV FO 5	-1.08335	-3.25004	SLV FO 11	-0.5037	-1.51109
8	SLV FO 5	-1.08717	-3.26151	SLV FO 11	-0.5146	-1.54381
9	SLU 30	-1.09471	-3.28412	SLV FO 11	-0.52511	-1.57532
10	SLU 30	-1.10369	-3.31107	SLV FO 11	-0.53488	-1.60463
11	SLU 30	-1.11214	-3.33641	SLV FO 7	-0.54279	-1.62838
12	SLU 30	-1.12005	-3.36015	SLV FO 7	-0.54599	-1.63796
13	SLU 30	-1.12747	-3.38242	SLV FO 7	-0.54516	-1.63549
14	SLU 30	-1.13448	-3.40344	SLV FO 7	-0.54294	-1.62881
15	SLV FO 9	-1.14446	-3.43339	SLV FO 7	-0.54012	-1.62037
16	SLV FO 9	-1.15719	-3.47157	SLV FO 7	-0.537	-1.61101
17	SLV FO 9	-1.16997	-3.50991	SLV FO 7	-0.53372	-1.60116
18	SLV FO 9	-1.151	-3.453	SLV FO 7	-0.53906	-1.61718
19	SLV FO 5	-1.02343	-3.07028	SLV FO 11	-0.44243	-1.32728
20	SLU 30	-1.13663	-3.40989	SLV FO 7	-0.54448	-1.63344
21	SLV FO 5	-0.98538	-2.95613	SLV FO 11	-0.43784	-1.31353
22	SLU 30	-1.12815	-3.38444	SLV FO 7	-0.55006	-1.65018
23	SLV FO 5	-0.94744	-2.84233	SLV FO 11	-0.43326	-1.29979
24	SLU 30	-1.11993	-3.35979	SLV FO 7	-0.55584	-1.66753
25	SLV FO 5	-0.9097	-2.7291	SLV FO 11	-0.42866	-1.28598
26	SLU 30	-1.11202	-3.33606	SLV FO 7	-0.56186	-1.68559
27	SLU 30	-0.88088	-2.64264	SLV FO 11	-0.424	-1.27201
28	SLU 30	-1.10444	-3.31331	SLV FO 7	-0.56813	-1.7044
29	SLU 30	-0.85333	-2.56	SLV FO 11	-0.4193	-1.25789
30	SLU 30	-1.09718	-3.29154	SLV FO 7	-0.57465	-1.72395
31	SLU 30	-0.82665	-2.47995	SLV FO 11	-0.41459	-1.24378
32	SLU 30	-1.09022	-3.27067	SLV FO 7	-0.58138	-1.74415
33	SLU 30	-0.80151	-2.40453	SLV FO 11	-0.41004	-1.23012
34	SLU 30	-1.08351	-3.25054	SLV FO 7	-0.58829	-1.76486
35	SLU 30	-0.77869	-2.33607	SLV FO 11	-0.40588	-1.21763
36	SLU 30	-0.80511	-2.41532	SLV FO 11	-0.43244	-1.29731
37	SLU 30	-0.83244	-2.49732	SLV FO 11	-0.45972	-1.37916
38	SLU 30	-0.85866	-2.57599	SLV FO 11	-0.48545	-1.45635
39	SLU 30	-0.88361	-2.65082	SLV FO 11	-0.50931	-1.52793
40	SLU 30	-0.91459	-2.74376	SLV FO 11	-0.53767	-1.61301
41	SLU 30	-0.9427	-2.82811	SLV FO 7	-0.55928	-1.67783
42	SLU 30	-0.96243	-2.88728	SLV FO 7	-0.56892	-1.70677
43	SLU 30	-0.98092	-2.94275	SLV FO 7	-0.57589	-1.72767
44	SLU 30	-0.99832	-2.99496	SLV FO 7	-0.58124	-1.74371
45	SLU 30	-1.01488	-3.04464	SLV FO 7	-0.58536	-1.75609
46	SLU 30	-1.03082	-3.09246	SLV FO 7	-0.58857	-1.76572
47	SLU 30	-1.04636	-3.13909	SLV FO 7	-0.59113	-1.7734
48	SLU 30	-1.06169	-3.18508	SLV FO 7	-0.5933	-1.7799
49	SLU 30	-1.07694	-3.23083	SLV FO 7	-0.59528	-1.78584
50	SLU 30	-0.9347	-2.80409	SLV FO 7	-0.55727	-1.6718
51	SLU 30	-0.75678	-2.27035	SLV FO 11	-0.40207	-1.2062
52	SLU 30	-0.92676	-2.78029	SLV FO 7	-0.55484	-1.66453
53	SLU 30	-0.66181	-1.98542	SLV FO 15	-0.31126	-0.93379
54	SLU 30	-0.7379	-2.21369	SLV FO 11	-0.39982	-1.19946
55	SLU 30	-0.91896	-2.75689	SLV FO 7	-0.55219	-1.65657
56	SLU 30	-0.72422	-2.17265	SLV FO 11	-0.39976	-1.19928
57	SLU 30	-0.91068	-2.73204	SLV FO 7	-0.54905	-1.64716
59	SLV FO 1	-0.65123	-1.95368	SLV FO 15	-0.20746	-0.62239
60	SLU 30	-0.71535	-2.14605	SLV FO 11	-0.40193	-1.20579
61	SLU 30	-0.90321	-2.70962	SLV FO 7	-0.54621	-1.63862
63	SLU 30	-0.71059	-2.13176	SLV FO 11	-0.40622	-1.21867
64	SLU 30	-0.89596	-2.68789	SLV FO 7	-0.54337	-1.63011
66	SLV FO 1	-0.69913	-2.09739	SLV FO 15	-0.12163	-0.3649
67	SLU 30	-0.70889	-2.12668	SLV FO 11	-0.41134	-1.23401
68	SLU 30	-0.74114	-2.22342	SLV FO 11	-0.44033	-1.32099
70	SLU 30	-0.77596	-2.32788	SLV FO 11	-0.47053	-1.4116
71	SLU 30	-0.80567	-2.417	SLV FO 7	-0.49293	-1.47879
72	SLU 30	-0.83431	-2.50294	SLV FO 7	-0.50981	-1.52942
73	SLU 30	-0.86232	-2.58697	SLV FO 7	-0.52564	-1.57693
74	SLU 30	-0.88887	-2.66661	SLV FO 7	-0.54055	-1.62166
75	SLU 30	-0.89009	-2.67027	SLV FO 7	-0.54124	-1.62371
76	SLV FO 1	-0.69125	-2.07375	SLV FO 15	-0.12674	-0.38022
77	SLU 30	-0.60044	-1.80133	SLV FO 15	-0.27535	-0.82606
78	SLU 30	-0.7086	-2.12579	SLV FO 11	-0.41256	-1.23769
79	SLU 30	-0.73988	-2.21963	SLV FO 11	-0.44583	-1.33749
81	SLU 30	-0.73875	-2.21626	SLV FO 11	-0.45142	-1.35426
83	SLU 30	-0.73747	-2.21242	SLV FO 11	-0.45684	-1.37053
85	SLV FO 1	-0.64683	-1.94048	SLV FO 15	-0.14826	-0.44479
86	SLU 30	-0.73586	-2.20757	SLV FO 11	-0.46188	-1.38564
88	SLU 30	-0.73385	-2.20156	SLV FO 11	-0.46627	-1.39881
90	SLU 30	-0.73151	-2.19454	SLV FO 7	-0.46966	-1.40897
92	SLU 30	-0.72899	-2.18697	SLV FO 7	-0.47215	-1.41646
94	SLV FO 1	-0.6001	-1.8003	SLV FO 15	-0.18298	-0.54893
95	SLU 30	-0.55998	-1.67994	SLV FO 15	-0.2674	-0.80219
96	SLU 30	-0.62309	-1.86927	SLV FO 15	-0.38313	-1.14939
97	SLU 30	-0.72653	-2.17958	SLV FO 7	-0.4743	-1.42291
98	SLU 30	-0.73103	-2.1931	SLV FO 7	-0.47685	-1.43056
99	SLU 30	-0.72441	-2.17323	SLV FO 7	-0.47638	-1.42913
101	SLU 30	-0.72246	-2.16738	SLV FO 7	-0.47837	-1.4351
103	SLU 30	-0.72056	-2.16168	SLV FO 7	-0.48018	-1.44055
105	SLV FO 1	-0.56395	-1.69185	SLV FO 15	-0.21264	-0.63793
106	SLU 30	-0.71866	-2.15598	SLV FO 7	-0.48178	-1.44533
108	SLU 30	-0.7168	-2.15039	SLV FO 7	-0.48316	-1.44947
110	SLU 30	-0.71508	-2.14524	SLU 1	-0.48259	-1.44776
112	SLU 30	-0.54428	-1.63283	SLV FO 15	-0.2485	-0.74549
113	SLU 30	-0.5572	-1.67161	SLV FO 15	-0.31292	-0.93877
114	SLU 30	-0.61566	-1.84699	SLV FO 15	-0.41051	-1.23153
115	SLU 30	-0.71371	-2.14113	SLU 1	-0.48136	-1.44408
116	SLU 30	-0.71799	-2.15397	SLU 1	-0.4843	-1.4529
117	SLU 30	-0.71284	-2.13851	SLU 1	-0.48047	-1.44141

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
119	SLU 30	-0.71234	-2.13703	SLU 1	-0.47985	-1.43955
121	SLU 30	-0.71204	-2.13613	SLU 1	-0.47938	-1.43814
123	SLU 30	-0.55517	-1.6655	SLV FO 15	-0.29108	-0.87324
124	SLU 30	-0.71183	-2.13548	SLU 1	-0.47898	-1.43695
126	SLU 30	-0.71167	-2.13501	SLU 1	-0.47865	-1.43594
128	SLU 30	-0.71161	-2.13484	SLU 1	-0.4784	-1.4352
130	SLU 30	-0.59346	-1.78038	SLV FO 15	-0.34093	-1.0228
131	SLV FO 5	-0.42858	-1.28573	SLV FO 11	-0.17151	-0.51453
132	SLU 30	-0.46692	-1.40075	SLV FO 15	-0.2493	-0.74791
133	SLV FO 5	-0.60558	-1.81674	SLV FO 11	-0.10416	-0.31249
134	SLV FO 5	-0.49711	-1.49134	SLV FO 11	-0.13443	-0.4033
135	SLU 30	-0.42218	-1.26653	SLV FO 11	-0.21167	-0.635
136	SLU 30	-0.53101	-1.59303	SLV FO 15	-0.28985	-0.86954
137	SLU 30	-0.61824	-1.85473	SLV FO 15	-0.38439	-1.15318
138	SLU 30	-0.65215	-1.95646	SLU 1	-0.4327	-1.29811
139	SLU 30	-0.71177	-2.13532	SLU 1	-0.47832	-1.43497
140	SLU 30	-0.71443	-2.1433	SLV FO 3	-0.48013	-1.44039
141	SLU 30	-0.71229	-2.13686	SLU 1	-0.47851	-1.43552
143	SLU 30	-0.713	-2.13901	SLU 1	-0.47885	-1.43656
145	SLU 30	-0.71376	-2.14129	SLU 1	-0.47925	-1.43775
147	SLU 30	-0.6589	-1.9767	SLV FO 15	-0.3915	-1.17449
148	SLV FO 1	-0.5875	-1.76251	SLV FO 15	-0.18751	-0.56252
149	SLU 30	-0.30441	-0.91322	SLV FO 11	-0.13805	-0.41414
150	SLU 30	-0.34074	-1.02222	SLV FO 15	-0.19043	-0.57129
151	SLU 30	-0.7145	-2.14351	SLU 1	-0.47965	-1.43894
153	SLU 30	-0.71523	-2.1457	SLU 1	-0.48005	-1.44015
155	SLU 30	-0.71605	-2.14816	SLU 1	-0.48052	-1.44157
157	SLU 29	-0.59572	-1.78717	SLV FO 15	-0.24933	-0.74799
158	SLU 30	-0.72784	-2.18353	SLV FO 15	-0.43356	-1.30069
159	SLU 30	-0.68228	-2.04685	SLU 1	-0.44046	-1.32137
160	SLU 30	-0.67789	-2.03368	SLU 1	-0.44677	-1.34031
161	SLU 30	-0.71716	-2.15148	SLU 1	-0.48119	-1.44357
162	SLU 30	-0.7191	-2.15731	SLV FO 3	-0.48245	-1.44734
163	SLU 30	-0.22345	-0.67034	SLV FO 11	-0.1137	-0.3411
164	SLU 30	-0.25564	-0.76693	SLV FO 15	-0.15041	-0.45124
165	SLU 30	-0.71872	-2.15615	SLU 1	-0.48216	-1.44648
167	SLU 30	-0.72054	-2.16162	SLU 1	-0.48331	-1.44992
169	SLU 30	-0.72242	-2.16726	SLU 1	-0.48449	-1.45348
171	SLU 30	-0.75517	-2.26552	SLV FO 15	-0.45077	-1.35231
172	SLU 29	-0.60729	-1.82186	SLV FO 15	-0.27911	-0.83734
173	SLU 30	-0.19964	-0.59891	SLV FO 11	-0.11424	-0.34271
174	SLU 30	-0.23718	-0.71153	SLV FO 11	-0.1402	-0.42061
175	SLU 30	-0.72425	-2.17276	SLU 1	-0.48565	-1.45694
177	SLU 30	-0.72603	-2.1781	SLU 1	-0.48676	-1.46029
179	SLU 30	-0.72784	-2.18352	SLU 1	-0.48789	-1.46368
181	SLU 30	-0.7384	-2.2152	SLV FO 15	-0.44444	-1.33331
182	SLU 30	-0.69299	-2.07896	SLU 1	-0.44682	-1.34047
183	SLU 30	-0.68932	-2.06795	SLU 1	-0.45378	-1.36133
184	SLU 30	-0.72987	-2.18961	SLU 1	-0.48916	-1.46749
185	SLU 30	-0.73187	-2.19561	SLU 1	-0.49083	-1.47248
186	SLU 29	-0.58414	-1.75242	SLV FO 13	-0.25918	-0.77755
187	SLU 30	-0.23279	-0.69837	SLV FO 15	-0.13552	-0.40655
188	SLU 30	-0.28372	-0.85117	SLV FO 11	-0.16722	-0.50166
189	SLU 30	-0.73243	-2.19728	SLU 1	-0.49077	-1.47232
191	SLU 30	-0.73518	-2.20553	SLU 1	-0.49251	-1.47752
193	SLU 30	-0.73785	-2.21355	SLU 1	-0.49419	-1.48256
195	SLU 30	-0.67365	-2.02095	SLV FO 15	-0.41201	-1.23602
196	SLV FO 3	-0.53688	-1.61063	SLV FO 13	-0.1954	-0.58621
197	SLU 30	-0.3032	-0.9096	SLV FO 13	-0.1689	-0.50671
198	SLU 30	-0.36893	-1.1068	SLV FO 15	-0.21456	-0.64367
199	SLU 30	-0.7403	-2.22089	SLU 1	-0.49572	-1.48717
201	SLU 30	-0.74245	-2.22735	SLU 1	-0.49708	-1.49123
203	SLU 30	-0.74434	-2.23301	SLV FO 5	-0.49628	-1.48883
205	SLU 30	-0.7239	-2.17171	SLU 1	-0.48349	-1.45046
207	SLU 30	-0.74608	-2.23825	SLV FO 5	-0.49421	-1.48264
208	SLU 30	-0.74855	-2.24564	SLV FO 5	-0.49528	-1.48584
209	SLU 30	-0.76814	-2.30441	SLV FO 5	-0.50428	-1.51285
210	SLU 30	-0.78749	-2.36246	SLV FO 5	-0.51408	-1.54223
211	SLU 30	-0.80674	-2.42023	SLV FO 1	-0.52244	-1.56732
212	SLU 30	-0.82587	-2.47761	SLV FO 1	-0.5308	-1.59239
213	SLU 30	-0.84488	-2.53465	SLV FO 1	-0.5394	-1.6182
214	SLU 30	-0.86353	-2.59059	SLV FO 1	-0.54802	-1.64407
215	SLU 30	-0.88163	-2.6449	SLV FO 1	-0.55652	-1.66957
216	SLU 30	-0.89909	-2.69727	SLV FO 1	-0.56481	-1.69443
217	SLU 30	-0.91584	-2.74753	SLV FO 1	-0.57285	-1.71855
218	SLU 30	-0.9319	-2.7957	SLV FO 1	-0.58066	-1.74198
219	SLU 30	-0.94731	-2.84192	SLV FO 1	-0.58828	-1.76484
220	SLU 30	-0.96216	-2.88648	SLV FO 1	-0.59579	-1.78736
221	SLU 30	-0.97657	-2.92972	SLV FO 1	-0.60326	-1.80979
222	SLU 30	-0.9907	-2.97211	SLV FO 1	-0.61081	-1.83242
223	SLU 30	-1.00471	-3.01414	SLV FO 1	-0.6185	-1.8555
224	SLU 30	-1.01878	-3.05634	SLV FO 1	-0.62641	-1.87924
225	SLU 30	-1.03306	-3.09917	SLV FO 1	-0.63459	-1.90376
226	SLU 30	-1.04543	-3.13629	SLV FO 1	-0.64173	-1.92519
227	SLU 30	-1.04768	-3.14304	SLV FO 1	-0.64303	-1.9291
228	SLU 30	-0.36786	-1.10359	SLV FO 13	-0.18183	-0.54548
229	SLU 30	-0.43642	-1.30926	SLV FO 15	-0.24889	-0.74667
230	SLU 30	-0.61566	-1.84698	SLV FO 15	-0.3811	-1.1433
231	SLV FO 3	-0.5207	-1.5621	SLV FO 13	-0.12017	-0.36052
232	SLV FO 3	-0.40885	-1.22656	SLV FO 13	-0.15058	-0.45173
233	SLU 30	-0.37546	-1.12637	SLV FO 13	-0.20981	-0.62943
234	SLU 30	-0.5273	-1.58191	SLV FO 15	-0.30741	-0.92223
235	SLU 30	-0.65235	-1.95704	SLU 1	-0.42754	-1.28263
236	SLU 30	-0.68966	-2.06897	SLU 1	-0.45785	-1.37355
237	SLU 30	-0.74866	-2.24597	SLV FO 5	-0.49515	-1.48544
238	SLU 30	-0.72549	-2.17647	SLV FO 5	-0.48266	-1.44798
240	SLU 30	-1.04012	-3.12036	SLV FO 1	-0.64473	-1.9342
242	SLU 30	-0.72716	-2.18149	SLV FO 5	-0.4804	-1.44121
244	SLU 30	-1.03491	-3.10474	SLV FO 1	-0.64778	-1.94333
246	SLU 30	-0.72887	-2.18661	SLV FO 5	-0.4779	-1.43369

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
248	SLU 30	-1.02987	-3.08962	SLV FO 1	-0.65088	-1.95263
250	SLU 30	-0.73055	-2.19165	SLV FO 5	-0.47528	-1.42585
252	SLU 30	-1.02503	-3.0751	SLV FO 1	-0.65403	-1.96208
254	SLU 30	-0.78845	-2.36536	SLV FO 5	-0.51273	-1.53818
255	SLV FO 7	-0.41245	-1.23734	SLV FO 9	-0.15206	-0.45617
256	SLU 30	-0.44879	-1.34637	SLV FO 13	-0.22448	-0.67345
257	SLU 30	-0.59148	-1.77445	SLV FO 13	-0.3603	-1.08089
258	SLU 30	-0.73212	-2.19637	SLV FO 5	-0.47271	-1.41813
260	SLU 30	-1.02043	-3.06128	SLV FO 1	-0.65721	-1.97162
262	SLU 30	-0.73343	-2.20029	SLV FO 5	-0.4703	-1.4109
264	SLU 30	-1.0161	-3.0483	SLV FO 1	-0.66039	-1.98117
266	SLU 30	-0.73424	-2.20271	SLV FO 5	-0.46816	-1.40447
268	SLU 30	-1.01212	-3.03636	SLV FO 1	-0.66357	-1.99071
270	SLU 30	-0.73421	-2.20262	SLV FO 5	-0.46632	-1.39897
272	SLU 30	-1.00861	-3.02582	SLV FO 1	-0.66677	-2.0003
273	SLU 30	-1.01858	-3.05573	SLV FO 1	-0.67373	-2.02119
274	SLU 30	-0.77049	-2.31148	SLV FO 5	-0.49534	-1.48601
275	SLU 30	-0.60581	-1.81743	SLV FO 13	-0.34406	-1.03218
277	SLU 30	-1.00605	-3.01814	SLV FO 1	-0.66951	-2.00852
278	SLU 30	-1.01586	-3.04758	SLV FO 1	-0.67637	-2.0291
279	SLV FO 7	-0.51796	-1.55388	SLV FO 9	-0.06406	-0.19218
280	SLV FO 7	-0.48937	-1.46811	SLV FO 9	-0.11197	-0.33592
281	SLV FO 3	-0.50411	-1.51233	SLV FO 13	-0.16697	-0.50091
282	SLU 30	-0.61049	-1.83147	SLV FO 13	-0.35295	-1.05886
283	SLU 30	-0.65431	-1.96294	SLV FO 9	-0.40623	-1.21868
284	SLU 30	-0.733	-2.19899	SLV FO 5	-0.46478	-1.39435
286	SLU 30	-0.73879	-2.21638	SLV FO 5	-0.46816	-1.40449
287	SLU 30	-1.00373	-3.01118	SLV FO 1	-0.67228	-2.01684
288	SLU 30	-1.01339	-3.04016	SLV FO 1	-0.67904	-2.03711
289	SLU 30	-0.73078	-2.19235	SLV FO 5	-0.46305	-1.38914
291	SLU 30	-1.01067	-3.03202	SLV FO 1	-0.6825	-2.04751
292	SLU 30	-0.72738	-2.18213	SLV FO 5	-0.46144	-1.38432
294	SLU 30	-0.76632	-2.29896	SLV FO 5	-0.49305	-1.47915
295	SLU 30	-1.00842	-3.02526	SLV FO 1	-0.68583	-2.0575
296	SLU 30	-0.72349	-2.17047	SLV FO 5	-0.46071	-1.38212
299	SLV FO 7	-0.64046	-1.92138	SLV FO 9	-0.11129	-0.33387
300	SLU 30	-0.60745	-1.82235	SLV FO 9	-0.2845	-0.8535
301	SLU 30	-1.00646	-3.01938	SLU 1	-0.68619	-2.05858
302	SLU 30	-0.72053	-2.1616	SLV FO 5	-0.46107	-1.3832
304	SLV FO 7	-0.51373	-1.54118	SLV FO 9	-0.22895	-0.68686
305	SLV FO 1	-0.22708	-0.68125	SLV FO 15	-0.09755	-0.29266
306	SLU 30	-0.71792	-2.15376	SLV FO 5	-0.46217	-1.3865
308	SLU 30	-1.00471	-3.01412	SLU 1	-0.685	-2.05501
309	SLV FO 7	-0.50216	-1.50647	SLV FO 9	-0.21736	-0.65208
310	SLU 30	-0.34376	-1.03128	SLV FO 9	-0.19057	-0.5717
311	SLV FO 1	-0.21846	-0.65537	SLV FO 15	-0.09525	-0.28575
312	SLU 30	-0.7158	-2.14741	SLV FO 9	-0.46144	-1.38432
314	SLU 30	-1.00314	-3.00943	SLU 1	-0.68391	-2.05172
315	SLU 30	-0.71442	-2.14326	SLV FO 9	-0.46041	-1.38122
317	SLU 30	-0.71344	-2.14032	SLV FO 9	-0.46016	-1.38047
319	SLU 30	-0.72727	-2.18181	SLV FO 9	-0.47729	-1.43186
320	SLU 30	-0.72881	-2.18642	SLV FO 9	-0.47919	-1.43756
321	SLU 30	-0.74099	-2.22296	SLV FO 9	-0.49344	-1.48031
322	SLU 30	-0.75323	-2.2597	SLV FO 5	-0.50497	-1.5149
323	SLU 30	-0.76596	-2.29787	SLV FO 5	-0.51423	-1.54269
324	SLU 30	-0.77982	-2.33946	SLV FO 5	-0.52389	-1.57168
325	SLU 30	-0.79428	-2.38285	SLV FO 5	-0.53387	-1.60162
326	SLU 30	-0.80905	-2.42716	SLV FO 5	-0.54406	-1.63219
327	SLU 30	-0.82389	-2.47166	SLV FO 5	-0.55438	-1.66314
328	SLU 30	-0.83861	-2.51584	SLV FO 1	-0.5643	-1.69289
329	SLU 30	-0.85312	-2.55937	SLV FO 1	-0.57212	-1.71637
330	SLU 30	-0.86741	-2.60224	SLV FO 1	-0.58074	-1.74221
331	SLU 30	-0.87988	-2.63965	SLV FO 1	-0.5889	-1.76669
332	SLU 30	-0.89272	-2.67815	SLV FO 1	-0.59832	-1.79496
333	SLU 30	-0.90932	-2.72795	SLV FO 1	-0.61184	-1.83552
334	SLU 30	-0.92768	-2.78303	SLV FO 1	-0.62795	-1.88384
335	SLU 30	-0.94797	-2.84392	SLU 1	-0.64572	-1.93715
336	SLU 30	-0.96522	-2.89567	SLU 1	-0.65766	-1.97297
337	SLU 30	-0.98328	-2.94985	SLU 1	-0.67014	-2.01042
338	SLU 30	-1.00179	-3.00538	SLU 1	-0.68292	-2.04877
339	SLV FO 7	-0.44684	-1.34053	SLV FO 9	-0.17188	-0.51563
340	SLV FO 7	-0.44684	-1.34051	SLV FO 9	-0.17187	-0.51562
341	SLV FO 7	-0.46445	-1.39335	SLV FO 9	-0.20582	-0.61747
342	SLU 30	-0.62832	-1.88496	SLV FO 9	-0.37221	-1.11664
344	SLU 30	-0.72791	-2.18374	SLV FO 9	-0.47939	-1.43817
345	SLU 30	-0.72609	-2.17828	SLV FO 9	-0.47756	-1.43269
347	SLU 30	-1.00053	-3.00159	SLU 1	-0.68198	-2.04595
348	SLU 30	-0.87525	-2.62576	SLV FO 5	-0.58803	-1.76409
349	SLV FO 1	-0.17707	-0.53122	SLV FO 15	-0.08483	-0.25449
350	SLU 30	-0.72486	-2.17458	SLV FO 9	-0.47787	-1.43362
352	SLU 30	-0.9992	-2.99761	SLU 1	-0.68099	-2.04296
353	SLU 30	-0.88274	-2.64821	SLV FO 5	-0.58995	-1.76986
354	SLU 30	-0.72392	-2.17176	SLV FO 9	-0.47807	-1.43422
356	SLU 30	-0.99749	-2.99248	SLU 1	-0.67972	-2.03917
357	SLU 30	-0.88952	-2.66857	SLV FO 5	-0.59124	-1.77372
358	SLU 30	-0.72359	-2.17076	SLV FO 13	-0.47493	-1.4248
360	SLU 30	-0.9951	-2.98531	SLU 1	-0.67801	-2.03403
361	SLU 30	-0.89537	-2.68611	SLV FO 5	-0.59166	-1.77497
362	SLU 30	-0.72408	-2.17224	SLV FO 13	-0.46994	-1.40983
364	SLU 30	-0.99177	-2.9753	SLU 1	-0.67569	-2.02706
365	SLV FO 7	-0.33598	-1.00795	SLV FO 9	-0.10762	-0.32287
366	SLU 30	-0.90012	-2.70036	SLV FO 5	-0.59099	-1.77296
367	SLV FO 3	-0.15582	-0.46745	SLV FO 13	-0.07556	-0.22667
368	SLU 30	-0.7255	-2.17649	SLV FO 13	-0.46565	-1.39695
370	SLU 30	-0.98725	-2.96175	SLU 1	-0.67261	-2.01784
371	SLU 30	-0.90368	-2.71105	SLV FO 9	-0.58882	-1.76646
372	SLU 30	-0.7278	-2.1834	SLV FO 13	-0.46193	-1.3858
374	SLU 30	-0.98134	-2.94402	SLV FO 9	-0.66397	-1.99191
375	SLU 30	-0.90604	-2.71813	SLV FO 9	-0.58429	-1.75288
376	SLU 30	-0.73087	-2.19262	SLV FO 13	-0.45863	-1.3759

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
378	SLU 30	-0.97386	-2.92157	SLV FO 9	-0.65281	-1.95843
379	SLU 30	-0.90726	-2.72177	SLV FO 9	-0.57778	-1.73333
380	SLU 30	-0.73454	-2.20362	SLV FO 13	-0.45559	-1.36676
382	SLU 30	-0.96467	-2.894	SLV FO 9	-0.63998	-1.91993
383	SLU 30	-0.90747	-2.72241	SLV FO 9	-0.57015	-1.71045
384	SLV FO 3	-0.1647	-0.49409	SLV FO 13	-0.06768	-0.20305
385	SLV FO 11	-0.25971	-0.77914	SLV FO 5	-0.04722	-0.14167
386	SLV FO 7	-0.20071	-0.60213	SLV FO 9	-0.06204	-0.18611
387	SLU 30	-0.73862	-2.21585	SLV FO 13	-0.45264	-1.35791
389	SLU 30	-0.95217	-2.8565	SLV FO 9	-0.62454	-1.87363
391	SLU 30	-0.95372	-2.86116	SLV FO 9	-0.62539	-1.87617
392	SLU 30	-0.95363	-2.86089	SLV FO 9	-0.62534	-1.87602
393	SLU 30	-0.95708	-2.87123	SLV FO 9	-0.6272	-1.88159
394	SLU 30	-0.96007	-2.8802	SLV FO 9	-0.6287	-1.88611
395	SLU 30	-0.96243	-2.88728	SLV FO 9	-0.62972	-1.88916
396	SLU 30	-0.96411	-2.89232	SLV FO 9	-0.63017	-1.8905
397	SLU 30	-0.96512	-2.89536	SLV FO 9	-0.63003	-1.89008
398	SLU 30	-0.96553	-2.8966	SLV FO 9	-0.6293	-1.88791
399	SLU 30	-0.96545	-2.89634	SLV FO 9	-0.62802	-1.88406
400	SLU 30	-0.96498	-2.89493	SLV FO 9	-0.62619	-1.87856
401	SLU 30	-0.96425	-2.89274	SLV FO 9	-0.62382	-1.87147
402	SLU 30	-0.96337	-2.89011	SLV FO 5	-0.62102	-1.86305
403	SLU 30	-0.96244	-2.88732	SLV FO 5	-0.61793	-1.85379
404	SLU 30	-0.96151	-2.88454	SLV FO 5	-0.61471	-1.84414
405	SLU 30	-0.90693	-2.72078	SLV FO 9	-0.5618	-1.68541
406	SLV FO 7	-0.17313	-0.5194	SLV FO 9	-0.06163	-0.18488
407	SLV FO 11	-0.24698	-0.74094	SLV FO 5	-0.03066	-0.09199
408	SLU 30	-0.94745	-2.84236	SLV FO 9	-0.61725	-1.85175
409	SLU 30	-0.94588	-2.83764	SLV FO 9	-0.61638	-1.84915
411	SLU 30	-0.74296	-2.22887	SLV FO 13	-0.44967	-1.349
413	SLU 30	-0.94964	-2.84891	SLV FO 5	-0.59679	-1.79037
414	SLU 30	-0.94096	-2.82289	SLV FO 9	-0.60886	-1.82658
415	SLU 30	-0.93938	-2.81815	SLV FO 9	-0.60799	-1.82396
417	SLU 30	-0.90493	-2.71479	SLV FO 9	-0.55243	-1.65728
419	SLU 30	-0.74747	-2.24242	SLV FO 13	-0.44662	-1.33986
421	SLU 30	-0.93786	-2.81359	SLV FO 9	-0.57853	-1.73559
422	SLU 30	-0.92639	-2.77918	SLV FO 9	-0.59116	-1.77347
424	SLU 30	-0.904	-2.71199	SLV FO 9	-0.54316	-1.62949
426	SLU 30	-0.75213	-2.25638	SLV FO 13	-0.44347	-1.33042
428	SLU 30	-0.92625	-2.77876	SLV FO 9	-0.5599	-1.67969
429	SLU 30	-0.91256	-2.73767	SLV FO 9	-0.57296	-1.71888
431	SLU 30	-0.90345	-2.71035	SLV FO 9	-0.53404	-1.60212
433	SLU 30	-0.75693	-2.27079	SLV FO 13	-0.44025	-1.32075
435	SLU 30	-0.91482	-2.74446	SLV FO 9	-0.54101	-1.62303
436	SLU 30	-0.89824	-2.69471	SLV FO 9	-0.55368	-1.66104
438	SLU 30	-0.90339	-2.71017	SLV FO 9	-0.52682	-1.58047
440	SLU 30	-0.90353	-2.71059	SLV FO 9	-0.52198	-1.56595
441	SLU 30	-0.76191	-2.28573	SLV FO 13	-0.43699	-1.31096
443	SLU 30	-0.88476	-2.65429	SLV FO 9	-0.53513	-1.6054
445	SLU 30	-0.90364	-2.71091	SLV FO 9	-0.51976	-1.55928
447	SLU 30	-0.89232	-2.67696	SLV FO 9	-0.50285	-1.50855
448	SLU 30	-0.76709	-2.30128	SLV FO 13	-0.43374	-1.30121
450	SLU 30	-0.87112	-2.61337	SLV FO 9	-0.51599	-1.54798
452	SLU 30	-0.90412	-2.71235	SLV FO 9	-0.51282	-1.53847
454	SLU 30	-0.88109	-2.64328	SLV FO 9	-0.48361	-1.45084
455	SLU 30	-0.85738	-2.57215	SLV FO 9	-0.49644	-1.48932
457	SLU 30	-0.77249	-2.31746	SLV FO 13	-0.43053	-1.29159
459	SLU 30	-0.90474	-2.71423	SLV FO 9	-0.50598	-1.51793
479	SLU 30	-0.84358	-2.53075	SLV FO 9	-0.47666	-1.42999
493	SLU 30	-0.86974	-2.60923	SLV FO 9	-0.46428	-1.39283
503	SLU 30	-0.86343	-2.59028	SLV FO 9	-0.44067	-1.322
520	SLU 30	-0.84232	-2.52697	SLV FO 5	-0.42978	-1.28934
549	SLU 30	-0.77769	-2.33307	SLV FO 9	-0.427	-1.281
550	SLU 30	-0.78127	-2.34382	SLV FO 13	-0.43358	-1.30074
551	SLU 30	-0.78231	-2.34694	SLV FO 13	-0.44006	-1.32017
552	SLU 30	-0.78388	-2.35164	SLV FO 13	-0.44563	-1.33689
553	SLU 30	-0.78632	-2.35896	SLV FO 13	-0.45156	-1.35469
554	SLU 30	-0.79075	-2.37225	SLV FO 9	-0.45891	-1.37672
555	SLU 30	-0.79658	-2.38975	SLV FO 9	-0.46126	-1.38379
556	SLU 30	-0.8025	-2.40751	SLV FO 9	-0.46372	-1.39117
557	SLU 30	-0.80866	-2.42597	SLV FO 9	-0.46626	-1.39878
558	SLU 30	-0.81461	-2.44382	SLV FO 9	-0.46863	-1.40589
559	SLU 30	-0.82001	-2.46003	SLV FO 9	-0.47067	-1.41202
560	SLU 30	-0.9053	-2.7159	SLV FO 9	-0.50049	-1.50147
561	SLU 30	-0.8248	-2.4744	SLV FO 9	-0.47243	-1.41728
562	SLU 30	-0.82891	-2.48673	SLV FO 9	-0.47378	-1.42135
563	SLU 30	-0.83241	-2.49722	SLV FO 9	-0.47475	-1.42426
564	SLU 30	-0.83542	-2.50627	SLV FO 9	-0.47537	-1.42612
565	SLU 30	-0.83808	-2.51424	SLV FO 9	-0.47567	-1.427
566	SLU 30	-0.84049	-2.52148	SLV FO 9	-0.47564	-1.42693
567	SLU 30	-0.84279	-2.52836	SLV FO 9	-0.47532	-1.42597
568	SLU 30	-0.84489	-2.53467	SLV FO 9	-0.47493	-1.42479
569	SLU 30	-0.84705	-2.54116	SLV FO 9	-0.47438	-1.42313
570	SLU 30	-0.84934	-2.54803	SLV FO 9	-0.47374	-1.42123
571	SLU 30	-0.85179	-2.55536	SLV FO 9	-0.47309	-1.41928
572	SLU 30	-0.85436	-2.56308	SLV FO 9	-0.47246	-1.41738
573	SLU 30	-0.85698	-2.57095	SLV FO 9	-0.47183	-1.41549
574	SLU 30	-0.85956	-2.57868	SLV FO 9	-0.47117	-1.41351
575	SLU 30	-0.86199	-2.58596	SLV FO 9	-0.47043	-1.41129
576	SLU 30	-0.86416	-2.59248	SLV FO 9	-0.46954	-1.40861
577	SLU 30	-0.866	-2.59801	SLV FO 9	-0.46842	-1.40527
578	SLU 30	-0.86745	-2.60236	SLV FO 9	-0.46701	-1.40103
579	SLU 30	-0.86846	-2.60537	SLV FO 9	-0.46523	-1.39569
580	SLU 30	-0.86901	-2.60704	SLV FO 9	-0.46305	-1.38914
581	SLU 30	-0.86937	-2.6081	SLV FO 9	-0.46071	-1.38213
582	SLU 30	-0.86934	-2.60803	SLV FO 9	-0.45806	-1.37417
583	SLU 30	-0.869	-2.607	SLV FO 9	-0.45519	-1.36556
584	SLU 30	-0.86841	-2.60523	SLV FO 9	-0.45223	-1.35669
585	SLU 30	-0.86765	-2.60295	SLV FO 9	-0.44933	-1.348
586	SLU 30	-0.86679	-2.60038	SLV FO 9	-0.44662	-1.33987

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
587	SLU 30	-0.86589	-2.59767	SLV FO 9	-0.44423	-1.33268
588	SLU 30	-0.86498	-2.59494	SLV FO 9	-0.44225	-1.32675
589	SLU 30	-0.86408	-2.59224	SLV FO 9	-0.44079	-1.32237
590	SLU 30	-0.8632	-2.58961	SLV FO 9	-0.43987	-1.31961
591	SLU 30	-0.86231	-2.58693	SLV FO 9	-0.43915	-1.31744
592	SLU 30	-0.86145	-2.58435	SLV FO 9	-0.43896	-1.31689
593	SLU 30	-0.86062	-2.58187	SLV FO 9	-0.43925	-1.31774
594	SLU 30	-0.85983	-2.57949	SLV FO 9	-0.43986	-1.31957
595	SLU 30	-0.85905	-2.57715	SLV FO 9	-0.44066	-1.32198
596	SLU 30	-0.85827	-2.57481	SLV FO 9	-0.44151	-1.32453
597	SLU 30	-0.85746	-2.57237	SLV FO 5	-0.44228	-1.32683
598	SLU 30	-0.85659	-2.56977	SLV FO 5	-0.44284	-1.32853
599	SLU 30	-0.85564	-2.56692	SLV FO 5	-0.4431	-1.3293
600	SLU 30	-0.85458	-2.56375	SLV FO 5	-0.44297	-1.3289
601	SLU 30	-0.85339	-2.56017	SLV FO 5	-0.44238	-1.32714
602	SLU 30	-0.85204	-2.55612	SLV FO 5	-0.4413	-1.32391
603	SLU 30	-0.85051	-2.55153	SLV FO 5	-0.43971	-1.31914
604	SLU 30	-0.84877	-2.54632	SLV FO 5	-0.43761	-1.31282
605	SLU 30	-0.84681	-2.54043	SLV FO 5	-0.435	-1.305
606	SLU 30	-0.84459	-2.53378	SLV FO 5	-0.43192	-1.29576
607	SLU 30	-0.84213	-2.52638	SLV FO 5	-0.42844	-1.28532
608	SLU 30	-0.83949	-2.51847	SLV FO 5	-0.42471	-1.27413
609	SLU 30	-0.83667	-2.51001	SLV FO 5	-0.42072	-1.26215
610	SLU 30	-0.83375	-2.50124	SLV FO 5	-0.41654	-1.24961
611	SLU 30	-0.83082	-2.49246	SLV FO 5	-0.41228	-1.23685
612	SLU 30	-0.82798	-2.48393	SLV FO 5	-0.40805	-1.22416
613	SLU 30	-0.82528	-2.47585	SLV FO 5	-0.40393	-1.21179
614	SLU 30	-0.82281	-2.46842	SLV FO 5	-0.39997	-1.19992
615	SLU 30	-0.82058	-2.46173	SLV FO 5	-0.39623	-1.18869
616	SLU 30	-0.81863	-2.45588	SLV FO 5	-0.39272	-1.17817
617	SLU 30	-0.81696	-2.45089	SLV FO 5	-0.38946	-1.16838
618	SLU 30	-0.81559	-2.44677	SLV FO 5	-0.38643	-1.1593
619	SLU 30	-0.81449	-2.44347	SLV FO 5	-0.38363	-1.15088
620	SLU 30	-0.81365	-2.44094	SLV FO 5	-0.38101	-1.14303
621	SLU 30	-0.81302	-2.43906	SLV FO 5	-0.37855	-1.13565
622	SLU 30	-0.81258	-2.43773	SLV FO 5	-0.37621	-1.12864
623	SLU 30	-0.81227	-2.43682	SLV FO 5	-0.37397	-1.1219
624	SLU 30	-0.81205	-2.43616	SLV FO 5	-0.37177	-1.11532
625	SLV FO 11	-0.81312	-2.43937	SLV FO 5	-0.36961	-1.10882
626	SLV FO 11	-0.81519	-2.44558	SLV FO 5	-0.36743	-1.1023
627	SLV FO 11	-0.81716	-2.45148	SLV FO 5	-0.36523	-1.0957
628	SLV FO 11	-0.81896	-2.45687	SLV FO 5	-0.36298	-1.08894
629	SLV FO 11	-0.82052	-2.46156	SLV FO 5	-0.36066	-1.08199
630	SLV FO 11	-0.8218	-2.46541	SLV FO 5	-0.35826	-1.07479
631	SLV FO 11	-0.82277	-2.46831	SLV FO 5	-0.35577	-1.06731
632	SLV FO 11	-0.82341	-2.47022	SLV FO 5	-0.35318	-1.05954
633	SLV FO 11	-0.82375	-2.47124	SLV FO 5	-0.3505	-1.05149
634	SLV FO 11	-0.82387	-2.47161	SLV FO 5	-0.34545	-1.03636
637	SLU 30	-0.86002	-2.58006	SLV FO 9	-0.428	-1.28399
638	SLU 30	-0.83934	-2.51801	SLV FO 5	-0.40842	-1.22525
641	SLU 30	-0.85692	-2.57076	SLV FO 9	-0.41544	-1.24633
642	SLU 30	-0.83666	-2.50998	SLV FO 5	-0.38721	-1.16163
643	SLU 30	-0.8541	-2.5623	SLV FO 9	-0.40304	-1.20913
644	SLV FO 11	-0.84882	-2.54646	SLV FO 5	-0.36625	-1.09874
645	SLU 30	-0.85151	-2.55454	SLV FO 9	-0.39079	-1.17237
646	SLV FO 11	-0.86722	-2.60167	SLV FO 5	-0.34562	-1.03686
647	SLV FO 7	-0.85915	-2.57745	SLV FO 9	-0.37864	-1.13591
648	SLV FO 11	-0.88537	-2.65612	SLV FO 5	-0.32542	-0.97625
649	SLV FO 7	-0.8684	-2.60521	SLV FO 9	-0.36652	-1.09956
650	SLV FO 11	-0.90315	-2.70944	SLV FO 5	-0.30571	-0.91713
651	SLV FO 7	-0.87778	-2.63333	SLV FO 9	-0.35437	-1.06311
652	SLV FO 11	-0.92047	-2.76142	SLV FO 5	-0.28651	-0.85954
653	SLV FO 7	-0.88728	-2.66183	SLV FO 9	-0.34213	-1.0264
654	SLV FO 11	-0.93739	-2.81217	SLV FO 5	-0.26778	-0.80335
655	SLV FO 7	-0.89688	-2.69063	SLV FO 9	-0.32982	-0.98945
656	SLV FO 7	-0.90208	-2.70624	SLV FO 9	-0.32704	-0.98112
657	SLV FO 7	-0.90725	-2.72176	SLV FO 9	-0.32436	-0.97309
658	SLV FO 7	-0.91297	-2.73892	SLV FO 9	-0.32161	-0.96483
659	SLV FO 7	-0.91843	-2.7553	SLV FO 9	-0.31926	-0.95778
660	SLV FO 7	-0.92343	-2.77028	SLV FO 9	-0.31738	-0.95215
661	SLV FO 7	-0.92805	-2.78415	SLV FO 9	-0.31586	-0.94759
662	SLV FO 7	-0.9316	-2.79481	SLV FO 9	-0.31476	-0.94428
663	SLV FO 7	-0.93402	-2.80206	SLV FO 9	-0.31383	-0.94148
664	SLV FO 7	-0.9354	-2.80621	SLV FO 9	-0.31275	-0.93825
665	SLV FO 11	-0.93599	-2.80796	SLV FO 5	-0.31118	-0.93354
666	SLV FO 11	-0.9361	-2.80829	SLV FO 5	-0.30877	-0.92632
667	SLV FO 11	-0.93611	-2.80832	SLV FO 5	-0.30526	-0.91578
668	SLV FO 11	-0.9364	-2.80921	SLV FO 5	-0.30045	-0.90136
669	SLV FO 11	-0.93748	-2.81245	SLV FO 5	-0.29359	-0.88076
670	SLV FO 11	-0.93966	-2.81899	SLV FO 5	-0.28514	-0.85541
671	SLV FO 11	-0.9434	-2.8302	SLV FO 5	-0.27429	-0.82288
672	SLV FO 11	-0.94835	-2.84506	SLV FO 5	-0.26217	-0.7865
673	SLV FO 11	-0.95405	-2.86215	SLV FO 5	-0.24934	-0.74803
4748	SLV FO 13	-1.32851	-3.98554	SLV FO 3	-0.38483	-1.15449
4749	SLU 30	-1.17752	-3.53256	SLV FO 7	-0.67953	-2.03858
4750	SLU 30	-1.17558	-3.52675	SLV FO 3	-0.62464	-1.87392
4751	SLU 30	-1.17361	-3.52084	SLV FO 3	-0.56494	-1.69481
4752	SLV FO 13	-1.21557	-3.6467	SLV FO 3	-0.50507	-1.51522
4753	SLV FO 13	-1.27155	-3.81464	SLV FO 3	-0.44506	-1.33519
4754	SLV FO 13	-1.32739	-3.98218	SLV FO 3	-0.38496	-1.15487
4756	SLV FO 13	-1.29579	-3.88738	SLV FO 3	-0.38862	-1.16587
4757	SLV FO 13	-1.26404	-3.79211	SLV FO 3	-0.39264	-1.17792
4758	SLV FO 13	-1.23407	-3.70221	SLV FO 3	-0.39718	-1.19153
4759	SLV FO 13	-1.20654	-3.61963	SLV FO 3	-0.40254	-1.20763
4760	SLV FO 13	-1.18183	-3.5455	SLV FO 3	-0.40902	-1.22705
4761	SLV FO 13	-1.16007	-3.48022	SLV FO 3	-0.4168	-1.25039
4762	SLV FO 13	-1.14122	-3.42366	SLV FO 3	-0.42599	-1.27798
4763	SLV FO 13	-1.12515	-3.37545	SLV FO 3	-0.43659	-1.30977
4764	SLV FO 13	-1.11174	-3.33521	SLV FO 3	-0.44843	-1.3453
4765	SLV FO 13	-1.10083	-3.30249	SLV FO 3	-0.46126	-1.38377

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
4766	SLV FO 13	-1.09221	-3.27663	SLV FO 3	-0.47469	-1.42406
4767	SLU 30	-1.09172	-3.27517	SLV FO 3	-0.48829	-1.46488
4768	SLU 30	-1.09822	-3.29467	SLV FO 3	-0.5016	-1.50479
4769	SLU 30	-1.10464	-3.31391	SLV FO 3	-0.51409	-1.54228
4770	SLU 30	-1.11032	-3.33097	SLV FO 3	-0.52533	-1.57598
4771	SLU 30	-1.11488	-3.34464	SLV FO 3	-0.53497	-1.60491
4772	SLU 30	-1.11821	-3.35462	SLV FO 3	-0.54288	-1.62863
4773	SLU 30	-1.12039	-3.36118	SLV FO 3	-0.54906	-1.64717
4774	SLU 30	-1.12154	-3.36462	SLV FO 3	-0.55361	-1.66082
4775	SLU 30	-1.12166	-3.36497	SLV FO 3	-0.55663	-1.6699
4776	SLU 30	-1.12068	-3.36203	SLV FO 3	-0.55823	-1.67468
4777	SLU 30	-1.11857	-3.35571	SLV FO 3	-0.55851	-1.67552
4778	SLU 30	-1.1155	-3.3465	SLV FO 3	-0.55769	-1.67308
4779	SLU 30	-1.11189	-3.33567	SLV FO 3	-0.55616	-1.66848
4780	SLU 30	-1.10831	-3.32494	SLV FO 3	-0.55442	-1.66325
4781	SLU 30	-1.10536	-3.31608	SLV FO 3	-0.55305	-1.65916
4782	SLU 30	-1.10352	-3.31057	SLV FO 3	-0.55264	-1.65793
4783	SLU 30	-1.10316	-3.30948	SLV FO 3	-0.55369	-1.66107
4784	SLU 30	-1.10449	-3.31347	SLV FO 3	-0.55654	-1.66962
4785	SLU 30	-1.1076	-3.32281	SLV FO 3	-0.56135	-1.68404
4786	SLU 30	-1.11247	-3.33741	SLV FO 3	-0.56805	-1.70416
4787	SLU 30	-1.1189	-3.35671	SLV FO 3	-0.57643	-1.72929
4788	SLU 30	-1.12657	-3.37971	SLV FO 3	-0.58612	-1.75835
4789	SLU 30	-1.13498	-3.40495	SLV FO 3	-0.59665	-1.78994
4790	SLU 30	-1.14355	-3.43065	SLV FO 3	-0.60743	-1.82228
4791	SLU 30	-1.15171	-3.45513	SLV FO 1	-0.6177	-1.85309
4792	SLU 30	-1.15908	-3.47724	SLV FO 1	-0.62679	-1.88036
4793	SLU 30	-1.16552	-3.49657	SLV FO 1	-0.63463	-1.9039
4794	SLU 30	-1.17109	-3.51327	SLV FO 1	-0.6415	-1.9245
4795	SLU 30	-1.17584	-3.52753	SLV FO 1	-0.64752	-1.94255
4796	SLU 30	-1.17973	-3.53919	SLV FO 1	-0.65263	-1.9579
4797	SLU 30	-1.18255	-3.54765	SLV FO 1	-0.65671	-1.97014
4798	SLU 30	-1.18405	-3.55216	SLV FO 1	-0.65966	-1.97898
4799	SLU 30	-1.1841	-3.55229	SLV FO 1	-0.66154	-1.98463
4800	SLU 30	-1.18278	-3.54833	SLV FO 1	-0.66262	-1.98787
4801	SLU 30	-1.18039	-3.54118	SLV FO 1	-0.66328	-1.98983
4802	SLU 30	-1.17733	-3.53199	SLV FO 1	-0.66385	-1.99154
4803	SLU 30	-1.17391	-3.52174	SLV FO 1	-0.66456	-1.99369
4804	SLU 30	-1.17034	-3.51103	SLV FO 1	-0.66551	-1.99654
4805	SLU 30	-1.1667	-3.5001	SLV FO 1	-0.66668	-2.00004
4807	SLU 30	-1.16302	-3.48906	SLV FO 1	-0.66798	-2.00395
4808	SLU 30	-1.14453	-3.43358	SLU 1	-0.77635	-2.32904
4809	SLU 30	-1.148	-3.44399	SLU 1	-0.77624	-2.32872
4810	SLU 30	-1.15137	-3.4541	SLU 1	-0.77609	-2.32828
4811	SLU 30	-1.15447	-3.46341	SLV FO 11	-0.77314	-2.31942
4812	SLU 30	-1.15708	-3.47125	SLV FO 11	-0.74948	-2.24845
4813	SLU 30	-1.15891	-3.47672	SLV FO 11	-0.72498	-2.17493
4814	SLU 30	-1.15957	-3.47872	SLV FO 11	-0.69976	-2.09928
4815	SLU 30	-1.15872	-3.47616	SLV FO 11	-0.67402	-2.02206
4816	SLU 30	-1.15615	-3.46846	SLV FO 11	-0.64807	-1.94421
4817	SLU 30	-1.15195	-3.45585	SLV FO 11	-0.62236	-1.86708
4818	SLU 30	-1.14641	-3.43924	SLV FO 11	-0.59738	-1.79215
4819	SLU 30	-1.1399	-3.41969	SLV FO 11	-0.5736	-1.72081
4820	SLU 30	-1.13265	-3.39795	SLV FO 11	-0.55133	-1.654
4821	SLU 30	-1.12474	-3.37422	SLV FO 11	-0.53073	-1.59218
4822	SLU 30	-1.11616	-3.34849	SLV FO 11	-0.5118	-1.53541
4823	SLU 30	-1.10699	-3.32096	SLV FO 11	-0.49454	-1.48361
4824	SLU 30	-1.09747	-3.2924	SLV FO 11	-0.47896	-1.43689
4825	SLV FO 5	-1.09021	-3.27062	SLV FO 11	-0.46523	-1.39569
4826	SLV FO 5	-1.0892	-3.26759	SLV FO 11	-0.4536	-1.36079
4827	SLV FO 5	-1.08749	-3.26248	SLV FO 11	-0.44432	-1.33297
4828	SLV FO 5	-1.08535	-3.25606	SLV FO 11	-0.43761	-1.31283
4829	SLV FO 5	-1.08295	-3.24885	SLV FO 11	-0.43352	-1.30055
4830	SLV FO 5	-1.08043	-3.2413	SLV FO 11	-0.43195	-1.29585
4831	SLV FO 5	-1.07799	-3.23396	SLV FO 11	-0.43267	-1.29801
4832	SLV FO 5	-1.07581	-3.22744	SLV FO 11	-0.43533	-1.30599
4833	SLV FO 5	-1.07407	-3.22221	SLV FO 11	-0.43953	-1.31858
4834	SLV FO 5	-1.07279	-3.21837	SLV FO 11	-0.44484	-1.33451
4835	SLV FO 5	-1.07187	-3.21562	SLV FO 11	-0.45081	-1.35244
4836	SLV FO 5	-1.07111	-3.21333	SLV FO 11	-0.45698	-1.37094
4837	SLU 30	-1.0737	-3.22111	SLV FO 11	-0.46286	-1.38858
4838	SLU 30	-1.07668	-3.23004	SLV FO 11	-0.46804	-1.40413
4839	SLU 30	-1.07885	-3.23656	SLV FO 11	-0.47227	-1.41681
4840	SLU 30	-1.08026	-3.24077	SLV FO 11	-0.47543	-1.42628
4841	SLU 30	-1.081	-3.24299	SLV FO 11	-0.47746	-1.43239
4842	SLU 30	-1.08111	-3.24333	SLV FO 11	-0.47824	-1.43473
4843	SLU 30	-1.08052	-3.24157	SLV FO 11	-0.47744	-1.43233
4844	SLU 30	-1.07912	-3.23736	SLV FO 7	-0.47472	-1.42417
4845	SLU 30	-1.07689	-3.23066	SLV FO 7	-0.47017	-1.41051
4846	SLU 30	-1.07402	-3.22207	SLV FO 7	-0.46432	-1.39296
4847	SLV FO 9	-1.0719	-3.21569	SLV FO 7	-0.45781	-1.37344
4848	SLV FO 9	-1.07476	-3.22429	SLV FO 7	-0.45121	-1.35362
4849	SLV FO 9	-1.07843	-3.23528	SLV FO 7	-0.44497	-1.33492
4850	SLV FO 9	-1.08304	-3.24912	SLV FO 7	-0.43951	-1.31854
4851	SLV FO 9	-1.08862	-3.26585	SLV FO 7	-0.43518	-1.30553
4852	SLV FO 9	-1.09507	-3.28522	SLV FO 7	-0.43224	-1.29673
4853	SLV FO 9	-1.10236	-3.30709	SLV FO 7	-0.43084	-1.29251
4854	SLV FO 9	-1.11055	-3.33166	SLV FO 7	-0.43087	-1.29261
4855	SLV FO 9	-1.11981	-3.35944	SLV FO 7	-0.43204	-1.29611
4856	SLV FO 9	-1.13033	-3.391	SLV FO 7	-0.43385	-1.30155
4857	SLV FO 9	-1.14222	-3.42665	SLV FO 7	-0.43573	-1.30718
4858	SLV FO 9	-1.15541	-3.46622	SLV FO 7	-0.43705	-1.31115
4859	SLV FO 9	-1.16971	-3.50914	SLV FO 7	-0.43724	-1.31172
4860	SLV FO 9	-1.18494	-3.55481	SLV FO 7	-0.4358	-1.30739
4861	SLV FO 9	-1.20105	-3.60316	SLV FO 7	-0.43232	-1.29696
4862	SLV FO 9	-1.21827	-3.65481	SLV FO 7	-0.42648	-1.27944
4863	SLV FO 9	-1.23694	-3.71083	SLV FO 7	-0.41796	-1.25388
4864	SLV FO 9	-1.25739	-3.77216	SLV FO 7	-0.40645	-1.21935
4865	SLV FO 9	-1.27975	-3.83926	SLV FO 7	-0.39164	-1.17492
4866	SLV FO 9	-1.30406	-3.91217	SLV FO 7	-0.37328	-1.11985

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
4867	SLV FO 9	-1.33031	-3.99094	SLV FO 7	-0.35127	-1.05381
4868	SLV FO 9	-1.35864	-4.07591	SLV FO 7	-0.32567	-0.97702
4869	SLV FO 9	-1.38926	-4.16777	SLV FO 7	-0.29673	-0.89018
4870	SLV FO 9	-1.42236	-4.26708	SLV FO 7	-0.26479	-0.79438
4871	SLV FO 9	-1.45795	-4.37384	SLV FO 7	-0.23032	-0.69095
4872	SLV FO 9	-1.49569	-4.48708	SLV FO 7	-0.19382	-0.58147
4873	SLV FO 9	-1.53498	-4.60495	SLV FO 7	-0.15594	-0.46781
4874	SLV FO 9	-1.57503	-4.72509	SLV FO 7	-0.11735	-0.35205
4875	SLV FO 9	-1.5168	-4.55041	SLV FO 7	-0.16265	-0.48794
4876	SLV FO 9	-1.45849	-4.37548	SLV FO 7	-0.20825	-0.62474
4877	SLV FO 9	-1.40015	-4.20045	SLV FO 7	-0.25431	-0.76293
4878	SLV FO 9	-1.3419	-4.02569	SLV FO 7	-0.30083	-0.90248
4879	SLV FO 9	-1.2838	-3.8514	SLV FO 7	-0.34768	-1.04303
4880	SLV FO 9	-1.22585	-3.67754	SLV FO 7	-0.39465	-1.18395
4881	SLV FO 13	-1.18411	-3.55233	SLV FO 3	-0.42539	-1.27618
4882	SLV FO 13	-1.15186	-3.45559	SLV FO 3	-0.44641	-1.33922
4883	SLV FO 13	-1.12066	-3.36199	SLV FO 3	-0.46604	-1.39813
4884	SLV FO 13	-1.09065	-3.27196	SLV FO 3	-0.48419	-1.45258
4885	SLV FO 13	-1.03553	-3.1066	SLV FO 3	-0.45144	-1.35432
4886	SLV FO 9	-0.99074	-2.97223	SLV FO 7	-0.40882	-1.22647
4887	SLV FO 9	-0.99098	-2.97294	SLV FO 7	-0.32206	-0.96617
4888	SLV FO 9	-0.99332	-2.97997	SLV FO 7	-0.23424	-0.70273
4889	SLV FO 9	-0.99771	-2.99313	SLV FO 7	-0.14542	-0.43626
4890	SLV FO 9	-1.00399	-3.01197	SLV FO 7	-0.0555	-0.1665
4891	SLV FO 9	-1.01197	-3.03592	SLV FO 7	0.03568	0.10705
4892	SLU 30	-1.07371	-3.22113	SLV FO 3	-0.50158	-1.50475
4893	SLV FO 9	-0.94732	-2.84195	SLV FO 7	-0.0282	-0.08461
4894	SLU 30	-1.06516	-3.19548	SLV FO 3	-0.51611	-1.54834
4895	SLV FO 9	-0.88248	-2.64745	SLV FO 7	-0.09213	-0.2764
4896	SLU 30	-1.05623	-3.16868	SLV FO 1	-0.52012	-1.56037
4897	SLV FO 9	-0.81738	-2.45213	SLV FO 7	-0.1561	-0.4683
4898	SLU 30	-1.04695	-3.14086	SLV FO 1	-0.51006	-1.53018
4899	SLV FO 9	-0.75199	-2.25596	SLV FO 7	-0.22007	-0.66021
4900	SLU 30	-1.03745	-3.11234	SLV FO 1	-0.49734	-1.49201
4901	SLV FO 9	-0.68637	-2.0591	SLV FO 7	-0.28398	-0.85195
4902	SLU 30	-1.02779	-3.08336	SLV FO 1	-0.48437	-1.45312
4903	SLU 30	-0.65944	-1.97832	SLV FO 7	-0.34775	-1.04326
4904	SLU 30	-1.018	-3.05401	SLV FO 1	-0.47178	-1.41535
4905	SLU 29	-0.65779	-1.97338	SLV FO 7	-0.41102	-1.23306
4906	SLV FO 11	-1.00812	-3.02435	SLV FO 5	-0.45725	-1.37176
4907	SLU 29	-0.65612	-1.96835	SLU 8	-0.4556	-1.36679
4908	SLV FO 11	-1.02932	-3.08797	SLV FO 5	-0.42139	-1.26416
4909	SLU 29	-0.65442	-1.96326	SLV FO 5	-0.42084	-1.26251
4910	SLV FO 11	-1.04757	-3.14272	SLV FO 5	-0.38859	-1.16577
4911	SLU 29	-0.65275	-1.95825	SLV FO 9	-0.35509	-1.06528
4912	SLV FO 11	-1.06322	-3.18967	SLV FO 5	-0.35876	-1.07628
4913	SLV FO 7	-0.66715	-2.00144	SLV FO 9	-0.28925	-0.86776
4914	SLV FO 11	-1.0768	-3.23041	SLV FO 5	-0.33162	-0.99486
4915	SLV FO 7	-0.73041	-2.19124	SLV FO 9	-0.22355	-0.67065
4916	SLV FO 11	-1.08892	-3.26675	SLV FO 5	-0.30669	-0.92008
4917	SLV FO 7	-0.79355	-2.38064	SLV FO 9	-0.15809	-0.47426
4918	SLV FO 11	-1.10017	-3.30052	SLV FO 5	-0.2833	-0.84991
4919	SLV FO 7	-0.85652	-2.56956	SLV FO 9	-0.09292	-0.27875
4920	SLV FO 11	-1.11112	-3.33335	SLV FO 5	-0.26064	-0.78193
4921	SLV FO 7	-0.91933	-2.758	SLV FO 9	-0.02804	-0.08411
4924	SLV FO 11	-1.02975	-3.08924	SLV FO 5	-0.34851	-1.04553
4925	SLV FO 11	-1.01211	-3.03634	SLV FO 5	-0.30359	-0.91077
4926	SLV FO 11	-0.99564	-2.98692	SLV FO 5	-0.25761	-0.77283
4930	SLV FO 11	-0.98327	-2.94982	SLV FO 5	-0.2087	-0.6261
4931	SLV FO 11	-0.97408	-2.92225	SLV FO 5	-0.15593	-0.46778
4932	SLV FO 11	-0.97225	-2.91676	SLV FO 5	-0.09605	-0.28814
4933	SLV FO 7	-0.97589	-2.92768	SLV FO 9	-0.0309	-0.0927
4934	SLV FO 7	-0.98204	-2.94613	SLV FO 9	0.03663	0.1099
6403	SLV FO 13	-1.20528	-3.61584	SLV FO 3	-0.41559	-1.24677
6409	SLU 30	-0.99045	-2.97134	SLV FO 3	-0.58155	-1.74464
6410	SLU 30	-1.02715	-3.08145	SLV FO 3	-0.49476	-1.48427
6411	SLU 30	-0.97888	-2.93664	SLV FO 11	-0.64316	-1.92948
6515	SLU 30	-1.13429	-3.40287	SLV FO 3	-0.53246	-1.59737
6520	SLU 30	-0.8681	-2.60431	SLV FO 3	-0.55677	-1.6703
6521	SLU 30	-0.92978	-2.78935	SLV FO 3	-0.53414	-1.60241
6522	SLU 30	-1.00573	-3.01719	SLV FO 3	-0.52922	-1.58766
6525	SLU 30	-0.84238	-2.52714	SLU 1	-0.55719	-1.67156
6774	SLV FO 5	-1.15634	-3.46902	SLV FO 11	-0.41442	-1.24326
6777	SLV FO 9	-1.18737	-3.56212	SLV FO 7	-0.39671	-1.19014
6871	SLU 30	-1.02379	-3.07137	SLV FO 11	-0.45623	-1.36868
6872	SLV FO 9	-1.03659	-3.10976	SLV FO 7	-0.43355	-1.30065
6899	SLU 30	-0.9821	-2.94629	SLV FO 11	-0.49223	-1.47668
6900	SLU 30	-0.97931	-2.93793	SLV FO 7	-0.46572	-1.39715
6971	SLU 30	-0.94222	-2.82667	SLV FO 11	-0.54001	-1.62002
6972	SLU 30	-0.93081	-2.79243	SLV FO 7	-0.51132	-1.53395
6995	SLU 30	-0.91839	-2.75516	SLV FO 11	-0.57542	-1.72625
6996	SLU 30	-0.89979	-2.69936	SLV FO 7	-0.54795	-1.64384
7032	SLU 30	-1.03411	-3.10233	SLV FO 1	-0.59998	-1.79995
7033	SLU 30	-1.06672	-3.20017	SLV FO 13	-0.66448	-1.99344
7034	SLU 30	-0.91282	-2.73847	SLU 1	-0.59774	-1.79323
7035	SLU 30	-0.88702	-2.66106	SLU 1	-0.57603	-1.72808
7039	SLU 30	-1.02916	-3.08748	SLV FO 13	-0.66226	-1.98678
7040	SLU 30	-0.95378	-2.86135	SLU 1	-0.62766	-1.88297
7041	SLU 30	-0.91855	-2.75566	SLU 1	-0.59552	-1.78657
7042	SLU 30	-0.95434	-2.86302	SLU 1	-0.61375	-1.84126
7043	SLU 30	-0.96373	-2.8912	SLU 1	-0.61791	-1.85373
7044	SLU 30	-0.94827	-2.8448	SLU 1	-0.60916	-1.82748
7045	SLU 30	-0.90405	-2.71216	SLU 1	-0.58413	-1.75238
7046	SLU 30	-0.91497	-2.74491	SLU 1	-0.59239	-1.77718
7047	SLU 30	-0.97404	-2.92213	SLV FO 1	-0.62729	-1.88186
7048	SLU 30	-1.01045	-3.03136	SLV FO 1	-0.6253	-1.87591
7049	SLU 30	-1.0484	-3.1452	SLV FO 5	-0.53917	-1.6175
7050	SLV FO 11	-1.10464	-3.31392	SLV FO 5	-0.46419	-1.39258
7053	SLU 30	-0.91266	-2.73799	SLU 1	-0.59787	-1.7936
7054	SLU 30	-0.88626	-2.65877	SLU 1	-0.57576	-1.72728

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
7086	SLU 30	-0.91967	-2.759	SLV FO 9	-0.53944	-1.61831
7087	SLU 30	-0.88262	-2.64787	SLV FO 5	-0.49035	-1.47104
7155	SLV FO 7	-0.97467	-2.924	SLV FO 9	-0.41887	-1.25661
7179	SLV FO 11	-0.97426	-2.92279	SLV FO 5	-0.34457	-1.03372

Spostamenti di interpiano estremi

***Nodo inferiore**: nodo inferiore.*
* ***I.**: numero dell'elemento nell'insieme che lo contiene.*
* ***Pos.**: coordinate del nodo.*
* ***X**: coordinata X. [cm]*
* ***Y**: coordinata Y. [cm]*
* ***Z**: coordinata Z. [cm]*
***Nodo superiore**: nodo superiore.*
* ***I.**: numero dell'elemento nell'insieme che lo contiene.*
* ***Pos.**: coordinate del nodo.*
* ***Z**: coordinata Z. [cm]*
***Spost. rel.**: spostamento relativo. Il valore è adimensionale.*
***Comb.**: combinazione.*
* ***N.b.**: nome breve o compatto della combinazione di carico.*
***Spostamento inferiore**: spostamento in pianta del nodo inferiore.*
* ***X**: coordinata X. [cm]*
* ***Y**: coordinata Y. [cm]*
***Spostamento superiore**: spostamento in pianta del nodo superiore.*
* ***X**: coordinata X. [cm]*
* ***Y**: coordinata Y. [cm]*
***S.V.**: si intende non verificato qualora lo spostamento relativo sia superiore al valore limite espresso nelle preferenze di analisi.*

Questo capitolo mostra gli spostamenti estremi per ogni interpiano in ognuna delle combinazioni di carico.
Per spostamenti estremi si intendono i primi 5 spostamenti massimi tra tutti gli interpiani che condividono la stessa quota iniziale e la stessa quota finale.
limite = 0,001333; spostamenti calcolati applicando il fattore di duttilità in spostamento μd = 1 secondo D.M. 17-01-18 §7.3.3.3

Nodo inferiore				Nodo superiore		Spost. rel.	Comb.	Spostamento inferiore		Spostamento superiore		S.V.
I.	Pos.			I.	Pos.		N.b.	X	Y	X	Y	
	X	Y	Z		Z							
12689	3015.1	4063.3	828	12873	1025	0.004586	SLO 1	-0.715	-0.263	-1.618	-0.287	no
12693	2712.9	4064.4	828	12875	1025	0.004579	SLO 1	-0.713	-0.265	-1.615	-0.277	no
12699	3296.2	4067.8	828	12885	1025	0.004467	SLO 1	-0.75	-0.268	-1.615	-0.427	no
12694	3563.7	4065.3	828	12881	1025	0.004464	SLO 1	-0.742	-0.253	-1.605	-0.423	no
12684	3851.6	4061.5	828	12871	1025	0.004418	SLO 1	-0.714	-0.224	-1.584	-0.255	no
12689	3015.1	4063.3	828	12873	1025	0.004586	SLO 2	-0.715	-0.263	-1.618	-0.287	no
12693	2712.9	4064.4	828	12875	1025	0.004579	SLO 2	-0.713	-0.265	-1.615	-0.277	no
12699	3296.2	4067.8	828	12885	1025	0.004467	SLO 2	-0.75	-0.268	-1.615	-0.427	no
12694	3563.7	4065.3	828	12881	1025	0.004464	SLO 2	-0.742	-0.253	-1.605	-0.423	no
12684	3851.6	4061.5	828	12871	1025	0.004418	SLO 2	-0.714	-0.224	-1.584	-0.255	no
12689	3015.1	4063.3	828	12873	1025	0.004804	SLO 3	-0.771	0.298	-1.717	0.299	no
12693	2712.9	4064.4	828	12875	1025	0.004798	SLO 3	-0.768	0.295	-1.713	0.315	no
12699	3296.2	4067.8	828	12885	1025	0.004636	SLO 3	-0.809	0.307	-1.713	0.18	no
12694	3563.7	4065.3	828	12881	1025	0.004628	SLO 3	-0.8	0.318	-1.702	0.185	no
12684	3851.6	4061.5	828	12871	1025	0.004623	SLO 3	-0.769	0.33	-1.68	0.34	no
12689	3015.1	4063.3	828	12873	1025	0.004804	SLO 4	-0.771	0.298	-1.717	0.299	no
12693	2712.9	4064.4	828	12875	1025	0.004798	SLO 4	-0.768	0.295	-1.713	0.315	no
12699	3296.2	4067.8	828	12885	1025	0.004636	SLO 4	-0.809	0.307	-1.713	0.18	no
12694	3563.7	4065.3	828	12881	1025	0.004628	SLO 4	-0.8	0.318	-1.702	0.185	no
12684	3851.6	4061.5	828	12871	1025	0.004623	SLO 4	-0.769	0.33	-1.68	0.34	no
12669	2504.8	3818.2	828	12868	1025	0.002136	SLO 5	-0.031	-0.999	0.05	-1.412	no
12639	2499.9	3541.8	828	12867	1025	0.001952	SLO 5	0.014	-1.037	0.084	-1.415	no
12540	2501.2	3209.6	828	12865	1025	0.001949	SLO 5	-0.115	-1.024	-0.069	-1.405	no
12517	2502.2	2899	828	12863	1025	0.001817	SLO 5	-0.105	-1.03	-0.066	-1.386	no
12501	2501.2	2616.7	828	12862	1025	0.001745	SLO 5	-0.079	-1.018	-0.042	-1.36	no
12669	2504.8	3818.2	828	12868	1025	0.002136	SLO 6	-0.031	-0.999	0.05	-1.412	no
12639	2499.9	3541.8	828	12867	1025	0.001952	SLO 6	0.014	-1.037	0.084	-1.415	no
12540	2501.2	3209.6	828	12865	1025	0.001949	SLO 6	-0.115	-1.024	-0.069	-1.405	no
12517	2502.2	2899	828	12863	1025	0.001817	SLO 6	-0.105	-1.03	-0.066	-1.386	no
12501	2501.2	2616.7	828	12862	1025	0.001745	SLO 6	-0.079	-1.018	-0.042	-1.36	no
12693	2712.9	4064.4	828	12875	1025	0.001812	SLO 7	-0.25	0.908	-0.603	0.962	no
12689	3015.1	4063.3	828	12873	1025	0.001788	SLO 7	-0.253	0.915	-0.604	0.945	no
4891	5883.7	3928.5	-125	6962	-22	0.001787	SLO 7	0	0.001	-0.164	0.085	no
12684	3851.6	4061.5	828	12871	1025	0.001746	SLO 7	-0.252	0.925	-0.592	0.98	no
12669	2504.8	3818.2	828	12868	1025	0.001705	SLO 7	-0.227	0.865	-0.149	1.191	no
12693	2712.9	4064.4	828	12875	1025	0.001812	SLO 8	-0.25	0.908	-0.603	0.962	no
12689	3015.1	4063.3	828	12873	1025	0.001788	SLO 8	-0.253	0.915	-0.604	0.945	no
4891	5883.7	3928.5	-125	6962	-22	0.001787	SLO 8	0	0.001	-0.164	0.085	no
12684	3851.6	4061.5	828	12871	1025	0.001746	SLO 8	-0.252	0.925	-0.592	0.98	no
12669	2504.8	3818.2	828	12868	1025	0.001705	SLO 8	-0.227	0.865	-0.149	1.191	no
12669	2504.8	3818.2	828	12868	1025	0.002034	SLO 9	0.46	-0.954	0.568	-1.34	no
12639	2499.9	3541.8	828	12867	1025	0.001866	SLO 9	0.504	-0.985	0.586	-1.343	no
12540	2501.2	3209.6	828	12865	1025	0.001832	SLO 9	0.376	-0.98	0.441	-1.335	no
12469	2501.2	2049.8	828	12859	1025	0.00182	SLO 9	0.428	-0.965	0.677	-1.222	no
12517	2502.2	2899	828	12863	1025	0.001791	SLO 9	0.396	-0.969	0.455	-1.317	no
12669	2504.8	3818.2	828	12868	1025	0.002034	SLO 10	0.46	-0.954	0.568	-1.34	no
12639	2499.9	3541.8	828	12867	1025	0.001866	SLO 10	0.504	-0.985	0.586	-1.343	no
12540	2501.2	3209.6	828	12865	1025	0.001832	SLO 10	0.376	-0.98	0.441	-1.335	no
12469	2501.2	2049.8	828	12859	1025	0.00182	SLO 10	0.428	-0.965	0.677	-1.222	no
12517	2502.2	2899	828	12863	1025	0.001791	SLO 10	0.396	-0.969	0.455	-1.317	no
4891	5883.7	3928.5	-125	6962	-22	0.001897	SLO 11	0	0	-0.182	0.071	no
12669	2504.8	3818.2	828	12868	1025	0.001872	SLO 11	0.265	0.91	0.369	1.264	no
4884	5598.7	3928.5	-125	6954	-22	0.00183	SLO 11	0	0.002	-0.178	0.064	no
12540	2501.2	3209.6	828	12865	1025	0.001782	SLO 11	0.51	0.915	0.579	1.259	no
12639	2499.9	3541.8	828	12867	1025	0.001696	SLO 11	0.317	0.94	0.387	1.267	no
4891	5883.7	3928.5	-125	6962	-22	0.001897	SLO 12	0	0	-0.182	0.071	no

Nodo inferiore				Nodo superiore		Spost. rel.	Comb.	Spostamento inferiore		Spostamento superiore		S.V.
I.	Pos.			I.	Pos.		N.b.	X	Y	X	Y	
	X	Y	Z		Z							
12669	2504.8	3818.2	828	12868	1025	0.001872	SLO 12	0.265	0.91	0.369	1.264	no
4884	5598.7	3928.5	-125	6954	-22	0.00183	SLO 12	0	0.002	-0.178	0.064	no
12540	2501.2	3209.6	828	12865	1025	0.001782	SLO 12	0.51	0.915	0.579	1.259	no
12639	2499.9	3541.8	828	12867	1025	0.001696	SLO 12	0.317	0.94	0.387	1.267	no
12689	3015.1	4063.3	828	12873	1025	0.004785	SLO 13	0.947	-0.368	1.889	-0.397	no
12693	2712.9	4064.4	828	12875	1025	0.004734	SLO 13	0.954	-0.385	1.887	-0.402	no
12699	3296.2	4067.8	828	12885	1025	0.00468	SLO 13	0.963	-0.376	1.883	-0.31	no
12694	3563.7	4065.3	828	12881	1025	0.004654	SLO 13	0.956	-0.372	1.869	-0.294	no
12684	3851.6	4061.5	828	12871	1025	0.004567	SLO 13	0.947	-0.37	1.846	-0.41	no
12689	3015.1	4063.3	828	12873	1025	0.004785	SLO 14	0.947	-0.368	1.889	-0.397	no
12693	2712.9	4064.4	828	12875	1025	0.004734	SLO 14	0.954	-0.385	1.887	-0.402	no
12699	3296.2	4067.8	828	12885	1025	0.00468	SLO 14	0.963	-0.376	1.883	-0.31	no
12694	3563.7	4065.3	828	12881	1025	0.004654	SLO 14	0.956	-0.372	1.869	-0.294	no
12684	3851.6	4061.5	828	12871	1025	0.004567	SLO 14	0.947	-0.37	1.846	-0.41	no
12689	3015.1	4063.3	828	12873	1025	0.004563	SLO 15	0.891	0.192	1.79	0.189	no
12693	2712.9	4064.4	828	12875	1025	0.004516	SLO 15	0.899	0.175	1.788	0.19	no
12699	3296.2	4067.8	828	12885	1025	0.004498	SLO 15	0.904	0.198	1.785	0.296	no
12694	3563.7	4065.3	828	12881	1025	0.004477	SLO 15	0.897	0.199	1.772	0.315	no
12684	3851.6	4061.5	828	12871	1025	0.004354	SLO 15	0.892	0.184	1.75	0.185	no
12689	3015.1	4063.3	828	12873	1025	0.004563	SLO 16	0.891	0.192	1.79	0.189	no
12693	2712.9	4064.4	828	12875	1025	0.004516	SLO 16	0.899	0.175	1.788	0.19	no
12699	3296.2	4067.8	828	12885	1025	0.004498	SLO 16	0.904	0.198	1.785	0.296	no
12694	3563.7	4065.3	828	12881	1025	0.004477	SLO 16	0.897	0.199	1.772	0.315	no
12684	3851.6	4061.5	828	12871	1025	0.004354	SLO 16	0.892	0.184	1.75	0.185	no

Verifica effetti secondo ordine

***Quota inf.**: quota inferiore esprimibile come livello, falda, piano orizzontale alla Z specificata, espressa con notazione breve. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Quota sup.**: quota superiore esprimibile come livello, falda, piano orizzontale alla Z specificata, espressa con notazione breve. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Comb.**: combinazione.*
***N.b.**: nome breve o compatto della combinazione di carico.*
***Carico verticale**: carico verticale. [daN]*
***Spostamento**: spostamento medio di interpiano. [cm]*
***Forza orizzontale totale**: forza orizzontale totale. [daN]*
***Altezza del piano**: altezza del piano. [cm]*
***Theta**: coefficiente Theta formula [7.3.3] § 7.3.1. Il valore è adimensionale.*

Quota inf.	Quota sup.	Comb.	Carico verticale	Spostamento	Forza orizzontale totale	Altezza del piano	Theta
		N.b.					
L1	L2	SLV 1	2374170	0.022	191747	400	0.001
L1	L2	SLV 2	2374170	0.022	191747	400	0.001
L1	L2	SLV 3	2491129	0.022	194603	400	0.001
L1	L2	SLV 4	2491129	0.022	194603	400	0.001
L1	L2	SLV 5	2084683	0.021	218073	400	0
L1	L2	SLV 6	2084683	0.021	218073	400	0
L1	L2	SLV 7	2474543	0.019	248967	400	0
L1	L2	SLV 8	2474543	0.019	248967	400	0
L1	L2	SLV 9	1953508	0.024	182881	400	0.001
L1	L2	SLV 10	1953508	0.024	182881	400	0.001
L1	L2	SLV 11	2343369	0.02	238933	400	0
L1	L2	SLV 12	2343369	0.02	238933	400	0
L1	L2	SLV 13	1936923	0.03	21989	400	0.007
L1	L2	SLV 14	1936923	0.03	21989	400	0.007
L1	L2	SLV 15	2053881	0.029	103931	400	0.001
L1	L2	SLV 16	2053881	0.029	103931	400	0.001
L1	L3	SLV 1	2760393	0.387	426060	503	0.005
L1	L3	SLV 2	2760393	0.387	426060	503	0.005
L1	L3	SLV 3	2766075	0.335	411362	503	0.004
L1	L3	SLV 4	2766075	0.335	411362	503	0.004
L1	L3	SLV 5	2755276	0.493	487483	503	0.006
L1	L3	SLV 6	2755276	0.493	487483	503	0.006
L1	L3	SLV 7	2774216	0.435	516406	503	0.005
L1	L3	SLV 8	2774216	0.435	516406	503	0.005
L1	L3	SLV 9	2756572	0.474	433089	503	0.006
L1	L3	SLV 10	2756572	0.474	433089	503	0.006
L1	L3	SLV 11	2775512	0.479	525981	503	0.005
L1	L3	SLV 12	2775512	0.479	525981	503	0.005
L1	L3	SLV 13	2764713	0.396	290995	503	0.007
L1	L3	SLV 14	2764713	0.396	290995	503	0.007
L1	L3	SLV 15	2770395	0.423	363901	503	0.006
L1	L3	SLV 16	2770395	0.423	363901	503	0.006
L2	L3	SLV 1	2760393	0.117	426060	103	0.007
L2	L3	SLV 2	2760393	0.117	426060	103	0.007
L2	L3	SLV 3	2766075	0.188	411362	103	0.012
L2	L3	SLV 4	2766075	0.188	411362	103	0.012
L2	L3	SLV 5	2755276	0.234	487483	103	0.013
L2	L3	SLV 6	2755276	0.234	487483	103	0.013
L2	L3	SLV 7	2774216	0.268	516406	103	0.014
L2	L3	SLV 8	2774216	0.268	516406	103	0.014
L2	L3	SLV 9	2756572	0.276	433089	103	0.017
L2	L3	SLV 10	2756572	0.276	433089	103	0.017
L2	L3	SLV 11	2775512	0.216	525981	103	0.011
L2	L3	SLV 12	2775512	0.216	525981	103	0.011
L2	L3	SLV 13	2764713	0.175	290995	103	0.016
L2	L3	SLV 14	2764713	0.175	290995	103	0.016
L2	L3	SLV 15	2770395	0.072	363901	103	0.005
L2	L3	SLV 16	2770395	0.072	363901	103	0.005
L3	L4	SLV 1	2251238	2.057	907168	430	0.012
L3	L4	SLV 2	2251238	2.057	907168	430	0.012
L3	L4	SLV 3	2246552	2.044	912210	430	0.012

Quota inf.	Quota sup.	Comb.	Carico verticale	Spostamento	Forza orizzontale totale	Altezza del piano	Theta
		N.b.					
L3	L4	SLV 4	2246552	2.044	912210	430	0.012
L3	L4	SLV 5	2270730	2.206	943821	430	0.012
L3	L4	SLV 6	2270730	2.206	943821	430	0.012
L3	L4	SLV 7	2255112	2.186	948668	430	0.012
L3	L4	SLV 8	2255112	2.186	948668	430	0.012
L3	L4	SLV 9	2282752	2.236	948666	430	0.013
L3	L4	SLV 10	2282752	2.236	948666	430	0.013
L3	L4	SLV 11	2267134	2.233	943818	430	0.012
L3	L4	SLV 12	2267134	2.233	943818	430	0.012
L3	L4	SLV 13	2291312	2.183	912201	430	0.013
L3	L4	SLV 14	2291312	2.183	912201	430	0.013
L3	L4	SLV 15	2286626	2.187	907160	430	0.013
L3	L4	SLV 16	2286626	2.187	907160	430	0.013
L4	L5	SLV 1	701474	0.877	380527	310	0.005
L4	L5	SLV 2	701474	0.877	380527	310	0.005
L4	L5	SLV 3	695484	1.03	381122	310	0.006
L4	L5	SLV 4	695484	1.03	381122	310	0.006
L4	L5	SLV 5	715535	1.269	410358	310	0.007
L4	L5	SLV 6	715535	1.269	410358	310	0.007
L4	L5	SLV 7	695569	1.358	411025	310	0.007
L4	L5	SLV 8	695569	1.358	411025	310	0.007
L4	L5	SLV 9	721597	1.389	411222	310	0.008
L4	L5	SLV 10	721597	1.389	411222	310	0.008
L4	L5	SLV 11	701632	1.236	410886	310	0.007
L4	L5	SLV 12	701632	1.236	410886	310	0.007
L4	L5	SLV 13	721682	1.043	382367	310	0.006
L4	L5	SLV 14	721682	1.043	382367	310	0.006
L4	L5	SLV 15	715693	0.864	381881	310	0.005
L4	L5	SLV 16	715693	0.864	381881	310	0.005
L4	L7	SLV 1	566441	1.219	351497	420	0.005
L4	L7	SLV 2	566441	1.219	351497	420	0.005
L4	L7	SLV 3	566466	1.315	349342	420	0.005
L4	L7	SLV 4	566466	1.315	349342	420	0.005
L4	L7	SLV 5	569421	1.439	365230	420	0.005
L4	L7	SLV 6	569421	1.439	365230	420	0.005
L4	L7	SLV 7	569503	1.487	363157	420	0.006
L4	L7	SLV 8	569503	1.487	363157	420	0.006
L4	L7	SLV 9	572000	1.563	363157	420	0.006
L4	L7	SLV 10	572000	1.563	363157	420	0.006
L4	L7	SLV 11	572082	1.415	365230	420	0.005
L4	L7	SLV 12	572082	1.415	365230	420	0.005
L4	L7	SLV 13	575037	1.43	349342	420	0.006
L4	L7	SLV 14	575037	1.43	349342	420	0.006
L4	L7	SLV 15	575062	1.307	351497	420	0.005
L4	L7	SLV 16	575062	1.307	351497	420	0.005
L7	L8	SLV 1	86691	1.908	42083	197	0.02
L7	L8	SLV 2	86691	1.908	42083	197	0.02
L7	L8	SLV 3	98363	1.998	41998	197	0.024
L7	L8	SLV 4	98363	1.998	41998	197	0.024
L7	L8	SLV 5	65084	0.873	13694	197	0.021
L7	L8	SLV 6	65084	0.873	13694	197	0.021
L7	L8	SLV 7	103994	1.021	14372	197	0.038
L7	L8	SLV 8	103994	1.021	14372	197	0.038
L7	L8	SLV 9	58237	1.103	15309	197	0.021
L7	L8	SLV 10	58237	1.103	15309	197	0.021
L7	L8	SLV 11	97147	0.859	17036	197	0.025
L7	L8	SLV 12	97147	0.859	17036	197	0.025
L7	L8	SLV 13	63868	2.066	44386	197	0.015
L7	L8	SLV 14	63868	2.066	44386	197	0.015
L7	L8	SLV 15	75540	1.965	44718	197	0.017
L7	L8	SLV 16	75540	1.965	44718	197	0.017

Tagli ai livelli

***Livello**: livello rispetto a cui è calcolato il taglio.*
***Nome**: nome completo del livello.*
***Cont.**: Contesto nel quale viene valutato il taglio.*
***N.br.**: nome breve della condizione o combinazione di carico.*
***Totale**: totale del taglio al livello.*
***F**: forza del taglio. [daN]*
***X**: componente lungo l'asse X globale. [daN]*
***Y**: componente lungo l'asse Y globale. [daN]*
***Z**: componente lungo l'asse Z globale. [daN]*
***Aste verticali**: contributo al taglio totale dato dalle aste verticali.*
***F**: forza del taglio. [daN]*
***X**: componente lungo l'asse X globale. [daN]*
***Y**: componente lungo l'asse Y globale. [daN]*
***Z**: componente lungo l'asse Z globale. [daN]*
***Pareti**: contributo al taglio totale dato dalle pareti e piastre generiche verticali.*
***F**: forza del taglio. [daN]*
***X**: componente lungo l'asse X globale. [daN]*
***Y**: componente lungo l'asse Y globale. [daN]*
***Z**: componente lungo l'asse Z globale. [daN]*

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Seminterrato	Pesi	-84796	30039	-2666503	-27287	7738	-800850	-57509	22301	-1865653
Seminterrato	Port.	-7706	2833	-292835	-2361	1557	-113648	-5345	1276	-179188
Seminterrato	Variabile H	-1909	727	-33736	-575	186	-9181	-1334	540	-24555
Seminterrato	Neve	-1114	188	-20280	-258	102	-5797	-856	86	-14483

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Seminterrato	Variabile C	-6244	4586	-301371	-2082	1504	-124328	-4162	3083	-177043
Seminterrato	X SLV	83521	9689	220239	486	1640	222941	83035	8048	-2703
Seminterrato	Y SLV	22789	194690	-194760	10824	15392	-9898	11964	179298	-184862
Seminterrato	X SLD	36968	4288	97457	215	726	98654	36754	3562	-1197
Seminterrato	Y SLD	10093	86151	-86183	4790	6811	-4380	5303	79340	-81803
Seminterrato	X SLO	44441	5236	117157	272	887	118524	44169	4349	-1367
Seminterrato	Y SLO	12228	103715	-103572	5769	8200	-5329	6459	95515	-98243
Seminterrato	R Ux	0	0	1	0	0	1	0	0	0
Seminterrato	R Uy	0	0	0	0	0	0	0	0	0
Seminterrato	R Rz	0	0	0	0	0	0	0	0	0
Seminterrato	SLU 1	-90961	32306	-2900771	-29175	8984	-891769	-61785	23322	-2009003
Seminterrato	SLU 2	-100327	39185	-3352827	-32298	11239	-1078261	-68029	27946	-2274567
Seminterrato	SLU 3	-101163	39326	-3368038	-32492	11316	-1082608	-68671	28010	-2285429
Seminterrato	SLU 4	-92632	32587	-2931192	-29562	9137	-900464	-63070	23450	-2030727
Seminterrato	SLU 5	-99188	37403	-3247631	-31748	10716	-1031009	-67440	26687	-2216622
Seminterrato	SLU 6	-93824	33395	-2951376	-30038	9263	-905540	-63786	24132	-2045835
Seminterrato	SLU 7	-100380	38211	-3267815	-32223	10842	-1036085	-68157	27369	-2231730
Seminterrato	SLU 8	-94659	33536	-2966586	-30231	9340	-909888	-64428	24196	-2056698
Seminterrato	SLU 9	-101216	38352	-3283025	-32417	10919	-1040432	-68799	27433	-2242593
Seminterrato	SLU 10	-96355	34289	-3105756	-30828	10074	-971322	-65527	24215	-2134434
Seminterrato	SLU 11	-105721	41168	-3557812	-33951	12329	-1157814	-71770	28839	-2399998
Seminterrato	SLU 12	-106556	41309	-3573022	-34144	12406	-1162162	-72413	28903	-2410860
Seminterrato	SLU 13	-98026	34570	-3136176	-31215	10226	-980018	-66811	24344	-2156159
Seminterrato	SLU 14	-104582	39386	-3452616	-33400	11805	-1110562	-71182	27580	-2342054
Seminterrato	SLU 15	-99218	35378	-3156360	-31690	10353	-985093	-67528	25025	-2171267
Seminterrato	SLU 16	-105774	40194	-3472799	-33876	11932	-1115638	-71898	28262	-2357162
Seminterrato	SLU 17	-100053	35519	-3171570	-31883	10429	-989441	-68170	25090	-2182129
Seminterrato	SLU 18	-106610	40335	-3488010	-34069	12008	-1119986	-72540	28327	-2368024
Seminterrato	SLU 19	-116400	41317	-3700722	-37362	11305	-1132024	-79038	30012	-2568698
Seminterrato	SLU 20	-125766	48197	-4152778	-40484	13561	-1318516	-85282	34636	-2834262
Seminterrato	SLU 21	-126601	48338	-4167988	-40678	13637	-1322864	-85924	34700	-2845125
Seminterrato	SLU 22	-118071	41599	-3731143	-37748	11458	-1140719	-80322	30140	-2590423
Seminterrato	SLU 23	-124627	46414	-4047582	-39934	13037	-1271264	-84693	33377	-2776318
Seminterrato	SLU 24	-119263	42407	-3751326	-38224	11585	-1145795	-81039	30822	-2605531
Seminterrato	SLU 25	-125819	47223	-4067766	-40410	13164	-1276340	-85409	34059	-2791426
Seminterrato	SLU 26	-120098	42548	-3766537	-38417	11661	-1150143	-81681	30887	-2616394
Seminterrato	SLU 27	-126655	47364	-4082976	-40603	13240	-1280688	-86052	34123	-2802288
Seminterrato	SLU 28	-121794	43300	-3905707	-39014	12395	-1211577	-82779	30905	-2694130
Seminterrato	SLU 29	-131160	50180	-4357763	-42137	14651	-1398069	-89023	35529	-2959694
Seminterrato	SLU 30	-131995	50321	-4372973	-42330	14727	-1402417	-89665	35593	-2970556
Seminterrato	SLU 31	-123465	43582	-3936127	-39401	12548	-1220273	-84064	31034	-2715855
Seminterrato	SLU 32	-130021	48397	-4252566	-41587	14127	-1350817	-88434	34271	-2901749
Seminterrato	SLU 33	-124657	44390	-3956311	-39876	12675	-1225349	-84780	31716	-2730962
Seminterrato	SLU 34	-131213	49206	-4272750	-42062	14253	-1355893	-89151	34952	-2916857
Seminterrato	SLU 35	-125492	44531	-3971521	-40069	12751	-1229696	-85423	31780	-2741825
Seminterrato	SLU 36	-132048	49347	-4287961	-42255	14330	-1360241	-89793	35017	-2927720
Seminterrato	SLE RA 1	-92502	32872	-2959338	-29648	9295	-914498	-62854	23577	-2044840
Seminterrato	SLE RA 2	-98746	37458	-3260709	-31729	10799	-1038826	-67017	26659	-2221883
Seminterrato	SLE RA 3	-99303	37552	-3270849	-31858	10850	-1041725	-67445	26702	-2229124
Seminterrato	SLE RA 4	-93616	33060	-2979619	-29905	9397	-920295	-63710	23663	-2059323
Seminterrato	SLE RA 5	-97987	36270	-3190578	-31363	10450	-1007325	-66624	25820	-2183253
Seminterrato	SLE RA 6	-94411	33599	-2993074	-30222	9482	-923679	-64188	24117	-2069395
Seminterrato	SLE RA 7	-98781	36809	-3204034	-31680	10534	-1010709	-67102	26275	-2193325
Seminterrato	SLE RA 8	-94968	33693	-3003215	-30351	9532	-926578	-64616	24160	-2076637
Seminterrato	SLE RA 9	-99338	36903	-3214174	-31809	10585	-1013607	-67530	26318	-2200567
Seminterrato	SLE FR 1	-92502	32872	-2959338	-29648	9295	-914498	-62854	23577	-2044840
Seminterrato	SLE FR 2	-96873	36083	-3170298	-31105	10348	-1001528	-65768	25735	-2168770
Seminterrato	SLE FR 3	-92725	32910	-2963394	-29699	9316	-915657	-63025	23594	-2047737
Seminterrato	SLE FR 4	-96471	35661	-3144217	-30948	10218	-990254	-65523	25444	-2153962
Seminterrato	SLE QP 1	-92502	32872	-2959338	-29648	9295	-914498	-62854	23577	-2044840
Seminterrato	SLE QP 2	-96248	35624	-3140161	-30897	10197	-989095	-65352	25426	-2151066
Seminterrato	SLO 1	-144358	-727	-3226246	-32900	6851	-1106020	-111458	-7577	-2120226
Seminterrato	SLO 2	-144358	-727	-3226246	-32900	6851	-1106020	-111458	-7577	-2120226
Seminterrato	SLO 3	-137021	61503	-3288389	-29438	11771	-1109218	-107583	49732	-2179172
Seminterrato	SLO 4	-137021	61503	-3288389	-29438	11771	-1109218	-107583	49732	-2179172
Seminterrato	SLO 5	-121808	-69662	-3071736	-36747	1731	-1019323	-85061	-71393	-2052412
Seminterrato	SLO 6	-121808	-69662	-3071736	-36747	1731	-1019323	-85061	-71393	-2052412
Seminterrato	SLO 7	-97353	137768	-3278880	-25209	18131	-1029981	-72143	119637	-2248899
Seminterrato	SLO 8	-97353	137768	-3278880	-25209	18131	-1029981	-72143	119637	-2248899
Seminterrato	SLO 9	-95144	-66520	-3001442	-36584	2263	-948209	-58560	-68784	-2053233
Seminterrato	SLO 10	-95144	-66520	-3001442	-36584	2263	-948209	-58560	-68784	-2053233
Seminterrato	SLO 11	-70688	140910	-3208586	-25046	18664	-958866	-45642	122246	-2249719
Seminterrato	SLO 12	-70688	140910	-3208586	-25046	18664	-958866	-45642	122246	-2249719
Seminterrato	SLO 13	-55476	9745	-2991932	-32355	8624	-868972	-23121	1121	-2122960
Seminterrato	SLO 14	-55476	9745	-2991932	-32355	8624	-868972	-23121	1121	-2122960
Seminterrato	SLO 15	-48139	71974	-3054075	-28894	13544	-872169	-19245	58430	-2181906
Seminterrato	SLO 16	-48139	71974	-3054075	-28894	13544	-872169	-19245	58430	-2181906
Seminterrato	SLD 1	-136245	5490	-3211763	-32548	7428	-1086434	-103696	-1938	-2125328
Seminterrato	SLD 2	-136245	5490	-3211763	-32548	7428	-1086434	-103696	-1938	-2125328
Seminterrato	SLD 3	-130189	57181	-3263473	-29674	11515	-1089063	-100515	45666	-2174410
Seminterrato	SLD 4	-130189	57181	-3263473	-29674	11515	-1089063	-100515	45666	-2174410
Seminterrato	SLD 5	-117432	-51814	-3083215	-35751	3168	-1014311	-81680	-54982	-2068904
Seminterrato	SLD 6	-117432	-51814	-3083215	-35751	3168	-1014311	-81680	-54982	-2068904
Seminterrato	SLD 7	-97246	120489	-3255581	-26171	16791	-1023071	-71075	103698	-2232510
Seminterrato	SLD 8	-97246	120489	-3255581	-26171	16791	-1023071	-71075	103698	-2232510
Seminterrato	SLD 9	-95251	-49241	-3024740	-35622	3604	-955119	-59628	-52845	-2069622
Seminterrato	SLD 10	-95251	-49241	-3024740	-35622	3604	-955119	-59628	-52845	-2069622
Seminterrato	SLD 11	-75065	123062	-3197107	-26042	17226	-963879	-49023	105835	-2233228
Seminterrato	SLD 12	-75065	123062	-3197107	-26042	17226	-963879	-49023	105835	-2233228
Seminterrato	SLD 13	-62308	14067	-3016849	-32119	8880	-889127	-30189	5187	-2127721
Seminterrato	SLD 14	-62308	14067	-3016849	-32119	8880	-889127	-30189	5187	-2127721
Seminterrato	SLD 15	-56252	65758	-3068559	-29245	12967	-891755	-27007	52791	-2176803
Seminterrato	SLD 16	-56252	65758	-3068559	-29245	12967	-891755	-27007	52791	-2176803
Seminterrato	SLV 1	-186606	-32472	-3301971	-34630	3940	-1209067	-151976	-36411	-2092905
Seminterrato	SLV 2	-186606	-32472	-3301971	-34630	3940	-1209067	-151976	-36411	-2092905
Seminterrato	SLV 3	-172932	84342	-3418827	-28136	13175	-1215005	-144797	71168	-2203822
Seminterrato	SLV 4	-172932	84342	-3418827	-28136	13175	-1215005	-144797	71168	-2203822
Seminterrato	SLV 5	-144093	-161972	-3011472	-41867	-5686	-1046079	-102227	-156286	-1965393
Seminterrato	SLV 6	-144093	-161972	-3011472	-41867	-5686	-1046079	-102227	-156286	-1965393

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Seminterrato	SLV 7	-98516	227407	-3400992	-20218	25097	-1065875	-78298	202310	-2335117
Seminterrato	SLV 8	-98516	227407	-3400992	-20218	25097	-1065875	-78298	202310	-2335117
Seminterrato	SLV 9	-93981	-156159	-2879329	-41575	-4702	-912315	-52406	-151457	-1967014
Seminterrato	SLV 10	-93981	-156159	-2879329	-41575	-4702	-912315	-52406	-151457	-1967014
Seminterrato	SLV 11	-48403	233220	-3268849	-19927	26081	-932111	-28477	207139	-2336739
Seminterrato	SLV 12	-48403	233220	-3268849	-19927	26081	-932111	-28477	207139	-2336739
Seminterrato	SLV 13	-19564	-13094	-2861494	-33658	7220	-763184	14093	-20315	-2098310
Seminterrato	SLV 14	-19564	-13094	-2861494	-33658	7220	-763184	14093	-20315	-2098310
Seminterrato	SLV 15	-5891	103719	-2978350	-27163	16455	-769123	21272	87264	-2209227
Seminterrato	SLV 16	-5891	103719	-2978350	-27163	16455	-769123	21272	87264	-2209227
Seminterrato	SLV FO 1	-195641	-39281	-3318152	-35003	3314	-1231064	-160638	-42595	-2087088
Seminterrato	SLV FO 2	-195641	-39281	-3318152	-35003	3314	-1231064	-160638	-42595	-2087088
Seminterrato	SLV FO 3	-180601	89214	-3446694	-27859	13472	-1237596	-152741	75742	-2209098
Seminterrato	SLV FO 4	-180601	89214	-3446694	-27859	13472	-1237596	-152741	75742	-2209098
Seminterrato	SLV FO 5	-148878	-181732	-2998603	-42964	-7275	-1051778	-105914	-174457	-1946826
Seminterrato	SLV FO 6	-148878	-181732	-2998603	-42964	-7275	-1051778	-105914	-174457	-1946826
Seminterrato	SLV FO 7	-98743	246585	-3427076	-19150	26587	-1073553	-79592	219998	-2353522
Seminterrato	SLV FO 8	-98743	246585	-3427076	-19150	26587	-1073553	-79592	219998	-2353522
Seminterrato	SLV FO 9	-93754	-175338	-2853246	-42643	-6192	-904636	-51111	-169145	-1948609
Seminterrato	SLV FO 10	-93754	-175338	-2853246	-42643	-6192	-904636	-51111	-169145	-1948609
Seminterrato	SLV FO 11	-43619	252980	-3281718	-18830	27670	-926412	-24789	225310	-2355306
Seminterrato	SLV FO 12	-43619	252980	-3281718	-18830	27670	-926412	-24789	225310	-2355306
Seminterrato	SLV FO 13	-11896	-17966	-2833627	-33934	6923	-740593	22038	-24889	-2093034
Seminterrato	SLV FO 14	-11896	-17966	-2833627	-33934	6923	-740593	22038	-24889	-2093034
Seminterrato	SLV FO 15	3145	110529	-2962169	-26790	17081	-747126	29935	93448	-2215043
Seminterrato	SLV FO 16	3145	110529	-2962169	-26790	17081	-747126	29935	93448	-2215043
Seminterrato	CRTFP Ux+	0	0	1	0	0	1	0	0	0
Seminterrato	CRTFP Ux-	0	0	-1	0	0	-1	0	0	0
Seminterrato	CRTFP Uy+	0	0	0	0	0	0	0	0	0
Seminterrato	CRTFP Uy-	0	0	0	0	0	0	0	0	0
Seminterrato	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Seminterrato	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Fond 2	Pesi	-44719	35128	-2476460	-21542	5937	-722500	-23177	29191	-1753959
Fond 2	Port.	-4652	-310	-385129	-1752	1265	-111895	-2900	-1576	-273234
Fond 2	Variabile H	-1253	429	-47176	-526	155	-8965	-727	274	-38211
Fond 2	Neve	-836	164	-28249	-238	86	-5714	-598	77	-22536
Fond 2	Variabile C	-3138	1044	-388126	-1399	1203	-122438	-1740	-159	-265689
Fond 2	X SLV	345611	25141	35999	-7073	2921	207685	352684	22219	-171686
Fond 2	Y SLV	33578	485946	-29052	10884	12151	-28106	22694	473795	-946
Fond 2	X SLD	152913	11129	15925	-3130	1293	91902	156043	9836	-75977
Fond 2	Y SLD	14864	214948	-12872	4817	5377	-12440	10047	209570	-432
Fond 2	X SLO	183768	13316	20362	-3750	1569	110408	187518	11747	-90047
Fond 2	Y SLO	18010	258656	-15989	5801	6474	-15029	12209	252181	-960
Fond 2	R Ux	0	0	0	0	0	1	0	0	0
Fond 2	R Uy	0	1	0	0	0	0	0	1	0
Fond 2	R Rz	0	0	0	0	0	0	0	0	0
Fond 2	SLU 1	-48441	34880	-2784563	-22944	6949	-812016	-25497	27931	-1972547
Fond 2	SLU 2	-53148	36446	-3366752	-25042	8754	-995672	-28106	27692	-2371080
Fond 2	SLU 3	-53775	36568	-3387939	-25220	8819	-999957	-28555	27750	-2387982
Fond 2	SLU 4	-49695	35126	-2826937	-23300	7079	-820586	-26395	28047	-2006350
Fond 2	SLU 5	-52990	36221	-3234469	-24769	8342	-949146	-28221	27880	-2285324
Fond 2	SLU 6	-50320	35524	-2855327	-23733	7181	-825463	-26587	28342	-2029863
Fond 2	SLU 7	-53615	36619	-3262859	-25202	8444	-954023	-28413	28175	-2308837
Fond 2	SLU 8	-50947	35646	-2876514	-23911	7246	-829748	-27036	28400	-2046765
Fond 2	SLU 9	-54242	36742	-3284046	-25380	8509	-958308	-28862	28233	-2325738
Fond 2	SLU 10	-51697	34663	-3054153	-24170	7835	-890342	-27527	26828	-2163811
Fond 2	SLU 11	-56404	36229	-3636343	-26268	9640	-1073999	-30136	26589	-2562344
Fond 2	SLU 12	-57031	36351	-3657530	-26447	9704	-1078284	-30585	26647	-2579246
Fond 2	SLU 13	-52951	34908	-3096527	-24527	7964	-898913	-28424	26944	-2197614
Fond 2	SLU 14	-56246	36004	-3504060	-25995	9228	-1027472	-30251	26777	-2476588
Fond 2	SLU 15	-53576	35306	-3124917	-24960	8067	-903790	-28616	27240	-2221127
Fond 2	SLU 16	-56871	36402	-3532450	-26428	9330	-1032349	-30443	27072	-2500101
Fond 2	SLU 17	-54203	35429	-3146104	-25138	8132	-908075	-29065	27298	-2238029
Fond 2	SLU 18	-57498	36525	-3553637	-26607	9395	-1036634	-30892	27130	-2517002
Fond 2	SLU 19	-61856	45419	-3527501	-29406	8730	-1028766	-32450	36688	-2498735
Fond 2	SLU 20	-66564	46984	-4109690	-31505	10535	-1212422	-35059	36449	-2897268
Fond 2	SLU 21	-67191	47107	-4130877	-31683	10600	-1216708	-35508	36507	-2914170
Fond 2	SLU 22	-63111	45664	-3569875	-29763	8860	-1037336	-33348	36804	-2532538
Fond 2	SLU 23	-66406	46760	-3977407	-31232	10123	-1165896	-35174	36637	-2811511
Fond 2	SLU 24	-63736	46062	-3598265	-30196	8962	-1042213	-33540	37100	-2556051
Fond 2	SLU 25	-67031	47158	-4005797	-31664	10225	-1170773	-35366	36933	-2835024
Fond 2	SLU 26	-64363	46185	-3619452	-30374	9027	-1046499	-33989	37158	-2572953
Fond 2	SLU 27	-67658	47281	-4026984	-31843	10290	-1175058	-35815	36990	-2851926
Fond 2	SLU 28	-65113	45201	-3797091	-30633	9616	-1107092	-34480	35586	-2689999
Fond 2	SLU 29	-69820	46767	-4379280	-32731	11421	-1290749	-37089	35346	-3088532
Fond 2	SLU 30	-70447	46890	-4400467	-32909	11485	-1295034	-37538	35404	-3105434
Fond 2	SLU 31	-66367	45447	-3839465	-30989	9745	-1115663	-35377	35702	-2723802
Fond 2	SLU 32	-69662	46543	-4246997	-32458	11009	-1244222	-37204	35534	-3002775
Fond 2	SLU 33	-66992	45845	-3867855	-31422	9848	-1120540	-35570	35997	-2747315
Fond 2	SLU 34	-70287	46941	-4275387	-32891	11111	-1249099	-37396	35830	-3026288
Fond 2	SLU 35	-67619	45968	-3889042	-31600	9913	-1124825	-36018	36055	-2764217
Fond 2	SLU 36	-70914	47064	-4296574	-33069	11176	-1253384	-37845	35888	-3043190
Fond 2	SLE RA 1	-49371	34818	-2861589	-23294	7202	-834395	-26077	27616	-2027194
Fond 2	SLE RA 2	-52509	35862	-3249715	-24693	8405	-956832	-27816	27456	-2292882
Fond 2	SLE RA 3	-52927	35944	-3263840	-24812	8448	-959689	-28116	27495	-2304150
Fond 2	SLE RA 4	-50207	34982	-2889838	-23532	7288	-840108	-26675	27693	-2049729
Fond 2	SLE RA 5	-52404	35712	-3161526	-24511	8131	-925815	-27893	27582	-2235711
Fond 2	SLE RA 6	-50624	35247	-2908764	-23820	7357	-843360	-26803	27890	-2065405
Fond 2	SLE RA 7	-52821	35978	-3180453	-24800	8199	-929066	-28021	27779	-2251387
Fond 2	SLE RA 8	-51042	35329	-2922889	-23939	7400	-846217	-27103	27929	-2076673
Fond 2	SLE RA 9	-53239	36059	-3194578	-24918	8242	-931923	-28320	27817	-2262655
Fond 2	SLE FR 1	-49371	34818	-2861589	-23294	7202	-834395	-26077	27616	-2027194
Fond 2	SLE FR 2	-51568	35549	-3133277	-24273	8044	-920101	-27294	27504	-2213176
Fond 2	SLE FR 3	-49538	34851	-2867238	-23342	7219	-835538	-26196	27631	-2031701
Fond 2	SLE FR 4	-51421	35477	-3100114	-24181	7941	-909000	-27240	27536	-2191114
Fond 2	SLE QP 1	-49371	34818	-2861589	-23294	7202	-834395	-26077	27616	-2027194
Fond 2	SLE QP 2	-51254	35444	-3094464	-24133	7924	-907857	-27121	27520	-2186607
Fond 2	SLO 1	-240424	-55468	-3110029	-22123	4413	-1013757	-218301	-59881	-2096272
Fond 2	SLO 2	-240424	-55468	-3110029	-22123	4413	-1013757	-218301	-59881	-2096272

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Fond 2	SLO 3	-229618	99725	-3119623	-18643	8298	-1022774	-210976	91427	-2096848
Fond 2	SLO 4	-229618	99725	-3119623	-18643	8298	-1022774	-210976	91427	-2096848
Fond 2	SLO 5	-124394	-227206	-3084584	-28809	979	-925951	-95585	-228185	-2158633
Fond 2	SLO 6	-124394	-227206	-3084584	-28809	979	-925951	-95585	-228185	-2158633
Fond 2	SLO 7	-88374	290105	-3116562	-17208	13928	-956009	-71167	276177	-2160553
Fond 2	SLO 8	-88374	290105	-3116562	-17208	13928	-956009	-71167	276177	-2160553
Fond 2	SLO 9	-14134	-219216	-3072367	-31059	1920	-859706	16926	-221137	-2212661
Fond 2	SLO 10	-14134	-219216	-3072367	-31059	1920	-859706	16926	-221137	-2212661
Fond 2	SLO 11	21886	298095	-3104345	-19458	14869	-889764	41344	283226	-2214581
Fond 2	SLO 12	21886	298095	-3104345	-19458	14869	-889764	41344	283226	-2214581
Fond 2	SLO 13	127111	-28836	-3069306	-29624	7550	-792940	156735	-36387	-2276366
Fond 2	SLO 14	127111	-28836	-3069306	-29624	7550	-792940	156735	-36387	-2276366
Fond 2	SLO 15	137917	126357	-3078899	-26144	11435	-801958	164060	114922	-2276942
Fond 2	SLO 16	137917	126357	-3078899	-26144	11435	-801958	164060	114922	-2276942
Fond 2	SLD 1	-208626	-40169	-3106528	-22448	5018	-996028	-186178	-45187	-2110500
Fond 2	SLD 2	-208626	-40169	-3106528	-22448	5018	-996028	-186178	-45187	-2110500
Fond 2	SLD 3	-199708	88799	-3114251	-19559	8244	-1003492	-180149	80555	-2110759
Fond 2	SLD 4	-199708	88799	-3114251	-19559	8244	-1003492	-180149	80555	-2110759
Fond 2	SLD 5	-111992	-182842	-3086370	-28011	2159	-922988	-83981	-185001	-2163382
Fond 2	SLD 6	-111992	-182842	-3086370	-28011	2159	-922988	-83981	-185001	-2163382
Fond 2	SLD 7	-82264	247053	-3112114	-18378	12914	-947868	-63886	234139	-2164246
Fond 2	SLD 8	-82264	247053	-3112114	-18378	12914	-947868	-63886	234139	-2164246
Fond 2	SLD 9	-20244	-176164	-3076815	-29889	2935	-867847	9645	-179099	-2208968
Fond 2	SLD 10	-20244	-176164	-3076815	-29889	2935	-867847	9645	-179099	-2208968
Fond 2	SLD 11	9484	253731	-3102559	-20256	13689	-892727	29740	240041	-2209832
Fond 2	SLD 12	9484	253731	-3102559	-20256	13689	-892727	29740	240041	-2209832
Fond 2	SLD 13	97200	-17911	-3074678	-28708	7604	-812223	125908	-25514	-2262455
Fond 2	SLD 14	97200	-17911	-3074678	-28708	7604	-812223	125908	-25514	-2262455
Fond 2	SLD 15	106118	111058	-3082401	-25818	10830	-819687	131937	100228	-2262714
Fond 2	SLD 16	106118	111058	-3082401	-25818	10830	-819687	131937	100228	-2262714
Fond 2	SLV 1	-406938	-135480	-3121748	-20326	1357	-1107110	-386613	-136838	-2014638
Fond 2	SLV 2	-406938	-135480	-3121748	-20326	1357	-1107110	-386613	-136838	-2014638
Fond 2	SLV 3	-386792	156088	-3139179	-13795	8648	-1123974	-372997	147439	-2015205
Fond 2	SLV 4	-386792	156088	-3139179	-13795	8648	-1123974	-372997	147439	-2015205
Fond 2	SLV 5	-188515	-458044	-3076212	-32896	-5104	-942056	-155619	-452940	-2134155
Fond 2	SLV 6	-188515	-458044	-3076212	-32896	-5104	-942056	-155619	-452940	-2134155
Fond 2	SLV 7	-121359	513848	-3134316	-11127	19199	-998269	-110232	494649	-2136047
Fond 2	SLV 8	-121359	513848	-3134316	-11127	19199	-998269	-110232	494649	-2136047
Fond 2	SLV 9	18852	-442960	-3054612	-37140	-3351	-817446	55991	-439609	-2237167
Fond 2	SLV 10	18852	-442960	-3054612	-37140	-3351	-817446	55991	-439609	-2237167
Fond 2	SLV 11	86007	528933	-3112717	-15371	20952	-873658	101378	507981	-2239059
Fond 2	SLV 12	86007	528933	-3112717	-15371	20952	-873658	101378	507981	-2239059
Fond 2	SLV 13	284284	-85199	-3049749	-34472	7200	-691741	318756	-92399	-2358009
Fond 2	SLV 14	284284	-85199	-3049749	-34472	7200	-691741	318756	-92399	-2358009
Fond 2	SLV 15	304431	206369	-3067181	-27941	14491	-708605	332372	191878	-2358576
Fond 2	SLV 16	304431	206369	-3067181	-27941	14491	-708605	332372	191878	-2358576
Fond 2	SLV FO 1	-442507	-152573	-3124476	-19945	701	-1127035	-422562	-153273	-1997441
Fond 2	SLV FO 2	-442507	-152573	-3124476	-19945	701	-1127035	-422562	-153273	-1997441
Fond 2	SLV FO 3	-420346	168152	-3143651	-12761	8721	-1145586	-407584	159431	-1998065
Fond 2	SLV FO 4	-420346	168152	-3143651	-12761	8721	-1145586	-407584	159431	-1998065
Fond 2	SLV FO 5	-202241	-507393	-3074387	-33772	-6407	-945476	-168469	-500986	-2128910
Fond 2	SLV FO 6	-202241	-507393	-3074387	-33772	-6407	-945476	-168469	-500986	-2128910
Fond 2	SLV FO 7	-128370	561689	-3138302	-9827	20327	-1007310	-118543	541362	-2130991
Fond 2	SLV FO 8	-128370	561689	-3138302	-9827	20327	-1007310	-118543	541362	-2130991
Fond 2	SLV FO 9	25862	-490800	-3050627	-38440	-4479	-808404	64302	-486321	-2242223
Fond 2	SLV FO 10	25862	-490800	-3050627	-38440	-4479	-808404	64302	-486321	-2242223
Fond 2	SLV FO 11	99733	578281	-3114542	-14495	22255	-870238	114228	556027	-2244304
Fond 2	SLV FO 12	99733	578281	-3114542	-14495	22255	-870238	114228	556027	-2244304
Fond 2	SLV FO 13	317838	-97263	-3045278	-35505	7127	-670129	353343	-104391	-2375149
Fond 2	SLV FO 14	317838	-97263	-3045278	-35505	7127	-670129	353343	-104391	-2375149
Fond 2	SLV FO 15	339999	223461	-3064453	-28322	15147	-688679	368321	208314	-2375773
Fond 2	SLV FO 16	339999	223461	-3064453	-28322	15147	-688679	368321	208314	-2375773
Fond 2	CRTFP Ux+	0	0	0	0	0	1	0	0	0
Fond 2	CRTFP Ux-	0	0	0	0	0	-1	0	0	0
Fond 2	CRTFP Uy+	0	1	0	0	0	0	0	1	0
Fond 2	CRTFP Uy-	0	-1	0	0	0	0	0	-1	0
Fond 2	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Fond 2	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Piano Terra	Pesi	0	-2	-2346000	-15588	-4417	-1986943	15588	4415	-359056
Piano Terra	Port.	0	0	-298061	-1690	1801	-280049	1690	-1801	-18012
Piano Terra	Variabile H	0	0	-61985	-342	143	-58120	342	-143	-3865
Piano Terra	Neve	0	0	-36181	-134	-88	-34206	134	88	-1975
Piano Terra	Variabile C	0	0	-240532	-1883	1919	-225319	1883	-1919	-15213
Piano Terra	X SLV	970574	-1590	-54609	727822	-5452	26728	242752	3862	-81337
Piano Terra	Y SLV	-11556	1003682	44845	-12358	661663	-50984	802	342018	95829
Piano Terra	X SLD	429437	-702	-24108	322058	-2412	11858	107379	1710	-35966
Piano Terra	Y SLD	-5113	444036	19813	-5468	292773	-22572	355	151264	42384
Piano Terra	X SLO	514217	-1101	-26017	386624	-2822	15538	127593	1721	-41555
Piano Terra	Y SLO	-5023	531454	20489	-6647	351491	-27852	1624	179963	48340
Piano Terra	R Ux	1	0	0	1	0	0	0	0	0
Piano Terra	R Uy	0	1	0	0	1	0	0	0	0
Piano Terra	R Rz	0	0	0	0	0	0	0	0	0
Piano Terra	SLU 1	0	-2	-2584448	-16940	-2976	-2210982	16940	2974	-373466
Piano Terra	SLU 2	0	-2	-2945247	-19764	-97	-2548961	19764	95	-396285
Piano Terra	SLU 3	0	-2	-2972382	-19864	-163	-2574615	19864	161	-397767
Piano Terra	SLU 4	0	-2	-2638719	-17141	-3108	-2262291	17141	3106	-376428
Piano Terra	SLU 5	0	-2	-2891278	-19117	-1093	-2498876	19117	1091	-392402
Piano Terra	SLU 6	0	-2	-2677426	-17453	-2762	-2298163	17453	2760	-379263
Piano Terra	SLU 7	0	-2	-2929985	-19430	-746	-2534748	19430	744	-395237
Piano Terra	SLU 8	0	-2	-2704561	-17554	-2828	-2323817	17554	2826	-380744
Piano Terra	SLU 9	0	-2	-2957120	-19530	-812	-2560402	19530	810	-396718
Piano Terra	SLU 10	0	-2	-2793091	-18123	-1716	-2407016	18123	1714	-386074
Piano Terra	SLU 11	0	-2	-3153889	-20947	1163	-2744995	20947	-1165	-408894
Piano Terra	SLU 12	0	-2	-3181025	-21048	1097	-2770650	21048	-1099	-410375
Piano Terra	SLU 13	0	-2	-2847362	-18324	-1848	-2458325	18324	1846	-389037
Piano Terra	SLU 14	0	-2	-3099921	-20301	168	-2694910	20301	-170	-405010
Piano Terra	SLU 15	0	-2	-2886068	-18637	-1501	-2494197	18637	1499	-391872
Piano Terra	SLU 16	0	-2	-3138627	-20613	514	-2730782	20613	-516	-407845
Piano Terra	SLU 17	0	-2	-2913204	-18737	-1567	-2519851	18737	1565	-393353

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano Terra	SLU 18	0	-2	-3165763	-20714	448	-2756436	20714	-450	-409326
Piano Terra	SLU 19	0	-3	-3288248	-21616	-4301	-2807065	21616	4299	-481183
Piano Terra	SLU 20	0	-3	-3649046	-24440	-1422	-3145044	24440	1420	-504002
Piano Terra	SLU 21	0	-3	-3676182	-24541	-1488	-3170698	24541	1486	-505484
Piano Terra	SLU 22	0	-3	-3342519	-21817	-4433	-2858374	21817	4431	-484145
Piano Terra	SLU 23	0	-3	-3595078	-23794	-2418	-3094959	23794	2415	-500119
Piano Terra	SLU 24	0	-3	-3381226	-22130	-4087	-2894246	22130	4084	-486980
Piano Terra	SLU 25	0	-3	-3633785	-24106	-2071	-3130831	24106	2069	-502954
Piano Terra	SLU 26	0	-3	-3408361	-22230	-4153	-2919900	22230	4150	-488461
Piano Terra	SLU 27	0	-3	-3660920	-24207	-2137	-3156485	24207	2135	-504435
Piano Terra	SLU 28	0	-3	-3496891	-22800	-3041	-3003099	22800	3038	-493791
Piano Terra	SLU 29	0	-3	-3857689	-25624	-162	-3341078	25624	159	-516611
Piano Terra	SLU 30	0	-3	-3884824	-25724	-228	-3366733	25724	225	-518092
Piano Terra	SLU 31	0	-3	-3551162	-23000	-3173	-3054408	23000	3170	-496754
Piano Terra	SLU 32	0	-3	-3803721	-24977	-1157	-3290993	24977	1155	-512727
Piano Terra	SLU 33	0	-3	-3589868	-23313	-2826	-3090280	23313	2824	-499589
Piano Terra	SLU 34	0	-3	-3842427	-25290	-811	-3326865	25290	808	-515562
Piano Terra	SLU 35	0	-3	-3617004	-23413	-2892	-3115934	23413	2890	-501070
Piano Terra	SLU 36	0	-3	-3869563	-25390	-877	-3352519	25390	874	-517043
Piano Terra	SLE RA 1	0	-2	-2644060	-17278	-2616	-2266992	17278	2614	-377068
Piano Terra	SLE RA 2	0	-2	-2884593	-19161	-697	-2492311	19161	695	-392281
Piano Terra	SLE RA 3	0	-2	-2902683	-19228	-741	-2509414	19228	739	-393269
Piano Terra	SLE RA 4	0	-2	-2680241	-17412	-2704	-2301198	17412	2702	-379043
Piano Terra	SLE RA 5	0	-2	-2848614	-18730	-1360	-2458921	18730	1359	-389692
Piano Terra	SLE RA 6	0	-2	-2706045	-17620	-2473	-2325112	17620	2471	-380933
Piano Terra	SLE RA 7	0	-2	-2874418	-18938	-1129	-2482836	18938	1127	-391582
Piano Terra	SLE RA 8	0	-2	-2724136	-17687	-2517	-2342215	17687	2515	-381921
Piano Terra	SLE RA 9	0	-2	-2892508	-19005	-1173	-2499939	19005	1171	-392570
Piano Terra	SLE FR 1	0	-2	-2644060	-17278	-2616	-2266992	17278	2614	-377068
Piano Terra	SLE FR 2	0	-2	-2812433	-18596	-1273	-2424715	18596	1271	-387717
Piano Terra	SLE FR 3	0	-2	-2651297	-17305	-2634	-2273833	17305	2632	-377463
Piano Terra	SLE FR 4	0	-2	-2795616	-18435	-1482	-2409025	18434	1480	-386591
Piano Terra	SLE QP 1	0	-2	-2644060	-17278	-2616	-2266992	17278	2614	-377068
Piano Terra	SLE QP 2	0	-2	-2788380	-18408	-1464	-2402184	18408	1463	-386196
Piano Terra	SLO 1	-512710	-158337	-2768510	-403038	-104090	-2409366	-109672	-54247	-359143
Piano Terra	SLO 2	-512710	-158337	-2768510	-403038	-104090	-2409366	-109672	-54247	-359143
Piano Terra	SLO 3	-515724	160536	-2756216	-407025	106805	-2426077	-108698	53730	-330139
Piano Terra	SLO 4	-515724	160536	-2756216	-407025	106805	-2426077	-108698	53730	-330139
Piano Terra	SLO 5	-149242	-531126	-2801064	-127748	-352109	-2378994	-21494	-179017	-422070
Piano Terra	SLO 6	-149242	-531126	-2801064	-127748	-352109	-2378994	-21494	-179017	-422070
Piano Terra	SLO 7	-159288	531782	-2760086	-141041	350873	-2434697	-18246	180909	-325389
Piano Terra	SLO 8	-159288	531782	-2760086	-141041	350873	-2434697	-18246	180909	-325389
Piano Terra	SLO 9	159288	-531786	-2816674	104226	-353802	-2369671	55062	-177984	-447003
Piano Terra	SLO 10	159288	-531786	-2816674	104226	-353802	-2369671	55062	-177984	-447003
Piano Terra	SLO 11	149242	531122	-2775696	90933	349180	-2425374	58310	181942	-350322
Piano Terra	SLO 12	149242	531122	-2775696	90933	349180	-2425374	58310	181942	-350322
Piano Terra	SLO 13	515723	-160539	-2820543	370210	-109734	-2378290	145514	-50805	-442253
Piano Terra	SLO 14	515723	-160539	-2820543	370210	-109734	-2378290	145514	-50805	-442253
Piano Terra	SLO 15	512710	158333	-2808250	366222	101161	-2395001	146488	57172	-413249
Piano Terra	SLO 16	512710	158333	-2808250	366222	101161	-2395001	146488	57172	-413249
Piano Terra	SLD 1	-427903	-132511	-2770216	-338825	-86885	-2407270	-89078	-45626	-362946
Piano Terra	SLD 2	-427903	-132511	-2770216	-338825	-86885	-2407270	-89078	-45626	-362946
Piano Terra	SLD 3	-430971	133911	-2758328	-342106	88779	-2420813	-88865	45132	-337515
Piano Terra	SLD 4	-430971	133911	-2758328	-342106	88779	-2420813	-88865	45132	-337515
Piano Terra	SLD 5	-123718	-443828	-2800960	-109557	-293514	-2383169	-14161	-150314	-417791
Piano Terra	SLD 6	-123718	-443828	-2800960	-109557	-293514	-2383169	-14161	-150314	-417791
Piano Terra	SLD 7	-133944	444245	-2761335	-120493	292032	-2428313	-13451	152213	-333022
Piano Terra	SLD 8	-133944	444245	-2761335	-120493	292032	-2428313	-13451	152213	-333022
Piano Terra	SLD 9	133944	-444249	-2815425	83677	-294961	-2376054	50266	-149288	-439370
Piano Terra	SLD 10	133944	-444249	-2815425	83677	-294961	-2376054	50266	-149288	-439370
Piano Terra	SLD 11	123718	443824	-2775800	72742	290585	-2421198	50977	153239	-354601
Piano Terra	SLD 12	123718	443824	-2775800	72742	290585	-2421198	50977	153239	-354601
Piano Terra	SLD 13	430971	-133915	-2818431	305290	-91708	-2383554	125680	-42207	-434877
Piano Terra	SLD 14	430971	-133915	-2818431	305290	-91708	-2383554	125680	-42207	-434877
Piano Terra	SLD 15	427903	132507	-2806544	302009	83956	-2397097	125894	48551	-409447
Piano Terra	SLD 16	427903	132507	-2806544	302009	83956	-2397097	125894	48551	-409447
Piano Terra	SLV 1	-967107	-299517	-2747225	-742522	-194512	-2413617	-224585	-105005	-333608
Piano Terra	SLV 2	-967107	-299517	-2747225	-742522	-194512	-2413617	-224585	-105005	-333608
Piano Terra	SLV 3	-974041	302692	-2720318	-749937	202486	-2444207	-224104	100206	-276110
Piano Terra	SLV 4	-974041	302692	-2720318	-749937	202486	-2444207	-224104	100206	-276110
Piano Terra	SLV 5	-279617	-1003207	-2816842	-224396	-661492	-2359218	-55220	-341714	-457624
Piano Terra	SLV 6	-279617	-1003207	-2816842	-224396	-661492	-2359218	-55220	-341714	-457624
Piano Terra	SLV 7	-302728	1004157	-2727152	-249112	661834	-2461186	-53615	342322	-265966
Piano Terra	SLV 8	-302728	1004157	-2727152	-249112	661834	-2461186	-53615	342322	-265966
Piano Terra	SLV 9	302728	-1004160	-2849607	212297	-664763	-2343181	90431	-339397	-506427
Piano Terra	SLV 10	302728	-1004160	-2849607	212297	-664763	-2343181	90431	-339397	-506427
Piano Terra	SLV 11	279617	1003203	-2759917	187581	658563	-2445149	92036	344639	-314768
Piano Terra	SLV 12	279617	1003203	-2759917	187581	658563	-2445149	92036	344639	-314768
Piano Terra	SLV 13	974041	-302696	-2856442	713121	-205415	-2360160	260919	-97281	-496282
Piano Terra	SLV 14	974041	-302696	-2856442	713121	-205415	-2360160	260919	-97281	-496282
Piano Terra	SLV 15	967107	299513	-2829535	705707	191583	-2390750	261401	107930	-438784
Piano Terra	SLV 16	967107	299513	-2829535	705707	191583	-2390750	261401	107930	-438784
Piano Terra	SLV FO 1	-1063818	-329468	-2743109	-814934	-213817	-2414760	-248885	-115652	-328349
Piano Terra	SLV FO 2	-1063818	-329468	-2743109	-814934	-213817	-2414760	-248885	-115652	-328349
Piano Terra	SLV FO 3	-1071445	332962	-2713511	-823090	222881	-2448410	-248355	110080	-265102
Piano Terra	SLV FO 4	-1071445	332962	-2713511	-823090	222881	-2448410	-248355	110080	-265102
Piano Terra	SLV FO 5	-307578	-1103527	-2819688	-244995	-727495	-2354921	-62583	-376032	-464767
Piano Terra	SLV FO 6	-307578	-1103527	-2819688	-244995	-727495	-2354921	-62583	-376032	-464767
Piano Terra	SLV FO 7	-333000	1104572	-2721029	-272183	728164	-2467087	-60818	376408	-253943
Piano Terra	SLV FO 8	-333000	1104572	-2721029	-272183	728164	-2467087	-60818	376408	-253943
Piano Terra	SLV FO 9	333000	-1104576	-2855730	235367	-731093	-2337280	97633	-373483	-518450
Piano Terra	SLV FO 10	333000	-1104576	-2855730	235367	-731093	-2337280	97633	-373483	-518450
Piano Terra	SLV FO 11	307578	1103523	-2757071	208180	724566	-2449446	99399	378957	-307625
Piano Terra	SLV FO 12	307578	1103523	-2757071	208180	724566	-2449446	99399	378957	-307625
Piano Terra	SLV FO 13	1071445	-332965	-2863248	786274	-225810	-2355957	285170	-107155	-507291
Piano Terra	SLV FO 14	1071445	-332965	-2863248	786274	-225810	-2355957	285170	-107155	-507291
Piano Terra	SLV FO 15	1063818	329464	-2833650	778118	210888	-2389607	285700	118577	-444043
Piano Terra	SLV FO 16	1063818	329464	-2833650	778118	210888	-2389607	285700	118577	-444043
Piano Terra	CRTFP Ux+	1	0	0	1	0	0	0	0	0

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano Terra	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
Piano Terra	CRTFP Uy+	0	1	0	0	1	0	0	0	0
Piano Terra	CRTFP Uy-	0	-1	0	0	-1	0	0	0	0
Piano Terra	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Piano Terra	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Piano 1	Pesi	-4	0	-873791	-4643	527	-697139	4639	-527	-176652
Piano 1	Port.	0	0	-112116	-273	544	-106620	273	-544	-5495
Piano 1	Variabile H	0	0	-61985	12	-9	-58986	-12	9	-2999
Piano 1	Neve	0	0	-36181	115	-38	-34761	-115	38	-1420
Piano 1	Variabile C	0	0	0	-577	792	51	577	-792	-51
Piano 1	X SLV	426662	8280	-11426	308533	-6610	-6759	118129	14890	-4667
Piano 1	Y SLV	-3384	466277	10689	-16284	310548	-9787	12899	155729	20476
Piano 1	X SLD	188604	3663	-5063	136390	-2925	-2972	52214	6588	-2091
Piano 1	Y SLD	-1496	206111	4696	-7204	137270	-4354	5708	68840	9050
Piano 1	X SLO	225528	4219	-5616	164347	-3534	-3470	61181	7753	-2146
Piano 1	Y SLO	-1860	246580	5348	-8661	165288	-5203	6801	81292	10551
Piano 1	R Ux	1	0	0	1	0	0	0	0	0
Piano 1	R Uy	0	1	0	0	1	0	0	0	0
Piano 1	R Rz	0	0	0	0	0	0	0	0	0
Piano 1	SLU 1	-4	0	-963483	-4861	962	-782435	4857	-962	-181048
Piano 1	SLU 2	-4	0	-963483	-5727	2150	-782358	5722	-2150	-181125
Piano 1	SLU 3	-4	0	-990619	-5641	2122	-808429	5636	-2122	-182190
Piano 1	SLU 4	-4	0	-1017754	-4689	906	-834576	4685	-906	-183178
Piano 1	SLU 5	-4	0	-1017754	-5295	1737	-834522	5291	-1737	-183232
Piano 1	SLU 6	-4	0	-1056461	-4843	949	-870915	4838	-949	-185546
Piano 1	SLU 7	-4	0	-1056461	-5448	1781	-870861	5444	-1781	-185600
Piano 1	SLU 8	-4	0	-1083596	-4757	921	-896985	4752	-921	-186611
Piano 1	SLU 9	-4	0	-1083596	-5362	1752	-896932	5358	-1753	-186665
Piano 1	SLU 10	-4	0	-1041964	-5052	1343	-857069	5048	-1343	-184895
Piano 1	SLU 11	-4	0	-1041964	-5917	2531	-856992	5913	-2532	-184972
Piano 1	SLU 12	-4	0	-1069100	-5831	2503	-883063	5827	-2503	-186037
Piano 1	SLU 13	-4	0	-1096235	-4880	1287	-909211	4876	-1287	-187025
Piano 1	SLU 14	-4	0	-1096235	-5486	2118	-909157	5482	-2118	-187078
Piano 1	SLU 15	-4	0	-1134942	-5033	1330	-945549	5029	-1330	-189393
Piano 1	SLU 16	-4	0	-1134942	-5639	2162	-945495	5635	-2162	-189447
Piano 1	SLU 17	-4	0	-1162077	-4947	1302	-971620	4943	-1302	-190458
Piano 1	SLU 18	-4	0	-1162077	-5553	2134	-971566	5549	-2134	-190512
Piano 1	SLU 19	-6	0	-1225620	-6254	1120	-991577	6249	-1120	-234044
Piano 1	SLU 20	-6	0	-1225620	-7120	2308	-991500	7114	-2309	-234121
Piano 1	SLU 21	-6	0	-1252756	-7034	2280	-1017570	7028	-2280	-235186
Piano 1	SLU 22	-6	0	-1279891	-6082	1064	-1043718	6077	-1064	-236174
Piano 1	SLU 23	-6	0	-1279891	-6688	1895	-1043664	6682	-1895	-236227
Piano 1	SLU 24	-6	0	-1318598	-6236	1107	-1080056	6230	-1107	-238542
Piano 1	SLU 25	-6	0	-1318598	-6841	1939	-1080002	6836	-1939	-238596
Piano 1	SLU 26	-6	0	-1345734	-6150	1079	-1106127	6144	-1079	-239607
Piano 1	SLU 27	-6	0	-1345734	-6755	1910	-1106073	6750	-1911	-239660
Piano 1	SLU 28	-6	0	-1304101	-6445	1501	-1066211	6439	-1502	-237891
Piano 1	SLU 29	-6	0	-1304101	-7310	2689	-1066134	7305	-2690	-237967
Piano 1	SLU 30	-6	0	-1331237	-7224	2661	-1092205	7219	-2661	-239032
Piano 1	SLU 31	-6	0	-1358372	-6273	1445	-1118352	6268	-1445	-240020
Piano 1	SLU 32	-6	0	-1358372	-6879	2276	-1118298	6873	-2277	-240074
Piano 1	SLU 33	-6	0	-1397079	-6426	1488	-1154691	6421	-1488	-242388
Piano 1	SLU 34	-6	0	-1397079	-7032	2320	-1154637	7026	-2320	-242442
Piano 1	SLU 35	-6	0	-1424215	-6340	1460	-1180761	6335	-1460	-243453
Piano 1	SLU 36	-6	0	-1424215	-6946	2292	-1180707	6940	-2292	-243507
Piano 1	SLE RA 1	-4	0	-985906	-4916	1071	-803759	4911	-1071	-182147
Piano 1	SLE RA 2	-4	0	-985906	-5493	1863	-803708	5488	-1863	-182199
Piano 1	SLE RA 3	-4	0	-1003997	-5435	1844	-821088	5431	-1844	-182908
Piano 1	SLE RA 4	-4	0	-1022087	-4801	1033	-838520	4797	-1033	-183567
Piano 1	SLE RA 5	-4	0	-1022087	-5205	1588	-838484	5201	-1588	-183603
Piano 1	SLE RA 6	-4	0	-1047891	-4903	1062	-862745	4899	-1063	-185146
Piano 1	SLE RA 7	-4	0	-1047891	-5307	1617	-862710	5303	-1617	-185182
Piano 1	SLE RA 8	-4	0	-1065982	-4846	1044	-880126	4842	-1044	-185856
Piano 1	SLE RA 9	-4	0	-1065982	-5250	1598	-880090	5245	-1598	-185892
Piano 1	SLE FR 1	-4	0	-985906	-4916	1071	-803759	4911	-1071	-182147
Piano 1	SLE FR 2	-4	0	-985906	-5320	1626	-803723	5315	-1626	-182183
Piano 1	SLE FR 3	-4	0	-993142	-4893	1064	-810711	4889	-1064	-182431
Piano 1	SLE FR 4	-4	0	-993142	-5239	1539	-810680	5235	-1539	-182462
Piano 1	SLE QP 1	-4	0	-985906	-4916	1071	-803759	4911	-1071	-182147
Piano 1	SLE QP 2	-4	0	-985906	-5262	1546	-803728	5258	-1547	-182178
Piano 1	SLO 1	-224974	-78193	-981895	-167010	-44506	-798697	-57964	-33687	-183197
Piano 1	SLO 2	-224974	-78193	-981895	-167010	-44506	-798697	-57964	-33687	-183197
Piano 1	SLO 3	-226090	69755	-978686	-172207	54667	-801819	-53883	15088	-176867
Piano 1	SLO 4	-226090	69755	-978686	-172207	54667	-801819	-53883	15088	-176867
Piano 1	SLO 5	-65803	-247846	-989569	-45905	-162682	-797484	-19898	-85164	-192085
Piano 1	SLO 6	-65803	-247846	-989569	-45905	-162682	-797484	-19898	-85164	-192085
Piano 1	SLO 7	-69523	245314	-978874	-63227	167895	-807890	-6296	77419	-170984
Piano 1	SLO 8	-69523	245314	-978874	-63227	167895	-807890	-6296	77419	-170984
Piano 1	SLO 9	69514	-245315	-992939	52703	-164802	-799566	16811	-80512	-193372
Piano 1	SLO 10	69514	-245315	-992939	52703	-164802	-799566	16811	-80512	-193372
Piano 1	SLO 11	65794	247846	-982244	35381	165774	-809972	30413	82071	-172271
Piano 1	SLO 12	65794	247846	-982244	35381	165774	-809972	30413	82071	-172271
Piano 1	SLO 13	226082	-69756	-993127	161683	-51575	-805637	64399	-18181	-187489
Piano 1	SLO 14	226082	-69756	-993127	161683	-51575	-805637	64399	-18181	-187489
Piano 1	SLO 15	224966	78192	-989918	156486	47599	-808759	68479	30594	-181159
Piano 1	SLO 16	224966	78192	-989918	156486	47599	-808759	68479	30594	-181159
Piano 1	SLD 1	-188160	-65496	-982252	-139491	-36709	-799450	-48669	-28787	-182802
Piano 1	SLD 2	-188160	-65496	-982252	-139491	-36709	-799450	-48669	-28787	-182802
Piano 1	SLD 3	-189058	58170	-979434	-143813	45653	-802063	-45245	12517	-177372
Piano 1	SLD 4	-189058	58170	-979434	-143813	45653	-802063	-45245	12517	-177372
Piano 1	SLD 5	-55090	-207210	-989084	-38975	-134846	-798483	-16114	-72363	-190601
Piano 1	SLD 6	-55090	-207210	-989084	-38975	-134846	-798483	-16114	-72363	-190601
Piano 1	SLD 7	-58082	205011	-979691	-53382	139694	-807191	-4699	65317	-172500
Piano 1	SLD 8	-58082	205011	-979691	-53382	139694	-807191	-4699	65317	-172500
Piano 1	SLD 9	58073	-205012	-992122	42859	-136601	-800266	15214	-68410	-191856
Piano 1	SLD 10	58073	-205012	-992122	42859	-136601	-800266	15214	-68410	-191856
Piano 1	SLD 11	55081	207209	-982729	28452	137939	-808974	26629	69270	-173755
Piano 1	SLD 12	55081	207209	-982729	28452	137939	-808974	26629	69270	-173755
Piano 1	SLD 13	189049	-58170	-992378	133289	-42560	-805394	55760	-15610	-186985

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano 1	SLD 14	189049	-58170	-992378	133289	-42560	-805394	55760	-15610	-186985
Piano 1	SLD 15	188151	65496	-989561	128967	39802	-808006	59184	25694	-181554
Piano 1	SLD 16	188151	65496	-989561	128967	39802	-808006	59184	25694	-181554
Piano 1	SLV 1	-425651	-148164	-977687	-308910	-85008	-794034	-116741	-63155	-183653
Piano 1	SLV 2	-425651	-148164	-977687	-308910	-85008	-794034	-116741	-63155	-183653
Piano 1	SLV 3	-427681	131602	-971274	-318680	101320	-799906	-109001	30282	-171368
Piano 1	SLV 4	-427681	131602	-971274	-318680	101320	-799906	-109001	30282	-171368
Piano 1	SLV 5	-124619	-468761	-993167	-81538	-307018	-791914	-43081	-161743	-201254
Piano 1	SLV 6	-124619	-468761	-993167	-81538	-307018	-791914	-43081	-161743	-201254
Piano 1	SLV 7	-131387	463792	-971790	-114105	314077	-811488	-17282	149716	-160302
Piano 1	SLV 8	-131387	463792	-971790	-114105	314077	-811488	-17282	149716	-160302
Piano 1	SLV 9	131378	-463793	-1000023	103582	-310984	-795969	27797	-152809	-204054
Piano 1	SLV 10	131378	-463793	-1000023	103582	-310984	-795969	27797	-152809	-204054
Piano 1	SLV 11	124610	468761	-978645	71014	310111	-815543	53596	158650	-163103
Piano 1	SLV 12	124610	468761	-978645	71014	310111	-815543	53596	158650	-163103
Piano 1	SLV 13	427673	-131603	-1000539	308156	-98228	-807551	119516	-33375	-192988
Piano 1	SLV 14	427673	-131603	-1000539	308156	-98228	-807551	119516	-33375	-192988
Piano 1	SLV 15	425642	148163	-994126	298386	88101	-813423	127256	60062	-180703
Piano 1	SLV 16	425642	148163	-994126	298386	88101	-813423	127256	60062	-180703
Piano 1	SLV FO 1	-468216	-162980	-976865	-339275	-93664	-793064	-128941	-69316	-183801
Piano 1	SLV FO 2	-468216	-162980	-976865	-339275	-93664	-793064	-128941	-69316	-183801
Piano 1	SLV FO 3	-470449	144763	-969811	-350022	111298	-799524	-120427	33465	-170287
Piano 1	SLV FO 4	-470449	144763	-969811	-350022	111298	-799524	-120427	33465	-170287
Piano 1	SLV FO 5	-137080	-515637	-993893	-89166	-337875	-790732	-47914	-177762	-203161
Piano 1	SLV FO 6	-137080	-515637	-993893	-89166	-337875	-790732	-47914	-177762	-203161
Piano 1	SLV FO 7	-144525	510172	-970378	-124990	345330	-812263	-19536	164842	-158115
Piano 1	SLV FO 8	-144525	510172	-970378	-124990	345330	-812263	-19536	164842	-158115
Piano 1	SLV FO 9	144517	-510172	-1001434	114466	-342237	-795193	30051	-167935	-206241
Piano 1	SLV FO 10	144517	-510172	-1001434	114466	-342237	-795193	30051	-167935	-206241
Piano 1	SLV FO 11	137071	515637	-977919	78642	340968	-816724	58429	174669	-161195
Piano 1	SLV FO 12	137071	515637	-977919	78642	340968	-816724	58429	174669	-161195
Piano 1	SLV FO 13	470440	-144763	-1002002	339498	-108205	-807933	130942	-36558	-194069
Piano 1	SLV FO 14	470440	-144763	-1002002	339498	-108205	-807933	130942	-36558	-194069
Piano 1	SLV FO 15	468207	162980	-994947	328751	96756	-814392	139456	66223	-180555
Piano 1	SLV FO 16	468207	162980	-994947	328751	96756	-814392	139456	66223	-180555
Piano 1	CRTFP Ux+	1	0	0	1	0	0	0	0	0
Piano 1	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
Piano 1	CRTFP Uy+	0	1	0	0	1	0	0	0	0
Piano 1	CRTFP Uy-	0	-1	0	0	-1	0	0	0	0
Piano 1	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Piano 1	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Falda 2	Pesi	0	0	-586435	-4309	2854	-577286	4643	-527	-9424
Falda 2	Port.	0	0	-110655	-265	589	-105200	273	-544	-5495
Falda 2	Variabile H	0	0	-61377	-2	-38	-58336	-12	9	-2999
Falda 2	Neve	0	0	-35499	116	-45	-34062	-115	38	-1420
Falda 2	Variabile C	0	0	0	-534	886	-77	577	-792	-51
Falda 2	X SLV	350097	4318	-8556	293107	-6089	-6611	48223	10510	-2234
Falda 2	Y SLV	-360	371577	2216	-13240	293336	4411	14097	69511	12038
Falda 2	X SLD	154748	1908	-3778	129569	-2695	-2908	21302	4649	-998
Falda 2	Y SLD	-154	164201	956	-5857	129664	1920	6237	30684	5325
Falda 2	X SLO	187232	2188	-4469	156122	-3260	-3387	26435	5503	-1234
Falda 2	Y SLO	-228	198582	1165	-7048	156129	2350	7457	37818	6386
Falda 2	R Ux	1	0	0	1	0	0	0	0	0
Falda 2	R Uy	0	1	0	0	1	0	0	0	0
Falda 2	R Rz	0	0	0	0	0	0	0	0	0
Falda 2	SLU 1	0	0	-674959	-4521	3325	-661446	4861	-962	-13821
Falda 2	SLU 2	0	0	-674959	-5323	4654	-661562	5727	-2150	-13897
Falda 2	SLU 3	0	0	-701584	-5236	4620	-687108	5641	-2122	-14962
Falda 2	SLU 4	0	0	-728208	-4348	3257	-712539	4689	-906	-15950
Falda 2	SLU 5	0	0	-728208	-4909	4188	-712620	5295	-1737	-16004
Falda 2	SLU 6	0	0	-767024	-4524	3269	-748950	4843	-949	-18318
Falda 2	SLU 7	0	0	-767024	-5085	4199	-749031	5448	-1781	-18372
Falda 2	SLU 8	0	0	-793649	-4437	3235	-774496	4757	-921	-19383
Falda 2	SLU 9	0	0	-793649	-4998	4165	-774578	5362	-1752	-19437
Falda 2	SLU 10	0	0	-752418	-4707	3737	-735086	5052	-1343	-17667
Falda 2	SLU 11	0	0	-752418	-5509	5066	-735202	5917	-2531	-17744
Falda 2	SLU 12	0	0	-779042	-5422	5033	-760749	5831	-2503	-18809
Falda 2	SLU 13	0	0	-805667	-4533	3670	-786179	4880	-1287	-19797
Falda 2	SLU 14	0	0	-805667	-5094	4600	-786260	5486	-2118	-19851
Falda 2	SLU 15	0	0	-844483	-4710	3681	-822591	5033	-1330	-22165
Falda 2	SLU 16	0	0	-844483	-5271	4611	-822672	5639	-2162	-22219
Falda 2	SLU 17	0	0	-871107	-4623	3647	-848137	4947	-1302	-23230
Falda 2	SLU 18	0	0	-871107	-5184	4578	-848218	5553	-2134	-23284
Falda 2	SLU 19	0	0	-850890	-5814	4181	-834632	6254	-1120	-16648
Falda 2	SLU 20	0	0	-850890	-6616	5510	-834748	7120	-2308	-16725
Falda 2	SLU 21	0	0	-877514	-6529	5476	-860294	7034	-2280	-17790
Falda 2	SLU 22	0	0	-904138	-5640	4114	-885724	6082	-1064	-18777
Falda 2	SLU 23	0	0	-904138	-6202	5044	-885806	6688	-1895	-18831
Falda 2	SLU 24	0	0	-942955	-5817	4125	-922136	6236	-1107	-21146
Falda 2	SLU 25	0	0	-942955	-6378	5055	-922217	6841	-1939	-21200
Falda 2	SLU 26	0	0	-969579	-5730	4091	-947682	6150	-1079	-22211
Falda 2	SLU 27	0	0	-969579	-6291	5021	-947763	6755	-1910	-22264
Falda 2	SLU 28	0	0	-928348	-6000	4593	-908272	6445	-1501	-20495
Falda 2	SLU 29	0	0	-928348	-6801	5923	-908388	7310	-2689	-20571
Falda 2	SLU 30	0	0	-954973	-6715	5889	-933934	7224	-2661	-21636
Falda 2	SLU 31	0	0	-981597	-5826	4526	-959365	6273	-1445	-22624
Falda 2	SLU 32	0	0	-981597	-6387	5456	-959446	6879	-2276	-22678
Falda 2	SLU 33	0	0	-1020413	-6002	4537	-995776	6426	-1488	-24992
Falda 2	SLU 34	0	0	-1020413	-6563	5467	-995857	7032	-2320	-25046
Falda 2	SLU 35	0	0	-1047038	-5915	4503	-1021323	6340	-1460	-26057
Falda 2	SLU 36	0	0	-1047038	-6476	5434	-1021404	6946	-2292	-26111
Falda 2	SLE RA 1	0	0	-697090	-4575	3443	-682486	4916	-1071	-14920
Falda 2	SLE RA 2	0	0	-697090	-5109	4329	-682564	5493	-1863	-14971
Falda 2	SLE RA 3	0	0	-714840	-5051	4306	-699594	5435	-1844	-15681
Falda 2	SLE RA 4	0	0	-732590	-4459	3398	-716548	4801	-1033	-16339
Falda 2	SLE RA 5	0	0	-732590	-4833	4018	-716602	5205	-1588	-16375
Falda 2	SLE RA 6	0	0	-758467	-4576	3405	-740822	4903	-1062	-17918
Falda 2	SLE RA 7	0	0	-758467	-4950	4025	-740876	5307	-1617	-17954
Falda 2	SLE RA 8	0	0	-776217	-4518	3383	-757853	4846	-1044	-18628

Livello	Cont.	Totale			Aste verticali			Pareti		
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		X	Y	Z	X	Y	Z	X	Y	Z
Falda 2	SLE RA 9	0	0	-776217	-4892	4003	-757907	5250	-1598	-18664
Falda 2	SLE FR 1	0	0	-697090	-4575	3443	-682486	4916	-1071	-14920
Falda 2	SLE FR 2	0	0	-697090	-4949	4063	-682540	5320	-1626	-14955
Falda 2	SLE FR 3	0	0	-704190	-4551	3434	-689299	4893	-1064	-15204
Falda 2	SLE FR 4	0	0	-704190	-4872	3965	-689345	5239	-1539	-15234
Falda 2	SLE QP 1	0	0	-697090	-4575	3443	-682486	4916	-1071	-14920
Falda 2	SLE QP 2	0	0	-697090	-4895	3974	-682533	5262	-1546	-14950
Falda 2	SLO 1	-187163	-61763	-692971	-158902	-39604	-679850	-23410	-18394	-15632
Falda 2	SLO 2	-187163	-61763	-692971	-158902	-39604	-679850	-23410	-18394	-15632
Falda 2	SLO 3	-187300	57387	-692271	-163131	54073	-678441	-18936	4296	-11801
Falda 2	SLO 4	-187300	57387	-692271	-163131	54073	-678441	-18936	4296	-11801
Falda 2	SLO 5	-55941	-199238	-696915	-44684	-151177	-683866	-10126	-41015	-20966
Falda 2	SLO 6	-55941	-199238	-696915	-44684	-151177	-683866	-10126	-41015	-20966
Falda 2	SLO 7	-56398	197925	-694584	-58779	161082	-679167	4788	34620	-8195
Falda 2	SLO 8	-56398	197925	-694584	-58779	161082	-679167	4788	34620	-8195
Falda 2	SLO 9	56398	-197925	-699596	48989	-153133	-685899	5735	-37713	-21706
Falda 2	SLO 10	56398	-197925	-699596	48989	-153133	-685899	5735	-37713	-21706
Falda 2	SLO 11	55941	199238	-697266	34894	159126	-681199	20649	37922	-8935
Falda 2	SLO 12	55941	199238	-697266	34894	159126	-681199	20649	37922	-8935
Falda 2	SLO 13	187300	-57387	-701909	153341	-46124	-686625	29460	-7389	-18100
Falda 2	SLO 14	187300	-57387	-701909	153341	-46124	-686625	29460	-7389	-18100
Falda 2	SLO 15	187163	61763	-701210	149112	47553	-685215	33934	15301	-14268
Falda 2	SLO 16	187163	61763	-701210	149112	47553	-685215	33934	15301	-14268
Falda 2	SLD 1	-154702	-51168	-693599	-132707	-32230	-680201	-17912	-15401	-15549
Falda 2	SLD 2	-154702	-51168	-693599	-132707	-32230	-680201	-17912	-15401	-15549
Falda 2	SLD 3	-154794	47352	-693025	-136221	45568	-679049	-14169	3010	-12354
Falda 2	SLD 4	-154794	47352	-693025	-136221	45568	-679049	-14169	3010	-12354
Falda 2	SLD 5	-46271	-164773	-696913	-37909	-124881	-683580	-7366	-33626	-19976
Falda 2	SLD 6	-46271	-164773	-696913	-37909	-124881	-683580	-7366	-33626	-19976
Falda 2	SLD 7	-46578	163628	-695000	-49623	134447	-679741	5109	27743	-9326
Falda 2	SLD 8	-46578	163628	-695000	-49623	134447	-679741	5109	27743	-9326
Falda 2	SLD 9	46578	-163628	-699180	39833	-126498	-685325	5415	-30836	-20575
Falda 2	SLD 10	46578	-163628	-699180	39833	-126498	-685325	5415	-30836	-20575
Falda 2	SLD 11	46271	164773	-697267	28119	132830	-681485	17890	30533	-9925
Falda 2	SLD 12	46271	164773	-697267	28119	132830	-681485	17890	30533	-9925
Falda 2	SLD 13	154794	-47352	-701155	126431	-37620	-686016	24693	-6102	-17546
Falda 2	SLD 14	154794	-47352	-701155	126431	-37620	-686016	24693	-6102	-17546
Falda 2	SLD 15	154702	51168	-700581	122917	40179	-684865	28435	12308	-14351
Falda 2	SLD 16	154702	51168	-700581	122917	40179	-684865	28435	12308	-14351
Falda 2	SLV 1	-349989	-115791	-689199	-294030	-77937	-677245	-47190	-32909	-16328
Falda 2	SLV 2	-349989	-115791	-689199	-294030	-77937	-677245	-47190	-32909	-16328
Falda 2	SLV 3	-350205	107155	-687869	-301974	98064	-674599	-38732	8797	-9105
Falda 2	SLV 4	-350205	107155	-687869	-301974	98064	-674599	-38732	8797	-9105
Falda 2	SLV 5	-104669	-372872	-696740	-79587	-287535	-684961	-23302	-74210	-26318
Falda 2	SLV 6	-104669	-372872	-696740	-79587	-287535	-684961	-23302	-74210	-26318
Falda 2	SLV 7	-105390	370282	-692307	-106067	299138	-676138	4892	64812	-2242
Falda 2	SLV 8	-105390	370282	-692307	-106067	299138	-676138	4892	64812	-2242
Falda 2	SLV 9	105390	-370282	-701874	96277	-291189	-688927	5632	-67904	-27659
Falda 2	SLV 10	105390	-370282	-701874	96277	-291189	-688927	5632	-67904	-27659
Falda 2	SLV 11	104669	372872	-697441	69797	295484	-680105	33826	71118	-3582
Falda 2	SLV 12	104669	372872	-697441	69797	295484	-680105	33826	71118	-3582
Falda 2	SLV 13	350205	-107155	-706311	292184	-90116	-690467	49256	-11890	-20796
Falda 2	SLV 14	350205	-107155	-706311	292184	-90116	-690467	49256	-11890	-20796
Falda 2	SLV 15	349989	115791	-704981	284240	85886	-687820	57714	29817	-13573
Falda 2	SLV 16	349989	115791	-704981	284240	85886	-687820	57714	29817	-13573
Falda 2	SLV FO 1	-384988	-127370	-688410	-322944	-86129	-676717	-52436	-36046	-16465
Falda 2	SLV FO 2	-384988	-127370	-688410	-322944	-86129	-676717	-52436	-36046	-16465
Falda 2	SLV FO 3	-385226	117871	-686947	-331682	107474	-673805	-43131	9832	-8520
Falda 2	SLV FO 4	-385226	117871	-686947	-331682	107474	-673805	-43131	9832	-8520
Falda 2	SLV FO 5	-115136	-410159	-696705	-87056	-316686	-685203	-26159	-81477	-27455
Falda 2	SLV FO 6	-115136	-410159	-696705	-87056	-316686	-685203	-26159	-81477	-27455
Falda 2	SLV FO 7	-115929	407310	-691829	-116185	328654	-675499	4855	71447	-971
Falda 2	SLV FO 8	-115929	407310	-691829	-116185	328654	-675499	4855	71447	-971
Falda 2	SLV FO 9	115929	-407310	-702352	106394	-320705	-689566	5669	-74540	-28930
Falda 2	SLV FO 10	115929	-407310	-702352	106394	-320705	-689566	5669	-74540	-28930
Falda 2	SLV FO 11	115136	410159	-697476	77266	324635	-679862	36682	78384	-2446
Falda 2	SLV FO 12	115136	410159	-697476	77266	324635	-679862	36682	78384	-2446
Falda 2	SLV FO 13	385226	-117871	-707233	321892	-99525	-691260	53655	-12924	-21381
Falda 2	SLV FO 14	385226	-117871	-707233	321892	-99525	-691260	53655	-12924	-21381
Falda 2	SLV FO 15	384988	127370	-705770	313154	94077	-688349	62959	32953	-13435
Falda 2	SLV FO 16	384988	127370	-705770	313154	94077	-688349	62959	32953	-13435
Falda 2	CRTFP Ux+	1	0	0	1	0	0	0	0	0
Falda 2	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
Falda 2	CRTFP Uy+	0	1	0	0	1	0	0	0	0
Falda 2	CRTFP Uy-	0	-1	0	0	-1	0	0	0	0
Falda 2	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Falda 2	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Falda 1	Pesi	3220	-771	-68413	537	891	-70182	0	0	0
Falda 1	Port.	822	428	-19338	-90	383	-18651	0	0	0
Falda 1	Variabile H	571	286	-11155	11	241	-10706	0	0	0
Falda 1	Neve	457	271	-13531	83	248	-13145	0	0	0
Falda 1	Variabile C	-212	-124	1060	-141	-104	946	0	0	0
Falda 1	X SLV	40579	-1293	16010	28931	45	16803	0	0	0
Falda 1	Y SLV	-851	19786	-33963	1265	10598	-19285	0	0	0
Falda 1	X SLD	17953	-573	7084	12801	20	7434	0	0	0
Falda 1	Y SLD	-373	8743	-15018	560	4689	-8533	0	0	0
Falda 1	X SLO	21620	-688	8523	15410	29	8945	0	0	0
Falda 1	Y SLO	-449	10516	-18054	671	5638	-10247	0	0	0
Falda 1	R Ux	0	0	0	0	0	0	0	0	0
Falda 1	R Uy	0	0	0	0	0	0	0	0	0
Falda 1	R Rz	0	0	0	0	0	0	0	0	0
Falda 1	SLU 1	3878	-428	-83883	465	1197	-85103	0	0	0
Falda 1	SLU 2	3560	-614	-82292	253	1042	-83684	0	0	0
Falda 1	SLU 3	3902	-410	-92441	315	1228	-93542	0	0	0
Falda 1	SLU 4	4562	-22	-104180	590	1570	-104821	0	0	0
Falda 1	SLU 5	4340	-151	-103066	441	1461	-103827	0	0	0
Falda 1	SLU 6	4735	0	-100615	481	1559	-101162	0	0	0
Falda 1	SLU 7	4512	-130	-99501	332	1450	-100168	0	0	0
Falda 1	SLU 8	5077	203	-110763	543	1746	-111021	0	0	0

Livello	Cont.	Totale			Aste verticali			Pareti		
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		X	Y	Z	X	Y	Z	X	Y	Z
Falda 1	SLU 9	4855	74	-109650	395	1637	-110027	0	0	0
Falda 1	SLU 10	4453	-129	-97419	402	1466	-98159	0	0	0
Falda 1	SLU 11	4135	-314	-95829	190	1310	-96739	0	0	0
Falda 1	SLU 12	4477	-111	-105977	252	1496	-106598	0	0	0
Falda 1	SLU 13	5138	278	-117716	527	1838	-117876	0	0	0
Falda 1	SLU 14	4915	148	-116603	378	1729	-116883	0	0	0
Falda 1	SLU 15	5310	300	-114151	418	1828	-114218	0	0	0
Falda 1	SLU 16	5087	170	-113038	270	1719	-113224	0	0	0
Falda 1	SLU 17	5652	503	-124300	481	2014	-124077	0	0	0
Falda 1	SLU 18	5430	373	-123186	332	1905	-123083	0	0	0
Falda 1	SLU 19	4844	-660	-104407	626	1465	-106158	0	0	0
Falda 1	SLU 20	4526	-845	-102816	414	1309	-104738	0	0	0
Falda 1	SLU 21	4868	-642	-112965	476	1495	-114597	0	0	0
Falda 1	SLU 22	5529	-253	-124704	751	1837	-125875	0	0	0
Falda 1	SLU 23	5306	-383	-123590	602	1728	-124882	0	0	0
Falda 1	SLU 24	5701	-231	-121139	642	1827	-122217	0	0	0
Falda 1	SLU 25	5478	-361	-120025	493	1718	-121223	0	0	0
Falda 1	SLU 26	6043	-28	-131287	704	2013	-132075	0	0	0
Falda 1	SLU 27	5821	-158	-130174	556	1904	-131082	0	0	0
Falda 1	SLU 28	5419	-360	-117943	563	1733	-119214	0	0	0
Falda 1	SLU 29	5101	-545	-116352	351	1577	-117794	0	0	0
Falda 1	SLU 30	5443	-342	-126501	413	1763	-127653	0	0	0
Falda 1	SLU 31	6104	47	-138240	688	2105	-138931	0	0	0
Falda 1	SLU 32	5881	-83	-137127	539	1996	-137937	0	0	0
Falda 1	SLU 33	6276	68	-134675	579	2095	-135272	0	0	0
Falda 1	SLU 34	6053	-61	-133562	431	1986	-134279	0	0	0
Falda 1	SLU 35	6618	272	-144824	642	2281	-145131	0	0	0
Falda 1	SLU 36	6396	142	-143710	493	2172	-144138	0	0	0
Falda 1	SLE RA 1	4042	-343	-87750	447	1274	-88833	0	0	0
Falda 1	SLE RA 2	3830	-466	-86690	305	1170	-87887	0	0	0
Falda 1	SLE RA 3	4058	-331	-93456	347	1294	-94459	0	0	0
Falda 1	SLE RA 4	4499	-72	-101282	530	1522	-101978	0	0	0
Falda 1	SLE RA 5	4350	-158	-100539	431	1450	-101316	0	0	0
Falda 1	SLE RA 6	4613	-57	-98905	458	1515	-99539	0	0	0
Falda 1	SLE RA 7	4465	-144	-98163	359	1443	-98877	0	0	0
Falda 1	SLE RA 8	4842	78	-105671	499	1640	-106112	0	0	0
Falda 1	SLE RA 9	4693	-8	-104928	400	1567	-105449	0	0	0
Falda 1	SLE FR 1	4042	-343	-87750	447	1274	-88833	0	0	0
Falda 1	SLE FR 2	3894	-429	-87008	348	1201	-88171	0	0	0
Falda 1	SLE FR 3	4133	-289	-90457	463	1324	-91462	0	0	0
Falda 1	SLE FR 4	4006	-363	-89820	379	1261	-90895	0	0	0
Falda 1	SLE QP 1	4042	-343	-87750	447	1274	-88833	0	0	0
Falda 1	SLE QP 2	3915	-417	-87114	362	1212	-88266	0	0	0
Falda 1	SLO 1	-17571	-2883	-90221	-15249	-509	-94136	0	0	0
Falda 1	SLO 2	-17571	-2883	-90221	-15249	-509	-94136	0	0	0
Falda 1	SLO 3	-17840	3426	-101053	-14847	2874	-100285	0	0	0
Falda 1	SLO 4	-17840	3426	-101053	-14847	2874	-100285	0	0	0
Falda 1	SLO 5	-2123	-10726	-71617	-4932	-4435	-80702	0	0	0
Falda 1	SLO 6	-2123	-10726	-71617	-4932	-4435	-80702	0	0	0
Falda 1	SLO 7	-3020	10305	-107725	-3590	6841	-101196	0	0	0
Falda 1	SLO 8	-3020	10305	-107725	-3590	6841	-101196	0	0	0
Falda 1	SLO 9	10850	-11139	-66503	4314	-4418	-75335	0	0	0
Falda 1	SLO 10	10850	-11139	-66503	4314	-4418	-75335	0	0	0
Falda 1	SLO 11	9952	9892	-102612	5655	6859	-95829	0	0	0
Falda 1	SLO 12	9952	9892	-102612	5655	6859	-95829	0	0	0
Falda 1	SLO 13	25670	-4260	-73175	15570	-450	-76246	0	0	0
Falda 1	SLO 14	25670	-4260	-73175	15570	-450	-76246	0	0	0
Falda 1	SLO 15	25401	2049	-84008	15973	2933	-82395	0	0	0
Falda 1	SLO 16	25401	2049	-84008	15973	2933	-82395	0	0	0
Falda 1	SLD 1	-13926	-2467	-89692	-12607	-215	-93140	0	0	0
Falda 1	SLD 2	-13926	-2467	-89692	-12607	-215	-93140	0	0	0
Falda 1	SLD 3	-14150	2779	-98703	-12271	2598	-98259	0	0	0
Falda 1	SLD 4	-14150	2779	-98703	-12271	2598	-98259	0	0	0
Falda 1	SLD 5	-1098	-8988	-74221	-4039	-3483	-81963	0	0	0
Falda 1	SLD 6	-1098	-8988	-74221	-4039	-3483	-81963	0	0	0
Falda 1	SLD 7	-1844	8498	-104257	-2918	5895	-99029	0	0	0
Falda 1	SLD 8	-1844	8498	-104257	-2918	5895	-99029	0	0	0
Falda 1	SLD 9	9674	-9332	-69971	3642	-3471	-77502	0	0	0
Falda 1	SLD 10	9674	-9332	-69971	3642	-3471	-77502	0	0	0
Falda 1	SLD 11	8927	8155	-100007	4762	5907	-94568	0	0	0
Falda 1	SLD 12	8927	8155	-100007	4762	5907	-94568	0	0	0
Falda 1	SLD 13	21979	-3612	-75525	12995	-175	-78272	0	0	0
Falda 1	SLD 14	21979	-3612	-75525	12995	-175	-78272	0	0	0
Falda 1	SLD 15	21755	1633	-84536	13331	2639	-83391	0	0	0
Falda 1	SLD 16	21755	1633	-84536	13331	2639	-83391	0	0	0
Falda 1	SLV 1	-36408	-5060	-92935	-28949	-2013	-99283	0	0	0
Falda 1	SLV 2	-36408	-5060	-92935	-28949	-2013	-99283	0	0	0
Falda 1	SLV 3	-36919	6812	-113313	-28190	4346	-110854	0	0	0
Falda 1	SLV 4	-36919	6812	-113313	-28190	4346	-110854	0	0	0
Falda 1	SLV 5	-7408	-19815	-57954	-9583	-9399	-74022	0	0	0
Falda 1	SLV 6	-7408	-19815	-57954	-9583	-9399	-74022	0	0	0
Falda 1	SLV 7	-9110	19757	-125881	-7052	11796	-112591	0	0	0
Falda 1	SLV 8	-9110	19757	-125881	-7052	11796	-112591	0	0	0
Falda 1	SLV 9	16939	-20591	-48348	7776	-9372	-63940	0	0	0
Falda 1	SLV 10	16939	-20591	-48348	7776	-9372	-63940	0	0	0
Falda 1	SLV 11	15237	18981	-116275	10307	11823	-102509	0	0	0
Falda 1	SLV 12	15237	18981	-116275	10307	11823	-102509	0	0	0
Falda 1	SLV 13	44749	-7646	-60915	28914	-1922	-65677	0	0	0
Falda 1	SLV 14	44749	-7646	-60915	28914	-1922	-65677	0	0	0
Falda 1	SLV 15	44238	4226	-81293	29673	4436	-77248	0	0	0
Falda 1	SLV 16	44238	4226	-81293	29673	4436	-77248	0	0	0
Falda 1	SLV FO 1	-40441	-5524	-93518	-31880	-2336	-100385	0	0	0
Falda 1	SLV FO 2	-40441	-5524	-93518	-31880	-2336	-100385	0	0	0
Falda 1	SLV FO 3	-41002	7535	-115933	-31045	4659	-113113	0	0	0
Falda 1	SLV FO 4	-41002	7535	-115933	-31045	4659	-113113	0	0	0
Falda 1	SLV FO 5	-8540	-21755	-55038	-10577	-10461	-72597	0	0	0
Falda 1	SLV FO 6	-8540	-21755	-55038	-10577	-10461	-72597	0	0	0
Falda 1	SLV FO 7	-10412	21775	-129757	-7793	12854	-115024	0	0	0
Falda 1	SLV FO 8	-10412	21775	-129757	-7793	12854	-115024	0	0	0

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Falda 1	SLV FO 9	18242	-22608	-44471	8517	-10431	-61507	0	0	0
Falda 1	SLV FO 10	18242	-22608	-44471	8517	-10431	-61507	0	0	0
Falda 1	SLV FO 11	16370	20921	-119191	11301	12884	-103934	0	0	0
Falda 1	SLV FO 12	16370	20921	-119191	11301	12884	-103934	0	0	0
Falda 1	SLV FO 13	48832	-8369	-58295	31769	-2235	-63418	0	0	0
Falda 1	SLV FO 14	48832	-8369	-58295	31769	-2235	-63418	0	0	0
Falda 1	SLV FO 15	48270	4690	-80711	32604	4759	-76146	0	0	0
Falda 1	SLV FO 16	48270	4690	-80711	32604	4759	-76146	0	0	0
Falda 1	CRTFP Ux+	0	0	0	0	0	0	0	0	0
Falda 1	CRTFP Ux-	0	0	0	0	0	0	0	0	0
Falda 1	CRTFP Uy+	0	0	0	0	0	0	0	0	0
Falda 1	CRTFP Uy-	0	0	0	0	0	0	0	0	0
Falda 1	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Falda 1	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Piano 2	Pesi	0	0	-166785	537	891	-70182	0	0	0
Piano 2	Port.	0	0	-52857	-90	383	-18651	0	0	0
Piano 2	Variabile H	0	0	-29365	11	241	-10706	0	0	0
Piano 2	Neve	0	0	-32889	83	248	-13145	0	0	0
Piano 2	Variabile C	0	0	0	-141	-104	946	0	0	0
Piano 2	X SLV	101629	-3633	884	28931	45	16803	0	0	0
Piano 2	Y SLV	-1240	74064	47	1265	10598	-19285	0	0	0
Piano 2	X SLD	44949	-1612	390	12801	20	7434	0	0	0
Piano 2	Y SLD	-556	32771	21	560	4689	-8533	0	0	0
Piano 2	X SLO	54162	-1911	475	15410	29	8945	0	0	0
Piano 2	Y SLO	-660	39452	34	671	5638	-10247	0	0	0
Piano 2	R Ux	0	0	0	0	0	0	0	0	0
Piano 2	R Uy	0	0	0	0	0	0	0	0	0
Piano 2	R Rz	0	0	0	0	0	0	0	0	0
Piano 2	SLU 1	0	0	-209071	465	1197	-85103	0	0	0
Piano 2	SLU 2	0	0	-209071	253	1042	-83684	0	0	0
Piano 2	SLU 3	0	0	-233737	315	1228	-93542	0	0	0
Piano 2	SLU 4	0	0	-258404	590	1570	-104821	0	0	0
Piano 2	SLU 5	0	0	-258404	441	1461	-103827	0	0	0
Piano 2	SLU 6	0	0	-253118	481	1559	-101162	0	0	0
Piano 2	SLU 7	0	0	-253118	332	1450	-100168	0	0	0
Piano 2	SLU 8	0	0	-277785	543	1746	-111021	0	0	0
Piano 2	SLU 9	0	0	-277785	395	1637	-110027	0	0	0
Piano 2	SLU 10	0	0	-246071	402	1466	-98159	0	0	0
Piano 2	SLU 11	0	0	-246071	190	1310	-96739	0	0	0
Piano 2	SLU 12	0	0	-270737	252	1496	-106598	0	0	0
Piano 2	SLU 13	0	0	-295404	527	1838	-117876	0	0	0
Piano 2	SLU 14	0	0	-295404	378	1729	-116883	0	0	0
Piano 2	SLU 15	0	0	-290118	418	1828	-114218	0	0	0
Piano 2	SLU 16	0	0	-290118	270	1719	-113224	0	0	0
Piano 2	SLU 17	0	0	-314785	481	2014	-124077	0	0	0
Piano 2	SLU 18	0	0	-314785	332	1905	-123083	0	0	0
Piano 2	SLU 19	0	0	-259106	626	1465	-106158	0	0	0
Piano 2	SLU 20	0	0	-259106	414	1309	-104738	0	0	0
Piano 2	SLU 21	0	0	-283773	476	1495	-114597	0	0	0
Piano 2	SLU 22	0	0	-308439	751	1837	-125875	0	0	0
Piano 2	SLU 23	0	0	-308439	602	1728	-124882	0	0	0
Piano 2	SLU 24	0	0	-303154	642	1827	-122217	0	0	0
Piano 2	SLU 25	0	0	-303154	493	1718	-121223	0	0	0
Piano 2	SLU 26	0	0	-327820	704	2013	-132075	0	0	0
Piano 2	SLU 27	0	0	-327820	556	1904	-131082	0	0	0
Piano 2	SLU 28	0	0	-296106	563	1733	-119214	0	0	0
Piano 2	SLU 29	0	0	-296106	351	1577	-117794	0	0	0
Piano 2	SLU 30	0	0	-320773	413	1763	-127653	0	0	0
Piano 2	SLU 31	0	0	-345439	688	2105	-138931	0	0	0
Piano 2	SLU 32	0	0	-345439	539	1996	-137937	0	0	0
Piano 2	SLU 33	0	0	-340154	579	2095	-135272	0	0	0
Piano 2	SLU 34	0	0	-340154	431	1986	-134279	0	0	0
Piano 2	SLU 35	0	0	-364820	642	2281	-145131	0	0	0
Piano 2	SLU 36	0	0	-364820	493	2172	-144138	0	0	0
Piano 2	SLE RA 1	0	0	-219642	447	1274	-88833	0	0	0
Piano 2	SLE RA 2	0	0	-219642	305	1170	-87887	0	0	0
Piano 2	SLE RA 3	0	0	-236087	347	1294	-94459	0	0	0
Piano 2	SLE RA 4	0	0	-252531	530	1522	-101978	0	0	0
Piano 2	SLE RA 5	0	0	-252531	431	1450	-101316	0	0	0
Piano 2	SLE RA 6	0	0	-249007	458	1515	-99539	0	0	0
Piano 2	SLE RA 7	0	0	-249007	359	1443	-98877	0	0	0
Piano 2	SLE RA 8	0	0	-265452	499	1640	-106112	0	0	0
Piano 2	SLE RA 9	0	0	-265452	400	1567	-105449	0	0	0
Piano 2	SLE FR 1	0	0	-219642	447	1274	-88833	0	0	0
Piano 2	SLE FR 2	0	0	-219642	348	1201	-88171	0	0	0
Piano 2	SLE FR 3	0	0	-226220	463	1324	-91462	0	0	0
Piano 2	SLE FR 4	0	0	-226220	379	1261	-90895	0	0	0
Piano 2	SLE QP 1	0	0	-219642	447	1274	-88833	0	0	0
Piano 2	SLE QP 2	0	0	-219642	362	1212	-88266	0	0	0
Piano 2	SLO 1	-53964	-9925	-220127	-15249	-509	-94136	0	0	0
Piano 2	SLO 2	-53964	-9925	-220127	-15249	-509	-94136	0	0	0
Piano 2	SLO 3	-54360	13746	-220107	-14847	2874	-100285	0	0	0
Piano 2	SLO 4	-54360	13746	-220107	-14847	2874	-100285	0	0	0
Piano 2	SLO 5	-15589	-38878	-219818	-4932	-4435	-80702	0	0	0
Piano 2	SLO 6	-15589	-38878	-219818	-4932	-4435	-80702	0	0	0
Piano 2	SLO 7	-16908	40025	-219751	-3590	6841	-101196	0	0	0
Piano 2	SLO 8	-16908	40025	-219751	-3590	6841	-101196	0	0	0
Piano 2	SLO 9	16908	-40025	-219534	4314	-4418	-75335	0	0	0
Piano 2	SLO 10	16908	-40025	-219534	4314	-4418	-75335	0	0	0
Piano 2	SLO 11	15589	38878	-219466	5655	6859	-95829	0	0	0
Piano 2	SLO 12	15589	38878	-219466	5655	6859	-95829	0	0	0
Piano 2	SLO 13	54360	-13746	-219178	15570	-450	-76246	0	0	0
Piano 2	SLO 14	54360	-13746	-219178	15570	-450	-76246	0	0	0
Piano 2	SLO 15	53964	9925	-219157	15973	2933	-82395	0	0	0
Piano 2	SLO 16	53964	9925	-219157	15973	2933	-82395	0	0	0
Piano 2	SLD 1	-44782	-8220	-220038	-12607	-215	-93140	0	0	0
Piano 2	SLD 2	-44782	-8220	-220038	-12607	-215	-93140	0	0	0
Piano 2	SLD 3	-45116	11443	-220026	-12271	2598	-98259	0	0	0
Piano 2	SLD 4	-45116	11443	-220026	-12271	2598	-98259	0	0	0

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano 2	SLD 5	-12929	-32287	-219780	-4039	-3483	-81963	0	0	0
Piano 2	SLD 6	-12929	-32287	-219780	-4039	-3483	-81963	0	0	0
Piano 2	SLD 7	-14040	33254	-219738	-2918	5895	-99029	0	0	0
Piano 2	SLD 8	-14040	33254	-219738	-2918	5895	-99029	0	0	0
Piano 2	SLD 9	14040	-33254	-219546	3642	-3471	-77502	0	0	0
Piano 2	SLD 10	14040	-33254	-219546	3642	-3471	-77502	0	0	0
Piano 2	SLD 11	12929	32287	-219505	4762	5907	-94568	0	0	0
Piano 2	SLD 12	12929	32287	-219505	4762	5907	-94568	0	0	0
Piano 2	SLD 13	45116	-11443	-219259	12995	-175	-78272	0	0	0
Piano 2	SLD 14	45116	-11443	-219259	12995	-175	-78272	0	0	0
Piano 2	SLD 15	44782	8220	-219246	13331	2639	-83391	0	0	0
Piano 2	SLD 16	44782	8220	-219246	13331	2639	-83391	0	0	0
Piano 2	SLV 1	-101257	-18586	-220540	-28949	-2013	-99283	0	0	0
Piano 2	SLV 2	-101257	-18586	-220540	-28949	-2013	-99283	0	0	0
Piano 2	SLV 3	-102001	25852	-220512	-28190	4346	-110854	0	0	0
Piano 2	SLV 4	-102001	25852	-220512	-28190	4346	-110854	0	0	0
Piano 2	SLV 5	-29248	-72974	-219954	-9583	-9399	-74022	0	0	0
Piano 2	SLV 6	-29248	-72974	-219954	-9583	-9399	-74022	0	0	0
Piano 2	SLV 7	-31729	75154	-219861	-7052	11796	-112591	0	0	0
Piano 2	SLV 8	-31729	75154	-219861	-7052	11796	-112591	0	0	0
Piano 2	SLV 9	31729	-75154	-219424	7776	-9372	-63940	0	0	0
Piano 2	SLV 10	31729	-75154	-219424	7776	-9372	-63940	0	0	0
Piano 2	SLV 11	29248	72974	-219330	10307	11823	-102509	0	0	0
Piano 2	SLV 12	29248	72974	-219330	10307	11823	-102509	0	0	0
Piano 2	SLV 13	102001	-25852	-218772	28914	-1922	-65677	0	0	0
Piano 2	SLV 14	102001	-25852	-218772	28914	-1922	-65677	0	0	0
Piano 2	SLV 15	101257	18586	-218744	29673	4436	-77248	0	0	0
Piano 2	SLV 16	101257	18586	-218744	29673	4436	-77248	0	0	0
Piano 2	SLV FO 1	-111382	-20444	-220630	-31880	-2336	-100385	0	0	0
Piano 2	SLV FO 2	-111382	-20444	-220630	-31880	-2336	-100385	0	0	0
Piano 2	SLV FO 3	-112201	28438	-220599	-31045	4659	-113113	0	0	0
Piano 2	SLV FO 4	-112201	28438	-220599	-31045	4659	-113113	0	0	0
Piano 2	SLV FO 5	-32173	-80271	-219985	-10577	-10461	-72597	0	0	0
Piano 2	SLV FO 6	-32173	-80271	-219985	-10577	-10461	-72597	0	0	0
Piano 2	SLV FO 7	-34902	82669	-219883	-7793	12854	-115024	0	0	0
Piano 2	SLV FO 8	-34902	82669	-219883	-7793	12854	-115024	0	0	0
Piano 2	SLV FO 9	34902	-82669	-219402	8517	-10431	-61507	0	0	0
Piano 2	SLV FO 10	34902	-82669	-219402	8517	-10431	-61507	0	0	0
Piano 2	SLV FO 11	32173	80271	-219299	11301	12884	-103934	0	0	0
Piano 2	SLV FO 12	32173	80271	-219299	11301	12884	-103934	0	0	0
Piano 2	SLV FO 13	112201	-28438	-218685	31769	-2235	-63418	0	0	0
Piano 2	SLV FO 14	112201	-28438	-218685	31769	-2235	-63418	0	0	0
Piano 2	SLV FO 15	111382	20444	-218654	32604	4759	-76146	0	0	0
Piano 2	SLV FO 16	111382	20444	-218654	32604	4759	-76146	0	0	0
Piano 2	CRTFP Ux+	0	0	0	0	0	0	0	0	0
Piano 2	CRTFP Ux-	0	0	0	0	0	0	0	0	0
Piano 2	CRTFP Uy+	0	0	0	0	0	0	0	0	0
Piano 2	CRTFP Uy-	0	0	0	0	0	0	0	0	0
Piano 2	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Piano 2	CRTFP Rz-	0	0	0	0	0	0	0	0	0

Risposta modale

***Modo**: identificativo del modo di vibrare.*
***Periodo**: periodo. [s]*
***Massa X**: massa partecipante in direzione globale X. Il valore è adimensionale.*
***Massa Y**: massa partecipante in direzione globale Y. Il valore è adimensionale.*
***Massa Z**: massa partecipante in direzione globale Z. Il valore è adimensionale.*
***Massa rot. X**: massa rotazionale partecipante attorno la direzione globale X. Il valore è adimensionale.*
***Massa rot. Y**: massa rotazionale partecipante attorno la direzione globale Y. Il valore è adimensionale.*
***Massa rot. Z**: massa rotazionale partecipante attorno la direzione globale Z. Il valore è adimensionale.*
***Massa sX**: massa partecipante in direzione Sisma X. Il valore è adimensionale.*
***Massa sY**: massa partecipante in direzione Sisma Y. Il valore è adimensionale.*

Totale masse partecipanti:

Traslazione X: 0.992596
Traslazione Y: 0.990954
Traslazione Z: 0
Rotazione X: 0.983499
Rotazione Y: 0.978123
Rotazione Z: 0.895498

Modo	Periodo	Massa X	Massa Y	Massa Z	Massa rot. X	Massa rot. Y	Massa rot. Z	Massa sX	Massa sY
1	1.025879421	0.000727156	0.000000105	0	0.000000135	0.000099947	0.000477154	0.000727156	0.000000105
2	0.935274741	0.009277504	0.000008732	0	0.000003731	0.001556072	0.007355014	0.009277504	0.000008732
3	0.809409217	0.005765407	0.000001191	0	0.000004345	0.015015397	0.003966335	0.005765407	0.000001191
4	0.795475668	0.000076739	0.004047333	0	0.014643345	0.000295277	0.002491275	0.000076739	0.004047333
5	0.779004491	0.002677182	0.000149814	0	0.000721012	0.009184613	0.001049445	0.002677182	0.000149814
6	0.737667276	0.000342397	0.001307422	0	0.003324738	0.000581229	0.000177738	0.000342397	0.001307422
7	0.718807477	0.000002695	0.005694464	0	0.007858984	0.000004477	0.00195141	0.000002695	0.005694464
8	0.642886085	0.032260592	0.00042035	0	0.000260715	0.019504467	0.012811018	0.032260592	0.00042035
9	0.634586187	0.005155911	0.065711677	0	0.040614256	0.003347122	0.032354138	0.005155911	0.065711677
10	0.608987282	0.053367478	0.005622264	0	0.003214186	0.033833782	0.040043941	0.053367478	0.005622264
11	0.585178599	0.006195849	0.013677846	0	0.007396114	0.003298408	0.000253161	0.006195849	0.013677846
12	0.519694748	0.002036496	0.015210338	0	0.011416273	0.001029969	0.017438886	0.002036496	0.015210338
13	0.460329957	0.025349858	0.001032224	0	0.00078643	0.021491438	0.010066121	0.025349858	0.001032224
14	0.381090937	0.019121312	0.322882884	0	0.349242811	0.022692888	0.227551735	0.019121312	0.322882884
15	0.361365967	0.628580894	0.082713273	0	0.088043634	0.705815572	0.134188952	0.628580894	0.082713273
16	0.356607465	0.062579528	0.406699599	0	0.440887479	0.067859842	0.337178968	0.062579528	0.406699599
17	0.284407033	0.093118709	0.000466375	0	0.000663117	0.061382473	0.010277219	0.093118709	0.000466375

Modo	Periodo	Massa X	Massa Y	Massa Z	Massa rot. X	Massa rot. Y	Massa rot. Z	Massa sX	Massa sY
18	0.230357488	0.000403439	0.019786823	0	0.001527289	0.000148741	0.0108666	0.000403439	0.019786823
19	0.142125957	0.045507533	0.00001812	0	0.00003359	0.010975432	0.021679704	0.045507533	0.00001812
20	0.12899589	0.000048837	0.045503337	0	0.012856754	0.000005839	0.023319125	0.000048837	0.045503337

Equilibrio globale forze

***Contributo**: Nome attribuito al sistema risultante.*
***Fx**: Componente X di forza del sistema risultante. [daN]*
***Fy**: Componente Y di forza del sistema risultante. [daN]*
***Fz**: Componente Z di forza del sistema risultante. [daN]*
***Mx**: Componente di momento attorno l'asse X del sistema risultante. [daN*cm]*
***My**: Componente di momento attorno l'asse Y del sistema risultante. [daN*cm]*
***Mz**: Componente di momento attorno l'asse Z del sistema risultante. [daN*cm]*

Bilancio in condizione di carico: Pesi strutturali

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	-1.307	2.115	-4778543.088	-15746151978	14958122747	11134
Reazioni	1.307	-2.115	4778543.088	15746151978	-14958122747	-11134
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Permanenti portati

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	-485673.367	-1615301669	1535409775	0
Reazioni	0	0	485673.367	1615301669	-1535409775	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Variabile H

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	-62868.966	-208294854	210492934	0
Reazioni	0	0	62868.966	208294854	-210492934	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Neve

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	-37170.629	-125995462	124865609	0
Reazioni	0	0	37170.629	125995462	-124865609	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Variabile C

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	-479164.994	-1571338858	1478171087	0
Reazioni	0	0	479164.994	1571338858	-1478171087	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sisma X SLV

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	1054309.861	0	0	0	655173318	-3427071614
Reazioni	-1054309.861	0	0	0	-655173318	3427071614
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sisma Y SLV

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	1054309.861	0	-655173318	0	3513928968
Reazioni	0	-1054309.861	0	655173318	0	-3513928968
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sisma X SLD

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	466574.038	0	0	0	289940246	-1516615465
Reazioni	-466574.038	0	0	0	-289940246	1516615465
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sisma Y SLD

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	466574.038	0	-289940246	0	1555053299
Reazioni	0	-466574.038	0	289940246	0	-1555053299
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sisma X SLO

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	562102.575	0	0	0	349303960	-1827134366
Reazioni	-562102.575	0	0	0	-349303960	1827134366
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sisma Y SLO

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	562102.575	0	-349303960	0	1873442140
Reazioni	0	-562102.575	0	349303960	0	-1873442140
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Rig. Ux

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	1	0	0	0	828	-1028
Reazioni	-1	0	0	0	-828	1028
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Rig. Uy

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	1	0	-828	0	2538
Reazioni	0	-1	0	828	0	-2538
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Rig. Rz

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	0	0	0	1
Reazioni	0	0	0	0	0	-1
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Risposta di spettro

***Spettro**: condizione elementare corrispondente allo spettro.*
***N.b.**: nome breve della condizione elementare.*
***Fx**: componente della forza lungo l'asse X. [daN]*
***Fy**: componente della forza lungo l'asse Y. [daN]*
***Fz**: componente della forza lungo l'asse Z. [daN]*
***Mx**: componente della coppia attorno all'asse X. [daN*cm]*
***My**: componente della coppia attorno all'asse Y. [daN*cm]*
***Mz**: componente della coppia attorno all'asse Z. [daN*cm]*
***Max X**: massima reazione lungo l'asse X.*
***Valore**: valore massimo della reazione. [daN]*
***Angolo**: angolo d'ingresso del sisma che provoca il valore massimo della reazione. [deg]*
***Max Y**: massima reazione lungo l'asse Y.*
***Valore**: valore massimo della reazione. [daN]*
***Angolo**: angolo d'ingresso del sisma che provoca il valore massimo della reazione. [deg]*
***Max Z**: massima reazione lungo l'asse Z.*
***Valore**: valore massimo della reazione. [daN]*
***Angolo**: angolo d'ingresso del sisma che provoca il valore massimo della reazione. [deg]*

Spettro	Fx	Fy	Fz	Mx	My	Mz	Max X		Max Y		Max Z	
N.b.							Valore	Angolo	Valore	Angolo	Valore	Angolo
X SLV	915388.8	50220.17	0	2.934E07	5.442E08	3.053E09	915494.84	1	946438.98	90	0	0
Y SLV	50220.17	946438.98	0	5.572E08	3.098E07	3.040E09	915494.84	1	946438.98	90	0	0
X SLD	405058.31	22223.79	0	1.298E07	2.408E08	1.351E09	405105.26	1	418786.68	90	0	0
Y SLD	22223.79	418786.68	0	2.466E08	1.371E07	1.345E09	405105.26	1	418786.68	90	0	0
X SLO	486638.4	26668.88	0	1.560E07	2.896E08	1.624E09	486694.32	1	503405.92	90	0	0
Y SLO	26668.88	503405.92	0	2.966E08	1.649E07	1.616E09	486694.32	1	503405.92	90	0	0

Comune di Squillace

Provincia di Catanzaro

Piazza Municipio, n° 1, cap 88069, tel. 0961/914020, fax 0961/914019,
e-mail: uff-tecnico-urbanistica@comune.squillace.cz.it, P.I. 00182160796

VERIFICA DELLA VULNERABILITA' SISMICA DELL'EDIFICIO SCOLASTICO "Scuola dell'Infanzia e Primaria via Damiano Assanti n° 15" - codice: 0791420761.

CUP: C89F18000240001 - CIG: ZD125C5F65

Oggetto:

FASCICOLO DEI CALCOLI
VERIFICHE STRUTTURALI

Elab. n° REL.03.D

Scala:

Data: Marzo 2019

Il Responsabile del Procedimento: Arch. Antonio Macaluso

Soggetti incaricati:

Elio CONTE
Architetto
CAPOGRUPPO

SPI SRL
MANDANTE

Ugo Ugati
Geologo
MANDANTE

ORDINE DEGLI ARCHITETTI DELLA PROVINCIA DI NAPOLI — ARCHITETTO ELIO CONTE — ALBO N. 8590

STUDIO PROGETTAZIONI D'INGEGNERIA-SPI s.r.l.

ORDINE DEI GEOLOGI della Regione Campania — dr. geol. UGO UGATI Albo n. 1649

Agg.	*Agg.*	*Agg.*	*Agg.*

R.T.P. CONTE
c/o Arch. Elio Conte, Via Carlo de Marco n° 135, 80137 Napoli - Tel./fax 081 7517736, e-mail: conte.arch.elio@fastwebnet.it

Rappresentazione generale delle verifiche

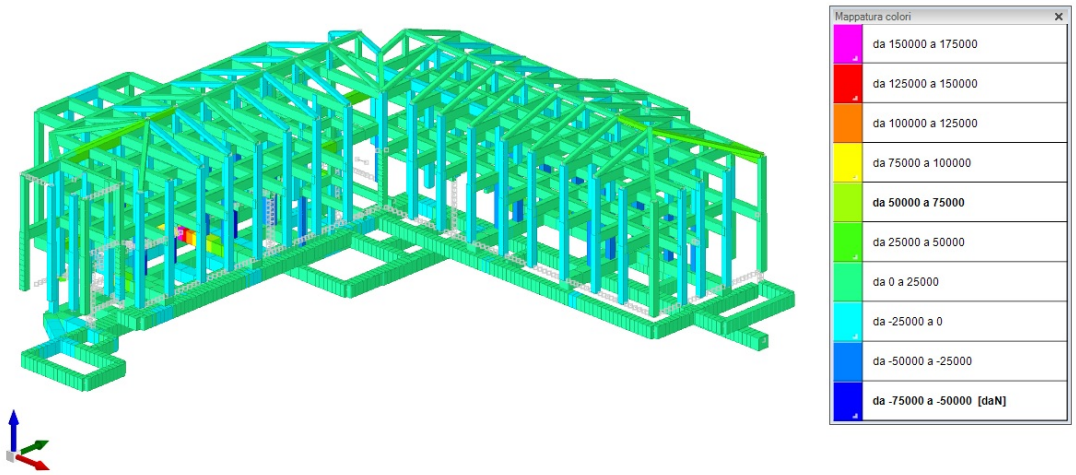


Figura 1 – F1 Massime

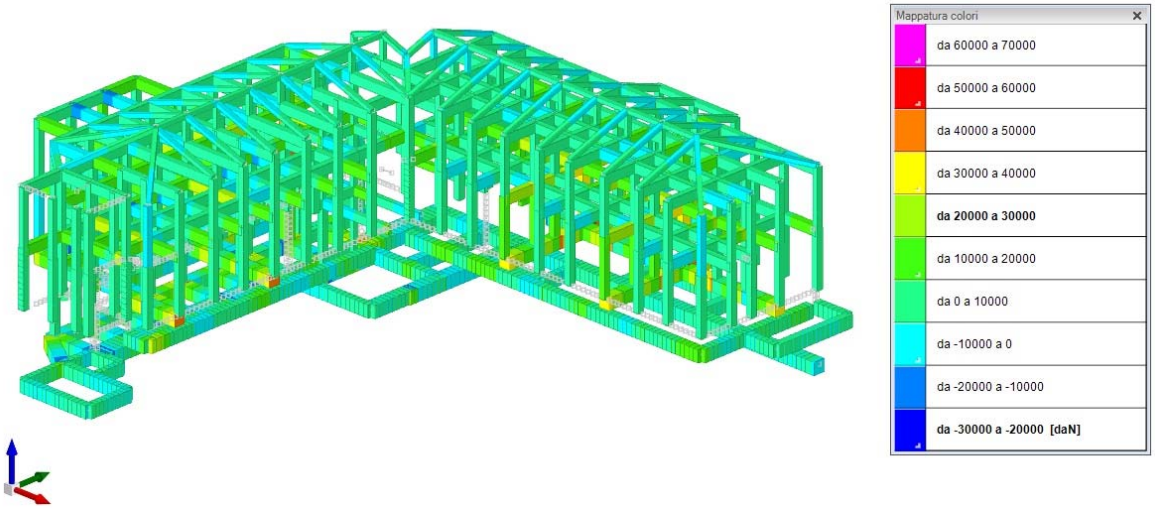


Figura 2 – F2 Massime

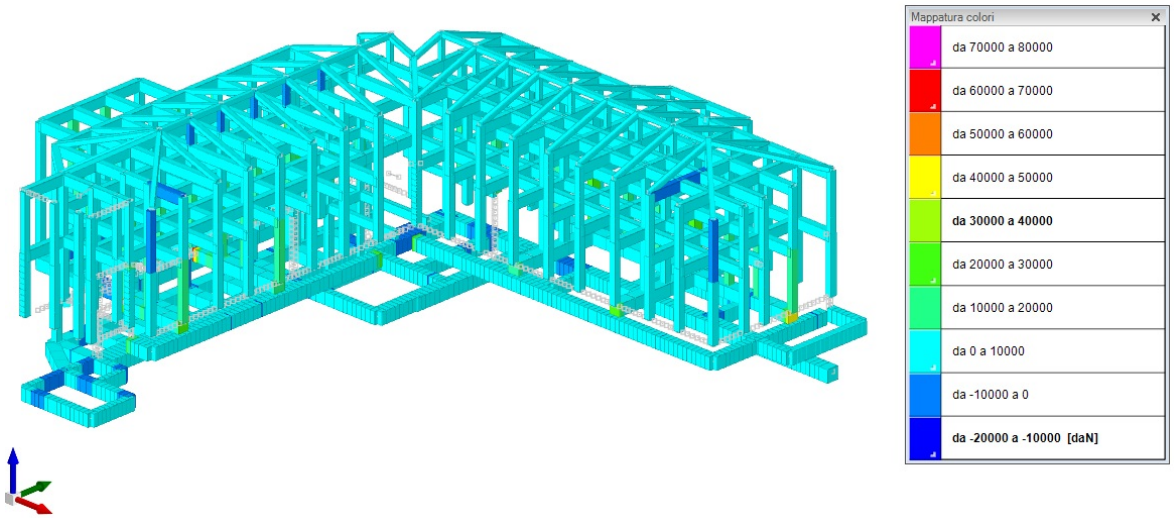


Figura 3 – F3 Massime

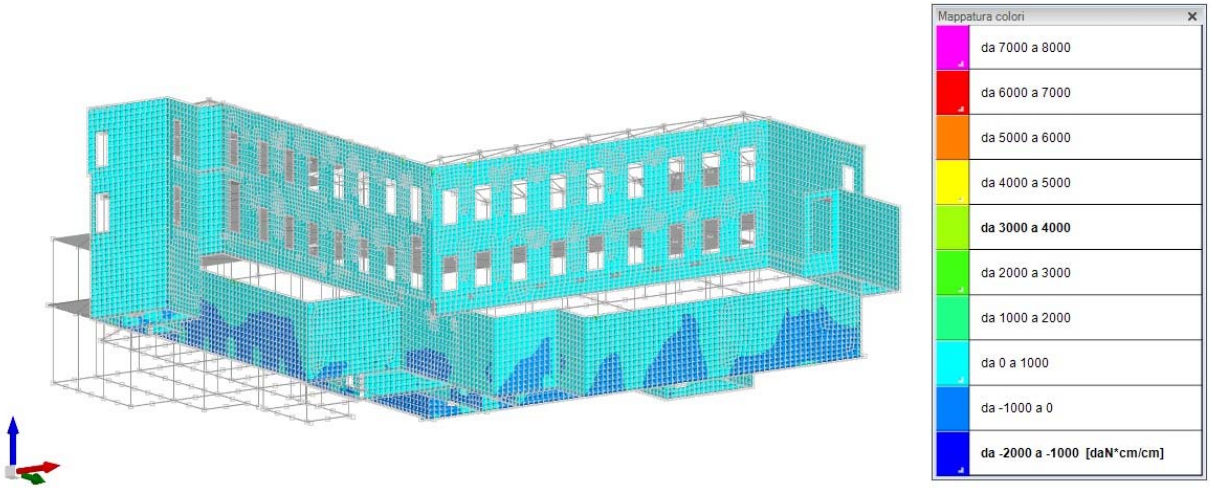


Figura 4 – M00 massime

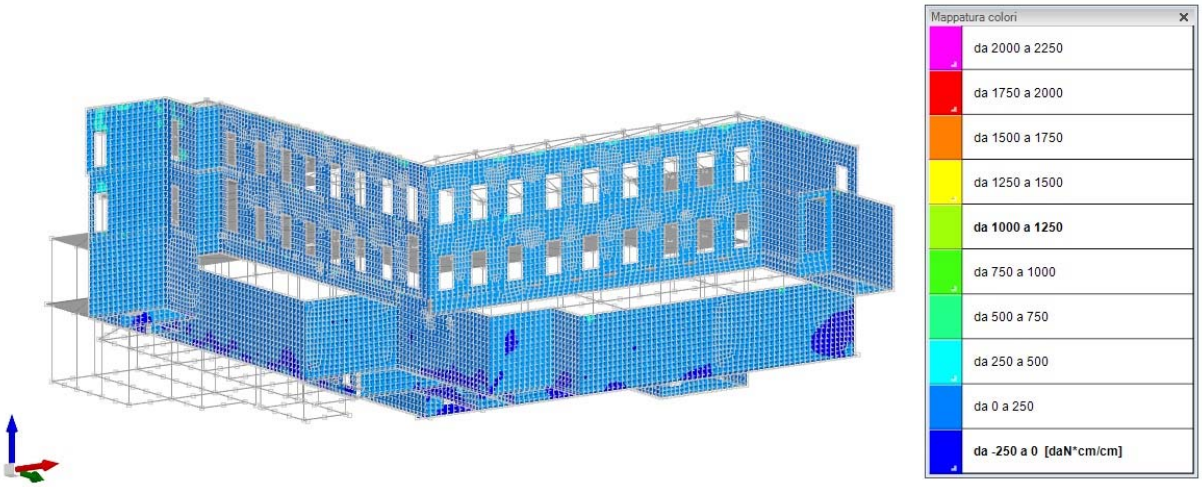


Figura 5 – M0z Massime

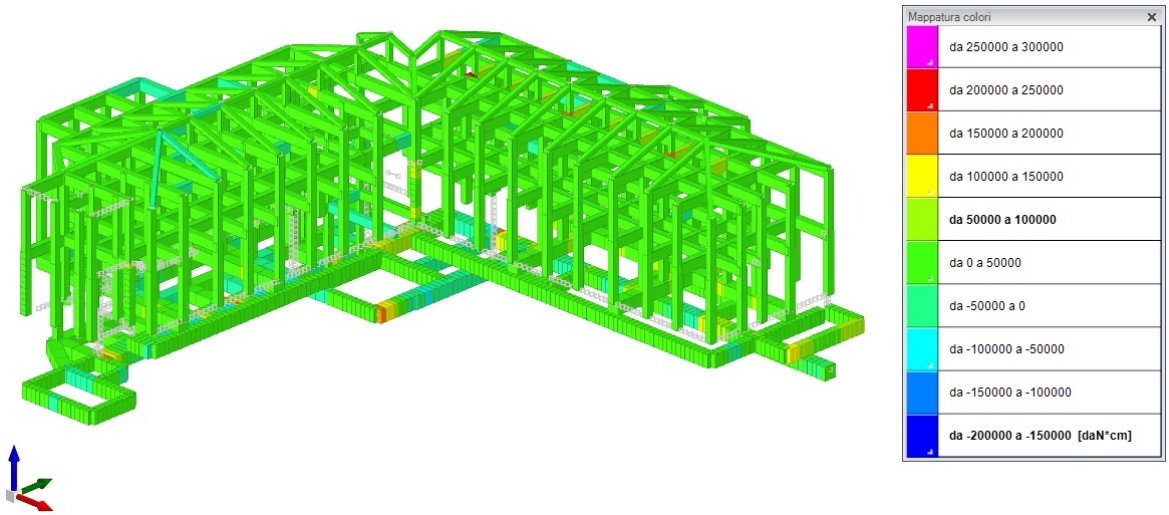


Figura 6 – M1 Massime

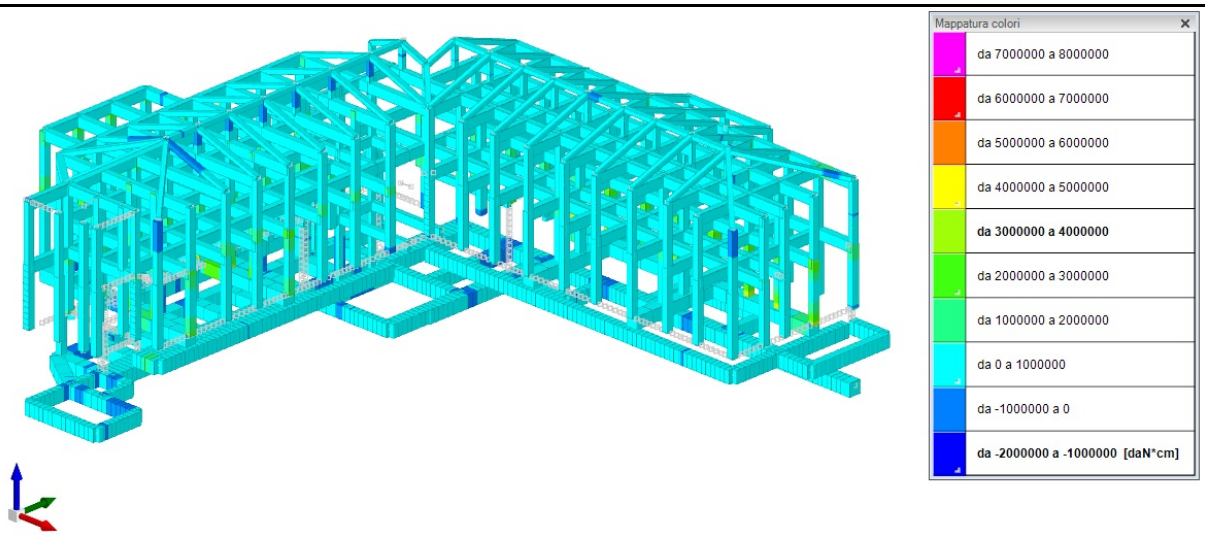


Figura 7 – M2 Massime

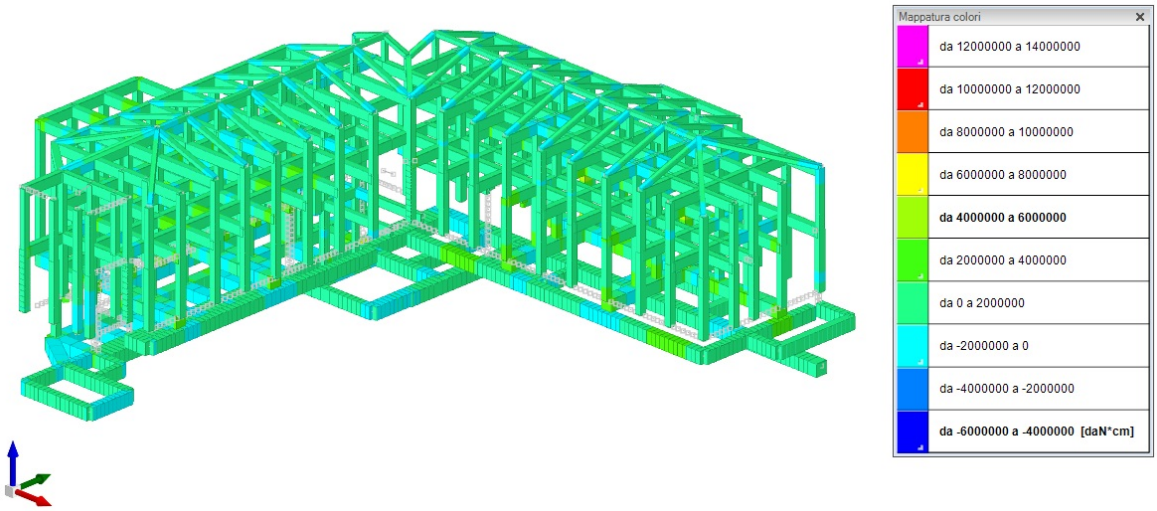


Figura 8 – M3 Massime

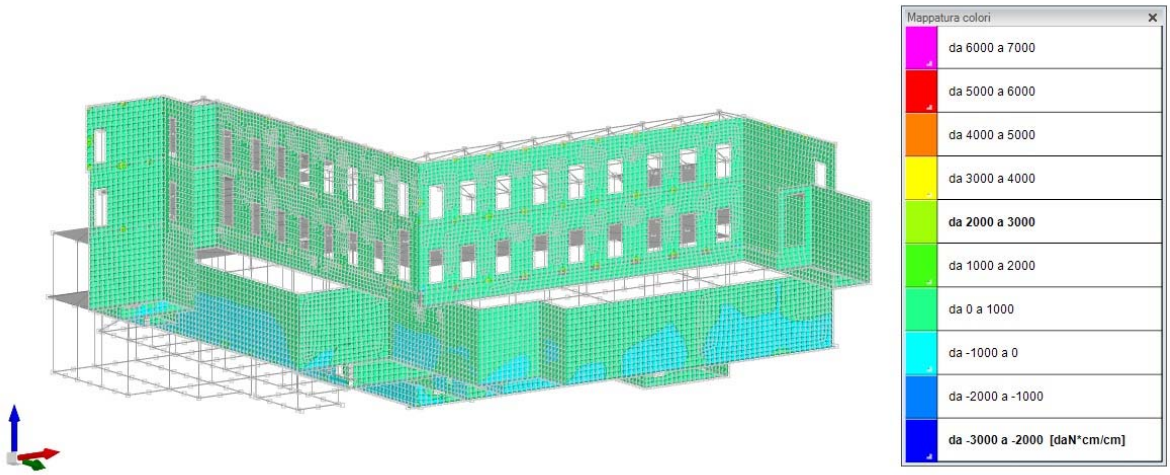


Figura 9 – Mzz Massime

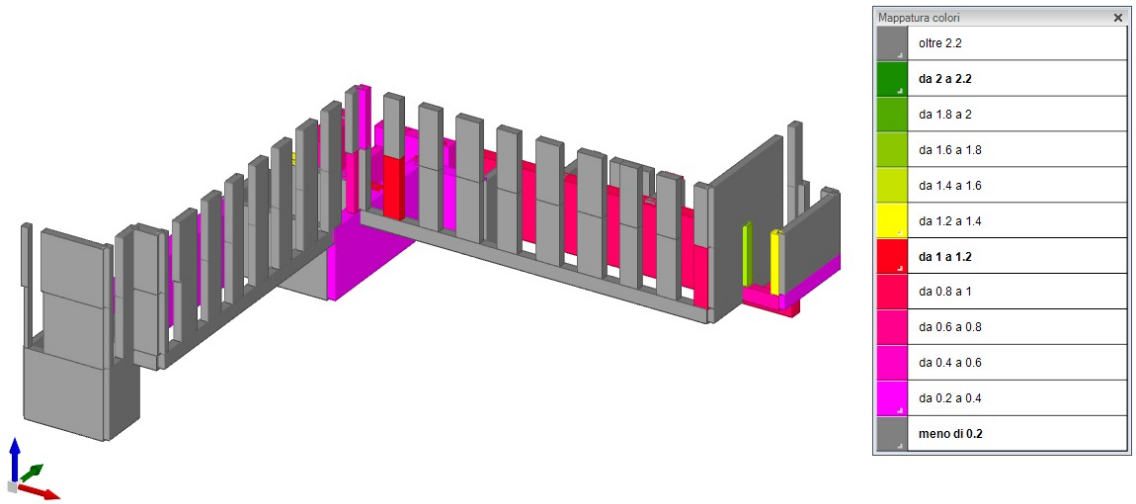


Figura 10 – Sicurezza Minima Murature

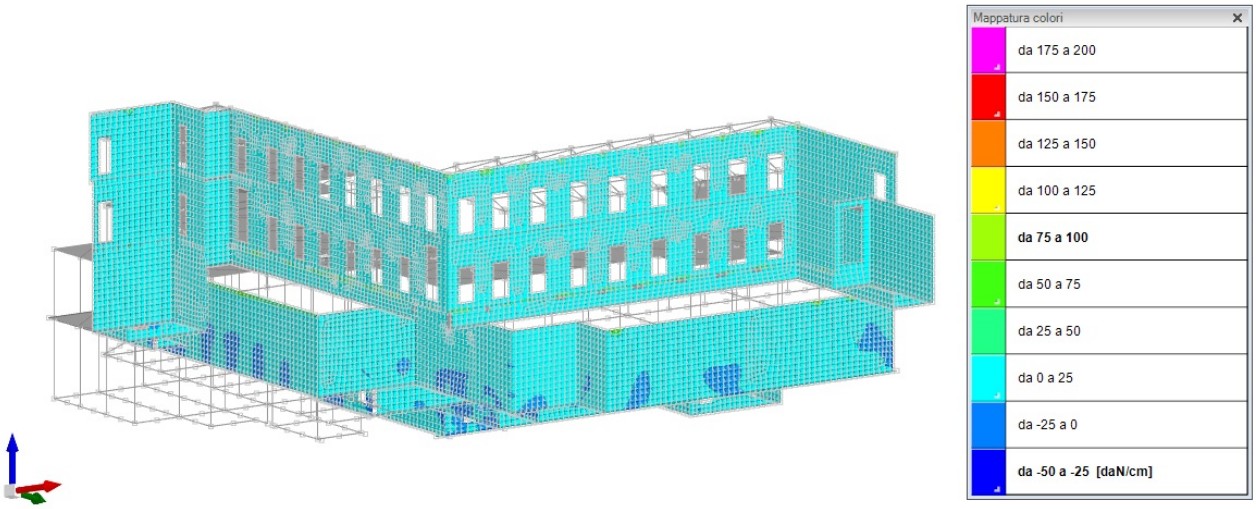


Figura 11 – V0 Massime

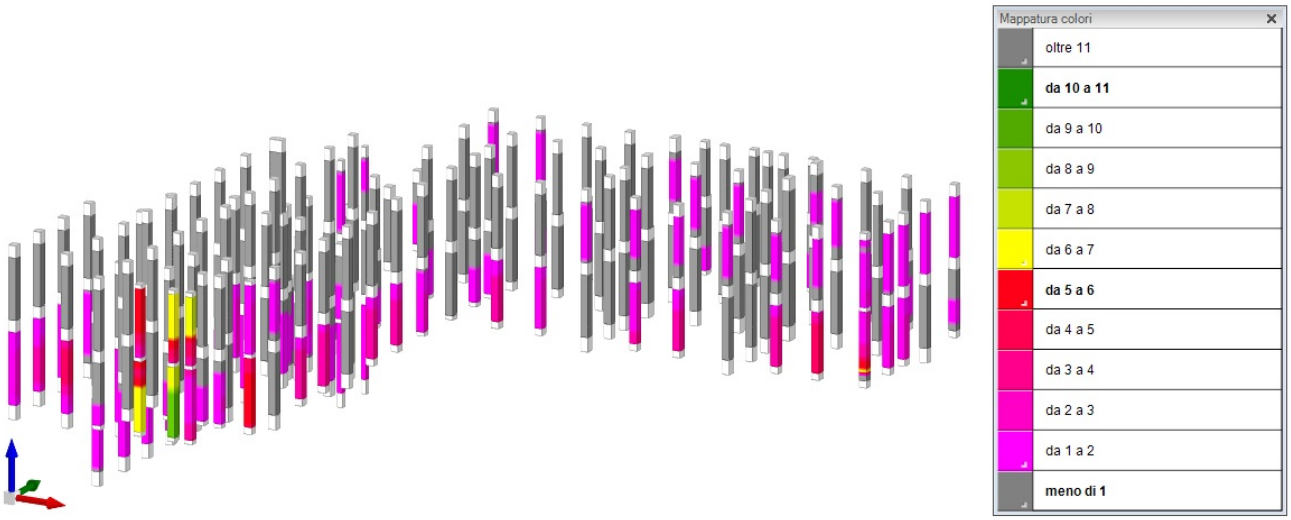


Figura 12 – Sicurezza Minima Pilastri in cemento armato

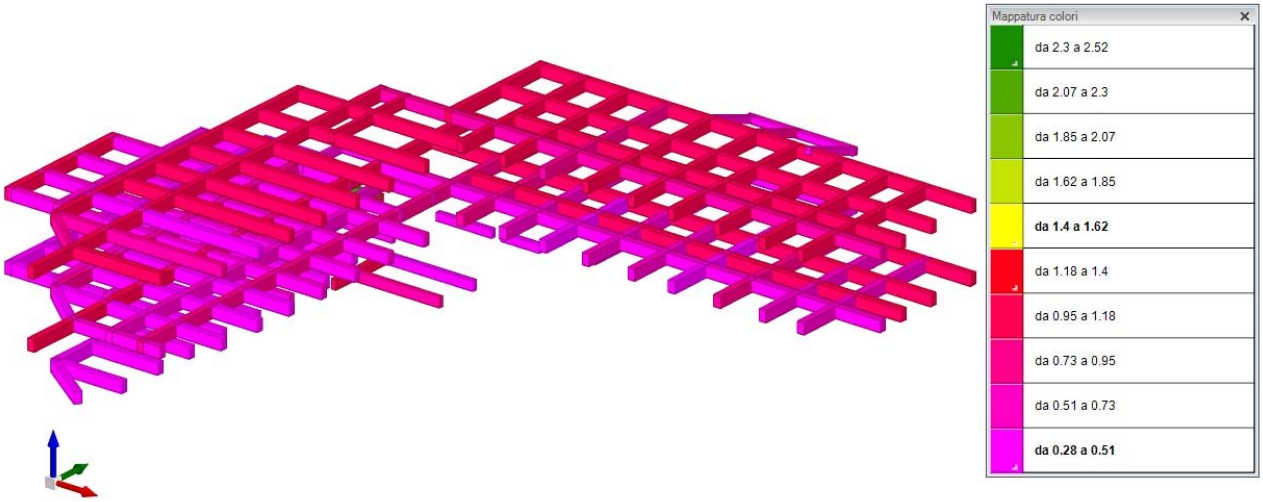


Figura 13 – Sicurezza Minima Travi in cemento armato

Verifiche

Verifica edifici esistenti

***Desc.**: descrizione*
***Stato limite**: (muratura) V=Taglio; PF=Pressoflessione; PFFP=Pressoflessione fuori piano; R=Ribaltamento*
***ζE**: rapporto tra l'azione sismica massima sopportabile dall'elemento e e l'azione sismica massima che si utilizzerebbe nel progetto nuovo*
***Comb.**: combinazione*
***PGA**: accelerazione al suolo*
***PGA/PGArif**: indicatore di rischio sismico in termini di PGA*
***TR**: tempo di ritorno*
***(TR/TRrif)^.41**: indicatore di rischio sismico in termini di periodo di ritorno*
***Stato limite**: (muratura) V=Taglio; PF=Presso flessione; PFFP=Pressoflessione fuori piano; R=Ribaltamento*
***Coeff.s.**: coefficiente minimo prodotto dallo stato limite*
***Verifica**: stato di verifica*
***Stato limite**: (C.A.) tipologia di verifica analizzata*
***Trave**: titolo della trave*
***Pressoflessione**: dati della verifica a pressoflessione*
***Coeff.s.**: coefficiente di sicurezza a flessione*
***iPGA**: indicatore di rischio sismico in termini di accelerazione*
***iTR**: indicatore di rischio sismico in termini di tempo di ritorno*
***Taglio**: dati della verifica a taglio*
***Coeff.s.**: coefficiente di sicurezza a taglio*
***Pilastro**: titolo del pilastro*
***Nodi**: dati della verifica dei nodi*
***Coeff.s.**: coefficiente di sicurezza del nodo*
***Conf.**: nodo interamente confinato*
***Maschio**: maschio*
***Stato limite**: (maschio muratura) V=Taglio; PF=Presso flessione; PFFP=Presso flessione fuori piano; R=Ribaltamento*
***Trave**: trave di collegamento in muratura*
***Stato limite**: (trave muratura) V=Taglio; F=Flessione*
***TR,C**: periodo di ritorno di capacità*
***TR,Rif**: periodo di ritorno di riferimento*
***PAM**: perdita media annua attesa*
***Classe PAM**: classe di rischio PAM*
***IS-V**: indice di sicurezza*
***Classe IS-V**: classe di rischio IS-V*
***Tipo rottura**: tipo di rottura che fornisce il valore minimo degli elementi considerati*
***Segnalazioni**: eventuali segnalazioni*

Verifica di edificio esistente con fattore q

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.) § C8.7.2.4 e § C8.7.1

Accelerazioni e tempi di ritorno

Accelerazione di aggancio SLV (ag/g_SLV*S*ST) PGA,SLVrif = 0.364
Accelerazione di aggancio SLO (ag/g_SLO*S*ST) PGA,SLOrif = 0.108
Tr,SLVrif = 712 anni
Tr,SLOrif = 45 anni

ζEminimi delle condizioni sismiche

Rottura a pressoflessione “Travi”

ζE: 0.216
Trave a "Piano Terra" (1926; 3516)-29A
Indicatore iTr=(Tr/Tr,SLVrif)^.41 = 0.269
Indicatore iPGA=PGA/PGA,SLVrif = 0.223

Rottura a Taglio “Travi”

ζE: 0.485
Trave a "Piano Terra" (1926; 3516)-29A
Indicatore iTr=(Tr/Tr,SLVrif)^.41 = 0.518
Indicatore iPGA=PGA/PGA,SLVrif = 0.502

Rottura a taglio “Pilastri”

ζE: 0.235
Pilastrata 29B
Indicatore iTr=(Tr/Tr,SLVrif)^.41 = 0.295
Indicatore iPGA=PGA/PGA,SLVrif = 0.251

Rottura a pressoflessione “Pilastri”

ζE: 0.165

Pilastrata 36C
Indicatore iTr=(Tr/Tr,SLVrif)^.41 = 0.216
Indicatore iPGA=PGA/PGA,SLVrif = 0.168

Raggiungimento dello spostamento limite di interpiano
ζE: 0.308
Combinazione SLO 13
Indicatore iTr=(Tr/Tr,SLOrif)^.41 = 0.371
Indicatore iPGA=PGA/PGA,SLOrif = 0.278

Rottura a Pressoflessione “Pannelli di maschio muratura”

ζE: 0.042
Maschio 43
Indicatore iTr=(Tr/Tr,SLVrif)^.41 = 0.068
Indicatore iPGA=PGA/PGA,SLVrif = 0.038

Rottura a Taglio “Pannelli di maschio muratura”

ζE: 0.044
Maschio 40
Indicatore iTr=(Tr/Tr,SLVrif)^.41 = 0.068
Indicatore iPGA=PGA/PGA,SLVrif = 0.038

Rottura a Pressoflessione fuori piano “Pannelli di maschio muratura”

ζE: 0.085
Maschio 41
Indicatore iTr=(Tr/Tr,SLVrif)^.41 = 0.119
Indicatore iPGA=PGA/PGA,SLVrif = 0.080

Verifica a flessione semplice e a taglio delle travi

Trave	Pressoflessione				Taglio				Verifica
	Coeff.s.	ζE	iPGA	iTR	Coeff.s.	ζE	iPGA	iTR	
Trave a "Piano Terra" 9-(4161; 4896)	0,493	0,577	0,594	0,601	1.008	1.008	1.008	1.008	No
Trave a "Piano Terra" 15-16	0,291	0,27	0,282	0,322	1.063	1.075	1.072	1.075	No
Trave a "Piano Terra" 25A-25B	2.688	3.174	1.575	1.666	2,52	3.134	1.575	1.666	Si
Trave a "Piano Terra" 25C-25A	1.058	1.302	1.286	1.317	1.147	1.446	1,42	1.477	Si
Trave a "Piano Terra" 25C-25D	0,785	0,696	0,708	0,711	1.096	1.154	1.148	1.156	No
Trave a "Piano Terra" 25C-25D	0,45	0,447	0,464	0,484	1,01	1.013	1.012	1.012	No
Trave a "Piano Terra" 25C-60C	0,584	0,539	0,555	0,566	1.006	1.008	1.008	1.008	No
Trave a "Piano Terra" 25D-25B	1.001	1.002	1.001	1.001	1.012	1.019	1.018	1.019	Si
Trave a "Piano Terra" 29A-(2291; 3881)	0,54	0,303	0,319	0,355	1.016	1.018	1.018	1.018	No
Trave a "Piano Terra" 36A-(2281; 3566)	0,291	0,096	0,088	0,119	0,756	0,608	0,624	0,63	No
Trave a "Piano Terra" 49-(2999; 3386)	0,755	0,643	0,657	0,663	1.003	2,86	1.575	1.666	No
Trave a "Piano Terra" 54A-(2361; 2924)	0,673	0,053	0,038	0,068	1.023	1.065	1.063	1.065	No
Trave a "Piano Terra" 60A-49A	0,342	0,191	0,198	0,245	1.004	1.006	1.005	1.005	No
Trave a "Piano Terra" 60A-(2361; 2306)	0,434	0,372	0,389	0,416	1.003	1.004	1.003	1.003	No
Trave a "Piano Terra" 60B-36A	0,512	0,452	0,47	0,488	1.012	1.014	1.013	1.014	No
Trave a "Piano Terra" 70-25D	0,465	0,186	0,188	0,236	0,997	0,997	0,997	0,997	No
Trave a "Piano Terra" 70-73	0,41	0,228	0,235	0,28	1.025	1.029	1.027	1.028	No
Trave a "Piano Terra" 70-(2361; 1496)	0,444	0,253	0,265	0,307	1.013	1.022	1,02	1.021	No
Trave a "Piano Terra" (1926; 3516)-29A	***0,282***	***0,216***	***0,223***	***0,269***	***0,676***	***0,485***	***0,502***	***0,518***	***No***
Trave a "Piano Terra" (2291; 4226)-(2666; 4226)	0,386	0,268	0,282	0,322	1.071	1.092	1.089	1.092	No
Trave a "Piano Terra" (2396; 3201)-37	0,998	1.041	1.039	1.041	1.049	1.059	1.057	1.059	No
Trave a "Piano Terra" (3296; 4291)-(3296; 4520)	0,381	0,352	0,368	0,397	1.075	1.093	1.089	1.092	No
Trave a "Piano 1" 1-3	0,391	0,342	0,357	0,389	1.004	1.005	1.005	1.005	No
Trave a "Piano 1" 4A-14	0,998	0,997	0,997	0,997	1.001	1.001	1.001	1.001	No
Trave a "Piano 1" 10-3	0,588	0,536	0,554	0,565	1.034	1.044	1.042	1.044	No
Trave a "Piano 1" 15A-25	0,959	0,955	0,957	0,955	1.001	1.001	1.001	1.001	No
Trave a "Piano 1" 25C-25D	0,385	0,378	0,395	0,422	1.022	1.024	1.023	1.024	No
Trave a "Piano 1" 25C-60C	0,457	0,338	0,355	0,386	0,975	0,96	0,961	0,96	No
Trave a "Piano 1" 29A-29B	0,675	0,645	0,66	0,665	1.005	1.006	1.006	1.006	No
Trave a "Piano 1" 30-36	0,651	0,524	0,541	0,553	1.009	1,01	1.009	1.009	No
Trave a "Piano 1" 36A-38	0,537	0,543	0,561	0,572	1,03	1.034	1.032	1.033	No
Trave a "Piano 1" 37-(2734; 3666)	0,665	0,616	0,632	0,638	0,989	0,981	0,981	0,981	No
Trave a "Piano 1" 39-5	0,783	0,937	0,939	0,937	0,988	0,987	0,987	0,987	No
Trave a "Piano 1" 40-6	0,649	0,361	0,377	0,406	1.002	1.005	1.005	1.005	No
Trave a "Piano 1" 41-7	0,501	0,19	0,193	0,24	1.004	1.007	1.007	1.007	No
Trave a "Piano 1" 42-1	0,57	0,579	0,596	0,604	1.001	1.001	1.001	1.001	No
Trave a "Piano 1" 45-11	0,783	0,842	0,847	0,843	1.001	1.001	1.001	1.001	No
Trave a "Piano 1" 46-12	0,535	0,105	0,105	0,15	1.009	1.042	1,04	1.042	No
Trave a "Piano 1" 47-13	0,579	0,123	0,12	0,167	1.004	1,02	1.019	1,02	No
Trave a "Piano 1" 49-37	0,607	0,594	0,611	0,618	1.004	1.004	1.004	1.004	No
Trave a "Piano 1" 49A-54	0,511	0,452	0,47	0,488	1.003	1.004	1.004	1.004	No
Trave a "Piano 1" 54A-57	0,637	0,145	0,146	0,194	1.034	1.057	1.054	1.056	No
Trave a "Piano 1" 60A-49A	1.011	1.026	1.025	1.026	1.005	1.006	1.006	1.006	Si
Trave a "Piano 1" 60A-63	0,546	0,529	0,547	0,559	0,988	0,984	0,984	0,984	No
Trave a "Piano 1" 60B-36A	0,618	0,605	0,621	0,628	1.037	1.044	1.043	1.044	No
Trave a "Piano 1" 70-25D	0,945	0,924	0,927	0,925	1.002	1.002	1.002	1.002	No
Trave a "Piano 1" 70-72	0,333	0,32	0,336	0,37	0,989	0,988	0,988	0,988	No
Trave a "Piano 1" 70-73	0,357	0,158	0,158	0,205	1.023	1.034	1.032	1.033	No
Trave a "Piano 1" 73-74	0,603	0,709	0,721	0,723	0,99	0,988	0,988	0,988	No
Trave a "Piano 1" 73A-52A	0,619	0,616	0,632	0,638	1.006	1.008	1.007	1.007	No
Trave a "Piano 1" 73B-4	0,783	0,946	0,947	0,945	1.009	1.012	1.011	1.011	No
Trave a "Piano 1" 76-4A	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	Si
Trave a "Piano 1" (1926; 3516)-29A	0,6	0,616	0,632	0,638	1.042	1.048	1.046	1.047	No
Trave a "Piano 1" (2689; 3971)-29	1.013	1.018	1.017	1.017	1.268	1.455	1.428	1.487	Si
Trave a "Piano 2" 4-14	1.009	1.013	1.012	1.012	1.012	1.016	1.015	1.015	Si

Trave	Pressoflessione				Taglio				Verifica
	Coeff.s.	ζE	iPGA	iTR	Coeff.s.	ζE	iPGA	iTR	
Trave a "Piano 2" 30-36	0,941	0,923	0,925	0,923	1.026	1.039	1.037	1.039	No
Trave a "Piano 2" 32-4	1.023	1.023	1.022	1.023	1.003	1.003	1.003	1.003	Si
Trave a "Piano 2" 36C-(3031; 3566)	1.065	1.086	1.083	1.086	1.011	1.015	1.014	1.015	Si
Trave a "Piano 2" 39-5	1,02	1.025	1.024	1.025	1.013	1.014	1.013	1.014	Si
Trave a "Piano 2" 40-6	0,995	0,994	0,994	0,994	1.005	1,01	1.009	1.009	No
Trave a "Piano 2" 41-7	0,94	0,915	0,918	0,915	1.023	1.053	1.051	1.053	No
Trave a "Piano 2" 42-8	0,983	0,979	0,979	0,978	1.012	1.014	1.013	1.013	No
Trave a "Piano 2" 43-9	1.006	1.085	1.082	1.085	1.027	1.139	1.133	1.139	Si
Trave a "Piano 2" 44-9A	1.001	1.065	1.062	1.064	1.051	1.153	1.146	1.154	Si
Trave a "Piano 2" 45-11	0,986	0,984	0,984	0,984	1.046	1.067	1.064	1.066	No
Trave a "Piano 2" 46-12	1.001	1.004	1.003	1.003	1.019	1.046	1.044	1.046	Si
Trave a "Piano 2" 47-13	1.054	1.175	1.167	1.178	1.223	1.289	1.274	1.303	Si
Trave a "Piano 2" 50-54	0,978	0,97	0,971	0,97	1.013	1,02	1.019	1.019	No
Trave a "Piano 2" 55-57	1.016	1.094	1,09	1.093	1.024	1,06	1.057	1,06	Si
Trave a "Piano 2" 58-60	1.018	1.081	1.077	1,08	1.009	1.025	1.024	1.025	Si
Trave a "Piano 2" 61-63	1.024	1.052	1,05	1.052	1.009	1.011	1,01	1,01	Si
Trave a "Piano 2" 64-66	0,964	0,95	0,952	0,95	1.002	1.003	1.003	1.003	No
Trave a "Piano 2" 70-36C	1.011	1.013	1.012	1.012	1.004	1.005	1.005	1.005	Si
Trave a "Piano 2" 70-72	0,775	0,857	0,861	0,857	1.024	1.035	1.034	1.035	No
Trave a "Piano 2" 70-73	0,876	0,806	0,813	0,811	1,09	1.174	1.167	1.177	No
Trave a "Piano 2" 73-74	1.001	1.002	1.002	1.002	1.009	1.011	1,01	1,01	Si
Trave a "Piano 2" 76-30	1.002	1.003	1.002	1.002	1.003	1.004	1.003	1.003	Si
Trave a "Piano 2" (2396; 3186)-31	1.092	1,3	1.284	1.314	1.073	1.135	1,13	1.135	Si
Trave a "Piano 2" (2689; 4271)-25	1.002	1.004	1.003	1.003	1.005	1.008	1.008	1.008	Si
Trave a "Piano 2" (2989; 3971)-29	1,01	1.018	1.018	1.018	1.303	1.695	1.575	1.666	Si
Trave a "Falda 3" 1-3	0,694	0,687	0,7	0,704	0,926	0,878	0,882	0,878	No
Trave a "Falda 3" 8-1	0,553	0,534	0,551	0,563	1.037	1.043	1.042	1.043	No
Trave a "Falda 3" 9-2	0,771	0,757	0,767	0,767	1,37	1,51	1.479	1.549	No
Trave a "Falda 3" 10-3	0,688	0,67	0,684	0,688	1.063	1.084	1,08	1.083	No

Verifica a pressoflessione e taglio dei pilastri;

Pilastro	Pressoflessione				Taglio				Verifica
	Coeff.s.	ζE	iPGA	iTR	Coeff.s.	ζE	iPGA	iTR	
Pilastrata 1	0.433	0.405	0.422	0.445	0.527	0.495	0.512	0.527	No
Pilastrata 2	0.476	0.547	0.564	0.574	0.642	0.621	0.636	0.642	No
Pilastrata 3	0.552	0.524	0.542	0.555	0.68	0.652	0.666	0.671	No
Pilastrata 4	0.693	0.743	0.753	0.754	1.091	1.082	1.079	1.082	No
Pilastrata 4a	0.772	0.779	0.788	0.787	1.771	1.969	1.575	1.666	No
Pilastrata 5	0.49	0.604	0.62	0.627	0.999	1	1	1	No
Pilastrata 6	0.421	0.443	0.46	0.48	0.586	0.674	0.687	0.691	No
Pilastrata 8	0.156	0.126	0.127	0.174	0.307	0.202	0.206	0.253	No
Pilastrata 9	0.421	0.39	0.407	0.432	0.605	0.587	0.603	0.611	No
Pilastrata 9A	0.389	0.366	0.382	0.41	0.953	0.943	0.945	0.944	No
Pilastrata 10	0.362	0.335	0.349	0.382	0.774	0.76	0.769	0.77	No
Pilastrata 11	0.203	0.17	0.174	0.221	0.342	0.285	0.298	0.337	No
Pilastrata 15	0.274	0.33	0.347	0.379	0.53	0.521	0.539	0.552	No
Pilastrata 15A	0.356	0.387	0.404	0.43	0.645	0.694	0.707	0.71	No
Pilastrata 16	0.345	0.428	0.445	0.467	0.542	0.548	0.565	0.575	No
Pilastrata 17	0.364	0.346	0.362	0.393	0.606	0.568	0.586	0.594	No
Pilastrata 18	0.165	0.133	0.134	0.181	0.414	0.31	0.324	0.36	No
Pilastrata 19	0.134	0.183	0.188	0.236	0.28	0.288	0.301	0.339	No
Pilastrata 20	0.192	0.309	0.324	0.36	0.451	0.44	0.459	0.479	No
Pilastrata 21	0.174	0.217	0.223	0.269	0.429	0.372	0.389	0.416	No
Pilastrata 22	0.141	0.219	0.227	0.273	0.372	0.371	0.389	0.416	No
Pilastrata 23	0.198	0.318	0.333	0.368	0.453	0.451	0.47	0.488	No
Pilastrata 24	0.216	0.341	0.357	0.389	0.454	0.484	0.502	0.518	No
Pilastrata 25	0.24	0.342	0.357	0.389	0.466	0.488	0.506	0.521	No
Pilastrata 25A	1.759	1.938	1.575	1.666	2.345	2.954	1.575	1.666	Si
Pilastrata 25B	0.71	0.582	0.599	0.606	1.157	1.285	1.27	1.298	No
Pilastrata 25C	0.332	0.389	0.407	0.432	0.497	0.531	0.548	0.56	No
Pilastrata 25C	0.785	0.662	0.676	0.68	1.777	2.453	1.575	1.666	No
Pilastrata 25D	0.24	0.223	0.231	0.277	0.38	0.409	0.426	0.449	No
Pilastrata 26	0.526	0.57	0.587	0.595	0.768	0.78	0.789	0.788	No
Pilastrata 28	0.252	0.345	0.36	0.391	0.516	0.505	0.523	0.537	No
Pilastrata 29	1.193	1.12	1.115	1.12	1.536	1.578	1.542	1.626	Si
Pilastrata 29A	0.381	0.334	0.349	0.382	0.447	0.507	0.524	0.538	No
Pilastrata 29B	***0.566***	***0.649***	***0.664***	***0.669***	***0.246***	***0.235***	***0.251***	***0.295***	***No***
Pilastrata 32	0.48	0.46	0.477	0.495	0.745	0.695	0.708	0.711	No
Pilastrata 33	0.492	0.55	0.567	0.577	0.746	0.742	0.752	0.753	No
Pilastrata 35	0.247	0.333	0.349	0.382	0.497	0.491	0.509	0.524	No
Pilastrata 36	0.997	0.996	0.996	0.996	1.306	1.369	1.348	1.391	No
Pilastrata 36A	0.3	0.245	0.254	0.297	0.468	0.43	0.447	0.468	No
Pilastrata 36C	***0.123***	***0.165***	***0.168***	***0.216***	***0.247***	***0.255***	***0.265***	***0.307***	***No***
Pilastrata 37	0.486	0.514	0.53	0.544	0.722	0.734	0.745	0.747	No
Pilastrata 39	0.383	0.496	0.514	0.528	0.759	0.715	0.726	0.729	No
Pilastrata 40	0.475	0.277	0.291	0.331	0.825	0.742	0.752	0.753	No
Pilastrata 41	0.553	0.426	0.444	0.465	0.92	0.891	0.894	0.891	No
Pilastrata 42	0.211	0.208	0.215	0.261	0.37	0.376	0.393	0.42	No
Pilastrata 43	0.639	0.557	0.574	0.583	1.044	1.061	1.058	1.06	No
Pilastrata 44	0.656	0.58	0.597	0.605	1.084	1.117	1.112	1.117	No
Pilastrata 45	0.246	0.235	0.243	0.287	0.423	0.432	0.449	0.47	No
Pilastrata 46	0.63	0.535	0.553	0.564	1.066	1.102	1.098	1.101	No
Pilastrata 47	0.688	0.597	0.613	0.62	1.126	1.156	1.15	1.157	No
Pilastrata 49	0.505	0.422	0.44	0.462	1.051	1.047	1.045	1.047	No
Pilastrata 49A	0.284	0.23	0.239	0.284	0.437	0.392	0.409	0.434	No
Pilastrata 49B	0.264	0.315	0.33	0.365	0.484	0.465	0.482	0.5	No
Pilastrata 49C	0.266	0.329	0.344	0.375	0.474	0.507	0.524	0.538	No
Pilastrata 50	0.205	0.243	0.254	0.297	0.429	0.422	0.44	0.462	No
Pilastrata 52A	0.493	0.503	0.52	0.534	1.488	1.527	1.495	1.568	No
Pilastrata 53	0.363	0.385	0.402	0.428	0.557	0.551	0.568	0.578	No
Pilastrata 54	0.511	0.542	0.56	0.57	0.792	0.809	0.815	0.813	No
Pilastrata 54A	0.229	0	0	0	0.473	0.08	0.078	0.119	No
Pilastrata 55	0.216	0.261	0.271	0.313	0.449	0.435	0.451	0.472	No
Pilastrata 56	0.35	0.272	0.285	0.325	0.657	0.574	0.591	0.599	No
Pilastrata 57	0.358	0.117	0.113	0.159	0.668	0.498	0.515	0.529	No
Pilastrata 57A	0.224	0	0	0	0.461	0.1	0.097	0.141	No
Pilastrata 58	0.196	0.184	0.188	0.236	0.412	0.373	0.389	0.416	No
Pilastrata 59	0.351	0.272	0.285	0.325	0.643	0.561	0.578	0.587	No

Pilastro	Pressoflessione				Taglio				Verifica
	Coeff.s.	ζE	iPGA	iTR	Coeff.s.	ζE	iPGA	iTR	
Pilastrata 60	0.37	0.138	0.14	0.187	0.686	0.521	0.539	0.552	No
Pilastrata 60A	0.224	0.104	0.097	0.141	0.349	0.292	0.307	0.345	No
Pilastrata 60B	0.194	0.136	0.134	0.181	0.372	0.288	0.301	0.339	No
Pilastrata 60C	0.19	0.244	0.254	0.297	0.318	0.34	0.357	0.389	No
Pilastrata 61	0.186	0.199	0.202	0.249	0.39	0.355	0.372	0.402	No
Pilastrata 62	0.214	0.281	0.295	0.334	0.481	0.451	0.47	0.488	No
Pilastrata 62A	0.21	0.304	0.319	0.355	0.459	0.444	0.462	0.482	No
Pilastrata 62B	0.229	0.365	0.382	0.41	0.475	0.494	0.512	0.527	No
Pilastrata 63	0.225	0.24	0.25	0.294	0.415	0.429	0.445	0.467	No
Pilastrata 64	0.196	0.228	0.235	0.28	0.377	0.373	0.389	0.416	No
Pilastrata 65	0.331	0.164	0.168	0.216	0.582	0.467	0.484	0.501	No
Pilastrata 66	0.378	0.144	0.146	0.194	0.712	0.551	0.568	0.578	No
Pilastrata 67	0.214	0.224	0.231	0.277	0.397	0.416	0.434	0.456	No
Pilastrata 68	0.357	0.159	0.163	0.211	0.612	0.52	0.536	0.549	No
Pilastrata 69	0.384	0.089	0.088	0.119	0.752	0.559	0.575	0.584	No
Pilastrata 70	0.23	0.201	0.206	0.253	0.362	0.461	0.479	0.496	No
Pilastrata 71	0.309	0.413	0.43	0.453	0.424	0.494	0.512	0.527	No
Pilastrata 71A	0.23	0.228	0.235	0.28	0.421	0.43	0.447	0.468	No
Pilastrata 71B	0.242	0.335	0.352	0.384	0.575	0.536	0.554	0.565	No
Pilastrata 72	0.271	0.371	0.389	0.416	0.508	0.555	0.572	0.582	No
Pilastrata 73	0.321	0.245	0.254	0.297	0.564	0.485	0.502	0.518	No
Pilastrata 73A	0.419	0.459	0.477	0.495	0.558	0.595	0.611	0.618	No
Pilastrata 73B	0.449	0.399	0.417	0.442	0.686	0.727	0.738	0.739	No
Pilastrata 74	0.486	0.61	0.626	0.633	0.462	0.51	0.527	0.541	No
Pilastrata 75	1.587	1.389	1.367	1.414	2.75	4.616	1.575	1.666	Si
Pilastrata 76	0.409	0.413	0.43	0.453	0.683	0.668	0.682	0.686	No
Pilastrata 76A	2.919	2.151	1.575	1.666	5.314	4.78	1.575	1.666	Si
Pilastrata 76B	3.691	2.635	1.575	1.666	6.733	6.551	1.575	1.666	Si
Pilastrata 77	2.379	1.748	1.575	1.666	7.618	6.305	1.575	1.666	Si
Pilastrata (1886; 3756)	0.63	0.313	0.327	0.363	1.545	2.277	1.575	1.666	No
Pilastrata (2266; 3181)	0.312	0.29	0.304	0.342	0.483	0.473	0.491	0.507	No
Pilastrata (2266; 3521)	0.288	0.38	0.395	0.422	0.421	0.512	0.529	0.542	No
Pilastrata (2266; 3796)	0.264	0.125	0.12	0.167	0.485	0.438	0.455	0.475	No
Pilastrata (3876; 3793)	0.21	0.295	0.31	0.347	0.438	0.431	0.447	0.468	No
Pilastrata (3876; 3971)	0.212	0.305	0.319	0.355	0.449	0.44	0.459	0.479	No
Pilastrata 1	0.433	0.405	0.422	0.445	0.527	0.495	0.512	0.527	No
Pilastrata 2	0.476	0.547	0.564	0.574	0.642	0.621	0.636	0.642	No
Pilastrata 3	0.552	0.524	0.542	0.555	0.68	0.652	0.666	0.671	No
Pilastrata 4	0.693	0.743	0.753	0.754	1.091	1.082	1.079	1.082	No
Pilastrata 4a	0.772	0.779	0.788	0.787	1.771	1.969	1.575	1.666	No

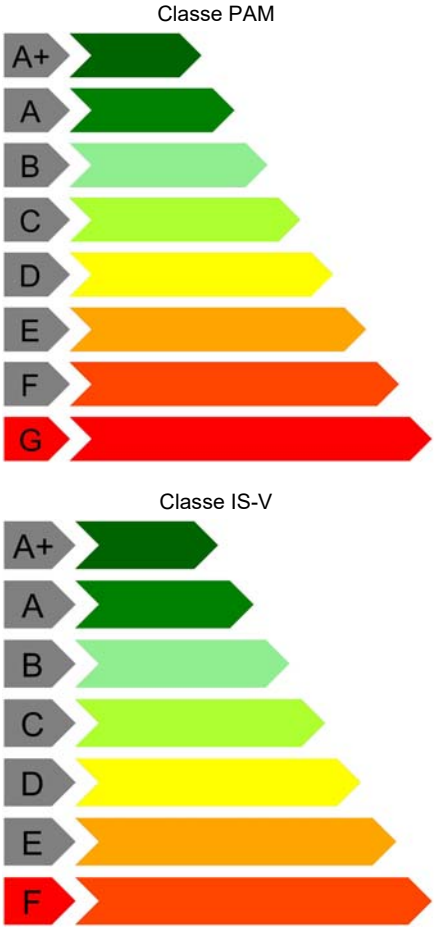
Verifica maschi in muratura

Maschio	Stato limite	ζE	Comb.	PGA	PGA/PGArif	TR	(TR/TRrif)^.41	Verifica
1	PFFP	0,437	SLV 5	0,166	0,456	116	0,475	No
3	PF	1.056	SLV 9	0,384	1,055	813	1,056	Si
3	PFFP	2.085	SLV 5	0,573	1,574	2474	1,666	Si
4	PFFP	0,381	SLV 5	0,145	0,398	88	0,424	No
5	PF	1.589	SLV 9	0,565	1,552	2370	1,637	Si
5	V	0,255	SLV 9	0,096	0,264	40	0,307	No
7	PF	1,57	SLV 5	0,558	1,533	2296	1,616	Si
7	V	0,586	SLV 9	0,219	0,602	213	0,610	No
8	PFFP	1.581	SLV 5	0,562	1,544	2341	1,629	Si
9	PF	0,677	SLV 13	0,251	0,690	292	0,694	No
9	PFFP	1,2	SLV 1	0,433	1,190	1122	1,205	Si
11	PFFP	1.304	SLV 1	0,469	1,288	1400	1,319	Si
12	V	0,588	SLV 15	0,22	0,604	215	0,612	No
12	PFFP	0,188	SLV 5	0,07	0,192	22	0,240	No
13	PF	1.065	SLV 7	0,387	1,063	830	1,065	Si
13	PFFP	0,961	SLV 11	0,35	0,962	647	0,962	No
14	PF	1.316	SLV 15	0,473	1,299	1434	1,333	Si
14	PFFP	2.628	SLV 11	0,573	1,574	2474	1,666	Si
15	PFFP	1.946	SLV 1	0,573	1,574	2474	1,666	Si
16	PF	1.526	SLV 11	0,544	1,495	2130	1,567	Si
16	V	0,331	SLV 5	0,126	0,346	67	0,379	No
16	PFFP	1.793	SLV 3	0,573	1,574	2474	1,666	Si
17	PF	0,959	SLV 7	0,349	0,959	642	0,958	No
17	V	0,794	SLV 13	0,292	0,802	413	0,800	No
17	PFFP	1.408	SLV 7	0,504	1,385	1717	1,435	Si
18	PF	0,422	SLV 9	0,16	0,440	108	0,462	No
18	PFFP	0,531	SLV 9	0,2	0,549	173	0,560	No
21	PF	1.364	SLV 11	0,489	1,343	1577	1,385	Si
21	V	0,159	SLV 11	0,057	0,157	15	0,205	No
21	PFFP	2.552	SLV 11	0,573	1,574	2474	1,666	Si
22	PF	1,11	SLV 15	0,402	1,104	918	1,110	Si
23	PF	0,474	SLV 15	0,179	0,492	136	0,507	No
23	PFFP	1.491	SLV 15	0,532	1,462	2000	1,527	Si
24	PF	0,502	SLV 9	0,189	0,519	154	0,534	No
24	V	0,227	SLV 7	0,086	0,236	32	0,280	No
24	PFFP	1,02	SLV 9	0,371	1,019	747	1,020	Si
25	PF	0,467	SLV 9	0,176	0,484	132	0,501	No
25	V	0,394	SLV 5	0,15	0,412	94	0,436	No
25	PFFP	1.192	SLV 9	0,431	1,184	1104	1,197	Si
26	PF	2.022	SLV 5	0,573	1,574	2474	1,666	Si
26	V	0,237	SLV 1	0,09	0,247	35	0,291	No
26	PFFP	2.042	SLV 9	0,573	1,574	2474	1,666	Si
27	PF	1.686	SLV 5	0,573	1,574	2474	1,666	Si
27	V	1,41	SLV 5	0,504	1,385	1722	1,436	Si
27	PFFP	1.696	SLV 5	0,573	1,574	2474	1,666	Si
28	PFFP	0,833	SLV 7	0,305	0,838	459	0,835	No
29	PF	0,164	SLV 7	0,061	0,168	17	0,216	No
29	V	0,588	SLV 9	0,22	0,604	215	0,612	No
29	PFFP	0,413	SLV 11	0,156	0,429	103	0,453	No
30	PFFP	2.558	SLV 1	0,573	1,574	2474	1,666	Si
31	PF	0,626	SLV 13	0,233	0,640	246	0,647	No
31	PFFP	1.052	SLV 5	0,382	1,049	806	1,052	Si
33	PF	0,165	SLV 15	0,061	0,168	17	0,216	No
33	V	0,29	SLV 5	0,111	0,305	52	0,342	No
33	PFFP	0,408	SLV 13	0,155	0,426	101	0,449	No
34	PF	0,504	SLV 9	0,19	0,522	155	0,535	No

Maschio	Stato limite	ζE	Comb.	PGA	PGA/PGArif	TR	(TR/TRrif)^.41	Verifica
34	V	0,237	SLV 15	0,09	0,247	35	0,291	No
34	PFFP	0,724	SLV 9	0,267	0,734	338	0,737	No
35	PF	0,308	SLV 9	0,117	0,321	58	0,358	No
35	V	0,275	SLV 7	0,105	0,288	47	0,328	No
35	PFFP	0,902	SLV 13	0,33	0,907	555	0,903	No
36	PF	1.736	SLV 7	0,573	1,574	2474	1,666	Si
36	V	0,561	SLV 15	0,21	0,577	194	0,587	No
37	PF	0,935	SLV 15	0,341	0,937	605	0,935	No
37	V	0,256	SLV 13	0,098	0,269	41	0,310	No
37	PFFP	2.678	SLV 11	0,573	1,574	2474	1,666	Si
38	PF	0,867	SLV 9	0,317	0,871	504	0,868	No
38	V	0,201	SLV 9	0,075	0,206	25	0,253	No
39	PFFP	0,211	SLV 1	0,08	0,220	28	0,265	No
40	PF	0,316	SLV 1	0,12	0,330	61	0,365	No
40	***V***	***0,044***	***SLV 15***	***0,014***	***0,038***	***1***	***0,068***	***No***
40	PFFP	1.058	SLV 15	0,384	1,055	817	1,058	Si
41	***PFFP***	***0,085***	***SLV 7***	***0,029***	***0,080***	***4***	***0,119***	***No***
42	PF	0,108	SLV 7	0,038	0,104	7	0,150	No
42	PFFP	0,444	SLV 7	0,168	0,462	119	0,480	No
43	***PF***	***0,042***	***SLV 11***	***0,014***	***0,038***	***1***	***0,068***	***No***
43	PFFP	1.914	SLV 5	0,573	1,574	2474	1,666	Si
44	PFFP	0,376	SLV 11	0,143	0,393	86	0,420	No
45	***PF***	***0,052***	***SLV 5***	***0,014***	***0,038***	***1***	***0,068***	***No***
45	PFFP	0,419	SLV 7	0,159	0,437	106	0,458	No
46	PFFP	1.304	SLV 1	0,469	1,288	1400	1,319	Si
47	PF	0,065	SLV 11	0,02	0,055	2	0,090	No
47	PFFP	1.365	SLV 7	0,489	1,343	1581	1,387	Si
48	***PF***	***0,052***	***SLV 5***	***0,014***	***0,038***	***1***	***0,068***	***No***
48	PFFP	1.444	SLV 7	0,516	1,418	1836	1,475	Si
49	PFFP	1.471	SLV 7	0,525	1,442	1928	1,504	Si
50	PF	0,087	SLV 11	0,029	0,080	4	0,119	No
50	PFFP	1.711	SLV 3	0,573	1,574	2474	1,666	Si
51	PF	0,075	SLV 11	0,025	0,069	3	0,106	No
51	PFFP	0,393	SLV 5	0,149	0,409	93	0,434	No
52	PFFP	1.014	SLV 11	0,369	1,014	736	1,014	Si
53	PFFP	0,816	SLV 1	0,299	0,821	439	0,820	No
54	PFFP	1.306	SLV 15	0,469	1,288	1405	1,321	Si
55	PFFP	0,522	SLV 15	0,196	0,538	167	0,552	No
56	PFFP	0,901	SLV 7	0,329	0,904	553	0,902	No
57	***PF***	***0,056***	***SLV 13***	***0,014***	***0,038***	***1***	***0,068***	***No***
57	PFFP	0,816	SLV 3	0,299	0,821	439	0,820	No
58	PFFP	0,991	SLV 7	0,361	0,992	697	0,991	No
59	PF	0,082	SLV 13	0,029	0,080	4	0,119	No
59	PFFP	0,741	SLV 7	0,273	0,750	356	0,753	No
60	PF	0,064	SLV 3	0,02	0,055	2	0,090	No
60	PFFP	0,513	SLV 7	0,193	0,530	161	0,544	No
61	PF	0,139	SLV 1	0,051	0,140	12	0,187	No
61	V	0,095	SLV 1	0,032	0,088	4	0,119	No
61	PFFP	0,581	SLV 1	0,217	0,596	209	0,605	No
62	PFFP	0,983	SLV 1	0,358	0,984	682	0,983	No
63	PF	0,564	SLV 11	0,211	0,580	196	0,589	No
63	PFFP	1.518	SLV 3	0,541	1,486	2097	1,557	Si
64	PFFP	0,608	SLV 11	0,227	0,624	231	0,630	No
65	PFFP	1.566	SLV 11	0,557	1,530	2283	1,612	Si
66	PFFP	1.196	SLV 11	0,432	1,187	1114	1,201	Si
67	PFFP	0,371	SLV 1	0,141	0,387	84	0,416	No
68	PFFP	0,601	SLV 13	0,224	0,615	225	0,624	No
69	PF	0,889	SLV 9	0,325	0,893	535	0,889	No
69	V	0,066	SLV 9	0,02	0,055	2	0,090	No
69	PFFP	2.352	SLV 3	0,573	1,574	2474	1,666	Si
70	PFFP	0,353	SLV 13	0,135	0,371	76	0,400	No
71	PFFP	0,656	SLV 15	0,244	0,670	272	0,674	No
72	PFFP	0,343	SLV 13	0,131	0,360	72	0,391	No
73	PFFP	0,463	SLV 5	0,175	0,481	130	0,498	No
74	PFFP	0,408	SLV 11	0,155	0,426	101	0,449	No
75	PFFP	0,089	SLV 11	0,032	0,088	4	0,119	No
76	PF	0,137	SLV 5	0,049	0,135	11	0,181	No
76	PFFP	1.083	SLV 7	0,393	1,080	863	1,082	Si
77	PFFP	0,387	SLV 7	0,147	0,404	91	0,430	No
78	PFFP	0,424	SLV 7	0,161	0,442	109	0,463	No
79	***PF***	***0,046***	***SLV 5***	***0,014***	***0,038***	***1***	***0,068***	***No***
79	PFFP	0,993	SLV 11	0,361	0,992	700	0,993	No
80	PFFP	0,551	SLV 7	0,207	0,569	187	0,578	No
81	PFFP	0,701	SLV 1	0,259	0,712	315	0,716	No
82	PF	0,125	SLV 5	0,044	0,121	9	0,167	No
82	V	0,068	SLV 5	0,02	0,055	2	0,090	No
82	PFFP	0,691	SLV 5	0,256	0,703	305	0,706	No
83	PFFP	0,509	SLV 5	0,191	0,525	158	0,539	No
84	PFFP	0,777	SLV 15	0,286	0,786	394	0,785	No
85	PFFP	0,796	SLV 1	0,292	0,802	415	0,801	No
86	PFFP	0,798	SLV 11	0,293	0,805	418	0,804	No
87	PFFP	0,635	SLV 3	0,236	0,648	254	0,655	No
88	PFFP	0,383	SLV 3	0,146	0,401	89	0,426	No
89	PFFP	0,416	SLV 7	0,158	0,434	105	0,456	No
90	PF	0,097	SLV 13	0,035	0,096	6	0,141	No
90	***V***	***0,051***	***SLV 13***	***0,014***	***0,038***	***1***	***0,068***	***No***
90	PFFP	0,611	SLV 7	0,228	0,626	233	0,633	No
91	PFFP	0,303	SLV 11	0,116	0,319	57	0,355	No
92	PFFP	0,625	SLV 1	0,233	0,640	245	0,646	No
93	PFFP	0,506	SLV 1	0,191	0,525	157	0,538	No
94	PFFP	0,286	SLV 15	0,109	0,299	51	0,339	No
95	PFFP	0,29	SLV 1	0,111	0,305	52	0,342	No

Coefficienti relativi alle Linee guida per la classificazione del rischio sismico delle costruzioni secondo il D.M. 28/02/2017

TR,C	TR,Rif	PAM	Classe PAM	IS-V	Classe IS-V	Tipo rottura
10	712	G	G	F	F	Rottura a pressoflessione pannello di maschio



Verifiche maschi in muratura

***X ini.**: coordinate del punto iniziale del maschio [cm]*
***Y ini.**: coordinate del punto iniziale del maschio [cm]*
***X fin.**: coordinate del punto finale del maschio [cm]*
***Y fin.**: coordinate del punto finale del maschio [cm]*
***Quota i.**: livello o falda inferiore*
***Quota.s**: livello o falda superiore*
***l**: lunghezza del maschio [cm]*
***Sp.**: spessore [cm]*
***h netta**: altezza netta (a filo solai) [cm]*
***h ini.**: altezza nel modello al punto iniziale [cm]*
***h fin.**: altezza nel modello al punto finale [cm]*
***a**: distanza tra irrigidimenti laterali [cm]*
***a.s.,sx**: lunghezza di appoggio del solaio di sinistra [cm]*
***a.s.,dx**: lunghezza di appoggio del solaio di destra [cm]*
***fk o fmedio**: resistenza a compressione della muratura utilizzata [daN/cm²]*
***fvk0 o τ**: resistenza a taglio della muratura utilizzata [daN/cm²]*
***E**: modulo di elasticità longitudinale della muratura utilizzato [daN/cm²]*
***G**: modulo di elasticità tangenziale della muratura utilizzato [daN/cm²]*
***FC**: fattore di confidenza della muratura*
***Comb.**: combinazione*
***Quota**: quota della sezione di verifica [cm]*
***N**: sforzo normale alla quota [daN]*
***M**: momento flettente nel piano [daN*cm]*
***p**: fattore laterale di vincolo (4.5.6)*
***es1**: eccentricità dovuta alla posizione eccentrica dei maschi sovrastanti la sezione di verifica [cm]*
***es2**: eccentricità dovuta alla risultante eccentrica delle reazioni di appoggio dei solai soprastanti [cm]*
***ea**: eccentricità dovuta a tolleranze di esecuzione [cm]*

***ev**: eccentricità dovuta ad azioni ortogonali (vento, sisma) [cm]*
***e ver**: eccentricità di verifica nel piano normale al piano medio del maschio [cm]*
***Φt**: coefficiente di riduzione della resistenza per eccentricità nel piano normale al mediano*
***Φl**: coefficiente di riduzione della resistenza per eccentricità nel piano mediano*
***Nu**: sforzo normale ultimo [daN]*
***Verifica**: stato di verifica*
***Quota**: quota della sezione di verifica [cm]*
***N**: sforzo normale [daN]*
***σ0**: tensione media di compressione [daN/cm²]*
***Mu**: momento flettente ultimo [daN*cm]*
***c.s.**: coefficiente di sicurezza*
***V par**: taglio nel piano [daN]*
***σN**: tensione media di compressione sulla parte reagente [daN/cm²]*
***l'**: lunghezza della parte compressa della parete [cm]*
***fvd**: resistenza a taglio di calcolo [daN/cm²]*
***Vt scorr.**: taglio ultimo per verifica a scorrimento [daN]*
***Vt fess.diag.**: taglio ultimo per verifica a fessurazione diagonale [daN]*
***c.s.**: coefficiente di sicurezza a taglio*
***fd**: resistenza a compressione di calcolo [daN/cm²]*
***Sa**: accelerazione massima, adimensionalizzata rispetto a g, che l'elemento strutturale subisce durante il sisma*
***x**: ampiezza reagente al collasso [cm]*
***M**: momento flettente fuori piano [daN*cm]*
***Mc**: momento di collasso per azioni perpendicolari al piano [daN*cm]*
***Coeff.s.**: coefficiente di sicurezza*
***Stato limite**: pF_SLU=Presso flessione per azioni non sismiche; V_SLU=Taglio per azioni non sismiche; PF_SLV=Presso flessione per azioni sismiche; V_SLV=Taglio per azioni sismiche; PFFP_SLV=Presso flessione fuori piano per azioni sismiche; R_SLV=Ribaltamento per azioni sismiche*

Le unità di misura delle verifiche elencate nel capitolo sono in [cm, daN] ove non espressamente specificato.

Maschio 1

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2243.7	1246	2243.7	843.5	L1	L3	402.5	45	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-21850	0	1	0	0	2.33	0	2.33	0.69	1	31053	Si
SLU 30	-273.5	-49390	0	1	0	0	2.33	0	2.33	0.69	1	31053	No
SLU 30	-525	-69964	0	1	0	0	2.33	0	2.33	0.69	1	31053	No
SLU 29	-22	-21698	0	1	0	0	2.33	0	2.33	0.69	1	31053	Si
SLU 29	-273.5	-49234	0	1	0	0	2.33	0	2.33	0.69	1	31053	No
SLU 29	-525	-69833	0	1	0	0	2.33	0	2.33	0.69	1	31053	No
SLU 36	-22	-21586	0	1	0	0	2.33	0	2.33	0.69	1	31053	Si
SLU 36	-273.5	-48801	0	1	0	0	2.33	0	2.33	0.69	1	31053	No
SLU 36	-525	-69122	0	1	0	0	2.33	0	2.33	0.69	1	31053	No
SLU 34	-22	-21435	0	1	0	0	2.33	0	2.33	0.69	1	31053	Si
SLU 34	-273.5	-48645	0	1	0	0	2.33	0	2.33	0.69	1	31053	No
SLU 34	-525	-68991	0	1	0	0	2.33	0	2.33	0.69	1	31053	No
SLU 32	-22	-21198	0	1	0	0	2.33	0	2.33	0.69	1	31053	Si
SLU 32	-273.5	-48329	0	1	0	0	2.33	0	2.33	0.69	1	31053	No
SLU 32	-525	-68637	0	1	0	0	2.33	0	2.33	0.69	1	31053	No
SLU 21	-22	-20513	0	1	0	0	2.33	0	2.33	0.69	1	31053	Si
SLU 21	-273.5	-47793	0	1	0	0	2.33	0	2.33	0.69	1	31053	No
SLU 21	-525	-68324	0	1	0	0	2.33	0	2.33	0.69	1	31053	No
SLU 20	-22	-20362	0	1	0	0	2.33	0	2.33	0.69	1	31053	Si
SLU 20	-273.5	-47637	0	1	0	0	2.33	0	2.33	0.69	1	31053	No
SLU 20	-525	-68193	0	1	0	0	2.33	0	2.33	0.69	1	31053	No
SLU 27	-22	-20250	0	1	0	0	2.33	0	2.33	0.69	1	31053	Si
SLU 27	-273.5	-47204	0	1	0	0	2.33	0	2.33	0.69	1	31053	No
SLU 27	-525	-67481	0	1	0	0	2.33	0	2.33	0.69	1	31053	No
SLU 25	-22	-20098	0	1	0	0	2.33	0	2.33	0.69	1	31053	Si
SLU 25	-273.5	-47048	0	1	0	0	2.33	0	2.33	0.69	1	31053	No
SLU 25	-525	-67350	0	1	0	0	2.33	0	2.33	0.69	1	31053	No
SLU 23	-22	-19861	0	1	0	0	2.33	0	2.33	0.69	1	31053	Si
SLU 23	-273.5	-46732	0	1	0	0	2.33	0	2.33	0.69	1	31053	No
SLU 23	-525	-66997	0	1	0	0	2.33	0	2.33	0.69	1	31053	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 10	-470	-61812	-1623391	3.41	0	0	No
SLV 10	-220	-44982	-1094055	2.48	483031	0.442	No
SLV 4	-470	-68205	-3578570	3.77	0	0	No
SLV 4	-220	-39960	-1177639	2.21	1279069	1.086	Si
SLV 9	-470	-61812	-1623391	3.41	0	0	No
SLV 9	-220	-44982	-1094055	2.48	483031	0.442	No
SLV 5	-470	-75148	-2584400	4.15	0	0	No
SLV 5	-220	-52598	-978238	2.9	0	0	No
SLV 1	-470	-78590	-3637188	4.34	0	0	No
SLV 1	-220	-49893	-1023245	2.75	0	0	No
SLV 2	-470	-78590	-3637188	4.34	0	0	No
SLV 2	-220	-49893	-1023245	2.75	0	0	No
SLV 6	-470	-75148	-2584400	4.15	0	0	No
SLV 6	-220	-52598	-978238	2.9	0	0	No

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 8	-470	-40531	-2389004	2.24	1199263	0.502	No
SLV 8	-220	-19485	-1492886	1.08	2313372	1.55	Si
SLV 3	-470	-68205	-3578570	3.77	0	0	No
SLV 3	-220	-39960	-1177639	2.21	1279069	1.086	Si
SLV 7	-470	-40531	-2389004	2.24	1199263	0.502	No
SLV 7	-220	-19485	-1492886	1.08	2313372	1.55	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 25	-470	-66870	-15337	-2632338	3.69	3.69	402.5	0.54	9810		0.64	No
SLU 25	-220	-42097	-15340	-1685874	2.32	2.32	402.5	0.36	6507		0.42	No
SLU 20	-470	-67710	-15660	-2655526	3.74	3.74	402.5	0.55	9922		0.63	No
SLU 20	-220	-42641	-15662	-1691174	2.35	2.35	402.5	0.36	6580		0.42	No
SLU 21	-470	-67842	-15588	-2657245	3.75	3.75	402.5	0.55	9940		0.64	No
SLU 21	-220	-42802	-15591	-1703587	2.36	2.36	402.5	0.36	6601		0.42	No
SLU 24	-470	-63452	-14877	-2545886	3.5	3.5	402.5	0.52	9355		0.63	No
SLU 24	-220	-39355	-14880	-1578439	2.17	2.17	402.5	0.34	6142		0.41	No
SLU 22	-470	-63091	-14859	-2535462	3.48	3.48	402.5	0.51	9307		0.63	No
SLU 22	-220	-39046	-14862	-1562522	2.16	2.16	402.5	0.34	6101		0.41	No
SLU 26	-470	-63583	-14805	-2547606	3.51	3.51	402.5	0.52	9372		0.63	No
SLU 26	-220	-39516	-14808	-1590853	2.18	2.18	402.5	0.34	6163		0.42	No
SLU 23	-470	-66509	-15319	-2621914	3.67	3.67	402.5	0.54	9762		0.64	No
SLU 23	-220	-41788	-15322	-1669957	2.31	2.31	402.5	0.36	6466		0.42	No
SLU 28	-470	-64447	-14694	-2548560	3.56	3.56	402.5	0.52	9487		0.65	No
SLU 28	-220	-40324	-14696	-1627305	2.23	2.23	402.5	0.35	6271		0.43	No
SLU 27	-470	-67001	-15266	-2634058	3.7	3.7	402.5	0.54	9828		0.64	No
SLU 27	-220	-42258	-15268	-1698288	2.33	2.33	402.5	0.36	6529		0.43	No
SLU 19	-470	-62827	-15002	-2532022	3.47	3.47	402.5	0.51	9271		0.62	No
SLU 19	-220	-38724	-15005	-1537695	2.14	2.14	402.5	0.33	6058		0.4	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 11	-470	-27196	-3036	-1427995	1.5	1.5	402.5	0.31	5651		1.86	Si
SLV 11	-220	-11870	-4995	-1608702	0.66	1.34	197.15	0.28	2526		0.51	No
SLV 7	-470	-40531	-12608	-2389004	2.24	2.24	402.5	0.43	7873		0.62	No
SLV 7	-220	-19485	-14575	-1492886	1.08	1.16	373.9	0.25	4286		0.29	No
SLV 6	-470	-75148	-20232	-2584400	4.15	4.15	402.5	0.75	13643		0.67	No
SLV 6	-220	-52598	-18276	-978238	2.9	2.9	402.5	0.55	9884		0.54	No
SLV 8	-470	-40531	-12608	-2389004	2.24	2.24	402.5	0.43	7873		0.62	No
SLV 8	-220	-19485	-14575	-1492886	1.08	1.16	373.9	0.25	4286		0.29	No
SLV 12	-470	-27196	-3036	-1427995	1.5	1.5	402.5	0.31	5651		1.86	Si
SLV 12	-220	-11870	-4995	-1608702	0.66	1.34	197.15	0.28	2526		0.51	No
SLV 4	-470	-68205	-26445	-3578570	3.77	3.77	402.5	0.69	12486		0.47	No
SLV 4	-220	-39960	-27047	-1177639	2.21	2.21	402.5	0.43	7778		0.29	No
SLV 5	-470	-75148	-20232	-2584400	4.15	4.15	402.5	0.75	13643		0.67	No
SLV 5	-220	-52598	-18276	-978238	2.9	2.9	402.5	0.55	9884		0.54	No
SLV 1	-470	-78590	-28732	-3637188	4.34	4.34	402.5	0.78	14216		0.49	No
SLV 1	-220	-49893	-28157	-1023245	2.75	2.75	402.5	0.52	9434		0.34	No
SLV 3	-470	-68205	-26445	-3578570	3.77	3.77	402.5	0.69	12486		0.47	No
SLV 3	-220	-39960	-27047	-1177639	2.21	2.21	402.5	0.43	7778		0.29	No
SLV 2	-470	-78590	-28732	-3637188	4.34	4.34	402.5	0.78	14216		0.49	No
SLV 2	-220	-49893	-28157	-1023245	2.75	2.75	402.5	0.52	9434		0.34	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.09 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 10	3	0.36	0	-48222	113308	0	0	No
SLV 1	3	0.36	0	-55613	113308	0	0	No
SLV 2	3	0.36	0	-55613	113308	0	0	No
SLV 5	3	0.36	0	-56990	113308	0	0	No
SLV 9	3	0.36	0	-48222	113308	0	0	No
SLV 6	3	0.36	0	-56990	113308	0	0	No
SLV 4	3	0.36	43.24	-45663	113308	40093	0.35	No
SLV 3	3	0.36	43.24	-45663	113308	40093	0.35	No
SLV 12	3	0.36	14.26	-15056	113308	231427	2.04	Si

Maschio 2

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2243.7	1464.7	2243.7	1426	L1	L3	38.7	45	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-2820	0	1	0	0	2.33	0	2.33	0.69	1	2985	Si
SLU 30	-273.5	-8007	0	1	0	0	2.33	0	2.33	0.69	1	2985	No
SLU 30	-525	-9140	0	1	0	0	2.33	0	2.33	0.69	1	2985	No
SLU 29	-22	-2796	0	1	0	0	2.33	0	2.33	0.69	1	2985	Si
SLU 29	-273.5	-7988	0	1	0	0	2.33	0	2.33	0.69	1	2985	No
SLU 29	-525	-9120	0	1	0	0	2.33	0	2.33	0.69	1	2985	No
SLU 36	-22	-2804	0	1	0	0	2.33	0	2.33	0.69	1	2985	Si
SLU 36	-273.5	-7906	0	1	0	0	2.33	0	2.33	0.69	1	2985	No
SLU 36	-525	-9011	0	1	0	0	2.33	0	2.33	0.69	1	2985	No
SLU 34	-22	-2780	0	1	0	0	2.33	0	2.33	0.69	1	2985	Si
SLU 34	-273.5	-7887	0	1	0	0	2.33	0	2.33	0.69	1	2985	No
SLU 34	-525	-8991	0	1	0	0	2.33	0	2.33	0.69	1	2985	No

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 32	-22	-2731	0	1	0	0	2.33	0	2.33	0.69	1	2985	Si
SLU 32	-273.5	-7842	0	1	0	0	2.33	0	2.33	0.69	1	2985	No
SLU 32	-525	-8939	0	1	0	0	2.33	0	2.33	0.69	1	2985	No
SLU 21	-22	-2630	0	1	0	0	2.33	0	2.33	0.69	1	2985	Si
SLU 21	-273.5	-7787	0	1	0	0	2.33	0	2.33	0.69	1	2985	No
SLU 21	-525	-8837	0	1	0	0	2.33	0	2.33	0.69	1	2985	No
SLU 20	-22	-2606	0	1	0	0	2.33	0	2.33	0.69	1	2985	Si
SLU 20	-273.5	-7768	0	1	0	0	2.33	0	2.33	0.69	1	2985	No
SLU 20	-525	-8817	0	1	0	0	2.33	0	2.33	0.69	1	2985	No
SLU 27	-22	-2614	0	1	0	0	2.33	0	2.33	0.69	1	2985	Si
SLU 27	-273.5	-7686	0	1	0	0	2.33	0	2.33	0.69	1	2985	No
SLU 27	-525	-8708	0	1	0	0	2.33	0	2.33	0.69	1	2985	No
SLU 25	-22	-2590	0	1	0	0	2.33	0	2.33	0.69	1	2985	Si
SLU 25	-273.5	-7667	0	1	0	0	2.33	0	2.33	0.69	1	2985	No
SLU 25	-525	-8689	0	1	0	0	2.33	0	2.33	0.69	1	2985	No
SLU 23	-22	-2541	0	1	0	0	2.33	0	2.33	0.69	1	2985	Si
SLU 23	-273.5	-7622	0	1	0	0	2.33	0	2.33	0.69	1	2985	No
SLU 23	-525	-8637	0	1	0	0	2.33	0	2.33	0.69	1	2985	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 24	-470	-8708	1	13601	5	5	38.69	0.72	1247		1158.7	Si
SLU 24	-220	-6868	-3	28550	3.95	3.95	38.69	0.58	1002		336.34	Si
SLU 4	-470	-6738	1	10225	3.87	3.87	38.69	0.57	984		1140.04	Si
SLU 4	-220	-5315	-2	21873	3.05	3.05	38.69	0.46	795		353.33	Si
SLU 23	-470	-9145	1	13045	5.25	5.25	38.69	0.75	1305		1061.34	Si
SLU 23	-220	-7244	-3	29130	4.16	4.16	38.69	0.6	1052		358.78	Si
SLU 22	-470	-8657	1	13624	4.97	4.97	38.69	0.71	1240		1168.56	Si
SLU 22	-220	-6823	-3	28459	3.92	3.92	38.69	0.57	996		334.54	Si
SLU 6	-470	-6789	1	10202	3.9	3.9	38.69	0.57	991		1128.45	Si
SLU 6	-220	-5359	-2	21964	3.08	3.08	38.69	0.46	801		355.71	Si
SLU 26	-470	-8729	1	13575	5.01	5.01	38.69	0.72	1250		1148.38	Si
SLU 26	-220	-6887	-3	28552	3.96	3.96	38.69	0.58	1004		337.67	Si
SLU 28	-470	-8878	1	12756	5.1	5.1	38.69	0.73	1270		1063.08	Si
SLU 28	-220	-7001	-3	28381	4.02	4.02	38.69	0.59	1019		359.31	Si
SLU 8	-470	-6810	1	10176	3.91	3.91	38.69	0.57	994		1116.24	Si
SLU 8	-220	-5378	-2	21965	3.09	3.09	38.69	0.46	803		357.5	Si
SLU 1	-470	-6697	1	10278	3.85	3.85	38.69	0.56	979		1166.29	Si
SLU 1	-220	-5276	-2	21870	3.03	3.03	38.69	0.45	789		349.77	Si
SLU 19	-470	-8615	1	13677	4.95	4.95	38.69	0.71	1235		1190.46	Si
SLU 19	-220	-6785	-3	28456	3.9	3.9	38.69	0.57	991		331.9	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.09 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 6	3	0.36	0	-7085	10890	0	0	No
SLV 10	3	0.36	0	-5928	10890	0	0	No
SLV 3	3	0.36	0	-7607	10890	0	0	No
SLV 8	3	0.36	0	-5811	10890	0	0	No
SLV 2	3	0.36	0	-7989	10890	0	0	No
SLV 9	3	0.36	0	-5928	10890	0	0	No
SLV 4	3	0.36	0	-7607	10890	0	0	No
SLV 5	3	0.36	0	-7085	10890	0	0	No
SLV 7	3	0.36	0	-5811	10890	0	0	No
SLV 1	3	0.36	0	-7989	10890	0	0	No

Maschio 3

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2251.2	3201	2251.2	3671	L1	L3	470	60	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-6210	0	1	0	-0.04	2.33	0	2.37	0.79	1	54917	Si
SLU 30	-273.5	-27341	0	1	0	-0.04	2.33	0	2.33	0.79	1	55046	Si
SLU 30	-525	-49239	0	1	0	-0.04	2.33	0	2.37	0.79	1	54917	Si
SLU 29	-22	-6103	0	1	0	-0.04	2.33	0	2.37	0.79	1	54915	Si
SLU 29	-273.5	-27234	0	1	0	-0.04	2.33	0	2.33	0.79	1	55046	Si
SLU 29	-525	-49115	0	1	0	-0.04	2.33	0	2.37	0.79	1	54915	Si
SLU 36	-22	-5889	0	1	0	-0.03	2.33	0	2.36	0.79	1	54926	Si
SLU 36	-273.5	-26954	0	1	0	-0.03	2.33	0	2.33	0.79	1	55046	Si
SLU 36	-525	-48811	0	1	0	-0.03	2.33	0	2.36	0.79	1	54926	Si
SLU 34	-22	-5783	0	1	0	-0.03	2.33	0	2.36	0.79	1	54924	Si
SLU 34	-273.5	-26847	0	1	0	-0.03	2.33	0	2.33	0.79	1	55046	Si
SLU 34	-525	-48686	0	1	0	-0.03	2.33	0	2.36	0.79	1	54924	Si
SLU 32	-22	-5613	0	1	0	-0.04	2.33	0	2.37	0.79	1	54920	Si
SLU 32	-273.5	-26665	0	1	0	-0.04	2.33	0	2.33	0.79	1	55046	Si
SLU 32	-525	-48472	0	1	0	-0.04	2.33	0	2.37	0.79	1	54920	Si
SLU 21	-22	-5200	0	1	0	-0.04	2.33	0	2.37	0.79	1	54915	Si
SLU 21	-273.5	-26225	0	1	0	-0.04	2.33	0	2.33	0.79	1	55046	Si
SLU 21	-525	-47886	0	1	0	-0.04	2.33	0	2.37	0.79	1	54915	Si
SLU 20	-22	-5094	0	1	0	-0.04	2.33	0	2.37	0.79	1	54912	Si
SLU 20	-273.5	-26118	0	1	0	-0.04	2.33	0	2.33	0.79	1	55046	Si
SLU 20	-525	-47762	0	1	0	-0.04	2.33	0	2.37	0.79	1	54912	Si
SLU 27	-22	-4880	0	1	0	-0.03	2.33	0	2.36	0.79	1	54925	Si
SLU 27	-273.5	-25838	0	1	0	-0.03	2.33	0	2.33	0.79	1	55046	Si
SLU 27	-525	-47458	0	1	0	-0.03	2.33	0	2.36	0.79	1	54925	Si

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 25	-22	-4773	0	1	0	-0.03	2.33	0	2.36	0.79	1	54922	Si
SLU 25	-273.5	-25730	0	1	0	-0.03	2.33	0	2.33	0.79	1	55046	Si
SLU 25	-525	-47333	0	1	0	-0.03	2.33	0	2.36	0.79	1	54922	Si
SLU 23	-22	-4604	0	1	0	-0.04	2.33	0	2.37	0.79	1	54918	Si
SLU 23	-273.5	-25549	0	1	0	-0.04	2.33	0	2.33	0.79	1	55046	Si
SLU 23	-525	-47119	0	1	0	-0.04	2.33	0	2.37	0.79	1	54918	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 7	-470	-45616	1719162	1.62	4110095	2.391	Si
SLV 7	-170	-10857	-1687345	0.39	2177037	1.29	Si
SLV 4	-470	-40225	171437	1.43	4313190	25.159	Si
SLV 4	-170	-10238	-1735682	0.36	2073035	1.194	Si
SLV 10	-470	-21509	-3372537	0.76	3585102	1.063	Si
SLV 10	-170	-16652	-1414738	0.59	3032436	2.143	Si
SLV 3	-470	-40225	171437	1.43	4313190	25.159	Si
SLV 3	-170	-10238	-1735682	0.36	2073035	1.194	Si
SLV 6	-470	-23518	-3218007	0.83	3769816	1.171	Si
SLV 6	-170	-14907	-1509517	0.53	2797231	1.853	Si
SLV 8	-470	-45616	1719162	1.62	4110095	2.391	Si
SLV 8	-170	-10857	-1687345	0.39	2177037	1.29	Si
SLV 2	-470	-33595	-1309714	1.19	4309790	3.291	Si
SLV 2	-170	-11453	-1682333	0.41	2274809	1.352	Si
SLV 9	-470	-21509	-3372537	0.76	3585102	1.063	Si
SLV 9	-170	-16652	-1414738	0.59	3032436	2.143	Si
SLV 5	-470	-23518	-3218007	0.83	3769816	1.171	Si
SLV 5	-170	-14907	-1509517	0.53	2797231	1.853	Si
SLV 1	-470	-33595	-1309714	1.19	4309790	3.291	Si
SLV 1	-170	-11453	-1682333	0.41	2274809	1.352	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 30	-470	-45668	8092	-1120487	1.62	1.62	470	0.27	7482		0.92	No
SLU 30	-170	-19451	7933	-2218585	0.69	0.89	362.82	0.17	3668		0.46	No
SLU 16	-470	-36026	6746	-873955	1.28	1.28	470	0.22	6196		0.92	No
SLU 16	-170	-15591	6619	-1812723	0.55	0.73	356.2	0.15	3134		0.47	No
SLU 36	-470	-45245	7983	-1103851	1.6	1.6	470	0.26	7425		0.93	No
SLU 36	-170	-19085	7838	-2184893	0.68	0.88	361.55	0.17	3616		0.46	No
SLU 11	-470	-36450	6855	-890591	1.29	1.29	470	0.22	6253		0.91	No
SLU 11	-170	-15957	6714	-1846415	0.57	0.74	357.86	0.15	3188		0.47	No
SLU 12	-470	-36586	6925	-892538	1.3	1.3	470	0.22	6271		0.91	No
SLU 12	-170	-16057	6783	-1860876	0.57	0.75	357.33	0.15	3200		0.47	No
SLU 34	-470	-45108	7914	-1101904	1.6	1.6	470	0.26	7407		0.94	No
SLU 34	-170	-18985	7769	-2170431	0.67	0.87	362.02	0.17	3604		0.46	No
SLU 14	-470	-35792	6622	-871628	1.27	1.27	470	0.22	6165		0.93	No
SLU 14	-170	-15422	6495	-1788312	0.55	0.72	357.13	0.15	3115		0.48	No
SLU 29	-470	-45531	8023	-1118541	1.61	1.61	470	0.26	7463		0.93	No
SLU 29	-170	-19350	7863	-2204124	0.69	0.89	363.28	0.17	3656		0.46	No
SLU 18	-470	-36163	6816	-875901	1.28	1.28	470	0.22	6214		0.91	No
SLU 18	-170	-15692	6688	-1827184	0.56	0.74	355.67	0.15	3146		0.47	No
SLU 32	-470	-44873	7790	-1099577	1.59	1.59	470	0.26	7376		0.95	No
SLU 32	-170	-18816	7645	-2146020	0.67	0.86	362.84	0.16	3584		0.47	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 9	-470	-21509	-14930	-3372537	0.76	1.53	234.62	0.32	4454		0.3	No
SLV 9	-170	-16652	-15423	-1414738	0.59	0.62	450.12	0.16	4442		0.29	No
SLV 10	-470	-21509	-14930	-3372537	0.76	1.53	234.62	0.32	4454		0.3	No
SLV 10	-170	-16652	-15423	-1414738	0.59	0.62	450.12	0.16	4442		0.29	No
SLV 8	-470	-45616	26004	1719162	1.62	1.62	470	0.33	9343		0.36	No
SLV 8	-170	-10857	26293	-1687345	0.39	0.76	238.77	0.19	2694		0.1	No
SLV 11	-470	-43608	22366	1564633	1.55	1.55	470	0.32	9009		0.4	No
SLV 11	-170	-12603	22384	-1592566	0.45	0.64	325.9	0.17	3308		0.15	No
SLV 12	-470	-43608	22366	1564633	1.55	1.55	470	0.32	9009		0.4	No
SLV 12	-170	-12603	22384	-1592566	0.45	0.64	325.9	0.17	3308		0.15	No
SLV 6	-470	-23518	-11292	-3218007	0.83	1.33	294.5	0.28	5010		0.44	No
SLV 6	-170	-14907	-11513	-1509517	0.53	0.62	401.21	0.16	3970		0.34	No
SLV 5	-470	-23518	-11292	-3218007	0.83	1.33	294.5	0.28	5010		0.44	No
SLV 5	-170	-14907	-11513	-1509517	0.53	0.62	401.21	0.16	3970		0.34	No
SLV 7	-470	-45616	26004	1719162	1.62	1.62	470	0.33	9343		0.36	No
SLV 7	-170	-10857	26293	-1687345	0.39	0.76	238.77	0.19	2694		0.1	No
SLV 4	-470	-40225	17194	171437	1.43	1.43	470	0.3	8445		0.49	No
SLV 4	-170	-10238	17622	-1735682	0.36	0.87	196.42	0.21	2434		0.14	No
SLV 3	-470	-40225	17194	171437	1.43	1.43	470	0.3	8445		0.49	No
SLV 3	-170	-10238	17622	-1735682	0.36	0.87	196.42	0.21	2434		0.14	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.11 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 6	3	0.36	14.36	-17712	176413	404143	2.29	Si
SLV 5	3	0.36	14.36	-17712	176413	404143	2.29	Si
SLV 1	3	0.36	14.58	-17981	176413	408330	2.31	Si
SLV 2	3	0.36	14.58	-17981	176413	408330	2.31	Si
SLV 10	3	0.36	14.98	-18470	176413	415766	2.36	Si
SLV 9	3	0.36	14.98	-18470	176413	415766	2.36	Si
SLV 3	3	0.36	15.39	-18971	176413	423186	2.4	Si
SLV 4	3	0.36	15.39	-18971	176413	423186	2.4	Si
SLV 14	3	0.36	16.63	-20509	176413	444705	2.52	Si
SLV 13	3	0.36	16.63	-20509	176413	444705	2.52	Si

Maschio 4

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2251.2	3771	2251.2	3828.5	L1	L3	57.5	60	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-736	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 30	-273.5	-2879	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 30	-525	-4068	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 36	-22	-719	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 36	-273.5	-2854	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 36	-525	-4053	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 29	-22	-731	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 29	-273.5	-2859	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 29	-525	-4051	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 34	-22	-714	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 34	-273.5	-2833	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 34	-525	-4036	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 32	-22	-707	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 32	-273.5	-2803	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 32	-525	-4012	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 21	-22	-690	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 21	-273.5	-2733	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 21	-525	-3952	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 27	-22	-673	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 27	-273.5	-2708	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 27	-525	-3937	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 20	-22	-685	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 20	-273.5	-2712	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 20	-525	-3935	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 25	-22	-668	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 25	-273.5	-2687	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 25	-525	-3920	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 23	-22	-661	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 23	-273.5	-2657	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si
SLU 23	-525	-3896	0	1	0	0	2.33	0	2.33	0.79	1	6734	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 12	-470	-3341	1	1591	0.97	0.97	57.5	0.18	616		869.97	Si
SLU 12	-170	-1807	0	13840	0.52	0.52	57.5	0.12	411		7766.26	Si
SLU 36	-470	-4149	1	1331	1.2	1.2	57.5	0.21	724		836.69	Si
SLU 36	-170	-2110	0	15956	0.61	0.61	57.5	0.13	452		17730.49	Si
SLU 16	-470	-3301	1	1168	0.96	0.96	57.5	0.18	611		856.01	Si
SLU 16	-170	-1756	0	13088	0.51	0.51	57.5	0.12	405		3814.81	Si
SLU 29	-470	-4153	1	1932	1.2	1.2	57.5	0.21	724		866.39	Si
SLU 29	-170	-2119	0	16733	0.61	0.61	57.5	0.13	453		4769.89	Si
SLU 34	-470	-4131	1	1420	1.2	1.2	57.5	0.21	721		845.51	Si
SLU 34	-170	-2089	0	15968	0.61	0.61	57.5	0.13	449		54797.2	Si
SLU 35	-470	-3952	1	942	1.15	1.15	57.5	0.2	697		868.91	Si
SLU 35	-170	-1869	0	14329	0.54	0.54	57.5	0.12	420		7567.95	Si
SLU 32	-470	-4104	1	1587	1.19	1.19	57.5	0.21	718		861.73	Si
SLU 32	-170	-2058	0	16011	0.6	0.6	57.5	0.13	445		7139.75	Si
SLU 18	-470	-3319	1	1079	0.96	0.96	57.5	0.18	613		845.32	Si
SLU 18	-170	-1777	0	13075	0.52	0.52	57.5	0.12	407		2915.62	Si
SLU 14	-470	-3274	1	1335	0.95	0.95	57.5	0.18	607		875.82	Si
SLU 14	-170	-1725	0	13131	0.5	0.5	57.5	0.12	400		7705.8	Si
SLU 30	-470	-4171	1	1843	1.21	1.21	57.5	0.21	726		857.1	Si
SLU 30	-170	-2140	0	16721	0.62	0.62	57.5	0.13	456		7436.46	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.11 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 6	3	0.36	0	2569	21582	0	0	No
SLV 2	3	0.36	0	120	21582	0	0	No
SLV 9	3	0.36	0	2053	21582	0	0	No
SLV 1	3	0.36	0	120	21582	0	0	No
SLV 5	3	0.36	0	2569	21582	0	0	No
SLV 10	3	0.36	0	2053	21582	0	0	No
SLV 14	3	0.36	10.61	-1600	21582	39521	1.83	Si
SLV 13	3	0.36	10.61	-1600	21582	39521	1.83	Si
SLV 11	3	0.36	44.19	-6666	21582	52700	2.44	Si
SLV 12	3	0.36	44.19	-6666	21582	52700	2.44	Si

Maschio 5

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2291.2	1464.7	2291.2	3201	L1	L3	1736.3	140	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-374909	0	1	0	-4.28	2.33	0	6.61	0.83	1	499759	Si
SLU 30	-273.5	-558503	0	1	0	-4.28	2.33	0	3.31	0.91	1	543989	No
SLU 30	-525	-724170	0	1	0	-4.28	2.33	0	6.61	0.83	1	499759	No
SLU 29	-22	-372278	0	1	0	-4.31	2.33	0	6.64	0.83	1	499354	Si
SLU 29	-273.5	-555812	0	1	0	-4.31	2.33	0	3.32	0.91	1	543787	No
SLU 29	-525	-721471	0	1	0	-4.31	2.33	0	6.64	0.83	1	499354	No
SLU 36	-22	-364355	0	1	0	-3.94	2.33	0	6.27	0.84	1	504316	Si
SLU 36	-273.5	-547646	0	1	0	-3.94	2.33	0	3.14	0.91	1	546268	No
SLU 36	-525	-713214	0	1	0	-3.94	2.33	0	6.27	0.84	1	504316	No
SLU 34	-22	-361723	0	1	0	-3.97	2.33	0	6.3	0.84	1	503932	Si
SLU 34	-273.5	-544954	0	1	0	-3.97	2.33	0	3.15	0.91	1	546076	Si
SLU 34	-525	-710515	0	1	0	-3.97	2.33	0	6.3	0.84	1	503932	No
SLU 32	-22	-357526	0	1	0	-4.02	2.33	0	6.35	0.84	1	503308	Si
SLU 32	-273.5	-540574	0	1	0	-4.02	2.33	0	3.17	0.91	1	545764	Si
SLU 32	-525	-706017	0	1	0	-4.02	2.33	0	6.35	0.84	1	503308	No
SLU 21	-22	-342517	0	1	0	-4.07	2.33	0	6.4	0.84	1	502570	Si
SLU 21	-273.5	-525562	0	1	0	-4.07	2.33	0	3.2	0.91	1	545395	Si
SLU 21	-525	-691226	0	1	0	-4.07	2.33	0	6.4	0.84	1	502570	No
SLU 20	-22	-339886	0	1	0	-4.1	2.33	0	6.43	0.84	1	502148	Si
SLU 20	-273.5	-522870	0	1	0	-4.1	2.33	0	3.22	0.91	1	545184	Si
SLU 20	-525	-688528	0	1	0	-4.1	2.33	0	6.43	0.84	1	502148	No
SLU 27	-22	-331963	0	1	0	-3.69	2.33	0	6.02	0.85	1	507661	Si
SLU 27	-273.5	-514704	0	1	0	-3.69	2.33	0	3.01	0.91	1	547941	Si
SLU 27	-525	-680270	0	1	0	-3.69	2.33	0	6.02	0.85	1	507661	No
SLU 25	-22	-329331	0	1	0	-3.72	2.33	0	6.05	0.85	1	507266	Si
SLU 25	-273.5	-512013	0	1	0	-3.72	2.33	0	3.03	0.91	1	547743	Si
SLU 25	-525	-677572	0	1	0	-3.72	2.33	0	6.05	0.85	1	507266	No
SLU 23	-22	-325134	0	1	0	-3.77	2.33	0	6.1	0.84	1	506624	Si
SLU 23	-273.5	-507632	0	1	0	-3.77	2.33	0	3.05	0.91	1	547422	Si
SLU 23	-525	-673073	0	1	0	-3.77	2.33	0	6.1	0.84	1	506624	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 6	-525	-529675	-37357891	2.18	77908066	2.085	Si
SLV 6	-22	-243729	7158409	1	130726005	18.262	Si
SLV 13	-525	-561185	-21587566	2.31	58470269	2.709	Si
SLV 13	-22	-302035	20689062	1.24	138024954	6.671	Si
SLV 1	-525	-493607	-16893594	2.03	96839884	5.732	Si
SLV 1	-22	-209034	-11411628	0.86	121990023	10.69	Si
SLV 2	-525	-493607	-16893594	2.03	96839884	5.732	Si
SLV 2	-22	-209034	-11411628	0.86	121990023	10.69	Si
SLV 14	-525	-561185	-21587566	2.31	58470269	2.709	Si
SLV 14	-22	-302035	20689062	1.24	138024954	6.671	Si
SLV 11	-525	-514474	15009366	2.12	86318794	5.751	Si
SLV 11	-22	-265501	-4167942	1.09	134534284	32.278	Si
SLV 10	-525	-549949	-38766082	2.26	65711824	1.695	Si
SLV 10	-22	-271629	16788616	1.12	135373538	8.063	Si
SLV 12	-525	-514474	15009366	2.12	86318794	5.751	Si
SLV 12	-22	-265501	-4167942	1.09	134534284	32.278	Si
SLV 9	-525	-549949	-38766082	2.26	65711824	1.695	Si
SLV 9	-22	-271629	16788616	1.12	135373538	8.063	Si
SLV 5	-525	-529675	-37357891	2.18	77908066	2.085	Si
SLV 5	-22	-243729	7158409	1	130726005	18.262	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 32	-525	-706017	-25722	-14808178	2.9	2.9	1736.31	0.44	106140		4.13	Si
SLU 32	-22	-357526	-25523	2309258	1.47	1.47	1736.31	0.25	59674		2.34	Si
SLU 35	-525	-664561	-22978	-14083150	2.73	2.73	1736.31	0.41	100612		4.38	Si
SLU 35	-22	-317655	-22776	1464988	1.31	1.31	1736.31	0.22	54358		2.39	Si
SLU 21	-525	-691226	-24514	-14824743	2.84	2.84	1736.31	0.43	104168		4.25	Si
SLU 21	-22	-342517	-24292	2178062	1.41	1.41	1736.31	0.24	57673		2.37	Si
SLU 29	-525	-721471	-26622	-15174149	2.97	2.97	1736.31	0.45	108200		4.06	Si
SLU 29	-22	-372278	-26419	2697196	1.53	1.53	1736.31	0.25	61641		2.33	Si
SLU 27	-525	-680270	-23839	-14547940	2.8	2.8	1736.31	0.42	102707		4.31	Si
SLU 27	-22	-331963	-23625	1834598	1.37	1.37	1736.31	0.23	56266		2.38	Si
SLU 36	-525	-713214	-26184	-14886508	2.93	2.93	1736.31	0.44	107099		4.09	Si
SLU 36	-22	-364355	-25994	2349248	1.5	1.5	1736.31	0.25	60585		2.33	Si
SLU 34	-525	-710515	-25947	-14897346	2.92	2.92	1736.31	0.44	106740		4.11	Si
SLU 34	-22	-361723	-25752	2353732	1.49	1.49	1736.31	0.25	60234		2.34	Si
SLU 23	-525	-673073	-23377	-14469610	2.77	2.77	1736.31	0.42	101747		4.35	Si
SLU 23	-22	-325134	-23154	1794609	1.34	1.34	1736.31	0.23	55355		2.39	Si
SLU 20	-525	-688528	-24277	-14835581	2.83	2.83	1736.31	0.43	103808		4.28	Si
SLU 20	-22	-339886	-24050	2182546	1.4	1.4	1736.31	0.24	57322		2.38	Si
SLU 30	-525	-724170	-26859	-15163312	2.98	2.98	1736.31	0.45	108560		4.04	Si
SLU 30	-22	-374909	-26661	2692711	1.54	1.54	1736.31	0.26	61992		2.33	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 11	-525	-514474	111644	15009366	2.12	2.12	1736.31	0.41	100751		0.9	No
SLV 11	-22	-265501	110966	-4167942	1.09	1.09	1736.31	0.24	59255		0.53	No
SLV 8	-525	-494200	140796	16417557	2.03	2.03	1736.31	0.4	97372		0.69	No
SLV 8	-22	-237600	138799	-13798149	0.98	0.98	1736.31	0.22	54605		0.39	No
SLV 6	-525	-529675	-148187	-37357891	2.18	2.18	1736.31	0.42	103284		0.7	No
SLV 6	-22	-243729	-147174	7158409	1	1	1736.31	0.23	55627		0.38	No
SLV 14	-525	-561185	-110206	-21587566	2.31	2.31	1736.31	0.45	108536		0.98	No
SLV 14	-22	-302035	-107389	20689062	1.24	1.24	1736.31	0.27	65344		0.61	No
SLV 12	-525	-514474	111644	15009366	2.12	2.12	1736.31	0.41	100751		0.9	No
SLV 12	-22	-265501	110966	-4167942	1.09	1.09	1736.31	0.24	59255		0.53	No
SLV 10	-525	-549949	-177340	-38766082	2.26	2.26	1736.31	0.44	106663		0.6	No
SLV 10	-22	-271629	-175007	16788616	1.12	1.12	1736.31	0.25	60277		0.34	No
SLV 5	-525	-529675	-148187	-37357891	2.18	2.18	1736.31	0.42	103284		0.7	No
SLV 5	-22	-243729	-147174	7158409	1	1	1736.31	0.23	55627		0.38	No
SLV 13	-525	-561185	-110206	-21587566	2.31	2.31	1736.31	0.45	108536		0.98	No
SLV 13	-22	-302035	-107389	20689062	1.24	1.24	1736.31	0.27	65344		0.61	No
SLV 9	-525	-549949	-177340	-38766082	2.26	2.26	1736.31	0.44	106663		0.6	No
SLV 9	-22	-271629	-175007	16788616	1.12	1.12	1736.31	0.25	60277		0.34	No
SLV 7	-525	-494200	140796	16417557	2.03	2.03	1736.31	0.4	97372		0.69	No
SLV 7	-22	-237600	138799	-13798149	0.98	0.98	1736.31	0.22	54605		0.39	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.27 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 13	3	0.36	96.12	-437841	1520681	9606219	6.32	Si
SLV 14	3	0.36	96.12	-437841	1520681	9606219	6.32	Si
SLV 15	3	0.36	94.51	-430502	1520681	9791997	6.44	Si
SLV 16	3	0.36	94.51	-430502	1520681	9791997	6.44	Si
SLV 9	3	0.36	91.97	-418933	1520681	10060856	6.62	Si
SLV 10	3	0.36	91.97	-418933	1520681	10060856	6.62	Si
SLV 6	3	0.36	86.8	-395387	1520681	10517281	6.92	Si
SLV 5	3	0.36	86.8	-395387	1520681	10517281	6.92	Si
SLV 11	3	0.36	86.6	-394470	1520681	10532593	6.93	Si
SLV 12	3	0.36	86.6	-394470	1520681	10532593	6.93	Si

Maschio 6

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2291.2	3828.5	2291.2	3939.1	L1	L3	110.6	140	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 29	-22	-6919	0	1	0	-12.06	2.33	0	14.39	0.68	1	26136	Si
SLU 29	-273.5	-22970	0	1	0	-12.06	2.33	0	7.19	0.82	1	31345	Si
SLU 29	-525	-21307	0	1	0	-12.06	2.33	0	14.39	0.68	1	26136	Si
SLU 30	-22	-6947	0	1	0	-12.01	2.33	0	14.34	0.68	1	26161	Si
SLU 30	-273.5	-22965	0	1	0	-12.01	2.33	0	7.17	0.82	1	31366	Si
SLU 30	-525	-21297	0	1	0	-12.01	2.33	0	14.34	0.68	1	26161	Si
SLU 20	-22	-6357	0	1	0	-11.73	2.33	0	14.06	0.69	1	26303	Si
SLU 20	-273.5	-22341	0	1	0	-11.73	2.33	0	7.03	0.82	1	31484	Si
SLU 20	-525	-21008	0	1	0	-11.73	2.33	0	14.06	0.69	1	26303	Si
SLU 32	-22	-6544	0	1	0	-11.66	2.33	0	13.99	0.69	1	26338	Si
SLU 32	-273.5	-22450	0	1	0	-11.66	2.33	0	7	0.82	1	31513	Si
SLU 32	-525	-21033	0	1	0	-11.66	2.33	0	13.99	0.69	1	26338	Si
SLU 21	-22	-6385	0	1	0	-11.68	2.33	0	14.01	0.69	1	26329	Si
SLU 21	-273.5	-22336	0	1	0	-11.68	2.33	0	7.01	0.82	1	31505	Si
SLU 21	-525	-20999	0	1	0	-11.68	2.33	0	14.01	0.69	1	26329	Si
SLU 34	-22	-6586	0	1	0	-11.59	2.33	0	13.92	0.69	1	26378	Si
SLU 34	-273.5	-22446	0	1	0	-11.59	2.33	0	6.96	0.82	1	31545	Si
SLU 34	-525	-21013	0	1	0	-11.59	2.33	0	13.92	0.69	1	26378	Si
SLU 36	-22	-6614	0	1	0	-11.54	2.33	0	13.87	0.69	1	26402	Si
SLU 36	-273.5	-22441	0	1	0	-11.54	2.33	0	6.94	0.83	1	31566	Si
SLU 36	-525	-21004	0	1	0	-11.54	2.33	0	13.87	0.69	1	26402	Si
SLU 23	-22	-5981	0	1	0	-11.28	2.33	0	13.61	0.69	1	26535	Si
SLU 23	-273.5	-21821	0	1	0	-11.28	2.33	0	6.81	0.83	1	31676	Si
SLU 23	-525	-20735	0	1	0	-11.28	2.33	0	13.61	0.69	1	26535	Si
SLU 25	-22	-6024	0	1	0	-11.2	2.33	0	13.53	0.69	1	26576	Si
SLU 25	-273.5	-21817	0	1	0	-11.2	2.33	0	6.77	0.83	1	31710	Si
SLU 25	-525	-20715	0	1	0	-11.2	2.33	0	13.53	0.69	1	26576	Si
SLU 27	-22	-6052	0	1	0	-11.15	2.33	0	13.48	0.7	1	26602	Si
SLU 27	-273.5	-21812	0	1	0	-11.15	2.33	0	6.74	0.83	1	31732	Si
SLU 27	-525	-20706	0	1	0	-11.15	2.33	0	13.48	0.7	1	26602	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 23	-350	-24810	-36	421303	1.6	1.6	110.62	0.26	4073		113.68	Si
SLU 23	-235	-20109	-258	444357	1.3	1.44	99.64	0.24	3370		13.07	Si
SLU 19	-350	-23645	-38	409405	1.53	1.53	110.62	0.25	3917		101.86	Si
SLU 19	-235	-18931	-277	433494	1.22	1.39	97.24	0.23	3196		11.54	Si
SLU 1	-350	-18352	-29	316371	1.18	1.18	110.62	0.21	3212		110.55	Si
SLU 1	-235	-14728	-210	334714	0.95	1.08	97.75	0.19	2640		12.59	Si
SLU 31	-350	-24249	-35	412303	1.57	1.57	110.62	0.26	3998		113.22	Si
SLU 31	-235	-19552	-258	435099	1.26	1.41	99.17	0.24	3293		12.78	Si
SLU 4	-350	-18336	-28	313793	1.18	1.18	110.62	0.21	3210		114.98	Si
SLU 4	-235	-14721	-203	331551	0.95	1.07	98.37	0.19	2643		13	Si
SLU 33	-350	-24241	-35	410788	1.57	1.57	110.62	0.26	3997		114.85	Si
SLU 33	-235	-19551	-254	433171	1.26	1.4	99.47	0.24	3294		13	Si
SLU 28	-350	-24264	-36	414881	1.57	1.57	110.62	0.26	4000		109.74	Si
SLU 28	-235	-19559	-264	438262	1.26	1.42	98.71	0.24	3290		12.47	Si
SLU 22	-350	-23629	-37	406827	1.53	1.53	110.62	0.25	3915		104.92	Si
SLU 22	-235	-18924	-271	430331	1.22	1.38	97.71	0.23	3199		11.82	Si
SLU 24	-350	-23622	-37	405311	1.53	1.53	110.62	0.25	3914		106.34	Si
SLU 24	-235	-18922	-267	428403	1.22	1.38	98.01	0.23	3201		12.01	Si
SLU 26	-350	-23614	-36	404022	1.52	1.52	110.62	0.25	3913		107.99	Si
SLU 26	-235	-18919	-263	426821	1.22	1.38	98.25	0.23	3202		12.15	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.27 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 12	3	0.36	46.7	-13553	96884	632252	6.53	Si
SLV 11	3	0.36	46.7	-13553	96884	632252	6.53	Si
SLV 8	3	0.36	47.65	-13829	96884	638556	6.59	Si
SLV 7	3	0.36	47.65	-13829	96884	638556	6.59	Si
SLV 15	3	0.36	53.34	-15479	96884	670732	6.92	Si
SLV 16	3	0.36	53.34	-15479	96884	670732	6.92	Si
SLV 3	3	0.36	56.51	-16400	96884	684614	7.07	Si
SLV 4	3	0.36	56.51	-16400	96884	684614	7.07	Si

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 13	3	0.36	59.98	-17406	96884	696444	7.19	Si
SLV 14	3	0.36	59.98	-17406	96884	696444	7.19	Si

Maschio 7

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2291.2	4155.1	2291.2	4611	L1	L3	455.8	140	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-57015	0	1	0	-5.4	2.33	0	7.73	0.81	1	127267	Si
SLU 30	-273.5	-112967	0	1	0	-5.4	2.33	0	3.87	0.89	1	140847	Si
SLU 30	-525	-130566	0	1	0	-5.4	2.33	0	7.73	0.81	1	127267	No
SLU 29	-22	-56861	0	1	0	-5.42	2.33	0	7.75	0.81	1	127215	Si
SLU 29	-273.5	-112797	0	1	0	-5.42	2.33	0	3.87	0.89	1	140822	Si
SLU 29	-525	-130364	0	1	0	-5.42	2.33	0	7.75	0.81	1	127215	No
SLU 36	-22	-54591	0	1	0	-5.16	2.33	0	7.49	0.81	1	128113	Si
SLU 36	-273.5	-110156	0	1	0	-5.16	2.33	0	3.75	0.9	1	141271	Si
SLU 36	-525	-128132	0	1	0	-5.16	2.33	0	7.49	0.81	1	128113	No
SLU 34	-22	-54438	0	1	0	-5.18	2.33	0	7.51	0.81	1	128062	Si
SLU 34	-273.5	-109986	0	1	0	-5.18	2.33	0	3.75	0.9	1	141245	Si
SLU 34	-525	-127929	0	1	0	-5.18	2.33	0	7.51	0.81	1	128062	Si
SLU 32	-22	-54233	0	1	0	-5.2	2.33	0	7.53	0.81	1	127993	Si
SLU 32	-273.5	-109763	0	1	0	-5.2	2.33	0	3.76	0.9	1	141211	Si
SLU 32	-525	-127675	0	1	0	-5.2	2.33	0	7.53	0.81	1	127993	Si
SLU 21	-22	-52970	0	1	0	-5.2	2.33	0	7.53	0.81	1	127983	Si
SLU 21	-273.5	-108347	0	1	0	-5.2	2.33	0	3.77	0.9	1	141206	Si
SLU 21	-525	-126254	0	1	0	-5.2	2.33	0	7.53	0.81	1	127983	Si
SLU 20	-22	-52817	0	1	0	-5.22	2.33	0	7.55	0.81	1	127930	Si
SLU 20	-273.5	-108177	0	1	0	-5.22	2.33	0	3.77	0.9	1	141179	Si
SLU 20	-525	-126052	0	1	0	-5.22	2.33	0	7.55	0.81	1	127930	Si
SLU 27	-22	-50547	0	1	0	-4.93	2.33	0	7.26	0.82	1	128932	Si
SLU 27	-273.5	-105536	0	1	0	-4.93	2.33	0	3.63	0.9	1	141680	Si
SLU 27	-525	-123820	0	1	0	-4.93	2.33	0	7.26	0.82	1	128932	Si
SLU 25	-22	-50393	0	1	0	-4.95	2.33	0	7.28	0.82	1	128879	Si
SLU 25	-273.5	-105366	0	1	0	-4.95	2.33	0	3.64	0.9	1	141654	Si
SLU 25	-525	-123618	0	1	0	-4.95	2.33	0	7.28	0.82	1	128879	Si
SLU 23	-22	-50189	0	1	0	-4.97	2.33	0	7.3	0.82	1	128808	Si
SLU 23	-273.5	-105143	0	1	0	-4.97	2.33	0	3.65	0.9	1	141618	Si
SLU 23	-525	-123363	0	1	0	-4.97	2.33	0	7.3	0.82	1	128808	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 14	-350	-72410	-5667471	1.13	9365973	1.653	Si
SLV 14	-235	-58906	-4303502	0.92	8702202	2.022	Si
SLV 2	-350	-104875	-6844933	1.64	8930172	1.305	Si
SLV 2	-235	-91269	-5515627	1.43	9462123	1.716	Si
SLV 10	-350	-79413	-7720211	1.24	9514705	1.232	Si
SLV 10	-235	-65856	-5053003	1.03	9105817	1.802	Si
SLV 13	-350	-72410	-5667471	1.13	9365973	1.653	Si
SLV 13	-235	-58906	-4303502	0.92	8702202	2.022	Si
SLV 5	-350	-89152	-8073450	1.4	9499574	1.177	Si
SLV 5	-235	-75565	-5416640	1.18	9449503	1.745	Si
SLV 1	-350	-104875	-6844933	1.64	8930172	1.305	Si
SLV 1	-235	-91269	-5515627	1.43	9462123	1.716	Si
SLV 4	-350	-108612	-5438680	1.7	8695842	1.599	Si
SLV 4	-235	-95021	-5236835	1.49	9365760	1.788	Si
SLV 9	-350	-79413	-7720211	1.24	9514705	1.232	Si
SLV 9	-235	-65856	-5053003	1.03	9105817	1.802	Si
SLV 6	-350	-89152	-8073450	1.4	9499574	1.177	Si
SLV 6	-235	-75565	-5416640	1.18	9449503	1.745	Si
SLV 3	-350	-108612	-5438680	1.7	8695842	1.599	Si
SLV 3	-235	-95021	-5236835	1.49	9365760	1.788	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 26	-350	-109248	-8957	-6733557	1.71	1.71	455.84	0.28	17718		1.98	Si
SLU 26	-235	-91637	-8957	-5596254	1.44	1.44	455.84	0.24	15370		1.72	Si
SLU 6	-350	-85255	-6726	-5232992	1.34	1.34	455.84	0.23	14519		2.16	Si
SLU 6	-235	-71708	-6726	-4377003	1.12	1.12	455.84	0.2	12713		1.89	Si
SLU 19	-350	-108515	-9188	-6772000	1.7	1.7	455.84	0.28	17620		1.92	Si
SLU 19	-235	-90903	-9188	-5608067	1.42	1.42	455.84	0.24	15272		1.66	Si
SLU 24	-350	-109078	-9016	-6742916	1.71	1.71	455.84	0.28	17695		1.96	Si
SLU 24	-235	-91467	-9016	-5598821	1.43	1.43	455.84	0.24	15347		1.7	Si
SLU 22	-350	-108855	-9070	-6753281	1.71	1.71	455.84	0.28	17665		1.95	Si
SLU 22	-235	-91243	-9070	-5602933	1.43	1.43	455.84	0.24	15317		1.69	Si
SLU 31	-350	-113475	-8427	-6953650	1.78	1.78	455.84	0.29	18281		2.17	Si
SLU 31	-235	-95863	-8427	-5877266	1.5	1.5	455.84	0.25	15933		1.89	Si
SLU 33	-350	-113698	-8373	-6943285	1.78	1.78	455.84	0.29	18311		2.19	Si
SLU 33	-235	-96087	-8373	-5873154	1.51	1.51	455.84	0.25	15963		1.91	Si
SLU 1	-350	-84691	-6898	-5262075	1.33	1.33	455.84	0.23	14444		2.09	Si
SLU 1	-235	-71144	-6898	-4386249	1.11	1.11	455.84	0.2	12637		1.83	Si
SLU 4	-350	-85031	-6780	-5243357	1.33	1.33	455.84	0.23	14489		2.14	Si
SLU 4	-235	-71484	-6780	-4381115	1.12	1.12	455.84	0.2	12683		1.87	Si
SLU 28	-350	-113135	-8545	-6972369	1.77	1.77	455.84	0.29	18236		2.13	Si
SLU 28	-235	-95523	-8545	-5882400	1.5	1.5	455.84	0.25	15888		1.86	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 11	-350	-91869	10041	-3032701	1.44	1.44	455.84	0.3	19251		1.92	Si
SLV 11	-235	-78362	10062	-4123697	1.23	1.23	455.84	0.27	17000		1.69	Si
SLV 5	-350	-89152	-22222	-8073450	1.4	1.55	412.09	0.32	18420		0.83	No
SLV 5	-235	-75565	-22243	-5416640	1.18	1.18	455.84	0.26	16533		0.74	No
SLV 2	-350	-104875	-10553	-6844933	1.64	1.64	455.84	0.34	21418		2.03	Si
SLV 2	-235	-91269	-10613	-5515627	1.43	1.43	455.84	0.3	19151		1.8	Si
SLV 13	-350	-72410	-11381	-5667471	1.13	1.15	448.96	0.25	15948		1.4	Si
SLV 13	-235	-58906	-11323	-4303502	0.92	0.92	455.84	0.22	13757		1.21	Si
SLV 9	-350	-79413	-22470	-7720211	1.24	1.45	392.12	0.3	16624		0.74	No
SLV 9	-235	-65856	-22456	-5053003	1.03	1.04	453.58	0.23	14896		0.66	No
SLV 6	-350	-89152	-22222	-8073450	1.4	1.55	412.09	0.32	18420		0.83	No
SLV 6	-235	-75565	-22243	-5416640	1.18	1.18	455.84	0.26	16533		0.74	No
SLV 14	-350	-72410	-11381	-5667471	1.13	1.15	448.96	0.25	15948		1.4	Si
SLV 14	-235	-58906	-11323	-4303502	0.92	0.92	455.84	0.22	13757		1.21	Si
SLV 1	-350	-104875	-10553	-6844933	1.64	1.64	455.84	0.34	21418		2.03	Si
SLV 1	-235	-91269	-10613	-5515627	1.43	1.43	455.84	0.3	19151		1.8	Si
SLV 12	-350	-91869	10041	-3032701	1.44	1.44	455.84	0.3	19251		1.92	Si
SLV 12	-235	-78362	10062	-4123697	1.23	1.23	455.84	0.27	17000		1.69	Si
SLV 10	-350	-79413	-22470	-7720211	1.24	1.45	392.12	0.3	16624		0.74	No
SLV 10	-235	-65856	-22456	-5053003	1.03	1.04	453.58	0.23	14896		0.66	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.27 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 13	3	0.36	53.13	-63533	399232	2759678	6.91	Si
SLV 14	3	0.36	53.13	-63533	399232	2759678	6.91	Si
SLV 15	3	0.36	56.26	-67277	399232	2816982	7.06	Si
SLV 16	3	0.36	56.26	-67277	399232	2816982	7.06	Si
SLV 4	3	0.36	83.34	-99663	399232	2823532	7.07	Si
SLV 3	3	0.36	83.34	-99663	399232	2823532	7.07	Si
SLV 9	3	0.36	58.95	-70502	399232	2856952	7.16	Si
SLV 10	3	0.36	58.95	-70502	399232	2856952	7.16	Si
SLV 2	3	0.36	80.21	-95920	399232	2867604	7.18	Si
SLV 1	3	0.36	80.21	-95920	399232	2867604	7.18	Si

Maschio 8

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2504.1	1464.7	2291.2	1464.7	L1	L3	212.9	60	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-23573	0	1	0	1.56	2.33	0	3.89	0.71	1	22431	No
SLU 30	-273.5	-26105	0	1	0	1.56	2.33	0	2.33	0.79	1	24940	No
SLU 30	-525	-35246	0	1	0	1.56	2.33	0	3.89	0.71	1	22431	No
SLU 29	-22	-23461	0	1	0	1.57	2.33	0	3.9	0.71	1	22419	No
SLU 29	-273.5	-26004	0	1	0	1.57	2.33	0	2.33	0.79	1	24940	No
SLU 29	-525	-35121	0	1	0	1.57	2.33	0	3.9	0.71	1	22419	No
SLU 36	-22	-23152	0	1	0	1.47	2.33	0	3.8	0.72	1	22581	No
SLU 36	-273.5	-25667	0	1	0	1.47	2.33	0	2.33	0.79	1	24940	No
SLU 36	-525	-34751	0	1	0	1.47	2.33	0	3.8	0.72	1	22581	No
SLU 34	-22	-23040	0	1	0	1.48	2.33	0	3.81	0.72	1	22570	No
SLU 34	-273.5	-25566	0	1	0	1.48	2.33	0	2.33	0.79	1	24940	No
SLU 34	-525	-34626	0	1	0	1.48	2.33	0	3.81	0.72	1	22570	No
SLU 32	-22	-22705	0	1	0	1.5	2.33	0	3.83	0.71	1	22535	No
SLU 32	-273.5	-25302	0	1	0	1.5	2.33	0	2.33	0.79	1	24940	No
SLU 32	-525	-34387	0	1	0	1.5	2.33	0	3.83	0.71	1	22535	No
SLU 21	-22	-21958	0	1	0	1.52	2.33	0	3.85	0.71	1	22504	Si
SLU 21	-273.5	-24652	0	1	0	1.52	2.33	0	2.33	0.79	1	24940	Si
SLU 21	-525	-33737	0	1	0	1.52	2.33	0	3.85	0.71	1	22504	No
SLU 20	-22	-21846	0	1	0	1.53	2.33	0	3.86	0.71	1	22491	Si
SLU 20	-273.5	-24551	0	1	0	1.53	2.33	0	2.33	0.79	1	24940	Si
SLU 20	-525	-33612	0	1	0	1.53	2.33	0	3.86	0.71	1	22491	No
SLU 27	-22	-21537	0	1	0	1.42	2.33	0	3.75	0.72	1	22667	Si
SLU 27	-273.5	-24214	0	1	0	1.42	2.33	0	2.33	0.79	1	24940	Si
SLU 27	-525	-33242	0	1	0	1.42	2.33	0	3.75	0.72	1	22667	No
SLU 25	-22	-21425	0	1	0	1.42	2.33	0	3.75	0.72	1	22655	Si
SLU 25	-273.5	-24113	0	1	0	1.42	2.33	0	2.33	0.79	1	24940	Si
SLU 25	-525	-33117	0	1	0	1.42	2.33	0	3.75	0.72	1	22655	No
SLU 23	-22	-21091	0	1	0	1.45	2.33	0	3.78	0.72	1	22619	Si
SLU 23	-273.5	-23848	0	1	0	1.45	2.33	0	2.33	0.79	1	24940	Si
SLU 23	-525	-32878	0	1	0	1.45	2.33	0	3.78	0.72	1	22619	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 2	-525	-29944	340889	2.34	340146	0.998	No
SLV 2	-22	-20461	-181264	1.6	848744	4.682	Si
SLV 1	-525	-29944	340889	2.34	340146	0.998	No
SLV 1	-22	-20461	-181264	1.6	848744	4.682	Si
SLV 10	-525	-33376	924760	2.61	15248	0.016	No
SLV 10	-22	-18091	141045	1.42	886621	6.286	Si
SLV 13	-525	-26090	1161486	2.04	615722	0.53	No
SLV 13	-22	-14051	152664	1.1	868940	5.692	Si
SLV 16	-525	-21001	1118214	1.64	835105	0.747	No
SLV 16	-22	-12511	62445	0.98	834912	13.37	Si

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 15	-525	-21001	1118214	1.64	835105	0.747	No
SLV 15	-22	-12511	62445	0.98	834912	13.37	Si
SLV 9	-525	-33376	924760	2.61	15248	0.016	No
SLV 9	-22	-18091	141045	1.42	886621	6.286	Si
SLV 5	-525	-34532	678581	2.7	0	0	No
SLV 5	-22	-20014	40867	1.57	858618	21.01	Si
SLV 14	-525	-26090	1161486	2.04	615722	0.53	No
SLV 14	-22	-14051	152664	1.1	868940	5.692	Si
SLV 6	-525	-34532	678581	2.7	0	0	No
SLV 6	-22	-20014	40867	1.57	858618	21.01	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 21	-525	-33737	11671	964294	2.64	2.64	212.95	0.4	5129		0.44	No
SLU 21	-22	-21958	13149	-70607	1.72	1.72	212.95	0.28	3559		0.27	No
SLU 26	-525	-30945	10925	871996	2.42	2.42	212.95	0.37	4757		0.44	No
SLU 26	-22	-19251	12300	-78318	1.51	1.51	212.95	0.25	3198		0.26	No
SLU 22	-525	-30580	10882	862272	2.39	2.39	212.95	0.37	4708		0.43	No
SLU 22	-22	-18805	12245	-73712	1.47	1.47	212.95	0.25	3138		0.26	No
SLU 19	-525	-30330	10925	857063	2.37	2.37	212.95	0.37	4675		0.43	No
SLU 19	-22	-18581	12284	-79666	1.45	1.45	212.95	0.24	3108		0.25	No
SLU 23	-525	-32878	11419	935510	2.57	2.57	212.95	0.39	5015		0.44	No
SLU 23	-22	-21091	12864	-69454	1.65	1.65	212.95	0.27	3443		0.27	No
SLU 28	-525	-31839	11020	908791	2.49	2.49	212.95	0.38	4876		0.44	No
SLU 28	-22	-20195	12426	-80686	1.58	1.58	212.95	0.26	3324		0.27	No
SLU 20	-525	-33612	11692	961690	2.63	2.63	212.95	0.4	5113		0.44	No
SLU 20	-22	-21846	13169	-73584	1.71	1.71	212.95	0.28	3544		0.27	No
SLU 31	-525	-32089	10977	913999	2.51	2.51	212.95	0.38	4910		0.45	No
SLU 31	-22	-20419	12386	-74732	1.6	1.6	212.95	0.26	3353		0.27	No
SLU 25	-525	-33117	11483	942630	2.59	2.59	212.95	0.39	5047		0.44	No
SLU 25	-22	-21425	12939	-77038	1.68	1.68	212.95	0.27	3488		0.27	No
SLU 24	-525	-30820	10946	869391	2.41	2.41	212.95	0.37	4740		0.43	No
SLU 24	-22	-19139	12320	-81295	1.5	1.5	212.95	0.25	3183		0.26	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 13	-525	-26090	5509	1161486	2.04	2.34	185.87	0.45	5037		0.91	No
SLV 13	-22	-14051	7607	152664	1.1	1.1	212.95	0.25	3131		0.41	No
SLV 7	-525	-17569	14159	534343	1.38	1.38	212.95	0.29	3717		0.26	No
SLV 7	-22	-14881	14885	-259864	1.16	1.16	212.95	0.26	3269		0.22	No
SLV 16	-525	-21001	8423	1118214	1.64	2.19	159.69	0.43	4092		0.49	No
SLV 16	-22	-12511	10456	62445	0.98	0.98	212.95	0.22	2874		0.27	No
SLV 8	-525	-17569	14159	534343	1.38	1.38	212.95	0.29	3717		0.26	No
SLV 8	-22	-14881	14885	-259864	1.16	1.16	212.95	0.26	3269		0.22	No
SLV 14	-525	-26090	5509	1161486	2.04	2.34	185.87	0.45	5037		0.91	No
SLV 14	-22	-14051	7607	152664	1.1	1.1	212.95	0.25	3131		0.41	No
SLV 3	-525	-24855	12017	297618	1.95	1.95	212.95	0.39	4931		0.41	No
SLV 3	-22	-18921	12155	-271483	1.48	1.48	212.95	0.31	3942		0.32	No
SLV 11	-525	-16413	13080	780522	1.28	1.55	176.76	0.32	3390		0.26	No
SLV 11	-22	-12958	14375	-159686	1.01	1.01	212.95	0.23	2948		0.21	No
SLV 12	-525	-16413	13080	780522	1.28	1.55	176.76	0.32	3390		0.26	No
SLV 12	-22	-12958	14375	-159686	1.01	1.01	212.95	0.23	2948		0.21	No
SLV 4	-525	-24855	12017	297618	1.95	1.95	212.95	0.39	4931		0.41	No
SLV 4	-22	-18921	12155	-271483	1.48	1.48	212.95	0.31	3942		0.32	No
SLV 15	-525	-21001	8423	1118214	1.64	2.19	159.69	0.43	4092		0.49	No
SLV 15	-22	-12511	10456	62445	0.98	0.98	212.95	0.22	2874		0.27	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.11 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 5	3	0.36	44.56	-24896	79930	192152	2.4	Si
SLV 6	3	0.36	44.56	-24896	79930	192152	2.4	Si
SLV 1	3	0.36	42.22	-23586	79930	209692	2.62	Si
SLV 2	3	0.36	42.22	-23586	79930	209692	2.62	Si
SLV 10	3	0.36	40.88	-22840	79930	218311	2.73	Si
SLV 9	3	0.36	40.88	-22840	79930	218311	2.73	Si
SLV 11	3	0.36	21.92	-12244	79930	233149	2.92	Si
SLV 12	3	0.36	21.92	-12244	79930	233149	2.92	Si
SLV 3	3	0.36	36.53	-20408	79930	239490	3	Si
SLV 4	3	0.36	36.53	-20408	79930	239490	3	Si

Maschio 9

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2508.1	1204.6	2504.1	1464.7	L1	L3	260.1	45	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-18823	0	1	0	-3.28	2.33	0	5.61	0.52	1	15066	No
SLU 30	-273.5	-24429	0	1	0	-3.28	2.33	0	2.81	0.66	1	19159	No
SLU 30	-525	-27316	0	1	0	-3.28	2.33	0	5.61	0.52	1	15066	No
SLU 29	-22	-18758	0	1	0	-3.29	2.33	0	5.62	0.52	1	15052	No
SLU 29	-273.5	-24358	0	1	0	-3.29	2.33	0	2.81	0.66	1	19148	No
SLU 29	-525	-27240	0	1	0	-3.29	2.33	0	5.62	0.52	1	15052	No
SLU 36	-22	-18048	0	1	0	-3.06	2.33	0	5.39	0.53	1	15337	No
SLU 36	-273.5	-23840	0	1	0	-3.06	2.33	0	2.7	0.67	1	19368	No
SLU 36	-525	-26865	0	1	0	-3.06	2.33	0	5.39	0.53	1	15337	No

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 34	-22	-17982	0	1	0	-3.07	2.33	0	5.4	0.53	1	15323	No
SLU 34	-273.5	-23768	0	1	0	-3.07	2.33	0	2.7	0.67	1	19358	No
SLU 34	-525	-26789	0	1	0	-3.07	2.33	0	5.4	0.53	1	15323	No
SLU 32	-22	-17748	0	1	0	-3.11	2.33	0	5.44	0.53	1	15273	No
SLU 32	-273.5	-23537	0	1	0	-3.11	2.33	0	2.72	0.67	1	19319	No
SLU 32	-525	-26613	0	1	0	-3.11	2.33	0	5.44	0.53	1	15273	No
SLU 21	-22	-17175	0	1	0	-3.12	2.33	0	5.45	0.53	1	15259	No
SLU 21	-273.5	-23125	0	1	0	-3.12	2.33	0	2.73	0.67	1	19308	No
SLU 21	-525	-26298	0	1	0	-3.12	2.33	0	5.45	0.53	1	15259	No
SLU 20	-22	-17110	0	1	0	-3.14	2.33	0	5.47	0.53	1	15245	No
SLU 20	-273.5	-23053	0	1	0	-3.14	2.33	0	2.73	0.67	1	19297	No
SLU 20	-525	-26222	0	1	0	-3.14	2.33	0	5.47	0.53	1	15245	No
SLU 27	-22	-16400	0	1	0	-2.87	2.33	0	5.2	0.54	1	15566	No
SLU 27	-273.5	-22535	0	1	0	-2.87	2.33	0	2.6	0.68	1	19545	No
SLU 27	-525	-25848	0	1	0	-2.87	2.33	0	5.2	0.54	1	15566	No
SLU 25	-22	-16335	0	1	0	-2.89	2.33	0	5.22	0.54	1	15552	No
SLU 25	-273.5	-22464	0	1	0	-2.89	2.33	0	2.61	0.68	1	19535	No
SLU 25	-525	-25772	0	1	0	-2.89	2.33	0	5.22	0.54	1	15552	No
SLU 23	-22	-16100	0	1	0	-2.93	2.33	0	5.26	0.54	1	15500	No
SLU 23	-273.5	-22233	0	1	0	-2.93	2.33	0	2.63	0.67	1	19495	No
SLU 23	-525	-25596	0	1	0	-2.93	2.33	0	5.26	0.54	1	15500	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 1.5 (SLD), γM = 2.4 (SLV)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLD 14	-525	-18020	-253959	1.54	1483651	5.842	Si
SLD 14	-22	-10129	-669588	0.87	1045553	1.561	Si
SLV 9	-525	-22033	-231423	1.88	808956	3.496	Si
SLV 9	-22	-9050	-757046	0.77	829913	1.096	Si
SLD 13	-525	-18020	-253959	1.54	1483651	5.842	Si
SLD 13	-22	-10129	-669588	0.87	1045553	1.561	Si
SLV 14	-525	-15814	-388680	1.35	997161	2.566	Si
SLV 14	-22	-6931	-1015521	0	0	0	No
SLV 10	-525	-22033	-231423	1.88	808956	3.496	Si
SLV 10	-22	-9050	-757046	0.77	829913	1.096	Si
SLV 13	-525	-15814	-388680	1.35	997161	2.566	Si
SLV 13	-22	-6931	-1015521	0	0	0	No
SLV 15	-525	-13541	-380819	1.16	984189	2.584	Si
SLV 15	-22	-8180	-899310	0.7	780251	0.868	No
SLV 16	-525	-13541	-380819	1.16	984189	2.584	Si
SLV 16	-22	-8180	-899310	0.7	780251	0.868	No
SLD 15	-525	-17015	-250468	1.45	1446162	5.774	Si
SLD 15	-22	-10681	-618043	0.91	1086906	1.759	Si
SLD 16	-525	-17015	-250468	1.45	1446162	5.774	Si
SLD 16	-22	-10681	-618043	0.91	1086906	1.759	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 24	-525	-23956	11197	-149479	2.05	2.05	260.07	0.32	3772		0.34	No
SLU 24	-22	-13675	11230	-509065	1.17	1.17	260.07	0.21	2401		0.21	No
SLU 25	-525	-25772	11541	-183301	2.2	2.2	260.07	0.34	4014		0.35	No
SLU 25	-22	-16335	11574	-524657	1.4	1.4	260.07	0.24	2756		0.24	No
SLU 4	-525	-18596	8541	-121418	1.59	1.59	260.07	0.26	3057		0.36	No
SLU 4	-22	-10804	8566	-391003	0.92	0.92	260.07	0.17	2018		0.24	No
SLU 22	-525	-23780	11194	-146358	2.03	2.03	260.07	0.32	3749		0.33	No
SLU 22	-22	-13441	11228	-512745	1.15	1.15	260.07	0.2	2370		0.21	No
SLU 1	-525	-18444	8577	-118759	1.58	1.58	260.07	0.26	3037		0.35	No
SLU 1	-22	-10674	8603	-389618	0.91	0.91	260.07	0.17	2001		0.23	No
SLU 28	-525	-24645	10998	-174873	2.11	2.11	260.07	0.33	3864		0.35	No
SLU 28	-22	-14959	11028	-497194	1.28	1.28	260.07	0.22	2572		0.23	No
SLU 26	-525	-24032	11179	-150808	2.05	2.05	260.07	0.32	3782		0.34	No
SLU 26	-22	-13740	11212	-509758	1.17	1.17	260.07	0.21	2410		0.21	No
SLU 19	-525	-23628	11230	-143699	2.02	2.02	260.07	0.32	3728		0.33	No
SLU 19	-22	-13311	11265	-511360	1.14	1.14	260.07	0.2	2353		0.21	No
SLU 23	-525	-25596	11539	-180181	2.19	2.19	260.07	0.34	3991		0.35	No
SLU 23	-22	-16100	11572	-528337	1.38	1.38	260.07	0.23	2725		0.24	No
SLU 31	-525	-24797	10962	-177532	2.12	2.12	260.07	0.33	3884		0.35	No
SLU 31	-22	-15089	10991	-498580	1.29	1.29	260.07	0.22	2590		0.24	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 11	-525	-14454	10927	-205218	1.24	1.24	260.07	0.27	3131		0.29	No
SLV 11	-22	-13213	10848	-369675	1.13	1.13	260.07	0.25	2925		0.27	No
SLV 3	-525	-23730	11417	94693	2.03	2.03	260.07	0.4	4677		0.41	No
SLV 3	-22	-18398	12044	226561	1.57	1.57	260.07	0.32	3789		0.31	No
SLV 15	-525	-13541	7667	-380819	1.16	1.16	260.07	0.25	2979		0.39	No
SLV 15	-22	-8180	7131	-899310	0.7	3.02	60.26	0.56	1531		0.21	No
SLV 4	-525	-23730	11417	94693	2.03	2.03	260.07	0.4	4677		0.41	No
SLV 4	-22	-18398	12044	226561	1.57	1.57	260.07	0.32	3789		0.31	No
SLV 8	-525	-17511	12052	-62564	1.5	1.5	260.07	0.31	3641		0.3	No
SLV 8	-22	-16279	12322	-31914	1.39	1.39	260.07	0.29	3435		0.28	No
SLV 16	-525	-13541	7667	-380819	1.16	1.16	260.07	0.25	2979		0.39	No
SLV 16	-22	-8180	7131	-899310	0.7	3.02	60.26	0.56	1531		0.21	No
SLV 14	-525	-15814	5998	-388680	1.35	1.35	260.07	0.29	3358		0.56	No
SLV 14	-22	-6931	5419	-1015521	0.59	0	0	0.06	0		0	No
SLV 7	-525	-17511	12052	-62564	1.5	1.5	260.07	0.31	3641		0.3	No
SLV 7	-22	-16279	12322	-31914	1.39	1.39	260.07	0.29	3435		0.28	No
SLV 12	-525	-14454	10927	-205218	1.24	1.24	260.07	0.27	3131		0.29	No
SLV 12	-22	-13213	10848	-369675	1.13	1.13	260.07	0.25	2925		0.27	No
SLV 13	-525	-15814	5998	-388680	1.35	1.35	260.07	0.29	3358		0.56	No
SLV 13	-22	-6931	5419	-1015521	0.59	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.09 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 2	3	0.36	36.11	-24634	73211	109553	1.5	Si
SLV 1	3	0.36	36.11	-24634	73211	109553	1.5	Si
SLV 3	3	0.36	35.55	-24256	73211	114582	1.57	Si
SLV 4	3	0.36	35.55	-24256	73211	114582	1.57	Si
SLV 15	3	0.36	14.5	-9894	73211	150879	2.06	Si

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 16	3	0.36	14.5	-9894	73211	150879	2.06	Si
SLV 14	3	0.36	15.06	-10272	73211	153792	2.1	Si
SLV 13	3	0.36	15.06	-10272	73211	153792	2.1	Si
SLV 5	3	0.36	29.38	-20047	73211	156538	2.14	Si
SLV 6	3	0.36	29.38	-20047	73211	156538	2.14	Si

Maschio 10

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2243.7	1204.6	2281	1204.6	L1	L3	37.3	60	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-8346	0	1	0	-0.27	2.33	0	2.6	0.78	1	4294	No
SLU 30	-273.5	-12120	0	1	0	-0.27	2.33	0	2.33	0.79	1	4371	No
SLU 30	-525	-9608	0	1	0	-0.27	2.33	0	2.6	0.78	1	4294	No
SLU 29	-22	-8282	0	1	0	-0.28	2.33	0	2.61	0.78	1	4293	No
SLU 29	-273.5	-12092	0	1	0	-0.28	2.33	0	2.33	0.79	1	4371	No
SLU 29	-525	-9594	0	1	0	-0.28	2.33	0	2.61	0.78	1	4293	No
SLU 36	-22	-8164	0	1	0	-0.22	2.33	0	2.55	0.78	1	4308	No
SLU 36	-273.5	-11838	0	1	0	-0.22	2.33	0	2.33	0.79	1	4371	No
SLU 36	-525	-9442	0	1	0	-0.22	2.33	0	2.55	0.78	1	4308	No
SLU 34	-22	-8100	0	1	0	-0.23	2.33	0	2.56	0.78	1	4307	No
SLU 34	-273.5	-11810	0	1	0	-0.23	2.33	0	2.33	0.79	1	4371	No
SLU 34	-525	-9427	0	1	0	-0.23	2.33	0	2.56	0.78	1	4307	No
SLU 32	-22	-8008	0	1	0	-0.23	2.33	0	2.56	0.78	1	4306	No
SLU 32	-273.5	-11743	0	1	0	-0.23	2.33	0	2.33	0.79	1	4371	No
SLU 32	-525	-9383	0	1	0	-0.23	2.33	0	2.56	0.78	1	4306	No
SLU 21	-22	-7740	0	1	0	-0.33	2.33	0	2.66	0.77	1	4277	No
SLU 21	-273.5	-11671	0	1	0	-0.33	2.33	0	2.33	0.79	1	4371	No
SLU 21	-525	-9366	0	1	0	-0.33	2.33	0	2.66	0.77	1	4277	No
SLU 20	-22	-7676	0	1	0	-0.34	2.33	0	2.67	0.77	1	4276	No
SLU 20	-273.5	-11644	0	1	0	-0.34	2.33	0	2.33	0.79	1	4371	No
SLU 20	-525	-9352	0	1	0	-0.34	2.33	0	2.67	0.77	1	4276	No
SLU 27	-22	-7559	0	1	0	-0.28	2.33	0	2.61	0.78	1	4291	No
SLU 27	-273.5	-11389	0	1	0	-0.28	2.33	0	2.33	0.79	1	4371	No
SLU 27	-525	-9200	0	1	0	-0.28	2.33	0	2.61	0.78	1	4291	No
SLU 25	-22	-7495	0	1	0	-0.29	2.33	0	2.62	0.78	1	4290	No
SLU 25	-273.5	-11362	0	1	0	-0.29	2.33	0	2.33	0.79	1	4371	No
SLU 25	-525	-9185	0	1	0	-0.29	2.33	0	2.62	0.78	1	4290	No
SLU 23	-22	-7403	0	1	0	-0.29	2.33	0	2.62	0.78	1	4289	No
SLU 23	-273.5	-11294	0	1	0	-0.29	2.33	0	2.33	0.79	1	4371	No
SLU 23	-525	-9141	0	1	0	-0.29	2.33	0	2.62	0.78	1	4289	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 29	-470	-13284	-1	19187	5.93	5.93	37.32	0.84	1882		2104.38	Si
SLU 29	-220	-11494	-4	27604	5.13	5.13	37.32	0.73	1643		413.25	Si
SLU 16	-470	-10445	-1	15300	4.66	4.66	37.32	0.67	1503		2081.39	Si
SLU 16	-220	-9088	-3	21423	4.06	4.06	37.32	0.59	1322		421.48	Si
SLU 18	-470	-10469	-1	15333	4.68	4.68	37.32	0.67	1506		2079.35	Si
SLU 18	-220	-9115	-3	21386	4.07	4.07	37.32	0.59	1326		422.76	Si
SLU 3	-470	-10335	-1	15081	4.62	4.62	37.32	0.66	1489		2134.31	Si
SLU 3	-220	-8950	-3	21713	4	4	37.32	0.58	1304		416.37	Si
SLU 2	-470	-10312	-1	15048	4.61	4.61	37.32	0.66	1485		2136.61	Si
SLU 2	-220	-8923	-3	21750	3.98	3.98	37.32	0.58	1300		415.08	Si
SLU 20	-470	-12866	-1	17787	5.75	5.75	37.32	0.82	1826		2234.47	Si
SLU 20	-220	-11053	-4	26566	4.94	4.94	37.32	0.71	1584		427.01	Si
SLU 12	-470	-10754	-1	16480	4.8	4.8	37.32	0.69	1544		1994.07	Si
SLU 12	-220	-9391	-3	22752	4.19	4.19	37.32	0.61	1363		401.1	Si
SLU 30	-470	-13307	-1	19220	5.94	5.94	37.32	0.84	1885		2102.67	Si
SLU 30	-220	-11521	-4	27567	5.15	5.15	37.32	0.74	1647		414.27	Si
SLU 14	-470	-10381	-1	15218	4.64	4.64	37.32	0.67	1495		2086.15	Si
SLU 14	-220	-9022	-3	21361	4.03	4.03	37.32	0.59	1314		420.3	Si
SLU 11	-470	-10730	-1	16447	4.79	4.79	37.32	0.69	1541		1995.74	Si
SLU 11	-220	-9364	-3	22789	4.18	4.18	37.32	0.61	1359		399.92	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.11 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 7	3	0.36	0	-9097	14008	0	0	No
SLV 5	3	0.36	0	-9334	14008	0	0	No
SLV 3	3	0.36	0	-10371	14008	0	0	No
SLV 2	3	0.36	0	-10442	14008	0	0	No
SLV 8	3	0.36	0	-9097	14008	0	0	No
SLV 4	3	0.36	0	-10371	14008	0	0	No
SLV 6	3	0.36	0	-9334	14008	0	0	No
SLV 9	3	0.36	0	-8313	14008	0	0	No
SLV 10	3	0.36	0	-8313	14008	0	0	No
SLV 1	3	0.36	0	-10442	14008	0	0	No

Maschio 11

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2401	1204.6	2823.7	1204.6	L1	L3	422.7	60	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-52804	0	1	0	-1.68	2.33	0	4.01	0.71	1	44150	No
SLU 30	-273.5	-71482	0	1	0	-1.68	2.33	0	2.33	0.79	1	49504	No
SLU 30	-525	-79626	0	1	0	-1.68	2.33	0	4.01	0.71	1	44150	No
SLU 29	-22	-52628	0	1	0	-1.69	2.33	0	4.02	0.7	1	44132	No
SLU 29	-273.5	-71276	0	1	0	-1.69	2.33	0	2.33	0.79	1	49504	No
SLU 29	-525	-79431	0	1	0	-1.69	2.33	0	4.02	0.7	1	44132	No
SLU 36	-22	-51519	0	1	0	-1.52	2.33	0	3.85	0.71	1	44644	No
SLU 36	-273.5	-70030	0	1	0	-1.52	2.33	0	2.33	0.79	1	49504	No
SLU 36	-525	-78445	0	1	0	-1.52	2.33	0	3.85	0.71	1	44644	No
SLU 34	-22	-51342	0	1	0	-1.53	2.33	0	3.86	0.71	1	44628	No
SLU 34	-273.5	-69825	0	1	0	-1.53	2.33	0	2.33	0.79	1	49504	No
SLU 34	-525	-78249	0	1	0	-1.53	2.33	0	3.86	0.71	1	44628	No
SLU 21	-22	-50525	0	1	0	-1.7	2.33	0	4.03	0.7	1	44096	No
SLU 21	-273.5	-68763	0	1	0	-1.7	2.33	0	2.33	0.79	1	49504	No
SLU 21	-525	-77048	0	1	0	-1.7	2.33	0	4.03	0.7	1	44096	No
SLU 32	-22	-50827	0	1	0	-1.55	2.33	0	3.88	0.71	1	44578	No
SLU 32	-273.5	-69361	0	1	0	-1.55	2.33	0	2.33	0.79	1	49504	No
SLU 32	-525	-77801	0	1	0	-1.55	2.33	0	3.88	0.71	1	44578	No
SLU 20	-22	-50349	0	1	0	-1.7	2.33	0	4.03	0.7	1	44077	No
SLU 20	-273.5	-68558	0	1	0	-1.7	2.33	0	2.33	0.79	1	49504	No
SLU 20	-525	-76853	0	1	0	-1.7	2.33	0	4.03	0.7	1	44077	No
SLU 27	-22	-49240	0	1	0	-1.53	2.33	0	3.86	0.71	1	44612	No
SLU 27	-273.5	-67312	0	1	0	-1.53	2.33	0	2.33	0.79	1	49504	No
SLU 27	-525	-75867	0	1	0	-1.53	2.33	0	3.86	0.71	1	44612	No
SLU 25	-22	-49064	0	1	0	-1.54	2.33	0	3.87	0.71	1	44594	No
SLU 25	-273.5	-67106	0	1	0	-1.54	2.33	0	2.33	0.79	1	49504	No
SLU 25	-525	-75671	0	1	0	-1.54	2.33	0	3.87	0.71	1	44594	No
SLU 23	-22	-48548	0	1	0	-1.56	2.33	0	3.89	0.71	1	44542	No
SLU 23	-273.5	-66643	0	1	0	-1.56	2.33	0	2.33	0.79	1	49504	No
SLU 23	-525	-75223	0	1	0	-1.56	2.33	0	3.89	0.71	1	44542	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 15	-470	-61960	-2214574	2.44	899941	0.406	No
SLV 15	-220	-41159	738941	1.62	3317387	4.489	Si
SLV 1	-470	-59627	-1772062	2.35	1308016	0.738	No
SLV 1	-220	-53925	-2099176	2.13	2159606	1.029	Si
SLV 9	-470	-70544	-1481640	2.78	0	0	No
SLV 9	-220	-46792	-1109755	1.85	2934145	2.644	Si
SLV 5	-470	-68292	-1444345	2.69	0	0	No
SLV 5	-220	-50430	-1819939	1.99	2579561	1.417	Si
SLV 2	-470	-59627	-1772062	2.35	1308016	0.738	No
SLV 2	-220	-53925	-2099176	2.13	2159606	1.029	Si
SLV 16	-470	-61960	-2214574	2.44	899941	0.406	No
SLV 16	-220	-41159	738941	1.62	3317387	4.489	Si
SLV 13	-470	-67135	-1896379	2.65	0	0	No
SLV 13	-220	-41801	268103	1.65	3283928	12.249	Si
SLV 10	-470	-70544	-1481640	2.78	0	0	No
SLV 10	-220	-46792	-1109755	1.85	2934145	2.644	Si
SLV 14	-470	-67135	-1896379	2.65	0	0	No
SLV 14	-220	-41801	268103	1.65	3283928	12.249	Si
SLV 6	-470	-68292	-1444345	2.69	0	0	No
SLV 6	-220	-50430	-1819939	1.99	2579561	1.417	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 1	-470	-57031	-15132	-1814717	2.25	2.25	422.68	0.35	8856		0.59	No
SLU 1	-220	-43644	-15096	-496174	1.72	1.72	422.68	0.28	7072		0.47	No
SLU 28	-470	-75989	-19628	-2449753	3	3	422.68	0.45	11384		0.58	No
SLU 28	-220	-58511	-19578	-700544	2.31	2.31	422.68	0.36	9054		0.46	No
SLU 24	-470	-74086	-19836	-2345476	2.92	2.92	422.68	0.44	11131		0.56	No
SLU 24	-220	-56680	-19791	-610540	2.23	2.23	422.68	0.35	8810		0.45	No
SLU 22	-470	-73600	-19768	-2326283	2.9	2.9	422.68	0.44	11066		0.56	No
SLU 22	-220	-56219	-19724	-606604	2.22	2.22	422.68	0.34	8748		0.44	No
SLU 35	-470	-77112	-19808	-2490593	3.04	3.04	422.68	0.45	11534		0.58	No
SLU 35	-220	-59583	-19755	-690297	2.35	2.35	422.68	0.36	9197		0.47	No
SLU 31	-470	-76414	-19703	-2464185	3.01	3.01	422.68	0.45	11441		0.58	No
SLU 31	-220	-58918	-19651	-691088	2.32	2.32	422.68	0.36	9108		0.46	No
SLU 19	-470	-73175	-19694	-2311851	2.89	2.89	422.68	0.43	11009		0.56	No
SLU 19	-220	-55812	-19650	-616060	2.2	2.2	422.68	0.34	8694		0.44	No
SLU 4	-470	-57456	-15206	-1829149	2.27	2.27	422.68	0.35	8913		0.59	No
SLU 4	-220	-44051	-15170	-486718	1.74	1.74	422.68	0.28	7126		0.47	No
SLU 33	-470	-76900	-19770	-2483377	3.03	3.03	422.68	0.45	11506		0.58	No
SLU 33	-220	-59380	-19718	-695025	2.34	2.34	422.68	0.36	9170		0.47	No
SLU 26	-470	-74299	-19873	-2352692	2.93	2.93	422.68	0.44	11159		0.56	No
SLU 26	-220	-56884	-19828	-605813	2.24	2.24	422.68	0.35	8837		0.45	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 13	-470	-67135	-28091	-1896379	2.65	2.65	422.68	0.5	12755		0.45	No
SLV 13	-220	-41801	-27974	268103	1.65	1.65	422.68	0.34	8532		0.31	No
SLV 12	-470	-53296	-19223	-2542290	2.1	2.1	422.68	0.41	10448		0.54	No
SLV 12	-220	-44655	-18847	459703	1.76	1.76	422.68	0.36	9008		0.48	No
SLV 15	-470	-61960	-28247	-2214574	2.44	2.44	422.68	0.47	11892		0.42	No
SLV 15	-220	-41159	-27959	738941	1.62	1.62	422.68	0.33	8425		0.3	No

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 11	-470	-53296	-19223	-2542290	2.1	2.1	422.68	0.41	10448		0.54	No
SLV 11	-220	-44655	-18847	459703	1.76	1.76	422.68	0.36	9008		0.48	No
SLV 9	-470	-70544	-18704	-1481640	2.78	2.78	422.68	0.53	13323		0.71	No
SLV 9	-220	-46792	-18898	-1109755	1.85	1.85	422.68	0.37	9364		0.5	No
SLD 15	-470	-61310	-20871	-2091101	2.42	2.42	422.68	0.74	18854		0.9	No
SLD 15	-220	-44716	-20722	-52327	1.76	1.76	422.68	0.57	14429		0.7	No
SLV 10	-470	-70544	-18704	-1481640	2.78	2.78	422.68	0.53	13323		0.71	No
SLV 10	-220	-46792	-18898	-1109755	1.85	1.85	422.68	0.37	9364		0.5	No
SLD 16	-470	-61310	-20871	-2091101	2.42	2.42	422.68	0.74	18854		0.9	No
SLD 16	-220	-44716	-20722	-52327	1.76	1.76	422.68	0.57	14429		0.7	No
SLV 16	-470	-61960	-28247	-2214574	2.44	2.44	422.68	0.47	11892		0.42	No
SLV 16	-220	-41159	-27959	738941	1.62	1.62	422.68	0.33	8425		0.3	No
SLV 14	-470	-67135	-28091	-1896379	2.65	2.65	422.68	0.5	12755		0.45	No
SLV 14	-220	-41801	-27974	268103	1.65	1.65	422.68	0.34	8532		0.31	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.11 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 1	3	0.36	51.4	-56997	158652	245074	1.54	Si
SLV 2	3	0.36	51.4	-56997	158652	245074	1.54	Si
SLV 6	3	0.36	50.56	-56065	158652	264639	1.67	Si
SLV 5	3	0.36	50.56	-56065	158652	264639	1.67	Si
SLV 4	3	0.36	49.61	-55014	158652	285739	1.8	Si
SLV 3	3	0.36	49.61	-55014	158652	285739	1.8	Si
SLV 9	3	0.36	48.05	-53282	158652	318352	2.01	Si
SLV 10	3	0.36	48.05	-53282	158652	318352	2.01	Si
SLV 8	3	0.36	44.6	-49454	158652	380838	2.4	Si
SLV 7	3	0.36	44.6	-49454	158652	380838	2.4	Si

Maschio 12

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2823.7	843.5	2243.7	843.5	L1	L3	580	55	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-110535	0	1	0	-1.42	2.33	0	3.75	0.69	1	54067	No
SLU 30	-273.5	-104205	0	1	0	-1.42	2.33	0	2.33	0.76	1	60252	No
SLU 30	-525	-101896	0	1	0	-1.42	2.33	0	3.75	0.69	1	54067	No
SLU 29	-22	-110518	0	1	0	-1.42	2.33	0	3.75	0.69	1	54066	No
SLU 29	-273.5	-104134	0	1	0	-1.42	2.33	0	2.33	0.76	1	60252	No
SLU 29	-525	-101753	0	1	0	-1.42	2.33	0	3.75	0.69	1	54066	No
SLU 21	-22	-108317	0	1	0	-1.38	2.33	0	3.71	0.69	1	54261	No
SLU 21	-273.5	-102031	0	1	0	-1.38	2.33	0	2.33	0.76	1	60252	No
SLU 21	-525	-99571	0	1	0	-1.38	2.33	0	3.71	0.69	1	54261	No
SLU 20	-22	-108300	0	1	0	-1.38	2.33	0	3.71	0.69	1	54260	No
SLU 20	-273.5	-101959	0	1	0	-1.38	2.33	0	2.33	0.76	1	60252	No
SLU 20	-525	-99428	0	1	0	-1.38	2.33	0	3.71	0.69	1	54260	No
SLU 36	-22	-107908	0	1	0	-1.3	2.33	0	3.63	0.69	1	54607	No
SLU 36	-273.5	-102235	0	1	0	-1.3	2.33	0	2.33	0.76	1	60252	No
SLU 36	-525	-100430	0	1	0	-1.3	2.33	0	3.63	0.69	1	54607	No
SLU 34	-22	-107891	0	1	0	-1.3	2.33	0	3.63	0.69	1	54606	No
SLU 34	-273.5	-102164	0	1	0	-1.3	2.33	0	2.33	0.76	1	60252	No
SLU 34	-525	-100288	0	1	0	-1.3	2.33	0	3.63	0.69	1	54606	No
SLU 32	-22	-107188	0	1	0	-1.31	2.33	0	3.64	0.69	1	54569	No
SLU 32	-273.5	-101566	0	1	0	-1.31	2.33	0	2.33	0.76	1	60252	No
SLU 32	-525	-99768	0	1	0	-1.31	2.33	0	3.64	0.69	1	54569	No
SLU 27	-22	-105690	0	1	0	-1.25	2.33	0	3.58	0.7	1	54817	No
SLU 27	-273.5	-100061	0	1	0	-1.25	2.33	0	2.33	0.76	1	60252	No
SLU 27	-525	-98106	0	1	0	-1.25	2.33	0	3.58	0.7	1	54817	No
SLU 25	-22	-105673	0	1	0	-1.25	2.33	0	3.58	0.7	1	54816	No
SLU 25	-273.5	-99989	0	1	0	-1.25	2.33	0	2.33	0.76	1	60252	No
SLU 25	-525	-97963	0	1	0	-1.25	2.33	0	3.58	0.7	1	54816	No
SLU 23	-22	-104970	0	1	0	-1.26	2.33	0	3.59	0.7	1	54780	No
SLU 23	-273.5	-99392	0	1	0	-1.26	2.33	0	2.33	0.76	1	60252	No
SLU 23	-525	-97444	0	1	0	-1.26	2.33	0	3.59	0.7	1	54780	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 3	-525	-71363	1025069	2.24	3048011	2.973	Si
SLV 3	-22	-89607	9506100	2.81	0	0	No
SLV 16	-525	-62092	-2413005	1.95	4646778	1.926	Si
SLV 16	-22	-60307	-19003285	0	0	0	No
SLV 4	-525	-71363	1025069	2.24	3048011	2.973	Si
SLV 4	-22	-89607	9506100	2.81	0	0	No
SLV 6	-525	-103825	-431565	3.25	0	0	No
SLV 6	-22	-102876	4842253	3.22	0	0	No
SLV 9	-525	-101044	-1462988	3.17	0	0	No
SLV 9	-22	-94086	-3710562	2.95	0	0	No
SLV 5	-525	-103825	-431565	3.25	0	0	No
SLV 5	-22	-102876	4842253	3.22	0	0	No
SLV 15	-525	-62092	-2413005	1.95	4646778	1.926	Si
SLV 15	-22	-60307	-19003285	0	0	0	No
SLV 2	-525	-87843	908158	2.75	0	0	No
SLV 2	-22	-100464	11958918	3.15	0	0	No
SLV 10	-525	-101044	-1462988	3.17	0	0	No
SLV 10	-22	-94086	-3710562	2.95	0	0	No

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 1	-525	-87843	908158	2.75	0	0	No
SLV 1	-22	-100464	11958918	3.15	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 31	-525	-94473	10781	-957221	2.96	2.96	580	0.44	14172		1.31	Si
SLU 31	-22	-99338	10755	-4497977	3.11	3.11	580	0.46	14820		1.38	Si
SLU 26	-525	-92810	10609	-946776	2.91	2.91	580	0.44	13950		1.31	Si
SLU 26	-22	-97841	10583	-4451918	3.07	3.07	580	0.46	14621		1.38	Si
SLU 19	-525	-91863	10509	-936151	2.88	2.88	580	0.43	13824		1.32	Si
SLU 19	-22	-97086	10484	-4399890	3.04	3.04	580	0.46	14520		1.39	Si
SLU 36	-525	-100430	11320	-1003972	3.15	3.15	580	0.47	14966		1.32	Si
SLU 36	-22	-107908	11292	-4695893	3.38	3.38	580	0.5	15963		1.41	Si
SLU 32	-525	-99768	11253	-997296	3.13	3.13	580	0.47	14878		1.32	Si
SLU 32	-22	-107188	11225	-4661824	3.36	3.36	580	0.5	15867		1.41	Si
SLU 35	-525	-95135	10848	-963897	2.98	2.98	580	0.45	14260		1.31	Si
SLU 35	-22	-100059	10821	-4532046	3.14	3.14	580	0.47	14916		1.38	Si
SLU 24	-525	-92668	10592	-944802	2.9	2.9	580	0.44	13931		1.32	Si
SLU 24	-22	-97824	10567	-4442938	3.07	3.07	580	0.46	14618		1.38	Si
SLU 28	-525	-94188	10748	-953273	2.95	2.95	580	0.44	14134		1.32	Si
SLU 28	-22	-99304	10722	-4480018	3.11	3.11	580	0.46	14816		1.38	Si
SLU 33	-525	-94992	10831	-961923	2.98	2.98	580	0.45	14241		1.31	Si
SLU 33	-22	-100042	10805	-4523067	3.14	3.14	580	0.47	14914		1.38	Si
SLU 22	-525	-92148	10542	-940100	2.89	2.89	580	0.43	13862		1.31	Si
SLU 22	-22	-97120	10517	-4417849	3.04	3.04	580	0.46	14525		1.38	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 13	-525	-78572	15532	-2529917	2.46	2.46	580	0.47	15064		0.97	No
SLV 13	-22	-71164	13646	-16550468	2.23	7.51	172.3	1.31	12446		0.91	No
SLV 14	-525	-78572	15532	-2529917	2.46	2.46	580	0.47	15064		0.97	No
SLV 14	-22	-71164	13646	-16550468	2.23	7.51	172.3	1.31	12446		0.91	No
SLV 15	-525	-62092	16500	-2413005	1.95	1.95	580	0.39	12318		0.75	No
SLV 15	-22	-60307	14311	-19003285	1.89	0	0	0.06	0		0	No
SLD 16	-525	-69271	12019	-1486907	2.17	2.17	580	0.68	21623		1.8	Si
SLD 16	-22	-71499	11048	-10373415	2.24	2.99	434.75	0.9	21428		1.94	Si
SLV 16	-525	-62092	16500	-2413005	1.95	1.95	580	0.39	12318		0.75	No
SLV 16	-22	-60307	14311	-19003285	1.89	0	0	0.06	0		0	No
SLD 15	-525	-69271	12019	-1486907	2.17	2.17	580	0.68	21623		1.8	Si
SLD 15	-22	-71499	11048	-10373415	2.24	2.99	434.75	0.9	21428		1.94	Si
SLV 7	-525	-48891	7839	-41860	1.53	1.53	580	0.32	10118		1.29	Si
SLV 7	-22	-66685	7917	-3333806	2.09	2.09	580	0.41	13083		1.65	Si
SLV 8	-525	-48891	7839	-41860	1.53	1.53	580	0.32	10118		1.29	Si
SLV 8	-22	-66685	7917	-3333806	2.09	2.09	580	0.41	13083		1.65	Si
SLV 11	-525	-46109	12358	-1073282	1.45	1.45	580	0.3	9654		0.78	No
SLV 11	-22	-57895	11226	-11886621	1.81	4.14	254.06	0.75	10512		0.94	No
SLV 12	-525	-46109	12358	-1073282	1.45	1.45	580	0.3	9654		0.78	No
SLV 12	-22	-57895	11226	-11886621	1.81	4.14	254.06	0.75	10512		0.94	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 6	3	0.36	0	-108265	199560	0	0	No
SLV 2	3	0.36	0	-96018	199560	0	0	No
SLV 1	3	0.36	0	-96018	199560	0	0	No
SLV 9	3	0.36	0	-101581	199560	0	0	No
SLV 5	3	0.36	0	-108265	199560	0	0	No
SLV 10	3	0.36	0	-101581	199560	0	0	No
SLV 4	3	0.36	51.81	-78838	199560	125659	0.63	No
SLV 3	3	0.36	51.81	-78838	199560	125659	0.63	No
SLV 14	3	0.36	48.46	-73740	199560	241060	1.21	Si
SLV 13	3	0.36	48.46	-73740	199560	241060	1.21	Si

Maschio 13

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3004.7	3201	2291.2	3201	L1	L3	713.5	50	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-80914	0	1	0	-1.29	2.33	0	3.62	0.66	1	57831	No
SLU 30	-273.5	-95921	0	1	0	-1.29	2.33	0	2.33	0.73	1	64691	No
SLU 30	-525	-105357	0	1	0	-1.29	2.33	0	3.62	0.66	1	57831	No
SLU 29	-22	-80374	0	1	0	-1.3	2.33	0	3.63	0.66	1	57785	No
SLU 29	-273.5	-95402	0	1	0	-1.3	2.33	0	2.33	0.73	1	64691	No
SLU 29	-525	-104904	0	1	0	-1.3	2.33	0	3.63	0.66	1	57785	No
SLU 36	-22	-79320	0	1	0	-1.2	2.33	0	3.53	0.66	1	58340	No
SLU 36	-273.5	-94462	0	1	0	-1.2	2.33	0	2.33	0.73	1	64691	No
SLU 36	-525	-103967	0	1	0	-1.2	2.33	0	3.53	0.66	1	58340	No
SLU 34	-22	-78780	0	1	0	-1.2	2.33	0	3.53	0.66	1	58296	No
SLU 34	-273.5	-93943	0	1	0	-1.2	2.33	0	2.33	0.73	1	64691	No
SLU 34	-525	-103515	0	1	0	-1.2	2.33	0	3.53	0.66	1	58296	No
SLU 32	-22	-77976	0	1	0	-1.22	2.33	0	3.55	0.66	1	58230	No
SLU 32	-273.5	-93201	0	1	0	-1.22	2.33	0	2.33	0.73	1	64691	No
SLU 32	-525	-102867	0	1	0	-1.22	2.33	0	3.55	0.66	1	58230	No

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 21	-22	-75429	0	1	0	-1.27	2.33	0	3.6	0.66	1	57957	No
SLU 21	-273.5	-90596	0	1	0	-1.27	2.33	0	2.33	0.73	1	64691	No
SLU 21	-525	-100468	0	1	0	-1.27	2.33	0	3.6	0.66	1	57957	No
SLU 20	-22	-74889	0	1	0	-1.28	2.33	0	3.61	0.66	1	57909	No
SLU 20	-273.5	-90076	0	1	0	-1.28	2.33	0	2.33	0.73	1	64691	No
SLU 20	-525	-100015	0	1	0	-1.28	2.33	0	3.61	0.66	1	57909	No
SLU 27	-22	-73835	0	1	0	-1.16	2.33	0	3.49	0.66	1	58506	No
SLU 27	-273.5	-89137	0	1	0	-1.16	2.33	0	2.33	0.73	1	64691	No
SLU 27	-525	-99078	0	1	0	-1.16	2.33	0	3.49	0.66	1	58506	No
SLU 25	-22	-73295	0	1	0	-1.17	2.33	0	3.5	0.66	1	58461	No
SLU 25	-273.5	-88618	0	1	0	-1.17	2.33	0	2.33	0.73	1	64691	No
SLU 25	-525	-98625	0	1	0	-1.17	2.33	0	3.5	0.66	1	58461	No
SLU 23	-22	-72491	0	1	0	-1.19	2.33	0	3.52	0.66	1	58392	No
SLU 23	-273.5	-87876	0	1	0	-1.19	2.33	0	2.33	0.73	1	64691	No
SLU 23	-525	-97978	0	1	0	-1.19	2.33	0	3.52	0.66	1	58392	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 2	-525	-66915	3232984	1.88	6804606	2.105	Si
SLV 2	-22	-46276	-307740	1.3	8346364	27.121	Si
SLV 8	-525	-84975	2534816	2.38	2791456	1.101	Si
SLV 8	-22	-58064	-4091134	1.63	7863486	1.922	Si
SLV 1	-525	-66915	3232984	1.88	6804606	2.105	Si
SLV 1	-22	-46276	-307740	1.3	8346364	27.121	Si
SLV 11	-525	-88494	1216371	2.48	1719936	1.414	Si
SLV 11	-22	-63319	-3410180	1.77	7306782	2.143	Si
SLV 3	-525	-73355	3620685	2.06	5658731	1.563	Si
SLV 3	-22	-48886	-2420590	1.37	8330749	3.442	Si
SLV 12	-525	-88494	1216371	2.48	1719936	1.414	Si
SLV 12	-22	-63319	-3410180	1.77	7306782	2.143	Si
SLV 4	-525	-73355	3620685	2.06	5658731	1.563	Si
SLV 4	-22	-48886	-2420590	1.37	8330749	3.442	Si
SLV 9	-525	-67026	-75964	1.88	6787464	89.351	Si
SLV 9	-22	-54616	3632653	1.53	8114307	2.234	Si
SLV 10	-525	-67026	-75964	1.88	6787464	89.351	Si
SLV 10	-22	-54616	3632653	1.53	8114307	2.234	Si
SLV 7	-525	-84975	2534816	2.38	2791456	1.101	Si
SLV 7	-22	-58064	-4091134	1.63	7863486	1.922	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 28	-525	-95098	30814	1541768	2.67	2.67	713.51	0.4	14441		0.47	No
SLU 28	-22	-68781	22641	-532352	1.93	1.93	713.51	0.31	10933		0.48	No
SLU 35	-525	-97102	31657	1562877	2.72	2.72	713.51	0.41	14709		0.46	No
SLU 35	-22	-71205	23280	-545246	2	2	713.51	0.32	11256		0.48	No
SLU 31	-525	-96003	31217	1550081	2.69	2.69	713.51	0.41	14562		0.47	No
SLU 31	-22	-69861	22950	-547201	1.96	1.96	713.51	0.31	11077		0.48	No
SLU 25	-525	-98625	31310	1588118	2.76	2.76	713.51	0.42	14912		0.48	No
SLU 25	-22	-73295	22871	-271084	2.05	2.05	713.51	0.32	11534		0.5	No
SLU 33	-525	-96650	31456	1558721	2.71	2.71	713.51	0.41	14648		0.47	No
SLU 33	-22	-70665	23125	-537822	1.98	1.98	713.51	0.31	11184		0.48	No
SLU 27	-525	-99078	31511	1592274	2.78	2.78	713.51	0.42	14972		0.48	No
SLU 27	-22	-73835	23025	-278508	2.07	2.07	713.51	0.33	11606		0.5	No
SLU 24	-525	-91761	30294	1482930	2.57	2.57	713.51	0.39	13997		0.46	No
SLU 24	-22	-65180	22409	-616990	1.83	1.83	713.51	0.29	10452		0.47	No
SLU 22	-525	-91114	30055	1474290	2.55	2.55	713.51	0.39	13910		0.46	No
SLU 22	-22	-64376	22234	-626369	1.8	1.8	713.51	0.29	10345		0.47	No
SLU 26	-525	-92213	30496	1487086	2.58	2.58	713.51	0.39	14057		0.46	No
SLU 26	-22	-65720	22564	-624414	1.84	1.84	713.51	0.3	10524		0.47	No
SLU 19	-525	-90209	29653	1465978	2.53	2.53	713.51	0.39	13790		0.47	No
SLU 19	-22	-63296	21924	-611521	1.77	1.77	713.51	0.29	10201		0.47	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 5	-525	-63507	27364	1242481	1.78	1.78	713.51	0.36	12787		0.47	No
SLV 5	-22	-49361	27714	2951698	1.38	1.38	713.51	0.29	10429		0.38	No
SLV 13	-525	-78646	123	-1161833	2.2	2.2	713.51	0.43	15310		124.18	Si
SLV 13	-22	-63794	-31611	1962108	1.79	1.79	713.51	0.36	12834		0.41	No
SLV 1	-525	-66915	45822	3232984	1.88	1.88	713.51	0.37	13355		0.29	No
SLV 1	-22	-46276	64151	-307740	1.3	1.3	713.51	0.28	9915		0.15	No
SLV 4	-525	-73355	47933	3620685	2.06	2.06	713.51	0.4	14428		0.3	No
SLV 4	-22	-48886	66655	-2420590	1.37	1.37	713.51	0.29	10350		0.16	No
SLV 6	-525	-63507	27364	1242481	1.78	1.78	713.51	0.36	12787		0.47	No
SLV 6	-22	-49361	27714	2951698	1.38	1.38	713.51	0.29	10429		0.38	No
SLV 2	-525	-66915	45822	3232984	1.88	1.88	713.51	0.37	13355		0.29	No
SLV 2	-22	-46276	64151	-307740	1.3	1.3	713.51	0.28	9915		0.15	No
SLV 7	-525	-84975	34402	2534816	2.38	2.38	713.51	0.46	16365		0.48	No
SLV 7	-22	-58064	36059	-4091134	1.63	1.63	713.51	0.33	11879		0.33	No
SLV 14	-525	-78646	123	-1161833	2.2	2.2	713.51	0.43	15310		124.18	Si
SLV 14	-22	-63794	-31611	1962108	1.79	1.79	713.51	0.36	12834		0.41	No
SLV 3	-525	-73355	47933	3620685	2.06	2.06	713.51	0.4	14428		0.3	No
SLV 3	-22	-48886	66655	-2420590	1.37	1.37	713.51	0.29	10350		0.16	No
SLV 8	-525	-84975	34402	2534816	2.38	2.38	713.51	0.46	16365		0.48	No
SLV 8	-22	-58064	36059	-4091134	1.63	1.63	713.51	0.33	11879		0.33	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 11	3	0.36	45.23	-84659	223178	202019	0.91	No
SLV 12	3	0.36	45.23	-84659	223178	202019	0.91	No
SLV 15	3	0.36	43.58	-81568	223178	261999	1.17	Si
SLV 16	3	0.36	43.58	-81568	223178	261999	1.17	Si
SLV 8	3	0.36	42.27	-79114	223178	305967	1.37	Si
SLV 7	3	0.36	42.27	-79114	223178	305967	1.37	Si
SLV 13	3	0.36	39.2	-73373	223178	396287	1.78	Si
SLV 14	3	0.36	39.2	-73373	223178	396287	1.78	Si
SLV 4	3	0.36	33.7	-63085	223178	514088	2.3	Si
SLV 3	3	0.36	33.7	-63085	223178	514088	2.3	Si

Maschio 14

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2771.1	3828.5	2291.2	3828.5	L1	L3	479.9	65	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-45952	0	1	0	1.58	2.33	0	3.91	0.74	1	56820	Si
SLU 30	-273.5	-66411	0	1	0	1.58	2.33	0	2.33	0.81	1	62559	No
SLU 30	-525	-72705	0	1	0	1.58	2.33	0	3.91	0.74	1	56820	No
SLU 29	-22	-45632	0	1	0	1.59	2.33	0	3.92	0.74	1	56780	Si
SLU 29	-273.5	-66095	0	1	0	1.59	2.33	0	2.33	0.81	1	62559	No
SLU 29	-525	-72400	0	1	0	1.59	2.33	0	3.92	0.74	1	56780	No
SLU 36	-22	-44940	0	1	0	1.48	2.33	0	3.81	0.74	1	57194	Si
SLU 36	-273.5	-65152	0	1	0	1.48	2.33	0	2.33	0.81	1	62559	No
SLU 36	-525	-71697	0	1	0	1.48	2.33	0	3.81	0.74	1	57194	No
SLU 34	-22	-44620	0	1	0	1.49	2.33	0	3.82	0.74	1	57156	Si
SLU 34	-273.5	-64837	0	1	0	1.49	2.33	0	2.33	0.81	1	62559	No
SLU 34	-525	-71392	0	1	0	1.49	2.33	0	3.82	0.74	1	57156	No
SLU 32	-22	-44171	0	1	0	1.5	2.33	0	3.83	0.74	1	57101	Si
SLU 32	-273.5	-64427	0	1	0	1.5	2.33	0	2.33	0.81	1	62559	No
SLU 32	-525	-71046	0	1	0	1.5	2.33	0	3.83	0.74	1	57101	No
SLU 21	-22	-42640	0	1	0	1.52	2.33	0	3.85	0.74	1	57034	Si
SLU 21	-273.5	-62838	0	1	0	1.52	2.33	0	2.33	0.81	1	62559	No
SLU 21	-525	-69507	0	1	0	1.52	2.33	0	3.85	0.74	1	57034	No
SLU 20	-22	-42320	0	1	0	1.53	2.33	0	3.86	0.74	1	56993	Si
SLU 20	-273.5	-62523	0	1	0	1.53	2.33	0	2.33	0.81	1	62559	Si
SLU 20	-525	-69202	0	1	0	1.53	2.33	0	3.86	0.74	1	56993	No
SLU 27	-22	-41628	0	1	0	1.41	2.33	0	3.74	0.75	1	57444	Si
SLU 27	-273.5	-61580	0	1	0	1.41	2.33	0	2.33	0.81	1	62559	Si
SLU 27	-525	-68499	0	1	0	1.41	2.33	0	3.74	0.75	1	57444	No
SLU 25	-22	-41309	0	1	0	1.42	2.33	0	3.75	0.75	1	57404	Si
SLU 25	-273.5	-61265	0	1	0	1.42	2.33	0	2.33	0.81	1	62559	Si
SLU 25	-525	-68194	0	1	0	1.42	2.33	0	3.75	0.75	1	57404	No
SLU 23	-22	-40859	0	1	0	1.43	2.33	0	3.76	0.74	1	57348	Si
SLU 23	-273.5	-60855	0	1	0	1.43	2.33	0	2.33	0.81	1	62559	Si
SLU 23	-525	-67849	0	1	0	1.43	2.33	0	3.76	0.74	1	57348	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 13	-470	-56094	-2702279	1.8	4232594	1.566	Si
SLV 13	-220	-46727	-1656330	1.5	4809150	2.903	Si
SLV 2	-470	-42921	496143	1.38	4896421	9.869	Si
SLV 2	-220	-40308	-3551545	1.29	4907151	1.382	Si
SLV 6	-470	-41344	-530542	1.33	4907687	9.25	Si
SLV 6	-220	-40464	-3134686	1.3	4907636	1.566	Si
SLV 16	-470	-61397	-2781790	1.97	3678002	1.322	Si
SLV 16	-220	-48518	-1445074	1.56	4738673	3.279	Si
SLV 4	-470	-48224	416632	1.55	4751532	11.405	Si
SLV 4	-220	-42099	-3340288	1.35	4904110	1.468	Si
SLV 3	-470	-48224	416632	1.55	4751532	11.405	Si
SLV 3	-220	-42099	-3340288	1.35	4904110	1.468	Si
SLV 5	-470	-41344	-530542	1.33	4907687	9.25	Si
SLV 5	-220	-40464	-3134686	1.3	4907636	1.566	Si
SLV 14	-470	-56094	-2702279	1.8	4232594	1.566	Si
SLV 14	-220	-46727	-1656330	1.5	4809150	2.903	Si
SLV 15	-470	-61397	-2781790	1.97	3678002	1.322	Si
SLV 15	-220	-48518	-1445074	1.56	4738673	3.279	Si
SLV 1	-470	-42921	496143	1.38	4896421	9.869	Si
SLV 1	-220	-40308	-3551545	1.29	4907151	1.382	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 19	-470	-61812	24075	-1281751	1.98	1.98	479.86	0.31	9782		0.41	No
SLU 19	-220	-51128	28977	-2867838	1.64	1.64	479.86	0.27	8357		0.29	No
SLU 25	-470	-67633	26256	-1465511	2.17	2.17	479.86	0.34	10558		0.4	No
SLU 25	-220	-57614	31639	-3242456	1.85	1.85	479.86	0.3	9222		0.29	No
SLU 22	-470	-62407	24338	-1274076	2	2	479.86	0.32	9861		0.41	No
SLU 22	-220	-51765	29259	-2907724	1.66	1.66	479.86	0.27	8442		0.29	No
SLU 28	-470	-65118	25406	-1361359	2.09	2.09	479.86	0.33	10223		0.4	No
SLU 28	-220	-54738	30557	-3079880	1.75	1.75	479.86	0.28	8839		0.29	No
SLU 24	-470	-62742	24576	-1267550	2.01	2.01	479.86	0.32	9906		0.4	No
SLU 24	-220	-52188	29525	-2934853	1.67	1.67	479.86	0.27	8499		0.29	No
SLU 26	-470	-63040	24708	-1263712	2.02	2.02	479.86	0.32	9946		0.4	No
SLU 26	-220	-52507	29667	-2954796	1.68	1.68	479.86	0.27	8541		0.29	No
SLU 31	-470	-65713	25670	-1353684	2.11	2.11	479.86	0.33	10302		0.4	No
SLU 31	-220	-55375	30840	-3119766	1.78	1.78	479.86	0.29	8924		0.29	No
SLU 33	-470	-66048	25907	-1347158	2.12	2.12	479.86	0.33	10347		0.4	No
SLU 33	-220	-55798	31106	-3146894	1.79	1.79	479.86	0.29	8980		0.29	No
SLU 35	-470	-66346	26039	-1343321	2.13	2.13	479.86	0.33	10386		0.4	No
SLU 35	-220	-56116	31247	-3166837	1.8	1.8	479.86	0.29	9022		0.29	No
SLU 27	-470	-67931	26388	-1461673	2.18	2.18	479.86	0.34	10598		0.4	No
SLU 27	-220	-57932	31780	-3262399	1.86	1.86	479.86	0.3	9265		0.29	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 1.5 (SLD), γM = 2.4 (SLV)

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLD 2	-470	-48071	32689	-417596	1.54	1.54	479.86	0.51	15900		0.49	No
SLD 2	-220	-42596	38391	-2964372	1.37	1.37	479.86	0.46	14440		0.38	No
SLV 3	-470	-48224	38365	416632	1.55	1.55	479.86	0.32	9963		0.26	No
SLV 3	-220	-42099	45015	-3340288	1.35	1.35	479.86	0.29	8942		0.2	No
SLV 9	-470	-45296	29999	-1490068	1.45	1.45	479.86	0.3	9475		0.32	No
SLV 9	-220	-42390	34923	-2566121	1.36	1.36	479.86	0.29	8990		0.26	No
SLD 1	-470	-48071	32689	-417596	1.54	1.54	479.86	0.51	15900		0.49	No
SLD 1	-220	-42596	38391	-2964372	1.37	1.37	479.86	0.46	14440		0.38	No
SLV 4	-470	-48224	38365	416632	1.55	1.55	479.86	0.32	9963		0.26	No
SLV 4	-220	-42099	45015	-3340288	1.35	1.35	479.86	0.29	8942		0.2	No
SLV 10	-470	-45296	29999	-1490068	1.45	1.45	479.86	0.3	9475		0.32	No
SLV 10	-220	-42390	34923	-2566121	1.36	1.36	479.86	0.29	8990		0.26	No
SLV 5	-470	-41344	43905	-530542	1.33	1.33	479.86	0.28	8816		0.2	No
SLV 5	-220	-40464	50626	-3134686	1.3	1.3	479.86	0.28	8669		0.17	No
SLV 1	-470	-42921	48409	496143	1.38	1.38	479.86	0.29	9079		0.19	No
SLV 1	-220	-40308	56060	-3551545	1.29	1.36	455.46	0.29	8545		0.15	No
SLV 6	-470	-41344	43905	-530542	1.33	1.33	479.86	0.28	8816		0.2	No
SLV 6	-220	-40464	50626	-3134686	1.3	1.3	479.86	0.28	8669		0.17	No
SLV 2	-470	-42921	48409	496143	1.38	1.38	479.86	0.29	9079		0.19	No
SLV 2	-220	-40308	56060	-3551545	1.29	1.36	455.46	0.29	8545		0.15	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.12 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 12	3	0.36	41.52	-52269	195123	613640	3.14	Si
SLV 11	3	0.36	41.52	-52269	195123	613640	3.14	Si
SLV 15	3	0.36	41.14	-51794	195123	617832	3.17	Si
SLV 16	3	0.36	41.14	-51794	195123	617832	3.17	Si
SLV 7	3	0.36	39.92	-50256	195123	630191	3.23	Si
SLV 8	3	0.36	39.92	-50256	195123	630191	3.23	Si
SLV 13	3	0.36	39.22	-49374	195123	636424	3.26	Si
SLV 14	3	0.36	39.22	-49374	195123	636424	3.26	Si
SLV 3	3	0.36	35.81	-45083	195123	657948	3.37	Si
SLV 4	3	0.36	35.81	-45083	195123	657948	3.37	Si

Maschio 15

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3003.7	3828.5	2901.1	3828.5	L1	L3	102.6	65	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 29	-22	-6812	0	1	0	2.25	2.33	0	4.58	0.71	1	11626	Si
SLU 29	-273.5	-8125	0	1	0	2.25	2.33	0	2.33	0.81	1	13375	Si
SLU 29	-525	-10628	0	1	0	2.25	2.33	0	4.58	0.71	1	11626	Si
SLU 30	-22	-6857	0	1	0	2.24	2.33	0	4.57	0.71	1	11637	Si
SLU 30	-273.5	-8136	0	1	0	2.24	2.33	0	2.33	0.81	1	13375	Si
SLU 30	-525	-10636	0	1	0	2.24	2.33	0	4.57	0.71	1	11637	Si
SLU 32	-22	-6598	0	1	0	2.12	2.33	0	4.45	0.71	1	11724	Si
SLU 32	-273.5	-7904	0	1	0	2.12	2.33	0	2.33	0.81	1	13375	Si
SLU 32	-525	-10456	0	1	0	2.12	2.33	0	4.45	0.71	1	11724	Si
SLU 34	-22	-6711	0	1	0	2.09	2.33	0	4.42	0.71	1	11752	Si
SLU 34	-273.5	-7919	0	1	0	2.09	2.33	0	2.33	0.81	1	13375	Si
SLU 34	-525	-10468	0	1	0	2.09	2.33	0	4.42	0.71	1	11752	Si
SLU 36	-22	-6756	0	1	0	2.07	2.33	0	4.4	0.71	1	11763	Si
SLU 36	-273.5	-7930	0	1	0	2.07	2.33	0	2.33	0.81	1	13375	Si
SLU 36	-525	-10476	0	1	0	2.07	2.33	0	4.4	0.71	1	11763	Si
SLU 20	-22	-6271	0	1	0	2.18	2.33	0	4.51	0.71	1	11678	Si
SLU 20	-273.5	-7808	0	1	0	2.18	2.33	0	2.33	0.81	1	13375	Si
SLU 20	-525	-10377	0	1	0	2.18	2.33	0	4.51	0.71	1	11678	Si
SLU 21	-22	-6316	0	1	0	2.17	2.33	0	4.5	0.71	1	11690	Si
SLU 21	-273.5	-7819	0	1	0	2.17	2.33	0	2.33	0.81	1	13375	Si
SLU 21	-525	-10385	0	1	0	2.17	2.33	0	4.5	0.71	1	11690	Si
SLU 23	-22	-6058	0	1	0	2.04	2.33	0	4.37	0.72	1	11787	Si
SLU 23	-273.5	-7587	0	1	0	2.04	2.33	0	2.33	0.81	1	13375	Si
SLU 23	-525	-10205	0	1	0	2.04	2.33	0	4.37	0.72	1	11787	Si
SLU 25	-22	-6171	0	1	0	2.01	2.33	0	4.34	0.72	1	11816	Si
SLU 25	-273.5	-7602	0	1	0	2.01	2.33	0	2.33	0.81	1	13375	Si
SLU 25	-525	-10217	0	1	0	2.01	2.33	0	4.34	0.72	1	11816	Si
SLU 27	-22	-6216	0	1	0	1.99	2.33	0	4.32	0.72	1	11827	Si
SLU 27	-273.5	-7613	0	1	0	1.99	2.33	0	2.33	0.81	1	13375	Si
SLU 27	-525	-10225	0	1	0	1.99	2.33	0	4.32	0.72	1	11827	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 35	-470	-10212	35	-1928	1.53	1.53	102.59	0.25	1691		48.1	Si
SLU 35	-220	-6171	32	-8070	0.93	0.93	102.59	0.17	1152		36.23	Si
SLU 26	-470	-9897	34	-1471	1.48	1.48	102.59	0.25	1649		49.19	Si
SLU 26	-220	-5854	32	-7455	0.88	0.88	102.59	0.17	1110		34.28	Si
SLU 28	-470	-10168	34	877	1.52	1.52	102.59	0.25	1685		49.82	Si
SLU 28	-220	-6123	29	-4984	0.92	0.92	102.59	0.17	1146		38.96	Si
SLU 19	-470	-9853	32	1333	1.48	1.48	102.59	0.25	1643		51.04	Si

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 19	-220	-5807	30	-4370	0.87	0.87	102.59	0.17	1104		36.81	Si
SLU 33	-470	-10202	35	-1406	1.53	1.53	102.59	0.25	1690		48.44	Si
SLU 33	-220	-6160	31	-7533	0.92	0.92	102.59	0.17	1151		36.69	Si
SLU 22	-470	-9874	33	289	1.48	1.48	102.59	0.25	1646		50.27	Si
SLU 22	-220	-5828	31	-5443	0.87	0.87	102.59	0.17	1106		35.86	Si
SLU 31	-470	-10189	34	-167	1.53	1.53	102.59	0.25	1688		49.1	Si
SLU 31	-220	-6144	30	-6057	0.92	0.92	102.59	0.17	1149		37.94	Si
SLU 6	-470	-7696	26	-1377	1.15	1.15	102.59	0.2	1355		51.65	Si
SLU 6	-220	-4587	25	-6073	0.69	0.69	102.59	0.14	941		37.84	Si
SLU 24	-470	-9887	33	-949	1.48	1.48	102.59	0.25	1648		49.56	Si
SLU 24	-220	-5844	32	-6919	0.88	0.88	102.59	0.17	1109		34.71	Si
SLU 8	-470	-7707	27	-1899	1.16	1.16	102.59	0.2	1357		51.16	Si
SLU 8	-220	-4598	25	-6609	0.69	0.69	102.59	0.14	942		37.24	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.12 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 2	3	0.36	16.39	-4411	41717	107212	2.57	Si
SLV 1	3	0.36	16.39	-4411	41717	107212	2.57	Si
SLV 4	3	0.36	17.56	-4725	41717	112087	2.69	Si
SLV 3	3	0.36	17.56	-4725	41717	112087	2.69	Si
SLV 6	3	0.36	18.45	-4965	41717	115566	2.77	Si
SLV 5	3	0.36	18.45	-4965	41717	115566	2.77	Si
SLV 10	3	0.36	21.38	-5754	41717	125495	3.01	Si
SLV 9	3	0.36	21.38	-5754	41717	125495	3.01	Si
SLV 7	3	0.36	22.34	-6011	41717	128239	3.07	Si
SLV 8	3	0.36	22.34	-6011	41717	128239	3.07	Si

Maschio 16

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2698.2	4301.8	2699.2	3828.5	L1	L3	473.3	65	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-76603	0	1	0	-0.62	2.33	0	2.95	0.78	1	59501	No
SLU 30	-273.5	-83410	0	1	0	-0.62	2.33	0	2.33	0.81	1	61708	No
SLU 30	-525	-90036	0	1	0	-0.62	2.33	0	2.95	0.78	1	59501	No
SLU 29	-22	-76214	0	1	0	-0.62	2.33	0	2.95	0.78	1	59490	No
SLU 29	-273.5	-83090	0	1	0	-0.62	2.33	0	2.33	0.81	1	61708	No
SLU 29	-525	-89750	0	1	0	-0.62	2.33	0	2.95	0.78	1	59490	No
SLU 36	-22	-74185	0	1	0	-0.59	2.33	0	2.92	0.78	1	59603	No
SLU 36	-273.5	-81266	0	1	0	-0.59	2.33	0	2.33	0.81	1	61708	No
SLU 36	-525	-88228	0	1	0	-0.59	2.33	0	2.92	0.78	1	59603	No
SLU 34	-22	-73796	0	1	0	-0.59	2.33	0	2.92	0.78	1	59592	No
SLU 34	-273.5	-80946	0	1	0	-0.59	2.33	0	2.33	0.81	1	61708	No
SLU 34	-525	-87941	0	1	0	-0.59	2.33	0	2.92	0.78	1	59592	No
SLU 32	-22	-73241	0	1	0	-0.59	2.33	0	2.92	0.78	1	59576	No
SLU 32	-273.5	-80511	0	1	0	-0.59	2.33	0	2.33	0.81	1	61708	No
SLU 32	-525	-87557	0	1	0	-0.59	2.33	0	2.92	0.78	1	59576	No
SLU 21	-22	-70893	0	1	0	-0.6	2.33	0	2.93	0.78	1	59550	No
SLU 21	-273.5	-78592	0	1	0	-0.6	2.33	0	2.33	0.81	1	61708	No
SLU 21	-525	-85906	0	1	0	-0.6	2.33	0	2.93	0.78	1	59550	No
SLU 20	-22	-70503	0	1	0	-0.61	2.33	0	2.94	0.78	1	59538	No
SLU 20	-273.5	-78272	0	1	0	-0.61	2.33	0	2.33	0.81	1	61708	No
SLU 20	-525	-85620	0	1	0	-0.61	2.33	0	2.94	0.78	1	59538	No
SLU 27	-22	-68475	0	1	0	-0.57	2.33	0	2.9	0.79	1	59663	No
SLU 27	-273.5	-76448	0	1	0	-0.57	2.33	0	2.33	0.81	1	61708	No
SLU 27	-525	-84097	0	1	0	-0.57	2.33	0	2.9	0.79	1	59663	No
SLU 25	-22	-68086	0	1	0	-0.57	2.33	0	2.9	0.79	1	59651	No
SLU 25	-273.5	-76128	0	1	0	-0.57	2.33	0	2.33	0.81	1	61708	No
SLU 25	-525	-83811	0	1	0	-0.57	2.33	0	2.9	0.79	1	59651	No
SLU 23	-22	-67531	0	1	0	-0.58	2.33	0	2.91	0.79	1	59634	No
SLU 23	-273.5	-75693	0	1	0	-0.58	2.33	0	2.33	0.81	1	61708	No
SLU 23	-525	-83427	0	1	0	-0.58	2.33	0	2.91	0.79	1	59634	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 12	-470	-71939	-957583	2.34	1851080	1.933	Si
SLV 12	-260	-57384	186278	1.87	3925582	21.074	Si
SLV 2	-470	-63892	-301823	2.08	3151590	10.442	Si
SLV 2	-260	-64028	-1757124	2.08	3132669	1.783	Si
SLV 3	-470	-67231	-670271	2.19	2657964	3.966	Si
SLV 3	-260	-64047	-1445502	2.08	3130101	2.165	Si
SLV 7	-470	-71565	-1023373	2.33	1920014	1.876	Si
SLV 7	-260	-60469	-399055	1.97	3589616	8.995	Si
SLV 5	-470	-60432	204790	1.96	3593951	17.549	Si
SLV 5	-260	-60407	-1437795	1.96	3596874	2.502	Si
SLV 1	-470	-63892	-301823	2.08	3151590	10.442	Si
SLV 1	-260	-64028	-1757124	2.08	3132669	1.783	Si
SLV 11	-470	-71939	-957583	2.34	1851080	1.933	Si
SLV 11	-260	-57384	186278	1.87	3925582	21.074	Si
SLV 4	-470	-67231	-670271	2.19	2657964	3.966	Si
SLV 4	-260	-64047	-1445502	2.08	3130101	2.165	Si
SLV 8	-470	-71565	-1023373	2.33	1920014	1.876	Si
SLV 8	-260	-60469	-399055	1.97	3589616	8.995	Si
SLV 6	-470	-60432	204790	1.96	3593951	17.549	Si

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 6	-260	-60407	-1437795	1.96	3596874	2.502	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 22	-470	-78277	8657	-383769	2.54	2.54	473.33	0.39	11956		1.38	Si
SLU 22	-260	-68183	8681	-791402	2.22	2.22	473.33	0.34	10610		1.22	Si
SLU 24	-470	-78693	8632	-391633	2.56	2.56	473.33	0.39	12012		1.39	Si
SLU 24	-260	-68619	8656	-789485	2.23	2.23	473.33	0.35	10668		1.23	Si
SLU 26	-470	-79001	8619	-395037	2.57	2.57	473.33	0.39	12053		1.4	Si
SLU 26	-260	-68938	8644	-787414	2.24	2.24	473.33	0.35	10711		1.24	Si
SLU 35	-470	-83469	8790	-456760	2.71	2.71	473.33	0.41	12648		1.44	Si
SLU 35	-260	-73756	8815	-802431	2.4	2.4	473.33	0.37	11354		1.29	Si
SLU 28	-470	-82130	8853	-438683	2.67	2.67	473.33	0.41	12470		1.41	Si
SLU 28	-260	-72362	8877	-810561	2.35	2.35	473.33	0.36	11168		1.26	Si
SLU 4	-470	-61534	6698	-313056	2	2	473.33	0.32	9724		1.45	Si
SLU 4	-260	-53867	6717	-611775	1.75	1.75	473.33	0.28	8702		1.3	Si
SLU 1	-470	-60918	6724	-306248	1.98	1.98	473.33	0.31	9642		1.43	Si
SLU 1	-260	-53228	6742	-615918	1.73	1.73	473.33	0.28	8616		1.28	Si
SLU 19	-470	-77662	8682	-376960	2.52	2.52	473.33	0.39	11874		1.37	Si
SLU 19	-260	-67544	8706	-795544	2.2	2.2	473.33	0.34	10525		1.21	Si
SLU 31	-470	-82745	8827	-445491	2.69	2.69	473.33	0.41	12552		1.42	Si
SLU 31	-260	-73001	8852	-806419	2.37	2.37	473.33	0.37	11253		1.27	Si
SLU 33	-470	-83161	8803	-453356	2.7	2.7	473.33	0.41	12607		1.43	Si
SLU 33	-260	-73437	8828	-804502	2.39	2.39	473.33	0.37	11311		1.28	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 1.5 (SLD), γM = 2.4 (SLV)

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLD 5	-470	-63639	13389	-119272	2.07	2.07	473.33	0.65	20009		1.49	Si
SLD 5	-260	-59564	13441	-984949	1.94	1.94	473.33	0.62	18922		1.41	Si
SLV 3	-470	-67231	14010	-670271	2.19	2.19	473.33	0.43	13104		0.94	No
SLV 3	-260	-64047	14015	-1445502	2.08	2.08	473.33	0.41	12574		0.9	No
SLV 5	-470	-60432	21584	204790	1.96	1.96	473.33	0.39	11971		0.55	No
SLV 5	-260	-60407	21679	-1437795	1.96	1.96	473.33	0.39	11967		0.55	No
SLV 6	-470	-60432	21584	204790	1.96	1.96	473.33	0.39	11971		0.55	No
SLV 6	-260	-60407	21679	-1437795	1.96	1.96	473.33	0.39	11967		0.55	No
SLV 9	-470	-60807	15236	270580	1.98	1.98	473.33	0.39	12034		0.79	No
SLV 9	-260	-57322	15325	-852463	1.86	1.86	473.33	0.37	11453		0.75	No
SLV 4	-470	-67231	14010	-670271	2.19	2.19	473.33	0.43	13104		0.94	No
SLV 4	-260	-64047	14015	-1445502	2.08	2.08	473.33	0.41	12574		0.9	No
SLV 1	-470	-63892	20924	-301823	2.08	2.08	473.33	0.41	12548		0.6	No
SLV 1	-260	-64028	20973	-1757124	2.08	2.08	473.33	0.41	12571		0.6	No
SLV 2	-470	-63892	20924	-301823	2.08	2.08	473.33	0.41	12548		0.6	No
SLV 2	-260	-64028	20973	-1757124	2.08	2.08	473.33	0.41	12571		0.6	No
SLV 10	-470	-60807	15236	270580	1.98	1.98	473.33	0.39	12034		0.79	No
SLV 10	-260	-57322	15325	-852463	1.86	1.86	473.33	0.37	11453		0.75	No
SLD 6	-470	-63639	13389	-119272	2.07	2.07	473.33	0.65	20009		1.49	Si
SLD 6	-260	-59564	13441	-984949	1.94	1.94	473.33	0.62	18922		1.41	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.12 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 4	3	0.36	51.58	-64047	192469	429840	2.23	Si
SLV 3	3	0.36	51.58	-64047	192469	429840	2.23	Si
SLV 2	3	0.36	51.56	-64028	192469	430192	2.24	Si
SLV 1	3	0.36	51.56	-64028	192469	430192	2.24	Si
SLV 7	3	0.36	48.7	-60469	192469	492943	2.56	Si
SLV 8	3	0.36	48.7	-60469	192469	492943	2.56	Si
SLV 6	3	0.36	48.65	-60407	192469	493939	2.57	Si
SLV 5	3	0.36	48.65	-60407	192469	493939	2.57	Si
SLV 11	3	0.36	46.21	-57384	192469	539079	2.8	Si
SLV 12	3	0.36	46.21	-57384	192469	539079	2.8	Si

Maschio 17

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2697.5	4610.9	2698	4391.8	L1	L3	219.1	65	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-9412	0	1	0	-2.03	2.33	0	4.36	0.72	1	25200	Si
SLU 30	-273.5	-29750	0	1	0	-2.03	2.33	0	2.33	0.81	1	28562	No
SLU 30	-525	-36946	0	1	0	-2.03	2.33	0	4.36	0.72	1	25200	No
SLU 29	-22	-9366	0	1	0	-2.04	2.33	0	4.37	0.72	1	25184	Si
SLU 29	-273.5	-29637	0	1	0	-2.04	2.33	0	2.33	0.81	1	28562	No
SLU 29	-525	-36837	0	1	0	-2.04	2.33	0	4.37	0.72	1	25184	No
SLU 36	-22	-9156	0	1	0	-1.92	2.33	0	4.25	0.72	1	25372	Si
SLU 36	-273.5	-29099	0	1	0	-1.92	2.33	0	2.33	0.81	1	28562	No
SLU 36	-525	-36287	0	1	0	-1.92	2.33	0	4.25	0.72	1	25372	No
SLU 34	-22	-9111	0	1	0	-1.93	2.33	0	4.26	0.72	1	25356	Si
SLU 34	-273.5	-28987	0	1	0	-1.93	2.33	0	2.33	0.81	1	28562	No
SLU 34	-525	-36178	0	1	0	-1.93	2.33	0	4.26	0.72	1	25356	No
SLU 32	-22	-9078	0	1	0	-1.94	2.33	0	4.27	0.72	1	25344	Si
SLU 32	-273.5	-28847	0	1	0	-1.94	2.33	0	2.33	0.81	1	28562	No
SLU 32	-525	-36040	0	1	0	-1.94	2.33	0	4.27	0.72	1	25344	No
SLU 21	-22	-8805	0	1	0	-1.96	2.33	0	4.29	0.72	1	25312	Si

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 21	-273.5	-28177	0	1	0	-1.96	2.33	0	2.33	0.81	1	28562	Si
SLU 21	-525	-35392	0	1	0	-1.96	2.33	0	4.29	0.72	1	25312	No
SLU 20	-22	-8760	0	1	0	-1.97	2.33	0	4.3	0.72	1	25295	Si
SLU 20	-273.5	-28064	0	1	0	-1.97	2.33	0	2.33	0.81	1	28562	Si
SLU 20	-525	-35283	0	1	0	-1.97	2.33	0	4.3	0.72	1	25295	No
SLU 27	-22	-8549	0	1	0	-1.85	2.33	0	4.18	0.73	1	25499	Si
SLU 27	-273.5	-27527	0	1	0	-1.85	2.33	0	2.33	0.81	1	28562	Si
SLU 27	-525	-34733	0	1	0	-1.85	2.33	0	4.18	0.73	1	25499	No
SLU 25	-22	-8504	0	1	0	-1.86	2.33	0	4.19	0.72	1	25482	Si
SLU 25	-273.5	-27414	0	1	0	-1.86	2.33	0	2.33	0.81	1	28562	Si
SLU 25	-525	-34624	0	1	0	-1.86	2.33	0	4.19	0.72	1	25482	No
SLU 23	-22	-8472	0	1	0	-1.86	2.33	0	4.19	0.72	1	25471	Si
SLU 23	-273.5	-27274	0	1	0	-1.86	2.33	0	2.33	0.81	1	28562	Si
SLU 23	-525	-34486	0	1	0	-1.86	2.33	0	4.19	0.72	1	25471	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 13	-470	-21454	-218494	1.51	1000550	4.579	Si
SLV 13	-260	-15669	626892	1.1	996540	1.59	Si
SLV 11	-470	-33594	-360121	2.36	370964	1.03	Si
SLV 11	-260	-27574	451749	1.94	791193	1.751	Si
SLV 7	-470	-35587	-226354	2.5	185001	0.817	No
SLV 7	-260	-29567	374902	2.08	675573	1.802	Si
SLV 12	-470	-33594	-360121	2.36	370964	1.03	Si
SLV 12	-260	-27574	451749	1.94	791193	1.751	Si
SLV 9	-470	-18495	97861	1.3	1023023	10.454	Si
SLV 9	-260	-12837	583270	0.9	923008	1.582	Si
SLV 16	-470	-25984	-355889	1.82	866697	2.435	Si
SLV 16	-260	-20090	587435	1.41	1017292	1.732	Si
SLV 15	-470	-25984	-355889	1.82	866697	2.435	Si
SLV 15	-260	-20090	587435	1.41	1017292	1.732	Si
SLV 10	-470	-18495	97861	1.3	1023023	10.454	Si
SLV 10	-260	-12837	583270	0.9	923008	1.582	Si
SLV 8	-470	-35587	-226354	2.5	185001	0.817	No
SLV 8	-260	-29567	374902	2.08	675573	1.802	Si
SLV 14	-470	-21454	-218494	1.51	1000550	4.579	Si
SLV 14	-260	-15669	626892	1.1	996540	1.59	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 2	-470	-28624	-2988	-100871	2.01	2.01	219.09	0.32	4520		1.51	Si
SLU 2	-260	-22784	-2988	548486	1.6	1.6	219.09	0.26	3741		1.25	Si
SLU 11	-470	-30197	-3415	-130714	2.12	2.12	219.09	0.33	4729		1.39	Si
SLU 11	-260	-24357	-3415	608306	1.71	1.71	219.09	0.28	3951		1.16	Si
SLU 14	-470	-29407	-3138	-110687	2.06	2.06	219.09	0.32	4624		1.47	Si
SLU 14	-260	-23567	-3138	570170	1.65	1.65	219.09	0.27	3846		1.23	Si
SLU 30	-470	-37341	-3869	-129442	2.62	2.62	219.09	0.4	5682		1.47	Si
SLU 30	-260	-29750	-3869	711651	2.09	2.09	219.09	0.33	4670		1.21	Si
SLU 18	-470	-29659	-3192	-114674	2.08	2.08	219.09	0.33	4658		1.46	Si
SLU 18	-260	-23819	-3192	577656	1.67	1.67	219.09	0.27	3879		1.22	Si
SLU 3	-470	-28737	-3006	-102146	2.02	2.02	219.09	0.32	4535		1.51	Si
SLU 3	-260	-22897	-3006	551041	1.61	1.61	219.09	0.26	3756		1.25	Si
SLU 29	-470	-37228	-3851	-128168	2.61	2.61	219.09	0.4	5667		1.47	Si
SLU 29	-260	-29637	-3851	709096	2.08	2.08	219.09	0.33	4655		1.21	Si
SLU 16	-470	-29546	-3174	-113399	2.07	2.07	219.09	0.33	4643		1.46	Si
SLU 16	-260	-23706	-3174	575101	1.66	1.66	219.09	0.27	3864		1.22	Si
SLU 12	-470	-30310	-3433	-131988	2.13	2.13	219.09	0.33	4745		1.38	Si
SLU 12	-260	-24470	-3433	610861	1.72	1.72	219.09	0.28	3966		1.16	Si
SLU 36	-470	-36690	-3629	-112128	2.58	2.58	219.09	0.39	5595		1.54	Si
SLU 36	-260	-29099	-3629	678446	2.04	2.04	219.09	0.32	4583		1.26	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 11	-470	-33594	-3431	-360121	2.36	2.36	219.09	0.45	6478		1.89	Si
SLV 11	-260	-27574	-3899	451749	1.94	1.94	219.09	0.38	5475		1.4	Si
SLV 16	-470	-25984	-4324	-355889	1.82	1.82	219.09	0.37	5210		1.2	Si
SLV 16	-260	-20090	-4522	587435	1.41	1.41	219.09	0.3	4227		0.93	No
SLD 13	-470	-24569	-3182	-132464	1.73	1.73	219.09	0.56	7958		2.5	Si
SLD 13	-260	-18754	-3150	544498	1.32	1.32	219.09	0.45	6407		2.03	Si
SLV 10	-470	-18495	-2561	97861	1.3	1.3	219.09	0.28	3962		1.55	Si
SLV 10	-260	-12837	-2131	583270	0.9	1.03	192.31	0.23	2911		1.37	Si
SLV 13	-470	-21454	-4063	-218494	1.51	1.51	219.09	0.31	4455		1.1	Si
SLV 13	-260	-15669	-3991	626892	1.1	1.16	208.6	0.25	3448		0.86	No
SLV 9	-470	-18495	-2561	97861	1.3	1.3	219.09	0.28	3962		1.55	Si
SLV 9	-260	-12837	-2131	583270	0.9	1.03	192.31	0.23	2911		1.37	Si
SLD 14	-470	-24569	-3182	-132464	1.73	1.73	219.09	0.56	7958		2.5	Si
SLD 14	-260	-18754	-3150	544498	1.32	1.32	219.09	0.45	6407		2.03	Si
SLV 15	-470	-25984	-4324	-355889	1.82	1.82	219.09	0.37	5210		1.2	Si
SLV 15	-260	-20090	-4522	587435	1.41	1.41	219.09	0.3	4227		0.93	No
SLV 14	-470	-21454	-4063	-218494	1.51	1.51	219.09	0.31	4455		1.1	Si
SLV 14	-260	-15669	-3991	626892	1.1	1.16	208.6	0.25	3448		0.86	No
SLV 12	-470	-33594	-3431	-360121	2.36	2.36	219.09	0.45	6478		1.89	Si
SLV 12	-260	-27574	-3899	451749	1.94	1.94	219.09	0.38	5475		1.4	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.12 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 7	3	0.36	51.44	-29567	89086	200433	2.25	Si
SLV 8	3	0.36	51.44	-29567	89086	200433	2.25	Si
SLV 11	3	0.36	47.97	-27574	89086	234736	2.63	Si
SLV 12	3	0.36	47.97	-27574	89086	234736	2.63	Si
SLV 3	3	0.36	46.51	-26735	89086	247105	2.77	Si
SLV 4	3	0.36	46.51	-26735	89086	247105	2.77	Si
SLV 10	3	0.36	22.33	-12837	89086	273844	3.07	Si
SLV 9	3	0.36	22.33	-12837	89086	273844	3.07	Si
SLV 5	3	0.36	25.8	-14830	89086	290654	3.26	Si
SLV 6	3	0.36	25.8	-14830	89086	290654	3.26	Si

Maschio 18

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2823.7	1204.6	2823.7	843.5	L1	L3	361.2	55	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-33173	0	1	0	-0.11	2.33	0	2.44	0.76	1	37217	Si
SLU 30	-273.5	-47826	0	1	0	-0.11	2.33	0	2.33	0.76	1	37519	No
SLU 30	-525	-58882	0	1	0	-0.11	2.33	0	2.44	0.76	1	37217	No
SLU 29	-22	-32996	0	1	0	-0.11	2.33	0	2.44	0.76	1	37216	Si
SLU 29	-273.5	-47668	0	1	0	-0.11	2.33	0	2.33	0.76	1	37519	No
SLU 29	-525	-58755	0	1	0	-0.11	2.33	0	2.44	0.76	1	37216	No
SLU 36	-22	-33078	0	1	0	-0.1	2.33	0	2.43	0.76	1	37247	Si
SLU 36	-273.5	-47453	0	1	0	-0.1	2.33	0	2.33	0.76	1	37519	No
SLU 36	-525	-58239	0	1	0	-0.1	2.33	0	2.43	0.76	1	37247	No
SLU 34	-22	-32902	0	1	0	-0.1	2.33	0	2.43	0.76	1	37246	Si
SLU 34	-273.5	-47295	0	1	0	-0.1	2.33	0	2.33	0.76	1	37519	No
SLU 34	-525	-58112	0	1	0	-0.1	2.33	0	2.43	0.76	1	37246	No
SLU 32	-22	-32654	0	1	0	-0.1	2.33	0	2.43	0.76	1	37244	Si
SLU 32	-273.5	-47014	0	1	0	-0.1	2.33	0	2.33	0.76	1	37519	No
SLU 32	-525	-57814	0	1	0	-0.1	2.33	0	2.43	0.76	1	37244	No
SLU 21	-22	-31811	0	1	0	-0.1	2.33	0	2.43	0.76	1	37244	Si
SLU 21	-273.5	-46423	0	1	0	-0.1	2.33	0	2.33	0.76	1	37519	No
SLU 21	-525	-57415	0	1	0	-0.1	2.33	0	2.43	0.76	1	37244	No
SLU 20	-22	-31634	0	1	0	-0.1	2.33	0	2.43	0.76	1	37243	Si
SLU 20	-273.5	-46265	0	1	0	-0.1	2.33	0	2.33	0.76	1	37519	No
SLU 20	-525	-57288	0	1	0	-0.1	2.33	0	2.43	0.76	1	37243	No
SLU 27	-22	-31717	0	1	0	-0.09	2.33	0	2.42	0.76	1	37276	Si
SLU 27	-273.5	-46051	0	1	0	-0.09	2.33	0	2.33	0.76	1	37519	No
SLU 27	-525	-56772	0	1	0	-0.09	2.33	0	2.42	0.76	1	37276	No
SLU 25	-22	-31540	0	1	0	-0.09	2.33	0	2.42	0.76	1	37275	Si
SLU 25	-273.5	-45893	0	1	0	-0.09	2.33	0	2.33	0.76	1	37519	No
SLU 25	-525	-56644	0	1	0	-0.09	2.33	0	2.42	0.76	1	37275	No
SLU 23	-22	-31293	0	1	0	-0.09	2.33	0	2.42	0.76	1	37273	Si
SLU 23	-273.5	-45612	0	1	0	-0.09	2.33	0	2.33	0.76	1	37519	No
SLU 23	-525	-56347	0	1	0	-0.09	2.33	0	2.42	0.76	1	37273	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 4	-525	-27302	220479	1.37	2347231	10.646	Si
SLV 4	-22	5263	-2846602	0	0	0	No
SLV 12	-525	-30687	-75658	1.54	2278298	30.113	Si
SLV 12	-22	14116	305627	0	0	0	No
SLV 3	-525	-27302	220479	1.37	2347231	10.646	Si
SLV 3	-22	5263	-2846602	0	0	0	No
SLV 6	-525	-56118	-3271	2.83	0	0	No
SLV 6	-22	-62570	267744	3.15	0	0	No
SLV 5	-525	-56118	-3271	2.83	0	0	No
SLV 5	-22	-62570	267744	3.15	0	0	No
SLV 7	-525	-23924	73407	1.2	2336853	31.834	Si
SLV 7	-22	24017	-1422246	0	0	0	No
SLV 11	-525	-30687	-75658	1.54	2278298	30.113	Si
SLV 11	-22	14116	305627	0	0	0	No
SLV 9	-525	-62881	-152336	3.17	0	0	No
SLV 9	-22	-72471	1995618	3.65	0	0	No
SLV 10	-525	-62881	-152336	3.17	0	0	No
SLV 10	-22	-72471	1995618	3.65	0	0	No
SLV 8	-525	-23924	73407	1.2	2336853	31.834	Si
SLV 8	-22	24017	-1422246	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 21	-525	-57415	-15485	-51870	2.89	2.89	361.16	0.43	8636		0.56	No
SLU 21	-22	-31811	-15056	401022	1.6	1.6	361.16	0.26	5222		0.35	No
SLU 24	-525	-53855	-14992	-73374	2.71	2.71	361.16	0.41	8162		0.54	No
SLU 24	-22	-29919	-14451	365850	1.51	1.51	361.16	0.25	4970		0.34	No
SLU 26	-525	-53982	-14941	-71532	2.72	2.72	361.16	0.41	8179		0.55	No
SLU 26	-22	-30096	-14428	359173	1.52	1.52	361.16	0.25	4994		0.35	No
SLU 27	-525	-56772	-15277	-54377	2.86	2.86	361.16	0.43	8550		0.56	No
SLU 27	-22	-31717	-14859	378482	1.6	1.6	361.16	0.26	5210		0.35	No
SLU 28	-525	-54770	-14760	-58379	2.76	2.76	361.16	0.42	8284		0.56	No
SLU 28	-22	-30680	-14407	349641	1.54	1.54	361.16	0.26	5072		0.35	No
SLU 20	-525	-57288	-15536	-53712	2.88	2.88	361.16	0.43	8619		0.55	No
SLU 20	-22	-31634	-15080	407699	1.59	1.59	361.16	0.26	5199		0.34	No
SLU 23	-525	-56347	-15290	-57380	2.84	2.84	361.16	0.43	8494		0.56	No
SLU 23	-22	-31293	-14848	386069	1.58	1.58	361.16	0.26	5153		0.35	No
SLU 19	-525	-53303	-15056	-78219	2.68	2.68	361.16	0.41	8088		0.54	No
SLU 19	-22	-29319	-14464	380115	1.48	1.48	361.16	0.25	4890		0.34	No
SLU 25	-525	-56644	-15328	-56219	2.85	2.85	361.16	0.43	8534		0.56	No
SLU 25	-22	-31540	-14882	385159	1.59	1.59	361.16	0.26	5186		0.35	No
SLU 22	-525	-53557	-14954	-74535	2.7	2.7	361.16	0.41	8122		0.54	No
SLU 22	-22	-29672	-14416	366760	1.49	1.49	361.16	0.25	4937		0.34	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 1.5 (SLD), γM = 2.4 (SLV)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLD 7	-525	-34783	-5594	10507	1.75	1.75	361.16	0.57	11237		2.01	Si
SLD 7	-22	-2878	-13615	-469374	0.14	1	52.43	0.36	1052		0.08	No
SLV 16	-525	-49845	-22538	-276404	2.51	2.51	361.16	0.48	9534		0.42	No
SLV 16	-22	-27741	-45372	2912976	1.4	2.22	226.72	0.43	5393		0.12	No
SLV 12	-525	-30687	-6273	-75658	1.54	1.54	361.16	0.32	6341		1.01	Si
SLV 12	-22	14116	-34369	305627	-0.71	0	0	0.06	0		0	No
SLV 7	-525	-23924	1987	73407	1.2	1.2	361.16	0.26	5213		2.62	Si
SLV 7	-22	24017	-16486	-1422246	-1.21	0	0	0.06	0		0	No
SLV 15	-525	-49845	-22538	-276404	2.51	2.51	361.16	0.48	9534		0.42	No
SLV 15	-22	-27741	-45372	2912976	1.4	2.22	226.72	0.43	5393		0.12	No
SLD 8	-525	-34783	-5594	10507	1.75	1.75	361.16	0.57	11237		2.01	Si
SLD 8	-22	-2878	-13615	-469374	0.14	1	52.43	0.36	1052		0.08	No
SLV 8	-525	-23924	1987	73407	1.2	1.2	361.16	0.26	5213		2.62	Si
SLV 8	-22	24017	-16486	-1422246	-1.21	0	0	0.06	0		0	No
SLV 4	-525	-27302	4996	220479	1.37	1.37	361.16	0.29	5776		1.16	Si
SLV 4	-22	5263	14238	-2846602	-0.26	0	0	0.06	0		0	No
SLV 11	-525	-30687	-6273	-75658	1.54	1.54	361.16	0.32	6341		1.01	Si
SLV 11	-22	14116	-34369	305627	-0.71	0	0	0.06	0		0	No
SLV 3	-525	-27302	4996	220479	1.37	1.37	361.16	0.29	5776		1.16	Si
SLV 3	-22	5263	14238	-2846602	-0.26	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 13	3	0.36	0	-60738	124264	0	0	No
SLV 9	3	0.36	0	-62296	124264	0	0	No
SLV 10	3	0.36	0	-62296	124264	0	0	No
SLV 14	3	0.36	0	-60738	124264	0	0	No
SLV 5	3	0.36	53.62	-50802	124264	35117	0.28	No
SLV 6	3	0.36	53.62	-50802	124264	35117	0.28	No
SLV 15	3	0.36	50.56	-47909	124264	106271	0.86	No
SLV 16	3	0.36	50.56	-47909	124264	106271	0.86	No
SLV 7	3	0.36	8.48	-8037	124264	186929	1.5	Si
SLV 8	3	0.36	8.48	-8037	124264	186929	1.5	Si

Maschio 19

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2988.7	4313.9	2988.7	4247.6	L1	L3	66.3	65	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-9084	0	1	0	0.12	2.33	0	2.45	0.81	1	8587	No
SLU 30	-273.5	-7335	0	1	0	0.12	2.33	0	2.33	0.81	1	8646	Si
SLU 30	-525	-12093	0	1	0	0.12	2.33	0	2.45	0.81	1	8587	No
SLU 29	-22	-9042	0	1	0	0.12	2.33	0	2.45	0.81	1	8587	No
SLU 29	-273.5	-7326	0	1	0	0.12	2.33	0	2.33	0.81	1	8646	Si
SLU 29	-525	-12073	0	1	0	0.12	2.33	0	2.45	0.81	1	8587	No
SLU 36	-22	-8753	0	1	0	0.11	2.33	0	2.44	0.81	1	8589	No
SLU 36	-273.5	-7053	0	1	0	0.11	2.33	0	2.33	0.81	1	8646	Si
SLU 36	-525	-11749	0	1	0	0.11	2.33	0	2.44	0.81	1	8589	No
SLU 34	-22	-8710	0	1	0	0.11	2.33	0	2.44	0.81	1	8589	No
SLU 34	-273.5	-7045	0	1	0	0.11	2.33	0	2.33	0.81	1	8646	Si
SLU 34	-525	-11729	0	1	0	0.11	2.33	0	2.44	0.81	1	8589	No
SLU 32	-22	-8655	0	1	0	0.11	2.33	0	2.44	0.81	1	8589	No
SLU 32	-273.5	-7033	0	1	0	0.11	2.33	0	2.33	0.81	1	8646	Si
SLU 32	-525	-11703	0	1	0	0.11	2.33	0	2.44	0.81	1	8589	No
SLU 21	-22	-8383	0	1	0	0.12	2.33	0	2.45	0.81	1	8588	Si
SLU 21	-273.5	-6926	0	1	0	0.12	2.33	0	2.33	0.81	1	8646	Si
SLU 21	-525	-11526	0	1	0	0.12	2.33	0	2.45	0.81	1	8588	No
SLU 20	-22	-8341	0	1	0	0.12	2.33	0	2.45	0.81	1	8588	Si
SLU 20	-273.5	-6918	0	1	0	0.12	2.33	0	2.33	0.81	1	8646	Si
SLU 20	-525	-11505	0	1	0	0.12	2.33	0	2.45	0.81	1	8588	No
SLU 27	-22	-8052	0	1	0	0.11	2.33	0	2.44	0.81	1	8591	Si
SLU 27	-273.5	-6645	0	1	0	0.11	2.33	0	2.33	0.81	1	8646	Si
SLU 27	-525	-11181	0	1	0	0.11	2.33	0	2.44	0.81	1	8591	No
SLU 25	-22	-8009	0	1	0	0.11	2.33	0	2.44	0.81	1	8591	Si
SLU 25	-273.5	-6636	0	1	0	0.11	2.33	0	2.33	0.81	1	8646	Si
SLU 25	-525	-11161	0	1	0	0.11	2.33	0	2.44	0.81	1	8591	No
SLU 23	-22	-7954	0	1	0	0.11	2.33	0	2.44	0.81	1	8590	Si
SLU 23	-273.5	-6625	0	1	0	0.11	2.33	0	2.33	0.81	1	8646	Si
SLU 23	-525	-11135	0	1	0	0.11	2.33	0	2.44	0.81	1	8590	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 27	-470	-12625	-35	-74918	2.93	2.93	66.32	0.44	1896		54.64	Si
SLU 27	-280	-10607	5	-74486	2.46	2.46	66.32	0.38	1627		323.61	Si
SLU 33	-470	-12104	-34	-69022	2.81	2.81	66.32	0.42	1827		54.38	Si
SLU 33	-280	-10079	5	-68816	2.34	2.34	66.32	0.36	1557		340.51	Si
SLU 32	-470	-13254	-37	-80107	3.07	3.07	66.32	0.46	1980		54.21	Si
SLU 32	-280	-11231	5	-79806	2.61	2.61	66.32	0.4	1710		316.7	Si
SLU 29	-470	-13727	-38	-85679	3.18	3.18	66.32	0.47	2043		54.41	Si

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 29	-280	-11712	6	-85142	2.72	2.72	66.32	0.41	1774		304.47	Si
SLU 30	-470	-13741	-38	-85078	3.19	3.19	66.32	0.47	2045		54.17	Si
SLU 30	-280	-11721	6	-84685	2.72	2.72	66.32	0.41	1776		307.62	Si
SLU 34	-470	-13273	-37	-79220	3.08	3.08	66.32	0.46	1983		53.7	Si
SLU 34	-280	-11243	5	-79134	2.61	2.61	66.32	0.4	1712		322.44	Si
SLU 36	-470	-13287	-37	-78619	3.08	3.08	66.32	0.46	1985		53.47	Si
SLU 36	-280	-11253	5	-78677	2.61	2.61	66.32	0.4	1713		326.08	Si
SLU 18	-470	-10833	-31	-64039	2.51	2.51	66.32	0.38	1657		53.91	Si
SLU 18	-280	-9253	4	-64503	2.15	2.15	66.32	0.34	1447		339.27	Si
SLU 16	-470	-10819	-31	-64640	2.51	2.51	66.32	0.38	1655		54.2	Si
SLU 16	-280	-9244	4	-64959	2.14	2.14	66.32	0.34	1445		334.62	Si
SLU 35	-470	-12118	-34	-68421	2.81	2.81	66.32	0.42	1829		54.11	Si
SLU 35	-280	-10089	5	-68359	2.34	2.34	66.32	0.36	1558		344.97	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.12 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 5	3	0.36	28.11	-4891	26968	90214	3.35	Si
SLV 6	3	0.36	28.11	-4891	26968	90214	3.35	Si
SLV 9	3	0.36	28.49	-4957	26968	90492	3.36	Si
SLV 10	3	0.36	28.49	-4957	26968	90492	3.36	Si
SLV 1	3	0.36	28.63	-4982	26968	90591	3.36	Si
SLV 2	3	0.36	28.63	-4982	26968	90591	3.36	Si
SLV 3	3	0.36	29.46	-5127	26968	91089	3.38	Si
SLV 4	3	0.36	29.46	-5127	26968	91089	3.38	Si
SLV 13	3	0.36	29.9	-5203	26968	91303	3.39	Si
SLV 14	3	0.36	29.9	-5203	26968	91303	3.39	Si

Maschio 20

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2988.8	4564.8	2988.8	4413.9	L1	L3	150.9	65	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-13825	0	1	0	0.17	2.33	0	2.5	0.8	1	19477	Si
SLU 30	-273.5	-13795	0	1	0	0.17	2.33	0	2.33	0.81	1	19672	Si
SLU 30	-525	-21080	0	1	0	0.17	2.33	0	2.5	0.8	1	19477	No
SLU 29	-22	-13766	0	1	0	0.17	2.33	0	2.5	0.8	1	19477	Si
SLU 29	-273.5	-13786	0	1	0	0.17	2.33	0	2.33	0.81	1	19672	Si
SLU 29	-525	-21072	0	1	0	0.17	2.33	0	2.5	0.8	1	19477	No
SLU 36	-22	-13203	0	1	0	0.16	2.33	0	2.49	0.8	1	19484	Si
SLU 36	-273.5	-13239	0	1	0	0.16	2.33	0	2.33	0.81	1	19672	Si
SLU 36	-525	-20447	0	1	0	0.16	2.33	0	2.49	0.8	1	19484	No
SLU 34	-22	-13144	0	1	0	0.17	2.33	0	2.5	0.8	1	19483	Si
SLU 34	-273.5	-13230	0	1	0	0.17	2.33	0	2.33	0.81	1	19672	Si
SLU 34	-525	-20439	0	1	0	0.17	2.33	0	2.5	0.8	1	19483	No
SLU 32	-22	-13071	0	1	0	0.17	2.33	0	2.5	0.8	1	19482	Si
SLU 32	-273.5	-13219	0	1	0	0.17	2.33	0	2.33	0.81	1	19672	Si
SLU 32	-525	-20429	0	1	0	0.17	2.33	0	2.5	0.8	1	19482	No
SLU 21	-22	-12652	0	1	0	0.17	2.33	0	2.5	0.8	1	19480	Si
SLU 21	-273.5	-13042	0	1	0	0.17	2.33	0	2.33	0.81	1	19672	Si
SLU 21	-525	-20239	0	1	0	0.17	2.33	0	2.5	0.8	1	19480	No
SLU 20	-22	-12592	0	1	0	0.17	2.33	0	2.5	0.8	1	19479	Si
SLU 20	-273.5	-13032	0	1	0	0.17	2.33	0	2.33	0.81	1	19672	Si
SLU 20	-525	-20231	0	1	0	0.17	2.33	0	2.5	0.8	1	19479	No
SLU 27	-22	-12029	0	1	0	0.16	2.33	0	2.49	0.8	1	19487	Si
SLU 27	-273.5	-12486	0	1	0	0.16	2.33	0	2.33	0.81	1	19672	Si
SLU 27	-525	-19606	0	1	0	0.16	2.33	0	2.49	0.8	1	19487	No
SLU 25	-22	-11970	0	1	0	0.16	2.33	0	2.49	0.8	1	19486	Si
SLU 25	-273.5	-12476	0	1	0	0.16	2.33	0	2.33	0.81	1	19672	Si
SLU 25	-525	-19598	0	1	0	0.16	2.33	0	2.49	0.8	1	19486	No
SLU 23	-22	-11898	0	1	0	0.16	2.33	0	2.49	0.8	1	19485	Si
SLU 23	-273.5	-12466	0	1	0	0.16	2.33	0	2.33	0.81	1	19672	Si
SLU 23	-525	-19588	0	1	0	0.16	2.33	0	2.49	0.8	1	19485	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 30	-470	-23012	61	333813	2.35	2.35	150.9	0.36	3553		58.63	Si
SLU 30	-280	-18993	-68	302575	1.94	1.94	150.9	0.31	3017		44.35	Si
SLU 27	-470	-21210	56	295847	2.16	2.16	150.9	0.34	3312		59.15	Si
SLU 27	-280	-17162	-61	266552	1.75	1.75	150.9	0.28	2773		45.11	Si
SLU 20	-470	-21980	60	313974	2.24	2.24	150.9	0.35	3415		57.12	Si
SLU 20	-280	-17932	-64	284676	1.83	1.83	150.9	0.29	2875		45.17	Si
SLU 29	-470	-23004	61	334148	2.35	2.35	150.9	0.36	3552		58.27	Si
SLU 29	-280	-18982	-68	303125	1.94	1.94	150.9	0.31	3015		44.42	Si
SLU 34	-470	-22226	58	316357	2.27	2.27	150.9	0.35	3448		59.93	Si
SLU 34	-280	-18200	-66	285552	1.86	1.86	150.9	0.3	2911		44.42	Si
SLU 35	-470	-20356	53	276710	2.08	2.08	150.9	0.33	3198		60.65	Si
SLU 35	-280	-16301	-59	247822	1.66	1.66	150.9	0.27	2658		45.24	Si
SLU 21	-470	-21988	59	313638	2.24	2.24	150.9	0.35	3416		57.48	Si
SLU 21	-280	-17944	-64	284126	1.83	1.83	150.9	0.29	2877		45.09	Si
SLU 36	-470	-22234	57	316021	2.27	2.27	150.9	0.35	3449		60.33	Si
SLU 36	-280	-18212	-66	285002	1.86	1.86	150.9	0.3	2913		44.34	Si
SLU 25	-470	-21202	56	296183	2.16	2.16	150.9	0.34	3311		58.76	Si
SLU 25	-280	-17151	-61	267102	1.75	1.75	150.9	0.28	2771		45.2	Si

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 32	-470	-22215	58	316629	2.26	2.26	150.9	0.35	3446		59.07	Si
SLU 32	-280	-18186	-65	286091	1.85	1.85	150.9	0.3	2909		44.62	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.12 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 9	3	0.36	23.43	-9274	61359	192780	3.14	Si
SLV 10	3	0.36	23.43	-9274	61359	192780	3.14	Si
SLV 14	3	0.36	23.7	-9381	61359	193735	3.16	Si
SLV 13	3	0.36	23.7	-9381	61359	193735	3.16	Si
SLV 5	3	0.36	23.77	-9409	61359	193976	3.16	Si
SLV 6	3	0.36	23.77	-9409	61359	193976	3.16	Si
SLV 16	3	0.36	24.27	-9607	61359	195660	3.19	Si
SLV 15	3	0.36	24.27	-9607	61359	195660	3.19	Si
SLV 2	3	0.36	24.83	-9829	61359	197423	3.22	Si
SLV 1	3	0.36	24.83	-9829	61359	197423	3.22	Si

Maschio 21

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3002.9	4247.6	3004.7	3201	L1	L3	1046.6	95	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-187522	0	1	0.99	-0.87	2.33	0	2.45	0.89	1	218511	Si
SLU 30	-273.5	-250829	0	1	0.99	-0.87	2.33	0	2.33	0.89	1	219497	No
SLU 30	-525	-302094	0	1	0.99	-0.87	2.33	0	2.45	0.89	1	218511	No
SLU 29	-22	-186169	0	1	0.99	-0.87	2.33	0	2.45	0.89	1	218533	Si
SLU 29	-273.5	-249372	0	1	0.99	-0.87	2.33	0	2.33	0.89	1	219497	No
SLU 29	-525	-300688	0	1	0.99	-0.87	2.33	0	2.45	0.89	1	218533	No
SLU 36	-22	-185438	0	1	0.99	-0.8	2.33	0	2.52	0.89	1	217967	Si
SLU 36	-273.5	-248054	0	1	0.99	-0.8	2.33	0	2.33	0.89	1	219497	No
SLU 36	-525	-299019	0	1	0.99	-0.8	2.33	0	2.52	0.89	1	217967	No
SLU 34	-22	-184085	0	1	1	-0.81	2.33	0	2.52	0.89	1	217986	Si
SLU 34	-273.5	-246597	0	1	1	-0.81	2.33	0	2.33	0.89	1	219497	No
SLU 34	-525	-297613	0	1	1	-0.81	2.33	0	2.52	0.89	1	217986	No
SLU 32	-22	-181818	0	1	1.01	-0.82	2.33	0	2.52	0.89	1	217988	Si
SLU 32	-273.5	-244310	0	1	1.01	-0.82	2.33	0	2.33	0.89	1	219497	No
SLU 32	-525	-295519	0	1	1.01	-0.82	2.33	0	2.52	0.89	1	217988	No
SLU 21	-22	-174708	0	1	1.03	-0.83	2.33	0	2.53	0.89	1	217915	Si
SLU 21	-273.5	-236671	0	1	1.03	-0.83	2.33	0	2.33	0.89	1	219497	No
SLU 21	-525	-288195	0	1	1.03	-0.83	2.33	0	2.53	0.89	1	217915	No
SLU 20	-22	-173355	0	1	1.03	-0.84	2.33	0	2.52	0.89	1	217934	Si
SLU 20	-273.5	-235214	0	1	1.03	-0.84	2.33	0	2.33	0.89	1	219497	No
SLU 20	-525	-286789	0	1	1.03	-0.84	2.33	0	2.52	0.89	1	217934	No
SLU 27	-22	-172623	0	1	1.03	-0.76	2.33	0	2.6	0.89	1	217324	Si
SLU 27	-273.5	-233896	0	1	1.03	-0.76	2.33	0	2.33	0.89	1	219497	No
SLU 27	-525	-285119	0	1	1.03	-0.76	2.33	0	2.6	0.89	1	217324	No
SLU 25	-22	-171270	0	1	1.04	-0.77	2.33	0	2.6	0.89	1	217339	Si
SLU 25	-273.5	-232439	0	1	1.04	-0.77	2.33	0	2.33	0.89	1	219497	No
SLU 25	-525	-283713	0	1	1.04	-0.77	2.33	0	2.6	0.89	1	217339	No
SLU 23	-22	-169003	0	1	1.05	-0.78	2.33	0	2.6	0.89	1	217333	Si
SLU 23	-273.5	-230152	0	1	1.05	-0.78	2.33	0	2.33	0.89	1	219497	No
SLU 23	-525	-281619	0	1	1.05	-0.78	2.33	0	2.6	0.89	1	217333	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 8	-525	-230197	-6315752	2.32	14158095	2.242	Si
SLV 8	-22	-148400	19303338	1.49	33479652	1.734	Si
SLV 9	-525	-206644	-1966612	2.08	22473508	11.428	Si
SLV 9	-22	-115010	-12849249	1.16	33650851	2.619	Si
SLV 11	-525	-235214	-4651701	2.37	12099124	2.601	Si
SLV 11	-22	-162452	23131286	1.63	32070179	1.386	Si
SLV 12	-525	-235214	-4651701	2.37	12099124	2.601	Si
SLV 12	-22	-162452	23131286	1.63	32070179	1.386	Si
SLV 15	-525	-231068	-1770528	2.32	13807740	7.799	Si
SLV 15	-22	-162241	15004037	1.63	32097194	2.139	Si
SLV 7	-525	-230197	-6315752	2.32	14158095	2.242	Si
SLV 7	-22	-148400	19303338	1.49	33479652	1.734	Si
SLV 10	-525	-206644	-1966612	2.08	22473508	11.428	Si
SLV 10	-22	-115010	-12849249	1.16	33650851	2.619	Si
SLV 5	-525	-201627	-3630662	2.03	23957348	6.599	Si
SLV 5	-22	-100958	-16677197	1.02	32385472	1.942	Si
SLV 16	-525	-231068	-1770528	2.32	13807740	7.799	Si
SLV 16	-22	-162241	15004037	1.63	32097194	2.139	Si
SLV 6	-525	-201627	-3630662	2.03	23957348	6.599	Si
SLV 6	-22	-100958	-16677197	1.02	32385472	1.942	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 31	-525	-276895	-21464	-5293748	2.78	2.78	1046.65	0.42	41830		1.95	Si
SLU 31	-22	-165351	-15956	4413226	1.66	1.66	1046.65	0.27	26957		1.69	Si
SLU 35	-525	-280395	-21836	-5405391	2.82	2.82	1046.65	0.43	42296		1.94	Si
SLU 35	-22	-168971	-16135	4371761	1.7	1.7	1046.65	0.28	27440		1.7	Si
SLU 26	-525	-266496	-21191	-5083800	2.68	2.68	1046.65	0.41	40443		1.91	Si
SLU 26	-22	-156156	-16097	4483076	1.57	1.57	1046.65	0.26	25731		1.6	Si
SLU 22	-525	-262996	-20819	-4972158	2.64	2.64	1046.65	0.4	39976		1.92	Si

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 22	-22	-152537	-15917	4524541	1.53	1.53	1046.65	0.25	25248		1.59	Si
SLU 33	-525	-278989	-21663	-5367542	2.81	2.81	1046.65	0.42	42109		1.94	Si
SLU 33	-22	-167618	-16019	4336434	1.69	1.69	1046.65	0.27	27259		1.7	Si
SLU 24	-525	-265090	-21018	-5045951	2.67	2.67	1046.65	0.4	40255		1.92	Si
SLU 24	-22	-154803	-15981	4447749	1.56	1.56	1046.65	0.26	25551		1.6	Si
SLU 1	-525	-203807	-15920	-3851322	2.05	2.05	1046.65	0.32	32084		2.02	Si
SLU 1	-22	-118634	-12076	3396709	1.19	1.19	1046.65	0.21	20728		1.72	Si
SLU 4	-525	-206619	-16265	-3927021	2.08	2.08	1046.65	0.33	32459		2	Si
SLU 4	-22	-121340	-12308	3467363	1.22	1.22	1046.65	0.21	21089		1.71	Si
SLU 28	-525	-274083	-21120	-5218050	2.76	2.76	1046.65	0.42	41455		1.96	Si
SLU 28	-22	-162645	-15723	4342572	1.64	1.64	1046.65	0.27	26596		1.69	Si
SLU 19	-525	-260184	-20475	-4896459	2.62	2.62	1046.65	0.4	39601		1.93	Si
SLU 19	-22	-149831	-15685	4453887	1.51	1.51	1046.65	0.25	24888		1.59	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 16	-525	-231068	-68087	-1770528	2.32	2.32	1046.65	0.45	44649		0.66	No
SLV 16	-22	-162241	-68638	15004037	1.63	1.63	1046.65	0.33	33178		0.48	No
SLV 6	-525	-201627	44609	-3630662	2.03	2.03	1046.65	0.4	39742		0.89	No
SLV 6	-22	-100958	96161	-16677197	1.02	1.02	1046.65	0.23	22964		0.24	No
SLV 15	-525	-231068	-68087	-1770528	2.32	2.32	1046.65	0.45	44649		0.66	No
SLV 15	-22	-162241	-68638	15004037	1.63	1.63	1046.65	0.33	33178		0.48	No
SLV 8	-525	-230197	-55275	-6315752	2.32	2.32	1046.65	0.45	44504		0.81	No
SLV 8	-22	-148400	-103426	19303338	1.49	1.49	1046.65	0.31	30871		0.3	No
SLV 5	-525	-201627	44609	-3630662	2.03	2.03	1046.65	0.4	39742		0.89	No
SLV 5	-22	-100958	96161	-16677197	1.02	1.02	1046.65	0.23	22964		0.24	No
SLV 9	-525	-206644	22561	-1966612	2.08	2.08	1046.65	0.41	40578		1.8	Si
SLV 9	-22	-115010	79976	-12849249	1.16	1.16	1046.65	0.25	25306		0.32	No
SLV 12	-525	-235214	-77323	-4651701	2.37	2.37	1046.65	0.46	45340		0.59	No
SLV 12	-22	-162452	-119611	23131286	1.63	1.63	1046.65	0.33	33213		0.28	No
SLV 11	-525	-235214	-77323	-4651701	2.37	2.37	1046.65	0.46	45340		0.59	No
SLV 11	-22	-162452	-119611	23131286	1.63	1.63	1046.65	0.33	33213		0.28	No
SLV 10	-525	-206644	22561	-1966612	2.08	2.08	1046.65	0.41	40578		1.8	Si
SLV 10	-22	-115010	79976	-12849249	1.16	1.16	1046.65	0.25	25306		0.32	No
SLV 7	-525	-230197	-55275	-6315752	2.32	2.32	1046.65	0.45	44504		0.81	No
SLV 7	-22	-148400	-103426	19303338	1.49	1.49	1046.65	0.31	30871		0.3	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.18 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 12	3	0.36	71.23	-195586	622021	2324520	3.74	Si
SLV 11	3	0.36	71.23	-195586	622021	2324520	3.74	Si
SLV 8	3	0.36	69.72	-191429	622021	2420030	3.89	Si
SLV 7	3	0.36	69.72	-191429	622021	2420030	3.89	Si
SLV 16	3	0.36	69.27	-190209	622021	2446854	3.93	Si
SLV 15	3	0.36	69.27	-190209	622021	2446854	3.93	Si
SLV 13	3	0.36	66.08	-181443	622021	2623722	4.22	Si
SLV 14	3	0.36	66.08	-181443	622021	2623722	4.22	Si
SLV 4	3	0.36	64.22	-176351	622021	2713604	4.36	Si
SLV 3	3	0.36	64.22	-176351	622021	2713604	4.36	Si

Maschio 22

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3002.9	4247.6	3486.2	4248.4	L1	L3	483.2	85	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-79017	0	1	0	-3.82	2.33	0	6.15	0.73	1	74510	No
SLU 30	-273.5	-99874	0	1	0	-3.82	2.33	0	3.07	0.85	1	85906	No
SLU 30	-525	-120132	0	1	0	-3.82	2.33	0	6.15	0.73	1	74510	No
SLU 29	-22	-78361	0	1	0	-3.85	2.33	0	6.18	0.73	1	74391	No
SLU 29	-273.5	-99249	0	1	0	-3.85	2.33	0	3.09	0.85	1	85847	No
SLU 29	-525	-119557	0	1	0	-3.85	2.33	0	6.18	0.73	1	74391	No
SLU 36	-22	-76277	0	1	0	-3.53	2.33	0	5.86	0.75	1	75577	No
SLU 36	-273.5	-97664	0	1	0	-3.53	2.33	0	2.93	0.85	1	86439	No
SLU 36	-525	-118404	0	1	0	-3.53	2.33	0	5.86	0.75	1	75577	No
SLU 34	-22	-75621	0	1	0	-3.56	2.33	0	5.89	0.74	1	75464	No
SLU 34	-273.5	-97039	0	1	0	-3.56	2.33	0	2.94	0.85	1	86383	No
SLU 34	-525	-117830	0	1	0	-3.56	2.33	0	5.89	0.74	1	75464	No
SLU 32	-22	-74912	0	1	0	-3.59	2.33	0	5.92	0.74	1	75339	Si
SLU 32	-273.5	-96316	0	1	0	-3.59	2.33	0	2.96	0.85	1	86320	No
SLU 32	-525	-117092	0	1	0	-3.59	2.33	0	5.92	0.74	1	75339	No
SLU 21	-22	-71406	0	1	0	-3.66	2.33	0	5.99	0.74	1	75096	Si
SLU 21	-273.5	-93015	0	1	0	-3.66	2.33	0	2.99	0.85	1	86199	No
SLU 21	-525	-114058	0	1	0	-3.66	2.33	0	5.99	0.74	1	75096	No
SLU 20	-22	-70751	0	1	0	-3.69	2.33	0	6.02	0.74	1	74970	Si
SLU 20	-273.5	-92390	0	1	0	-3.69	2.33	0	3.01	0.85	1	86136	No
SLU 20	-525	-113484	0	1	0	-3.69	2.33	0	6.02	0.74	1	74970	No
SLU 27	-22	-68666	0	1	0	-3.33	2.33	0	5.66	0.75	1	76305	Si
SLU 27	-273.5	-90805	0	1	0	-3.33	2.33	0	2.83	0.86	1	86804	No
SLU 27	-525	-112331	0	1	0	-3.33	2.33	0	5.66	0.75	1	76305	No
SLU 25	-22	-68011	0	1	0	-3.36	2.33	0	5.69	0.75	1	76186	Si
SLU 25	-273.5	-90179	0	1	0	-3.36	2.33	0	2.85	0.86	1	86744	No
SLU 25	-525	-111756	0	1	0	-3.36	2.33	0	5.69	0.75	1	76186	No
SLU 23	-22	-67302	0	1	0	-3.4	2.33	0	5.73	0.75	1	76055	Si
SLU 23	-273.5	-89457	0	1	0	-3.4	2.33	0	2.86	0.85	1	86678	No

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 23	-525	-111019	0	1	0	-3.4	2.33	0	5.73	0.75	1	76055	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 4	-525	-89355	-2080947	2.18	3687454	1.772	Si
SLV 4	-22	-57858	1777527	1.41	6473724	3.642	Si
SLV 8	-525	-94836	-1661903	2.31	2748030	1.654	Si
SLV 8	-22	-44376	-2397780	1.08	6306694	2.63	Si
SLV 14	-525	-83014	-1291965	2.02	4606048	3.565	Si
SLV 14	-22	-47637	-4216069	1.16	6421831	1.523	Si
SLV 7	-525	-94836	-1661903	2.31	2748030	1.654	Si
SLV 7	-22	-44376	-2397780	1.08	6306694	2.63	Si
SLV 15	-525	-88091	-1197745	2.14	3884859	3.243	Si
SLV 15	-22	-41107	-5585881	1	6143389	1.1	Si
SLV 3	-525	-89355	-2080947	2.18	3687454	1.772	Si
SLV 3	-22	-57858	1777527	1.41	6473724	3.642	Si
SLV 12	-525	-94457	-1396943	2.3	2817320	2.017	Si
SLV 12	-22	-39351	-4606803	0.96	6035894	1.31	Si
SLV 16	-525	-88091	-1197745	2.14	3884859	3.243	Si
SLV 16	-22	-41107	-5585881	1	6143389	1.1	Si
SLV 11	-525	-94457	-1396943	2.3	2817320	2.017	Si
SLV 11	-22	-39351	-4606803	0.96	6035894	1.31	Si
SLV 13	-525	-83014	-1291965	2.02	4606048	3.565	Si
SLV 13	-22	-47637	-4216069	1.16	6421831	1.523	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 6	-525	-81516	10693	-1578160	1.98	1.98	483.24	0.31	12897		1.21	Si
SLU 6	-22	-46247	10488	-1300963	1.13	1.13	483.24	0.2	8195		0.78	No
SLU 35	-525	-109971	14026	-2166252	2.68	2.68	483.24	0.41	16691		1.19	Si
SLU 35	-22	-65171	13742	-1604435	1.59	1.59	483.24	0.26	10718		0.78	No
SLU 1	-525	-79630	10509	-1509095	1.94	1.94	483.24	0.31	12646		1.2	Si
SLU 1	-22	-44227	10309	-1341805	1.08	1.08	483.24	0.19	7925		0.77	No
SLU 22	-525	-102586	13576	-1940946	2.5	2.5	483.24	0.38	15707		1.16	Si
SLU 22	-22	-56197	13320	-1747628	1.37	1.37	483.24	0.23	9521		0.71	No
SLU 19	-525	-101437	13570	-1901492	2.47	2.47	483.24	0.38	15553		1.15	Si
SLU 19	-22	-54886	13318	-1786020	1.34	1.34	483.24	0.23	9347		0.7	No
SLU 26	-525	-103897	13756	-1990283	2.53	2.53	483.24	0.39	15881		1.15	Si
SLU 26	-22	-57561	13498	-1725981	1.4	1.4	483.24	0.24	9703		0.72	No
SLU 28	-525	-107510	13839	-2077460	2.62	2.62	483.24	0.4	16363		1.18	Si
SLU 28	-22	-62497	13562	-1664474	1.52	1.52	483.24	0.25	10361		0.76	No
SLU 33	-525	-109396	14023	-2146525	2.66	2.66	483.24	0.4	16615		1.18	Si
SLU 33	-22	-64516	13741	-1623631	1.57	1.57	483.24	0.26	10631		0.77	No
SLU 31	-525	-108659	13845	-2116915	2.65	2.65	483.24	0.4	16516		1.19	Si
SLU 31	-22	-63807	13564	-1626082	1.55	1.55	483.24	0.26	10536		0.78	No
SLU 24	-525	-103323	13753	-1970556	2.52	2.52	483.24	0.38	15805		1.15	Si
SLU 24	-22	-56906	13497	-1745177	1.39	1.39	483.24	0.23	9616		0.71	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 11	-525	-94457	24990	-1396943	2.3	2.3	483.24	0.44	18278		0.73	No
SLV 11	-22	-39351	25303	-4606803	0.96	1.24	373.65	0.27	8519		0.34	No
SLD 15	-525	-87028	20423	-1470173	2.12	2.12	483.24	0.66	27264		1.34	Si
SLD 15	-22	-47596	20316	-3151563	1.16	1.16	483.24	0.41	16749		0.82	No
SLV 7	-525	-94836	13405	-1661903	2.31	2.31	483.24	0.45	18342		1.37	Si
SLV 7	-22	-44376	13641	-2397780	1.08	1.08	483.24	0.24	9932		0.73	No
SLD 16	-525	-87028	20423	-1470173	2.12	2.12	483.24	0.66	27264		1.34	Si
SLD 16	-22	-47596	20316	-3151563	1.16	1.16	483.24	0.41	16749		0.82	No
SLV 13	-525	-83014	27534	-1291965	2.02	2.02	483.24	0.4	16371		0.59	No
SLV 13	-22	-47637	27280	-4216069	1.16	1.22	459.35	0.27	10350		0.38	No
SLV 16	-525	-88091	32598	-1197745	2.14	2.14	483.24	0.42	17217		0.53	No
SLV 16	-22	-41107	32647	-5585881	1	1.52	317.2	0.32	8515		0.26	No
SLV 15	-525	-88091	32598	-1197745	2.14	2.14	483.24	0.42	17217		0.53	No
SLV 15	-22	-41107	32647	-5585881	1	1.52	317.2	0.32	8515		0.26	No
SLV 14	-525	-83014	27534	-1291965	2.02	2.02	483.24	0.4	16371		0.59	No
SLV 14	-22	-47637	27280	-4216069	1.16	1.22	459.35	0.27	10350		0.38	No
SLV 12	-525	-94457	24990	-1396943	2.3	2.3	483.24	0.44	18278		0.73	No
SLV 12	-22	-39351	25303	-4606803	0.96	1.24	373.65	0.27	8519		0.34	No
SLV 8	-525	-94836	13405	-1661903	2.31	2.31	483.24	0.45	18342		1.37	Si
SLV 8	-22	-44376	13641	-2397780	1.08	1.08	483.24	0.24	9932		0.73	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.16 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 2	3	0.36	57.76	-73224	256959	997359	3.88	Si
SLV 1	3	0.36	57.76	-73224	256959	997359	3.88	Si
SLV 3	3	0.36	57.55	-72963	256959	1001313	3.9	Si
SLV 4	3	0.36	57.55	-72963	256959	1001313	3.9	Si
SLV 5	3	0.36	56.12	-71145	256959	1027377	4	Si
SLV 6	3	0.36	56.12	-71145	256959	1027377	4	Si
SLV 7	3	0.36	55.43	-70276	256959	1038922	4.04	Si
SLV 8	3	0.36	55.43	-70276	256959	1038922	4.04	Si
SLV 10	3	0.36	54.51	-69102	256959	1053553	4.1	Si
SLV 9	3	0.36	54.51	-69102	256959	1053553	4.1	Si

Maschio 23

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3486.1	4564.8	3486.2	4248.4	L1	L3	316.4	50	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-8033	0	1	0	-5.05	2.33	0	7.38	0.5	1	19533	Si
SLU 30	-273.5	-23278	0	1	0	-5.05	2.33	0	3.69	0.65	1	25477	Si
SLU 30	-525	-36705	0	1	0	-5.05	2.33	0	7.38	0.5	1	19533	No
SLU 29	-22	-7954	0	1	0	-5.1	2.33	0	7.43	0.5	1	19457	Si
SLU 29	-273.5	-23140	0	1	0	-5.1	2.33	0	3.72	0.65	1	25417	Si
SLU 29	-525	-36549	0	1	0	-5.1	2.33	0	7.43	0.5	1	19457	No
SLU 36	-22	-7516	0	1	0	-4.95	2.33	0	7.28	0.5	1	19684	Si
SLU 36	-273.5	-22750	0	1	0	-4.95	2.33	0	3.64	0.66	1	25595	Si
SLU 36	-525	-36196	0	1	0	-4.95	2.33	0	7.28	0.5	1	19684	No
SLU 34	-22	-7436	0	1	0	-5.01	2.33	0	7.34	0.5	1	19604	Si
SLU 34	-273.5	-22612	0	1	0	-5.01	2.33	0	3.67	0.65	1	25533	Si
SLU 34	-525	-36040	0	1	0	-5.01	2.33	0	7.34	0.5	1	19604	No
SLU 32	-22	-7344	0	1	0	-5.07	2.33	0	7.4	0.5	1	19510	Si
SLU 32	-273.5	-22450	0	1	0	-5.07	2.33	0	3.7	0.65	1	25459	Si
SLU 32	-525	-35853	0	1	0	-5.07	2.33	0	7.4	0.5	1	19510	No
SLU 20	-22	-6786	0	1	0	-5.36	2.33	0	7.69	0.49	1	19067	Si
SLU 20	-273.5	-21570	0	1	0	-5.36	2.33	0	3.85	0.64	1	25111	Si
SLU 20	-525	-34875	0	1	0	-5.36	2.33	0	7.69	0.49	1	19067	No
SLU 21	-22	-6866	0	1	0	-5.3	2.33	0	7.63	0.49	1	19161	Si
SLU 21	-273.5	-21708	0	1	0	-5.3	2.33	0	3.82	0.64	1	25184	Si
SLU 21	-525	-35031	0	1	0	-5.3	2.33	0	7.63	0.49	1	19161	No
SLU 23	-22	-6177	0	1	0	-5.35	2.33	0	7.68	0.49	1	19092	Si
SLU 23	-273.5	-20880	0	1	0	-5.35	2.33	0	3.84	0.64	1	25131	Si
SLU 23	-525	-34179	0	1	0	-5.35	2.33	0	7.68	0.49	1	19092	No
SLU 25	-22	-6269	0	1	0	-5.27	2.33	0	7.6	0.49	1	19210	Si
SLU 25	-273.5	-21042	0	1	0	-5.27	2.33	0	3.8	0.65	1	25223	Si
SLU 25	-525	-34366	0	1	0	-5.27	2.33	0	7.6	0.49	1	19210	No
SLU 27	-22	-6349	0	1	0	-5.2	2.33	0	7.53	0.49	1	19309	Si
SLU 27	-273.5	-21180	0	1	0	-5.2	2.33	0	3.77	0.65	1	25301	Si
SLU 27	-525	-34522	0	1	0	-5.2	2.33	0	7.53	0.49	1	19309	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 16	-525	-26713	-116008	1.69	1505729	12.98	Si
SLV 16	-22	2903	-809510	0	0	0	No
SLV 15	-525	-26713	-116008	1.69	1505729	12.98	Si
SLV 15	-22	2903	-809510	0	0	0	No
SLV 6	-525	-23072	-392551	1.46	1620712	4.129	Si
SLV 6	-22	-10656	1381644	0.67	1252880	0.907	No
SLV 5	-525	-23072	-392551	1.46	1620712	4.129	Si
SLV 5	-22	-10656	1381644	0.67	1252880	0.907	No
SLV 12	-525	-29942	4007	1.89	1319221	329.249	Si
SLV 12	-22	826	-625433	0	0	0	No
SLV 11	-525	-29942	4007	1.89	1319221	329.249	Si
SLV 11	-22	826	-625433	0	0	0	No
SLV 14	-525	-24489	-231260	1.55	1587974	6.867	Si
SLV 14	-22	665	-382750	0	0	0	No
SLV 1	-525	-26301	-272536	1.66	1523828	5.591	Si
SLV 1	-22	-12734	1565721	0.8	1396305	0.892	No
SLV 13	-525	-24489	-231260	1.55	1587974	6.867	Si
SLV 13	-22	665	-382750	0	0	0	No
SLV 2	-525	-26301	-272536	1.66	1523828	5.591	Si
SLV 2	-22	-12734	1565721	0.8	1396305	0.892	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 34	-525	-36040	-11564	-280178	2.28	2.28	316.38	0.35	5587		0.48	No
SLU 34	-22	-7436	-12409	601676	0.47	0.64	231.84	0.13	1564		0.13	No
SLU 35	-525	-33846	-9979	-239528	2.14	2.14	316.38	0.33	5294		0.53	No
SLU 35	-22	-5722	-10766	462631	0.36	0.49	232.02	0.12	1336		0.12	No
SLU 24	-525	-32016	-8783	-208071	2.02	2.02	316.38	0.32	5050		0.57	No
SLU 24	-22	-4475	-9506	337599	0.28	0.36	248.24	0.1	1210		0.13	No
SLU 26	-525	-32171	-8860	-210266	2.03	2.03	316.38	0.32	5071		0.57	No
SLU 26	-22	-4555	-9591	349668	0.29	0.37	244.26	0.1	1210		0.13	No
SLU 27	-525	-34522	-10523	-253111	2.18	2.18	316.38	0.34	5384		0.51	No
SLU 27	-22	-6349	-11320	500782	0.4	0.53	237.93	0.12	1434		0.13	No
SLU 33	-525	-33690	-9901	-237333	2.13	2.13	316.38	0.33	5273		0.53	No
SLU 33	-22	-5642	-10680	450562	0.36	0.48	235.01	0.11	1333		0.12	No
SLU 36	-525	-36196	-11641	-282373	2.29	2.29	316.38	0.35	5607		0.48	No
SLU 36	-22	-7516	-12495	613745	0.48	0.65	229.59	0.14	1569		0.13	No
SLU 31	-525	-33502	-9750	-233477	2.12	2.12	316.38	0.33	5248		0.54	No
SLU 31	-22	-5550	-10520	435693	0.35	0.46	239.08	0.11	1330		0.13	No
SLU 32	-525	-35853	-11413	-276322	2.27	2.27	316.38	0.35	5562		0.49	No
SLU 32	-22	-7344	-12249	586808	0.46	0.63	234.87	0.13	1559		0.13	No
SLU 25	-525	-34366	-10445	-250916	2.17	2.17	316.38	0.34	5363		0.51	No
SLU 25	-22	-6269	-11235	488713	0.4	0.52	240.69	0.12	1430		0.13	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 10	-525	-22529	-16115	-380168	1.42	1.42	316.38	0.3	4731		0.29	No
SLV 10	-22	-6637	-17220	797102	0.42	1.16	114.26	0.26	1459		0.08	No
SLV 13	-525	-24489	-11535	-231260	1.55	1.55	316.38	0.32	5058		0.44	No
SLV 13	-22	665	-12215	-382750	-0.04	0	0	0.06	0		0	No
SLV 11	-525	-29942	-740	4007	1.89	1.89	316.38	0.38	5967		8.06	Si
SLV 11	-22	826	-798	-625433	-0.05	0	0	0.06	0		0	No
SLV 5	-525	-23072	-15429	-392551	1.46	1.46	316.38	0.3	4822		0.31	No
SLV 5	-22	-10656	-16584	1381644	0.67	2.49	85.61	0.48	2040		0.12	No
SLV 14	-525	-24489	-11535	-231260	1.55	1.55	316.38	0.32	5058		0.44	No
SLV 14	-22	665	-12215	-382750	-0.04	0	0	0.06	0		0	No
SLV 15	-525	-26713	-6922	-116008	1.69	1.69	316.38	0.34	5429		0.78	No
SLV 15	-22	2903	-7288	-809510	-0.18	0	0	0.06	0		0	No
SLV 6	-525	-23072	-15429	-392551	1.46	1.46	316.38	0.3	4822		0.31	No

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 6	-22	-10656	-16584	1381644	0.67	2.49	85.61	0.48	2040		0.12	No
SLV 9	-525	-22529	-16115	-380168	1.42	1.42	316.38	0.3	4731		0.29	No
SLV 9	-22	-6637	-17220	797102	0.42	1.16	114.26	0.26	1459		0.08	No
SLV 16	-525	-26713	-6922	-116008	1.69	1.69	316.38	0.34	5429		0.78	No
SLV 16	-22	2903	-7288	-809510	-0.18	0	0	0.06	0		0	No
SLV 12	-525	-29942	-740	4007	1.89	1.89	316.38	0.38	5967		8.06	Si
SLV 12	-22	826	-798	-625433	-0.05	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 16	3	0.36	12.21	-10137	98961	191529	1.94	Si
SLV 15	3	0.36	12.21	-10137	98961	191529	1.94	Si
SLV 14	3	0.36	12.61	-10463	98961	195624	1.98	Si
SLV 13	3	0.36	12.61	-10463	98961	195624	1.98	Si
SLV 11	3	0.36	16.79	-13934	98961	231391	2.34	Si
SLV 12	3	0.36	16.79	-13934	98961	231391	2.34	Si
SLV 10	3	0.36	18.09	-15018	98961	239587	2.42	Si
SLV 9	3	0.36	18.09	-15018	98961	239587	2.42	Si
SLV 8	3	0.36	21.1	-17514	98961	253069	2.56	Si
SLV 7	3	0.36	21.1	-17514	98961	253069	2.56	Si

Maschio 24

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3861.2	4564.8	3861.2	4926	L1	L3	361.2	60	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-14019	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 30	-273.5	-36352	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 30	-525	-50418	0	1	0	0	2.33	0	2.33	0.79	1	42299	No
SLU 29	-22	-13842	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 29	-273.5	-36106	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 29	-525	-50150	0	1	0	0	2.33	0	2.33	0.79	1	42299	No
SLU 36	-22	-13833	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 36	-273.5	-35905	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 36	-525	-49905	0	1	0	0	2.33	0	2.33	0.79	1	42299	No
SLU 34	-22	-13656	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 34	-273.5	-35659	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 34	-525	-49637	0	1	0	0	2.33	0	2.33	0.79	1	42299	No
SLU 32	-22	-13571	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 32	-273.5	-35504	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 32	-525	-49385	0	1	0	0	2.33	0	2.33	0.79	1	42299	No
SLU 21	-22	-12822	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 21	-273.5	-34392	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 21	-525	-48104	0	1	0	0	2.33	0	2.33	0.79	1	42299	No
SLU 20	-22	-12645	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 20	-273.5	-34146	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 20	-525	-47836	0	1	0	0	2.33	0	2.33	0.79	1	42299	No
SLU 27	-22	-12636	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 27	-273.5	-33944	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 27	-525	-47591	0	1	0	0	2.33	0	2.33	0.79	1	42299	No
SLU 25	-22	-12459	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 25	-273.5	-33698	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 25	-525	-47323	0	1	0	0	2.33	0	2.33	0.79	1	42299	No
SLU 23	-22	-12374	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 23	-273.5	-33543	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 23	-525	-47071	0	1	0	0	2.33	0	2.33	0.79	1	42299	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 3	-525	-42712	-154342	1.97	1918026	12.427	Si
SLV 3	-22	-19325	2259021	0.89	2303430	1.02	Si
SLV 9	-525	-23035	889641	1.06	2474175	2.781	Si
SLV 9	-22	8500	-917379	0	0	0	No
SLV 10	-525	-23035	889641	1.06	2474175	2.781	Si
SLV 10	-22	8500	-917379	0	0	0	No
SLV 5	-525	-24495	773704	1.13	2517419	3.254	Si
SLV 5	-22	5682	-243587	0	0	0	No
SLV 13	-525	-30222	598016	1.39	2556205	4.274	Si
SLV 13	-22	94	-779192	0	0	0	No
SLV 2	-525	-35091	211559	1.62	2425297	11.464	Si
SLV 2	-22	-9301	1466783	0.43	1404792	0.958	No
SLV 6	-525	-24495	773704	1.13	2517419	3.254	Si
SLV 6	-22	5682	-243587	0	0	0	No
SLV 4	-525	-42712	-154342	1.97	1918026	12.427	Si
SLV 4	-22	-19325	2259021	0.89	2303430	1.02	Si
SLV 14	-525	-30222	598016	1.39	2556205	4.274	Si
SLV 14	-22	94	-779192	0	0	0	No
SLV 1	-525	-35091	211559	1.62	2425297	11.464	Si
SLV 1	-22	-9301	1466783	0.43	1404792	0.958	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 22	-525	-44035	-1892	232404	2.03	2.03	361.16	0.32	6941		3.67	Si
SLU 22	-22	-10915	-1735	1012212	0.5	0.69	263.53	0.14	2236		1.29	Si

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 6	-525	-34859	-1159	210360	1.61	1.61	361.16	0.26	5718		4.93	Si
SLU 6	-22	-8878	-1033	741805	0.41	0.51	291.08	0.12	2046		1.98	Si
SLU 8	-525	-35127	-1126	216987	1.62	1.62	361.16	0.27	5754		5.11	Si
SLU 8	-22	-9055	-997	737424	0.42	0.51	297.43	0.12	2089		2.09	Si
SLU 28	-525	-45813	-1496	266486	2.11	2.11	361.16	0.33	7179		4.8	Si
SLU 28	-22	-11758	-1332	978713	0.54	0.67	292.02	0.14	2433		1.83	Si
SLU 19	-525	-43499	-1959	219149	2.01	2.01	361.16	0.32	6870		3.51	Si
SLU 19	-22	-10561	-1806	1020976	0.49	0.7	251.72	0.14	2154		1.19	Si
SLU 1	-525	-34071	-1385	181061	1.57	1.57	361.16	0.26	5613		4.05	Si
SLU 1	-22	-8439	-1264	774220	0.39	0.53	266.53	0.12	1915		1.51	Si
SLU 26	-525	-44555	-1700	255076	2.06	2.06	361.16	0.32	7011		4.12	Si
SLU 26	-22	-11177	-1539	984180	0.52	0.67	277.57	0.14	2313		1.5	Si
SLU 4	-525	-34607	-1318	194316	1.6	1.6	361.16	0.26	5684		4.31	Si
SLU 4	-22	-8793	-1193	765456	0.41	0.52	280.59	0.12	2004		1.68	Si
SLU 24	-525	-44287	-1733	248448	2.04	2.04	361.16	0.32	6975		4.02	Si
SLU 24	-22	-11000	-1574	988562	0.51	0.67	272.13	0.14	2273		1.44	Si
SLU 31	-525	-46349	-1429	279741	2.14	2.14	361.16	0.33	7250		5.07	Si
SLU 31	-22	-12112	-1261	969949	0.56	0.67	301.49	0.14	2508		1.99	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 14	-525	-30222	7655	598016	1.39	1.39	361.16	0.29	6375		0.83	No
SLV 14	-22	94	7651	-779192	0	0	0	0.06	0		0	No
SLV 13	-525	-30222	7655	598016	1.39	1.39	361.16	0.29	6375		0.83	No
SLV 13	-22	94	7651	-779192	0	0	0	0.06	0		0	No
SLV 8	-525	-49899	-12776	-445967	2.3	2.3	361.16	0.45	9654		0.76	No
SLV 8	-22	-27731	-12220	2397208	1.28	1.64	282.4	0.33	5668		0.46	No
SLV 4	-525	-42712	-9491	-154342	1.97	1.97	361.16	0.39	8456		0.89	No
SLV 4	-22	-19325	-9227	2259021	0.89	1.69	191.05	0.34	3928		0.43	No
SLV 7	-525	-49899	-12776	-445967	2.3	2.3	361.16	0.45	9654		0.76	No
SLV 7	-22	-27731	-12220	2397208	1.28	1.64	282.4	0.33	5668		0.46	No
SLV 5	-525	-24495	7633	773704	1.13	1.13	361.16	0.25	5420		0.71	No
SLV 5	-22	5682	7341	-243587	-0.26	0	0	0.06	0		0	No
SLV 9	-525	-23035	10940	889641	1.06	1.06	361.16	0.24	5177		0.47	No
SLV 9	-22	8500	10644	-917379	-0.39	0	0	0.06	0		0	No
SLV 10	-525	-23035	10940	889641	1.06	1.06	361.16	0.24	5177		0.47	No
SLV 10	-22	8500	10644	-917379	-0.39	0	0	0.06	0		0	No
SLV 3	-525	-42712	-9491	-154342	1.97	1.97	361.16	0.39	8456		0.89	No
SLV 3	-22	-19325	-9227	2259021	0.89	1.69	191.05	0.34	3928		0.43	No
SLV 6	-525	-24495	7633	773704	1.13	1.13	361.16	0.25	5420		0.71	No
SLV 6	-22	5682	7341	-243587	-0.26	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.11 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 10	3	0.36	5.79	-5484	135560	148644	1.1	Si
SLV 9	3	0.36	5.79	-5484	135560	148644	1.1	Si
SLV 6	3	0.36	9.47	-8977	135560	226779	1.67	Si
SLV 5	3	0.36	9.47	-8977	135560	226779	1.67	Si
SLV 7	3	0.36	49.09	-46510	135560	253770	1.87	Si
SLV 8	3	0.36	49.09	-46510	135560	253770	1.87	Si
SLV 12	3	0.36	45.4	-43017	135560	314004	2.32	Si
SLV 11	3	0.36	45.4	-43017	135560	314004	2.32	Si
SLV 13	3	0.36	15.35	-14545	135560	324711	2.4	Si
SLV 14	3	0.36	15.35	-14545	135560	324711	2.4	Si
PFFP SLV		1.097		SLV 9			Si	

Maschio 25

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2420.5	4564.8	2220.2	4564.8	L1	L3	200.3	90	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 4	-22	78	0	1	0	-5.65	2.33	0	0	0	0	0	No
SLU 4	-273.5	-9997	0	1	0	-5.65	2.33	0	3.99	0.83	1	36862	Si
SLU 4	-525	-17861	0	1	0	-5.65	2.33	0	7.98	0.7	1	30997	Si
SLU 6	-22	155	0	1	0	-2.85	2.33	0	0	0	0	0	No
SLU 6	-273.5	-9988	0	1	0	-2.85	2.33	0	2.59	0.88	1	39017	Si
SLU 6	-525	-17879	0	1	0	-2.85	2.33	0	5.18	0.79	1	35023	Si
SLU 8	-22	200	0	1	0	-2.22	2.33	0	0	0	0	0	No
SLU 8	-273.5	-9991	0	1	0	-2.22	2.33	0	2.33	0.89	1	39420	Si
SLU 8	-525	-17898	0	1	0	-2.22	2.33	0	4.55	0.81	1	36005	Si
SLU 26	-22	301	0	1	0	-1.82	2.33	0	0	0	0	0	No
SLU 26	-273.5	-12787	0	1	0	-1.82	2.33	0	2.33	0.89	1	39420	Si
SLU 26	-525	-23027	0	1	0	-1.82	2.33	0	4.15	0.82	1	36610	Si
SLU 24	-22	256	0	1	0	-2.14	2.33	0	0	0	0	0	No
SLU 24	-273.5	-12785	0	1	0	-2.14	2.33	0	2.33	0.89	1	39420	Si
SLU 24	-525	-23008	0	1	0	-2.14	2.33	0	4.47	0.81	1	36120	Si
SLU 22	-22	179	0	1	0	-3.06	2.33	0	0	0	0	0	No
SLU 22	-273.5	-12794	0	1	0	-3.06	2.33	0	2.7	0.87	1	38858	Si
SLU 22	-525	-22990	0	1	0	-3.06	2.33	0	5.39	0.78	1	34704	Si
SLU 19	-22	90	0	1	0	-6.1	2.33	0	0	0	0	0	No
SLU 19	-273.5	-12789	0	1	0	-6.1	2.33	0	4.22	0.82	1	36515	Si
SLU 19	-525	-22951	0	1	0	-6.1	2.33	0	8.43	0.69	1	30569	Si
SLU 35	-22	-3	0	1	0	15	2.33	0	17.33	0.5	1	22106	Si
SLU 35	-273.5	-13373	0	1	0	15	2.33	0	8.67	0.68	1	30345	Si

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 35	-525	-23662	0	1	0	15	2.33	0	17.33	0.5	1	22106	No
SLU 33	-22	-47	0	1	0	13.31	2.33	0	15.64	0.53	1	23720	Si
SLU 33	-273.5	-13371	0	1	0	13.31	2.33	0	7.82	0.7	1	31149	Si
SLU 33	-525	-23643	0	1	0	13.31	2.33	0	15.64	0.53	1	23720	Si
SLU 1	-22	-11	0	1	0	15	2.33	0	17.33	0.5	1	22106	Si
SLU 1	-273.5	-9992	0	1	0	15	2.33	0	8.67	0.68	1	30345	Si
SLU 1	-525	-17822	0	1	0	15	2.33	0	17.33	0.5	1	22106	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 6	-470	-12868	204980	0.71	938365	4.578	Si
SLV 6	-160	-2462	-579364	0	0	0	No
SLV 5	-470	-12868	204980	0.71	938365	4.578	Si
SLV 5	-160	-2462	-579364	0	0	0	No
SLD 10	-470	-14923	-26767	0.83	1200127	44.835	Si
SLD 10	-160	-4207	-365818	0.23	398030	1.088	Si
SLV 14	-470	-13378	-228695	0.74	961127	4.203	Si
SLV 14	-160	-2382	-196688	0.13	226628	1.152	Si
SLV 10	-470	-11226	91831	0.62	857694	9.34	Si
SLV 10	-160	-661	-488516	0	0	0	No
SLD 6	-470	-15649	23305	0.87	1243497	53.358	Si
SLD 6	-160	-5004	-406022	0.28	468152	1.153	Si
SLV 9	-470	-11226	91831	0.62	857694	9.34	Si
SLV 9	-160	-661	-488516	0	0	0	No
SLV 13	-470	-13378	-228695	0.74	961127	4.203	Si
SLV 13	-160	-2382	-196688	0.13	226628	1.152	Si
SLD 9	-470	-14923	-26767	0.83	1200127	44.835	Si
SLD 9	-160	-4207	-365818	0.23	398030	1.088	Si
SLD 5	-470	-15649	23305	0.87	1243497	53.358	Si
SLD 5	-160	-5004	-406022	0.28	468152	1.153	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 12	-470	-19236	693	-90823	1.07	1.07	200.35	0.19	3455		4.98	Si
SLU 12	-160	-8401	693	-316009	0.47	0.5	187.68	0.12	1954		2.82	Si
SLU 35	-470	-22548	672	-140709	1.25	1.25	200.35	0.22	3897		5.8	Si
SLU 35	-160	-8464	672	-362302	0.47	0.55	172.1	0.12	1893		2.82	Si
SLU 36	-470	-23667	795	-127714	1.31	1.31	200.35	0.22	4046		5.09	Si
SLU 36	-160	-9582	795	-387478	0.53	0.59	179.21	0.13	2074		2.61	Si
SLU 17	-470	-17634	628	-93567	0.98	0.98	200.35	0.18	3242		5.16	Si
SLU 17	-160	-6800	628	-298470	0.38	0.45	168.83	0.11	1657		2.64	Si
SLU 18	-470	-18753	751	-80572	1.04	1.04	200.35	0.19	3391		4.51	Si
SLU 18	-160	-7918	751	-323646	0.44	0.49	177.9	0.12	1846		2.46	Si
SLU 14	-470	-18759	672	-91848	1.04	1.04	200.35	0.19	3392		5.04	Si
SLU 14	-160	-7924	672	-310546	0.44	0.48	182.95	0.11	1870		2.78	Si
SLU 32	-470	-23673	716	-138989	1.31	1.31	200.35	0.22	4047		5.65	Si
SLU 32	-160	-9588	716	-374378	0.53	0.58	183.38	0.13	2093		2.92	Si
SLU 15	-470	-17632	596	-98112	0.98	0.98	200.35	0.18	3241		5.44	Si
SLU 15	-160	-6797	596	-293143	0.38	0.44	171.14	0.11	1667		2.8	Si
SLU 34	-470	-23665	763	-132258	1.31	1.31	200.35	0.22	4046		5.3	Si
SLU 34	-160	-9580	763	-382151	0.53	0.59	180.84	0.13	2081		2.73	Si
SLU 16	-470	-18750	719	-85117	1.04	1.04	200.35	0.19	3390		4.71	Si
SLU 16	-160	-7916	719	-318319	0.44	0.49	179.88	0.11	1855		2.58	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 6	-470	-12868	2583	204980	0.71	0.71	200.35	0.18	3258		1.26	Si
SLV 6	-160	-2462	2598	-579364	0.14	0	0	0.06	0		0	No
SLV 9	-470	-11226	1895	91831	0.62	0.62	200.35	0.17	2984		1.57	Si
SLV 9	-160	-661	1916	-488516	0.04	0	0	0.06	0		0	No
SLD 6	-470	-15649	1390	23305	0.87	0.87	200.35	0.33	5954		4.28	Si
SLD 6	-160	-5004	1396	-406022	0.28	0.97	57.12	0.36	1842		1.32	Si
SLD 5	-470	-15649	1390	23305	0.87	0.87	200.35	0.33	5954		4.28	Si
SLD 5	-160	-5004	1396	-406022	0.28	0.97	57.12	0.36	1842		1.32	Si
SLD 10	-470	-14923	1085	-26767	0.83	0.83	200.35	0.32	5760		5.31	Si
SLD 10	-160	-4207	1095	-365818	0.23	1.18	39.67	0.41	1475		1.35	Si
SLV 1	-470	-18849	2128	148467	1.05	1.05	200.35	0.24	4255		2	Si
SLV 1	-160	-8386	2124	-499514	0.47	0.76	121.82	0.19	2074		0.98	No
SLV 2	-470	-18849	2128	148467	1.05	1.05	200.35	0.24	4255		2	Si
SLV 2	-160	-8386	2124	-499514	0.47	0.76	121.82	0.19	2074		0.98	No
SLV 10	-470	-11226	1895	91831	0.62	0.62	200.35	0.17	2984		1.57	Si
SLV 10	-160	-661	1916	-488516	0.04	0	0	0.06	0		0	No
SLD 9	-470	-14923	1085	-26767	0.83	0.83	200.35	0.32	5760		5.31	Si
SLD 9	-160	-4207	1095	-365818	0.23	1.18	39.67	0.41	1475		1.35	Si
SLV 5	-470	-12868	2583	204980	0.71	0.71	200.35	0.18	3258		1.26	Si
SLV 5	-160	-2462	2598	-579364	0.14	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.17 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 9	3	0.36	8.43	-4432	112799	180756	1.6	Si
SLV 10	3	0.36	8.43	-4432	112799	180756	1.6	Si
SLV 5	3	0.36	11.67	-6131	112799	240145	2.13	Si
SLV 6	3	0.36	11.67	-6131	112799	240145	2.13	Si
SLV 13	3	0.36	12.01	-6312	112799	246123	2.18	Si
SLV 14	3	0.36	12.01	-6312	112799	246123	2.18	Si
SLV 16	3	0.36	18.31	-9622	112799	344908	3.06	Si
SLV 15	3	0.36	18.31	-9622	112799	344908	3.06	Si
SLV 2	3	0.36	22.78	-11976	112799	402471	3.57	Si
SLV 1	3	0.36	22.78	-11976	112799	402471	3.57	Si

Maschio 26

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3071	4564.8	2520.5	4564.8	L1	L3	550.5	90	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-51281	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 30	-273.5	-89210	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 30	-525	-109710	0	1	0	0	2.33	0	2.33	0.89	1	108319	No
SLU 29	-22	-50935	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 29	-273.5	-88831	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 29	-525	-109349	0	1	0	0	2.33	0	2.33	0.89	1	108319	No
SLU 36	-22	-50233	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 36	-273.5	-88091	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 36	-525	-108694	0	1	0	0	2.33	0	2.33	0.89	1	108319	No
SLU 34	-22	-49887	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 34	-273.5	-87712	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 34	-525	-108333	0	1	0	0	2.33	0	2.33	0.89	1	108319	No
SLU 32	-22	-49456	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 32	-273.5	-87261	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 32	-525	-107910	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 21	-22	-47645	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 21	-273.5	-85306	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 21	-525	-106067	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 20	-22	-47299	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 20	-273.5	-84927	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 20	-525	-105706	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 27	-22	-46597	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 27	-273.5	-84186	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 27	-525	-105050	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 25	-22	-46251	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 25	-273.5	-83808	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 25	-525	-104690	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 23	-22	-45820	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 23	-273.5	-83356	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si
SLU 23	-525	-104267	0	1	0	0	2.33	0	2.33	0.89	1	108319	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 6	-470	-62629	2197025	1.26	8932738	4.066	Si
SLV 6	-160	-34784	-3274056	0.7	7012298	2.142	Si
SLV 5	-470	-62629	2197025	1.26	8932738	4.066	Si
SLV 5	-160	-34784	-3274056	0.7	7012298	2.142	Si
SLV 8	-470	-101569	189280	2.05	6111277	32.287	Si
SLV 8	-160	-77823	-3561406	1.57	8595862	2.414	Si
SLV 2	-470	-83331	2393061	1.68	8232238	3.44	Si
SLV 2	-160	-55614	-4724822	1.12	8758344	1.854	Si
SLV 9	-470	-56566	1426670	1.14	8794237	6.164	Si
SLV 9	-160	-29842	-2116747	0.6	6328277	2.99	Si
SLV 1	-470	-83331	2393061	1.68	8232238	3.44	Si
SLV 1	-160	-55614	-4724822	1.12	8758344	1.854	Si
SLV 4	-470	-95013	1790738	1.92	7035825	3.929	Si
SLV 4	-160	-68525	-4811026	1.38	8918099	1.854	Si
SLV 7	-470	-101569	189280	2.05	6111277	32.287	Si
SLV 7	-160	-77823	-3561406	1.57	8595862	2.414	Si
SLV 10	-470	-56566	1426670	1.14	8794237	6.164	Si
SLV 10	-160	-29842	-2116747	0.6	6328277	2.99	Si
SLV 3	-470	-95013	1790738	1.92	7035825	3.929	Si
SLV 3	-160	-68525	-4811026	1.38	8918099	1.854	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 32	-470	-106043	15686	1152176	2.14	2.14	550.51	0.33	16586		1.06	Si
SLU 32	-160	-73237	12689	-3974862	1.48	1.48	550.51	0.25	12212		0.96	No
SLU 18	-470	-85745	13746	1020731	1.73	1.73	550.51	0.28	13879		1.01	Si
SLU 18	-160	-60505	11405	-3437005	1.22	1.22	550.51	0.21	10514		0.92	No
SLU 29	-470	-107571	15951	1204682	2.17	2.17	550.51	0.34	16790		1.05	Si
SLU 29	-160	-74810	12902	-4004161	1.51	1.51	550.51	0.25	12421		0.96	No
SLU 30	-470	-107956	16165	1215613	2.18	2.18	550.51	0.34	16841		1.04	Si
SLU 30	-160	-75185	13121	-4058745	1.52	1.52	550.51	0.25	12471		0.95	No
SLU 14	-470	-84905	13258	992518	1.71	1.71	550.51	0.28	13767		1.04	Si
SLU 14	-160	-59683	10910	-3316249	1.2	1.2	550.51	0.21	10404		0.95	No
SLU 34	-470	-106500	15959	1169457	2.15	2.15	550.51	0.34	16647		1.04	Si
SLU 34	-160	-73684	12965	-4041035	1.49	1.49	550.51	0.25	12271		0.95	No
SLU 36	-470	-106884	16173	1180388	2.16	2.16	550.51	0.34	16698		1.03	Si
SLU 36	-160	-74059	13184	-4095618	1.49	1.49	550.51	0.25	12321		0.93	No
SLU 12	-470	-86817	13738	1055956	1.75	1.75	550.51	0.28	14022		1.02	Si
SLU 12	-160	-61631	11343	-3400131	1.24	1.24	550.51	0.22	10664		0.94	No
SLU 16	-470	-85361	13531	1009800	1.72	1.72	550.51	0.28	13828		1.02	Si
SLU 16	-160	-60130	11186	-3382421	1.21	1.21	550.51	0.21	10464		0.94	No
SLU 11	-470	-86433	13523	1045025	1.74	1.74	550.51	0.28	13971		1.03	Si
SLU 11	-160	-61256	11124	-3345548	1.24	1.24	550.51	0.21	10614		0.95	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 1.5 (SLD), γM = 2.4 (SLV)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLD 2	-470	-80955	15949	1509434	1.63	1.63	550.51	0.53	26481		1.66	Si
SLD 2	-160	-54622	14937	-3673648	1.1	1.1	550.51	0.39	19459		1.3	Si
SLV 6	-470	-62629	16202	2197025	1.26	1.26	550.51	0.27	13497		0.83	No
SLV 6	-160	-34784	17805	-3274056	0.7	0.71	543.39	0.18	8816		0.5	No
SLV 1	-470	-83331	22062	2393061	1.68	1.68	550.51	0.34	16947		0.77	No
SLV 1	-160	-55614	22652	-4724822	1.12	1.12	550.51	0.25	12327		0.54	No

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 2	-470	-83331	22062	2393061	1.68	1.68	550.51	0.34	16947		0.77	No
SLV 2	-160	-55614	22652	-4724822	1.12	1.12	550.51	0.25	12327		0.54	No
SLV 10	-470	-56566	9982	1426670	1.14	1.14	550.51	0.25	12486		1.25	Si
SLV 10	-160	-29842	10459	-2116747	0.6	0.6	550.51	0.16	8032		0.77	No
SLV 5	-470	-62629	16202	2197025	1.26	1.26	550.51	0.27	13497		0.83	No
SLV 5	-160	-34784	17805	-3274056	0.7	0.71	543.39	0.18	8816		0.5	No
SLV 4	-470	-95013	20864	1790738	1.92	1.92	550.51	0.38	18894		0.91	No
SLV 4	-160	-68525	19461	-4811026	1.38	1.38	550.51	0.29	14479		0.74	No
SLV 3	-470	-95013	20864	1790738	1.92	1.92	550.51	0.38	18894		0.91	No
SLV 3	-160	-68525	19461	-4811026	1.38	1.38	550.51	0.29	14479		0.74	No
SLD 1	-470	-80955	15949	1509434	1.63	1.63	550.51	0.53	26481		1.66	Si
SLD 1	-160	-54622	14937	-3673648	1.1	1.1	550.51	0.39	19459		1.3	Si
SLV 9	-470	-56566	9982	1426670	1.14	1.14	550.51	0.25	12486		1.25	Si
SLV 9	-160	-29842	10459	-2116747	0.6	0.6	550.51	0.16	8032		0.77	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.17 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 9	3	0.36	28.28	-40840	309949	1260375	4.07	Si
SLV 10	3	0.36	28.28	-40840	309949	1260375	4.07	Si
SLV 8	3	0.36	61.19	-88376	309949	1272969	4.11	Si
SLV 7	3	0.36	61.19	-88376	309949	1272969	4.11	Si
SLV 6	3	0.36	31.79	-45910	309949	1336251	4.31	Si
SLV 5	3	0.36	31.79	-45910	309949	1336251	4.31	Si
SLV 11	3	0.36	57.68	-83306	309949	1346159	4.34	Si
SLV 12	3	0.36	57.68	-83306	309949	1346159	4.34	Si
SLV 13	3	0.36	34.47	-49789	309949	1382288	4.46	Si
SLV 14	3	0.36	34.47	-49789	309949	1382288	4.46	Si

Maschio 27

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
5598.7	4564.8	3171	4564.8	L1	L3	2427.7	90	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-217218	0	1	0	1.13	2.33	0	3.46	0.85	1	456512	Si
SLU 30	-273.5	-360256	0	1	0	1.13	2.33	0	2.33	0.89	1	477674	Si
SLU 30	-525	-495384	0	1	0	1.13	2.33	0	3.46	0.85	1	456512	No
SLU 29	-22	-214696	0	1	0	1.15	2.33	0	3.48	0.85	1	456264	Si
SLU 29	-273.5	-357857	0	1	0	1.15	2.33	0	2.33	0.89	1	477674	Si
SLU 29	-525	-493030	0	1	0	1.15	2.33	0	3.48	0.85	1	456264	No
SLU 36	-22	-211048	0	1	0	1	2.33	0	3.33	0.85	1	459010	Si
SLU 36	-273.5	-353896	0	1	0	1	2.33	0	2.33	0.89	1	477674	Si
SLU 36	-525	-488922	0	1	0	1	2.33	0	3.33	0.85	1	459010	No
SLU 34	-22	-208525	0	1	0	1.01	2.33	0	3.34	0.85	1	458784	Si
SLU 34	-273.5	-351497	0	1	0	1.01	2.33	0	2.33	0.89	1	477674	Si
SLU 34	-525	-486567	0	1	0	1.01	2.33	0	3.34	0.85	1	458784	No
SLU 32	-22	-206035	0	1	0	1.02	2.33	0	3.35	0.85	1	458556	Si
SLU 32	-273.5	-349089	0	1	0	1.02	2.33	0	2.33	0.89	1	477674	Si
SLU 32	-525	-484291	0	1	0	1.02	2.33	0	3.35	0.85	1	458556	No
SLU 21	-22	-193617	0	1	0	1.04	2.33	0	3.37	0.85	1	458160	Si
SLU 21	-273.5	-337110	0	1	0	1.04	2.33	0	2.33	0.89	1	477674	Si
SLU 21	-525	-472555	0	1	0	1.04	2.33	0	3.37	0.85	1	458160	No
SLU 20	-22	-191094	0	1	0	1.06	2.33	0	3.39	0.85	1	457902	Si
SLU 20	-273.5	-334712	0	1	0	1.06	2.33	0	2.33	0.89	1	477674	Si
SLU 20	-525	-470201	0	1	0	1.06	2.33	0	3.39	0.85	1	457902	No
SLU 27	-22	-187446	0	1	0	0.89	2.33	0	3.22	0.85	1	461025	Si
SLU 27	-273.5	-330751	0	1	0	0.89	2.33	0	2.33	0.89	1	477674	Si
SLU 27	-525	-466093	0	1	0	0.89	2.33	0	3.22	0.85	1	461025	No
SLU 25	-22	-184924	0	1	0	0.9	2.33	0	3.23	0.85	1	460798	Si
SLU 25	-273.5	-328352	0	1	0	0.9	2.33	0	2.33	0.89	1	477674	Si
SLU 25	-525	-463738	0	1	0	0.9	2.33	0	3.23	0.85	1	460798	No
SLU 23	-22	-182433	0	1	0	0.92	2.33	0	3.25	0.85	1	460568	Si
SLU 23	-273.5	-325943	0	1	0	0.92	2.33	0	2.33	0.89	1	477674	Si
SLU 23	-525	-461462	0	1	0	0.92	2.33	0	3.25	0.85	1	460568	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 11	-400	-424130	9508723	1.94	133890684	14.081	Si
SLV 11	-160	-326509	15220211	1.49	170571605	11.207	Si
SLV 2	-400	-264683	29373783	1.21	172926915	5.887	Si
SLV 2	-160	-157172	19070744	0.72	138469558	7.261	Si
SLV 7	-400	-415820	19889195	1.9	138584983	6.968	Si
SLV 7	-160	-318444	21913938	1.46	171797044	7.84	Si
SLV 1	-400	-264683	29373783	1.21	172926915	5.887	Si
SLV 1	-160	-157172	19070744	0.72	138469558	7.261	Si
SLV 6	-400	-198218	15849251	0.91	157402086	9.931	Si
SLV 6	-160	-84810	5525411	0.39	87713752	15.875	Si
SLV 4	-400	-329964	30585766	1.51	169962376	5.557	Si
SLV 4	-160	-227262	23987303	1.04	166487753	6.941	Si
SLV 12	-400	-424130	9508723	1.94	133890684	14.081	Si
SLV 12	-160	-326509	15220211	1.49	170571605	11.207	Si
SLV 3	-400	-329964	30585766	1.51	169962376	5.557	Si
SLV 3	-160	-227262	23987303	1.04	166487753	6.941	Si
SLV 5	-400	-198218	15849251	0.91	157402086	9.931	Si
SLV 5	-160	-84810	5525411	0.39	87713752	15.875	Si

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 8	-400	-415820	19889195	1.9	138584983	6.968	Si
SLV 8	-160	-318444	21913938	1.46	171797044	7.84	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 1	-400	-286416	-9274	12001131	1.31	1.31	2427.68	0.22	48978		5.28	Si
SLU 1	-160	-180732	-9274	10104269	0.83	0.83	2427.68	0.16	34887		3.76	Si
SLU 28	-400	-387568	-12133	16051500	1.77	1.77	2427.68	0.29	62465		5.15	Si
SLU 28	-160	-250318	-12132	13370778	1.15	1.15	2427.68	0.2	44165		3.64	Si
SLU 35	-400	-397144	-12012	16364377	1.82	1.82	2427.68	0.29	63742		5.31	Si
SLU 35	-160	-260059	-12011	13600571	1.19	1.19	2427.68	0.21	45464		3.79	Si
SLU 26	-400	-373971	-11895	15679549	1.71	1.71	2427.68	0.28	60653		5.1	Si
SLU 26	-160	-236675	-11895	13242614	1.08	1.08	2427.68	0.19	42346		3.56	Si
SLU 19	-400	-364395	-12016	15366673	1.67	1.67	2427.68	0.27	59376		4.94	Si
SLU 19	-160	-226934	-12016	13012821	1.04	1.04	2427.68	0.19	41048		3.42	Si
SLU 24	-400	-371568	-11953	15613502	1.7	1.7	2427.68	0.28	60332		5.05	Si
SLU 24	-160	-234247	-11953	13200480	1.07	1.07	2427.68	0.19	42023		3.52	Si
SLU 31	-400	-392375	-12017	16183593	1.8	1.8	2427.68	0.29	63106		5.25	Si
SLU 31	-160	-255173	-12016	13455046	1.17	1.17	2427.68	0.21	44813		3.73	Si
SLU 33	-400	-394741	-12070	16298330	1.81	1.81	2427.68	0.29	63422		5.25	Si
SLU 33	-160	-257631	-12069	13558437	1.18	1.18	2427.68	0.21	45141		3.74	Si
SLU 22	-400	-369202	-11900	15498766	1.69	1.69	2427.68	0.27	60017		5.04	Si
SLU 22	-160	-231789	-11900	13097089	1.06	1.06	2427.68	0.19	41695		3.5	Si
SLU 23	-400	-400943	-12155	16342599	1.84	1.84	2427.68	0.29	64249		5.29	Si
SLU 23	-160	-263721	-12154	13388059	1.21	1.21	2427.68	0.21	45952		3.78	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 2	-400	-264683	11432	29373783	1.21	1.21	2427.68	0.26	57601		5.04	Si
SLV 2	-160	-157172	12954	19070744	0.72	0.72	2427.68	0.18	39682		3.06	Si
SLV 14	-400	-292384	-23700	-5227793	1.34	1.34	2427.68	0.28	62218		2.63	Si
SLV 14	-160	-184056	-22821	-3241682	0.84	0.84	2427.68	0.2	44163		1.94	Si
SLV 11	-400	-424130	-25788	9508723	1.94	1.94	2427.68	0.39	84175		3.26	Si
SLV 11	-160	-326509	-29882	15220211	1.49	1.49	2427.68	0.31	67905		2.27	Si
SLV 13	-400	-292384	-23700	-5227793	1.34	1.34	2427.68	0.28	62218		2.63	Si
SLV 13	-160	-184056	-22821	-3241682	0.84	0.84	2427.68	0.2	44163		1.94	Si
SLV 15	-400	-357665	-30338	-4015810	1.64	1.64	2427.68	0.33	73098		2.41	Si
SLV 15	-160	-254146	-31859	1674877	1.16	1.16	2427.68	0.26	55845		1.75	Si
SLV 16	-400	-357665	-30338	-4015810	1.64	1.64	2427.68	0.33	73098		2.41	Si
SLV 16	-160	-254146	-31859	1674877	1.16	1.16	2427.68	0.26	55845		1.75	Si
SLV 12	-400	-424130	-25788	9508723	1.94	1.94	2427.68	0.39	84175		3.26	Si
SLV 12	-160	-326509	-29882	15220211	1.49	1.49	2427.68	0.31	67905		2.27	Si
SLV 1	-400	-264683	11432	29373783	1.21	1.21	2427.68	0.26	57601		5.04	Si
SLV 1	-160	-157172	12954	19070744	0.72	0.72	2427.68	0.18	39682		3.06	Si
SLV 5	-400	-198218	6882	15849251	0.91	0.91	2427.68	0.21	46524		6.76	Si
SLV 5	-160	-84810	10977	5525411	0.39	0.39	2427.68	0.13	27622		2.52	Si
SLV 6	-400	-198218	6882	15849251	0.91	0.91	2427.68	0.21	46524		6.76	Si
SLV 6	-160	-84810	10977	5525411	0.39	0.39	2427.68	0.13	27622		2.52	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.17 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 6	3	0.36	21.64	-137813	1366835	4710560	3.45	Si
SLV 5	3	0.36	21.64	-137813	1366835	4710560	3.45	Si
SLV 10	3	0.36	22.74	-144851	1366835	4871102	3.56	Si
SLV 9	3	0.36	22.74	-144851	1366835	4871102	3.56	Si
SLV 12	3	0.36	57.96	-369169	1366835	5913318	4.33	Si
SLV 11	3	0.36	57.96	-369169	1366835	5913318	4.33	Si
SLV 1	3	0.36	32.68	-208113	1366835	5964893	4.36	Si
SLV 2	3	0.36	32.68	-208113	1366835	5964893	4.36	Si
SLV 8	3	0.36	56.86	-362131	1366835	6000677	4.39	Si
SLV 7	3	0.36	56.86	-362131	1366835	6000677	4.39	Si

Maschio 28

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3920.2	4926	3861.2	4926	L1	L3	59	60	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-7162	0	1	0	2.49	2.33	0	4.82	0.66	1	5803	No
SLU 30	-273.5	-7107	0	1	0	2.49	2.33	0	2.41	0.79	1	6876	No
SLU 30	-525	-7971	0	1	0	2.49	2.33	0	4.82	0.66	1	5803	No
SLU 29	-22	-7116	0	1	0	2.51	2.33	0	4.84	0.66	1	5796	No
SLU 29	-273.5	-7091	0	1	0	2.51	2.33	0	2.42	0.79	1	6872	No
SLU 29	-525	-7952	0	1	0	2.51	2.33	0	4.84	0.66	1	5796	No
SLU 36	-22	-6966	0	1	0	2.36	2.33	0	4.69	0.67	1	5863	No
SLU 36	-273.5	-6920	0	1	0	2.36	2.33	0	2.34	0.79	1	6906	No
SLU 36	-525	-7820	0	1	0	2.36	2.33	0	4.69	0.67	1	5863	No
SLU 34	-22	-6920	0	1	0	2.37	2.33	0	4.7	0.67	1	5856	No
SLU 34	-273.5	-6904	0	1	0	2.37	2.33	0	2.35	0.79	1	6902	No
SLU 34	-525	-7801	0	1	0	2.37	2.33	0	4.7	0.67	1	5856	No
SLU 32	-22	-6934	0	1	0	2.37	2.33	0	4.7	0.67	1	5859	No
SLU 32	-273.5	-6913	0	1	0	2.37	2.33	0	2.35	0.79	1	6903	No
SLU 32	-525	-7790	0	1	0	2.37	2.33	0	4.7	0.67	1	5859	No

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 21	-22	-6730	0	1	0	2.39	2.33	0	4.72	0.67	1	5850	No
SLU 21	-273.5	-6815	0	1	0	2.39	2.33	0	2.36	0.79	1	6899	Si
SLU 21	-525	-7677	0	1	0	2.39	2.33	0	4.72	0.67	1	5850	No
SLU 20	-22	-6684	0	1	0	2.4	2.33	0	4.73	0.67	1	5843	No
SLU 20	-273.5	-6800	0	1	0	2.4	2.33	0	2.37	0.79	1	6895	Si
SLU 20	-525	-7659	0	1	0	2.4	2.33	0	4.73	0.67	1	5843	No
SLU 27	-22	-6533	0	1	0	2.24	2.33	0	4.57	0.68	1	5916	No
SLU 27	-273.5	-6628	0	1	0	2.24	2.33	0	2.33	0.79	1	6912	Si
SLU 27	-525	-7527	0	1	0	2.24	2.33	0	4.57	0.68	1	5916	No
SLU 25	-22	-6487	0	1	0	2.25	2.33	0	4.58	0.68	1	5909	No
SLU 25	-273.5	-6612	0	1	0	2.25	2.33	0	2.33	0.79	1	6912	Si
SLU 25	-525	-7508	0	1	0	2.25	2.33	0	4.58	0.68	1	5909	No
SLU 23	-22	-6501	0	1	0	2.25	2.33	0	4.58	0.68	1	5911	No
SLU 23	-273.5	-6621	0	1	0	2.25	2.33	0	2.33	0.79	1	6912	Si
SLU 23	-525	-7497	0	1	0	2.25	2.33	0	4.58	0.68	1	5911	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 22	-470	-7475	0	-23175	2.11	2.11	59.01	0.33	1171		3038.01	Si
SLU 22	-250	-5810	2	-15744	1.64	1.64	59.01	0.27	950		464.73	Si
SLU 20	-470	-8165	0	-25263	2.31	2.31	59.01	0.36	1264		3389.92	Si
SLU 20	-250	-6479	2	-18489	1.83	1.83	59.01	0.29	1039		455.22	Si
SLU 19	-470	-7440	0	-23680	2.1	2.1	59.01	0.33	1167		2858.08	Si
SLU 19	-250	-5778	2	-16180	1.63	1.63	59.01	0.27	945		447.3	Si
SLU 28	-470	-7748	0	-23423	2.19	2.19	59.01	0.34	1208		3402.44	Si
SLU 28	-250	-6070	2	-16397	1.71	1.71	59.01	0.28	984		476.76	Si
SLU 29	-470	-8473	0	-25006	2.39	2.39	59.01	0.37	1305		4083.47	Si
SLU 29	-250	-6770	2	-18706	1.91	1.91	59.01	0.3	1078		482.63	Si
SLU 1	-470	-5805	0	-18148	1.64	1.64	59.01	0.27	949		3162.47	Si
SLU 1	-250	-4522	2	-12503	1.28	1.28	59.01	0.22	778		482.27	Si
SLU 21	-470	-8182	0	-25011	2.31	2.31	59.01	0.36	1266		3502.59	Si
SLU 21	-250	-6495	2	-18271	1.83	1.83	59.01	0.29	1041		463.27	Si
SLU 25	-470	-7983	0	-23618	2.25	2.25	59.01	0.35	1239		3789.17	Si
SLU 25	-250	-6292	2	-16954	1.78	1.78	59.01	0.29	1014		487.38	Si
SLU 23	-470	-7982	0	-24283	2.25	2.25	59.01	0.35	1239		3435.1	Si
SLU 23	-250	-6300	2	-17361	1.78	1.78	59.01	0.29	1015		469.63	Si
SLU 24	-470	-7475	0	-22510	2.11	2.11	59.01	0.33	1172		3329.03	Si
SLU 24	-250	-5801	2	-15338	1.64	1.64	59.01	0.27	948		483.35	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.11 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 8	3	0.36	0	-9325	22150	0	0	No
SLV 7	3	0.36	0	-9325	22150	0	0	No
SLV 11	3	0.36	56.58	-8760	22150	14963	0.68	No
SLV 12	3	0.36	56.58	-8760	22150	14963	0.68	No
SLV 9	3	0.36	6.07	-939	22150	25326	1.14	Si
SLV 10	3	0.36	6.07	-939	22150	25326	1.14	Si
SLV 6	3	0.36	9.71	-1504	22150	37808	1.71	Si
SLV 5	3	0.36	9.71	-1504	22150	37808	1.71	Si
SLV 3	3	0.36	46.8	-7246	22150	47813	2.16	Si
SLV 4	3	0.36	46.8	-7246	22150	47813	2.16	Si

Maschio 29

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
4310.3	4926	4020.2	4926	L1	L3	290.1	60	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-31420	0	1	0	2.79	2.33	0	5.12	0.65	1	27965	No
SLU 30	-273.5	-48429	0	1	0	2.79	2.33	0	2.56	0.78	1	33467	No
SLU 30	-525	-51654	0	1	0	2.79	2.33	0	5.12	0.65	1	27965	No
SLU 29	-22	-31147	0	1	0	2.82	2.33	0	5.15	0.65	1	27931	No
SLU 29	-273.5	-48184	0	1	0	2.82	2.33	0	2.57	0.78	1	33440	No
SLU 29	-525	-51443	0	1	0	2.82	2.33	0	5.15	0.65	1	27931	No
SLU 36	-22	-30719	0	1	0	2.63	2.33	0	4.96	0.66	1	28194	No
SLU 36	-273.5	-47394	0	1	0	2.63	2.33	0	2.48	0.78	1	33649	No
SLU 36	-525	-50786	0	1	0	2.63	2.33	0	4.96	0.66	1	28194	No
SLU 34	-22	-30447	0	1	0	2.65	2.33	0	4.98	0.66	1	28161	No
SLU 34	-273.5	-47150	0	1	0	2.65	2.33	0	2.49	0.78	1	33623	No
SLU 34	-525	-50574	0	1	0	2.65	2.33	0	4.98	0.66	1	28161	No
SLU 32	-22	-30377	0	1	0	2.66	2.33	0	4.99	0.66	1	28153	No
SLU 32	-273.5	-47087	0	1	0	2.66	2.33	0	2.49	0.78	1	33616	No
SLU 32	-525	-50511	0	1	0	2.66	2.33	0	4.99	0.66	1	28153	No
SLU 21	-22	-29166	0	1	0	2.71	2.33	0	5.04	0.65	1	28083	No
SLU 21	-273.5	-45903	0	1	0	2.71	2.33	0	2.52	0.78	1	33561	No
SLU 21	-525	-49484	0	1	0	2.71	2.33	0	5.04	0.65	1	28083	No
SLU 20	-22	-28893	0	1	0	2.73	2.33	0	5.06	0.65	1	28048	No
SLU 20	-273.5	-45658	0	1	0	2.73	2.33	0	2.53	0.78	1	33533	No
SLU 20	-525	-49273	0	1	0	2.73	2.33	0	5.06	0.65	1	28048	No
SLU 27	-22	-28465	0	1	0	2.52	2.33	0	4.85	0.66	1	28451	No
SLU 27	-273.5	-44868	0	1	0	2.52	2.33	0	2.43	0.79	1	33760	No
SLU 27	-525	-48616	0	1	0	2.52	2.33	0	4.85	0.66	1	28451	No
SLU 25	-22	-28193	0	1	0	2.55	2.33	0	4.88	0.66	1	28398	Si
SLU 25	-273.5	-44623	0	1	0	2.55	2.33	0	2.44	0.78	1	33733	No
SLU 25	-525	-48404	0	1	0	2.55	2.33	0	4.88	0.66	1	28398	No

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 23	-22	-28123	0	1	0	2.55	2.33	0	4.88	0.66	1	28384	Si
SLU 23	-273.5	-44561	0	1	0	2.55	2.33	0	2.44	0.78	1	33726	No
SLU 23	-525	-48340	0	1	0	2.55	2.33	0	4.88	0.66	1	28384	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 8	-470	-63581	1567691	3.65	0	0	No
SLV 8	-250	-57100	556466	3.28	0	0	No
SLV 10	-470	-18317	-1851280	1.05	1590819	0.859	No
SLV 10	-250	-11325	-355179	0.65	1235073	3.477	Si
SLV 16	-470	-47279	-48689	2.72	0	0	No
SLV 16	-250	-41380	98125	2.38	562340	5.731	Si
SLV 7	-470	-63581	1567691	3.65	0	0	No
SLV 7	-250	-57100	556466	3.28	0	0	No
SLV 4	-470	-48122	721476	2.77	0	0	No
SLV 4	-250	-40827	353657	2.35	626567	1.772	Si
SLV 9	-470	-18317	-1851280	1.05	1590819	0.859	No
SLV 9	-250	-11325	-355179	0.65	1235073	3.477	Si
SLV 3	-470	-48122	721476	2.77	0	0	No
SLV 3	-250	-40827	353657	2.35	626567	1.772	Si
SLV 15	-470	-47279	-48689	2.72	0	0	No
SLV 15	-250	-41380	98125	2.38	562340	5.731	Si
SLV 12	-470	-63328	1336642	3.64	0	0	No
SLV 12	-250	-57266	479806	3.29	0	0	No
SLV 11	-470	-63328	1336642	3.64	0	0	No
SLV 11	-250	-57266	479806	3.29	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 36	-470	-55703	-1699	-249310	3.2	3.2	290.06	0.48	8286		4.88	Si
SLU 36	-250	-46945	-1699	124785	2.7	2.7	290.06	0.41	7119		4.19	Si
SLU 18	-470	-45135	-1510	-238536	2.59	2.59	290.06	0.4	6877		4.55	Si
SLU 18	-250	-38398	-1510	93920	2.21	2.21	290.06	0.34	5979		3.96	Si
SLU 11	-470	-45926	-1487	-226797	2.64	2.64	290.06	0.4	6983		4.7	Si
SLU 11	-250	-39189	-1487	100603	2.25	2.25	290.06	0.35	6085		4.09	Si
SLU 16	-470	-44891	-1481	-231148	2.58	2.58	290.06	0.39	6845		4.62	Si
SLU 16	-250	-38154	-1481	94835	2.19	2.19	290.06	0.34	5947		4.02	Si
SLU 12	-470	-46170	-1517	-234185	2.65	2.65	290.06	0.4	7015		4.63	Si
SLU 12	-250	-39433	-1517	99688	2.27	2.27	290.06	0.35	6117		4.03	Si
SLU 14	-470	-44828	-1433	-217527	2.58	2.58	290.06	0.39	6837		4.77	Si
SLU 14	-250	-38091	-1433	97963	2.19	2.19	290.06	0.34	5938		4.14	Si
SLU 29	-470	-56493	-1676	-237570	3.25	3.25	290.06	0.48	8392		5.01	Si
SLU 29	-250	-47735	-1676	131468	2.74	2.74	290.06	0.42	7224		4.31	Si
SLU 30	-470	-56738	-1706	-244958	3.26	3.26	290.06	0.48	8424		4.94	Si
SLU 30	-250	-47980	-1706	130553	2.76	2.76	290.06	0.42	7257		4.25	Si
SLU 32	-470	-55396	-1622	-228300	3.18	3.18	290.06	0.47	8246		5.08	Si
SLU 32	-250	-46638	-1622	128828	2.68	2.68	290.06	0.41	7078		4.36	Si
SLU 34	-470	-55459	-1670	-241922	3.19	3.19	290.06	0.47	8254		4.94	Si
SLU 34	-250	-46701	-1670	125701	2.68	2.68	290.06	0.41	7086		4.24	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 9	-470	-18317	-6764	-1851280	1.05	2.31	131.9	0.45	3541		0.52	No
SLV 9	-250	-11325	-6938	-355179	0.65	0.65	290.06	0.17	2962		0.43	No
SLV 10	-470	-18317	-6764	-1851280	1.05	2.31	131.9	0.45	3541		0.52	No
SLV 10	-250	-11325	-6938	-355179	0.65	0.65	290.06	0.17	2962		0.43	No
SLV 6	-470	-18570	-5978	-1620231	1.07	1.79	173.35	0.36	3737		0.63	No
SLV 6	-250	-11159	-6194	-278519	0.64	0.64	290.06	0.17	2934		0.47	No
SLV 7	-470	-63581	4562	1567691	3.65	3.65	290.06	0.67	11671		2.56	Si
SLV 7	-250	-57100	4736	556466	3.28	3.28	290.06	0.61	10591		2.24	Si
SLV 5	-470	-18570	-5978	-1620231	1.07	1.79	173.35	0.36	3737		0.63	No
SLV 5	-250	-11159	-6194	-278519	0.64	0.64	290.06	0.17	2934		0.47	No
SLD 9	-470	-30933	-3606	-898165	1.78	1.78	290.06	0.57	9968		2.76	Si
SLD 9	-250	-24084	-3683	-101085	1.38	1.38	290.06	0.47	8141		2.21	Si
SLV 13	-470	-33776	-3991	-1005065	1.94	1.94	290.06	0.39	6704		1.68	Si
SLV 13	-250	-27598	-3981	-152371	1.59	1.59	290.06	0.33	5674		1.43	Si
SLV 14	-470	-33776	-3991	-1005065	1.94	1.94	290.06	0.39	6704		1.68	Si
SLV 14	-250	-27598	-3981	-152371	1.59	1.59	290.06	0.33	5674		1.43	Si
SLD 10	-470	-30933	-3606	-898165	1.78	1.78	290.06	0.57	9968		2.76	Si
SLD 10	-250	-24084	-3683	-101085	1.38	1.38	290.06	0.47	8141		2.21	Si
SLV 8	-470	-63581	4562	1567691	3.65	3.65	290.06	0.67	11671		2.56	Si
SLV 8	-250	-57100	4736	556466	3.28	3.28	290.06	0.61	10591		2.24	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.11 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 11	3	0.36	0	-57647	108875	0	0	No
SLV 8	3	0.36	0	-57482	108875	0	0	No
SLV 12	3	0.36	0	-57647	108875	0	0	No
SLV 7	3	0.36	0	-57482	108875	0	0	No
SLV 16	3	0.36	54.84	-41734	108875	107607	0.99	No
SLV 15	3	0.36	54.84	-41734	108875	107607	0.99	No
SLV 3	3	0.36	54.12	-41185	108875	121043	1.11	Si
SLV 4	3	0.36	54.12	-41185	108875	121043	1.11	Si
SLV 6	3	0.36	15.07	-11469	108875	257637	2.37	Si
SLV 5	3	0.36	15.07	-11469	108875	257637	2.37	Si

Maschio 30

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
4521.4	4926	4390.3	4926	L1	L3	131.1	60	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-10572	0	1	0	3.75	2.33	0	6.08	0.62	1	12042	Si
SLU 30	-273.5	-12646	0	1	0	3.75	2.33	0	3.04	0.75	1	14650	Si
SLU 30	-525	-14743	0	1	0	3.75	2.33	0	6.08	0.62	1	12042	No
SLU 29	-22	-10507	0	1	0	3.77	2.33	0	6.1	0.62	1	12028	Si
SLU 29	-273.5	-12608	0	1	0	3.77	2.33	0	3.05	0.75	1	14639	Si
SLU 29	-525	-14719	0	1	0	3.77	2.33	0	6.1	0.62	1	12028	No
SLU 36	-22	-10201	0	1	0	3.57	2.33	0	5.9	0.63	1	12152	Si
SLU 36	-273.5	-12304	0	1	0	3.57	2.33	0	2.95	0.76	1	14738	Si
SLU 36	-525	-14446	0	1	0	3.57	2.33	0	5.9	0.63	1	12152	No
SLU 34	-22	-10136	0	1	0	3.6	2.33	0	5.93	0.63	1	12138	Si
SLU 34	-273.5	-12265	0	1	0	3.6	2.33	0	2.96	0.76	1	14726	Si
SLU 34	-525	-14422	0	1	0	3.6	2.33	0	5.93	0.63	1	12138	No
SLU 32	-22	-10126	0	1	0	3.6	2.33	0	5.93	0.62	1	12135	Si
SLU 32	-273.5	-12242	0	1	0	3.6	2.33	0	2.96	0.76	1	14725	Si
SLU 32	-525	-14403	0	1	0	3.6	2.33	0	5.93	0.62	1	12135	No
SLU 21	-22	-9795	0	1	0	3.64	2.33	0	5.97	0.62	1	12109	Si
SLU 21	-273.5	-12004	0	1	0	3.64	2.33	0	2.99	0.76	1	14704	Si
SLU 21	-525	-14228	0	1	0	3.64	2.33	0	5.97	0.62	1	12109	No
SLU 20	-22	-9730	0	1	0	3.67	2.33	0	6	0.62	1	12094	Si
SLU 20	-273.5	-11966	0	1	0	3.67	2.33	0	3	0.76	1	14692	Si
SLU 20	-525	-14203	0	1	0	3.67	2.33	0	6	0.62	1	12094	No
SLU 27	-22	-9424	0	1	0	3.45	2.33	0	5.78	0.63	1	12231	Si
SLU 27	-273.5	-11662	0	1	0	3.45	2.33	0	2.89	0.76	1	14801	Si
SLU 27	-525	-13931	0	1	0	3.45	2.33	0	5.78	0.63	1	12231	No
SLU 25	-22	-9359	0	1	0	3.47	2.33	0	5.8	0.63	1	12216	Si
SLU 25	-273.5	-11623	0	1	0	3.47	2.33	0	2.9	0.76	1	14789	Si
SLU 25	-525	-13906	0	1	0	3.47	2.33	0	5.8	0.63	1	12216	No
SLU 23	-22	-9349	0	1	0	3.47	2.33	0	5.8	0.63	1	12214	Si
SLU 23	-273.5	-11601	0	1	0	3.47	2.33	0	2.9	0.76	1	14787	Si
SLU 23	-525	-13887	0	1	0	3.47	2.33	0	5.8	0.63	1	12214	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 35	-470	-14120	15	135573	1.8	1.8	131.08	0.29	2271		151.21	Si
SLU 35	-250	-10563	-9	92156	1.34	1.34	131.08	0.23	1797		205.46	Si
SLU 31	-470	-14059	15	133894	1.79	1.79	131.08	0.29	2263		152.38	Si
SLU 31	-250	-10502	-9	90433	1.34	1.34	131.08	0.23	1789		208.75	Si
SLU 32	-470	-15063	16	148830	1.92	1.92	131.08	0.3	2397		150.11	Si
SLU 32	-250	-11533	-10	103709	1.47	1.47	131.08	0.24	1926		201.47	Si
SLU 30	-470	-15459	16	154273	1.97	1.97	131.08	0.31	2450		149.83	Si
SLU 30	-250	-11937	-10	108652	1.52	1.52	131.08	0.25	1980		200.46	Si
SLU 33	-470	-14085	15	134615	1.79	1.79	131.08	0.29	2266		151.89	Si
SLU 33	-250	-10525	-9	91410	1.34	1.34	131.08	0.23	1792		207.46	Si
SLU 27	-470	-14502	15	140241	1.84	1.84	131.08	0.3	2322		151.81	Si
SLU 27	-250	-10952	-9	96338	1.39	1.39	131.08	0.24	1849		206.6	Si
SLU 34	-470	-15090	16	149551	1.92	1.92	131.08	0.31	2400		149.66	Si
SLU 34	-250	-11556	-10	104685	1.47	1.47	131.08	0.25	1929		200.36	Si
SLU 36	-470	-15125	16	150509	1.92	1.92	131.08	0.31	2405		149.04	Si
SLU 36	-250	-11594	-10	105431	1.47	1.47	131.08	0.25	1934		198.65	Si
SLU 29	-470	-15424	16	153315	1.96	1.96	131.08	0.31	2445		150.44	Si
SLU 29	-250	-11898	-10	107907	1.51	1.51	131.08	0.25	1975		202.17	Si
SLU 25	-470	-14467	15	139284	1.84	1.84	131.08	0.29	2317		152.47	Si
SLU 25	-250	-10914	-9	95592	1.39	1.39	131.08	0.23	1844		208.56	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.11 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 1	3	0.36	22.62	-7780	49200	145392	2.96	Si
SLV 2	3	0.36	22.62	-7780	49200	145392	2.96	Si
SLV 4	3	0.36	23.48	-8075	49200	147440	3	Si
SLV 3	3	0.36	23.48	-8075	49200	147440	3	Si
SLV 6	3	0.36	23.83	-8196	49200	148210	3.01	Si
SLV 5	3	0.36	23.83	-8196	49200	148210	3.01	Si
SLV 10	3	0.36	25.73	-8848	49200	151610	3.08	Si
SLV 9	3	0.36	25.73	-8848	49200	151610	3.08	Si
SLV 7	3	0.36	26.69	-9179	49200	152865	3.11	Si
SLV 8	3	0.36	26.69	-9179	49200	152865	3.11	Si

Maschio 31

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
4521.4	4564.8	4521.4	4926	L1	L3	361.2	60	466	503	503			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-15455	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 30	-273.5	-37950	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-525	-49786	0	1	0	0	2.33	0	2.33	0.79	1	42299	No
SLU 29	-22	-15288	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 29	-273.5	-37690	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 29	-525	-49531	0	1	0	0	2.33	0	2.33	0.79	1	42299	No
SLU 36	-22	-15282	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 36	-273.5	-37524	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 36	-525	-49287	0	1	0	0	2.33	0	2.33	0.79	1	42299	No
SLU 34	-22	-15114	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 34	-273.5	-37264	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 34	-525	-49032	0	1	0	0	2.33	0	2.33	0.79	1	42299	No
SLU 32	-22	-15049	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 32	-273.5	-37134	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 32	-525	-48861	0	1	0	0	2.33	0	2.33	0.79	1	42299	No
SLU 21	-22	-14356	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 21	-273.5	-35999	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 21	-525	-47690	0	1	0	0	2.33	0	2.33	0.79	1	42299	No
SLU 20	-22	-14189	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 20	-273.5	-35739	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 20	-525	-47435	0	1	0	0	2.33	0	2.33	0.79	1	42299	No
SLU 27	-22	-14183	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 27	-273.5	-35573	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 27	-525	-47191	0	1	0	0	2.33	0	2.33	0.79	1	42299	No
SLU 25	-22	-14015	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 25	-273.5	-35313	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 25	-525	-46936	0	1	0	0	2.33	0	2.33	0.79	1	42299	No
SLU 23	-22	-13950	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 23	-273.5	-35183	0	1	0	0	2.33	0	2.33	0.79	1	42299	Si
SLU 23	-525	-46764	0	1	0	0	2.33	0	2.33	0.79	1	42299	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 12	-525	-59032	1178719	2.72	0	0	No
SLV 12	-22	-21763	2123975	1	2425488	1.142	Si
SLV 11	-525	-59032	1178719	2.72	0	0	No
SLV 11	-22	-21763	2123975	1	2425488	1.142	Si
SLV 8	-525	-57982	1363509	2.68	0	0	No
SLV 8	-22	-19444	1324250	0.9	2310273	1.745	Si
SLV 10	-525	-14394	-1494888	0.66	1941124	1.299	Si
SLV 10	-22	-2179	585502	0	0	0	No
SLV 13	-525	-31243	-774714	1.44	2541228	3.28	Si
SLV 13	-22	-11739	2056980	0.54	1682056	0.818	No
SLV 9	-525	-14394	-1494888	0.66	1941124	1.299	Si
SLV 9	-22	-2179	585502	0	0	0	No
SLV 5	-525	-13343	-1310098	0.62	1843950	1.407	Si
SLV 5	-22	140	-214224	0	0	0	No
SLV 7	-525	-57982	1363509	2.68	0	0	No
SLV 7	-22	-19444	1324250	0.9	2310273	1.745	Si
SLV 6	-525	-13343	-1310098	0.62	1843950	1.407	Si
SLV 6	-22	140	-214224	0	0	0	No
SLV 14	-525	-31243	-774714	1.44	2541228	3.28	Si
SLV 14	-22	-11739	2056980	0.54	1682056	0.818	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 22	-525	-44010	-4594	-72495	2.03	2.03	361.16	0.32	6938		1.51	Si
SLU 22	-22	-12610	-4496	1191839	0.58	0.81	258.2	0.16	2446		0.54	No
SLU 31	-525	-46107	-4554	-76159	2.13	2.13	361.16	0.33	7218		1.58	Si
SLU 31	-22	-13709	-4432	1228481	0.63	0.84	272.91	0.16	2636		0.59	No
SLU 33	-525	-46278	-4497	-74117	2.14	2.14	361.16	0.33	7241		1.61	Si
SLU 33	-22	-13775	-4372	1220636	0.64	0.83	275.89	0.16	2654		0.61	No
SLU 19	-525	-43501	-4559	-73580	2.01	2.01	361.16	0.32	6870		1.51	Si
SLU 19	-22	-12275	-4466	1178376	0.57	0.81	253.74	0.16	2388		0.53	No
SLU 35	-525	-46533	-4515	-73575	2.15	2.15	361.16	0.34	7275		1.61	Si
SLU 35	-22	-13942	-4387	1227367	0.64	0.84	277.64	0.16	2682		0.61	No
SLU 1	-525	-34015	-3496	-57566	1.57	1.57	361.16	0.26	5605		1.6	Si
SLU 1	-22	-9732	-3418	916107	0.45	0.63	259.34	0.13	2066		0.6	No
SLU 24	-525	-44182	-4538	-70453	2.04	2.04	361.16	0.32	6961		1.53	Si
SLU 24	-22	-12676	-4436	1183993	0.58	0.81	261.52	0.16	2465		0.56	No
SLU 26	-525	-44437	-4555	-69911	2.05	2.05	361.16	0.32	6995		1.54	Si
SLU 26	-22	-12843	-4451	1190725	0.59	0.81	263.61	0.16	2493		0.56	No
SLU 28	-525	-45597	-4518	-77243	2.1	2.1	361.16	0.33	7150		1.58	Si
SLU 28	-22	-13374	-4402	1215019	0.62	0.83	269.19	0.16	2581		0.59	No
SLU 23	-525	-46764	-4510	-84879	2.16	2.16	361.16	0.34	7305		1.62	Si
SLU 23	-22	-13950	-4383	1241362	0.64	0.85	274.78	0.16	2674		0.61	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 1.5 (SLD), γM = 2.4 (SLV)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLD 10	-525	-26544	-6006	-698280	1.22	1.22	361.16	0.43	9219		1.53	Si
SLD 10	-22	-6993	-6207	791749	0.32	0.58	202.09	0.25	3062		0.49	No
SLV 5	-525	-13343	-5513	-1310098	0.62	0.9	247.18	0.21	3139		0.57	No
SLV 5	-22	140	-5826	-214224	-0.01	0	0	0.06	0		0	No
SLV 10	-525	-14394	-9243	-1494888	0.66	1.04	230.17	0.24	3251		0.35	No
SLV 10	-22	-2179	-9820	585502	0.1	0	0	0.06	0		0	No
SLV 16	-525	-44635	-8471	27368	2.06	2.06	361.16	0.41	8777		1.04	Si
SLV 16	-22	-17614	-8645	2518522	0.81	2.6	112.78	0.5	3353		0.39	No
SLV 15	-525	-44635	-8471	27368	2.06	2.06	361.16	0.41	8777		1.04	Si
SLV 15	-22	-17614	-8645	2518522	0.81	2.6	112.78	0.5	3353		0.39	No
SLV 14	-525	-31243	-10835	-774714	1.44	1.44	361.16	0.3	6545		0.6	No
SLV 14	-22	-11739	-11338	2056980	0.54	12.19	16.04	2.09	2016		0.18	No
SLV 6	-525	-13343	-5513	-1310098	0.62	0.9	247.18	0.21	3139		0.57	No
SLV 6	-22	140	-5826	-214224	-0.01	0	0	0.06	0		0	No
SLV 13	-525	-31243	-10835	-774714	1.44	1.44	361.16	0.3	6545		0.6	No
SLV 13	-22	-11739	-11338	2056980	0.54	12.19	16.04	2.09	2016		0.18	No
SLV 9	-525	-14394	-9243	-1494888	0.66	1.04	230.17	0.24	3251		0.35	No
SLV 9	-22	-2179	-9820	585502	0.1	0	0	0.06	0		0	No
SLD 9	-525	-26544	-6006	-698280	1.22	1.22	361.16	0.43	9219		1.53	Si
SLD 9	-22	-6993	-6207	791749	0.32	0.58	202.09	0.25	3062		0.49	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -273.5 Wa 0.11 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 6	3	0.36	6.69	-6343	135560	169061	1.25	Si
SLV 5	3	0.36	6.69	-6343	135560	169061	1.25	Si
SLV 12	3	0.36	50.81	-48138	135560	221294	1.63	Si
SLV 11	3	0.36	50.81	-48138	135560	221294	1.63	Si
SLV 10	3	0.36	10.28	-9744	135560	242214	1.79	Si
SLV 9	3	0.36	10.28	-9744	135560	242214	1.79	Si
SLV 7	3	0.36	47.22	-44737	135560	285947	2.11	Si
SLV 8	3	0.36	47.22	-44737	135560	285947	2.11	Si
SLV 1	3	0.36	16.69	-15813	135560	342441	2.53	Si
SLV 2	3	0.36	16.69	-15813	135560	342441	2.53	Si

Maschio 32

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3008.7	1194.6	2823.7	1194.6	L2	L3	185	80	66	103	103			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-59084	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 30	-73.5	-60209	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 30	-125	-60168	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 29	-22	-58931	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 29	-73.5	-60056	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 29	-125	-60013	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 36	-22	-58715	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 36	-73.5	-59812	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 36	-125	-59728	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 34	-22	-58562	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 34	-73.5	-59659	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 34	-125	-59573	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 32	-22	-58252	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 32	-73.5	-59356	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 32	-125	-59271	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 21	-22	-57842	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 21	-73.5	-58927	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 21	-125	-58814	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 20	-22	-57689	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 20	-73.5	-58774	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 20	-125	-58659	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 27	-22	-57473	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 27	-73.5	-58530	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 27	-125	-58374	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 25	-22	-57320	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 25	-73.5	-58377	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 25	-125	-58219	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 23	-22	-57011	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 23	-73.5	-58074	0	1	0	0	0.33	0	0.33	0.98	1	35892	No
SLU 23	-125	-57917	0	1	0	0	0.33	0	0.33	0.98	1	35892	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 11	-125	-60766	-1623898	4.11	0	0	No
SLV 11	-22	-70865	-1064877	4.79	0	0	No
SLV 13	-125	-67609	-1956785	4.57	0	0	No
SLV 13	-22	-69039	-722526	4.66	0	0	No
SLV 8	-125	-45410	-894242	3.07	0	0	No
SLV 8	-22	-52535	-777664	3.55	0	0	No
SLV 7	-125	-45410	-894242	3.07	0	0	No
SLV 7	-22	-52535	-777664	3.55	0	0	No
SLV 15	-125	-72719	-2196036	4.91	0	0	No
SLV 15	-22	-79751	-1035188	5.39	0	0	No
SLV 9	-125	-43733	-826392	2.95	0	0	No
SLV 9	-22	-35157	-22672	2.38	307379	13.558	Si
SLV 16	-125	-72719	-2196036	4.91	0	0	No
SLV 16	-22	-79751	-1035188	5.39	0	0	No
SLV 10	-125	-43733	-826392	2.95	0	0	No
SLV 10	-22	-35157	-22672	2.38	307379	13.558	Si
SLV 12	-125	-60766	-1623898	4.11	0	0	No
SLV 12	-22	-70865	-1064877	4.79	0	0	No
SLV 14	-125	-67609	-1956785	4.57	0	0	No
SLV 14	-22	-69039	-722526	4.66	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 19	-125	-55152	-12165	-1099400	3.73	3.73	185	0.55	8084		0.66	No
SLU 19	-22	-54406	-10522	-520491	3.68	3.68	185	0.54	7985		0.76	No
SLU 22	-125	-55462	-12034	-1097465	3.75	3.75	185	0.55	8126		0.68	No
SLU 22	-22	-54713	-10392	-525474	3.7	3.7	185	0.54	8026		0.77	No
SLU 20	-125	-58659	-12818	-1139138	3.96	3.96	185	0.58	8552		0.67	No
SLU 20	-22	-57689	-11070	-526646	3.9	3.9	185	0.57	8423		0.76	No
SLU 21	-125	-58814	-12753	-1138170	3.97	3.97	185	0.58	8573		0.67	No
SLU 21	-22	-57842	-11005	-529137	3.91	3.91	185	0.57	8443		0.77	No
SLU 27	-125	-58374	-12525	-1129525	3.94	3.94	185	0.58	8514		0.68	No
SLU 27	-22	-57473	-10800	-531736	3.88	3.88	185	0.57	8394		0.78	No

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 28	-125	-56506	-12107	-1097088	3.82	3.82	185	0.56	8265		0.68	No
SLU 28	-22	-55648	-10455	-515628	3.76	3.76	185	0.55	8151		0.78	No
SLU 23	-125	-57917	-12492	-1125282	3.91	3.91	185	0.57	8453		0.68	No
SLU 23	-22	-57011	-10776	-529782	3.85	3.85	185	0.56	8332		0.77	No
SLU 24	-125	-55764	-12133	-1102676	3.77	3.77	185	0.55	8166		0.67	No
SLU 24	-22	-55022	-10481	-524937	3.72	3.72	185	0.55	8067		0.77	No
SLU 26	-125	-55919	-12068	-1101709	3.78	3.78	185	0.55	8187		0.68	No
SLU 26	-22	-55175	-10416	-527428	3.73	3.73	185	0.55	8088		0.78	No
SLU 25	-125	-58219	-12590	-1130493	3.93	3.93	185	0.57	8493		0.67	No
SLU 25	-22	-57320	-10865	-529245	3.87	3.87	185	0.57	8374		0.77	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 10	-125	-43733	-20599	-826392	2.95	2.95	185	0.55	8202		0.4	No
SLV 10	-22	-35157	-15324	-22672	2.38	2.38	185	0.46	6773		0.44	No
SLV 13	-125	-67609	-31186	-1956785	4.57	4.57	185	0.82	12182		0.39	No
SLV 13	-22	-69039	-26759	-722526	4.66	4.66	185	0.84	12420		0.46	No
SLV 1	-125	-16424	9024	475402	1.11	1.11	185	0.25	3651		0.4	No
SLV 1	-22	-7941	9215	234852	0.54	0.54	185	0.15	2237		0.24	No
SLV 2	-125	-16424	9024	475402	1.11	1.11	185	0.25	3651		0.4	No
SLV 2	-22	-7941	9215	234852	0.54	0.54	185	0.15	2237		0.24	No
SLV 15	-125	-72719	-28198	-2196036	4.91	4.91	185	0.88	13033		0.46	No
SLV 15	-22	-79751	-25767	-1035188	5.39	5.39	185	0.96	14205		0.55	No
SLV 14	-125	-67609	-31186	-1956785	4.57	4.57	185	0.82	12182		0.39	No
SLV 14	-22	-69039	-26759	-722526	4.66	4.66	185	0.84	12420		0.46	No
SLV 3	-125	-21534	12012	236150	1.46	1.46	185	0.3	4503		0.37	No
SLV 3	-22	-18653	10206	-77810	1.26	1.26	185	0.27	4022		0.39	No
SLV 16	-125	-72719	-28198	-2196036	4.91	4.91	185	0.88	13033		0.46	No
SLV 16	-22	-79751	-25767	-1035188	5.39	5.39	185	0.96	14205		0.55	No
SLV 4	-125	-21534	12012	236150	1.46	1.46	185	0.3	4503		0.37	No
SLV 4	-22	-18653	10206	-77810	1.26	1.26	185	0.27	4022		0.39	No
SLV 9	-125	-43733	-20599	-826392	2.95	2.95	185	0.55	8202		0.4	No
SLV 9	-22	-35157	-15324	-22672	2.38	2.38	185	0.46	6773		0.44	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -73.5 Wa 0.15 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 8	3	0.36	0	-52358	1857	0	0	No
SLV 16	3	0.36	0	-77623	1857	0	0	No
SLV 11	3	0.36	0	-69225	1857	0	0	No
SLV 13	3	0.36	0	-67955	1857	0	0	No
SLV 15	3	0.36	0	-77623	1857	0	0	No
SLV 14	3	0.36	0	-67955	1857	0	0	No
SLV 7	3	0.36	0	-52358	1857	0	0	No
SLV 12	3	0.36	0	-69225	1857	0	0	No
SLV 10	3	0.36	76.23	-36996	1857	69795	37.58	Si
SLV 9	3	0.36	76.23	-36996	1857	69795	37.58	Si

Maschio 33

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3008.7	3201	3008.7	1194.6	L2	L3	2006.3	65	66	103	103			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-392617	0	1	0.93	-2.42	0.33	0	1.82	0.91	1	291989	No
SLU 30	-73.5	-411407	0	1	0.93	-2.42	0.33	0	0.91	0.95	1	306016	No
SLU 30	-125	-429518	0	1	0.93	-2.42	0.33	0	1.82	0.91	1	291989	No
SLU 29	-22	-390355	0	1	0.93	-2.43	0.33	0	1.83	0.91	1	291786	No
SLU 29	-73.5	-409157	0	1	0.93	-2.43	0.33	0	0.91	0.95	1	305915	No
SLU 29	-125	-427289	0	1	0.93	-2.43	0.33	0	1.83	0.91	1	291786	No
SLU 36	-22	-387477	0	1	0.95	-2.19	0.33	0	1.57	0.92	1	295852	No
SLU 36	-73.5	-406303	0	1	0.95	-2.19	0.33	0	0.78	0.96	1	307947	No
SLU 36	-125	-424430	0	1	0.95	-2.19	0.33	0	1.57	0.92	1	295852	No
SLU 34	-22	-385215	0	1	0.95	-2.2	0.33	0	1.58	0.92	1	295668	No
SLU 34	-73.5	-404053	0	1	0.95	-2.2	0.33	0	0.79	0.96	1	307856	No
SLU 34	-125	-422202	0	1	0.95	-2.2	0.33	0	1.58	0.92	1	295668	No
SLU 32	-22	-382296	0	1	0.96	-2.22	0.33	0	1.59	0.92	1	295446	No
SLU 32	-73.5	-401121	0	1	0.96	-2.22	0.33	0	0.8	0.96	1	307745	No
SLU 32	-125	-419266	0	1	0.96	-2.22	0.33	0	1.59	0.92	1	295446	No
SLU 21	-22	-371166	0	1	0.97	-2.22	0.33	0	1.58	0.92	1	295620	No
SLU 21	-73.5	-390087	0	1	0.97	-2.22	0.33	0	0.79	0.96	1	307831	No
SLU 21	-125	-408363	0	1	0.97	-2.22	0.33	0	1.58	0.92	1	295620	No
SLU 20	-22	-368904	0	1	0.97	-2.23	0.33	0	1.59	0.92	1	295427	No
SLU 20	-73.5	-387837	0	1	0.97	-2.23	0.33	0	0.8	0.96	1	307735	No
SLU 20	-125	-406135	0	1	0.97	-2.23	0.33	0	1.59	0.92	1	295427	No
SLU 27	-22	-366026	0	1	0.99	-1.97	0.33	0	1.31	0.93	1	299760	No
SLU 27	-73.5	-384982	0	1	0.99	-1.97	0.33	0	0.66	0.96	1	309901	No
SLU 27	-125	-403275	0	1	0.99	-1.97	0.33	0	1.31	0.93	1	299760	No
SLU 25	-22	-363764	0	1	0.99	-1.98	0.33	0	1.32	0.93	1	299590	No
SLU 25	-73.5	-382732	0	1	0.99	-1.98	0.33	0	0.66	0.96	1	309816	No
SLU 25	-125	-401047	0	1	0.99	-1.98	0.33	0	1.32	0.93	1	299590	No
SLU 23	-22	-360846	0	1	0.99	-2	0.33	0	1.34	0.93	1	299386	No
SLU 23	-73.5	-379801	0	1	0.99	-2	0.33	0	0.67	0.96	1	309715	No
SLU 23	-125	-398111	0	1	0.99	-2	0.33	0	1.34	0.93	1	299386	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 13	-125	-426440	-337131	3.27	0	0	No
SLV 13	-22	-404023	-12096035	3.1	0	0	No
SLV 16	-125	-409158	-25083732	3.14	0	0	No
SLV 16	-22	-386840	-32439741	2.97	0	0	No
SLV 14	-125	-426440	-337131	3.27	0	0	No
SLV 14	-22	-404023	-12096035	3.1	0	0	No
SLV 9	-125	-370216	27460161	2.84	0	0	No
SLV 9	-22	-343319	13847504	2.63	0	0	No
SLV 7	-125	-247133	-55948861	1.9	68837041	1.23	Si
SLV 7	-22	-216826	-52071236	1.66	79663550	1.53	Si
SLV 12	-125	-312608	-55028510	2.4	27059781	0.492	No
SLV 12	-22	-286041	-53964849	2.19	47042147	0.872	No
SLV 8	-125	-247133	-55948861	1.9	68837041	1.23	Si
SLV 8	-22	-216826	-52071236	1.66	79663550	1.53	Si
SLV 11	-125	-312608	-55028510	2.4	27059781	0.492	No
SLV 11	-22	-286041	-53964849	2.19	47042147	0.872	No
SLV 10	-125	-370216	27460161	2.84	0	0	No
SLV 10	-22	-343319	13847504	2.63	0	0	No
SLV 15	-125	-409158	-25083732	3.14	0	0	No
SLV 15	-22	-386840	-32439741	2.97	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 12	-125	-350974	10441	-16759044	2.69	2.69	2006.34	0.41	53237		5.1	Si
SLU 12	-22	-322822	10794	-22227471	2.48	2.48	2006.34	0.38	49483		4.58	Si
SLU 14	-125	-340722	9747	-16243308	2.61	2.61	2006.34	0.4	51870		5.32	Si
SLU 14	-22	-312501	10146	-21515959	2.4	2.4	2006.34	0.37	48107		4.74	Si
SLU 32	-125	-419266	10961	-19650476	3.21	3.21	2006.34	0.48	62342		5.69	Si
SLU 32	-22	-382296	11473	-26194928	2.93	2.93	2006.34	0.44	57413		5	Si
SLU 36	-125	-424430	11366	-20009269	3.25	3.25	2006.34	0.48	63031		5.55	Si
SLU 36	-22	-387477	11901	-26624038	2.97	2.97	2006.34	0.45	58104		4.88	Si
SLU 11	-125	-348745	10300	-16594694	2.67	2.67	2006.34	0.41	52939		5.14	Si
SLU 11	-22	-320560	10637	-22052070	2.46	2.46	2006.34	0.38	49181		4.62	Si
SLU 18	-125	-345886	10152	-16602101	2.65	2.65	2006.34	0.4	52558		5.18	Si
SLU 18	-22	-317681	10573	-21945069	2.44	2.44	2006.34	0.37	48798		4.62	Si
SLU 16	-125	-343658	10011	-16437750	2.64	2.64	2006.34	0.4	52261		5.22	Si
SLU 16	-22	-315420	10416	-21769667	2.42	2.42	2006.34	0.37	48496		4.66	Si
SLU 34	-125	-422202	11225	-19844919	3.24	3.24	2006.34	0.48	62734		5.59	Si
SLU 34	-22	-385215	11744	-26448636	2.95	2.95	2006.34	0.44	57802		4.92	Si
SLU 30	-125	-429518	11655	-20166212	3.29	3.29	2006.34	0.49	63709		5.47	Si
SLU 30	-22	-392617	12121	-26906440	3.01	3.01	2006.34	0.45	58789		4.85	Si
SLU 29	-125	-427289	11514	-20001862	3.28	3.28	2006.34	0.49	63412		5.51	Si
SLU 29	-22	-390355	11965	-26731039	2.99	2.99	2006.34	0.45	58487		4.89	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 12	-125	-312608	-157944	-55028510	2.4	2.4	2006.34	0.46	60152		0.38	No
SLV 12	-22	-286041	-152386	-53964849	2.19	2.19	2006.34	0.43	55724		0.37	No
SLV 5	-125	-304741	172891	26539810	2.34	2.34	2006.34	0.45	58840		0.34	No
SLV 5	-22	-274103	168087	15741118	2.1	2.1	2006.34	0.41	53734		0.32	No
SLV 9	-125	-370216	155787	27460161	2.84	2.84	2006.34	0.53	69753		0.45	No
SLV 9	-22	-343319	149389	13847504	2.63	2.63	2006.34	0.5	65270		0.44	No
SLV 8	-125	-247133	-140840	-55948861	1.9	1.9	2006.34	0.38	49239		0.35	No
SLV 8	-22	-216826	-133688	-52071236	1.66	1.66	2006.34	0.34	44188		0.33	No
SLV 11	-125	-312608	-157944	-55028510	2.4	2.4	2006.34	0.46	60152		0.38	No
SLV 11	-22	-286041	-152386	-53964849	2.19	2.19	2006.34	0.43	55724		0.37	No
SLV 10	-125	-370216	155787	27460161	2.84	2.84	2006.34	0.53	69753		0.45	No
SLV 10	-22	-343319	149389	13847504	2.63	2.63	2006.34	0.5	65270		0.44	No
SLV 1	-125	-208191	83040	-3404968	1.6	1.6	2006.34	0.33	42749		0.51	No
SLV 1	-22	-173305	84280	-5783990	1.33	1.33	2006.34	0.28	36934		0.44	No
SLV 7	-125	-247133	-140840	-55948861	1.9	1.9	2006.34	0.38	49239		0.35	No
SLV 7	-22	-216826	-133688	-52071236	1.66	1.66	2006.34	0.34	44188		0.33	No
SLV 6	-125	-304741	172891	26539810	2.34	2.34	2006.34	0.45	58840		0.34	No
SLV 6	-22	-274103	168087	15741118	2.1	2.1	2006.34	0.41	53734		0.32	No
SLV 2	-125	-208191	83040	-3404968	1.6	1.6	2006.34	0.33	42749		0.51	No
SLV 2	-22	-173305	84280	-5783990	1.33	1.33	2006.34	0.28	36934		0.44	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -73.5 Wa 0.12 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 10	3	0.36	0	-353955	16365	0	0	No
SLV 13	3	0.36	0	-410656	16365	0	0	No
SLV 15	3	0.36	0	-394487	16365	0	0	No
SLV 9	3	0.36	0	-353955	16365	0	0	No
SLV 14	3	0.36	0	-410656	16365	0	0	No
SLV 16	3	0.36	0	-394487	16365	0	0	No
SLV 11	3	0.36	57.01	-300058	16365	1199192	73.28	Si
SLV 12	3	0.36	57.01	-300058	16365	1199192	73.28	Si
SLV 5	3	0.36	54.94	-289186	16365	1454418	88.87	Si
SLV 6	3	0.36	54.94	-289186	16365	1454418	88.87	Si

Maschio 34

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3004.1	3543.4	5598.7	3543.5	L2	L3	2594.6	65	66	103	103			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-474727	0	1	-1.04	2.65	0.33	0	1.93	0.9	1	375239	No
SLU 30	-73.5	-494260	0	1	-1.04	2.65	0.33	0	0.97	0.95	1	394557	No
SLU 30	-125	-516641	0	1	-1.04	2.65	0.33	0	1.93	0.9	1	375239	No
SLU 29	-22	-471964	0	1	-1.05	2.66	0.33	0	1.95	0.9	1	374997	No
SLU 29	-73.5	-491512	0	1	-1.05	2.66	0.33	0	0.97	0.95	1	394436	No
SLU 29	-125	-513904	0	1	-1.05	2.66	0.33	0	1.95	0.9	1	374997	No
SLU 36	-22	-465858	0	1	-1.07	2.41	0.33	0	1.67	0.91	1	380517	No
SLU 36	-73.5	-485485	0	1	-1.07	2.41	0.33	0	0.83	0.95	1	397196	No
SLU 36	-125	-507986	0	1	-1.07	2.41	0.33	0	1.67	0.91	1	380517	No
SLU 34	-22	-463095	0	1	-1.07	2.42	0.33	0	1.68	0.91	1	380302	No
SLU 34	-73.5	-482737	0	1	-1.07	2.42	0.33	0	0.84	0.95	1	397089	No
SLU 34	-125	-505249	0	1	-1.07	2.42	0.33	0	1.68	0.91	1	380302	No
SLU 32	-22	-459500	0	1	-1.08	2.44	0.33	0	1.7	0.91	1	379924	No
SLU 32	-73.5	-479144	0	1	-1.08	2.44	0.33	0	0.85	0.95	1	396900	No
SLU 32	-125	-501644	0	1	-1.08	2.44	0.33	0	1.7	0.91	1	379924	No
SLU 21	-22	-444768	0	1	-1.09	2.45	0.33	0	1.69	0.91	1	380158	No
SLU 21	-73.5	-464484	0	1	-1.09	2.45	0.33	0	0.84	0.95	1	397017	No
SLU 21	-125	-487039	0	1	-1.09	2.45	0.33	0	1.69	0.91	1	380158	No
SLU 20	-22	-442005	0	1	-1.1	2.47	0.33	0	1.7	0.91	1	379930	No
SLU 20	-73.5	-461736	0	1	-1.1	2.47	0.33	0	0.85	0.95	1	396903	No
SLU 20	-125	-484302	0	1	-1.1	2.47	0.33	0	1.7	0.91	1	379930	No
SLU 27	-22	-435899	0	1	-1.13	2.19	0.33	0	1.4	0.93	1	385900	No
SLU 27	-73.5	-455709	0	1	-1.13	2.19	0.33	0	0.7	0.96	1	399887	No
SLU 27	-125	-478384	0	1	-1.13	2.19	0.33	0	1.4	0.93	1	385900	No
SLU 25	-22	-433136	0	1	-1.13	2.21	0.33	0	1.41	0.93	1	385703	No
SLU 25	-73.5	-452961	0	1	-1.13	2.21	0.33	0	0.7	0.96	1	399789	No
SLU 25	-125	-475647	0	1	-1.13	2.21	0.33	0	1.41	0.93	1	385703	No
SLU 23	-22	-429541	0	1	-1.13	2.23	0.33	0	1.43	0.93	1	385345	No
SLU 23	-73.5	-449368	0	1	-1.13	2.23	0.33	0	0.71	0.96	1	399610	No
SLU 23	-125	-472042	0	1	-1.13	2.23	0.33	0	1.43	0.93	1	385345	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 6	-125	-473910	-5826619	2.81	0	0	No
SLV 6	-22	-471594	-17964632	2.8	0	0	No
SLV 5	-125	-473910	-5826619	2.81	0	0	No
SLV 5	-22	-471594	-17964632	2.8	0	0	No
SLV 1	-125	-375676	-59052080	2.23	73539995	1.245	Si
SLV 1	-22	-365260	-64773968	2.17	82656838	1.276	Si
SLV 13	-125	-427064	69431713	2.53	19251057	0.277	No
SLV 13	-22	-387775	68034563	2.3	62152267	0.914	No
SLV 16	-125	-358281	62355027	2.12	88409305	1.418	Si
SLV 16	-22	-303386	67754835	1.8	123695970	1.826	Si
SLV 14	-125	-427064	69431713	2.53	19251057	0.277	No
SLV 14	-22	-387775	68034563	2.3	62152267	0.914	No
SLV 2	-125	-375676	-59052080	2.23	73539995	1.245	Si
SLV 2	-22	-365260	-64773968	2.17	82656838	1.276	Si
SLV 9	-125	-489326	32718518	2.9	0	0	No
SLV 9	-22	-478348	21877927	2.84	0	0	No
SLV 10	-125	-489326	32718518	2.9	0	0	No
SLV 10	-22	-478348	21877927	2.84	0	0	No
SLV 15	-125	-358281	62355027	2.12	88409305	1.418	Si
SLV 15	-22	-303386	67754835	1.8	123695970	1.826	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 33	-125	-463870	25638	1288407	2.75	2.75	2594.57	0.42	70178		2.74	Si
SLU 33	-22	-421118	26595	1136037	2.5	2.5	2594.57	0.38	64477		2.42	Si
SLU 19	-125	-425189	23966	1670753	2.52	2.52	2594.57	0.39	65020		2.71	Si
SLU 19	-22	-382038	24887	1912026	2.27	2.27	2594.57	0.35	59267		2.38	Si
SLU 28	-125	-454791	25006	1680104	2.7	2.7	2594.57	0.41	68967		2.76	Si
SLU 28	-22	-411997	25955	1643674	2.44	2.44	2594.57	0.38	63261		2.44	Si
SLU 24	-125	-434268	24598	1279055	2.58	2.58	2594.57	0.39	66231		2.69	Si
SLU 24	-22	-391159	25527	1404389	2.32	2.32	2594.57	0.36	60483		2.37	Si
SLU 26	-125	-437006	24750	1096621	2.59	2.59	2594.57	0.39	66596		2.69	Si
SLU 26	-22	-393922	25683	1190226	2.34	2.34	2594.57	0.36	60851		2.37	Si
SLU 8	-125	-346692	19494	713529	2.06	2.06	2594.57	0.32	54554		2.8	Si
SLU 8	-22	-313660	20222	678215	1.86	1.86	2594.57	0.3	50150		2.48	Si
SLU 22	-125	-430664	24271	1305884	2.55	2.55	2594.57	0.39	65750		2.71	Si
SLU 22	-22	-387564	25200	1483699	2.3	2.3	2594.57	0.36	60003		2.38	Si
SLU 35	-125	-466607	25791	1105973	2.77	2.77	2594.57	0.42	70543		2.74	Si
SLU 35	-22	-423881	26751	921874	2.51	2.51	2594.57	0.38	64846		2.42	Si
SLU 6	-125	-343955	19341	895963	2.04	2.04	2594.57	0.32	54189		2.8	Si
SLU 6	-22	-310897	20065	892378	1.84	1.84	2594.57	0.3	49781		2.48	Si
SLU 31	-125	-460265	25311	1315236	2.73	2.73	2594.57	0.41	69697		2.75	Si
SLU 31	-22	-417523	26268	1215347	2.48	2.48	2594.57	0.38	63998		2.44	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 13	-125	-427064	199199	69431713	2.53	2.53	2594.57	0.48	81588		0.41	No
SLV 13	-22	-387775	195136	68034563	2.3	2.3	2594.57	0.44	75039		0.38	No
SLV 16	-125	-358281	209991	62355027	2.12	2.12	2594.57	0.42	70124		0.33	No
SLV 16	-22	-303386	208251	67754835	1.8	1.8	2594.57	0.36	60975		0.29	No
SLV 2	-125	-375676	-170774	-59052080	2.23	2.23	2594.57	0.43	73023		0.43	No
SLV 2	-22	-365260	-167538	-64773968	2.17	2.17	2594.57	0.42	71287		0.43	No
SLV 3	-125	-306893	-159982	-66128765	1.82	1.82	2594.57	0.37	61559		0.38	No
SLV 3	-22	-280871	-154423	-65053696	1.67	1.67	2594.57	0.34	57222		0.37	No
SLV 1	-125	-375676	-170774	-59052080	2.23	2.23	2594.57	0.43	73023		0.43	No
SLV 1	-22	-365260	-167538	-64773968	2.17	2.17	2594.57	0.42	71287		0.43	No
SLV 14	-125	-427064	199199	69431713	2.53	2.53	2594.57	0.48	81588		0.41	No
SLV 14	-22	-387775	195136	68034563	2.3	2.3	2594.57	0.44	75039		0.38	No
SLV 15	-125	-358281	209991	62355027	2.12	2.12	2594.57	0.42	70124		0.33	No
SLV 15	-22	-303386	208251	67754835	1.8	1.8	2594.57	0.36	60975		0.29	No
SLV 12	-125	-260047	93091	9129567	1.54	1.54	2594.57	0.32	53752		0.58	No
SLV 12	-22	-197052	96616	20945499	1.17	1.17	2594.57	0.26	43252		0.45	No
SLV 4	-125	-306893	-159982	-66128765	1.82	1.82	2594.57	0.37	61559		0.38	No
SLV 4	-22	-280871	-154423	-65053696	1.67	1.67	2594.57	0.34	57222		0.37	No

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 11	-125	-260047	93091	9129567	1.54	1.54	2594.57	0.32	53752		0.58	No
SLV 11	-22	-197052	96616	20945499	1.17	1.17	2594.57	0.26	43252		0.45	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -73.5 Wa 0.12 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 10	3	0.36	0	-477178	21163	0	0	No
SLV 6	3	0.36	0	-464559	21163	0	0	No
SLV 9	3	0.36	0	-477178	21163	0	0	No
SLV 5	3	0.36	0	-464559	21163	0	0	No
SLV 13	3	0.36	59.79	-406981	21163	1060015	50.09	Si
SLV 14	3	0.36	59.79	-406981	21163	1060015	50.09	Si
SLV 1	3	0.36	53.61	-364917	21163	2077987	98.19	Si
SLV 2	3	0.36	53.61	-364917	21163	2077987	98.19	Si
SLV 16	3	0.36	49.1	-334192	21163	2657282	125.56	Si
SLV 15	3	0.36	49.1	-334192	21163	2657282	125.56	Si

Maschio 35

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
5598.7	4584.8	5598.7	3543.5	L2	L3	1041.4	65	66	103	103			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-175519	0	1	2.37	0	0.33	0	2.7	0.86	1	144483	No
SLU 30	-73.5	-180256	0	1	2.37	0	0.33	0	1.35	0.93	1	155298	No
SLU 30	-125	-188919	0	1	2.37	0	0.33	0	2.7	0.86	1	144483	No
SLU 29	-22	-174735	0	1	2.37	0	0.33	0	2.7	0.86	1	144442	No
SLU 29	-73.5	-179441	0	1	2.37	0	0.33	0	1.35	0.93	1	155277	No
SLU 29	-125	-188097	0	1	2.37	0	0.33	0	2.7	0.86	1	144442	No
SLU 36	-22	-173937	0	1	2.36	0	0.33	0	2.69	0.86	1	144537	No
SLU 36	-73.5	-178691	0	1	2.36	0	0.33	0	1.34	0.93	1	155325	No
SLU 36	-125	-187349	0	1	2.36	0	0.33	0	2.69	0.86	1	144537	No
SLU 34	-22	-173152	0	1	2.36	0	0.33	0	2.69	0.86	1	144495	No
SLU 34	-73.5	-177876	0	1	2.36	0	0.33	0	1.35	0.93	1	155304	No
SLU 34	-125	-186527	0	1	2.36	0	0.33	0	2.69	0.86	1	144495	No
SLU 32	-22	-171802	0	1	2.37	0	0.33	0	2.7	0.86	1	144423	No
SLU 32	-73.5	-176561	0	1	2.37	0	0.33	0	1.35	0.93	1	155268	No
SLU 32	-125	-185259	0	1	2.37	0	0.33	0	2.7	0.86	1	144423	No
SLU 21	-22	-167466	0	1	2.4	0	0.33	0	2.73	0.86	1	144218	No
SLU 21	-73.5	-172171	0	1	2.4	0	0.33	0	1.36	0.93	1	155165	No
SLU 21	-125	-180896	0	1	2.4	0	0.33	0	2.73	0.86	1	144218	No
SLU 20	-22	-166681	0	1	2.4	0	0.33	0	2.73	0.86	1	144174	No
SLU 20	-73.5	-171356	0	1	2.4	0	0.33	0	1.37	0.93	1	155143	No
SLU 20	-125	-180074	0	1	2.4	0	0.33	0	2.73	0.86	1	144174	No
SLU 27	-22	-165883	0	1	2.39	0	0.33	0	2.72	0.86	1	144271	No
SLU 27	-73.5	-170606	0	1	2.39	0	0.33	0	1.36	0.93	1	155192	No
SLU 27	-125	-179326	0	1	2.39	0	0.33	0	2.72	0.86	1	144271	No
SLU 25	-22	-165099	0	1	2.4	0	0.33	0	2.73	0.86	1	144227	No
SLU 25	-73.5	-169791	0	1	2.4	0	0.33	0	1.36	0.93	1	155170	No
SLU 25	-125	-178504	0	1	2.4	0	0.33	0	2.73	0.86	1	144227	No
SLU 23	-22	-163748	0	1	2.41	0	0.33	0	2.74	0.86	1	144148	No
SLU 23	-73.5	-168477	0	1	2.41	0	0.33	0	1.37	0.93	1	155130	No
SLU 23	-125	-177235	0	1	2.41	0	0.33	0	2.74	0.86	1	144148	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 6	-125	-144766	29596397	2.14	13927060	0.471	No
SLV 6	-22	-118358	33260976	1.75	20551220	0.618	No
SLV 11	-125	-130054	-17677258	1.92	18122083	1.025	Si
SLV 11	-22	-135842	-23517172	2.01	16623052	0.707	No
SLV 12	-125	-130054	-17677258	1.92	18122083	1.025	Si
SLV 12	-22	-135842	-23517172	2.01	16623052	0.707	No
SLV 14	-125	-189764	10230812	2.8	0	0	No
SLV 14	-22	-197205	3982776	2.91	0	0	No
SLV 15	-125	-177069	-3485628	2.62	263541	0.076	No
SLV 15	-22	-190440	-11497409	2.81	0	0	No
SLV 10	-125	-172370	28044211	2.55	2631353	0.094	No
SLV 10	-22	-158392	28083445	2.34	8909887	0.317	No
SLV 9	-125	-172370	28044211	2.55	2631353	0.094	No
SLV 9	-22	-158392	28083445	2.34	8909887	0.317	No
SLV 16	-125	-177069	-3485628	2.62	263541	0.076	No
SLV 16	-22	-190440	-11497409	2.81	0	0	No
SLV 13	-125	-189764	10230812	2.8	0	0	No
SLV 13	-22	-197205	3982776	2.91	0	0	No
SLV 5	-125	-144766	29596397	2.14	13927060	0.471	No
SLV 5	-22	-118358	33260976	1.75	20551220	0.618	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 22	-125	-166776	-15350	7873718	2.46	2.46	1041.35	0.38	25579		1.67	Si
SLU 22	-22	-153243	-14684	6872677	2.26	2.26	1041.35	0.35	23775		1.62	Si
SLU 19	-125	-165132	-14957	7659697	2.44	2.44	1041.35	0.37	25360		1.7	Si
SLU 19	-22	-151674	-14303	6585491	2.24	2.24	1041.35	0.35	23566		1.65	Si
SLU 4	-125	-130785	-11954	6161850	1.93	1.93	1041.35	0.31	20781		1.74	Si
SLU 4	-22	-120366	-11430	5374691	1.78	1.78	1041.35	0.29	19391		1.7	Si
SLU 28	-125	-173156	-15168	7871096	2.56	2.56	1041.35	0.39	26430		1.74	Si

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 28	-22	-159727	-14479	6667930	2.36	2.36	1041.35	0.36	24640		1.7	Si
SLU 8	-125	-132876	-12187	6364759	1.96	1.96	1041.35	0.31	21059		1.73	Si
SLU 8	-22	-122501	-11651	5599162	1.81	1.81	1041.35	0.29	19676		1.69	Si
SLU 24	-125	-168045	-15387	7969617	2.48	2.48	1041.35	0.38	25749		1.67	Si
SLU 24	-22	-154593	-14715	6953556	2.28	2.28	1041.35	0.35	23955		1.63	Si
SLU 26	-125	-168867	-15583	8076628	2.49	2.49	1041.35	0.38	25858		1.66	Si
SLU 26	-22	-155378	-14906	7097149	2.3	2.3	1041.35	0.36	24060		1.61	Si
SLU 31	-125	-174800	-15561	8085117	2.58	2.58	1041.35	0.39	26649		1.71	Si
SLU 31	-22	-161297	-14860	6955116	2.38	2.38	1041.35	0.37	24849		1.67	Si
SLU 35	-125	-176890	-15794	8288026	2.61	2.61	1041.35	0.4	26928		1.7	Si
SLU 35	-22	-163432	-15082	7179588	2.41	2.41	1041.35	0.37	25134		1.67	Si
SLU 33	-125	-176068	-15598	8181016	2.6	2.6	1041.35	0.4	26818		1.72	Si
SLU 33	-22	-162647	-14891	7035995	2.4	2.4	1041.35	0.37	25029		1.68	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 11	-125	-130054	-62492	-17677258	1.92	1.92	1041.35	0.38	25854		0.41	No
SLV 11	-22	-135842	-58001	-23517172	2.01	2.01	1041.35	0.4	26819		0.46	No
SLV 12	-125	-130054	-62492	-17677258	1.92	1.92	1041.35	0.38	25854		0.41	No
SLV 12	-22	-135842	-58001	-23517172	2.01	2.01	1041.35	0.4	26819		0.46	No
SLV 5	-125	-144766	39562	29596397	2.14	2.35	948.7	0.45	27934		0.71	No
SLV 5	-22	-118358	36158	33260976	1.75	2.53	718.97	0.48	22611		0.63	No
SLV 7	-125	-102450	-59861	-16125071	1.51	1.51	1041.35	0.31	21253		0.36	No
SLV 7	-22	-95808	-58189	-18339640	1.42	1.49	987.77	0.31	19931		0.34	No
SLV 4	-125	-85056	-21994	1688327	1.26	1.26	1041.35	0.27	18354		0.83	No
SLV 4	-22	-56995	-25387	5761029	0.84	0.84	1041.35	0.2	13677		0.54	No
SLV 3	-125	-85056	-21994	1688327	1.26	1.26	1041.35	0.27	18354		0.83	No
SLV 3	-22	-56995	-25387	5761029	0.84	0.84	1041.35	0.2	13677		0.54	No
SLV 9	-125	-172370	36931	28044211	2.55	2.55	1041.35	0.49	32907		0.89	No
SLV 9	-22	-158392	36346	28083445	2.34	2.37	1030.12	0.46	30532		0.84	No
SLV 8	-125	-102450	-59861	-16125071	1.51	1.51	1041.35	0.31	21253		0.36	No
SLV 8	-22	-95808	-58189	-18339640	1.42	1.49	987.77	0.31	19931		0.34	No
SLV 10	-125	-172370	36931	28044211	2.55	2.55	1041.35	0.49	32907		0.89	No
SLV 10	-22	-158392	36346	28083445	2.34	2.37	1030.12	0.46	30532		0.84	No
SLV 6	-125	-144766	39562	29596397	2.14	2.35	948.7	0.45	27934		0.71	No
SLV 6	-22	-118358	36158	33260976	1.75	2.53	718.97	0.48	22611		0.63	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -73.5 Wa 0.12 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 13	3	0.36	0	-182376	8494	0	0	No
SLV 14	3	0.36	0	-182376	8494	0	0	No
SLV 16	3	0.36	62.62	-171072	8494	203645	23.98	Si
SLV 15	3	0.36	62.62	-171072	8494	203645	23.98	Si
SLV 9	3	0.36	59.79	-163349	8494	425340	50.08	Si
SLV 10	3	0.36	59.79	-163349	8494	425340	50.08	Si
SLV 6	3	0.36	49.69	-135737	8494	1039401	122.37	Si
SLV 5	3	0.36	49.69	-135737	8494	1039401	122.37	Si
SLV 12	3	0.36	46	-125670	8494	1193851	140.55	Si
SLV 11	3	0.36	46	-125670	8494	1193851	140.55	Si

Maschio 36

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
5598.7	3928.5	5883.7	3928.5	L2	L3	285	55	66	103	103			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-22835	0	1	0	4.78	0.33	0	5.11	0.72	1	27686	Si
SLU 30	-73.5	-25328	0	1	0	4.78	0.33	0	2.55	0.85	1	32817	Si
SLU 30	-125	-27897	0	1	0	4.78	0.33	0	5.11	0.72	1	27686	No
SLU 29	-22	-22807	0	1	0	4.78	0.33	0	5.11	0.72	1	27678	Si
SLU 29	-73.5	-25295	0	1	0	4.78	0.33	0	2.56	0.85	1	32810	Si
SLU 29	-125	-27856	0	1	0	4.78	0.33	0	5.11	0.72	1	27678	No
SLU 36	-22	-21687	0	1	0	4.5	0.33	0	4.83	0.72	1	28046	Si
SLU 36	-73.5	-24252	0	1	0	4.5	0.33	0	2.41	0.86	1	33124	Si
SLU 36	-125	-26883	0	1	0	4.5	0.33	0	4.83	0.72	1	28046	Si
SLU 34	-22	-21660	0	1	0	4.5	0.33	0	4.83	0.72	1	28039	Si
SLU 34	-73.5	-24219	0	1	0	4.5	0.33	0	2.42	0.86	1	33118	Si
SLU 34	-125	-26842	0	1	0	4.5	0.33	0	4.83	0.72	1	28039	Si
SLU 32	-22	-21621	0	1	0	4.51	0.33	0	4.84	0.72	1	28028	Si
SLU 32	-73.5	-24172	0	1	0	4.51	0.33	0	2.42	0.86	1	33109	Si
SLU 32	-125	-26779	0	1	0	4.51	0.33	0	4.84	0.72	1	28028	Si
SLU 21	-22	-21211	0	1	0	4.47	0.33	0	4.8	0.73	1	28088	Si
SLU 21	-73.5	-23753	0	1	0	4.47	0.33	0	2.4	0.86	1	33160	Si
SLU 21	-125	-26332	0	1	0	4.47	0.33	0	4.8	0.73	1	28088	Si
SLU 20	-22	-21184	0	1	0	4.47	0.33	0	4.8	0.73	1	28080	Si
SLU 20	-73.5	-23720	0	1	0	4.47	0.33	0	2.4	0.86	1	33153	Si
SLU 20	-125	-26290	0	1	0	4.47	0.33	0	4.8	0.73	1	28080	Si
SLU 27	-22	-20064	0	1	0	4.15	0.33	0	4.48	0.74	1	28598	Si
SLU 27	-73.5	-22677	0	1	0	4.15	0.33	0	2.24	0.87	1	33512	Si
SLU 27	-125	-25318	0	1	0	4.15	0.33	0	4.48	0.74	1	28598	Si
SLU 25	-22	-20036	0	1	0	4.15	0.33	0	4.48	0.74	1	28586	Si
SLU 25	-73.5	-22644	0	1	0	4.15	0.33	0	2.24	0.87	1	33505	Si
SLU 25	-125	-25276	0	1	0	4.15	0.33	0	4.48	0.74	1	28586	Si
SLU 23	-22	-19997	0	1	0	4.16	0.33	0	4.49	0.74	1	28568	Si
SLU 23	-73.5	-22597	0	1	0	4.16	0.33	0	2.24	0.87	1	33496	Si

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 23	-125	-25214	0	1	0	4.16	0.33	0	4.49	0.74	1	28568	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 10	-125	-26991	357423	1.72	1321734	3.698	Si
SLV 10	-22	-20205	-56289	1.29	1464556	26.018	Si
SLV 12	-125	-14628	-480183	0.93	1343020	2.797	Si
SLV 12	-22	-13049	-500104	0.83	1269417	2.538	Si
SLV 9	-125	-26991	357423	1.72	1321734	3.698	Si
SLV 9	-22	-20205	-56289	1.29	1464556	26.018	Si
SLV 15	-125	-21648	-159883	1.38	1460903	9.137	Si
SLV 15	-22	-17812	-483973	1.14	1438793	2.973	Si
SLV 11	-125	-14628	-480183	0.93	1343020	2.797	Si
SLV 11	-22	-13049	-500104	0.83	1269417	2.538	Si
SLV 16	-125	-21648	-159883	1.38	1460903	9.137	Si
SLV 16	-22	-17812	-483973	1.14	1438793	2.973	Si
SLV 14	-125	-25357	91399	1.62	1385301	15.157	Si
SLV 14	-22	-19958	-350828	1.27	1463736	4.172	Si
SLV 7	-125	-12320	-503444	0.79	1229654	2.442	Si
SLV 7	-22	-11113	-380787	0.71	1155660	3.035	Si
SLV 8	-125	-12320	-503444	0.79	1229654	2.442	Si
SLV 8	-22	-11113	-380787	0.71	1155660	3.035	Si
SLV 13	-125	-25357	91399	1.62	1385301	15.157	Si
SLV 13	-22	-19958	-350828	1.27	1463736	4.172	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 25	-125	-25276	791	-95435	1.61	1.61	285	0.26	4144		5.24	Si
SLU 25	-22	-20036	1793	-283954	1.28	1.28	285	0.22	3446		1.92	Si
SLU 27	-125	-25318	798	-96588	1.62	1.62	285	0.26	4150		5.2	Si
SLU 27	-22	-20064	1804	-285692	1.28	1.28	285	0.22	3449		1.91	Si
SLU 33	-125	-24135	784	-93928	1.54	1.54	285	0.25	3992		5.09	Si
SLU 33	-22	-18763	1779	-279032	1.2	1.2	285	0.21	3276		1.84	Si
SLU 19	-125	-22423	721	-77164	1.43	1.43	285	0.24	3764		5.22	Si
SLU 19	-22	-17045	1657	-255346	1.09	1.09	285	0.19	3047		1.84	Si
SLU 35	-125	-24177	790	-95081	1.54	1.54	285	0.26	3998		5.06	Si
SLU 35	-22	-18790	1791	-280770	1.2	1.2	285	0.21	3279		1.83	Si
SLU 22	-125	-22507	733	-79470	1.44	1.44	285	0.24	3775		5.15	Si
SLU 22	-22	-17100	1680	-258821	1.09	1.09	285	0.19	3054		1.82	Si
SLU 26	-125	-22611	747	-83668	1.44	1.44	285	0.24	3789		5.07	Si
SLU 26	-22	-17167	1707	-263547	1.1	1.1	285	0.2	3063		1.79	Si
SLU 28	-125	-23989	764	-88577	1.53	1.53	285	0.25	3973		5.2	Si
SLU 28	-22	-18669	1741	-272569	1.19	1.19	285	0.21	3263		1.87	Si
SLU 24	-125	-22570	741	-82515	1.44	1.44	285	0.24	3783		5.11	Si
SLU 24	-22	-17139	1695	-261809	1.09	1.09	285	0.2	3059		1.8	Si
SLU 31	-125	-24072	777	-90883	1.54	1.54	285	0.25	3984		5.13	Si
SLU 31	-22	-18724	1764	-276045	1.19	1.19	285	0.21	3271		1.85	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 3	-125	-13954	-1864	-237420	0.89	0.89	285	0.21	3293		1.77	Si
SLV 3	-22	-11360	-2737	-86248	0.72	0.72	285	0.18	2861		1.05	Si
SLV 12	-125	-14628	1444	-480183	0.93	0.93	285	0.22	3406		2.36	Si
SLV 12	-22	-13049	2914	-500104	0.83	0.83	285	0.2	3142		1.08	Si
SLV 13	-125	-25357	3078	91399	1.62	1.62	285	0.33	5194		1.69	Si
SLV 13	-22	-19958	5489	-350828	1.27	1.27	285	0.27	4294		0.78	No
SLV 14	-125	-25357	3078	91399	1.62	1.62	285	0.33	5194		1.69	Si
SLV 14	-22	-19958	5489	-350828	1.27	1.27	285	0.27	4294		0.78	No
SLV 4	-125	-13954	-1864	-237420	0.89	0.89	285	0.21	3293		1.77	Si
SLV 4	-22	-11360	-2737	-86248	0.72	0.72	285	0.18	2861		1.05	Si
SLV 11	-125	-14628	1444	-480183	0.93	0.93	285	0.22	3406		2.36	Si
SLV 11	-22	-13049	2914	-500104	0.83	0.83	285	0.2	3142		1.08	Si
SLV 1	-125	-17663	-1916	13862	1.13	1.13	285	0.25	3911		2.04	Si
SLV 1	-22	-13507	-2904	46897	0.86	0.86	285	0.21	3219		1.11	Si
SLV 2	-125	-17663	-1916	13862	1.13	1.13	285	0.25	3911		2.04	Si
SLV 2	-22	-13507	-2904	46897	0.86	0.86	285	0.21	3219		1.11	Si
SLV 15	-125	-21648	3131	-159883	1.38	1.38	285	0.29	4576		1.46	Si
SLV 15	-22	-17812	5656	-483973	1.14	1.14	285	0.25	3936		0.7	No
SLV 16	-125	-21648	3131	-159883	1.38	1.38	285	0.29	4576		1.46	Si
SLV 16	-22	-17812	5656	-483973	1.14	1.14	285	0.25	3936		0.7	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -73.5 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 8	3	0.36	15.46	-11561	1967	228553	116.19	Si
SLV 7	3	0.36	15.46	-11561	1967	228553	116.19	Si
SLV 3	3	0.36	16.24	-12145	1967	235348	119.65	Si
SLV 4	3	0.36	16.24	-12145	1967	235348	119.65	Si
SLV 11	3	0.36	18.71	-13986	1967	253804	129.03	Si
SLV 12	3	0.36	18.71	-13986	1967	253804	129.03	Si
SLV 2	3	0.36	20.15	-15069	1967	262548	133.48	Si
SLV 1	3	0.36	20.15	-15069	1967	262548	133.48	Si
SLV 9	3	0.36	31.74	-23734	1967	275988	140.31	Si
SLV 10	3	0.36	31.74	-23734	1967	275988	140.31	Si

Maschio 37

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
5883.7	4584.8	5598.7	4584.8	L2	L3	285	55	66	103	103			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	-22	-28294	0	1	0	3.86	0.33	0	4.19	0.76	1	29221	Si
SLU 30	-73.5	-29509	0	1	0	3.86	0.33	0	2.1	0.87	1	33823	Si
SLU 30	-125	-32135	0	1	0	3.86	0.33	0	4.19	0.76	1	29221	No
SLU 29	-22	-28176	0	1	0	3.88	0.33	0	4.21	0.75	1	29186	Si
SLU 29	-73.5	-29391	0	1	0	3.88	0.33	0	2.1	0.87	1	33805	Si
SLU 29	-125	-32022	0	1	0	3.88	0.33	0	4.21	0.75	1	29186	No
SLU 36	-22	-27375	0	1	0	3.57	0.33	0	3.9	0.77	1	29865	Si
SLU 36	-73.5	-28650	0	1	0	3.57	0.33	0	1.95	0.88	1	34145	Si
SLU 36	-125	-31329	0	1	0	3.57	0.33	0	3.9	0.77	1	29865	No
SLU 34	-22	-27257	0	1	0	3.58	0.33	0	3.91	0.77	1	29831	Si
SLU 34	-73.5	-28532	0	1	0	3.58	0.33	0	1.96	0.88	1	34128	Si
SLU 34	-125	-31217	0	1	0	3.58	0.33	0	3.91	0.77	1	29831	No
SLU 32	-22	-27203	0	1	0	3.59	0.33	0	3.92	0.77	1	29816	Si
SLU 32	-73.5	-28473	0	1	0	3.59	0.33	0	1.96	0.88	1	34120	Si
SLU 32	-125	-31153	0	1	0	3.59	0.33	0	3.92	0.77	1	29816	No
SLU 21	-22	-26545	0	1	0	3.57	0.33	0	3.9	0.77	1	29854	Si
SLU 21	-73.5	-27823	0	1	0	3.57	0.33	0	1.95	0.88	1	34139	Si
SLU 21	-125	-30528	0	1	0	3.57	0.33	0	3.9	0.77	1	29854	No
SLU 20	-22	-26427	0	1	0	3.59	0.33	0	3.92	0.77	1	29819	Si
SLU 20	-73.5	-27705	0	1	0	3.59	0.33	0	1.96	0.88	1	34122	Si
SLU 20	-125	-30416	0	1	0	3.59	0.33	0	3.92	0.77	1	29819	No
SLU 27	-22	-25625	0	1	0	3.25	0.33	0	3.58	0.79	1	30564	Si
SLU 27	-73.5	-26964	0	1	0	3.25	0.33	0	1.79	0.89	1	34495	Si
SLU 27	-125	-29723	0	1	0	3.25	0.33	0	3.58	0.79	1	30564	Si
SLU 25	-22	-25507	0	1	0	3.27	0.33	0	3.6	0.79	1	30531	Si
SLU 25	-73.5	-26846	0	1	0	3.27	0.33	0	1.8	0.89	1	34478	Si
SLU 25	-125	-29611	0	1	0	3.27	0.33	0	3.6	0.79	1	30531	Si
SLU 23	-22	-25454	0	1	0	3.27	0.33	0	3.6	0.79	1	30516	Si
SLU 23	-73.5	-26787	0	1	0	3.27	0.33	0	1.8	0.89	1	34471	Si
SLU 23	-125	-29546	0	1	0	3.27	0.33	0	3.6	0.79	1	30516	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 3	-125	-19651	-248204	1.25	1462124	5.891	Si
SLV 3	-22	-17218	-731644	1.1	1426261	1.949	Si
SLV 10	-125	-16706	406088	1.07	1413489	3.481	Si
SLV 10	-22	-16864	764350	1.08	1417631	1.855	Si
SLV 1	-125	-14896	-163398	0.95	1353771	8.285	Si
SLV 1	-22	-14770	-705282	0.94	1348778	1.912	Si
SLV 15	-125	-30970	475714	1.98	1089540	2.29	Si
SLV 15	-22	-24833	1482012	1.58	1401755	0.946	No
SLV 4	-125	-19651	-248204	1.25	1462124	5.891	Si
SLV 4	-22	-17218	-731644	1.1	1426261	1.949	Si
SLV 16	-125	-30970	475714	1.98	1089540	2.29	Si
SLV 16	-22	-24833	1482012	1.58	1401755	0.946	No
SLV 14	-125	-26215	560520	1.67	1354219	2.416	Si
SLV 14	-22	-22385	1508374	1.43	1453465	0.964	No
SLV 13	-125	-26215	560520	1.67	1354219	2.416	Si
SLV 13	-22	-22385	1508374	1.43	1453465	0.964	No
SLV 9	-125	-16706	406088	1.07	1413489	3.481	Si
SLV 9	-22	-16864	764350	1.08	1417631	1.855	Si
SLV 2	-125	-14896	-163398	0.95	1353771	8.285	Si
SLV 2	-22	-14770	-705282	0.94	1348778	1.912	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 22	-125	-26994	-3372	220050	1.72	1.72	285	0.28	4373		1.3	Si
SLU 22	-22	-22633	-3012	496358	1.44	1.44	285	0.24	3792		1.26	Si
SLU 34	-125	-31217	-3911	229532	1.99	1.99	285	0.31	4936		1.26	Si
SLU 34	-22	-27257	-3460	562663	1.74	1.74	285	0.28	4408		1.27	Si
SLU 35	-125	-28776	-3755	250209	1.84	1.84	285	0.29	4611		1.23	Si
SLU 35	-22	-24555	-3325	564310	1.57	1.57	285	0.26	4048		1.22	Si
SLU 15	-125	-22910	-3014	198058	1.46	1.46	285	0.24	3829		1.27	Si
SLU 15	-22	-19729	-2662	452115	1.26	1.26	285	0.22	3405		1.28	Si
SLU 26	-125	-27170	-3489	234848	1.73	1.73	285	0.28	4397		1.26	Si
SLU 26	-22	-22805	-3106	521135	1.45	1.45	285	0.24	3815		1.23	Si
SLU 24	-125	-27058	-3427	224780	1.73	1.73	285	0.28	4382		1.28	Si
SLU 24	-22	-22687	-3058	504351	1.45	1.45	285	0.24	3799		1.24	Si
SLU 36	-125	-31329	-3972	239600	2	2	285	0.32	4951		1.25	Si
SLU 36	-22	-27375	-3508	579446	1.75	1.75	285	0.28	4424		1.26	Si
SLU 31	-125	-28600	-3638	235410	1.82	1.82	285	0.29	4587		1.26	Si
SLU 31	-22	-24383	-3230	539533	1.56	1.56	285	0.26	4025		1.25	Si
SLU 17	-125	-23022	-3075	208126	1.47	1.47	285	0.25	3844		1.25	Si
SLU 17	-22	-19847	-2710	468899	1.27	1.27	285	0.22	3420		1.26	Si
SLU 33	-125	-28664	-3693	240141	1.83	1.83	285	0.29	4596		1.24	Si
SLU 33	-22	-24437	-3277	547526	1.56	1.56	285	0.26	4032		1.23	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 1	-125	-14896	5423	-163398	0.95	0.95	285	0.22	3450		0.64	No
SLV 1	-22	-14770	4806	-705282	0.94	0.94	284.25	0.22	3427		0.71	No
SLV 10	-125	-16706	-5158	406088	1.07	1.07	285	0.24	3752		0.73	No
SLV 10	-22	-16864	-4963	764350	1.08	1.08	285	0.24	3778		0.76	No
SLV 14	-125	-26215	-10924	560520	1.67	1.67	285	0.34	5337		0.49	No
SLV 14	-22	-22385	-9913	1508374	1.43	1.81	225.35	0.36	4496		0.45	No
SLV 15	-125	-30970	-10962	475714	1.98	1.98	285	0.39	6129		0.56	No
SLV 15	-22	-24833	-9740	1482012	1.58	1.82	248.47	0.36	4982		0.51	No
SLV 2	-125	-14896	5423	-163398	0.95	0.95	285	0.22	3450		0.64	No
SLV 2	-22	-14770	4806	-705282	0.94	0.94	284.25	0.22	3427		0.71	No
SLV 9	-125	-16706	-5158	406088	1.07	1.07	285	0.24	3752		0.73	No
SLV 9	-22	-16864	-4963	764350	1.08	1.08	285	0.24	3778		0.76	No
SLV 16	-125	-30970	-10962	475714	1.98	1.98	285	0.39	6129		0.56	No
SLV 16	-22	-24833	-9740	1482012	1.58	1.82	248.47	0.36	4982		0.51	No
SLV 3	-125	-19651	5385	-248204	1.25	1.25	285	0.27	4243		0.79	No
SLV 3	-22	-17218	4979	-731644	1.1	1.1	285	0.24	3837		0.77	No

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 4	-125	-19651	5385	-248204	1.25	1.25	285	0.27	4243		0.79	No
SLV 4	-22	-17218	4979	-731644	1.1	1.1	285	0.24	3837		0.77	No
SLV 13	-125	-26215	-10924	560520	1.67	1.67	285	0.34	5337		0.49	No
SLV 13	-22	-22385	-9913	1508374	1.43	1.81	225.35	0.36	4496		0.45	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -73.5 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 12	3	0.36	37.89	-28326	1967	242399	123.23	Si
SLV 11	3	0.36	37.89	-28326	1967	242399	123.23	Si
SLV 5	3	0.36	17.8	-13310	1967	247555	125.85	Si
SLV 6	3	0.36	17.8	-13310	1967	247555	125.85	Si
SLV 16	3	0.36	37.16	-27782	1967	247851	126	Si
SLV 15	3	0.36	37.16	-27782	1967	247851	126	Si
SLV 1	3	0.36	18.53	-13854	1967	252633	128.44	Si
SLV 2	3	0.36	18.53	-13854	1967	252633	128.44	Si
SLV 7	3	0.36	33.73	-25220	1967	268208	136.35	Si
SLV 8	3	0.36	33.73	-25220	1967	268208	136.35	Si

Maschio 38

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
5883.7	3928.5	5883.7	4584.8	L2	L3	656.4	55	66	103	103			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 29	-22	-54018	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 29	-73.5	-57200	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 29	-125	-62982	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 30	-22	-54016	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 30	-73.5	-57198	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 30	-125	-62980	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 32	-22	-52673	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 32	-73.5	-55807	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 32	-125	-61542	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 34	-22	-52671	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 34	-73.5	-55803	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 34	-125	-61538	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 36	-22	-52669	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 36	-73.5	-55800	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 36	-125	-61535	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 20	-22	-52353	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 20	-73.5	-55480	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 20	-125	-61204	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 21	-22	-52351	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 21	-73.5	-55477	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 21	-125	-61202	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 23	-22	-51009	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 23	-73.5	-54086	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 23	-125	-59765	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 25	-22	-51006	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 25	-73.5	-54082	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 25	-125	-59760	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 27	-22	-51005	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 27	-73.5	-54080	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si
SLU 27	-125	-59758	0	1	0	0	0.33	0	0.33	0.97	1	86824	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 9	-125	-46572	-8826513	1.29	7767895	0.88	No
SLV 9	-22	-39666	-7783084	1.1	7565287	0.972	No
SLV 6	-125	-46142	-7463815	1.28	7764925	1.04	Si
SLV 6	-22	-39347	-6511326	1.09	7547932	1.159	Si
SLV 11	-125	-46440	5803041	1.29	7767117	1.338	Si
SLV 11	-22	-39723	4715616	1.1	7568307	1.605	Si
SLV 7	-125	-46009	7165738	1.27	7763752	1.083	Si
SLV 7	-22	-39404	5987375	1.09	7551078	1.261	Si
SLV 8	-125	-46009	7165738	1.27	7763752	1.083	Si
SLV 8	-22	-39404	5987375	1.09	7551078	1.261	Si
SLV 10	-125	-46572	-8826513	1.29	7767895	0.88	No
SLV 10	-22	-39666	-7783084	1.1	7565287	0.972	No
SLV 12	-125	-46440	5803041	1.29	7767117	1.338	Si
SLV 12	-22	-39723	4715616	1.1	7568307	1.605	Si
SLV 5	-125	-46142	-7463815	1.28	7764925	1.04	Si
SLV 5	-22	-39347	-6511326	1.09	7547932	1.159	Si
SLV 13	-125	-47028	-5295983	1.3	7769639	1.467	Si
SLV 13	-22	-40059	-4892258	1.11	7585650	1.551	Si
SLV 14	-125	-47028	-5295983	1.3	7769639	1.467	Si
SLV 14	-22	-40059	-4892258	1.11	7585650	1.551	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 34	-125	-61538	-3501	-1154087	1.7	1.7	656.35	0.28	9988		2.85	Si
SLU 34	-22	-52671	-3501	-1240948	1.46	1.46	656.35	0.24	8805		2.52	Si
SLU 31	-125	-58195	-3352	-1104017	1.61	1.61	656.35	0.26	9542		2.85	Si
SLU 31	-22	-49544	-3351	-1187063	1.37	1.37	656.35	0.23	8388		2.5	Si
SLU 27	-125	-59758	-3378	-1111809	1.66	1.66	656.35	0.27	9750		2.89	Si

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 27	-22	-51005	-3378	-1197280	1.41	1.41	656.35	0.24	8583		2.54	Si
SLU 36	-125	-61535	-3546	-1170497	1.7	1.7	656.35	0.28	9987		2.82	Si
SLU 36	-22	-52669	-3546	-1256501	1.46	1.46	656.35	0.24	8805		2.48	Si
SLU 26	-125	-56410	-3275	-1078053	1.56	1.56	656.35	0.26	9304		2.84	Si
SLU 26	-22	-47875	-3275	-1159352	1.33	1.33	656.35	0.23	8166		2.49	Si
SLU 35	-125	-58187	-3443	-1136741	1.61	1.61	656.35	0.26	9541		2.77	Si
SLU 35	-22	-49540	-3443	-1218573	1.37	1.37	656.35	0.23	8388		2.44	Si
SLU 33	-125	-58190	-3398	-1120330	1.61	1.61	656.35	0.26	9541		2.81	Si
SLU 33	-22	-49541	-3398	-1203019	1.37	1.37	656.35	0.23	8388		2.47	Si
SLU 17	-125	-45636	-2773	-918563	1.26	1.26	656.35	0.22	7867		2.84	Si
SLU 17	-22	-38929	-2774	-981099	1.08	1.08	656.35	0.19	6973		2.51	Si
SLU 24	-125	-56412	-3231	-1061642	1.56	1.56	656.35	0.26	9304		2.88	Si
SLU 24	-22	-47877	-3230	-1143799	1.33	1.33	656.35	0.23	8166		2.53	Si
SLU 32	-125	-61542	-3454	-1137773	1.7	1.7	656.35	0.28	9988		2.89	Si
SLU 32	-22	-52673	-3454	-1224991	1.46	1.46	656.35	0.24	8806		2.55	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 9	-125	-46572	-33913	-8826513	1.29	2.04	415.96	0.4	9174		0.27	No
SLV 9	-22	-39666	-33755	-7783084	1.1	1.82	395.89	0.37	7955		0.24	No
SLV 12	-125	-46440	23928	5803041	1.29	1.38	609.65	0.29	9810		0.41	No
SLV 12	-22	-39723	23811	4715616	1.1	1.15	628.39	0.25	8754		0.37	No
SLV 7	-125	-46009	28852	7165738	1.27	1.62	517.29	0.33	9424		0.33	No
SLV 7	-22	-39404	28694	5987375	1.09	1.36	528.69	0.29	8362		0.29	No
SLV 14	-125	-47028	-19413	-5295983	1.3	1.32	646.69	0.28	10034		0.52	No
SLV 14	-22	-40059	-19303	-4892258	1.11	1.18	618.15	0.26	8775		0.45	No
SLV 13	-125	-47028	-19413	-5295983	1.3	1.32	646.69	0.28	10034		0.52	No
SLV 13	-22	-40059	-19303	-4892258	1.11	1.18	618.15	0.26	8775		0.45	No
SLV 8	-125	-46009	28852	7165738	1.27	1.62	517.29	0.33	9424		0.33	No
SLV 8	-22	-39404	28694	5987375	1.09	1.36	528.69	0.29	8362		0.29	No
SLV 6	-125	-46142	-28990	-7463815	1.28	1.68	499.26	0.34	9385		0.32	No
SLV 6	-22	-39347	-28872	-6511326	1.09	1.47	488.08	0.31	8215		0.28	No
SLV 11	-125	-46440	23928	5803041	1.29	1.38	609.65	0.29	9810		0.41	No
SLV 11	-22	-39723	23811	4715616	1.1	1.15	628.39	0.25	8754		0.37	No
SLV 10	-125	-46572	-33913	-8826513	1.29	2.04	415.96	0.4	9174		0.27	No
SLV 10	-22	-39666	-33755	-7783084	1.1	1.82	395.89	0.37	7955		0.24	No
SLV 5	-125	-46142	-28990	-7463815	1.28	1.68	499.26	0.34	9385		0.32	No
SLV 5	-22	-39347	-28872	-6511326	1.09	1.47	488.08	0.31	8215		0.28	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota -73.5 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 4	3	0.36	24.08	-41459	4530	641012	141.5	Si
SLV 3	3	0.36	24.08	-41459	4530	641012	141.5	Si
SLV 1	3	0.36	24.11	-41508	4530	641178	141.54	Si
SLV 2	3	0.36	24.11	-41508	4530	641178	141.54	Si
SLV 7	3	0.36	24.22	-41703	4530	641829	141.68	Si
SLV 8	3	0.36	24.22	-41703	4530	641829	141.68	Si
SLV 6	3	0.36	24.31	-41866	4530	642356	141.8	Si
SLV 5	3	0.36	24.31	-41866	4530	642356	141.8	Si
SLV 12	3	0.36	24.37	-41960	4530	642655	141.87	Si
SLV 11	3	0.36	24.37	-41960	4530	642655	141.87	Si

Maschio 39

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2269.9	843.5	2243.7	843.5	L3	L4	26.2	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 29	408	-2460	0	1	0	-2.77	2.03	0	4.8	0.65	1	2334	No
SLU 29	193	-3151	0	1	0	-2.77	2.03	0	2.4	0.78	1	2794	No
SLU 29	-22	-1518	0	1	0	-2.77	2.03	0	4.8	0.65	1	2334	Si
SLU 30	408	-2452	0	1	0	-2.78	2.03	0	4.81	0.65	1	2333	No
SLU 30	193	-3143	0	1	0	-2.78	2.03	0	2.41	0.78	1	2793	No
SLU 30	-22	-1513	0	1	0	-2.78	2.03	0	4.81	0.65	1	2333	Si
SLU 20	408	-2438	0	1	0	-2.65	2.03	0	4.68	0.66	1	2348	No
SLU 20	193	-3126	0	1	0	-2.65	2.03	0	2.34	0.79	1	2806	No
SLU 20	-22	-1516	0	1	0	-2.65	2.03	0	4.68	0.66	1	2348	Si
SLU 21	408	-2430	0	1	0	-2.66	2.03	0	4.69	0.66	1	2347	No
SLU 21	193	-3117	0	1	0	-2.66	2.03	0	2.35	0.79	1	2805	No
SLU 21	-22	-1511	0	1	0	-2.66	2.03	0	4.69	0.66	1	2347	Si
SLU 34	408	-2388	0	1	0	-2.54	2.03	0	4.57	0.66	1	2362	No
SLU 34	193	-3071	0	1	0	-2.54	2.03	0	2.29	0.79	1	2817	No
SLU 34	-22	-1480	0	1	0	-2.54	2.03	0	4.57	0.66	1	2362	Si
SLU 36	408	-2380	0	1	0	-2.55	2.03	0	4.58	0.66	1	2361	No
SLU 36	193	-3062	0	1	0	-2.55	2.03	0	2.29	0.79	1	2816	No
SLU 36	-22	-1475	0	1	0	-2.55	2.03	0	4.58	0.66	1	2361	Si
SLU 32	408	-2361	0	1	0	-2.57	2.03	0	4.6	0.66	1	2359	No
SLU 32	193	-3044	0	1	0	-2.57	2.03	0	2.3	0.79	1	2814	No
SLU 32	-22	-1471	0	1	0	-2.57	2.03	0	4.6	0.66	1	2359	Si
SLU 25	408	-2366	0	1	0	-2.42	2.03	0	4.45	0.67	1	2387	Si
SLU 25	193	-3045	0	1	0	-2.42	2.03	0	2.22	0.79	1	2829	No
SLU 25	-22	-1478	0	1	0	-2.42	2.03	0	4.45	0.67	1	2387	Si
SLU 27	408	-2358	0	1	0	-2.43	2.03	0	4.46	0.67	1	2386	Si
SLU 27	193	-3037	0	1	0	-2.43	2.03	0	2.23	0.79	1	2828	No

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 27	-22	-1473	0	1	0	-2.43	2.03	0	4.46	0.67	1	2386	Si
SLU 23	408	-2340	0	1	0	-2.45	2.03	0	4.48	0.67	1	2382	Si
SLU 23	193	-3019	0	1	0	-2.45	2.03	0	2.24	0.79	1	2826	No
SLU 23	-22	-1469	0	1	0	-2.45	2.03	0	4.48	0.67	1	2382	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 19	10	-3355	0	-13503	2.32	2.32	26.25	0.36	519		4097.65	Si
SLU 19	280	-2643	5	-11103	1.83	1.83	26.25	0.29	424		83.07	Si
SLU 32	10	-3575	0	-14398	2.48	2.48	26.25	0.38	548		5101.89	Si
SLU 32	280	-2863	5	-12054	1.98	1.98	26.25	0.31	453		83.04	Si
SLU 25	10	-3575	0	-14419	2.48	2.48	26.25	0.38	548		3470.15	Si
SLU 25	280	-2865	6	-12064	1.99	1.99	26.25	0.31	453		82.17	Si
SLU 21	10	-3646	0	-14724	2.53	2.53	26.25	0.39	557		2841.79	Si
SLU 21	280	-2939	6	-12379	2.04	2.04	26.25	0.32	463		81.47	Si
SLU 30	10	-3673	0	-14815	2.54	2.54	26.25	0.39	561		3892.99	Si
SLU 30	280	-2963	6	-12485	2.05	2.05	26.25	0.32	466		82.28	Si
SLU 23	10	-3548	0	-14308	2.46	2.46	26.25	0.38	544		3414.08	Si
SLU 23	280	-2839	5	-11948	1.97	1.97	26.25	0.31	450		82.19	Si
SLU 20	10	-3654	0	-14763	2.53	2.53	26.25	0.39	559		2680.93	Si
SLU 20	280	-2947	6	-12416	2.04	2.04	26.25	0.32	464		81.27	Si
SLU 34	10	-3602	0	-14509	2.5	2.5	26.25	0.38	552		5210.25	Si
SLU 34	280	-2890	6	-12170	2	2	26.25	0.32	457		83.01	Si
SLU 27	10	-3567	0	-14380	2.47	2.47	26.25	0.38	547		3752.63	Si
SLU 27	280	-2857	5	-12027	1.98	1.98	26.25	0.31	452		82.39	Si
SLU 29	10	-3681	0	-14853	2.55	2.55	26.25	0.39	562		3596.66	Si
SLU 29	280	-2972	6	-12522	2.06	2.06	26.25	0.32	468		82.08	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 13	3	0.46	0	3972	8625	0	0	No
SLV 6	3	0.46	0	-4904	8625	0	0	No
SLV 3	3	0.46	0	-8586	8625	0	0	No
SLV 1	3	0.46	0	-8979	8625	0	0	No
SLV 11	3	0.46	0	289	8625	0	0	No
SLV 4	3	0.46	0	-8586	8625	0	0	No
SLV 2	3	0.46	0	-8979	8625	0	0	No
SLV 5	3	0.46	0	-4904	8625	0	0	No
SLV 12	3	0.46	0	289	8625	0	0	No
SLV 14	3	0.46	0	3972	8625	0	0	No

Maschio 40

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2823.7	843.5	2384.9	843.5	L3	L4	438.8	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	408	-9788	0	1	0	-9.17	2.03	0	11.2	0.43	1	25459	Si
SLU 30	193	-25292	0	1	0	-9.17	2.03	0	5.6	0.63	1	37355	Si
SLU 30	-22	-36483	0	1	0	-9.17	2.03	0	11.2	0.43	1	25459	No
SLU 29	408	-9793	0	1	0	-9.17	2.03	0	11.2	0.43	1	25459	Si
SLU 29	193	-25304	0	1	0	-9.17	2.03	0	5.6	0.63	1	37355	Si
SLU 29	-22	-36482	0	1	0	-9.17	2.03	0	11.2	0.43	1	25459	No
SLU 36	408	-9503	0	1	0	-9.17	2.03	0	11.2	0.43	1	25459	Si
SLU 36	193	-24868	0	1	0	-9.17	2.03	0	5.6	0.63	1	37355	Si
SLU 36	-22	-36141	0	1	0	-9.17	2.03	0	11.2	0.43	1	25459	No
SLU 34	408	-9508	0	1	0	-9.17	2.03	0	11.2	0.43	1	25459	Si
SLU 34	193	-24880	0	1	0	-9.17	2.03	0	5.6	0.63	1	37355	Si
SLU 34	-22	-36140	0	1	0	-9.17	2.03	0	11.2	0.43	1	25459	No
SLU 21	408	-9441	0	1	0	-9.17	2.03	0	11.2	0.43	1	25459	Si
SLU 21	193	-24881	0	1	0	-9.17	2.03	0	5.6	0.63	1	37355	Si
SLU 21	-22	-36066	0	1	0	-9.17	2.03	0	11.2	0.43	1	25459	No
SLU 20	408	-9447	0	1	0	-9.17	2.03	0	11.2	0.43	1	25459	Si
SLU 20	193	-24893	0	1	0	-9.17	2.03	0	5.6	0.63	1	37355	Si
SLU 20	-22	-36066	0	1	0	-9.17	2.03	0	11.2	0.43	1	25459	No
SLU 32	408	-9314	0	1	0	-9.17	2.03	0	11.2	0.43	1	25459	Si
SLU 32	193	-24660	0	1	0	-9.17	2.03	0	5.6	0.63	1	37355	Si
SLU 32	-22	-35941	0	1	0	-9.17	2.03	0	11.2	0.43	1	25459	No
SLU 27	408	-9156	0	1	0	-9.17	2.03	0	11.2	0.43	1	25459	Si
SLU 27	193	-24457	0	1	0	-9.17	2.03	0	5.6	0.63	1	37355	Si
SLU 27	-22	-35724	0	1	0	-9.17	2.03	0	11.2	0.43	1	25459	No
SLU 25	408	-9162	0	1	0	-9.17	2.03	0	11.2	0.43	1	25459	Si
SLU 25	193	-24469	0	1	0	-9.17	2.03	0	5.6	0.63	1	37355	Si
SLU 25	-22	-35724	0	1	0	-9.17	2.03	0	11.2	0.43	1	25459	No
SLU 23	408	-8967	0	1	0	-9.17	2.03	0	11.2	0.43	1	25459	Si
SLU 23	193	-24250	0	1	0	-9.17	2.03	0	5.6	0.63	1	37355	Si
SLU 23	-22	-35524	0	1	0	-9.17	2.03	0	11.2	0.43	1	25459	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 1	10	-41296	9863404	0	0	0	No
SLV 1	280	-27358	1758065	1.13	3408127	1.939	Si
SLV 6	10	-34633	4775708	1.44	3441317	0.721	No
SLV 6	280	-19768	1483415	0.82	2982506	2.011	Si
SLV 15	10	-13329	-8836062	0	0	0	No

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 15	280	-2849	482926	0.12	596845	1.236	Si
SLV 4	10	-39236	8902667	0	0	0	No
SLV 4	280	-26707	1644890	1.11	3387268	2.059	Si
SLV 13	10	-15389	-7875325	0	0	0	No
SLV 13	280	-3500	596101	0.15	725398	1.217	Si
SLV 16	10	-13329	-8836062	0	0	0	No
SLV 16	280	-2849	482926	0.12	596845	1.236	Si
SLV 14	10	-15389	-7875325	0	0	0	No
SLV 14	280	-3500	596101	0.15	725398	1.217	Si
SLV 2	10	-41296	9863404	0	0	0	No
SLV 2	280	-27358	1758065	1.13	3408127	1.939	Si
SLV 3	10	-39236	8902667	0	0	0	No
SLV 3	280	-26707	1644890	1.11	3387268	2.059	Si
SLV 5	10	-34633	4775708	1.44	3441317	0.721	No
SLV 5	280	-19768	1483415	0.82	2982506	2.011	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 34	10	-36173	-3426	660978	1.5	1.5	438.75	0.25	6015		1.76	Si
SLU 34	280	-20330	-3418	1514148	0.84	0.85	434.7	0.16	3891		1.14	Si
SLU 36	10	-36161	-3450	653916	1.5	1.5	438.75	0.25	6013		1.74	Si
SLU 36	280	-20319	-3441	1513261	0.84	0.85	434.71	0.16	3890		1.13	Si
SLU 11	10	-28793	-2986	516897	1.19	1.19	438.75	0.21	5031		1.68	Si
SLU 11	280	-16660	-2979	1256046	0.69	0.7	431.95	0.14	3395		1.14	Si
SLU 12	10	-28781	-3009	509836	1.19	1.19	438.75	0.21	5029		1.67	Si
SLU 12	280	-16649	-3002	1255159	0.69	0.7	431.96	0.14	3393		1.13	Si
SLU 18	10	-28378	-2894	494898	1.18	1.18	438.75	0.21	4975		1.72	Si
SLU 18	280	-16219	-2887	1214797	0.67	0.68	433.43	0.14	3340		1.16	Si
SLU 32	10	-35956	-3393	653226	1.49	1.49	438.75	0.25	5986		1.76	Si
SLU 32	280	-20109	-3384	1498179	0.83	0.84	434.62	0.16	3862		1.14	Si
SLU 30	10	-36565	-3565	668854	1.52	1.52	438.75	0.25	6067		1.7	Si
SLU 30	280	-20749	-3556	1553622	0.86	0.87	433.5	0.17	3944		1.11	Si
SLU 21	10	-36165	-3340	688321	1.5	1.5	438.75	0.25	6014		1.8	Si
SLU 21	280	-20329	-3331	1516609	0.84	0.85	434.32	0.16	3890		1.17	Si
SLU 29	10	-36576	-3542	675915	1.52	1.52	438.75	0.25	6069		1.71	Si
SLU 29	280	-20760	-3533	1554509	0.86	0.87	433.49	0.17	3945		1.12	Si
SLU 16	10	-28390	-2871	501960	1.18	1.18	438.75	0.21	4977		1.73	Si
SLU 16	280	-16230	-2864	1215684	0.67	0.68	433.43	0.14	3341		1.17	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 2	10	-41296	38448	9863404	1.71	0	0	0.06	0		0	No
SLV 2	280	-27358	31059	1758065	1.13	1.13	438.75	0.25	6049		0.19	No
SLV 11	10	-19992	-21498	-3748366	0.83	3.8	95.66	0.7	3657		0.17	No
SLV 11	280	-10439	-18972	757576	0.43	0.43	438.75	0.13	3229		0.17	No
SLV 4	10	-39236	33965	8902667	1.63	0	0	0.06	0		0	No
SLV 4	280	-26707	26774	1644890	1.11	1.11	438.75	0.25	5941		0.22	No
SLV 3	10	-39236	33965	8902667	1.63	0	0	0.06	0		0	No
SLV 3	280	-26707	26774	1644890	1.11	1.11	438.75	0.25	5941		0.22	No
SLV 12	10	-19992	-21498	-3748366	0.83	3.8	95.66	0.7	3657		0.17	No
SLV 12	280	-10439	-18972	757576	0.43	0.43	438.75	0.13	3229		0.17	No
SLV 14	10	-15389	-38834	-7875325	0.64	0	0	0.06	0		0	No
SLV 14	280	-3500	-31630	596101	0.15	0.43	147.21	0.13	1083		0.03	No
SLV 15	10	-13329	-43317	-8836062	0.55	0	0	0.06	0		0	No
SLV 15	280	-2849	-35914	482926	0.12	0.35	149.58	0.12	983		0.03	No
SLV 16	10	-13329	-43317	-8836062	0.55	0	0	0.06	0		0	No
SLV 16	280	-2849	-35914	482926	0.12	0.35	149.58	0.12	983		0.03	No
SLV 1	10	-41296	38448	9863404	1.71	0	0	0.06	0		0	No
SLV 1	280	-27358	31059	1758065	1.13	1.13	438.75	0.25	6049		0.19	No
SLV 13	10	-15389	-38834	-7875325	0.64	0	0	0.06	0		0	No
SLV 13	280	-3500	-31630	596101	0.15	0.43	147.21	0.13	1083		0.03	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 15	3	0.46	5.94	-6839	144178	167761	1.16	Si
SLV 16	3	0.46	5.94	-6839	144178	167761	1.16	Si
SLV 13	3	0.46	6.52	-7501	144178	181844	1.26	Si
SLV 14	3	0.46	6.52	-7501	144178	181844	1.26	Si
SLV 12	3	0.46	12.23	-14076	144178	301020	2.09	Si
SLV 11	3	0.46	12.23	-14076	144178	301020	2.09	Si
SLV 10	3	0.46	14.15	-16283	144178	332607	2.31	Si
SLV 9	3	0.46	14.15	-16283	144178	332607	2.31	Si
SLV 7	3	0.46	18.19	-20941	144178	385384	2.67	Si
SLV 8	3	0.46	18.19	-20941	144178	385384	2.67	Si

Maschio 41

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2823.7	897.2	2823.7	843.5	L3	L4	53.7	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	408	13	0	1	0	0	2.03	0	0	0	0	0	No
SLU 1	193	-1056	0	1	0	0	2.03	0	2.03	0.8	1	5865	Si

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	-22	-1509	0	1	0	0	2.03	0	2.03	0.8	1	5865	Si
SLU 21	408	64	0	1	0	0	2.03	0	0	0	0	0	No
SLU 21	193	-1409	0	1	0	0	2.03	0	2.03	0.8	1	5865	Si
SLU 21	-22	-2084	0	1	0	0	2.03	0	2.03	0.8	1	5865	Si
SLU 22	408	15	0	1	0	0	2.03	0	0	0	0	0	No
SLU 22	193	-1372	0	1	0	0	2.03	0	2.03	0.8	1	5865	Si
SLU 22	-22	-1955	0	1	0	0	2.03	0	2.03	0.8	1	5865	Si
SLU 23	408	54	0	1	0	0	2.03	0	0	0	0	0	No
SLU 23	193	-1413	0	1	0	0	2.03	0	2.03	0.8	1	5865	Si
SLU 23	-22	-2054	0	1	0	0	2.03	0	2.03	0.8	1	5865	Si
SLU 24	408	15	0	1	0	0	2.03	0	0	0	0	0	No
SLU 24	193	-1389	0	1	0	0	2.03	0	2.03	0.8	1	5865	Si
SLU 24	-22	-1966	0	1	0	0	2.03	0	2.03	0.8	1	5865	Si
SLU 25	408	55	0	1	0	0	2.03	0	0	0	0	0	No
SLU 25	193	-1430	0	1	0	0	2.03	0	2.03	0.8	1	5865	Si
SLU 25	-22	-2065	0	1	0	0	2.03	0	2.03	0.8	1	5865	Si
SLU 26	408	23	0	1	0	0	2.03	0	0	0	0	0	No
SLU 26	193	-1411	0	1	0	0	2.03	0	2.03	0.8	1	5865	Si
SLU 26	-22	-1979	0	1	0	0	2.03	0	2.03	0.8	1	5865	Si
SLU 20	408	56	0	1	0	0	2.03	0	0	0	0	0	No
SLU 20	193	-1388	0	1	0	0	2.03	0	2.03	0.8	1	5865	Si
SLU 20	-22	-2072	0	1	0	0	2.03	0	2.03	0.8	1	5865	Si
SLU 27	408	62	0	1	0	0	2.03	0	0	0	0	0	No
SLU 27	193	-1452	0	1	0	0	2.03	0	2.03	0.8	1	5865	Si
SLU 27	-22	-2077	0	1	0	0	2.03	0	2.03	0.8	1	5865	Si
SLU 29	408	105	0	1	0	0	2.03	0	0	0	0	0	No
SLU 29	193	-1516	0	1	0	0	2.03	0	2.03	0.8	1	5865	Si
SLU 29	-22	-2163	0	1	0	0	2.03	0	2.03	0.8	1	5865	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 23	10	-3072	-4	488	1.04	1.04	53.68	0.19	555		136.56	Si
SLU 23	290	-663	-4	-7729	0.22	0.26	45.57	0.08	212		51.25	Si
SLU 30	10	-3230	-4	533	1.09	1.09	53.68	0.2	576		137.68	Si
SLU 30	290	-771	-4	-8986	0.26	0.31	45.57	0.09	227		53.75	Si
SLU 25	10	-3092	-4	441	1.05	1.05	53.68	0.19	558		136.67	Si
SLU 25	290	-679	-4	-7881	0.23	0.27	45.7	0.09	215		51.73	Si
SLU 19	10	-2938	-4	-469	0.99	0.99	53.68	0.18	537		139.82	Si
SLU 19	290	-602	-4	-6812	0.2	0.23	46.56	0.08	207		52.84	Si
SLU 24	10	-2999	-4	-870	1.02	1.02	53.68	0.18	546		141.92	Si
SLU 24	290	-658	-4	-7356	0.22	0.25	47.01	0.08	215		55.57	Si
SLU 20	10	-3070	-4	1404	1.04	1.04	53.68	0.19	555		132.67	Si
SLU 20	290	-631	-4	-7562	0.21	0.26	44.57	0.08	205		47.71	Si
SLU 29	10	-3209	-4	710	1.09	1.09	53.68	0.19	574		136.77	Si
SLU 29	290	-751	-4	-8790	0.25	0.3	45.4	0.09	223		52.72	Si
SLU 22	10	-2980	-4	-823	1.01	1.01	53.68	0.18	543		141.82	Si
SLU 22	290	-643	-4	-7205	0.22	0.25	46.9	0.08	213		55.09	Si
SLU 21	10	-3091	-4	1227	1.05	1.05	53.68	0.19	558		133.58	Si
SLU 21	290	-652	-4	-7758	0.22	0.26	44.8	0.08	209		48.74	Si
SLU 27	10	-3113	-4	264	1.05	1.05	53.68	0.19	561		137.61	Si
SLU 27	290	-700	-4	-8077	0.24	0.28	45.89	0.09	218		52.78	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 11	3	0.46	0	10600	17641	0	0	No
SLV 4	3	0.46	0	3916	17641	0	0	No
SLV 12	3	0.46	0	10600	17641	0	0	No
SLV 5	3	0.46	0	-12833	17641	0	0	No
SLV 3	3	0.46	0	3916	17641	0	0	No
SLV 6	3	0.46	0	-12833	17641	0	0	No
SLV 9	3	0.46	0	-13669	17641	0	0	No
SLV 10	3	0.46	0	-13669	17641	0	0	No
SLV 7	3	0.46	0	11436	17641	0	0	No
SLV 8	3	0.46	0	11436	17641	0	0	No

Maschio 42

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2823.7	1194.6	2823.7	1007.2	L3	L4	187.5	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 36	408	-5366	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 36	193	-8587	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 36	-22	-13846	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 30	408	-5314	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 30	193	-8559	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 30	-22	-13808	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 34	408	-5338	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 34	193	-8537	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 34	-22	-13740	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 29	408	-5286	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 29	193	-8510	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 29	-22	-13703	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 32	408	-5317	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 32	193	-8472	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 32	-22	-13620	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 35	408	-5305	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 35	193	-8267	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 35	-22	-13159	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 27	408	-5274	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 27	193	-8246	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 27	-22	-13094	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 21	408	-5222	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 21	193	-8219	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 21	-22	-13056	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 33	408	-5277	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 33	193	-8217	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 33	-22	-13053	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 25	408	-5246	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 25	193	-8196	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si
SLU 25	-22	-12988	0	1	0	0	2.03	0	2.03	0.8	1	20484	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 12	10	28629	-2271700	0	0	0	No
SLV 12	290	-7662	1099403	0	0	0	No
SLV 3	10	8071	-897196	0	0	0	No
SLV 3	290	-4193	439603	0	0	0	No
SLV 11	10	28629	-2271700	0	0	0	No
SLV 11	290	-7662	1099403	0	0	0	No
SLV 6	10	-47085	2014387	4.57	0	0	No
SLV 6	290	-4997	-652232	0	0	0	No
SLV 16	10	-2832	-666689	0	0	0	No
SLV 16	290	-8846	525342	0.86	558067	1.062	Si
SLV 5	10	-47085	2014387	4.57	0	0	No
SLV 5	290	-4997	-652232	0	0	0	No
SLV 9	10	-50356	2083539	4.88	0	0	No
SLV 9	290	-6393	-626510	0	0	0	No
SLV 15	10	-2832	-666689	0	0	0	No
SLV 15	290	-8846	525342	0.86	558067	1.062	Si
SLV 4	10	8071	-897196	0	0	0	No
SLV 4	290	-4193	439603	0	0	0	No
SLV 10	10	-50356	2083539	4.88	0	0	No
SLV 10	290	-6393	-626510	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 28	10	-11698	-1507	-162770	1.13	1.13	187.48	0.2	2069		1.37	Si
SLU 28	290	-8117	-3767	291952	0.79	0.85	173.32	0.16	1553		0.41	No
SLU 22	10	-11082	-1800	-171207	1.07	1.07	187.48	0.19	1987		1.1	Si
SLU 22	290	-7982	-3949	297825	0.77	0.86	169.29	0.16	1524		0.39	No
SLU 25	10	-11948	-1481	-171237	1.16	1.16	187.48	0.2	2102		1.42	Si
SLU 25	290	-8254	-3778	292523	0.8	0.86	174.9	0.16	1576		0.42	No
SLU 20	10	-11885	-1528	-177100	1.15	1.15	187.48	0.2	2094		1.37	Si
SLU 20	290	-8242	-3816	292791	0.8	0.86	174.65	0.16	1573		0.41	No
SLU 27	10	-12070	-1425	-169122	1.17	1.17	187.48	0.21	2119		1.49	Si
SLU 27	290	-8285	-3744	291773	0.8	0.86	175.57	0.16	1582		0.42	No
SLU 23	10	-11815	-1530	-172372	1.15	1.15	187.48	0.2	2085		1.36	Si
SLU 23	290	-8207	-3808	293251	0.8	0.86	174.03	0.16	1567		0.41	No
SLU 26	10	-11337	-1694	-167958	1.1	1.1	187.48	0.2	2021		1.19	Si
SLU 26	290	-8060	-3885	296346	0.78	0.86	170.92	0.16	1539		0.4	No
SLU 24	10	-11216	-1751	-170072	1.09	1.09	187.48	0.19	2005		1.14	Si
SLU 24	290	-8029	-3920	297096	0.78	0.86	170.22	0.16	1533		0.39	No
SLU 21	10	-12007	-1471	-174985	1.16	1.16	187.48	0.2	2110		1.43	Si
SLU 21	290	-8273	-3781	292041	0.8	0.86	175.32	0.16	1579		0.42	No
SLU 19	10	-10838	-1913	-175436	1.05	1.05	187.48	0.19	1954		1.02	Si
SLU 19	290	-7921	-4018	299324	0.77	0.86	167.85	0.16	1512		0.38	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 4	10	8071	-11093	-897196	-0.78	0	0	0.06	0		0	No
SLV 4	290	-4193	-11240	439603	0.41	0	0	0.06	0		0	No
SLV 9	10	-50356	26943	2083539	4.88	5.83	157.09	1.03	8926		0.33	No
SLV 9	290	-6393	19537	-626510	0.62	0	0	0.06	0		0	No
SLV 15	10	-2832	-7605	-666689	0.27	0	0	0.06	0		0	No
SLV 15	290	-8846	-7623	525342	0.86	1.56	103.06	0.32	1824		0.24	No
SLV 12	10	28629	-28086	-2271700	-2.78	0	0	0.06	0		0	No
SLV 12	290	-7662	-24195	1099403	0.74	0	0	0.06	0		0	No
SLV 5	10	-47085	25897	2014387	4.57	5.6	152.87	1	8366		0.32	No
SLV 5	290	-4997	18452	-652232	0.48	0	0	0.06	0		0	No
SLV 10	10	-50356	26943	2083539	4.88	5.83	157.09	1.03	8926		0.33	No
SLV 10	290	-6393	19537	-626510	0.62	0	0	0.06	0		0	No
SLV 6	10	-47085	25897	2014387	4.57	5.6	152.87	1	8366		0.32	No
SLV 6	290	-4997	18452	-652232	0.48	0	0	0.06	0		0	No
SLV 16	10	-2832	-7605	-666689	0.27	0	0	0.06	0		0	No
SLV 16	290	-8846	-7623	525342	0.86	1.56	103.06	0.32	1824		0.24	No
SLV 11	10	28629	-28086	-2271700	-2.78	0	0	0.06	0		0	No
SLV 11	290	-7662	-24195	1099403	0.74	0	0	0.06	0		0	No
SLV 3	10	8071	-11093	-897196	-0.78	0	0	0.06	0		0	No
SLV 3	290	-4193	-11240	439603	0.41	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 11	3	0.46	0	3510	61607	0	0	No
SLV 7	3	0.46	0	5561	61607	0	0	No
SLV 12	3	0.46	0	3510	61607	0	0	No
SLV 3	3	0.46	0	368	61607	0	0	No
SLV 8	3	0.46	0	5561	61607	0	0	No
SLV 4	3	0.46	0	368	61607	0	0	No
SLV 2	3	0.46	12.47	-6134	61607	130439	2.12	Si
SLV 1	3	0.46	12.47	-6134	61607	130439	2.12	Si
SLV 16	3	0.46	13.16	-6470	61607	135374	2.2	Si
SLV 15	3	0.46	13.16	-6470	61607	135374	2.2	Si

Maschio 43

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3013.7	1194.6	2823.7	1194.6	L3	L4	190	80	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 29	408	-5678	0	1	0	-9.43	2.03	0	11.46	0.59	1	22272	Si
SLU 29	193	-12155	0	1	0	-9.43	2.03	0	5.73	0.74	1	27960	Si
SLU 29	-22	-34273	0	1	0	-9.43	2.03	0	11.46	0.59	1	22272	No
SLU 30	408	-5774	0	1	0	-9.28	2.03	0	11.31	0.6	1	22412	Si
SLU 30	193	-12190	0	1	0	-9.28	2.03	0	5.65	0.75	1	28074	Si
SLU 30	-22	-34294	0	1	0	-9.28	2.03	0	11.31	0.6	1	22412	No
SLU 20	408	-5263	0	1	0	-9.13	2.03	0	11.16	0.6	1	22546	Si
SLU 20	193	-11864	0	1	0	-9.13	2.03	0	5.58	0.75	1	28182	Si
SLU 20	-22	-33645	0	1	0	-9.13	2.03	0	11.16	0.6	1	22546	No
SLU 21	408	-5358	0	1	0	-8.96	2.03	0	10.99	0.6	1	22692	Si
SLU 21	193	-11898	0	1	0	-8.96	2.03	0	5.5	0.75	1	28301	Si
SLU 21	-22	-33667	0	1	0	-8.96	2.03	0	10.99	0.6	1	22692	No
SLU 34	408	-5747	0	1	0	-8.55	2.03	0	10.58	0.61	1	23069	Si
SLU 34	193	-12077	0	1	0	-8.55	2.03	0	5.29	0.76	1	28607	Si
SLU 34	-22	-33896	0	1	0	-8.55	2.03	0	10.58	0.61	1	23069	No
SLU 32	408	-5728	0	1	0	-8.58	2.03	0	10.61	0.61	1	23043	Si
SLU 32	193	-12009	0	1	0	-8.58	2.03	0	5.3	0.76	1	28586	Si
SLU 32	-22	-33700	0	1	0	-8.58	2.03	0	10.61	0.61	1	23043	No
SLU 36	408	-5843	0	1	0	-8.41	2.03	0	10.44	0.62	1	23195	Si
SLU 36	193	-12112	0	1	0	-8.41	2.03	0	5.22	0.76	1	28709	Si
SLU 36	-22	-33918	0	1	0	-8.41	2.03	0	10.44	0.62	1	23195	No
SLU 25	408	-5332	0	1	0	-8.18	2.03	0	10.21	0.62	1	23402	Si
SLU 25	193	-11786	0	1	0	-8.18	2.03	0	5.1	0.77	1	28877	Si
SLU 25	-22	-33269	0	1	0	-8.18	2.03	0	10.21	0.62	1	23402	No
SLU 23	408	-5313	0	1	0	-8.21	2.03	0	10.24	0.62	1	23375	Si
SLU 23	193	-11717	0	1	0	-8.21	2.03	0	5.12	0.77	1	28855	Si
SLU 23	-22	-33072	0	1	0	-8.21	2.03	0	10.24	0.62	1	23375	No
SLU 27	408	-5428	0	1	0	-8.03	2.03	0	10.06	0.63	1	23531	Si
SLU 27	193	-11820	0	1	0	-8.03	2.03	0	5.03	0.77	1	28982	Si
SLU 27	-22	-33290	0	1	0	-8.03	2.03	0	10.06	0.63	1	23531	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 13	-22	-46211	-992955	3.04	0	0	No
SLV 13	408	-2163	349535	0	0	0	No
SLD 16	-22	-38150	-561225	2.51	1457178	2.596	Si
SLD 16	408	-1046	469267	0	0	0	No
SLV 6	-22	-4823	700946	0	0	0	No
SLV 6	408	-13710	-350219	0.9	854644	2.44	Si
SLV 12	-22	-46112	-757139	3.03	0	0	No
SLV 12	408	5504	933402	0	0	0	No
SLV 4	-22	-4724	936761	0	0	0	No
SLV 4	408	-6043	233648	0.4	487088	2.085	Si
SLV 14	-22	-46211	-992955	3.04	0	0	No
SLV 14	408	-2163	349535	0	0	0	No
SLV 11	-22	-46112	-757139	3.03	0	0	No
SLV 11	408	5504	933402	0	0	0	No
SLV 7	-22	-31284	-105632	2.06	640379	6.062	Si
SLV 7	408	2849	795520	0	0	0	No
SLV 8	-22	-31284	-105632	2.06	640379	6.062	Si
SLV 8	408	2849	795520	0	0	0	No
SLV 5	-22	-4823	700946	0	0	0	No
SLV 5	408	-13710	-350219	0.9	854644	2.44	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 19	-22	-31592	-5136	-38553	2.08	2.08	190	0.33	4963		0.97	No
SLU 19	408	-4793	-1953	372241	0.32	1.15	52	0.2	844		0.43	No
SLU 20	-22	-33645	-5743	-52143	2.21	2.21	190	0.34	5237		0.91	No
SLU 20	408	-5263	-1729	390178	0.35	1.05	62.59	0.19	949		0.55	No
SLU 26	-22	-31853	-5056	-23170	2.1	2.1	190	0.33	4998		0.99	No
SLU 26	408	-5098	-1762	364298	0.34	0.9	70.64	0.17	959		0.54	No
SLU 23	-22	-33072	-5462	-36746	2.18	2.18	190	0.34	5160		0.94	No
SLU 23	408	-5313	-1675	378504	0.35	0.93	71.27	0.17	990		0.59	No
SLU 24	-22	-31831	-5105	-28829	2.09	2.09	190	0.33	4995		0.98	No
SLU 24	408	-5003	-1822	367445	0.33	0.97	64.67	0.18	923		0.51	No
SLU 22	-22	-31635	-5037	-27233	2.08	2.08	190	0.33	4969		0.99	No
SLU 22	408	-4984	-1832	365948	0.33	0.96	64.71	0.18	920		0.5	No
SLU 28	-22	-32219	-5157	-25822	2.12	2.12	190	0.33	5047		0.98	No
SLU 28	408	-5208	-1671	368742	0.34	0.9	72.59	0.17	981		0.59	No
SLU 25	-22	-33269	-5531	-38342	2.19	2.19	190	0.34	5186		0.94	No
SLU 25	408	-5332	-1666	380000	0.35	0.94	71.2	0.17	992		0.6	No
SLU 1	-22	-24467	-3956	-26298	1.61	1.61	190	0.26	4013		1.01	Si
SLU 1	408	-3796	-1428	285417	0.25	0.8	59.45	0.16	741		0.52	No
SLU 21	-22	-33667	-5694	-46483	2.21	2.21	190	0.34	5240		0.92	No
SLU 21	408	-5358	-1669	387032	0.35	0.98	68.32	0.18	984		0.59	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 4	-22	-4724	14621	936761	0.31	0	0	0.06	0		0	No
SLV 4	408	-6043	-10249	233648	0.4	0.45	169.01	0.14	1842		0.18	No
SLV 7	-22	-31284	-1826	-105632	2.06	2.06	190	0.4	6152		3.37	Si
SLV 7	408	2849	-15183	795520	-0.19	0	0	0.06	0		0	No
SLV 11	-22	-46112	-13768	-757139	3.03	3.03	190	0.57	8624		0.63	No
SLV 11	408	5504	-12010	933402	-0.36	0	0	0.06	0		0	No
SLV 5	-22	-4823	5357	700946	0.32	0	0	0.06	0		0	No
SLV 5	408	-13710	9494	-350219	0.9	0.9	190	0.21	3223		0.34	No
SLV 6	-22	-4823	5357	700946	0.32	0	0	0.06	0		0	No
SLV 6	408	-13710	9494	-350219	0.9	0.9	190	0.21	3223		0.34	No
SLV 14	-22	-46211	-23032	-992955	3.04	3.04	190	0.57	8640		0.38	No
SLV 14	408	-2163	7733	349535	0.14	0	0	0.06	0		0	No
SLV 8	-22	-31284	-1826	-105632	2.06	2.06	190	0.4	6152		3.37	Si
SLV 8	408	2849	-15183	795520	-0.19	0	0	0.06	0		0	No
SLD 16	-22	-38150	-13473	-561225	2.51	2.51	190	0.77	11674		0.87	No
SLD 16	408	-1046	-556	469267	0.07	0	0	0.1	0		0	No
SLV 13	-22	-46211	-23032	-992955	3.04	3.04	190	0.57	8640		0.38	No
SLV 13	408	-2163	7733	349535	0.14	0	0	0.06	0		0	No
SLV 12	-22	-46112	-13768	-757139	3.03	3.03	190	0.57	8624		0.63	No
SLV 12	408	5504	-12010	933402	-0.36	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.15 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 5	3	0.46	13.84	-6900	90815	228254	2.51	Si
SLV 6	3	0.46	13.84	-6900	90815	228254	2.51	Si
SLV 2	3	0.46	14.16	-7060	90815	232395	2.56	Si
SLV 1	3	0.46	14.16	-7060	90815	232395	2.56	Si
SLV 10	3	0.46	15.6	-7774	90815	250328	2.76	Si
SLV 9	3	0.46	15.6	-7774	90815	250328	2.76	Si
SLV 3	3	0.46	16.19	-8069	90815	257460	2.83	Si
SLV 4	3	0.46	16.19	-8069	90815	257460	2.83	Si
SLV 13	3	0.46	20	-9970	90815	299098	3.29	Si
SLV 14	3	0.46	20	-9970	90815	299098	3.29	Si

Maschio 44

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3013.7	1244.8	3013.7	1194.6	L3	L4	50.2	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 36	408	-850	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 36	193	-3505	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 36	-22	-3286	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 34	408	-800	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 34	193	-3458	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 34	-22	-3259	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 32	408	-793	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 32	193	-3442	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 32	-22	-3247	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 30	408	-756	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 30	193	-3437	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 30	-22	-3249	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 35	408	-819	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 35	193	-3405	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 35	-22	-3217	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 29	408	-706	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 29	193	-3390	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 29	-22	-3221	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 33	408	-769	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 33	193	-3358	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 33	-22	-3190	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 31	408	-762	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 31	193	-3342	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 31	-22	-3178	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 27	408	-713	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 27	193	-3341	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 27	-22	-3182	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 25	408	-663	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 25	193	-3293	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si
SLU 25	-22	-3154	0	1	0	0	2.03	0	2.03	0.8	1	5482	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 19	10	-4034	-6	-17057	1.46	1.46	50.17	0.24	674		114.24	Si
SLU 19	370	-1465	-1	-18539	0.53	0.71	37.3	0.14	297		221.69	Si
SLU 25	10	-4241	-6	-18587	1.54	1.54	50.17	0.25	702		117.75	Si
SLU 25	370	-1654	-1	-20612	0.6	0.79	37.87	0.16	323		358.78	Si
SLU 26	10	-4172	-6	-18665	1.51	1.51	50.17	0.25	693		118	Si
SLU 26	370	-1635	-1	-19426	0.59	0.75	39.62	0.15	326		314.83	Si
SLU 20	10	-4189	-6	-17663	1.52	1.52	50.17	0.25	695		115.69	Si

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 20	370	-1567	-1	-20540	0.57	0.79	35.93	0.16	307		301.39	Si
SLU 22	10	-4114	-6	-18062	1.49	1.49	50.17	0.25	685		116.72	Si
SLU 22	370	-1570	-1	-18970	0.57	0.73	39.02	0.15	315		273.14	Si
SLU 24	10	-4132	-6	-18162	1.5	1.5	50.17	0.25	687		116.75	Si
SLU 24	370	-1583	-1	-19211	0.57	0.74	38.85	0.15	317		281.07	Si
SLU 27	10	-4281	-6	-19089	1.55	1.55	50.17	0.26	707		118.98	Si
SLU 27	370	-1706	-1	-20827	0.62	0.8	38.64	0.16	332		410.74	Si
SLU 21	10	-4229	-6	-18166	1.53	1.53	50.17	0.25	700		116.91	Si
SLU 21	370	-1619	-1	-20756	0.59	0.8	36.81	0.16	316		341.46	Si
SLU 28	10	-4187	-6	-18681	1.52	1.52	50.17	0.25	695		119.59	Si
SLU 28	370	-1631	-1	-19954	0.59	0.77	38.56	0.15	322		361.02	Si
SLU 23	10	-4223	-6	-18486	1.53	1.53	50.17	0.25	699		117.72	Si
SLU 23	370	-1641	-1	-20371	0.59	0.78	38.03	0.15	322		346.52	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 10	3	0.46	0	-7568	16488	0	0	No
SLV 16	3	0.46	0	859	16488	0	0	No
SLV 6	3	0.46	0	-8593	16488	0	0	No
SLV 15	3	0.46	0	859	16488	0	0	No
SLV 7	3	0.46	0	2531	16488	0	0	No
SLV 12	3	0.46	0	3556	16488	0	0	No
SLV 5	3	0.46	0	-8593	16488	0	0	No
SLV 8	3	0.46	0	2531	16488	0	0	No
SLV 9	3	0.46	0	-7568	16488	0	0	No
SLV 11	3	0.46	0	3556	16488	0	0	No

Maschio 45

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3013.7	1581.6	3013.7	1394.8	L3	L4	186.8	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	408	1674	0	1	0	0	2.03	0	0	0	0	0	No
SLU 1	193	-8937	0	1	0	0	2.03	0	2.03	0.8	1	20407	Si
SLU 1	-22	-11726	0	1	0	0	2.03	0	2.03	0.8	1	20407	Si
SLU 21	408	2589	0	1	0	0	2.03	0	0	0	0	0	No
SLU 21	193	-12256	0	1	0	0	2.03	0	2.03	0.8	1	20407	Si
SLU 21	-22	-15854	0	1	0	0	2.03	0	2.03	0.8	1	20407	Si
SLU 22	408	2101	0	1	0	0	2.03	0	0	0	0	0	No
SLU 22	193	-11657	0	1	0	0	2.03	0	2.03	0.8	1	20407	Si
SLU 22	-22	-15272	0	1	0	0	2.03	0	2.03	0.8	1	20407	Si
SLU 23	408	2439	0	1	0	0	2.03	0	0	0	0	0	No
SLU 23	193	-12160	0	1	0	0	2.03	0	2.03	0.8	1	20407	Si
SLU 23	-22	-15749	0	1	0	0	2.03	0	2.03	0.8	1	20407	Si
SLU 24	408	2102	0	1	0	0	2.03	0	0	0	0	0	No
SLU 24	193	-11781	0	1	0	0	2.03	0	2.03	0.8	1	20407	Si
SLU 24	-22	-15371	0	1	0	0	2.03	0	2.03	0.8	1	20407	Si
SLU 25	408	2439	0	1	0	0	2.03	0	0	0	0	0	No
SLU 25	193	-12284	0	1	0	0	2.03	0	2.03	0.8	1	20407	Si
SLU 25	-22	-15847	0	1	0	0	2.03	0	2.03	0.8	1	20407	Si
SLU 26	408	2096	0	1	0	0	2.03	0	0	0	0	0	No
SLU 26	193	-11900	0	1	0	0	2.03	0	2.03	0.8	1	20407	Si
SLU 26	-22	-15469	0	1	0	0	2.03	0	2.03	0.8	1	20407	Si
SLU 20	408	2595	0	1	0	0	2.03	0	0	0	0	0	No
SLU 20	193	-12137	0	1	0	0	2.03	0	2.03	0.8	1	20407	Si
SLU 20	-22	-15756	0	1	0	0	2.03	0	2.03	0.8	1	20407	Si
SLU 27	408	2433	0	1	0	0	2.03	0	0	0	0	0	No
SLU 27	193	-12403	0	1	0	0	2.03	0	2.03	0.8	1	20407	Si
SLU 27	-22	-15946	0	1	0	0	2.03	0	2.03	0.8	1	20407	Si
SLU 29	408	2777	0	1	0	0	2.03	0	0	0	0	0	No
SLU 29	193	-12719	0	1	0	0	2.03	0	2.03	0.8	1	20407	Si
SLU 29	-22	-16248	0	1	0	0	2.03	0	2.03	0.8	1	20407	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 9	10	-33043	3544627	0	0	0	No
SLV 9	250	-28808	-3371286	0	0	0	No
SLV 5	10	-32667	4239519	0	0	0	No
SLV 5	250	-27992	-3749400	0	0	0	No
SLV 11	10	6752	-3946681	0	0	0	No
SLV 11	250	11326	2963181	0	0	0	No
SLV 10	10	-33043	3544627	0	0	0	No
SLV 10	250	-28808	-3371286	0	0	0	No
SLV 8	10	7127	-3251789	0	0	0	No
SLV 8	250	12142	2585067	0	0	0	No
SLV 2	10	-18302	2428269	0	0	0	No
SLV 2	250	-12993	-1973468	0	0	0	No
SLV 12	10	6752	-3946681	0	0	0	No
SLV 12	250	11326	2963181	0	0	0	No
SLD 1	10	-15322	1156084	1.49	922450	0.798	No
SLD 1	250	-10395	-1092391	0	0	0	No
SLV 7	10	7127	-3251789	0	0	0	No
SLV 7	250	12142	2585067	0	0	0	No
SLV 6	10	-32667	4239519	0	0	0	No

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 6	250	-27992	-3749400	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 14	10	-13829	2913	230884	1.35	1.35	186.78	0.23	2351		0.81	No
SLU 14	250	-9204	2913	-468909	0.9	1.31	127.32	0.22	1573		0.54	No
SLU 18	10	-14072	3042	245799	1.37	1.37	186.78	0.23	2384		0.78	No
SLU 18	250	-9447	3042	-485050	0.92	1.36	126.13	0.23	1602		0.53	No
SLU 36	10	-17623	3431	252940	1.72	1.72	186.78	0.28	2857		0.83	No
SLU 36	250	-11611	3431	-571279	1.13	1.59	132.56	0.26	1908		0.56	No
SLU 30	10	-17476	3460	259029	1.7	1.7	186.78	0.28	2837		0.82	No
SLU 30	250	-11464	3460	-572174	1.12	1.6	130.43	0.26	1883		0.54	No
SLU 11	10	-13805	3012	244964	1.34	1.34	186.78	0.23	2348		0.78	No
SLU 11	250	-9180	3012	-478538	0.89	1.35	123.78	0.23	1560		0.52	No
SLU 34	10	-17504	3371	246016	1.7	1.7	186.78	0.28	2841		0.84	No
SLU 34	250	-11492	3371	-563873	1.12	1.57	132.96	0.26	1893		0.56	No
SLU 16	10	-13953	2983	238875	1.36	1.36	186.78	0.23	2368		0.79	No
SLU 16	250	-9328	2983	-477643	0.91	1.34	126.54	0.23	1587		0.53	No
SLU 32	10	-17380	3301	238025	1.69	1.69	186.78	0.27	2825		0.86	No
SLU 32	250	-11368	3301	-555138	1.11	1.55	133.66	0.26	1879		0.57	No
SLU 29	10	-17356	3400	252105	1.69	1.69	186.78	0.27	2821		0.83	No
SLU 29	250	-11344	3400	-564768	1.1	1.58	130.81	0.26	1868		0.55	No
SLU 12	10	-13925	3072	251888	1.36	1.36	186.78	0.23	2364		0.77	No
SLU 12	250	-9300	3072	-485945	0.91	1.37	123.4	0.23	1575		0.51	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 6	10	-32667	32440	4239519	3.18	0	0	0.06	0		0	No
SLV 6	250	-27992	33209	-3749400	2.72	0	0	0.06	0		0	No
SLV 11	10	6752	-27949	-3946681	-0.66	0	0	0.06	0		0	No
SLV 11	250	11326	-28719	2963181	-1.1	0	0	0.06	0		0	No
SLV 5	10	-32667	32440	4239519	3.18	0	0	0.06	0		0	No
SLV 5	250	-27992	33209	-3749400	2.72	0	0	0.06	0		0	No
SLV 8	10	7127	-25238	-3251789	-0.69	0	0	0.06	0		0	No
SLV 8	250	12142	-24842	2585067	-1.18	0	0	0.06	0		0	No
SLV 9	10	-33043	29729	3544627	3.22	0	0	0.06	0		0	No
SLV 9	250	-28808	29333	-3371286	2.8	0	0	0.06	0		0	No
SLV 2	10	-18302	15416	2428269	1.78	0	0	0.06	0		0	No
SLV 2	250	-12993	17414	-1973468	1.26	0	0	0.06	0		0	No
SLV 7	10	7127	-25238	-3251789	-0.69	0	0	0.06	0		0	No
SLV 7	250	12142	-24842	2585067	-1.18	0	0	0.06	0		0	No
SLV 10	10	-33043	29729	3544627	3.22	0	0	0.06	0		0	No
SLV 10	250	-28808	29333	-3371286	2.8	0	0	0.06	0		0	No
SLD 1	10	-15322	8071	1156084	1.49	5.18	53.81	1.48	4378		0.54	No
SLD 1	250	-10395	8958	-1092391	1.01	0	0	0.1	0		0	No
SLV 12	10	6752	-27949	-3946681	-0.66	0	0	0.06	0		0	No
SLV 12	250	11326	-28719	2963181	-1.1	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 6	3	0.46	0	-28823	61376	0	0	No
SLV 8	3	0.46	0	10688	61376	0	0	No
SLV 9	3	0.46	0	-29469	61376	0	0	No
SLV 10	3	0.46	0	-29469	61376	0	0	No
SLV 11	3	0.46	0	10042	61376	0	0	No
SLV 12	3	0.46	0	10042	61376	0	0	No
SLV 7	3	0.46	0	10688	61376	0	0	No
SLV 5	3	0.46	0	-28823	61376	0	0	No
SLV 4	3	0.46	4.87	-2387	61376	59817	0.97	No
SLV 3	3	0.46	4.87	-2387	61376	59817	0.97	No

Maschio 46

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3013.7	1867.4	3013.7	1711.6	L3	L4	155.8	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 35	408	-6070	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 35	193	-9280	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 35	-22	-8789	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 36	408	-6660	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 36	193	-9273	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 36	-22	-8658	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 33	408	-5933	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 33	193	-9207	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 33	-22	-8762	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 34	408	-6524	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 34	193	-9199	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 34	-22	-8631	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 26	408	-5411	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 26	193	-9127	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 26	-22	-8812	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 31	408	-5796	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 31	193	-9121	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 31	-22	-8726	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 27	408	-6002	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 27	193	-9119	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 27	-22	-8680	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 32	408	-6387	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 32	193	-9113	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 32	-22	-8595	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 24	408	-5275	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 24	193	-9054	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 24	-22	-8784	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 25	408	-5865	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 25	193	-9046	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si
SLU 25	-22	-8653	0	1	0	0	2.03	0	2.03	0.8	1	17027	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 14	10	-15219	399708	1.78	383263	0.959	No
SLV 14	250	-9015	-707031	0	0	0	No
SLV 8	10	-8654	-2651125	0	0	0	No
SLV 8	250	-5713	3268884	0	0	0	No
SLV 13	10	-15219	399708	1.78	383263	0.959	No
SLV 13	250	-9015	-707031	0	0	0	No
SLD 1	10	-7679	850780	0	0	0	No
SLD 1	250	-5012	-1047313	0	0	0	No
SLV 11	10	-11804	-3048022	0	0	0	No
SLV 11	250	-7396	3669635	0	0	0	No
SLV 10	10	-11404	2968557	0	0	0	No
SLV 10	250	-6865	-3782994	0	0	0	No
SLV 7	10	-8654	-2651125	0	0	0	No
SLV 7	250	-5713	3268884	0	0	0	No
SLV 12	10	-11804	-3048022	0	0	0	No
SLV 12	250	-7396	3669635	0	0	0	No
SLV 6	10	-8253	3365454	0	0	0	No
SLV 6	250	-5181	-4183745	0	0	0	No
SLV 9	10	-11404	2968557	0	0	0	No
SLV 9	250	-6865	-3782994	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 14	10	-10282	2137	198108	1.2	1.2	155.84	0.21	1794		0.84	No
SLU 14	250	-6542	2137	-314836	0.76	1.33	89.38	0.23	1115		0.52	No
SLU 16	10	-10368	2193	203436	1.21	1.21	155.84	0.21	1806		0.82	No
SLU 16	250	-6628	2193	-322909	0.77	1.38	87.6	0.23	1122		0.51	No
SLU 11	10	-10132	2218	206730	1.18	1.18	155.84	0.21	1774		0.8	No
SLU 11	250	-6392	2218	-325662	0.75	1.44	80.91	0.24	1072		0.48	No
SLU 29	10	-13076	2561	237029	1.53	1.53	155.84	0.25	2167		0.85	No
SLU 29	250	-8214	2561	-377737	0.96	1.56	95.8	0.26	1355		0.53	No
SLU 3	10	-10052	1972	182606	1.17	1.17	155.84	0.21	1763		0.89	No
SLU 3	250	-6312	1972	-290705	0.74	1.2	95.59	0.21	1101		0.56	No
SLU 36	10	-13385	2567	236607	1.56	1.56	155.84	0.26	2208		0.86	No
SLU 36	250	-8523	2567	-379647	0.99	1.55	100.14	0.26	1408		0.55	No
SLU 34	10	-13312	2536	233735	1.55	1.55	155.84	0.26	2198		0.87	No
SLU 34	250	-8450	2536	-374983	0.99	1.53	100.63	0.25	1400		0.55	No
SLU 12	10	-10205	2249	209602	1.19	1.19	155.84	0.21	1784		0.79	No
SLU 12	250	-6465	2249	-330326	0.75	1.46	80.48	0.24	1081		0.48	No
SLU 18	10	-10441	2224	206308	1.22	1.22	155.84	0.21	1815		0.82	No
SLU 18	250	-6701	2224	-327572	0.78	1.4	87.11	0.24	1130		0.51	No
SLU 30	10	-13149	2592	239901	1.53	1.53	155.84	0.25	2177		0.84	No
SLU 30	250	-8287	2592	-382401	0.97	1.58	95.33	0.26	1364		0.53	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 7	10	-8654	-24721	-2651125	1.01	0	0	0.06	0		0	No
SLV 7	250	-5713	-24996	3268884	0.67	0	0	0.06	0		0	No
SLV 9	10	-11404	28185	2968557	1.33	0	0	0.06	0		0	No
SLV 9	250	-6865	28460	-3782994	0.8	0	0	0.06	0		0	No
SLV 6	10	-8253	30734	3365454	0.96	0	0	0.06	0		0	No
SLV 6	250	-5181	31253	-4183745	0.6	0	0	0.06	0		0	No
SLV 13	10	-15219	5803	399708	1.78	1.79	154.97	0.36	3063		0.53	No
SLV 13	250	-9015	5514	-707031	1.05	0	0	0.06	0		0	No
SLV 10	10	-11404	28185	2968557	1.33	0	0	0.06	0		0	No
SLV 10	250	-6865	28460	-3782994	0.8	0	0	0.06	0		0	No
SLV 8	10	-8654	-24721	-2651125	1.01	0	0	0.06	0		0	No
SLV 8	250	-5713	-24996	3268884	0.67	0	0	0.06	0		0	No
SLD 1	10	-7679	7292	850780	0.9	0	0	0.1	0		0	No
SLD 1	250	-5012	7526	-1047313	0.58	0	0	0.1	0		0	No
SLV 11	10	-11804	-27270	-3048022	1.38	0	0	0.06	0		0	No
SLV 11	250	-7396	-27789	3669635	0.86	0	0	0.06	0		0	No
SLV 12	10	-11804	-27270	-3048022	1.38	0	0	0.06	0		0	No
SLV 12	250	-7396	-27789	3669635	0.86	0	0	0.06	0		0	No
SLV 14	10	-15219	5803	399708	1.78	1.79	154.97	0.36	3063		0.53	No
SLV 14	250	-9015	5514	-707031	1.05	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 2	3	0.46	9.12	-3728	51211	85530	1.67	Si
SLV 1	3	0.46	9.12	-3728	51211	85530	1.67	Si
SLV 3	3	0.46	9.36	-3825	51211	87299	1.7	Si
SLV 4	3	0.46	9.36	-3825	51211	87299	1.7	Si
SLV 5	3	0.46	14.13	-5777	51211	118055	2.31	Si
SLV 6	3	0.46	14.13	-5777	51211	118055	2.31	Si
SLV 8	3	0.46	14.92	-6100	51211	122246	2.39	Si
SLV 7	3	0.46	14.92	-6100	51211	122246	2.39	Si
SLV 9	3	0.46	18.66	-7630	51211	138630	2.71	Si

Maschio 47

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3013.7	2134.7	3013.7	1997.4	L3	L4	137.2	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 36	408	-5256	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 36	193	-8025	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 36	-22	-6716	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 35	408	-4750	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 35	193	-8017	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 35	-22	-6827	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 34	408	-5173	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 34	193	-7961	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 34	-22	-6692	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 33	408	-4667	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 33	193	-7953	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 33	-22	-6803	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 32	408	-5050	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 32	193	-7882	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 32	-22	-6667	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 31	408	-4545	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 31	193	-7874	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 31	-22	-6777	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 27	408	-4752	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 27	193	-7869	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 27	-22	-6728	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 26	408	-4246	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 26	193	-7861	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 26	-22	-6838	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 30	408	-5184	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 30	193	-7821	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 30	-22	-6595	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 25	408	-4668	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 25	193	-7804	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si
SLU 25	-22	-6704	0	1	0	0	2.03	0	2.03	0.8	1	14996	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 10	10	-10275	2411038	0	0	0	No
SLV 10	250	-7822	-3156247	0	0	0	No
SLD 1	10	-8499	558501	1.13	426795	0.764	No
SLD 1	250	-4562	-590174	0	0	0	No
SLV 7	10	-6728	-2546070	0	0	0	No
SLV 7	250	-2541	3223189	0	0	0	No
SLV 12	10	-7024	-2915513	0	0	0	No
SLV 12	250	-3748	3472204	0	0	0	No
SLV 14	10	-9482	115728	1.26	339131	2.93	Si
SLV 14	250	-7804	-545772	0	0	0	No
SLV 8	10	-6728	-2546070	0	0	0	No
SLV 8	250	-2541	3223189	0	0	0	No
SLV 13	10	-9482	115728	1.26	339131	2.93	Si
SLV 13	250	-7804	-545772	0	0	0	No
SLV 6	10	-9979	2780482	0	0	0	No
SLV 6	250	-6616	-3405262	0	0	0	No
SLV 11	10	-7024	-2915513	0	0	0	No
SLV 11	250	-3748	3472204	0	0	0	No
SLV 9	10	-10275	2411038	0	0	0	No
SLV 9	250	-7822	-3156247	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 26	10	-11206	-551	-86903	1.48	1.48	137.25	0.25	1867		3.39	Si
SLU 26	250	-6891	-551	45483	0.91	0.91	137.25	0.17	1292		2.35	Si
SLU 19	10	-10935	-553	-85956	1.45	1.45	137.25	0.24	1831		3.31	Si
SLU 19	250	-6619	-553	46969	0.88	0.88	137.25	0.17	1255		2.27	Si
SLU 24	10	-11142	-546	-86149	1.48	1.48	137.25	0.25	1858		3.4	Si
SLU 24	250	-6826	-546	45133	0.9	0.9	137.25	0.17	1283		2.35	Si
SLU 23	10	-11071	-550	-87922	1.47	1.47	137.25	0.24	1849		3.36	Si
SLU 23	250	-6756	-550	44371	0.89	0.89	137.25	0.17	1274		2.31	Si
SLU 22	10	-11063	-562	-87465	1.47	1.47	137.25	0.24	1848		3.29	Si
SLU 22	250	-6748	-562	47669	0.89	0.89	137.25	0.17	1272		2.26	Si
SLU 31	10	-11220	-565	-89530	1.49	1.49	137.25	0.25	1869		3.31	Si
SLU 31	250	-6904	-565	46258	0.91	0.91	137.25	0.17	1293		2.29	Si
SLU 28	10	-11091	-556	-88021	1.47	1.47	137.25	0.25	1852		3.33	Si
SLU 28	250	-6775	-556	45559	0.9	0.9	137.25	0.17	1276		2.3	Si
SLU 20	10	-10946	-536	-86609	1.45	1.45	137.25	0.24	1832		3.42	Si
SLU 20	250	-6630	-536	42258	0.88	0.88	137.25	0.17	1257		2.34	Si
SLU 32	10	-11228	-553	-89987	1.49	1.49	137.25	0.25	1870		3.38	Si
SLU 32	250	-6912	-553	42960	0.92	0.92	137.25	0.17	1294		2.34	Si
SLU 21	10	-11010	-541	-87364	1.46	1.46	137.25	0.24	1841		3.4	Si
SLU 21	250	-6695	-541	42608	0.89	0.89	137.25	0.17	1265		2.34	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 1.5 (SLD), γM = 2.4 (SLV)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLD 1	10	-8499	4109	558501	1.13	17.69	8.73	3.46	1661		0.4	No
SLD 1	250	-4562	4076	-590174	0.6	0	0	0.1	0		0	No
SLV 12	10	-7024	-25748	-2915513	0.93	0	0	0.06	0		0	No
SLV 12	250	-3748	-26140	3472204	0.5	0	0	0.06	0		0	No
SLV 14	10	-9482	4017	115728	1.26	1.26	137.25	0.27	2046		0.51	No
SLV 14	250	-7804	4367	-545772	1.03	0	0	0.06	0		0	No
SLV 7	10	-6728	-24008	-2546070	0.89	0	0	0.06	0		0	No
SLV 7	250	-2541	-24528	3223189	0.34	0	0	0.06	0		0	No
SLV 6	10	-9979	24907	2780482	1.32	0	0	0.06	0		0	No
SLV 6	250	-6616	25300	-3405262	0.88	0	0	0.06	0		0	No
SLV 8	10	-6728	-24008	-2546070	0.89	0	0	0.06	0		0	No
SLV 8	250	-2541	-24528	3223189	0.34	0	0	0.06	0		0	No
SLV 11	10	-7024	-25748	-2915513	0.93	0	0	0.06	0		0	No
SLV 11	250	-3748	-26140	3472204	0.5	0	0	0.06	0		0	No
SLV 10	10	-10275	23168	2411038	1.36	0	0	0.06	0		0	No
SLV 10	250	-7822	23688	-3156247	1.04	0	0	0.06	0		0	No
SLV 9	10	-10275	23168	2411038	1.36	0	0	0.06	0		0	No
SLV 9	250	-7822	23688	-3156247	1.04	0	0	0.06	0		0	No
SLV 13	10	-9482	4017	115728	1.26	1.26	137.25	0.27	2046		0.51	No
SLV 13	250	-7804	4367	-545772	1.03	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 8	3	0.46	9.65	-3473	45100	78754	1.75	Si
SLV 7	3	0.46	9.65	-3473	45100	78754	1.75	Si
SLV 4	3	0.46	10.09	-3633	45100	81570	1.81	Si
SLV 3	3	0.46	10.09	-3633	45100	81570	1.81	Si
SLV 11	3	0.46	12.5	-4501	45100	95641	2.12	Si
SLV 12	3	0.46	12.5	-4501	45100	95641	2.12	Si
SLV 1	3	0.46	13.32	-4797	45100	99968	2.22	Si
SLV 2	3	0.46	13.32	-4797	45100	99968	2.22	Si
SLV 15	3	0.46	19.61	-7059	45100	124927	2.77	Si
SLV 16	3	0.46	19.61	-7059	45100	124927	2.77	Si

Maschio 48

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3013.7	2420.8	3013.7	2274.7	L3	L4	146.1	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	408	5875	0	1	0	0	2.03	0	0	0	0	0	No
SLU 1	193	-8664	0	1	0	0	2.03	0	2.03	0.8	1	15965	Si
SLU 1	-22	-10040	0	1	0	0	2.03	0	2.03	0.8	1	15965	Si
SLU 21	408	8318	0	1	0	0	2.03	0	0	0	0	0	No
SLU 21	193	-11760	0	1	0	0	2.03	0	2.03	0.8	1	15965	Si
SLU 21	-22	-13606	0	1	0	0	2.03	0	2.03	0.8	1	15965	Si
SLU 22	408	7546	0	1	0	0	2.03	0	0	0	0	0	No
SLU 22	193	-11286	0	1	0	0	2.03	0	2.03	0.8	1	15965	Si
SLU 22	-22	-13045	0	1	0	0	2.03	0	2.03	0.8	1	15965	Si
SLU 23	408	8091	0	1	0	0	2.03	0	0	0	0	0	No
SLU 23	193	-11675	0	1	0	0	2.03	0	2.03	0.8	1	15965	Si
SLU 23	-22	-13482	0	1	0	0	2.03	0	2.03	0.8	1	15965	Si
SLU 24	408	7561	0	1	0	0	2.03	0	0	0	0	0	No
SLU 24	193	-11389	0	1	0	0	2.03	0	2.03	0.8	1	15965	Si
SLU 24	-22	-13124	0	1	0	0	2.03	0	2.03	0.8	1	15965	Si
SLU 25	408	8106	0	1	0	0	2.03	0	0	0	0	0	No
SLU 25	193	-11778	0	1	0	0	2.03	0	2.03	0.8	1	15965	Si
SLU 25	-22	-13561	0	1	0	0	2.03	0	2.03	0.8	1	15965	Si
SLU 26	408	7568	0	1	0	0	2.03	0	0	0	0	0	No
SLU 26	193	-11471	0	1	0	0	2.03	0	2.03	0.8	1	15965	Si
SLU 26	-22	-13187	0	1	0	0	2.03	0	2.03	0.8	1	15965	Si
SLU 20	408	8312	0	1	0	0	2.03	0	0	0	0	0	No
SLU 20	193	-11678	0	1	0	0	2.03	0	2.03	0.8	1	15965	Si
SLU 20	-22	-13543	0	1	0	0	2.03	0	2.03	0.8	1	15965	Si
SLU 27	408	8113	0	1	0	0	2.03	0	0	0	0	0	No
SLU 27	193	-11860	0	1	0	0	2.03	0	2.03	0.8	1	15965	Si
SLU 27	-22	-13624	0	1	0	0	2.03	0	2.03	0.8	1	15965	Si
SLU 29	408	8617	0	1	0	0	2.03	0	0	0	0	0	No
SLU 29	193	-12090	0	1	0	0	2.03	0	2.03	0.8	1	15965	Si
SLU 29	-22	-13932	0	1	0	0	2.03	0	2.03	0.8	1	15965	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 6	10	-13915	3398594	0	0	0	No
SLV 6	250	-10655	-4124145	0	0	0	No
SLV 9	10	-16872	3175108	0	0	0	No
SLV 9	250	-12725	-3830289	0	0	0	No
SLV 4	10	-5744	-400190	0.71	305331	0.763	No
SLV 4	250	-3677	497986	0	0	0	No
SLV 8	10	-6652	-2846818	0	0	0	No
SLV 8	250	-3635	3514258	0	0	0	No
SLV 7	10	-6652	-2846818	0	0	0	No

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 7	250	-3635	3514258	0	0	0	No
SLV 11	10	-9609	-3070303	0	0	0	No
SLV 11	250	-5705	3808113	0	0	0	No
SLV 12	10	-9609	-3070303	0	0	0	No
SLV 12	250	-5705	3808113	0	0	0	No
SLV 5	10	-13915	3398594	0	0	0	No
SLV 5	250	-10655	-4124145	0	0	0	No
SLD 1	10	-10063	743534	0	0	0	No
SLD 1	250	-7119	-881777	0	0	0	No
SLV 10	10	-16872	3175108	0	0	0	No
SLV 10	250	-12725	-3830289	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 21	10	-15345	1810	220113	1.91	1.91	146.12	0.3	2443		1.35	Si
SLU 21	250	-10688	1810	-210991	1.33	1.33	146.12	0.23	1822		1.01	Si
SLU 12	10	-12473	1554	189952	1.55	1.55	146.12	0.26	2060		1.33	Si
SLU 12	250	-8891	1554	-180524	1.11	1.11	146.12	0.2	1582		1.02	Si
SLU 34	10	-15776	1862	225720	1.96	1.96	146.12	0.31	2500		1.34	Si
SLU 34	250	-11119	1862	-218042	1.38	1.38	146.12	0.23	1879		1.01	Si
SLU 36	10	-15858	1866	226036	1.97	1.97	146.12	0.31	2511		1.35	Si
SLU 36	250	-11201	1866	-218619	1.39	1.39	146.12	0.24	1890		1.01	Si
SLU 30	10	-15758	1896	230990	1.96	1.96	146.12	0.31	2498		1.32	Si
SLU 30	250	-11101	1896	-220753	1.38	1.38	146.12	0.23	1877		0.99	No
SLU 20	10	-15263	1806	219797	1.9	1.9	146.12	0.3	2432		1.35	Si
SLU 20	250	-10606	1806	-210414	1.32	1.32	146.12	0.23	1811		1	Si
SLU 25	10	-15363	1776	214843	1.91	1.91	146.12	0.3	2445		1.38	Si
SLU 25	250	-10706	1776	-208279	1.33	1.33	146.12	0.23	1824		1.03	Si
SLU 29	10	-15675	1892	230674	1.95	1.95	146.12	0.31	2487		1.31	Si
SLU 29	250	-11019	1892	-220177	1.37	1.37	146.12	0.23	1866		0.99	No
SLU 32	10	-15673	1831	222445	1.95	1.95	146.12	0.31	2487		1.36	Si
SLU 32	250	-11017	1831	-213851	1.37	1.37	146.12	0.23	1866		1.02	Si
SLU 11	10	-12390	1550	189636	1.54	1.54	146.12	0.25	2049		1.32	Si
SLU 11	250	-8809	1550	-179947	1.1	1.1	146.12	0.2	1571		1.01	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 1.5 (SLD), γM = 2.4 (SLV)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLD 1	10	-10063	6281	743534	1.25	0	0	0.1	0		0	No
SLD 1	250	-7119	6886	-881777	0.89	0	0	0.1	0		0	No
SLV 12	10	-9609	-28012	-3070303	1.2	0	0	0.06	0		0	No
SLV 12	250	-5705	-28854	3808113	0.71	0	0	0.06	0		0	No
SLV 5	10	-13915	30717	3398594	1.73	0	0	0.06	0		0	No
SLV 5	250	-10655	31559	-4124145	1.33	0	0	0.06	0		0	No
SLV 7	10	-6652	-26477	-2846818	0.83	0	0	0.06	0		0	No
SLV 7	250	-3635	-26584	3514258	0.45	0	0	0.06	0		0	No
SLV 8	10	-6652	-26477	-2846818	0.83	0	0	0.06	0		0	No
SLV 8	250	-3635	-26584	3514258	0.45	0	0	0.06	0		0	No
SLV 4	10	-5744	-4668	-400190	0.71	10.26	10.18	1.77	992		0.21	No
SLV 4	250	-3677	-3585	497986	0.46	0	0	0.06	0		0	No
SLV 9	10	-16872	29182	3175108	2.1	0	0	0.06	0		0	No
SLV 9	250	-12725	29289	-3830289	1.58	0	0	0.06	0		0	No
SLV 6	10	-13915	30717	3398594	1.73	0	0	0.06	0		0	No
SLV 6	250	-10655	31559	-4124145	1.33	0	0	0.06	0		0	No
SLV 10	10	-16872	29182	3175108	2.1	0	0	0.06	0		0	No
SLV 10	250	-12725	29289	-3830289	1.58	0	0	0.06	0		0	No
SLV 11	10	-9609	-28012	-3070303	1.2	0	0	0.06	0		0	No
SLV 11	250	-5705	-28854	3808113	0.71	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 8	3	0.46	12.51	-4795	48015	101876	2.12	Si
SLV 7	3	0.46	12.51	-4795	48015	101876	2.12	Si
SLV 3	3	0.46	13.85	-5311	48015	109256	2.28	Si
SLV 4	3	0.46	13.85	-5311	48015	109256	2.28	Si
SLV 12	3	0.46	16.69	-6398	48015	122552	2.55	Si
SLV 11	3	0.46	16.69	-6398	48015	122552	2.55	Si
SLV 1	3	0.46	19.19	-7355	48015	131703	2.74	Si
SLV 2	3	0.46	19.19	-7355	48015	131703	2.74	Si
SLV 9	3	0.46	34.47	-13213	48015	135636	2.82	Si
SLV 10	3	0.46	34.47	-13213	48015	135636	2.82	Si

Maschio 49

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3013.7	2707.8	3013.7	2550.8	L3	L4	157.1	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 35	408	-5650	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 35	193	-8989	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 35	-22	-9184	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 33	408	-5551	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 33	193	-8912	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 33	-22	-9145	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 26	408	-5121	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 26	193	-8777	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 26	-22	-9124	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 36	408	-6145	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 36	193	-9021	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 36	-22	-9116	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 31	408	-5414	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 31	193	-8818	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 31	-22	-9099	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 24	408	-5021	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 24	193	-8700	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 24	-22	-9084	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 34	408	-6046	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 34	193	-8944	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 34	-22	-9077	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 27	408	-5616	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 27	193	-8809	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 27	-22	-9055	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 22	408	-4885	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 22	193	-8606	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 22	-22	-9038	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 32	408	-5909	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 32	193	-8849	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si
SLU 32	-22	-9031	0	1	0	0	2.03	0	2.03	0.8	1	17161	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 9	10	-12444	3218789	0	0	0	No
SLV 9	250	-8503	-4224959	0	0	0	No
SLV 8	10	-7192	-2880769	0	0	0	No
SLV 8	250	-3589	3616785	0	0	0	No
SLD 1	10	-9543	934603	0	0	0	No
SLD 1	250	-5576	-1118826	0	0	0	No
SLV 14	10	-11781	403377	1.36	444230	1.101	Si
SLV 14	250	-8285	-925288	0	0	0	No
SLV 7	10	-7192	-2880769	0	0	0	No
SLV 7	250	-3589	3616785	0	0	0	No
SLV 10	10	-12444	3218789	0	0	0	No
SLV 10	250	-8503	-4224959	0	0	0	No
SLV 12	10	-7967	-3329494	0	0	0	No
SLV 12	250	-4579	3982759	0	0	0	No
SLV 13	10	-11781	403377	1.36	444230	1.101	Si
SLV 13	250	-8285	-925288	0	0	0	No
SLV 6	10	-11669	3667513	0	0	0	No
SLV 6	250	-7513	-4590933	0	0	0	No
SLV 11	10	-7967	-3329494	0	0	0	No
SLV 11	250	-4579	3982759	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 3	10	-9861	2107	181617	1.14	1.14	157.06	0.2	1741		0.83	No
SLU 3	250	-6090	2107	-324369	0.7	1.46	75.8	0.24	1018		0.48	No
SLU 34	10	-13080	2673	228172	1.51	1.51	157.06	0.25	2171		0.81	No
SLU 34	250	-8177	2673	-413677	0.95	1.77	83.83	0.29	1318		0.49	No
SLU 11	10	-9997	2197	188737	1.16	1.16	157.06	0.2	1759		0.8	No
SLU 11	250	-6225	2197	-338748	0.72	1.56	72.34	0.26	1026		0.47	No
SLU 21	10	-12710	2626	226413	1.47	1.47	157.06	0.25	2121		0.81	No
SLU 21	250	-7807	2626	-404279	0.9	1.77	80.25	0.29	1259		0.48	No
SLU 20	10	-12634	2624	226667	1.46	1.46	157.06	0.24	2111		0.8	No
SLU 20	250	-7731	2624	-403315	0.89	1.78	79.08	0.29	1246		0.47	No
SLU 2	10	-9785	2104	181871	1.13	1.13	157.06	0.2	1731		0.82	No
SLU 2	250	-6013	2104	-323405	0.7	1.47	74.24	0.25	1003		0.48	No
SLU 30	10	-12922	2719	233279	1.5	1.5	157.06	0.25	2150		0.79	No
SLU 30	250	-8019	2719	-419622	0.93	1.85	78.61	0.3	1283		0.47	No
SLU 29	10	-12846	2716	233533	1.49	1.49	157.06	0.25	2139		0.79	No
SLU 29	250	-7943	2716	-418658	0.92	1.86	77.46	0.3	1269		0.47	No
SLU 12	10	-10073	2200	188484	1.17	1.17	157.06	0.2	1770		0.8	No
SLU 12	250	-6302	2200	-339712	0.73	1.55	73.87	0.26	1041		0.47	No
SLU 32	10	-12985	2642	225614	1.5	1.5	157.06	0.25	2158		0.82	No
SLU 32	250	-8082	2642	-408735	0.94	1.75	83.88	0.28	1305		0.49	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 6	10	-11669	33965	3667513	1.35	0	0	0.06	0		0	No
SLV 6	250	-7513	34131	-4590933	0.87	0	0	0.06	0		0	No
SLV 9	10	-12444	30917	3218789	1.44	0	0	0.06	0		0	No
SLV 9	250	-8503	31480	-4224959	0.98	0	0	0.06	0		0	No
SLV 8	10	-7192	-26977	-2880769	0.83	0	0	0.06	0		0	No
SLV 8	250	-3589	-27540	3616785	0.42	0	0	0.06	0		0	No
SLV 13	10	-11781	6032	403377	1.36	1.61	132.87	0.33	2415		0.4	No
SLV 13	250	-8285	6802	-925288	0.96	0	0	0.06	0		0	No
SLD 1	10	-9543	8262	934603	1.1	0	0	0.1	0		0	No
SLD 1	250	-5576	8019	-1118826	0.65	0	0	0.1	0		0	No
SLV 11	10	-7967	-30024	-3329494	0.92	0	0	0.06	0		0	No
SLV 11	250	-4579	-30191	3982759	0.53	0	0	0.06	0		0	No
SLV 12	10	-7967	-30024	-3329494	0.92	0	0	0.06	0		0	No
SLV 12	250	-4579	-30191	3982759	0.53	0	0	0.06	0		0	No
SLV 14	10	-11781	6032	403377	1.36	1.61	132.87	0.33	2415		0.4	No
SLV 14	250	-8285	6802	-925288	0.96	0	0	0.06	0		0	No
SLV 7	10	-7192	-26977	-2880769	0.83	0	0	0.06	0		0	No
SLV 7	250	-3589	-27540	3616785	0.42	0	0	0.06	0		0	No
SLV 10	10	-12444	30917	3218789	1.44	0	0	0.06	0		0	No
SLV 10	250	-8503	31480	-4224959	0.98	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 8	3	0.46	10.47	-4313	51612	96029	1.86	Si
SLV 7	3	0.46	10.47	-4313	51612	96029	1.86	Si
SLV 3	3	0.46	11.29	-4652	51612	101669	1.97	Si
SLV 4	3	0.46	11.29	-4652	51612	101669	1.97	Si
SLV 12	3	0.46	12.53	-5161	51612	109612	2.12	Si
SLV 11	3	0.46	12.53	-5161	51612	109612	2.12	Si
SLV 2	3	0.46	14.06	-5792	51612	118566	2.3	Si
SLV 1	3	0.46	14.06	-5792	51612	118566	2.3	Si
SLV 16	3	0.46	18.16	-7481	51612	137818	2.67	Si
SLV 15	3	0.46	18.16	-7481	51612	137818	2.67	Si

Maschio 50

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3013.7	3005.4	3013.7	2837.8	L3	L4	167.5	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 36	408	-7219	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 36	193	-10148	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 36	-22	-10026	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 35	408	-6654	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 35	193	-10061	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 35	-22	-10083	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 34	408	-7107	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 34	193	-10062	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 34	-22	-9982	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 33	408	-6542	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 33	193	-9974	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 33	-22	-10038	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 26	408	-6061	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 26	193	-9791	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 26	-22	-10001	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 31	408	-6395	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 31	193	-9871	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 31	-22	-9989	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 32	408	-6959	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 32	193	-9959	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 32	-22	-9933	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 24	408	-5949	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 24	193	-9704	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 24	-22	-9957	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 27	408	-6625	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 27	193	-9879	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 27	-22	-9945	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 30	408	-7089	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 30	193	-9909	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si
SLU 30	-22	-9864	0	1	0	0	2.03	0	2.03	0.8	1	18305	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 5	10	-11695	3617825	0	0	0	No
SLV 5	250	-7231	-4458868	0	0	0	No
SLV 8	10	-10296	-3316646	0	0	0	No
SLV 8	250	-5727	4130566	0	0	0	No
SLV 10	10	-11477	3095819	0	0	0	No
SLV 10	250	-7901	-4098301	0	0	0	No
SLV 11	10	-10078	-3838652	0	0	0	No
SLV 11	250	-6397	4491133	0	0	0	No
SLV 7	10	-10296	-3316646	0	0	0	No
SLV 7	250	-5727	4130566	0	0	0	No
SLV 4	10	-11040	-280574	1.2	502460	1.791	Si
SLV 4	250	-5472	703602	0	0	0	No
SLV 6	10	-11695	3617825	0	0	0	No
SLV 6	250	-7231	-4458868	0	0	0	No
SLV 9	10	-11477	3095819	0	0	0	No
SLV 9	250	-7901	-4098301	0	0	0	No
SLD 1	10	-11140	734858	1.21	664417	0.904	No
SLD 1	250	-6420	-819951	0	0	0	No
SLV 12	10	-10078	-3838652	0	0	0	No
SLV 12	250	-6397	4491133	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 18	10	-11481	-795	-147541	1.25	1.25	167.54	0.22	1986		2.5	Si
SLU 18	250	-7408	-795	42497	0.8	0.8	167.54	0.16	1443		1.82	Si
SLU 12	10	-11241	-779	-146090	1.22	1.22	167.54	0.21	1954		2.51	Si
SLU 12	250	-7169	-779	40157	0.78	0.78	167.54	0.15	1411		1.81	Si
SLU 34	10	-14529	-835	-164231	1.58	1.58	167.54	0.26	2392		2.86	Si
SLU 34	250	-9235	-835	35374	1	1	167.54	0.18	1686		2.02	Si
SLU 14	10	-11291	-755	-141764	1.23	1.23	167.54	0.21	1960		2.6	Si
SLU 14	250	-7218	-755	38649	0.78	0.78	167.54	0.15	1417		1.88	Si
SLU 11	10	-11155	-750	-142314	1.21	1.21	167.54	0.21	1942		2.59	Si
SLU 11	250	-7082	-750	37044	0.77	0.77	167.54	0.15	1399		1.87	Si
SLU 32	10	-14426	-824	-162230	1.57	1.57	167.54	0.26	2379		2.89	Si
SLU 32	250	-9132	-824	34639	0.99	0.99	167.54	0.18	1673		2.03	Si
SLU 29	10	-14290	-820	-162780	1.55	1.55	167.54	0.26	2360		2.88	Si
SLU 29	250	-8996	-820	33034	0.98	0.98	167.54	0.18	1654		2.02	Si

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 16	10	-11394	-766	-143764	1.24	1.24	167.54	0.21	1974		2.58	Si
SLU 16	250	-7321	-766	39384	0.79	0.79	167.54	0.16	1431		1.87	Si
SLU 30	10	-14377	-848	-166557	1.56	1.56	167.54	0.26	2372		2.8	Si
SLU 30	250	-9083	-848	36147	0.99	0.99	167.54	0.18	1666		1.96	Si
SLU 36	10	-14616	-864	-168007	1.59	1.59	167.54	0.26	2404		2.78	Si
SLU 36	250	-9322	-864	38487	1.01	1.01	167.54	0.18	1698		1.96	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 1.5 (SLD), γM = 2.4 (SLV)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLD 1	10	-11140	6185	734858	1.21	3.79	53.41	1.11	3261		0.53	No
SLD 1	250	-6420	5817	-819951	0.7	0	0	0.1	0		0	No
SLV 11	10	-10078	-34214	-3838652	1.09	0	0	0.06	0		0	No
SLV 11	250	-6397	-34459	4491133	0.69	0	0	0.06	0		0	No
SLV 4	10	-11040	-4561	-280574	1.2	1.2	167.54	0.26	2409		0.53	No
SLV 4	250	-5472	-5721	703602	0.59	0	0	0.06	0		0	No
SLV 5	10	-11695	33153	3617825	1.27	0	0	0.06	0		0	No
SLV 5	250	-7231	33399	-4458868	0.78	0	0	0.06	0		0	No
SLV 7	10	-10296	-30870	-3316646	1.12	0	0	0.06	0		0	No
SLV 7	250	-5727	-31714	4130566	0.62	0	0	0.06	0		0	No
SLV 8	10	-10296	-30870	-3316646	1.12	0	0	0.06	0		0	No
SLV 8	250	-5727	-31714	4130566	0.62	0	0	0.06	0		0	No
SLV 10	10	-11477	29810	3095819	1.25	0	0	0.06	0		0	No
SLV 10	250	-7901	30653	-4098301	0.86	0	0	0.06	0		0	No
SLV 9	10	-11477	29810	3095819	1.25	0	0	0.06	0		0	No
SLV 9	250	-7901	30653	-4098301	0.86	0	0	0.06	0		0	No
SLV 6	10	-11695	33153	3617825	1.27	0	0	0.06	0		0	No
SLV 6	250	-7231	33399	-4458868	0.78	0	0	0.06	0		0	No
SLV 12	10	-10078	-34214	-3838652	1.09	0	0	0.06	0		0	No
SLV 12	250	-6397	-34459	4491133	0.69	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 4	3	0.46	12.54	-5510	55054	116989	2.12	Si
SLV 3	3	0.46	12.54	-5510	55054	116989	2.12	Si
SLV 1	3	0.46	13.66	-6002	55054	124073	2.25	Si
SLV 2	3	0.46	13.66	-6002	55054	124073	2.25	Si
SLV 8	3	0.46	13.93	-6122	55054	125722	2.28	Si
SLV 7	3	0.46	13.93	-6122	55054	125722	2.28	Si
SLV 12	3	0.46	16.24	-7139	55054	138341	2.51	Si
SLV 11	3	0.46	16.24	-7139	55054	138341	2.51	Si
SLV 5	3	0.46	17.66	-7762	55054	144913	2.63	Si
SLV 6	3	0.46	17.66	-7762	55054	144913	2.63	Si

Maschio 51

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3013.7	3289.1	3013.7	3135.4	L3	L4	153.7	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	408	-318	0	1	0	-9.17	2.03	0	11.2	0.43	1	8918	Si
SLU 30	193	-13110	0	1	0	-9.17	2.03	0	5.6	0.63	1	13085	No
SLU 30	-22	-12997	0	1	0	-9.17	2.03	0	11.2	0.43	1	8918	No
SLU 36	408	-380	0	1	0	-9.17	2.03	0	11.2	0.43	1	8918	Si
SLU 36	193	-13084	0	1	0	-9.17	2.03	0	5.6	0.63	1	13085	Si
SLU 36	-22	-12956	0	1	0	-9.17	2.03	0	11.2	0.43	1	8918	No
SLU 29	408	-285	0	1	0	-9.17	2.03	0	11.2	0.43	1	8918	Si
SLU 29	193	-13005	0	1	0	-9.17	2.03	0	5.6	0.63	1	13085	Si
SLU 29	-22	-12925	0	1	0	-9.17	2.03	0	11.2	0.43	1	8918	No
SLU 34	408	-347	0	1	0	-9.17	2.03	0	11.2	0.43	1	8918	Si
SLU 34	193	-12979	0	1	0	-9.17	2.03	0	5.6	0.63	1	13085	Si
SLU 34	-22	-12885	0	1	0	-9.17	2.03	0	11.2	0.43	1	8918	No
SLU 32	408	-308	0	1	0	-9.17	2.03	0	11.2	0.43	1	8918	Si
SLU 32	193	-12887	0	1	0	-9.17	2.03	0	5.6	0.63	1	13085	Si
SLU 32	-22	-12824	0	1	0	-9.17	2.03	0	11.2	0.43	1	8918	No
SLU 21	408	-200	0	1	0	-9.17	2.03	0	11.2	0.43	1	8918	Si
SLU 21	193	-12435	0	1	0	-9.17	2.03	0	5.6	0.63	1	13085	Si
SLU 21	-22	-12507	0	1	0	-9.17	2.03	0	11.2	0.43	1	8918	No
SLU 27	408	-261	0	1	0	-9.17	2.03	0	11.2	0.43	1	8918	Si
SLU 27	193	-12410	0	1	0	-9.17	2.03	0	5.6	0.63	1	13085	Si
SLU 27	-22	-12467	0	1	0	-9.17	2.03	0	11.2	0.43	1	8918	No
SLU 20	408	-167	0	1	0	-9.17	2.03	0	11.2	0.43	1	8918	Si
SLU 20	193	-12330	0	1	0	-9.17	2.03	0	5.6	0.63	1	13085	Si
SLU 20	-22	-12436	0	1	0	-9.17	2.03	0	11.2	0.43	1	8918	No
SLU 25	408	-229	0	1	0	-9.17	2.03	0	11.2	0.43	1	8918	Si
SLU 25	193	-12305	0	1	0	-9.17	2.03	0	5.6	0.63	1	13085	Si
SLU 25	-22	-12396	0	1	0	-9.17	2.03	0	11.2	0.43	1	8918	No
SLU 35	408	-280	0	1	0	-9.17	2.03	0	11.2	0.43	1	8918	Si
SLU 35	193	-12319	0	1	0	-9.17	2.03	0	5.6	0.63	1	13085	Si
SLU 35	-22	-12387	0	1	0	-9.17	2.03	0	11.2	0.43	1	8918	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 1.5 (SLD), γM = 2.4 (SLV)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLD 1	10	-6751	455809	0.8	420115	0.922	No

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLD 1	250	-3365	-356068	0	0	0	No
SLV 6	10	9328	3100598	0	0	0	No
SLV 6	250	13111	-2482616	0	0	0	No
SLV 10	10	4986	2845153	0	0	0	No
SLV 10	250	9280	-2265742	0	0	0	No
SLV 2	10	582	1214898	0	0	0	No
SLV 2	250	3547	-977617	0	0	0	No
SLV 8	10	-30135	-3138599	0	0	0	No
SLV 8	250	-26985	2540295	0	0	0	No
SLV 7	10	-30135	-3138599	0	0	0	No
SLV 7	250	-26985	2540295	0	0	0	No
SLV 11	10	-34477	-3394044	0	0	0	No
SLV 11	250	-30817	2757169	0	0	0	No
SLV 9	10	4986	2845153	0	0	0	No
SLV 9	250	9280	-2265742	0	0	0	No
SLV 12	10	-34477	-3394044	0	0	0	No
SLV 12	250	-30817	2757169	0	0	0	No
SLV 5	10	9328	3100598	0	0	0	No
SLV 5	250	13111	-2482616	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 30	10	-17170	-1726	-220602	2.03	2.03	153.7	0.32	2707		1.57	Si
SLU 30	250	-12331	-1726	195216	1.46	1.46	153.7	0.24	2062		1.19	Si
SLU 11	10	-13713	-1447	-188568	1.62	1.62	153.7	0.27	2246		1.55	Si
SLU 11	250	-9991	-1447	159996	1.18	1.18	153.7	0.21	1750		1.21	Si
SLU 29	10	-17065	-1698	-217149	2.02	2.02	153.7	0.32	2693		1.59	Si
SLU 29	250	-12226	-1698	191913	1.45	1.45	153.7	0.24	2048		1.21	Si
SLU 16	10	-13687	-1446	-184855	1.62	1.62	153.7	0.27	2242		1.55	Si
SLU 16	250	-9965	-1446	163414	1.18	1.18	153.7	0.21	1746		1.21	Si
SLU 14	10	-13594	-1431	-183385	1.61	1.61	153.7	0.26	2230		1.56	Si
SLU 14	250	-9872	-1431	161145	1.17	1.17	153.7	0.21	1734		1.21	Si
SLU 12	10	-13818	-1476	-192021	1.63	1.63	153.7	0.27	2260		1.53	Si
SLU 12	250	-10096	-1476	163299	1.19	1.19	153.7	0.21	1764		1.2	Si
SLU 18	10	-13792	-1474	-188307	1.63	1.63	153.7	0.27	2256		1.53	Si
SLU 18	250	-10070	-1474	166717	1.19	1.19	153.7	0.21	1760		1.19	Si
SLU 36	10	-17144	-1725	-216888	2.03	2.03	153.7	0.32	2703		1.57	Si
SLU 36	250	-12305	-1725	198634	1.46	1.46	153.7	0.24	2058		1.19	Si
SLU 34	10	-17039	-1697	-213436	2.02	2.02	153.7	0.32	2689		1.58	Si
SLU 34	250	-12200	-1697	195331	1.44	1.44	153.7	0.24	2044		1.2	Si
SLU 32	10	-16946	-1681	-211966	2	2	153.7	0.32	2677		1.59	Si
SLU 32	250	-12108	-1681	193062	1.43	1.43	153.7	0.24	2032		1.21	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 1.5 (SLD), γM = 2.4 (SLV)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLD 10	10	-4801	8378	1177145	0.57	0	0	0.1	0		0	No
SLD 10	250	-826	8805	-926038	0.1	0	0	0.1	0		0	No
SLV 9	10	4986	20426	2845153	-0.59	0	0	0.06	0		0	No
SLV 9	250	9280	21381	-2265742	-1.1	0	0	0.06	0		0	No
SLV 6	10	9328	23983	3100598	-1.1	0	0	0.06	0		0	No
SLV 6	250	13111	23516	-2482616	-1.55	0	0	0.06	0		0	No
SLV 10	10	4986	20426	2845153	-0.59	0	0	0.06	0		0	No
SLV 10	250	9280	21381	-2265742	-1.1	0	0	0.06	0		0	No
SLV 7	10	-30135	-22783	-3138599	3.56	0	0	0.06	0		0	No
SLV 7	250	-26985	-23737	2540295	3.19	0	0	0.06	0		0	No
SLD 6	10	-2879	9952	1290194	0.34	0	0	0.1	0		0	No
SLD 6	250	869	9750	-1022011	-0.1	0	0	0.1	0		0	No
SLV 2	10	582	11765	1214898	-0.07	0	0	0.06	0		0	No
SLV 2	250	3547	9469	-977617	-0.42	0	0	0.06	0		0	No
SLV 1	10	582	11765	1214898	-0.07	0	0	0.06	0		0	No
SLV 1	250	3547	9469	-977617	-0.42	0	0	0.06	0		0	No
SLD 1	10	-6751	4548	455809	0.8	4.38	28.01	1.27	1953		0.43	No
SLD 1	250	-3365	3534	-356068	0.4	0	0	0.1	0		0	No
SLV 8	10	-30135	-22783	-3138599	3.56	0	0	0.06	0		0	No
SLV 8	250	-26985	-23737	2540295	3.19	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 10	3	0.46	0	9109	50506	0	0	No
SLV 7	3	0.46	0	-28012	50506	0	0	No
SLV 11	3	0.46	0	-31611	50506	0	0	No
SLV 12	3	0.46	0	-31611	50506	0	0	No
SLV 6	3	0.46	0	12707	50506	0	0	No
SLV 1	3	0.46	0	2653	50506	0	0	No
SLV 8	3	0.46	0	-28012	50506	0	0	No
SLV 5	3	0.46	0	12707	50506	0	0	No
SLV 2	3	0.46	0	2653	50506	0	0	No
SLV 9	3	0.46	0	9109	50506	0	0	No

Maschio 52

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3013.7	3538.4	3013.7	3439.1	L3	L4	99.3	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	408	-7245	0	1	0	-3.1	2.03	0	5.13	0.64	1	8677	Si
SLU 30	193	-11213	0	1	0	-3.1	2.03	0	2.57	0.77	1	10451	No
SLU 30	-22	-12474	0	1	0	-3.1	2.03	0	5.13	0.64	1	8677	No
SLU 29	408	-7217	0	1	0	-3.11	2.03	0	5.14	0.64	1	8671	Si
SLU 29	193	-11174	0	1	0	-3.11	2.03	0	2.57	0.77	1	10446	No
SLU 29	-22	-12442	0	1	0	-3.11	2.03	0	5.14	0.64	1	8671	No
SLU 36	408	-7121	0	1	0	-2.9	2.03	0	4.93	0.65	1	8771	Si
SLU 36	193	-11050	0	1	0	-2.9	2.03	0	2.47	0.78	1	10526	No
SLU 36	-22	-12335	0	1	0	-2.9	2.03	0	4.93	0.65	1	8771	No
SLU 34	408	-7093	0	1	0	-2.91	2.03	0	4.94	0.65	1	8766	Si
SLU 34	193	-11011	0	1	0	-2.91	2.03	0	2.47	0.78	1	10522	No
SLU 34	-22	-12302	0	1	0	-2.91	2.03	0	4.94	0.65	1	8766	No
SLU 32	408	-7081	0	1	0	-2.92	2.03	0	4.95	0.65	1	8763	Si
SLU 32	193	-10993	0	1	0	-2.92	2.03	0	2.47	0.78	1	10520	No
SLU 32	-22	-12286	0	1	0	-2.92	2.03	0	4.95	0.65	1	8763	No
SLU 21	408	-6949	0	1	0	-2.91	2.03	0	4.94	0.65	1	8767	Si
SLU 21	193	-10807	0	1	0	-2.91	2.03	0	2.47	0.78	1	10523	No
SLU 21	-22	-12130	0	1	0	-2.91	2.03	0	4.94	0.65	1	8767	No
SLU 20	408	-6921	0	1	0	-2.92	2.03	0	4.95	0.65	1	8762	Si
SLU 20	193	-10769	0	1	0	-2.92	2.03	0	2.48	0.78	1	10518	No
SLU 20	-22	-12098	0	1	0	-2.92	2.03	0	4.95	0.65	1	8762	No
SLU 27	408	-6825	0	1	0	-2.7	2.03	0	4.73	0.66	1	8867	Si
SLU 27	193	-10645	0	1	0	-2.7	2.03	0	2.36	0.79	1	10602	No
SLU 27	-22	-11991	0	1	0	-2.7	2.03	0	4.73	0.66	1	8867	No
SLU 25	408	-6797	0	1	0	-2.71	2.03	0	4.74	0.66	1	8862	Si
SLU 25	193	-10606	0	1	0	-2.71	2.03	0	2.37	0.79	1	10598	No
SLU 25	-22	-11958	0	1	0	-2.71	2.03	0	4.74	0.66	1	8862	No
SLU 23	408	-6785	0	1	0	-2.71	2.03	0	4.74	0.66	1	8860	Si
SLU 23	193	-10587	0	1	0	-2.71	2.03	0	2.37	0.79	1	10596	Si
SLU 23	-22	-11942	0	1	0	-2.71	2.03	0	4.74	0.66	1	8860	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 28	10	-12887	605	156974	2.36	2.36	99.34	0.36	1988		3.29	Si
SLU 28	370	-8668	268	125584	1.59	1.59	99.34	0.26	1426		5.33	Si
SLU 22	10	-12549	594	151728	2.3	2.3	99.34	0.36	1943		3.27	Si
SLU 22	370	-8334	324	120165	1.53	1.53	99.34	0.25	1381		4.26	Si
SLU 26	10	-12607	596	151771	2.31	2.31	99.34	0.36	1951		3.27	Si
SLU 26	370	-8388	311	120378	1.54	1.54	99.34	0.25	1388		4.47	Si
SLU 24	10	-12569	598	151398	2.3	2.3	99.34	0.36	1946		3.25	Si
SLU 24	370	-8350	313	119971	1.53	1.53	99.34	0.25	1383		4.42	Si
SLU 23	10	-13171	615	162011	2.41	2.41	99.34	0.37	2026		3.3	Si
SLU 23	370	-8953	247	130625	1.64	1.64	99.34	0.27	1464		5.94	Si
SLU 20	10	-13361	628	165672	2.45	2.45	99.34	0.38	2051		3.27	Si
SLU 20	370	-9142	218	134294	1.67	1.67	99.34	0.27	1489		6.83	Si
SLU 21	10	-13399	626	166045	2.45	2.45	99.34	0.38	2056		3.29	Si
SLU 21	370	-9180	216	134701	1.68	1.68	99.34	0.27	1494		6.93	Si
SLU 19	10	-12473	599	150982	2.28	2.28	99.34	0.35	1933		3.23	Si
SLU 19	370	-8259	328	119352	1.51	1.51	99.34	0.25	1371		4.18	Si
SLU 27	10	-13229	616	162054	2.42	2.42	99.34	0.37	2034		3.3	Si
SLU 27	370	-9006	233	130837	1.65	1.65	99.34	0.27	1471		6.3	Si
SLU 25	10	-13190	618	161681	2.41	2.41	99.34	0.37	2029		3.28	Si
SLU 25	370	-8968	236	130430	1.64	1.64	99.34	0.27	1466		6.22	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 12	3	0.46	49.64	-12936	32642	34682	1.06	Si
SLV 11	3	0.46	49.64	-12936	32642	34682	1.06	Si
SLV 8	3	0.46	46.7	-12170	32642	50514	1.55	Si
SLV 7	3	0.46	46.7	-12170	32642	50514	1.55	Si
SLV 5	3	0.46	13.2	-3440	32642	71897	2.2	Si
SLV 6	3	0.46	13.2	-3440	32642	71897	2.2	Si
SLV 16	3	0.46	41.34	-10774	32642	73571	2.25	Si
SLV 15	3	0.46	41.34	-10774	32642	73571	2.25	Si
SLV 10	3	0.46	16.14	-4206	32642	81725	2.5	Si
SLV 9	3	0.46	16.14	-4206	32642	81725	2.5	Si

Maschio 53

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3013.7	3538.4	3084.2	3538.4	L3	L4	70.5	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 36	408	-3802	0	1	0	0	2.03	0	2.03	0.8	1	7708	Si
SLU 36	193	-8677	0	1	0	0	2.03	0	2.03	0.8	1	7708	No
SLU 36	-22	-8658	0	1	0	0	2.03	0	2.03	0.8	1	7708	No
SLU 34	408	-3793	0	1	0	0	2.03	0	2.03	0.8	1	7708	Si
SLU 34	193	-8667	0	1	0	0	2.03	0	2.03	0.8	1	7708	No
SLU 34	-22	-8648	0	1	0	0	2.03	0	2.03	0.8	1	7708	No
SLU 30	408	-3696	0	1	0	0	2.03	0	2.03	0.8	1	7708	Si
SLU 30	193	-8574	0	1	0	0	2.03	0	2.03	0.8	1	7708	No
SLU 30	-22	-8570	0	1	0	0	2.03	0	2.03	0.8	1	7708	No

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 29	408	-3687	0	1	0	0	2.03	0	2.03	0.8	1	7708	Si
SLU 29	193	-8564	0	1	0	0	2.03	0	2.03	0.8	1	7708	No
SLU 29	-22	-8560	0	1	0	0	2.03	0	2.03	0.8	1	7708	No
SLU 35	408	-3780	0	1	0	0	2.03	0	2.03	0.8	1	7708	Si
SLU 35	193	-8551	0	1	0	0	2.03	0	2.03	0.8	1	7708	No
SLU 35	-22	-8557	0	1	0	0	2.03	0	2.03	0.8	1	7708	No
SLU 33	408	-3772	0	1	0	0	2.03	0	2.03	0.8	1	7708	Si
SLU 33	193	-8540	0	1	0	0	2.03	0	2.03	0.8	1	7708	No
SLU 33	-22	-8546	0	1	0	0	2.03	0	2.03	0.8	1	7708	No
SLU 32	408	-3695	0	1	0	0	2.03	0	2.03	0.8	1	7708	Si
SLU 32	193	-8531	0	1	0	0	2.03	0	2.03	0.8	1	7708	No
SLU 32	-22	-8537	0	1	0	0	2.03	0	2.03	0.8	1	7708	No
SLU 27	408	-3693	0	1	0	0	2.03	0	2.03	0.8	1	7708	Si
SLU 27	193	-8475	0	1	0	0	2.03	0	2.03	0.8	1	7708	No
SLU 27	-22	-8492	0	1	0	0	2.03	0	2.03	0.8	1	7708	No
SLU 25	408	-3684	0	1	0	0	2.03	0	2.03	0.8	1	7708	Si
SLU 25	193	-8464	0	1	0	0	2.03	0	2.03	0.8	1	7708	No
SLU 25	-22	-8482	0	1	0	0	2.03	0	2.03	0.8	1	7708	No
SLU 31	408	-3674	0	1	0	0	2.03	0	2.03	0.8	1	7708	Si
SLU 31	193	-8404	0	1	0	0	2.03	0	2.03	0.8	1	7708	No
SLU 31	-22	-8435	0	1	0	0	2.03	0	2.03	0.8	1	7708	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 22	10	-10163	2706	124413	2.62	2.67	69.09	0.41	1543		0.57	No
SLU 22	250	-7885	17	105090	2.03	2.18	65.83	0.34	1230		72.39	Si
SLU 25	10	-10432	2754	126879	2.69	2.74	69.33	0.41	1579		0.57	No
SLU 25	250	-8152	17	107334	2.1	2.24	66.32	0.35	1267		73.96	Si
SLU 24	10	-10304	2729	125744	2.66	2.71	69.21	0.41	1562		0.57	No
SLU 24	250	-8022	17	106382	2.07	2.21	66.03	0.34	1249		73.8	Si
SLU 21	10	-10336	2740	126288	2.66	2.72	69.16	0.41	1566		0.57	No
SLU 21	250	-8060	17	106725	2.08	2.22	66.09	0.35	1254		72.16	Si
SLU 26	10	-10315	2731	125491	2.66	2.71	69.32	0.41	1564		0.57	No
SLU 26	250	-8033	17	106106	2.07	2.21	66.19	0.34	1251		74.3	Si
SLU 31	10	-10370	2741	125812	2.67	2.72	69.42	0.41	1571		0.57	No
SLU 31	250	-8091	17	106302	2.09	2.22	66.4	0.34	1259		74.74	Si
SLU 20	10	-10325	2739	126542	2.66	2.72	69.05	0.41	1564		0.57	No
SLU 20	250	-8049	17	107001	2.07	2.22	65.93	0.35	1252		71.68	Si
SLU 19	10	-10142	2703	124920	2.61	2.68	68.86	0.41	1539		0.57	No
SLU 19	250	-7863	17	105642	2.03	2.18	65.51	0.34	1226		71.42	Si
SLU 28	10	-10349	2738	126319	2.67	2.72	69.2	0.41	1568		0.57	No
SLU 28	250	-8069	17	106854	2.08	2.22	66.09	0.35	1255		73.73	Si
SLU 23	10	-10292	2731	125548	2.65	2.7	69.22	0.41	1560		0.57	No
SLU 23	250	-8015	17	106041	2.07	2.2	66.13	0.34	1248		72.56	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 2	3	0.46	54.58	-10101	23181	2129	0.09	No
SLV 1	3	0.46	54.58	-10101	23181	2129	0.09	No
SLV 4	3	0.46	50.63	-9371	23181	20458	0.88	No
SLV 3	3	0.46	50.63	-9371	23181	20458	0.88	No
SLV 5	3	0.46	46.85	-8671	23181	35320	1.52	Si
SLV 6	3	0.46	46.85	-8671	23181	35320	1.52	Si
SLV 15	3	0.46	15.41	-2852	23181	56460	2.44	Si
SLV 16	3	0.46	15.41	-2852	23181	56460	2.44	Si
SLV 10	3	0.46	36.29	-6716	23181	62834	2.71	Si
SLV 9	3	0.46	36.29	-6716	23181	62834	2.71	Si

Maschio 54

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3214.2	3538.4	3333.9	3538.4	L3	L4	119.7	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 35	408	-5318	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 35	193	-10683	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 35	-22	-11496	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 33	408	-5267	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 33	193	-10658	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 33	-22	-11482	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 36	408	-5572	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 36	193	-10690	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 36	-22	-11470	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 34	408	-5522	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 34	193	-10665	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 34	-22	-11456	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 26	408	-5039	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 26	193	-10503	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 26	-22	-11381	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 24	408	-4989	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 24	193	-10478	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 24	-22	-11367	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 31	408	-5192	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 31	193	-10499	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 31	-22	-11355	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 27	408	-5294	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 27	193	-10510	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 27	-22	-11355	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 25	408	-5243	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 25	193	-10485	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 25	-22	-11341	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 32	408	-5447	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 32	193	-10506	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si
SLU 32	-22	-11329	0	1	0	0	2.03	0	2.03	0.8	1	13077	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 23	10	-13467	11	-234698	2.05	2.05	119.69	0.32	2121		201.34	Si
SLU 23	250	-9745	11	-237019	1.48	1.66	106.56	0.27	1589		150.83	Si
SLU 31	10	-13640	11	-239777	2.07	2.07	119.69	0.33	2144		199.71	Si
SLU 31	250	-9918	11	-242146	1.51	1.7	106.28	0.28	1611		150.08	Si
SLU 22	10	-13460	11	-240537	2.04	2.04	119.69	0.32	2120		195.07	Si
SLU 22	250	-9738	11	-242939	1.48	1.69	104.69	0.27	1583		145.65	Si
SLU 26	10	-13644	11	-244338	2.07	2.07	119.69	0.33	2144		195.25	Si
SLU 26	250	-9922	11	-246768	1.51	1.72	104.92	0.28	1608		146.4	Si
SLU 28	10	-13591	11	-240782	2.06	2.06	119.69	0.32	2137		198.25	Si
SLU 28	250	-9869	11	-243163	1.5	1.7	105.61	0.28	1603		148.67	Si
SLU 35	10	-13824	11	-243578	2.1	2.1	119.69	0.33	2168		199.84	Si
SLU 35	250	-10102	11	-245976	1.53	1.72	106.48	0.28	1636		150.79	Si
SLU 19	10	-13411	11	-241543	2.04	2.04	119.69	0.32	2113		193.65	Si
SLU 19	250	-9689	11	-243955	1.47	1.69	103.99	0.28	1574		144.26	Si
SLU 24	10	-13620	11	-244841	2.07	2.07	119.69	0.33	2141		194.54	Si
SLU 24	250	-9897	11	-247276	1.5	1.72	104.58	0.28	1604		145.72	Si
SLU 33	10	-13800	11	-244081	2.1	2.1	119.69	0.33	2165		199.12	Si
SLU 33	250	-10077	11	-246484	1.53	1.73	106.15	0.28	1632		150.09	Si
SLU 25	10	-13627	11	-239002	2.07	2.07	119.69	0.33	2142		200.71	Si
SLU 25	250	-9904	11	-241357	1.5	1.69	106.42	0.27	1610		150.83	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 16	3	0.46	11.18	-3511	39330	76927	1.96	Si
SLV 15	3	0.46	11.18	-3511	39330	76927	1.96	Si
SLV 13	3	0.46	11.58	-3637	39330	78953	2.01	Si
SLV 14	3	0.46	11.58	-3637	39330	78953	2.01	Si
SLV 2	3	0.46	39.79	-12494	39330	95014	2.42	Si
SLV 1	3	0.46	39.79	-12494	39330	95014	2.42	Si
SLV 4	3	0.46	39.39	-12368	39330	96533	2.45	Si
SLV 3	3	0.46	39.39	-12368	39330	96533	2.45	Si
SLV 11	3	0.46	20.59	-6465	39330	111229	2.83	Si
SLV 12	3	0.46	20.59	-6465	39330	111229	2.83	Si

Maschio 55

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3473.9	3538.4	3618.8	3538.4	L3	L4	144.9	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 35	408	-3183	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 35	193	-6759	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 35	-22	-7120	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 33	408	-3097	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 33	193	-6700	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 33	-22	-7102	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 26	408	-2703	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 26	193	-6537	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 26	-22	-7074	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 36	408	-3786	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 36	193	-6846	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 36	-22	-7062	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 24	408	-2617	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 24	193	-6479	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 24	-22	-7056	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 31	408	-3079	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 31	193	-6611	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 31	-22	-7048	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 34	408	-3699	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 34	193	-6788	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 34	-22	-7044	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 27	408	-3306	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 27	193	-6624	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 27	-22	-7016	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 28	408	-2906	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 28	193	-6494	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 28	-22	-7011	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 22	408	-2599	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 22	193	-6389	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si
SLU 22	-22	-7002	0	1	0	0	2.03	0	2.03	0.8	1	15827	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 3	10	-14921	-1884757	0	0	0	No
SLV 3	250	-11824	1747006	0	0	0	No
SLV 13	10	-808	2520569	0	0	0	No
SLV 13	250	2926	-2644243	0	0	0	No
SLV 9	10	-9026	521576	1.13	371417	0.712	No
SLV 9	250	-3206	-857324	0	0	0	No
SLV 12	10	-1821	1526254	0	0	0	No
SLV 12	250	-1075	-1406734	0	0	0	No
SLV 4	10	-14921	-1884757	0	0	0	No
SLV 4	250	-11824	1747006	0	0	0	No
SLV 2	10	-17083	-2186160	0	0	0	No
SLV 2	250	-12463	1911829	0	0	0	No
SLD 1	10	-11944	-790044	1.5	556101	0.704	No
SLD 1	250	-7997	595836	0	0	0	No
SLV 10	10	-9026	521576	1.13	371417	0.712	No
SLV 10	250	-3206	-857324	0	0	0	No
SLV 14	10	-808	2520569	0	0	0	No
SLV 14	250	2926	-2644243	0	0	0	No
SLV 11	10	-1821	1526254	0	0	0	No
SLV 11	250	-1075	-1406734	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 21	10	-10184	4219	419376	1.28	1.98	93.74	0.31	1612		0.38	No
SLU 21	250	-5743	4219	-592804	0.72	0	0	0.05	0		0	No
SLU 26	10	-10265	3957	395711	1.29	1.84	101.64	0.29	1645		0.42	No
SLU 26	250	-5825	3957	-553769	0.73	0	0	0.05	0		0	No
SLU 20	10	-10126	4204	418370	1.27	1.97	93.33	0.31	1604		0.38	No
SLU 20	250	-5685	4204	-590269	0.71	0	0	0.05	0		0	No
SLU 1	10	-7752	3045	304975	0.97	1.42	99.25	0.24	1303		0.43	No
SLU 1	250	-4336	3045	-425503	0.54	0	0	0.05	0		0	No
SLU 23	10	-10205	4147	412796	1.28	1.93	95.93	0.31	1621		0.39	No
SLU 23	250	-5764	4147	-582193	0.72	0	0	0.05	0		0	No
SLU 22	10	-10118	3945	395097	1.27	1.84	100.13	0.29	1621		0.41	No
SLU 22	250	-5677	3945	-551519	0.71	0	0	0.05	0		0	No
SLU 29	10	-10347	4326	428232	1.3	2.02	93.13	0.32	1633		0.38	No
SLU 29	250	-5907	4326	-609825	0.74	0	0	0.05	0		0	No
SLU 25	10	-10294	4144	412404	1.29	1.93	97.1	0.31	1636		0.39	No
SLU 25	250	-5853	4144	-581908	0.73	0	0	0.05	0		0	No
SLU 24	10	-10207	3943	394705	1.28	1.83	101.27	0.29	1636		0.41	No
SLU 24	250	-5766	3943	-551233	0.72	0	0	0.05	0		0	No
SLU 27	10	-10353	4159	413410	1.3	1.93	97.48	0.31	1645		0.4	No
SLU 27	250	-5912	4159	-584443	0.74	0	0	0.05	0		0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 11	10	-1821	12445	1526254	0.23	0	0	0.06	0		0	No
SLV 11	250	-1075	11210	-1406734	0.13	0	0	0.06	0		0	No
SLV 2	10	-17083	-18013	-2186160	2.14	0	0	0.06	0		0	No
SLV 2	250	-12463	-15714	1911829	1.56	0	0	0.06	0		0	No
SLV 3	10	-14921	-16109	-1884757	1.87	0	0	0.06	0		0	No
SLV 3	250	-11824	-14169	1747006	1.48	0	0	0.06	0		0	No
SLV 13	10	-808	22498	2520569	0.1	0	0	0.06	0		0	No
SLV 13	250	2926	20559	-2644243	-0.37	0	0	0.06	0		0	No
SLV 4	10	-14921	-16109	-1884757	1.87	0	0	0.06	0		0	No
SLV 4	250	-11824	-14169	1747006	1.48	0	0	0.06	0		0	No
SLV 12	10	-1821	12445	1526254	0.23	0	0	0.06	0		0	No
SLV 12	250	-1075	11210	-1406734	0.13	0	0	0.06	0		0	No
SLV 14	10	-808	22498	2520569	0.1	0	0	0.06	0		0	No
SLV 14	250	2926	20559	-2644243	-0.37	0	0	0.06	0		0	No
SLV 9	10	-9026	6097	521576	1.13	3.74	43.93	0.68	1654		0.27	No
SLV 9	250	-3206	6061	-857324	0.4	0	0	0.06	0		0	No
SLV 10	10	-9026	6097	521576	1.13	3.74	43.93	0.68	1654		0.27	No
SLV 10	250	-3206	6061	-857324	0.4	0	0	0.06	0		0	No
SLD 1	10	-11944	-6188	-790044	1.5	11.52	18.85	3.17	3287		0.53	No
SLD 1	250	-7997	-5173	595836	1	0	0	0.1	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 13	3	0.46	0	2437	47600	0	0	No
SLV 15	3	0.46	0	2763	47600	0	0	No
SLV 14	3	0.46	0	2437	47600	0	0	No
SLV 16	3	0.46	0	2763	47600	0	0	No
SLV 12	3	0.46	5.72	-2175	47600	53594	1.13	Si
SLV 11	3	0.46	5.72	-2175	47600	53594	1.13	Si
SLV 10	3	0.46	8.58	-3260	47600	75671	1.59	Si
SLV 9	3	0.46	8.58	-3260	47600	75671	1.59	Si
SLV 7	3	0.46	17.72	-6733	47600	125514	2.64	Si
SLV 8	3	0.46	17.72	-6733	47600	125514	2.64	Si

Maschio 56

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3748.8	3538.4	3919.7	3538.4	L3	L4	170.9	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	408	5218	0	1	0	0	2.03	0	0	0	0	0	No
SLU 1	193	-8122	0	1	0	0	2.03	0	2.03	0.8	1	18675	Si
SLU 1	-22	-10633	0	1	0	0	2.03	0	2.03	0.8	1	18675	Si
SLU 21	408	7489	0	1	0	0	2.03	0	0	0	0	0	No
SLU 21	193	-11114	0	1	0	0	2.03	0	2.03	0.8	1	18675	Si
SLU 21	-22	-14442	0	1	0	0	2.03	0	2.03	0.8	1	18675	Si
SLU 22	408	6740	0	1	0	0	2.03	0	0	0	0	0	No
SLU 22	193	-10569	0	1	0	0	2.03	0	2.03	0.8	1	18675	Si
SLU 22	-22	-13818	0	1	0	0	2.03	0	2.03	0.8	1	18675	Si
SLU 23	408	7268	0	1	0	0	2.03	0	0	0	0	0	No
SLU 23	193	-11011	0	1	0	0	2.03	0	2.03	0.8	1	18675	Si
SLU 23	-22	-14304	0	1	0	0	2.03	0	2.03	0.8	1	18675	Si
SLU 24	408	6574	0	1	0	0	2.03	0	0	0	0	0	No
SLU 24	193	-10683	0	1	0	0	2.03	0	2.03	0.8	1	18675	Si
SLU 24	-22	-13875	0	1	0	0	2.03	0	2.03	0.8	1	18675	Si
SLU 25	408	7102	0	1	0	0	2.03	0	0	0	0	0	No
SLU 25	193	-11125	0	1	0	0	2.03	0	2.03	0.8	1	18675	Si
SLU 25	-22	-14361	0	1	0	0	2.03	0	2.03	0.8	1	18675	Si
SLU 26	408	6579	0	1	0	0	2.03	0	0	0	0	0	No
SLU 26	193	-10770	0	1	0	0	2.03	0	2.03	0.8	1	18675	Si
SLU 26	-22	-13945	0	1	0	0	2.03	0	2.03	0.8	1	18675	Si
SLU 20	408	7484	0	1	0	0	2.03	0	0	0	0	0	No
SLU 20	193	-11028	0	1	0	0	2.03	0	2.03	0.8	1	18675	Si
SLU 20	-22	-14372	0	1	0	0	2.03	0	2.03	0.8	1	18675	Si
SLU 27	408	7107	0	1	0	0	2.03	0	0	0	0	0	No
SLU 27	193	-11211	0	1	0	0	2.03	0	2.03	0.8	1	18675	Si
SLU 27	-22	-14431	0	1	0	0	2.03	0	2.03	0.8	1	18675	Si
SLU 29	408	7639	0	1	0	0	2.03	0	0	0	0	0	No
SLU 29	193	-11499	0	1	0	0	2.03	0	2.03	0.8	1	18675	Si
SLU 29	-22	-14794	0	1	0	0	2.03	0	2.03	0.8	1	18675	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 9	10	-17688	1231983	1.88	427458	0.347	No
SLV 9	250	-9549	-1549203	0	0	0	No
SLV 4	10	-8523	-2520712	0	0	0	No
SLV 4	250	-5477	3130192	0	0	0	No
SLV 10	10	-17688	1231983	1.88	427458	0.347	No
SLV 10	250	-9549	-1549203	0	0	0	No
SLV 12	10	-7584	1296731	0	0	0	No
SLV 12	250	-7308	-1452568	0	0	0	No
SLV 8	10	-6385	-454706	0.68	404380	0.889	No
SLV 8	250	-6101	678162	0	0	0	No
SLV 13	10	-15550	3297988	0	0	0	No
SLV 13	250	-10173	-4001233	0	0	0	No
SLD 1	10	-11823	-907292	1.26	707655	0.78	No
SLD 1	250	-7084	1129500	0	0	0	No
SLV 14	10	-15550	3297988	0	0	0	No
SLV 14	250	-10173	-4001233	0	0	0	No
SLV 11	10	-7584	1296731	0	0	0	No
SLV 11	250	-7308	-1452568	0	0	0	No
SLV 7	10	-6385	-454706	0.68	404380	0.889	No
SLV 7	250	-6101	678162	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 23	10	-15597	4449	503479	1.66	1.78	159.54	0.29	2513		0.56	No
SLU 23	250	-10122	4449	-564029	1.08	2.06	89.22	0.32	1592		0.36	No
SLU 21	10	-15700	4530	514195	1.67	1.81	158.12	0.29	2523		0.56	No
SLU 21	250	-10225	4530	-572907	1.09	2.11	88.29	0.33	1603		0.35	No
SLU 20	10	-15613	4510	511992	1.66	1.8	158	0.29	2511		0.56	No
SLU 20	250	-10139	4510	-570106	1.08	2.1	87.69	0.33	1590		0.35	No
SLU 25	10	-15711	4465	504222	1.67	1.78	160.1	0.29	2530		0.57	No
SLU 25	250	-10236	4465	-567186	1.09	2.06	90.15	0.32	1610		0.36	No
SLU 34	10	-16182	4632	523691	1.72	1.85	159.29	0.3	2590		0.56	No
SLU 34	250	-10708	4632	-587847	1.14	2.12	91.68	0.33	1677		0.36	No
SLU 30	10	-16171	4698	533664	1.72	1.87	157.38	0.3	2584		0.55	No
SLU 30	250	-10697	4698	-593567	1.14	2.16	89.91	0.34	1670		0.36	No
SLU 29	10	-16085	4677	531461	1.71	1.86	157.25	0.3	2572		0.55	No
SLU 29	250	-10610	4677	-590766	1.13	2.16	89.34	0.34	1657		0.35	No
SLU 27	10	-15797	4486	506425	1.68	1.79	160.2	0.29	2541		0.57	No
SLU 27	250	-10323	4486	-569987	1.1	2.07	90.73	0.33	1623		0.36	No
SLU 19	10	-14982	4168	468931	1.59	1.68	162.48	0.27	2439		0.59	No
SLU 19	250	-9508	4168	-531176	1.01	1.95	88.77	0.31	1509		0.36	No
SLU 32	10	-16068	4616	522948	1.71	1.84	158.74	0.29	2574		0.56	No
SLU 32	250	-10594	4616	-584689	1.13	2.12	90.8	0.33	1659		0.36	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 12	10	-7584	8200	1296731	0.81	0	0	0.06	0		0	No
SLV 12	250	-7308	10076	-1452568	0.78	0	0	0.06	0		0	No
SLD 1	10	-11823	-8692	-907292	1.26	8.22	26.17	2.29	3295		0.38	No
SLD 1	250	-7084	-7802	1129500	0.75	0	0	0.1	0		0	No
SLV 14	10	-15550	33122	3297988	1.65	0	0	0.06	0		0	No
SLV 14	250	-10173	29472	-4001233	1.08	0	0	0.06	0		0	No
SLV 11	10	-7584	8200	1296731	0.81	0	0	0.06	0		0	No
SLV 11	250	-7308	10076	-1452568	0.78	0	0	0.06	0		0	No
SLV 4	10	-8523	-26253	-2520712	0.91	0	0	0.06	0		0	No
SLV 4	250	-5477	-22602	3130192	0.58	0	0	0.06	0		0	No
SLV 7	10	-6385	-8928	-454706	0.68	2.72	42.73	0.51	1209		0.14	No
SLV 7	250	-6101	-5353	678162	0.65	0	0	0.06	0		0	No
SLV 9	10	-17688	15798	1231983	1.88	6.78	47.42	1.19	3109		0.2	No
SLV 9	250	-9549	12222	-1549203	1.02	0	0	0.06	0		0	No

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 10	10	-17688	15798	1231983	1.88	6.78	47.42	1.19	3109		0.2	No
SLV 10	250	-9549	12222	-1549203	1.02	0	0	0.06	0		0	No
SLV 13	10	-15550	33122	3297988	1.65	0	0	0.06	0		0	No
SLV 13	250	-10173	29472	-4001233	1.08	0	0	0.06	0		0	No
SLV 8	10	-6385	-8928	-454706	0.68	2.72	42.73	0.51	1209		0.14	No
SLV 8	250	-6101	-5353	678162	0.65	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 8	3	0.46	2.88	-1293	56165	33701	0.6	No
SLV 7	3	0.46	2.88	-1293	56165	33701	0.6	No
SLV 11	3	0.46	5.52	-2476	56165	61260	1.09	Si
SLV 12	3	0.46	5.52	-2476	56165	61260	1.09	Si
SLV 3	3	0.46	10.15	-4550	56165	102039	1.82	Si
SLV 4	3	0.46	10.15	-4550	56165	102039	1.82	Si
SLV 15	3	0.46	18.94	-8493	56165	153126	2.73	Si
SLV 16	3	0.46	18.94	-8493	56165	153126	2.73	Si
SLV 2	3	0.46	19.01	-8524	56165	153392	2.73	Si
SLV 1	3	0.46	19.01	-8524	56165	153392	2.73	Si

Maschio 57

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
4049.7	3538.4	4199.5	3538.4	L3	L4	149.8	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 35	408	-2951	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 35	193	-7887	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 35	-22	-8060	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 36	408	-3526	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 36	193	-8035	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 36	-22	-8051	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 33	408	-2858	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 33	193	-7817	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 33	-22	-8035	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 34	408	-3433	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 34	193	-7966	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 34	-22	-8025	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 26	408	-2464	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 26	193	-7611	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 26	-22	-7971	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 31	408	-2827	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 31	193	-7717	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 31	-22	-7969	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 27	408	-3039	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 27	193	-7759	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 27	-22	-7961	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 32	408	-3401	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 32	193	-7866	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 32	-22	-7960	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 24	408	-2371	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 24	193	-7541	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 24	-22	-7945	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 25	408	-2946	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 25	193	-7690	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si
SLU 25	-22	-7935	0	1	0	0	2.03	0	2.03	0.8	1	16368	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 7	10	-5430	-1065315	0	0	0	No
SLV 7	250	-966	1251861	0	0	0	No
SLV 13	10	-13889	2668318	0	0	0	No
SLV 13	250	-10632	-3270690	0	0	0	No
SLV 8	10	-5430	-1065315	0	0	0	No
SLV 8	250	-966	1251861	0	0	0	No
SLV 10	10	-12303	1116994	0	0	0	No
SLV 10	250	-9609	-1519583	0	0	0	No
SLV 9	10	-12303	1116994	0	0	0	No
SLV 9	250	-9609	-1519583	0	0	0	No
SLV 14	10	-13889	2668318	0	0	0	No
SLV 14	250	-10632	-3270690	0	0	0	No
SLV 11	10	-8061	461146	0.98	378621	0.821	No
SLV 11	250	-3635	-542279	0	0	0	No
SLD 1	10	-7207	-1056375	0	0	0	No
SLD 1	250	-3716	1124506	0	0	0	No
SLV 4	10	-3844	-2616639	0	0	0	No
SLV 4	250	56	3002967	0	0	0	No
SLV 12	10	-8061	461146	0.98	378621	0.821	No
SLV 12	250	-3635	-542279	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 19	10	-11219	909	44810	1.36	1.36	149.8	0.23	1903		2.09	Si
SLU 19	250	-6566	909	-173199	0.8	0.82	145.58	0.16	1271		1.4	Si
SLU 22	10	-11358	903	42518	1.38	1.38	149.8	0.23	1921		2.13	Si

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 22	250	-6705	903	-173849	0.81	0.83	146.92	0.16	1293		1.43	Si
SLU 27	10	-11675	884	34349	1.42	1.42	149.8	0.24	1964		2.22	Si
SLU 27	250	-7023	884	-177588	0.85	0.86	148.85	0.16	1341		1.52	Si
SLU 26	10	-11527	931	43970	1.4	1.4	149.8	0.24	1944		2.09	Si
SLU 26	250	-6874	931	-179185	0.83	0.85	146.51	0.16	1315		1.41	Si
SLU 25	10	-11606	888	35494	1.41	1.41	149.8	0.24	1954		2.2	Si
SLU 25	250	-6954	888	-177263	0.84	0.85	148.23	0.16	1330		1.5	Si
SLU 24	10	-11457	934	45116	1.39	1.39	149.8	0.23	1935		2.07	Si
SLU 24	250	-6805	934	-178860	0.83	0.85	145.86	0.16	1303		1.4	Si
SLU 31	10	-11634	891	36819	1.41	1.41	149.8	0.24	1958		2.2	Si
SLU 31	250	-6981	891	-176659	0.85	0.85	148.79	0.16	1335		1.5	Si
SLU 28	10	-11495	897	39110	1.4	1.4	149.8	0.24	1940		2.16	Si
SLU 28	250	-6842	897	-176008	0.83	0.84	147.54	0.16	1313		1.46	Si
SLU 35	10	-11803	919	38271	1.43	1.43	149.8	0.24	1981		2.16	Si
SLU 35	250	-7150	919	-181994	0.87	0.88	148.35	0.17	1356		1.48	Si
SLU 33	10	-11734	922	39417	1.42	1.42	149.8	0.24	1971		2.14	Si
SLU 33	250	-7081	922	-181669	0.86	0.87	147.74	0.17	1345		1.46	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 14	10	-13889	25510	2668318	1.69	0	0	0.06	0		0	No
SLV 14	250	-10632	23612	-3270690	1.29	0	0	0.06	0		0	No
SLV 8	10	-5430	-8236	-1065315	0.66	0	0	0.06	0		0	No
SLV 8	250	-966	-9049	1251861	0.12	0	0	0.06	0		0	No
SLV 13	10	-13889	25510	2668318	1.69	0	0	0.06	0		0	No
SLV 13	250	-10632	23612	-3270690	1.29	0	0	0.06	0		0	No
SLV 12	10	-8061	6384	461146	0.98	2.76	53.09	0.52	1524		0.24	No
SLV 12	250	-3635	4158	-542279	0.44	0	0	0.06	0		0	No
SLD 1	10	-7207	-9904	-1056375	0.87	0	0	0.1	0		0	No
SLD 1	250	-3716	-8662	1124506	0.45	0	0	0.1	0		0	No
SLV 11	10	-8061	6384	461146	0.98	2.76	53.09	0.52	1524		0.24	No
SLV 11	250	-3635	4158	-542279	0.44	0	0	0.06	0		0	No
SLV 7	10	-5430	-8236	-1065315	0.66	0	0	0.06	0		0	No
SLV 7	250	-966	-9049	1251861	0.12	0	0	0.06	0		0	No
SLV 4	10	-3844	-24178	-2616639	0.47	0	0	0.06	0		0	No
SLV 4	250	56	-22279	3002967	-0.01	0	0	0.06	0		0	No
SLV 9	10	-12303	9568	1116994	1.49	0	0	0.06	0		0	No
SLV 9	250	-9609	10381	-1519583	1.17	0	0	0.06	0		0	No
SLV 10	10	-12303	9568	1116994	1.49	0	0	0.06	0		0	No
SLV 10	250	-9609	10381	-1519583	1.17	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 4	3	0.46	1.56	-614	49227	16401	0.33	No
SLV 3	3	0.46	1.56	-614	49227	16401	0.33	No
SLV 7	3	0.46	4.36	-1714	49227	43388	0.88	No
SLV 8	3	0.46	4.36	-1714	49227	43388	0.88	No
SLV 2	3	0.46	5.87	-2307	49227	56677	1.15	Si
SLV 1	3	0.46	5.87	-2307	49227	56677	1.15	Si
SLV 11	3	0.46	11.07	-4350	49227	95546	1.94	Si
SLV 12	3	0.46	11.07	-4350	49227	95546	1.94	Si
SLV 6	3	0.46	18.72	-7358	49227	133469	2.71	Si
SLV 5	3	0.46	18.72	-7358	49227	133469	2.71	Si

Maschio 58

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
4339.5	3538.4	4510.7	3538.4	L3	L4	171.2	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 36	408	-3993	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 36	193	-8577	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 36	-22	-9752	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 35	408	-3424	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 35	193	-8414	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 35	-22	-9731	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 34	408	-3899	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 34	193	-8500	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 34	-22	-9711	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 33	408	-3330	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 33	193	-8337	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 33	-22	-9689	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 32	408	-3861	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 32	193	-8399	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 32	-22	-9639	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 31	408	-3292	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 31	193	-8236	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 31	-22	-9618	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 27	408	-3501	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 27	193	-8278	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 27	-22	-9612	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 30	408	-4011	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 30	193	-8393	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 30	-22	-9607	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 26	408	-2932	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 26	193	-8115	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 26	-22	-9590	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 25	408	-3407	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 25	193	-8201	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si
SLU 25	-22	-9570	0	1	0	0	2.03	0	2.03	0.8	1	18710	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 8	10	-6389	-1273349	0	0	0	No
SLV 8	250	-2998	1230266	0	0	0	No
SLV 9	10	-13040	1775342	0	0	0	No
SLV 9	250	-8231	-1972131	0	0	0	No
SLD 1	10	-10337	-943254	0	0	0	No
SLD 1	250	-6026	1171322	0	0	0	No
SLV 11	10	-6164	464053	0.65	396119	0.854	No
SLV 11	250	-2919	-952608	0	0	0	No
SLV 4	10	-9057	-2841366	0	0	0	No
SLV 4	250	-4950	3420120	0	0	0	No
SLV 10	10	-13040	1775342	0	0	0	No
SLV 10	250	-8231	-1972131	0	0	0	No
SLV 14	10	-10372	3343360	0	0	0	No
SLV 14	250	-6279	-4161985	0	0	0	No
SLV 13	10	-10372	3343360	0	0	0	No
SLV 13	250	-6279	-4161985	0	0	0	No
SLV 7	10	-6389	-1273349	0	0	0	No
SLV 7	250	-2998	1230266	0	0	0	No
SLV 12	10	-6164	464053	0.65	396119	0.854	No
SLV 12	250	-2919	-952608	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 2	10	-9769	2756	266837	1.04	1.04	171.24	0.19	1768		0.64	No
SLU 2	250	-5669	2756	-394685	0.6	2.15	48	0.34	886		0.32	No
SLU 14	10	-10151	2895	279788	1.08	1.08	171.24	0.19	1819		0.63	No
SLU 14	250	-6051	2895	-415094	0.64	2.15	51.07	0.34	946		0.33	No
SLU 20	10	-12527	3406	330006	1.33	1.33	171.24	0.23	2135		0.63	No
SLU 20	250	-7197	3406	-487660	0.76	2.44	53.6	0.37	1105		0.32	No
SLU 21	10	-12604	3434	332534	1.34	1.34	171.24	0.23	2146		0.62	No
SLU 21	250	-7274	3434	-491844	0.77	2.45	54.01	0.38	1117		0.33	No
SLU 11	10	-10068	2949	285288	1.07	1.07	171.24	0.19	1807		0.61	No
SLU 11	250	-5968	2949	-422590	0.63	2.44	44.43	0.38	916		0.31	No
SLU 3	10	-9846	2784	269365	1.05	1.05	171.24	0.19	1778		0.64	No
SLU 3	250	-5746	2784	-398868	0.61	2.15	48.6	0.34	898		0.32	No
SLU 12	10	-10144	2977	287816	1.08	1.08	171.24	0.19	1818		0.61	No
SLU 12	250	-6044	2977	-426773	0.64	2.44	45.04	0.37	928		0.31	No
SLU 32	10	-12909	3545	342957	1.37	1.37	171.24	0.23	2186		0.62	No
SLU 32	250	-7579	3545	-508069	0.8	2.47	55.76	0.38	1162		0.33	No
SLU 30	10	-12903	3628	350985	1.37	1.37	171.24	0.23	2185		0.6	No
SLU 30	250	-7573	3628	-519749	0.8	2.7	50.96	0.41	1148		0.32	No
SLU 29	10	-12826	3600	348457	1.36	1.36	171.24	0.23	2175		0.6	No
SLU 29	250	-7496	3600	-515565	0.8	2.7	50.53	0.41	1137		0.32	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 14	10	-10372	32138	3343360	1.1	0	0	0.06	0		0	No
SLV 14	250	-6279	29487	-4161985	0.67	0	0	0.06	0		0	No
SLV 4	10	-9057	-26956	-2841366	0.96	0	0	0.06	0		0	No
SLV 4	250	-4950	-24305	3420120	0.53	0	0	0.06	0		0	No
SLV 10	10	-13040	14316	1775342	1.38	0	0	0.06	0		0	No
SLV 10	250	-8231	13636	-1972131	0.87	0	0	0.06	0		0	No
SLD 1	10	-10337	-9647	-943254	1.1	0	0	0.1	0		0	No
SLD 1	250	-6026	-8443	1171322	0.64	0	0	0.1	0		0	No
SLV 11	10	-6164	8028	464053	0.65	3.61	31.02	0.66	1133		0.14	No
SLV 11	250	-2919	7094	-952608	0.31	0	0	0.06	0		0	No
SLV 12	10	-6164	8028	464053	0.65	3.61	31.02	0.66	1133		0.14	No
SLV 12	250	-2919	7094	-952608	0.31	0	0	0.06	0		0	No
SLV 7	10	-6389	-9134	-1273349	0.68	0	0	0.06	0		0	No
SLV 7	250	-2998	-8454	1230266	0.32	0	0	0.06	0		0	No
SLV 9	10	-13040	14316	1775342	1.38	0	0	0.06	0		0	No
SLV 9	250	-8231	13636	-1972131	0.87	0	0	0.06	0		0	No
SLV 8	10	-6389	-9134	-1273349	0.68	0	0	0.06	0		0	No
SLV 8	250	-2998	-8454	1230266	0.32	0	0	0.06	0		0	No
SLV 13	10	-10372	32138	3343360	1.1	0	0	0.06	0		0	No
SLV 13	250	-6279	29487	-4161985	0.67	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 8	3	0.46	4.89	-2199	56271	55083	0.98	No
SLV 7	3	0.46	4.89	-2199	56271	55083	0.98	No
SLV 12	3	0.46	4.97	-2235	56271	55900	0.99	No
SLV 11	3	0.46	4.97	-2235	56271	55900	0.99	No
SLV 4	3	0.46	11.08	-4976	56271	109287	1.94	Si
SLV 3	3	0.46	11.08	-4976	56271	109287	1.94	Si
SLV 16	3	0.46	11.35	-5097	56271	111255	1.98	Si
SLV 15	3	0.46	11.35	-5097	56271	111255	1.98	Si
SLV 1	3	0.46	16.46	-7393	56271	142481	2.53	Si
SLV 2	3	0.46	16.46	-7393	56271	142481	2.53	Si

Maschio 59

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
4640.7	3538.4	4824.5	3538.5	L3	L4	183.7	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	408	4996	0	1	0	0	2.03	0	0	0	0	0	No
SLU 1	193	-8333	0	1	0	0	2.03	0	2.03	0.8	1	20075	Si
SLU 1	-22	-11267	0	1	0	0	2.03	0	2.03	0.8	1	20075	Si
SLU 21	408	7169	0	1	0	0	2.03	0	0	0	0	0	No
SLU 21	193	-11404	0	1	0	0	2.03	0	2.03	0.8	1	20075	Si
SLU 21	-22	-15282	0	1	0	0	2.03	0	2.03	0.8	1	20075	Si
SLU 22	408	6451	0	1	0	0	2.03	0	0	0	0	0	No
SLU 22	193	-10853	0	1	0	0	2.03	0	2.03	0.8	1	20075	Si
SLU 22	-22	-14647	0	1	0	0	2.03	0	2.03	0.8	1	20075	Si
SLU 23	408	6951	0	1	0	0	2.03	0	0	0	0	0	No
SLU 23	193	-11305	0	1	0	0	2.03	0	2.03	0.8	1	20075	Si
SLU 23	-22	-15145	0	1	0	0	2.03	0	2.03	0.8	1	20075	Si
SLU 24	408	6267	0	1	0	0	2.03	0	0	0	0	0	No
SLU 24	193	-10969	0	1	0	0	2.03	0	2.03	0.8	1	20075	Si
SLU 24	-22	-14711	0	1	0	0	2.03	0	2.03	0.8	1	20075	Si
SLU 25	408	6768	0	1	0	0	2.03	0	0	0	0	0	No
SLU 25	193	-11421	0	1	0	0	2.03	0	2.03	0.8	1	20075	Si
SLU 25	-22	-15209	0	1	0	0	2.03	0	2.03	0.8	1	20075	Si
SLU 26	408	6264	0	1	0	0	2.03	0	0	0	0	0	No
SLU 26	193	-11064	0	1	0	0	2.03	0	2.03	0.8	1	20075	Si
SLU 26	-22	-14787	0	1	0	0	2.03	0	2.03	0.8	1	20075	Si
SLU 20	408	7173	0	1	0	0	2.03	0	0	0	0	0	No
SLU 20	193	-11309	0	1	0	0	2.03	0	2.03	0.8	1	20075	Si
SLU 20	-22	-15205	0	1	0	0	2.03	0	2.03	0.8	1	20075	Si
SLU 27	408	6764	0	1	0	0	2.03	0	0	0	0	0	No
SLU 27	193	-11516	0	1	0	0	2.03	0	2.03	0.8	1	20075	Si
SLU 27	-22	-15285	0	1	0	0	2.03	0	2.03	0.8	1	20075	Si
SLU 29	408	7283	0	1	0	0	2.03	0	0	0	0	0	No
SLU 29	193	-11804	0	1	0	0	2.03	0	2.03	0.8	1	20075	Si
SLU 29	-22	-15651	0	1	0	0	2.03	0	2.03	0.8	1	20075	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 4	10	-8771	-3027973	0	0	0	No
SLV 4	250	-4590	3883017	0	0	0	No
SLD 1	10	-12673	-1223108	0	0	0	No
SLD 1	250	-8068	1486582	0	0	0	No
SLV 10	10	-19858	1216150	1.97	457821	0.376	No
SLV 10	250	-14438	-1844681	0	0	0	No
SLV 11	10	-6185	971196	0	0	0	No
SLV 11	250	-2484	-885321	0	0	0	No
SLV 12	10	-6185	971196	0	0	0	No
SLV 12	250	-2484	-885321	0	0	0	No
SLV 13	10	-16257	3329979	0	0	0	No
SLV 13	250	-11372	-4257274	0	0	0	No
SLV 9	10	-19858	1216150	1.97	457821	0.376	No
SLV 9	250	-14438	-1844681	0	0	0	No
SLV 7	10	-5170	-914144	0	0	0	No
SLV 7	250	-1525	1470424	0	0	0	No
SLV 8	10	-5170	-914144	0	0	0	No
SLV 8	250	-1525	1470424	0	0	0	No
SLV 14	10	-16257	3329979	0	0	0	No
SLV 14	250	-11372	-4257274	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 11	10	-13256	1650	176456	1.31	1.31	183.73	0.22	2266		1.37	Si
SLU 11	250	-8723	1650	-219445	0.86	0.86	183.73	0.16	1662		1.01	Si
SLU 34	10	-16833	2013	215283	1.67	1.67	183.73	0.27	2743		1.36	Si
SLU 34	250	-10940	2013	-267685	1.08	1.08	183.73	0.19	1958		0.97	No
SLU 12	10	-13351	1678	179465	1.32	1.32	183.73	0.23	2279		1.36	Si
SLU 12	250	-8819	1678	-223044	0.87	0.87	183.73	0.17	1675		1	No
SLU 32	10	-16717	1971	211107	1.65	1.65	183.73	0.27	2728		1.38	Si
SLU 32	250	-10824	1971	-261630	1.07	1.07	183.73	0.19	1942		0.99	No
SLU 18	10	-13464	1710	182677	1.33	1.33	183.73	0.23	2294		1.34	Si
SLU 18	250	-8931	1710	-227492	0.88	0.88	183.73	0.17	1690		0.99	No
SLU 16	10	-13368	1682	179668	1.32	1.32	183.73	0.23	2281		1.36	Si
SLU 16	250	-8836	1682	-223893	0.87	0.87	183.73	0.17	1677		1	No
SLU 30	10	-16815	2009	215079	1.66	1.66	183.73	0.27	2741		1.36	Si
SLU 30	250	-10923	2009	-266836	1.08	1.08	183.73	0.19	1955		0.97	No
SLU 27	10	-16432	1888	202206	1.63	1.63	183.73	0.27	2690		1.42	Si
SLU 27	250	-10540	1888	-250692	1.04	1.04	183.73	0.19	1904		1.01	Si
SLU 29	10	-16720	1982	212070	1.65	1.65	183.73	0.27	2728		1.38	Si
SLU 29	250	-10828	1982	-263237	1.07	1.07	183.73	0.19	1943		0.98	No
SLU 36	10	-16928	2041	218292	1.68	1.68	183.73	0.27	2756		1.35	Si
SLU 36	250	-11035	2041	-271284	1.09	1.09	183.73	0.19	1970		0.97	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 14	10	-16257	32487	3329979	1.61	0	0	0.06	0		0	No
SLV 14	250	-11372	30534	-4257274	1.13	0	0	0.06	0		0	No
SLV 8	10	-5170	-7870	-914144	0.51	0	0	0.06	0		0	No
SLV 8	250	-1525	-10398	1470424	0.15	0	0	0.06	0		0	No
SLD 1	10	-12673	-12353	-1223108	1.25	0	0	0.1	0		0	No
SLD 1	250	-8068	-10583	1486582	0.8	0	0	0.1	0		0	No

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 10	10	-19858	10689	1216150	1.97	3.93	91.87	0.72	3622		0.34	No
SLV 10	250	-14438	13217	-1844681	1.43	0	0	0.06	0		0	No
SLV 9	10	-19858	10689	1216150	1.97	3.93	91.87	0.72	3622		0.34	No
SLV 9	250	-14438	13217	-1844681	1.43	0	0	0.06	0		0	No
SLV 7	10	-5170	-7870	-914144	0.51	0	0	0.06	0		0	No
SLV 7	250	-1525	-10398	1470424	0.15	0	0	0.06	0		0	No
SLV 4	10	-8771	-29667	-3027973	0.87	0	0	0.06	0		0	No
SLV 4	250	-4590	-27715	3883017	0.45	0	0	0.06	0		0	No
SLV 11	10	-6185	10785	971196	0.61	0	0	0.06	0		0	No
SLV 11	250	-2484	6469	-885321	0.25	0	0	0.06	0		0	No
SLV 12	10	-6185	10785	971196	0.61	0	0	0.06	0		0	No
SLV 12	250	-2484	6469	-885321	0.25	0	0	0.06	0		0	No
SLV 13	10	-16257	32487	3329979	1.61	0	0	0.06	0		0	No
SLV 13	250	-11372	30534	-4257274	1.13	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 8	3	0.46	0	687	60377	0	0	No
SLV 7	3	0.46	0	687	60377	0	0	No
SLV 12	3	0.46	0.56	-268	60377	7308	0.12	No
SLV 11	3	0.46	0.56	-268	60377	7308	0.12	No
SLV 3	3	0.46	9.25	-4458	60377	101981	1.69	Si
SLV 4	3	0.46	9.25	-4458	60377	101981	1.69	Si
SLV 15	3	0.46	15.85	-7642	60377	149579	2.48	Si
SLV 16	3	0.46	15.85	-7642	60377	149579	2.48	Si
SLV 9	3	0.46	37.66	-18152	60377	157392	2.61	Si
SLV 10	3	0.46	37.66	-18152	60377	157392	2.61	Si

Maschio 60

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
4954.5	3538.5	5087.8	3538.5	L3	L4	133.4	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 36	408	-2966	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 36	193	-6841	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 36	-22	-6191	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 34	408	-2839	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 34	193	-6783	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 34	-22	-6182	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 35	408	-2376	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 35	193	-6781	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 35	-22	-6288	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 33	408	-2249	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 33	193	-6723	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 33	-22	-6279	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 32	408	-2845	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 32	193	-6696	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 32	-22	-6126	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 30	408	-2971	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 30	193	-6664	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 30	-22	-6075	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 27	408	-2443	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 27	193	-6641	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 27	-22	-6182	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 31	408	-2254	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 31	193	-6636	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 31	-22	-6223	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 29	408	-2845	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 29	193	-6606	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 29	-22	-6066	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 25	408	-2316	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 25	193	-6584	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si
SLU 25	-22	-6173	0	1	0	0	2.03	0	2.03	0.8	1	14570	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 4	10	-836	-1947912	0	0	0	No
SLV 4	250	1771	2211844	0	0	0	No
SLV 13	10	-14544	1738511	0	0	0	No
SLV 13	250	-10553	-2064368	0	0	0	No
SLD 1	10	-7148	-928617	0	0	0	No
SLD 1	250	-3674	998330	0	0	0	No
SLV 7	10	2906	-629080	0	0	0	No
SLV 7	250	4346	788999	0	0	0	No
SLV 14	10	-14544	1738511	0	0	0	No
SLV 14	250	-10553	-2064368	0	0	0	No
SLV 2	10	-6466	-1966758	0	0	0	No
SLV 2	250	-2771	2163166	0	0	0	No
SLV 12	10	482	482501	0	0	0	No
SLV 12	250	2012	-479262	0	0	0	No
SLV 3	10	-836	-1947912	0	0	0	No
SLV 3	250	1771	2211844	0	0	0	No
SLV 11	10	482	482501	0	0	0	No
SLV 11	250	2012	-479262	0	0	0	No

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 8	10	2906	-629080	0	0	0	No
SLV 8	250	4346	788999	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 29	10	-10094	-982	-139787	1.38	1.38	133.35	0.23	1708		1.74	Si
SLU 29	250	-5806	-982	95653	0.79	0.79	133.35	0.15	1136		1.16	Si
SLU 30	10	-10152	-973	-139492	1.38	1.38	133.35	0.23	1716		1.76	Si
SLU 30	250	-5864	-973	93633	0.8	0.8	133.35	0.16	1144		1.18	Si
SLU 19	10	-9809	-962	-132118	1.34	1.34	133.35	0.23	1670		1.74	Si
SLU 19	250	-5521	-962	98428	0.75	0.75	133.35	0.15	1098		1.14	Si
SLU 25	10	-10072	-937	-133255	1.37	1.37	133.35	0.23	1705		1.82	Si
SLU 25	250	-5784	-937	91264	0.79	0.79	133.35	0.15	1133		1.21	Si
SLU 28	10	-10009	-938	-132140	1.36	1.36	133.35	0.23	1697		1.81	Si
SLU 28	250	-5721	-938	92635	0.78	0.78	133.35	0.15	1125		1.2	Si
SLU 20	10	-9895	-1006	-139765	1.35	1.35	133.35	0.23	1682		1.67	Si
SLU 20	250	-5607	-1006	101446	0.76	0.76	133.35	0.15	1110		1.1	Si
SLU 22	10	-9925	-943	-131527	1.35	1.35	133.35	0.23	1686		1.79	Si
SLU 22	250	-5637	-943	94387	0.77	0.77	133.35	0.15	1114		1.18	Si
SLU 21	10	-9953	-997	-139470	1.36	1.36	133.35	0.23	1689		1.69	Si
SLU 21	250	-5665	-997	99426	0.77	0.77	133.35	0.15	1118		1.12	Si
SLU 32	10	-10184	-950	-136902	1.39	1.39	133.35	0.23	1720		1.81	Si
SLU 32	250	-5896	-950	90707	0.8	0.8	133.35	0.16	1148		1.21	Si
SLU 23	10	-9985	-974	-136880	1.36	1.36	133.35	0.23	1694		1.74	Si
SLU 23	250	-5697	-974	96500	0.78	0.78	133.35	0.15	1122		1.15	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 13	10	-14544	16653	1738511	1.98	0	0	0.06	0		0	No
SLV 13	250	-10553	15001	-2064368	1.44	0	0	0.06	0		0	No
SLV 7	10	2906	-4661	-629080	-0.4	0	0	0.06	0		0	No
SLV 7	250	4346	-5877	788999	-0.59	0	0	0.06	0		0	No
SLV 4	10	-836	-18142	-1947912	0.11	0	0	0.06	0		0	No
SLV 4	250	1771	-16490	2211844	-0.24	0	0	0.06	0		0	No
SLV 8	10	2906	-4661	-629080	-0.4	0	0	0.06	0		0	No
SLV 8	250	4346	-5877	788999	-0.59	0	0	0.06	0		0	No
SLV 2	10	-6466	-19001	-1966758	0.88	0	0	0.06	0		0	No
SLV 2	250	-2771	-16221	2163166	0.38	0	0	0.06	0		0	No
SLV 3	10	-836	-18142	-1947912	0.11	0	0	0.06	0		0	No
SLV 3	250	1771	-16490	2211844	-0.24	0	0	0.06	0		0	No
SLV 12	10	482	6036	482501	-0.07	0	0	0.06	0		0	No
SLV 12	250	2012	3490	-479262	-0.27	0	0	0.06	0		0	No
SLD 1	10	-7148	-8821	-928617	0.97	0	0	0.1	0		0	No
SLD 1	250	-3674	-7593	998330	0.5	0	0	0.1	0		0	No
SLV 14	10	-14544	16653	1738511	1.98	0	0	0.06	0		0	No
SLV 14	250	-10553	15001	-2064368	1.44	0	0	0.06	0		0	No
SLV 11	10	482	6036	482501	-0.07	0	0	0.06	0		0	No
SLV 11	250	2012	3490	-479262	-0.27	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 7	3	0.46	0	3084	43821	0	0	No
SLV 3	3	0.46	0	1074	43821	0	0	No
SLV 12	3	0.46	0	676	43821	0	0	No
SLV 11	3	0.46	0	676	43821	0	0	No
SLV 4	3	0.46	0	1074	43821	0	0	No
SLV 8	3	0.46	0	3084	43821	0	0	No
SLV 1	3	0.46	8.74	-3058	43821	70730	1.61	Si
SLV 2	3	0.46	8.74	-3058	43821	70730	1.61	Si
SLV 9	3	0.46	37.44	-13097	43821	115017	2.62	Si
SLV 10	3	0.46	37.44	-13097	43821	115017	2.62	Si

Maschio 61

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
5227.8	3538.5	5374.8	3538.5	L3	L4	146.9	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	408	-1017	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 30	193	-10034	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 30	-22	-9254	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 36	408	-856	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 36	193	-10004	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 36	-22	-9309	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 29	408	-1038	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 29	193	-10001	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 29	-22	-9226	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 34	408	-877	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 34	193	-9970	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 34	-22	-9281	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 32	408	-833	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 32	193	-9867	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 32	-22	-9216	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 21	408	-810	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 21	193	-9646	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 21	-22	-9074	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 27	408	-649	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 27	193	-9615	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 27	-22	-9129	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 20	408	-831	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 20	193	-9613	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 20	-22	-9047	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 25	408	-670	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 25	193	-9582	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 25	-22	-9102	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 35	408	-475	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 35	193	-9537	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si
SLU 35	-22	-9157	0	1	0	0	2.03	0	2.03	0.8	1	16053	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 11	10	-11559	1093385	0	0	0	No
SLV 11	250	-10780	-921445	0	0	0	No
SLV 4	10	161	-1728086	0	0	0	No
SLV 4	250	2825	1841472	0	0	0	No
SLV 2	10	-749	-2009774	0	0	0	No
SLV 2	250	3628	2043457	0	0	0	No
SLV 6	10	-8695	-996113	0	0	0	No
SLV 6	250	-2256	918271	0	0	0	No
SLV 12	10	-11559	1093385	0	0	0	No
SLV 12	250	-10780	-921445	0	0	0	No
SLV 13	10	-20415	1825358	0	0	0	No
SLV 13	250	-15861	-1844645	0	0	0	No
SLV 5	10	-8695	-996113	0	0	0	No
SLV 5	250	-2256	918271	0	0	0	No
SLV 3	10	161	-1728086	0	0	0	No
SLV 3	250	2825	1841472	0	0	0	No
SLD 1	10	-5975	-862090	0	0	0	No
SLD 1	250	-2027	903264	0	0	0	No
SLV 14	10	-20415	1825358	0	0	0	No
SLV 14	250	-15861	-1844645	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 11	10	-10805	601	101763	1.34	1.34	146.93	0.23	1840		3.06	Si
SLU 11	250	-7196	601	-42795	0.89	0.89	146.93	0.17	1358		2.26	Si
SLU 2	10	-10416	395	75760	1.29	1.29	146.93	0.22	1788		4.53	Si
SLU 2	250	-6808	395	-19250	0.84	0.84	146.93	0.16	1307		3.31	Si
SLU 18	10	-10807	572	92161	1.34	1.34	146.93	0.23	1840		3.21	Si
SLU 18	250	-7199	572	-45438	0.89	0.89	146.93	0.17	1359		2.37	Si
SLU 36	10	-13599	497	88697	1.68	1.68	146.93	0.27	2212		4.45	Si
SLU 36	250	-8908	497	-30946	1.1	1.1	146.93	0.2	1587		3.19	Si
SLU 30	10	-13629	549	99727	1.69	1.69	146.93	0.27	2216		4.04	Si
SLU 30	250	-8938	549	-32208	1.11	1.11	146.93	0.2	1591		2.9	Si
SLU 16	10	-10774	550	90733	1.33	1.33	146.93	0.23	1836		3.34	Si
SLU 16	250	-7165	550	-41532	0.89	0.89	146.93	0.17	1354		2.46	Si
SLU 3	10	-10449	417	77187	1.29	1.29	146.93	0.22	1792		4.3	Si
SLU 3	250	-6841	417	-23156	0.85	0.85	146.93	0.16	1311		3.14	Si
SLU 14	10	-10671	523	87342	1.32	1.32	146.93	0.23	1822		3.48	Si
SLU 14	250	-7062	523	-38411	0.87	0.87	146.93	0.17	1341		2.56	Si
SLU 12	10	-10838	624	103191	1.34	1.34	146.93	0.23	1844		2.96	Si
SLU 12	250	-7229	624	-46701	0.89	0.89	146.93	0.17	1363		2.19	Si
SLU 29	10	-13596	526	98299	1.68	1.68	146.93	0.27	2212		4.2	Si
SLU 29	250	-8905	526	-28302	1.1	1.1	146.93	0.2	1586		3.01	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 3	10	161	-16469	-1728086	-0.02	0	0	0.06	0		0	No
SLV 3	250	2825	-14059	1841472	-0.35	0	0	0.06	0		0	No
SLV 14	10	-20415	16886	1825358	2.53	0	0	0.06	0		0	No
SLV 14	250	-15861	14475	-1844645	1.96	0	0	0.06	0		0	No
SLV 13	10	-20415	16886	1825358	2.53	0	0	0.06	0		0	No
SLV 13	250	-15861	14475	-1844645	1.96	0	0	0.06	0		0	No
SLV 11	10	-11559	7079	1093385	1.43	0	0	0.06	0		0	No
SLV 11	250	-10780	7755	-921445	1.33	0	0	0.06	0		0	No
SLV 2	10	-749	-17497	-2009774	0.09	0	0	0.06	0		0	No
SLV 2	250	3628	-15857	2043457	-0.45	0	0	0.06	0		0	No
SLV 6	10	-8695	-6662	-996113	1.08	0	0	0.06	0		0	No
SLV 6	250	-2256	-7339	918271	0.28	0	0	0.06	0		0	No
SLD 1	10	-5975	-7625	-862090	0.74	0	0	0.1	0		0	No
SLD 1	250	-2027	-6900	903264	0.25	0	0	0.1	0		0	No
SLV 5	10	-8695	-6662	-996113	1.08	0	0	0.06	0		0	No
SLV 5	250	-2256	-7339	918271	0.28	0	0	0.06	0		0	No
SLV 4	10	161	-16469	-1728086	-0.02	0	0	0.06	0		0	No
SLV 4	250	2825	-14059	1841472	-0.35	0	0	0.06	0		0	No
SLV 12	10	-11559	7079	1093385	1.43	0	0	0.06	0		0	No
SLV 12	250	-10780	7755	-921445	1.33	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 4	3	0.46	0	1850	48281	0	0	No
SLV 1	3	0.46	0	3450	48281	0	0	No
SLV 2	3	0.46	0	3450	48281	0	0	No
SLV 3	3	0.46	0	1850	48281	0	0	No
SLV 6	3	0.46	4.39	-1691	48281	42794	0.89	No
SLV 5	3	0.46	4.39	-1691	48281	42794	0.89	No
SLV 15	3	0.46	47.15	-18173	48281	71367	1.48	Si
SLV 16	3	0.46	47.15	-18173	48281	71367	1.48	Si
SLV 14	3	0.46	42.99	-16572	48281	99482	2.06	Si

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 13	3	0.46	42.99	-16572	48281	99482	2.06	Si

Maschio 62

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
5504.8	3538.5	5603.7	3538.5	L3	L4	98.9	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 29	408	-5821	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 29	193	-9300	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 29	-22	-9306	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 30	408	-5861	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 30	193	-9306	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 30	-22	-9270	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 36	408	-5900	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 36	193	-9269	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 36	-22	-9211	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 34	408	-5860	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 34	193	-9264	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 34	-22	-9247	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 20	408	-5552	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 20	193	-9023	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 20	-22	-9177	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 32	408	-5787	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 32	193	-9162	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 32	-22	-9147	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 21	408	-5592	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 21	193	-9028	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 21	-22	-9141	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 25	408	-5591	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 25	193	-8986	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 25	-22	-9119	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 27	408	-5631	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 27	193	-8991	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 27	-22	-9082	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 33	408	-5594	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 33	193	-8917	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si
SLU 33	-22	-9047	0	1	0	0	2.03	0	2.03	0.8	1	10810	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 32	10	-9864	463	-169118	1.81	1.85	96.97	0.3	1579		3.41	Si
SLU 32	250	-8259	-11	-85812	1.52	1.52	98.93	0.25	1370		123.6	Si
SLU 27	10	-9748	454	-160840	1.79	1.79	98.91	0.29	1568		3.45	Si
SLU 27	250	-8084	-12	-80220	1.49	1.49	98.93	0.25	1347		112.38	Si
SLU 29	10	-10067	464	-172650	1.85	1.89	96.95	0.3	1606		3.46	Si
SLU 29	250	-8395	-10	-92799	1.54	1.54	98.93	0.26	1388		138.26	Si
SLU 34	10	-9975	467	-169843	1.83	1.86	97.32	0.3	1594		3.41	Si
SLU 34	250	-8359	-11	-87099	1.54	1.54	98.93	0.25	1383		124.18	Si
SLU 31	10	-9564	448	-154885	1.76	1.76	98.93	0.28	1544		3.45	Si
SLU 31	250	-7907	-13	-73678	1.45	1.45	98.93	0.24	1323		102.15	Si
SLU 18	10	-7808	376	-141064	1.43	1.51	94.2	0.25	1297		3.44	Si
SLU 18	250	-6685	-8	-71752	1.23	1.23	98.93	0.21	1160		145.51	Si
SLU 30	10	-10030	467	-173934	1.84	1.89	96.38	0.3	1599		3.43	Si
SLU 30	250	-8402	-10	-91906	1.54	1.54	98.93	0.26	1389		136.7	Si
SLU 36	10	-9938	470	-171127	1.83	1.87	96.74	0.3	1588		3.38	Si
SLU 36	250	-8366	-11	-86206	1.54	1.54	98.93	0.25	1384		122.92	Si
SLU 35	10	-9638	455	-156894	1.77	1.77	98.93	0.29	1554		3.41	Si
SLU 35	250	-8014	-13	-74072	1.47	1.47	98.93	0.25	1337		101.86	Si
SLU 33	10	-9675	452	-155610	1.78	1.78	98.93	0.29	1559		3.45	Si
SLU 33	250	-8007	-13	-74965	1.47	1.47	98.93	0.25	1336		102.74	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 1	3	0.46	4.54	-1178	32511	29725	0.91	No
SLV 2	3	0.46	4.54	-1178	32511	29725	0.91	No
SLV 15	3	0.46	48.71	-12642	32511	39784	1.22	Si
SLV 16	3	0.46	48.71	-12642	32511	39784	1.22	Si
SLV 3	3	0.46	6.84	-1775	32511	42742	1.31	Si
SLV 4	3	0.46	6.84	-1775	32511	42742	1.31	Si
SLV 13	3	0.46	46.41	-12045	32511	51754	1.59	Si
SLV 14	3	0.46	46.41	-12045	32511	51754	1.59	Si
SLV 5	3	0.46	16.51	-4285	32511	82469	2.54	Si
SLV 6	3	0.46	16.51	-4285	32511	82469	2.54	Si

Maschio 63

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
5603.7	4361	5603.7	3538.5	L3	L4	822.5	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	408	-18038	0	1	0	-5.43	2.03	0	7.46	0.56	1	62762	Si
SLU 30	193	-50795	0	1	0	-5.43	2.03	0	3.73	0.71	1	79288	Si
SLU 30	-22	-71868	0	1	0	-5.43	2.03	0	7.46	0.56	1	62762	No
SLU 29	408	-17909	0	1	0	-5.47	2.03	0	7.5	0.56	1	62609	Si
SLU 29	193	-50641	0	1	0	-5.47	2.03	0	3.75	0.71	1	79166	Si
SLU 29	-22	-71653	0	1	0	-5.47	2.03	0	7.5	0.56	1	62609	No
SLU 32	408	-17020	0	1	0	-5.29	2.03	0	7.32	0.57	1	63306	Si
SLU 32	193	-49486	0	1	0	-5.29	2.03	0	3.66	0.71	1	79722	Si
SLU 32	-22	-70685	0	1	0	-5.29	2.03	0	7.32	0.57	1	63306	No
SLU 36	408	-17511	0	1	0	-5.14	2.03	0	7.17	0.57	1	63884	Si
SLU 36	193	-49983	0	1	0	-5.14	2.03	0	3.59	0.72	1	80183	Si
SLU 36	-22	-71210	0	1	0	-5.14	2.03	0	7.17	0.57	1	63884	No
SLU 34	408	-17382	0	1	0	-5.18	2.03	0	7.21	0.57	1	63735	Si
SLU 34	193	-49829	0	1	0	-5.18	2.03	0	3.61	0.72	1	80064	Si
SLU 34	-22	-70995	0	1	0	-5.18	2.03	0	7.21	0.57	1	63735	No
SLU 21	408	-16089	0	1	0	-5.48	2.03	0	7.51	0.56	1	62580	Si
SLU 21	193	-48428	0	1	0	-5.48	2.03	0	3.75	0.71	1	79143	Si
SLU 21	-22	-69508	0	1	0	-5.48	2.03	0	7.51	0.56	1	62580	No
SLU 20	408	-15960	0	1	0	-5.52	2.03	0	7.55	0.56	1	62407	Si
SLU 20	193	-48274	0	1	0	-5.52	2.03	0	3.78	0.71	1	79004	Si
SLU 20	-22	-69293	0	1	0	-5.52	2.03	0	7.55	0.56	1	62407	No
SLU 23	408	-15071	0	1	0	-5.32	2.03	0	7.35	0.57	1	63182	Si
SLU 23	193	-47119	0	1	0	-5.32	2.03	0	3.68	0.71	1	79623	Si
SLU 23	-22	-68325	0	1	0	-5.32	2.03	0	7.35	0.57	1	63182	No
SLU 27	408	-15562	0	1	0	-5.16	2.03	0	7.19	0.57	1	63836	Si
SLU 27	193	-47616	0	1	0	-5.16	2.03	0	3.59	0.72	1	80145	Si
SLU 27	-22	-68850	0	1	0	-5.16	2.03	0	7.19	0.57	1	63836	No
SLU 25	408	-15433	0	1	0	-5.2	2.03	0	7.23	0.57	1	63668	Si
SLU 25	193	-47462	0	1	0	-5.2	2.03	0	3.61	0.72	1	80010	Si
SLU 25	-22	-68635	0	1	0	-5.2	2.03	0	7.23	0.57	1	63668	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 5	10	-49953	13618164	1.1	11896345	0.874	No
SLV 5	260	-30708	-1831104	0.68	9360969	5.112	Si
SLV 6	10	-49953	13618164	1.1	11896345	0.874	No
SLV 6	260	-30708	-1831104	0.68	9360969	5.112	Si
SLV 15	10	-59458	-10799761	1.31	12201614	1.13	Si
SLV 15	260	-39039	-3114608	0.86	10773595	3.459	Si
SLV 7	10	-47655	-17125784	1.05	11728534	0.685	No
SLV 7	260	-22753	737972	0.5	7563211	10.249	Si
SLV 12	10	-52731	-19172411	1.17	12050339	0.629	No
SLV 12	260	-28984	-625137	0.64	9008727	14.411	Si
SLV 11	10	-52731	-19172411	1.17	12050339	0.629	No
SLV 11	260	-28984	-625137	0.64	9008727	14.411	Si
SLV 8	10	-47655	-17125784	1.05	11728534	0.685	No
SLV 8	260	-22753	737972	0.5	7563211	10.249	Si
SLV 9	10	-55029	11571537	1.22	12137291	1.049	Si
SLV 9	260	-36939	-3194213	0.82	10462936	3.276	Si
SLV 16	10	-59458	-10799761	1.31	12201614	1.13	Si
SLV 16	260	-39039	-3114608	0.86	10773595	3.459	Si
SLV 10	10	-55029	11571537	1.22	12137291	1.049	Si
SLV 10	260	-36939	-3194213	0.82	10462936	3.276	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 19	10	-62420	-10800	-3327770	1.38	1.38	822.5	0.23	10557		0.98	No
SLU 19	260	-34575	-11156	-1109911	0.76	0.76	822.5	0.15	6844		0.61	No
SLU 22	10	-62813	-11213	-3277436	1.39	1.39	822.5	0.23	10609		0.95	No
SLU 22	260	-34874	-11571	-994484	0.77	0.77	822.5	0.15	6884		0.59	No
SLU 8	10	-49586	-8819	-2517033	1.1	1.1	822.5	0.2	8845		1	Si
SLU 8	260	-28014	-9102	-744025	0.62	0.62	822.5	0.13	5969		0.66	No
SLU 24	10	-63147	-11138	-3281351	1.4	1.4	822.5	0.24	10654		0.96	No
SLU 24	260	-35220	-11499	-1011371	0.78	0.78	822.5	0.15	6930		0.6	No
SLU 4	10	-49056	-8688	-2538285	1.08	1.08	822.5	0.19	8775		1.01	Si
SLU 4	260	-27518	-8966	-784852	0.61	0.61	822.5	0.13	5903		0.66	No
SLU 26	10	-63343	-11344	-3256183	1.4	1.4	822.5	0.24	10680		0.94	No
SLU 26	260	-35369	-11707	-953657	0.78	0.78	822.5	0.15	6950		0.59	No
SLU 33	10	-65602	-11014	-3390536	1.45	1.45	822.5	0.24	10981		1	No
SLU 33	260	-37583	-11384	-1187689	0.83	0.83	822.5	0.16	7245		0.64	No
SLU 31	10	-65268	-11089	-3386622	1.44	1.44	822.5	0.24	10936		0.99	No
SLU 31	260	-37237	-11456	-1170803	0.82	0.82	822.5	0.16	7199		0.63	No
SLU 35	10	-65799	-11220	-3365369	1.45	1.45	822.5	0.24	11007		0.98	No
SLU 35	260	-37733	-11592	-1129976	0.83	0.83	822.5	0.16	7265		0.63	No
SLU 28	10	-64876	-10676	-3436956	1.43	1.43	822.5	0.24	10884		1.02	Si
SLU 28	260	-36938	-11041	-1286230	0.82	0.82	822.5	0.16	7159		0.65	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 6	10	-49953	68661	13618164	1.1	2.18	415.89	0.43	9737		0.14	No
SLV 6	260	-30708	52377	-1831104	0.68	0.68	822.5	0.17	7910		0.15	No
SLV 10	10	-55029	72970	11571537	1.22	1.66	602.91	0.34	11218		0.15	No
SLV 10	260	-36939	55920	-3194213	0.82	0.82	822.5	0.2	8949		0.16	No
SLV 8	10	-47655	-88564	-17125784	1.05	5.57	155.63	0.99	8471		0.1	No
SLV 8	260	-22753	-72084	737972	0.5	0.5	822.5	0.15	6585		0.09	No
SLV 4	10	-42536	-38562	-3977670	0.94	0.94	822.5	0.22	9882		0.26	No
SLV 4	260	-18267	-32656	1429089	0.4	0.4	822.5	0.13	5837		0.18	No
SLV 7	10	-47655	-88564	-17125784	1.05	5.57	155.63	0.99	8471		0.1	No
SLV 7	260	-22753	-72084	737972	0.5	0.5	822.5	0.15	6585		0.09	No

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 11	10	-52731	-84255	-19172411	1.17	6.71	142.99	1.18	9274		0.11	No
SLV 11	260	-28984	-68541	-625137	0.64	0.64	822.5	0.17	7623		0.11	No
SLV 3	10	-42536	-38562	-3977670	0.94	0.94	822.5	0.22	9882		0.26	No
SLV 3	260	-18267	-32656	1429089	0.4	0.4	822.5	0.13	5837		0.18	No
SLV 12	10	-52731	-84255	-19172411	1.17	6.71	142.99	1.18	9274		0.11	No
SLV 12	260	-28984	-68541	-625137	0.64	0.64	822.5	0.17	7623		0.11	No
SLV 9	10	-55029	72970	11571537	1.22	1.66	602.91	0.34	11218		0.15	No
SLV 9	260	-36939	55920	-3194213	0.82	0.82	822.5	0.2	8949		0.16	No
SLV 5	10	-49953	68661	13618164	1.1	2.18	415.89	0.43	9737		0.14	No
SLV 5	260	-30708	52377	-1831104	0.68	0.68	822.5	0.17	7910		0.15	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 3	3	0.46	11.13	-24023	270280	526910	1.95	Si
SLV 4	3	0.46	11.13	-24023	270280	526910	1.95	Si
SLV 2	3	0.46	11.69	-25214	270280	546075	2.02	Si
SLV 1	3	0.46	11.69	-25214	270280	546075	2.02	Si
SLV 7	3	0.46	14.39	-31044	270280	630399	2.33	Si
SLV 8	3	0.46	14.39	-31044	270280	630399	2.33	Si
SLV 6	3	0.46	16.23	-35014	270280	678808	2.51	Si
SLV 5	3	0.46	16.23	-35014	270280	678808	2.51	Si
SLV 11	3	0.46	17.73	-38253	270280	712889	2.64	Si
SLV 12	3	0.46	17.73	-38253	270280	712889	2.64	Si

Maschio 64

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
5603.7	4584.8	5603.7	4501	L3	L4	83.9	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 29	408	-6912	0	1	0	-0.22	2.03	0	2.25	0.79	1	9022	Si
SLU 29	193	-10807	0	1	0	-0.22	2.03	0	2.03	0.8	1	9162	No
SLU 29	-22	-11650	0	1	0	-0.22	2.03	0	2.25	0.79	1	9022	No
SLU 30	408	-6909	0	1	0	-0.22	2.03	0	2.25	0.79	1	9022	Si
SLU 30	193	-10775	0	1	0	-0.22	2.03	0	2.03	0.8	1	9162	No
SLU 30	-22	-11630	0	1	0	-0.22	2.03	0	2.25	0.79	1	9022	No
SLU 34	408	-6650	0	1	0	-0.21	2.03	0	2.24	0.79	1	9028	Si
SLU 34	193	-10403	0	1	0	-0.21	2.03	0	2.03	0.8	1	9162	No
SLU 34	-22	-11325	0	1	0	-0.21	2.03	0	2.24	0.79	1	9028	No
SLU 32	408	-6648	0	1	0	-0.21	2.03	0	2.24	0.79	1	9028	Si
SLU 32	193	-10379	0	1	0	-0.21	2.03	0	2.03	0.8	1	9162	No
SLU 32	-22	-11307	0	1	0	-0.21	2.03	0	2.24	0.79	1	9028	No
SLU 36	408	-6647	0	1	0	-0.21	2.03	0	2.24	0.79	1	9028	Si
SLU 36	193	-10370	0	1	0	-0.21	2.03	0	2.03	0.8	1	9162	No
SLU 36	-22	-11304	0	1	0	-0.21	2.03	0	2.24	0.79	1	9028	No
SLU 20	408	-6592	0	1	0	-0.21	2.03	0	2.24	0.79	1	9029	Si
SLU 20	193	-10390	0	1	0	-0.21	2.03	0	2.03	0.8	1	9162	No
SLU 20	-22	-11294	0	1	0	-0.21	2.03	0	2.24	0.79	1	9029	No
SLU 21	408	-6589	0	1	0	-0.21	2.03	0	2.24	0.79	1	9029	Si
SLU 21	193	-10357	0	1	0	-0.21	2.03	0	2.03	0.8	1	9162	No
SLU 21	-22	-11273	0	1	0	-0.21	2.03	0	2.24	0.79	1	9029	No
SLU 25	408	-6330	0	1	0	-0.2	2.03	0	2.23	0.79	1	9036	Si
SLU 25	193	-9985	0	1	0	-0.2	2.03	0	2.03	0.8	1	9162	No
SLU 25	-22	-10968	0	1	0	-0.2	2.03	0	2.23	0.79	1	9036	No
SLU 23	408	-6328	0	1	0	-0.2	2.03	0	2.23	0.79	1	9036	Si
SLU 23	193	-9961	0	1	0	-0.2	2.03	0	2.03	0.8	1	9162	No
SLU 23	-22	-10950	0	1	0	-0.2	2.03	0	2.23	0.79	1	9036	No
SLU 27	408	-6328	0	1	0	-0.2	2.03	0	2.23	0.79	1	9036	Si
SLU 27	193	-9952	0	1	0	-0.2	2.03	0	2.03	0.8	1	9162	No
SLU 27	-22	-10947	0	1	0	-0.2	2.03	0	2.23	0.79	1	9036	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 3	10	-9927	14	93701	2.15	2.15	83.85	0.34	1551		109.44	Si
SLU 3	260	-7656	5	100628	1.66	1.66	83.85	0.27	1249		259.62	Si
SLU 23	10	-11998	15	107329	2.6	2.6	83.85	0.4	1827		122.08	Si
SLU 23	260	-9053	7	115871	1.96	1.96	83.85	0.31	1435		207.91	Si
SLU 30	10	-12826	17	120385	2.78	2.78	83.85	0.42	1938		115.81	Si
SLU 30	260	-9875	7	129341	2.14	2.14	83.85	0.33	1544		233.38	Si
SLU 19	10	-11201	15	95872	2.43	2.43	83.85	0.37	1721		118.39	Si
SLU 19	260	-8261	7	104097	1.79	1.79	83.85	0.29	1329		202.94	Si
SLU 29	10	-12858	18	121437	2.79	2.79	83.85	0.42	1942		106.91	Si
SLU 29	260	-9906	6	130447	2.15	2.15	83.85	0.34	1549		251.12	Si
SLU 21	10	-12399	18	114193	2.69	2.69	83.85	0.41	1881		105.58	Si
SLU 21	260	-9451	6	122970	2.05	2.05	83.85	0.32	1488		239.42	Si
SLU 12	10	-10354	13	99894	2.25	2.25	83.85	0.35	1608		122.83	Si
SLU 12	260	-8081	5	106999	1.75	1.75	83.85	0.28	1305		250.38	Si
SLU 2	10	-9958	16	94753	2.16	2.16	83.85	0.34	1556		99.67	Si
SLU 2	260	-7687	4	101734	1.67	1.67	83.85	0.27	1253		287.44	Si
SLU 20	10	-12431	19	115245	2.7	2.7	83.85	0.41	1885		97.94	Si
SLU 20	260	-9481	6	124076	2.06	2.06	83.85	0.32	1492		258.88	Si
SLU 11	10	-10386	15	100946	2.25	2.25	83.85	0.35	1613		111.01	Si
SLU 11	260	-8112	5	108104	1.76	1.76	83.85	0.28	1309		274.97	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 7	3	0.46	0	-13411	27555	0	0	No
SLV 12	3	0.46	0	-13822	27555	0	0	No
SLV 11	3	0.46	0	-13822	27555	0	0	No
SLV 8	3	0.46	0	-13411	27555	0	0	No
SLV 6	3	0.46	7.85	-1727	27555	40711	1.48	Si
SLV 5	3	0.46	7.85	-1727	27555	40711	1.48	Si
SLV 16	3	0.46	46.42	-10212	27555	43796	1.59	Si
SLV 15	3	0.46	46.42	-10212	27555	43796	1.59	Si
SLV 9	3	0.46	9.72	-2138	27555	48404	1.76	Si
SLV 10	3	0.46	9.72	-2138	27555	48404	1.76	Si

Maschio 65

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
5598.7	3928.5	5656.2	3928.5	L3	L4	57.5	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 30	408	-515	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 30	193	-2623	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 30	-22	-3591	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 29	408	-512	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 29	193	-2619	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 29	-22	-3589	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 36	408	-511	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 36	193	-2618	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 36	-22	-3586	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 34	408	-508	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 34	193	-2614	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 34	-22	-3583	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 32	408	-502	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 32	193	-2609	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 32	-22	-3578	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 21	408	-486	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 21	193	-2591	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 21	-22	-3563	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 20	408	-482	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 20	193	-2588	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 20	-22	-3560	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 27	408	-481	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 27	193	-2586	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 27	-22	-3557	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 25	408	-478	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 25	193	-2583	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 25	-22	-3554	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 23	408	-473	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 23	193	-2577	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 23	-22	-3550	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 34	10	-3899	9	-1941	1.23	1.23	57.5	0.21	676		73.86	Si
SLU 34	380	-1009	9	-5328	0.32	0.32	57.5	0.09	291		31.75	Si
SLU 35	10	-3862	9	-990	1.22	1.22	57.5	0.21	671		76.95	Si
SLU 35	380	-972	9	-4217	0.31	0.31	57.5	0.09	286		32.76	Si
SLU 30	10	-3907	9	-2184	1.24	1.24	57.5	0.21	677		73.99	Si
SLU 30	380	-1017	9	-5570	0.32	0.32	57.5	0.09	292		31.88	Si
SLU 36	10	-3902	9	-2018	1.23	1.23	57.5	0.21	676		73.3	Si
SLU 36	380	-1012	9	-5432	0.32	0.32	57.5	0.09	291		31.54	Si
SLU 29	10	-3904	9	-2107	1.23	1.23	57.5	0.21	677		74.55	Si
SLU 29	380	-1014	9	-5466	0.32	0.32	57.5	0.09	291		32.1	Si
SLU 27	10	-3870	9	-1240	1.22	1.22	57.5	0.21	672		77.15	Si
SLU 27	380	-980	9	-4464	0.31	0.31	57.5	0.09	287		32.92	Si
SLU 33	10	-3859	9	-913	1.22	1.22	57.5	0.21	671		77.57	Si
SLU 33	380	-968	9	-4112	0.31	0.31	57.5	0.09	285		33	Si
SLU 32	10	-3893	9	-1820	1.23	1.23	57.5	0.21	675		74.94	Si
SLU 32	380	-1003	9	-5154	0.32	0.32	57.5	0.09	290		32.18	Si
SLU 25	10	-3867	9	-1164	1.22	1.22	57.5	0.21	672		77.77	Si
SLU 25	380	-977	9	-4360	0.31	0.31	57.5	0.09	286		33.16	Si
SLU 21	10	-3875	9	-1407	1.23	1.23	57.5	0.21	673		77.91	Si
SLU 21	380	-985	9	-4602	0.31	0.31	57.5	0.09	288		33.29	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 12	3	0.46	10.14	-1530	18895	34314	1.82	Si
SLV 11	3	0.46	10.14	-1530	18895	34314	1.82	Si
SLV 8	3	0.46	10.51	-1586	18895	35269	1.87	Si
SLV 7	3	0.46	10.51	-1586	18895	35269	1.87	Si
SLV 16	3	0.46	11.7	-1765	18895	38217	2.02	Si
SLV 15	3	0.46	11.7	-1765	18895	38217	2.02	Si
SLV 4	3	0.46	12.93	-1951	18895	41031	2.17	Si
SLV 3	3	0.46	12.93	-1951	18895	41031	2.17	Si

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 14	3	0.46	13.41	-2023	18895	42063	2.23	Si
SLV 13	3	0.46	13.41	-2023	18895	42063	2.23	Si

Maschio 66

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
5826.2	3928.5	5883.7	3928.5	L3	L4	57.5	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 36	408	-320	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 36	193	-2629	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 36	-22	-3635	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 35	408	-281	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 35	193	-2583	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 35	-22	-3628	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 34	408	-320	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 34	193	-2627	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 34	-22	-3628	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 33	408	-281	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 33	193	-2581	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 33	-22	-3622	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 32	408	-320	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 32	193	-2625	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 32	-22	-3621	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 30	408	-336	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 30	193	-2643	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 30	-22	-3618	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 31	408	-281	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 31	193	-2579	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 31	-22	-3615	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 27	408	-299	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 27	193	-2600	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 27	-22	-3615	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 29	408	-336	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 29	193	-2641	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 29	-22	-3611	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 26	408	-260	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 26	193	-2553	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si
SLU 26	-22	-3609	0	1	0	0	2.03	0	2.03	0.8	1	6282	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 25	10	-3933	3	6150	1.24	1.24	57.5	0.22	681		227.91	Si
SLU 25	380	-868	3	-1201	0.27	0.27	57.5	0.09	272		88.45	Si
SLU 29	10	-3953	3	6788	1.25	1.25	57.5	0.22	683		212.24	Si
SLU 29	380	-906	3	-191	0.29	0.29	57.5	0.09	277		86.25	Si
SLU 27	10	-3937	3	6268	1.24	1.24	57.5	0.22	681		226.25	Si
SLU 27	380	-869	3	-1190	0.27	0.27	57.5	0.09	272		87.75	Si
SLU 31	10	-3928	3	5983	1.24	1.24	57.5	0.22	680		234.76	Si
SLU 31	380	-851	3	-1676	0.27	0.27	57.5	0.09	270		88.93	Si
SLU 35	10	-3936	3	6236	1.24	1.24	57.5	0.22	681		228.93	Si
SLU 35	380	-853	3	-1661	0.27	0.27	57.5	0.09	270		86.56	Si
SLU 36	10	-3959	3	6965	1.25	1.25	57.5	0.22	684		211.47	Si
SLU 36	380	-892	3	-606	0.28	0.28	57.5	0.09	275		83.92	Si
SLU 30	10	-3957	3	6906	1.25	1.25	57.5	0.22	684		210.81	Si
SLU 30	380	-906	3	-181	0.29	0.29	57.5	0.09	277		85.6	Si
SLU 32	10	-3951	3	6712	1.25	1.25	57.5	0.22	683		216.39	Si
SLU 32	380	-890	3	-622	0.28	0.28	57.5	0.09	275		86.09	Si
SLU 34	10	-3955	3	6847	1.25	1.25	57.5	0.22	684		212.9	Si
SLU 34	380	-891	3	-617	0.28	0.28	57.5	0.09	275		84.54	Si
SLU 33	10	-3932	3	6118	1.24	1.24	57.5	0.22	680		230.64	Si
SLU 33	380	-852	3	-1672	0.27	0.27	57.5	0.09	270		87.24	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 11	3	0.46	7.3	-1102	18895	26277	1.39	Si
SLV 12	3	0.46	7.3	-1102	18895	26277	1.39	Si
SLV 16	3	0.46	8.67	-1308	18895	30308	1.6	Si
SLV 15	3	0.46	8.67	-1308	18895	30308	1.6	Si
SLV 8	3	0.46	9.15	-1380	18895	31647	1.67	Si
SLV 7	3	0.46	9.15	-1380	18895	31647	1.67	Si
SLV 14	3	0.46	11.7	-1764	18895	38199	2.02	Si
SLV 13	3	0.46	11.7	-1764	18895	38199	2.02	Si
SLV 4	3	0.46	14.83	-2237	18895	44934	2.38	Si
SLV 3	3	0.46	14.83	-2237	18895	44934	2.38	Si

Maschio 67

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
5666.9	4584.8	5598.7	4584.8	L3	L4	68.2	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	408	274	0	1	0	0	2.03	0	0	0	0	0	No
SLU 1	193	-2423	0	1	0	0	2.03	0	2.03	0.8	1	7456	Si
SLU 1	-22	-3111	0	1	0	0	2.03	0	2.03	0.8	1	7456	Si
SLU 21	408	390	0	1	0	0	2.03	0	0	0	0	0	No
SLU 21	193	-3167	0	1	0	0	2.03	0	2.03	0.8	1	7456	Si
SLU 21	-22	-4041	0	1	0	0	2.03	0	2.03	0.8	1	7456	Si
SLU 22	408	339	0	1	0	0	2.03	0	0	0	0	0	No
SLU 22	193	-3154	0	1	0	0	2.03	0	2.03	0.8	1	7456	Si
SLU 22	-22	-4051	0	1	0	0	2.03	0	2.03	0.8	1	7456	Si
SLU 23	408	369	0	1	0	0	2.03	0	0	0	0	0	No
SLU 23	193	-3166	0	1	0	0	2.03	0	2.03	0.8	1	7456	Si
SLU 23	-22	-4047	0	1	0	0	2.03	0	2.03	0.8	1	7456	Si
SLU 24	408	338	0	1	0	0	2.03	0	0	0	0	0	No
SLU 24	193	-3157	0	1	0	0	2.03	0	2.03	0.8	1	7456	Si
SLU 24	-22	-4053	0	1	0	0	2.03	0	2.03	0.8	1	7456	Si
SLU 25	408	368	0	1	0	0	2.03	0	0	0	0	0	No
SLU 25	193	-3169	0	1	0	0	2.03	0	2.03	0.8	1	7456	Si
SLU 25	-22	-4049	0	1	0	0	2.03	0	2.03	0.8	1	7456	Si
SLU 26	408	330	0	1	0	0	2.03	0	0	0	0	0	No
SLU 26	193	-3162	0	1	0	0	2.03	0	2.03	0.8	1	7456	Si
SLU 26	-22	-4058	0	1	0	0	2.03	0	2.03	0.8	1	7456	Si
SLU 20	408	399	0	1	0	0	2.03	0	0	0	0	0	No
SLU 20	193	-3162	0	1	0	0	2.03	0	2.03	0.8	1	7456	Si
SLU 20	-22	-4036	0	1	0	0	2.03	0	2.03	0.8	1	7456	Si
SLU 27	408	360	0	1	0	0	2.03	0	0	0	0	0	No
SLU 27	193	-3174	0	1	0	0	2.03	0	2.03	0.8	1	7456	Si
SLU 27	-22	-4054	0	1	0	0	2.03	0	2.03	0.8	1	7456	Si
SLU 29	408	400	0	1	0	0	2.03	0	0	0	0	0	No
SLU 29	193	-3179	0	1	0	0	2.03	0	2.03	0.8	1	7456	Si
SLU 29	-22	-4044	0	1	0	0	2.03	0	2.03	0.8	1	7456	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 32	10	-4779	-489	-45297	1.27	1.27	68.24	0.22	823		1.68	Si
SLU 32	245	-2946	-34	-26315	0.78	0.78	68.24	0.15	578		17.02	Si
SLU 14	10	-3682	-397	-34300	0.98	0.98	68.24	0.18	676		1.7	Si
SLU 14	245	-2285	-28	-18864	0.61	0.61	68.24	0.13	490		17.24	Si
SLU 29	10	-4771	-493	-45741	1.27	1.27	68.24	0.22	821		1.66	Si
SLU 29	245	-2939	-33	-26743	0.78	0.78	68.24	0.15	577		17.57	Si
SLU 36	10	-4785	-497	-44859	1.27	1.27	68.24	0.22	823		1.66	Si
SLU 36	245	-2958	-36	-25473	0.79	0.79	68.24	0.15	580		16.31	Si
SLU 11	10	-3673	-401	-34744	0.98	0.98	68.24	0.18	675		1.68	Si
SLU 11	245	-2279	-27	-19292	0.61	0.61	68.24	0.13	489		17.92	Si
SLU 16	10	-3683	-401	-34136	0.98	0.98	68.24	0.18	676		1.69	Si
SLU 16	245	-2290	-29	-18498	0.61	0.61	68.24	0.13	491		16.87	Si
SLU 30	10	-4775	-497	-45467	1.27	1.27	68.24	0.22	822		1.65	Si
SLU 30	245	-2946	-34	-26267	0.78	0.78	68.24	0.15	578		17.12	Si
SLU 18	10	-3688	-405	-33862	0.98	0.98	68.24	0.18	677		1.67	Si
SLU 18	245	-2297	-30	-18022	0.61	0.61	68.24	0.13	492		16.39	Si
SLU 34	10	-4781	-493	-45133	1.27	1.27	68.24	0.22	823		1.67	Si
SLU 34	245	-2951	-35	-25949	0.79	0.79	68.24	0.15	579		16.72	Si
SLU 12	10	-3678	-405	-34470	0.98	0.98	68.24	0.18	676		1.67	Si
SLU 12	245	-2286	-28	-18816	0.61	0.61	68.24	0.13	490		17.37	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 4	3	0.46	0	2559	22425	0	0	No
SLV 3	3	0.46	0	2559	22425	0	0	No
SLV 6	3	0.46	0	356	22425	0	0	No
SLV 5	3	0.46	0	356	22425	0	0	No
SLV 2	3	0.46	0	3270	22425	0	0	No
SLV 1	3	0.46	0	3270	22425	0	0	No
SLV 16	3	0.46	45.47	-8140	22425	38792	1.73	Si
SLV 15	3	0.46	45.47	-8140	22425	38792	1.73	Si
SLV 8	3	0.46	11.26	-2016	22425	44097	1.97	Si
SLV 7	3	0.46	11.26	-2016	22425	44097	1.97	Si

Maschio 68

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
5883.7	4584.8	5786.9	4584.8	L3	L4	96.8	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 19	408	-96	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 19	193	-4015	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 19	-22	-6054	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 22	408	-97	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 22	193	-4019	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 22	-22	-6053	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 24	408	-97	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 24	193	-4020	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 24	-22	-6053	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 26	408	-97	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 26	193	-4022	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 26	-22	-6052	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 28	408	-109	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 28	193	-4043	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 28	-22	-6051	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 31	408	-109	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 31	193	-4046	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 31	-22	-6050	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 23	408	-119	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 23	193	-4062	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 23	-22	-6050	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 33	408	-109	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 33	193	-4047	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 33	-22	-6050	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 35	408	-109	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 35	193	-4049	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 35	-22	-6049	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 20	408	-129	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 20	193	-4077	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si
SLU 20	-22	-6049	0	1	0	0	2.03	0	2.03	0.8	1	10572	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 29	10	-6504	-122	66739	1.22	1.22	96.76	0.21	1130		9.25	Si
SLU 29	245	-3568	-50	65492	0.67	0.72	90.07	0.15	720		14.43	Si
SLU 14	10	-5001	-101	52251	0.94	0.94	96.76	0.17	930		9.22	Si
SLU 14	245	-2758	-41	50881	0.52	0.56	89.79	0.12	612		14.89	Si
SLU 32	10	-6506	-124	66900	1.22	1.22	96.76	0.21	1130		9.12	Si
SLU 32	245	-3554	-50	66504	0.67	0.73	88.99	0.15	716		14.21	Si
SLU 34	10	-6505	-126	67127	1.22	1.22	96.76	0.21	1130		9	Si
SLU 34	245	-3555	-51	66708	0.67	0.73	88.84	0.15	715		14.03	Si
SLU 18	10	-5000	-104	52723	0.94	0.94	96.76	0.17	929		8.91	Si
SLU 18	245	-2761	-42	51309	0.52	0.56	89.39	0.12	611		14.41	Si
SLU 36	10	-6505	-127	67372	1.22	1.22	96.76	0.21	1130		8.87	Si
SLU 36	245	-3557	-52	66932	0.67	0.73	88.69	0.15	715		13.83	Si
SLU 30	10	-6503	-124	66984	1.22	1.22	96.76	0.21	1130		9.11	Si
SLU 30	245	-3570	-51	65716	0.67	0.72	89.91	0.15	720		14.23	Si
SLU 16	10	-5000	-102	52478	0.94	0.94	96.76	0.17	929		9.08	Si
SLU 16	245	-2759	-42	51085	0.52	0.56	89.59	0.12	611		14.66	Si
SLU 12	10	-4998	-101	52335	0.94	0.94	96.76	0.17	929		9.21	Si
SLU 12	245	-2774	-41	50093	0.52	0.55	90.97	0.12	617		14.93	Si
SLU 35	10	-6511	-123	66602	1.22	1.22	96.76	0.21	1131		9.21	Si
SLU 35	245	-3514	-49	68248	0.66	0.74	86.88	0.15	705		14.25	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 15	3	0.46	0	707	31795	0	0	No
SLV 16	3	0.46	0	707	31795	0	0	No
SLV 14	3	0.46	0	858	31795	0	0	No
SLV 13	3	0.46	0	858	31795	0	0	No
SLV 9	3	0.46	6.7	-1702	31795	41095	1.29	Si
SLV 10	3	0.46	6.7	-1702	31795	41095	1.29	Si
SLV 11	3	0.46	8.7	-2208	31795	51125	1.61	Si
SLV 12	3	0.46	8.7	-2208	31795	51125	1.61	Si
SLV 6	3	0.46	15.95	-4048	31795	79047	2.49	Si
SLV 5	3	0.46	15.95	-4048	31795	79047	2.49	Si

Maschio 69

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
5883.7	3928.5	5883.7	4584.8	L3	L4	656.4	55	406	430	430			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 29	408	-14995	0	1	0	9.17	2.03	0	11.2	0.43	1	38085	Si
SLU 29	193	-35634	0	1	0	9.17	2.03	0	5.6	0.63	1	55881	Si
SLU 29	-22	-53360	0	1	0	9.17	2.03	0	11.2	0.43	1	38085	No
SLU 30	408	-14995	0	1	0	9.17	2.03	0	11.2	0.43	1	38085	Si
SLU 30	193	-35634	0	1	0	9.17	2.03	0	5.6	0.63	1	55881	Si
SLU 30	-22	-53359	0	1	0	9.17	2.03	0	11.2	0.43	1	38085	No
SLU 32	408	-13778	0	1	0	9.17	2.03	0	11.2	0.43	1	38085	Si
SLU 32	193	-34428	0	1	0	9.17	2.03	0	5.6	0.63	1	55881	Si
SLU 32	-22	-52112	0	1	0	9.17	2.03	0	11.2	0.43	1	38085	No
SLU 34	408	-13778	0	1	0	9.17	2.03	0	11.2	0.43	1	38085	Si

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 34	193	-34429	0	1	0	9.17	2.03	0	5.6	0.63	1	55881	Si
SLU 34	-22	-52111	0	1	0	9.17	2.03	0	11.2	0.43	1	38085	No
SLU 36	408	-13779	0	1	0	9.17	2.03	0	11.2	0.43	1	38085	Si
SLU 36	193	-34428	0	1	0	9.17	2.03	0	5.6	0.63	1	55881	Si
SLU 36	-22	-52110	0	1	0	9.17	2.03	0	11.2	0.43	1	38085	No
SLU 20	408	-13479	0	1	0	9.17	2.03	0	11.2	0.43	1	38085	Si
SLU 20	193	-34134	0	1	0	9.17	2.03	0	5.6	0.63	1	55881	Si
SLU 20	-22	-51813	0	1	0	9.17	2.03	0	11.2	0.43	1	38085	No
SLU 21	408	-13479	0	1	0	9.17	2.03	0	11.2	0.43	1	38085	Si
SLU 21	193	-34134	0	1	0	9.17	2.03	0	5.6	0.63	1	55881	Si
SLU 21	-22	-51812	0	1	0	9.17	2.03	0	11.2	0.43	1	38085	No
SLU 23	408	-12262	0	1	0	9.17	2.03	0	11.2	0.43	1	38085	Si
SLU 23	193	-32928	0	1	0	9.17	2.03	0	5.6	0.63	1	55881	Si
SLU 23	-22	-50565	0	1	0	9.17	2.03	0	11.2	0.43	1	38085	No
SLU 25	408	-12262	0	1	0	9.17	2.03	0	11.2	0.43	1	38085	Si
SLU 25	193	-32928	0	1	0	9.17	2.03	0	5.6	0.63	1	55881	Si
SLU 25	-22	-50564	0	1	0	9.17	2.03	0	11.2	0.43	1	38085	No
SLU 27	408	-12263	0	1	0	9.17	2.03	0	11.2	0.43	1	38085	Si
SLU 27	193	-32928	0	1	0	9.17	2.03	0	5.6	0.63	1	55881	Si
SLU 27	-22	-50563	0	1	0	9.17	2.03	0	11.2	0.43	1	38085	No

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 14	-22	-39798	-5211199	1.1	7572228	1.453	Si
SLV 14	408	-9227	-82406	0.26	2732942	33.164	Si
SLV 5	-22	-38812	-7020695	1.08	7517243	1.071	Si
SLV 5	408	-9855	122456	0.27	2897611	23.662	Si
SLV 6	-22	-38812	-7020695	1.08	7517243	1.071	Si
SLV 6	408	-9855	122456	0.27	2897611	23.662	Si
SLV 13	-22	-39798	-5211199	1.1	7572228	1.453	Si
SLV 13	408	-9227	-82406	0.26	2732942	33.164	Si
SLV 9	-22	-39216	-8357377	1.09	7540570	0.902	No
SLV 9	408	-9568	42115	0.27	2822665	67.023	Si
SLV 8	-22	-39130	6423994	1.08	7535720	1.173	Si
SLV 8	408	-9838	34484	0.27	2893223	83.901	Si
SLV 10	-22	-39216	-8357377	1.09	7540570	0.902	No
SLV 10	408	-9568	42115	0.27	2822665	67.023	Si
SLV 12	-22	-39534	5087311	1.1	7558157	1.486	Si
SLV 12	408	-9551	-45857	0.26	2818243	61.457	Si
SLV 7	-22	-39130	6423994	1.08	7535720	1.173	Si
SLV 7	408	-9838	34484	0.27	2893223	83.901	Si
SLV 11	-22	-39534	5087311	1.1	7558157	1.486	Si
SLV 11	408	-9551	-45857	0.26	2818243	61.457	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 22	-22	-47658	-3201	-1215367	1.32	1.32	656.35	0.23	8137		2.54	Si
SLU 22	408	-9421	-3226	46270	0.26	0.26	656.35	0.08	3039		0.94	No
SLU 19	-22	-47660	-3111	-1182029	1.32	1.32	656.35	0.23	8137		2.62	Si
SLU 19	408	-9420	-3135	45882	0.26	0.26	656.35	0.08	3039		0.97	No
SLU 28	-22	-49208	-3280	-1245154	1.36	1.36	656.35	0.23	8344		2.54	Si
SLU 28	408	-10936	-3306	48049	0.3	0.3	656.35	0.09	3241		0.98	No
SLU 36	-22	-52110	-3566	-1352199	1.44	1.44	656.35	0.24	8731		2.45	Si
SLU 36	408	-13779	-3594	51979	0.38	0.38	656.35	0.1	3620		1.01	Si
SLU 24	-22	-47657	-3248	-1232585	1.32	1.32	656.35	0.23	8137		2.51	Si
SLU 24	408	-9421	-3273	46443	0.26	0.26	656.35	0.08	3039		0.93	No
SLU 35	-22	-49203	-3462	-1312378	1.36	1.36	656.35	0.23	8343		2.41	Si
SLU 35	408	-10937	-3489	48803	0.3	0.3	656.35	0.09	3241		0.93	No
SLU 31	-22	-49206	-3370	-1278492	1.36	1.36	656.35	0.23	8343		2.48	Si
SLU 31	408	-10937	-3396	48436	0.3	0.3	656.35	0.09	3241		0.95	No
SLU 33	-22	-49204	-3417	-1295710	1.36	1.36	656.35	0.23	8343		2.44	Si
SLU 33	408	-10937	-3443	48609	0.3	0.3	656.35	0.09	3241		0.94	No
SLU 26	-22	-47656	-3293	-1249254	1.32	1.32	656.35	0.23	8137		2.47	Si
SLU 26	408	-9421	-3318	46636	0.26	0.26	656.35	0.08	3039		0.92	No
SLU 27	-22	-50563	-3397	-1289074	1.4	1.4	656.35	0.24	8524		2.51	Si
SLU 27	408	-12263	-3424	49813	0.34	0.34	656.35	0.09	3418		1	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 9	-22	-39216	-33830	-8357377	1.09	2.07	345.19	0.41	7708		0.23	No
SLV 9	408	-9568	-21682	42115	0.27	0.27	656.35	0.11	3823		0.18	No
SLV 12	-22	-39534	23806	5087311	1.1	1.2	598.48	0.26	8621		0.36	No
SLV 12	408	-9551	12600	-45857	0.26	0.26	656.35	0.11	3820		0.3	No
SLV 8	-22	-39130	28740	6423994	1.08	1.45	492.02	0.3	8192		0.29	No
SLV 8	408	-9838	16551	34484	0.27	0.27	656.35	0.11	3868		0.23	No
SLV 5	-22	-38812	-28896	-7020695	1.08	1.6	441.86	0.33	7969		0.28	No
SLV 5	408	-9855	-17731	122456	0.27	0.27	656.35	0.11	3871		0.22	No
SLV 6	-22	-38812	-28896	-7020695	1.08	1.6	441.86	0.33	7969		0.28	No
SLV 6	408	-9855	-17731	122456	0.27	0.27	656.35	0.11	3871		0.22	No
SLV 10	-22	-39216	-33830	-8357377	1.09	2.07	345.19	0.41	7708		0.23	No
SLV 10	408	-9568	-21682	42115	0.27	0.27	656.35	0.11	3823		0.18	No
SLV 11	-22	-39534	23806	5087311	1.1	1.2	598.48	0.26	8621		0.36	No
SLV 11	408	-9551	12600	-45857	0.26	0.26	656.35	0.11	3820		0.3	No
SLV 14	-22	-39798	-19414	-5211199	1.1	1.22	591.7	0.27	8642		0.45	No
SLV 14	408	-9227	-14293	-82406	0.26	0.26	656.35	0.1	3766		0.26	No
SLV 7	-22	-39130	28740	6423994	1.08	1.45	492.02	0.3	8192		0.29	No
SLV 7	408	-9838	16551	34484	0.27	0.27	656.35	0.11	3868		0.23	No
SLV 13	-22	-39798	-19414	-5211199	1.1	1.22	591.7	0.27	8642		0.45	No
SLV 13	408	-9227	-14293	-82406	0.26	0.26	656.35	0.1	3766		0.26	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 193 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 3	3	0.46	14.74	-25388	215683	511004	2.37	Si
SLV 4	3	0.46	14.74	-25388	215683	511004	2.37	Si
SLV 1	3	0.46	14.77	-25431	215683	511556	2.37	Si
SLV 2	3	0.46	14.77	-25431	215683	511556	2.37	Si
SLV 7	3	0.46	14.79	-25468	215683	512033	2.37	Si
SLV 8	3	0.46	14.79	-25468	215683	512033	2.37	Si

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 12	3	0.46	14.86	-25581	215683	513462	2.38	Si
SLV 11	3	0.46	14.86	-25581	215683	513462	2.38	Si
SLV 5	3	0.46	14.87	-25613	215683	513865	2.38	Si
SLV 6	3	0.46	14.87	-25613	215683	513865	2.38	Si

Maschio 70

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2269.9	843.5	2221.2	843.5	L4	L7	48.7	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 33	828	-194	0	1	0	-9.17	1.98	0	11.15	0.43	1	2867	Si
SLU 33	618	-1658	0	1	0	-9.17	1.98	0	5.57	0.63	1	4180	Si
SLU 33	408	-2613	0	1	0	-9.17	1.98	0	11.15	0.43	1	2867	Si
SLU 35	828	-191	0	1	0	-9.17	1.98	0	11.15	0.43	1	2867	Si
SLU 35	618	-1653	0	1	0	-9.17	1.98	0	5.57	0.63	1	4180	Si
SLU 35	408	-2608	0	1	0	-9.17	1.98	0	11.15	0.43	1	2867	Si
SLU 24	828	-171	0	1	0	-9.17	1.98	0	11.15	0.43	1	2867	Si
SLU 24	618	-1642	0	1	0	-9.17	1.98	0	5.57	0.63	1	4180	Si
SLU 24	408	-2600	0	1	0	-9.17	1.98	0	11.15	0.43	1	2867	Si
SLU 26	828	-169	0	1	0	-9.17	1.98	0	11.15	0.43	1	2867	Si
SLU 26	618	-1637	0	1	0	-9.17	1.98	0	5.57	0.63	1	4180	Si
SLU 26	408	-2595	0	1	0	-9.17	1.98	0	11.15	0.43	1	2867	Si
SLU 34	828	-183	0	1	0	-9.17	1.98	0	11.15	0.43	1	2867	Si
SLU 34	618	-1595	0	1	0	-9.17	1.98	0	5.57	0.63	1	4180	Si
SLU 34	408	-2591	0	1	0	-9.17	1.98	0	11.15	0.43	1	2867	Si
SLU 36	828	-180	0	1	0	-9.17	1.98	0	11.15	0.43	1	2867	Si
SLU 36	618	-1589	0	1	0	-9.17	1.98	0	5.57	0.63	1	4180	Si
SLU 36	408	-2586	0	1	0	-9.17	1.98	0	11.15	0.43	1	2867	Si
SLU 25	828	-160	0	1	0	-9.17	1.98	0	11.15	0.43	1	2867	Si
SLU 25	618	-1579	0	1	0	-9.17	1.98	0	5.57	0.63	1	4180	Si
SLU 25	408	-2578	0	1	0	-9.17	1.98	0	11.15	0.43	1	2867	Si
SLU 28	828	-155	0	1	0	-9.17	1.98	0	11.15	0.43	1	2867	Si
SLU 28	618	-1607	0	1	0	-9.17	1.98	0	5.57	0.63	1	4180	Si
SLU 28	408	-2576	0	1	0	-9.17	1.98	0	11.15	0.43	1	2867	Si
SLU 27	828	-158	0	1	0	-9.17	1.98	0	11.15	0.43	1	2867	Si
SLU 27	618	-1574	0	1	0	-9.17	1.98	0	5.57	0.63	1	4180	Si
SLU 27	408	-2573	0	1	0	-9.17	1.98	0	11.15	0.43	1	2867	Si
SLU 31	828	-149	0	1	0	-9.17	1.98	0	11.15	0.43	1	2867	Si
SLU 31	618	-1597	0	1	0	-9.17	1.98	0	5.57	0.63	1	4180	Si
SLU 31	408	-2566	0	1	0	-9.17	1.98	0	11.15	0.43	1	2867	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 30	440	-2571	8	685	0.96	0.96	48.75	0.18	475		58.21	Si
SLU 30	680	-982	8	-1274	0.37	0.37	48.75	0.1	263		32.25	Si
SLU 36	440	-2649	8	-340	0.99	0.99	48.75	0.18	486		60.97	Si
SLU 36	680	-1060	8	-2252	0.4	0.4	48.75	0.1	274		34.36	Si
SLU 21	440	-2555	8	749	0.95	0.95	48.75	0.18	473		58.03	Si
SLU 21	680	-966	8	-1208	0.36	0.36	48.75	0.1	261		32.04	Si
SLU 27	440	-2633	8	-277	0.98	0.98	48.75	0.18	483		60.79	Si
SLU 27	680	-1044	8	-2186	0.39	0.39	48.75	0.1	272		34.14	Si
SLU 34	440	-2654	8	-332	0.99	0.99	48.75	0.18	486		60.77	Si
SLU 34	680	-1065	8	-2253	0.4	0.4	48.75	0.1	274		34.29	Si
SLU 25	440	-2638	8	-269	0.98	0.98	48.75	0.18	484		60.58	Si
SLU 25	680	-1049	8	-2187	0.39	0.39	48.75	0.1	272		34.07	Si
SLU 29	440	-2577	8	693	0.96	0.96	48.75	0.18	476		58.03	Si
SLU 29	680	-987	8	-1276	0.37	0.37	48.75	0.1	264		32.19	Si
SLU 32	440	-2593	8	66	0.97	0.97	48.75	0.18	478		60.54	Si
SLU 32	680	-1004	8	-1829	0.37	0.37	48.75	0.1	266		33.71	Si
SLU 23	440	-2577	8	130	0.96	0.96	48.75	0.18	476		60.36	Si
SLU 23	680	-988	8	-1763	0.37	0.37	48.75	0.1	264		33.49	Si
SLU 20	440	-2561	8	757	0.96	0.96	48.75	0.18	474		57.84	Si
SLU 20	680	-971	8	-1209	0.36	0.36	48.75	0.1	262		31.97	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 10	3	0.69	0	72	22922	0	0	No
SLV 16	3	0.69	0	973	22922	0	0	No
SLV 13	3	0.69	0	1313	22922	0	0	No
SLV 9	3	0.69	0	72	22922	0	0	No
SLV 14	3	0.69	0	1313	22922	0	0	No
SLV 15	3	0.69	0	973	22922	0	0	No
SLV 12	3	0.69	8.3	-1062	22922	24792	1.08	Si
SLV 11	3	0.69	8.3	-1062	22922	24792	1.08	Si
SLV 6	3	0.69	10.41	-1332	22922	29686	1.3	Si
SLV 5	3	0.69	10.41	-1332	22922	29686	1.3	Si

Maschio 71

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2823.7	843.5	2369.9	843.5	L4	L7	453.8	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	5486	0	1	0	9.17	1.98	0	0	0	0	0	No
SLU 1	618	-6835	0	1	0	9.17	1.98	0	5.57	0.63	1	38910	Si
SLU 1	408	-14937	0	1	0	9.17	1.98	0	11.15	0.43	1	26687	Si
SLU 21	828	7583	0	1	0	8.75	1.98	0	0	0	0	0	No
SLU 21	618	-8331	0	1	0	8.75	1.98	0	5.37	0.64	1	39353	Si
SLU 21	408	-18842	0	1	0	8.75	1.98	0	10.73	0.45	1	27621	Si
SLU 22	828	7171	0	1	0	9.17	1.98	0	0	0	0	0	No
SLU 22	618	-8828	0	1	0	9.17	1.98	0	5.57	0.63	1	38910	Si
SLU 22	408	-19366	0	1	0	9.17	1.98	0	11.15	0.43	1	26687	Si
SLU 23	828	7462	0	1	0	8.9	1.98	0	0	0	0	0	No
SLU 23	618	-8480	0	1	0	8.9	1.98	0	5.44	0.64	1	39200	Si
SLU 23	408	-18999	0	1	0	8.9	1.98	0	10.88	0.44	1	27298	Si
SLU 24	828	6944	0	1	0	9.17	1.98	0	0	0	0	0	No
SLU 24	618	-9139	0	1	0	9.17	1.98	0	5.57	0.63	1	38910	Si
SLU 24	408	-19656	0	1	0	9.17	1.98	0	11.15	0.43	1	26687	Si
SLU 25	828	7235	0	1	0	9.17	1.98	0	0	0	0	0	No
SLU 25	618	-8791	0	1	0	9.17	1.98	0	5.57	0.63	1	38910	Si
SLU 25	408	-19289	0	1	0	9.17	1.98	0	11.15	0.43	1	26687	Si
SLU 26	828	6948	0	1	0	9.17	1.98	0	0	0	0	0	No
SLU 26	618	-9139	0	1	0	9.17	1.98	0	5.57	0.63	1	38910	Si
SLU 26	408	-19655	0	1	0	9.17	1.98	0	11.15	0.43	1	26687	Si
SLU 20	828	7580	0	1	0	8.76	1.98	0	0	0	0	0	No
SLU 20	618	-8332	0	1	0	8.76	1.98	0	5.37	0.64	1	39349	Si
SLU 20	408	-18844	0	1	0	8.76	1.98	0	10.74	0.45	1	27613	Si
SLU 27	828	7238	0	1	0	9.17	1.98	0	0	0	0	0	No
SLU 27	618	-8791	0	1	0	9.17	1.98	0	5.57	0.63	1	38910	Si
SLU 27	408	-19287	0	1	0	9.17	1.98	0	11.15	0.43	1	26687	Si
SLU 29	828	7484	0	1	0	9.17	1.98	0	0	0	0	0	No
SLU 29	618	-8497	0	1	0	9.17	1.98	0	5.57	0.63	1	38910	Si
SLU 29	408	-18988	0	1	0	9.17	1.98	0	11.15	0.43	1	26687	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 14	440	-9267	-3006580	0	0	0	No
SLV 14	680	-2048	1479763	0	0	0	No
SLV 15	440	-9242	-2887608	0	0	0	No
SLV 15	680	-1693	1658905	0	0	0	No
SLV 13	440	-9267	-3006580	0	0	0	No
SLV 13	680	-2048	1479763	0	0	0	No
SLV 11	440	-12093	-970768	0.48	2236853	2.304	Si
SLV 11	680	-2131	1281401	0	0	0	No
SLD 15	440	-11553	-1498986	0.46	2332122	1.556	Si
SLD 15	680	-2476	1142284	0	0	0	No
SLV 8	440	-14562	553267	0.58	2568953	4.643	Si
SLV 8	680	-2863	778684	0	0	0	No
SLD 16	440	-11553	-1498986	0.46	2332122	1.556	Si
SLD 16	680	-2476	1142284	0	0	0	No
SLV 12	440	-12093	-970768	0.48	2236853	2.304	Si
SLV 12	680	-2131	1281401	0	0	0	No
SLV 7	440	-14562	553267	0.58	2568953	4.643	Si
SLV 7	680	-2863	778684	0	0	0	No
SLD 14	440	-11565	-1551639	0.46	2334150	1.504	Si
SLD 14	680	-2633	1063004	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 30	440	-17139	-7419	-589152	0.69	0.69	453.75	0.14	3518		0.47	No
SLU 30	680	-3832	-7432	959791	0.15	0	0	0.05	0		0	No
SLU 32	440	-17312	-7269	-560252	0.69	0.69	453.75	0.14	3541		0.49	No
SLU 32	680	-3977	-7282	959371	0.16	0	0	0.05	0		0	No
SLU 18	440	-13595	-5896	-453305	0.54	0.54	453.75	0.12	3045		0.52	No
SLU 18	680	-3375	-5906	779908	0.14	0	0	0.05	0		0	No
SLU 21	440	-16994	-7226	-571528	0.68	0.68	453.75	0.14	3498		0.48	No
SLU 21	680	-3665	-7238	936188	0.15	0	0	0.05	0		0	No
SLU 29	440	-17141	-7401	-585795	0.69	0.69	453.75	0.14	3518		0.48	No
SLU 29	680	-3833	-7414	959228	0.15	0	0	0.05	0		0	No
SLU 23	440	-17168	-7076	-542628	0.69	0.69	453.75	0.14	3521		0.5	No
SLU 23	680	-3810	-7089	935769	0.15	0	0	0.05	0		0	No
SLU 34	440	-17616	-7362	-551603	0.71	0.71	453.75	0.14	3581		0.49	No
SLU 34	680	-4289	-7375	988280	0.17	0	0	0.05	0		0	No
SLU 20	440	-16996	-7208	-568171	0.68	0.68	453.75	0.14	3499		0.49	No
SLU 20	680	-3665	-7221	935626	0.15	0	0	0.05	0		0	No
SLU 27	440	-17469	-7187	-537336	0.7	0.7	453.75	0.14	3562		0.5	No
SLU 27	680	-4121	-7199	965240	0.17	0	0	0.05	0		0	No
SLU 25	440	-17471	-7169	-533979	0.7	0.7	453.75	0.14	3562		0.5	No
SLU 25	680	-4122	-7182	964678	0.17	0	0	0.05	0		0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 1.5 (SLD), γM = 2.4 (SLV)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLD 14	440	-11565	-13201	-1551639	0.46	0.76	278.13	0.3	4595		0.35	No
SLD 14	680	-2633	-10971	1063004	0.11	0	0	0.1	0		0	No
SLV 11	440	-12093	-13198	-970768	0.48	0.5	439.8	0.15	3509		0.27	No
SLV 11	680	-2131	-12758	1281401	0.09	0	0	0.06	0		0	No
SLD 16	440	-11553	-13806	-1498986	0.46	0.72	291.4	0.29	4664		0.34	No
SLD 16	680	-2476	-11835	1142284	0.1	0	0	0.1	0		0	No

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 12	440	-12093	-13198	-970768	0.48	0.5	439.8	0.15	3509		0.27	No
SLV 12	680	-2131	-12758	1281401	0.09	0	0	0.06	0		0	No
SLV 15	440	-9242	-24379	-2887608	0.37	0	0	0.06	0		0	No
SLV 15	680	-1693	-19933	1658905	0.07	0	0	0.06	0		0	No
SLD 15	440	-11553	-13806	-1498986	0.46	0.72	291.4	0.29	4664		0.34	No
SLD 15	680	-2476	-11835	1142284	0.1	0	0	0.1	0		0	No
SLV 14	440	-9267	-23013	-3006580	0.37	0	0	0.06	0		0	No
SLV 14	680	-2048	-17982	1479763	0.08	0	0	0.06	0		0	No
SLV 8	440	-14562	-2247	553267	0.58	0.58	453.75	0.16	3968		1.77	Si
SLV 8	680	-2863	-4657	778684	0.11	0	0	0.06	0		0	No
SLV 7	440	-14562	-2247	553267	0.58	0.58	453.75	0.16	3968		1.77	Si
SLV 7	680	-2863	-4657	778684	0.11	0	0	0.06	0		0	No
SLV 13	440	-9267	-23013	-3006580	0.37	0	0	0.06	0		0	No
SLV 13	680	-2048	-17982	1479763	0.08	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 16	3	0.69	4.18	-4974	213367	126386	0.59	No
SLV 15	3	0.69	4.18	-4974	213367	126386	0.59	No
SLV 13	3	0.69	4.49	-5341	213367	134888	0.63	No
SLV 14	3	0.69	4.49	-5341	213367	134888	0.63	No
SLV 11	3	0.69	4.72	-5614	213367	141141	0.66	No
SLV 12	3	0.69	4.72	-5614	213367	141141	0.66	No
SLV 8	3	0.69	5.48	-6529	213367	161650	0.76	No
SLV 7	3	0.69	5.48	-6529	213367	161650	0.76	No
SLV 10	3	0.69	5.74	-6837	213367	168383	0.79	No
SLV 9	3	0.69	5.74	-6837	213367	168383	0.79	No

Maschio 72

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2823.7	897.2	2823.7	843.5	L4	L7	53.7	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	1720	0	1	0	0	1.98	0	0	0	0	0	No
SLU 1	618	-720	0	1	0	0	1.98	0	1.98	0.81	1	5914	Si
SLU 1	408	-2959	0	1	0	0	1.98	0	1.98	0.81	1	5914	Si
SLU 21	828	2388	0	1	0	0	1.98	0	0	0	0	0	No
SLU 21	618	-928	0	1	0	0	1.98	0	1.98	0.81	1	5914	Si
SLU 21	408	-4043	0	1	0	0	1.98	0	1.98	0.81	1	5914	Si
SLU 22	828	2225	0	1	0	0	1.98	0	0	0	0	0	No
SLU 22	618	-939	0	1	0	0	1.98	0	1.98	0.81	1	5914	Si
SLU 22	408	-3837	0	1	0	0	1.98	0	1.98	0.81	1	5914	Si
SLU 23	828	2339	0	1	0	0	1.98	0	0	0	0	0	No
SLU 23	618	-933	0	1	0	0	1.98	0	1.98	0.81	1	5914	Si
SLU 23	408	-3984	0	1	0	0	1.98	0	1.98	0.81	1	5914	Si
SLU 24	828	2245	0	1	0	0	1.98	0	0	0	0	0	No
SLU 24	618	-942	0	1	0	0	1.98	0	1.98	0.81	1	5914	Si
SLU 24	408	-3857	0	1	0	0	1.98	0	1.98	0.81	1	5914	Si
SLU 25	828	2360	0	1	0	0	1.98	0	0	0	0	0	No
SLU 25	618	-936	0	1	0	0	1.98	0	1.98	0.81	1	5914	Si
SLU 25	408	-4004	0	1	0	0	1.98	0	1.98	0.81	1	5914	Si
SLU 26	828	2245	0	1	0	0	1.98	0	0	0	0	0	No
SLU 26	618	-944	0	1	0	0	1.98	0	1.98	0.81	1	5914	Si
SLU 26	408	-3862	0	1	0	0	1.98	0	1.98	0.81	1	5914	Si
SLU 20	828	2388	0	1	0	0	1.98	0	0	0	0	0	No
SLU 20	618	-926	0	1	0	0	1.98	0	1.98	0.81	1	5914	Si
SLU 20	408	-4038	0	1	0	0	1.98	0	1.98	0.81	1	5914	Si
SLU 27	828	2359	0	1	0	0	1.98	0	0	0	0	0	No
SLU 27	618	-938	0	1	0	0	1.98	0	1.98	0.81	1	5914	Si
SLU 27	408	-4009	0	1	0	0	1.98	0	1.98	0.81	1	5914	Si
SLU 29	828	2419	0	1	0	0	1.98	0	0	0	0	0	No
SLU 29	618	-929	0	1	0	0	1.98	0	1.98	0.81	1	5914	Si
SLU 29	408	-4090	0	1	0	0	1.98	0	1.98	0.81	1	5914	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 29	440	-3000	-4	16644	1.02	1.02	53.68	0.18	546		137.13	Si
SLU 29	720	243	-4	-14088	-0.08	0	0	0.05	0		0	No
SLU 26	440	-2919	-4	14287	0.99	0.99	53.68	0.18	535		149.54	Si
SLU 26	720	192	-3	-13074	-0.07	0	0	0.05	0		0	No
SLU 21	440	-2980	-4	16095	1.01	1.01	53.68	0.18	543		134.5	Si
SLU 21	720	240	-4	-13993	-0.08	0	0	0.05	0		0	No
SLU 27	440	-2974	-4	15752	1.01	1.01	53.68	0.18	542		140.14	Si
SLU 27	720	222	-4	-13767	-0.08	0	0	0.05	0		0	No
SLU 25	440	-2970	-4	15718	1.01	1.01	53.68	0.18	542		139.06	Si
SLU 25	720	224	-4	-13755	-0.08	0	0	0.05	0		0	No
SLU 22	440	-2905	-4	14036	0.98	0.98	53.68	0.18	533		148.35	Si
SLU 22	720	195	-3	-13014	-0.07	0	0	0.05	0		0	No
SLU 24	440	-2916	-4	14254	0.99	0.99	53.68	0.18	535		148.3	Si
SLU 24	720	195	-3	-13062	-0.07	0	0	0.05	0		0	No
SLU 1	440	-2235	-3	10899	0.76	0.76	53.68	0.15	444		159.47	Si
SLU 1	720	154	-3	-10021	-0.05	0	0	0.05	0		0	No
SLU 20	440	-2976	-4	16062	1.01	1.01	53.68	0.18	543		133.51	Si

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 20	720	242	-4	-13981	-0.08	0	0	0.05	0		0	No
SLU 23	440	-2960	-4	15501	1	1	53.68	0.18	540		139.08	Si
SLU 23	720	225	-4	-13707	-0.08	0	0	0.05	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 10	3	0.69	0	328	25243	0	0	No
SLV 14	3	0.69	0	414	25243	0	0	No
SLV 13	3	0.69	0	414	25243	0	0	No
SLV 9	3	0.69	0	328	25243	0	0	No
SLV 15	3	0.69	0.37	-52	25243	1415	0.06	No
SLV 16	3	0.69	0.37	-52	25243	1415	0.06	No
SLV 6	3	0.69	1.5	-211	25243	5637	0.22	No
SLV 5	3	0.69	1.5	-211	25243	5637	0.22	No
SLV 11	3	0.69	8.69	-1224	25243	28346	1.12	Si
SLV 12	3	0.69	8.69	-1224	25243	28346	1.12	Si

Maschio 73

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
2823.7	1194.6	2823.7	1007.2	L4	L7	187.5	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	1639	0	1	0	0	1.98	0	0	0	0	0	No
SLU 1	618	-3458	0	1	0	0	1.98	0	1.98	0.81	1	20653	Si
SLU 1	408	-5870	0	1	0	0	1.98	0	1.98	0.81	1	20653	Si
SLU 21	828	2087	0	1	0	0	1.98	0	0	0	0	0	No
SLU 21	618	-4540	0	1	0	0	1.98	0	1.98	0.81	1	20653	Si
SLU 21	408	-7681	0	1	0	0	1.98	0	1.98	0.81	1	20653	Si
SLU 22	828	2148	0	1	0	0	1.98	0	0	0	0	0	No
SLU 22	618	-4498	0	1	0	0	1.98	0	1.98	0.81	1	20653	Si
SLU 22	408	-7684	0	1	0	0	1.98	0	1.98	0.81	1	20653	Si
SLU 23	828	2114	0	1	0	0	1.98	0	0	0	0	0	No
SLU 23	618	-4533	0	1	0	0	1.98	0	1.98	0.81	1	20653	Si
SLU 23	408	-7714	0	1	0	0	1.98	0	1.98	0.81	1	20653	Si
SLU 24	828	2148	0	1	0	0	1.98	0	0	0	0	0	No
SLU 24	618	-4522	0	1	0	0	1.98	0	1.98	0.81	1	20653	Si
SLU 24	408	-7700	0	1	0	0	1.98	0	1.98	0.81	1	20653	Si
SLU 25	828	2113	0	1	0	0	1.98	0	0	0	0	0	No
SLU 25	618	-4557	0	1	0	0	1.98	0	1.98	0.81	1	20653	Si
SLU 25	408	-7731	0	1	0	0	1.98	0	1.98	0.81	1	20653	Si
SLU 26	828	2159	0	1	0	0	1.98	0	0	0	0	0	No
SLU 26	618	-4530	0	1	0	0	1.98	0	1.98	0.81	1	20653	Si
SLU 26	408	-7747	0	1	0	0	1.98	0	1.98	0.81	1	20653	Si
SLU 20	828	2076	0	1	0	0	1.98	0	0	0	0	0	No
SLU 20	618	-4532	0	1	0	0	1.98	0	1.98	0.81	1	20653	Si
SLU 20	408	-7634	0	1	0	0	1.98	0	1.98	0.81	1	20653	Si
SLU 27	828	2125	0	1	0	0	1.98	0	0	0	0	0	No
SLU 27	618	-4565	0	1	0	0	1.98	0	1.98	0.81	1	20653	Si
SLU 27	408	-7777	0	1	0	0	1.98	0	1.98	0.81	1	20653	Si
SLU 29	828	2091	0	1	0	0	1.98	0	0	0	0	0	No
SLU 29	618	-4569	0	1	0	0	1.98	0	1.98	0.81	1	20653	Si
SLU 29	408	-7752	0	1	0	0	1.98	0	1.98	0.81	1	20653	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 11	440	-3793	-255095	0.37	305714	1.198	Si
SLV 11	720	-5859	578407	0	0	0	No
SLV 10	440	-3498	-97561	0.34	285521	2.927	Si
SLV 10	720	401	-161068	0	0	0	No
SLD 1	440	-6824	-243263	0.66	538854	2.215	Si
SLD 1	720	-687	162636	0	0	0	No
SLV 6	440	-6101	-160722	0.59	442919	2.756	Si
SLV 6	720	1721	-158306	0	0	0	No
SLV 13	440	-565	-79011	0	0	0	No
SLV 13	720	-3330	94526	0.32	273709	2.896	Si
SLV 14	440	-565	-79011	0	0	0	No
SLV 14	720	-3330	94526	0.32	273709	2.896	Si
SLV 7	440	-6396	-318255	0.62	457792	1.438	Si
SLV 7	720	-4539	581169	0	0	0	No
SLV 8	440	-6396	-318255	0.62	457792	1.438	Si
SLV 8	720	-4539	581169	0	0	0	No
SLV 9	440	-3498	-97561	0.34	285521	2.927	Si
SLV 9	720	401	-161068	0	0	0	No
SLV 12	440	-3793	-255095	0.37	305714	1.198	Si
SLV 12	720	-5859	578407	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 20	440	-6357	-3003	-268473	0.62	0.75	154.52	0.15	1267		0.42	No
SLU 20	720	-2734	-3045	273212	0.27	0	0	0.05	0		0	No
SLU 22	440	-6427	-2949	-268136	0.62	0.75	156.05	0.15	1281		0.43	No
SLU 22	720	-2621	-2986	274179	0.25	0	0	0.05	0		0	No
SLU 25	440	-6464	-2968	-270879	0.63	0.76	155.51	0.15	1284		0.43	No
SLU 25	720	-2700	-3010	274145	0.26	0	0	0.05	0		0	No

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 27	440	-6513	-2959	-272982	0.63	0.76	155.48	0.15	1291		0.44	No
SLU 27	720	-2688	-3001	275278	0.26	0	0	0.05	0		0	No
SLU 29	440	-6479	-2981	-274056	0.63	0.76	154.32	0.15	1283		0.43	No
SLU 29	720	-2730	-3026	273880	0.26	0	0	0.05	0		0	No
SLU 1	440	-4901	-2276	-204496	0.48	0.57	156.05	0.13	1077		0.47	No
SLU 1	720	-2035	-2306	209340	0.2	0	0	0.05	0		0	No
SLU 21	440	-6405	-2994	-270576	0.62	0.75	154.49	0.15	1274		0.43	No
SLU 21	720	-2721	-3037	274345	0.26	0	0	0.05	0		0	No
SLU 26	440	-6494	-2934	-269802	0.63	0.75	156.58	0.15	1291		0.44	No
SLU 26	720	-2627	-2972	274369	0.25	0	0	0.05	0		0	No
SLU 23	440	-6446	-2974	-271316	0.63	0.76	154.94	0.15	1280		0.43	No
SLU 23	720	-2682	-3015	275089	0.26	0	0	0.05	0		0	No
SLU 24	440	-6446	-2943	-267699	0.63	0.75	156.62	0.15	1285		0.44	No
SLU 24	720	-2639	-2981	273236	0.26	0	0	0.05	0		0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 13	440	-565	-1824	-79011	0.05	0	0	0.06	0		0	No
SLV 13	720	-3330	-3762	94526	0.32	0.32	187.48	0.12	1191		0.32	No
SLV 10	440	-3498	1164	-97561	0.34	0.34	187.48	0.12	1220		1.05	Si
SLV 10	720	401	-3372	-161068	-0.04	0	0	0.06	0		0	No
SLV 7	440	-6396	-5733	-318255	0.62	0.88	131.94	0.21	1514		0.26	No
SLV 7	720	-4539	-1262	581169	0.44	0	0	0.06	0		0	No
SLV 9	440	-3498	1164	-97561	0.34	0.34	187.48	0.12	1220		1.05	Si
SLV 9	720	401	-3372	-161068	-0.04	0	0	0.06	0		0	No
SLD 1	440	-6824	-1523	-243263	0.66	0.71	174.28	0.29	2767		1.82	Si
SLD 1	720	-687	-1860	162636	0.07	0	0	0.1	0		0	No
SLV 14	440	-565	-1824	-79011	0.05	0	0	0.06	0		0	No
SLV 14	720	-3330	-3762	94526	0.32	0.32	187.48	0.12	1191		0.32	No
SLV 6	440	-6101	1542	-160722	0.59	0.59	187.48	0.16	1653		1.07	Si
SLV 6	720	1721	-2627	-158306	-0.17	0	0	0.06	0		0	No
SLV 12	440	-3793	-6111	-255095	0.37	0.87	79.47	0.21	902		0.15	No
SLV 12	720	-5859	-2006	578407	0.57	0	0	0.06	0		0	No
SLV 8	440	-6396	-5733	-318255	0.62	0.88	131.94	0.21	1514		0.26	No
SLV 8	720	-4539	-1262	581169	0.44	0	0	0.06	0		0	No
SLV 11	440	-3793	-6111	-255095	0.37	0.87	79.47	0.21	902		0.15	No
SLV 11	720	-5859	-2006	578407	0.57	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 9	3	0.69	0	12	88158	0	0	No
SLV 6	3	0.69	0	647	88158	0	0	No
SLV 10	3	0.69	0	12	88158	0	0	No
SLV 5	3	0.69	0	647	88158	0	0	No
SLV 1	3	0.69	2.61	-1285	88158	33667	0.38	No
SLV 2	3	0.69	2.61	-1285	88158	33667	0.38	No
SLV 13	3	0.69	6.91	-3401	88158	81760	0.93	No
SLV 14	3	0.69	6.91	-3401	88158	81760	0.93	No
SLV 4	3	0.69	7.27	-3576	88158	85335	0.97	No
SLV 3	3	0.69	7.27	-3576	88158	85335	0.97	No

Maschio 74

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3013.7	1194.6	2823.7	1194.6	L4	L7	190	80	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	3442	0	1	0	6.95	1.98	0	0	0	0	0	No
SLU 1	618	-3477	0	1	0	6.95	1.98	0	4.47	0.8	1	29907	Si
SLU 1	408	-10016	0	1	0	6.95	1.98	0	8.93	0.66	1	24644	Si
SLU 21	828	4515	0	1	0	6.74	1.98	0	0	0	0	0	No
SLU 21	618	-4504	0	1	0	6.74	1.98	0	4.36	0.8	1	30061	Si
SLU 21	408	-12965	0	1	0	6.74	1.98	0	8.72	0.66	1	24833	Si
SLU 22	828	4404	0	1	0	6.91	1.98	0	0	0	0	0	No
SLU 22	618	-4631	0	1	0	6.91	1.98	0	4.45	0.8	1	29937	Si
SLU 22	408	-13107	0	1	0	6.91	1.98	0	8.89	0.66	1	24681	Si
SLU 23	828	4436	0	1	0	6.86	1.98	0	0	0	0	0	No
SLU 23	618	-4604	0	1	0	6.86	1.98	0	4.42	0.8	1	29973	Si
SLU 23	408	-13052	0	1	0	6.86	1.98	0	8.84	0.66	1	24726	Si
SLU 24	828	4295	0	1	0	7.69	1.98	0	0	0	0	0	No
SLU 24	618	-4693	0	1	0	7.69	1.98	0	4.84	0.78	1	29366	Si
SLU 24	408	-13167	0	1	0	7.69	1.98	0	9.67	0.64	1	23978	Si
SLU 25	828	4327	0	1	0	7.63	1.98	0	0	0	0	0	No
SLU 25	618	-4665	0	1	0	7.63	1.98	0	4.81	0.78	1	29407	Si
SLU 25	408	-13111	0	1	0	7.63	1.98	0	9.61	0.64	1	24029	Si
SLU 26	828	4230	0	1	0	7.81	1.98	0	0	0	0	0	No
SLU 26	618	-4780	0	1	0	7.81	1.98	0	4.89	0.78	1	29279	Si
SLU 26	408	-13230	0	1	0	7.81	1.98	0	9.79	0.64	1	23872	Si
SLU 20	828	4580	0	1	0	6.65	1.98	0	0	0	0	0	No
SLU 20	618	-4416	0	1	0	6.65	1.98	0	4.31	0.8	1	30131	Si
SLU 20	408	-12903	0	1	0	6.65	1.98	0	8.63	0.66	1	24919	Si
SLU 27	828	4262	0	1	0	7.75	1.98	0	0	0	0	0	No
SLU 27	618	-4752	0	1	0	7.75	1.98	0	4.87	0.78	1	29322	Si
SLU 27	408	-13174	0	1	0	7.75	1.98	0	9.73	0.64	1	23925	Si

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 29	828	4405	0	1	0	7.35	1.98	0	0	0	0	0	No
SLU 29	618	-4603	0	1	0	7.35	1.98	0	4.66	0.79	1	29616	Si
SLU 29	408	-13016	0	1	0	7.35	1.98	0	9.33	0.65	1	24286	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 1.5 (SLD), γM = 2.4 (SLV)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLD 1	408	-10865	241776	0.71	856422	3.542	Si
SLD 1	828	950	-91606	0	0	0	No
SLV 6	408	-15221	446344	1	894050	2.003	Si
SLV 6	828	1901	-397566	0	0	0	No
SLV 9	408	-14976	246028	0.99	888394	3.611	Si
SLV 9	828	5318	-387379	0	0	0	No
SLV 13	408	-11133	-189674	0.73	762338	4.019	Si
SLV 13	828	9166	-126821	0	0	0	No
SLV 8	408	-5058	-130798	0.33	419591	3.208	Si
SLV 8	828	1502	312929	0	0	0	No
SLV 12	408	-4813	-331115	0.32	402058	1.214	Si
SLV 12	828	4920	323116	0	0	0	No
SLV 10	408	-14976	246028	0.99	888394	3.611	Si
SLV 10	828	5318	-387379	0	0	0	No
SLV 14	408	-11133	-189674	0.73	762338	4.019	Si
SLV 14	828	9166	-126821	0	0	0	No
SLV 11	408	-4813	-331115	0.32	402058	1.214	Si
SLV 11	828	4920	323116	0	0	0	No
SLV 7	408	-5058	-130798	0.33	419591	3.208	Si
SLV 7	828	1502	312929	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 21	408	-12965	-865	67905	0.85	0.85	190	0.16	2479		2.87	Si
SLU 21	828	4515	-859	-41023	-0.3	0	0	0.05	0		0	No
SLU 23	408	-13052	-761	78713	0.86	0.86	190	0.16	2491		3.27	Si
SLU 23	828	4436	-753	-57948	-0.29	0	0	0.05	0		0	No
SLU 22	408	-13107	-687	87226	0.86	0.86	190	0.16	2498		3.63	Si
SLU 22	828	4404	-678	-70471	-0.29	0	0	0.05	0		0	No
SLU 27	408	-13174	-708	83577	0.87	0.87	190	0.16	2507		3.54	Si
SLU 27	828	4262	-700	-64934	-0.28	0	0	0.05	0		0	No
SLU 1	408	-10016	-610	59154	0.66	0.66	190	0.14	2086		3.42	Si
SLU 1	828	3442	-603	-40245	-0.23	0	0	0.05	0		0	No
SLU 24	408	-13167	-707	84932	0.87	0.87	190	0.16	2506		3.55	Si
SLU 24	828	4295	-697	-65900	-0.28	0	0	0.05	0		0	No
SLU 25	408	-13111	-781	76419	0.86	0.86	190	0.16	2499		3.2	Si
SLU 25	828	4327	-773	-53376	-0.28	0	0	0.05	0		0	No
SLU 20	408	-12903	-937	60747	0.85	0.85	190	0.16	2471		2.64	Si
SLU 20	828	4580	-932	-29465	-0.3	0	0	0.05	0		0	No
SLU 29	408	-13016	-823	72387	0.86	0.86	190	0.16	2486		3.02	Si
SLU 29	828	4405	-818	-43941	-0.29	0	0	0.05	0		0	No
SLU 26	408	-13230	-635	92091	0.87	0.87	190	0.17	2515		3.96	Si
SLU 26	828	4230	-624	-77457	-0.28	0	0	0.05	0		0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 7	408	-5058	47	-130798	0.33	0.33	190	0.12	1781		37.56	Si
SLV 7	828	1502	-3142	312929	-0.1	0	0	0.06	0		0	No
SLV 9	408	-14976	-1286	246028	0.99	0.99	190	0.23	3434		2.67	Si
SLV 9	828	5318	1913	-387379	-0.35	0	0	0.06	0		0	No
SLV 10	408	-14976	-1286	246028	0.99	0.99	190	0.23	3434		2.67	Si
SLV 10	828	5318	1913	-387379	-0.35	0	0	0.06	0		0	No
SLV 14	408	-11133	-6054	-189674	0.73	0.73	190	0.18	2794		0.46	No
SLV 14	828	9166	2925	-126821	-0.6	0	0	0.06	0		0	No
SLV 6	408	-15221	2165	446344	1	1	190	0.23	3475		1.61	Si
SLV 6	828	1901	80	-397566	-0.13	0	0	0.06	0		0	No
SLV 13	408	-11133	-6054	-189674	0.73	0.73	190	0.18	2794		0.46	No
SLV 13	828	9166	2925	-126821	-0.6	0	0	0.06	0		0	No
SLV 11	408	-4813	-3404	-331115	0.32	0.77	78.62	0.19	1190		0.35	No
SLV 11	828	4920	-1308	323116	-0.32	0	0	0.06	0		0	No
SLD 1	408	-10865	2050	241776	0.71	0.71	190	0.29	4399		2.15	Si
SLD 1	828	950	-1747	-91606	-0.06	0	0	0.1	0		0	No
SLV 12	408	-4813	-3404	-331115	0.32	0.77	78.62	0.19	1190		0.35	No
SLV 12	828	4920	-1308	323116	-0.32	0	0	0.06	0		0	No
SLV 8	408	-5058	47	-130798	0.33	0.33	190	0.12	1781		37.56	Si
SLV 8	828	1502	-3142	312929	-0.1	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.15 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 8	3	0.69	0	1022	129954	0	0	No
SLV 7	3	0.69	0	1022	129954	0	0	No
SLV 11	3	0.69	0	1735	129954	0	0	No
SLV 12	3	0.69	0	1735	129954	0	0	No
SLV 15	3	0.69	1.72	-859	129954	33601	0.26	No
SLV 16	3	0.69	1.72	-859	129954	33601	0.26	No
SLV 4	3	0.69	6.49	-3235	129954	118907	0.91	No
SLV 3	3	0.69	6.49	-3235	129954	118907	0.91	No
SLV 14	3	0.69	7.61	-3794	129954	137326	1.06	Si
SLV 13	3	0.69	7.61	-3794	129954	137326	1.06	Si

Maschio 75

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3013.7	1244.8	3013.7	1194.6	L4	L7	50.2	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	922	0	1	0	0	1.98	0	0	0	0	0	No
SLU 1	618	-385	0	1	0	0	1.98	0	1.98	0.81	1	5527	Si
SLU 1	408	-1751	0	1	0	0	1.98	0	1.98	0.81	1	5527	Si
SLU 21	828	1155	0	1	0	0	1.98	0	0	0	0	0	No
SLU 21	618	-586	0	1	0	0	1.98	0	1.98	0.81	1	5527	Si
SLU 21	408	-2407	0	1	0	0	1.98	0	1.98	0.81	1	5527	Si
SLU 22	828	1060	0	1	0	0	1.98	0	0	0	0	0	No
SLU 22	618	-559	0	1	0	0	1.98	0	1.98	0.81	1	5527	Si
SLU 22	408	-2297	0	1	0	0	1.98	0	1.98	0.81	1	5527	Si
SLU 23	828	1055	0	1	0	0	1.98	0	0	0	0	0	No
SLU 23	618	-616	0	1	0	0	1.98	0	1.98	0.81	1	5527	Si
SLU 23	408	-2396	0	1	0	0	1.98	0	1.98	0.81	1	5527	Si
SLU 24	828	1088	0	1	0	0	1.98	0	0	0	0	0	No
SLU 24	618	-568	0	1	0	0	1.98	0	1.98	0.81	1	5527	Si
SLU 24	408	-2313	0	1	0	0	1.98	0	1.98	0.81	1	5527	Si
SLU 25	828	1083	0	1	0	0	1.98	0	0	0	0	0	No
SLU 25	618	-624	0	1	0	0	1.98	0	1.98	0.81	1	5527	Si
SLU 25	408	-2411	0	1	0	0	1.98	0	1.98	0.81	1	5527	Si
SLU 26	828	986	0	1	0	0	1.98	0	0	0	0	0	No
SLU 26	618	-621	0	1	0	0	1.98	0	1.98	0.81	1	5527	Si
SLU 26	408	-2344	0	1	0	0	1.98	0	1.98	0.81	1	5527	Si
SLU 20	828	1257	0	1	0	0	1.98	0	0	0	0	0	No
SLU 20	618	-532	0	1	0	0	1.98	0	1.98	0.81	1	5527	Si
SLU 20	408	-2376	0	1	0	0	1.98	0	1.98	0.81	1	5527	Si
SLU 27	828	981	0	1	0	0	1.98	0	0	0	0	0	No
SLU 27	618	-678	0	1	0	0	1.98	0	1.98	0.81	1	5527	Si
SLU 27	408	-2442	0	1	0	0	1.98	0	1.98	0.81	1	5527	Si
SLU 29	828	1064	0	1	0	0	1.98	0	0	0	0	0	No
SLU 29	618	-677	0	1	0	0	1.98	0	1.98	0.81	1	5527	Si
SLU 29	408	-2497	0	1	0	0	1.98	0	1.98	0.81	1	5527	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 21	440	-1946	-2	5306	0.71	0.71	50.17	0.14	396		233.95	Si
SLU 21	680	-33	-2	-1099	0.01	0	0	0.05	0		0	No
SLU 20	440	-1901	-2	5789	0.69	0.69	50.17	0.14	390		219.37	Si
SLU 20	680	23	-2	-865	-0.01	0	0	0.05	0		0	No
SLU 1	440	-1414	-1	3844	0.51	0.51	50.17	0.12	325		225.86	Si
SLU 1	680	40	-2	-597	-0.01	0	0	0.05	0		0	No
SLU 2	440	-1523	-1	4392	0.55	0.55	50.17	0.12	339		281.83	Si
SLU 2	680	-40	-2	-857	0.01	0.07	10.48	0.06	34		20.85	Si
SLU 26	440	-1938	-2	3933	0.7	0.7	50.17	0.14	395		227.97	Si
SLU 26	680	-73	-2	-1266	0.03	0.06	23.31	0.06	73		32.93	Si
SLU 23	440	-1958	-2	4658	0.71	0.71	50.17	0.14	397		237	Si
SLU 23	680	-65	-2	-1256	0.02	0.07	17.27	0.06	56		25.47	Si
SLU 28	440	-1927	-2	4529	0.7	0.7	50.17	0.14	393		245.88	Si
SLU 28	680	-46	-2	-1104	0.02	0.28	2.96	0.09	14		6.7	Si
SLU 22	440	-1882	-2	4275	0.68	0.68	50.17	0.14	387		210.37	Si
SLU 22	680	-9	-2	-1074	0	0	0	0.05	0		0	No
SLU 19	440	-1792	-2	5241	0.65	0.65	50.17	0.14	375		186.61	Si
SLU 19	680	103	-3	-605	-0.04	0	0	0.05	0		0	No
SLU 24	440	-1893	-2	4416	0.69	0.69	50.17	0.14	389		213.99	Si
SLU 24	680	-17	-2	-1032	0.01	0	0	0.05	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 15	3	0.69	0	1991	23593	0	0	No
SLV 12	3	0.69	0	3837	23593	0	0	No
SLV 16	3	0.69	0	1991	23593	0	0	No
SLV 7	3	0.69	0	3071	23593	0	0	No
SLV 11	3	0.69	0	3837	23593	0	0	No
SLV 8	3	0.69	0	3071	23593	0	0	No
SLV 13	3	0.69	2.71	-357	23593	9328	0.4	No
SLV 14	3	0.69	2.71	-357	23593	9328	0.4	No
SLV 3	3	0.69	4.27	-561	23593	14242	0.6	No
SLV 4	3	0.69	4.27	-561	23593	14242	0.6	No

Maschio 76

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3013.7	1581.6	3013.7	1374.8	L4	L7	206.8	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	7331	0	1	0	0	1.98	0	0	0	0	0	No
SLU 1	618	-6568	0	1	0	0	1.98	0	1.98	0.81	1	22778	Si

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	408	-11544	0	1	0	0	1.98	0	1.98	0.81	1	22778	Si
SLU 21	828	9946	0	1	0	0	1.98	0	0	0	0	0	No
SLU 21	618	-8848	0	1	0	0	1.98	0	1.98	0.81	1	22778	Si
SLU 21	408	-15440	0	1	0	0	1.98	0	1.98	0.81	1	22778	Si
SLU 22	828	9541	0	1	0	0	1.98	0	0	0	0	0	No
SLU 22	618	-8750	0	1	0	0	1.98	0	1.98	0.81	1	22778	Si
SLU 22	408	-15201	0	1	0	0	1.98	0	1.98	0.81	1	22778	Si
SLU 23	828	9858	0	1	0	0	1.98	0	0	0	0	0	No
SLU 23	618	-8942	0	1	0	0	1.98	0	1.98	0.81	1	22778	Si
SLU 23	408	-15493	0	1	0	0	1.98	0	1.98	0.81	1	22778	Si
SLU 24	828	9548	0	1	0	0	1.98	0	0	0	0	0	No
SLU 24	618	-8782	0	1	0	0	1.98	0	1.98	0.81	1	22778	Si
SLU 24	408	-15242	0	1	0	0	1.98	0	1.98	0.81	1	22778	Si
SLU 25	828	9865	0	1	0	0	1.98	0	0	0	0	0	No
SLU 25	618	-8973	0	1	0	0	1.98	0	1.98	0.81	1	22778	Si
SLU 25	408	-15534	0	1	0	0	1.98	0	1.98	0.81	1	22778	Si
SLU 26	828	9596	0	1	0	0	1.98	0	0	0	0	0	No
SLU 26	618	-8957	0	1	0	0	1.98	0	1.98	0.81	1	22778	Si
SLU 26	408	-15420	0	1	0	0	1.98	0	1.98	0.81	1	22778	Si
SLU 20	828	9898	0	1	0	0	1.98	0	0	0	0	0	No
SLU 20	618	-8673	0	1	0	0	1.98	0	1.98	0.81	1	22778	Si
SLU 20	408	-15262	0	1	0	0	1.98	0	1.98	0.81	1	22778	Si
SLU 27	828	9914	0	1	0	0	1.98	0	0	0	0	0	No
SLU 27	618	-9149	0	1	0	0	1.98	0	1.98	0.81	1	22778	Si
SLU 27	408	-15712	0	1	0	0	1.98	0	1.98	0.81	1	22778	Si
SLU 29	828	10150	0	1	0	0	1.98	0	0	0	0	0	No
SLU 29	618	-9081	0	1	0	0	1.98	0	1.98	0.81	1	22778	Si
SLU 29	408	-15735	0	1	0	0	1.98	0	1.98	0.81	1	22778	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 7	440	-7633	-1065799	0	0	0	No
SLV 7	680	-3174	2035258	0	0	0	No
SLV 9	440	-13060	1538001	0	0	0	No
SLV 9	680	-7567	-2300339	0	0	0	No
SLV 12	440	-8120	-1227809	0	0	0	No
SLV 12	680	-3554	2328284	0	0	0	No
SLV 2	440	-10275	920988	0.9	696469	0.756	No
SLV 2	680	-5339	-1315212	0	0	0	No
SLV 5	440	-12573	1700011	0	0	0	No
SLV 5	680	-7186	-2593366	0	0	0	No
SLV 11	440	-8120	-1227809	0	0	0	No
SLV 11	680	-3554	2328284	0	0	0	No
SLV 8	440	-7633	-1065799	0	0	0	No
SLV 8	680	-3174	2035258	0	0	0	No
SLV 10	440	-13060	1538001	0	0	0	No
SLV 10	680	-7567	-2300339	0	0	0	No
SLD 1	440	-10314	538839	0.91	835924	1.551	Si
SLD 1	680	-5355	-655707	0	0	0	No
SLV 6	440	-12573	1700011	0	0	0	No
SLV 6	680	-7186	-2593366	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 12	440	-10978	2090	296683	0.97	0.97	206.78	0.18	2025		0.97	No
SLU 12	680	-6002	2090	-205844	0.53	0.53	206.78	0.12	1362		0.65	No
SLU 14	440	-11072	1929	282111	0.97	0.97	206.78	0.18	2038		1.06	Si
SLU 14	680	-6096	1929	-181727	0.54	0.54	206.78	0.12	1374		0.71	No
SLU 16	440	-11103	2003	288815	0.98	0.98	206.78	0.18	2042		1.02	Si
SLU 16	680	-6127	2003	-192731	0.54	0.54	206.78	0.12	1379		0.69	No
SLU 36	440	-14175	2273	341321	1.25	1.25	206.78	0.22	2452		1.08	Si
SLU 36	680	-7706	2273	-205337	0.68	0.68	206.78	0.14	1589		0.7	No
SLU 32	440	-13968	2193	331964	1.23	1.23	206.78	0.21	2424		1.11	Si
SLU 32	680	-7499	2193	-195361	0.66	0.66	206.78	0.14	1561		0.71	No
SLU 34	440	-13999	2266	338668	1.23	1.23	206.78	0.21	2428		1.07	Si
SLU 34	680	-7530	2266	-206365	0.66	0.66	206.78	0.14	1566		0.69	No
SLU 18	440	-11279	2010	291468	0.99	0.99	206.78	0.18	2065		1.03	Si
SLU 18	680	-6303	2010	-191703	0.55	0.55	206.78	0.12	1402		0.7	No
SLU 29	440	-13698	2347	343883	1.2	1.2	206.78	0.21	2388		1.02	Si
SLU 29	680	-7230	2347	-220507	0.64	0.64	206.78	0.13	1526		0.65	No
SLU 30	440	-13874	2354	346536	1.22	1.22	206.78	0.21	2411		1.02	Si
SLU 30	680	-7405	2354	-219479	0.65	0.65	206.78	0.14	1549		0.66	No
SLU 11	440	-10802	2084	294030	0.95	0.95	206.78	0.18	2002		0.96	No
SLU 11	680	-5826	2084	-206873	0.51	0.52	203.65	0.12	1330		0.64	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 5	440	-12573	18868	1700011	1.11	0	0	0.06	0		0	No
SLV 5	680	-7186	16428	-2593366	0.63	0	0	0.06	0		0	No
SLV 6	440	-12573	18868	1700011	1.11	0	0	0.06	0		0	No
SLV 6	680	-7186	16428	-2593366	0.63	0	0	0.06	0		0	No
SLV 2	440	-10275	9604	920988	0.9	4.53	41.27	0.82	1853		0.19	No
SLV 2	680	-5339	8859	-1315212	0.47	0	0	0.06	0		0	No
SLV 9	440	-13060	16976	1538001	1.15	0	0	0.06	0		0	No
SLV 9	680	-7567	14544	-2300339	0.67	0	0	0.06	0		0	No
SLV 8	440	-7633	-13911	-1065799	0.67	0	0	0.06	0		0	No
SLV 8	680	-3174	-11479	2035258	0.28	0	0	0.06	0		0	No
SLV 11	440	-8120	-15804	-1227809	0.71	0	0	0.06	0		0	No
SLV 11	680	-3554	-13364	2328284	0.31	0	0	0.06	0		0	No
SLV 10	440	-13060	16976	1538001	1.15	0	0	0.06	0		0	No
SLV 10	680	-7567	14544	-2300339	0.67	0	0	0.06	0		0	No
SLV 12	440	-8120	-15804	-1227809	0.71	0	0	0.06	0		0	No
SLV 12	680	-3554	-13364	2328284	0.31	0	0	0.06	0		0	No
SLD 1	440	-10314	5103	538839	0.91	1.22	153.43	0.42	3584		0.7	No
SLD 1	680	-5355	4773	-655707	0.47	0	0	0.1	0		0	No
SLV 7	440	-7633	-13911	-1065799	0.67	0	0	0.06	0		0	No
SLV 7	680	-3174	-11479	2035258	0.28	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 7	3	0.69	8.64	-4687	97231	108649	1.12	Si
SLV 8	3	0.69	8.64	-4687	97231	108649	1.12	Si
SLV 11	3	0.69	9.26	-5023	97231	114873	1.18	Si
SLV 12	3	0.69	9.26	-5023	97231	114873	1.18	Si
SLV 4	3	0.69	10.42	-5654	97231	126013	1.3	Si
SLV 3	3	0.69	10.42	-5654	97231	126013	1.3	Si
SLV 15	3	0.69	12.48	-6772	97231	143958	1.48	Si
SLV 16	3	0.69	12.48	-6772	97231	143958	1.48	Si
SLV 1	3	0.69	12.57	-6817	97231	144639	1.49	Si
SLV 2	3	0.69	12.57	-6817	97231	144639	1.49	Si

Maschio 77

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3013.7	1867.4	3013.7	1711.6	L4	L7	155.8	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 26	828	-916	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 26	618	-3157	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 26	408	-5637	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 24	828	-812	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 24	618	-3097	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 24	408	-5607	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 22	828	-712	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 22	618	-3061	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 22	408	-5596	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 35	828	-1408	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 35	618	-3249	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 35	408	-5590	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 33	828	-1303	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 33	618	-3189	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 33	408	-5560	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 31	828	-1203	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 31	618	-3153	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 31	408	-5549	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 19	828	-502	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 19	618	-2942	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 19	408	-5535	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 28	828	-994	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 28	618	-3033	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 28	408	-5488	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 27	828	-1349	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 27	618	-3103	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 27	408	-5461	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 25	828	-1244	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 25	618	-3043	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si
SLU 25	408	-5430	0	1	0	0	1.98	0	1.98	0.81	1	17168	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 10	440	-8164	2295088	0	0	0	No
SLV 10	680	-4208	-2308681	0	0	0	No
SLV 13	440	-6963	517609	0.81	374553	0.724	No
SLV 13	680	-2517	-521114	0	0	0	No
SLV 11	440	-2396	-2082030	0	0	0	No
SLV 11	680	1592	2071906	0	0	0	No
SLV 6	440	-7464	2505505	0	0	0	No
SLV 6	680	-3917	-2526705	0	0	0	No
SLV 8	440	-1696	-1871613	0	0	0	No
SLV 8	680	1882	1853882	0	0	0	No
SLV 9	440	-8164	2295088	0	0	0	No
SLV 9	680	-4208	-2308681	0	0	0	No
SLD 1	440	-4796	657287	0	0	0	No
SLD 1	680	-1334	-678801	0	0	0	No
SLV 12	440	-2396	-2082030	0	0	0	No
SLV 12	680	1592	2071906	0	0	0	No
SLV 7	440	-1696	-1871613	0	0	0	No
SLV 7	680	1882	1853882	0	0	0	No
SLV 14	440	-6963	517609	0.81	374553	0.724	No
SLV 14	680	-2517	-521114	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 24	440	-6539	2130	246157	0.76	0.98	120.83	0.18	1200		0.56	No
SLU 24	680	-1642	2130	-265306	0.19	0	0	0.05	0		0	No
SLU 20	440	-6306	2398	277724	0.74	1.13	101.65	0.2	1117		0.47	No
SLU 20	680	-1409	2398	-297890	0.16	0	0	0.05	0		0	No
SLU 21	440	-6366	2423	280488	0.74	1.14	101.59	0.2	1125		0.46	No
SLU 21	680	-1469	2423	-301129	0.17	0	0	0.05	0		0	No
SLU 29	440	-6398	2615	302846	0.75	1.27	91.76	0.22	1102		0.42	No
SLU 29	680	-1501	2615	-324950	0.18	0	0	0.05	0		0	No
SLU 26	440	-6599	2155	248921	0.77	0.99	120.6	0.18	1207		0.56	No
SLU 26	680	-1702	2155	-268545	0.2	0	0	0.05	0		0	No

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 22	440	-6504	2083	240732	0.76	0.96	122.72	0.18	1200		0.58	No
SLU 22	680	-1606	2083	-259371	0.19	0	0	0.05	0		0	No
SLU 23	440	-6449	2338	270496	0.75	1.09	107.94	0.19	1153		0.49	No
SLU 23	680	-1552	2338	-290869	0.18	0	0	0.05	0		0	No
SLU 25	440	-6485	2386	275920	0.76	1.11	106.12	0.2	1153		0.48	No
SLU 25	680	-1588	2386	-296804	0.19	0	0	0.05	0		0	No
SLU 1	440	-4935	1621	187552	0.58	0.75	119.75	0.15	983		0.61	No
SLU 1	680	-1168	1621	-201669	0.14	0	0	0.05	0		0	No
SLU 27	440	-6545	2411	278684	0.76	1.12	106.02	0.2	1161		0.48	No
SLU 27	680	-1647	2411	-300044	0.19	0	0	0.05	0		0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 14	440	-6963	4775	517609	0.81	11.78	10.75	2.02	1197		0.25	No
SLV 14	680	-2517	4360	-521114	0.29	0	0	0.06	0		0	No
SLV 12	440	-2396	-18088	-2082030	0.28	0	0	0.06	0		0	No
SLV 12	680	1592	-16255	2071906	-0.19	0	0	0.06	0		0	No
SLV 6	440	-7464	21746	2505505	0.87	0	0	0.06	0		0	No
SLV 6	680	-3917	19913	-2526705	0.46	0	0	0.06	0		0	No
SLV 8	440	-1696	-16420	-1871613	0.2	0	0	0.06	0		0	No
SLV 8	680	1882	-14661	1853882	-0.22	0	0	0.06	0		0	No
SLV 11	440	-2396	-18088	-2082030	0.28	0	0	0.06	0		0	No
SLV 11	680	1592	-16255	2071906	-0.19	0	0	0.06	0		0	No
SLV 9	440	-8164	20079	2295088	0.95	0	0	0.06	0		0	No
SLV 9	680	-4208	18320	-2308681	0.49	0	0	0.06	0		0	No
SLV 13	440	-6963	4775	517609	0.81	11.78	10.75	2.02	1197		0.25	No
SLV 13	680	-2517	4360	-521114	0.29	0	0	0.06	0		0	No
SLD 1	440	-4796	5591	657287	0.56	0	0	0.1	0		0	No
SLD 1	680	-1334	5298	-678801	0.16	0	0	0.1	0		0	No
SLV 7	440	-1696	-16420	-1871613	0.2	0	0	0.06	0		0	No
SLV 7	680	1882	-14661	1853882	-0.22	0	0	0.06	0		0	No
SLV 10	440	-8164	20079	2295088	0.95	0	0	0.06	0		0	No
SLV 10	680	-4208	18320	-2308681	0.49	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 12	3	0.69	0	470	73281	0	0	No
SLV 8	3	0.69	0	815	73281	0	0	No
SLV 11	3	0.69	0	470	73281	0	0	No
SLV 7	3	0.69	0	815	73281	0	0	No
SLV 4	3	0.69	2.03	-830	73281	21989	0.3	No
SLV 3	3	0.69	2.03	-830	73281	21989	0.3	No
SLV 16	3	0.69	4.84	-1979	73281	49641	0.68	No
SLV 15	3	0.69	4.84	-1979	73281	49641	0.68	No
SLV 2	3	0.69	6.32	-2585	73281	62913	0.86	No
SLV 1	3	0.69	6.32	-2585	73281	62913	0.86	No

Maschio 78

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3013.7	2134.7	3013.7	1997.4	L4	L7	137.2	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	193	0	1	0	0	1.98	0	0	0	0	0	No
SLU 1	618	-2033	0	1	0	0	1.98	0	1.98	0.81	1	15119	Si
SLU 1	408	-3721	0	1	0	0	1.98	0	1.98	0.81	1	15119	Si
SLU 4	828	99	0	1	0	0	1.98	0	0	0	0	0	No
SLU 4	618	-2146	0	1	0	0	1.98	0	1.98	0.81	1	15119	Si
SLU 4	408	-3794	0	1	0	0	1.98	0	1.98	0.81	1	15119	Si
SLU 28	828	9	0	1	0	0	1.98	0	0	0	0	0	No
SLU 28	618	-2688	0	1	0	0	1.98	0	1.98	0.81	1	15119	Si
SLU 28	408	-4813	0	1	0	0	1.98	0	1.98	0.81	1	15119	Si
SLU 6	828	2	0	1	0	0	1.98	0	0	0	0	0	No
SLU 6	618	-2173	0	1	0	0	1.98	0	1.98	0.81	1	15119	Si
SLU 6	408	-3799	0	1	0	0	1.98	0	1.98	0.81	1	15119	Si
SLU 26	828	139	0	1	0	0	1.98	0	0	0	0	0	No
SLU 26	618	-2816	0	1	0	0	1.98	0	1.98	0.81	1	15119	Si
SLU 26	408	-4965	0	1	0	0	1.98	0	1.98	0.81	1	15119	Si
SLU 24	828	186	0	1	0	0	1.98	0	0	0	0	0	No
SLU 24	618	-2760	0	1	0	0	1.98	0	1.98	0.81	1	15119	Si
SLU 24	408	-4928	0	1	0	0	1.98	0	1.98	0.81	1	15119	Si
SLU 22	828	283	0	1	0	0	1.98	0	0	0	0	0	No
SLU 22	618	-2733	0	1	0	0	1.98	0	1.98	0.81	1	15119	Si
SLU 22	408	-4924	0	1	0	0	1.98	0	1.98	0.81	1	15119	Si
SLU 19	828	377	0	1	0	0	1.98	0	0	0	0	0	No
SLU 19	618	-2619	0	1	0	0	1.98	0	1.98	0.81	1	15119	Si
SLU 19	408	-4851	0	1	0	0	1.98	0	1.98	0.81	1	15119	Si
SLU 35	828	-229	0	1	0	0	1.98	0	1.98	0.81	1	15119	Si
SLU 35	618	-2885	0	1	0	0	1.98	0	1.98	0.81	1	15119	Si
SLU 35	408	-4927	0	1	0	0	1.98	0	1.98	0.81	1	15119	Si
SLU 33	828	-182	0	1	0	0	1.98	0	1.98	0.81	1	15119	Si
SLU 33	618	-2828	0	1	0	0	1.98	0	1.98	0.81	1	15119	Si
SLU 33	408	-4890	0	1	0	0	1.98	0	1.98	0.81	1	15119	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 7	440	-2076	-2062725	0	0	0	No
SLV 7	680	1541	2091209	0	0	0	No
SLV 14	440	-6081	297390	0.81	289156	0.972	No
SLV 14	680	-3439	-339852	0	0	0	No
SLV 6	440	-5817	2011416	0	0	0	No
SLV 6	680	-2256	-2017855	0	0	0	No
SLV 13	440	-6081	297390	0.81	289156	0.972	No
SLV 13	680	-3439	-339852	0	0	0	No
SLV 10	440	-6543	1878458	0	0	0	No
SLV 10	680	-3415	-1907164	0	0	0	No
SLV 9	440	-6543	1878458	0	0	0	No
SLV 9	680	-3415	-1907164	0	0	0	No
SLV 8	440	-2076	-2062725	0	0	0	No
SLV 8	680	1541	2091209	0	0	0	No
SLD 1	440	-4023	276240	0	0	0	No
SLD 1	680	-335	-262261	0	0	0	No
SLV 12	440	-2802	-2195683	0	0	0	No
SLV 12	680	382	2201900	0	0	0	No
SLV 11	440	-2802	-2195683	0	0	0	No
SLV 11	680	382	2201900	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 21	440	-5559	-1021	-122452	0.74	0.74	137.25	0.15	1114		1.09	Si
SLU 21	680	-1175	-1021	121804	0.16	0	0	0.05	0		0	No
SLU 29	440	-5571	-1095	-132118	0.74	0.75	134.73	0.15	1109		1.01	Si
SLU 29	680	-1187	-1095	129970	0.16	0	0	0.05	0		0	No
SLU 25	440	-5675	-990	-118537	0.75	0.75	137.25	0.15	1129		1.14	Si
SLU 25	680	-1290	-990	118436	0.17	0	0	0.05	0		0	No
SLU 24	440	-5749	-889	-105276	0.76	0.76	137.25	0.15	1139		1.28	Si
SLU 24	680	-1365	-889	107404	0.18	0	0	0.05	0		0	No
SLU 27	440	-5731	-1004	-120249	0.76	0.76	137.25	0.15	1137		1.13	Si
SLU 27	680	-1347	-1004	119986	0.18	0	0	0.05	0		0	No
SLU 26	440	-5806	-903	-106987	0.77	0.77	137.25	0.15	1147		1.27	Si
SLU 26	680	-1422	-903	108954	0.19	0	0	0.05	0		0	No
SLU 1	440	-4333	-687	-81305	0.57	0.57	137.25	0.13	950		1.38	Si
SLU 1	680	-960	-687	82942	0.13	0	0	0.05	0		0	No
SLU 20	440	-5502	-1007	-120740	0.73	0.73	137.25	0.15	1106		1.1	Si
SLU 20	680	-1118	-1007	120254	0.15	0	0	0.05	0		0	No
SLU 23	440	-5648	-991	-118480	0.75	0.75	137.25	0.15	1126		1.14	Si
SLU 23	680	-1263	-991	118626	0.17	0	0	0.05	0		0	No
SLU 22	440	-5722	-890	-105218	0.76	0.76	137.25	0.15	1136		1.28	Si
SLU 22	680	-1338	-890	107594	0.18	0	0	0.05	0		0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 8	440	-2076	-17915	-2062725	0.28	0	0	0.06	0		0	No
SLV 8	680	1541	-17013	2091209	-0.2	0	0	0.06	0		0	No
SLV 9	440	-6543	16376	1878458	0.87	0	0	0.06	0		0	No
SLV 9	680	-3415	15474	-1907164	0.45	0	0	0.06	0		0	No
SLV 13	440	-6081	2380	297390	0.81	1.87	59.15	0.37	1214		0.51	No
SLV 13	680	-3439	4116	-339852	0.46	0	0	0.06	0		0	No
SLV 12	440	-2802	-19230	-2195683	0.37	0	0	0.06	0		0	No
SLV 12	680	382	-17005	2201900	-0.05	0	0	0.06	0		0	No
SLV 7	440	-2076	-17915	-2062725	0.28	0	0	0.06	0		0	No
SLV 7	680	1541	-17013	2091209	-0.2	0	0	0.06	0		0	No
SLV 14	440	-6081	2380	297390	0.81	1.87	59.15	0.37	1214		0.51	No
SLV 14	680	-3439	4116	-339852	0.46	0	0	0.06	0		0	No
SLD 1	440	-4023	2562	276240	0.53	0	0	0.1	0		0	No
SLD 1	680	-335	1379	-262261	0.04	0	0	0.1	0		0	No
SLV 10	440	-6543	16376	1878458	0.87	0	0	0.06	0		0	No
SLV 10	680	-3415	15474	-1907164	0.45	0	0	0.06	0		0	No
SLV 6	440	-5817	17690	2011416	0.77	0	0	0.06	0		0	No
SLV 6	680	-2256	15466	-2017855	0.3	0	0	0.06	0		0	No
SLV 11	440	-2802	-19230	-2195683	0.37	0	0	0.06	0		0	No
SLV 11	680	382	-17005	2201900	-0.05	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 8	3	0.69	0	247	64537	0	0	No
SLV 7	3	0.69	0	247	64537	0	0	No
SLV 3	3	0.69	0.67	-240	64537	6529	0.1	No
SLV 4	3	0.69	0.67	-240	64537	6529	0.1	No
SLV 11	3	0.69	1.32	-474	64537	12714	0.2	No
SLV 12	3	0.69	1.32	-474	64537	12714	0.2	No
SLV 1	3	0.69	3.83	-1378	64537	35266	0.55	No
SLV 2	3	0.69	3.83	-1378	64537	35266	0.55	No
SLV 16	3	0.69	7.34	-2642	64537	62958	0.98	No
SLV 15	3	0.69	7.34	-2642	64537	62958	0.98	No

Maschio 79

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3013.7	2420.8	3013.7	2274.7	L4	L7	146.1	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	8431	0	1	0	0	1.98	0	0	0	0	0	No
SLU 1	618	-4788	0	1	0	0	1.98	0	1.98	0.81	1	16096	Si
SLU 1	408	-8545	0	1	0	0	1.98	0	1.98	0.81	1	16096	Si
SLU 21	828	11669	0	1	0	0	1.98	0	0	0	0	0	No
SLU 21	618	-6563	0	1	0	0	1.98	0	1.98	0.81	1	16096	Si
SLU 21	408	-11595	0	1	0	0	1.98	0	1.98	0.81	1	16096	Si
SLU 22	828	10898	0	1	0	0	1.98	0	0	0	0	0	No
SLU 22	618	-6282	0	1	0	0	1.98	0	1.98	0.81	1	16096	Si
SLU 22	408	-11141	0	1	0	0	1.98	0	1.98	0.81	1	16096	Si
SLU 23	828	11461	0	1	0	0	1.98	0	0	0	0	0	No
SLU 23	618	-6536	0	1	0	0	1.98	0	1.98	0.81	1	16096	Si
SLU 23	408	-11515	0	1	0	0	1.98	0	1.98	0.81	1	16096	Si
SLU 24	828	10936	0	1	0	0	1.98	0	0	0	0	0	No
SLU 24	618	-6339	0	1	0	0	1.98	0	1.98	0.81	1	16096	Si
SLU 24	408	-11204	0	1	0	0	1.98	0	1.98	0.81	1	16096	Si
SLU 25	828	11498	0	1	0	0	1.98	0	0	0	0	0	No
SLU 25	618	-6594	0	1	0	0	1.98	0	1.98	0.81	1	16096	Si
SLU 25	408	-11578	0	1	0	0	1.98	0	1.98	0.81	1	16096	Si
SLU 26	828	10969	0	1	0	0	1.98	0	0	0	0	0	No
SLU 26	618	-6421	0	1	0	0	1.98	0	1.98	0.81	1	16096	Si
SLU 26	408	-11284	0	1	0	0	1.98	0	1.98	0.81	1	16096	Si
SLU 20	828	11635	0	1	0	0	1.98	0	0	0	0	0	No
SLU 20	618	-6481	0	1	0	0	1.98	0	1.98	0.81	1	16096	Si
SLU 20	408	-11515	0	1	0	0	1.98	0	1.98	0.81	1	16096	Si
SLU 27	828	11532	0	1	0	0	1.98	0	0	0	0	0	No
SLU 27	618	-6675	0	1	0	0	1.98	0	1.98	0.81	1	16096	Si
SLU 27	408	-11658	0	1	0	0	1.98	0	1.98	0.81	1	16096	Si
SLU 29	828	12012	0	1	0	0	1.98	0	0	0	0	0	No
SLU 29	618	-6790	0	1	0	0	1.98	0	1.98	0.81	1	16096	Si
SLU 29	408	-11886	0	1	0	0	1.98	0	1.98	0.81	1	16096	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 12	440	-5433	-2146755	0	0	0	No
SLV 12	680	-1870	2267929	0	0	0	No
SLV 13	440	-7607	512662	0.95	355229	0.693	No
SLV 13	680	-4045	-480806	0	0	0	No
SLV 8	440	-5734	-1939557	0	0	0	No
SLV 8	680	-2152	2066064	0	0	0	No
SLV 7	440	-5734	-1939557	0	0	0	No
SLV 7	680	-2152	2066064	0	0	0	No
SLV 9	440	-9318	2316550	0	0	0	No
SLV 9	680	-5721	-2323214	0	0	0	No
SLV 10	440	-9318	2316550	0	0	0	No
SLV 10	680	-5721	-2323214	0	0	0	No
SLV 11	440	-5433	-2146755	0	0	0	No
SLV 11	680	-1870	2267929	0	0	0	No
SLV 14	440	-7607	512662	0.95	355229	0.693	No
SLV 14	680	-4045	-480806	0	0	0	No
SLD 1	440	-8006	637481	0	0	0	No
SLD 1	680	-4399	-582113	0	0	0	No
SLV 6	440	-9619	2523748	0	0	0	No
SLV 6	680	-6002	-2525079	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 22	440	-9538	1667	235153	1.19	1.19	145.21	0.21	1666		1	No
SLU 22	680	-4871	1667	-161164	0.61	0.74	119.92	0.15	975		0.59	No
SLU 24	440	-9595	1688	237755	1.19	1.2	144.84	0.21	1673		0.99	No
SLU 24	680	-4928	1688	-163526	0.61	0.75	119.64	0.15	982		0.58	No
SLU 19	440	-9374	1666	234847	1.17	1.18	144.02	0.21	1641		0.99	No
SLU 19	680	-4707	1666	-161240	0.59	0.74	116.42	0.15	944		0.57	No
SLU 29	440	-10046	1786	252880	1.25	1.27	143.66	0.22	1730		0.97	No
SLU 29	680	-5380	1786	-171913	0.67	0.79	123.31	0.16	1052		0.59	No
SLU 28	440	-9683	1691	239073	1.2	1.21	145.11	0.21	1685		1	No
SLU 28	680	-5016	1691	-163079	0.62	0.75	121.65	0.15	999		0.59	No
SLU 27	440	-9931	1754	247573	1.24	1.25	144.39	0.22	1716		0.98	No
SLU 27	680	-5265	1754	-169672	0.66	0.78	122.49	0.15	1035		0.59	No
SLU 21	440	-9819	1761	248807	1.22	1.25	143.16	0.22	1698		0.96	No
SLU 21	680	-5152	1761	-170036	0.64	0.78	120.17	0.15	1013		0.58	No
SLU 23	440	-9792	1733	244818	1.22	1.23	144.17	0.21	1697		0.98	No
SLU 23	680	-5125	1733	-167348	0.64	0.77	121.22	0.15	1013		0.58	No
SLU 20	440	-9737	1760	248654	1.21	1.24	142.57	0.21	1686		0.96	No
SLU 20	680	-5071	1760	-170075	0.63	0.78	118.55	0.15	998		0.57	No
SLU 25	440	-9849	1754	247420	1.23	1.25	143.81	0.22	1704		0.97	No
SLU 25	680	-5183	1754	-169711	0.64	0.78	120.94	0.15	1020		0.58	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 6	440	-9619	21543	2523748	1.2	0	0	0.06	0		0	No
SLV 6	680	-6002	19691	-2525079	0.75	0	0	0.06	0		0	No
SLV 14	440	-7607	5387	512662	0.95	8.14	16.99	1.42	1325		0.25	No
SLV 14	680	-4045	5529	-480806	0.5	0	0	0.06	0		0	No
SLV 7	440	-5734	-17771	-1939557	0.71	0	0	0.06	0		0	No
SLV 7	680	-2152	-16303	2066064	0.27	0	0	0.06	0		0	No
SLV 8	440	-5734	-17771	-1939557	0.71	0	0	0.06	0		0	No
SLV 8	680	-2152	-16303	2066064	0.27	0	0	0.06	0		0	No
SLV 10	440	-9318	20437	2316550	1.16	0	0	0.06	0		0	No
SLV 10	680	-5721	18969	-2323214	0.71	0	0	0.06	0		0	No
SLV 11	440	-5433	-18877	-2146755	0.68	0	0	0.06	0		0	No
SLV 11	680	-1870	-17025	2267929	0.23	0	0	0.06	0		0	No
SLV 12	440	-5433	-18877	-2146755	0.68	0	0	0.06	0		0	No
SLV 12	680	-1870	-17025	2267929	0.23	0	0	0.06	0		0	No

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 9	440	-9318	20437	2316550	1.16	0	0	0.06	0		0	No
SLV 9	680	-5721	18969	-2323214	0.71	0	0	0.06	0		0	No
SLD 1	440	-8006	4758	637481	1	0	0	0.1	0		0	No
SLD 1	680	-4399	4254	-582113	0.55	0	0	0.1	0		0	No
SLV 13	440	-7607	5387	512662	0.95	8.14	16.99	1.42	1325		0.25	No
SLV 13	680	-4045	5529	-480806	0.5	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 11	3	0.69	7.46	-2860	68708	67983	0.99	No
SLV 12	3	0.69	7.46	-2860	68708	67983	0.99	No
SLV 7	3	0.69	8.61	-3302	68708	76575	1.11	Si
SLV 8	3	0.69	8.61	-3302	68708	76575	1.11	Si
SLV 15	3	0.69	9.66	-3704	68708	83956	1.22	Si
SLV 16	3	0.69	9.66	-3704	68708	83956	1.22	Si
SLV 14	3	0.69	12.7	-4868	68708	102958	1.5	Si
SLV 13	3	0.69	12.7	-4868	68708	102958	1.5	Si
SLV 3	3	0.69	13.5	-5175	68708	107380	1.56	Si
SLV 4	3	0.69	13.5	-5175	68708	107380	1.56	Si

Maschio 80

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3013.7	2707.8	3013.7	2550.8	L4	L7	157.1	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	59	0	1	0	0	1.98	0	0	0	0	0	No
SLU 1	618	-2415	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 1	408	-4571	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 22	828	75	0	1	0	0	1.98	0	0	0	0	0	No
SLU 22	618	-3234	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 22	408	-6030	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 19	828	202	0	1	0	0	1.98	0	0	0	0	0	No
SLU 19	618	-3105	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 19	408	-5943	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 35	828	-457	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 35	618	-3435	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 35	408	-6085	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 26	828	-90	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 26	618	-3333	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 26	408	-6085	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 33	828	-394	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 33	618	-3370	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 33	408	-6042	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 24	828	-27	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 24	618	-3269	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 24	408	-6041	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 31	828	-292	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 31	618	-3336	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 31	408	-6030	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 28	828	-165	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 28	618	-3207	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 28	408	-5943	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 36	828	-806	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 36	618	-3381	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si
SLU 36	408	-5940	0	1	0	0	1.98	0	1.98	0.81	1	17302	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 8	440	-3677	-1967095	0	0	0	No
SLV 8	680	93	2008096	0	0	0	No
SLV 7	440	-3677	-1967095	0	0	0	No
SLV 7	680	93	2008096	0	0	0	No
SLD 1	440	-5194	771680	0	0	0	No
SLD 1	680	-1419	-793521	0	0	0	No
SLV 14	440	-5945	502680	0	0	0	No
SLV 14	680	-2181	-535841	0	0	0	No
SLV 10	440	-6662	2476795	0	0	0	No
SLV 10	680	-2891	-2547917	0	0	0	No
SLV 6	440	-6446	2752896	0	0	0	No
SLV 6	680	-2670	-2823173	0	0	0	No
SLV 12	440	-3894	-2243196	0	0	0	No
SLV 12	680	-128	2283352	0	0	0	No
SLV 11	440	-3894	-2243196	0	0	0	No
SLV 11	680	-128	2283352	0	0	0	No
SLV 13	440	-5945	502680	0	0	0	No
SLV 13	680	-2181	-535841	0	0	0	No
SLV 9	440	-6662	2476795	0	0	0	No
SLV 9	680	-2891	-2547917	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 23	440	-6763	2839	331123	0.78	1.39	88.71	0.23	1143		0.4	No
SLU 23	680	-1861	2839	-350393	0.22	0	0	0.05	0		0	No
SLU 24	440	-6851	2732	319524	0.79	1.3	95.68	0.22	1173		0.43	No

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 24	680	-1949	2732	-336529	0.23	0	0	0.05	0		0	No
SLU 22	440	-6816	2708	316998	0.79	1.29	96.08	0.22	1170		0.43	No
SLU 22	680	-1914	2708	-333285	0.22	0	0	0.05	0		0	No
SLU 20	440	-6611	2892	337365	0.77	1.46	82.5	0.24	1106		0.38	No
SLU 20	680	-1709	2892	-357023	0.2	0	0	0.05	0		0	No
SLU 1	440	-5171	2096	245328	0.6	1.01	93.26	0.18	943		0.45	No
SLU 1	680	-1400	2096	-257898	0.16	0	0	0.05	0		0	No
SLU 29	440	-6713	2946	342441	0.78	1.48	82.55	0.25	1119		0.38	No
SLU 29	680	-1811	2946	-364852	0.21	0	0	0.05	0		0	No
SLU 27	440	-6862	2864	333554	0.79	1.39	89.77	0.23	1159		0.4	No
SLU 27	680	-1960	2864	-353988	0.23	0	0	0.05	0		0	No
SLU 26	440	-6916	2734	319429	0.8	1.3	97.03	0.22	1186		0.43	No
SLU 26	680	-2014	2734	-336880	0.23	0	0	0.05	0		0	No
SLU 25	440	-6798	2863	333649	0.79	1.4	88.34	0.24	1146		0.4	No
SLU 25	680	-1896	2863	-353637	0.22	0	0	0.05	0		0	No
SLU 21	440	-6675	2893	337271	0.77	1.44	84.02	0.24	1118		0.39	No
SLU 21	680	-1773	2893	-357374	0.21	0	0	0.05	0		0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 11	440	-3894	-19766	-2243196	0.45	0	0	0.06	0		0	No
SLV 11	680	-128	-17863	2283352	0.01	0	0	0.06	0		0	No
SLV 12	440	-3894	-19766	-2243196	0.45	0	0	0.06	0		0	No
SLV 12	680	-128	-17863	2283352	0.01	0	0	0.06	0		0	No
SLV 7	440	-3677	-17378	-1967095	0.43	0	0	0.06	0		0	No
SLV 7	680	93	-15642	2008096	-0.01	0	0	0.06	0		0	No
SLD 1	440	-5194	6702	771680	0.6	0	0	0.1	0		0	No
SLD 1	680	-1419	6337	-793521	0.16	0	0	0.1	0		0	No
SLV 9	440	-6662	21749	2476795	0.77	0	0	0.06	0		0	No
SLV 9	680	-2891	20014	-2547917	0.33	0	0	0.06	0		0	No
SLV 14	440	-5945	4432	502680	0.69	0	0	0.06	0		0	No
SLV 14	680	-2181	4166	-535841	0.25	0	0	0.06	0		0	No
SLV 8	440	-3677	-17378	-1967095	0.43	0	0	0.06	0		0	No
SLV 8	680	93	-15642	2008096	-0.01	0	0	0.06	0		0	No
SLV 6	440	-6446	24138	2752896	0.75	0	0	0.06	0		0	No
SLV 6	680	-2670	22235	-2823173	0.31	0	0	0.06	0		0	No
SLV 10	440	-6662	21749	2476795	0.77	0	0	0.06	0		0	No
SLV 10	680	-2891	20014	-2547917	0.33	0	0	0.06	0		0	No
SLV 13	440	-5945	4432	502680	0.69	0	0	0.06	0		0	No
SLV 13	680	-2181	4166	-535841	0.25	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 7	3	0.69	2.24	-924	73855	24374	0.33	No
SLV 8	3	0.69	2.24	-924	73855	24374	0.33	No
SLV 12	3	0.69	2.77	-1143	73855	29845	0.4	No
SLV 11	3	0.69	2.77	-1143	73855	29845	0.4	No
SLV 4	3	0.69	3.97	-1635	73855	41713	0.56	No
SLV 3	3	0.69	3.97	-1635	73855	41713	0.56	No
SLV 16	3	0.69	5.74	-2365	73855	58240	0.79	No
SLV 15	3	0.69	5.74	-2365	73855	58240	0.79	No
SLV 2	3	0.69	5.98	-2463	73855	60370	0.82	No
SLV 1	3	0.69	5.98	-2463	73855	60370	0.82	No

Maschio 81

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3013.7	3005.4	3013.7	2837.8	L4	L7	167.5	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	187	0	1	0	0	1.98	0	0	0	0	0	No
SLU 1	618	-2520	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si
SLU 1	408	-4811	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si
SLU 4	828	44	0	1	0	0	1.98	0	0	0	0	0	No
SLU 4	618	-2656	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si
SLU 4	408	-4902	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si
SLU 28	828	6	0	1	0	0	1.98	0	0	0	0	0	No
SLU 28	618	-3364	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si
SLU 28	408	-6265	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si
SLU 26	828	49	0	1	0	0	1.98	0	0	0	0	0	No
SLU 26	618	-3471	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si
SLU 26	408	-6396	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si
SLU 24	828	121	0	1	0	0	1.98	0	0	0	0	0	No
SLU 24	618	-3403	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si
SLU 24	408	-6351	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si
SLU 22	828	225	0	1	0	0	1.98	0	0	0	0	0	No
SLU 22	618	-3366	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si
SLU 22	408	-6340	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si
SLU 19	828	368	0	1	0	0	1.98	0	0	0	0	0	No
SLU 19	618	-3230	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si
SLU 19	408	-6250	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si
SLU 35	828	-313	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si
SLU 35	618	-3605	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si
SLU 35	408	-6412	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 33	828	-241	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si
SLU 33	618	-3537	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si
SLU 33	408	-6366	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si
SLU 31	828	-138	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si
SLU 31	618	-3501	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si
SLU 31	408	-6355	0	1	0	0	1.98	0	1.98	0.81	1	18456	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 8	440	-5447	-2229464	0	0	0	No
SLV 8	680	-1322	2280626	0	0	0	No
SLV 11	440	-5661	-2490803	0	0	0	No
SLV 11	680	-1606	2535953	0	0	0	No
SLV 10	440	-5633	2074869	0	0	0	No
SLV 10	680	-1556	-2138867	0	0	0	No
SLV 14	440	-5892	171989	0.64	373271	2.17	Si
SLV 14	680	-1905	-204799	0	0	0	No
SLV 13	440	-5892	171989	0.64	373271	2.17	Si
SLV 13	680	-1905	-204799	0	0	0	No
SLV 7	440	-5447	-2229464	0	0	0	No
SLV 7	680	-1322	2280626	0	0	0	No
SLD 1	440	-5381	418383	0.58	388025	0.927	No
SLD 1	680	-1226	-427637	0	0	0	No
SLV 12	440	-5661	-2490803	0	0	0	No
SLV 12	680	-1606	2535953	0	0	0	No
SLV 6	440	-5419	2336208	0	0	0	No
SLV 6	680	-1272	-2394194	0	0	0	No
SLV 9	440	-5633	2074869	0	0	0	No
SLV 9	680	-1556	-2138867	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 12	440	-5696	-965	-123662	0.62	0.62	167.54	0.13	1215		1.26	Si
SLU 12	680	-1595	-965	109231	0.17	0.63	45.9	0.13	337		0.35	No
SLU 34	440	-7411	-1001	-126937	0.8	0.8	167.54	0.16	1443		1.44	Si
SLU 34	680	-2080	-1001	115013	0.23	0.44	85.42	0.11	509		0.51	No
SLU 29	440	-7234	-990	-126348	0.79	0.79	167.54	0.15	1420		1.43	Si
SLU 29	680	-1903	-990	112931	0.21	0.47	73.26	0.11	453		0.46	No
SLU 11	440	-5628	-932	-119542	0.61	0.61	167.54	0.13	1205		1.29	Si
SLU 11	680	-1527	-932	105443	0.17	0.63	44.15	0.13	324		0.35	No
SLU 36	440	-7480	-1034	-131057	0.81	0.81	167.54	0.16	1452		1.41	Si
SLU 36	680	-2148	-1034	118801	0.23	0.46	85.4	0.11	518		0.5	No
SLU 18	440	-5874	-976	-124252	0.64	0.64	167.54	0.13	1238		1.27	Si
SLU 18	680	-1772	-976	111313	0.19	0.51	62.9	0.12	407		0.42	No
SLU 32	440	-7375	-973	-123384	0.8	0.8	167.54	0.16	1438		1.48	Si
SLU 32	680	-2043	-973	111803	0.22	0.43	87.16	0.11	509		0.52	No
SLU 16	440	-5805	-943	-120132	0.63	0.63	167.54	0.13	1229		1.3	Si
SLU 16	680	-1704	-943	107526	0.18	0.5	62.02	0.12	396		0.42	No
SLU 30	440	-7303	-1023	-130468	0.79	0.79	167.54	0.16	1429		1.4	Si
SLU 30	680	-1971	-1023	116718	0.21	0.49	73.66	0.11	463		0.45	No
SLU 14	440	-5769	-915	-116578	0.63	0.63	167.54	0.13	1224		1.34	Si
SLU 14	680	-1668	-915	104316	0.18	0.48	63.63	0.11	395		0.43	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 7	440	-5447	-19737	-2229464	0.59	0	0	0.06	0		0	No
SLV 7	680	-1322	-17819	2280626	0.14	0	0	0.06	0		0	No
SLV 9	440	-5633	18514	2074869	0.61	0	0	0.06	0		0	No
SLV 9	680	-1556	16596	-2138867	0.17	0	0	0.06	0		0	No
SLV 8	440	-5447	-19737	-2229464	0.59	0	0	0.06	0		0	No
SLV 8	680	-1322	-17819	2280626	0.14	0	0	0.06	0		0	No
SLV 14	440	-5892	1748	171989	0.64	0.65	163.74	0.17	1538		0.88	No
SLV 14	680	-1905	1415	-204799	0.21	0	0	0.06	0		0	No
SLD 1	440	-5381	3717	418383	0.58	5.42	18.03	1.55	1533		0.41	No
SLD 1	680	-1226	3334	-427637	0.13	0	0	0.1	0		0	No
SLV 13	440	-5892	1748	171989	0.64	0.65	163.74	0.17	1538		0.88	No
SLV 13	680	-1905	1415	-204799	0.21	0	0	0.06	0		0	No
SLV 11	440	-5661	-21964	-2490803	0.61	0	0	0.06	0		0	No
SLV 11	680	-1606	-19886	2535953	0.17	0	0	0.06	0		0	No
SLV 10	440	-5633	18514	2074869	0.61	0	0	0.06	0		0	No
SLV 10	680	-1556	16596	-2138867	0.17	0	0	0.06	0		0	No
SLV 6	440	-5419	20741	2336208	0.59	0	0	0.06	0		0	No
SLV 6	680	-1272	18663	-2394194	0.14	0	0	0.06	0		0	No
SLV 12	440	-5661	-21964	-2490803	0.61	0	0	0.06	0		0	No
SLV 12	680	-1606	-19886	2535953	0.17	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 1	3	0.69	4.71	-2069	78781	52017	0.66	No
SLV 2	3	0.69	4.71	-2069	78781	52017	0.66	No
SLV 4	3	0.69	4.74	-2083	78781	52348	0.66	No
SLV 3	3	0.69	4.74	-2083	78781	52348	0.66	No
SLV 5	3	0.69	5.43	-2386	78781	59131	0.75	No
SLV 6	3	0.69	5.43	-2386	78781	59131	0.75	No
SLV 8	3	0.69	5.54	-2434	78781	60196	0.76	No
SLV 7	3	0.69	5.54	-2434	78781	60196	0.76	No
SLV 10	3	0.69	6.08	-2672	78781	65358	0.83	No
SLV 9	3	0.69	6.08	-2672	78781	65358	0.83	No

Maschio 82

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3013.7	3289.1	3013.7	3135.4	L4	L7	153.7	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	5749	0	1	0	0	1.98	0	0	0	0	0	No
SLU 1	618	-4100	0	1	0	0	1.98	0	1.98	0.81	1	16931	Si
SLU 1	408	-7816	0	1	0	0	1.98	0	1.98	0.81	1	16931	Si
SLU 21	828	7866	0	1	0	0	1.98	0	0	0	0	0	No
SLU 21	618	-5493	0	1	0	0	1.98	0	1.98	0.81	1	16931	Si
SLU 21	408	-10530	0	1	0	0	1.98	0	1.98	0.81	1	16931	Si
SLU 22	828	7445	0	1	0	0	1.98	0	0	0	0	0	No
SLU 22	618	-5432	0	1	0	0	1.98	0	1.98	0.81	1	16931	Si
SLU 22	408	-10222	0	1	0	0	1.98	0	1.98	0.81	1	16931	Si
SLU 23	828	7757	0	1	0	0	1.98	0	0	0	0	0	No
SLU 23	618	-5541	0	1	0	0	1.98	0	1.98	0.81	1	16931	Si
SLU 23	408	-10499	0	1	0	0	1.98	0	1.98	0.81	1	16931	Si
SLU 24	828	7439	0	1	0	0	1.98	0	0	0	0	0	No
SLU 24	618	-5472	0	1	0	0	1.98	0	1.98	0.81	1	16931	Si
SLU 24	408	-10258	0	1	0	0	1.98	0	1.98	0.81	1	16931	Si
SLU 25	828	7750	0	1	0	0	1.98	0	0	0	0	0	No
SLU 25	618	-5580	0	1	0	0	1.98	0	1.98	0.81	1	16931	Si
SLU 25	408	-10535	0	1	0	0	1.98	0	1.98	0.81	1	16931	Si
SLU 26	828	7463	0	1	0	0	1.98	0	0	0	0	0	No
SLU 26	618	-5566	0	1	0	0	1.98	0	1.98	0.81	1	16931	Si
SLU 26	408	-10346	0	1	0	0	1.98	0	1.98	0.81	1	16931	Si
SLU 20	828	7842	0	1	0	0	1.98	0	0	0	0	0	No
SLU 20	618	-5398	0	1	0	0	1.98	0	1.98	0.81	1	16931	Si
SLU 20	408	-10442	0	1	0	0	1.98	0	1.98	0.81	1	16931	Si
SLU 27	828	7774	0	1	0	0	1.98	0	0	0	0	0	No
SLU 27	618	-5674	0	1	0	0	1.98	0	1.98	0.81	1	16931	Si
SLU 27	408	-10623	0	1	0	0	1.98	0	1.98	0.81	1	16931	Si
SLU 29	828	8064	0	1	0	0	1.98	0	0	0	0	0	No
SLU 29	618	-5653	0	1	0	0	1.98	0	1.98	0.81	1	16931	Si
SLU 29	408	-10775	0	1	0	0	1.98	0	1.98	0.81	1	16931	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 2	440	-4573	701735	0	0	0	No
SLV 2	680	-739	-705585	0	0	0	No
SLV 6	440	-3405	1323717	0	0	0	No
SLV 6	680	-172	-1491448	0	0	0	No
SLV 11	440	-10406	-1238044	0	0	0	No
SLV 11	680	-6336	1479701	0	0	0	No
SLV 5	440	-3405	1323717	0	0	0	No
SLV 5	680	-172	-1491448	0	0	0	No
SLV 9	440	-4250	1142639	0	0	0	No
SLV 9	680	-1220	-1323949	0	0	0	No
SLV 8	440	-9561	-1056966	0	0	0	No
SLV 8	680	-5287	1312203	0	0	0	No
SLV 10	440	-4250	1142639	0	0	0	No
SLV 10	680	-1220	-1323949	0	0	0	No
SLV 12	440	-10406	-1238044	0	0	0	No
SLV 12	680	-6336	1479701	0	0	0	No
SLD 1	440	-5875	334280	0.7	376733	1.127	Si
SLD 1	680	-2142	-315448	0	0	0	No
SLV 7	440	-9561	-1056966	0	0	0	No
SLV 7	680	-5287	1312203	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 20	440	-8870	304	63533	1.05	1.05	153.7	0.19	1600		5.26	Si
SLU 20	680	-4123	304	-9627	0.49	0.49	153.7	0.11	967		3.18	Si
SLU 19	440	-8715	369	58778	1.03	1.03	153.7	0.19	1579		4.28	Si
SLU 19	680	-3968	369	-29920	0.47	0.47	153.7	0.11	946		2.57	Si
SLU 28	440	-8969	268	50990	1.06	1.06	153.7	0.19	1613		6.02	Si
SLU 28	680	-4222	268	-13495	0.5	0.5	153.7	0.12	980		3.66	Si
SLU 1	440	-6771	257	43160	0.8	0.8	153.7	0.16	1320		5.14	Si
SLU 1	680	-3119	257	-18683	0.37	0.37	153.7	0.1	833		3.24	Si
SLU 4	440	-6960	221	38169	0.82	0.82	153.7	0.16	1345		6.08	Si
SLU 4	680	-3308	221	-15106	0.39	0.39	153.7	0.1	858		3.88	Si
SLU 24	440	-8943	300	50153	1.06	1.06	153.7	0.19	1610		5.36	Si
SLU 24	680	-4196	300	-22076	0.5	0.5	153.7	0.12	977		3.26	Si
SLU 23	440	-9012	288	57116	1.07	1.07	153.7	0.19	1619		5.63	Si
SLU 23	680	-4265	288	-12137	0.5	0.5	153.7	0.12	986		3.43	Si
SLU 21	440	-8965	286	61038	1.06	1.06	153.7	0.19	1613		5.64	Si
SLU 21	680	-4217	286	-7838	0.5	0.5	153.7	0.12	980		3.42	Si
SLU 22	440	-8904	333	53788	1.05	1.05	153.7	0.19	1605		4.82	Si
SLU 22	680	-4156	333	-26342	0.49	0.49	153.7	0.11	972		2.92	Si
SLU 26	440	-9038	282	47658	1.07	1.07	153.7	0.19	1622		5.75	Si
SLU 26	680	-4290	282	-20287	0.51	0.51	153.7	0.12	989		3.51	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 6	440	-3405	12190	1323717	0.4	0	0	0.06	0		0	No
SLV 6	680	-172	10843	-1491448	0.02	0	0	0.06	0		0	No
SLV 10	440	-4250	10876	1142639	0.5	0	0	0.06	0		0	No
SLV 10	680	-1220	9413	-1323949	0.14	0	0	0.06	0		0	No
SLD 1	440	-5875	2676	334280	0.7	1.78	59.85	0.57	1892		0.71	No
SLD 1	680	-2142	2574	-315448	0.25	0	0	0.1	0		0	No

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 7	440	-9561	-10471	-1056966	1.13	0	0	0.06	0		0	No
SLV 7	680	-5287	-9009	1312203	0.63	0	0	0.06	0		0	No
SLV 2	440	-4573	5792	701735	0.54	0	0	0.06	0		0	No
SLV 2	680	-739	5563	-705585	0.09	0	0	0.06	0		0	No
SLV 8	440	-9561	-10471	-1056966	1.13	0	0	0.06	0		0	No
SLV 8	680	-5287	-9009	1312203	0.63	0	0	0.06	0		0	No
SLV 9	440	-4250	10876	1142639	0.5	0	0	0.06	0		0	No
SLV 9	680	-1220	9413	-1323949	0.14	0	0	0.06	0		0	No
SLV 11	440	-10406	-11786	-1238044	1.23	0	0	0.06	0		0	No
SLV 11	680	-6336	-10439	1479701	0.75	0	0	0.06	0		0	No
SLV 5	440	-3405	12190	1323717	0.4	0	0	0.06	0		0	No
SLV 5	680	-172	10843	-1491448	0.02	0	0	0.06	0		0	No
SLV 12	440	-10406	-11786	-1238044	1.23	0	0	0.06	0		0	No
SLV 12	680	-6336	-10439	1479701	0.75	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 5	3	0.69	2.47	-997	72272	26176	0.36	No
SLV 6	3	0.69	2.47	-997	72272	26176	0.36	No
SLV 1	3	0.69	4.43	-1788	72272	45203	0.63	No
SLV 2	3	0.69	4.43	-1788	72272	45203	0.63	No
SLV 10	3	0.69	4.88	-1970	72272	49354	0.68	No
SLV 9	3	0.69	4.88	-1970	72272	49354	0.68	No
SLV 3	3	0.69	8.53	-3439	72272	79907	1.11	Si
SLV 4	3	0.69	8.53	-3439	72272	79907	1.11	Si
SLV 14	3	0.69	12.48	-5031	72272	106968	1.48	Si
SLV 13	3	0.69	12.48	-5031	72272	106968	1.48	Si

Maschio 83

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3013.7	3538.4	3013.7	3419.1	L4	L7	119.3	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	232	0	1	0	0	1.98	0	0	0	0	0	No
SLU 1	618	-1999	0	1	0	0	1.98	0	1.98	0.81	1	13146	Si
SLU 1	408	-4388	0	1	0	0	1.98	0	1.98	0.81	1	13146	Si
SLU 21	828	316	0	1	0	0	1.98	0	0	0	0	0	No
SLU 21	618	-2506	0	1	0	0	1.98	0	1.98	0.81	1	13146	Si
SLU 21	408	-5611	0	1	0	0	1.98	0	1.98	0.81	1	13146	Si
SLU 22	828	265	0	1	0	0	1.98	0	0	0	0	0	No
SLU 22	618	-2664	0	1	0	0	1.98	0	1.98	0.81	1	13146	Si
SLU 22	408	-5755	0	1	0	0	1.98	0	1.98	0.81	1	13146	Si
SLU 23	828	283	0	1	0	0	1.98	0	0	0	0	0	No
SLU 23	618	-2578	0	1	0	0	1.98	0	1.98	0.81	1	13146	Si
SLU 23	408	-5672	0	1	0	0	1.98	0	1.98	0.81	1	13146	Si
SLU 24	828	257	0	1	0	0	1.98	0	0	0	0	0	No
SLU 24	618	-2672	0	1	0	0	1.98	0	1.98	0.81	1	13146	Si
SLU 24	408	-5762	0	1	0	0	1.98	0	1.98	0.81	1	13146	Si
SLU 25	828	275	0	1	0	0	1.98	0	0	0	0	0	No
SLU 25	618	-2587	0	1	0	0	1.98	0	1.98	0.81	1	13146	Si
SLU 25	408	-5679	0	1	0	0	1.98	0	1.98	0.81	1	13146	Si
SLU 26	828	231	0	1	0	0	1.98	0	0	0	0	0	No
SLU 26	618	-2708	0	1	0	0	1.98	0	1.98	0.81	1	13146	Si
SLU 26	408	-5787	0	1	0	0	1.98	0	1.98	0.81	1	13146	Si
SLU 20	828	341	0	1	0	0	1.98	0	0	0	0	0	No
SLU 20	618	-2470	0	1	0	0	1.98	0	1.98	0.81	1	13146	Si
SLU 20	408	-5586	0	1	0	0	1.98	0	1.98	0.81	1	13146	Si
SLU 27	828	249	0	1	0	0	1.98	0	0	0	0	0	No
SLU 27	618	-2623	0	1	0	0	1.98	0	1.98	0.81	1	13146	Si
SLU 27	408	-5705	0	1	0	0	1.98	0	1.98	0.81	1	13146	Si
SLU 29	828	302	0	1	0	0	1.98	0	0	0	0	0	No
SLU 29	618	-2491	0	1	0	0	1.98	0	1.98	0.81	1	13146	Si
SLU 29	408	-5589	0	1	0	0	1.98	0	1.98	0.81	1	13146	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	I'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 23	440	-5399	39	-4333	0.82	0.82	119.34	0.16	1044		26.53	Si
SLU 23	680	-2023	7	-21540	0.31	0.31	119.34	0.09	594		89.3	Si
SLU 25	440	-5407	39	-4910	0.82	0.82	119.34	0.16	1045		26.68	Si
SLU 25	680	-2035	7	-22349	0.31	0.31	119.34	0.09	595		87.85	Si
SLU 21	440	-5327	40	-7706	0.81	0.81	119.34	0.16	1034		26.1	Si
SLU 21	680	-1955	7	-25142	0.3	0.3	119.34	0.09	585		81.95	Si
SLU 29	440	-5312	40	-11728	0.81	0.81	119.34	0.16	1032		25.82	Si
SLU 29	680	-1951	8	-29726	0.3	0.3	119.34	0.09	584		77.02	Si
SLU 30	440	-5348	40	-11389	0.81	0.81	119.34	0.16	1037		25.91	Si
SLU 30	680	-1988	7	-29411	0.3	0.3	119.34	0.09	589		78.67	Si
SLU 34	440	-5428	40	-8592	0.83	0.83	119.34	0.16	1048		26.49	Si
SLU 34	680	-2067	7	-26618	0.31	0.31	119.34	0.09	600		84.11	Si
SLU 27	440	-5443	39	-4571	0.83	0.83	119.34	0.16	1050		26.78	Si
SLU 27	680	-2071	7	-22034	0.32	0.32	119.34	0.09	600		89.86	Si
SLU 20	440	-5291	40	-8045	0.81	0.81	119.34	0.16	1030		26	Si
SLU 20	680	-1919	7	-25457	0.29	0.29	119.34	0.09	580		80.18	Si
SLU 32	440	-5420	40	-8016	0.83	0.83	119.34	0.16	1047		26.34	Si

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 32	680	-2055	7	-25809	0.31	0.31	119.34	0.09	598		85.42	Si
SLU 36	440	-5464	40	-8254	0.83	0.83	119.34	0.16	1053		26.58	Si
SLU 36	680	-2103	7	-26303	0.32	0.32	119.34	0.09	605		85.97	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 6	3	0.69	0.93	-292	56115	7901	0.14	No
SLV 5	3	0.69	0.93	-292	56115	7901	0.14	No
SLV 1	3	0.69	2.26	-707	56115	18653	0.33	No
SLV 2	3	0.69	2.26	-707	56115	18653	0.33	No
SLV 9	3	0.69	2.51	-787	56115	20646	0.37	No
SLV 10	3	0.69	2.51	-787	56115	20646	0.37	No
SLV 3	3	0.69	4.98	-1558	56115	38959	0.69	No
SLV 4	3	0.69	4.98	-1558	56115	38959	0.69	No
SLV 14	3	0.69	7.52	-2356	56115	55916	1	No
SLV 13	3	0.69	7.52	-2356	56115	55916	1	No

Maschio 84

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3013.7	3538.4	3084.2	3538.4	L4	L7	70.5	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 24	828	-146	0	1	0	8.92	1.98	0	10.9	0.44	1	4236	Si
SLU 24	618	-2933	0	1	0	8.92	1.98	0	5.45	0.64	1	6091	Si
SLU 24	408	-4221	0	1	0	8.92	1.98	0	10.9	0.44	1	4236	Si
SLU 22	828	-56	0	1	0	9.17	1.98	0	11.15	0.43	1	4149	Si
SLU 22	618	-2801	0	1	0	9.17	1.98	0	5.57	0.63	1	6049	Si
SLU 22	408	-4117	0	1	0	9.17	1.98	0	11.15	0.43	1	4149	Si
SLU 19	828	-49	0	1	0	9.17	1.98	0	11.15	0.43	1	4149	Si
SLU 19	618	-2789	0	1	0	9.17	1.98	0	5.57	0.63	1	6049	Si
SLU 19	408	-4100	0	1	0	9.17	1.98	0	11.15	0.43	1	4149	Si
SLU 26	828	-150	0	1	0	8.7	1.98	0	10.68	0.45	1	4313	Si
SLU 26	618	-2939	0	1	0	8.7	1.98	0	5.34	0.64	1	6127	Si
SLU 26	408	-4229	0	1	0	8.7	1.98	0	10.68	0.45	1	4313	Si
SLU 28	828	-145	0	1	0	8.22	1.98	0	10.2	0.47	1	4482	Si
SLU 28	618	-2924	0	1	0	8.22	1.98	0	5.1	0.65	1	6207	Si
SLU 28	408	-4213	0	1	0	8.22	1.98	0	10.2	0.47	1	4482	Si
SLU 33	828	-242	0	1	0	7.68	1.98	0	9.66	0.49	1	4675	Si
SLU 33	618	-3068	0	1	0	7.68	1.98	0	4.83	0.66	1	6298	Si
SLU 33	408	-4334	0	1	0	7.68	1.98	0	9.66	0.49	1	4675	Si
SLU 35	828	-246	0	1	0	7.56	1.98	0	9.54	0.49	1	4715	Si
SLU 35	618	-3074	0	1	0	7.56	1.98	0	4.77	0.66	1	6317	Si
SLU 35	408	-4343	0	1	0	7.56	1.98	0	9.54	0.49	1	4715	Si
SLU 31	828	-153	0	1	0	7.83	1.98	0	9.81	0.48	1	4621	Si
SLU 31	618	-2935	0	1	0	7.83	1.98	0	4.9	0.65	1	6273	Si
SLU 31	408	-4230	0	1	0	7.83	1.98	0	9.81	0.48	1	4621	Si
SLU 25	828	-172	0	1	0	7.56	1.98	0	9.54	0.49	1	4714	Si
SLU 25	618	-2956	0	1	0	7.56	1.98	0	4.77	0.66	1	6317	Si
SLU 25	408	-4241	0	1	0	7.56	1.98	0	9.54	0.49	1	4714	Si
SLU 27	828	-176	0	1	0	7.41	1.98	0	9.39	0.5	1	4770	Si
SLU 27	618	-2962	0	1	0	7.41	1.98	0	4.69	0.66	1	6344	Si
SLU 27	408	-4249	0	1	0	7.41	1.98	0	9.39	0.5	1	4770	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 23	440	-4474	19	23713	1.15	1.15	70.54	0.2	788		41.29	Si
SLU 23	680	-1904	-2	36320	0.49	0.71	48.6	0.14	386		209.04	Si
SLU 36	440	-4747	21	26421	1.22	1.22	70.54	0.21	825		39.8	Si
SLU 36	680	-2163	-3	39607	0.56	0.77	50.88	0.15	427		127.47	Si
SLU 27	440	-4613	20	25322	1.19	1.19	70.54	0.21	807		40.91	Si
SLU 27	680	-2039	-3	38089	0.53	0.74	49.78	0.15	407		161.34	Si
SLU 32	440	-4608	20	24813	1.19	1.19	70.54	0.21	806		40.14	Si
SLU 32	680	-2028	-3	37838	0.52	0.74	49.85	0.15	406		152.02	Si
SLU 33	440	-4719	20	26818	1.22	1.22	70.54	0.21	821		40.74	Si
SLU 33	680	-2147	-3	39539	0.55	0.77	50.57	0.15	424		140.1	Si
SLU 29	440	-4606	20	25278	1.19	1.19	70.54	0.21	806		41.04	Si
SLU 29	680	-2022	-2	38501	0.52	0.76	48.69	0.15	402		171.66	Si
SLU 34	440	-4741	20	26683	1.22	1.22	70.54	0.21	824		40.32	Si
SLU 34	680	-2157	-3	39868	0.56	0.78	50.38	0.15	424		134.58	Si
SLU 31	440	-4587	20	24948	1.18	1.18	70.54	0.21	803		40.56	Si
SLU 31	680	-2018	-3	37509	0.52	0.73	50.05	0.15	405		159.5	Si
SLU 35	440	-4725	20	26556	1.22	1.22	70.54	0.21	822		40.21	Si
SLU 35	680	-2152	-3	39278	0.55	0.77	51.07	0.15	426		132.37	Si
SLU 30	440	-4612	20	25016	1.19	1.19	70.54	0.21	807		40.49	Si
SLU 30	680	-2027	-3	38240	0.52	0.75	49.23	0.15	404		159.49	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 15	3	0.69	3.81	-705	33172	18055	0.54	No
SLV 16	3	0.69	3.81	-705	33172	18055	0.54	No
SLV 12	3	0.69	4.2	-777	33172	19739	0.6	No

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 11	3	0.69	4.2	-777	33172	19739	0.6	No
SLV 14	3	0.69	7.37	-1363	33172	32465	0.98	No
SLV 13	3	0.69	7.37	-1363	33172	32465	0.98	No
SLV 8	3	0.69	8.08	-1496	33172	35098	1.06	Si
SLV 7	3	0.69	8.08	-1496	33172	35098	1.06	Si
SLV 10	3	0.69	16.04	-2969	33172	57836	1.74	Si
SLV 9	3	0.69	16.04	-2969	33172	57836	1.74	Si

Maschio 85

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3214.2	3538.4	3333.9	3538.4	L4	L7	119.7	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	375	0	1	0	-2.89	1.98	0	0	0	0	0	No
SLU 1	618	-4026	0	1	0	-2.89	1.98	0	2.43	0.79	1	12774	Si
SLU 1	408	-5532	0	1	0	-2.89	1.98	0	4.87	0.66	1	10665	Si
SLU 21	828	431	0	1	0	-2.51	1.98	0	0	0	0	0	No
SLU 21	618	-5243	0	1	0	-2.51	1.98	0	2.24	0.8	1	12945	Si
SLU 21	408	-7179	0	1	0	-2.51	1.98	0	4.49	0.67	1	10910	Si
SLU 22	828	500	0	1	0	-2.16	1.98	0	0	0	0	0	No
SLU 22	618	-5196	0	1	0	-2.16	1.98	0	2.07	0.81	1	13101	Si
SLU 22	408	-7163	0	1	0	-2.16	1.98	0	4.14	0.69	1	11223	Si
SLU 23	828	441	0	1	0	-2.45	1.98	0	0	0	0	0	No
SLU 23	618	-5241	0	1	0	-2.45	1.98	0	2.22	0.8	1	12971	Si
SLU 23	408	-7182	0	1	0	-2.45	1.98	0	4.43	0.67	1	10962	Si
SLU 24	828	418	0	1	0	-5.29	1.98	0	0	0	0	0	No
SLU 24	618	-5389	0	1	0	-5.29	1.98	0	3.64	0.72	1	11684	Si
SLU 24	408	-7308	0	1	0	-5.29	1.98	0	7.27	0.57	1	9300	Si
SLU 25	828	359	0	1	0	-6.16	1.98	0	0	0	0	0	No
SLU 25	618	-5434	0	1	0	-6.16	1.98	0	4.07	0.69	1	11292	Si
SLU 25	408	-7327	0	1	0	-6.16	1.98	0	8.14	0.54	1	8809	Si
SLU 26	828	402	0	1	0	-5.49	1.98	0	0	0	0	0	No
SLU 26	618	-5407	0	1	0	-5.49	1.98	0	3.74	0.71	1	11594	Si
SLU 26	408	-7320	0	1	0	-5.49	1.98	0	7.47	0.57	1	9187	Si
SLU 20	828	447	0	1	0	-2.42	1.98	0	0	0	0	0	No
SLU 20	618	-5226	0	1	0	-2.42	1.98	0	2.2	0.8	1	12984	Si
SLU 20	408	-7167	0	1	0	-2.42	1.98	0	4.4	0.68	1	10988	Si
SLU 27	828	344	0	1	0	-6.43	1.98	0	0	0	0	0	No
SLU 27	618	-5452	0	1	0	-6.43	1.98	0	4.2	0.69	1	11169	Si
SLU 27	408	-7339	0	1	0	-6.43	1.98	0	8.41	0.53	1	8655	Si
SLU 29	828	322	0	1	0	-6.31	1.98	0	0	0	0	0	No
SLU 29	618	-5440	0	1	0	-6.31	1.98	0	4.15	0.69	1	11222	Si
SLU 29	408	-7317	0	1	0	-6.31	1.98	0	8.29	0.54	1	8721	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 28	440	-8268	12	-95839	1.26	1.26	119.69	0.22	1427		119.04	Si
SLU 28	680	-4562	12	-98584	0.69	0.72	114.7	0.15	920		76.71	Si
SLU 22	440	-8089	12	-94417	1.23	1.23	119.69	0.21	1404		116.04	Si
SLU 22	680	-4383	12	-97187	0.67	0.71	113.01	0.14	891		73.69	Si
SLU 26	440	-8300	12	-96978	1.26	1.26	119.69	0.22	1432		116.67	Si
SLU 26	680	-4594	12	-99791	0.7	0.73	114.36	0.15	923		75.23	Si
SLU 31	440	-8303	12	-94984	1.26	1.26	119.69	0.22	1432		120.67	Si
SLU 31	680	-4597	12	-97700	0.7	0.72	115.78	0.15	927		78.15	Si
SLU 33	440	-8496	12	-97973	1.29	1.29	119.69	0.22	1458		120.44	Si
SLU 33	680	-4790	12	-100746	0.73	0.75	116.44	0.15	955		78.89	Si
SLU 25	440	-8328	12	-95259	1.27	1.27	119.69	0.22	1435		121.84	Si
SLU 25	680	-4622	12	-97954	0.7	0.72	115.95	0.15	931		79.03	Si
SLU 19	440	-8054	12	-95271	1.22	1.22	119.69	0.21	1399		114.48	Si
SLU 19	680	-4348	12	-98072	0.66	0.71	111.86	0.14	884		72.31	Si
SLU 23	440	-8135	12	-92270	1.24	1.24	119.69	0.21	1410		122.1	Si
SLU 23	680	-4429	12	-94908	0.67	0.7	115.24	0.14	904		78.26	Si
SLU 24	440	-8282	12	-97406	1.26	1.26	119.69	0.22	1429		115.9	Si
SLU 24	680	-4576	12	-100233	0.7	0.73	113.82	0.15	919		74.54	Si
SLU 20	440	-8119	11	-92204	1.23	1.23	119.69	0.21	1408		123.13	Si
SLU 20	680	-4413	11	-94815	0.67	0.7	115.07	0.14	901		78.81	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 1	3	0.69	3.93	-1235	56280	31534	0.56	No
SLV 2	3	0.69	3.93	-1235	56280	31534	0.56	No
SLV 3	3	0.69	4.52	-1418	56280	35787	0.64	No
SLV 4	3	0.69	4.52	-1418	56280	35787	0.64	No
SLV 6	3	0.69	9.47	-2973	56280	67678	1.2	Si
SLV 5	3	0.69	9.47	-2973	56280	67678	1.2	Si
SLV 7	3	0.69	11.41	-3582	56280	78071	1.39	Si
SLV 8	3	0.69	11.41	-3582	56280	78071	1.39	Si
SLV 10	3	0.69	14.79	-4645	56280	93379	1.66	Si
SLV 9	3	0.69	14.79	-4645	56280	93379	1.66	Si

Maschio 86

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3473.9	3538.4	3618.8	3538.4	L4	L7	144.9	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	1461	0	1	0	-0.9	1.98	0	0	0	0	0	No
SLU 1	618	-2660	0	1	0	-0.9	1.98	0	1.98	0.81	1	15957	Si
SLU 1	408	-4668	0	1	0	-0.9	1.98	0	2.88	0.76	1	14973	Si
SLU 21	828	1429	0	1	0	-0.92	1.98	0	0	0	0	0	No
SLU 21	618	-3450	0	1	0	-0.92	1.98	0	1.98	0.81	1	15957	Si
SLU 21	408	-5881	0	1	0	-0.92	1.98	0	2.9	0.76	1	14951	Si
SLU 22	828	1858	0	1	0	-0.71	1.98	0	0	0	0	0	No
SLU 22	618	-3453	0	1	0	-0.71	1.98	0	1.98	0.81	1	15957	Si
SLU 22	408	-6064	0	1	0	-0.71	1.98	0	2.69	0.77	1	15183	Si
SLU 23	828	1517	0	1	0	-0.86	1.98	0	0	0	0	0	No
SLU 23	618	-3473	0	1	0	-0.86	1.98	0	1.98	0.81	1	15957	Si
SLU 23	408	-5943	0	1	0	-0.86	1.98	0	2.84	0.76	1	15009	Si
SLU 24	828	1926	0	1	0	-1.39	1.98	0	0	0	0	0	No
SLU 24	618	-3616	0	1	0	-1.39	1.98	0	1.98	0.81	1	15957	Si
SLU 24	408	-6210	0	1	0	-1.39	1.98	0	3.37	0.73	1	14433	Si
SLU 25	828	1584	0	1	0	-1.69	1.98	0	0	0	0	0	No
SLU 25	618	-3636	0	1	0	-1.69	1.98	0	1.98	0.81	1	15957	Si
SLU 25	408	-6090	0	1	0	-1.69	1.98	0	3.67	0.72	1	14105	Si
SLU 26	828	1867	0	1	0	-1.43	1.98	0	0	0	0	0	No
SLU 26	618	-3647	0	1	0	-1.43	1.98	0	1.98	0.81	1	15957	Si
SLU 26	408	-6221	0	1	0	-1.43	1.98	0	3.41	0.73	1	14385	Si
SLU 20	828	1488	0	1	0	-0.88	1.98	0	0	0	0	0	No
SLU 20	618	-3418	0	1	0	-0.88	1.98	0	1.98	0.81	1	15957	Si
SLU 20	408	-5870	0	1	0	-0.88	1.98	0	2.86	0.76	1	14991	Si
SLU 27	828	1525	0	1	0	-1.75	1.98	0	0	0	0	0	No
SLU 27	618	-3667	0	1	0	-1.75	1.98	0	1.98	0.81	1	15957	Si
SLU 27	408	-6101	0	1	0	-1.75	1.98	0	3.73	0.71	1	14033	Si
SLU 29	828	1266	0	1	0	-1.94	1.98	0	0	0	0	0	No
SLU 29	618	-3618	0	1	0	-1.94	1.98	0	1.98	0.81	1	15957	Si
SLU 29	408	-5947	0	1	0	-1.94	1.98	0	3.92	0.7	1	13827	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 1.5 (SLD), γM = 2.4 (SLV)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLD 16	440	-4924	550698	0	0	0	No
SLD 16	680	-1603	-590564	0	0	0	No
SLV 8	440	-4687	158529	0.59	263328	1.661	Si
SLV 8	680	-1330	-203091	0	0	0	No
SLV 12	440	-4369	566299	0	0	0	No
SLV 12	680	-1165	-604562	0	0	0	No
SLV 13	440	-4935	874445	0	0	0	No
SLV 13	680	-1685	-909460	0	0	0	No
SLV 4	440	-5562	-407442	0	0	0	No
SLV 4	680	-1905	353322	0	0	0	No
SLV 9	440	-5810	308474	0.73	303825	0.985	No
SLV 9	680	-2260	-353047	0	0	0	No
SLV 11	440	-4369	566299	0	0	0	No
SLV 11	680	-1165	-604562	0	0	0	No
SLV 7	440	-4687	158529	0.59	263328	1.661	Si
SLV 7	680	-1330	-203091	0	0	0	No
SLV 10	440	-5810	308474	0.73	303825	0.985	No
SLV 10	680	-2260	-353047	0	0	0	No
SLV 14	440	-4935	874445	0	0	0	No
SLV 14	680	-1685	-909460	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 25	440	-6911	2767	302222	0.87	1.46	86.1	0.24	1155		0.42	No
SLU 25	680	-2422	2767	-360855	0.3	0	0	0.05	0		0	No
SLU 1	440	-5180	2035	223699	0.65	1.07	87.72	0.19	929		0.46	No
SLU 1	680	-1727	2035	-263940	0.22	0	0	0.05	0		0	No
SLU 22	440	-6728	2625	288826	0.84	1.38	88.5	0.23	1137		0.43	No
SLU 22	680	-2239	2625	-340139	0.28	0	0	0.05	0		0	No
SLU 27	440	-6943	2772	302507	0.87	1.46	86.57	0.24	1161		0.42	No
SLU 27	680	-2454	2772	-361561	0.31	0	0	0.05	0		0	No
SLU 20	440	-6694	2806	307445	0.84	1.53	79.49	0.25	1108		0.4	No
SLU 20	680	-2205	2806	-364893	0.28	0	0	0.05	0		0	No
SLU 26	440	-6923	2639	289075	0.87	1.37	92.01	0.23	1173		0.44	No
SLU 26	680	-2434	2639	-343244	0.31	0	0	0.05	0		0	No
SLU 29	440	-6894	2890	314889	0.87	1.56	80.25	0.26	1137		0.39	No
SLU 29	680	-2405	2890	-377712	0.3	0	0	0.05	0		0	No
SLU 24	440	-6891	2635	288791	0.86	1.37	91.56	0.23	1168		0.44	No
SLU 24	680	-2402	2635	-342538	0.3	0	0	0.05	0		0	No
SLU 23	440	-6748	2758	302257	0.85	1.48	82.91	0.25	1125		0.41	No
SLU 23	680	-2259	2758	-358455	0.28	0	0	0.05	0		0	No
SLU 21	440	-6725	2810	307729	0.84	1.53	80.01	0.25	1114		0.4	No
SLU 21	680	-2236	2810	-365599	0.28	0	0	0.05	0		0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 9	440	-5810	2594	308474	0.73	1.82	58	0.37	1165		0.45	No
SLV 9	680	-2260	2426	-353047	0.28	0	0	0.06	0		0	No

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 8	440	-4687	1676	158529	0.59	0.74	115.8	0.18	1174		0.7	No
SLV 8	680	-1330	1844	-203091	0.17	0	0	0.06	0		0	No
SLV 13	440	-4935	7944	874445	0.62	0	0	0.06	0		0	No
SLV 13	680	-1685	6670	-909460	0.21	0	0	0.06	0		0	No
SLV 11	440	-4369	5416	566299	0.55	0	0	0.06	0		0	No
SLV 11	680	-1165	4776	-604562	0.15	0	0	0.06	0		0	No
SLV 7	440	-4687	1676	158529	0.59	0.74	115.8	0.18	1174		0.7	No
SLV 7	680	-1330	1844	-203091	0.17	0	0	0.06	0		0	No
SLV 10	440	-5810	2594	308474	0.73	1.82	58	0.37	1165		0.45	No
SLV 10	680	-2260	2426	-353047	0.28	0	0	0.06	0		0	No
SLD 16	440	-4924	5076	550698	0.62	0	0	0.1	0		0	No
SLD 16	680	-1603	4450	-590564	0.2	0	0	0.1	0		0	No
SLV 12	440	-4369	5416	566299	0.55	0	0	0.06	0		0	No
SLV 12	680	-1165	4776	-604562	0.15	0	0	0.06	0		0	No
SLV 14	440	-4935	7944	874445	0.62	0	0	0.06	0		0	No
SLV 14	680	-1685	6670	-909460	0.21	0	0	0.06	0		0	No
SLV 4	440	-5562	-3674	-407442	0.7	0	0	0.06	0		0	No
SLV 4	680	-1905	-2400	353322	0.24	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 12	3	0.69	5.47	-2078	68114	51453	0.76	No
SLV 11	3	0.69	5.47	-2078	68114	51453	0.76	No
SLV 8	3	0.69	5.86	-2225	68114	54681	0.8	No
SLV 7	3	0.69	5.86	-2225	68114	54681	0.8	No
SLV 16	3	0.69	6.08	-2309	68114	56486	0.83	No
SLV 15	3	0.69	6.08	-2309	68114	56486	0.83	No
SLV 14	3	0.69	6.99	-2655	68114	63747	0.94	No
SLV 13	3	0.69	6.99	-2655	68114	63747	0.94	No
SLV 3	3	0.69	7.37	-2802	68114	66721	0.98	No
SLV 4	3	0.69	7.37	-2802	68114	66721	0.98	No

Maschio 87

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
3748.8	3538.4	3919.7	3538.4	L4	L7	170.9	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	6838	0	1	0	-0.23	1.98	0	0	0	0	0	No
SLU 1	618	-3227	0	1	0	-0.23	1.98	0	1.98	0.81	1	18828	Si
SLU 1	408	-7485	0	1	0	-0.23	1.98	0	2.21	0.8	1	18535	Si
SLU 21	828	9453	0	1	0	-0.16	1.98	0	0	0	0	0	No
SLU 21	618	-4372	0	1	0	-0.16	1.98	0	1.98	0.81	1	18828	Si
SLU 21	408	-10094	0	1	0	-0.16	1.98	0	2.14	0.8	1	18616	Si
SLU 22	828	8845	0	1	0	-0.17	1.98	0	0	0	0	0	No
SLU 22	618	-4189	0	1	0	-0.17	1.98	0	1.98	0.81	1	18828	Si
SLU 22	408	-9714	0	1	0	-0.17	1.98	0	2.15	0.8	1	18602	Si
SLU 23	828	9277	0	1	0	-0.17	1.98	0	0	0	0	0	No
SLU 23	618	-4347	0	1	0	-0.17	1.98	0	1.98	0.81	1	18828	Si
SLU 23	408	-10012	0	1	0	-0.17	1.98	0	2.15	0.8	1	18612	Si
SLU 24	828	8767	0	1	0	-0.36	1.98	0	0	0	0	0	No
SLU 24	618	-4325	0	1	0	-0.36	1.98	0	1.98	0.81	1	18828	Si
SLU 24	408	-9812	0	1	0	-0.36	1.98	0	2.34	0.79	1	18362	Si
SLU 25	828	9199	0	1	0	-0.34	1.98	0	0	0	0	0	No
SLU 25	618	-4483	0	1	0	-0.34	1.98	0	1.98	0.81	1	18828	Si
SLU 25	408	-10110	0	1	0	-0.34	1.98	0	2.32	0.79	1	18384	Si
SLU 26	828	8777	0	1	0	-0.36	1.98	0	0	0	0	0	No
SLU 26	618	-4368	0	1	0	-0.36	1.98	0	1.98	0.81	1	18828	Si
SLU 26	408	-9858	0	1	0	-0.36	1.98	0	2.34	0.79	1	18362	Si
SLU 20	828	9443	0	1	0	-0.16	1.98	0	0	0	0	0	No
SLU 20	618	-4329	0	1	0	-0.16	1.98	0	1.98	0.81	1	18828	Si
SLU 20	408	-10047	0	1	0	-0.16	1.98	0	2.14	0.8	1	18616	Si
SLU 27	828	9209	0	1	0	-0.34	1.98	0	0	0	0	0	No
SLU 27	618	-4525	0	1	0	-0.34	1.98	0	1.98	0.81	1	18828	Si
SLU 27	408	-10157	0	1	0	-0.34	1.98	0	2.32	0.79	1	18384	Si
SLU 29	828	9626	0	1	0	-0.3	1.98	0	0	0	0	0	No
SLU 29	618	-4597	0	1	0	-0.3	1.98	0	1.98	0.81	1	18828	Si
SLU 29	408	-10366	0	1	0	-0.3	1.98	0	2.28	0.79	1	18438	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 13	440	-8746	1560645	0	0	0	No
SLV 13	680	-4120	-1618292	0	0	0	No
SLV 6	440	-6479	-232178	0.69	408225	1.758	Si
SLV 6	680	-1170	272653	0	0	0	No
SLV 7	440	-4905	-177154	0.52	335818	1.896	Si
SLV 7	680	-1782	269176	0	0	0	No
SLD 1	440	-5488	-402177	0.58	403765	1.004	Si
SLD 1	680	-1136	477907	0	0	0	No
SLV 8	440	-4905	-177154	0.52	335818	1.896	Si
SLV 8	680	-1782	269176	0	0	0	No
SLV 10	440	-7779	586390	0.83	455104	0.776	No
SLV 10	680	-2433	-599529	0	0	0	No
SLV 11	440	-6206	641414	0	0	0	No
SLV 11	680	-3045	-603006	0	0	0	No

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 9	440	-7779	586390	0.83	455104	0.776	No
SLV 9	680	-2433	-599529	0	0	0	No
SLV 12	440	-6206	641414	0	0	0	No
SLV 12	680	-3045	-603006	0	0	0	No
SLV 14	440	-8746	1560645	0	0	0	No
SLV 14	680	-4120	-1618292	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 28	440	-8204	1956	259450	0.87	0.92	161.51	0.17	1533		0.78	No
SLU 28	680	-2699	1956	-209099	0.29	2.05	23.99	0.32	425		0.22	No
SLU 20	440	-8161	2034	269553	0.87	0.94	157.29	0.18	1515		0.74	No
SLU 20	680	-2656	2034	-217818	0.28	4.65	10.38	0.67	382		0.19	No
SLU 19	440	-7936	1913	253899	0.84	0.9	160.4	0.17	1494		0.78	No
SLU 19	680	-2431	1913	-204421	0.26	10.74	4.11	1.48	335		0.18	No
SLU 21	440	-8204	2035	269700	0.87	0.95	157.76	0.18	1522		0.75	No
SLU 21	680	-2699	2035	-217937	0.29	3.47	14.14	0.51	398		0.2	No
SLU 4	440	-6261	1485	197067	0.67	0.7	161.95	0.14	1275		0.86	No
SLU 4	680	-2026	1485	-158718	0.22	1.72	21.38	0.28	328		0.22	No
SLU 22	440	-8021	1915	254195	0.85	0.9	161.31	0.17	1508		0.79	No
SLU 22	680	-2516	1915	-204658	0.27	3.69	12.39	0.54	369		0.19	No
SLU 23	440	-8179	2000	265152	0.87	0.93	159.12	0.17	1523		0.76	No
SLU 23	680	-2674	2000	-214037	0.28	2.99	16.26	0.45	401		0.2	No
SLU 2	440	-6401	1604	212424	0.68	0.74	156.82	0.15	1279		0.8	No
SLU 2	680	-2166	1604	-171878	0.23	2.15	18.33	0.34	339		0.21	No
SLU 24	440	-8157	1914	253934	0.87	0.91	162.99	0.17	1530		0.8	No
SLU 24	680	-2652	1914	-204497	0.28	1.92	25.08	0.31	422		0.22	No
SLU 1	440	-6175	1483	196771	0.66	0.7	160.79	0.14	1260		0.85	No
SLU 1	680	-1941	1483	-158480	0.21	3.09	11.41	0.46	290		0.2	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 10	440	-7779	5216	586390	0.83	4.68	30.24	0.84	1399		0.27	No
SLV 10	680	-2433	4643	-599529	0.26	0	0	0.06	0		0	No
SLV 11	440	-6206	5334	641414	0.66	0	0	0.06	0		0	No
SLV 11	680	-3045	5038	-603006	0.32	0	0	0.06	0		0	No
SLV 6	440	-6479	-2246	-232178	0.69	0.79	148.87	0.19	1585		0.71	No
SLV 6	680	-1170	-1951	272653	0.12	0	0	0.06	0		0	No
SLV 13	440	-8746	13963	1560645	0.93	0	0	0.06	0		0	No
SLV 13	680	-4120	12475	-1618292	0.44	0	0	0.06	0		0	No
SLV 9	440	-7779	5216	586390	0.83	4.68	30.24	0.84	1399		0.27	No
SLV 9	680	-2433	4643	-599529	0.26	0	0	0.06	0		0	No
SLV 12	440	-6206	5334	641414	0.66	0	0	0.06	0		0	No
SLV 12	680	-3045	5038	-603006	0.32	0	0	0.06	0		0	No
SLV 14	440	-8746	13963	1560645	0.93	0	0	0.06	0		0	No
SLV 14	680	-4120	12475	-1618292	0.44	0	0	0.06	0		0	No
SLV 7	440	-4905	-2129	-177154	0.52	0.6	148.03	0.16	1320		0.62	No
SLV 7	680	-1782	-1556	269176	0.19	0	0	0.06	0		0	No
SLD 1	440	-5488	-3965	-402177	0.58	2.73	36.52	0.83	1662		0.42	No
SLD 1	680	-1136	-3342	477907	0.12	0	0	0.1	0		0	No
SLV 8	440	-4905	-2129	-177154	0.52	0.6	148.03	0.16	1320		0.62	No
SLV 8	680	-1782	-1556	269176	0.19	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 3	3	0.69	2.76	-1237	80370	32302	0.4	No
SLV 4	3	0.69	2.76	-1237	80370	32302	0.4	No
SLV 2	3	0.69	3.15	-1414	80370	36651	0.46	No
SLV 1	3	0.69	3.15	-1414	80370	36651	0.46	No
SLV 8	3	0.69	5.53	-2478	80370	61302	0.76	No
SLV 7	3	0.69	5.53	-2478	80370	61302	0.76	No
SLV 5	3	0.69	6.84	-3069	80370	73893	0.92	No
SLV 6	3	0.69	6.84	-3069	80370	73893	0.92	No
SLV 12	3	0.69	8.3	-3720	80370	86862	1.08	Si
SLV 11	3	0.69	8.3	-3720	80370	86862	1.08	Si

Maschio 88

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
4049.7	3538.4	4199.5	3538.4	L4	L7	149.8	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	2129	0	1	0	-0.64	1.98	0	0	0	0	0	No
SLU 1	618	-1912	0	1	0	-0.64	1.98	0	1.98	0.81	1	16502	Si
SLU 1	408	-4298	0	1	0	-0.64	1.98	0	2.62	0.78	1	15775	Si
SLU 21	828	2350	0	1	0	-0.58	1.98	0	0	0	0	0	No
SLU 21	618	-2459	0	1	0	-0.58	1.98	0	1.98	0.81	1	16502	Si
SLU 21	408	-5385	0	1	0	-0.58	1.98	0	2.56	0.78	1	15844	Si
SLU 22	828	2726	0	1	0	-0.5	1.98	0	0	0	0	0	No
SLU 22	618	-2495	0	1	0	-0.5	1.98	0	1.98	0.81	1	16502	Si
SLU 22	408	-5594	0	1	0	-0.5	1.98	0	2.48	0.78	1	15935	Si
SLU 23	828	2421	0	1	0	-0.56	1.98	0	0	0	0	0	No
SLU 23	618	-2493	0	1	0	-0.56	1.98	0	1.98	0.81	1	16502	Si

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 23	408	-5456	0	1	0	-0.56	1.98	0	2.54	0.78	1	15863	Si
SLU 24	828	2766	0	1	0	-1.01	1.98	0	0	0	0	0	No
SLU 24	618	-2630	0	1	0	-1.01	1.98	0	1.98	0.81	1	16502	Si
SLU 24	408	-5719	0	1	0	-1.01	1.98	0	2.99	0.76	1	15360	Si
SLU 25	828	2460	0	1	0	-1.13	1.98	0	0	0	0	0	No
SLU 25	618	-2628	0	1	0	-1.13	1.98	0	1.98	0.81	1	16502	Si
SLU 25	408	-5581	0	1	0	-1.13	1.98	0	3.11	0.75	1	15218	Si
SLU 26	828	2706	0	1	0	-1.03	1.98	0	0	0	0	0	No
SLU 26	618	-2663	0	1	0	-1.03	1.98	0	1.98	0.81	1	16502	Si
SLU 26	408	-5730	0	1	0	-1.03	1.98	0	3.01	0.75	1	15335	Si
SLU 20	828	2409	0	1	0	-0.57	1.98	0	0	0	0	0	No
SLU 20	618	-2426	0	1	0	-0.57	1.98	0	1.98	0.81	1	16502	Si
SLU 20	408	-5374	0	1	0	-0.57	1.98	0	2.55	0.78	1	15860	Si
SLU 27	828	2400	0	1	0	-1.16	1.98	0	0	0	0	0	No
SLU 27	618	-2662	0	1	0	-1.16	1.98	0	1.98	0.81	1	16502	Si
SLU 27	408	-5592	0	1	0	-1.16	1.98	0	3.14	0.75	1	15186	Si
SLU 29	828	2180	0	1	0	-1.17	1.98	0	0	0	0	0	No
SLU 29	618	-2593	0	1	0	-1.17	1.98	0	1.98	0.81	1	16502	Si
SLU 29	408	-5423	0	1	0	-1.17	1.98	0	3.15	0.75	1	15172	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 10	440	-6208	605864	0	0	0	No
SLV 10	680	-2621	-600106	0	0	0	No
SLV 9	440	-6208	605864	0	0	0	No
SLV 9	680	-2621	-600106	0	0	0	No
SLV 13	440	-6953	1391393	0	0	0	No
SLV 13	680	-3392	-1372813	0	0	0	No
SLD 1	440	-3780	-604308	0	0	0	No
SLD 1	680	-185	616123	0	0	0	No
SLV 6	440	-4959	-208062	0.6	286239	1.376	Si
SLV 6	680	-1357	210139	0	0	0	No
SLV 11	440	-4173	137147	0.51	252214	1.839	Si
SLV 11	680	-611	-107023	0	0	0	No
SLV 12	440	-4173	137147	0.51	252214	1.839	Si
SLV 12	680	-611	-107023	0	0	0	No
SLV 7	440	-2924	-676779	0	0	0	No
SLV 7	680	653	703222	0	0	0	No
SLV 8	440	-2924	-676779	0	0	0	No
SLV 8	680	653	703222	0	0	0	No
SLV 14	440	-6953	1391393	0	0	0	No
SLV 14	680	-3392	-1372813	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 14	440	-4751	-546	-59502	0.58	0.58	149.8	0.13	1040		1.91	Si
SLU 14	680	-1168	-546	71743	0.14	0.52	40.51	0.12	266		0.49	No
SLU 2	440	-4517	-475	-50157	0.55	0.55	149.8	0.12	1009		2.12	Si
SLU 2	680	-935	-475	64085	0.11	0.89	19.09	0.17	177		0.37	No
SLU 20	440	-5816	-512	-51408	0.71	0.71	149.8	0.14	1182		2.31	Si
SLU 20	680	-1159	-512	71899	0.14	0.55	38.62	0.12	259		0.51	No
SLU 12	440	-4717	-596	-66088	0.57	0.57	149.8	0.13	1036		1.74	Si
SLU 12	680	-1135	-596	77102	0.14	0.99	20.85	0.18	208		0.35	No
SLU 3	440	-4550	-496	-52816	0.55	0.55	149.8	0.12	1014		2.04	Si
SLU 3	680	-968	-496	66504	0.12	0.94	18.63	0.18	180		0.36	No
SLU 21	440	-5849	-534	-54067	0.71	0.71	149.8	0.14	1187		2.22	Si
SLU 21	680	-1192	-534	74318	0.14	0.57	37.7	0.13	261		0.49	No
SLU 29	440	-5982	-612	-64680	0.73	0.73	149.8	0.15	1205		1.97	Si
SLU 29	680	-1326	-612	82498	0.16	0.63	38.01	0.13	280		0.46	No
SLU 30	440	-6016	-633	-67339	0.73	0.73	149.8	0.15	1209		1.91	Si
SLU 30	680	-1359	-633	84916	0.16	0.66	37.22	0.14	282		0.45	No
SLU 11	440	-4684	-574	-63429	0.57	0.57	149.8	0.13	1031		1.8	Si
SLU 11	680	-1102	-574	74684	0.13	0.94	21.3	0.17	205		0.36	No
SLU 5	440	-4584	-446	-46229	0.56	0.56	149.8	0.12	1018		2.28	Si
SLU 5	680	-1002	-446	61145	0.12	0.44	41.63	0.11	247		0.55	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 11	440	-4173	1711	137147	0.51	0.6	126.11	0.16	1124		0.66	No
SLV 11	680	-611	876	-107023	0.07	0	0	0.06	0		0	No
SLV 9	440	-6208	4705	605864	0.75	0	0	0.06	0		0	No
SLV 9	680	-2621	4769	-600106	0.32	0	0	0.06	0		0	No
SLV 13	440	-6953	11986	1391393	0.84	0	0	0.06	0		0	No
SLV 13	680	-3392	10836	-1372813	0.41	0	0	0.06	0		0	No
SLV 6	440	-4959	-2434	-208062	0.6	0.91	98.85	0.21	1162		0.48	No
SLV 6	680	-1357	-1599	210139	0.16	0	0	0.06	0		0	No
SLD 1	440	-3780	-5426	-604308	0.46	0	0	0.1	0		0	No
SLD 1	680	-185	-4797	616123	0.02	0	0	0.1	0		0	No
SLV 10	440	-6208	4705	605864	0.75	0	0	0.06	0		0	No
SLV 10	680	-2621	4769	-600106	0.32	0	0	0.06	0		0	No
SLV 12	440	-4173	1711	137147	0.51	0.6	126.11	0.16	1124		0.66	No
SLV 12	680	-611	876	-107023	0.07	0	0	0.06	0		0	No
SLV 7	440	-2924	-5428	-676779	0.35	0	0	0.06	0		0	No
SLV 7	680	653	-5492	703222	-0.08	0	0	0.06	0		0	No
SLV 14	440	-6953	11986	1391393	0.84	0	0	0.06	0		0	No
SLV 14	680	-3392	10836	-1372813	0.41	0	0	0.06	0		0	No
SLV 8	440	-2924	-5428	-676779	0.35	0	0	0.06	0		0	No
SLV 8	680	653	-5492	703222	-0.08	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 4	3	0.69	0	463	70442	0	0	No
SLV 3	3	0.69	0	463	70442	0	0	No
SLV 2	3	0.69	0.39	-152	70442	4141	0.06	No
SLV 1	3	0.69	0.39	-152	70442	4141	0.06	No
SLV 8	3	0.69	0.76	-299	70442	8112	0.12	No

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 7	3	0.69	0.76	-299	70442	8112	0.12	No
SLV 12	3	0.69	3.99	-1568	70442	39990	0.57	No
SLV 11	3	0.69	3.99	-1568	70442	39990	0.57	No
SLV 6	3	0.69	5.98	-2350	70442	57590	0.82	No
SLV 5	3	0.69	5.98	-2350	70442	57590	0.82	No

Maschio 89

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
4339.5	3538.4	4510.7	3538.4	L4	L7	171.2	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	1956	0	1	0	-0.8	1.98	0	0	0	0	0	No
SLU 1	618	-2304	0	1	0	-0.8	1.98	0	1.98	0.81	1	18864	Si
SLU 1	408	-4949	0	1	0	-0.8	1.98	0	2.78	0.77	1	17830	Si
SLU 21	828	2144	0	1	0	-0.73	1.98	0	0	0	0	0	No
SLU 21	618	-3014	0	1	0	-0.73	1.98	0	1.98	0.81	1	18864	Si
SLU 21	408	-6318	0	1	0	-0.73	1.98	0	2.71	0.77	1	17921	Si
SLU 22	828	2509	0	1	0	-0.62	1.98	0	0	0	0	0	No
SLU 22	618	-3008	0	1	0	-0.62	1.98	0	1.98	0.81	1	18864	Si
SLU 22	408	-6444	0	1	0	-0.62	1.98	0	2.6	0.78	1	18058	Si
SLU 23	828	2212	0	1	0	-0.7	1.98	0	0	0	0	0	No
SLU 23	618	-3041	0	1	0	-0.7	1.98	0	1.98	0.81	1	18864	Si
SLU 23	408	-6372	0	1	0	-0.7	1.98	0	2.68	0.77	1	17950	Si
SLU 24	828	2520	0	1	0	-1.26	1.98	0	0	0	0	0	No
SLU 24	618	-3151	0	1	0	-1.26	1.98	0	1.98	0.81	1	18864	Si
SLU 24	408	-6574	0	1	0	-1.26	1.98	0	3.24	0.74	1	17226	Si
SLU 25	828	2222	0	1	0	-1.43	1.98	0	0	0	0	0	No
SLU 25	618	-3184	0	1	0	-1.43	1.98	0	1.98	0.81	1	18864	Si
SLU 25	408	-6502	0	1	0	-1.43	1.98	0	3.41	0.73	1	17006	Si
SLU 26	828	2460	0	1	0	-1.29	1.98	0	0	0	0	0	No
SLU 26	618	-3192	0	1	0	-1.29	1.98	0	1.98	0.81	1	18864	Si
SLU 26	408	-6598	0	1	0	-1.29	1.98	0	3.27	0.74	1	17186	Si
SLU 20	828	2203	0	1	0	-0.71	1.98	0	0	0	0	0	No
SLU 20	618	-2973	0	1	0	-0.71	1.98	0	1.98	0.81	1	18864	Si
SLU 20	408	-6293	0	1	0	-0.71	1.98	0	2.69	0.77	1	17946	Si
SLU 27	828	2163	0	1	0	-1.47	1.98	0	0	0	0	0	No
SLU 27	618	-3226	0	1	0	-1.47	1.98	0	1.98	0.81	1	18864	Si
SLU 27	408	-6526	0	1	0	-1.47	1.98	0	3.45	0.73	1	16955	Si
SLU 29	828	1954	0	1	0	-1.5	1.98	0	0	0	0	0	No
SLU 29	618	-3179	0	1	0	-1.5	1.98	0	1.98	0.81	1	18864	Si
SLU 29	408	-6403	0	1	0	-1.5	1.98	0	3.48	0.73	1	16924	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 7	440	-4158	-103359	0.44	296092	2.865	Si
SLV 7	680	1402	288320	0	0	0	No
SLV 14	440	-6567	1605659	0	0	0	No
SLV 14	680	-2919	-1794520	0	0	0	No
SLV 11	440	-4716	795359	0	0	0	No
SLV 11	680	842	-673870	0	0	0	No
SLD 1	440	-5071	-523971	0	0	0	No
SLD 1	680	-1173	518222	0	0	0	No
SLV 8	440	-4158	-103359	0.44	296092	2.865	Si
SLV 8	680	1402	288320	0	0	0	No
SLV 13	440	-6567	1605659	0	0	0	No
SLV 13	680	-2919	-1794520	0	0	0	No
SLV 10	440	-6562	428890	0.7	412648	0.962	No
SLV 10	680	-3940	-670941	0	0	0	No
SLV 6	440	-6005	-469828	0.64	389179	0.828	No
SLV 6	680	-3380	291249	0	0	0	No
SLV 9	440	-6562	428890	0.7	412648	0.962	No
SLV 9	680	-3940	-670941	0	0	0	No
SLV 12	440	-4716	795359	0	0	0	No
SLV 12	680	842	-673870	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 20	440	-6844	1972	217876	0.73	0.77	161.36	0.15	1351		0.68	No
SLU 20	680	-1525	1972	-255624	0.16	0	0	0.05	0		0	No
SLU 22	440	-6879	1714	189099	0.73	0.73	171.24	0.15	1382		0.81	No
SLU 22	680	-1560	1714	-222506	0.17	0	0	0.05	0		0	No
SLU 29	440	-7050	2078	229101	0.75	0.8	159.37	0.16	1373		0.66	No
SLU 29	680	-1731	2078	-269838	0.18	0	0	0.05	0		0	No
SLU 21	440	-6885	1979	218382	0.73	0.77	161.71	0.15	1357		0.69	No
SLU 21	680	-1567	1979	-256850	0.17	0	0	0.05	0		0	No
SLU 27	440	-7097	1906	209897	0.75	0.77	168.13	0.15	1403		0.74	No
SLU 27	680	-1778	1906	-247703	0.19	0	0	0.05	0		0	No
SLU 26	440	-7063	1715	189044	0.75	0.75	171.24	0.15	1407		0.82	No
SLU 26	680	-1745	1715	-222805	0.19	0	0	0.05	0		0	No
SLU 23	440	-6912	1905	209951	0.73	0.76	165.74	0.15	1372		0.72	No
SLU 23	680	-1594	1905	-247405	0.17	0	0	0.05	0		0	No
SLU 1	440	-5282	1336	147643	0.56	0.56	171.24	0.12	1169		0.88	No
SLU 1	680	-1191	1336	-173021	0.13	0	0	0.05	0		0	No
SLU 25	440	-7055	1899	209391	0.75	0.76	167.83	0.15	1397		0.74	No
SLU 25	680	-1737	1899	-246477	0.18	0	0	0.05	0		0	No
SLU 24	440	-7022	1708	188539	0.75	0.75	171.24	0.15	1401		0.82	No

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 24	680	-1703	1708	-221579	0.18	0	0	0.05	0		0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 9	440	-6562	5525	428890	0.7	1.96	60.8	0.39	1300		0.24	No
SLV 9	680	-3940	5522	-670941	0.42	0	0	0.06	0		0	No
SLV 13	440	-6567	15096	1605659	0.7	0	0	0.06	0		0	No
SLV 13	680	-2919	13853	-1794520	0.31	0	0	0.06	0		0	No
SLV 7	440	-4158	-2576	-103359	0.44	0.44	171.24	0.14	1274		0.49	No
SLV 7	680	1402	-2572	288320	-0.15	0	0	0.06	0		0	No
SLV 8	440	-4158	-2576	-103359	0.44	0.44	171.24	0.14	1274		0.49	No
SLV 8	680	1402	-2572	288320	-0.15	0	0	0.06	0		0	No
SLV 14	440	-6567	15096	1605659	0.7	0	0	0.06	0		0	No
SLV 14	680	-2919	13853	-1794520	0.31	0	0	0.06	0		0	No
SLV 10	440	-6562	5525	428890	0.7	1.96	60.8	0.39	1300		0.24	No
SLV 10	680	-3940	5522	-670941	0.42	0	0	0.06	0		0	No
SLV 11	440	-4716	5604	795359	0.5	0	0	0.06	0		0	No
SLV 11	680	842	4789	-673870	-0.09	0	0	0.06	0		0	No
SLV 6	440	-6005	-2654	-469828	0.64	4.93	22.13	0.88	1076		0.41	No
SLV 6	680	-3380	-1839	291249	0.36	0	0	0.06	0		0	No
SLD 1	440	-5071	-4561	-523971	0.54	0	0	0.1	0		0	No
SLD 1	680	-1173	-3902	518222	0.12	0	0	0.1	0		0	No
SLV 12	440	-4716	5604	795359	0.5	0	0	0.06	0		0	No
SLV 12	680	842	4789	-673870	-0.09	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 8	3	0.69	0	257	80522	0	0	No
SLV 7	3	0.69	0	257	80522	0	0	No
SLV 11	3	0.69	0.73	-329	80522	8919	0.11	No
SLV 12	3	0.69	0.73	-329	80522	8919	0.11	No
SLV 3	3	0.69	1.56	-702	80522	18765	0.23	No
SLV 4	3	0.69	1.56	-702	80522	18765	0.23	No
SLV 1	3	0.69	4.7	-2110	80522	53077	0.66	No
SLV 2	3	0.69	4.7	-2110	80522	53077	0.66	No
SLV 15	3	0.69	5.91	-2655	80522	65161	0.81	No
SLV 16	3	0.69	5.91	-2655	80522	65161	0.81	No

Maschio 90

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
4640.7	3538.4	4824.5	3538.5	L4	L7	183.7	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	6810	0	1	0	-0.25	1.98	0	0	0	0	0	No
SLU 1	618	-3456	0	1	0	-0.25	1.98	0	1.98	0.81	1	20240	Si
SLU 1	408	-7882	0	1	0	-0.25	1.98	0	2.23	0.8	1	19899	Si
SLU 21	828	9386	0	1	0	-0.18	1.98	0	0	0	0	0	No
SLU 21	618	-4660	0	1	0	-0.18	1.98	0	1.98	0.81	1	20240	Si
SLU 21	408	-10606	0	1	0	-0.18	1.98	0	2.16	0.8	1	19992	Si
SLU 22	828	8820	0	1	0	-0.19	1.98	0	0	0	0	0	No
SLU 22	618	-4493	0	1	0	-0.19	1.98	0	1.98	0.81	1	20240	Si
SLU 22	408	-10236	0	1	0	-0.19	1.98	0	2.17	0.8	1	19977	Si
SLU 23	828	9224	0	1	0	-0.18	1.98	0	0	0	0	0	No
SLU 23	618	-4645	0	1	0	-0.18	1.98	0	1.98	0.81	1	20240	Si
SLU 23	408	-10533	0	1	0	-0.18	1.98	0	2.16	0.8	1	19988	Si
SLU 24	828	8727	0	1	0	-0.39	1.98	0	0	0	0	0	No
SLU 24	618	-4646	0	1	0	-0.39	1.98	0	1.98	0.81	1	20240	Si
SLU 24	408	-10348	0	1	0	-0.39	1.98	0	2.37	0.79	1	19696	Si
SLU 25	828	9131	0	1	0	-0.37	1.98	0	0	0	0	0	No
SLU 25	618	-4798	0	1	0	-0.37	1.98	0	1.98	0.81	1	20240	Si
SLU 25	408	-10645	0	1	0	-0.37	1.98	0	2.35	0.79	1	19720	Si
SLU 26	828	8737	0	1	0	-0.39	1.98	0	0	0	0	0	No
SLU 26	618	-4696	0	1	0	-0.39	1.98	0	1.98	0.81	1	20240	Si
SLU 26	408	-10402	0	1	0	-0.39	1.98	0	2.37	0.79	1	19697	Si
SLU 20	828	9376	0	1	0	-0.18	1.98	0	0	0	0	0	No
SLU 20	618	-4610	0	1	0	-0.18	1.98	0	1.98	0.81	1	20240	Si
SLU 20	408	-10553	0	1	0	-0.18	1.98	0	2.16	0.8	1	19992	Si
SLU 27	828	9141	0	1	0	-0.37	1.98	0	0	0	0	0	No
SLU 27	618	-4848	0	1	0	-0.37	1.98	0	1.98	0.81	1	20240	Si
SLU 27	408	-10699	0	1	0	-0.37	1.98	0	2.35	0.79	1	19721	Si
SLU 29	828	9532	0	1	0	-0.33	1.98	0	0	0	0	0	No
SLU 29	618	-4903	0	1	0	-0.33	1.98	0	1.98	0.81	1	20240	Si
SLU 29	408	-10895	0	1	0	-0.33	1.98	0	2.31	0.79	1	19783	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 8	440	-5158	-436348	0.51	381663	0.875	No
SLV 8	680	-2515	505406	0	0	0	No
SLV 13	440	-7065	1509945	0	0	0	No
SLV 13	680	-1965	-1657317	0	0	0	No
SLV 9	440	-8126	478276	0.8	517694	1.082	Si
SLV 9	680	-1684	-537949	0	0	0	No

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLD 1	440	-6851	-634286	0	0	0	No
SLD 1	680	-2050	701000	0	0	0	No
SLV 10	440	-8126	478276	0.8	517694	1.082	Si
SLV 10	680	-1684	-537949	0	0	0	No
SLV 14	440	-7065	1509945	0	0	0	No
SLV 14	680	-1965	-1657317	0	0	0	No
SLV 12	440	-5143	454940	0.51	380835	0.837	No
SLV 12	680	-2509	-473413	0	0	0	No
SLV 7	440	-5158	-436348	0.51	381663	0.875	No
SLV 7	680	-2515	505406	0	0	0	No
SLV 11	440	-5143	454940	0.51	380835	0.837	No
SLV 11	680	-2509	-473413	0	0	0	No
SLV 6	440	-8141	-413012	0.81	518218	1.255	Si
SLV 6	680	-1691	440870	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 25	440	-8718	196	26146	0.86	0.86	183.73	0.16	1661		8.5	Si
SLU 25	680	-2813	196	-20096	0.28	0.28	183.73	0.09	874		4.47	Si
SLU 29	440	-8823	250	32370	0.87	0.87	183.73	0.17	1675		6.7	Si
SLU 29	680	-2918	250	-26926	0.29	0.29	183.73	0.09	888		3.55	Si
SLU 11	440	-6982	221	28159	0.69	0.69	183.73	0.14	1430		6.46	Si
SLU 11	680	-2440	221	-24458	0.24	0.24	183.73	0.08	824		3.72	Si
SLU 2	440	-6689	201	25921	0.66	0.66	183.73	0.14	1391		6.93	Si
SLU 2	680	-2146	201	-21740	0.21	0.21	183.73	0.08	785		3.91	Si
SLU 20	440	-8529	229	30131	0.84	0.84	183.73	0.16	1636		7.14	Si
SLU 20	680	-2625	229	-24208	0.26	0.26	183.73	0.08	849		3.7	Si
SLU 34	440	-9011	216	28385	0.89	0.89	183.73	0.17	1700		7.87	Si
SLU 34	680	-3106	216	-22814	0.31	0.31	183.73	0.09	913		4.22	Si
SLU 30	440	-8873	237	30947	0.88	0.88	183.73	0.17	1682		7.09	Si
SLU 30	680	-2968	237	-25274	0.29	0.29	183.73	0.09	895		3.77	Si
SLU 21	440	-8580	216	28708	0.85	0.85	183.73	0.16	1643		7.59	Si
SLU 21	680	-2675	216	-22556	0.26	0.26	183.73	0.08	856		3.95	Si
SLU 12	440	-7032	209	26736	0.7	0.7	183.73	0.14	1437		6.89	Si
SLU 12	680	-2490	209	-22807	0.25	0.25	183.73	0.08	831		3.98	Si
SLU 3	440	-6739	188	24497	0.67	0.67	183.73	0.14	1398		7.43	Si
SLU 3	680	-2196	188	-20089	0.22	0.22	183.73	0.08	792		4.21	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 12	440	-5143	4113	454940	0.51	9.13	10.25	1.58	892		0.22	No
SLV 12	680	-2509	3669	-473413	0.25	0	0	0.06	0		0	No
SLV 9	440	-8126	4486	478276	0.8	1.49	99.03	0.31	1691		0.38	No
SLV 9	680	-1684	4138	-537949	0.17	0	0	0.06	0		0	No
SLV 10	440	-8126	4486	478276	0.8	1.49	99.03	0.31	1691		0.38	No
SLV 10	680	-1684	4138	-537949	0.17	0	0	0.06	0		0	No
SLV 7	440	-5158	-4171	-436348	0.51	4.3	21.82	0.78	934		0.22	No
SLV 7	680	-2515	-3823	505406	0.25	0	0	0.06	0		0	No
SLV 8	440	-5158	-4171	-436348	0.51	4.3	21.82	0.78	934		0.22	No
SLV 8	680	-2515	-3823	505406	0.25	0	0	0.06	0		0	No
SLV 14	440	-7065	14019	1509945	0.7	0	0	0.06	0		0	No
SLV 14	680	-1965	12716	-1657317	0.19	0	0	0.06	0		0	No
SLV 6	440	-8141	-3798	-413012	0.81	1.2	123.4	0.26	1776		0.47	No
SLV 6	680	-1691	-3355	440870	0.17	0	0	0.06	0		0	No
SLV 11	440	-5143	4113	454940	0.51	9.13	10.25	1.58	892		0.22	No
SLV 11	680	-2509	3669	-473413	0.25	0	0	0.06	0		0	No
SLD 1	440	-6851	-5924	-634286	0.68	0	0	0.1	0		0	No
SLD 1	680	-2050	-5334	701000	0.2	0	0	0.1	0		0	No
SLV 13	440	-7065	14019	1509945	0.7	0	0	0.06	0		0	No
SLV 13	680	-1965	12716	-1657317	0.19	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 12	3	0.69	2.28	-1098	86397	28953	0.34	No
SLV 11	3	0.69	2.28	-1098	86397	28953	0.34	No
SLV 7	3	0.69	2.29	-1104	86397	29095	0.34	No
SLV 8	3	0.69	2.29	-1104	86397	29095	0.34	No
SLV 15	3	0.69	5.93	-2860	86397	70158	0.81	No
SLV 16	3	0.69	5.93	-2860	86397	70158	0.81	No
SLV 3	3	0.69	5.97	-2878	86397	70563	0.82	No
SLV 4	3	0.69	5.97	-2878	86397	70563	0.82	No
SLV 13	3	0.69	9.08	-4375	86397	100458	1.16	Si
SLV 14	3	0.69	9.08	-4375	86397	100458	1.16	Si

Maschio 91

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
4954.5	3538.5	5087.8	3538.5	L4	L7	133.4	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	2004	0	1	0	-0.61	1.98	0	0	0	0	0	No
SLU 1	618	-1535	0	1	0	-0.61	1.98	0	1.98	0.81	1	14690	Si
SLU 1	408	-3837	0	1	0	-0.61	1.98	0	2.59	0.78	1	14079	Si

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 21	828	2128	0	1	0	-0.57	1.98	0	0	0	0	0	No
SLU 21	618	-1941	0	1	0	-0.57	1.98	0	1.98	0.81	1	14690	Si
SLU 21	408	-4757	0	1	0	-0.57	1.98	0	2.55	0.78	1	14115	Si
SLU 22	828	2501	0	1	0	-0.48	1.98	0	0	0	0	0	No
SLU 22	618	-2013	0	1	0	-0.48	1.98	0	1.98	0.81	1	14690	Si
SLU 22	408	-4990	0	1	0	-0.48	1.98	0	2.46	0.78	1	14201	Si
SLU 23	828	2169	0	1	0	-0.56	1.98	0	0	0	0	0	No
SLU 23	618	-1985	0	1	0	-0.56	1.98	0	1.98	0.81	1	14690	Si
SLU 23	408	-4828	0	1	0	-0.56	1.98	0	2.54	0.78	1	14126	Si
SLU 24	828	2572	0	1	0	-0.96	1.98	0	0	0	0	0	No
SLU 24	618	-2127	0	1	0	-0.96	1.98	0	1.98	0.81	1	14690	Si
SLU 24	408	-5099	0	1	0	-0.96	1.98	0	2.94	0.76	1	13719	Si
SLU 25	828	2240	0	1	0	-1.1	1.98	0	0	0	0	0	No
SLU 25	618	-2100	0	1	0	-1.1	1.98	0	1.98	0.81	1	14690	Si
SLU 25	408	-4937	0	1	0	-1.1	1.98	0	3.08	0.75	1	13575	Si
SLU 26	828	2471	0	1	0	-1	1.98	0	0	0	0	0	No
SLU 26	618	-2159	0	1	0	-1	1.98	0	1.98	0.81	1	14690	Si
SLU 26	408	-5101	0	1	0	-1	1.98	0	2.98	0.76	1	13679	Si
SLU 20	828	2229	0	1	0	-0.54	1.98	0	0	0	0	0	No
SLU 20	618	-1910	0	1	0	-0.54	1.98	0	1.98	0.81	1	14690	Si
SLU 20	408	-4755	0	1	0	-0.54	1.98	0	2.52	0.78	1	14141	Si
SLU 27	828	2139	0	1	0	-1.16	1.98	0	0	0	0	0	No
SLU 27	618	-2131	0	1	0	-1.16	1.98	0	1.98	0.81	1	14690	Si
SLU 27	408	-4939	0	1	0	-1.16	1.98	0	3.14	0.75	1	13522	Si
SLU 29	828	1942	0	1	0	-1.17	1.98	0	0	0	0	0	No
SLU 29	618	-2044	0	1	0	-1.17	1.98	0	1.98	0.81	1	14690	Si
SLU 29	408	-4763	0	1	0	-1.17	1.98	0	3.15	0.75	1	13509	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 1.5 (SLD), γM = 2.4 (SLV)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLD 1	440	-4036	-608758	0	0	0	No
SLD 1	680	-1385	605680	0	0	0	No
SLV 6	440	-3170	-439491	0	0	0	No
SLV 6	680	-3954	441912	0	0	0	No
SLV 8	440	-5077	-469664	0	0	0	No
SLV 8	680	2057	468752	0	0	0	No
SLV 14	440	-3479	976814	0	0	0	No
SLV 14	680	-1505	-938591	0	0	0	No
SLV 12	440	-4912	188890	0.67	243905	1.291	Si
SLV 12	680	2217	-172739	0	0	0	No
SLV 7	440	-5077	-469664	0	0	0	No
SLV 7	680	2057	468752	0	0	0	No
SLV 11	440	-4912	188890	0.67	243905	1.291	Si
SLV 11	680	2217	-172739	0	0	0	No
SLV 10	440	-3005	219063	0	0	0	No
SLV 10	680	-3795	-199579	0.52	203116	1.018	Si
SLV 13	440	-3479	976814	0	0	0	No
SLV 13	680	-1505	-938591	0	0	0	No
SLV 9	440	-3005	219063	0	0	0	No
SLV 9	680	-3795	-199579	0.52	203116	1.018	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 26	440	-5388	-1287	-148066	0.73	0.83	117.59	0.16	1038		0.81	No
SLU 26	680	-1264	-1287	160676	0.17	0	0	0.05	0		0	No
SLU 21	440	-5170	-1460	-169177	0.7	0.92	101.87	0.17	966		0.66	No
SLU 21	680	-1046	-1460	181111	0.14	0	0	0.05	0		0	No
SLU 1	440	-4019	-1006	-115166	0.55	0.64	114.06	0.13	846		0.84	No
SLU 1	680	-846	-1006	126147	0.12	0	0	0.05	0		0	No
SLU 23	440	-5214	-1423	-164725	0.71	0.9	105.26	0.17	981		0.69	No
SLU 23	680	-1090	-1423	176712	0.15	0	0	0.05	0		0	No
SLU 27	440	-5360	-1398	-162252	0.73	0.89	109.22	0.17	1011		0.72	No
SLU 27	680	-1236	-1398	173122	0.17	0	0	0.05	0		0	No
SLU 20	440	-5139	-1449	-167549	0.7	0.91	102.21	0.17	963		0.66	No
SLU 20	680	-1014	-1449	180177	0.14	0	0	0.05	0		0	No
SLU 25	440	-5328	-1387	-160624	0.73	0.88	109.6	0.17	1008		0.73	No
SLU 25	680	-1204	-1387	172187	0.16	0	0	0.05	0		0	No
SLU 24	440	-5356	-1276	-146438	0.73	0.83	118.01	0.16	1035		0.81	No
SLU 24	680	-1232	-1276	159741	0.17	0	0	0.05	0		0	No
SLU 29	440	-5273	-1498	-174646	0.72	0.95	100.66	0.18	976		0.65	No
SLU 29	680	-1148	-1498	184826	0.16	0	0	0.05	0		0	No
SLU 22	440	-5242	-1312	-150539	0.71	0.84	113.88	0.16	1008		0.77	No
SLU 22	680	-1118	-1312	164266	0.15	0	0	0.05	0		0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 8	440	-5077	-4076	-469664	0.69	0	0	0.06	0		0	No
SLV 8	680	2057	-3566	468752	-0.28	0	0	0.06	0		0	No
SLV 7	440	-5077	-4076	-469664	0.69	0	0	0.06	0		0	No
SLV 7	680	2057	-3566	468752	-0.28	0	0	0.06	0		0	No
SLV 14	440	-3479	8592	976814	0.47	0	0	0.06	0		0	No
SLV 14	680	-1505	7289	-938591	0.21	0	0	0.06	0		0	No
SLV 13	440	-3479	8592	976814	0.47	0	0	0.06	0		0	No
SLV 13	680	-1505	7289	-938591	0.21	0	0	0.06	0		0	No
SLV 12	440	-4912	1711	188890	0.67	1.05	84.66	0.24	1106		0.65	No
SLV 12	680	2217	1463	-172739	-0.3	0	0	0.06	0		0	No
SLD 1	440	-4036	-5337	-608758	0.55	0	0	0.1	0		0	No
SLD 1	680	-1385	-4794	605680	0.19	0	0	0.1	0		0	No
SLV 11	440	-4912	1711	188890	0.67	1.05	84.66	0.24	1106		0.65	No
SLV 11	680	2217	1463	-172739	-0.3	0	0	0.06	0		0	No
SLV 6	440	-3170	-3877	-439491	0.43	0	0	0.06	0		0	No
SLV 6	680	-3954	-3629	441912	0.54	0	0	0.06	0		0	No
SLV 10	440	-3005	1910	219063	0.41	0	0	0.06	0		0	No
SLV 10	680	-3795	1400	-199579	0.52	1.63	42.24	0.33	776		0.55	No
SLV 9	440	-3005	1910	219063	0.41	0	0	0.06	0		0	No
SLV 9	680	-3795	1400	-199579	0.52	1.63	42.24	0.33	776		0.55	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 8	3	0.69	0	1053	62707	0	0	No
SLV 7	3	0.69	0	1053	62707	0	0	No
SLV 11	3	0.69	0	1207	62707	0	0	No
SLV 12	3	0.69	0	1207	62707	0	0	No
SLV 16	3	0.69	1.42	-496	62707	13287	0.21	No
SLV 15	3	0.69	1.42	-496	62707	13287	0.21	No
SLV 4	3	0.69	2.88	-1006	62707	26222	0.42	No
SLV 3	3	0.69	2.88	-1006	62707	26222	0.42	No
SLV 13	3	0.69	6.03	-2108	62707	51625	0.82	No
SLV 14	3	0.69	6.03	-2108	62707	51625	0.82	No

Maschio 92

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
5227.8	3538.5	5374.8	3538.5	L4	L7	146.9	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	3564	0	1	0	-0.37	1.98	0	0	0	0	0	No
SLU 1	618	-2578	0	1	0	-0.37	1.98	0	1.98	0.81	1	16186	Si
SLU 1	408	-5141	0	1	0	-0.37	1.98	0	2.35	0.79	1	15769	Si
SLU 21	828	4504	0	1	0	-0.3	1.98	0	0	0	0	0	No
SLU 21	618	-3455	0	1	0	-0.3	1.98	0	1.98	0.81	1	16186	Si
SLU 21	408	-6722	0	1	0	-0.3	1.98	0	2.28	0.79	1	15856	Si
SLU 22	828	4669	0	1	0	-0.29	1.98	0	0	0	0	0	No
SLU 22	618	-3304	0	1	0	-0.29	1.98	0	1.98	0.81	1	16186	Si
SLU 22	408	-6662	0	1	0	-0.29	1.98	0	2.27	0.8	1	15867	Si
SLU 23	828	4567	0	1	0	-0.29	1.98	0	0	0	0	0	No
SLU 23	618	-3417	0	1	0	-0.29	1.98	0	1.98	0.81	1	16186	Si
SLU 23	408	-6716	0	1	0	-0.29	1.98	0	2.27	0.79	1	15860	Si
SLU 24	828	4708	0	1	0	-0.58	1.98	0	0	0	0	0	No
SLU 24	618	-3448	0	1	0	-0.58	1.98	0	1.98	0.81	1	16186	Si
SLU 24	408	-6789	0	1	0	-0.58	1.98	0	2.56	0.78	1	15542	Si
SLU 25	828	4606	0	1	0	-0.59	1.98	0	0	0	0	0	No
SLU 25	618	-3561	0	1	0	-0.59	1.98	0	1.98	0.81	1	16186	Si
SLU 25	408	-6843	0	1	0	-0.59	1.98	0	2.57	0.78	1	15527	Si
SLU 26	828	4727	0	1	0	-0.58	1.98	0	0	0	0	0	No
SLU 26	618	-3459	0	1	0	-0.58	1.98	0	1.98	0.81	1	16186	Si
SLU 26	408	-6805	0	1	0	-0.58	1.98	0	2.56	0.78	1	15544	Si
SLU 20	828	4485	0	1	0	-0.3	1.98	0	0	0	0	0	No
SLU 20	618	-3444	0	1	0	-0.3	1.98	0	1.98	0.81	1	16186	Si
SLU 20	408	-6706	0	1	0	-0.3	1.98	0	2.28	0.79	1	15854	Si
SLU 27	828	4625	0	1	0	-0.59	1.98	0	0	0	0	0	No
SLU 27	618	-3572	0	1	0	-0.59	1.98	0	1.98	0.81	1	16186	Si
SLU 27	408	-6860	0	1	0	-0.59	1.98	0	2.57	0.78	1	15530	Si
SLU 29	828	4495	0	1	0	-0.56	1.98	0	0	0	0	0	No
SLU 29	618	-3643	0	1	0	-0.56	1.98	0	1.98	0.81	1	16186	Si
SLU 29	408	-6868	0	1	0	-0.56	1.98	0	2.54	0.78	1	15566	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 1.5 (SLD), γM = 2.4 (SLV)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLD 1	440	-4400	-397665	0	0	0	No
SLD 1	680	-938	372158	0	0	0	No
SLV 14	440	-7099	512860	0.88	346882	0.676	No
SLV 14	680	-3020	-439987	0	0	0	No
SLV 13	440	-7099	512860	0.88	346882	0.676	No
SLV 13	680	-3020	-439987	0	0	0	No
SLV 4	440	-3336	-695498	0	0	0	No
SLV 4	680	-193	638643	0	0	0	No
SLV 12	440	-5739	252194	0.71	307468	1.219	Si
SLV 12	680	-2212	-203702	0	0	0	No
SLV 7	440	-4617	-137109	0.57	265308	1.935	Si
SLV 7	680	-1334	143210	0	0	0	No
SLV 11	440	-5739	252194	0.71	307468	1.219	Si
SLV 11	680	-2212	-203702	0	0	0	No
SLV 8	440	-4617	-137109	0.57	265308	1.935	Si
SLV 8	680	-1334	143210	0	0	0	No
SLV 6	440	-4696	-434832	0	0	0	No
SLV 6	680	-1000	402358	0	0	0	No
SLV 5	440	-4696	-434832	0	0	0	No
SLV 5	680	-1000	402358	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 22	440	-6578	-1103	-126770	0.81	0.81	146.93	0.16	1276		1.16	Si
SLU 22	680	-1884	-1103	134792	0.23	5.99	5.72	0.85	267		0.24	No
SLU 19	440	-6557	-1124	-127950	0.81	0.81	146.93	0.16	1273		1.13	Si
SLU 19	680	-1863	-1124	138705	0.23	0	0	0.05	0		0	No
SLU 31	440	-6776	-1063	-122078	0.84	0.84	146.93	0.16	1303		1.23	Si
SLU 31	680	-2082	-1063	129788	0.26	1.13	33.4	0.2	368		0.35	No
SLU 26	440	-6732	-1107	-126781	0.83	0.83	146.93	0.16	1297		1.17	Si
SLU 26	680	-2038	-1107	135793	0.25	1.81	20.53	0.29	328		0.3	No
SLU 20	440	-6718	-1029	-116635	0.83	0.83	146.93	0.16	1295		1.26	Si
SLU 20	680	-2024	-1029	127158	0.25	1.15	31.89	0.2	356		0.35	No

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 1	440	-5096	-854	-97186	0.63	0.63	146.93	0.13	1079		1.26	Si
SLU 1	680	-1485	-854	105377	0.18	3.58	7.55	0.53	219		0.26	No
SLU 4	440	-5117	-833	-96006	0.63	0.63	146.93	0.13	1081		1.3	Si
SLU 4	680	-1506	-833	101463	0.19	1.5	18.3	0.25	251		0.3	No
SLU 28	440	-6755	-1084	-123258	0.84	0.84	146.93	0.16	1300		1.2	Si
SLU 28	680	-2061	-1084	133701	0.26	1.45	25.81	0.24	345		0.32	No
SLU 23	440	-6690	-1037	-118850	0.83	0.83	146.93	0.16	1291		1.25	Si
SLU 23	680	-1996	-1037	126709	0.25	1.21	29.98	0.21	348		0.34	No
SLU 24	440	-6722	-1118	-127371	0.83	0.83	146.93	0.16	1295		1.16	Si
SLU 24	680	-2028	-1118	137750	0.25	2.22	16.61	0.35	315		0.28	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 6	440	-4696	-3785	-434832	0.58	0	0	0.06	0		0	No
SLV 6	680	-1000	-3511	402358	0.12	0	0	0.06	0		0	No
SLV 7	440	-4617	-1246	-137109	0.57	0.64	131.3	0.17	1215		0.98	No
SLV 7	680	-1334	-1322	143210	0.17	0	0	0.06	0		0	No
SLV 8	440	-4617	-1246	-137109	0.57	0.64	131.3	0.17	1215		0.98	No
SLV 8	680	-1334	-1322	143210	0.17	0	0	0.06	0		0	No
SLV 4	440	-3336	-6128	-695498	0.41	0	0	0.06	0		0	No
SLV 4	680	-193	-5849	638643	0.02	0	0	0.06	0		0	No
SLV 12	440	-5739	2176	252194	0.71	1.18	88.55	0.26	1257		0.58	No
SLV 12	680	-2212	1901	-203702	0.27	0	0	0.06	0		0	No
SLV 5	440	-4696	-3785	-434832	0.58	0	0	0.06	0		0	No
SLV 5	680	-1000	-3511	402358	0.12	0	0	0.06	0		0	No
SLV 11	440	-5739	2176	252194	0.71	1.18	88.55	0.26	1257		0.58	No
SLV 11	680	-2212	1901	-203702	0.27	0	0	0.06	0		0	No
SLV 14	440	-7099	4518	512860	0.88	35.3	3.66	2.16	435		0.1	No
SLV 14	680	-3020	4240	-439987	0.37	0	0	0.06	0		0	No
SLV 13	440	-7099	4518	512860	0.88	35.3	3.66	2.16	435		0.1	No
SLV 13	680	-3020	4240	-439987	0.37	0	0	0.06	0		0	No
SLD 1	440	-4400	-3494	-397665	0.54	0	0	0.1	0		0	No
SLD 1	680	-938	-3325	372158	0.12	0	0	0.1	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 2	3	0.69	2.89	-1113	69089	29008	0.42	No
SLV 1	3	0.69	2.89	-1113	69089	29008	0.42	No
SLV 3	3	0.69	3.55	-1369	69089	35209	0.51	No
SLV 4	3	0.69	3.55	-1369	69089	35209	0.51	No
SLV 5	3	0.69	4.76	-1836	69089	46117	0.67	No
SLV 6	3	0.69	4.76	-1836	69089	46117	0.67	No
SLV 7	3	0.69	6.97	-2687	69089	64534	0.93	No
SLV 8	3	0.69	6.97	-2687	69089	64534	0.93	No
SLV 9	3	0.69	7.03	-2711	69089	65016	0.94	No
SLV 10	3	0.69	7.03	-2711	69089	65016	0.94	No

Maschio 93

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
5504.8	3538.5	5603.7	3538.5	L4	L7	98.9	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	523	0	1	0	-1.72	1.98	0	0	0	0	0	No
SLU 1	618	-2271	0	1	0	-1.72	1.98	0	1.98	0.81	1	10899	Si
SLU 1	408	-4330	0	1	0	-1.72	1.98	0	3.7	0.72	1	9612	Si
SLU 21	828	707	0	1	0	-1.27	1.98	0	0	0	0	0	No
SLU 21	618	-3037	0	1	0	-1.27	1.98	0	1.98	0.81	1	10899	Si
SLU 21	408	-5701	0	1	0	-1.27	1.98	0	3.25	0.74	1	9946	Si
SLU 22	828	671	0	1	0	-1.34	1.98	0	0	0	0	0	No
SLU 22	618	-2901	0	1	0	-1.34	1.98	0	1.98	0.81	1	10899	Si
SLU 22	408	-5529	0	1	0	-1.34	1.98	0	3.32	0.74	1	9896	Si
SLU 23	828	681	0	1	0	-1.32	1.98	0	0	0	0	0	No
SLU 23	618	-2995	0	1	0	-1.32	1.98	0	1.98	0.81	1	10899	Si
SLU 23	408	-5626	0	1	0	-1.32	1.98	0	3.3	0.74	1	9911	Si
SLU 24	828	593	0	1	0	-3.09	1.98	0	0	0	0	0	No
SLU 24	618	-3011	0	1	0	-3.09	1.98	0	2.54	0.78	1	10482	Si
SLU 24	408	-5646	0	1	0	-3.09	1.98	0	5.07	0.65	1	8719	Si
SLU 25	828	603	0	1	0	-3.04	1.98	0	0	0	0	0	No
SLU 25	618	-3105	0	1	0	-3.04	1.98	0	2.51	0.78	1	10502	Si
SLU 25	408	-5742	0	1	0	-3.04	1.98	0	5.02	0.65	1	8744	Si
SLU 26	828	572	0	1	0	-3.21	1.98	0	0	0	0	0	No
SLU 26	618	-3010	0	1	0	-3.21	1.98	0	2.59	0.78	1	10440	Si
SLU 26	408	-5611	0	1	0	-3.21	1.98	0	5.19	0.64	1	8666	Si
SLU 20	828	727	0	1	0	-1.23	1.98	0	0	0	0	0	No
SLU 20	618	-3038	0	1	0	-1.23	1.98	0	1.98	0.81	1	10899	Si
SLU 20	408	-5735	0	1	0	-1.23	1.98	0	3.21	0.74	1	9974	Si
SLU 27	828	582	0	1	0	-3.15	1.98	0	0	0	0	0	No
SLU 27	618	-3104	0	1	0	-3.15	1.98	0	2.56	0.78	1	10461	Si
SLU 27	408	-5708	0	1	0	-3.15	1.98	0	5.13	0.65	1	8692	Si
SLU 29	828	632	0	1	0	-2.66	1.98	0	0	0	0	0	No
SLU 29	618	-3178	0	1	0	-2.66	1.98	0	2.32	0.79	1	10643	Si

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 29	408	-5827	0	1	0	-2.66	1.98	0	4.64	0.66	1	8920	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 3	440	-4312	4	-6588	0.79	0.79	98.93	0.16	844		225.17	Si
SLU 3	680	-1470	6	-21627	0.27	0.27	98.93	0.09	465		79.26	Si
SLU 30	440	-5642	5	-9781	1.04	1.04	98.93	0.19	1021		198.11	Si
SLU 30	680	-1964	7	-28459	0.36	0.36	98.93	0.1	531		74.53	Si
SLU 2	440	-4349	3	-5451	0.8	0.8	98.93	0.16	849		330.12	Si
SLU 2	680	-1468	6	-22445	0.27	0.27	98.93	0.09	464		75.36	Si
SLU 12	440	-4411	8	-10005	0.81	0.81	98.93	0.16	857		105.68	Si
SLU 12	680	-1617	8	-22870	0.3	0.3	98.93	0.09	484		59.68	Si
SLU 16	440	-4467	7	-11213	0.82	0.82	98.93	0.16	864		130.56	Si
SLU 16	680	-1683	6	-23375	0.31	0.31	98.93	0.09	493		82.64	Si
SLU 20	440	-5580	0	-5227	1.03	1.03	98.93	0.19	1013		2637.68	Si
SLU 20	680	-1815	5	-28035	0.33	0.33	98.93	0.09	511		98.84	Si
SLU 14	440	-4335	7	-10454	0.8	0.8	98.93	0.16	847		120.02	Si
SLU 14	680	-1577	6	-21334	0.29	0.29	98.93	0.09	479		83.38	Si
SLU 29	440	-5679	4	-8644	1.04	1.04	98.93	0.19	1026		257.93	Si
SLU 29	680	-1962	7	-29277	0.36	0.36	98.93	0.1	530		71.48	Si
SLU 11	440	-4448	7	-8868	0.82	0.82	98.93	0.16	862		124.31	Si
SLU 11	680	-1614	8	-23687	0.3	0.3	98.93	0.09	484		57.52	Si
SLU 18	440	-4430	8	-12350	0.81	0.81	98.93	0.16	859		110.24	Si
SLU 18	680	-1686	6	-22557	0.31	0.31	98.93	0.09	493		87.06	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 4	3	0.69	0	3	46522	0	0	No
SLV 1	3	0.69	0	494	46522	0	0	No
SLV 2	3	0.69	0	494	46522	0	0	No
SLV 3	3	0.69	0	3	46522	0	0	No
SLV 6	3	0.69	2.94	-763	46522	19871	0.43	No
SLV 5	3	0.69	2.94	-763	46522	19871	0.43	No
SLV 9	3	0.69	8.98	-2331	46522	53640	1.15	Si
SLV 10	3	0.69	8.98	-2331	46522	53640	1.15	Si
SLV 8	3	0.69	9.24	-2398	46522	54866	1.18	Si
SLV 7	3	0.69	9.24	-2398	46522	54866	1.18	Si

Maschio 94

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
5603.7	4361	5603.7	3538.5	L4	L7	822.5	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	14130	0	1	0	0	1.98	0	0	0	0	0	No
SLU 1	618	-7280	0	1	0	0	1.98	0	1.98	0.81	1	90607	Si
SLU 1	408	-24293	0	1	0	0	1.98	0	1.98	0.81	1	90607	Si
SLU 21	828	19144	0	1	0	0	1.98	0	0	0	0	0	No
SLU 21	618	-8770	0	1	0	0	1.98	0	1.98	0.81	1	90607	Si
SLU 21	408	-31073	0	1	0	0	1.98	0	1.98	0.81	1	90607	Si
SLU 22	828	18330	0	1	0	0	1.98	0	0	0	0	0	No
SLU 22	618	-9553	0	1	0	0	1.98	0	1.98	0.81	1	90607	Si
SLU 22	408	-31726	0	1	0	0	1.98	0	1.98	0.81	1	90607	Si
SLU 23	828	18905	0	1	0	0	1.98	0	0	0	0	0	No
SLU 23	618	-9025	0	1	0	0	1.98	0	1.98	0.81	1	90607	Si
SLU 23	408	-31324	0	1	0	0	1.98	0	1.98	0.81	1	90607	Si
SLU 24	828	18138	0	1	0	0	1.98	0	0	0	0	0	No
SLU 24	618	-9725	0	1	0	0	1.98	0	1.98	0.81	1	90607	Si
SLU 24	408	-31864	0	1	0	0	1.98	0	1.98	0.81	1	90607	Si
SLU 25	828	18714	0	1	0	0	1.98	0	0	0	0	0	No
SLU 25	618	-9197	0	1	0	0	1.98	0	1.98	0.81	1	90607	Si
SLU 25	408	-31462	0	1	0	0	1.98	0	1.98	0.81	1	90607	Si
SLU 26	828	18146	0	1	0	0	1.98	0	0	0	0	0	No
SLU 26	618	-9754	0	1	0	0	1.98	0	1.98	0.81	1	90607	Si
SLU 26	408	-31943	0	1	0	0	1.98	0	1.98	0.81	1	90607	Si
SLU 20	828	19137	0	1	0	0	1.98	0	0	0	0	0	No
SLU 20	618	-8741	0	1	0	0	1.98	0	1.98	0.81	1	90607	Si
SLU 20	408	-30994	0	1	0	0	1.98	0	1.98	0.81	1	90607	Si
SLU 27	828	18721	0	1	0	0	1.98	0	0	0	0	0	No
SLU 27	618	-9226	0	1	0	0	1.98	0	1.98	0.81	1	90607	Si
SLU 27	408	-31540	0	1	0	0	1.98	0	1.98	0.81	1	90607	Si
SLU 29	828	19295	0	1	0	0	1.98	0	0	0	0	0	No
SLU 29	618	-8652	0	1	0	0	1.98	0	1.98	0.81	1	90607	Si
SLU 29	408	-31027	0	1	0	0	1.98	0	1.98	0.81	1	90607	Si

Verifica a pressoflessione nel piano secondo D.M. 17-01-18 NTC §7.8.2.2.1 in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 8	440	-19707	-4196733	0.44	6758595	1.61	Si
SLV 8	690	-2542	3063785	0	0	0	No
SLV 7	440	-19707	-4196733	0.44	6758595	1.61	Si
SLV 7	690	-2542	3063785	0	0	0	No
SLV 6	440	-22969	4277080	0.51	7617855	1.781	Si
SLV 6	690	-3964	-1930025	0	0	0	No
SLD 16	440	-17659	-848163	0.39	6586975	7.766	Si
SLD 16	690	3868	-84107	0	0	0	No

Comb.	Quota	N	M	σ0	Mu	c.s.	Verifica
SLV 9	440	-20169	4011971	0.45	6884761	1.716	Si
SLV 9	690	1714	-2723164	0	0	0	No
SLV 10	440	-20169	4011971	0.45	6884761	1.716	Si
SLV 10	690	1714	-2723164	0	0	0	No
SLV 14	440	-15759	736842	0.35	5620414	7.628	Si
SLV 14	690	8836	-1900659	0	0	0	No
SLV 13	440	-15759	736842	0.35	5620414	7.628	Si
SLV 13	690	8836	-1900659	0	0	0	No
SLV 11	440	-16906	-4461843	0.37	5962177	1.336	Si
SLV 11	690	3136	2270646	0	0	0	No
SLV 12	440	-16906	-4461843	0.37	5962177	1.336	Si
SLV 12	690	3136	2270646	0	0	0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 11	440	-19453	235	25342	0.43	0.43	822.5	0.11	4828		20.54	Si
SLU 11	690	111	242	150605	0	0	0	0.05	0		0	No
SLU 21	440	-25656	-210	-95187	0.57	0.57	822.5	0.13	5655		26.95	Si
SLU 21	690	-266	-202	214038	0.01	0	0	0.05	0		0	No
SLU 23	440	-25946	-344	-95425	0.57	0.57	822.5	0.13	5693		16.55	Si
SLU 23	690	-520	-336	232603	0.01	0	0	0.05	0		0	No
SLU 12	440	-19518	260	56163	0.43	0.43	822.5	0.11	4836		18.62	Si
SLU 12	690	85	266	159249	0	0	0	0.05	0		0	No
SLU 29	440	-25545	-3	-48159	0.56	0.56	822.5	0.12	5640		2164.57	Si
SLU 29	690	-146	6	205585	0	0	0	0.05	0		0	No
SLU 16	440	-19957	120	41305	0.44	0.44	822.5	0.11	4895		40.87	Si
SLU 16	690	-344	126	175073	0.01	0	0	0.05	0		0	No
SLU 20	440	-25591	-235	-126008	0.57	0.57	822.5	0.12	5646		24.07	Si
SLU 20	690	-240	-226	205395	0.01	0	0	0.05	0		0	No
SLU 18	440	-20022	145	72126	0.44	0.44	822.5	0.11	4904		33.92	Si
SLU 18	690	-369	150	183717	0.01	0	0	0.05	0		0	No
SLU 14	440	-19808	126	55926	0.44	0.44	822.5	0.11	4875		38.82	Si
SLU 14	690	-169	132	177814	0	0	0	0.05	0		0	No
SLU 30	440	-25609	22	-17338	0.57	0.57	822.5	0.12	5649		254.77	Si
SLU 30	690	-171	30	214229	0	0	0	0.05	0		0	No

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni sismiche, γM = 2.4 (SLV), γM = 1.5 (SLD)

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLV 9	440	-20169	34688	4011971	0.45	0.58	636.98	0.16	5524		0.16	No
SLV 9	690	1714	30776	-2723164	-0.04	0	0	0.06	0		0	No
SLV 8	440	-19707	-35186	-4196733	0.44	0.6	594.87	0.16	5304		0.15	No
SLV 8	690	-2542	-31261	3063785	0.06	0	0	0.06	0		0	No
SLV 13	440	-15759	6923	736842	0.35	0.35	822.5	0.12	5419		0.78	No
SLV 13	690	8836	10483	-1900659	-0.2	0	0	0.06	0		0	No
SLV 6	440	-22969	36871	4277080	0.51	0.62	675.12	0.16	6120		0.17	No
SLV 6	690	-3964	29840	-1930025	0.09	0	0	0.06	0		0	No
SLV 10	440	-20169	34688	4011971	0.45	0.58	636.98	0.16	5524		0.16	No
SLV 10	690	1714	30776	-2723164	-0.04	0	0	0.06	0		0	No
SLV 12	440	-16906	-37368	-4461843	0.37	0.7	441.99	0.18	4318		0.12	No
SLV 12	690	3136	-30325	2270646	-0.07	0	0	0.06	0		0	No
SLV 14	440	-15759	6923	736842	0.35	0.35	822.5	0.12	5419		0.78	No
SLV 14	690	8836	10483	-1900659	-0.2	0	0	0.06	0		0	No
SLV 7	440	-19707	-35186	-4196733	0.44	0.6	594.87	0.16	5304		0.15	No
SLV 7	690	-2542	-31261	3063785	0.06	0	0	0.06	0		0	No
SLD 16	440	-17659	-6624	-848163	0.39	0.39	822.5	0.2	9177		1.39	Si
SLD 16	690	3868	-3588	-84107	-0.09	0	0	0.1	0		0	No
SLV 11	440	-16906	-37368	-4461843	0.37	0.7	441.99	0.18	4318		0.12	No
SLV 11	690	3136	-30325	2270646	-0.07	0	0	0.06	0		0	No

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 16	3	0.69	0	2769	386762	0	0	No
SLV 13	3	0.69	0	2641	386762	0	0	No
SLV 15	3	0.69	0	2769	386762	0	0	No
SLV 14	3	0.69	0	2641	386762	0	0	No
SLV 11	3	0.69	1.78	-3843	386762	102265	0.26	No
SLV 12	3	0.69	1.78	-3843	386762	102265	0.26	No
SLV 9	3	0.69	1.98	-4269	386762	113162	0.29	No
SLV 10	3	0.69	1.98	-4269	386762	113162	0.29	No
SLV 8	3	0.69	4.47	-9638	386762	243527	0.63	No
SLV 7	3	0.69	4.47	-9638	386762	243527	0.63	No

Maschio 95

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)
Maschio considerato membratura sismica secondaria

Dati geometrici

X ini.	Y ini.	X fin.	Y fin.	Quota i.	Quota.s	l	Sp.	h netta	h ini.	h fin.	a	a.s.,sx	a.s.,dx
5603.7	4584.8	5603.7	4501	L4	L7	83.9	55	396	420	420			

Caratteristiche del materiale

Muratura in pietrame disordinata (ciottoli, pietre erratiche e irregolari) LC1 - C8.5.I

fk o fmedio	fvk0 o τ	E	G	FC
10	0.2	8000	3200	1.35

Verifica a pressoflessione per azioni non sismiche 4.5.6.2 D.M. 17-01-18 (N.T.C.) γM = 3

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 1	828	342	0	1	0	0	1.98	0	0	0	0	0	No
SLU 1	618	-1529	0	1	0	0	1.98	0	1.98	0.81	1	9237	Si
SLU 1	408	-3045	0	1	0	0	1.98	0	1.98	0.81	1	9237	Si

Comb.	Quota	N	M	p	es1	es2	ea	ev	e ver	Φt	Φl	Nu	Verifica
SLU 21	828	463	0	1	0	0	1.98	0	0	0	0	0	No
SLU 21	618	-1879	0	1	0	0	1.98	0	1.98	0.81	1	9237	Si
SLU 21	408	-3906	0	1	0	0	1.98	0	1.98	0.81	1	9237	Si
SLU 22	828	453	0	1	0	0	1.98	0	0	0	0	0	No
SLU 22	618	-1981	0	1	0	0	1.98	0	1.98	0.81	1	9237	Si
SLU 22	408	-3954	0	1	0	0	1.98	0	1.98	0.81	1	9237	Si
SLU 23	828	464	0	1	0	0	1.98	0	0	0	0	0	No
SLU 23	618	-1901	0	1	0	0	1.98	0	1.98	0.81	1	9237	Si
SLU 23	408	-3916	0	1	0	0	1.98	0	1.98	0.81	1	9237	Si
SLU 24	828	446	0	1	0	0	1.98	0	0	0	0	0	No
SLU 24	618	-1991	0	1	0	0	1.98	0	1.98	0.81	1	9237	Si
SLU 24	408	-3961	0	1	0	0	1.98	0	1.98	0.81	1	9237	Si
SLU 25	828	457	0	1	0	0	1.98	0	0	0	0	0	No
SLU 25	618	-1911	0	1	0	0	1.98	0	1.98	0.81	1	9237	Si
SLU 25	408	-3923	0	1	0	0	1.98	0	1.98	0.81	1	9237	Si
SLU 26	828	452	0	1	0	0	1.98	0	0	0	0	0	No
SLU 26	618	-1979	0	1	0	0	1.98	0	1.98	0.81	1	9237	Si
SLU 26	408	-3955	0	1	0	0	1.98	0	1.98	0.81	1	9237	Si
SLU 20	828	457	0	1	0	0	1.98	0	0	0	0	0	No
SLU 20	618	-1892	0	1	0	0	1.98	0	1.98	0.81	1	9237	Si
SLU 20	408	-3911	0	1	0	0	1.98	0	1.98	0.81	1	9237	Si
SLU 27	828	463	0	1	0	0	1.98	0	0	0	0	0	No
SLU 27	618	-1898	0	1	0	0	1.98	0	1.98	0.81	1	9237	Si
SLU 27	408	-3917	0	1	0	0	1.98	0	1.98	0.81	1	9237	Si
SLU 29	828	467	0	1	0	0	1.98	0	0	0	0	0	No
SLU 29	618	-1836	0	1	0	0	1.98	0	1.98	0.81	1	9237	Si
SLU 29	408	-3887	0	1	0	0	1.98	0	1.98	0.81	1	9237	Si

Verifica a taglio nel piano secondo NTC D.M. 17-01-18 NTC §7.8.2.2.2 con rottura per scorrimento in combinazioni non sismiche, γM = 3

Comb.	Quota	N	V par	M	σ0	σN	l'	fvd	Vt scorr.	Vt fess.diag.	c.s.	Verifica
SLU 2	440	-2801	-5	-6447	0.61	0.61	83.85	0.13	601		125.27	Si
SLU 2	690	-720	-5	-6654	0.16	0.16	83.85	0.07	324		67	Si
SLU 32	440	-3649	-5	-9499	0.79	0.79	83.85	0.15	714		146.76	Si
SLU 32	690	-943	-5	-10117	0.2	0.2	83.85	0.08	353		72.07	Si
SLU 30	440	-3627	-6	-10066	0.79	0.79	83.85	0.15	711		127.51	Si
SLU 30	690	-921	-6	-10504	0.2	0.2	83.85	0.08	351		62.39	Si
SLU 12	440	-2733	-5	-10910	0.59	0.59	83.85	0.13	592		129.47	Si
SLU 12	690	-652	-5	-11180	0.14	0.16	74.34	0.07	289		62.7	Si
SLU 21	440	-3682	-5	-6639	0.8	0.8	83.85	0.16	719		130.67	Si
SLU 21	690	-976	-6	-7094	0.21	0.21	83.85	0.08	358		64.61	Si
SLU 34	440	-3658	-5	-9145	0.79	0.79	83.85	0.16	716		144.19	Si
SLU 34	690	-953	-5	-9739	0.21	0.21	83.85	0.08	355		70.95	Si
SLU 20	440	-3694	-6	-5602	0.8	0.8	83.85	0.16	720		124.1	Si
SLU 20	690	-989	-6	-5979	0.21	0.21	83.85	0.08	360		61.53	Si
SLU 3	440	-2788	-4	-7484	0.6	0.6	83.85	0.13	600		133.38	Si
SLU 3	690	-707	-5	-7769	0.15	0.15	83.85	0.07	322		71.14	Si
SLU 29	440	-3639	-6	-9029	0.79	0.79	83.85	0.15	713		121.2	Si
SLU 29	690	-934	-6	-9389	0.2	0.2	83.85	0.08	352		59.46	Si
SLU 11	440	-2746	-5	-9873	0.6	0.6	83.85	0.13	594		121.74	Si
SLU 11	690	-664	-5	-10065	0.14	0.15	80.33	0.07	307		62.47	Si

Verifica a pressoflessione fuori piano D.M. 17-01-18 (N.T.C.)

quota 618 Wa 0.1 denominatore 8

Comb.	fd	Sa	x	N	M	Mc	Coeff.s.	Verifica
SLV 1	3	0.69	0	2089	39430	0	0	No
SLV 4	3	0.69	0	1146	39430	0	0	No
SLV 3	3	0.69	0	1146	39430	0	0	No
SLV 2	3	0.69	0	2089	39430	0	0	No
SLV 6	3	0.69	0	1030	39430	0	0	No
SLV 5	3	0.69	0	1030	39430	0	0	No
SLV 10	3	0.69	3.73	-821	39430	21050	0.53	No
SLV 9	3	0.69	3.73	-821	39430	21050	0.53	No
SLV 8	3	0.69	9.61	-2113	39430	47960	1.22	Si
SLV 7	3	0.69	9.61	-2113	39430	47960	1.22	Si

Verifiche

Verifiche pilastrate C.A.

***Q.inf.**: quota inferiore [cm]*
***Q.sup.**: quota superiore [cm]*
***Sezione**: sezione impiegata*
***Esistente**: campata esistente*
***Secondaria**: campata secondaria*
***Dissipativa**: campata dissipativa*
***Interna a parete**: campata adiacente ad una parete in c.a.*
***Sovraresistenza**: aliquota di sovraresistenza da assicurare in verifica*
***Materiale CLS**: materiale calcestruzzo impiegato*
***Materiale Acciaio**: materiale/i acciaio impiegato/i*
***FC**: fattore di confidenza riferito al materiale CLS*
***Posizione**: posizione della barra*
***X**: ascissa relativa della barra rispetto al baricentro della sezione [cm]*
***Y**: ordinata relativa della barra rispetto al baricentro della sezione [cm]*
***Diametro**: diametro nominale della barra [cm]*
***Area**: area nominale della barra [cm²]*
***Q.inf.**: quota inferiore della barra [cm]*
***Q.sup.**: quota superiore della barra [cm]*
***Materiale**: materiale della barra*
***Quota**: quota della sezione [cm]*
***As**: area complessiva delle armature verticali [cm²]*
***%**: percentuale di acciaio*
***At**: area delle armature verticali destinata alla verifica di torsione [cm²]*
***Pos.**: posizioni barre longitudinali presenti nella sezione*
***Mx**: momento Mx [daN*cm]*
***My**: momento My [daN*cm]*
***N**: sforzo normale [daN]*
***MRdx**: momento resistente in direzione X [daN*cm]*
***MRdy**: momento resistente in direzione Y [daN*cm]*
***Comb.**: combinazione peggiore*
***Coeff.s.**: coefficiente di sicurezza minimo*
***Verifica**: stato di verifica*
***C.S.**: coefficiente di sicurezza minimo*
***Nmin**: compressione massima [daN]*
***Nlim**: compressione limite [daN]*
***Comb.Nmin**: combinazione in cui si ottiene la compressione massima*
***Ver.**: stato di verifica*
***Molt.**: moltiplicatore delle azioni sismiche che attiva il meccanismo*
***TR**: periodo di ritorno associato all'attivazione del meccanismo*
***I.R.TR**: indicatore di rischio sismico in termini di periodo di ritorno*
***PGA**: pga associata all'attivazione del meccanismo*
***I.R.PGA**: indicatore di rischio sismico in termini di pga*
***Staffe**: staffatura presente nella sezione*
***Direzione X**: dati della verifica a taglio in direzione X*
***V**: taglio di verifica per la direzione considerata [daN]*
***N**: sforzo normale per la verifica nella direzione considerata [daN]*
***Comb.**: combinazione per la verifica nella direzione considerata*
***VRd**: resistenza a taglio del calcestruzzo non staffato per la verifica nella direzione considerata [daN]*
***VRsd**: resistenza a taglio delle staffe per la verifica nella direzione considerata [daN]*
***VRcd**: resistenza a taglio delle bielle compresse per la verifica nella direzione considerata [daN]*
***Cot**: cotagente delle bielle compresse per la verifica nella direzione considerata*
***c.s.**: coefficiente di sicurezza per la verifica nella direzione considerata*
***Direzione Y**: dati della verifica a taglio in direzione Y*

Le unità di misura delle verifiche elencate nel capitolo sono in [cm, daN] ove non espressamente specificato.

Pilastrata 1

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	692	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	164570	296799	-6097	428604	772980	SLU 30	2.604	Si
450	18.1	2.3	0	2,3,4,5	137018	239803	-5943	462435	809332	SLU 30	3.375	Si
692	18.1	1.1	0	5	-86644	-222884	-4689	-318672	-819759	SLU 30	3.678	Si
480	18.1	2.3	0	2,3,4,5	109003	181847	-5786	517160	862769	SLU 30	4.744	Si
662	18.1	1.1	0	5	-59092	-165888	-4843	-333916	-937399	SLU 30	5.651	Si
511	18.1	1.1	0	5	81235	123309	-5528	598228	908067	SLU 29	7.364	Si
-10	18.1	1.8	0	1,2,3,4	113305	-105243	-14577	1162010	-1079326	SLU 30	10.256	Si
350	18.1	0.9	0	2,3,4	-163396	39512	-10308	-1745804	422166	SLU 22	10.684	Si
631	18.1	1.1	0	5	-31076	-107932	-5000	-341532	-1186196	SLU 30	10.99	Si
20	18.1	1.8	0	1,2,3,4	90537	-95143	-14385	1040755	-1093701	SLU 30	11.495	Si
320	18.1	0.9	0	2,3,4	-144383	9067	-12408	-1731271	108723	SLU 30	11.991	Si
50	18.1	1.8	0	1,2,3,4	66773	-84601	-14185	853431	-1081298	SLU 30	12.781	Si
290	18.1	0.9	0	2,3,4	-120921	-1340	-12606	-1585454	-17575	SLU 30	13.111	Si
541	18.1	1.1	0	5	53249	65987	-5371	741460	918829	SLU 29	13.924	Si
80	18.1	0.9	0	2,3,4	43311	-74193	-13988	609405	-1043937	SLU 30	14.07	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	2,3,4,5	1355047	253040	492	586164	109459	SLV 5	0.433				No
350	18.1	0.9	0	2,3,4	-1299892	-925817	8071	-599503	-426981	SLV 5	0.461				No
320	18.1	0.9	0	2,3,4	-1198408	-851702	7921	-595775	-423414	SLV 5	0.497				No
450	18.1	2.3	0	2,3,4,5	1119831	205802	611	584616	107440	SLV 5	0.522				No
290	18.1	0.9	0	2,3,4	-1095227	-776488	7769	-591336	-419242	SLV 5	0.54				No
260	18.1	0.9	0	2,3,4	-992079	-701496	7617	-586057	-414399	SLV 5	0.591				No
230	18.1	0.9	0	2,3,4	-888979	-626825	7466	-579735	-408775	SLV 5	0.652				No
480	18.1	2.3	0	2,3,4,5	880656	157626	732	582213	104209	SLV 5	0.661				No
692	18.1	1.1	0	5	-789660	-431459	1575	-565634	-309054	SLV 5	0.716				No
200	18.1	0.9	0	2,3,4	-725798	-102454	12410	-528255	-74569	SLV 9	0.728				No
170	18.1	0.9	0	2,3,4	-635688	-85348	12258	-513097	-68889	SLV 9	0.807				No
511	18.1	1.1	0	5	641483	109057	853	578072	98276	SLV 5	0.901				No
140	18.1	0.9	0	2,3,4	-545188	-69684	12106	-494113	-63156	SLV 9	0.906				No
662	18.1	1.1	0	5	-554448	-325894	1457	-559470	-328846	SLV 5	1.009				Si
110	18.1	0.9	0	2,3,4	-454142	131473	11954	-466881	135161	SLV 9	1.028				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	668635	228602	-2295	618277	211385	SLD 5	0.925	No
350	18.1	0.9	0	2,3,4	-646012	-397975	-1259	-692652	-426707	SLD 5	1.072	Si
450	18.1	2.3	0	2,3,4,5	553023	185209	-2176	623348	208761	SLD 5	1.127	Si
320	18.1	0.9	0	2,3,4	-591564	-369599	-1408	-697104	-435538	SLD 5	1.178	Si
290	18.1	0.9	0	2,3,4	-536204	-340811	-1560	-702536	-446532	SLD 5	1.31	Si
480	18.1	2.3	0	2,3,4,5	435465	141022	-2055	631458	204493	SLD 5	1.45	Si
260	18.1	0.9	0	2,3,4	-480858	-312122	-1712	-709177	-460323	SLD 5	1.475	Si
692	18.1	1.1	0	5	-385515	-279357	-1212	-591228	-428423	SLD 5	1.534	Si
230	18.1	0.9	0	2,3,4	-425532	-283575	-1864	-717455	-478112	SLD 5	1.686	Si
200	18.1	0.9	0	2,3,4	-370121	-255183	-2016	-728011	-501933	SLD 5	1.967	Si
511	18.1	1.1	0	5	317908	96660	-1935	646167	196468	SLD 5	2.033	Si
662	18.1	1.1	0	5	-269905	-210153	-1331	-595642	-463778	SLD 5	2.207	Si
170	18.1	0.9	0	2,3,4	-294043	-52958	87	-683125	-123034	SLD 9	2.323	Si
140	18.1	0.9	0	2,3,4	-244292	-50521	-64	-689495	-142590	SLD 9	2.822	Si
541	18.1	1.1	0	5	200355	51437	-1814	680415	174681	SLD 5	3.396	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.405	99	0.445	0.153	0.422	SLV 5	No
350	0.473	136	0.507	0.179	0.491	SLV 5	No
320	0.516	163	0.546	0.194	0.534	SLV 5	No
450	0.504	155	0.535	0.19	0.521	SLV 5	No
290	0.564	197	0.59	0.212	0.582	SLV 5	No
260	0.621	242	0.642	0.232	0.636	SLV 5	No
230	0.686	300	0.702	0.254	0.698	SLV 5	No
480	0.652	269	0.671	0.242	0.666	SLV 5	No
692	0.709	323	0.723	0.262	0.721	SLV 5	No
200	0.76	376	0.77	0.28	0.769	SLV 9	No
170	0.836	463	0.838	0.306	0.842	SLV 9	No
511	0.9	552	0.901	0.329	0.904	SLV 5	No
140	0.923	586	0.923	0.337	0.925	SLV 9	No
662	1.01	728	1.009	0.367	1.009	SLV 5	Si
110	1.021	749	1.021	0.371	1.02	SLV 9	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.916	69	0.966	0.129	0.911	SLD 5	No
350	1.07	95	1.102	0.151	1.067	SLD 5	Si
450	1.139	107	1.157	0.16	1.133	SLD 5	Si
320	1.166	113	1.183	0.164	1.161	SLD 5	Si
290	1.275	135	1.273	0.178	1.265	SLD 5	Si
480	1.477	184	1.445	0.205	1.456	SLD 5	Si
260	1.402	165	1.382	0.195	1.385	SLD 5	Si
692	1.602	219	1.552	0.222	1.572	SLD 5	Si
230	1.549	203	1.504	0.215	1.523	SLD 5	Si
200	1.719	256	1.654	0.238	1.683	SLD 5	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
511	2.037	371	1.926	0.279	1.974	SLD 5	Si
662	2.283	476	2.133	0.31	2.197	SLD 5	Si
170	1.887	314	1.799	0.259	1.836	SLD 9	Si
140	2.087	390	1.966	0.285	2.017	SLD 9	Si
541	3.156	1049	2.949	0.423	2.997	SLD 5	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
692	2X/2Y ø6/24.7	-1919	-4689	SLU 30	5774	3568	25956	2.5	3.01	-927	-4589	SLU 29	5761	3568	25943	2.5	6.22	Si
662	2X/2Y ø6/24.7	-1919	-4843	SLU 30	5794	3568	25977	2.5	3.02	-927	-4743	SLU 29	5781	3568	25963	2.5	6.24	Si
631	2X/2Y ø6/24.7	-1919	-5000	SLU 30	5814	3568	25998	2.5	3.03	-927	-4900	SLU 29	5801	3568	25985	2.5	6.26	Si
601	2X/2Y ø6/24.7	-1919	-5157	SLU 30	5835	3568	26019	2.5	3.04	-927	-5057	SLU 29	5821	3568	26006	2.5	6.28	Si
571	2X/2Y ø6/24.7	-1919	-5314	SLU 30	5855	3568	26040	2.5	3.05	-927	-5214	SLU 29	5842	3568	26027	2.5	6.3	Si
541	2X/2Y ø6/24.7	-1919	-5471	SLU 30	5875	3568	26062	2.5	3.06	-927	-5371	SLU 29	5862	3568	26048	2.5	6.33	Si
511	2X/2Y ø6/24.7	-1919	-5628	SLU 30	5896	3568	26083	2.5	3.07	-927	-5528	SLU 29	5883	3568	26069	2.5	6.35	Si
480	2X/2Y ø6/24.7	-1919	-5786	SLU 30	5916	3568	26104	2.5	3.08	-927	-5685	SLU 29	5903	3568	26090	2.5	6.37	Si
450	2X/2Y ø6/24.7	-1919	-5943	SLU 30	5937	3568	26125	2.5	3.09	-927	-5842	SLU 29	5924	3568	26111	2.5	6.39	Si
420	2X/2Y ø6/24.7	-1919	-6097	SLU 30	5957	3568	26146	2.5	3.1	-927	-5997	SLU 29	5944	3568	26132	2.5	6.41	Si
350	2X/2Y ø6/24	375	-11113	SLU 35	7838	4203	34117	2.5	20.92	-782	-12214	SLU 30	7984	4203	34268	2.5	10.21	Si
320	2X/2Y ø6/24	375	-11308	SLU 35	7864	4203	34144	2.5	20.99	-782	-12408	SLU 30	8010	4203	34295	2.5	10.24	Si
290	2X/2Y ø6/24	375	-11505	SLU 35	7890	4203	34171	2.5	21.06	-782	-12606	SLU 30	8036	4203	34322	2.5	10.28	Si
260	2X/2Y ø6/24	375	-11702	SLU 35	7916	4203	34198	2.5	21.13	-782	-12803	SLU 30	8062	4203	34349	2.5	10.31	Si
230	2X/2Y ø6/24	375	-11900	SLU 35	7943	4203	34225	2.5	21.2	-782	-13001	SLU 30	8088	4203	34376	2.5	10.34	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
692	2X/2Y ø6/24.7	-6836	-3518	SLV 1	5621	3568	25799	2.5	0.82	-9798	2874	SLV 5	5163	3568	25325	2.5	0.53	No
662	2X/2Y ø6/24.7	-6836	-3637	SLV 1	5637	3568	25815	2.5	0.82	-9798	2755	SLV 5	5163	3568	25325	2.5	0.53	No
631	2X/2Y ø6/24.7	-6836	-3758	SLV 1	5652	3568	25831	2.5	0.83	-9798	2635	SLV 5	5163	3568	25325	2.5	0.53	No
601	2X/2Y ø6/24.7	-6836	-3879	SLV 1	5668	3568	25847	2.5	0.83	-9798	2514	SLV 5	5163	3568	25325	2.5	0.53	No
571	2X/2Y ø6/24.7	-6836	-4000	SLV 1	5684	3568	25863	2.5	0.83	-9798	2393	SLV 5	5163	3568	25325	2.5	0.53	No
541	2X/2Y ø6/24.7	-6836	-4120	SLV 1	5700	3568	25880	2.5	0.83	-9798	2272	SLV 5	5163	3568	25325	2.5	0.53	No
511	2X/2Y ø6/24.7	-6836	-4241	SLV 1	5715	3568	25896	2.5	0.84	-9798	2152	SLV 5	5163	3568	25325	2.5	0.53	No
480	2X/2Y ø6/24.7	-6836	-4362	SLV 1	5731	3568	25912	2.5	0.84	-9798	2031	SLV 5	5163	3568	25325	2.5	0.53	No
450	2X/2Y ø6/24.7	-6836	-4483	SLV 1	5747	3568	25928	2.5	0.84	-9798	1910	SLV 5	5163	3568	25325	2.5	0.53	No
420	2X/2Y ø6/24.7	-6836	-4602	SLV 1	5762	3568	25944	2.5	0.84	-9798	1791	SLV 5	5163	3568	25325	2.5	0.53	No
350	2X/2Y ø6/24	4909	-5250	SLV 15	7063	4203	33315	2.5	1.44	-4188	12421	SLV 5	6368	4203	32596	2.5	1.52	Si
320	2X/2Y ø6/24	4909	-5399	SLV 15	7082	4203	33335	2.5	1.44	-4188	12272	SLV 5	6368	4203	32596	2.5	1.52	Si
290	2X/2Y ø6/24	4909	-5551	SLV 15	7102	4203	33356	2.5	1.45	-4188	12120	SLV 5	6368	4203	32596	2.5	1.52	Si
260	2X/2Y ø6/24	4909	-5703	SLV 15	7122	4203	33377	2.5	1.45	-4188	11968	SLV 5	6368	4203	32596	2.5	1.52	Si
230	2X/2Y ø6/24	4909	-5855	SLV 15	7143	4203	33397	2.5	1.45	-4188	11816	SLV 5	6368	4203	32596	2.5	1.52	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
692	2X/2Y ø6/24.7	-3281	-3454	SLD 1	5613	3568	25790	2.5	1.71	-3893	-1212	SLD 5	5321	3568	25488	2.5	1.37	Si
662	2X/2Y ø6/24.7	-3281	-3573	SLD 1	5628	3568	25806	2.5	1.72	-3893	-1331	SLD 5	5337	3568	25504	2.5	1.37	Si
631	2X/2Y ø6/24.7	-3281	-3694	SLD 1	5644	3568	25822	2.5	1.72	-3893	-1451	SLD 5	5352	3568	25520	2.5	1.37	Si
601	2X/2Y ø6/24.7	-3281	-3815	SLD 1	5660	3568	25839	2.5	1.73	-3893	-1572	SLD 5	5368	3568	25537	2.5	1.38	Si
571	2X/2Y ø6/24.7	-3281	-3935	SLD 1	5675	3568	25855	2.5	1.73	-3893	-1693	SLD 5	5384	3568	25553	2.5	1.38	Si
541	2X/2Y ø6/24.7	-3281	-4056	SLD 1	5691	3568	25871	2.5	1.73	-3893	-1814	SLD 5	5399	3568	25569	2.5	1.39	Si
511	2X/2Y ø6/24.7	-3281	-4177	SLD 1	5707	3568	25887	2.5	1.74	-3893	-1935	SLD 5	5415	3568	25585	2.5	1.39	Si
480	2X/2Y ø6/24.7	-3281	-4298	SLD 1	5723	3568	25904	2.5	1.74	-3893	-2055	SLD 5	5431	3568	25602	2.5	1.4	Si
450	2X/2Y ø6/24.7	-3281	-4419	SLD 1	5738	3568	25920	2.5	1.75	-3893	-2176	SLD 5	5447	3568	25618	2.5	1.4	Si
420	2X/2Y ø6/24.7	-3281	-4537	SLD 1	5754	3568	25936	2.5	1.75	-3893	-2295	SLD 5	5462	3568	25634	2.5	1.4	Si
350	2X/2Y ø6/24	1899	-7465	SLD 15	7356	4203	33618	2.5	3.87	-1847	-1259	SLD 5	6534	4203	32768	2.5	3.54	Si
320	2X/2Y ø6/24	1899	-7614	SLD 15	7375	4203	33638	2.5	3.88	-1847	-1408	SLD 5	6554	4203	32789	2.5	3.55	Si
290	2X/2Y ø6/24	1899	-7766	SLD 15	7395	4203	33659	2.5	3.9	-1847	-1560	SLD 5	6574	4203	32810	2.5	3.56	Si
260	2X/2Y ø6/24	1899	-7918	SLD 15	7416	4203	33680	2.5	3.91	-1847	-1712	SLD 5	6594	4203	32830	2.5	3.57	Si
230	2X/2Y ø6/24	1899	-8070	SLD 15	7436	4203	33701	2.5	3.92	-1847	-1864	SLD 5	6614	4203	32851	2.5	3.58	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
692	0.495	149	0.527	0.186	0.512	SLV 5	No
662	0.496	150	0.528	0.187	0.514	SLV 5	No
631	0.498	151	0.529	0.187	0.515	SLV 5	No
601	0.5	153	0.532	0.189	0.518	SLV 5	No
571	0.501	153	0.532	0.189	0.518	SLV 5	No
541	0.503	154	0.534	0.189	0.52	SLV 5	No
511	0.504	155	0.535	0.19	0.521	SLV 5	No
480	0.506	156	0.537	0.19	0.523	SLV 5	No
450	0.508	158	0.539	0.191	0.526	SLV 5	No
420	0.509	158	0.539	0.191	0.526	SLV 5	No
350	1.422	1762	1.45	0.508	1.397	SLV 15	Si
320	1.426	1775	1.454	0.51	1.401	SLV 15	Si
290	1.43	1788	1.459	0.511	1.405	SLV 15	Si
260	1.434	1801	1.463	0.512	1.408	SLV 15	Si
230	1.438	1814	1.467	0.514	1.412	SLV 15	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
692	1.41	167	1.388	0.197	1.394	SLD 5	Si
662	1.414	167	1.388	0.197	1.394	SLD 5	Si
631	1.418	168	1.392	0.197	1.398	SLD 5	Si
601	1.424	171	1.402	0.199	1.407	SLD 5	Si
571	1.43	172	1.405	0.199	1.411	SLD 5	Si
541	1.434	173	1.409	0.2	1.415	SLD 5	Si
511	1.438	174	1.412	0.2	1.419	SLD 5	Si
480	1.441	175	1.415	0.201	1.423	SLD 5	Si
450	1.445	175	1.415	0.201	1.423	SLD 5	Si
420	1.451	177	1.422	0.202	1.432	SLD 5	Si
350	4.049	2038	3.873	0.535	3.794	SLD 15	Si
320	4.063	2057	3.887	0.537	3.806	SLD 15	Si
290	4.076	2075	3.901	0.539	3.818	SLD 15	Si
260	4.083	2084	3.908	0.54	3.824	SLD 15	Si
230	4.097	2103	3.923	0.541	3.836	SLD 15	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 2

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	692	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	204867	77649	-8565	1075880	407780	SLU 29	5.252	Si
450	18.1	2.3	0	2,3,4,5	168008	61520	-8411	1147146	420054	SLU 29	6.828	Si
692	18.1	1.1	0	5	-131433	-70651	-7441	-1034356	-556010	SLU 30	7.87	Si
-10	18.1	1.8	0	1,2,3,4	187690	266	-18761	1621195	2295	SLU 22	8.638	Si
350	18.1	0.9	0	2,3,4	-146626	113924	-16398	-1268833	985844	SLU 22	8.654	Si
20	18.1	1.8	0	1,2,3,4	136606	9712	-20932	1257465	89401	SLU 32	9.205	Si
480	18.1	2.3	0	2,3,4,5	130530	45120	-8254	1209572	418115	SLU 29	9.267	Si
320	18.1	0.9	0	2,3,4	-98375	107551	-19226	-929304	1015983	SLU 36	9.447	Si
50	18.1	1.8	0	1,2,3,4	109168	19193	-20997	1068817	187908	SLU 30	9.791	Si
290	18.1	0.9	0	2,3,4	-75529	97801	-19423	-757867	981354	SLU 36	10.034	Si
80	18.1	0.9	0	2,3,4	85818	28662	-20800	892034	297933	SLU 30	10.395	Si
260	18.1	0.9	0	2,3,4	-52682	88052	-19621	-556733	930509	SLU 36	10.568	Si
230	18.1	0.9	0	2,3,4	-29836	78303	-19818	-327949	860674	SLU 36	10.992	Si
110	18.1	0.9	0	2,3,4	61549	39305	-20608	676833	432222	SLU 36	10.997	Si
140	18.1	0.9	0	2,3,4	38703	49054	-20411	429717	544651	SLU 36	11.103	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
350	18.1	0.9	0	2,3,4	-331498	-1561657	-6917	-157812	-743437	SLV 1	0.476				No
-10	18.1	1.8	0	1,2,3,4	1351151	10665	651	682988	5391	SLV 9	0.505				No
320	18.1	0.9	0	2,3,4	-272286	-1434030	-7066	-142560	-750814	SLV 1	0.524				No
420	18.1	2.3	0	2,3,4,5	-171531	1133246	-7279	-98823	652893	SLV 3	0.576				No
290	18.1	0.9	0	2,3,4	-212063	-1304241	-7218	-123574	-760008	SLV 1	0.583				No
20	18.1	1.8	0	1,2,3,4	1146086	-6902	798	680476	-4098	SLV 9	0.594				No
260	18.1	0.9	0	2,3,4	-151827	-1174451	-7370	-99743	-771559	SLV 1	0.657				No
50	18.1	1.8	0	1,2,3,4	932054	-15171	952	676559	-11012	SLV 9	0.726				No
450	18.1	2.3	0	2,3,4,5	-140703	910775	-7160	-103293	668615	SLV 3	0.734				No
692	18.1	1.1	0	5	110183	-895223	-6196	81086	-658813	SLV 3	0.736				No
230	18.1	0.9	0	2,3,4	-91548	-1044662	-7522	-68925	-786510	SLV 1	0.753				No
200	18.1	0.9	0	2,3,4	-30856	-914594	-7674	-27215	-806670	SLV 1	0.882				No
80	18.1	0.9	0	2,3,4	720763	-23384	1104	670501	-21753	SLV 9	0.93				No
480	18.1	2.3	0	2,3,4,5	-109375	684560	-7039	-111348	696911	SLV 3	1.018				Si
662	18.1	1.1	0	5	79413	-672753	-6314	81078	-686861	SLV 3	1.021				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2,3,4	-2603	816321	-16498	-3382	1060705	SLD 15	1.299	Si
-10	18.1	1.8	0	1,2,3,4	670863	4861	-8286	878480	6366	SLD 9	1.309	Si
420	18.1	2.3	0	2,3,4,5	7637	532293	-6941	10539	734579	SLD 3	1.38	Si
320	18.1	0.9	0	2,3,4	-1001	749581	-16647	-1493	1117927	SLD 15	1.491	Si
20	18.1	1.8	0	1,2,3,4	569536	1000	-8138	918339	1613	SLD 9	1.612	Si
290	18.1	0.9	0	2,3,4	625	681711	-16799	1097	1196477	SLD 15	1.755	Si
692	18.1	1.1	0	5	-4691	-424316	-5858	-8237	-745018	SLD 3	1.756	Si
450	18.1	2.3	0	2,3,4,5	6255	427377	-6822	11356	775902	SLD 3	1.815	Si
50	18.1	1.8	0	1,2,3,4	463778	1426	-7985	985100	3028	SLD 9	2.124	Si
260	18.1	0.9	0	2,3,4	2245	613840	-16951	4770	1304384	SLD 15	2.125	Si
480	18.1	2.3	0	2,3,4,5	301864	-114196	-4869	760231	-287599	SLD 9	2.518	Si
662	18.1	1.1	0	5	-3285	-319401	-5977	-8425	-819175	SLD 3	2.565	Si
230	18.1	0.9	0	2,3,4	3845	545969	-17103	10106	1434758	SLD 15	2.628	Si
80	18.1	0.9	0	2,3,4	359373	1823	-7833	1105467	5609	SLD 9	3.076	Si
200	18.1	0.9	0	2,3,4	5321	477952	-17255	17700	1589718	SLD 15	3.326	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.547	184	0.574	0.205	0.564	SLV 15	No
-10	0.551	187	0.578	0.207	0.568	SLV 9	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
320	0.606	230	0.629	0.227	0.622	SLV 15	No
420	0.595	220	0.618	0.222	0.611	SLV 3	No
290	0.67	286	0.688	0.249	0.684	SLV 1	No
20	0.642	260	0.662	0.239	0.656	SLV 9	No
260	0.735	350	0.747	0.271	0.746	SLV 1	No
50	0.768	384	0.776	0.283	0.776	SLV 9	No
450	0.752	367	0.762	0.277	0.761	SLV 3	No
692	0.746	361	0.757	0.275	0.756	SLV 3	No
230	0.814	437	0.819	0.299	0.821	SLV 1	No
200	0.915	574	0.915	0.334	0.918	SLV 1	No
80	0.944	619	0.944	0.344	0.946	SLV 9	No
480	1.016	739	1.015	0.369	1.015	SLV 3	Si
662	1.02	746	1.019	0.371	1.019	SLV 3	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	1.236	126	1.237	0.173	1.225	SLD 15	Si
-10	1.246	129	1.249	0.174	1.235	SLD 9	Si
420	1.344	150	1.329	0.187	1.327	SLD 3	Si
320	1.371	157	1.354	0.191	1.355	SLD 15	Si
20	1.449	176	1.419	0.201	1.428	SLD 9	Si
290	1.514	193	1.473	0.21	1.488	SLD 1	Si
692	1.688	246	1.627	0.233	1.654	SLD 3	Si
450	1.699	250	1.638	0.235	1.664	SLD 3	Si
50	1.734	261	1.667	0.239	1.696	SLD 9	Si
260	1.66	237	1.603	0.23	1.628	SLD 1	Si
480	2.298	483	2.146	0.312	2.211	SLD 3	Si
662	2.307	487	2.153	0.313	2.217	SLD 3	Si
230	1.84	297	1.758	0.253	1.793	SLD 1	Si
80	2.134	411	2.009	0.291	2.062	SLD 9	Si
200	2.066	382	1.949	0.282	2	SLD 1	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
692	2X/2Y ø6/24.7	-551	-7441	SLU 30	6132	3568	26327	2.5	11.13	-1241	-7157	SLU 29	6095	3568	26288	2.5	4.91	Si
662	2X/2Y ø6/24.7	-551	-7596	SLU 30	6152	3568	26347	2.5	11.17	-1241	-7312	SLU 29	6115	3568	26309	2.5	4.93	Si
631	2X/2Y ø6/24.7	-551	-7753	SLU 30	6172	3568	26369	2.5	11.21	-1241	-7469	SLU 29	6135	3568	26330	2.5	4.94	Si
601	2X/2Y ø6/24.7	-551	-7910	SLU 30	6193	3568	26390	2.5	11.25	-1241	-7626	SLU 29	6156	3568	26352	2.5	4.96	Si
571	2X/2Y ø6/24.7	-551	-8067	SLU 30	6213	3568	26411	2.5	11.28	-1241	-7783	SLU 29	6176	3568	26373	2.5	4.98	Si
541	2X/2Y ø6/24.7	-551	-8224	SLU 30	6234	3568	26432	2.5	11.32	-1241	-7940	SLU 29	6197	3568	26394	2.5	4.99	Si
511	2X/2Y ø6/24.7	-551	-8381	SLU 30	6254	3568	26453	2.5	11.36	-1241	-8097	SLU 29	6217	3568	26415	2.5	5.01	Si
480	2X/2Y ø6/24.7	-551	-8538	SLU 30	6274	3568	26474	2.5	11.39	-1241	-8254	SLU 29	6237	3568	26436	2.5	5.03	Si
450	2X/2Y ø6/24.7	-551	-8695	SLU 30	6295	3568	26495	2.5	11.43	-1241	-8411	SLU 29	6258	3568	26457	2.5	5.04	Si
420	2X/2Y ø6/24.7	-551	-8849	SLU 30	6315	3568	26516	2.5	11.47	-1241	-8565	SLU 29	6278	3568	26478	2.5	5.06	Si
350	2X/2Y ø6/24	328	-17838	SLU 35	8728	4203	35038	2.5	26.59	-946	-15905	SLU 19	8473	4203	34773	2.5	8.95	Si
320	2X/2Y ø6/24	328	-18032	SLU 35	8754	4203	35064	2.5	26.67	-946	-16099	SLU 19	8498	4203	34800	2.5	8.98	Si
290	2X/2Y ø6/24	328	-18230	SLU 35	8780	4203	35091	2.5	26.75	-946	-16297	SLU 19	8524	4203	34827	2.5	9.01	Si
260	2X/2Y ø6/24	328	-18427	SLU 35	8806	4203	35119	2.5	26.83	-946	-16494	SLU 19	8550	4203	34854	2.5	9.04	Si
230	2X/2Y ø6/24	328	-18624	SLU 35	8832	4203	35146	2.5	26.91	-946	-16691	SLU 19	8577	4203	34881	2.5	9.06	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
692	2X/2Y ø6/24.7	-9336	-6353	SLV 3	5990	3568	26180	2.5	0.64	-6579	-1125	SLV 9	5310	3568	25476	2.5	0.81	No
662	2X/2Y ø6/24.7	-9336	-6472	SLV 3	6006	3568	26196	2.5	0.64	-6579	-1244	SLV 9	5325	3568	25492	2.5	0.81	No
631	2X/2Y ø6/24.7	-9336	-6593	SLV 3	6021	3568	26212	2.5	0.64	-6579	-1364	SLV 9	5341	3568	25509	2.5	0.81	No
601	2X/2Y ø6/24.7	-9336	-6713	SLV 3	6037	3568	26229	2.5	0.65	-6579	-1485	SLV 9	5357	3568	25525	2.5	0.81	No
571	2X/2Y ø6/24.7	-9336	-6834	SLV 3	6053	3568	26245	2.5	0.65	-6579	-1606	SLV 9	5372	3568	25541	2.5	0.82	No
541	2X/2Y ø6/24.7	-9336	-6955	SLV 3	6068	3568	26261	2.5	0.65	-6579	-1727	SLV 9	5388	3568	25557	2.5	0.82	No
511	2X/2Y ø6/24.7	-9336	-7076	SLV 3	6084	3568	26277	2.5	0.65	-6579	-1848	SLV 9	5404	3568	25574	2.5	0.82	No
480	2X/2Y ø6/24.7	-9336	-7196	SLV 3	6100	3568	26294	2.5	0.65	-6579	-1968	SLV 9	5420	3568	25590	2.5	0.82	No
450	2X/2Y ø6/24.7	-9336	-7317	SLV 3	6116	3568	26310	2.5	0.66	-6579	-2089	SLV 9	5435	3568	25606	2.5	0.83	No
420	2X/2Y ø6/24.7	-9336	-7436	SLV 3	6131	3568	26326	2.5	0.66	-6579	-2208	SLV 9	5451	3568	25622	2.5	0.83	No
350	2X/2Y ø6/24	-5514	-5190	SLV 1	7055	4203	33306	2.5	1.28	-8706	6635	SLV 9	6368	4203	32596	2.5	0.73	No
320	2X/2Y ø6/24	-5514	-5339	SLV 1	7074	4203	33327	2.5	1.28	-8706	6486	SLV 9	6368	4203	32596	2.5	0.73	No
260	2X/2Y ø6/24	-5514	-5643	SLV 1	7115	4203	33368	2.5	1.29	-8706	6182	SLV 9	6368	4203	32596	2.5	0.73	No
230	2X/2Y ø6/24	-5514	-5795	SLV 1	7135	4203	33389	2.5	1.29	-8706	6030	SLV 9	6368	4203	32596	2.5	0.73	No
200	2X/2Y ø6/24	-5514	-5947	SLV 1	7155	4203	33410	2.5	1.3	-8706	5878	SLV 9	6368	4203	32596	2.5	0.73	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
692	2X/2Y ø6/24.7	-3533	-5858	SLD 3	5926	3568	26114	2.5	1.68	-2893	-4025	SLD 9	5687	3568	25867	2.5	1.97	Si
662	2X/2Y ø6/24.7	-3533	-5977	SLD 3	5941	3568	26130	2.5	1.68	-2893	-4144	SLD 9	5703	3568	25883	2.5	1.97	Si
631	2X/2Y ø6/24.7	-3533	-6098	SLD 3	5957	3568	26146	2.5	1.69	-2893	-4265	SLD 9	5718	3568	25899	2.5	1.98	Si
601	2X/2Y ø6/24.7	-3533	-6218	SLD 3	5973	3568	26162	2.5	1.69	-2893	-4386	SLD 9	5734	3568	25915	2.5	1.98	Si
571	2X/2Y ø6/24.7	-3533	-6339	SLD 3	5988	3568	26178	2.5	1.7	-2893	-4507	SLD 9	5750	3568	25932	2.5	1.99	Si
541	2X/2Y ø6/24.7	-3533	-6460	SLD 3	6004	3568	26195	2.5	1.7	-2893	-4627	SLD 9	5766	3568	25948	2.5	1.99	Si
511	2X/2Y ø6/24.7	-3533	-6581	SLD 3	6020	3568	26211	2.5	1.7	-2893	-4748	SLD 9	5781	3568	25964	2.5	2	Si
480	2X/2Y ø6/24.7	-3533	-6702	SLD 3	6035	3568	26227	2.5	1.71	-2893	-4869	SLD 9	5797	3568	25980	2.5	2	Si
450	2X/2Y ø6/24.7	-3533	-6822	SLD 3	6051	3568	26243	2.5	1.71	-2893	-4990	SLD 9	5813	3568	25997	2.5	2.01	Si
420	2X/2Y ø6/24.7	-3533	-6941	SLD 3	6067	3568	26259	2.5	1.72	-2893	-5108	SLD 9	5828	3568	26013	2.5	2.01	Si
350	2X/2Y ø6/24	2262	-16498	SLD 15	8551	4203	34854	2.5	3.78	-3481	-6468	SLD 9	7224	4203	33481	2.5	2.08	Si
320	2X/2Y ø6/24	2262	-16647	SLD 15	8571	4203	34875	2.5	3.79	-3481	-6618	SLD 9	7244	4203	33502	2.5	2.08	Si
290	2X/2Y ø6/24	2262	-16799	SLD 15	8591	4203	34896	2.5	3.8	-3481	-6770	SLD 9	7264	4203	33523	2.5	2.09	Si
260	2X/2Y ø6/24	2262	-16951	SLD 15	8611	4203	34916	2.5	3.81	-3481	-6921	SLD 9	7284	4203	33543	2.5	2.09	Si
230	2X/2Y ø6/24	2262	-17103	SLD 15	8631	4203	34937	2.5	3.82	-3481	-7073	SLD 9	7304	4203	33564	2.5	2.1	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
692	0.621	242	0.642	0.232	0.636	SLV 3	No
662	0.623	244	0.645	0.232	0.639	SLV 3	No
631	0.625	245	0.646	0.233	0.64	SLV 3	No
601	0.627	247	0.648	0.234	0.642	SLV 3	No
571	0.629	249	0.65	0.234	0.644	SLV 3	No
541	0.631	250	0.651	0.235	0.645	SLV 3	No
511	0.633	252	0.653	0.236	0.648	SLV 3	No
480	0.634	253	0.654	0.236	0.649	SLV 3	No
450	0.636	255	0.656	0.237	0.651	SLV 3	No
420	0.638	256	0.657	0.237	0.652	SLV 3	No
350	0.709	323	0.723	0.262	0.721	SLV 9	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
320	0.709	323	0.723	0.262	0.721	SLV 9	No
260	0.709	323	0.723	0.262	0.721	SLV 9	No
230	0.709	323	0.723	0.262	0.721	SLV 9	No
200	0.709	323	0.723	0.262	0.721	SLV 9	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
692	1.77	272	1.696	0.244	1.727	SLD 3	Si
662	1.777	275	1.704	0.245	1.736	SLD 3	Si
631	1.781	277	1.709	0.245	1.739	SLD 3	Si
601	1.785	278	1.711	0.246	1.742	SLD 3	Si
571	1.793	281	1.719	0.247	1.751	SLD 3	Si
541	1.797	282	1.721	0.248	1.755	SLD 3	Si
511	1.801	283	1.724	0.248	1.758	SLD 3	Si
480	1.805	284	1.726	0.248	1.761	SLD 3	Si
450	1.813	287	1.734	0.249	1.767	SLD 3	Si
420	1.816	289	1.739	0.25	1.772	SLD 3	Si
350	2.02	363	1.909	0.276	1.956	SLD 9	Si
320	2.02	363	1.909	0.276	1.956	SLD 9	Si
290	2.02	363	1.909	0.276	1.956	SLD 9	Si
260	2.02	363	1.909	0.276	1.956	SLD 9	Si
230	2.02	363	1.909	0.276	1.956	SLD 9	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 3

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	692	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	186245	-277943	-6328	509387	-760187	SLU 30	2.735	Si
692	18.1	1.1	0	5	-101349	254269	-5149	-321878	807541	SLU 36	3.176	Si
450	18.1	2.3	0	2,3,4,5	154398	-220016	-6174	555491	-791571	SLU 30	3.598	Si
662	18.1	1.1	0	5	-70253	196495	-5304	-324247	906913	SLU 36	4.615	Si
480	18.1	2.3	0	2,3,4,5	122619	-160013	-5876	624814	-815356	SLU 29	5.096	Si
350	18.1	0.9	0	2,3,4	-141226	224730	-14037	-840765	1337893	SLU 20	5.953	Si
320	18.1	0.9	0	2,3,4	-109308	227574	-15238	-719761	1498514	SLU 29	6.585	Si
290	18.1	0.9	0	2,3,4	-86496	219576	-15599	-629152	1597145	SLU 30	7.274	Si
260	18.1	0.9	0	2,3,4	-64172	210826	-15796	-510202	1676174	SLU 30	7.951	Si
511	18.1	1.1	0	5	90037	-101957	-5719	723222	-818970	SLU 29	8.032	Si
631	18.1	1.1	0	5	-38632	137749	-5461	-312664	1114844	SLU 36	8.093	Si
-10	18.1	1.8	0	1,2,3,4	136370	132220	-17570	1141331	1106598	SLU 30	8.369	Si
230	18.1	0.9	0	2,3,4	-41848	202076	-15993	-358270	1730001	SLU 30	8.561	Si
20	18.1	1.8	0	1,2,3,4	114706	140712	-17378	1000385	1227183	SLU 30	8.721	Si
50	18.1	1.8	0	1,2,3,4	92095	149575	-17178	827444	1343886	SLU 30	8.985	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
350	18.1	0.9	0	2,3,4	-56363	-1219016	1549	-31132	-673331	SLV 1	0.552				No
420	18.1	2.3	0	2,3,4,5	1036730	-555080	-1115	591913	-316918	SLV 9	0.571				No
320	18.1	0.9	0	2,3,4	-50549	-1120920	1400	-30377	-673597	SLV 1	0.601				No
290	18.1	0.9	0	2,3,4	-44596	-1021180	1248	-29431	-673922	SLV 1	0.66				No
450	18.1	2.3	0	2,3,4,5	852548	-445919	-996	593003	-310166	SLV 9	0.696				No
260	18.1	0.9	0	2,3,4	-38580	-921464	1096	-28232	-674318	SLV 1	0.732				No
230	18.1	0.9	0	2,3,4	-32457	-821778	944	-26652	-674814	SLV 1	0.821				No
692	18.1	1.1	0	5	-642800	445914	-32	-569347	394959	SLV 9	0.886				No
480	18.1	2.3	0	2,3,4,5	665269	-335101	-875	594737	-299573	SLV 9	0.894				No
200	18.1	0.9	0	2,3,4	-26128	-721919	792	-24446	-675452	SLV 1	0.936				No
170	18.1	0.9	0	2,3,4	-19409	-622548	640	-21085	-676302	SLV 1	1.086				Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
662	18.1	1.1	0	5	-300680	523113	-4015	-371377	646110	SLV 13	1.235				Si
511	18.1	1.1	0	5	478003	-224704	-755	597848	-281042	SLV 9	1.251				Si
140	18.1	0.9	0	2,3,4	-11663	-523044	488	-15108	-677506	SLV 1	1.295				Si
110	18.1	0.9	0	2,3,4	-7273	-423664	337	-11660	-679194	SLV 1	1.603				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	538291	-353685	-3082	618362	-406296	SLD 9	1.149	Si
350	18.1	0.9	0	2,3,4	-133172	784434	-16124	-180927	1065735	SLD 15	1.359	Si
450	18.1	2.3	0	2,3,4,5	443122	-282574	-2963	628875	-401027	SLD 9	1.419	Si
320	18.1	0.9	0	2,3,4	-111256	732068	-16274	-168922	1111512	SLD 15	1.518	Si
692	18.1	1.1	0	5	-231251	407710	-3704	-374812	660818	SLD 13	1.621	Si
290	18.1	0.9	0	2,3,4	-88987	678823	-16426	-153343	1169749	SLD 15	1.723	Si
480	18.1	2.3	0	2,3,4,5	346353	-210346	-2842	646012	-392333	SLD 9	1.865	Si
260	18.1	0.9	0	2,3,4	-66746	625588	-16578	-132883	1245459	SLD 15	1.991	Si
662	18.1	1.1	0	5	-164685	308513	-3823	-371570	696082	SLD 13	2.256	Si
230	18.1	0.9	0	2,3,4	-44553	572367	-16729	-104634	1344214	SLD 15	2.349	Si
511	18.1	1.1	0	5	249589	-138304	-2721	679076	-376293	SLD 9	2.721	Si
200	18.1	0.9	0	2,3,4	-22398	519050	-16882	-63382	1468835	SLD 15	2.83	Si
170	18.1	0.9	0	2,3,4	-522	465987	-17033	-1798	1605120	SLD 15	3.445	Si
631	18.1	1.1	0	5	-97014	207773	-3944	-363431	778354	SLD 13	3.746	Si
140	18.1	0.9	0	2,3,4	20953	412846	-17185	87516	1724399	SLD 15	4.177	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.598	223	0.621	0.224	0.614	SLV 15	No
420	0.524	169	0.555	0.197	0.542	SLV 9	No
320	0.664	280	0.682	0.247	0.678	SLV 15	No
290	0.745	360	0.756	0.275	0.755	SLV 1	No
450	0.671	286	0.688	0.249	0.684	SLV 9	No
260	0.804	425	0.809	0.295	0.811	SLV 1	No
230	0.873	512	0.874	0.319	0.877	SLV 1	No
692	0.871	510	0.872	0.319	0.876	SLV 13	No
480	0.889	535	0.889	0.325	0.892	SLV 9	No
200	0.956	638	0.956	0.348	0.957	SLV 1	No
170	1.057	814	1.056	0.384	1.054	SLV 1	Si
662	1.25	1250	1.26	0.45	1.237	SLV 9	Si
511	1.254	1261	1.264	0.452	1.241	SLV 9	Si
140	1.182	1077	1.185	0.427	1.173	SLV 1	Si
110	1.342	1509	1.361	0.481	1.323	SLV 1	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	1.188	116	1.196	0.166	1.178	SLD 9	Si
350	1.352	153	1.34	0.189	1.337	SLD 15	Si
450	1.52	195	1.48	0.211	1.496	SLD 9	Si
320	1.5	190	1.464	0.208	1.476	SLD 15	Si
692	1.969	344	1.867	0.27	1.911	SLD 13	Si
290	1.684	244	1.622	0.233	1.648	SLD 1	Si
480	2.014	361	1.905	0.275	1.951	SLD 9	Si
260	1.816	289	1.739	0.25	1.772	SLD 1	Si
662	2.834	800	2.639	0.381	2.701	SLD 9	Si
230	1.973	345	1.87	0.27	1.914	SLD 1	Si
511	2.84	804	2.645	0.382	2.707	SLD 9	Si
200	2.16	422	2.03	0.294	2.086	SLD 1	Si
170	2.389	529	2.228	0.323	2.291	SLD 1	Si
631	4.637	2474	4.193	0.603	4.276	SLD 9	Si
140	2.67	692	1.887	0.36	2.551	SLD 1	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
692	2X/2Y ø6/24.7	1950	-4920	SLU 30	5804	3568	25987	2.5	2.98	-1096	-4310	SLU 19	5724	3568	25905	2.5	5.22	Si
662	2X/2Y ø6/24.7	1950	-5075	SLU 30	5824	3568	26008	2.5	2.99	-1096	-4464	SLU 19	5744	3568	25926	2.5	5.24	Si
631	2X/2Y ø6/24.7	1950	-5232	SLU 30	5844	3568	26029	2.5	3	-1096	-4621	SLU 19	5765	3568	25947	2.5	5.26	Si
601	2X/2Y ø6/24.7	1950	-5389	SLU 30	5865	3568	26050	2.5	3.01	-1096	-4778	SLU 19	5785	3568	25968	2.5	5.28	Si
571	2X/2Y ø6/24.7	1950	-5546	SLU 30	5885	3568	26072	2.5	3.02	-1096	-4935	SLU 19	5806	3568	25989	2.5	5.3	Si
541	2X/2Y ø6/24.7	1950	-5703	SLU 30	5905	3568	26093	2.5	3.03	-1096	-5092	SLU 19	5826	3568	26010	2.5	5.32	Si
511	2X/2Y ø6/24.7	1950	-5860	SLU 30	5926	3568	26114	2.5	3.04	-1096	-5249	SLU 19	5846	3568	26032	2.5	5.34	Si
480	2X/2Y ø6/24.7	1950	-6017	SLU 30	5946	3568	26135	2.5	3.05	-1096	-5406	SLU 19	5867	3568	26053	2.5	5.35	Si
450	2X/2Y ø6/24.7	1950	-6174	SLU 30	5967	3568	26156	2.5	3.06	-1096	-5563	SLU 19	5887	3568	26074	2.5	5.37	Si
420	2X/2Y ø6/24.7	1950	-6328	SLU 30	5987	3568	26177	2.5	3.07	-1096	-5718	SLU 19	5907	3568	26095	2.5	5.39	Si
350	2X/2Y ø6/24	293	-15044	SLU 29	8359	4203	34655	2.5	28.53	-762	-12611	SLU 22	8037	4203	34322	2.5	10.55	Si
320	2X/2Y ø6/24	293	-15238	SLU 29	8384	4203	34682	2.5	28.62	-762	-12805	SLU 22	8062	4203	34349	2.5	10.58	Si
290	2X/2Y ø6/24	293	-15435	SLU 29	8410	4203	34709	2.5	28.71	-762	-13002	SLU 22	8088	4203	34376	2.5	10.62	Si
260	2X/2Y ø6/24	293	-15633	SLU 29	8437	4203	34736	2.5	28.8	-762	-13200	SLU 22	8115	4203	34403	2.5	10.65	Si
230	2X/2Y ø6/24	293	-15830	SLU 29	8463	4203	34763	2.5	28.89	-762	-13397	SLU 22	8141	4203	34430	2.5	10.69	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
692	2X/2Y ø6/24.7	6979	-3985	SLV 13	5682	3568	25861	2.5	0.81	-7598	884	SLV 9	5163	3568	25325	2.5	0.68	No
662	2X/2Y ø6/24.7	6979	-4104	SLV 13	5697	3568	25877	2.5	0.82	-7598	765	SLV 9	5163	3568	25325	2.5	0.68	No
631	2X/2Y ø6/24.7	6979	-4225	SLV 13	5713	3568	25894	2.5	0.82	-7598	644	SLV 9	5163	3568	25325	2.5	0.68	No
601	2X/2Y ø6/24.7	6979	-4346	SLV 13	5729	3568	25910	2.5	0.82	-7598	523	SLV 9	5163	3568	25325	2.5	0.68	No
571	2X/2Y ø6/24.7	6979	-4467	SLV 13	5745	3568	25926	2.5	0.82	-7598	403	SLV 9	5163	3568	25325	2.5	0.68	No
541	2X/2Y ø6/24.7	6979	-4587	SLV 13	5760	3568	25943	2.5	0.83	-7598	282	SLV 9	5163	3568	25325	2.5	0.68	No
511	2X/2Y ø6/24.7	6979	-4708	SLV 13	5776	3568	25959	2.5	0.83	-7598	161	SLV 9	5163	3568	25325	2.5	0.68	No
480	2X/2Y ø6/24.7	6979	-4829	SLV 13	5792	3568	25975	2.5	0.83	-7598	40	SLV 9	5163	3568	25325	2.5	0.68	No
450	2X/2Y ø6/24.7	6979	-4950	SLV 13	5807	3568	25991	2.5	0.83	-7598	-81	SLV 9	5174	3568	25336	2.5	0.68	No
420	2X/2Y ø6/24.7	6979	-5069	SLV 13	5823	3568	26007	2.5	0.83	-7598	-199	SLV 9	5189	3568	25352	2.5	0.68	No
350	2X/2Y ø6/24	-4249	4735	SLV 1	6368	4203	32596	2.5	1.5	-1981	96	SLV 9	6368	4203	32596	2.5	3.21	Si
320	2X/2Y ø6/24	-4249	4585	SLV 1	6368	4203	32596	2.5	1.5	-1981	-53	SLV 9	6375	4203	32603	2.5	3.22	Si
260	2X/2Y ø6/24	-4249	4282	SLV 1	6368	4203	32596	2.5	1.5	-1981	-357	SLV 9	6415	4203	32645	2.5	3.24	Si
230	2X/2Y ø6/24	-4249	4130	SLV 1	6368	4203	32596	2.5	1.5	-1981	-509	SLV 9	6435	4203	32666	2.5	3.25	Si
200	2X/2Y ø6/24	-4249	3978	SLV 1	6368	4203	32596	2.5	1.5	-1981	-661	SLV 9	6455	4203	32686	2.5	3.26	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
692	2X/2Y ø6/24.7	3344	-3704	SLD 13	5645	3568	25824	2.5	1.69	-3205	-1999	SLD 9	5423	3568	25594	2.5	1.69	Si
662	2X/2Y ø6/24.7	3344	-3823	SLD 13	5661	3568	25840	2.5	1.69	-3205	-2117	SLD 9	5439	3568	25610	2.5	1.7	Si
631	2X/2Y ø6/24.7	3344	-3944	SLD 13	5677	3568	25856	2.5	1.7	-3205	-2238	SLD 9	5455	3568	25626	2.5	1.7	Si

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
601	2X/2Y ø6/24.7	3344	-4065	SLD 13	5692	3568	25872	2.5	1.7	-3205	-2359	SLD 9	5470	3568	25643	2.5	1.71	Si
571	2X/2Y ø6/24.7	3344	-4186	SLD 13	5708	3568	25888	2.5	1.71	-3205	-2480	SLD 9	5486	3568	25659	2.5	1.71	Si
541	2X/2Y ø6/24.7	3344	-4306	SLD 13	5724	3568	25905	2.5	1.71	-3205	-2601	SLD 9	5502	3568	25675	2.5	1.72	Si
511	2X/2Y ø6/24.7	3344	-4427	SLD 13	5739	3568	25921	2.5	1.72	-3205	-2721	SLD 9	5518	3568	25691	2.5	1.72	Si
480	2X/2Y ø6/24.7	3344	-4548	SLD 13	5755	3568	25937	2.5	1.72	-3205	-2842	SLD 9	5533	3568	25708	2.5	1.73	Si
450	2X/2Y ø6/24.7	3344	-4669	SLD 13	5771	3568	25954	2.5	1.73	-3205	-2963	SLD 9	5549	3568	25724	2.5	1.73	Si
420	2X/2Y ø6/24.7	3344	-4788	SLD 13	5786	3568	25969	2.5	1.73	-3205	-3082	SLD 9	5564	3568	25740	2.5	1.74	Si
350	2X/2Y ø6/24	1777	-16124	SLD 15	8502	4203	34803	2.5	4.78	-1068	-6913	SLD 9	7283	4203	33542	2.5	6.82	Si
320	2X/2Y ø6/24	1777	-16274	SLD 15	8521	4203	34824	2.5	4.8	-1068	-7063	SLD 9	7302	4203	33563	2.5	6.84	Si
290	2X/2Y ø6/24	1777	-16426	SLD 15	8541	4203	34845	2.5	4.81	-1068	-7214	SLD 9	7322	4203	33584	2.5	6.86	Si
260	2X/2Y ø6/24	1777	-16578	SLD 15	8562	4203	34865	2.5	4.82	-1068	-7366	SLD 9	7343	4203	33604	2.5	6.88	Si
230	2X/2Y ø6/24	1777	-16729	SLD 15	8582	4203	34886	2.5	4.83	-1068	-7518	SLD 9	7363	4203	33625	2.5	6.89	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
692	0.652	269	0.671	0.242	0.666	SLV 9	No
662	0.654	271	0.673	0.243	0.668	SLV 9	No
631	0.657	274	0.676	0.244	0.671	SLV 9	No
601	0.659	276	0.678	0.245	0.673	SLV 9	No
571	0.661	277	0.679	0.245	0.674	SLV 9	No
541	0.664	280	0.682	0.247	0.678	SLV 9	No
511	0.666	282	0.684	0.247	0.68	SLV 9	No
480	0.668	284	0.686	0.248	0.682	SLV 9	No
450	0.67	286	0.688	0.249	0.684	SLV 9	No
420	0.672	287	0.689	0.249	0.685	SLV 9	No
350	1.475	1942	1.509	0.526	1.446	SLV 1	Si
320	1.475	1942	1.509	0.526	1.446	SLV 1	Si
260	1.475	1942	1.509	0.526	1.446	SLV 1	Si
230	1.475	1942	1.509	0.526	1.446	SLV 1	Si
200	1.475	1942	1.509	0.526	1.446	SLV 1	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
692	1.863	305	1.777	0.256	1.813	SLD 9	Si
662	1.867	307	1.782	0.257	1.819	SLD 9	Si
631	1.875	309	1.787	0.258	1.825	SLD 9	Si
601	1.879	310	1.789	0.258	1.828	SLD 9	Si
571	1.887	314	1.799	0.259	1.836	SLD 9	Si
541	1.895	316	1.803	0.26	1.842	SLD 9	Si
511	1.898	318	1.808	0.261	1.848	SLD 9	Si
480	1.906	320	1.813	0.262	1.853	SLD 9	Si
450	1.91	322	1.817	0.262	1.856	SLD 9	Si
420	1.918	325	1.824	0.263	1.864	SLD 9	Si
350	4.199	2246	4.03	0.554	3.926	SLD 1	Si
320	4.199	2246	4.03	0.554	3.926	SLD 1	Si
290	4.199	2246	4.03	0.554	3.926	SLD 1	Si
260	4.199	2246	4.03	0.554	3.926	SLD 1	Si
230	4.199	2246	4.03	0.554	3.926	SLD 1	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 4

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-23	-22		FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-23	-22		FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-23	-22		FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-23	-22		FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-22	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-22	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-22	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-22	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-22	18.1	1.8	0	1,2,3,4	-370008	260295	-19200	-1219136	857643	SLU 30	3.295	Si
-17	18.1	1.8	0	1,2,3,4	-363875	258411	-19164	-1218226	865139	SLU 30	3.348	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
14	18.1	1.8	0	1,2,3,4	-330326	248103	-18966	-1210263	909010	SLU 30	3.664	Si
44	18.1	0.9	0	2,3,4	-296220	237623	-18765	-1193242	957203	SLU 30	4.028	Si
75	18.1	0.9	0	2,3,4	-261726	227025	-18561	-1171978	1016591	SLU 30	4.478	Si
105	18.1	0.9	0	2,3,4	-228007	216665	-18362	-1142161	1085347	SLU 30	5.009	Si
136	18.1	0.9	0	2,3,4	-193900	206186	-18161	-1092908	1162155	SLU 30	5.636	Si
167	18.1	0.9	0	2,3,4	-159794	195707	-17960	-1022931	1252830	SLU 30	6.402	Si
197	18.1	0.9	0	2,3,4	-129028	182311	-17539	-942480	1331681	SLU 36	7.304	Si
420	18.1	2.3	0	2,3,4,5	-170369	-24362	-7639	-1278248	-182783	SLU 29	7.503	Si
228	18.1	0.9	0	2,3,4	-91569	174744	-17557	-759492	1449369	SLU 30	8.294	Si
770	18.1	1.1	0	5	112455	63596	-5980	1003887	567726	SLU 30	8.927	Si
258	18.1	0.9	0	2,3,4	-57474	164269	-17356	-525385	1501615	SLU 30	9.141	Si
449	18.1	2.3	0	2,3,4,5	-147350	-17020	-7490	-1358221	-156886	SLU 29	9.218	Si
289	18.1	0.9	0	2,3,4	-23368	153790	-17155	-229409	1509796	SLU 30	9.817	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
350	18.1	0.9	0	2,3,4	-984706	44227	490	-682359	30647	SLV 5	0.693				No
420	18.1	2.3	0	2,3,4,5	-924884	-144311	-9346	-694815	-108413	SLV 11	0.751				No
319	18.1	0.9	0	2,3,4	-904411	57942	338	-683603	43796	SLV 5	0.756				No
289	18.1	0.9	0	2,3,4	-822889	74339	183	-685086	61890	SLV 5	0.833				No
449	18.1	2.3	0	2,3,4,5	-790580	-121308	-9232	-714503	-109634	SLV 11	0.904				No
258	18.1	0.9	0	2,3,4	-741491	-5570	28	-688287	-5170	SLV 5	0.928				No
770	18.1	1.1	0	5	710326	132246	-7950	707782	131772	SLV 11	0.996				No
228	18.1	0.9	0	2,3,4	-660266	-78274	-127	-689706	-81764	SLV 5	1.045				Si
478	18.1	2.3	0	2,3,4,5	-653936	-97845	-9115	-744903	-111455	SLV 11	1.139				Si
197	18.1	0.9	0	2,3,4	-579164	-59489	-282	-693469	-71230	SLV 5	1.197				Si
741	18.1	1.1	0	5	-438574	195131	1071	-564051	250959	SLV 9	1.286				Si
167	18.1	0.9	0	2,3,4	-498313	-43553	-436	-698445	-61044	SLV 5	1.402				Si
508	18.1	1.1	0	5	-517297	-74278	-8998	-796164	-114320	SLV 11	1.539				Si
712	18.1	1.1	0	5	-337712	127331	954	-562393	212046	SLV 9	1.665				Si
136	18.1	0.9	0	2,3,4	-417793	-30008	-591	-705382	-50665	SLV 5	1.688				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-469768	-74917	-7285	-767421	-122385	SLD 11	1.634	Si
449	18.1	2.3	0	2,3,4,5	-402097	-61658	-7170	-802810	-123103	SLD 11	1.997	Si
350	18.1	0.9	0	2,3,4	-396658	222195	-5231	-852490	477538	SLD 9	2.149	Si
770	18.1	1.1	0	5	354142	84958	-5889	783360	187926	SLD 11	2.212	Si
319	18.1	0.9	0	2,3,4	-375036	219145	-5383	-864527	505169	SLD 9	2.305	Si
289	18.1	0.9	0	2,3,4	-353017	217131	-5538	-877869	539953	SLD 9	1.887	Si
478	18.1	2.3	0	2,3,4,5	-333247	-48142	-7054	-858225	-123981	SLD 11	2.575	Si
258	18.1	0.9	0	2,3,4	-330956	172505	-5693	-923987	481611	SLD 9	2.792	Si
741	18.1	1.1	0	5	286473	71658	-6004	845761	211556	SLD 11	2.952	Si
-22	18.1	1.8	0	1,2,3,4	-403224	273493	-20255	-1230365	834514	SLD 7	3.051	Si
-17	18.1	1.8	0	1,2,3,4	-390736	269892	-20227	-1229258	849083	SLD 7	3.146	Si
228	18.1	0.9	0	2,3,4	-308859	131072	-5847	-978718	415344	SLD 9	3.169	Si
197	18.1	0.9	0	2,3,4	-286703	130120	-6002	-1009160	458008	SLD 9	3.52	Si
508	18.1	1.1	0	5	-264400	-34580	-6937	-954070	-124779	SLD 11	3.608	Si
14	18.1	1.8	0	1,2,3,4	-322580	249819	-20075	-1210961	937818	SLD 7	3.754	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.75	365	0.76	0.276	0.76	SLV 5	No
420	0.743	358	0.754	0.274	0.753	SLV 11	No
319	0.801	421	0.806	0.294	0.808	SLV 5	No
289	0.863	499	0.864	0.316	0.868	SLV 5	No
449	0.902	555	0.903	0.33	0.906	SLV 11	No
258	0.941	615	0.942	0.343	0.943	SLV 5	No
770	0.996	705	0.996	0.362	0.996	SLV 11	No
228	1.037	778	1.037	0.377	1.036	SLV 5	Si
478	1.139	977	1.139	0.412	1.133	SLV 11	Si
197	1.162	1031	1.164	0.42	1.155	SLV 5	Si
741	1.227	1189	1.234	0.442	1.215	SLV 9	Si
167	1.33	1474	1.348	0.477	1.312	SLV 5	Si
508	1.42	1756	1.448	0.508	1.396	SLV 9	Si
712	1.51	2069	1.549	0.538	1.479	SLV 9	Si
136	1.568	2291	1.615	0.558	1.533	SLV 5	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	1.68	243	1.619	0.232	1.644	SLD 11	Si
449	2.04	372	1.928	0.279	1.977	SLD 11	Si
350	1.695	248	1.633	0.234	1.661	SLD 5	Si
770	2.254	462	2.107	0.306	2.17	SLD 11	Si
319	1.809	286	1.731	0.249	1.764	SLD 5	Si
289	1.949	336	1.849	0.267	1.892	SLD 5	Si
478	2.576	635	1.801	0.348	1.865	SLD 11	Si
258	2.128	407	2.001	0.29	2.055	SLD 5	Si
741	2.772	759	2.583	0.373	2.645	SLD 9	Si
-22	4.609	2474	4.193	0.603	4.276	SLD 9	Si
-17	4.732	2474	4.193	0.603	4.276	SLD 9	Si
228	2.342	505	2.186	0.318	2.25	SLD 5	Si
197	2.626	665	1.847	0.354	2.51	SLD 5	Si
508	3.209	1097	3.004	0.43	3.046	SLD 9	Si
14	5.56	2474	4.193	0.603	4.276	SLD 9	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	282	-5296	SLU 20	5853	3526	26038	2.5	20.72	815	-5980	SLU 30	5942	3526	26130	2.5	7.29	Si
741	2X/2Y ø6/25	282	-5445	SLU 20	5872	3526	26058	2.5	20.79	815	-6130	SLU 30	5961	3526	26150	2.5	7.31	Si
712	2X/2Y ø6/25	282	-5597	SLU 20	5892	3526	26078	2.5	20.86	815	-6281	SLU 30	5981	3526	26171	2.5	7.34	Si
683	2X/2Y ø6/25	282	-5748	SLU 20	5911	3526	26099	2.5	20.93	815	-6433	SLU 30	6000	3526	26191	2.5	7.36	Si
653	2X/2Y ø6/25	282	-5900	SLU 20	5931	3526	26119	2.5	21	815	-6585	SLU 30	6020	3526	26211	2.5	7.38	Si
624	2X/2Y ø6/25	282	-6052	SLU 20	5951	3526	26140	2.5	21.07	815	-6736	SLU 30	6040	3526	26232	2.5	7.41	Si
595	2X/2Y ø6/25	282	-6203	SLU 20	5971	3526	26160	2.5	21.14	815	-6888	SLU 30	6060	3526	26252	2.5	7.43	Si
566	2X/2Y ø6/25	282	-6355	SLU 20	5990	3526	26180	2.5	21.21	815	-7040	SLU 30	6079	3526	26273	2.5	7.46	Si
537	2X/2Y ø6/25	282	-6507	SLU 20	6010	3526	26201	2.5	21.28	815	-7191	SLU 30	6099	3526	26293	2.5	7.48	Si
508	2X/2Y ø6/25	282	-6658	SLU 20	6030	3526	26221	2.5	21.35	815	-7343	SLU 30	6119	3526	26313	2.5	7.51	Si
478	2X/2Y ø6/25	282	-6810	SLU 20	6050	3526	26242	2.5	21.42	815	-7495	SLU 30	6139	3526	26334	2.5	7.53	Si
449	2X/2Y ø6/25	282	-6962	SLU 20	6069	3526	26262	2.5	21.49	815	-7646	SLU 30	6158	3526	26354	2.5	7.55	Si
420	2X/2Y ø6/25	282	-7111	SLU 20	6089	3526	26282	2.5	21.56	815	-7795	SLU 30	6178	3526	26374	2.5	7.58	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24.8	-342	-16536	SLU 36	8556	4067	34860	2.5	25	1115	-16755	SLU 30	8585	4067	34890	2.5	7.7	Si
319	2X/2Y ø6/24.8	-342	-16734	SLU 36	8582	4067	34887	2.5	25.07	1115	-16953	SLU 30	8611	4067	34917	2.5	7.72	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	4260	1133	SLV 13	5163	3526	25325	2.5	1.21	-4733	404	SLV 5	5163	3526	25325	2.5	1.09	Si
741	2X/2Y ø6/25	4260	1018	SLV 13	5163	3526	25325	2.5	1.21	-4733	289	SLV 5	5163	3526	25325	2.5	1.09	Si
712	2X/2Y ø6/25	4260	901	SLV 13	5163	3526	25325	2.5	1.21	-4733	173	SLV 5	5163	3526	25325	2.5	1.09	Si
683	2X/2Y ø6/25	4260	785	SLV 13	5163	3526	25325	2.5	1.21	-4733	56	SLV 5	5163	3526	25325	2.5	1.09	Si
653	2X/2Y ø6/25	4260	668	SLV 13	5163	3526	25325	2.5	1.21	-4733	-61	SLV 5	5171	3526	25333	2.5	1.09	Si
624	2X/2Y ø6/25	4260	551	SLV 13	5163	3526	25325	2.5	1.21	-4733	-177	SLV 5	5186	3526	25349	2.5	1.1	Si
595	2X/2Y ø6/25	4260	435	SLV 13	5163	3526	25325	2.5	1.21	-4733	-294	SLV 5	5202	3526	25365	2.5	1.1	Si
566	2X/2Y ø6/25	4260	318	SLV 13	5163	3526	25325	2.5	1.21	-4733	-411	SLV 5	5217	3526	25380	2.5	1.1	Si
537	2X/2Y ø6/25	4260	201	SLV 13	5163	3526	25325	2.5	1.21	-4733	-527	SLV 5	5232	3526	25396	2.5	1.11	Si
508	2X/2Y ø6/25	4260	85	SLV 13	5163	3526	25325	2.5	1.21	-4733	-644	SLV 5	5247	3526	25412	2.5	1.11	Si
478	2X/2Y ø6/25	4260	-32	SLV 13	5168	3526	25329	2.5	1.21	-4733	-761	SLV 5	5262	3526	25427	2.5	1.11	Si
449	2X/2Y ø6/25	4260	-149	SLV 13	5183	3526	25345	2.5	1.22	-4733	-877	SLV 5	5278	3526	25443	2.5	1.11	Si
420	2X/2Y ø6/25	4260	-263	SLV 13	5198	3526	25360	2.5	1.22	-4733	-992	SLV 5	5292	3526	25459	2.5	1.12	Si
350	2X/2Y ø6/24.8	2048	-1299	SLV 13	6540	4067	32774	2.5	3.19	-3599	6910	SLV 9	6368	4067	32596	2.5	1.77	Si
289	2X/2Y ø6/24.8	2048	-1606	SLV 13	6580	4067	32816	2.5	3.21	-3599	6603	SLV 9	6368	4067	32596	2.5	1.77	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	1620	-2364	SLD 13	5471	3526	25643	2.5	3.38	2361	-5889	SLD 11	5930	3526	26118	2.5	2.51	Si
741	2X/2Y ø6/25	1620	-2479	SLD 13	5486	3526	25659	2.5	3.39	2361	-6004	SLD 11	5945	3526	26133	2.5	2.52	Si
712	2X/2Y ø6/25	1620	-2595	SLD 13	5501	3526	25674	2.5	3.4	2361	-6120	SLD 11	5960	3526	26149	2.5	2.52	Si
683	2X/2Y ø6/25	1620	-2712	SLD 13	5516	3526	25690	2.5	3.4	2361	-6237	SLD 11	5975	3526	26165	2.5	2.53	Si
653	2X/2Y ø6/25	1620	-2829	SLD 13	5531	3526	25706	2.5	3.41	2361	-6354	SLD 11	5990	3526	26180	2.5	2.54	Si
624	2X/2Y ø6/25	1620	-2945	SLD 13	5547	3526	25721	2.5	3.42	2361	-6470	SLD 11	6005	3526	26196	2.5	2.54	Si
595	2X/2Y ø6/25	1620	-3062	SLD 13	5562	3526	25737	2.5	3.43	2361	-6587	SLD 11	6021	3526	26212	2.5	2.55	Si
566	2X/2Y ø6/25	1620	-3179	SLD 13	5577	3526	25753	2.5	3.44	2361	-6704	SLD 11	6036	3526	26227	2.5	2.56	Si
537	2X/2Y ø6/25	1620	-3295	SLD 13	5592	3526	25769	2.5	3.45	2361	-6820	SLD 11	6051	3526	26243	2.5	2.56	Si
508	2X/2Y ø6/25	1620	-3412	SLD 13	5607	3526	25784	2.5	3.46	2361	-6937	SLD 11	6066	3526	26259	2.5	2.57	Si
478	2X/2Y ø6/25	1620	-3529	SLD 13	5623	3526	25800	2.5	3.47	2361	-7054	SLD 11	6081	3526	26275	2.5	2.58	Si
449	2X/2Y ø6/25	1620	-3645	SLD 13	5638	3526	25816	2.5	3.48	2361	-7170	SLD 11	6096	3526	26290	2.5	2.58	Si
420	2X/2Y ø6/25	1620	-3760	SLD 13	5653	3526	25831	2.5	3.49	2361	-7285	SLD 11	6111	3526	26306	2.5	2.59	Si
350	2X/2Y ø6/24.8	-1039	-15491	SLD 3	8418	4067	34717	2.5	8.1	2300	-18375	SLD 7	8799	4067	35111	2.5	3.83	Si
319	2X/2Y ø6/24.8	-1039	-15643	SLD 3	8438	4067	34737	2.5	8.12	2300	-18527	SLD 7	8820	4067	35132	2.5	3.83	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	1.082	862	1.082	0.392	1.079	SLV 5	Si
741	1.082	862	1.082	0.392	1.079	SLV 5	Si
712	1.082	862	1.082	0.392	1.079	SLV 5	Si
683	1.082	862	1.082	0.392	1.079	SLV 5	Si
653	1.082	862	1.082	0.392	1.079	SLV 5	Si
624	1.082	862	1.082	0.392	1.079	SLV 5	Si
595	1.082	862	1.082	0.392	1.079	SLV 5	Si
566	1.082	862	1.082	0.392	1.079	SLV 5	Si
537	1.086	870	1.086	0.394	1.083	SLV 5	Si
508	1.088	874	1.088	0.395	1.084	SLV 5	Si
478	1.09	878	1.09	0.395	1.086	SLV 5	Si
449	1.094	885	1.093	0.397	1.09	SLV 5	Si
420	1.096	889	1.095	0.397	1.092	SLV 5	Si
350	1.633	2474	1.666	0.573	1.575	SLV 9	Si
289	1.633	2474	1.666	0.573	1.575	SLV 9	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	3.08	982	2.871	0.413	2.928	SLD 5	Si
741	3.08	982	2.871	0.413	2.928	SLD 5	Si
712	3.08	982	2.871	0.413	2.928	SLD 5	Si
683	3.08	982	2.871	0.413	2.928	SLD 5	Si
653	3.08	982	2.871	0.413	2.928	SLD 5	Si
624	3.08	982	2.871	0.413	2.928	SLD 5	Si
595	3.08	982	2.871	0.413	2.928	SLD 5	Si
566	3.086	987	2.877	0.414	2.933	SLD 5	Si
537	3.092	992	2.883	0.415	2.938	SLD 5	Si
508	3.098	997	2.889	0.415	2.944	SLD 5	Si
478	3.106	1004	2.897	0.417	2.952	SLD 5	Si
449	3.115	1012	2.906	0.418	2.959	SLD 5	Si
420	3.121	1017	2.912	0.418	2.965	SLD 5	Si
350	4.65	2474	4.193	0.603	4.276	SLD 9	Si
319	4.65	2474	4.193	0.603	4.276	SLD 9	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 4a

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-23	-22		FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-23	-22		FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-23	-22		FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-23	-22		FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-22	350	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-22	350	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-22	350	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-22	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-22	18.1	1.8	0	1,2	-285565	-672613	-14352	-435207	-1025075	SLU 30	1.524	Si
-17	18.1	1.8	0	1,2	-282440	-665140	-14316	-436758	-1028555	SLU 30	1.546	Si
14	18.1	1.8	0	1,2	-265347	-624268	-14118	-446112	-1049546	SLU 30	1.681	Si
44	18.1	0.9	0	2	-247969	-582716	-13916	-456919	-1073740	SLU 30	1.843	Si
75	18.1	0.9	0	2	-230395	-540694	-13713	-469699	-1102296	SLU 30	2.039	Si
105	18.1	0.9	0	2	-213214	-499613	-13514	-484643	-1135639	SLU 30	2.273	Si
136	18.1	0.9	0	2	-195837	-458062	-13312	-502274	-1174819	SLU 30	2.565	Si
167	18.1	0.9	0	2	-178459	-416510	-13111	-522514	-1219510	SLU 30	2.928	Si
197	18.1	0.9	0	2	-161082	-374959	-12910	-547482	-1274405	SLU 30	3.399	Si
228	18.1	0.9	0	2	-143698	-333392	-12709	-575726	-1335737	SLU 30	4.007	Si
258	18.1	0.9	0	2	-126326	-291855	-12507	-606850	-1402021	SLU 30	4.804	Si
289	18.1	0.9	0	2	-109636	-248491	-11800	-637836	-1445657	SLU 36	5.818	Si
319	18.1	0.9	0	2	-93284	-209084	-11599	-663947	-1488159	SLU 36	7.118	Si
350	18.1	0.9	0	2	-77198	-170322	-11401	-691977	-1526700	SLU 36	8.964	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
350	18.1	0.9	0	2	-66283	-1105847	-12278	-51155	-853454	SLV 3	0.772				No
319	18.1	0.9	0	2	-83682	-1062724	-12430	-68042	-864099	SLV 3	0.813				No
289	18.1	0.9	0	2	-101382	-1019804	-12585	-87079	-875927	SLV 3	0.859				No
258	18.1	0.9	0	2	-119098	-978041	-12740	-108235	-888835	SLV 3	0.909				No
228	18.1	0.9	0	2	-136828	-937650	-12895	-131756	-902889	SLV 3	0.963				No
197	18.1	0.9	0	2	-154598	-898760	-13050	-157939	-918182	SLV 3	1.022				Si
167	18.1	0.9	0	2	-172398	-861312	-13204	-187116	-934844	SLV 3	1.085				Si
136	18.1	0.9	0	2	-190248	-825132	-13359	-219652	-952660	SLV 3	1.155				Si
105	18.1	0.9	0	2	-208167	-790009	-13514	-255445	-969431	SLV 3	1.227				Si
75	18.1	0.9	0	2	-225971	-756125	-13667	-294762	-986307	SLV 3	1.304				Si
-22	18.1	1.8	0	1,2	-357121	-756898	-16236	-478564	-1014291	SLV 7	1.34				Si
-17	18.1	1.8	0	1,2	-341944	-751297	-16208	-464657	-1020914	SLV 7	1.359				Si
44	18.1	0.9	0	2	-245718	-722204	-13824	-340957	-1002128	SLV 3	1.388				Si
14	18.1	1.8	0	1,2	-263567	-689334	-13979	-388185	-1015262	SLV 3	1.473				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-22	18.1	1.8	0	1,2	-271548	-602099	-12884	-459561	-1018979	SLD 7	1.692	Si
-17	18.1	1.8	0	1,2	-263641	-596629	-12857	-452598	-1024243	SLD 7	1.717	Si
350	18.1	0.9	0	2	-274033	-507905	-8675	-494961	-917385	SLD 1	1.806	Si
319	18.1	0.9	0	2	-268077	-509105	-8827	-486988	-924840	SLD 1	1.817	Si
289	18.1	0.9	0	2	-262027	-509922	-8982	-479211	-932574	SLD 1	1.829	Si
258	18.1	0.9	0	2	-255986	-510231	-9137	-471952	-940696	SLD 1	1.844	Si
228	18.1	0.9	0	2	-249956	-509946	-9291	-465211	-949098	SLD 1	1.861	Si
14	18.1	1.8	0	1,2	-220654	-566968	-12704	-411234	-1056660	SLD 7	1.864	Si
44	18.1	0.9	0	2	-207931	-550758	-11630	-390305	-1033821	SLD 3	1.877	Si
197	18.1	0.9	0	2	-243935	-508994	-9446	-459054	-957861	SLD 1	1.882	Si
75	18.1	0.9	0	2	-192501	-548946	-11474	-363451	-1036438	SLD 3	1.888	Si
105	18.1	0.9	0	2	-178079	-547494	-11320	-337720	-1038297	SLD 3	1.896	Si
136	18.1	0.9	0	2	-163532	-546401	-11166	-311134	-1039574	SLD 3	1.903	Si
167	18.1	0.9	0	2	-149016	-545776	-11011	-283695	-1039044	SLD 3	1.904	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.779	397	0.787	0.287	0.788	SLV 3	No
319	0.813	435	0.817	0.298	0.819	SLV 3	No
289	0.854	485	0.854	0.312	0.858	SLV 3	No
258	0.902	555	0.903	0.33	0.906	SLV 3	No
228	0.959	643	0.959	0.349	0.96	SLV 3	No
197	1.025	756	1.025	0.373	1.024	SLV 3	Si
167	1.109	916	1.109	0.402	1.105	SLV 3	Si
136	1.215	1159	1.221	0.438	1.204	SLV 3	Si
105	1.352	1538	1.371	0.485	1.332	SLV 3	Si
75	1.535	2163	1.577	0.547	1.502	SLV 3	Si
-22	1.902	2474	1.666	0.573	1.575	SLV 7	Si
-17	1.961	2474	1.666	0.573	1.575	SLV 7	Si
44	1.813	2474	1.666	0.573	1.575	SLV 3	Si
14	2.248	2474	1.666	0.573	1.575	SLV 3	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-22	4.295	2386	4.131	0.566	4.011	SLD 7	Si
-17	4.432	2474	4.193	0.583	4.131	SLD 7	Si
350	1.758	269	1.688	0.242	1.718	SLD 3	Si
319	1.836	296	1.756	0.253	1.79	SLD 3	Si
289	1.93	330	1.836	0.265	1.876	SLD 3	Si
258	2.037	371	1.926	0.279	1.974	SLD 3	Si
228	2.166	424	2.034	0.295	2.091	SLD 3	Si
14	5.074	2474	4.193	0.603	4.276	SLD 3	Si
44	4.104	2112	3.93	0.542	3.842	SLD 3	Si
197	2.318	493	2.164	0.314	2.228	SLD 3	Si
75	3.473	1353	3.274	0.463	3.282	SLD 3	Si
105	3.057	963	2.848	0.41	2.906	SLD 3	Si
136	2.746	741	2.558	0.37	2.621	SLD 3	Si
167	2.506	594	2.336	0.339	1.8	SLD 3	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24.8	1365	-11898	SLU 29	7942	4067	34225	2.5	5.82	568	-11898	SLU 29	7942	4067	34225	2.5	13.98	Si
319	2X/2Y ø6/24.8	1365	-12096	SLU 29	7968	4067	34252	2.5	5.84	568	-12096	SLU 29	7968	4067	34252	2.5	14.02	Si
289	2X/2Y ø6/24.8	1365	-12297	SLU 29	7995	4067	34279	2.5	5.86	568	-12297	SLU 29	7995	4067	34279	2.5	14.07	Si
258	2X/2Y ø6/24.8	1365	-12498	SLU 29	8022	4067	34307	2.5	5.88	568	-12498	SLU 29	8022	4067	34307	2.5	14.12	Si
228	2X/2Y ø6/24.8	1365	-12700	SLU 29	8048	4067	34334	2.5	5.9	568	-12700	SLU 29	8048	4067	34334	2.5	14.16	Si
197	2X/2Y ø6/24.8	1365	-12901	SLU 29	8075	4067	34362	2.5	5.92	568	-12901	SLU 29	8075	4067	34362	2.5	14.21	Si
167	2X/2Y ø6/24.8	1365	-13102	SLU 29	8102	4067	34390	2.5	5.94	568	-13102	SLU 29	8102	4067	34390	2.5	14.26	Si
136	2X/2Y ø6/24.8	1365	-13303	SLU 29	8128	4067	34417	2.5	5.96	568	-13303	SLU 29	8128	4067	34417	2.5	14.3	Si
105	2X/2Y ø6/24.8	1365	-13505	SLU 29	8155	4067	34445	2.5	5.98	568	-13505	SLU 29	8155	4067	34445	2.5	14.35	Si
75	2X/2Y ø6/24.8	1365	-13704	SLU 29	8181	4067	34472	2.5	5.99	568	-13704	SLU 29	8181	4067	34472	2.5	14.4	Si
44	2X/2Y ø6/24.8	1365	-13907	SLU 29	8208	4067	34500	2.5	6.01	568	-13907	SLU 29	8208	4067	34500	2.5	14.45	Si
14	2X/2Y ø6/24.8	1365	-14109	SLU 29	8235	4067	34527	2.5	6.03	568	-14109	SLU 29	8235	4067	34527	2.5	14.49	Si
-17	2X/2Y ø6/24.8	1365	-14307	SLU 29	8261	4067	34554	2.5	6.05	568	-14307	SLU 29	8261	4067	34554	2.5	14.54	Si
-22	2X/2Y ø6/24.8	1365	-14343	SLU 29	8266	4067	34559	2.5	6.06	568	-14343	SLU 29	8266	4067	34559	2.5	14.55	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24.8	4149	-7399	SLV 15	7347	4067	33609	2.5	1.77	3785	-14148	SLV 11	8240	4067	34533	2.5	2.18	Si
319	2X/2Y ø6/24.8	4149	-7551	SLV 15	7367	4067	33630	2.5	1.78	3785	-14300	SLV 11	8260	4067	34554	2.5	2.18	Si
289	2X/2Y ø6/24.8	4149	-7706	SLV 15	7388	4067	33651	2.5	1.78	3785	-14455	SLV 11	8281	4067	34575	2.5	2.19	Si
258	2X/2Y ø6/24.8	4149	-7861	SLV 15	7408	4067	33672	2.5	1.79	3785	-14610	SLV 11	8301	4067	34596	2.5	2.19	Si
228	2X/2Y ø6/24.8	4149	-8016	SLV 15	7429	4067	33693	2.5	1.79	3785	-14765	SLV 11	8322	4067	34617	2.5	2.2	Si
197	2X/2Y ø6/24.8	4149	-8171	SLV 15	7449	4067	33714	2.5	1.8	3785	-14919	SLV 11	8342	4067	34638	2.5	2.2	Si
167	2X/2Y ø6/24.8	4149	-8326	SLV 15	7470	4067	33736	2.5	1.8	3785	-15074	SLV 11	8363	4067	34660	2.5	2.21	Si
136	2X/2Y ø6/24.8	4149	-8480	SLV 15	7490	4067	33757	2.5	1.81	3785	-15229	SLV 11	8383	4067	34681	2.5	2.21	Si
105	2X/2Y ø6/24.8	4149	-8635	SLV 15	7511	4067	33778	2.5	1.81	3785	-15384	SLV 11	8404	4067	34702	2.5	2.22	Si
75	2X/2Y ø6/24.8	4149	-8788	SLV 15	7531	4067	33799	2.5	1.81	3785	-15537	SLV 11	8424	4067	34723	2.5	2.23	Si
44	2X/2Y ø6/24.8	4149	-8945	SLV 15	7551	4067	33820	2.5	1.82	3785	-15694	SLV 11	8445	4067	34744	2.5	2.23	Si
14	2X/2Y ø6/24.8	4149	-9100	SLV 15	7572	4067	33842	2.5	1.82	3785	-15848	SLV 11	8465	4067	34766	2.5	2.24	Si
-17	2X/2Y ø6/24.8	4149	-9252	SLV 15	7592	4067	33862	2.5	1.83	3785	-16001	SLV 11	8485	4067	34786	2.5	2.24	Si
-22	2X/2Y ø6/24.8	4149	-9280	SLV 15	7596	4067	33866	2.5	1.83	3785	-16029	SLV 11	8489	4067	34790	2.5	2.24	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24.8	2090	-8012	SLD 15	7428	4067	33693	2.5	3.55	1581	-10382	SLD 11	7742	4067	34017	2.5	4.9	Si
319	2X/2Y ø6/24.8	2090	-8164	SLD 15	7448	4067	33714	2.5	3.56	1581	-10534	SLD 11	7762	4067	34038	2.5	4.91	Si
289	2X/2Y ø6/24.8	2090	-8319	SLD 15	7469	4067	33735	2.5	3.57	1581	-10689	SLD 11	7782	4067	34059	2.5	4.92	Si
258	2X/2Y ø6/24.8	2090	-8474	SLD 15	7489	4067	33756	2.5	3.58	1581	-10844	SLD 11	7803	4067	34080	2.5	4.94	Si
228	2X/2Y ø6/24.8	2090	-8628	SLD 15	7510	4067	33777	2.5	3.59	1581	-10999	SLD 11	7823	4067	34102	2.5	4.95	Si
197	2X/2Y ø6/24.8	2090	-8783	SLD 15	7530	4067	33798	2.5	3.6	1581	-11153	SLD 11	7844	4067	34123	2.5	4.96	Si
167	2X/2Y ø6/24.8	2090	-8938	SLD 15	7551	4067	33820	2.5	3.61	1581	-11308	SLD 11	7864	4067	34144	2.5	4.97	Si
136	2X/2Y ø6/24.8	2090	-9093	SLD 15	7571	4067	33841	2.5	3.62	1581	-11463	SLD 11	7885	4067	34165	2.5	4.99	Si
105	2X/2Y ø6/24.8	2090	-9248	SLD 15	7592	4067	33862	2.5	3.63	1581	-11618	SLD 11	7905	4067	34186	2.5	5	Si
75	2X/2Y ø6/24.8	2090	-9401	SLD 15	7612	4067	33883	2.5	3.64	1581	-11771	SLD 11	7925	4067	34207	2.5	5.01	Si
44	2X/2Y ø6/24.8	2090	-9557	SLD 15	7633	4067	33904	2.5	3.65	1581	-11928	SLD 11	7946	4067	34229	2.5	5.03	Si
14	2X/2Y ø6/24.8	2090	-9712	SLD 15	7653	4067	33926	2.5	3.66	1581	-12082	SLD 11	7967	4067	34250	2.5	5.04	Si
-17	2X/2Y ø6/24.8	2090	-9865	SLD 15	7673	4067	33946	2.5	3.67	1581	-12235	SLD 11	7987	4067	34271	2.5	5.05	Si
-22	2X/2Y ø6/24.8	2090	-9892	SLD 15	7677	4067	33950	2.5	3.67	1581	-12263	SLD 11	7991	4067	34275	2.5	5.05	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.969	2474	1.666	0.573	1.575	SLV 15	Si
319	1.977	2474	1.666	0.573	1.575	SLV 15	Si
289	1.98	2474	1.666	0.573	1.575	SLV 15	Si
258	1.988	2474	1.666	0.573	1.575	SLV 5	Si
228	1.988	2474	1.666	0.573	1.575	SLV 5	Si
197	1.988	2474	1.666	0.573	1.575	SLV 5	Si
167	1.988	2474	1.666	0.573	1.575	SLV 5	Si
136	1.988	2474	1.666	0.573	1.575	SLV 5	Si
105	1.988	2474	1.666	0.573	1.575	SLV 5	Si
75	1.988	2474	1.666	0.573	1.575	SLV 5	Si
44	1.988	2474	1.666	0.573	1.575	SLV 5	Si
14	1.988	2474	1.666	0.573	1.575	SLV 5	Si
-17	1.988	2474	1.666	0.573	1.575	SLV 5	Si
-22	1.988	2474	1.666	0.573	1.575	SLV 5	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	5.607	2474	4.193	0.603	4.276	SLD 15	Si
319	5.621	2474	4.193	0.603	4.276	SLD 15	Si
289	5.648	2474	4.193	0.603	4.276	SLD 15	Si
258	5.662	2474	4.193	0.603	4.276	SLD 5	Si
228	5.662	2474	4.193	0.603	4.276	SLD 5	Si
197	5.662	2474	4.193	0.603	4.276	SLD 5	Si
167	5.662	2474	4.193	0.603	4.276	SLD 5	Si
136	5.662	2474	4.193	0.603	4.276	SLD 5	Si
105	5.662	2474	4.193	0.603	4.276	SLD 5	Si
75	5.662	2474	4.193	0.603	4.276	SLD 5	Si
44	5.662	2474	4.193	0.603	4.276	SLD 5	Si
14	5.662	2474	4.193	0.603	4.276	SLD 5	Si
-17	5.662	2474	4.193	0.603	4.276	SLD 5	Si
-22	5.662	2474	4.193	0.603	4.276	SLD 5	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 5

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	861180	709240	-38044	1085558	894031	SLU 30	1.261	Si
20	18.1	1.8	0	1,2,3,4	791777	654226	-37853	1101226	909917	SLU 30	1.391	Si
50	18.1	1.8	0	1,2,3,4	719336	596804	-37653	1121466	930435	SLU 30	1.559	Si
80	18.1	0.9	0	2,3,4	647817	540114	-37455	1146922	956238	SLU 30	1.77	Si
110	18.1	0.9	0	2,3,4	576299	483423	-37258	1169983	981429	SLU 30	2.03	Si
420	18.1	2.3	0	2,3,4,5	-434223	-188404	-15409	-977035	-423924	SLU 30	2.25	Si
140	18.1	0.9	0	2,3,4	504781	426733	-37060	1198422	1013124	SLU 30	2.374	Si
449	18.1	2.3	0	2,3,4,5	-374418	-162590	-15260	-1029508	-447061	SLU 30	2.75	Si
170	18.1	0.9	0	2,3,4	433263	370042	-36863	1217039	1039451	SLU 30	2.809	Si
200	18.1	0.9	0	2,3,4	361898	313473	-36666	1221290	1057872	SLU 30	3.375	Si
478	18.1	2.3	0	2,3,4,5	-313570	-136326	-15108	-1080742	-469856	SLU 30	3.447	Si
770	18.1	1.1	0	5	293863	125868	-13594	1073687	459882	SLU 30	3.654	Si
230	18.1	0.9	0	2,3,4	290226	256661	-36468	1188952	1051447	SLU 30	4.097	Si
508	18.1	1.1	0	5	-252723	-110061	-14956	-1121615	-488466	SLU 30	4.438	Si
741	18.1	1.1	0	5	234059	100054	-13743	1126798	481675	SLU 30	4.814	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
350	18.1	0.9	0	2,3,4	-179513	1625544	-12808	-87999	796862	SLV 13	0.49				No
320	18.1	0.9	0	2,3,4	-134676	1517512	-12957	-71711	808029	SLV 13	0.532				No
290	18.1	0.9	0	2,3,4	-88240	1407968	-13109	-51488	821544	SLV 13	0.583				No
260	18.1	0.9	0	2,3,4	-40120	1298852	-13261	-25882	837919	SLV 13	0.645				No
420	18.1	2.3	0	2,3,4,5	-442409	-974750	-9193	-306891	-676168	SLV 15	0.694				No
230	18.1	0.9	0	2,3,4	11816	1190313	-13413	8514	857704	SLV 13	0.721				No
449	18.1	2.3	0	2,3,4,5	-379482	-831555	-9078	-315505	-691364	SLV 15	0.831				No
200	18.1	0.9	0	2,3,4	-24512	1024834	-13565	-21424	895717	SLV 13	0.874				No
770	18.1	1.1	0	5	405271	768677	-7797	356320	675830	SLV 15	0.879				No
170	18.1	0.9	0	2,3,4	449999	975882	-19895	459462	996404	SLV 15	1.021				Si
478	18.1	2.3	0	2,3,4,5	-315426	-685864	-8961	-328276	-713805	SLV 15	1.041				Si
741	18.1	1.1	0	5	327487	625485	-7911	366686	700354	SLV 15	1.12				Si
140	18.1	0.9	0	2,3,4	462569	870599	-20046	540758	1017757	SLV 15	1.169				Si
-10	18.1	1.8	0	1,2,3,4	910681	745046	-39804	1086903	889216	SLV 7	1.194				Si
110	18.1	0.9	0	2,3,4	904118	611556	-33756	1139011	770440	SLV 11	1.26				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-579842	-293105	-11463	-777759	-393150	SLD 11	1.341	Si
-10	18.1	1.8	0	1,2,3,4	740892	608092	-32545	1086207	891512	SLD 7	1.466	Si
20	18.1	1.8	0	1,2,3,4	717803	544825	-32397	1137522	863400	SLD 7	1.585	Si
449	18.1	2.3	0	2,3,4,5	-496461	-251166	-11348	-810768	-410178	SLD 11	1.633	Si
350	18.1	0.9	0	2,3,4	-83187	735202	-19587	-141208	1247994	SLD 13	1.697	Si
50	18.1	1.8	0	1,2,3,4	694260	480206	-32243	1196013	827260	SLD 7	1.723	Si
80	18.1	0.9	0	2,3,4	639982	482290	-29683	1148063	865179	SLD 11	1.794	Si
770	18.1	1.1	0	5	446258	217589	-10067	812500	396164	SLD 11	1.821	Si
320	18.1	0.9	0	2,3,4	-35271	708970	-19737	-64890	1304330	SLD 13	1.84	Si
110	18.1	0.9	0	2,3,4	624286	461639	-29531	1163627	860463	SLD 11	1.864	Si
140	18.1	0.9	0	2,3,4	608329	443759	-29379	1176852	858481	SLD 11	1.935	Si
290	18.1	0.9	0	2,3,4	13828	682435	-19889	27438	1354087	SLD 13	1.984	Si
170	18.1	0.9	0	2,3,4	591587	428355	-29227	1187451	859808	SLD 11	2.007	Si
478	18.1	2.3	0	2,3,4,5	-411625	-208498	-11231	-857009	-434096	SLD 11	2.082	Si
260	18.1	0.9	0	2,3,4	63673	656089	-20040	133919	1379903	SLD 13	2.103	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.604	228	0.627	0.226	0.62	SLV 13	No
320	0.637	256	0.657	0.237	0.652	SLV 13	No
290	0.676	291	0.693	0.251	0.689	SLV 13	No
260	0.723	337	0.736	0.267	0.734	SLV 13	No
420	0.678	293	0.695	0.251	0.691	SLV 15	No
230	0.779	397	0.787	0.287	0.788	SLV 13	No
449	0.828	453	0.831	0.303	0.834	SLV 15	No
200	0.902	555	0.903	0.33	0.906	SLV 13	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
770	0.877	518	0.878	0.321	0.881	SLV 15	No
170	1.02	746	1.019	0.371	1.019	SLV 15	Si
478	1.039	781	1.039	0.377	1.037	SLV 15	Si
741	1.115	928	1.115	0.404	1.11	SLV 15	Si
140	1.178	1068	1.181	0.426	1.17	SLV 15	Si
-10	1.578	2329	1.626	0.561	1.542	SLV 7	Si
110	1.41	1723	1.437	0.504	1.386	SLV 11	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	1.531	199	1.492	0.213	1.508	SLD 15	Si
-10	3.578	1464	3.381	0.476	3.375	SLD 7	Si
20	3.906	1851	3.723	0.517	3.667	SLD 7	Si
449	1.871	308	1.785	0.257	1.822	SLD 15	Si
350	1.365	156	1.35	0.191	1.35	SLD 13	Si
50	4.063	2057	3.887	0.537	3.806	SLD 11	Si
80	3.543	1427	3.346	0.472	3.345	SLD 11	Si
770	1.984	350	1.881	0.272	1.924	SLD 15	Si
320	1.439	174	1.412	0.2	1.419	SLD 13	Si
110	3.18	1069	2.972	0.426	3.018	SLD 11	Si
140	2.658	685	1.877	0.359	2.541	SLD 15	Si
290	1.527	197	1.486	0.212	1.504	SLD 13	Si
170	2.304	486	2.152	0.313	2.215	SLD 15	Si
478	2.354	510	2.194	0.319	2.259	SLD 15	Si
260	1.633	228	1.578	0.226	1.601	SLD 13	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	893	-12143	SLU 20	6743	3562	26960	2.5	7.55	2086	-13594	SLU 30	6932	3562	27155	2.5	3.32	Si
741	2X/2Y ø6/24.8	893	-12292	SLU 20	6763	3562	26980	2.5	7.57	2086	-13743	SLU 30	6952	3562	27175	2.5	3.33	Si
712	2X/2Y ø6/24.8	893	-12443	SLU 20	6783	3562	27000	2.5	7.59	2086	-13895	SLU 30	6971	3562	27195	2.5	3.34	Si
683	2X/2Y ø6/24.8	893	-12595	SLU 20	6802	3562	27020	2.5	7.62	2086	-14046	SLU 30	6991	3562	27216	2.5	3.35	Si
653	2X/2Y ø6/24.8	893	-12747	SLU 20	6822	3562	27041	2.5	7.64	2086	-14198	SLU 30	7011	3562	27236	2.5	3.36	Si
624	2X/2Y ø6/24.8	893	-12898	SLU 20	6842	3562	27061	2.5	7.66	2086	-14350	SLU 30	7031	3562	27257	2.5	3.37	Si
595	2X/2Y ø6/24.8	893	-13050	SLU 20	6862	3562	27082	2.5	7.68	2086	-14501	SLU 30	7050	3562	27277	2.5	3.38	Si
566	2X/2Y ø6/24.8	893	-13202	SLU 20	6881	3562	27102	2.5	7.71	2086	-14653	SLU 30	7070	3562	27297	2.5	3.39	Si
537	2X/2Y ø6/24.8	893	-13353	SLU 20	6901	3562	27123	2.5	7.73	2086	-14805	SLU 30	7090	3562	27318	2.5	3.4	Si
508	2X/2Y ø6/24.8	893	-13505	SLU 20	6921	3562	27143	2.5	7.75	2086	-14956	SLU 30	7110	3562	27338	2.5	3.41	Si
478	2X/2Y ø6/24.8	893	-13657	SLU 20	6940	3562	27163	2.5	7.77	2086	-15108	SLU 30	7129	3562	27359	2.5	3.42	Si
449	2X/2Y ø6/24.8	893	-13808	SLU 20	6960	3562	27184	2.5	7.79	2086	-15260	SLU 30	7149	3562	27379	2.5	3.43	Si
420	2X/2Y ø6/24.8	893	-13957	SLU 20	6980	3562	27204	2.5	7.82	2086	-15409	SLU 30	7168	3562	27399	2.5	3.44	Si
350	2X/2Y ø6/23.9	-1884	-35400	SLU 36	11052	4223	37442	2.5	5.87	-2394	-35400	SLU 36	11052	4223	37442	2.5	4.62	Si
320	2X/2Y ø6/23.9	-1884	-35594	SLU 36	11078	4223	37469	2.5	5.88	-2394	-35594	SLU 36	11078	4223	37469	2.5	4.63	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	6120	-7322	SLV 15	6116	3562	26311	2.5	1	5855	-12671	SLV 7	6812	3562	27031	2.5	1.16	No
741	2X/2Y ø6/24.8	6120	-7437	SLV 15	6131	3562	26326	2.5	1	5855	-12786	SLV 7	6827	3562	27046	2.5	1.17	Si
712	2X/2Y ø6/24.8	6120	-7553	SLV 15	6146	3562	26342	2.5	1	5855	-12903	SLV 7	6842	3562	27062	2.5	1.17	Si
683	2X/2Y ø6/24.8	6120	-7670	SLV 15	6161	3562	26357	2.5	1.01	5855	-13019	SLV 7	6858	3562	27078	2.5	1.17	Si
653	2X/2Y ø6/24.8	6120	-7787	SLV 15	6177	3562	26373	2.5	1.01	5855	-13136	SLV 7	6873	3562	27093	2.5	1.17	Si
624	2X/2Y ø6/24.8	6120	-7903	SLV 15	6192	3562	26389	2.5	1.01	5855	-13253	SLV 7	6888	3562	27109	2.5	1.18	Si
595	2X/2Y ø6/24.8	6120	-8020	SLV 15	6207	3562	26405	2.5	1.01	5855	-13369	SLV 7	6903	3562	27125	2.5	1.18	Si
566	2X/2Y ø6/24.8	6120	-8137	SLV 15	6222	3562	26420	2.5	1.02	5855	-13486	SLV 7	6918	3562	27140	2.5	1.18	Si
537	2X/2Y ø6/24.8	6120	-8253	SLV 15	6237	3562	26436	2.5	1.02	5855	-13603	SLV 7	6933	3562	27156	2.5	1.18	Si
508	2X/2Y ø6/24.8	6120	-8370	SLV 15	6253	3562	26452	2.5	1.02	5855	-13719	SLV 7	6949	3562	27172	2.5	1.19	Si
478	2X/2Y ø6/24.8	6120	-8487	SLV 15	6268	3562	26467	2.5	1.02	5855	-13836	SLV 7	6964	3562	27187	2.5	1.19	Si
449	2X/2Y ø6/24.8	6120	-8603	SLV 15	6283	3562	26483	2.5	1.03	5855	-13953	SLV 7	6979	3562	27203	2.5	1.19	Si
420	2X/2Y ø6/24.8	6120	-8718	SLV 15	6298	3562	26499	2.5	1.03	5855	-14067	SLV 7	6994	3562	27219	2.5	1.19	Si
350	2X/2Y ø6/23.9	5015	-9646	SLV 13	7644	4223	33916	2.5	1.52	-5160	-15423	SLV 5	8409	4223	34707	2.5	1.63	Si
320	2X/2Y ø6/23.9	5015	-9795	SLV 13	7664	4223	33937	2.5	1.53	-5160	-15572	SLV 5	8429	4223	34728	2.5	1.63	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	2582	-8813	SLD 15	6310	3562	26511	2.5	1.84	2978	-10688	SLD 7	6554	3562	26764	2.5	2.2	Si
741	2X/2Y ø6/24.8	2582	-8928	SLD 15	6325	3562	26527	2.5	1.85	2978	-10803	SLD 7	6569	3562	26779	2.5	2.21	Si
712	2X/2Y ø6/24.8	2582	-9045	SLD 15	6340	3562	26543	2.5	1.86	2978	-10919	SLD 7	6584	3562	26795	2.5	2.21	Si
683	2X/2Y ø6/24.8	2582	-9161	SLD 15	6356	3562	26558	2.5	1.86	2978	-11036	SLD 7	6599	3562	26811	2.5	2.22	Si
653	2X/2Y ø6/24.8	2582	-9278	SLD 15	6371	3562	26574	2.5	1.87	2978	-11153	SLD 7	6615	3562	26826	2.5	2.22	Si
624	2X/2Y ø6/24.8	2582	-9395	SLD 15	6386	3562	26590	2.5	1.87	2978	-11269	SLD 7	6630	3562	26842	2.5	2.23	Si
595	2X/2Y ø6/24.8	2582	-9511	SLD 15	6401	3562	26605	2.5	1.88	2978	-11386	SLD 7	6645	3562	26858	2.5	2.23	Si
566	2X/2Y ø6/24.8	2582	-9628	SLD 15	6416	3562	26621	2.5	1.88	2978	-11503	SLD 7	6660	3562	26873	2.5	2.24	Si
537	2X/2Y ø6/24.8	2582	-9745	SLD 15	6431	3562	26637	2.5	1.89	2978	-11619	SLD 7	6675	3562	26889	2.5	2.24	Si
508	2X/2Y ø6/24.8	2582	-9861	SLD 15	6447	3562	26652	2.5	2.5	2978	-11736	SLD 7	6691	3562	26905	2.5	2.25	Si
478	2X/2Y ø6/24.8	2582	-9978	SLD 15	6462	3562	26668	2.5	2.5	2978	-11853	SLD 7	6706	3562	26921	2.5	2.25	Si
449	2X/2Y ø6/24.8	2582	-10095	SLD 15	6477	3562	26684	2.5	2.51	2978	-11969	SLD 7	6721	3562	26936	2.5	2.26	Si
420	2X/2Y ø6/24.8	2582	-10209	SLD 15	6492	3562	26699	2.5	2.51	2978	-12084	SLD 7	6736	3562	26952	2.5	2.26	Si
350	2X/2Y ø6/23.9	-3534	-30349	SLD 3	10384	4223	36751	2.5	2.94	-2920	-21618	SLD 5	9229	4223	35555	2.5	3.16	Si
320	2X/2Y ø6/23.9	-3534	-30498	SLD 3	10404	4223	36771	2.5	2.94	-2920	-21767	SLD 5	9248	4223	35576	2.5	3.17	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	1	712	1	0.364	1	SLV 15	Si
741	1.002	715	1.002	0.365	1.002	SLV 15	Si
712	1.004	718	1.003	0.365	1.003	SLV 15	Si
683	1.008	725	1.007	0.367	1.007	SLV 15	Si
653	1.01	728	1.009	0.367	1.009	SLV 15	Si
624	1.012	732	1.011	0.368	1.011	SLV 15	Si
595	1.016	739	1.015	0.369	1.015	SLV 15	Si
566	1.018	742	1.017	0.37	1.017	SLV 15	Si
537	1.02	746	1.019	0.371	1.019	SLV 15	Si
508	1.023	753	1.023	0.372	1.022	SLV 15	Si
478	1.025	756	1.025	0.373	1.024	SLV 15	Si
449	1.027	760	1.027	0.373	1.026	SLV 15	Si
420	1.031	767	1.031	0.375	1.03	SLV 15	Si
350	1.314	1428	1.33	0.472	1.297	SLV 13	Si
320	1.316	1434	1.333	0.473	1.299	SLV 13	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	2.846	808	2.65	0.383	2.711	SLD 15	Si
741	2.852	812	2.655	0.383	2.718	SLD 15	Si
712	2.863	820	2.666	0.385	2.728	SLD 15	Si
683	2.869	825	2.673	0.386	2.734	SLD 15	Si
653	2.875	828	2.677	0.386	2.738	SLD 15	Si
624	2.887	838	2.69	0.388	2.75	SLD 15	Si
595	2.893	841	2.694	0.389	2.755	SLD 15	Si
566	2.898	845	2.699	0.39	2.761	SLD 15	Si
537	2.904	850	2.706	0.39	2.766	SLD 15	Si
508	2.916	858	2.716	0.392	2.777	SLD 15	Si
478	2.922	863	2.723	0.393	2.783	SLD 15	Si
449	2.928	866	2.727	0.393	2.787	SLD 15	Si
420	2.934	871	2.733	0.394	2.793	SLD 15	Si
350	3.742	1650	3.551	0.497	3.521	SLD 13	Si
320	3.748	1657	3.558	0.498	3.526	SLD 13	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 6

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-290706	-106083	-13160	-1114471	-406686	SLU 30	3.834	Si
770	18.1	1.1	0	5	255321	97902	-11346	1093477	419289	SLU 30	4.283	Si
350	18.1	0.9	0	2,3,4	297441	207607	-22374	1318242	920104	SLU 30	4.432	Si
449	18.1	2.3	0	2,3,4,5	-245856	-89328	-13011	-1160105	-421505	SLU 30	4.719	Si
-10	18.1	1.8	0	1,2,3,4	-378792	1784	-24737	-1912833	9010	SLU 30	5.05	Si
320	18.1	0.9	0	2,3,4	241873	190694	-22569	1272757	1003449	SLU 30	5.262	Si
741	18.1	1.1	0	5	210470	81146	-11495	1147564	442441	SLU 30	5.452	Si
20	18.1	1.8	0	1,2,3,4	-323953	18475	-24546	-1820491	103824	SLU 30	5.62	Si
478	18.1	2.3	0	2,3,4,5	-200223	-72280	-12860	-1198371	-432610	SLU 30	5.985	Si
50	18.1	1.8	0	1,2,3,4	-266715	35897	-24346	-1669238	224662	SLU 30	6.259	Si
290	18.1	0.9	0	2,3,4	185363	173495	-22766	1165306	1090691	SLU 30	6.287	Si
80	18.1	0.9	0	2,3,4	-210205	53097	-24148	-1466753	370494	SLU 30	6.978	Si
712	18.1	1.1	0	5	164838	64099	-11646	1186897	461538	SLU 30	7.2	Si
260	18.1	0.9	0	2,3,4	125087	157015	-23275	916657	1150626	SLU 36	7.328	Si
110	18.1	0.9	0	2,3,4	-153695	70296	-23951	-1196754	547366	SLU 30	7.787	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	-2134940	6800	-28616	-899711	2866	SLV 7	0.421				No
350	18.1	0.9	0	2,3,4	-399826	1857242	-16608	-174854	812222	SLV 13	0.437				No
320	18.1	0.9	0	2,3,4	-331000	1703763	-16758	-160825	827818	SLV 13	0.486				No
20	18.1	1.8	0	1,2,3,4	-1811516	-48525	-28468	-949086	-25423	SLV 7	0.524				No
290	18.1	0.9	0	2,3,4	-261138	1547682	-16909	-143030	847694	SLV 13	0.548				No
420	18.1	2.3	0	2,3,4,5	-306478	-1097046	-10677	-192202	-687992	SLV 15	0.627				No
260	18.1	0.9	0	2,3,4	-191559	1391602	-17061	-120227	873400	SLV 13	0.628				No
50	18.1	1.8	0	1,2,3,4	1140519	159771	-6297	760185	106492	SLV 9	0.667				No
230	18.1	0.9	0	2,3,4	-97181	1235521	-17213	-71461	908529	SLV 13	0.735				No
449	18.1	2.3	0	2,3,4,5	-258616	-934422	-10563	-195758	-707303	SLV 15	0.757				No
770	18.1	1.1	0	5	276279	882881	-9281	217674	695602	SLV 15	0.788				No
80	18.1	0.9	0	2,3,4	838734	8624	-3428	741723	7626	SLV 5	0.884				No
200	18.1	0.9	0	2,3,4	-22772	1079105	-17365	-20216	957975	SLV 13	0.888				No
478	18.1	2.3	0	2,3,4,5	-209923	-768962	-10446	-201248	-737186	SLV 15	0.959				No
741	18.1	1.1	0	5	228413	720258	-9396	230508	726865	SLV 15	1.009				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-1077383	3694	-22477	-1078723	3699	SLD 7	1.001	Si
350	18.1	0.9	0	2,3,4	-69728	908943	-16152	-76393	995815	SLD 13	1.096	Si
320	18.1	0.9	0	2,3,4	-58987	833926	-16302	-73645	1041155	SLD 13	1.248	Si
20	18.1	1.8	0	1,2,3,4	-914821	-13783	-22330	-1187223	-17887	SLD 7	1.298	Si
290	18.1	0.9	0	2,3,4	-48121	757638	-16454	-69922	1100893	SLD 13	1.453	Si
420	18.1	2.3	0	2,3,4,5	-245721	-532652	-9948	-357920	-775868	SLD 15	1.457	Si
260	18.1	0.9	0	2,3,4	-37380	681350	-16605	-64875	1182506	SLD 13	1.736	Si
449	18.1	2.3	0	2,3,4,5	-207602	-453292	-9833	-371352	-810835	SLD 15	1.789	Si
770	18.1	1.1	0	5	218370	433532	-8552	391764	777775	SLD 15	1.794	Si
50	18.1	1.8	0	1,2,3,4	-745153	-31883	-22176	-1371063	-58664	SLD 7	1.84	Si
230	18.1	0.9	0	2,3,4	-15666	605061	-16757	-33746	1303352	SLD 13	2.154	Si
478	18.1	2.3	0	2,3,4,5	-168820	-372549	-9716	-391398	-863734	SLD 15	2.318	Si
741	18.1	1.1	0	5	180249	354174	-8666	421043	827312	SLD 15	2.336	Si
200	18.1	0.9	0	2,3,4	-2831	528609	-16910	-7804	1457275	SLD 13	2.757	Si
80	18.1	0.9	0	2,3,4	-577664	-49753	-22024	-1620820	-139597	SLD 7	2.806	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.443	119	0.48	0.168	0.46	SLV 7	No
350	0.479	139	0.512	0.18	0.496	SLV 13	No
320	0.531	173	0.56	0.2	0.548	SLV 13	No
20	0.556	190	0.582	0.208	0.572	SLV 7	No
290	0.597	222	0.62	0.223	0.613	SLV 13	No
420	0.642	260	0.662	0.239	0.656	SLV 15	No
260	0.677	292	0.694	0.251	0.69	SLV 13	No
50	0.733	348	0.746	0.271	0.744	SLV 7	No
230	0.778	396	0.786	0.286	0.787	SLV 13	No
449	0.771	388	0.78	0.284	0.78	SLV 15	No
770	0.795	415	0.801	0.292	0.803	SLV 15	No
80	0.926	590	0.926	0.338	0.928	SLV 5	No
200	0.91	567	0.911	0.332	0.913	SLV 13	No
478	0.963	649	0.963	0.351	0.964	SLV 15	No
741	1.008	725	1.007	0.367	1.007	SLV 15	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	1.002	83	1.042	0.141	1	SLD 7	Si
350	1.08	96	1.107	0.151	1.073	SLD 13	Si
320	1.201	120	1.213	0.168	1.193	SLD 13	Si
20	1.256	131	1.257	0.176	1.245	SLD 7	Si
290	1.348	151	1.332	0.188	1.332	SLD 13	Si
420	1.451	177	1.422	0.202	1.432	SLD 15	Si
260	1.529	197	1.486	0.212	1.504	SLD 13	Si
449	1.746	264	1.675	0.241	1.705	SLD 15	Si
770	1.797	282	1.721	0.248	1.755	SLD 15	Si
50	1.656	236	1.6	0.229	1.625	SLD 7	Si
230	1.758	269	1.688	0.242	1.718	SLD 13	Si
478	2.178	429	2.044	0.296	2.1	SLD 15	Si
741	2.28	474	2.13	0.309	2.193	SLD 15	Si
200	2.058	379	1.943	0.281	1.992	SLD 13	Si
80	2.093	394	1.974	0.286	2.025	SLD 5	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	627	-9196	SLU 19	6360	3562	26563	2.5	10.14	1565	-11346	SLU 30	6640	3562	26852	2.5	4.24	Si
741	2X/2Y ø6/24.8	627	-9345	SLU 19	6379	3562	26583	2.5	10.18	1565	-11495	SLU 30	6659	3562	26872	2.5	4.26	Si
712	2X/2Y ø6/24.8	627	-9497	SLU 19	6399	3562	26603	2.5	10.21	1565	-11646	SLU 30	6679	3562	26893	2.5	4.27	Si
683	2X/2Y ø6/24.8	627	-9648	SLU 19	6419	3562	26624	2.5	10.24	1565	-11798	SLU 30	6699	3562	26913	2.5	4.28	Si
653	2X/2Y ø6/24.8	627	-9800	SLU 19	6439	3562	26644	2.5	10.27	1565	-11950	SLU 30	6718	3562	26934	2.5	4.29	Si
624	2X/2Y ø6/24.8	627	-9952	SLU 19	6458	3562	26665	2.5	10.3	1565	-12101	SLU 30	6738	3562	26954	2.5	4.31	Si
595	2X/2Y ø6/24.8	627	-10103	SLU 19	6478	3562	26685	2.5	10.33	1565	-12253	SLU 30	6758	3562	26974	2.5	4.32	Si
566	2X/2Y ø6/24.8	627	-10255	SLU 19	6498	3562	26705	2.5	10.36	1565	-12405	SLU 30	6778	3562	26995	2.5	4.33	Si
537	2X/2Y ø6/24.8	627	-10407	SLU 19	6518	3562	26726	2.5	10.4	1565	-12556	SLU 30	6797	3562	27015	2.5	4.34	Si
508	2X/2Y ø6/24.8	627	-10558	SLU 19	6537	3562	26746	2.5	10.43	1565	-12708	SLU 30	6817	3562	27036	2.5	4.36	Si
478	2X/2Y ø6/24.8	627	-10710	SLU 19	6557	3562	26767	2.5	10.46	1565	-12860	SLU 30	6837	3562	27056	2.5	4.37	Si
449	2X/2Y ø6/24.8	627	-10862	SLU 19	6577	3562	26787	2.5	10.49	1565	-13011	SLU 30	6856	3562	27076	2.5	4.38	Si
420	2X/2Y ø6/24.8	627	-11011	SLU 19	6596	3562	26807	2.5	10.52	1565	-13160	SLU 30	6876	3562	27097	2.5	4.39	Si
350	2X/2Y ø6/23.9	545	-18181	SLU 19	8774	4223	35085	2.5	16.1	1878	-22072	SLU 29	9289	4223	35618	2.5	4.95	Si
320	2X/2Y ø6/23.9	545	-18375	SLU 19	8799	4223	35111	2.5	16.15	1878	-22266	SLU 29	9314	4223	35644	2.5	4.96	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	6443	-16821	SLV 13	8594	4223	34899	2.5	1.33	-11291	-1919	SLV 9	6622	4223	32859	2.5	0.59	No
320	2X/2Y ø6/23.9	6443	-16970	SLV 13	8614	4223	34919	2.5	1.34	-11291	-2068	SLV 9	6641	4223	32879	2.5	0.59	No
80	2X/2Y ø6/23.9	6443	-18185	SLV 13	8774	4223	35085	2.5	1.36	-10821	140	SLV 5	6368	4223	32596	2.5	0.59	No
110	2X/2Y ø6/23.9	6443	-18034	SLV 13	8754	4223	35065	2.5	1.36	-10821	292	SLV 5	6368	4223	32596	2.5	0.59	No
140	2X/2Y ø6/23.9	6443	-17882	SLV 13	8734	4223	35044	2.5	1.36	-10821	444	SLV 5	6368	4223	32596	2.5	0.59	No
170	2X/2Y ø6/23.9	6443	-17730	SLV 13	8714	4223	35023	2.5	1.35	-10821	596	SLV 5	6368	4223	32596	2.5	0.59	No
200	2X/2Y ø6/23.9	6443	-17578	SLV 13	8694	4223	35002	2.5	1.35	-10821	748	SLV 5	6368	4223	32596	2.5	0.59	No
230	2X/2Y ø6/23.9	6443	-17426	SLV 13	8674	4223	34981	2.5	1.35	-10821	900	SLV 5	6368	4223	32596	2.5	0.59	No
260	2X/2Y ø6/23.9	6443	-17274	SLV 13	8654	4223	34961	2.5	1.34	-10821	1052	SLV 5	6368	4223	32596	2.5	0.59	No
290	2X/2Y ø6/23.9	6443	-17122	SLV 13	8634	4223	34940	2.5	1.34	-10821	1204	SLV 5	6368	4223	32596	2.5	0.59	No
50	2X/2Y ø6/23.9	6443	-18337	SLV 13	8794	4223	35106	2.5	1.36	-10821	-11	SLV 5	6369	4223	32597	2.5	0.59	No
20	2X/2Y ø6/23.9	6443	-18491	SLV 13	8815	4223	35127	2.5	1.37	-10821	-165	SLV 5	6390	4223	32619	2.5	0.59	No
-10	2X/2Y ø6/23.9	6443	-18638	SLV 13	8834	4223	35147	2.5	1.37	-10821	-313	SLV 5	6409	4223	32639	2.5	0.59	No
770	2X/2Y ø6/24.8	7027	-9620	SLV 15	6415	3562	26620	2.5	0.91	4597	-9265	SLV 7	6369	3562	26572	2.5	1.39	No
741	2X/2Y ø6/24.8	7027	-9735	SLV 15	6430	3562	26635	2.5	0.92	4597	-9379	SLV 7	6384	3562	26588	2.5	1.39	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	2543	-16152	SLD 13	8505	4223	34807	2.5	3.34	5585	-20660	SLD 7	9102	4223	35424	2.5	1.63	Si
320	2X/2Y ø6/23.9	2543	-16302	SLD 13	8525	4223	34828	2.5	3.35	5585	-20809	SLD 7	9122	4223	35445	2.5	1.63	Si
290	2X/2Y ø6/23.9	2543	-16454	SLD 13	8545	4223	34848	2.5	3.36	5585	-20961	SLD 7	9142	4223	35465	2.5	1.64	Si
260	2X/2Y ø6/23.9	2543	-16605	SLD 13	8565	4223	34869	2.5	3.37	5585	-21113	SLD 7	9162	4223	35486	2.5	1.64	Si
230	2X/2Y ø6/23.9	2543	-16757	SLD 13	8585	4223	34890	2.5	3.38	5585	-21265	SLD 7	9182	4223	35507	2.5	1.64	Si
200	2X/2Y ø6/23.9	2543	-16910	SLD 13	8605	4223	34911	2.5	3.38	5585	-21417	SLD 7	9202	4223	35528	2.5	1.65	Si
170	2X/2Y ø6/23.9	2543	-17061	SLD 13	8626	4223	34932	2.5	3.39	5585	-21569	SLD 7	9222	4223	35549	2.5	1.65	Si
140	2X/2Y ø6/23.9	2543	-17213	SLD 13	8646	4223	34952	2.5	3.4	5585	-21721	SLD 7	9242	4223	35569	2.5	1.65	Si
110	2X/2Y ø6/23.9	2543	-17365	SLD 13	8666	4223	34973	2.5	3.41	5585	-21872	SLD 7	9262	4223	35590	2.5	1.66	Si

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
80	2X/2Y ø6/23.9	2543	-17517	SLD 13	8686	4223	34994	2.5	3.42	5585	-22024	SLD 7	9282	4223	35611	2.5	1.66	Si
50	2X/2Y ø6/23.9	2543	-17669	SLD 13	8706	4223	35015	2.5	3.42	5585	-22176	SLD 7	9302	4223	35632	2.5	1.67	Si
20	2X/2Y ø6/23.9	2543	-17822	SLD 13	8726	4223	35036	2.5	3.43	5585	-22330	SLD 7	9323	4223	35653	2.5	1.67	Si
-10	2X/2Y ø6/23.9	2543	-17970	SLD 13	8746	4223	35056	2.5	3.44	5585	-22477	SLD 7	9342	4223	35673	2.5	1.67	Si
770	2X/2Y ø6/24.8	2768	-8552	SLD 15	6276	3562	26476	2.5	2.27	2300	-8419	SLD 7	6259	3562	26458	2.5	2.72	Si
741	2X/2Y ø6/24.8	2768	-8666	SLD 15	6291	3562	26492	2.5	2.27	2300	-8534	SLD 7	6274	3562	26474	2.5	2.73	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.674	289	0.691	0.25	0.687	SLV 9	No
320	0.676	290	0.692	0.251	0.689	SLV 5	No
80	0.687	301	0.703	0.254	0.699	SLV 9	No
110	0.686	299	0.701	0.254	0.698	SLV 9	No
140	0.684	298	0.7	0.253	0.696	SLV 9	No
170	0.683	297	0.699	0.253	0.695	SLV 9	No
200	0.681	295	0.697	0.253	0.694	SLV 9	No
230	0.68	294	0.696	0.252	0.693	SLV 9	No
260	0.678	293	0.695	0.251	0.691	SLV 9	No
290	0.677	292	0.694	0.251	0.69	SLV 9	No
50	0.688	302	0.704	0.255	0.701	SLV 5	No
20	0.689	304	0.705	0.255	0.702	SLV 9	No
-10	0.69	305	0.706	0.256	0.703	SLV 9	No
770	0.904	558	0.905	0.33	0.907	SLV 15	No
741	0.906	561	0.907	0.331	0.909	SLV 15	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.92	326	1.827	0.264	1.867	SLD 9	Si
320	1.924	327	1.829	0.264	1.87	SLD 9	Si
290	1.928	328	1.831	0.264	1.873	SLD 9	Si
260	1.932	331	1.838	0.265	1.878	SLD 9	Si
230	1.936	332	1.84	0.265	1.881	SLD 9	Si
200	1.939	333	1.843	0.266	1.884	SLD 9	Si
170	1.943	334	1.845	0.266	1.887	SLD 9	Si
140	1.947	336	1.849	0.267	1.892	SLD 9	Si
110	1.951	337	1.852	0.267	1.895	SLD 9	Si
80	1.955	339	1.856	0.268	1.897	SLD 9	Si
50	1.959	341	1.861	0.269	1.903	SLD 9	Si
20	1.965	343	1.865	0.269	1.908	SLD 5	Si
-10	1.969	344	1.867	0.27	1.911	SLD 5	Si
770	2.576	635	1.801	0.348	1.865	SLD 15	Si
741	2.582	639	1.807	0.349	1.87	SLD 15	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 7

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-22	0	0.9	0	1	204390	-5084	-9044	0	0	SLU 1	0	No
-17	1.47	0.9	0	1	330643	-4720	-14677	505593	-7218	SLU 36	1.529	Si
14	17.38	1.8	0	1,2,3,4	315160	8999	-14480	1781205	50863	SLU 36	5.652	Si
44	18.1	1.8	0	1,2,3,4	299419	22947	-14278	1821791	139622	SLU 36	6.084	Si
75	18.1	0.9	0	2,3,4	283500	37054	-14075	1805591	235992	SLU 36	6.369	Si
105	18.1	0.9	0	2,3,4	267937	50844	-13876	1774045	336641	SLU 36	6.621	Si
136	18.1	0.9	0	2,3,4	252196	64792	-13674	1709728	439245	SLU 36	6.779	Si
167	18.1	0.9	0	2,3,4	236455	78740	-13473	1628601	542323	SLU 36	6.888	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
197	18.1	0.9	0	2,3,4	220715	92688	-13272	1542485	647755	SLU 36	6.989	Si
228	18.1	0.9	0	2,3,4	204968	106640	-13071	1449793	754295	SLU 36	7.073	Si
258	18.1	0.9	0	2,3,4	189233	120584	-12869	1352844	862063	SLU 36	7.149	Si
289	18.1	0.9	0	2,3,4	173492	134532	-12668	1251741	970641	SLU 36	7.215	Si
319	18.1	0.9	0	2,3,4	157751	148480	-12467	1145370	1078051	SLU 36	7.261	Si
350	18.1	0.9	0	2,3,4	142268	162200	-12269	1036494	1181706	SLU 36	7.286	Si
420	18.1	2.3	0	2,3,4,5	8617	-159111	-6087	65970	-1218119	SLU 19	7.656	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-22	0	0.9	0	1	263627	42599	-11785	0	0	SLV 1	0				No
350	18.1	0.9	0	2,3,4	350001	1443171	-6528	180506	744286	SLV 15	0.516				No
420	18.1	2.3	0	2,3,4,5	-97711	-1202612	-5017	-51243	-630691	SLV 15	0.524				No
319	18.1	0.9	0	2,3,4	338826	1321406	-6680	192716	751585	SLV 15	0.569				No
449	18.1	2.3	0	2,3,4,5	-80539	-1027312	-4902	-49930	-636877	SLV 15	0.62				No
289	18.1	0.9	0	2,3,4	327992	1197617	-6835	208336	760709	SLV 15	0.635				No
-17	1.47	0.9	0	1	-59227	-20956	1676	-39850	-14100	SLV 9	0.673				No
770	18.1	1.1	0	5	111045	931592	-3621	74753	627128	SLV 15	0.673				No
258	18.1	0.9	0	2,3,4	318185	1073828	-6990	228816	772219	SLV 15	0.719				No
478	18.1	2.3	0	2,3,4,5	-63062	-848954	-4786	-47987	-646010	SLV 15	0.761				No
228	18.1	0.9	0	2,3,4	310587	950082	-7144	257328	787163	SLV 15	0.829				No
741	18.1	1.1	0	5	93854	756293	-3736	79143	637745	SLV 15	0.843				No
197	18.1	0.9	0	2,3,4	274660	826250	-7299	268426	807496	SLV 15	0.977				No
508	18.1	1.1	0	5	-45579	-670598	-4669	-44881	-660326	SLV 15	0.985				No
712	18.1	1.1	0	5	76341	577936	-3852	86636	655874	SLV 15	1.135				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-22	0	0.9	0	1	244100	15886	-10844	0	0	SLD 1	0	No
420	18.1	2.3	0	2,3,4,5	-52496	-597119	-5219	-59771	-679867	SLD 15	1.139	Si
350	18.1	0.9	0	2,3,4	207353	706284	-7469	246154	838450	SLD 15	1.187	Si
-17	1.47	0.9	0	1	353082	4306	-15265	457480	5579	SLD 7	1.296	Si
319	18.1	0.9	0	2,3,4	208479	646682	-7621	276610	858019	SLD 15	1.327	Si
449	18.1	2.3	0	2,3,4,5	-42421	-510212	-5104	-57774	-694873	SLD 15	1.362	Si
770	18.1	1.1	0	5	70033	460931	-3823	102340	673563	SLD 15	1.461	Si
289	18.1	0.9	0	2,3,4	209858	586090	-7776	315983	882477	SLD 15	1.506	Si
478	18.1	2.3	0	2,3,4,5	-32167	-421790	-4988	-54732	-717666	SLD 15	1.701	Si
258	18.1	0.9	0	2,3,4	211690	525497	-7930	367548	912396	SLD 15	1.736	Si
741	18.1	1.1	0	5	59949	374024	-3938	112183	699917	SLD 15	1.871	Si
228	18.1	0.9	0	2,3,4	214498	464926	-8085	434819	942474	SLD 15	2.027	Si
508	18.1	1.1	0	5	-21911	-333368	-4871	-49659	-755554	SLD 15	2.266	Si
197	18.1	0.9	0	2,3,4	204773	404312	-8240	497577	982435	SLD 15	1.83	Si
712	18.1	1.1	0	5	49679	285603	-4054	130142	748182	SLD 15	2.62	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-22	0	0	0	0	0	SLV 1	No
350	0.522	167	0.552	0.196	0.539	SLV 15	No
420	0.509	158	0.539	0.191	0.526	SLV 15	No
319	0.58	209	0.605	0.217	0.597	SLV 15	No
449	0.611	234	0.634	0.228	0.627	SLV 15	No
289	0.649	267	0.669	0.242	0.664	SLV 15	No
-17	0.75	365	0.76	0.276	0.76	SLV 7	No
770	0.662	278	0.68	0.246	0.676	SLV 15	No
258	0.734	349	0.747	0.271	0.745	SLV 15	No
478	0.759	375	0.769	0.28	0.769	SLV 15	No
228	0.841	469	0.843	0.308	0.846	SLV 15	No
741	0.842	470	0.843	0.308	0.847	SLV 15	No
197	0.979	677	0.98	0.357	0.98	SLV 15	No
508	0.984	685	0.984	0.358	0.985	SLV 15	No
712	1.133	964	1.132	0.41	1.127	SLV 15	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-22	0	0	0	0	0	SLD 1	No
420	1.148	109	1.166	0.161	1.139	SLD 15	Si
350	1.182	115	1.192	0.165	1.172	SLD 15	Si
-17	1.695	248	1.633	0.234	1.661	SLD 7	Si
319	1.311	143	1.303	0.183	1.299	SLD 15	Si
449	1.383	161	1.368	0.193	1.368	SLD 15	Si
770	1.496	188	1.458	0.208	1.472	SLD 15	Si
289	1.469	182	1.438	0.204	1.448	SLD 15	Si
478	1.715	254	1.649	0.237	1.677	SLD 15	Si
258	1.66	237	1.603	0.23	1.628	SLD 15	Si
741	1.902	319	1.81	0.261	1.85	SLD 15	Si
228	1.898	318	1.808	0.261	1.848	SLD 15	Si
508	2.225	449	2.083	0.302	2.143	SLD 15	Si
197	2.213	444	2.073	0.301	2.133	SLD 15	Si
712	2.559	624	2.384	0.345	1.847	SLD 15	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	800	-4272	SLU 19	5719	3562	25900	2.5	7.15	348	-5145	SLU 12	5833	3562	26018	2.5	16.74	Si
741	2X/2Y ø6/24.8	800	-4421	SLU 19	5739	3562	25920	2.5	7.18	348	-5259	SLU 12	5848	3562	26033	2.5	16.78	Si
712	2X/2Y ø6/24.8	800	-4573	SLU 19	5758	3562	25941	2.5	7.2	348	-5376	SLU 12	5863	3562	26049	2.5	16.83	Si
683	2X/2Y ø6/24.8	800	-4724	SLU 19	5778	3562	25961	2.5	7.23	348	-5493	SLU 12	5878	3562	26064	2.5	16.87	Si
653	2X/2Y ø6/24.8	800	-4876	SLU 19	5798	3562	25981	2.5	7.25	348	-5609	SLU 12	5893	3562	26080	2.5	16.92	Si
624	2X/2Y ø6/24.8	800	-5028	SLU 19	5818	3562	26002	2.5	7.27	348	-5726	SLU 12	5908	3562	26096	2.5	16.96	Si
595	2X/2Y ø6/24.8	800	-5179	SLU 19	5837	3562	26022	2.5	7.3	348	-5843	SLU 12	5924	3562	26112	2.5	17	Si
566	2X/2Y ø6/24.8	812	-6038	SLU 24	5949	3562	26138	2.5	7.32	348	-5959	SLU 12	5939	3562	26127	2.5	17.05	Si
537	2X/2Y ø6/24.8	812	-6190	SLU 24	5969	3562	26158	2.5	7.35	348	-6076	SLU 12	5954	3562	26143	2.5	17.09	Si
508	2X/2Y ø6/24.8	812	-6341	SLU 24	5989	3562	26179	2.5	7.37	348	-6193	SLU 12	5969	3562	26159	2.5	17.13	Si
478	2X/2Y ø6/24.8	812	-6493	SLU 24	6008	3562	26199	2.5	7.4	348	-6309	SLU 12	5984	3562	26174	2.5	17.18	Si
449	2X/2Y ø6/24.8	812	-6645	SLU 24	6028	3562	26219	2.5	7.42	348	-6426	SLU 12	6000	3562	26190	2.5	17.22	Si
420	2X/2Y ø6/24.8	812	-6794	SLU 24	6047	3562	26240	2.5	7.44	348	-6541	SLU 12	6014	3562	26205	2.5	17.26	Si
350	2X/2Y ø6/23.9	440	-9583	SLU 24	7636	4223	33908	2.5	17.35	-515	-12269	SLU 36	7991	4223	34275	2.5	15.53	Si
319	2X/2Y ø6/23.9	440	-9781	SLU 24	7662	4223	33935	2.5	17.41	-515	-12467	SLU 36	8018	4223	34303	2.5	15.58	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	7553	-3526	SLV 15	5622	3562	25800	2.5	0.74	-3819	-1177	SLV 9	5317	3562	25483	2.5	1.39	No

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
741	2X/2Y ø6/24.8	7553	-3641	SLV 15	5637	3562	25815	2.5	0.75	-3819	-1292	SLV 9	5331	3562	25499	2.5	1.4	No
712	2X/2Y ø6/24.8	7553	-3757	SLV 15	5652	3562	25831	2.5	0.75	-3819	-1408	SLV 9	5347	3562	25515	2.5	1.4	No
683	2X/2Y ø6/24.8	7553	-3874	SLV 15	5668	3562	25847	2.5	0.75	-3819	-1525	SLV 9	5362	3562	25530	2.5	1.4	No
653	2X/2Y ø6/24.8	7553	-3991	SLV 15	5683	3562	25862	2.5	0.75	-3819	-1642	SLV 9	5377	3562	25546	2.5	1.41	No
624	2X/2Y ø6/24.8	7553	-4107	SLV 15	5698	3562	25878	2.5	0.75	-3819	-1758	SLV 9	5392	3562	25562	2.5	1.41	No
595	2X/2Y ø6/24.8	7553	-4224	SLV 15	5713	3562	25894	2.5	0.76	-3819	-1875	SLV 9	5407	3562	25577	2.5	1.42	No
566	2X/2Y ø6/24.8	7553	-4341	SLV 15	5728	3562	25909	2.5	0.76	-3819	-1992	SLV 9	5423	3562	25593	2.5	1.42	No
537	2X/2Y ø6/24.8	7553	-4457	SLV 15	5743	3562	25925	2.5	0.76	-3819	-2108	SLV 9	5438	3562	25609	2.5	1.42	No
508	2X/2Y ø6/24.8	7553	-4574	SLV 15	5759	3562	25941	2.5	0.76	-3819	-2225	SLV 9	5453	3562	25625	2.5	1.43	No
478	2X/2Y ø6/24.8	7553	-4691	SLV 15	5774	3562	25956	2.5	0.76	-3819	-2342	SLV 9	5468	3562	25640	2.5	1.43	No
449	2X/2Y ø6/24.8	7553	-4807	SLV 15	5789	3562	25972	2.5	0.77	-3819	-2458	SLV 9	5483	3562	25656	2.5	1.44	No
420	2X/2Y ø6/24.8	7553	-4922	SLV 15	5804	3562	25988	2.5	0.77	-3819	-2573	SLV 9	5498	3562	25671	2.5	1.44	No
350	2X/2Y ø6/23.9	5011	-6089	SLV 15	7174	4223	33429	2.5	1.43	-1669	2968	SLV 5	6368	4223	32596	2.5	3.81	Si
319	2X/2Y ø6/23.9	5011	-6241	SLV 15	7194	4223	33450	2.5	1.44	-1669	2816	SLV 5	6368	4223	32596	2.5	3.81	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	3032	-3823	SLD 15	5661	3562	25840	2.5	1.87	1550	-4968	SLD 7	5810	3562	25994	2.5	3.75	Si
741	2X/2Y ø6/24.8	3032	-3938	SLD 15	5676	3562	25855	2.5	1.87	1550	-5083	SLD 7	5825	3562	26009	2.5	3.76	Si
712	2X/2Y ø6/24.8	3032	-4054	SLD 15	5691	3562	25871	2.5	1.88	1550	-5199	SLD 7	5840	3562	26025	2.5	3.77	Si
683	2X/2Y ø6/24.8	3032	-4171	SLD 15	5706	3562	25886	2.5	1.88	1550	-5316	SLD 7	5855	3562	26041	2.5	3.78	Si
653	2X/2Y ø6/24.8	3032	-4288	SLD 15	5721	3562	25902	2.5	1.89	1550	-5433	SLD 7	5870	3562	26056	2.5	3.79	Si
624	2X/2Y ø6/24.8	3032	-4404	SLD 15	5737	3562	25918	2.5	1.89	1550	-5549	SLD 7	5886	3562	26072	2.5	3.8	Si
595	2X/2Y ø6/24.8	3032	-4521	SLD 15	5752	3562	25934	2.5	1.9	1550	-5666	SLD 7	5901	3562	26088	2.5	3.81	Si
566	2X/2Y ø6/24.8	3032	-4638	SLD 15	5767	3562	25949	2.5	1.9	1550	-5783	SLD 7	5916	3562	26103	2.5	3.82	Si
537	2X/2Y ø6/24.8	3032	-4754	SLD 15	5782	3562	25965	2.5	1.91	1550	-5899	SLD 7	5931	3562	26119	2.5	3.83	Si
508	2X/2Y ø6/24.8	3032	-4871	SLD 15	5797	3562	25981	2.5	1.91	1550	-6016	SLD 7	5946	3562	26135	2.5	3.84	Si
478	2X/2Y ø6/24.8	3032	-4988	SLD 15	5812	3562	25996	2.5	1.92	1550	-6133	SLD 7	5961	3562	26151	2.5	3.85	Si
449	2X/2Y ø6/24.8	3032	-5104	SLD 15	5828	3562	26012	2.5	1.92	1550	-6249	SLD 7	5977	3562	26166	2.5	3.86	Si
420	2X/2Y ø6/24.8	3032	-5219	SLD 15	5843	3562	26028	2.5	1.93	1550	-6364	SLD 7	5992	3562	26182	2.5	3.87	Si
350	2X/2Y ø6/23.9	1981	-7469	SLD 15	7356	4223	33618	2.5	3.71	-821	-4289	SLD 5	6935	4223	33183	2.5	8.45	Si
319	2X/2Y ø6/23.9	1981	-7621	SLD 15	7376	4223	33639	2.5	3.72	-821	-4441	SLD 5	6955	4223	33204	2.5	8.47	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.725	339	0.738	0.268	0.736	SLV 15	No
741	0.728	342	0.74	0.269	0.739	SLV 15	No
712	0.729	344	0.742	0.269	0.741	SLV 15	No
683	0.732	347	0.745	0.27	0.743	SLV 15	No
653	0.734	349	0.747	0.271	0.745	SLV 15	No
624	0.736	351	0.748	0.272	0.747	SLV 15	No
595	0.738	353	0.75	0.272	0.749	SLV 15	No
566	0.74	355	0.752	0.273	0.751	SLV 15	No
537	0.742	357	0.753	0.274	0.752	SLV 15	No
508	0.744	359	0.755	0.274	0.754	SLV 15	No
478	0.746	361	0.757	0.275	0.756	SLV 15	No
449	0.749	364	0.76	0.276	0.759	SLV 15	No
420	0.751	366	0.761	0.277	0.761	SLV 15	No
350	1.438	1814	1.467	0.514	1.412	SLV 15	Si
319	1.441	1828	1.472	0.515	1.416	SLV 15	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	2.066	382	1.949	0.282	2	SLD 15	Si
741	2.072	385	1.956	0.283	2.005	SLD 15	Si
712	2.078	387	1.96	0.284	2.01	SLD 15	Si
683	2.084	389	1.964	0.284	2.015	SLD 15	Si
653	2.09	391	1.968	0.285	2.02	SLD 15	Si
624	2.096	395	1.976	0.286	2.027	SLD 15	Si
595	2.102	397	1.98	0.287	2.032	SLD 15	Si
566	2.107	399	1.984	0.288	2.037	SLD 15	Si
537	2.113	402	1.99	0.288	2.042	SLD 15	Si
508	2.119	404	1.995	0.289	2.047	SLD 15	Si
478	2.125	406	1.999	0.29	2.052	SLD 15	Si
449	2.134	411	2.009	0.291	2.062	SLD 15	Si
420	2.14	413	2.013	0.292	2.067	SLD 15	Si
350	4.09	2094	3.916	0.54	3.83	SLD 15	Si
319	4.104	2112	3.93	0.542	3.842	SLD 15	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 8

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x65	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x60	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-27.2	1.8	2.540	-52	-10	R 45x65	FeB 32k liscio LC1
p.1	17.2	-27.2	1.8	2.540	-52	-10	R 45x65	FeB 32k liscio LC1

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	17.2	27.2	1.8	2.540	-52	-10	R 45x65	FeB 32k liscio LC1
p.1	-17.2	27.2	1.8	2.540	-52	-10	R 45x65	FeB 32k liscio LC1
p.2	-17.2	-27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.3	17.2	-27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.3	-17.2	27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.4	17.2	27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.5	-12.2	-22.2	1.8	2.540	420	770	R 40x60	FeB 32k liscio LC1
p.5	17.2	-22.2	1.8	2.540	420	770	R 40x60	FeB 32k liscio LC1
p.5	17.2	27.2	1.8	2.540	420	770	R 40x60	FeB 32k liscio LC1
p.5	-12.2	27.2	1.8	2.540	420	770	R 40x60	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.2	0	1,2,3,4	1571027	-63693	-40476	2807738	-113832	SLU 19	1.787	Si
20	18.1	1.2	0	1,2,3,4	1378185	-42922	-40200	3118697	-97128	SLU 19	2.263	Si
50	18.1	1.2	0	1,2,3,4	1176903	-21241	-39911	3444505	-62168	SLU 19	2.927	Si
80	18.1	0.6	0	2,3,4	985057	-3203	-40701	3672182	-11941	SLU 22	3.728	Si
350	18.1	0.6	0	2,3,4	-812674	196187	-38139	-3170797	765459	SLU 22	3.902	Si
110	18.1	0.6	0	2,3,4	768764	-4933	-48614	3397589	-21800	SLU 36	4.42	Si
320	18.1	0.6	0	2,3,4	-589616	185203	-42865	-2884443	906025	SLU 35	4.892	Si
140	18.1	0.6	0	2,3,4	579439	22138	-48329	2934181	112104	SLU 36	5.064	Si
290	18.1	0.6	0	2,3,4	-367185	157491	-46903	-2100181	900801	SLU 36	5.72	Si
170	18.1	0.6	0	2,3,4	390114	49209	-48044	2266701	285920	SLU 36	5.81	Si
200	18.1	0.6	0	2,3,4	202506	71585	-47778	1319357	466385	SLU 30	6.515	Si
230	18.1	0.6	0	2,3,4	15306	98016	-47492	100320	642432	SLU 30	6.554	Si
260	18.1	0.6	0	2,3,4	-171493	124391	-47207	-1130814	820226	SLU 30	6.594	Si
420	18.1	1.5	0	2,3,4,5	228550	129633	-21064	1849136	1048824	SLU 30	8.091	Si
449	18.1	1.5	0	2,3,4,5	195847	103279	-22016	1764511	930510	SLU 36	9.01	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.2	0	1,2,3,4	7870294	143419	-41956	1228361	22384	SLV 5	0.156				No
20	18.1	1.2	0	1,2,3,4	6775088	56356	-41743	1263038	10506	SLV 5	0.186				No
350	18.1	0.6	0	2,3,4	-5636886	-1167815	-39331	-1287963	-266832	SLV 5	0.228				No
50	18.1	1.2	0	1,2,3,4	5631983	-12878	-41521	1316823	-3011	SLV 5	0.234				No
320	18.1	0.6	0	2,3,4	-4527154	-1064248	-39546	-1364883	-320858	SLV 5	0.301				No
80	18.1	0.6	0	2,3,4	4503504	-45442	-41301	1403796	-14165	SLV 5	0.312				No
290	18.1	0.6	0	2,3,4	917040	2155211	-29700	395807	930218	SLV 15	0.432				No
110	18.1	0.6	0	2,3,4	3375168	-48761	-41082	1571387	-22702	SLV 5	0.466				No
260	18.1	0.6	0	2,3,4	692489	1916531	-29919	351765	973543	SLV 15	0.508				No
420	18.1	1.5	0	2,3,4,5	734910	1346771	-17771	415049	760605	SLV 1	0.565				No
230	18.1	0.6	0	2,3,4	469194	1677999	-30138	289459	1035205	SLV 15	0.617				No
449	18.1	1.5	0	2,3,4,5	621622	1145244	-17599	431005	794060	SLV 1	0.693				No
770	18.1	0.8	0	5	-652351	-1107144	-15677	-456107	-774087	SLV 1	0.699				No
200	18.1	0.6	0	2,3,4	252289	1439186	-30358	198047	1129763	SLV 15	0.785				No
140	18.1	0.6	0	2,3,4	2167461	490274	-40064	1935831	437880	SLV 9	0.893				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.2	0	1,2,3,4	4139021	24398	-38152	1406435	8290	SLD 5	0.34	No
20	18.1	1.2	0	1,2,3,4	3574741	-4062	-37939	1480274	-1682	SLD 5	0.414	No
50	18.1	1.2	0	1,2,3,4	2985780	-24192	-37717	1601041	-12972	SLD 5	0.536	No
350	18.1	0.6	0	2,3,4	-2820104	-431708	-35526	-1584853	-242613	SLD 5	0.562	No
80	18.1	0.6	0	2,3,4	2404349	-28227	-37497	1818868	-21353	SLD 5	0.756	No
320	18.1	0.6	0	2,3,4	-2248337	-396078	-35742	-1792619	-315797	SLD 5	0.797	No
110	18.1	0.6	0	2,3,4	1822982	-19319	-37278	2283098	-24195	SLD 5	1.252	Si
290	18.1	0.6	0	2,3,4	-1666909	-359946	-35962	-2171901	-468992	SLD 5	1.303	Si
420	18.1	1.5	0	2,3,4,5	433726	639260	-16328	645519	951417	SLD 1	1.488	Si
260	18.1	0.6	0	2,3,4	225415	902234	-31736	416041	1665218	SLD 15	1.846	Si
770	18.1	0.8	0	5	-387803	-519205	-14234	-724160	-969532	SLD 1	1.867	Si
449	18.1	1.5	0	2,3,4,5	366530	544119	-16156	689412	1023443	SLD 1	1.881	Si
140	18.1	0.6	0	2,3,4	1206490	229590	-36705	2856245	543532	SLD 9	2.367	Si
230	18.1	0.6	0	2,3,4	208703	786303	-31956	499940	1883559	SLD 15	2.395	Si
741	18.1	0.8	0	5	-320661	-424069	-14406	-812827	-1074951	SLD 1	2.535	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.126	10	0.174	0.046	0.127	SLV 5	No
20	0.172	18	0.221	0.063	0.174	SLV 5	No
350	0.272	46	0.325	0.104	0.285	SLV 5	No
50	0.241	36	0.294	0.091	0.25	SLV 5	No
320	0.372	84	0.416	0.141	0.389	SLV 5	No
80	0.347	73	0.393	0.132	0.362	SLV 5	No
290	0.532	174	0.561	0.2	0.55	SLV 5	No
110	0.531	173	0.56	0.2	0.548	SLV 5	No
260	0.633	252	0.653	0.236	0.648	SLV 15	No
420	0.616	238	0.638	0.23	0.632	SLV 1	No
230	0.731	346	0.744	0.27	0.742	SLV 15	No
449	0.739	354	0.751	0.273	0.75	SLV 1	No
770	0.742	357	0.753	0.274	0.752	SLV 1	No
200	0.861	496	0.862	0.315	0.866	SLV 15	No
140	0.912	570	0.913	0.333	0.915	SLV 9	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.284	6	0.355	0.037	0.264	SLD 5	No
20	0.389	12	0.472	0.051	0.363	SLD 5	No
50	0.545	25	0.637	0.076	0.536	SLD 5	No
350	0.615	31	0.696	0.086	0.606	SLD 5	No
80	0.783	51	0.854	0.11	0.782	SLD 5	No
320	0.84	59	0.906	0.119	0.841	SLD 5	No
110	1.199	119	1.208	0.168	1.188	SLD 5	Si
290	1.203	120	1.213	0.168	1.193	SLD 5	Si
420	1.395	163	1.375	0.194	1.377	SLD 1	Si
260	1.431	172	1.405	0.199	1.411	SLD 15	Si
770	1.676	242	1.617	0.232	1.641	SLD 1	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
449	1.672	241	1.614	0.231	1.638	SLD 1	Si
140	2.061	380	1.945	0.281	1.995	SLD 9	Si
230	1.652	235	1.597	0.229	1.621	SLD 15	Si
741	2.102	397	1.98	0.287	2.032	SLD 1	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	902	-46337	SLU 36	15330	4203	53426	2.5	16.99	-6624	-37064	SLU 19	13603	6320	54299	2.5	2.05	Si
320	2X/2Y ø6/24	902	-46618	SLU 36	15367	4203	53465	2.5	17.03	-6624	-37344	SLU 19	13642	6320	54339	2.5	2.06	Si
290	2X/2Y ø6/24	902	-46903	SLU 36	15405	4203	53504	2.5	17.07	-6624	-37629	SLU 19	13681	6320	54380	2.5	2.07	Si
260	2X/2Y ø6/24	902	-47188	SLU 36	15442	4203	53543	2.5	17.11	-6624	-37914	SLU 19	13720	6320	54421	2.5	2.07	Si
230	2X/2Y ø6/24	902	-47473	SLU 36	15480	4203	53582	2.5	17.16	-6624	-38200	SLU 19	13760	6320	54461	2.5	2.08	Si
200	2X/2Y ø6/24	902	-47759	SLU 36	15518	4203	53621	2.5	17.2	-6624	-38485	SLU 19	13799	6320	54502	2.5	2.08	Si
170	2X/2Y ø6/24	902	-48044	SLU 36	15556	4203	53660	2.5	17.24	-6624	-38770	SLU 19	13838	6320	54543	2.5	2.09	Si
140	2X/2Y ø6/24	902	-48329	SLU 36	15593	4203	53699	2.5	17.28	-6624	-39055	SLU 19	13877	6320	54583	2.5	2.1	Si
110	2X/2Y ø6/24	902	-48614	SLU 36	15631	4203	53738	2.5	17.32	-6624	-39340	SLU 19	13917	6320	54624	2.5	2.1	Si
80	2X/2Y ø6/24	902	-48899	SLU 36	15669	4203	53777	2.5	17.36	-6624	-39626	SLU 19	13956	6320	54664	2.5	2.11	Si
50	2X/2Y ø6/24	902	-49184	SLU 36	15707	4203	53816	2.5	17.41	-6624	-39911	SLU 19	13995	6320	54705	2.5	2.11	Si
20	2X/2Y ø6/24	902	-49473	SLU 36	15745	4203	53856	2.5	17.45	-6624	-40200	SLU 19	14035	6320	54746	2.5	2.12	Si
-10	2X/2Y ø6/24	902	-49750	SLU 36	15781	4203	53894	2.5	17.49	-6624	-40476	SLU 19	14073	6320	54786	2.5	2.12	Si
770	2X/2Y ø6/25	-624	-18342	SLU 30	10132	3526	40457	2.5	16.22	-1565	-15523	SLU 19	9214	5559	42118	2.5	5.89	Si
741	2X/2Y ø6/25	-624	-18565	SLU 30	10161	3526	40487	2.5	16.27	-1565	-15746	SLU 19	9244	5559	42149	2.5	5.91	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	9882	-28418	SLV 15	12959	4203	50973	2.5	1.31	-46127	-41102	SLV 5	14159	6320	54875	2.5	0.31	No
320	2X/2Y ø6/24	9882	-28634	SLV 15	12987	4203	51003	2.5	1.31	-46127	-41317	SLV 5	14189	6320	54906	2.5	0.31	No
290	2X/2Y ø6/24	9882	-28853	SLV 15	13016	4203	51033	2.5	1.32	-46127	-41537	SLV 5	14219	6320	54937	2.5	0.31	No
260	2X/2Y ø6/24	9882	-29073	SLV 15	13045	4203	51063	2.5	1.32	-46127	-41756	SLV 5	14249	6320	54968	2.5	0.31	No
230	2X/2Y ø6/24	9882	-29292	SLV 15	13074	4203	51093	2.5	1.32	-46127	-41975	SLV 5	14280	6320	54999	2.5	0.31	No
200	2X/2Y ø6/24	9882	-29512	SLV 15	13103	4203	51123	2.5	1.33	-46127	-42195	SLV 5	14310	6320	55031	2.5	0.31	No
170	2X/2Y ø6/24	9882	-29731	SLV 15	13132	4203	51153	2.5	1.33	-46127	-42414	SLV 5	14340	6320	55062	2.5	0.31	No
140	2X/2Y ø6/24	9882	-29950	SLV 15	13161	4203	51183	2.5	1.33	-46127	-42634	SLV 5	14370	6320	55093	2.5	0.31	No
110	2X/2Y ø6/24	9882	-30170	SLV 15	13190	4203	51213	2.5	1.33	-46127	-42853	SLV 5	14401	6320	55124	2.5	0.31	No
80	2X/2Y ø6/24	9882	-30389	SLV 15	13219	4203	51243	2.5	1.34	-46127	-43072	SLV 5	14431	6320	55156	2.5	0.31	No
50	2X/2Y ø6/24	9882	-30608	SLV 15	13248	4203	51273	2.5	1.34	-46127	-43292	SLV 5	14461	6320	55187	2.5	0.31	No
20	2X/2Y ø6/24	9882	-30831	SLV 15	13278	4203	51304	2.5	1.34	-46127	-43514	SLV 5	14492	6320	55219	2.5	0.31	No
-10	2X/2Y ø6/24	9882	-31043	SLV 15	13306	4203	51333	2.5	1.35	-46127	-43727	SLV 5	14521	6320	55249	2.5	0.31	No
770	2X/2Y ø6/25	8010	-9836	SLV 15	9025	3526	39312	2.5	1.13	7298	-4463	SLV 11	7701	5559	40553	2.5	1.06	Si
741	2X/2Y ø6/25	-8761	-16521	SLV 1	9895	3526	40211	2.5	1.13	7298	-4635	SLV 11	7725	5559	40577	2.5	1.06	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	3873	-31082	SLD 15	13311	4203	51338	2.5	3.44	-19384	-35526	SLD 5	13391	6320	54080	2.5	0.69	No
320	2X/2Y ø6/24	3873	-31297	SLD 15	13340	4203	51368	2.5	3.44	-19384	-35742	SLD 5	13421	6320	54111	2.5	0.69	No
290	2X/2Y ø6/24	3873	-31517	SLD 15	13369	4203	51398	2.5	3.45	-19384	-35962	SLD 5	13451	6320	54142	2.5	0.69	No
260	2X/2Y ø6/24	3873	-31736	SLD 15	13398	4203	51428	2.5	3.46	-19384	-36181	SLD 5	13481	6320	54174	2.5	0.7	No
230	2X/2Y ø6/24	3873	-31956	SLD 15	13427	4203	51458	2.5	3.47	-19384	-36400	SLD 5	13512	6320	54205	2.5	0.7	No
200	2X/2Y ø6/24	3873	-32175	SLD 15	13456	4203	51488	2.5	3.47	-19384	-36620	SLD 5	13542	6320	54236	2.5	0.7	No
170	2X/2Y ø6/24	3873	-32394	SLD 15	13485	4203	51518	2.5	3.48	-19384	-36839	SLD 5	13572	6320	54267	2.5	0.7	No
140	2X/2Y ø6/24	3873	-32614	SLD 15	13514	4203	51548	2.5	3.49	-19384	-37058	SLD 5	13602	6320	54299	2.5	0.7	No
110	2X/2Y ø6/24	3873	-32833	SLD 15	13543	4203	51578	2.5	3.5	-19384	-37278	SLD 5	13633	6320	54330	2.5	0.7	No
80	2X/2Y ø6/24	3873	-33052	SLD 15	13572	4203	51608	2.5	3.5	-19384	-37497	SLD 5	13663	6320	54361	2.5	0.7	No
50	2X/2Y ø6/24	3873	-33272	SLD 15	13601	4203	51638	2.5	3.51	-19384	-37717	SLD 5	13693	6320	54392	2.5	0.71	No
20	2X/2Y ø6/24	3873	-33494	SLD 15	13630	4203	51668	2.5	3.52	-19384	-37939	SLD 5	13724	6320	54424	2.5	0.71	No
-10	2X/2Y ø6/24	3873	-33707	SLD 15	13658	4203	51697	2.5	3.53	-19384	-38152	SLD 5	13753	6320	54454	2.5	0.71	No
770	2X/2Y ø6/25	-3319	-14234	SLD 1	9597	3526	39904	2.5	2.89	-4004	-16119	SLD 5	9295	5559	42202	2.5	2.32	Si
741	2X/2Y ø6/25	-3319	-14406	SLD 1	9620	3526	39927	2.5	2.9	-4004	-16291	SLD 5	9319	5559	42226	2.5	2.33	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.202	25	0.253	0.075	0.206	SLV 5	No
320	0.202	25	0.253	0.075	0.206	SLV 5	No
290	0.203	26	0.257	0.077	0.211	SLV 5	No
260	0.204	26	0.257	0.077	0.211	SLV 5	No
230	0.205	26	0.257	0.077	0.211	SLV 5	No
200	0.205	26	0.257	0.077	0.211	SLV 5	No
170	0.206	26	0.257	0.077	0.211	SLV 5	No
140	0.207	27	0.261	0.078	0.215	SLV 5	No
110	0.208	27	0.261	0.078	0.215	SLV 5	No
80	0.208	27	0.261	0.078	0.215	SLV 5	No
50	0.209	27	0.261	0.078	0.215	SLV 5	No
20	0.21	27	0.261	0.078	0.215	SLV 5	No
-10	0.21	27	0.261	0.078	0.215	SLV 5	No
770	1.043	788	1.042	0.379	1.041	SLV 11	Si
741	1.045	792	1.045	0.38	1.043	SLV 11	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.574	27	0.658	0.079	0.56	SLD 5	No
320	0.576	27	0.658	0.079	0.56	SLD 5	No
290	0.578	28	0.668	0.081	0.572	SLD 5	No
260	0.58	28	0.668	0.081	0.572	SLD 5	No
230	0.582	28	0.668	0.081	0.572	SLD 5	No
200	0.584	28	0.668	0.081	0.572	SLD 5	No
170	0.586	28	0.668	0.081	0.572	SLD 5	No
140	0.588	28	0.668	0.081	0.572	SLD 5	No
110	0.592	29	0.677	0.082	0.584	SLD 5	No
80	0.594	29	0.677	0.082	0.584	SLD 5	No
50	0.596	29	0.677	0.082	0.584	SLD 5	No
20	0.598	29	0.677	0.082	0.584	SLD 5	No
-10	0.6	29	0.677	0.082	0.584	SLD 5	No
770	2.978	902	2.772	0.4	2.833	SLD 11	Si
741	2.986	909	2.781	0.401	2.841	SLD 11	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 9

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	438876	-2330	-15534	1569642	-8332	SLU 19	3.577	Si
350	18.1	0.9	0	2,3,4	-337427	126594	-13171	-1399376	525009	SLU 19	4.147	Si
420	18.1	2.3	0	2,3,4,5	239597	36395	-6926	1001373	152108	SLU 19	4.179	Si
20	18.1	1.8	0	1,2,3,4	375922	8125	-15342	1716324	37097	SLU 19	4.566	Si
449	18.1	2.3	0	2,3,4,5	205159	31675	-6777	1077131	166303	SLU 19	5.25	Si
320	18.1	0.9	0	2,3,4	-273636	116000	-13365	-1477262	626240	SLU 19	5.399	Si
770	18.1	1.1	0	5	-179665	-21059	-5111	-1000351	-117253	SLU 19	5.568	Si
50	18.1	1.8	0	1,2,3,4	332768	21572	-21181	1894360	122803	SLU 30	5.693	Si
80	18.1	0.9	0	2,3,4	268705	33746	-20983	1775413	222971	SLU 30	6.607	Si
478	18.1	2.3	0	2,3,4,5	170121	26874	-6625	1179946	186396	SLU 19	6.936	Si
290	18.1	0.9	0	2,3,4	-208764	105226	-13563	-1469024	740452	SLU 19	7.037	Si
110	18.1	0.9	0	2,3,4	204641	45920	-20786	1566014	351405	SLU 30	7.652	Si
741	18.1	1.1	0	5	-145227	-16340	-5260	-1155320	-129986	SLU 19	7.955	Si
140	18.1	0.9	0	2,3,4	139614	58528	-20659	1241429	520427	SLU 36	8.892	Si
260	18.1	0.9	0	2,3,4	-116160	107558	-19869	-1037410	960589	SLU 36	8.931	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
350	18.1	0.9	0	2,3,4	266494	1851396	-12496	112061	778517	SLV 15	0.421				No
-10	18.1	1.8	0	1,2,3,4	1756005	4377	-7652	745632	1858	SLV 5	0.425				No
320	18.1	0.9	0	2,3,4	229639	1697369	-12646	106822	789571	SLV 15	0.465				No
20	18.1	1.8	0	1,2,3,4	1482559	-59301	-7504	755111	-30204	SLV 5	0.509				No
290	18.1	0.9	0	2,3,4	192169	1540732	-12797	100218	803509	SLV 15	0.522				No
260	18.1	0.9	0	2,3,4	154716	1384095	-12949	91806	821301	SLV 15	0.593				No
50	18.1	1.8	0	1,2,3,4	1197148	-128842	-7350	769890	-82859	SLV 5	0.643				No
420	18.1	2.3	0	2,3,4,5	477343	963569	-6275	318918	643771	SLV 1	0.668				No
230	18.1	0.9	0	2,3,4	117313	1227459	-13101	80740	844794	SLV 15	0.688				No
449	18.1	2.3	0	2,3,4,5	784228	396467	-2982	617252	312052	SLV 5	0.787				No
200	18.1	0.9	0	2,3,4	45822	1070485	-13253	37589	878153	SLV 15	0.82				No
770	18.1	1.1	0	5	-362629	-756636	-4879	-308546	-643790	SLV 1	0.851				No
80	18.1	0.9	0	2,3,4	915378	-197527	-7199	794644	-171474	SLV 5	0.868				No
478	18.1	2.3	0	2,3,4,5	648320	327626	-2865	623078	314870	SLV 5	0.961				No
170	18.1	0.9	0	2,3,4	37508	914185	-13405	37961	925215	SLV 15	1.012				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	969922	878	-11495	868950	787	SLD 5	0.896	No
350	18.1	0.9	0	2,3,4	-852049	-302211	-9677	-848431	-300927	SLD 5	0.996	No
20	18.1	1.8	0	1,2,3,4	822174	-22488	-11347	907272	-24816	SLD 5	1.104	Si
320	18.1	0.9	0	2,3,4	-8302	804543	-12774	-9837	953358	SLD 15	1.185	Si
420	18.1	2.3	0	2,3,4,5	500596	223934	-4676	675564	302204	SLD 5	1.35	Si
290	18.1	0.9	0	2,3,4	2695	730267	-12926	3678	996573	SLD 15	1.365	Si
50	18.1	1.8	0	1,2,3,4	667961	-48238	-11193	971863	-70184	SLD 5	1.455	Si
260	18.1	0.9	0	2,3,4	13700	655992	-13078	21988	1052850	SLD 15	1.605	Si
449	18.1	2.3	0	2,3,4,5	428110	191554	-4561	689328	308433	SLD 5	1.61	Si
770	18.1	1.1	0	5	-381947	-170334	-3280	-667469	-297667	SLD 5	1.748	Si
230	18.1	0.9	0	2,3,4	24726	581717	-13230	48118	1132038	SLD 15	1.946	Si
478	18.1	2.3	0	2,3,4,5	354362	158609	-4444	709721	317665	SLD 5	2.003	Si
80	18.1	0.9	0	2,3,4	515715	-73673	-11041	1089419	-155630	SLD 5	2.112	Si
741	18.1	1.1	0	5	-309464	-137955	-3394	-692859	-308869	SLD 5	2.239	Si
200	18.1	0.9	0	2,3,4	20732	507281	-13382	51217	1253203	SLD 15	1.87	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.44	118	0.479	0.167	0.459	SLV 5	No
-10	0.39	92	0.432	0.148	0.407	SLV 5	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
320	0.509	159	0.541	0.192	0.527	SLV 15	No
20	0.492	148	0.525	0.186	0.51	SLV 5	No
290	0.568	200	0.594	0.213	0.586	SLV 15	No
260	0.641	259	0.661	0.238	0.655	SLV 15	No
50	0.644	262	0.664	0.24	0.658	SLV 5	No
420	0.633	252	0.653	0.236	0.648	SLV 5	No
230	0.732	347	0.745	0.27	0.743	SLV 15	No
449	0.768	384	0.776	0.283	0.776	SLV 5	No
200	0.852	482	0.852	0.312	0.856	SLV 15	No
770	0.84	467	0.841	0.307	0.845	SLV 5	No
80	0.875	515	0.876	0.32	0.879	SLV 5	No
478	0.959	643	0.959	0.349	0.96	SLV 5	No
170	1.01	728	1.009	0.367	1.009	SLV 15	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.883	65	0.943	0.124	0.881	SLD 5	No
350	0.996	82	1.037	0.14	0.99	SLD 5	Si
20	1.111	102	1.134	0.156	1.104	SLD 5	Si
320	1.15	110	1.17	0.162	1.145	SLD 15	Si
420	1.434	173	1.409	0.2	1.415	SLD 5	Si
290	1.285	138	1.284	0.18	1.275	SLD 15	Si
50	1.453	177	1.422	0.202	1.432	SLD 5	Si
260	1.449	176	1.419	0.201	1.428	SLD 15	Si
449	1.738	262	1.67	0.24	1.699	SLD 5	Si
770	1.898	318	1.808	0.261	1.848	SLD 5	Si
230	1.654	235	1.597	0.229	1.621	SLD 15	Si
478	2.172	426	2.038	0.296	2.096	SLD 5	Si
80	1.98	349	1.878	0.271	1.922	SLD 5	Si
741	1.812	542	2.25	0.327	2.314	SLD 5	Si
200	1.924	327	1.829	0.264	1.87	SLD 15	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	409	-19280	SLU 36	8919	4203	35235	2.5	21.83	-2162	-13171	SLU 19	8111	4203	34399	2.5	3.75	Si
320	2X/2Y ø6/24	409	-19474	SLU 36	8945	4203	35262	2.5	21.89	-2162	-13365	SLU 19	8136	4203	34426	2.5	3.76	Si
290	2X/2Y ø6/24	409	-19672	SLU 36	8971	4203	35289	2.5	21.96	-2162	-13563	SLU 19	8163	4203	34453	2.5	3.77	Si
260	2X/2Y ø6/24	409	-19869	SLU 36	8997	4203	35316	2.5	22.02	-2162	-13760	SLU 19	8189	4203	34480	2.5	3.79	Si
230	2X/2Y ø6/24	409	-20067	SLU 36	9023	4203	35343	2.5	22.08	-2162	-13958	SLU 19	8215	4203	34507	2.5	3.8	Si
200	2X/2Y ø6/24	409	-20265	SLU 36	9049	4203	35370	2.5	22.15	-2162	-14155	SLU 19	8241	4203	34534	2.5	3.81	Si
170	2X/2Y ø6/24	409	-20462	SLU 36	9076	4203	35397	2.5	22.21	-2162	-14352	SLU 19	8267	4203	34561	2.5	3.82	Si
140	2X/2Y ø6/24	409	-20659	SLU 36	9102	4203	35424	2.5	22.28	-2162	-14550	SLU 19	8293	4203	34588	2.5	3.84	Si
110	2X/2Y ø6/24	409	-20856	SLU 36	9128	4203	35451	2.5	22.34	-2162	-14747	SLU 19	8319	4203	34615	2.5	3.85	Si
80	2X/2Y ø6/24	409	-21054	SLU 36	9154	4203	35478	2.5	21.8	-2162	-14945	SLU 19	8345	4203	34642	2.5	3.86	Si
50	2X/2Y ø6/24	409	-21251	SLU 36	9180	4203	35505	2.5	21.87	-2162	-15142	SLU 19	8372	4203	34669	2.5	3.87	Si
20	2X/2Y ø6/24	409	-21451	SLU 36	9206	4203	35533	2.5	22.53	-2162	-15342	SLU 19	8398	4203	34696	2.5	3.88	Si
-10	2X/2Y ø6/24	409	-21643	SLU 36	9232	4203	35559	2.5	22.59	-2162	-15534	SLU 19	8423	4203	34722	2.5	3.9	Si
770	2X/2Y ø6/25	-226	-6636	SLU 30	6027	3526	26218	2.5	26.63	-1201	-5111	SLU 19	5828	3526	26013	2.5	4.85	Si
741	2X/2Y ø6/25	-226	-6785	SLU 30	6046	3526	26238	2.5	26.71	-1201	-5260	SLU 19	5848	3526	26033	2.5	4.87	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	6502	-12436	SLV 15	8014	4203	34298	2.5	1.23	-11406	-4042	SLV 5	6903	4203	33149	2.5	0.61	No
320	2X/2Y ø6/24	6502	-12586	SLV 15	8033	4203	34319	2.5	1.24	-11406	-4191	SLV 5	6922	4203	33170	2.5	0.61	No
290	2X/2Y ø6/24	6502	-12738	SLV 15	8053	4203	34340	2.5	1.24	-11406	-4343	SLV 5	6943	4203	33191	2.5	0.61	No
260	2X/2Y ø6/24	6502	-12889	SLV 15	8073	4203	34360	2.5	1.24	-11406	-4495	SLV 5	6963	4203	33211	2.5	0.61	No
230	2X/2Y ø6/24	6502	-13041	SLV 15	8094	4203	34381	2.5	1.24	-11406	-4647	SLV 5	6983	4203	33232	2.5	0.61	No
200	2X/2Y ø6/24	6502	-13194	SLV 15	8114	4203	34402	2.5	1.25	-11406	-4799	SLV 5	7003	4203	33253	2.5	0.61	No
170	2X/2Y ø6/24	6502	-13345	SLV 15	8134	4203	34423	2.5	1.25	-11406	-4951	SLV 5	7023	4203	33274	2.5	0.62	No
140	2X/2Y ø6/24	6502	-13497	SLV 15	8154	4203	34444	2.5	1.25	-11406	-5103	SLV 5	7043	4203	33294	2.5	0.62	No
110	2X/2Y ø6/24	6502	-13649	SLV 15	8174	4203	34464	2.5	1.26	-11406	-5255	SLV 5	7063	4203	33315	2.5	0.62	No
80	2X/2Y ø6/24	6502	-13801	SLV 15	8194	4203	34485	2.5	1.26	-11406	-5406	SLV 5	7083	4203	33336	2.5	0.62	No
50	2X/2Y ø6/24	6502	-13953	SLV 15	8214	4203	34506	2.5	1.26	-11406	-5558	SLV 5	7103	4203	33357	2.5	0.62	No
20	2X/2Y ø6/24	6502	-14106	SLV 15	8235	4203	34527	2.5	1.27	-11406	-5712	SLV 5	7124	4203	33378	2.5	0.62	No
-10	2X/2Y ø6/24	6502	-14254	SLV 15	8254	4203	34547	2.5	1.27	-11406	-5860	SLV 5	7143	4203	33398	2.5	0.63	No
770	2X/2Y ø6/25	-6171	-4969	SLV 1	5810	3526	25994	2.5	0.94	-5653	-964	SLV 5	5289	3526	25455	2.5	0.94	No
741	2X/2Y ø6/25	-6171	-5084	SLV 1	5825	3526	26009	2.5	0.94	-5653	-1079	SLV 5	5304	3526	25470	2.5	0.94	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	2476	-12625	SLD 15	8038	4203	34324	2.5	3.25	-5075	-9677	SLD 5	7648	4203	33921	2.5	1.51	Si
320	2X/2Y ø6/24	2476	-12774	SLD 15	8058	4203	34345	2.5	3.25	-5075	-9826	SLD 5	7668	4203	33941	2.5	1.51	Si
290	2X/2Y ø6/24	2476	-12926	SLD 15	8078	4203	34365	2.5	3.26	-5075	-9978	SLD 5	7688	4203	33962	2.5	1.51	Si
260	2X/2Y ø6/24	2476	-13078	SLD 15	8098	4203	34386	2.5	3.27	-5075	-10130	SLD 5	7708	4203	33983	2.5	1.52	Si
230	2X/2Y ø6/24	2476	-13230	SLD 15	8118	4203	34407	2.5	3.28	-5075	-10282	SLD 5	7728	4203	34004	2.5	1.52	Si
200	2X/2Y ø6/24	2476	-13382	SLD 15	8139	4203	34428	2.5	3.29	-5075	-10434	SLD 5	7749	4203	34024	2.5	1.53	Si
170	2X/2Y ø6/24	2476	-13533	SLD 15	8159	4203	34449	2.5	3.3	-5075	-10586	SLD 5	7769	4203	34045	2.5	1.53	Si
140	2X/2Y ø6/24	2476	-13685	SLD 15	8179	4203	34469	2.5	3.3	-5075	-10738	SLD 5	7789	4203	34066	2.5	1.53	Si
110	2X/2Y ø6/24	2476	-13837	SLD 15	8199	4203	34490	2.5	3.31	-5075	-10890	SLD 5	7809	4203	34087	2.5	1.54	Si
80	2X/2Y ø6/24	2476	-13989	SLD 15	8219	4203	34511	2.5	3.32	-5075	-11041	SLD 5	7829	4203	34107	2.5	1.54	Si
50	2X/2Y ø6/24	2476	-14141	SLD 15	8239	4203	34532	2.5	3.33	-5075	-11193	SLD 5	7849	4203	34128	2.5	1.55	Si
20	2X/2Y ø6/24	2476	-14295	SLD 15	8259	4203	34553	2.5	3.34	-5075	-11347	SLD 5	7869	4203	34149	2.5	1.55	Si
-10	2X/2Y ø6/24	2476	-14442	SLD 15	8279	4203	34573	2.5	3.34	-5075	-11495	SLD 5	7889	4203	34169	2.5	1.55	Si
770	2X/2Y ø6/25	-2265	-4686	SLD 1	5773	3526	25956	2.5	2.55	-2529	-3280	SLD 5	5590	3526	25767	2.5	2.21	Si
741	2X/2Y ø6/25	-2265	-4801	SLD 1	5788	3526	25971	2.5	2.55	-2529	-3394	SLD 5	5605	3526	25782	2.5	2.22	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.587	214	0.611	0.22	0.603	SLV 5	No
320	0.589	216	0.613	0.22	0.606	SLV 5	No
290	0.591	217	0.614	0.221	0.607	SLV 5	No
260	0.593	219	0.617	0.222	0.609	SLV 5	No
230	0.595	220	0.618	0.222	0.611	SLV 5	No
200	0.596	221	0.619	0.223	0.612	SLV 5	No
170	0.598	223	0.621	0.224	0.614	SLV 5	No
140	0.6	224	0.622	0.224	0.615	SLV 5	No
110	0.602	226	0.625	0.225	0.618	SLV 5	No
80	0.604	227	0.626	0.225	0.619	SLV 5	No
50	0.605	229	0.628	0.226	0.621	SLV 5	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
20	0.607	231	0.63	0.227	0.624	SLV 5	No
-10	0.609	232	0.631	0.227	0.625	SLV 5	No
770	0.932	600	0.932	0.34	0.934	SLV 5	No
741	0.934	603	0.934	0.341	0.936	SLV 5	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.672	241	1.614	0.231	1.638	SLD 5	Si
320	1.676	242	1.617	0.232	1.641	SLD 5	Si
290	1.684	244	1.622	0.233	1.648	SLD 5	Si
260	1.688	246	1.627	0.233	1.654	SLD 5	Si
230	1.691	247	1.63	0.234	1.658	SLD 5	Si
200	1.699	250	1.638	0.235	1.664	SLD 5	Si
170	1.703	251	1.641	0.235	1.667	SLD 5	Si
140	1.707	252	1.644	0.236	1.67	SLD 5	Si
110	1.715	254	1.649	0.237	1.677	SLD 5	Si
80	1.719	256	1.654	0.238	1.683	SLD 5	Si
50	1.723	257	1.657	0.238	1.686	SLD 5	Si
20	1.73	260	1.665	0.239	1.693	SLD 5	Si
-10	1.734	261	1.667	0.239	1.696	SLD 5	Si
770	2.658	685	1.877	0.359	2.541	SLD 5	Si
741	2.664	689	1.883	0.359	2.546	SLD 5	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 9A

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2,3,4	-222252	263543	-10318	-875623	1038297	SLU 22	3.94	Si
420	18.1	2.3	0	2,3,4,5	147781	-160725	-6073	685753	-745818	SLU 19	4.64	Si
320	18.1	0.9	0	2,3,4	-180692	241766	-10512	-849810	1137044	SLU 22	4.703	Si
-10	18.1	1.8	0	1,2,3,4	356779	-1962	-15867	1797123	-9882	SLU 36	5.037	Si
449	18.1	2.3	0	2,3,4,5	126782	-137040	-5924	706297	-763442	SLU 19	5.571	Si
290	18.1	0.9	0	2,3,4	-140129	215600	-10188	-803242	1235857	SLU 19	5.732	Si
20	18.1	1.8	0	1,2,3,4	312898	23020	-15676	1849633	136079	SLU 36	5.911	Si
770	18.1	1.1	0	5	-107860	127624	-4258	-644859	763016	SLU 19	5.979	Si
50	18.1	1.8	0	1,2,3,4	267096	49096	-15476	1800095	330880	SLU 36	6.74	Si
478	18.1	2.3	0	2,3,4,5	105418	-112942	-5772	728695	-780706	SLU 19	6.912	Si
260	18.1	0.9	0	2,3,4	-98877	193868	-10385	-719198	1410132	SLU 19	7.274	Si
80	18.1	0.9	0	2,3,4	221878	74839	-15278	1651407	557017	SLU 36	7.443	Si
741	18.1	1.1	0	5	-86862	103939	-4407	-671925	804022	SLU 19	7.736	Si
110	18.1	0.9	0	2,3,4	176935	101338	-14968	1437712	823438	SLU 30	8.126	Si
140	18.1	0.9	0	2,3,4	132387	127249	-14771	1163700	1118535	SLU 30	8.79	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
350	18.1	0.9	0	2,3,4	-375090	1891552	-7414	-146063	736586	SLV 13	0.389				No
320	18.1	0.9	0	2,3,4	-325856	1735266	-7563	-139490	742822	SLV 13	0.428				No
290	18.1	0.9	0	2,3,4	-275910	1576332	-7715	-131375	750574	SLV 13	0.476				No
260	18.1	0.9	0	2,3,4	-226120	1417398	-7867	-121290	760291	SLV 13	0.536				No
230	18.1	0.9	0	2,3,4	-176522	1258464	-8019	-108403	772830	SLV 13	0.614				No
420	18.1	2.3	0	2,3,4,5	179758	-999329	-7318	119105	-662139	SLV 13	0.663				No
200	18.1	0.9	0	2,3,4	-127060	1099188	-8171	-91282	789674	SLV 13	0.718				No
449	18.1	2.3	0	2,3,4,5	154055	-851779	-7204	122062	-674890	SLV 13	0.792				No
770	18.1	1.1	0	5	-133120	797108	-5922	-110817	663562	SLV 13	0.832				No
170	18.1	0.9	0	2,3,4	-78129	940596	-8323	-67555	813303	SLV 13	0.865				No
478	18.1	2.3	0	2,3,4,5	127903	-701657	-7087	126560	-694292	SLV 13	0.99				No

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
741	18.1	1.1	0	5	-107415	649561	-6037	-113262	684919	SLV 13	1.054				Si
140	18.1	0.9	0	2,3,4	-29479	781664	-8475	-32025	849173	SLV 13	1.086				Si
508	18.1	1.1	0	5	101749	-551539	-6970	134046	-726606	SLV 13	1.317				Si
712	18.1	1.1	0	5	-81260	499444	-6154	-117591	722739	SLV 13	1.447				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2,3,4	-250302	959936	-8340	-210453	807110	SLD 13	0.841	No
320	18.1	0.9	0	2,3,4	-210390	880621	-8489	-196746	823510	SLD 13	0.935	No
290	18.1	0.9	0	2,3,4	-169857	799961	-8641	-179306	844463	SLD 13	1.056	Si
260	18.1	0.9	0	2,3,4	-129392	719301	-8793	-156796	871646	SLD 13	1.212	Si
420	18.1	2.3	0	2,3,4,5	127783	-519336	-6154	175979	-715216	SLD 13	1.377	Si
230	18.1	0.9	0	2,3,4	-89012	638642	-8945	-126601	908329	SLD 13	1.422	Si
449	18.1	2.3	0	2,3,4,5	109745	-442718	-6039	183273	-739338	SLD 13	1.67	Si
770	18.1	1.1	0	5	-91803	413494	-4758	-157894	711176	SLD 13	1.72	Si
200	18.1	0.9	0	2,3,4	-48654	557809	-9097	-83797	960727	SLD 13	1.722	Si
478	18.1	2.3	0	2,3,4,5	91391	-364764	-5922	194612	-776741	SLD 13	2.129	Si
170	18.1	0.9	0	2,3,4	-8609	477323	-9249	-18723	1038099	SLD 13	2.175	Si
741	18.1	1.1	0	5	-73764	336877	-4872	-164526	751378	SLD 13	2.23	Si
508	18.1	1.1	0	5	73038	-286811	-5806	212464	-834325	SLD 13	2.909	Si
140	18.1	0.9	0	2,3,4	31351	396664	-9400	91621	1159223	SLD 13	2.922	Si
712	18.1	1.1	0	5	-55410	258925	-4989	-176313	823893	SLD 13	3.182	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.366	81	0.41	0.139	0.382	SLV 13	No
320	0.412	103	0.453	0.156	0.43	SLV 13	No
290	0.468	133	0.503	0.177	0.486	SLV 13	No
260	0.536	177	0.565	0.202	0.554	SLV 13	No
230	0.621	242	0.642	0.232	0.636	SLV 13	No
420	0.637	256	0.657	0.237	0.652	SLV 13	No
200	0.73	345	0.743	0.27	0.741	SLV 13	No
449	0.779	397	0.787	0.287	0.788	SLV 13	No
770	0.818	442	0.822	0.3	0.825	SLV 13	No
170	0.875	515	0.876	0.32	0.879	SLV 13	No
478	0.988	691	0.988	0.36	0.988	SLV 13	No
741	1.059	817	1.058	0.384	1.056	SLV 13	Si
140	1.076	851	1.076	0.39	1.073	SLV 13	Si
508	1.32	1445	1.337	0.474	1.303	SLV 13	Si
712	1.457	1881	1.489	0.52	1.43	SLV 13	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.826	57	0.894	0.116	0.825	SLD 13	No
320	0.932	71	0.978	0.131	0.926	SLD 13	No
290	1.059	93	1.092	0.149	1.055	SLD 13	Si
260	1.211	122	1.221	0.17	1.204	SLD 13	Si
420	1.441	175	1.415	0.201	1.423	SLD 13	Si
230	1.404	165	1.382	0.195	1.385	SLD 13	Si
449	1.762	270	1.691	0.243	1.721	SLD 13	Si
770	1.852	301	1.768	0.255	1.805	SLD 13	Si
200	1.652	235	1.597	0.229	1.621	SLD 13	Si
478	2.236	455	2.094	0.304	2.154	SLD 13	Si
170	1.977	348	1.876	0.271	1.919	SLD 13	Si
741	2.389	529	2.228	0.323	2.291	SLD 13	Si
508	2.986	909	2.781	0.401	2.841	SLD 13	Si
140	1.83	551	2.265	0.329	2.329	SLD 13	Si
712	3.291	1173	3.088	0.44	3.119	SLD 13	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	864	-13392	SLU 30	8140	4203	34429	2.5	9.42	-1477	-12128	SLU 35	7973	4203	34256	2.5	5.4	Si
320	2X/2Y ø6/24	864	-13586	SLU 30	8166	4203	34456	2.5	9.45	-1477	-12322	SLU 35	7998	4203	34283	2.5	5.41	Si
290	2X/2Y ø6/24	864	-13784	SLU 30	8192	4203	34483	2.5	9.48	-1477	-12519	SLU 35	8025	4203	34310	2.5	5.43	Si
260	2X/2Y ø6/24	864	-13981	SLU 30	8218	4203	34510	2.5	9.51	-1477	-12717	SLU 35	8051	4203	34337	2.5	5.45	Si
230	2X/2Y ø6/24	864	-14179	SLU 30	8244	4203	34537	2.5	9.55	-1477	-12914	SLU 35	8077	4203	34364	2.5	5.47	Si
200	2X/2Y ø6/24	864	-14376	SLU 30	8270	4203	34564	2.5	9.58	-1477	-13112	SLU 35	8103	4203	34391	2.5	5.48	Si
170	2X/2Y ø6/24	864	-14573	SLU 30	8296	4203	34591	2.5	9.61	-1477	-13309	SLU 35	8129	4203	34418	2.5	5.5	Si
140	2X/2Y ø6/24	864	-14771	SLU 30	8322	4203	34618	2.5	9.64	-1477	-13507	SLU 35	8155	4203	34445	2.5	5.52	Si
110	2X/2Y ø6/24	864	-14968	SLU 30	8349	4203	34645	2.5	9.67	-1477	-13704	SLU 35	8181	4203	34472	2.5	5.54	Si
80	2X/2Y ø6/24	864	-15166	SLU 30	8375	4203	34672	2.5	9.7	-1477	-13901	SLU 35	8207	4203	34499	2.5	5.56	Si
50	2X/2Y ø6/24	864	-15363	SLU 30	8401	4203	34699	2.5	9.73	-1477	-14099	SLU 35	8234	4203	34526	2.5	5.57	Si
20	2X/2Y ø6/24	864	-15563	SLU 30	8427	4203	34726	2.5	9.76	-1477	-14299	SLU 35	8260	4203	34553	2.5	5.59	Si
-10	2X/2Y ø6/24	864	-15755	SLU 30	8453	4203	34753	2.5	9.79	-1477	-14491	SLU 35	8285	4203	34580	2.5	5.61	Si
770	2X/2Y ø6/25	1000	-5649	SLU 30	5898	3526	26085	2.5	5.9	-732	-4258	SLU 19	5717	3526	25898	2.5	7.81	Si
741	2X/2Y ø6/25	1000	-5798	SLU 30	5918	3526	26105	2.5	5.92	-732	-4407	SLU 19	5737	3526	25918	2.5	7.83	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	6301	-6466	SLV 13	6005	3526	26195	2.5	0.95	-4421	-1632	SLV 5	5376	3526	25545	2.5	1.22	No
741	2X/2Y ø6/25	6301	-6580	SLV 13	6020	3526	26211	2.5	0.96	-4421	-1747	SLV 5	5391	3526	25560	2.5	1.22	No
712	2X/2Y ø6/25	6301	-6697	SLV 13	6035	3526	26226	2.5	0.96	-4421	-1863	SLV 5	5406	3526	25576	2.5	1.22	No
683	2X/2Y ø6/25	6301	-6814	SLV 13	6050	3526	26242	2.5	0.96	-4421	-1980	SLV 5	5421	3526	25592	2.5	1.23	No
653	2X/2Y ø6/25	6301	-6930	SLV 13	6065	3526	26258	2.5	0.96	-4421	-2097	SLV 5	5436	3526	25607	2.5	1.23	No
624	2X/2Y ø6/25	6301	-7047	SLV 13	6080	3526	26274	2.5	0.97	-4421	-2213	SLV 5	5451	3526	25623	2.5	1.23	No
595	2X/2Y ø6/25	6301	-7164	SLV 13	6096	3526	26289	2.5	0.97	-4421	-2330	SLV 5	5467	3526	25639	2.5	1.24	No
566	2X/2Y ø6/25	6301	-7280	SLV 13	6111	3526	26305	2.5	0.97	-4421	-2447	SLV 5	5482	3526	25654	2.5	1.24	No
537	2X/2Y ø6/25	6301	-7397	SLV 13	6126	3526	26321	2.5	0.97	-4421	-2563	SLV 5	5497	3526	25670	2.5	1.24	No
508	2X/2Y ø6/25	6301	-7514	SLV 13	6141	3526	26336	2.5	0.97	-4421	-2680	SLV 5	5512	3526	25686	2.5	1.25	No
478	2X/2Y ø6/25	6301	-7630	SLV 13	6156	3526	26352	2.5	0.98	-4421	-2797	SLV 5	5527	3526	25701	2.5	1.25	No
449	2X/2Y ø6/25	6301	-7747	SLV 13	6171	3526	26368	2.5	0.98	-4421	-2913	SLV 5	5542	3526	25717	2.5	1.25	No
420	2X/2Y ø6/25	6301	-7862	SLV 13	6186	3526	26383	2.5	0.98	-4421	-3028	SLV 5	5557	3526	25733	2.5	1.26	No
350	2X/2Y ø6/24	6515	-6982	SLV 13	7292	4203	33552	2.5	1.12	-2985	-8239	SLV 5	7458	4203	33724	2.5	2.5	Si
320	2X/2Y ø6/24	6515	-7132	SLV 13	7312	4203	33572	2.5	1.12	-2985	-8388	SLV 5	7478	4203	33744	2.5	2.51	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	2673	-4758	SLD 13	5782	3526	25965	2.5	2.16	-1821	-3060	SLD 5	5562	3526	25737	2.5	3.05	Si
741	2X/2Y ø6/25	2673	-4872	SLD 13	5797	3526	25981	2.5	2.17	-1821	-3175	SLD 5	5577	3526	25752	2.5	3.06	Si
712	2X/2Y ø6/25	2673	-4989	SLD 13	5813	3526	25997	2.5	2.17	-1821	-3292	SLD 5	5592	3526	25768	2.5	3.07	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
683	2X/2Y ø6/25	2673	-5106	SLD 13	5828	3526	26012	2.5	2.18	-1821	-3408	SLD 5	5607	3526	25784	2.5	3.08	Si
653	2X/2Y ø6/25	2673	-5222	SLD 13	5843	3526	26028	2.5	2.19	-1821	-3525	SLD 5	5622	3526	25800	2.5	3.09	Si
624	2X/2Y ø6/25	2673	-5339	SLD 13	5858	3526	26044	2.5	2.19	-1821	-3642	SLD 5	5637	3526	25815	2.5	3.1	Si
595	2X/2Y ø6/25	2673	-5456	SLD 13	5873	3526	26059	2.5	2.2	-1821	-3758	SLD 5	5652	3526	25831	2.5	3.1	Si
566	2X/2Y ø6/25	2673	-5572	SLD 13	5888	3526	26075	2.5	2.2	-1821	-3875	SLD 5	5668	3526	25847	2.5	3.11	Si
537	2X/2Y ø6/25	2673	-5689	SLD 13	5904	3526	26091	2.5	2.21	-1821	-3992	SLD 5	5683	3526	25862	2.5	3.12	Si
508	2X/2Y ø6/25	2673	-5806	SLD 13	5919	3526	26107	2.5	2.21	-1821	-4108	SLD 5	5698	3526	25878	2.5	3.13	Si
478	2X/2Y ø6/25	2673	-5922	SLD 13	5934	3526	26122	2.5	2.22	-1821	-4225	SLD 5	5713	3526	25894	2.5	3.14	Si
449	2X/2Y ø6/25	2673	-6039	SLD 13	5949	3526	26138	2.5	2.23	-1821	-4342	SLD 5	5728	3526	25909	2.5	3.15	Si
420	2X/2Y ø6/25	2673	-6154	SLD 13	5964	3526	26153	2.5	2.23	-1821	-4456	SLD 5	5743	3526	25925	2.5	3.15	Si
350	2X/2Y ø6/24	2689	-8340	SLD 13	7471	4203	33738	2.5	2.78	-1763	-8781	SLD 5	7530	4203	33798	2.5	4.27	Si
320	2X/2Y ø6/24	2689	-8489	SLD 13	7491	4203	33758	2.5	2.79	-1763	-8931	SLD 5	7550	4203	33819	2.5	4.28	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.943	618	0.944	0.344	0.945	SLV 13	No
741	0.945	621	0.945	0.345	0.947	SLV 13	No
712	0.949	627	0.949	0.346	0.951	SLV 13	No
683	0.953	633	0.953	0.347	0.954	SLV 13	No
653	0.955	637	0.955	0.348	0.957	SLV 13	No
624	0.957	640	0.957	0.349	0.958	SLV 13	No
595	0.961	646	0.961	0.35	0.962	SLV 13	No
566	0.965	652	0.965	0.351	0.966	SLV 13	No
537	0.967	656	0.967	0.352	0.968	SLV 13	No
508	0.969	659	0.969	0.353	0.97	SLV 13	No
478	0.973	665	0.972	0.354	0.973	SLV 13	No
449	0.975	668	0.974	0.355	0.975	SLV 13	No
420	0.979	675	0.978	0.356	0.979	SLV 13	No
350	1.125	948	1.125	0.408	1.12	SLV 13	Si
320	1.129	956	1.128	0.409	1.124	SLV 13	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	2.688	703	2.503	0.362	2.567	SLD 13	Si
741	2.699	710	2.513	0.364	2.577	SLD 13	Si
712	2.705	715	2.521	0.365	2.584	SLD 13	Si
683	2.711	718	2.525	0.365	2.589	SLD 13	Si
653	2.723	725	2.535	0.367	2.598	SLD 13	Si
624	2.729	730	2.542	0.368	2.605	SLD 13	Si
595	2.734	733	2.546	0.368	2.61	SLD 13	Si
566	2.746	741	2.558	0.37	2.621	SLD 13	Si
537	2.752	745	2.563	0.371	2.626	SLD 13	Si
508	2.764	753	2.575	0.372	2.637	SLD 13	Si
478	2.77	756	2.579	0.373	2.642	SLD 13	Si
449	2.781	764	2.59	0.374	2.653	SLD 13	Si
420	2.787	769	2.597	0.375	2.659	SLD 13	Si
350	3.203	1091	2.997	0.429	3.04	SLD 13	Si
320	3.215	1102	3.01	0.431	3.051	SLD 13	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 10

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	182598	-222317	-7126	630218	-767304	SLU 29	3.451	Si
350	18.1	0.9	0	2,3,4	-212848	255161	-8136	-825262	989320	SLU 19	3.877	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
449	18.1	2.3	0	2,3,4,5	155297	-190173	-6977	645772	-790796	SLU 29	4.158	Si
770	18.1	1.1	0	5	-150151	170738	-5526	-653890	743542	SLU 30	4.355	Si
320	18.1	0.9	0	2,3,4	-176699	240380	-8330	-787525	1071342	SLU 19	4.457	Si
-10	18.1	1.8	0	1,2,3,4	312727	102866	-14476	1557378	512271	SLU 36	4.98	Si
478	18.1	2.3	0	2,3,4,5	127520	-157468	-6825	664405	-820440	SLU 29	5.21	Si
290	18.1	0.9	0	2,3,4	-139938	225349	-8528	-736512	1186039	SLU 19	5.263	Si
20	18.1	1.8	0	1,2,3,4	271708	118146	-14284	1485071	645748	SLU 36	5.466	Si
741	18.1	1.1	0	5	-122853	138285	-5675	-686527	772762	SLU 30	5.588	Si
50	18.1	1.8	0	1,2,3,4	228893	134094	-14084	1374652	805323	SLU 36	6.006	Si
260	18.1	0.9	0	2,3,4	-103177	210317	-8725	-654214	1333558	SLU 19	6.341	Si
80	18.1	0.9	0	2,3,4	186623	149839	-13887	1233592	990446	SLU 36	6.61	Si
508	18.1	1.1	0	5	99743	-124763	-6674	684438	-856127	SLU 29	6.862	Si
110	18.1	0.9	0	2,3,4	144354	165584	-13690	1045684	1199475	SLU 36	7.244	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
350	18.1	0.9	0	2,3,4	-434562	1893651	147	-157229	685144	SLV 13	0.362				No
320	18.1	0.9	0	2,3,4	-394994	1740555	-3	-155704	686114	SLV 13	0.394				No
290	18.1	0.9	0	2,3,4	-354929	1584881	-155	-153918	687296	SLV 13	0.434				No
260	18.1	0.9	0	2,3,4	-315046	1429230	-306	-151819	688738	SLV 13	0.482				No
230	18.1	0.9	0	2,3,4	-275355	1273609	-458	-149295	690541	SLV 13	0.542				No
420	18.1	2.3	0	2,3,4,5	511118	-1076760	-2351	286315	-603173	SLV 13	0.56				No
200	18.1	0.9	0	2,3,4	-235780	1117699	-611	-146160	692862	SLV 13	0.62				No
449	18.1	2.3	0	2,3,4,5	439218	-919131	-2236	289282	-605366	SLV 13	0.659				No
770	18.1	1.1	0	5	-364319	842331	-955	-257246	594771	SLV 13	0.706				No
170	18.1	0.9	0	2,3,4	-196591	962530	-762	-142142	695942	SLV 13	0.723				No
478	18.1	2.3	0	2,3,4,5	366066	-758753	-2120	293602	-608556	SLV 13	0.802				No
140	18.1	0.9	0	2,3,4	-157536	807140	-914	-136674	700257	SLV 13	0.868				No
741	18.1	1.1	0	5	-292424	684704	-1070	-255702	598719	SLV 13	0.874				No
508	18.1	1.1	0	5	292916	-598377	-2003	300300	-613462	SLV 13	1.025				Si
110	18.1	0.9	0	2,3,4	-118708	651954	-1066	-128680	706719	SLV 13	1.084				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2,3,4	-278422	956362	-4371	-216657	744201	SLD 13	0.778	No
320	18.1	0.9	0	2,3,4	-244174	882076	-4520	-208236	752251	SLD 13	0.853	No
290	18.1	0.9	0	2,3,4	-209420	806538	-4672	-197907	762198	SLD 13	0.945	No
260	18.1	0.9	0	2,3,4	-174745	731010	-4824	-185157	774563	SLD 13	1.06	Si
420	18.1	2.3	0	2,3,4,5	304694	-566645	-3865	345714	-642931	SLD 13	1.135	Si
230	18.1	0.9	0	2,3,4	-140153	655496	-4976	-168987	790351	SLD 13	1.206	Si
449	18.1	2.3	0	2,3,4,5	261162	-483842	-3751	351699	-651575	SLD 13	1.347	Si
200	18.1	0.9	0	2,3,4	-105574	579839	-5128	-147707	811245	SLD 13	1.399	Si
770	18.1	1.1	0	5	-225322	441455	-2469	-323752	634300	SLD 13	1.437	Si
478	18.1	2.3	0	2,3,4,5	216872	-399595	-3634	360666	-664542	SLD 13	1.663	Si
170	18.1	0.9	0	2,3,4	-71236	504538	-5280	-118602	840013	SLD 13	1.665	Si
741	18.1	1.1	0	5	-181792	358653	-2584	-329353	649771	SLD 13	1.812	Si
140	18.1	0.9	0	2,3,4	-36919	429126	-5431	-75921	882457	SLD 13	2.056	Si
508	18.1	1.1	0	5	172582	-315349	-3517	373439	-682361	SLD 13	2.164	Si
712	18.1	1.1	0	5	-137506	274407	-2701	-338708	675925	SLD 13	1.863	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.335	68	0.382	0.127	0.349	SLV 13	No
320	0.372	84	0.416	0.141	0.389	SLV 13	No
290	0.417	105	0.456	0.158	0.434	SLV 13	No
260	0.471	135	0.506	0.178	0.489	SLV 13	No
230	0.536	177	0.565	0.202	0.554	SLV 13	No
420	0.517	163	0.546	0.194	0.534	SLV 13	No
200	0.619	240	0.64	0.231	0.634	SLV 13	No
449	0.629	249	0.65	0.234	0.644	SLV 13	No
770	0.678	293	0.695	0.251	0.691	SLV 13	No
170	0.727	341	0.739	0.268	0.738	SLV 13	No
478	0.789	408	0.796	0.29	0.797	SLV 13	No
140	0.873	512	0.874	0.319	0.877	SLV 13	No
741	0.865	501	0.866	0.316	0.869	SLV 13	No
508	1.027	760	1.027	0.373	1.026	SLV 13	Si
110	1.078	855	1.078	0.391	1.075	SLV 13	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.758	48	0.833	0.107	0.755	SLD 13	No
320	0.84	59	0.906	0.119	0.841	SLD 13	No
290	0.941	74	0.995	0.133	0.941	SLD 13	No
260	1.063	93	1.092	0.149	1.055	SLD 13	Si
420	1.168	113	1.183	0.164	1.161	SLD 13	Si
230	1.211	122	1.221	0.17	1.204	SLD 13	Si
449	1.422	169	1.395	0.198	1.402	SLD 13	Si
200	1.4	164	1.378	0.195	1.381	SLD 13	Si
770	1.531	199	1.492	0.213	1.508	SLD 13	Si
478	1.781	277	1.709	0.245	1.739	SLD 13	Si
170	1.645	233	1.592	0.228	1.615	SLD 13	Si
741	1.957	340	1.858	0.268	1.9	SLD 13	Si
140	1.973	345	1.87	0.27	1.914	SLD 13	Si
508	2.318	493	2.164	0.314	2.228	SLD 13	Si
712	2.623	664	1.845	0.354	2.508	SLD 13	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	1132	-5526	SLU 30	5882	3526	26069	2.5	5.2	-958	-3877	SLU 19	5668	3526	25847	2.5	5.91	Si
741	2X/2Y ø6/25	1132	-5675	SLU 30	5902	3526	26089	2.5	5.21	-958	-4026	SLU 19	5687	3526	25867	2.5	5.93	Si
712	2X/2Y ø6/25	1132	-5826	SLU 30	5922	3526	26109	2.5	5.23	-958	-4178	SLU 19	5707	3526	25887	2.5	5.95	Si
683	2X/2Y ø6/25	1132	-5978	SLU 30	5941	3526	26130	2.5	5.25	-958	-4329	SLU 19	5727	3526	25908	2.5	5.97	Si
653	2X/2Y ø6/25	1132	-6130	SLU 30	5961	3526	26150	2.5	5.27	-958	-4481	SLU 19	5746	3526	25928	2.5	6	Si
624	2X/2Y ø6/25	1132	-6281	SLU 30	5981	3526	26171	2.5	5.28	-958	-4633	SLU 19	5766	3526	25949	2.5	6.02	Si
595	2X/2Y ø6/25	1132	-6433	SLU 30	6000	3526	26191	2.5	5.3	-958	-4784	SLU 19	5786	3526	25969	2.5	6.04	Si
566	2X/2Y ø6/25	1132	-6585	SLU 30	6020	3526	26211	2.5	5.32	-958	-4936	SLU 19	5806	3526	25989	2.5	6.06	Si
537	2X/2Y ø6/25	1132	-6736	SLU 30	6040	3526	26232	2.5	5.34	-958	-5088	SLU 19	5825	3526	26010	2.5	6.08	Si
508	2X/2Y ø6/25	1132	-6888	SLU 30	6060	3526	26252	2.5	5.35	-958	-5239	SLU 19	5845	3526	26030	2.5	6.1	Si
478	2X/2Y ø6/25	1132	-7040	SLU 30	6079	3526	26273	2.5	5.37	-958	-5391	SLU 19	5865	3526	26051	2.5	6.12	Si
449	2X/2Y ø6/25	1132	-7191	SLU 30	6099	3526	26293	2.5	5.39	-958	-5543	SLU 19	5885	3526	26071	2.5	6.14	Si
420	2X/2Y ø6/25	1132	-7340	SLU 30	6119	3526	26313	2.5	5.4	-958	-5692	SLU 19	5904	3526	26091	2.5	6.16	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	501	-8136	SLU 19	7444	4203	33710	2.5	14.86	-1409	-12113	SLU 36	7971	4203	34254	2.5	5.66	Si
320	2X/2Y ø6/24	501	-8330	SLU 19	7470	4203	33736	2.5	14.91	-1409	-12307	SLU 36	7996	4203	34281	2.5	5.68	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	6716	-249	SLV 13	5196	3526	25359	2.5	0.77	-4348	-1027	SLV 9	5297	3526	25463	2.5	1.22	No
741	2X/2Y ø6/25	6716	-363	SLV 13	5211	3526	25374	2.5	0.78	-4348	-1141	SLV 9	5312	3526	25479	2.5	1.22	No
712	2X/2Y ø6/25	6716	-480	SLV 13	5226	3526	25390	2.5	0.78	-4348	-1258	SLV 9	5327	3526	25494	2.5	1.23	No
683	2X/2Y ø6/25	6716	-597	SLV 13	5241	3526	25405	2.5	0.78	-4348	-1375	SLV 9	5342	3526	25510	2.5	1.23	No
653	2X/2Y ø6/25	6716	-713	SLV 13	5256	3526	25421	2.5	0.78	-4348	-1491	SLV 9	5357	3526	25526	2.5	1.23	No
624	2X/2Y ø6/25	6716	-830	SLV 13	5271	3526	25437	2.5	0.78	-4348	-1608	SLV 9	5373	3526	25541	2.5	1.24	No
595	2X/2Y ø6/25	6716	-947	SLV 13	5287	3526	25452	2.5	0.79	-4348	-1725	SLV 9	5388	3526	25557	2.5	1.24	No
566	2X/2Y ø6/25	6716	-1063	SLV 13	5302	3526	25468	2.5	0.79	-4348	-1841	SLV 9	5403	3526	25573	2.5	1.24	No
537	2X/2Y ø6/25	6716	-1180	SLV 13	5317	3526	25484	2.5	0.79	-4348	-1958	SLV 9	5418	3526	25589	2.5	1.25	No
508	2X/2Y ø6/25	6716	-1297	SLV 13	5332	3526	25500	2.5	0.79	-4348	-2075	SLV 9	5433	3526	25604	2.5	1.25	No
478	2X/2Y ø6/25	6716	-1413	SLV 13	5347	3526	25515	2.5	0.8	-4348	-2191	SLV 9	5449	3526	25620	2.5	1.25	No
449	2X/2Y ø6/25	6716	-1530	SLV 13	5363	3526	25531	2.5	0.8	-4348	-2308	SLV 9	5464	3526	25636	2.5	1.26	No
420	2X/2Y ø6/25	6716	-1645	SLV 13	5377	3526	25546	2.5	0.8	-4348	-2423	SLV 9	5479	3526	25651	2.5	1.26	No
350	2X/2Y ø6/24	6439	2253	SLV 13	6368	4203	32596	2.5	0.99	-2112	3900	SLV 9	6368	4203	32596	2.5	3.01	No
290	2X/2Y ø6/24	6439	1952	SLV 13	6368	4203	32596	2.5	0.99	-2112	3599	SLV 9	6368	4203	32596	2.5	3.01	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	2889	-2469	SLD 13	5485	3526	25657	2.5	1.9	-2001	-2743	SLD 9	5520	3526	25694	2.5	2.76	Si
741	2X/2Y ø6/25	2889	-2584	SLD 13	5500	3526	25673	2.5	1.9	-2001	-2857	SLD 9	5535	3526	25710	2.5	2.77	Si
712	2X/2Y ø6/25	2889	-2701	SLD 13	5515	3526	25689	2.5	1.91	-2001	-2974	SLD 9	5550	3526	25725	2.5	2.77	Si
683	2X/2Y ø6/25	2889	-2817	SLD 13	5530	3526	25704	2.5	1.91	-2001	-3091	SLD 9	5566	3526	25741	2.5	2.78	Si
653	2X/2Y ø6/25	2889	-2934	SLD 13	5545	3526	25720	2.5	1.92	-2001	-3207	SLD 9	5581	3526	25757	2.5	2.79	Si
624	2X/2Y ø6/25	2889	-3051	SLD 13	5560	3526	25736	2.5	1.92	-2001	-3324	SLD 9	5596	3526	25772	2.5	2.8	Si
595	2X/2Y ø6/25	2889	-3167	SLD 13	5576	3526	25751	2.5	1.93	-2001	-3441	SLD 9	5611	3526	25788	2.5	2.8	Si
566	2X/2Y ø6/25	2889	-3284	SLD 13	5591	3526	25767	2.5	1.94	-2001	-3557	SLD 9	5626	3526	25804	2.5	2.81	Si
537	2X/2Y ø6/25	2889	-3401	SLD 13	5606	3526	25783	2.5	1.94	-2001	-3674	SLD 9	5641	3526	25820	2.5	2.82	Si
508	2X/2Y ø6/25	2889	-3517	SLD 13	5621	3526	25798	2.5	1.95	-2001	-3791	SLD 9	5657	3526	25835	2.5	2.83	Si
478	2X/2Y ø6/25	2889	-3634	SLD 13	5636	3526	25814	2.5	1.95	-2001	-3907	SLD 9	5672	3526	25851	2.5	2.83	Si
449	2X/2Y ø6/25	2889	-3751	SLD 13	5651	3526	25830	2.5	1.96	-2001	-4024	SLD 9	5687	3526	25867	2.5	2.84	Si
420	2X/2Y ø6/25	2889	-3865	SLD 13	5666	3526	25845	2.5	1.96	-2001	-4139	SLD 9	5702	3526	25882	2.5	2.85	Si
350	2X/2Y ø6/24	2519	-4371	SLD 13	6946	4203	33194	2.5	2.76	-1402	-3792	SLD 9	6870	4203	33115	2.5	4.9	Si
320	2X/2Y ø6/24	2519	-4520	SLD 13	6966	4203	33215	2.5	2.76	-1402	-3942	SLD 9	6889	4203	33136	2.5	4.91	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.76	376	0.77	0.28	0.769	SLV 13	No
741	0.763	379	0.772	0.281	0.772	SLV 13	No
712	0.766	382	0.775	0.282	0.775	SLV 13	No
683	0.768	384	0.776	0.283	0.776	SLV 13	No
653	0.77	386	0.778	0.283	0.778	SLV 13	No
624	0.771	388	0.78	0.284	0.78	SLV 13	No
595	0.775	393	0.784	0.285	0.784	SLV 13	No
566	0.777	395	0.785	0.286	0.786	SLV 13	No
537	0.779	397	0.787	0.287	0.788	SLV 13	No
508	0.781	399	0.789	0.287	0.789	SLV 13	No
478	0.784	402	0.791	0.288	0.792	SLV 13	No
449	0.787	406	0.794	0.289	0.795	SLV 13	No
420	0.789	408	0.796	0.29	0.797	SLV 13	No
350	0.988	691	0.988	0.36	0.988	SLV 13	No
290	0.988	691	0.988	0.36	0.988	SLV 13	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	2.166	424	2.034	0.295	2.091	SLD 13	Si
741	2.172	426	2.038	0.296	2.096	SLD 13	Si
712	2.178	429	2.044	0.296	2.1	SLD 13	Si
683	2.187	433	2.052	0.298	2.11	SLD 13	Si
653	2.195	437	2.06	0.299	2.117	SLD 13	Si
624	2.201	439	2.064	0.299	2.122	SLD 13	Si
595	2.207	441	2.067	0.3	2.126	SLD 13	Si
566	2.213	444	2.073	0.301	2.133	SLD 13	Si
537	2.219	447	2.079	0.302	2.138	SLD 13	Si
508	2.228	450	2.085	0.303	2.145	SLD 13	Si
478	2.236	455	2.094	0.304	2.154	SLD 13	Si
449	2.242	457	2.098	0.305	2.159	SLD 13	Si
420	2.248	460	2.104	0.306	2.166	SLD 13	Si
350	2.816	788	2.623	0.379	2.685	SLD 13	Si
320	2.816	788	2.623	0.379	2.685	SLD 13	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 11

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x65	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
420	770	R 40x60	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.1	17.2	-27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.1	17.2	27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.1	-17.2	27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.2	-17.2	-27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.3	17.2	-27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.3	-17.2	27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.4	17.2	27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.5	-12.2	-22.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1
p.5	17.2	-22.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1
p.5	17.2	27.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1
p.5	-12.2	27.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.2	0	1,2,3,4	1293678	-3345	-30839	2641285	-6829	SLU 19	2.042	Si
20	18.1	1.2	0	1,2,3,4	1146468	18246	-30562	2913371	46365	SLU 19	2.541	Si
50	18.1	1.2	0	1,2,3,4	1003321	41703	-31046	3241851	134749	SLU 22	3.231	Si
80	18.1	0.6	0	2,3,4	849630	64460	-30761	3461687	262633	SLU 22	4.074	Si
350	18.1	0.6	0	2,3,4	-528844	272919	-29046	-2471850	1275643	SLU 26	4.674	Si
110	18.1	0.6	0	2,3,4	696852	88459	-31323	3500229	444323	SLU 26	5.023	Si
140	18.1	0.6	0	2,3,4	522416	123206	-36190	3050658	719462	SLU 36	5.84	Si
320	18.1	0.6	0	2,3,4	-377871	250199	-29327	-2251866	1491024	SLU 26	5.959	Si
170	18.1	0.6	0	2,3,4	387866	148653	-35905	2547130	976207	SLU 36	6.567	Si
290	18.1	0.6	0	2,3,4	-150333	250440	-34764	-1062904	1770691	SLU 36	7.07	Si
200	18.1	0.6	0	2,3,4	256300	173490	-35530	1866481	1263427	SLU 30	7.282	Si
260	18.1	0.6	0	2,3,4	-15783	224993	-35049	-120551	1718463	SLU 36	7.638	Si
230	18.1	0.6	0	2,3,4	127791	198880	-35245	979660	1524634	SLU 30	7.666	Si
770	18.1	0.8	0	5	-145877	62600	-10753	-2106921	904133	SLU 19	14.443	Si
420	18.1	1.5	0	2,3,4,5	-20241	-72360	-16554	-294999	-1054589	SLU 36	14.574	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.2	0	1,2,3,4	5729900	-11298	-20686	1163591	-2294	SLV 9	0.203				No
20	18.1	1.2	0	1,2,3,4	4980377	82245	-20473	1181401	19509	SLV 9	0.237				No
50	18.1	1.2	0	1,2,3,4	4198071	210262	-20251	1207142	60460	SLV 9	0.288				No
350	18.1	0.6	0	2,3,4	-1794355	2744761	-27792	-556511	851275	SLV 13	0.31				No
320	18.1	0.6	0	2,3,4	-1386900	2511847	-28008	-482122	873182	SLV 13	0.348				No
80	18.1	0.6	0	2,3,4	3425767	337058	-20032	1245698	122563	SLV 9	0.364				No
290	18.1	0.6	0	2,3,4	-972625	2274985	-28227	-385427	901520	SLV 13	0.396				No
260	18.1	0.6	0	2,3,4	-558599	2038125	-28447	-257310	938830	SLV 13	0.461				No
110	18.1	0.6	0	2,3,4	2653536	463920	-19812	1310846	229176	SLV 9	0.494				No
420	18.1	1.5	0	2,3,4,5	463417	-1417371	-13756	234541	-717348	SLV 13	0.506				No
230	18.1	0.6	0	2,3,4	-146221	1801264	-28666	-80374	990108	SLV 13	0.55				No
449	18.1	1.5	0	2,3,4,5	383813	-1205649	-13584	235048	-738343	SLV 13	0.612				No
770	18.1	0.8	0	5	-557523	1160625	-11662	-345094	718401	SLV 13	0.619				No
200	18.1	0.6	0	2,3,4	289728	1563895	-28886	194949	1052295	SLV 13	0.673				No
140	18.1	0.6	0	2,3,4	1881475	590806	-19593	1421400	446337	SLV 9	0.755				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.2	0	1,2,3,4	3053481	-6441	-24002	1339610	-2826	SLD 9	0.439	No
20	18.1	1.2	0	1,2,3,4	2664559	44921	-23789	1391165	23453	SLD 9	0.522	No
50	18.1	1.2	0	1,2,3,4	2258624	111977	-23567	1467233	72742	SLD 9	0.65	No
350	18.1	0.6	0	2,3,4	-982416	1336093	-25674	-759134	1032428	SLD 13	0.773	No
80	18.1	0.6	0	2,3,4	1857875	178359	-23347	1593200	152950	SLD 9	0.858	No
320	18.1	0.6	0	2,3,4	-744042	1222923	-25890	-669532	1100456	SLD 13	0.9	No
290	18.1	0.6	0	2,3,4	-501665	1107835	-26109	-540388	1193348	SLD 13	1.077	Si
110	18.1	0.6	0	2,3,4	1457157	244771	-23128	1795716	301642	SLD 9	1.232	Si
420	18.1	1.5	0	2,3,4,5	214141	-657661	-12393	279185	-857421	SLD 13	1.304	Si
260	18.1	0.6	0	2,3,4	-259397	992747	-26329	-342305	1310050	SLD 13	1.32	Si
770	18.1	0.8	0	5	-286541	540719	-10299	-453775	856300	SLD 13	1.584	Si
449	18.1	1.5	0	2,3,4,5	174882	-559241	-12221	285449	-912817	SLD 13	1.632	Si
230	18.1	0.6	0	2,3,4	-17846	877660	-26548	-30422	1496137	SLD 13	1.705	Si
140	18.1	0.6	0	2,3,4	1056511	311194	-22909	2059586	606648	SLD 9	1.949	Si
741	18.1	0.8	0	5	-246905	442304	-10471	-521953	935022	SLD 13	2.114	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.17	18	0.221	0.063	0.174	SLV 9	No
20	0.218	29	0.269	0.081	0.223	SLV 9	No
50	0.286	51	0.339	0.109	0.301	SLV 9	No
350	0.354	76	0.4	0.135	0.37	SLV 13	No
320	0.406	100	0.447	0.154	0.424	SLV 13	No
80	0.384	89	0.426	0.146	0.4	SLV 9	No
290	0.47	134	0.504	0.177	0.487	SLV 13	No
260	0.541	180	0.569	0.203	0.558	SLV 13	No
110	0.532	174	0.561	0.2	0.55	SLV 9	No
420	0.551	187	0.578	0.207	0.568	SLV 13	No
230	0.633	252	0.653	0.236	0.648	SLV 13	No
449	0.655	272	0.674	0.244	0.669	SLV 13	No
770	0.651	269	0.671	0.242	0.666	SLV 13	No
200	0.746	361	0.757	0.275	0.756	SLV 13	No
140	0.787	406	0.794	0.289	0.795	SLV 9	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.384	12	0.472	0.051	0.363	SLD 9	No
20	0.492	19	0.57	0.066	0.471	SLD 9	No
50	0.646	35	0.732	0.09	0.638	SLD 9	No
350	0.801	54	0.874	0.113	0.799	SLD 13	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
80	0.867	62	0.925	0.122	0.865	SLD 9	No
320	0.918	70	0.972	0.13	0.919	SLD 13	No
290	1.061	93	1.092	0.149	1.055	SLD 13	Si
110	1.203	120	1.213	0.168	1.193	SLD 9	Si
420	1.244	129	1.249	0.174	1.235	SLD 13	Si
260	1.223	124	1.229	0.171	1.214	SLD 13	Si
770	1.473	183	1.442	0.205	1.452	SLD 13	Si
449	1.482	185	1.448	0.206	1.46	SLD 13	Si
230	1.43	172	1.405	0.199	1.411	SLD 13	Si
140	1.777	275	1.704	0.245	1.736	SLD 9	Si
741	1.844	298	1.761	0.253	1.796	SLD 13	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	848	-34198	SLU 36	13723	4223	51765	2.5	16.18	-5123	-28199	SLU 22	12382	6351	53036	2.5	1.82	Si
320	2X/2Y ø6/23.9	848	-34479	SLU 36	13761	4223	51803	2.5	16.22	-5123	-28479	SLU 22	12420	6351	53076	2.5	1.82	Si
290	2X/2Y ø6/23.9	848	-34764	SLU 36	13798	4223	51842	2.5	16.27	-5123	-28764	SLU 22	12460	6351	53117	2.5	1.83	Si
260	2X/2Y ø6/23.9	848	-35049	SLU 36	13836	4223	51881	2.5	16.31	-5123	-29050	SLU 22	12499	6351	53157	2.5	1.84	Si
230	2X/2Y ø6/23.9	848	-35334	SLU 36	13874	4223	51920	2.5	16.36	-5123	-29335	SLU 22	12538	6351	53198	2.5	1.85	Si
200	2X/2Y ø6/23.9	848	-35620	SLU 36	13912	4223	51959	2.5	16.4	-5123	-29621	SLU 22	12578	6351	53239	2.5	1.86	Si
170	2X/2Y ø6/23.9	848	-35905	SLU 36	13949	4223	51998	2.5	16.45	-5123	-29905	SLU 22	12617	6351	53279	2.5	1.86	Si
140	2X/2Y ø6/23.9	848	-36190	SLU 36	13987	4223	52037	2.5	16.49	-5123	-30190	SLU 22	12656	6351	53320	2.5	1.87	Si
110	2X/2Y ø6/23.9	848	-36475	SLU 36	14025	4223	52076	2.5	16.53	-5123	-30476	SLU 22	12695	6351	53360	2.5	1.88	Si
80	2X/2Y ø6/23.9	848	-36760	SLU 36	14063	4223	52115	2.5	16.58	-5123	-30761	SLU 22	12735	6351	53401	2.5	1.89	Si
50	2X/2Y ø6/23.9	848	-37045	SLU 36	14100	4223	52154	2.5	16.62	-5123	-31046	SLU 22	12774	6351	53442	2.5	1.89	Si
20	2X/2Y ø6/23.9	848	-37334	SLU 36	14138	4223	52194	2.5	16.67	-5123	-31335	SLU 22	12814	6351	53483	2.5	2.5	Si
-10	2X/2Y ø6/23.9	848	-37611	SLU 36	14175	4223	52232	2.5	16.71	-5123	-31612	SLU 22	12852	6351	53522	2.5	2.51	Si
770	2X/2Y ø6/24.8	397	-11415	SLU 22	9231	3562	39524	2.5	23.24	-676	-10753	SLU 19	8561	5615	41443	2.5	12.66	Si
741	2X/2Y ø6/24.8	397	-11639	SLU 22	9260	3562	39554	2.5	23.31	-676	-10976	SLU 19	8592	5615	41474	2.5	12.71	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	9789	-28782	SLV 13	13007	4223	51023	2.5	1.33	-31523	-16520	SLV 9	10773	6351	51372	2.5	0.34	No
320	2X/2Y ø6/23.9	9789	-28997	SLV 13	13035	4223	51053	2.5	1.33	-31523	-16736	SLV 9	10803	6351	51402	2.5	0.34	No
290	2X/2Y ø6/23.9	9789	-29217	SLV 13	13064	4223	51083	2.5	1.33	-31523	-16956	SLV 9	10833	6351	51434	2.5	0.34	No
260	2X/2Y ø6/23.9	9789	-29436	SLV 13	13093	4223	51113	2.5	1.34	-31523	-17175	SLV 9	10863	6351	51465	2.5	0.34	No
230	2X/2Y ø6/23.9	9789	-29656	SLV 13	13122	4223	51143	2.5	1.34	-31523	-17394	SLV 9	10893	6351	51496	2.5	0.35	No
200	2X/2Y ø6/23.9	9789	-29875	SLV 13	13151	4223	51173	2.5	1.34	-31523	-17614	SLV 9	10923	6351	51527	2.5	0.35	No
170	2X/2Y ø6/23.9	9789	-30094	SLV 13	13180	4223	51203	2.5	1.35	-31523	-17833	SLV 9	10954	6351	51559	2.5	0.35	No
140	2X/2Y ø6/23.9	9789	-30314	SLV 13	13209	4223	51233	2.5	1.35	-31523	-18052	SLV 9	10984	6351	51590	2.5	0.35	No
110	2X/2Y ø6/23.9	9789	-30533	SLV 13	13238	4223	51263	2.5	1.35	-31523	-18272	SLV 9	11014	6351	51621	2.5	0.35	No
80	2X/2Y ø6/23.9	9789	-30752	SLV 13	13267	4223	51293	2.5	1.36	-31523	-18491	SLV 9	11044	6351	51652	2.5	0.35	No
50	2X/2Y ø6/23.9	9789	-30972	SLV 13	13297	4223	51323	2.5	1.36	-31523	-18711	SLV 9	11075	6351	51684	2.5	0.35	No
20	2X/2Y ø6/23.9	9789	-31194	SLV 13	13326	4223	51353	2.5	1.36	-31523	-18933	SLV 9	11105	6351	51715	2.5	0.35	No
-10	2X/2Y ø6/23.9	9789	-31407	SLV 13	13354	4223	51383	2.5	1.36	-31523	-19146	SLV 9	11134	6351	51746	2.5	0.35	No
770	2X/2Y ø6/24.8	-8632	-6165	SLV 3	8547	3562	38817	2.5	0.99	5158	-2340	SLV 7	7411	5615	40253	2.5	1.44	No
741	2X/2Y ø6/24.8	-8632	-6337	SLV 3	8570	3562	38841	2.5	0.99	5158	-2512	SLV 7	7434	5615	40277	2.5	1.44	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	3836	-25674	SLD 13	12595	4223	50598	2.5	3.28	-13360	-21377	SLD 9	11442	6351	52064	2.5	0.86	No
320	2X/2Y ø6/23.9	3836	-25890	SLD 13	12624	4223	50627	2.5	3.29	-13360	-21592	SLD 9	11472	6351	52094	2.5	0.86	No
290	2X/2Y ø6/23.9	3836	-26109	SLD 13	12653	4223	50657	2.5	3.3	-13360	-21812	SLD 9	11502	6351	52126	2.5	0.86	No
260	2X/2Y ø6/23.9	3836	-26329	SLD 13	12682	4223	50687	2.5	3.31	-13360	-22031	SLD 9	11532	6351	52157	2.5	0.86	No
230	2X/2Y ø6/23.9	3836	-26548	SLD 13	12711	4223	50717	2.5	3.31	-13360	-22250	SLD 9	11562	6351	52188	2.5	0.87	No
200	2X/2Y ø6/23.9	3836	-26768	SLD 13	12740	4223	50747	2.5	3.32	-13360	-22470	SLD 9	11592	6351	52219	2.5	0.87	No
170	2X/2Y ø6/23.9	3836	-26987	SLD 13	12769	4223	50777	2.5	3.33	-13360	-22689	SLD 9	11623	6351	52251	2.5	0.87	No
140	2X/2Y ø6/23.9	3836	-27206	SLD 13	12798	4223	50807	2.5	3.34	-13360	-22909	SLD 9	11653	6351	52282	2.5	0.87	No
110	2X/2Y ø6/23.9	3836	-27425	SLD 13	12827	4223	50837	2.5	3.34	-13360	-23128	SLD 9	11683	6351	52313	2.5	0.87	No
80	2X/2Y ø6/23.9	3836	-27645	SLD 13	12856	4223	50867	2.5	3.35	-13360	-23347	SLD 9	11713	6351	52344	2.5	0.88	No
50	2X/2Y ø6/23.9	3836	-27864	SLD 13	12885	4223	50898	2.5	3.36	-13360	-23567	SLD 9	11744	6351	52376	2.5	0.88	No
20	2X/2Y ø6/23.9	3836	-28086	SLD 13	12915	4223	50928	2.5	3.37	-13360	-23789	SLD 9	11774	6351	52407	2.5	0.88	No
-10	2X/2Y ø6/23.9	3836	-28299	SLD 13	12943	4223	50957	2.5	3.37	-13360	-24002	SLD 9	11803	6351	52438	2.5	0.88	No
770	2X/2Y ø6/24.8	3433	-10299	SLD 13	9085	3562	39374	2.5	2.65	-2147	-11634	SLD 9	8682	5615	41567	2.5	4.04	Si
741	2X/2Y ø6/24.8	3433	-10471	SLD 13	9108	3562	39397	2.5	2.65	-2147	-11806	SLD 9	8705	5615	41592	2.5	4.05	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.285	50	0.337	0.108	0.298	SLV 9	No
320	0.286	51	0.339	0.109	0.301	SLV 9	No
290	0.287	51	0.339	0.109	0.301	SLV 9	No
260	0.288	51	0.339	0.109	0.301	SLV 9	No
230	0.289	52	0.342	0.111	0.304	SLV 9	No
200	0.29	52	0.342	0.111	0.304	SLV 9	No
170	0.291	52	0.342	0.111	0.304	SLV 9	No
140	0.292	53	0.345	0.112	0.307	SLV 9	No
110	0.293	53	0.345	0.112	0.307	SLV 9	No
80	0.294	53	0.345	0.112	0.307	SLV 9	No
50	0.295	54	0.347	0.113	0.31	SLV 9	No
20	0.296	54	0.347	0.113	0.31	SLV 9	No
-10	0.297	55	0.35	0.114	0.313	SLV 9	No
770	0.99	695	0.99	0.36	0.991	SLV 3	No
741	0.994	701	0.994	0.362	0.994	SLV 3	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.813	56	0.887	0.115	0.817	SLD 9	No
320	0.814	56	0.887	0.115	0.817	SLD 9	No
290	0.818	56	0.887	0.115	0.817	SLD 9	No
260	0.82	56	0.887	0.115	0.817	SLD 9	No
230	0.824	57	0.894	0.116	0.825	SLD 9	No
200	0.826	57	0.894	0.116	0.825	SLD 9	No
170	0.83	58	0.9	0.118	0.833	SLD 9	No
140	0.832	58	0.9	0.118	0.833	SLD 9	No
110	0.836	58	0.9	0.118	0.833	SLD 9	No
80	0.838	59	0.906	0.119	0.841	SLD 9	No
50	0.842	59	0.906	0.119	0.841	SLD 9	No
20	0.844	59	0.906	0.119	0.841	SLD 9	No
-10	0.848	60	0.913	0.12	0.849	SLD 9	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	2.822	792	2.628	0.38	2.69	SLD 3	Si
741	2.828	796	2.634	0.38	2.696	SLD 3	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 12

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-22	0	0.9	0	1	168158	-1883	-7240	0	0	SLU 1	0	No
-17	1.47	0.9	0	1	297241	-2527	-12753	445616	-3789	SLU 30	1.499	Si
420	18.1	2.3	0	2,3,4,5	124743	149384	-3580	597605	715652	SLU 19	4.791	Si
350	18.1	0.9	0	2,3,4	283803	30460	-10344	1559811	167414	SLU 30	5.496	Si
319	18.1	0.9	0	2,3,4	284908	27749	-10542	1581912	154073	SLU 30	5.552	Si
289	18.1	0.9	0	2,3,4	286031	24992	-10743	1603946	140148	SLU 30	5.608	Si
258	18.1	0.9	0	2,3,4	287153	22236	-10945	1624529	125797	SLU 30	5.657	Si
449	18.1	2.3	0	2,3,4,5	109174	128098	-3430	621329	729027	SLU 19	5.691	Si
228	18.1	0.9	0	2,3,4	288276	19480	-11146	1644595	111135	SLU 30	5.705	Si
197	18.1	0.9	0	2,3,4	289399	16723	-11347	1663191	96108	SLU 30	5.747	Si
167	18.1	0.9	0	2,3,4	290522	13967	-11548	1682034	80862	SLU 30	5.79	Si
14	17.38	1.8	0	1,2,3,4	296136	184	-12555	1720360	1069	SLU 30	5.809	Si
136	18.1	0.9	0	2,3,4	291645	11210	-11750	1700569	65365	SLU 30	5.831	Si
105	18.1	0.9	0	2,3,4	292768	8454	-11951	1714893	49517	SLU 30	5.858	Si
75	18.1	0.9	0	2,3,4	293878	5728	-12150	1729308	33708	SLU 30	5.884	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-22	0	0.9	0	1	172353	31101	-7413	0	0	SLV 1	0				No
-17	1.47	0.9	0	1	-110644	-2547	4714	-33494	-771	SLV 9	0.303				No
420	18.1	2.3	0	2,3,4,5	860	1104267	-5010	495	635913	SLV 1	0.576				No
350	18.1	0.9	0	2,3,4	192546	-1197190	-5532	120127	-746915	SLV 1	0.624				No
449	18.1	2.3	0	2,3,4,5	1410	943122	-4895	961	642694	SLV 1	0.681				No
319	18.1	0.9	0	2,3,4	190352	-1097727	-5684	130863	-754666	SLV 1	0.687				No
770	18.1	1.1	0	5	7715	-857658	-3614	5689	-632453	SLV 1	0.737				No
289	18.1	0.9	0	2,3,4	188188	-996612	-5839	144329	-764345	SLV 1	0.767				No
478	18.1	2.3	0	2,3,4,5	1967	779167	-4778	1648	652715	SLV 1	0.838				No
258	18.1	0.9	0	2,3,4	186098	-895496	-5994	161377	-776542	SLV 1	0.867				No
741	18.1	1.1	0	5	7174	-696515	-3728	6636	-644238	SLV 1	0.925				No
228	18.1	0.9	0	2,3,4	184090	-794416	-6149	183618	-792376	SLV 1	0.997				No
508	18.1	1.1	0	5	2520	615215	-4662	2738	668293	SLV 1	1.086				Si
197	18.1	0.9	0	2,3,4	27047	608337	-1103	31602	710804	SLV 13	1.168				Si
712	18.1	1.1	0	5	6634	-532564	-3845	8274	-664201	SLV 1	1.247				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-22	0	0.9	0	1	187059	12589	-8046	0	0	SLD 1	0	No
420	18.1	2.3	0	2,3,4,5	33541	553101	-4170	40435	666788	SLD 1	1.206	Si
-17	1.47	0.9	0	1	335430	-1473	-14377	444511	-1952	SLD 7	1.325	Si
449	18.1	2.3	0	2,3,4,5	30215	472627	-4055	43374	678458	SLD 1	1.436	Si
770	18.1	1.1	0	5	-6876	-426658	-2774	-10579	-656358	SLD 1	1.538	Si
350	18.1	0.9	0	2,3,4	188718	556306	-7171	297503	876983	SLD 15	1.576	Si
319	18.1	0.9	0	2,3,4	190721	509898	-7323	337277	901719	SLD 15	1.768	Si
478	18.1	2.3	0	2,3,4,5	26830	390749	-3938	47791	696024	SLD 1	1.781	Si
741	18.1	1.1	0	5	-3547	-346185	-2888	-6934	-676758	SLD 1	1.955	Si
289	18.1	0.9	0	2,3,4	192728	462719	-7478	387020	929193	SLD 15	2.008	Si
258	18.1	0.9	0	2,3,4	194702	415539	-7633	448579	957372	SLD 15	2.304	Si
508	18.1	1.1	0	5	23444	308873	-3822	55012	724787	SLD 1	2.347	Si
228	18.1	0.9	0	2,3,4	196639	368376	-7788	526159	985688	SLD 15	2.676	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
712	18.1	1.1	0	5	-155	-264310	-3005	-417	-713105	SLD 1	2.698	Si
197	18.1	0.9	0	2,3,4	198535	321180	-7943	624731	1010661	SLD 15	3.147	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-22	0	0	0	0	0	SLV 1	No
-17	0.751	366	0.761	0.277	0.761	SLV 9	No
420	0.547	184	0.574	0.205	0.564	SLV 1	No
350	0.655	272	0.674	0.244	0.669	SLV 15	No
449	0.662	278	0.68	0.246	0.676	SLV 1	No
319	0.719	333	0.732	0.266	0.73	SLV 15	No
770	0.719	333	0.732	0.266	0.73	SLV 1	No
289	0.797	417	0.803	0.293	0.805	SLV 1	No
478	0.829	454	0.832	0.304	0.835	SLV 1	No
258	0.887	532	0.887	0.324	0.89	SLV 1	No
741	0.92	581	0.92	0.336	0.922	SLV 1	No
228	0.998	708	0.998	0.363	0.998	SLV 1	No
508	1.09	878	1.09	0.395	1.086	SLV 1	Si
197	1.141	981	1.14	0.413	1.135	SLV 1	Si
712	1.256	1266	1.266	0.452	1.243	SLV 1	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-22	0	0	0	0	0	SLD 1	No
420	1.238	128	1.245	0.174	1.23	SLD 1	Si
-17	1.697	248	1.633	0.234	1.661	SLD 9	Si
449	1.496	188	1.458	0.208	1.472	SLD 1	Si
770	1.625	226	1.572	0.225	1.594	SLD 1	Si
350	1.48	185	1.448	0.206	1.46	SLD 15	Si
319	1.625	226	1.572	0.225	1.594	SLD 15	Si
478	1.875	309	1.787	0.258	1.825	SLD 1	Si
741	2.081	388	1.962	0.284	2.012	SLD 1	Si
289	1.801	283	1.724	0.248	1.758	SLD 1	Si
258	2.002	357	1.896	0.274	1.94	SLD 1	Si
508	1.865	570	2.297	0.333	2.362	SLD 1	Si
228	2.254	462	2.107	0.306	2.17	SLD 1	Si
712	2.84	804	2.645	0.382	2.707	SLD 1	Si
197	2.576	635	1.801	0.348	1.865	SLD 13	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-743	-1765	SLU 19	5393	3562	25563	2.5	7.26	-543	-1765	SLU 19	5393	3562	25563	2.5	9.93	Si
741	2X/2Y ø6/24.8	-743	-1914	SLU 19	5412	3562	25583	2.5	7.29	-543	-1914	SLU 19	5412	3562	25583	2.5	9.97	Si
712	2X/2Y ø6/24.8	-743	-2065	SLU 19	5432	3562	25603	2.5	7.32	-543	-2065	SLU 19	5432	3562	25603	2.5	10	Si
683	2X/2Y ø6/24.8	-743	-2217	SLU 19	5452	3562	25623	2.5	7.34	-543	-2217	SLU 19	5452	3562	25623	2.5	10.04	Si
653	2X/2Y ø6/24.8	-743	-2369	SLU 19	5472	3562	25644	2.5	7.37	-543	-2369	SLU 19	5472	3562	25644	2.5	10.08	Si
624	2X/2Y ø6/24.8	-743	-2520	SLU 19	5491	3562	25664	2.5	7.4	-543	-2520	SLU 19	5491	3562	25664	2.5	10.11	Si
595	2X/2Y ø6/24.8	-743	-2672	SLU 19	5511	3562	25685	2.5	7.42	-543	-2672	SLU 19	5511	3562	25685	2.5	10.15	Si
566	2X/2Y ø6/24.8	-743	-2824	SLU 19	5531	3562	25705	2.5	7.45	-543	-2824	SLU 19	5531	3562	25705	2.5	10.18	Si
537	2X/2Y ø6/24.8	-743	-2975	SLU 19	5551	3562	25726	2.5	7.48	-543	-2975	SLU 19	5551	3562	25726	2.5	10.22	Si
508	2X/2Y ø6/24.8	-743	-3127	SLU 19	5570	3562	25746	2.5	7.5	-543	-3127	SLU 19	5570	3562	25746	2.5	10.26	Si
478	2X/2Y ø6/24.8	-743	-3279	SLU 19	5590	3562	25766	2.5	7.53	-543	-3279	SLU 19	5590	3562	25766	2.5	10.29	Si
449	2X/2Y ø6/24.8	-743	-3430	SLU 19	5610	3562	25787	2.5	7.56	-543	-3430	SLU 19	5610	3562	25787	2.5	10.33	Si
420	2X/2Y ø6/24.8	-743	-3580	SLU 19	5629	3562	25807	2.5	7.58	-543	-3580	SLU 19	5629	3562	25807	2.5	10.37	Si
350	2X/2Y ø6/23.9	90	-10344	SLU 30	7737	4223	34012	2.5	85.84	-37	-10343	SLU 36	7736	4223	34012	2.5	207.09	Si
319	2X/2Y ø6/23.9	90	-10542	SLU 30	7763	4223	34039	2.5	86.13	-37	-10541	SLU 36	7763	4223	34039	2.5	207.79	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-6934	-4006	SLV 1	5685	3562	25864	2.5	0.82	-4472	4033	SLV 9	5163	3562	25325	2.5	1.15	No
741	2X/2Y ø6/24.8	-6934	-4120	SLV 1	5700	3562	25880	2.5	0.82	-4472	3918	SLV 9	5163	3562	25325	2.5	1.15	No
712	2X/2Y ø6/24.8	-6934	-4237	SLV 1	5715	3562	25895	2.5	0.82	-4472	3802	SLV 9	5163	3562	25325	2.5	1.15	No
683	2X/2Y ø6/24.8	-6934	-4354	SLV 1	5730	3562	25911	2.5	0.83	-4472	3685	SLV 9	5163	3562	25325	2.5	1.15	No
653	2X/2Y ø6/24.8	-6934	-4470	SLV 1	5745	3562	25927	2.5	0.83	-4472	3568	SLV 9	5163	3562	25325	2.5	1.15	No
624	2X/2Y ø6/24.8	-6934	-4587	SLV 1	5760	3562	25942	2.5	0.83	-4472	3452	SLV 9	5163	3562	25325	2.5	1.15	No
595	2X/2Y ø6/24.8	-6934	-4704	SLV 1	5775	3562	25958	2.5	0.83	-4472	3335	SLV 9	5163	3562	25325	2.5	1.15	No
566	2X/2Y ø6/24.8	-6934	-4820	SLV 1	5791	3562	25974	2.5	0.84	-4472	3218	SLV 9	5163	3562	25325	2.5	1.15	No
537	2X/2Y ø6/24.8	-6934	-4937	SLV 1	5806	3562	25990	2.5	0.84	-4472	3102	SLV 9	5163	3562	25325	2.5	1.15	No
508	2X/2Y ø6/24.8	-6934	-5054	SLV 1	5821	3562	26005	2.5	0.84	-4472	2985	SLV 9	5163	3562	25325	2.5	1.15	No
478	2X/2Y ø6/24.8	-6934	-5170	SLV 1	5836	3562	26021	2.5	0.84	-4472	2868	SLV 9	5163	3562	25325	2.5	1.15	No
449	2X/2Y ø6/24.8	-6934	-5287	SLV 1	5851	3562	26037	2.5	0.84	-4472	2752	SLV 9	5163	3562	25325	2.5	1.15	No
420	2X/2Y ø6/24.8	-6934	-5402	SLV 1	5866	3562	26052	2.5	0.85	-4472	2637	SLV 9	5163	3562	25325	2.5	1.15	No
350	2X/2Y ø6/23.9	-4180	-5237	SLV 1	7061	4223	33313	2.5	1.69	-212	1316	SLV 13	6368	4223	32596	2.5	30.1	Si
319	2X/2Y ø6/23.9	-4180	-5389	SLV 1	7081	4223	33334	2.5	1.69	-212	1164	SLV 13	6368	4223	32596	2.5	30.1	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-2807	-2774	SLD 1	5524	3562	25698	2.5	1.97	-1714	48	SLD 9	5163	3562	25325	2.5	3.01	Si
741	2X/2Y ø6/24.8	-2807	-2888	SLD 1	5539	3562	25714	2.5	1.97	-1714	-66	SLD 9	5172	3562	25334	2.5	3.02	Si
712	2X/2Y ø6/24.8	-2807	-3005	SLD 1	5554	3562	25730	2.5	1.98	-1714	-183	SLD 9	5187	3562	25350	2.5	3.03	Si
683	2X/2Y ø6/24.8	-2807	-3122	SLD 1	5570	3562	25745	2.5	1.98	-1714	-300	SLD 9	5202	3562	25365	2.5	3.04	Si
653	2X/2Y ø6/24.8	-2807	-3238	SLD 1	5585	3562	25761	2.5	1.99	-1714	-416	SLD 9	5218	3562	25381	2.5	3.04	Si
624	2X/2Y ø6/24.8	-2807	-3355	SLD 1	5600	3562	25777	2.5	1.99	-1714	-533	SLD 9	5233	3562	25397	2.5	3.05	Si
595	2X/2Y ø6/24.8	-2807	-3472	SLD 1	5615	3562	25792	2.5	2	-1714	-650	SLD 9	5248	3562	25412	2.5	3.06	Si
566	2X/2Y ø6/24.8	-2807	-3588	SLD 1	5630	3562	25808	2.5	2.01	-1714	-766	SLD 9	5263	3562	25428	2.5	3.07	Si
537	2X/2Y ø6/24.8	-2807	-3705	SLD 1	5646	3562	25824	2.5	2.01	-1714	-883	SLD 9	5278	3562	25444	2.5	3.08	Si
508	2X/2Y ø6/24.8	-2807	-3822	SLD 1	5661	3562	25839	2.5	2.02	-1714	-1000	SLD 9	5293	3562	25460	2.5	3.09	Si
478	2X/2Y ø6/24.8	-2807	-3938	SLD 1	5676	3562	25855	2.5	2.02	-1714	-1116	SLD 9	5309	3562	25475	2.5	3.1	Si
449	2X/2Y ø6/24.8	-2807	-4055	SLD 1	5691	3562	25871	2.5	2.03	-1714	-1233	SLD 9	5324	3562	25491	2.5	3.11	Si
420	2X/2Y ø6/24.8	-2807	-4170	SLD 1	5706	3562	25886	2.5	2.03	-1714	-1348	SLD 9	5339	3562	25506	2.5	3.12	Si
350	2X/2Y ø6/23.9	1543	-7171	SLD 15	7317	4223	33578	2.5	4.74	-90	-3864	SLD 13	6879	4223	33125	2.5	76.71	Si
319	2X/2Y ø6/23.9	1543	-7323	SLD 15	7337	4223	33598	2.5	4.76	-90	-4017	SLD 13	6899	4223	33146	2.5	76.94	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.795	415	0.801	0.292	0.803	SLV 1	No
741	0.799	419	0.805	0.293	0.806	SLV 1	No
712	0.801	421	0.806	0.294	0.808	SLV 1	No
683	0.803	424	0.809	0.295	0.81	SLV 1	No
653	0.805	426	0.81	0.295	0.812	SLV 1	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
624	0.809	430	0.813	0.297	0.815	SLV 1	No
595	0.811	433	0.816	0.298	0.818	SLV 1	No
566	0.813	435	0.817	0.298	0.819	SLV 1	No
537	0.816	439	0.82	0.299	0.823	SLV 1	No
508	0.818	442	0.822	0.3	0.825	SLV 1	No
478	0.82	444	0.824	0.301	0.827	SLV 1	No
449	0.822	446	0.825	0.301	0.828	SLV 1	No
420	0.826	451	0.829	0.303	0.832	SLV 1	No
350	1.652	2474	1.666	0.573	1.575	SLV 1	Si
319	1.656	2474	1.666	0.573	1.575	SLV 1	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	2.266	468	2.118	0.308	2.182	SLD 1	Si
741	2.271	470	2.122	0.309	2.186	SLD 1	Si
712	2.28	474	2.13	0.309	2.193	SLD 1	Si
683	2.289	478	2.137	0.311	2.202	SLD 1	Si
653	2.295	481	2.142	0.311	2.206	SLD 1	Si
624	2.301	485	2.15	0.312	2.213	SLD 1	Si
595	2.307	487	2.153	0.313	2.217	SLD 1	Si
566	2.318	493	2.164	0.314	2.228	SLD 1	Si
537	2.324	496	2.17	0.315	2.233	SLD 1	Si
508	2.33	499	2.175	0.316	2.239	SLD 1	Si
478	2.336	502	2.18	0.317	2.244	SLD 1	Si
449	2.342	505	2.186	0.318	2.25	SLD 1	Si
420	2.354	510	2.194	0.319	2.259	SLD 1	Si
350	4.705	2474	4.193	0.603	4.276	SLD 1	Si
319	4.712	2474	4.193	0.603	4.276	SLD 1	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 13

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-22	0	0.9	0	1	245669	-1224	-10609	0	0	SLU 1	0	No
-17	1.47	0.9	0	1	396055	-780	-17029	449619	-886	SLU 30	1.135	Si
350	18.1	0.9	0	2,3,4	394157	75843	-14621	1514124	291345	SLU 30	3.841	Si
319	18.1	0.9	0	2,3,4	394313	69545	-14819	1539007	271434	SLU 30	3.903	Si
289	18.1	0.9	0	2,3,4	394471	63142	-15020	1566185	250696	SLU 30	3.97	Si
258	18.1	0.9	0	2,3,4	394630	56739	-15221	1594608	229271	SLU 30	4.041	Si
228	18.1	0.9	0	2,3,4	394789	50339	-15422	1618861	206419	SLU 30	4.101	Si
197	18.1	0.9	0	2,3,4	394947	43934	-15624	1641629	182615	SLU 30	4.157	Si
167	18.1	0.9	0	2,3,4	395106	37531	-15825	1665166	158175	SLU 30	4.214	Si
136	18.1	0.9	0	2,3,4	395264	31129	-16026	1686321	132804	SLU 30	4.266	Si
105	18.1	0.9	0	2,3,4	395423	24726	-16227	1705869	106668	SLU 30	4.314	Si
14	17.38	1.8	0	1,2,3,4	396284	5496	-16871	1720189	23857	SLU 36	4.341	Si
75	18.1	0.9	0	2,3,4	395580	18396	-16426	1724299	80185	SLU 30	4.359	Si
44	18.1	1.8	0	1,2,3,4	395740	11920	-16630	1740720	52434	SLU 30	4.399	Si
420	18.1	2.3	0	2,3,4,5	99037	107455	-8136	779571	845835	SLU 26	7.872	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-22	0	0.9	0	1	147328	33622	-6450	0	0	SLV 1	0				No
350	18.1	0.9	0	2,3,4	111217	-1073602	-4569	76934	-742666	SLV 1	0.692				No
420	18.1	2.3	0	2,3,4,5	855743	426301	-1378	597466	297636	SLV 5	0.698				No
319	18.1	0.9	0	2,3,4	115981	-983942	-4721	88418	-750103	SLV 1	0.762				No
-17	1.47	0.9	0	1	546892	-8953	-23329	436289	-7142	SLV 11	0.798				No

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
449	18.1	2.3	0	2,3,4,5	735480	363516	-1263	598513	295819	SLV 5	0.814				No
289	18.1	0.9	0	2,3,4	120630	-892792	-4876	102606	-759395	SLV 1	0.851				No
770	18.1	1.1	0	5	-281836	-678016	-1579	-251890	-605974	SLV 1	0.894				No
258	18.1	0.9	0	2,3,4	125050	-801642	-5031	120288	-771114	SLV 1	0.962				No
478	18.1	2.3	0	2,3,4,5	613120	299638	-1147	600008	293230	SLV 5	0.979				No
228	18.1	0.9	0	2,3,4	129202	-710524	-5186	142990	-786346	SLV 1	1.107				Si
741	18.1	1.1	0	5	-224094	-550565	-1694	-249567	-613148	SLV 1	1.114				Si
508	18.1	1.1	0	5	490763	235761	-1030	602266	289327	SLV 5	1.227				Si
197	18.1	0.9	0	2,3,4	133034	-619342	-5341	173332	-806953	SLV 1	1.303				Si
712	18.1	1.1	0	5	-165354	-420892	-1811	-245639	-625249	SLV 1	1.486				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-22	0	0.9	0	1	218637	14122	-9471	0	0	SLD 1	0	No
-17	1.47	0.9	0	1	395423	-4288	-16924	441730	-4790	SLD 11	1.117	Si
420	18.1	2.3	0	2,3,4,5	200965	428114	-4785	325198	692766	SLD 1	1.618	Si
350	18.1	0.9	0	2,3,4	344395	548543	-12386	611405	973829	SLD 15	1.775	Si
449	18.1	2.3	0	2,3,4,5	174811	365226	-4670	339064	708391	SLD 1	1.94	Si
319	18.1	0.9	0	2,3,4	342564	502760	-12538	671454	985452	SLD 15	1.96	Si
770	18.1	1.1	0	5	-117517	-337524	-3389	-239622	-688223	SLD 1	2.039	Si
289	18.1	0.9	0	2,3,4	340789	456216	-12693	739182	989549	SLD 15	2.169	Si
258	18.1	0.9	0	2,3,4	339115	409672	-12848	817737	987879	SLD 15	1.811	Si
478	18.1	2.3	0	2,3,4,5	148203	301242	-4554	359457	730643	SLD 1	1.825	Si
741	18.1	1.1	0	5	-91367	-274636	-3504	-240240	-722132	SLD 1	2.629	Si
228	18.1	0.9	0	2,3,4	337559	363145	-13003	893895	961649	SLD 15	2.648	Si
197	18.1	0.9	0	2,3,4	336146	316585	-13158	974382	917681	SLD 15	2.899	Si
508	18.1	1.1	0	5	229672	126199	-3731	731408	401891	SLD 5	3.185	Si
167	18.1	0.9	0	2,3,4	334891	270041	-13313	1069267	862207	SLD 15	3.193	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-22	0	0	0	0	0	SLV 1	No
350	0.747	362	0.758	0.275	0.757	SLV 1	No
420	0.709	323	0.723	0.262	0.721	SLV 1	No
319	0.809	430	0.813	0.297	0.815	SLV 1	No
-17	0.605	229	0.628	0.226	0.621	SLV 11	No
449	0.828	453	0.831	0.303	0.834	SLV 5	No
289	0.882	525	0.883	0.322	0.886	SLV 1	No
770	0.895	543	0.895	0.327	0.898	SLV 1	No
258	0.971	662	0.971	0.354	0.971	SLV 1	No
478	0.98	678	0.98	0.357	0.981	SLV 5	No
228	1.08	859	1.08	0.392	1.077	SLV 1	Si
741	1.109	916	1.109	0.402	1.105	SLV 1	Si
508	1.201	1125	1.206	0.434	1.192	SLV 5	Si
197	1.217	1164	1.223	0.439	1.206	SLV 1	Si
712	1.449	1854	1.48	0.518	1.423	SLV 1	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-22	0	0	0	0	0	SLD 1	No
-17	1.367	156	1.35	0.191	1.35	SLD 11	Si
420	1.602	219	1.552	0.222	1.572	SLD 1	Si
350	1.689	246	1.627	0.233	1.654	SLD 1	Si
449	1.875	309	1.787	0.258	1.825	SLD 5	Si
319	1.828	292	1.746	0.251	1.781	SLD 1	Si
770	2.022	364	1.911	0.276	1.959	SLD 1	Si
289	1.992	353	1.887	0.273	1.932	SLD 1	Si
258	2.195	437	2.06	0.299	2.117	SLD 1	Si
478	2.219	447	2.079	0.302	2.138	SLD 5	Si
741	2.512	597	2.341	0.339	1.804	SLD 1	Si
228	1.838	556	2.274	0.33	2.337	SLD 1	Si
197	2.749	744	2.562	0.37	2.624	SLD 1	Si
508	2.717	722	2.531	0.366	2.593	SLD 5	Si
167	3.15	1044	2.944	0.422	2.992	SLD 1	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-588	-5755	SLU 22	5912	3562	26100	2.5	10.05	-388	-6321	SLU 26	5986	3562	26176	2.5	15.45	Si
741	2X/2Y ø6/24.8	-588	-5904	SLU 22	5932	3562	26120	2.5	10.09	-388	-6470	SLU 26	6005	3562	26196	2.5	15.5	Si
712	2X/2Y ø6/24.8	-588	-6056	SLU 22	5951	3562	26140	2.5	10.12	-388	-6622	SLU 26	6025	3562	26216	2.5	15.55	Si
683	2X/2Y ø6/24.8	-588	-6208	SLU 22	5971	3562	26161	2.5	10.15	-388	-6773	SLU 26	6045	3562	26237	2.5	15.6	Si
653	2X/2Y ø6/24.8	-588	-6359	SLU 22	5991	3562	26181	2.5	10.19	-388	-6925	SLU 26	6064	3562	26257	2.5	15.65	Si
624	2X/2Y ø6/24.8	-588	-6511	SLU 22	6011	3562	26201	2.5	10.22	-388	-7077	SLU 26	6084	3562	26278	2.5	15.7	Si
595	2X/2Y ø6/24.8	-588	-6663	SLU 22	6030	3562	26222	2.5	10.25	-388	-7228	SLU 26	6104	3562	26298	2.5	15.75	Si
566	2X/2Y ø6/24.8	-588	-6814	SLU 22	6050	3562	26242	2.5	10.29	-388	-7380	SLU 26	6124	3562	26318	2.5	15.8	Si
537	2X/2Y ø6/24.8	-588	-6966	SLU 22	6070	3562	26263	2.5	10.32	-388	-7532	SLU 26	6143	3562	26339	2.5	15.85	Si
508	2X/2Y ø6/24.8	-588	-7118	SLU 22	6090	3562	26283	2.5	10.35	-388	-7683	SLU 26	6163	3562	26359	2.5	15.9	Si
478	2X/2Y ø6/24.8	-588	-7269	SLU 22	6109	3562	26304	2.5	10.39	-388	-7835	SLU 26	6183	3562	26380	2.5	15.95	Si
449	2X/2Y ø6/24.8	-588	-7421	SLU 22	6129	3562	26324	2.5	10.42	-388	-7987	SLU 26	6203	3562	26400	2.5	16	Si
420	2X/2Y ø6/24.8	-588	-7570	SLU 22	6148	3562	26344	2.5	10.45	-388	-8136	SLU 26	6222	3562	26420	2.5	16.05	Si
350	2X/2Y ø6/23.9	209	-14621	SLU 30	8303	4223	34597	2.5	39.66	-16	-11762	SLU 26	7924	4223	34206	2.5	480.62	Si
319	2X/2Y ø6/23.9	209	-14819	SLU 30	8329	4223	34625	2.5	39.78	-16	-11960	SLU 26	7951	4223	34233	2.5	482.21	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-5496	-736	SLV 1	5259	3562	25424	2.5	0.96	-5276	1277	SLV 5	5163	3562	25325	2.5	0.98	No
741	2X/2Y ø6/24.8	-5496	-850	SLV 1	5274	3562	25439	2.5	0.96	-5276	1163	SLV 5	5163	3562	25325	2.5	0.98	No
712	2X/2Y ø6/24.8	-5496	-967	SLV 1	5289	3562	25455	2.5	0.96	-5276	1046	SLV 5	5163	3562	25325	2.5	0.98	No
683	2X/2Y ø6/24.8	-5496	-1084	SLV 1	5304	3562	25471	2.5	0.97	-5276	929	SLV 5	5163	3562	25325	2.5	0.98	No
653	2X/2Y ø6/24.8	-5496	-1200	SLV 1	5320	3562	25487	2.5	0.97	-5276	813	SLV 5	5163	3562	25325	2.5	0.98	No
624	2X/2Y ø6/24.8	-5496	-1317	SLV 1	5335	3562	25502	2.5	0.97	-5276	696	SLV 5	5163	3562	25325	2.5	0.98	No
595	2X/2Y ø6/24.8	-5496	-1434	SLV 1	5350	3562	25518	2.5	0.97	-5276	579	SLV 5	5163	3562	25325	2.5	0.98	No
566	2X/2Y ø6/24.8	-5496	-1550	SLV 1	5365	3562	25534	2.5	0.98	-5276	463	SLV 5	5163	3562	25325	2.5	0.98	No
537	2X/2Y ø6/24.8	-5496	-1667	SLV 1	5380	3562	25549	2.5	0.98	-5276	346	SLV 5	5163	3562	25325	2.5	0.98	No
508	2X/2Y ø6/24.8	-5496	-1784	SLV 1	5395	3562	25565	2.5	0.98	-5276	229	SLV 5	5163	3562	25325	2.5	0.98	No
478	2X/2Y ø6/24.8	-5496	-1900	SLV 1	5411	3562	25581	2.5	0.98	-5276	113	SLV 5	5163	3562	25325	2.5	0.98	No
449	2X/2Y ø6/24.8	-5496	-2017	SLV 1	5426	3562	25597	2.5	0.99	-5276	-4	SLV 5	5164	3562	25326	2.5	0.98	No
420	2X/2Y ø6/24.8	-5496	-2132	SLV 1	5441	3562	25612	2.5	0.99	-5276	-119	SLV 5	5179	3562	25341	2.5	0.98	No
350	2X/2Y ø6/23.9	-3792	-3160	SLV 1	6786	4223	33029	2.5	1.79	-261	-3160	SLV 1	6786	4223	33029	2.5	26.02	Si
319	2X/2Y ø6/23.9	-3792	-3313	SLV 1	6806	4223	33049	2.5	1.79	-261	-3313	SLV 1	6806	4223	33049	2.5	26.1	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-2194	-3389	SLD 1	5604	3562	25781	2.5	2.55	-1876	-2683	SLD 5	5512	3562	25686	2.5	2.94	Si
741	2X/2Y ø6/24.8	-2194	-3504	SLD 1	5619	3562	25797	2.5	2.56	-1876	-2797	SLD 5	5527	3562	25702	2.5	2.95	Si
712	2X/2Y ø6/24.8	-2194	-3620	SLD 1	5634	3562	25812	2.5	2.57	-1876	-2914	SLD 5	5543	3562	25717	2.5	2.95	Si
683	2X/2Y ø6/24.8	-2194	-3737	SLD 1	5650	3562	25828	2.5	2.58	-1876	-3031	SLD 5	5558	3562	25733	2.5	2.96	Si
653	2X/2Y ø6/24.8	-2194	-3854	SLD 1	5665	3562	25844	2.5	2.58	-1876	-3147	SLD 5	5573	3562	25749	2.5	2.97	Si
624	2X/2Y ø6/24.8	-2194	-3970	SLD 1	5680	3562	25859	2.5	2.59	-1876	-3264	SLD 5	5588	3562	25764	2.5	2.98	Si
595	2X/2Y ø6/24.8	-2194	-4087	SLD 1	5695	3562	25875	2.5	2.6	-1876	-3381	SLD 5	5603	3562	25780	2.5	2.99	Si
566	2X/2Y ø6/24.8	-2194	-4204	SLD 1	5710	3562	25891	2.5	2.6	-1876	-3497	SLD 5	5619	3562	25796	2.5	3	Si
537	2X/2Y ø6/24.8	-2194	-4320	SLD 1	5726	3562	25907	2.5	2.61	-1876	-3614	SLD 5	5634	3562	25812	2.5	3	Si
508	2X/2Y ø6/24.8	-2194	-4437	SLD 1	5741	3562	25922	2.5	2.62	-1876	-3731	SLD 5	5649	3562	25827	2.5	3.01	Si
478	2X/2Y ø6/24.8	-2194	-4554	SLD 1	5756	3562	25938	2.5	2.62	-1876	-3847	SLD 5	5664	3562	25843	2.5	3.02	Si
449	2X/2Y ø6/24.8	-2194	-4670	SLD 1	5771	3562	25954	2.5	2.63	-1876	-3964	SLD 5	5679	3562	25859	2.5	3.03	Si
420	2X/2Y ø6/24.8	-2194	-4785	SLD 1	5786	3562	25969	2.5	2.64	-1876	-4079	SLD 5	5694	3562	25874	2.5	3.04	Si
350	2X/2Y ø6/23.9	1522	-12386	SLD 15	8007	4223	34292	2.5	5.26	-96	-7590	SLD 1	7372	4223	33635	2.5	77	Si
319	2X/2Y ø6/23.9	1522	-12538	SLD 15	8027	4223	34312	2.5	5.27	-96	-7743	SLD 1	7392	4223	33656	2.5	77.21	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.957	640	0.957	0.349	0.958	SLV 1	No
741	0.961	646	0.961	0.35	0.962	SLV 1	No
712	0.963	649	0.963	0.351	0.964	SLV 1	No
683	0.967	656	0.967	0.352	0.968	SLV 1	No
653	0.969	659	0.969	0.353	0.97	SLV 1	No
624	0.971	662	0.971	0.354	0.971	SLV 1	No
595	0.975	668	0.974	0.355	0.975	SLV 1	No
566	0.977	672	0.977	0.356	0.977	SLV 1	No
537	0.979	675	0.978	0.356	0.979	SLV 1	No
508	0.979	675	0.978	0.356	0.979	SLV 5	No
478	0.979	675	0.978	0.356	0.979	SLV 5	No
449	0.981	680	0.981	0.357	0.982	SLV 5	No
420	0.984	685	0.984	0.358	0.985	SLV 5	No
350	1.656	2474	1.666	0.573	1.575	SLV 1	Si
319	1.656	2474	1.666	0.573	1.575	SLV 1	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	2.729	730	2.542	0.368	2.605	SLD 1	Si
741	2.734	733	2.546	0.368	2.61	SLD 1	Si
712	2.746	741	2.558	0.37	2.621	SLD 1	Si
683	2.752	745	2.563	0.371	2.626	SLD 1	Si
653	2.758	749	2.569	0.371	2.632	SLD 1	Si
624	2.77	756	2.579	0.373	2.642	SLD 1	Si
595	2.775	761	2.586	0.374	2.648	SLD 1	Si
566	2.781	764	2.59	0.374	2.653	SLD 1	Si
537	2.787	769	2.597	0.375	2.659	SLD 5	Si
508	2.787	769	2.597	0.375	2.659	SLD 5	Si
478	2.79	770	2.598	0.375	2.661	SLD 5	Si
449	2.799	776	2.607	0.377	2.668	SLD 5	Si
420	2.805	780	2.612	0.377	2.675	SLD 5	Si
350	4.712	2474	4.193	0.603	4.276	SLD 1	Si
319	4.712	2474	4.193	0.603	4.276	SLD 1	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 14

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
770	18.1	1.1	0	5	576976	74656	-10224	801378	103692	SLU 36	1.389	Si
741	18.1	1.1	0	5	508058	68837	-10373	845447	114550	SLU 36	1.664	Si
712	18.1	1.1	0	5	437937	62916	-10524	911101	130894	SLU 36	2.08	Si
683	18.1	1.1	0	5	367816	56996	-10676	1002896	155406	SLU 36	2.727	Si
653	18.1	1.1	0	5	297695	51075	-10828	1128773	193662	SLU 36	3.792	Si
350	18.1	0.9	0	2,3,4	-185874	295438	-17281	-829647	1318689	SLU 36	4.463	Si
-22	0	0.9	0	1	271349	1626	-19726	1235595	7406	SLU 36	4.554	Si
-17	1.47	0.9	0	1	264580	5976	-19690	1318752	29788	SLU 36	4.984	Si
420	18.1	2.3	0	2,3,4,5	-262070	3811	-12038	-1347852	19600	SLU 36	5.143	Si
319	18.1	0.9	0	2,3,4	-148849	271646	-17479	-780723	1424804	SLU 36	5.245	Si
624	18.1	1.1	0	5	227574	45154	-10979	1278237	253623	SLU 36	5.617	Si
289	18.1	0.9	0	2,3,4	-111208	247458	-17680	-693919	1544094	SLU 36	6.24	Si
258	18.1	0.9	0	2,3,4	-73568	223271	-17882	-540954	1641736	SLU 36	7.353	Si
449	18.1	2.3	0	2,3,4,5	-192040	15367	-11844	-1419124	113558	SLU 35	7.39	Si
14	17.38	1.8	0	1,2,3,4	227555	29769	-19492	1703767	222886	SLU 36	7.487	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-22	0	0.9	0	1	23499	55914	3852	0	0	SLV 1	0				No
350	18.1	0.9	0	2,3,4	181307	-1271832	5733	90816	-637055	SLV 1	0.501				No
-17	1.47	0.9	0	1	25898	40065	3880	13311	20592	SLV 1	0.514				No
319	18.1	0.9	0	2,3,4	168213	-1163421	5580	91676	-634065	SLV 1	0.545				No
289	18.1	0.9	0	2,3,4	154864	-1053207	5426	92699	-630431	SLV 1	0.599				No
258	18.1	0.9	0	2,3,4	141466	-942994	5271	93912	-626006	SLV 1	0.664				No
228	18.1	0.9	0	2,3,4	128013	-832819	5116	95377	-620500	SLV 1	0.745				No
197	18.1	0.9	0	2,3,4	140399	-722567	4961	119131	-613110	SLV 1	0.849				No
167	18.1	0.9	0	2,3,4	115658	-612354	4806	114054	-603859	SLV 1	0.986				No
770	18.1	1.1	0	5	537434	-289179	1943	552473	-297271	SLV 3	1.028				Si
741	18.1	1.1	0	5	519646	-234035	1829	555206	-250050	SLV 3	1.068				Si
712	18.1	1.1	0	5	501942	-177939	1712	558219	-197889	SLV 3	1.112				Si
683	18.1	1.1	0	5	484455	-121873	1595	560669	-141046	SLV 3	1.157				Si
136	18.1	0.9	0	2,3,4	26322	-502142	4651	31045	-592231	SLV 1	1.179				Si
653	18.1	1.1	0	5	467094	-65915	1479	563236	-79482	SLV 3	1.206				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2,3,4	-242279	862460	-19280	-305926	1089032	SLD 15	1.263	Si
319	18.1	0.9	0	2,3,4	-201722	790381	-19432	-293543	1150152	SLD 15	1.455	Si
770	18.1	1.1	0	5	429779	-105974	-2699	649514	-160156	SLD 3	1.511	Si
741	18.1	1.1	0	5	398644	-82864	-2814	658687	-136919	SLD 3	1.652	Si
289	18.1	0.9	0	2,3,4	-160475	717104	-19587	-275538	1231276	SLD 15	1.717	Si
712	18.1	1.1	0	5	367140	-59356	-2930	669833	-108293	SLD 3	1.824	Si
683	18.1	1.1	0	5	335732	-35860	-3047	683414	-72996	SLD 3	2.036	Si
258	18.1	0.9	0	2,3,4	-119205	643827	-19742	-248557	1342452	SLD 15	2.085	Si
-22	0	0.9	0	1	205982	1144	-10170	447847	2486	SLD 5	2.174	Si
653	18.1	1.1	0	5	304380	-12409	-3164	700336	-28551	SLD 3	2.301	Si
420	18.1	2.3	0	2,3,4,5	-381131	-152086	-11464	-930778	-371416	SLD 13	1.842	Si
228	18.1	0.9	0	2,3,4	-77922	570575	-19897	-203967	1493530	SLD 15	2.618	Si
624	18.1	1.1	0	5	273064	10804	-3280	720681	28513	SLD 3	2.639	Si
449	18.1	2.3	0	2,3,4,5	-328449	-124445	-11349	-995704	-377259	SLD 13	3.032	Si
595	18.1	1.1	0	5	241773	37328	-3397	746400	115237	SLD 3	3.087	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-22	0.499	152	0.531	0.188	0.517	SLV 1	No
350	0.567	199	0.593	0.213	0.585	SLV 15	No
-17	0.79	409	0.797	0.29	0.798	SLV 1	No
319	0.654	271	0.673	0.243	0.668	SLV 1	No
289	0.699	313	0.714	0.259	0.711	SLV 1	No
258	0.752	367	0.762	0.277	0.761	SLV 1	No
228	0.815	438	0.819	0.299	0.822	SLV 1	No
197	0.894	542	0.894	0.326	0.897	SLV 1	No
167	0.99	695	0.99	0.36	0.991	SLV 1	No
770	1.047	796	1.047	0.38	1.045	SLV 3	Si
741	1.105	909	1.105	0.401	1.101	SLV 3	Si
712	1.16	1026	1.162	0.42	1.153	SLV 3	Si
683	1.203	1130	1.208	0.434	1.193	SLV 3	Si
136	1.117	932	1.117	0.405	1.112	SLV 1	Si
653	1.24	1225	1.249	0.447	1.228	SLV 3	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	1.283	136	1.276	0.179	1.27	SLD 15	Si
319	1.479	184	1.445	0.205	1.456	SLD 1	Si
770	2.371	520	2.212	0.321	2.276	SLD 3	Si
741	2.5	591	2.331	0.338	2.395	SLD 3	Si
289	1.58	213	1.534	0.219	1.554	SLD 1	Si
712	2.617	659	1.838	0.353	2.501	SLD 3	Si
683	2.723	725	2.535	0.367	2.598	SLD 3	Si
258	1.699	250	1.638	0.235	1.664	SLD 1	Si
-22	1.129	105	1.148	0.158	1.121	SLD 1	Si
653	2.805	780	2.612	0.377	2.675	SLD 3	Si
420	2.863	820	2.666	0.385	2.728	SLD 1	Si
228	1.844	298	1.761	0.253	1.796	SLD 1	Si
624	2.881	833	2.683	0.387	2.744	SLD 3	Si
449	3.027	940	2.82	0.406	2.879	SLD 3	Si
595	2.934	871	2.733	0.394	2.793	SLD 3	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	215	-8731	SLU 18	6300	3562	26500	2.5	29.33	2404	-10224	SLU 36	6494	3562	26701	2.5	2.7	Si
741	2X/2Y ø6/24.8	215	-8846	SLU 18	6314	3562	26516	2.5	29.4	2404	-10373	SLU 36	6513	3562	26721	2.5	2.71	Si
712	2X/2Y ø6/24.8	215	-8962	SLU 18	6330	3562	26531	2.5	29.47	2404	-10524	SLU 36	6533	3562	26742	2.5	2.72	Si
683	2X/2Y ø6/24.8	215	-9079	SLU 18	6345	3562	26547	2.5	29.54	2404	-10676	SLU 36	6553	3562	26762	2.5	2.73	Si
653	2X/2Y ø6/24.8	215	-9196	SLU 18	6360	3562	26563	2.5	29.61	2404	-10828	SLU 36	6572	3562	26783	2.5	2.73	Si
624	2X/2Y ø6/24.8	215	-9312	SLU 18	6375	3562	26579	2.5	29.68	2404	-10979	SLU 36	6592	3562	26803	2.5	2.74	Si
595	2X/2Y ø6/24.8	215	-9429	SLU 18	6390	3562	26594	2.5	29.75	2404	-11131	SLU 36	6612	3562	26823	2.5	2.75	Si
566	2X/2Y ø6/24.8	215	-9546	SLU 18	6406	3562	26610	2.5	29.83	2404	-11283	SLU 36	6632	3562	26844	2.5	2.76	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
537	2X/2Y ø6/24.8	215	-9662	SLU 18	6421	3562	26626	2.5	29.9	2404	-11434	SLU 36	6651	3562	26864	2.5	2.77	Si
508	2X/2Y ø6/24.8	215	-9779	SLU 18	6436	3562	26641	2.5	29.97	2404	-11586	SLU 36	6671	3562	26885	2.5	2.77	Si
478	2X/2Y ø6/24.8	215	-9896	SLU 18	6451	3562	26657	2.5	30.04	2404	-11738	SLU 36	6691	3562	26905	2.5	2.78	Si
449	2X/2Y ø6/24.8	215	-10012	SLU 18	6466	3562	26673	2.5	30.11	2404	-11889	SLU 36	6711	3562	26925	2.5	2.79	Si
420	2X/2Y ø6/24.8	215	-10127	SLU 18	6481	3562	26688	2.5	30.18	2404	-12038	SLU 36	6730	3562	26946	2.5	2.8	Si
350	2X/2Y ø6/23.9	784	-16223	SLU 30	8515	4223	34817	2.5	10.86	-1231	-17281	SLU 36	8655	4223	34962	2.5	7.03	Si
319	2X/2Y ø6/23.9	784	-16421	SLU 30	8541	4223	34844	2.5	10.9	-1231	-17479	SLU 36	8681	4223	34989	2.5	7.05	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-4685	10241	SLV 1	6368	4223	32596	2.5	1.36	-2851	-31540	SLV 13	10542	4223	36914	2.5	3.7	Si
319	2X/2Y ø6/23.9	-4685	10089	SLV 1	6368	4223	32596	2.5	1.36	-2851	-31692	SLV 13	10562	4223	36934	2.5	3.7	Si
136	2X/2Y ø6/23.9	-4685	9160	SLV 1	6368	4223	32596	2.5	1.36	-2851	-32621	SLV 13	10685	4223	37062	2.5	3.75	Si
167	2X/2Y ø6/23.9	-4685	9315	SLV 1	6368	4223	32596	2.5	1.36	-2851	-32466	SLV 13	10664	4223	37040	2.5	3.74	Si
197	2X/2Y ø6/23.9	-4685	9470	SLV 1	6368	4223	32596	2.5	1.36	-2851	-32311	SLV 13	10644	4223	37019	2.5	3.73	Si
228	2X/2Y ø6/23.9	-4685	9625	SLV 1	6368	4223	32596	2.5	1.36	-2851	-32156	SLV 13	10623	4223	36998	2.5	3.73	Si
258	2X/2Y ø6/23.9	-4685	9779	SLV 1	6368	4223	32596	2.5	1.36	-2851	-32002	SLV 13	10603	4223	36977	2.5	3.72	Si
289	2X/2Y ø6/23.9	-4685	9934	SLV 1	6368	4223	32596	2.5	1.36	-2851	-31847	SLV 13	10582	4223	36956	2.5	3.71	Si
14	2X/2Y ø6/23.9	-4685	8541	SLV 1	6368	4223	32596	2.5	1.36	-2851	-33240	SLV 13	10767	4223	37146	2.5	3.78	Si
44	2X/2Y ø6/23.9	-4685	8696	SLV 1	6368	4223	32596	2.5	1.36	-2851	-33085	SLV 13	10746	4223	37125	2.5	3.77	Si
75	2X/2Y ø6/23.9	-4685	8852	SLV 1	6368	4223	32596	2.5	1.36	-2851	-32929	SLV 13	10725	4223	37104	2.5	3.76	Si
105	2X/2Y ø6/23.9	-4685	9005	SLV 1	6368	4223	32596	2.5	1.36	-2851	-32776	SLV 13	10705	4223	37083	2.5	3.76	Si
-22	2X/2Y ø6/12	-4685	8361	SLV 1	6368	8405	32596	2.5	1.79	-2851	-33420	SLV 13	10790	8405	37171	2.5	3.79	Si
-17	2X/2Y ø6/12	-4685	8388	SLV 1	6368	8405	32596	2.5	1.79	-2851	-33392	SLV 13	10787	8405	37167	2.5	3.78	Si
741	2X/2Y ø6/24.8	-2695	4975	SLV 1	5163	3562	25325	2.5	1.92	2311	-8156	SLV 9	6225	3562	26423	2.5	2.69	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-894	-2356	SLD 1	5470	3562	25642	2.5	6.12	1753	-6968	SLD 9	6070	3562	26263	2.5	3.46	Si
741	2X/2Y ø6/24.8	-894	-2470	SLD 1	5485	3562	25658	2.5	6.14	1753	-7083	SLD 9	6085	3562	26278	2.5	3.47	Si
712	2X/2Y ø6/24.8	-894	-2587	SLD 1	5500	3562	25673	2.5	6.15	1753	-7200	SLD 9	6100	3562	26294	2.5	3.48	Si
683	2X/2Y ø6/24.8	-894	-2704	SLD 1	5515	3562	25689	2.5	6.17	1753	-7316	SLD 9	6115	3562	26310	2.5	3.49	Si
653	2X/2Y ø6/24.8	-894	-2820	SLD 1	5530	3562	25705	2.5	6.19	1753	-7433	SLD 9	6131	3562	26326	2.5	3.5	Si
624	2X/2Y ø6/24.8	-894	-2937	SLD 1	5546	3562	25720	2.5	6.21	1753	-7550	SLD 9	6146	3562	26341	2.5	3.51	Si
595	2X/2Y ø6/24.8	-894	-3054	SLD 1	5561	3562	25736	2.5	6.22	1753	-7666	SLD 9	6161	3562	26357	2.5	3.52	Si
566	2X/2Y ø6/24.8	-894	-3170	SLD 1	5576	3562	25752	2.5	6.24	1753	-7783	SLD 9	6176	3562	26373	2.5	3.52	Si
537	2X/2Y ø6/24.8	-894	-3287	SLD 1	5591	3562	25768	2.5	6.26	1753	-7900	SLD 9	6191	3562	26388	2.5	3.53	Si
508	2X/2Y ø6/24.8	-894	-3404	SLD 1	5606	3562	25783	2.5	6.27	1753	-8016	SLD 9	6207	3562	26404	2.5	3.54	Si
478	2X/2Y ø6/24.8	-894	-3520	SLD 1	5622	3562	25799	2.5	6.29	1753	-8133	SLD 9	6222	3562	26420	2.5	3.55	Si
449	2X/2Y ø6/24.8	-894	-3637	SLD 1	5637	3562	25815	2.5	6.31	1753	-8250	SLD 9	6237	3562	26436	2.5	3.56	Si
420	2X/2Y ø6/24.8	-894	-3752	SLD 1	5652	3562	25830	2.5	6.32	1753	-8364	SLD 9	6252	3562	26451	2.5	3.57	Si
350	2X/2Y ø6/23.9	2396	-19280	SLD 15	8919	4223	35235	2.5	3.72	-1520	-18609	SLD 13	8830	4223	35143	2.5	5.81	Si
319	2X/2Y ø6/23.9	2396	-19432	SLD 15	8939	4223	35256	2.5	3.73	-1520	-18762	SLD 13	8851	4223	35164	2.5	5.82	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.32	1445	1.337	0.474	1.303	SLV 1	Si
319	1.32	1445	1.337	0.474	1.303	SLV 1	Si
136	1.32	1445	1.337	0.474	1.303	SLV 1	Si
167	1.32	1445	1.337	0.474	1.303	SLV 1	Si
197	1.32	1445	1.337	0.474	1.303	SLV 1	Si
228	1.32	1445	1.337	0.474	1.303	SLV 1	Si
258	1.32	1445	1.337	0.474	1.303	SLV 1	Si
289	1.32	1445	1.337	0.474	1.303	SLV 1	Si
14	1.32	1445	1.337	0.474	1.303	SLV 1	Si
44	1.32	1445	1.337	0.474	1.303	SLV 1	Si
75	1.32	1445	1.337	0.474	1.303	SLV 1	Si
105	1.32	1445	1.337	0.474	1.303	SLV 1	Si
-22	1.711	2474	1.666	0.573	1.575	SLV 1	Si
-17	1.711	2474	1.666	0.573	1.575	SLV 1	Si
741	1.891	2474	1.666	0.573	1.575	SLV 1	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	5.389	2474	4.193	0.603	4.276	SLD 1	Si
741	5.389	2474	4.193	0.603	4.276	SLD 1	Si
712	5.389	2474	4.193	0.603	4.276	SLD 1	Si
683	5.389	2474	4.193	0.603	4.276	SLD 1	Si
653	5.389	2474	4.193	0.603	4.276	SLD 1	Si
624	5.389	2474	4.193	0.603	4.276	SLD 1	Si
595	5.389	2474	4.193	0.603	4.276	SLD 1	Si
566	5.389	2474	4.193	0.603	4.276	SLD 1	Si
537	5.389	2474	4.193	0.603	4.276	SLD 1	Si
508	5.389	2474	4.193	0.603	4.276	SLD 1	Si
478	5.389	2474	4.193	0.603	4.276	SLD 1	Si
449	5.389	2474	4.193	0.603	4.276	SLD 1	Si
420	5.389	2474	4.193	0.603	4.276	SLD 1	Si
350	3.76	1671	3.57	0.499	3.537	SLD 1	Si
319	3.76	1671	3.57	0.499	3.537	SLD 1	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 15

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	265696	360921	-39036	955998	1298628	SLU 30	3.598	Si
20	18.1	1.8	0	1,2,3,4	236400	321895	-38845	932961	1270371	SLU 30	3.947	Si
50	18.1	1.8	0	1,2,3,4	205822	281161	-38645	887568	1212455	SLU 30	4.312	Si
80	18.1	0.9	0	2,3,4	175633	240946	-38447	820069	1125028	SLU 30	4.669	Si
110	18.1	0.9	0	2,3,4	145444	200730	-38250	735334	1014847	SLU 30	5.056	Si
140	18.1	0.9	0	2,3,4	115256	160515	-38052	630528	878129	SLU 30	5.471	Si
170	18.1	0.9	0	2,3,4	85067	120300	-37855	502568	710720	SLU 30	5.908	Si
350	18.1	0.9	0	2,3,4	-96534	-125803	-36367	-578981	-754532	SLU 36	5.998	Si
200	18.1	0.9	0	2,3,4	54943	80171	-37658	330637	482452	SLU 30	6.018	Si
230	18.1	0.9	0	2,3,4	24690	39869	-37460	149363	241193	SLU 30	6.05	Si
260	18.1	0.9	0	2,3,4	-5499	-346	-37263	-33441	-2103	SLU 30	6.082	Si
290	18.1	0.9	0	2,3,4	-35687	-40561	-37065	-218193	-247991	SLU 30	6.114	Si
320	18.1	0.9	0	2,3,4	-65876	-80776	-36868	-404924	-496512	SLU 30	6.147	Si
420	18.1	2.3	0	2,3,4,5	-1304	163290	-11222	-11467	1436243	SLU 36	8.796	Si
449	18.1	2.3	0	2,3,4,5	5903	137147	-11631	57517	1336392	SLU 35	9.744	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	223745	3081425	-32459	61196	842793	SLV 3	0.274				No
20	18.1	1.8	0	1,2,3,4	220807	2642410	-32311	73046	874144	SLV 3	0.331				No
350	18.1	0.9	0	2,3,4	-293451	2178214	-21140	-111391	826828	SLV 13	0.38				No
50	18.1	1.8	0	1,2,3,4	227864	2184182	-32158	96456	924580	SLV 3	0.423				No
320	18.1	0.9	0	2,3,4	-256450	1785794	-21290	-124474	866777	SLV 13	0.485				No
80	18.1	0.9	0	2,3,4	198388	1731795	-32006	115955	1012209	SLV 3	0.584				No
420	18.1	2.3	0	2,3,4,5	1101592	383411	-6799	645569	224692	SLV 5	0.586				No
290	18.1	0.9	0	2,3,4	-218812	1386727	-21442	-148181	939100	SLV 13	0.677				No
449	18.1	2.3	0	2,3,4,5	938203	329595	-6685	655486	230275	SLV 5	0.699				No
770	18.1	1.1	0	5	-887723	-272743	-5403	-646073	-198499	SLV 5	0.728				No
260	18.1	0.9	0	2,3,4	1192104	152981	-22766	1027622	131873	SLV 11	0.862				No
478	18.1	2.3	0	2,3,4,5	771969	274856	-6568	670410	238696	SLV 5	0.868				No
741	18.1	1.1	0	5	-724338	-218969	-5518	-662734	-200346	SLV 5	0.915				No
110	18.1	0.9	0	2,3,4	193021	1279415	-31854	178892	1185766	SLV 3	0.927				No
230	18.1	0.9	0	2,3,4	1077679	111777	-22918	1086775	112720	SLV 11	1.008				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	204112	1498494	-29809	142837	1048640	SLD 3	0.7	No
20	18.1	1.8	0	1,2,3,4	190850	1289799	-29662	167646	1132985	SLD 3	0.878	No
350	18.1	0.9	0	2,3,4	20271	-1075042	-27992	23458	-1244086	SLD 3	1.157	Si
50	18.1	1.8	0	1,2,3,4	181495	1071970	-29508	213005	1258079	SLD 3	1.174	Si
420	18.1	2.3	0	2,3,4,5	490532	228105	-7283	732557	340651	SLD 5	1.493	Si
320	18.1	0.9	0	2,3,4	-338860	-799055	-28666	-552707	-1303322	SLD 1	1.631	Si
80	18.1	0.9	0	2,3,4	156138	856917	-29356	263682	1447144	SLD 3	1.689	Si
449	18.1	2.3	0	2,3,4,5	417963	196915	-7168	756761	356533	SLD 5	1.811	Si
770	18.1	1.1	0	5	-393026	-152050	-5887	-745202	-288296	SLD 5	1.896	Si
478	18.1	2.3	0	2,3,4,5	344129	165188	-7051	791909	380129	SLD 5	2.301	Si
290	18.1	0.9	0	2,3,4	-289237	-598596	-28818	-678314	-1403818	SLD 1	2.345	Si
741	18.1	1.1	0	5	-320459	-120878	-6001	-792768	-299034	SLD 5	1.874	Si
110	18.1	0.9	0	2,3,4	141438	641868	-29204	366674	1664027	SLD 3	2.592	Si
508	18.1	1.1	0	5	270298	133471	-6935	845380	417444	SLD 5	3.128	Si
260	18.1	0.9	0	2,3,4	-495814	186863	-26509	-1554100	585712	SLD 9	3.134	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.33	67	0.379	0.126	0.347	SLV 3	No
20	0.398	96	0.44	0.151	0.415	SLV 3	No
350	0.486	144	0.519	0.183	0.504	SLV 3	No
50	0.501	153	0.532	0.189	0.518	SLV 3	No
320	0.617	239	0.639	0.23	0.633	SLV 3	No
80	0.661	277	0.679	0.245	0.674	SLV 3	No
420	0.623	244	0.645	0.232	0.639	SLV 5	No
290	0.779	397	0.787	0.287	0.788	SLV 13	No
449	0.73	345	0.743	0.27	0.741	SLV 5	No
770	0.755	370	0.765	0.278	0.764	SLV 5	No
260	0.911	568	0.912	0.333	0.914	SLV 11	No
478	0.885	529	0.885	0.323	0.888	SLV 5	No
741	0.926	590	0.926	0.338	0.928	SLV 5	No
110	0.945	621	0.945	0.345	0.947	SLV 3	No
230	1.006	722	1.006	0.366	1.006	SLV 11	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.746	47	0.826	0.105	0.746	SLD 3	No
20	0.9	67	0.955	0.126	0.896	SLD 3	No
350	1.099	99	1.121	0.154	1.092	SLD 3	Si
50	1.133	106	1.152	0.159	1.127	SLD 3	Si
420	1.41	167	1.388	0.197	1.394	SLD 5	Si
320	1.395	163	1.375	0.194	1.377	SLD 3	Si
80	1.494	188	1.458	0.208	1.472	SLD 3	Si
449	1.652	235	1.597	0.229	1.621	SLD 5	Si
770	1.707	252	1.644	0.236	1.67	SLD 5	Si
478	2.002	357	1.896	0.274	1.94	SLD 5	Si
290	1.762	270	1.691	0.243	1.721	SLD 13	Si
741	2.093	394	1.974	0.286	2.025	SLD 5	Si
110	2.134	411	2.009	0.291	2.062	SLD 3	Si
508	2.541	614	2.368	0.343	1.831	SLD 5	Si
260	2.061	380	1.945	0.281	1.995	SLD 11	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-1354	-36367	SLU 36	11180	4203	37574	2.5	8.26	-1003	-36367	SLU 36	11180	4203	37574	2.5	11.15	Si
320	2X/2Y ø6/24	-1354	-36561	SLU 36	11206	4203	37601	2.5	8.27	-1003	-36561	SLU 36	11206	4203	37601	2.5	11.17	Si
290	2X/2Y ø6/24	-1354	-36759	SLU 36	11232	4203	37628	2.5	8.29	-1003	-36759	SLU 36	11232	4203	37628	2.5	11.2	Si
260	2X/2Y ø6/24	-1354	-36956	SLU 36	11258	4203	37655	2.5	8.31	-1003	-36956	SLU 36	11258	4203	37655	2.5	11.22	Si
230	2X/2Y ø6/24	-1354	-37154	SLU 36	11284	4203	37682	2.5	8.33	-1003	-37154	SLU 36	11284	4203	37682	2.5	11.25	Si
200	2X/2Y ø6/24	-1354	-37352	SLU 36	11311	4203	37709	2.5	8.35	-1003	-37352	SLU 36	11311	4203	37709	2.5	11.28	Si
170	2X/2Y ø6/24	-1354	-37549	SLU 36	11337	4203	37736	2.5	8.37	-1003	-37549	SLU 36	11337	4203	37736	2.5	11.3	Si
140	2X/2Y ø6/24	-1354	-37746	SLU 36	11363	4203	37763	2.5	8.39	-1003	-37746	SLU 36	11363	4203	37763	2.5	11.33	Si
110	2X/2Y ø6/24	-1354	-37943	SLU 36	11389	4203	37790	2.5	8.41	-1003	-37943	SLU 36	11389	4203	37790	2.5	11.35	Si
80	2X/2Y ø6/24	-1354	-38141	SLU 36	11415	4203	37817	2.5	8.43	-1003	-38141	SLU 36	11415	4203	37817	2.5	11.38	Si
50	2X/2Y ø6/24	-1354	-38338	SLU 36	11441	4203	37844	2.5	8.45	-1003	-38338	SLU 36	11441	4203	37844	2.5	11.41	Si
20	2X/2Y ø6/24	-1354	-38538	SLU 36	11468	4203	37872	2.5	8.47	-1003	-38538	SLU 36	11468	4203	37872	2.5	11.43	Si
-10	2X/2Y ø6/24	-1354	-38730	SLU 36	11493	4203	37898	2.5	8.49	-1003	-38730	SLU 36	11493	4203	37898	2.5	11.46	Si
770	2X/2Y ø6/25	-733	-9407	SLU 36	6388	3526	26591	2.5	8.71	-77	-8216	SLU 19	6233	3526	26431	2.5	80.85	Si
741	2X/2Y ø6/25	-733	-9556	SLU 36	6407	3526	26611	2.5	8.74	-77	-8365	SLU 19	6252	3526	26451	2.5	81.1	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	16992	-19905	SLV 13	9002	4203	35321	2.5	0.53	-6472	-30400	SLV 5	10391	4203	36758	2.5	1.61	No
320	2X/2Y ø6/24	16992	-20055	SLV 13	9022	4203	35341	2.5	0.53	-6472	-30549	SLV 5	10410	4203	36778	2.5	1.61	No
290	2X/2Y ø6/24	16992	-20207	SLV 13	9042	4203	35362	2.5	0.53	-6472	-30701	SLV 5	10431	4203	36799	2.5	1.61	No
260	2X/2Y ø6/24	16992	-20358	SLV 13	9062	4203	35383	2.5	0.53	-6472	-30853	SLV 5	10451	4203	36820	2.5	1.61	No
230	2X/2Y ø6/24	16992	-20510	SLV 13	9082	4203	35404	2.5	0.53	-6472	-31004	SLV 5	10471	4203	36840	2.5	1.62	No
200	2X/2Y ø6/24	16992	-20663	SLV 13	9102	4203	35425	2.5	0.54	-6472	-31157	SLV 5	10491	4203	36861	2.5	1.62	No
170	2X/2Y ø6/24	16992	-20814	SLV 13	9122	4203	35445	2.5	0.54	-6472	-31308	SLV 5	10511	4203	36882	2.5	1.62	No
140	2X/2Y ø6/24	16992	-20966	SLV 13	9142	4203	35466	2.5	0.54	-6472	-31460	SLV 5	10531	4203	36903	2.5	1.63	No
110	2X/2Y ø6/24	16992	-21118	SLV 13	9162	4203	35487	2.5	0.54	-6472	-31612	SLV 5	10551	4203	36923	2.5	1.63	No
80	2X/2Y ø6/24	16992	-21270	SLV 13	9182	4203	35508	2.5	0.54	-6472	-31764	SLV 5	10571	4203	36944	2.5	1.63	No
50	2X/2Y ø6/24	16992	-21422	SLV 13	9203	4203	35528	2.5	0.54	-6472	-31916	SLV 5	10591	4203	36965	2.5	1.64	No
20	2X/2Y ø6/24	16992	-21575	SLV 13	9223	4203	35550	2.5	0.54	-6472	-32070	SLV 5	10612	4203	36986	2.5	1.64	No
-10	2X/2Y ø6/24	16992	-21723	SLV 13	9242	4203	35570	2.5	0.54	-6472	-32217	SLV 5	10631	4203	37006	2.5	1.64	No
770	2X/2Y ø6/25	-5018	-9034	SLV 1	6339	3526	26541	2.5	1.26	-7177	-5177	SLV 5	5837	3526	26022	2.5	0.81	No
741	2X/2Y ø6/25	-5018	-9149	SLV 1	6354	3526	26557	2.5	1.27	-7177	-5292	SLV 5	5852	3526	26037	2.5	0.82	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-7169	-27992	SLD 3	10072	4203	36428	2.5	1.41	-2751	-27474	SLD 5	10003	4203	36357	2.5	3.64	Si
320	2X/2Y ø6/24	-7169	-28141	SLD 3	10092	4203	36448	2.5	1.41	-2751	-27623	SLD 5	10023	4203	36377	2.5	3.64	Si
290	2X/2Y ø6/24	-7169	-28293	SLD 3	10112	4203	36469	2.5	1.41	-2751	-27775	SLD 5	10043	4203	36398	2.5	3.65	Si
260	2X/2Y ø6/24	-7169	-28445	SLD 3	10132	4203	36490	2.5	1.41	-2751	-27927	SLD 5	10063	4203	36419	2.5	3.66	Si
230	2X/2Y ø6/24	-7169	-28597	SLD 3	10152	4203	36511	2.5	1.42	-2751	-28079	SLD 5	10084	4203	36440	2.5	3.67	Si
200	2X/2Y ø6/24	-7169	-28749	SLD 3	10172	4203	36532	2.5	1.42	-2751	-28231	SLD 5	10104	4203	36461	2.5	3.67	Si
170	2X/2Y ø6/24	-7169	-28901	SLD 3	10192	4203	36552	2.5	1.42	-2751	-28383	SLD 5	10124	4203	36481	2.5	3.68	Si
140	2X/2Y ø6/24	-7169	-29053	SLD 3	10212	4203	36573	2.5	1.42	-2751	-28534	SLD 5	10144	4203	36502	2.5	3.69	Si
110	2X/2Y ø6/24	-7169	-29204	SLD 3	10232	4203	36594	2.5	1.43	-2751	-28686	SLD 5	10164	4203	36523	2.5	3.69	Si
80	2X/2Y ø6/24	-7169	-29356	SLD 3	10253	4203	36615	2.5	1.43	-2751	-28838	SLD 5	10184	4203	36544	2.5	3.7	Si
50	2X/2Y ø6/24	-7169	-29508	SLD 3	10273	4203	36635	2.5	1.43	-2751	-28990	SLD 5	10204	4203	36565	2.5	3.71	Si
20	2X/2Y ø6/24	-7169	-29662	SLD 3	10293	4203	36657	2.5	1.44	-2751	-29144	SLD 5	10224	4203	36586	2.5	3.72	Si
-10	2X/2Y ø6/24	-7169	-29809	SLD 3	10313	4203	36677	2.5	1.44	-2751	-29291	SLD 5	10244	4203	36606	2.5	3.72	Si
770	2X/2Y ø6/25	-2061	-7239	SLD 1	6105	3526	26300	2.5	2.96	-2532	-5887	SLD 5	5929	3526	26117	2.5	2.34	Si
741	2X/2Y ø6/25	-2061	-7354	SLD 1	6120	3526	26315	2.5	2.97	-2532	-6001	SLD 5	5944	3526	26133	2.5	2.35	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.521	167	0.552	0.196	0.539	SLV 3	No
320	0.522	167	0.552	0.196	0.539	SLV 3	No
290	0.523	168	0.553	0.197	0.541	SLV 3	No
260	0.524	169	0.555	0.197	0.542	SLV 3	No
230	0.525	169	0.555	0.197	0.542	SLV 3	No
200	0.527	171	0.557	0.198	0.545	SLV 3	No
170	0.528	171	0.557	0.198	0.545	SLV 3	No
140	0.529	172	0.559	0.199	0.547	SLV 3	No
110	0.53	173	0.56	0.2	0.548	SLV 3	No
80	0.531	173	0.56	0.2	0.548	SLV 3	No
50	0.533	175	0.563	0.201	0.551	SLV 3	No
20	0.534	175	0.563	0.201	0.551	SLV 3	No
-10	0.535	176	0.564	0.201	0.553	SLV 3	No
770	0.816	439	0.82	0.299	0.823	SLV 5	No
741	0.818	442	0.822	0.3	0.825	SLV 5	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.484	186	1.451	0.207	1.464	SLD 3	Si
320	1.488	186	1.451	0.207	1.464	SLD 3	Si
290	1.49	187	1.454	0.207	1.468	SLD 3	Si
260	1.492	187	1.454	0.207	1.468	SLD 3	Si
230	1.496	188	1.458	0.208	1.472	SLD 3	Si
200	1.5	190	1.464	0.208	1.476	SLD 3	Si
170	1.504	191	1.467	0.209	1.48	SLD 3	Si
140	1.508	192	1.47	0.209	1.484	SLD 3	Si
110	1.512	193	1.473	0.21	1.488	SLD 3	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
80	1.514	193	1.473	0.21	1.488	SLD 3	Si
50	1.516	194	1.476	0.211	1.492	SLD 3	Si
20	1.52	195	1.48	0.211	1.496	SLD 3	Si
-10	1.523	196	1.483	0.212	1.5	SLD 3	Si
770	2.324	496	2.17	0.315	2.233	SLD 5	Si
741	2.33	499	2.175	0.316	2.239	SLD 5	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 15A

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2	-196393	-335790	-21709	-813641	-1391150	SLU 36	4.143	Si
320	18.1	0.9	0	2	-167328	-312229	-21903	-778206	-1452107	SLU 36	4.651	Si
290	18.1	0.9	0	2	-138691	-289976	-23286	-726624	-1519229	SLU 30	5.239	Si
260	18.1	0.9	0	2	-108264	-267744	-23483	-632926	-1565275	SLU 30	5.846	Si
230	18.1	0.9	0	2	-77836	-245513	-23681	-497725	-1569936	SLU 30	6.395	Si
200	18.1	0.9	0	2	-47343	-223233	-23879	-324644	-1530764	SLU 30	6.857	Si
170	18.1	0.9	0	2	-16981	-201049	-24076	-123492	-1462095	SLU 30	7.272	Si
-10	18.1	1.8	0	1,2	164642	-70984	-25189	1214896	-523790	SLU 29	7.379	Si
140	18.1	0.9	0	2	13446	-178817	-24273	102155	-1358516	SLU 30	7.597	Si
20	18.1	1.8	0	1,2	135066	-91983	-24998	1040876	-708861	SLU 29	7.706	Si
110	18.1	0.9	0	2	43874	-156586	-24471	342210	-1221346	SLU 30	7.8	Si
50	18.1	1.8	0	1,2	104195	-113901	-24798	825918	-902858	SLU 29	7.927	Si
80	18.1	0.9	0	2	73717	-135540	-24600	585140	-1075868	SLU 29	7.938	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
350	18.1	0.9	0	2	-2139814	-510893	-12175	-761034	-181701	SLV 5	0.356				No
320	18.1	0.9	0	2	-1951540	-449385	-12324	-770437	-177410	SLV 5	0.395				No
290	18.1	0.9	0	2	-1760075	-386676	-12476	-782397	-171887	SLV 5	0.445				No
-10	18.1	1.8	0	1,2	71925	-1707701	-9683	32177	-763978	SLV 13	0.447				No
260	18.1	0.9	0	2	-1568612	-323645	-12628	-797807	-164608	SLV 5	0.509				No
20	18.1	1.8	0	1,2	40733	-1454803	-9535	21770	-777546	SLV 13	0.534				No
230	18.1	0.9	0	2	-1377150	-259808	-12780	-818428	-154402	SLV 5	0.594				No
50	18.1	1.8	0	1,2	23830	-1190880	-9381	15979	-798545	SLV 13	0.671				No
200	18.1	0.9	0	2	-1185280	-192875	-12932	-847559	-137919	SLV 5	0.715				No
80	18.1	0.9	0	2	-2284	-930401	-9229	-2046	-833402	SLV 13	0.896				No
170	18.1	0.9	0	2	-994238	-109140	-13084	-891833	-97899	SLV 5	0.897				No
140	18.1	0.9	0	2	-802793	-8914	-13236	-967604	-10744	SLV 5	1.205				Si
110	18.1	0.9	0	2	-27830	-670118	-9078	-37442	-901577	SLV 13	1.345				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2	-1032922	-356244	-13988	-888606	-306470	SLD 5	0.86	No
320	18.1	0.9	0	2	-937376	-320295	-14137	-918673	-313905	SLD 5	0.98	No
290	18.1	0.9	0	2	-840210	-283667	-14289	-958408	-323573	SLD 5	1.141	Si
-10	18.1	1.8	0	1,2	94663	-779635	-13898	120895	-995678	SLD 13	1.277	Si
260	18.1	0.9	0	2	-743045	-246897	-14441	-1010029	-335609	SLD 5	1.359	Si
20	18.1	1.8	0	1,2	68793	-676334	-13751	107978	-1061583	SLD 13	1.57	Si
230	18.1	0.9	0	2	-645881	-209770	-14593	-1081035	-351099	SLD 5	1.674	Si
50	18.1	1.8	0	1,2	48715	-568531	-13597	99867	-1165501	SLD 13	2.05	Si
200	18.1	0.9	0	2	-548509	-171253	-14745	-1184880	-369938	SLD 5	2.16	Si
80	18.1	0.9	0	2	24723	-462138	-13445	72043	-1346695	SLD 13	2.914	Si
170	18.1	0.9	0	2	-451558	-125343	-14897	-1348902	-374426	SLD 5	2.987	Si
140	18.1	0.9	0	2	357483	-172442	-17927	1420798	-685363	SLD 11	3.974	Si
110	18.1	0.9	0	2	159493	-335735	-14638	650363	-1369027	SLD 15	4.078	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.387	91	0.43	0.147	0.404	SLV 5	No
320	0.435	114	0.472	0.164	0.451	SLV 5	No
290	0.494	149	0.527	0.186	0.512	SLV 5	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.526	170	0.556	0.198	0.544	SLV 13	No
260	0.566	198	0.592	0.212	0.583	SLV 5	No
20	0.607	231	0.63	0.227	0.624	SLV 13	No
230	0.656	273	0.675	0.244	0.67	SLV 5	No
50	0.729	343	0.741	0.269	0.74	SLV 13	No
200	0.771	387	0.779	0.284	0.779	SLV 5	No
80	0.918	578	0.918	0.335	0.92	SLV 13	No
170	0.923	586	0.923	0.337	0.925	SLV 5	No
140	1.137	973	1.137	0.412	1.131	SLV 5	Si
110	1.254	1261	1.264	0.452	1.241	SLV 13	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.873	64	0.937	0.123	0.873	SLD 5	No
320	0.982	79	1.022	0.138	0.977	SLD 5	Si
290	1.115	103	1.139	0.157	1.11	SLD 5	Si
-10	1.189	118	1.204	0.167	1.183	SLD 13	Si
260	1.279	136	1.276	0.179	1.27	SLD 5	Si
20	1.371	157	1.354	0.191	1.355	SLD 13	Si
230	1.482	185	1.448	0.206	1.46	SLD 5	Si
50	1.646	233	1.592	0.228	1.615	SLD 13	Si
200	1.742	263	1.673	0.24	1.702	SLD 5	Si
80	2.072	385	1.956	0.283	2.005	SLD 13	Si
170	2.087	390	1.966	0.285	2.017	SLD 5	Si
140	2.567	630	2.393	0.347	1.856	SLD 5	Si
110	2.834	800	2.639	0.381	2.701	SLD 13	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-782	-18444	SLU 35	8809	4203	35121	2.5	11.26	-1016	-22827	SLU 29	9389	4203	35721	2.5	9.24	Si
320	2X/2Y ø6/24	-782	-18638	SLU 35	8834	4203	35147	2.5	11.3	-1016	-23021	SLU 29	9414	4203	35747	2.5	9.27	Si
290	2X/2Y ø6/24	-782	-18835	SLU 35	8860	4203	35174	2.5	11.33	-1016	-23218	SLU 29	9440	4203	35774	2.5	9.29	Si
260	2X/2Y ø6/24	-782	-19033	SLU 35	8886	4203	35201	2.5	11.36	-1016	-23416	SLU 29	9466	4203	35801	2.5	9.32	Si
230	2X/2Y ø6/24	-782	-19230	SLU 35	8913	4203	35228	2.5	11.4	-1016	-23613	SLU 29	9493	4203	35828	2.5	9.34	Si
200	2X/2Y ø6/24	-782	-19428	SLU 35	8939	4203	35256	2.5	11.43	-1016	-23811	SLU 29	9519	4203	35856	2.5	9.37	Si
170	2X/2Y ø6/24	-782	-19625	SLU 35	8965	4203	35283	2.5	11.46	-1016	-24008	SLU 29	9545	4203	35883	2.5	9.4	Si
140	2X/2Y ø6/24	-782	-19823	SLU 35	8991	4203	35310	2.5	11.5	-1016	-24206	SLU 29	9571	4203	35910	2.5	9.42	Si
110	2X/2Y ø6/24	-782	-20020	SLU 35	9017	4203	35337	2.5	11.53	-1016	-24403	SLU 29	9597	4203	35937	2.5	9.45	Si
80	2X/2Y ø6/24	-782	-20217	SLU 35	9043	4203	35364	2.5	11.56	-1016	-24600	SLU 29	9623	4203	35964	2.5	9.47	Si
50	2X/2Y ø6/24	-782	-20415	SLU 35	9069	4203	35391	2.5	11.6	-1016	-24798	SLU 29	9649	4203	35991	2.5	9.5	Si
20	2X/2Y ø6/24	-782	-20615	SLU 35	9096	4203	35418	2.5	11.63	-1016	-24998	SLU 29	9676	4203	36018	2.5	9.52	Si
-10	2X/2Y ø6/24	-782	-20807	SLU 35	9121	4203	35444	2.5	11.66	-1016	-25189	SLU 29	9701	4203	36044	2.5	9.55	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	11087	-5899	SLV 13	7148	4203	33403	2.5	0.64	-7848	-11329	SLV 5	7867	4203	34147	2.5	1	No
320	2X/2Y ø6/24	11087	-6048	SLV 13	7168	4203	33424	2.5	0.65	-7848	-11479	SLV 5	7887	4203	34167	2.5	1	No
290	2X/2Y ø6/24	11087	-6200	SLV 13	7188	4203	33445	2.5	0.65	-7848	-11631	SLV 5	7907	4203	34188	2.5	1.01	No
260	2X/2Y ø6/24	11087	-6352	SLV 13	7208	4203	33465	2.5	0.65	-7848	-11783	SLV 5	7927	4203	34209	2.5	1.01	No
230	2X/2Y ø6/24	11087	-6504	SLV 13	7228	4203	33486	2.5	0.65	-7848	-11934	SLV 5	7947	4203	34230	2.5	1.01	No
200	2X/2Y ø6/24	11087	-6656	SLV 13	7249	4203	33507	2.5	0.65	-7848	-12087	SLV 5	7967	4203	34251	2.5	1.02	No
170	2X/2Y ø6/24	11087	-6808	SLV 13	7269	4203	33528	2.5	0.66	-7848	-12238	SLV 5	7987	4203	34271	2.5	1.02	No
140	2X/2Y ø6/24	11087	-6960	SLV 13	7289	4203	33549	2.5	0.66	-7848	-12390	SLV 5	8007	4203	34292	2.5	1.02	No
110	2X/2Y ø6/24	11087	-7111	SLV 13	7309	4203	33569	2.5	0.66	-7848	-12542	SLV 5	8027	4203	34313	2.5	1.02	No
80	2X/2Y ø6/24	11087	-7263	SLV 13	7329	4203	33590	2.5	0.66	-7848	-12694	SLV 5	8048	4203	34334	2.5	1.03	No
50	2X/2Y ø6/24	11087	-7415	SLV 13	7349	4203	33611	2.5	0.66	-7848	-12846	SLV 5	8068	4203	34354	2.5	1.03	No
20	2X/2Y ø6/24	11087	-7569	SLV 13	7369	4203	33632	2.5	0.66	-7848	-13000	SLV 5	8088	4203	34376	2.5	1.03	No
-10	2X/2Y ø6/24	11087	-7716	SLV 13	7389	4203	33652	2.5	0.67	-7848	-13147	SLV 5	8108	4203	34396	2.5	1.03	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-4611	-18774	SLD 3	8852	4203	35166	2.5	1.92	-3239	-13988	SLD 5	8219	4203	34511	2.5	2.54	Si
320	2X/2Y ø6/24	-4611	-18923	SLD 3	8872	4203	35186	2.5	1.92	-3239	-14137	SLD 5	8239	4203	34531	2.5	2.54	Si
290	2X/2Y ø6/24	-4611	-19075	SLD 3	8892	4203	35207	2.5	1.93	-3239	-14289	SLD 5	8259	4203	34552	2.5	2.55	Si
260	2X/2Y ø6/24	-4611	-19227	SLD 3	8912	4203	35228	2.5	1.93	-3239	-14441	SLD 5	8279	4203	34573	2.5	2.56	Si
230	2X/2Y ø6/24	-4611	-19379	SLD 3	8932	4203	35249	2.5	1.94	-3239	-14593	SLD 5	8299	4203	34594	2.5	2.56	Si
200	2X/2Y ø6/24	-4611	-19531	SLD 3	8952	4203	35270	2.5	1.94	-3239	-14745	SLD 5	8319	4203	34614	2.5	2.57	Si
170	2X/2Y ø6/24	-4611	-19682	SLD 3	8972	4203	35290	2.5	1.95	-3239	-14897	SLD 5	8339	4203	34635	2.5	2.57	Si
140	2X/2Y ø6/24	-4611	-19834	SLD 3	8993	4203	35311	2.5	1.95	-3239	-15049	SLD 5	8359	4203	34656	2.5	2.58	Si
110	2X/2Y ø6/24	-4611	-19986	SLD 3	9013	4203	35332	2.5	1.95	-3239	-15201	SLD 5	8379	4203	34677	2.5	2.59	Si
80	2X/2Y ø6/24	-4611	-20138	SLD 3	9033	4203	35353	2.5	1.96	-3239	-15352	SLD 5	8399	4203	34698	2.5	2.59	Si
50	2X/2Y ø6/24	-4611	-20290	SLD 3	9053	4203	35374	2.5	1.96	-3239	-15504	SLD 5	8420	4203	34718	2.5	2.6	Si
20	2X/2Y ø6/24	-4611	-20444	SLD 3	9073	4203	35395	2.5	1.97	-3239	-15658	SLD 5	8440	4203	34739	2.5	2.61	Si
-10	2X/2Y ø6/24	-4611	-20591	SLD 3	9093	4203	35415	2.5	1.97	-3239	-15805	SLD 5	8459	4203	34760	2.5	2.61	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.694	309	0.71	0.257	0.707	SLV 13	No
320	0.695	310	0.711	0.258	0.708	SLV 13	No
290	0.697	312	0.713	0.258	0.71	SLV 13	No
260	0.699	313	0.714	0.259	0.711	SLV 13	No
230	0.7	314	0.715	0.259	0.712	SLV 13	No
200	0.702	315	0.716	0.26	0.714	SLV 13	No
170	0.703	317	0.718	0.26	0.715	SLV 13	No
140	0.705	319	0.72	0.261	0.717	SLV 13	No
110	0.707	321	0.721	0.262	0.719	SLV 13	No
80	0.708	322	0.722	0.262	0.72	SLV 13	No
50	0.71	324	0.724	0.263	0.722	SLV 13	No
20	0.711	325	0.725	0.263	0.723	SLV 13	No
-10	0.713	327	0.727	0.264	0.724	SLV 13	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.977	348	1.876	0.271	1.919	SLD 13	Si
320	1.98	349	1.878	0.271	1.922	SLD 13	Si
290	1.984	350	1.881	0.272	1.924	SLD 13	Si
260	1.988	352	1.885	0.272	1.93	SLD 13	Si
230	1.994	354	1.889	0.273	1.935	SLD 13	Si
200	2	357	1.896	0.274	1.94	SLD 13	Si
170	2.002	357	1.896	0.274	1.94	SLD 13	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
140	2.008	359	1.9	0.275	1.946	SLD 13	Si
110	2.014	361	1.905	0.275	1.951	SLD 13	Si
80	2.017	362	1.907	0.276	1.953	SLD 13	Si
50	2.02	363	1.909	0.276	1.956	SLD 13	Si
20	2.025	366	1.915	0.277	1.961	SLD 13	Si
-10	2.031	369	1.922	0.278	1.969	SLD 13	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 16

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	29709	-184828	-37192	166336	-1034804	SLU 30	5.599	Si
20	18.1	1.8	0	1,2,3,4	28144	-156006	-37000	164756	-913272	SLU 30	5.854	Si
350	18.1	0.9	0	2,3,4	10402	170585	-34829	62672	1027749	SLU 30	6.025	Si
50	18.1	1.8	0	1,2,3,4	26510	-125922	-36800	162722	-772938	SLU 30	6.138	Si
80	18.1	0.9	0	2,3,4	24896	-96222	-36603	154139	-595739	SLU 30	6.191	Si
110	18.1	0.9	0	2,3,4	23283	-66522	-36405	144932	-414090	SLU 30	6.225	Si
140	18.1	0.9	0	2,3,4	21669	-36822	-36208	135624	-230460	SLU 30	6.259	Si
320	18.1	0.9	0	2,3,4	11989	141380	-35023	75077	885353	SLU 30	6.262	Si
170	18.1	0.9	0	2,3,4	20056	-7121	-36010	126214	-44816	SLU 30	6.293	Si
200	18.1	0.9	0	2,3,4	18446	22515	-35813	116721	142469	SLU 30	6.328	Si
230	18.1	0.9	0	2,3,4	16829	52279	-35615	107082	332647	SLU 30	6.363	Si
260	18.1	0.9	0	2,3,4	15216	81979	-35418	97355	524534	SLU 30	6.398	Si
290	18.1	0.9	0	2,3,4	13602	111679	-35221	87520	718573	SLU 30	6.434	Si
420	18.1	2.3	0	2,3,4,5	-73046	57144	-10865	-888203	694845	SLU 36	12.159	Si
449	18.1	2.3	0	2,3,4,5	-61209	48996	-10716	-818675	655326	SLU 36	13.375	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
350	18.1	0.9	0	2,3,4	-281690	2323421	-18878	-97068	800628	SLV 13	0.345				No
-10	18.1	1.8	0	1,2,3,4	-44243	-2287380	-20695	-15821	-817953	SLV 13	0.358				No
320	18.1	0.9	0	2,3,4	-261058	1944591	-19027	-111186	828211	SLV 13	0.426				No
20	18.1	1.8	0	1,2,3,4	-66147	-1913524	-20548	-29292	-847356	SLV 13	0.443				No
420	18.1	2.3	0	2,3,4,5	-1182456	-422832	-8594	-656780	-234857	SLV 11	0.555				No
290	18.1	0.9	0	2,3,4	-239993	1559354	-19179	-134474	873745	SLV 13	0.56				No
50	18.1	1.8	0	1,2,3,4	-92799	-1523323	-20394	-54693	-897792	SLV 13	0.589				No
449	18.1	2.3	0	2,3,4,5	-1008207	-360054	-8479	-669276	-239014	SLV 11	0.664				No
770	18.1	1.1	0	5	938948	341699	-7198	660825	240485	SLV 11	0.704				No
260	18.1	0.9	0	2,3,4	-218804	1174144	-19331	-179066	960902	SLV 13	0.818				No
478	18.1	2.3	0	2,3,4,5	-830918	-296185	-8363	-688085	-245272	SLV 11	0.828				No
80	18.1	0.9	0	2,3,4	-126315	-1138127	-20242	-110433	-995028	SLV 13	0.874				No
741	18.1	1.1	0	5	764699	278929	-7313	681926	248737	SLV 11	0.892				No
230	18.1	0.9	0	2,3,4	-1035909	-264183	-22609	-1083551	-276333	SLV 5	1.046				Si
508	18.1	1.1	0	5	-653630	-232324	-8246	-718854	-255507	SLV 11	1.1				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2,3,4	-121134	1101012	-22012	-115747	1052045	SLD 13	0.956	No
-10	18.1	1.8	0	1,2,3,4	-8023	-1089036	-23829	-8162	-1107898	SLD 13	1.017	Si
320	18.1	0.9	0	2,3,4	-111344	921073	-22161	-141095	1167186	SLD 13	1.267	Si
420	18.1	2.3	0	2,3,4,5	-551412	-170758	-7791	-741687	-229681	SLD 11	1.345	Si
20	18.1	1.8	0	1,2,3,4	-18367	-911459	-23682	-25026	-1241872	SLD 13	1.363	Si
449	18.1	2.3	0	2,3,4,5	-469740	-145278	-7676	-771919	-238734	SLD 11	1.643	Si
770	18.1	1.1	0	5	442909	139555	-6395	745381	234861	SLD 11	1.683	Si
290	18.1	0.9	0	2,3,4	-101351	738090	-22313	-186051	1354917	SLD 13	1.836	Si
50	18.1	1.8	0	1,2,3,4	-30841	-726118	-23528	-62200	-1464449	SLD 13	2.017	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
478	18.1	2.3	0	2,3,4,5	-386643	-119355	-7560	-816530	-252060	SLD 11	2.112	Si
741	18.1	1.1	0	5	361237	114079	-6510	794198	250808	SLD 11	2.199	Si
260	18.1	0.9	0	2,3,4	-481663	275250	-22662	-1305523	746051	SLD 9	2.71	Si
508	18.1	1.1	0	5	-303546	-93436	-7443	-889080	-273672	SLD 11	2.929	Si
712	18.1	1.1	0	5	278140	88162	-6626	875563	277528	SLD 11	3.148	Si
80	18.1	0.9	0	2,3,4	-46343	-543154	-23376	-148331	-1738491	SLD 13	3.201	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.428	111	0.467	0.162	0.445	SLV 13	No
-10	0.448	122	0.485	0.17	0.466	SLV 13	No
320	0.521	166	0.55	0.196	0.538	SLV 13	No
20	0.541	180	0.569	0.203	0.558	SLV 13	No
420	0.578	207	0.603	0.216	0.595	SLV 11	No
290	0.656	273	0.675	0.244	0.67	SLV 13	No
50	0.685	299	0.701	0.254	0.697	SLV 13	No
449	0.686	300	0.702	0.254	0.698	SLV 11	No
770	0.717	331	0.73	0.265	0.728	SLV 11	No
260	0.873	512	0.874	0.319	0.877	SLV 13	No
478	0.844	472	0.845	0.309	0.849	SLV 11	No
80	0.914	573	0.915	0.334	0.917	SLV 13	No
741	0.898	549	0.899	0.328	0.902	SLV 11	No
230	1.029	763	1.029	0.374	1.028	SLV 5	Si
508	1.088	874	1.088	0.395	1.084	SLV 11	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.968	77	1.011	0.136	0.963	SLD 13	Si
-10	1.012	85	1.053	0.143	1.01	SLD 13	Si
320	1.176	114	1.187	0.165	1.167	SLD 13	Si
420	1.307	142	1.299	0.183	1.294	SLD 11	Si
20	1.223	124	1.229	0.171	1.214	SLD 13	Si
449	1.551	204	1.507	0.215	1.527	SLD 11	Si
770	1.619	225	1.569	0.224	1.591	SLD 11	Si
290	1.482	185	1.448	0.206	1.46	SLD 13	Si
50	1.547	203	1.504	0.215	1.523	SLD 13	Si
478	1.906	320	1.813	0.262	1.853	SLD 11	Si
741	2.031	369	1.922	0.278	1.969	SLD 11	Si
260	1.975	346	1.872	0.27	1.916	SLD 13	Si
508	1.859	567	2.292	0.332	2.356	SLD 11	Si
712	2.717	722	2.531	0.366	2.593	SLD 11	Si
80	2.066	382	1.949	0.282	2	SLD 13	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	1007	-32121	SLU 20	10618	4223	36993	2.5	10.54	-59	-32121	SLU 20	10618	4223	36993	2.5	179.54	Si
320	2X/2Y ø6/23.9	1007	-32315	SLU 20	10644	4223	37020	2.5	10.57	-59	-32315	SLU 20	10644	4223	37020	2.5	179.97	Si
290	2X/2Y ø6/23.9	1007	-32513	SLU 20	10670	4223	37047	2.5	10.59	-59	-32513	SLU 20	10670	4223	37047	2.5	180.41	Si
260	2X/2Y ø6/23.9	1007	-32710	SLU 20	10696	4223	37074	2.5	10.62	-59	-32710	SLU 20	10696	4223	37074	2.5	180.86	Si
230	2X/2Y ø6/23.9	1007	-32908	SLU 20	10723	4223	37101	2.5	10.64	-59	-32908	SLU 20	10723	4223	37101	2.5	181.3	Si
200	2X/2Y ø6/23.9	1007	-33105	SLU 20	10749	4223	37128	2.5	10.67	-59	-33105	SLU 20	10749	4223	37128	2.5	181.74	Si
170	2X/2Y ø6/23.9	1007	-33302	SLU 20	10775	4223	37155	2.5	10.7	-59	-33302	SLU 20	10775	4223	37155	2.5	182.18	Si
140	2X/2Y ø6/23.9	1007	-33500	SLU 20	10801	4223	37182	2.5	10.72	-59	-33500	SLU 20	10801	4223	37182	2.5	182.62	Si
110	2X/2Y ø6/23.9	1007	-33697	SLU 20	10827	4223	37209	2.5	10.75	-59	-33697	SLU 20	10827	4223	37209	2.5	183.07	Si
80	2X/2Y ø6/23.9	1007	-33895	SLU 20	10853	4223	37236	2.5	10.77	-59	-33895	SLU 20	10853	4223	37236	2.5	183.51	Si
50	2X/2Y ø6/23.9	1007	-34092	SLU 20	10879	4223	37263	2.5	10.8	-59	-34092	SLU 20	10879	4223	37263	2.5	183.95	Si
20	2X/2Y ø6/23.9	1007	-34292	SLU 20	10906	4223	37290	2.5	10.83	-59	-34292	SLU 20	10906	4223	37290	2.5	184.4	Si
-10	2X/2Y ø6/23.9	1007	-34484	SLU 20	10931	4223	37317	2.5	10.85	-59	-34484	SLU 20	10931	4223	37317	2.5	184.82	Si
770	2X/2Y ø6/24.8	-282	-7566	SLU 18	6148	3562	26344	2.5	21.81	413	-9050	SLU 36	6341	3562	26543	2.5	15.36	Si
741	2X/2Y ø6/24.8	-282	-7681	SLU 18	6163	3562	26359	2.5	21.87	413	-9199	SLU 36	6360	3562	26563	2.5	15.4	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	15987	-17416	SLV 13	8673	4223	34980	2.5	0.54	-5625	-21355	SLV 5	9194	4223	35519	2.5	1.63	No
320	2X/2Y ø6/23.9	15987	-17566	SLV 13	8692	4223	35001	2.5	0.54	-5625	-21505	SLV 5	9214	4223	35540	2.5	1.64	No
290	2X/2Y ø6/23.9	15987	-17718	SLV 13	8712	4223	35021	2.5	0.54	-5625	-21656	SLV 5	9234	4223	35561	2.5	1.64	No
260	2X/2Y ø6/23.9	15987	-17869	SLV 13	8732	4223	35042	2.5	0.55	-5625	-21808	SLV 5	9254	4223	35581	2.5	1.65	No
230	2X/2Y ø6/23.9	15987	-18021	SLV 13	8753	4223	35063	2.5	0.55	-5625	-21960	SLV 5	9274	4223	35602	2.5	1.65	No
200	2X/2Y ø6/23.9	15987	-18173	SLV 13	8773	4223	35084	2.5	0.55	-5625	-22112	SLV 5	9294	4223	35623	2.5	1.65	No
170	2X/2Y ø6/23.9	15987	-18325	SLV 13	8793	4223	35105	2.5	0.55	-5625	-22264	SLV 5	9314	4223	35644	2.5	1.66	No
140	2X/2Y ø6/23.9	15987	-18477	SLV 13	8813	4223	35125	2.5	0.55	-5625	-22416	SLV 5	9334	4223	35665	2.5	1.66	No
110	2X/2Y ø6/23.9	15987	-18629	SLV 13	8833	4223	35146	2.5	0.55	-5625	-22568	SLV 5	9354	4223	35685	2.5	1.66	No
80	2X/2Y ø6/23.9	15987	-18781	SLV 13	8853	4223	35167	2.5	0.55	-5625	-22720	SLV 5	9374	4223	35706	2.5	1.67	No
50	2X/2Y ø6/23.9	15987	-18933	SLV 13	8873	4223	35188	2.5	0.56	-5625	-22871	SLV 5	9394	4223	35727	2.5	1.67	No
20	2X/2Y ø6/23.9	15987	-19086	SLV 13	8894	4223	35209	2.5	0.56	-5625	-23025	SLV 5	9415	4223	35748	2.5	1.67	No
-10	2X/2Y ø6/23.9	15987	-19234	SLV 13	8913	4223	35229	2.5	0.56	-5625	-23173	SLV 5	9434	4223	35768	2.5	1.68	No
770	2X/2Y ø6/24.8	6373	-3353	SLV 15	5600	3562	25776	2.5	0.88	-7007	-3944	SLV 5	5677	3562	25856	2.5	0.81	No
741	2X/2Y ø6/24.8	6373	-3467	SLV 15	5615	3562	25792	2.5	0.88	-7007	-4058	SLV 5	5691	3562	25871	2.5	0.81	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	6100	-22012	SLD 13	9281	4223	35609	2.5	1.52	-2002	-23396	SLD 5	9464	4223	35799	2.5	4.73	Si
320	2X/2Y ø6/23.9	6100	-22161	SLD 13	9300	4223	35630	2.5	1.52	-2002	-23545	SLD 5	9484	4223	35819	2.5	4.74	Si
290	2X/2Y ø6/23.9	6100	-22313	SLD 13	9321	4223	35651	2.5	1.53	-2002	-23697	SLD 5	9504	4223	35840	2.5	4.75	Si
260	2X/2Y ø6/23.9	6100	-22465	SLD 13	9341	4223	35671	2.5	1.53	-2002	-23849	SLD 5	9524	4223	35861	2.5	4.76	Si
230	2X/2Y ø6/23.9	6100	-22617	SLD 13	9361	4223	35692	2.5	1.53	-2002	-24001	SLD 5	9544	4223	35882	2.5	4.77	Si
200	2X/2Y ø6/23.9	6100	-22769	SLD 13	9381	4223	35713	2.5	1.54	-2002	-24153	SLD 5	9564	4223	35902	2.5	4.78	Si
170	2X/2Y ø6/23.9	6100	-22921	SLD 13	9401	4223	35734	2.5	1.54	-2002	-24305	SLD 5	9584	4223	35923	2.5	4.79	Si
140	2X/2Y ø6/23.9	6100	-23072	SLD 13	9421	4223	35754	2.5	1.54	-2002	-24456	SLD 5	9604	4223	35944	2.5	4.8	Si
110	2X/2Y ø6/23.9	6100	-23224	SLD 13	9441	4223	35775	2.5	1.55	-2002	-24608	SLD 5	9624	4223	35965	2.5	4.81	Si
80	2X/2Y ø6/23.9	6100	-23376	SLD 13	9461	4223	35796	2.5	1.55	-2002	-24760	SLD 5	9644	4223	35986	2.5	4.82	Si
50	2X/2Y ø6/23.9	6100	-23528	SLD 13	9481	4223	35817	2.5	1.55	-2002	-24912	SLD 5	9664	4223	36006	2.5	4.83	Si
20	2X/2Y ø6/23.9	6100	-23682	SLD 13	9502	4223	35838	2.5	1.56	-2002	-25066	SLD 5	9685	4223	36027	2.5	4.84	Si
-10	2X/2Y ø6/23.9	6100	-23829	SLD 13	9521	4223	35858	2.5	1.56	-2002	-25213	SLD 5	9704	4223	36048	2.5	4.85	Si
770	2X/2Y ø6/24.8	-2431	-6603	SLD 1	6023	3562	26214	2.5	1.88	2849	-6395	SLD 11	5996	3562	26186	2.5	2.1	Si
741	2X/2Y ø6/24.8	-2431	-6717	SLD 1	6038	3562	26229	2.5	1.88	2849	-6510	SLD 11	6010	3562	26201	2.5	2.11	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.548	185	0.575	0.206	0.565	SLV 13	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
320	0.549	185	0.575	0.206	0.565	SLV 13	No
290	0.551	187	0.578	0.207	0.568	SLV 13	No
260	0.552	188	0.579	0.207	0.57	SLV 13	No
230	0.553	188	0.579	0.207	0.57	SLV 13	No
200	0.554	189	0.581	0.208	0.571	SLV 13	No
170	0.555	190	0.582	0.208	0.572	SLV 13	No
140	0.557	191	0.583	0.209	0.574	SLV 13	No
110	0.558	192	0.584	0.209	0.575	SLV 13	No
80	0.559	192	0.584	0.209	0.575	SLV 13	No
50	0.561	194	0.587	0.21	0.578	SLV 13	No
20	0.562	195	0.588	0.211	0.579	SLV 13	No
-10	0.563	195	0.588	0.211	0.579	SLV 13	No
770	0.797	417	0.803	0.293	0.805	SLV 11	No
741	0.799	419	0.805	0.293	0.806	SLV 11	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.559	206	1.513	0.216	1.531	SLD 13	Si
320	1.563	207	1.516	0.217	1.535	SLD 13	Si
290	1.566	208	1.519	0.217	1.538	SLD 13	Si
260	1.57	209	1.522	0.218	1.542	SLD 13	Si
230	1.574	210	1.525	0.218	1.546	SLD 13	Si
200	1.578	212	1.531	0.219	1.55	SLD 13	Si
170	1.582	213	1.534	0.219	1.554	SLD 13	Si
140	1.586	214	1.537	0.22	1.557	SLD 13	Si
110	1.588	215	1.54	0.22	1.561	SLD 13	Si
80	1.592	216	1.543	0.221	1.565	SLD 13	Si
50	1.594	216	1.543	0.221	1.565	SLD 13	Si
20	1.598	218	1.549	0.221	1.569	SLD 13	Si
-10	1.602	219	1.552	0.222	1.572	SLD 13	Si
770	2.271	470	2.122	0.309	2.186	SLD 11	Si
741	2.277	473	2.128	0.309	2.191	SLD 11	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 17

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-524756	-268715	-6705	-703644	-360320	SLU 29	1.341	Si
449	18.1	2.3	0	2,3,4,5	-453908	-229799	-6555	-721047	-365042	SLU 29	1.589	Si
478	18.1	2.3	0	2,3,4,5	-381824	-190203	-6404	-747706	-372464	SLU 29	1.958	Si
770	18.1	1.1	0	5	337777	205074	-4890	702871	426733	SLU 29	2.081	Si
508	18.1	1.1	0	5	-309741	-150607	-6252	-787063	-382699	SLU 29	2.541	Si
350	18.1	0.9	0	2,3,4	491738	336052	-31055	1290891	882192	SLU 30	2.625	Si
741	18.1	1.1	0	5	266929	166157	-5039	739637	460407	SLU 29	2.771	Si
320	18.1	0.9	0	2,3,4	429544	308450	-31249	1296158	930754	SLU 30	3.018	Si
290	18.1	0.9	0	2,3,4	366291	280380	-31447	1287130	985241	SLU 30	3.514	Si
537	18.1	1.1	0	5	-237657	-111012	-6100	-855050	-399402	SLU 29	3.598	Si
712	18.1	1.1	0	5	194845	126562	-5190	798976	518974	SLU 29	4.101	Si
260	18.1	0.9	0	2,3,4	303033	252310	-31644	1244017	1035785	SLU 30	4.105	Si
230	18.1	0.9	0	2,3,4	239771	224239	-31841	1149502	1075043	SLU 30	4.794	Si
-10	18.1	1.8	0	1,2,3,4	-264515	93	-33592	-1420631	498	SLU 36	5.371	Si
200	18.1	0.9	0	2,3,4	176367	196109	-32039	961576	1069213	SLU 30	5.452	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
350	18.1	0.9	0	2,3,4	2266641	1024438	-23368	825286	372999	SLV 11	0.364				No

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	-2314774	3835	-28645	-879094	1456	SLV 7	0.38				No
420	18.1	2.3	0	2,3,4,5	-531536	-1483270	-6353	-224359	-626082	SLV 15	0.422				No
320	18.1	0.9	0	2,3,4	673209	1858010	-17044	294010	811446	SLV 15	0.437				No
20	18.1	1.8	0	1,2,3,4	-1937249	4228	-28498	-927428	2024	SLV 7	0.479				No
290	18.1	0.9	0	2,3,4	549410	1686473	-17196	270498	830323	SLV 15	0.492				No
449	18.1	2.3	0	2,3,4,5	-456000	-1267417	-6239	-227523	-632383	SLV 15	0.499				No
770	18.1	1.1	0	5	388049	1144624	-4957	212607	627123	SLV 15	0.548				No
260	18.1	0.9	0	2,3,4	425290	1514935	-17348	239870	854447	SLV 15	0.564				No
478	18.1	2.3	0	2,3,4,5	-379145	-1047799	-6122	-232191	-641680	SLV 15	0.612				No
50	18.1	1.8	0	1,2,3,4	-1489576	160572	-24885	-969356	104494	SLV 11	0.651				No
230	18.1	0.9	0	2,3,4	300406	1343397	-17500	198156	886141	SLV 15	0.66				No
741	18.1	1.1	0	5	312511	928772	-5072	214871	638588	SLV 15	0.688				No
508	18.1	1.1	0	5	-302290	-828182	-6005	-239560	-656320	SLV 15	0.792				No
200	18.1	0.9	0	2,3,4	172778	1171490	-17652	137272	930752	SLV 15	0.795				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2,3,4	1185891	594556	-22391	957719	480160	SLD 11	0.808	No
420	18.1	2.3	0	2,3,4,5	-436398	-772991	-6047	-366407	-649016	SLD 15	0.84	No
449	18.1	2.3	0	2,3,4,5	-375530	-660588	-5933	-374948	-659564	SLD 15	0.998	No
320	18.1	0.9	0	2,3,4	998812	545295	-22540	1004638	548476	SLD 11	1.006	Si
-10	18.1	1.8	0	1,2,3,4	-1124861	1668	-25739	-1138597	1688	SLD 7	1.012	Si
770	18.1	1.1	0	5	304622	595457	-4651	335196	655222	SLD 15	1.1	Si
290	18.1	0.9	0	2,3,4	379053	864107	-19828	461380	1051782	SLD 15	1.217	Si
478	18.1	2.3	0	2,3,4,5	-313600	-546224	-5816	-386562	-673308	SLD 15	1.233	Si
20	18.1	1.8	0	1,2,3,4	-934807	13296	-25592	-1294398	18411	SLD 7	1.385	Si
741	18.1	1.1	0	5	243753	483054	-4766	341021	675812	SLD 15	1.399	Si
260	18.1	0.9	0	2,3,4	300450	776394	-19980	435829	1126228	SLD 15	1.451	Si
508	18.1	1.1	0	5	-251670	-431860	-5699	-404996	-694966	SLD 15	1.609	Si
230	18.1	0.9	0	2,3,4	221507	688682	-20132	397505	1235873	SLD 15	1.795	Si
712	18.1	1.1	0	5	181822	368690	-4883	350645	711023	SLD 15	1.929	Si
50	18.1	1.8	0	1,2,3,4	-712706	94437	-23907	-1456495	192993	SLD 11	2.044	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.35	74	0.395	0.133	0.365	SLV 11	No
-10	0.447	121	0.484	0.169	0.464	SLV 7	No
420	0.346	73	0.393	0.132	0.362	SLV 15	No
320	0.445	120	0.482	0.168	0.462	SLV 11	No
20	0.557	191	0.583	0.209	0.574	SLV 7	No
290	0.53	173	0.56	0.2	0.548	SLV 15	No
449	0.441	118	0.479	0.167	0.459	SLV 15	No
770	0.499	152	0.531	0.188	0.517	SLV 15	No
260	0.613	236	0.636	0.229	0.629	SLV 15	No
478	0.576	206	0.601	0.216	0.594	SLV 15	No
50	0.726	340	0.739	0.268	0.737	SLV 11	No
230	0.714	328	0.728	0.264	0.725	SLV 15	No
741	0.66	277	0.679	0.245	0.674	SLV 15	No
508	0.778	396	0.786	0.286	0.787	SLV 15	No
200	0.838	465	0.84	0.307	0.843	SLV 15	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.791	52	0.861	0.112	0.791	SLD 11	No
420	0.781	51	0.854	0.11	0.782	SLD 15	No
449	0.998	82	1.037	0.14	0.99	SLD 15	Si
320	1.006	84	1.048	0.142	1.004	SLD 11	Si
-10	1.01	84	1.048	0.142	1.004	SLD 7	Si
770	1.129	105	1.148	0.158	1.121	SLD 15	Si
290	1.199	119	1.208	0.168	1.188	SLD 15	Si
478	1.303	141	1.295	0.182	1.289	SLD 15	Si
20	1.258	131	1.257	0.176	1.245	SLD 7	Si
741	1.492	187	1.454	0.207	1.468	SLD 15	Si
260	1.387	161	1.368	0.193	1.368	SLD 15	Si
508	1.758	269	1.688	0.242	1.718	SLD 15	Si
230	1.613	222	1.56	0.223	1.583	SLD 15	Si
712	2.078	387	1.96	0.284	2.01	SLD 13	Si
50	1.641	232	1.589	0.227	1.611	SLD 11	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	1371	-4332	SLU 20	5727	3562	25908	2.5	4.18	2506	-5470	SLU 30	5875	3562	26061	2.5	2.34	Si
741	2X/2Y ø6/24.8	1371	-4482	SLU 20	5747	3562	25928	2.5	4.19	2506	-5619	SLU 30	5895	3562	26081	2.5	2.35	Si
712	2X/2Y ø6/24.8	1371	-4633	SLU 20	5766	3562	25949	2.5	4.21	2506	-5771	SLU 30	5914	3562	26102	2.5	2.36	Si
683	2X/2Y ø6/24.8	1371	-4785	SLU 20	5786	3562	25969	2.5	4.22	2506	-5922	SLU 30	5934	3562	26122	2.5	2.37	Si
653	2X/2Y ø6/24.8	1371	-4937	SLU 20	5806	3562	25990	2.5	4.23	2506	-6074	SLU 30	5954	3562	26143	2.5	2.38	Si
624	2X/2Y ø6/24.8	1371	-5088	SLU 20	5826	3562	26010	2.5	4.25	2506	-6226	SLU 30	5974	3562	26163	2.5	2.38	Si
595	2X/2Y ø6/24.8	1371	-5240	SLU 20	5845	3562	26030	2.5	4.26	2506	-6377	SLU 30	5993	3562	26183	2.5	2.39	Si
566	2X/2Y ø6/24.8	1371	-5392	SLU 20	5865	3562	26051	2.5	4.28	2506	-6529	SLU 30	6013	3562	26204	2.5	1.8	Si
537	2X/2Y ø6/24.8	1371	-5543	SLU 20	5885	3562	26071	2.5	4.29	2506	-6681	SLU 30	6033	3562	26224	2.5	1.81	Si
508	2X/2Y ø6/24.8	1371	-5695	SLU 20	5904	3562	26092	2.5	4.31	2506	-6832	SLU 30	6052	3562	26245	2.5	1.82	Si
478	2X/2Y ø6/24.8	1371	-5847	SLU 20	5924	3562	26112	2.5	4.32	2506	-6984	SLU 30	6072	3562	26265	2.5	1.82	Si
449	2X/2Y ø6/24.8	1371	-5998	SLU 20	5944	3562	26132	2.5	4.33	2506	-7136	SLU 30	6092	3562	26286	2.5	1.83	Si
420	2X/2Y ø6/24.8	1371	-6147	SLU 20	5963	3562	26153	2.5	4.35	2506	-7285	SLU 30	6111	3562	26306	2.5	1.84	Si
350	2X/2Y ø6/23.9	893	-24362	SLU 19	9592	4223	35931	2.5	10.74	2108	-31055	SLU 30	10477	4223	36847	2.5	4.97	Si
320	2X/2Y ø6/23.9	893	-24556	SLU 19	9617	4223	35958	2.5	10.77	2108	-31249	SLU 30	10503	4223	36874	2.5	4.98	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	8525	114	SLV 13	5163	3562	25325	2.5	0.61	7760	-13673	SLV 7	6943	3562	27166	2.5	0.89	No
741	2X/2Y ø6/24.8	8525	-1	SLV 13	5164	3562	25325	2.5	0.61	7760	-13787	SLV 7	6957	3562	27181	2.5	0.9	No
712	2X/2Y ø6/24.8	8525	-118	SLV 13	5179	3562	25341	2.5	0.61	7760	-13904	SLV 7	6973	3562	27197	2.5	0.9	No
683	2X/2Y ø6/24.8	8525	-234	SLV 13	5194	3562	25357	2.5	0.61	7760	-14021	SLV 7	6988	3562	27212	2.5	0.9	No
653	2X/2Y ø6/24.8	8525	-351	SLV 13	5209	3562	25372	2.5	0.61	7760	-14137	SLV 7	7003	3562	27228	2.5	0.9	No
624	2X/2Y ø6/24.8	8525	-468	SLV 13	5224	3562	25388	2.5	0.61	7760	-14254	SLV 7	7018	3562	27244	2.5	0.9	No
595	2X/2Y ø6/24.8	8525	-584	SLV 13	5239	3562	25404	2.5	0.61	7760	-14371	SLV 7	7033	3562	27259	2.5	0.91	No
566	2X/2Y ø6/24.8	8525	-701	SLV 13	5255	3562	25419	2.5	0.62	7760	-14487	SLV 7	7049	3562	27275	2.5	0.91	No
350	2X/2Y ø6/23.9	7021	-15668	SLV 15	8441	4223	34741	2.5	1.2	15438	-23824	SLV 11	9520	4223	35857	2.5	0.62	No
320	2X/2Y ø6/23.9	7021	-15817	SLV 15	8461	4223	34761	2.5	1.21	15438	-23973	SLV 11	9540	4223	35878	2.5	0.62	No
537	2X/2Y ø6/24.8	8525	-818	SLV 13	5270	3562	25435	2.5	0.62	7760	-14604	SLV 7	7064	3562	27291	2.5	0.91	No

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
290	2X/2Y ø6/23.9	7021	-15969	SLV 15	8481	4223	34782	2.5	1.21	15439	-24125	SLV 11	9560	4223	35899	2.5	0.62	No
508	2X/2Y ø6/24.8	8525	-934	SLV 13	5285	3562	25451	2.5	0.62	7760	-14721	SLV 7	7079	3562	27307	2.5	0.91	No
260	2X/2Y ø6/23.9	7021	-16121	SLV 15	8501	4223	34803	2.5	1.21	15439	-24277	SLV 11	9580	4223	35919	2.5	0.62	No
478	2X/2Y ø6/24.8	8525	-1051	SLV 13	5300	3562	25467	2.5	0.62	7760	-14837	SLV 7	7094	3562	27322	2.5	0.91	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	2924	-19527	SLD 15	8952	4223	35269	2.5	3.06	6528	-23922	SLD 7	9533	4223	35871	2.5	1.46	Si
320	2X/2Y ø6/23.9	2924	-19676	SLD 15	8972	4223	35289	2.5	3.07	6528	-24071	SLD 7	9553	4223	35891	2.5	1.46	Si
290	2X/2Y ø6/23.9	2924	-19828	SLD 15	8992	4223	35310	2.5	3.08	6528	-24223	SLD 7	9573	4223	35912	2.5	1.47	Si
260	2X/2Y ø6/23.9	2924	-19980	SLD 15	9012	4223	35331	2.5	3.08	6528	-24375	SLD 7	9593	4223	35933	2.5	1.47	Si
770	2X/2Y ø6/24.8	3921	-4651	SLD 15	5769	3562	25951	2.5	1.47	3838	-7662	SLD 7	6160	3562	26356	2.5	1.61	Si
230	2X/2Y ø6/23.9	2924	-20132	SLD 15	9032	4223	35352	2.5	3.09	6529	-24527	SLD 7	9613	4223	35954	2.5	1.47	Si
741	2X/2Y ø6/24.8	3921	-4766	SLD 15	5784	3562	25967	2.5	1.48	3838	-7777	SLD 7	6175	3562	26372	2.5	1.61	Si
200	2X/2Y ø6/23.9	2924	-20284	SLD 15	9052	4223	35373	2.5	3.1	6529	-24679	SLD 7	9634	4223	35974	2.5	1.48	Si
170	2X/2Y ø6/23.9	2924	-20435	SLD 15	9072	4223	35393	2.5	3.1	6529	-24830	SLD 7	9654	4223	35995	2.5	1.48	Si
712	2X/2Y ø6/24.8	3921	-4883	SLD 15	5799	3562	25982	2.5	1.48	3838	-7893	SLD 7	6191	3562	26388	2.5	1.61	Si
140	2X/2Y ø6/23.9	2924	-20587	SLD 15	9092	4223	35414	2.5	3.11	6529	-24982	SLD 7	9674	4223	36016	2.5	1.48	Si
683	2X/2Y ø6/24.8	3921	-4999	SLD 15	5814	3562	25998	2.5	1.48	3838	-8010	SLD 7	6206	3562	26403	2.5	1.62	Si
110	2X/2Y ø6/23.9	2924	-20739	SLD 15	9112	4223	35435	2.5	3.12	6529	-25134	SLD 7	9694	4223	36037	2.5	1.48	Si
653	2X/2Y ø6/24.8	3921	-5116	SLD 15	5829	3562	26014	2.5	1.49	3838	-8127	SLD 7	6221	3562	26419	2.5	1.62	Si
80	2X/2Y ø6/23.9	2924	-20891	SLD 15	9132	4223	35456	2.5	3.12	6529	-25286	SLD 7	9714	4223	36057	2.5	1.49	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.58	209	0.605	0.217	0.597	SLV 15	No
741	0.582	210	0.606	0.218	0.599	SLV 13	No
712	0.584	212	0.609	0.219	0.601	SLV 13	No
683	0.586	213	0.61	0.219	0.602	SLV 13	No
653	0.588	215	0.612	0.22	0.605	SLV 13	No
624	0.59	216	0.613	0.22	0.606	SLV 13	No
595	0.592	218	0.616	0.221	0.608	SLV 13	No
566	0.594	219	0.617	0.222	0.609	SLV 13	No
350	0.568	200	0.594	0.213	0.586	SLV 11	No
320	0.57	201	0.595	0.214	0.587	SLV 11	No
537	0.596	221	0.619	0.223	0.612	SLV 13	No
290	0.572	202	0.597	0.214	0.589	SLV 11	No
508	0.598	223	0.621	0.224	0.614	SLV 13	No
260	0.573	203	0.598	0.215	0.59	SLV 11	No
478	0.6	224	0.622	0.224	0.615	SLV 13	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.621	225	1.569	0.224	1.591	SLD 11	Si
320	1.625	226	1.572	0.225	1.594	SLD 11	Si
290	1.629	227	1.575	0.225	1.598	SLD 11	Si
260	1.633	228	1.578	0.226	1.601	SLD 11	Si
770	1.652	235	1.597	0.229	1.621	SLD 15	Si
230	1.637	229	1.58	0.226	1.604	SLD 11	Si
741	1.656	236	1.6	0.229	1.625	SLD 15	Si
200	1.641	232	1.589	0.227	1.611	SLD 11	Si
170	1.645	233	1.592	0.228	1.615	SLD 11	Si
712	1.664	238	1.606	0.23	1.631	SLD 13	Si
140	1.648	234	1.594	0.228	1.618	SLD 11	Si
683	1.668	239	1.608	0.231	1.635	SLD 15	Si
110	1.652	235	1.597	0.229	1.621	SLD 11	Si
653	1.672	241	1.614	0.231	1.638	SLD 15	Si
80	1.656	236	1.6	0.229	1.625	SLD 11	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 18

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-434571	-511569	-19531	-662988	-780457	SLU 30	1.526	Si
-10	18.1	1.8	0	1,2,3,4	540	-1223231	-63870	836	-1895903	SLU 30	1.55	Si
350	18.1	0.9	0	2,3,4	308020	917813	-61507	555022	1653811	SLU 30	1.802	Si
20	18.1	1.8	0	1,2,3,4	25474	-1049604	-63678	46533	-1917278	SLU 30	1.827	Si
449	18.1	2.3	0	2,3,4,5	-375639	-435881	-19382	-687181	-797386	SLU 30	1.829	Si
50	18.1	1.8	0	1,2,3,4	51501	-868378	-63478	109203	-1841329	SLU 30	2.12	Si
320	18.1	0.9	0	2,3,4	282753	741878	-61701	607842	1594835	SLU 30	2.15	Si
770	18.1	1.1	0	5	282892	409885	-17716	610254	884202	SLU 30	2.157	Si
478	18.1	2.3	0	2,3,4,5	-313139	-358195	-18595	-709577	-811675	SLU 29	2.266	Si
80	18.1	0.9	0	2,3,4	77195	-689461	-63281	186985	-1670032	SLU 30	1.822	Si
290	18.1	0.9	0	2,3,4	257058	562960	-61899	655989	1436622	SLU 30	2.552	Si
110	18.1	0.9	0	2,3,4	102890	-510544	-63083	286033	-1419304	SLU 30	2.78	Si
741	18.1	1.1	0	5	223960	334197	-17865	625104	932790	SLU 30	2.791	Si
508	18.1	1.1	0	5	-254103	-281367	-18443	-753150	-833960	SLU 29	2.964	Si
260	18.1	0.9	0	2,3,4	231364	384043	-62096	689132	1143898	SLU 30	2.979	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	-27601	-4965393	-45577	-4561	-820472	SLV 15	0.165				No
20	18.1	1.8	0	1,2,3,4	12382	-4259908	-45429	2461	-846733	SLV 15	0.199				No
350	18.1	0.9	0	2,3,4	503606	3734731	-43759	116386	863117	SLV 15	0.231				No
50	18.1	1.8	0	1,2,3,4	59976	-3523554	-45276	15117	-888096	SLV 15	0.252				No
320	18.1	0.9	0	2,3,4	459928	3019889	-43909	139994	919202	SLV 15	0.304				No
80	18.1	0.9	0	2,3,4	104502	-2796597	-45124	35814	-958413	SLV 15	0.343				No
290	18.1	0.9	0	2,3,4	415508	2292961	-44061	186498	1029181	SLV 15	0.449				No
110	18.1	0.9	0	2,3,4	148957	-2069670	-44972	79234	-1100911	SLV 15	0.532				No
420	18.1	2.3	0	2,3,4,5	-395375	-1350636	-19083	-217510	-743031	SLV 15	0.55				No
449	18.1	2.3	0	2,3,4,5	-339383	-1148369	-18968	-229317	-775938	SLV 15	0.676				No
770	18.1	1.1	0	5	286274	1112221	-17687	198471	771092	SLV 15	0.693				No
260	18.1	0.9	0	2,3,4	371089	1566112	-44212	296301	1250485	SLV 15	0.798				No
478	18.1	2.3	0	2,3,4,5	-282414	-942581	-18852	-246948	-824212	SLV 15	0.874				No
741	18.1	1.1	0	5	230280	909963	-17802	208564	824152	SLV 15	0.906				No
140	18.1	0.9	0	2,3,4	193393	-1342825	-44820	208132	-1445166	SLV 15	1.076				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-11712	-2700458	-45451	-4233	-976079	SLD 15	0.361	No
20	18.1	1.8	0	1,2,3,4	14994	-2317015	-45303	6750	-1043049	SLD 15	0.45	No
350	18.1	0.9	0	2,3,4	334438	2028139	-43633	179904	1090995	SLD 15	0.538	No
50	18.1	1.8	0	1,2,3,4	45452	-1916794	-45149	27471	-1158497	SLD 15	0.604	No
320	18.1	0.9	0	2,3,4	305981	1639609	-43782	229185	1228092	SLD 15	0.749	No
80	18.1	0.9	0	2,3,4	74439	-1521679	-44997	66704	-1363568	SLD 15	0.896	No
420	18.1	2.3	0	2,3,4,5	-338747	-807946	-16629	-338337	-806969	SLD 15	0.999	No
290	18.1	0.9	0	2,3,4	277042	1244507	-43934	321682	1445034	SLD 15	1.161	Si
449	18.1	2.3	0	2,3,4,5	-291590	-687320	-16514	-359604	-847641	SLD 15	1.233	Si
770	18.1	1.1	0	5	235348	660772	-15233	304274	854292	SLD 15	1.293	Si
110	18.1	0.9	0	2,3,4	103393	-1126578	-44846	152517	-1661832	SLD 15	1.475	Si
478	18.1	2.3	0	2,3,4,5	-243610	-564592	-16398	-390643	-905357	SLD 15	1.604	Si
741	18.1	1.1	0	5	188190	540150	-15348	324120	930299	SLD 15	1.722	Si
260	18.1	0.9	0	2,3,4	248103	849439	-44086	480755	1645978	SLD 15	1.938	Si
508	18.1	1.1	0	5	-195630	-441871	-16281	-436591	-986129	SLD 15	2.232	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.133	11	0.181	0.049	0.134	SLV 15	No
20	0.19	22	0.24	0.07	0.193	SLV 15	No
350	0.228	32	0.28	0.086	0.235	SLV 15	No
50	0.275	47	0.328	0.105	0.288	SLV 15	No
320	0.334	68	0.382	0.127	0.349	SLV 15	No
80	0.402	98	0.443	0.153	0.42	SLV 15	No
290	0.508	158	0.539	0.191	0.526	SLV 15	No
110	0.616	238	0.638	0.23	0.632	SLV 15	No
420	0.441	118	0.479	0.167	0.459	SLV 15	No
449	0.605	229	0.628	0.226	0.621	SLV 15	No
770	0.637	256	0.657	0.237	0.652	SLV 15	No
260	0.838	465	0.84	0.307	0.843	SLV 15	No
478	0.852	482	0.852	0.312	0.856	SLV 15	No
741	0.895	543	0.895	0.327	0.898	SLV 15	No
140	1.055	810	1.054	0.383	1.052	SLV 15	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.3	7	0.378	0.04	0.286	SLD 15	No
20	0.431	15	0.517	0.058	0.413	SLD 15	No
350	0.514	22	0.605	0.07	0.498	SLD 15	No
50	0.621	31	0.696	0.086	0.606	SLD 15	No
320	0.754	48	0.833	0.107	0.755	SLD 15	No
80	0.908	68	0.961	0.128	0.904	SLD 15	No
420	0.998	82	1.037	0.14	0.99	SLD 15	Si
290	1.148	109	1.166	0.161	1.139	SLD 15	Si
449	1.371	157	1.354	0.191	1.355	SLD 15	Si
770	1.438	174	1.412	0.2	1.419	SLD 15	Si
110	1.393	163	1.375	0.194	1.377	SLD 15	Si
478	1.926	328	1.831	0.264	1.873	SLD 15	Si
741	2.02	363	1.909	0.276	1.956	SLD 15	Si
260	1.893	316	1.803	0.26	1.842	SLD 15	Si
508	2.828	796	2.634	0.38	2.696	SLD 15	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	5964	-61507	SLU 30	12670	4223	40745	2.5	2.12	856	-61507	SLU 30	12670	4223	40745	2.5	14.79	Si
320	2X/2Y ø6/23.9	5964	-61701	SLU 30	12670	4223	40745	2.5	2.12	856	-61701	SLU 30	12670	4223	40745	2.5	14.79	Si
290	2X/2Y ø6/23.9	5964	-61899	SLU 30	12670	4223	40745	2.5	2.12	856	-61899	SLU 30	12670	4223	40745	2.5	14.79	Si
80	2X/2Y ø6/23.9	5964	-63281	SLU 30	12670	4223	40745	2.5	2.12	856	-63281	SLU 30	12670	4223	40745	2.5	14.79	Si

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
110	2X/2Y ø6/23.9	5964	-63083	SLU 30	12670	4223	40745	2.5	2.12	856	-63083	SLU 30	12670	4223	40745	2.5	14.79	Si
140	2X/2Y ø6/23.9	5964	-62886	SLU 30	12670	4223	40745	2.5	2.12	856	-62886	SLU 30	12670	4223	40745	2.5	14.79	Si
170	2X/2Y ø6/23.9	5964	-62689	SLU 30	12670	4223	40745	2.5	2.12	856	-62689	SLU 30	12670	4223	40745	2.5	14.79	Si
200	2X/2Y ø6/23.9	5964	-62492	SLU 30	12670	4223	40745	2.5	2.12	856	-62492	SLU 30	12670	4223	40745	2.5	14.79	Si
230	2X/2Y ø6/23.9	5964	-62294	SLU 30	12670	4223	40745	2.5	2.12	856	-62294	SLU 30	12670	4223	40745	2.5	14.79	Si
260	2X/2Y ø6/23.9	5964	-62096	SLU 30	12670	4223	40745	2.5	2.12	856	-62096	SLU 30	12670	4223	40745	2.5	14.79	Si
-10	2X/2Y ø6/23.9	5964	-63870	SLU 30	12670	4223	40745	2.5	2.12	856	-63870	SLU 30	12670	4223	40745	2.5	14.79	Si
20	2X/2Y ø6/23.9	5964	-63678	SLU 30	12670	4223	40745	2.5	2.12	856	-63678	SLU 30	12670	4223	40745	2.5	14.79	Si
50	2X/2Y ø6/23.9	5964	-63478	SLU 30	12670	4223	40745	2.5	2.12	856	-63478	SLU 30	12670	4223	40745	2.5	14.79	Si
770	2X/2Y ø6/24.8	2634	-17080	SLU 29	7386	3562	27624	2.5	2.8	2056	-17716	SLU 30	7469	3562	27710	2.5	3.63	Si
741	2X/2Y ø6/24.8	2634	-17230	SLU 29	7405	3562	27644	2.5	2.81	2056	-17865	SLU 30	7488	3562	27730	2.5	3.64	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	29393	-43818	SLV 15	12166	4223	38594	2.5	0.41	5761	-36252	SLV 7	11165	4223	37559	2.5	1.94	No
320	2X/2Y ø6/23.9	29393	-43967	SLV 15	12186	4223	38615	2.5	0.41	5761	-36401	SLV 7	11185	4223	37579	2.5	1.94	No
290	2X/2Y ø6/23.9	29393	-44119	SLV 15	12206	4223	38636	2.5	0.42	5761	-36553	SLV 7	11205	4223	37600	2.5	1.94	No
260	2X/2Y ø6/23.9	29393	-44271	SLV 15	12226	4223	38656	2.5	0.42	5761	-36705	SLV 7	11225	4223	37621	2.5	1.95	No
230	2X/2Y ø6/23.9	29393	-44423	SLV 15	12246	4223	38677	2.5	0.42	5761	-36857	SLV 7	11245	4223	37641	2.5	1.95	No
200	2X/2Y ø6/23.9	29393	-44575	SLV 15	12267	4223	38698	2.5	0.42	5761	-37009	SLV 7	11265	4223	37662	2.5	1.96	No
170	2X/2Y ø6/23.9	29393	-44726	SLV 15	12287	4223	38719	2.5	0.42	5761	-37160	SLV 7	11285	4223	37683	2.5	1.96	No
140	2X/2Y ø6/23.9	29393	-44878	SLV 15	12307	4223	38740	2.5	0.42	5761	-37312	SLV 7	11305	4223	37704	2.5	1.96	No
110	2X/2Y ø6/23.9	29393	-45030	SLV 15	12327	4223	38760	2.5	0.42	5761	-37464	SLV 7	11326	4223	37725	2.5	1.97	No
80	2X/2Y ø6/23.9	29393	-45182	SLV 15	12347	4223	38781	2.5	0.42	5761	-37616	SLV 7	11346	4223	37745	2.5	1.97	No
50	2X/2Y ø6/23.9	29393	-45334	SLV 15	12367	4223	38802	2.5	0.42	5761	-37768	SLV 7	11366	4223	37766	2.5	1.97	No
20	2X/2Y ø6/23.9	29393	-45488	SLV 15	12387	4223	38823	2.5	0.42	5761	-37922	SLV 7	11386	4223	37787	2.5	1.98	No
-10	2X/2Y ø6/23.9	29393	-45635	SLV 15	12407	4223	38843	2.5	0.42	5761	-38069	SLV 7	11406	4223	37807	2.5	1.98	No
770	2X/2Y ø6/24.8	8384	-18831	SLV 15	7614	3562	27860	2.5	0.91	7097	-13742	SLV 7	6952	3562	27175	2.5	0.98	No
741	2X/2Y ø6/24.8	8384	-18946	SLV 15	7629	3562	27875	2.5	0.91	7097	-13857	SLV 7	6967	3562	27190	2.5	0.98	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	13171	-43633	SLD 15	12142	4223	38569	2.5	0.92	2383	-40978	SLD 7	11791	4223	38206	2.5	4.95	No
320	2X/2Y ø6/23.9	13171	-43782	SLD 15	12162	4223	38590	2.5	0.92	2383	-41127	SLD 7	11810	4223	38226	2.5	4.96	No
290	2X/2Y ø6/23.9	13171	-43934	SLD 15	12182	4223	38610	2.5	0.92	2383	-41279	SLD 7	11830	4223	38247	2.5	4.96	No
260	2X/2Y ø6/23.9	13171	-44086	SLD 15	12202	4223	38631	2.5	0.93	2383	-41431	SLD 7	11851	4223	38268	2.5	4.97	No
230	2X/2Y ø6/23.9	13171	-44238	SLD 15	12222	4223	38652	2.5	0.93	2383	-41583	SLD 7	11871	4223	38289	2.5	4.98	No
200	2X/2Y ø6/23.9	13171	-44390	SLD 15	12242	4223	38673	2.5	0.93	2383	-41735	SLD 7	11891	4223	38309	2.5	4.99	No
170	2X/2Y ø6/23.9	13171	-44542	SLD 15	12262	4223	38694	2.5	0.93	2383	-41887	SLD 7	11911	4223	38330	2.5	5	No
140	2X/2Y ø6/23.9	13171	-44694	SLD 15	12282	4223	38714	2.5	0.93	2383	-42039	SLD 7	11931	4223	38351	2.5	5.01	No
110	2X/2Y ø6/23.9	13171	-44846	SLD 15	12302	4223	38735	2.5	0.93	2383	-42191	SLD 7	11951	4223	38372	2.5	5.01	No
80	2X/2Y ø6/23.9	13171	-44997	SLD 15	12322	4223	38756	2.5	0.94	2383	-42342	SLD 7	11971	4223	38392	2.5	5.02	No
50	2X/2Y ø6/23.9	13171	-45149	SLD 15	12343	4223	38777	2.5	0.94	2383	-42494	SLD 7	11991	4223	38413	2.5	5.03	No
20	2X/2Y ø6/23.9	13171	-45303	SLD 15	12363	4223	38798	2.5	0.94	2383	-42648	SLD 7	12012	4223	38434	2.5	5.04	No
-10	2X/2Y ø6/23.9	13171	-45451	SLD 15	12382	4223	38818	2.5	0.94	2383	-42796	SLD 7	12031	4223	38454	2.5	5.05	No
770	2X/2Y ø6/24.8	4208	-15233	SLD 15	7146	3562	27376	2.5	1.7	3399	-13445	SLD 7	6913	3562	27135	2.5	2.03	Si
741	2X/2Y ø6/24.8	4208	-15348	SLD 15	7160	3562	27391	2.5	1.7	3399	-13560	SLD 7	6928	3562	27150	2.5	2.04	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.31	59	0.36	0.118	0.324	SLV 15	No
320	0.311	59	0.36	0.118	0.324	SLV 15	No
290	0.312	60	0.363	0.119	0.327	SLV 15	No
260	0.313	60	0.363	0.119	0.327	SLV 15	No
230	0.313	60	0.363	0.119	0.327	SLV 15	No
200	0.314	61	0.365	0.12	0.33	SLV 15	No
170	0.314	61	0.365	0.12	0.33	SLV 15	No
140	0.315	61	0.365	0.12	0.33	SLV 15	No
110	0.316	61	0.365	0.12	0.33	SLV 15	No
80	0.317	62	0.368	0.121	0.333	SLV 15	No
50	0.318	62	0.368	0.121	0.333	SLV 15	No
20	0.318	62	0.368	0.121	0.333	SLV 15	No
-10	0.319	63	0.37	0.122	0.336	SLV 15	No
770	0.865	501	0.866	0.316	0.869	SLV 15	No
741	0.867	504	0.868	0.317	0.871	SLV 15	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.883	65	0.943	0.124	0.881	SLD 15	No
320	0.885	65	0.943	0.124	0.881	SLD 15	No
290	0.887	66	0.949	0.125	0.888	SLD 15	No
260	0.891	66	0.949	0.125	0.888	SLD 15	No
230	0.891	66	0.949	0.125	0.888	SLD 15	No
200	0.895	67	0.955	0.126	0.896	SLD 15	No
170	0.896	67	0.955	0.126	0.896	SLD 15	No
140	0.898	67	0.955	0.126	0.896	SLD 15	No
110	0.9	67	0.955	0.126	0.896	SLD 15	No
80	0.902	68	0.961	0.128	0.904	SLD 15	No
50	0.906	68	0.961	0.128	0.904	SLD 15	No
20	0.908	68	0.961	0.128	0.904	SLD 15	No
-10	0.91	69	0.966	0.129	0.911	SLD 15	No
770	1.865	570	2.297	0.333	2.362	SLD 15	Si
741	1.871	574	2.303	0.334	2.367	SLD 15	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 19

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.

Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x65	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x60	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.1	17.2	-27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.1	17.2	27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.1	-17.2	27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.2	-17.2	-27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.2	17.2	27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.3	17.2	-27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.4	-17.2	27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.5	-12.2	-27.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1
p.5	17.2	-27.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1
p.5	17.2	22.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1
p.5	-12.2	22.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.2	0	1,2,3,4	269014	-813464	-77556	723281	-2187107	SLU 36	2.689	Si
20	18.1	1.2	0	1,2,3,4	227975	-700920	-77279	669575	-2058634	SLU 36	2.937	Si
50	18.1	1.2	0	1,2,3,4	185140	-583449	-76990	595296	-1876007	SLU 36	3.215	Si
350	18.1	0.6	0	2,3,4	-237048	574359	-74143	-776579	1881620	SLU 36	3.276	Si
80	18.1	0.6	0	2,3,4	142851	-467475	-76705	501949	-1642611	SLU 36	3.514	Si
320	18.1	0.6	0	2,3,4	-195464	460318	-74423	-698614	1645238	SLU 36	3.574	Si
110	18.1	0.6	0	2,3,4	100562	-351501	-76420	385876	-1348782	SLU 36	3.837	Si
290	18.1	0.6	0	2,3,4	-153175	344344	-74709	-597220	1342581	SLU 36	3.899	Si
140	18.1	0.6	0	2,3,4	58272	-235527	-76134	238248	-962957	SLU 36	4.089	Si
170	18.1	0.6	0	2,3,4	15983	-119553	-75849	65592	-490631	SLU 36	4.104	Si
200	18.1	0.6	0	2,3,4	-26215	-3828	-75565	-107991	-15768	SLU 36	4.119	Si
230	18.1	0.6	0	2,3,4	-68596	112396	-75279	-283643	464756	SLU 36	4.135	Si
260	18.1	0.6	0	2,3,4	-110885	228370	-74994	-460253	947899	SLU 36	4.151	Si
420	18.1	1.5	0	2,3,4,5	8626	-119810	-30003	71344	-990901	SLU 35	8.271	Si
449	18.1	1.5	0	2,3,4,5	9835	-100400	-29780	85013	-867822	SLU 35	8.644	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.2	0	1,2,3,4	-2758939	-6259519	-56130	-368760	-836647	SLV 15	0.134				No
20	18.1	1.2	0	1,2,3,4	-2387266	-5388019	-55917	-381857	-861844	SLV 15	0.16				No
350	18.1	0.6	0	2,3,4	1824844	4487250	-53505	362942	892466	SLV 15	0.199				No
50	18.1	1.2	0	1,2,3,4	-1999333	-4478377	-55695	-402480	-901530	SLV 15	0.201				No
320	18.1	0.6	0	2,3,4	1448258	3604164	-53721	384100	955880	SLV 15	0.265				No
80	18.1	0.6	0	2,3,4	-1616357	-3580324	-55476	-436944	-967855	SLV 15	0.27				No
290	18.1	0.6	0	2,3,4	1065325	2706113	-53940	427692	1086412	SLV 15	0.401				No
110	18.1	0.6	0	2,3,4	3768032	786953	-44630	1528018	319126	SLV 5	0.406				No
420	18.1	1.5	0	2,3,4,5	-134860	-1169979	-20242	-96360	-835970	SLV 15	0.715				No
140	18.1	0.6	0	2,3,4	2566108	519561	-44411	1874833	379598	SLV 5	0.731				No
770	18.1	0.8	0	5	242530	1064060	-18148	189001	829210	SLV 15	0.779				No
260	18.1	0.6	0	2,3,4	682491	1808067	-54159	534718	1416585	SLV 15	0.783				No
449	18.1	1.5	0	2,3,4,5	-104017	-986649	-20070	-93775	-889494	SLV 15	0.902				No
741	18.1	0.8	0	5	-1279149	203170	-13658	-1286422	204325	SLV 9	1.006				Si
478	18.1	1.5	0	2,3,4,5	-72712	-800162	-19895	-89275	-982429	SLV 15	1.228				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.2	0	1,2,3,4	-1084357	-3110755	-56117	-360747	-1034895	SLD 15	0.333	No
20	18.1	1.2	0	1,2,3,4	-940237	-2677934	-55904	-391977	-1116407	SLD 15	0.417	No
350	18.1	0.6	0	2,3,4	693072	2226505	-53492	379384	1218778	SLD 15	0.547	No
50	18.1	1.2	0	1,2,3,4	-789814	-2226170	-55682	-443355	-1249641	SLD 15	0.561	No
320	18.1	0.6	0	2,3,4	547049	1787931	-53708	440919	1441064	SLD 15	0.806	No
80	18.1	0.6	0	2,3,4	-641312	-1780162	-55463	-528921	-1468185	SLD 15	0.825	No
290	18.1	0.6	0	2,3,4	398566	1341923	-53927	548225	1845805	SLD 15	1.375	Si
110	18.1	0.6	0	2,3,4	-492823	-1334155	-55243	-679705	-1840075	SLD 15	1.379	Si
420	18.1	1.5	0	2,3,4,5	315825	-524639	-19583	714428	-1186785	SLD 13	2.262	Si
770	18.1	0.8	0	5	-282958	486463	-17489	-678871	1167119	SLD 13	2.399	Si
140	18.1	0.6	0	2,3,4	-1052715	-485022	-59705	-2619968	-1207110	SLD 11	1.889	Si
260	18.1	0.6	0	2,3,4	250128	895918	-54146	649859	2327693	SLD 15	2.598	Si
449	18.1	1.5	0	2,3,4,5	266936	-441604	-19411	786807	-1301648	SLD 13	2.948	Si
741	18.1	0.8	0	5	-234093	403422	-17661	-760489	1310580	SLD 13	3.249	Si
478	18.1	1.5	0	2,3,4,5	217274	-357126	-19236	874198	-1436890	SLD 13	4.023	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.183	21	0.236	0.069	0.188	SLV 15	No
20	0.228	32	0.28	0.086	0.235	SLV 15	No
350	0.288	51	0.339	0.109	0.301	SLV 15	No
50	0.292	53	0.345	0.112	0.307	SLV 15	No
320	0.383	89	0.426	0.146	0.4	SLV 15	No
80	0.388	91	0.43	0.147	0.404	SLV 15	No
290	0.543	181	0.57	0.204	0.56	SLV 15	No
110	0.547	184	0.574	0.205	0.564	SLV 15	No
420	0.772	389	0.78	0.284	0.781	SLV 15	No
140	0.844	472	0.845	0.309	0.849	SLV 5	No
770	0.823	447	0.826	0.302	0.829	SLV 15	No
260	0.862	497	0.863	0.315	0.867	SLV 15	No
449	0.927	592	0.927	0.338	0.929	SLV 15	No
741	1.004	718	1.003	0.365	1.003	SLV 9	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
478	1.153	1010	1.154	0.417	1.147	SLV 15	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.414	14	0.503	0.056	0.397	SLD 15	No
20	0.514	22	0.605	0.07	0.498	SLD 15	No
350	0.65	35	0.732	0.09	0.638	SLD 15	No
50	0.66	36	0.74	0.092	0.649	SLD 15	No
320	0.865	62	0.925	0.122	0.865	SLD 15	No
80	0.877	64	0.937	0.123	0.873	SLD 15	No
290	1.227	124	1.229	0.171	1.214	SLD 15	Si
110	1.236	126	1.237	0.173	1.225	SLD 15	Si
420	1.748	265	1.678	0.241	1.708	SLD 15	Si
770	1.861	305	1.777	0.256	1.813	SLD 15	Si
140	1.908	322	1.817	0.262	1.856	SLD 5	Si
260	1.949	336	1.849	0.267	1.892	SLD 15	Si
449	2.096	395	1.976	0.286	2.027	SLD 15	Si
741	2.271	470	2.122	0.309	2.186	SLD 9	Si
478	2.608	655	1.832	0.352	1.895	SLD 15	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	3866	-74143	SLU 36	18301	4223	57233	2.5	4.73	-1805	-63652	SLU 19	17266	6351	58089	2.5	9.56	Si
320	2X/2Y ø6/23.9	3866	-74423	SLU 36	18301	4223	57271	2.5	4.73	-1805	-63932	SLU 19	17305	6351	58129	2.5	9.58	Si
290	2X/2Y ø6/23.9	3866	-74709	SLU 36	18301	4223	57310	2.5	4.73	-1805	-64218	SLU 19	17344	6351	58169	2.5	9.61	Si
80	2X/2Y ø6/23.9	3866	-76705	SLU 36	18301	4223	57584	2.5	4.73	-1805	-66214	SLU 19	17619	6351	58454	2.5	9.76	Si
110	2X/2Y ø6/23.9	3866	-76420	SLU 36	18301	4223	57545	2.5	4.73	-1805	-65929	SLU 19	17580	6351	58413	2.5	9.74	Si
140	2X/2Y ø6/23.9	3866	-76134	SLU 36	18301	4223	57506	2.5	4.73	-1805	-65644	SLU 19	17540	6351	58373	2.5	9.72	Si
170	2X/2Y ø6/23.9	3866	-75849	SLU 36	18301	4223	57467	2.5	4.73	-1805	-65358	SLU 19	17501	6351	58332	2.5	9.69	Si
200	2X/2Y ø6/23.9	3866	-75565	SLU 36	18301	4223	57428	2.5	4.73	-1805	-65074	SLU 19	17462	6351	58291	2.5	9.67	Si
230	2X/2Y ø6/23.9	3866	-75279	SLU 36	18301	4223	57388	2.5	4.73	-1805	-64788	SLU 19	17423	6351	58251	2.5	9.65	Si
260	2X/2Y ø6/23.9	3866	-74994	SLU 36	18301	4223	57349	2.5	4.73	-1805	-64503	SLU 19	17383	6351	58210	2.5	9.63	Si
-10	2X/2Y ø6/23.9	3866	-77556	SLU 36	18301	4223	57700	2.5	4.73	-1805	-67065	SLU 19	17736	6351	58575	2.5	9.82	Si
20	2X/2Y ø6/23.9	3866	-77279	SLU 36	18301	4223	57662	2.5	4.73	-1805	-66788	SLU 19	17698	6351	58536	2.5	9.8	Si
50	2X/2Y ø6/23.9	3866	-76990	SLU 36	18301	4223	57623	2.5	4.73	-1805	-66499	SLU 19	17658	6351	58494	2.5	9.78	Si
770	2X/2Y ø6/24.8	802	-23711	SLU 19	10830	3562	41179	2.5	13.5	-213	-24386	SLU 20	10426	5615	43371	2.5	48.87	Si
741	2X/2Y ø6/24.8	802	-23935	SLU 19	10860	3562	41209	2.5	13.53	-213	-24610	SLU 20	10456	5615	43403	2.5	49.02	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	36963	-53511	SLV 15	16279	4223	54408	2.5	0.44	-50160	-40122	SLV 5	14024	6351	54735	2.5	0.28	No
320	2X/2Y ø6/23.9	36963	-53727	SLV 15	16308	4223	54438	2.5	0.44	-50160	-40338	SLV 5	14054	6351	54766	2.5	0.28	No
290	2X/2Y ø6/23.9	36963	-53946	SLV 15	16337	4223	54468	2.5	0.44	-50160	-40557	SLV 5	14084	6351	54797	2.5	0.28	No
260	2X/2Y ø6/23.9	36963	-54165	SLV 15	16366	4223	54498	2.5	0.44	-50160	-40777	SLV 5	14115	6351	54829	2.5	0.28	No
230	2X/2Y ø6/23.9	36963	-54385	SLV 15	16395	4223	54528	2.5	0.44	-50160	-40996	SLV 5	14145	6351	54860	2.5	0.28	No
200	2X/2Y ø6/23.9	36963	-54605	SLV 15	16424	4223	54558	2.5	0.44	-50160	-41216	SLV 5	14175	6351	54891	2.5	0.28	No
170	2X/2Y ø6/23.9	36963	-54823	SLV 15	16453	4223	54588	2.5	0.45	-50160	-41435	SLV 5	14205	6351	54922	2.5	0.28	No
140	2X/2Y ø6/23.9	36963	-55043	SLV 15	16482	4223	54618	2.5	0.45	-50160	-41654	SLV 5	14235	6351	54954	2.5	0.28	No
110	2X/2Y ø6/23.9	36963	-55262	SLV 15	16511	4223	54648	2.5	0.45	-50160	-41874	SLV 5	14266	6351	54985	2.5	0.28	No
80	2X/2Y ø6/23.9	36963	-55482	SLV 15	16540	4223	54678	2.5	0.45	-50160	-42093	SLV 5	14296	6351	55016	2.5	0.29	No
50	2X/2Y ø6/23.9	36963	-55701	SLV 15	16569	4223	54708	2.5	0.45	-50160	-42312	SLV 5	14326	6351	55047	2.5	0.29	No
20	2X/2Y ø6/23.9	36963	-55923	SLV 15	16598	4223	54739	2.5	0.45	-50160	-42535	SLV 5	14357	6351	55079	2.5	0.29	No
-10	2X/2Y ø6/23.9	36963	-56136	SLV 15	16627	4223	54768	2.5	0.45	-50160	-42748	SLV 5	14386	6351	55109	2.5	0.29	No
770	2X/2Y ø6/24.8	7927	-17829	SLV 15	10065	3562	40387	2.5	1.27	-10701	-11954	SLV 9	8726	5615	41613	2.5	0.82	No
741	2X/2Y ø6/24.8	7927	-18001	SLV 15	10087	3562	40411	2.5	1.27	-10701	-12126	SLV 9	8749	5615	41637	2.5	0.82	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	14867	-53492	SLD 15	16277	4223	54406	2.5	1.09	-18429	-48790	SLD 5	15219	6351	55971	2.5	0.83	No
320	2X/2Y ø6/23.9	14867	-53708	SLD 15	16305	4223	54435	2.5	1.1	-18429	-49006	SLD 5	15248	6351	56001	2.5	0.83	No
290	2X/2Y ø6/23.9	14867	-53927	SLD 15	16334	4223	54465	2.5	1.1	-18429	-49225	SLD 5	15279	6351	56033	2.5	0.83	No
260	2X/2Y ø6/23.9	14867	-54146	SLD 15	16363	4223	54495	2.5	1.1	-18429	-49445	SLD 5	15309	6351	56064	2.5	0.83	No
230	2X/2Y ø6/23.9	14867	-54366	SLD 15	16392	4223	54525	2.5	1.1	-18429	-49664	SLD 5	15339	6351	56095	2.5	0.83	No
200	2X/2Y ø6/23.9	14867	-54586	SLD 15	16421	4223	54556	2.5	1.1	-18429	-49884	SLD 5	15369	6351	56127	2.5	0.83	No
170	2X/2Y ø6/23.9	14867	-54805	SLD 15	16450	4223	54586	2.5	1.11	-18429	-50103	SLD 5	15399	6351	56158	2.5	0.84	No
140	2X/2Y ø6/23.9	14867	-55024	SLD 15	16479	4223	54616	2.5	1.11	-18429	-50322	SLD 5	15430	6351	56189	2.5	0.84	No
110	2X/2Y ø6/23.9	14867	-55243	SLD 15	16508	4223	54646	2.5	1.11	-18429	-50542	SLD 5	15460	6351	56220	2.5	0.84	No
80	2X/2Y ø6/23.9	14867	-55463	SLD 15	16537	4223	54676	2.5	1.11	-18429	-50761	SLD 5	15490	6351	56252	2.5	0.84	No
50	2X/2Y ø6/23.9	14867	-55682	SLD 15	16566	4223	54706	2.5	1.11	-18429	-50980	SLD 5	15520	6351	56283	2.5	0.84	No
20	2X/2Y ø6/23.9	14867	-55904	SLD 15	16596	4223	54736	2.5	1.12	-18429	-51203	SLD 5	15551	6351	56314	2.5	0.84	No
-10	2X/2Y ø6/23.9	14867	-56117	SLD 15	16624	4223	54765	2.5	1.12	-18429	-51415	SLD 5	15580	6351	56345	2.5	0.85	No
770	2X/2Y ø6/24.8	3119	-18834	SLD 15	10196	3562	40523	2.5	3.27	-3813	-16771	SLD 9	9384	5615	42294	2.5	1.86	Si
741	2X/2Y ø6/24.8	3119	-19006	SLD 15	10218	3562	40546	2.5	3.28	-3813	-16943	SLD 9	9408	5615	42318	2.5	1.87	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.288	51	0.339	0.109	0.301	SLV 5	No
320	0.289	52	0.342	0.111	0.304	SLV 5	No
290	0.289	52	0.342	0.111	0.304	SLV 5	No
260	0.29	52	0.342	0.111	0.304	SLV 5	No
230	0.29	52	0.342	0.111	0.304	SLV 5	No
200	0.291	52	0.342	0.111	0.304	SLV 5	No
170	0.292	53	0.345	0.112	0.307	SLV 5	No
140	0.292	53	0.345	0.112	0.307	SLV 5	No
110	0.293	53	0.345	0.112	0.307	SLV 5	No
80	0.293	53	0.345	0.112	0.307	SLV 5	No
50	0.294	53	0.345	0.112	0.307	SLV 5	No
20	0.294	54	0.347	0.113	0.31	SLV 5	No
-10	0.295	54	0.347	0.113	0.31	SLV 5	No
770	0.83	456	0.833	0.304	0.836	SLV 9	No
741	0.832	458	0.835	0.305	0.838	SLV 9	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.82	56	0.887	0.115	0.817	SLD 5	No
320	0.822	57	0.894	0.116	0.825	SLD 5	No
290	0.823	57	0.894	0.116	0.825	SLD 5	No
260	0.824	57	0.894	0.116	0.825	SLD 5	No
230	0.826	57	0.894	0.116	0.825	SLD 5	No
200	0.828	57	0.894	0.116	0.825	SLD 5	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
170	0.83	58	0.9	0.118	0.833	SLD 5	No
140	0.832	58	0.9	0.118	0.833	SLD 5	No
110	0.834	58	0.9	0.118	0.833	SLD 5	No
80	0.836	58	0.9	0.118	0.833	SLD 5	No
50	0.836	58	0.9	0.118	0.833	SLD 5	No
20	0.838	59	0.906	0.119	0.841	SLD 5	No
-10	0.84	59	0.906	0.119	0.841	SLD 5	No
770	2.371	520	2.212	0.321	2.276	SLD 9	Si
741	2.377	523	2.217	0.322	2.28	SLD 9	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 20

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-327200	143020	-18906	-1115681	487669	SLU 30	3.41	Si
-10	18.1	1.8	0	1,2,3,4	2885	-151701	-61842	10572	-555902	SLU 36	3.664	Si
20	18.1	1.8	0	1,2,3,4	18317	-128591	-61651	67331	-472681	SLU 36	3.676	Si
50	18.1	1.8	0	1,2,3,4	34425	-104470	-61451	126952	-385264	SLU 36	3.688	Si
350	18.1	0.9	0	2,3,4	215987	120833	-59404	798631	446789	SLU 30	3.698	Si
80	18.1	0.9	0	2,3,4	50327	-80656	-61253	186195	-298401	SLU 36	3.7	Si
110	18.1	0.9	0	2,3,4	66230	-56842	-61056	245821	-210976	SLU 36	3.712	Si
140	18.1	0.9	0	2,3,4	82132	-33027	-60858	305834	-122984	SLU 36	3.724	Si
170	18.1	0.9	0	2,3,4	98034	-9213	-60661	366238	-34419	SLU 36	3.736	Si
200	18.1	0.9	0	2,3,4	113903	14550	-60464	426905	54532	SLU 36	3.748	Si
230	18.1	0.9	0	2,3,4	129839	38415	-60266	488233	144452	SLU 36	3.76	Si
320	18.1	0.9	0	2,3,4	198473	99904	-59598	747701	376365	SLU 30	3.767	Si
260	18.1	0.9	0	2,3,4	145742	62229	-60069	549831	234769	SLU 36	3.773	Si
290	18.1	0.9	0	2,3,4	161644	86044	-59871	611837	325682	SLU 36	3.785	Si
449	18.1	2.3	0	2,3,4,5	-282934	122324	-18757	-1144180	494674	SLU 30	4.044	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	-20056	-4354702	-43991	-3853	-836578	SLV 15	0.192				No
20	18.1	1.8	0	1,2,3,4	12513	-3740114	-43843	2899	-866432	SLV 15	0.232				No
350	18.1	0.9	0	2,3,4	389933	3223979	-42173	107638	889959	SLV 15	0.276				No
50	18.1	1.8	0	1,2,3,4	47874	-3098627	-43689	14120	-913889	SLV 15	0.295				No
320	18.1	0.9	0	2,3,4	356241	2601219	-42323	131217	958123	SLV 15	0.368				No
80	18.1	0.9	0	2,3,4	82141	-2465312	-43538	33139	-994606	SLV 15	0.403				No
290	18.1	0.9	0	2,3,4	321979	1967904	-42474	178839	1093044	SLV 15	0.555				No
110	18.1	0.9	0	2,3,4	116405	-1831997	-43386	73693	-1159787	SLV 15	0.633				No
420	18.1	2.3	0	2,3,4,5	129006	1047864	-14664	91849	746053	SLV 1	0.712				No
449	18.1	2.3	0	2,3,4,5	107210	891179	-14550	93862	780225	SLV 1	0.875				No
770	18.1	1.1	0	5	-136588	-860091	-13268	-121681	-766224	SLV 1	0.891				No
260	18.1	0.9	0	2,3,4	287717	1334590	-42626	293594	1361849	SLV 15	1.02				Si
478	18.1	2.3	0	2,3,4,5	85040	731767	-14433	96929	834070	SLV 1	1.14				Si
741	18.1	1.1	0	5	-114799	-703415	-13383	-134095	-821649	SLV 1	1.168				Si
140	18.1	0.9	0	2,3,4	150668	-1198683	-43234	193076	-1536076	SLV 15	1.281				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-7764	-1993172	-44387	-4361	-1119658	SLD 15	0.562	No
20	18.1	1.8	0	1,2,3,4	12491	-1711195	-44240	9043	-1238922	SLD 15	0.724	No
350	18.1	0.9	0	2,3,4	245720	1483964	-42570	214285	1294124	SLD 15	0.872	No
50	18.1	1.8	0	1,2,3,4	34239	-1416878	-44086	34379	-1422680	SLD 15	1.004	Si
320	18.1	0.9	0	2,3,4	224890	1198239	-42719	277730	1479780	SLD 15	1.235	Si
80	18.1	0.9	0	2,3,4	55424	-1126310	-43934	81759	-1661486	SLD 15	1.475	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-589078	-74457	-15464	-955231	-120738	SLD 11	1.622	Si
290	18.1	0.9	0	2,3,4	203707	907671	-42871	378916	1688364	SLD 15	1.86	Si
449	18.1	2.3	0	2,3,4,5	-503666	-62930	-15349	-1038526	-129757	SLD 11	2.062	Si
110	18.1	0.9	0	2,3,4	76608	-835742	-43782	170558	-1860682	SLD 15	2.226	Si
770	18.1	1.1	0	5	450918	66292	-14068	1045913	153766	SLD 11	2.32	Si
478	18.1	2.3	0	2,3,4,5	-398498	121023	-15410	-1087969	330413	SLD 7	2.73	Si
260	18.1	0.9	0	2,3,4	182524	617104	-43023	499613	1689167	SLD 15	2.737	Si
741	18.1	1.1	0	5	158678	-326144	-13918	490569	-1008306	SLD 3	3.092	Si
140	18.1	0.9	0	2,3,4	97791	-545174	-43631	311788	-1738180	SLD 15	3.188	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.309	59	0.36	0.118	0.324	SLV 15	No
20	0.364	80	0.408	0.138	0.379	SLV 15	No
350	0.404	99	0.445	0.153	0.422	SLV 15	No
50	0.443	119	0.48	0.168	0.46	SLV 15	No
320	0.509	158	0.539	0.191	0.526	SLV 15	No
80	0.563	195	0.588	0.211	0.579	SLV 15	No
290	0.682	297	0.699	0.253	0.695	SLV 15	No
110	0.761	377	0.771	0.28	0.77	SLV 15	No
420	0.721	335	0.734	0.266	0.732	SLV 11	No
449	0.889	535	0.889	0.325	0.892	SLV 11	No
770	0.908	564	0.909	0.332	0.911	SLV 1	No
260	1.014	735	1.013	0.369	1.013	SLV 15	Si
478	1.109	916	1.109	0.402	1.105	SLV 1	Si
741	1.133	964	1.132	0.41	1.127	SLV 1	Si
140	1.162	1031	1.164	0.42	1.155	SLV 15	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.699	40	0.773	0.097	0.689	SLD 15	No
20	0.822	57	0.894	0.116	0.825	SLD 15	No
350	0.914	69	0.966	0.129	0.911	SLD 15	No
50	1.002	83	1.042	0.141	1	SLD 15	Si
320	1.149	110	1.17	0.162	1.145	SLD 15	Si
80	1.271	134	1.269	0.178	1.26	SLD 15	Si
420	1.631	228	1.578	0.226	1.601	SLD 11	Si
290	1.539	201	1.498	0.214	1.516	SLD 15	Si
449	2.011	360	1.902	0.275	1.948	SLD 11	Si
110	1.719	256	1.654	0.238	1.683	SLD 15	Si
770	2.055	378	1.941	0.281	1.99	SLD 1	Si
478	2.509	595	2.338	0.339	1.802	SLD 1	Si
260	2.289	478	2.137	0.311	2.202	SLD 15	Si
741	2.559	624	2.384	0.345	1.847	SLD 1	Si
140	2.626	665	1.847	0.354	2.51	SLD 15	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-722	-17091	SLU 30	7387	3562	27626	2.5	10.23	1544	-17091	SLU 30	7387	3562	27626	2.5	4.78	Si
741	2X/2Y ø6/24.8	-722	-17240	SLU 30	7407	3562	27646	2.5	10.26	1544	-17240	SLU 30	7407	3562	27646	2.5	4.8	Si
712	2X/2Y ø6/24.8	-722	-17392	SLU 30	7427	3562	27666	2.5	10.29	1544	-17392	SLU 30	7427	3562	27666	2.5	4.81	Si
683	2X/2Y ø6/24.8	-722	-17544	SLU 30	7446	3562	27687	2.5	10.31	1544	-17544	SLU 30	7446	3562	27687	2.5	4.82	Si
653	2X/2Y ø6/24.8	-722	-17695	SLU 30	7466	3562	27707	2.5	10.34	1544	-17695	SLU 30	7466	3562	27707	2.5	4.84	Si
624	2X/2Y ø6/24.8	-722	-17847	SLU 30	7486	3562	27727	2.5	10.37	1544	-17847	SLU 30	7486	3562	27727	2.5	4.85	Si
595	2X/2Y ø6/24.8	-722	-17999	SLU 30	7505	3562	27748	2.5	10.4	1544	-17999	SLU 30	7505	3562	27748	2.5	4.86	Si
566	2X/2Y ø6/24.8	-722	-18150	SLU 30	7525	3562	27768	2.5	10.42	1544	-18150	SLU 30	7525	3562	27768	2.5	4.87	Si
537	2X/2Y ø6/24.8	-722	-18302	SLU 30	7545	3562	27789	2.5	10.45	1544	-18302	SLU 30	7545	3562	27789	2.5	4.89	Si
508	2X/2Y ø6/24.8	-722	-18454	SLU 30	7565	3562	27809	2.5	10.48	1544	-18454	SLU 30	7565	3562	27809	2.5	4.9	Si
478	2X/2Y ø6/24.8	-722	-18605	SLU 30	7584	3562	27830	2.5	10.5	1544	-18605	SLU 30	7584	3562	27830	2.5	4.91	Si
449	2X/2Y ø6/24.8	-722	-18757	SLU 30	7604	3562	27850	2.5	10.53	1544	-18757	SLU 30	7604	3562	27850	2.5	4.92	Si
420	2X/2Y ø6/24.8	-722	-18906	SLU 30	7624	3562	27870	2.5	10.56	1544	-18906	SLU 30	7624	3562	27870	2.5	4.94	Si
350	2X/2Y ø6/23.9	953	-53158	SLU 26	12670	4223	39873	2.5	13.29	595	-58873	SLU 29	12670	4223	40655	2.5	21.28	Si
290	2X/2Y ø6/23.9	953	-53550	SLU 26	12670	4223	39927	2.5	13.29	595	-59265	SLU 29	12670	4223	40709	2.5	21.28	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	26439	-41988	SLV 15	11924	4223	38344	2.5	0.45	5037	-41741	SLV 7	11892	4223	38310	2.5	2.36	No
320	2X/2Y ø6/23.9	26439	-42138	SLV 15	11944	4223	38364	2.5	0.45	5037	-41891	SLV 7	11911	4223	38331	2.5	2.36	No
290	2X/2Y ø6/23.9	26439	-42290	SLV 15	11964	4223	38385	2.5	0.45	5037	-42043	SLV 7	11931	4223	38351	2.5	2.37	No
260	2X/2Y ø6/23.9	26439	-42441	SLV 15	11984	4223	38406	2.5	0.45	5037	-42195	SLV 7	11952	4223	38372	2.5	2.37	No
230	2X/2Y ø6/23.9	26439	-42593	SLV 15	12004	4223	38427	2.5	0.45	5037	-42346	SLV 7	11972	4223	38393	2.5	2.38	No
200	2X/2Y ø6/23.9	26439	-42745	SLV 15	12024	4223	38448	2.5	0.45	5037	-42499	SLV 7	11992	4223	38414	2.5	2.38	No
170	2X/2Y ø6/23.9	26439	-42897	SLV 15	12044	4223	38468	2.5	0.46	5037	-42650	SLV 7	12012	4223	38435	2.5	2.38	No
140	2X/2Y ø6/23.9	26439	-43049	SLV 15	12065	4223	38489	2.5	0.46	5037	-42802	SLV 7	12032	4223	38455	2.5	2.39	No
110	2X/2Y ø6/23.9	26439	-43201	SLV 15	12085	4223	38510	2.5	0.46	5037	-42954	SLV 7	12052	4223	38476	2.5	2.39	No
80	2X/2Y ø6/23.9	26439	-43353	SLV 15	12105	4223	38531	2.5	0.46	5037	-43106	SLV 7	12072	4223	38497	2.5	1.8	No
50	2X/2Y ø6/23.9	26439	-43505	SLV 15	12125	4223	38552	2.5	0.46	5037	-43258	SLV 7	12092	4223	38518	2.5	1.8	No
20	2X/2Y ø6/23.9	26439	-43658	SLV 15	12145	4223	38573	2.5	0.46	5037	-43412	SLV 7	12113	4223	38539	2.5	1.8	No
-10	2X/2Y ø6/23.9	26439	-43806	SLV 15	12165	4223	38593	2.5	0.46	5037	-43559	SLV 7	12132	4223	38559	2.5	1.81	No
770	2X/2Y ø6/24.8	-6770	-13278	SLV 1	6891	3562	27112	2.5	1.02	6597	-15617	SLV 11	7196	3562	27427	2.5	1.09	Si
741	2X/2Y ø6/24.8	-6770	-13393	SLV 1	6906	3562	27128	2.5	1.02	6597	-15732	SLV 11	7210	3562	27443	2.5	1.09	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	9686	-42570	SLD 15	12001	4223	38424	2.5	1.24	2002	-42484	SLD 7	11990	4223	38412	2.5	5.99	Si
320	2X/2Y ø6/23.9	9686	-42719	SLD 15	12021	4223	38444	2.5	1.24	2002	-42633	SLD 7	12010	4223	38432	2.5	6	Si
290	2X/2Y ø6/23.9	9686	-42871	SLD 15	12041	4223	38465	2.5	1.24	2002	-42785	SLD 7	12030	4223	38453	2.5	6.01	Si
260	2X/2Y ø6/23.9	9686	-43023	SLD 15	12061	4223	38486	2.5	1.25	2002	-42937	SLD 7	12050	4223	38474	2.5	6.02	Si
230	2X/2Y ø6/23.9	9686	-43175	SLD 15	12081	4223	38506	2.5	1.25	2002	-43089	SLD 7	12070	4223	38495	2.5	6.03	Si
200	2X/2Y ø6/23.9	9686	-43327	SLD 15	12101	4223	38527	2.5	1.25	2002	-43241	SLD 7	12090	4223	38515	2.5	6.04	Si
170	2X/2Y ø6/23.9	9686	-43479	SLD 15	12121	4223	38548	2.5	1.25	2002	-43392	SLD 7	12110	4223	38536	2.5	6.05	Si
140	2X/2Y ø6/23.9	9686	-43631	SLD 15	12142	4223	38569	2.5	1.25	2002	-43544	SLD 7	12130	4223	38557	2.5	6.06	Si
110	2X/2Y ø6/23.9	9686	-43782	SLD 15	12162	4223	38590	2.5	1.26	2002	-43696	SLD 7	12150	4223	38578	2.5	6.07	Si
80	2X/2Y ø6/23.9	9686	-43934	SLD 15	12182	4223	38610	2.5	1.26	2002	-43848	SLD 7	12170	4223	38599	2.5	6.08	Si
50	2X/2Y ø6/23.9	9686	-44086	SLD 15	12202	4223	38631	2.5	1.26	2002	-44000	SLD 7	12190	4223	38619	2.5	6.09	Si
20	2X/2Y ø6/23.9	9686	-44240	SLD 15	12222	4223	38652	2.5	1.26	2002	-44154	SLD 7	12211	4223	38640	2.5	6.1	Si
-10	2X/2Y ø6/23.9	9686	-44387	SLD 15	12242	4223	38672	2.5	1.26	2002	-44301	SLD 7	12230	4223	38661	2.5	6.11	Si
770	2X/2Y ø6/24.8	-2669	-13247	SLD 1	6887	3562	27108	2.5	2.58	2980	-14068	SLD 11	6994	3562	27219	2.5	2.35	Si
741	2X/2Y ø6/24.8	-2669	-13362	SLD 1	6902	3562	27124	2.5	2.59	2980	-14183	SLD 11	7009	3562	27234	2.5	2.35	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.44	118	0.479	0.167	0.459	SLV 15	No
320	0.441	118	0.479	0.167	0.459	SLV 15	No
290	0.442	119	0.48	0.168	0.46	SLV 15	No
260	0.442	119	0.48	0.168	0.46	SLV 15	No
230	0.443	119	0.48	0.168	0.46	SLV 15	No
200	0.444	120	0.482	0.168	0.462	SLV 15	No
170	0.445	120	0.482	0.168	0.462	SLV 15	No
140	0.446	121	0.484	0.169	0.464	SLV 15	No
110	0.446	121	0.484	0.169	0.464	SLV 15	No
80	0.447	121	0.484	0.169	0.464	SLV 15	No
50	0.448	122	0.485	0.17	0.466	SLV 15	No
20	0.449	122	0.485	0.17	0.466	SLV 15	No
-10	0.45	123	0.487	0.17	0.468	SLV 15	No
770	1.02	746	1.019	0.371	1.019	SLV 1	Si
741	1.021	749	1.021	0.371	1.02	SLV 1	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.254	131	1.257	0.176	1.245	SLD 15	Si
320	1.256	131	1.257	0.176	1.245	SLD 15	Si
290	1.258	131	1.257	0.176	1.245	SLD 15	Si
260	1.262	132	1.261	0.176	1.25	SLD 15	Si
230	1.262	132	1.261	0.176	1.25	SLD 15	Si
200	1.266	133	1.265	0.177	1.255	SLD 15	Si
170	1.268	133	1.265	0.177	1.255	SLD 15	Si
140	1.27	134	1.269	0.178	1.26	SLD 15	Si
110	1.271	134	1.269	0.178	1.26	SLD 15	Si
80	1.273	134	1.269	0.178	1.26	SLD 15	Si
50	1.277	135	1.273	0.178	1.265	SLD 15	Si
20	1.277	135	1.273	0.178	1.265	SLD 15	Si
-10	1.281	136	1.276	0.179	1.27	SLD 15	Si
770	2.904	850	2.706	0.39	2.766	SLD 1	Si
741	2.91	853	2.71	0.391	2.771	SLD 1	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 21

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	2585	-721019	-60852	6297	-1756558	SLU 30	1.836	Si
20	18.1	1.8	0	1,2,3,4	21170	-620855	-60660	55766	-1635437	SLU 30	2.634	Si
350	18.1	0.9	0	2,3,4	231768	514127	-58489	639628	1418879	SLU 30	2.76	Si
50	18.1	1.8	0	1,2,3,4	40569	-516308	-60460	116415	-1481571	SLU 30	2.87	Si
420	18.1	2.3	0	2,3,4,5	-373394	-165194	-18630	-1084178	-479652	SLU 30	2.904	Si
320	18.1	0.9	0	2,3,4	212935	412632	-58683	644987	1249876	SLU 30	3.029	Si
80	18.1	0.9	0	2,3,4	59721	-413093	-60263	186796	-1292077	SLU 30	3.128	Si
290	18.1	0.9	0	2,3,4	193783	309416	-58881	646129	1031683	SLU 30	3.334	Si
110	18.1	0.9	0	2,3,4	78873	-309877	-60065	269175	-1057541	SLU 30	3.413	Si
449	18.1	2.3	0	2,3,4,5	-322396	-139872	-18481	-1116878	-484560	SLU 30	3.464	Si
260	18.1	0.9	0	2,3,4	174632	206201	-59078	637742	753031	SLU 30	3.652	Si
140	18.1	0.9	0	2,3,4	98024	-206661	-59868	365498	-770565	SLU 30	3.729	Si
170	18.1	0.9	0	2,3,4	105352	-101487	-59702	399898	-385225	SLU 36	3.796	Si
200	18.1	0.9	0	2,3,4	122470	-264	-59505	466414	-1006	SLU 36	3.808	Si
230	18.1	0.9	0	2,3,4	139662	101395	-59307	533663	387439	SLU 36	3.821	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	40816	-4730845	-44776	7121	-825324	SLV 13	0.174				No
20	18.1	1.8	0	1,2,3,4	10692	-4065590	-44629	2242	-852474	SLV 13	0.21				No
350	18.1	0.9	0	2,3,4	-322578	3472628	-42959	-81436	876676	SLV 13	0.252				No
50	18.1	1.8	0	1,2,3,4	-19530	-3371218	-44475	-5187	-895324	SLV 13	0.266				No
320	18.1	0.9	0	2,3,4	-292723	2798527	-43108	-98272	939516	SLV 13	0.336				No
80	18.1	0.9	0	2,3,4	-49859	-2685692	-44323	-17966	-967732	SLV 13	0.36				No
290	18.1	0.9	0	2,3,4	-262363	2113001	-43260	-132219	1064855	SLV 13	0.504				No
110	18.1	0.9	0	2,3,4	-80210	-2000166	-44171	-44612	-1112491	SLV 13	0.556				No
420	18.1	2.3	0	2,3,4,5	-599379	-1058097	-15935	-405730	-716243	SLV 15	0.677				No
449	18.1	2.3	0	2,3,4,5	-512688	-899141	-15820	-422147	-740353	SLV 15	0.823				No
770	18.1	1.1	0	5	456249	877434	-14539	385412	741205	SLV 15	0.845				No
260	18.1	0.9	0	2,3,4	-232002	1427476	-43412	-218946	1347143	SLV 13	0.944				No
478	18.1	2.3	0	2,3,4,5	-424487	-737419	-15703	-445955	-774713	SLV 15	1.051				Si
741	18.1	1.1	0	5	369562	718489	-14653	402202	781946	SLV 15	1.088				Si
140	18.1	0.9	0	2,3,4	-110565	-1314641	-44020	-124582	-1481297	SLV 13	1.127				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	19067	-2374851	-44335	8192	-1020275	SLD 13	0.43	No
20	18.1	1.8	0	1,2,3,4	12105	-2041363	-44188	6529	-1101058	SLD 13	0.539	No
350	18.1	0.9	0	2,3,4	-63230	1737492	-42518	-43211	1187397	SLD 13	0.683	No
50	18.1	1.8	0	1,2,3,4	5376	-1693279	-44034	3953	-1245130	SLD 13	0.735	No
320	18.1	0.9	0	2,3,4	-56470	1399570	-42667	-56350	1396580	SLD 13	0.998	No
80	18.1	0.9	0	2,3,4	-1485	-1349630	-43882	-1623	-1475302	SLD 13	1.093	Si
420	18.1	2.3	0	2,3,4,5	-614980	-270007	-15393	-855690	-375690	SLD 11	1.391	Si
290	18.1	0.9	0	2,3,4	-49596	1055920	-42819	-80020	1703661	SLD 13	1.613	Si
449	18.1	2.3	0	2,3,4,5	-525755	-229330	-15278	-903604	-394144	SLD 11	1.719	Si
110	18.1	0.9	0	2,3,4	-8355	-1005980	-43730	-14754	-1776558	SLD 13	1.766	Si
770	18.1	1.1	0	5	295857	442898	-13699	551704	825901	SLD 15	1.865	Si
478	18.1	2.3	0	2,3,4,5	-434976	-187949	-15162	-971387	-419726	SLD 11	2.233	Si
741	18.1	1.1	0	5	238463	362936	-13814	578290	880146	SLD 15	1.825	Si
260	18.1	0.9	0	2,3,4	174287	665647	-42614	451892	1725890	SLD 15	2.593	Si
140	18.1	0.9	0	2,3,4	-15227	-662332	-43578	-43773	-1903986	SLD 13	2.875	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.217	29	0.269	0.081	0.223	SLV 13	No
20	0.272	46	0.325	0.104	0.285	SLV 13	No
350	0.333	68	0.382	0.127	0.349	SLV 13	No
50	0.352	75	0.397	0.134	0.368	SLV 13	No
320	0.442	118	0.479	0.167	0.459	SLV 13	No
80	0.472	135	0.506	0.178	0.489	SLV 13	No
290	0.621	242	0.642	0.232	0.636	SLV 13	No
110	0.673	288	0.69	0.25	0.686	SLV 13	No
420	0.658	275	0.677	0.245	0.672	SLV 11	No
449	0.826	451	0.829	0.303	0.832	SLV 15	No
770	0.848	477	0.849	0.31	0.852	SLV 15	No
260	0.963	649	0.963	0.351	0.964	SLV 13	No
478	1.049	799	1.048	0.381	1.047	SLV 15	Si
741	1.084	866	1.084	0.393	1.081	SLV 15	Si
140	1.08	859	1.08	0.392	1.077	SLV 13	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.491	19	0.57	0.066	0.471	SLD 13	No
20	0.614	31	0.696	0.086	0.606	SLD 13	No
350	0.754	48	0.833	0.107	0.755	SLD 13	No
50	0.795	52	0.861	0.112	0.791	SLD 13	No
320	0.998	82	1.037	0.14	0.99	SLD 13	Si
80	1.066	94	1.097	0.15	1.061	SLD 13	Si
420	1.492	187	1.454	0.207	1.468	SLD 11	Si
290	1.402	165	1.382	0.195	1.385	SLD 13	Si
449	1.867	307	1.782	0.257	1.819	SLD 15	Si
110	1.521	195	1.48	0.211	1.496	SLD 13	Si
770	1.918	325	1.824	0.263	1.864	SLD 15	Si
478	2.371	520	2.212	0.321	2.276	SLD 15	Si
741	1.847	560	2.28	0.331	2.345	SLD 15	Si
260	2.175	427	2.04	0.296	2.098	SLD 13	Si
140	1.838	556	2.274	0.33	2.337	SLD 13	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-10	2X/2Y ø6/23.9	3441	-60852	SLU 30	12670	4223	40745	2.5	3.68	640	-60331	SLU 29	12670	4223	40745	2.5	19.78	Si
320	2X/2Y ø6/23.9	3441	-58683	SLU 30	12670	4223	40629	2.5	3.68	640	-58162	SLU 29	12670	4223	40558	2.5	19.78	Si
290	2X/2Y ø6/23.9	3441	-58881	SLU 30	12670	4223	40656	2.5	3.68	640	-58360	SLU 29	12670	4223	40585	2.5	19.78	Si
260	2X/2Y ø6/23.9	3441	-59078	SLU 30	12670	4223	40684	2.5	3.68	640	-58557	SLU 29	12670	4223	40612	2.5	19.78	Si
230	2X/2Y ø6/23.9	3441	-59275	SLU 30	12670	4223	40711	2.5	3.68	640	-58754	SLU 29	12670	4223	40639	2.5	19.78	Si
200	2X/2Y ø6/23.9	3441	-59473	SLU 30	12670	4223	40738	2.5	3.68	640	-58952	SLU 29	12670	4223	40666	2.5	19.78	Si
350	2X/2Y ø6/23.9	3441	-58489	SLU 30	12670	4223	40603	2.5	3.68	640	-57968	SLU 29	12670	4223	40532	2.5	19.78	Si
140	2X/2Y ø6/23.9	3441	-59868	SLU 30	12670	4223	40745	2.5	3.68	640	-59347	SLU 29	12670	4223	40720	2.5	19.78	Si
110	2X/2Y ø6/23.9	3441	-60065	SLU 30	12670	4223	40745	2.5	3.68	640	-59544	SLU 29	12670	4223	40745	2.5	19.78	Si
80	2X/2Y ø6/23.9	3441	-60263	SLU 30	12670	4223	40745	2.5	3.68	640	-59742	SLU 29	12670	4223	40745	2.5	19.78	Si
50	2X/2Y ø6/23.9	3441	-60460	SLU 30	12670	4223	40745	2.5	3.68	640	-59939	SLU 29	12670	4223	40745	2.5	19.78	Si
20	2X/2Y ø6/23.9	3441	-60660	SLU 30	12670	4223	40745	2.5	3.68	640	-60139	SLU 29	12670	4223	40745	2.5	19.78	Si
170	2X/2Y ø6/23.9	3441	-59670	SLU 30	12670	4223	40745	2.5	3.68	640	-59149	SLU 29	12670	4223	40693	2.5	19.78	Si
770	2X/2Y ø6/24.8	879	-16206	SLU 29	7272	3562	27507	2.5	8.28	1779	-16815	SLU 30	7352	3562	27589	2.5	4.13	Si
741	2X/2Y ø6/24.8	879	-16355	SLU 29	7292	3562	27527	2.5	8.3	1779	-16964	SLU 30	7371	3562	27609	2.5	4.14	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	28166	-43164	SLV 13	12080	4223	38505	2.5	0.43	4795	-40325	SLV 7	11704	4223	38116	2.5	1.84	No
320	2X/2Y ø6/23.9	28166	-43313	SLV 13	12100	4223	38525	2.5	0.43	4795	-40474	SLV 7	11724	4223	38137	2.5	1.85	No
290	2X/2Y ø6/23.9	28166	-43465	SLV 13	12120	4223	38546	2.5	0.43	4795	-40626	SLV 7	11744	4223	38157	2.5	1.85	No
260	2X/2Y ø6/23.9	28166	-43617	SLV 13	12140	4223	38567	2.5	0.43	4795	-40778	SLV 7	11764	4223	38178	2.5	1.85	No
230	2X/2Y ø6/23.9	28166	-43769	SLV 13	12160	4223	38588	2.5	0.43	4795	-40930	SLV 7	11784	4223	38199	2.5	1.86	No
200	2X/2Y ø6/23.9	28166	-43921	SLV 13	12180	4223	38609	2.5	0.43	4795	-41082	SLV 7	11804	4223	38220	2.5	1.86	No
170	2X/2Y ø6/23.9	28166	-44073	SLV 13	12200	4223	38629	2.5	0.43	4795	-41233	SLV 7	11824	4223	38241	2.5	1.87	No
140	2X/2Y ø6/23.9	28166	-44225	SLV 13	12220	4223	38650	2.5	0.43	4795	-41385	SLV 7	11844	4223	38261	2.5	1.87	No
110	2X/2Y ø6/23.9	28166	-44377	SLV 13	12240	4223	38671	2.5	0.43	4795	-41537	SLV 7	11865	4223	38282	2.5	1.87	No

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
80	2X/2Y ø6/23.9	28166	-44528	SLV 13	12260	4223	38692	2.5	0.44	4795	-41689	SLV 7	11885	4223	38303	2.5	1.88	No
50	2X/2Y ø6/23.9	28166	-44680	SLV 13	12280	4223	38712	2.5	0.44	4795	-41841	SLV 7	11905	4223	38324	2.5	1.88	No
20	2X/2Y ø6/23.9	28166	-44834	SLV 13	12301	4223	38734	2.5	0.44	4795	-41995	SLV 7	11925	4223	38345	2.5	1.89	No
-10	2X/2Y ø6/23.9	28166	-44981	SLV 13	12320	4223	38754	2.5	0.44	4795	-42142	SLV 7	11945	4223	38365	2.5	1.89	No
770	2X/2Y ø6/24.8	6830	-14930	SLV 15	7106	3562	27335	2.5	1.04	6668	-15779	SLV 11	7217	3562	27449	2.5	1.08	Si
741	2X/2Y ø6/24.8	6830	-15044	SLV 15	7121	3562	27350	2.5	1.04	6668	-15894	SLV 11	7232	3562	27464	2.5	1.08	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	11455	-42518	SLD 13	11994	4223	38416	2.5	1.05	1938	-41524	SLD 7	11863	4223	38280	2.5	6.12	Si
320	2X/2Y ø6/23.9	11455	-42667	SLD 13	12014	4223	38437	2.5	1.05	1938	-41673	SLD 7	11883	4223	38301	2.5	6.13	Si
290	2X/2Y ø6/23.9	11455	-42819	SLD 13	12034	4223	38458	2.5	1.05	1938	-41825	SLD 7	11903	4223	38322	2.5	6.14	Si
260	2X/2Y ø6/23.9	11455	-42971	SLD 13	12054	4223	38479	2.5	1.05	1938	-41977	SLD 7	11923	4223	38342	2.5	6.15	Si
230	2X/2Y ø6/23.9	11455	-43123	SLD 13	12074	4223	38499	2.5	1.05	1938	-42129	SLD 7	11943	4223	38363	2.5	6.16	Si
200	2X/2Y ø6/23.9	11455	-43275	SLD 13	12095	4223	38520	2.5	1.06	1938	-42281	SLD 7	11963	4223	38384	2.5	6.17	Si
170	2X/2Y ø6/23.9	11455	-43427	SLD 13	12115	4223	38541	2.5	1.06	1938	-42433	SLD 7	11983	4223	38405	2.5	6.18	Si
140	2X/2Y ø6/23.9	11455	-43578	SLD 13	12135	4223	38562	2.5	1.06	1938	-42585	SLD 7	12003	4223	38426	2.5	6.19	Si
110	2X/2Y ø6/23.9	11455	-43730	SLD 13	12155	4223	38582	2.5	1.06	1938	-42737	SLD 7	12023	4223	38446	2.5	6.2	Si
80	2X/2Y ø6/23.9	11455	-43882	SLD 13	12175	4223	38603	2.5	1.06	1938	-42888	SLD 7	12043	4223	38467	2.5	6.21	Si
50	2X/2Y ø6/23.9	11455	-44034	SLD 13	12195	4223	38624	2.5	1.06	1938	-43040	SLD 7	12063	4223	38488	2.5	6.22	Si
20	2X/2Y ø6/23.9	11455	-44188	SLD 13	12215	4223	38645	2.5	1.07	1938	-43194	SLD 7	12084	4223	38509	2.5	6.23	Si
-10	2X/2Y ø6/23.9	11455	-44335	SLD 13	12235	4223	38665	2.5	1.07	1938	-43342	SLD 7	12103	4223	38529	2.5	6.24	Si
770	2X/2Y ø6/24.8	2790	-13699	SLD 15	6946	3562	27169	2.5	1.89	3113	-13997	SLD 11	6985	3562	27209	2.5	2.24	Si
741	2X/2Y ø6/24.8	2790	-13814	SLD 15	6961	3562	27185	2.5	2.5	3113	-14112	SLD 11	7000	3562	27225	2.5	2.25	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.372	84	0.416	0.141	0.389	SLV 13	No
320	0.373	84	0.416	0.141	0.389	SLV 13	No
290	0.374	85	0.418	0.142	0.391	SLV 13	No
260	0.375	85	0.418	0.142	0.391	SLV 13	No
230	0.375	85	0.418	0.142	0.391	SLV 13	No
200	0.376	86	0.42	0.143	0.393	SLV 13	No
170	0.377	86	0.42	0.143	0.393	SLV 13	No
140	0.378	87	0.422	0.144	0.395	SLV 13	No
110	0.379	87	0.422	0.144	0.395	SLV 13	No
80	0.379	87	0.422	0.144	0.395	SLV 13	No
50	0.38	87	0.422	0.144	0.395	SLV 13	No
20	0.381	88	0.424	0.145	0.398	SLV 13	No
-10	0.382	88	0.424	0.145	0.398	SLV 13	No
770	1.047	796	1.047	0.38	1.045	SLV 15	Si
741	1.049	799	1.048	0.381	1.047	SLV 15	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.059	93	1.092	0.149	1.055	SLD 13	Si
320	1.063	93	1.092	0.149	1.055	SLD 13	Si
290	1.064	94	1.097	0.15	1.061	SLD 13	Si
260	1.066	94	1.097	0.15	1.061	SLD 13	Si
230	1.068	94	1.097	0.15	1.061	SLD 13	Si
200	1.07	95	1.102	0.151	1.067	SLD 13	Si
170	1.074	95	1.102	0.151	1.067	SLD 13	Si
140	1.074	95	1.102	0.151	1.067	SLD 13	Si
110	1.078	96	1.107	0.151	1.073	SLD 13	Si
80	1.08	96	1.107	0.151	1.073	SLD 13	Si
50	1.082	97	1.111	0.152	1.08	SLD 13	Si
20	1.084	97	1.111	0.152	1.08	SLD 13	Si
-10	1.086	97	1.111	0.152	1.08	SLD 13	Si
770	2.98	905	2.776	0.4	2.835	SLD 15	Si
741	2.986	909	2.781	0.401	2.841	SLD 15	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 22

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x65	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x60	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.1	17.2	-27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.1	17.2	27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.1	-17.2	27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.2	-17.2	-27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.2	17.2	27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.3	17.2	-27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.4	-17.2	27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.5	-12.2	-27.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1
p.5	17.2	-27.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.5	17.2	22.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1
p.5	-12.2	22.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.2	0	1,2,3,4	134614	-468504	-78239	466996	-1625309	SLU 36	3.469	Si
20	18.1	1.2	0	1,2,3,4	111775	-402888	-77962	407602	-1469190	SLU 36	3.647	Si
50	18.1	1.2	0	1,2,3,4	87935	-334401	-77673	337677	-1284119	SLU 36	3.84	Si
350	18.1	0.6	0	2,3,4	-147027	340623	-74826	-574666	1331348	SLU 36	3.909	Si
80	18.1	0.6	0	2,3,4	64400	-266786	-77388	259035	-1073089	SLU 36	4.022	Si
110	18.1	0.6	0	2,3,4	40864	-199171	-77103	164976	-804085	SLU 36	4.037	Si
140	18.1	0.6	0	2,3,4	17329	-131556	-76818	70219	-533084	SLU 36	4.052	Si
170	18.1	0.6	0	2,3,4	-6207	-63941	-76533	-25244	-260063	SLU 36	4.067	Si
200	18.1	0.6	0	2,3,4	-29691	3529	-76248	-121213	14407	SLU 36	4.082	Si
320	18.1	0.6	0	2,3,4	-123884	274135	-75107	-507531	1123082	SLU 36	4.097	Si
230	18.1	0.6	0	2,3,4	-53278	71289	-75962	-218320	292130	SLU 36	4.098	Si
260	18.1	0.6	0	2,3,4	-76813	138904	-75677	-315950	571347	SLU 36	4.113	Si
290	18.1	0.6	0	2,3,4	-100348	206520	-75392	-414318	852677	SLU 36	4.129	Si
420	18.1	1.5	0	2,3,4,5	-12103	90300	-30576	-103662	773446	SLU 36	8.565	Si
449	18.1	1.5	0	2,3,4,5	-6821	78261	-30353	-58850	675264	SLU 36	8.628	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.2	0	1,2,3,4	3101979	-6006652	-57448	436401	-845045	SLV 13	0.141				No
20	18.1	1.2	0	1,2,3,4	2675544	-5168576	-57235	451771	-872724	SLV 13	0.169				No
350	18.1	0.6	0	2,3,4	-2156930	4327959	-54823	-450849	904646	SLV 13	0.209				No
50	18.1	1.2	0	1,2,3,4	2230452	-4293820	-57013	476146	-916624	SLV 13	0.213				No
320	18.1	0.6	0	2,3,4	-1724846	3478741	-55039	-482978	974090	SLV 13	0.28				No
80	18.1	0.6	0	2,3,4	1791041	-3430209	-56794	517424	-990972	SLV 13	0.289				No
290	18.1	0.6	0	2,3,4	-1285464	2615131	-55258	-549316	1117522	SLV 13	0.427				No
110	18.1	0.6	0	2,3,4	1351650	-2566599	-56574	599213	-1137823	SLV 13	0.443				No
420	18.1	1.5	0	2,3,4,5	-814386	1181674	-22013	-578441	839318	SLV 3	0.71				No
770	18.1	0.8	0	5	778186	-1053267	-19919	619598	-838620	SLV 3	0.796				No
260	18.1	0.6	0	2,3,4	-846153	1751527	-55477	-697654	1444136	SLV 13	0.825				No
140	18.1	0.6	0	2,3,4	912312	-1702996	-56355	785982	-1467178	SLV 13	0.862				No
449	18.1	1.5	0	2,3,4,5	-683902	998282	-21841	-609823	890150	SLV 3	0.892				No
741	18.1	0.8	0	5	-1284765	279577	-15059	-1318237	286861	SLV 9	1.026				Si
478	18.1	1.5	0	2,3,4,5	-551228	811731	-21666	-659336	970931	SLV 3	1.196				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.2	0	1,2,3,4	1446259	-2843171	-56867	550746	-1082700	SLD 13	0.381	No
20	18.1	1.2	0	1,2,3,4	1245713	-2446385	-56654	597001	-1172417	SLD 13	0.479	No
350	18.1	0.6	0	2,3,4	-1026907	2049742	-54242	-635404	1268288	SLD 13	0.619	No
50	18.1	1.2	0	1,2,3,4	1036393	-2032232	-56432	666493	-1306905	SLD 13	0.643	No
320	18.1	0.6	0	2,3,4	-823704	1647680	-54457	-740851	1481948	SLD 13	0.899	No
80	18.1	0.6	0	2,3,4	829745	-1623356	-56212	781465	-1528899	SLD 13	0.942	No
290	18.1	0.6	0	2,3,4	-617068	1238805	-54677	-907981	1822833	SLD 13	1.471	Si
110	18.1	0.6	0	2,3,4	623105	-1214480	-55993	956940	-1865151	SLD 13	1.536	Si
420	18.1	1.5	0	2,3,4,5	-353403	557240	-21685	-762093	1201655	SLD 3	2.156	Si
770	18.1	0.8	0	5	354932	-487029	-19591	864740	-1186577	SLD 3	1.836	Si
260	18.1	0.6	0	2,3,4	-410462	829932	-54896	-1059213	2141670	SLD 13	2.581	Si
140	18.1	0.6	0	2,3,4	416488	-805607	-55774	1102749	-2133036	SLD 13	2.648	Si
449	18.1	1.5	0	2,3,4,5	-295362	471545	-21513	-825752	1318311	SLD 3	2.796	Si
741	18.1	0.8	0	5	296905	-401359	-19763	967890	-1308406	SLD 3	3.26	Si
478	18.1	1.5	0	2,3,4,5	-236345	384372	-21338	-891182	1449345	SLD 3	3.771	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.219	30	0.273	0.083	0.227	SLV 13	No
20	0.264	43	0.316	0.1	0.275	SLV 13	No
350	0.319	63	0.37	0.122	0.336	SLV 13	No
50	0.329	65	0.375	0.125	0.344	SLV 13	No
320	0.413	103	0.453	0.156	0.43	SLV 13	No
80	0.426	110	0.465	0.161	0.444	SLV 13	No
290	0.571	202	0.597	0.214	0.589	SLV 13	No
110	0.587	214	0.611	0.22	0.603	SLV 13	No
420	0.768	384	0.776	0.283	0.776	SLV 3	No
770	0.84	467	0.841	0.307	0.845	SLV 3	No
260	0.888	533	0.888	0.324	0.891	SLV 13	No
140	0.913	571	0.913	0.333	0.916	SLV 13	No
449	0.917	577	0.917	0.335	0.92	SLV 3	No
741	1.018	742	1.017	0.37	1.017	SLV 9	Si
478	1.141	981	1.14	0.413	1.135	SLV 3	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.496	20	0.582	0.068	0.485	SLD 13	No
20	0.597	29	0.677	0.082	0.584	SLD 13	No
350	0.722	44	0.804	0.101	0.718	SLD 13	No
50	0.743	46	0.818	0.104	0.737	SLD 13	No
320	0.933	72	0.983	0.132	0.934	SLD 13	No
80	0.962	77	1.011	0.136	0.963	SLD 13	Si
290	1.291	139	1.288	0.181	1.279	SLD 13	Si
110	1.327	147	1.318	0.185	1.313	SLD 13	Si
420	1.736	262	1.67	0.24	1.699	SLD 3	Si
770	1.898	318	1.808	0.261	1.848	SLD 3	Si
260	2.005	358	1.898	0.274	1.943	SLD 13	Si
140	2.063	381	1.947	0.282	1.997	SLD 13	Si
449	2.075	386	1.958	0.283	2.007	SLD 3	Si
741	2.304	486	2.152	0.313	2.215	SLD 9	Si
478	2.579	636	1.802	0.348	1.867	SLD 3	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-10	2X/2Y ø6/23.9	2254	-78239	SLU 36	18301	4223	57794	2.5	8.12	-1249	-68268	SLU 22	17902	6351	58747	2.5	14.34	Si
320	2X/2Y ø6/23.9	2254	-75107	SLU 36	18301	4223	57365	2.5	8.12	-1249	-65135	SLU 22	17470	6351	58300	2.5	13.99	Si
290	2X/2Y ø6/23.9	2254	-75392	SLU 36	18301	4223	57404	2.5	8.12	-1249	-65421	SLU 22	17510	6351	58341	2.5	14.02	Si
260	2X/2Y ø6/23.9	2254	-75677	SLU 36	18301	4223	57443	2.5	8.12	-1249	-65706	SLU 22	17549	6351	58381	2.5	14.06	Si
230	2X/2Y ø6/23.9	2254	-75962	SLU 36	18301	4223	57482	2.5	8.12	-1249	-65991	SLU 22	17588	6351	58422	2.5	14.09	Si
200	2X/2Y ø6/23.9	2254	-76248	SLU 36	18301	4223	57521	2.5	8.12	-1249	-66277	SLU 22	17628	6351	58463	2.5	14.12	Si
350	2X/2Y ø6/23.9	2254	-74826	SLU 36	18301	4223	57326	2.5	8.12	-1249	-64855	SLU 22	17432	6351	58260	2.5	13.96	Si
140	2X/2Y ø6/23.9	2254	-76818	SLU 36	18301	4223	57599	2.5	8.12	-1249	-66847	SLU 22	17706	6351	58544	2.5	14.18	Si
110	2X/2Y ø6/23.9	2254	-77103	SLU 36	18301	4223	57638	2.5	8.12	-1249	-67132	SLU 22	17745	6351	58585	2.5	14.21	Si
80	2X/2Y ø6/23.9	2254	-77388	SLU 36	18301	4223	57677	2.5	8.12	-1249	-67417	SLU 22	17785	6351	58625	2.5	14.24	Si
50	2X/2Y ø6/23.9	2254	-77673	SLU 36	18301	4223	57716	2.5	8.12	-1249	-67702	SLU 22	17824	6351	58666	2.5	14.28	Si
20	2X/2Y ø6/23.9	2254	-77962	SLU 36	18301	4223	57756	2.5	8.12	-1249	-67991	SLU 22	17864	6351	58707	2.5	14.31	Si
170	2X/2Y ø6/23.9	2254	-76533	SLU 36	18301	4223	57560	2.5	8.12	-1249	-66561	SLU 22	17667	6351	58503	2.5	14.15	Si
770	2X/2Y ø6/24.8	-420	-27854	SLU 36	11370	3562	41737	2.5	27.07	239	-22378	SLU 17	10151	5615	43087	2.5	41.84	Si
741	2X/2Y ø6/24.8	-420	-28078	SLU 36	11399	3562	41767	2.5	27.14	239	-22550	SLU 17	10175	5615	43112	2.5	42.54	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	35857	-55094	SLV 13	16489	4223	54625	2.5	0.46	-40916	-48695	SLV 9	15205	6351	55957	2.5	0.37	No
320	2X/2Y ø6/23.9	35857	-55310	SLV 13	16517	4223	54655	2.5	0.46	-40916	-48911	SLV 9	15235	6351	55988	2.5	0.37	No
290	2X/2Y ø6/23.9	35857	-55529	SLV 13	16546	4223	54685	2.5	0.46	-40916	-49130	SLV 9	15265	6351	56019	2.5	0.37	No
260	2X/2Y ø6/23.9	35857	-55749	SLV 13	16575	4223	54715	2.5	0.46	-40916	-49350	SLV 9	15296	6351	56050	2.5	0.37	No
230	2X/2Y ø6/23.9	35857	-55968	SLV 13	16604	4223	54745	2.5	0.46	-40916	-49569	SLV 9	15326	6351	56082	2.5	0.37	No
200	2X/2Y ø6/23.9	35857	-56188	SLV 13	16633	4223	54775	2.5	0.46	-40916	-49789	SLV 9	15356	6351	56113	2.5	0.38	No
170	2X/2Y ø6/23.9	35857	-56407	SLV 13	16662	4223	54805	2.5	0.46	-40916	-50008	SLV 9	15386	6351	56144	2.5	0.38	No
140	2X/2Y ø6/23.9	35857	-56626	SLV 13	16691	4223	54835	2.5	0.47	-40916	-50227	SLV 9	15417	6351	56175	2.5	0.38	No
110	2X/2Y ø6/23.9	35857	-56846	SLV 13	16720	4223	54865	2.5	0.47	-40916	-50447	SLV 9	15447	6351	56207	2.5	0.38	No
80	2X/2Y ø6/23.9	35857	-57065	SLV 13	16750	4223	54895	2.5	0.47	-40916	-50666	SLV 9	15477	6351	56238	2.5	0.38	No
50	2X/2Y ø6/23.9	35857	-57284	SLV 13	16779	4223	54925	2.5	0.47	-40916	-50885	SLV 9	15507	6351	56269	2.5	0.38	No
20	2X/2Y ø6/23.9	35857	-57507	SLV 13	16808	4223	54955	2.5	0.47	-40916	-51108	SLV 9	15538	6351	56301	2.5	0.38	No
-10	2X/2Y ø6/23.9	35857	-57719	SLV 13	16836	4223	54985	2.5	0.47	-40916	-51320	SLV 9	15567	6351	56331	2.5	0.38	No
770	2X/2Y ø6/24.8	-7990	-20071	SLV 3	10357	3562	40689	2.5	1.3	-11579	-13731	SLV 9	8969	5615	41864	2.5	0.77	No
741	2X/2Y ø6/24.8	-7990	-20243	SLV 3	10379	3562	40713	2.5	1.3	-11579	-13903	SLV 9	8992	5615	41888	2.5	0.78	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	13629	-54242	SLD 13	16376	4223	54508	2.5	1.2	-14842	-51996	SLD 9	15660	6351	56428	2.5	1.06	Si
320	2X/2Y ø6/23.9	13629	-54457	SLD 13	16404	4223	54538	2.5	1.2	-14842	-52212	SLD 9	15690	6351	56458	2.5	1.06	Si
290	2X/2Y ø6/23.9	13629	-54677	SLD 13	16433	4223	54568	2.5	1.21	-14842	-52431	SLD 9	15720	6351	56490	2.5	1.06	Si
260	2X/2Y ø6/23.9	13629	-54896	SLD 13	16462	4223	54598	2.5	1.21	-14842	-52650	SLD 9	15750	6351	56521	2.5	1.06	Si
230	2X/2Y ø6/23.9	13629	-55115	SLD 13	16492	4223	54628	2.5	1.21	-14842	-52870	SLD 9	15781	6351	56552	2.5	1.06	Si
200	2X/2Y ø6/23.9	13629	-55335	SLD 13	16521	4223	54658	2.5	1.21	-14842	-53090	SLD 9	15811	6351	56583	2.5	1.07	Si
170	2X/2Y ø6/23.9	13629	-55554	SLD 13	16550	4223	54688	2.5	1.21	-14842	-53309	SLD 9	15841	6351	56615	2.5	1.07	Si
140	2X/2Y ø6/23.9	13629	-55774	SLD 13	16579	4223	54718	2.5	1.22	-14842	-53528	SLD 9	15871	6351	56646	2.5	1.07	Si
110	2X/2Y ø6/23.9	13629	-55993	SLD 13	16608	4223	54748	2.5	1.22	-14842	-53747	SLD 9	15902	6351	56677	2.5	1.07	Si
80	2X/2Y ø6/23.9	13629	-56212	SLD 13	16637	4223	54778	2.5	1.22	-14842	-53967	SLD 9	15932	6351	56708	2.5	1.07	Si
50	2X/2Y ø6/23.9	13629	-56432	SLD 13	16666	4223	54808	2.5	1.22	-14842	-54186	SLD 9	15962	6351	56740	2.5	1.08	Si
20	2X/2Y ø6/23.9	13629	-56654	SLD 13	16695	4223	54839	2.5	1.22	-14842	-54408	SLD 9	15993	6351	56771	2.5	1.08	Si
-10	2X/2Y ø6/23.9	13629	-56867	SLD 13	16723	4223	54868	2.5	1.23	-14842	-54621	SLD 9	16022	6351	56802	2.5	1.08	Si
770	2X/2Y ø6/24.8	-2991	-19591	SLD 3	10294	3562	40625	2.5	3.44	-4037	-17368	SLD 9	9466	5615	42378	2.5	2.34	Si
741	2X/2Y ø6/24.8	-2991	-19763	SLD 3	10317	3562	40648	2.5	3.45	-4037	-17540	SLD 9	9489	5615	42403	2.5	2.35	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.371	84	0.416	0.141	0.389	SLV 9	No
320	0.372	84	0.416	0.141	0.389	SLV 9	No
290	0.373	84	0.416	0.141	0.389	SLV 9	No
260	0.373	84	0.416	0.141	0.389	SLV 9	No
230	0.374	85	0.418	0.142	0.391	SLV 9	No
200	0.375	85	0.418	0.142	0.391	SLV 9	No
170	0.375	86	0.42	0.143	0.393	SLV 9	No
140	0.376	86	0.42	0.143	0.393	SLV 9	No
110	0.377	86	0.42	0.143	0.393	SLV 9	No
80	0.378	87	0.422	0.144	0.395	SLV 9	No
50	0.379	87	0.422	0.144	0.395	SLV 9	No
20	0.379	87	0.422	0.144	0.395	SLV 9	No
-10	0.38	87	0.422	0.144	0.395	SLV 9	No
770	0.789	408	0.796	0.29	0.797	SLV 9	No
741	0.791	410	0.797	0.291	0.799	SLV 9	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.057	93	1.092	0.149	1.055	SLD 9	Si
320	1.059	93	1.092	0.149	1.055	SLD 9	Si
290	1.061	93	1.092	0.149	1.055	SLD 9	Si
260	1.063	93	1.092	0.149	1.055	SLD 9	Si
230	1.066	94	1.097	0.15	1.061	SLD 9	Si
200	1.066	94	1.097	0.15	1.061	SLD 9	Si
170	1.07	95	1.102	0.151	1.067	SLD 9	Si
140	1.072	95	1.102	0.151	1.067	SLD 9	Si
110	1.074	95	1.102	0.151	1.067	SLD 9	Si
80	1.076	96	1.107	0.151	1.073	SLD 9	Si
50	1.078	96	1.107	0.151	1.073	SLD 9	Si
20	1.08	96	1.107	0.151	1.073	SLD 9	Si
-10	1.082	97	1.111	0.152	1.08	SLD 9	Si
770	2.254	462	2.107	0.306	2.17	SLD 9	Si
741	2.26	465	2.113	0.307	2.175	SLD 9	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 23

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-481291	303287	-21214	-922732	581461	SLU 30	1.917	Si
449	18.1	2.3	0	2,3,4,5	-412489	259468	-21065	-950472	597875	SLU 30	2.304	Si
770	18.1	1.1	0	5	356338	-230183	-19399	952400	-615221	SLU 30	2.673	Si
478	18.1	2.3	0	2,3,4,5	-342487	214885	-20913	-984044	617414	SLU 30	2.873	Si
741	18.1	1.1	0	5	287535	-186364	-19548	989292	-641204	SLU 30	3.441	Si
350	18.1	0.9	0	2,3,4	311620	-83499	-57653	1091980	-292596	SLU 30	3.504	Si
320	18.1	0.9	0	2,3,4	286328	-64590	-57848	1028325	-231971	SLU 30	3.591	Si
290	18.1	0.9	0	2,3,4	260607	-45361	-58045	958588	-166852	SLU 30	3.678	Si
508	18.1	1.1	0	5	-272484	170301	-20761	-1021303	638310	SLU 30	3.748	Si
-10	18.1	1.8	0	1,2,3,4	3992	114696	-60354	14988	430660	SLU 36	3.755	Si
260	18.1	0.9	0	2,3,4	234887	-26133	-58243	884113	-98363	SLU 30	3.764	Si
20	18.1	1.8	0	1,2,3,4	26602	100472	-60163	100202	378451	SLU 36	3.767	Si
50	18.1	1.8	0	1,2,3,4	50201	85625	-59963	189726	323602	SLU 36	3.779	Si
80	18.1	0.9	0	2,3,4	73500	70967	-59765	278697	269091	SLU 36	3.792	Si
110	18.1	0.9	0	2,3,4	96799	56309	-59568	368258	214219	SLU 36	3.804	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	-36954	4205216	-41335	-7308	831675	SLV 3	0.198				No
20	18.1	1.8	0	1,2,3,4	11671	3614320	-41188	2778	860251	SLV 3	0.238				No
350	18.1	0.9	0	2,3,4	323307	-3081316	-39518	92888	-885283	SLV 3	0.287				No
50	18.1	1.8	0	1,2,3,4	45830	2997561	-41034	13841	905274	SLV 3	0.302				No
320	18.1	0.9	0	2,3,4	296021	-2482563	-39667	113517	-952005	SLV 3	0.383				No
80	18.1	0.9	0	2,3,4	73861	2388659	-40882	30357	981742	SLV 3	0.411				No
290	18.1	0.9	0	2,3,4	268272	-1873661	-39819	155366	-1085101	SLV 3	0.579				No
420	18.1	2.3	0	2,3,4,5	-1186387	578404	-18999	-741178	361350	SLV 7	0.625				No
110	18.1	0.9	0	2,3,4	101695	1779758	-40730	64887	1135579	SLV 3	0.638				No
449	18.1	2.3	0	2,3,4,5	-1010241	493350	-18884	-770451	376249	SLV 7	0.763				No
770	18.1	1.1	0	5	958642	-457678	-17603	769183	-367226	SLV 7	0.802				No
478	18.1	2.3	0	2,3,4,5	-831033	406822	-18768	-812260	397632	SLV 7	0.977				No
741	18.1	1.1	0	5	565282	-724605	-19061	585274	-750231	SLV 3	1.035				Si
260	18.1	0.9	0	2,3,4	240522	-1264761	-39971	260015	-1367265	SLV 3	1.081				Si
140	18.1	0.9	0	2,3,4	129484	1170858	-40578	166426	1504909	SLV 3	1.285				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-14841	1915442	-42465	-8651	1116470	SLD 3	0.583	No
20	18.1	1.8	0	1,2,3,4	15652	1647041	-42317	11715	1232757	SLD 3	0.748	No
350	18.1	0.9	0	2,3,4	255144	-1394297	-40647	237827	-1299665	SLD 3	0.932	No
50	18.1	1.8	0	1,2,3,4	40116	1366893	-42163	41434	1411813	SLD 3	1.033	Si
420	18.1	2.3	0	2,3,4,5	-703198	375180	-17437	-822146	438643	SLD 7	1.169	Si
320	18.1	0.9	0	2,3,4	233985	-1122327	-40797	309208	-1483143	SLD 3	1.321	Si
449	18.1	2.3	0	2,3,4,5	-599547	320301	-17322	-862755	460916	SLD 7	1.439	Si
80	18.1	0.9	0	2,3,4	61760	1090313	-42012	93211	1645552	SLD 3	1.509	Si
770	18.1	1.1	0	5	440679	-483122	-16635	672099	-736829	SLD 3	1.525	Si
478	18.1	2.3	0	2,3,4,5	-384251	422312	-17800	-697602	766702	SLD 3	1.815	Si
741	18.1	1.1	0	5	359490	-393995	-16750	699722	-766882	SLD 3	1.946	Si
290	18.1	0.9	0	2,3,4	212466	-845748	-40948	418705	-1666711	SLD 3	1.971	Si
110	18.1	0.9	0	2,3,4	83316	813734	-41860	189058	1846492	SLD 3	2.269	Si
508	18.1	1.1	0	5	-301658	331634	-17683	-725840	797966	SLD 3	1.806	Si
712	18.1	1.1	0	5	276893	-303319	-16866	732675	-802598	SLD 3	2.646	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.318	62	0.368	0.121	0.333	SLV 3	No
20	0.372	84	0.416	0.141	0.389	SLV 3	No
350	0.423	108	0.462	0.16	0.44	SLV 3	No
50	0.451	124	0.488	0.171	0.47	SLV 3	No
320	0.53	173	0.56	0.2	0.548	SLV 3	No
80	0.568	200	0.594	0.213	0.586	SLV 3	No
290	0.708	322	0.722	0.262	0.72	SLV 3	No
420	0.553	188	0.579	0.207	0.57	SLV 7	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
110	0.766	382	0.775	0.282	0.775	SLV 3	No
449	0.723	337	0.736	0.267	0.734	SLV 7	No
770	0.775	393	0.784	0.285	0.784	SLV 7	No
478	0.975	668	0.974	0.355	0.975	SLV 7	No
741	1.039	781	1.039	0.377	1.037	SLV 3	Si
260	1.049	799	1.048	0.381	1.047	SLV 3	Si
140	1.16	1026	1.162	0.42	1.153	SLV 3	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.718	42	0.788	0.1	0.708	SLD 3	No
20	0.841	59	0.906	0.119	0.841	SLD 3	No
350	0.955	76	1.005	0.135	0.955	SLD 3	Si
50	1.02	86	1.058	0.143	1.017	SLD 3	Si
420	1.252	130	1.253	0.175	1.24	SLD 7	Si
320	1.198	119	1.208	0.168	1.188	SLD 3	Si
449	1.637	229	1.58	0.226	1.604	SLD 7	Si
80	1.285	138	1.284	0.18	1.275	SLD 3	Si
770	1.754	268	1.686	0.242	1.715	SLD 7	Si
478	2.207	441	2.067	0.3	2.126	SLD 7	Si
741	2.348	508	2.191	0.318	2.255	SLD 3	Si
290	1.6	219	1.552	0.222	1.572	SLD 3	Si
110	1.729	259	1.662	0.238	1.69	SLD 3	Si
508	3.121	1017	2.912	0.418	2.965	SLD 7	Si
712	3.309	1190	3.106	0.442	3.135	SLD 3	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-1529	-18518	SLU 29	7573	3562	27818	2.5	4.95	2400	-19399	SLU 30	7688	3562	27936	2.5	3.2	Si
741	2X/2Y ø6/24.8	-1529	-18667	SLU 29	7592	3562	27838	2.5	4.96	2400	-19548	SLU 30	7707	3562	27956	2.5	3.21	Si
712	2X/2Y ø6/24.8	-1529	-18819	SLU 29	7612	3562	27858	2.5	4.98	2400	-19700	SLU 30	7727	3562	27977	2.5	3.22	Si
683	2X/2Y ø6/24.8	-1529	-18970	SLU 29	7632	3562	27879	2.5	4.99	2400	-19851	SLU 30	7747	3562	27997	2.5	3.23	Si
653	2X/2Y ø6/24.8	-1529	-19122	SLU 29	7652	3562	27899	2.5	5	2400	-20003	SLU 30	7766	3562	28018	2.5	3.24	Si
624	2X/2Y ø6/24.8	-1529	-19274	SLU 29	7671	3562	27920	2.5	5.02	2400	-20155	SLU 30	7786	3562	28038	2.5	3.24	Si
595	2X/2Y ø6/24.8	-1529	-19425	SLU 29	7691	3562	27940	2.5	5.03	2400	-20306	SLU 30	7806	3562	28058	2.5	3.25	Si
566	2X/2Y ø6/24.8	-1529	-19577	SLU 29	7711	3562	27960	2.5	5.04	2400	-20458	SLU 30	7825	3562	28079	2.5	3.26	Si
537	2X/2Y ø6/24.8	-1529	-19729	SLU 29	7731	3562	27981	2.5	5.06	2400	-20610	SLU 30	7845	3562	28099	2.5	3.27	Si
508	2X/2Y ø6/24.8	-1529	-19880	SLU 29	7750	3562	28001	2.5	5.07	2400	-20761	SLU 30	7865	3562	28120	2.5	3.28	Si
478	2X/2Y ø6/24.8	-1529	-20032	SLU 29	7770	3562	28022	2.5	5.08	2400	-20913	SLU 30	7885	3562	28140	2.5	3.29	Si
449	2X/2Y ø6/24.8	-1529	-20184	SLU 29	7790	3562	28042	2.5	5.09	2400	-21065	SLU 30	7904	3562	28161	2.5	3.29	Si
420	2X/2Y ø6/24.8	-1529	-20333	SLU 29	7809	3562	28062	2.5	5.11	2400	-21214	SLU 30	7924	3562	28181	2.5	3.3	Si
170	2X/2Y ø6/23.9	-666	-58198	SLU 29	12670	4223	40563	2.5	19.01	862	-58198	SLU 29	12670	4223	40563	2.5	14.71	Si
200	2X/2Y ø6/23.9	-666	-58001	SLU 29	12670	4223	40536	2.5	19.01	862	-58001	SLU 29	12670	4223	40536	2.5	14.71	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-25463	-38990	SLV 3	11528	4223	37934	2.5	0.45	4242	-43834	SLV 11	12169	4223	38597	2.5	2.87	No
320	2X/2Y ø6/23.9	-25463	-39140	SLV 3	11547	4223	37954	2.5	0.45	4242	-43984	SLV 11	12188	4223	38617	2.5	2.87	No
290	2X/2Y ø6/23.9	-25463	-39292	SLV 3	11567	4223	37975	2.5	0.45	4242	-44136	SLV 11	12208	4223	38638	2.5	2.88	No
260	2X/2Y ø6/23.9	-25463	-39444	SLV 3	11587	4223	37996	2.5	0.46	4242	-44287	SLV 11	12228	4223	38659	2.5	2.88	No
230	2X/2Y ø6/23.9	-25463	-39595	SLV 3	11608	4223	38016	2.5	0.46	4242	-44439	SLV 11	12249	4223	38680	2.5	2.89	No
200	2X/2Y ø6/23.9	-25463	-39748	SLV 3	11628	4223	38037	2.5	0.46	4242	-44592	SLV 11	12269	4223	38700	2.5	2.89	No
170	2X/2Y ø6/23.9	-25463	-39899	SLV 3	11648	4223	38058	2.5	0.46	4242	-44743	SLV 11	12289	4223	38721	2.5	2.9	No
140	2X/2Y ø6/23.9	-25463	-40051	SLV 3	11668	4223	38079	2.5	0.46	4242	-44895	SLV 11	12309	4223	38742	2.5	2.9	No
110	2X/2Y ø6/23.9	-25463	-40203	SLV 3	11688	4223	38100	2.5	0.46	4242	-45047	SLV 11	12329	4223	38763	2.5	2.91	No
80	2X/2Y ø6/23.9	-25463	-40355	SLV 3	11708	4223	38120	2.5	0.46	4242	-45199	SLV 11	12349	4223	38783	2.5	2.91	No
50	2X/2Y ø6/23.9	-25463	-40507	SLV 3	11728	4223	38141	2.5	0.46	4242	-45351	SLV 11	12369	4223	38804	2.5	2.92	No
20	2X/2Y ø6/23.9	-25463	-40661	SLV 3	11749	4223	38162	2.5	0.46	4242	-45504	SLV 11	12390	4223	38825	2.5	2.92	No
-10	2X/2Y ø6/23.9	-25463	-40808	SLV 3	11768	4223	38182	2.5	0.46	4242	-45652	SLV 11	12409	4223	38845	2.5	2.93	No
770	2X/2Y ø6/24.8	-6863	-20024	SLV 3	7769	3562	28021	2.5	1.13	7323	-18332	SLV 7	7549	3562	27793	2.5	1.03	Si
741	2X/2Y ø6/24.8	-6863	-20139	SLV 3	7784	3562	28036	2.5	1.13	7323	-18446	SLV 7	7564	3562	27808	2.5	1.03	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-9219	-40647	SLD 3	11747	4223	38160	2.5	1.27	1848	-42347	SLD 11	11972	4223	38393	2.5	6.48	Si
320	2X/2Y ø6/23.9	-9219	-40797	SLD 3	11767	4223	38181	2.5	1.28	1848	-42497	SLD 11	11991	4223	38414	2.5	6.49	Si
290	2X/2Y ø6/23.9	-9219	-40948	SLD 3	11787	4223	38202	2.5	1.28	1848	-42648	SLD 11	12012	4223	38434	2.5	6.5	Si
260	2X/2Y ø6/23.9	-9219	-41100	SLD 3	11807	4223	38222	2.5	1.28	1848	-42800	SLD 11	12032	4223	38455	2.5	6.51	Si
230	2X/2Y ø6/23.9	-9219	-41252	SLD 3	11827	4223	38243	2.5	1.28	1848	-42952	SLD 11	12052	4223	38476	2.5	6.52	Si
200	2X/2Y ø6/23.9	-9219	-41404	SLD 3	11847	4223	38264	2.5	1.29	1848	-43104	SLD 11	12072	4223	38497	2.5	6.53	Si
170	2X/2Y ø6/23.9	-9219	-41556	SLD 3	11867	4223	38285	2.5	1.29	1848	-43256	SLD 11	12092	4223	38518	2.5	6.54	Si
140	2X/2Y ø6/23.9	-9219	-41708	SLD 3	11887	4223	38306	2.5	1.29	1848	-43408	SLD 11	12112	4223	38538	2.5	6.55	Si
110	2X/2Y ø6/23.9	-9219	-41860	SLD 3	11907	4223	38326	2.5	1.29	1848	-43560	SLD 11	12132	4223	38559	2.5	6.57	Si
80	2X/2Y ø6/23.9	-9219	-42012	SLD 3	11927	4223	38347	2.5	1.29	1848	-43712	SLD 11	12152	4223	38580	2.5	6.58	Si
50	2X/2Y ø6/23.9	-9219	-42163	SLD 3	11947	4223	38368	2.5	1.3	1848	-43863	SLD 11	12172	4223	38601	2.5	6.59	Si
20	2X/2Y ø6/23.9	-9219	-42317	SLD 3	11968	4223	38389	2.5	1.3	1848	-44017	SLD 11	12193	4223	38622	2.5	6.6	Si
-10	2X/2Y ø6/23.9	-9219	-42465	SLD 3	11987	4223	38409	2.5	1.3	1848	-44165	SLD 11	12212	4223	38642	2.5	6.61	Si
770	2X/2Y ø6/24.8	-3109	-16635	SLD 3	7328	3562	27564	2.5	2.36	3616	-16041	SLD 7	7251	3562	27484	2.5	2.01	Si
741	2X/2Y ø6/24.8	-3109	-16750	SLD 3	7343	3562	27580	2.5	2.36	3616	-16155	SLD 7	7266	3562	27500	2.5	2.01	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.451	124	0.488	0.171	0.47	SLV 3	No
320	0.451	124	0.488	0.171	0.47	SLV 3	No
290	0.452	124	0.488	0.171	0.47	SLV 3	No
260	0.453	125	0.49	0.172	0.471	SLV 3	No
230	0.454	125	0.49	0.172	0.471	SLV 3	No
200	0.455	126	0.492	0.172	0.473	SLV 3	No
170	0.456	126	0.492	0.172	0.473	SLV 3	No
140	0.456	126	0.492	0.172	0.473	SLV 3	No
110	0.457	127	0.493	0.173	0.475	SLV 3	No
80	0.458	127	0.493	0.173	0.475	SLV 3	No
50	0.459	128	0.495	0.173	0.477	SLV 3	No
20	0.46	128	0.495	0.173	0.477	SLV 3	No
-10	0.46	128	0.495	0.173	0.477	SLV 3	No
770	1.043	788	1.042	0.379	1.041	SLV 7	Si
741	1.047	796	1.047	0.38	1.045	SLV 7	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.283	136	1.276	0.179	1.27	SLD 3	Si
320	1.285	138	1.284	0.18	1.275	SLD 3	Si
290	1.289	138	1.284	0.18	1.275	SLD 3	Si
260	1.289	138	1.284	0.18	1.275	SLD 3	Si
230	1.293	139	1.288	0.181	1.279	SLD 3	Si
200	1.295	140	1.292	0.181	1.284	SLD 3	Si
170	1.297	140	1.292	0.181	1.284	SLD 3	Si
140	1.299	140	1.292	0.181	1.284	SLD 3	Si
110	1.301	141	1.295	0.182	1.289	SLD 3	Si
80	1.305	141	1.295	0.182	1.289	SLD 3	Si
50	1.307	142	1.299	0.183	1.294	SLD 3	Si
20	1.309	142	1.299	0.183	1.294	SLD 3	Si
-10	1.311	143	1.303	0.183	1.299	SLD 3	Si
770	2.98	905	2.776	0.4	2.835	SLD 7	Si
741	2.986	909	2.781	0.401	2.841	SLD 7	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 24

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-419531	170727	-12650	-928385	377804	SLU 29	2.213	Si
449	18.1	2.3	0	2,3,4,5	-367034	146529	-12501	-979145	390900	SLU 29	2.668	Si
478	18.1	2.3	0	2,3,4,5	-313622	121909	-12349	-1044864	406154	SLU 29	3.332	Si
350	18.1	0.9	0	2,3,4	354804	113217	-54377	1231715	393038	SLU 30	3.472	Si
320	18.1	0.9	0	2,3,4	325835	89530	-54571	1168347	321030	SLU 30	3.586	Si
290	18.1	0.9	0	2,3,4	296375	65442	-54769	1096405	242096	SLU 30	3.699	Si
260	18.1	0.9	0	2,3,4	266915	41354	-54966	1017503	157644	SLU 30	3.812	Si
230	18.1	0.9	0	2,3,4	237456	17265	-55163	931325	67717	SLU 30	3.922	Si
-10	18.1	1.8	0	1,2,3,4	2269	-175040	-56740	9062	-699108	SLU 30	3.994	Si
20	18.1	1.8	0	1,2,3,4	30857	-151664	-56548	123662	-607796	SLU 30	4.008	Si
50	18.1	1.8	0	1,2,3,4	60697	-127265	-56348	244109	-511826	SLU 30	4.022	Si
200	18.1	0.9	0	2,3,4	207933	-6875	-55361	836542	-27658	SLU 30	4.023	Si
80	18.1	0.9	0	2,3,4	90157	-103176	-56151	363864	-416408	SLU 30	4.036	Si
110	18.1	0.9	0	2,3,4	119617	-79088	-55953	484464	-320316	SLU 30	4.05	Si
140	18.1	0.9	0	2,3,4	149076	-55000	-55756	605918	-223544	SLU 30	4.064	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	-33386	3812529	-35437	-7202	822393	SLV 3	0.216				No
20	18.1	1.8	0	1,2,3,4	17179	3274421	-35290	4453	848741	SLV 3	0.259				No
350	18.1	0.9	0	2,3,4	329808	-2823070	-33620	101310	-867192	SLV 3	0.307				No
50	18.1	1.8	0	1,2,3,4	48828	2712761	-35136	16022	890128	SLV 3	0.328				No
320	18.1	0.9	0	2,3,4	302204	-2277807	-33769	122846	-925926	SLV 3	0.406				No
80	18.1	0.9	0	2,3,4	77319	2158256	-34984	34399	960195	SLV 3	0.445				No
290	18.1	0.9	0	2,3,4	274131	-1723303	-33921	165807	-1042337	SLV 3	0.605				No
420	18.1	2.3	0	2,3,4,5	-1145782	221901	-12522	-704329	136405	SLV 11	0.615				No
110	18.1	0.9	0	2,3,4	105538	1603753	-34832	72444	1100865	SLV 3	0.686				No
449	18.1	2.3	0	2,3,4,5	-982240	190575	-12407	-726371	140931	SLV 11	0.74				No
770	18.1	1.1	0	5	845606	-159515	-11126	733547	-138377	SLV 11	0.867				No
478	18.1	2.3	0	2,3,4,5	-815852	158704	-12290	-760438	147924	SLV 11	0.932				No
260	18.1	0.9	0	2,3,4	246054	-1168802	-34073	270904	-1286844	SLV 3	1.101				Si
741	18.1	1.1	0	5	615558	-407083	-8860	691637	-457395	SLV 7	1.124				Si
508	18.1	1.1	0	5	-592425	351913	-9793	-724694	430484	SLV 7	1.223				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	17083	-1809800	-44189	11213	-1187977	SLD 13	0.656	No
20	18.1	1.8	0	1,2,3,4	21765	-1555855	-44042	18561	-1326811	SLD 13	0.853	No
350	18.1	0.9	0	2,3,4	189992	1321675	-42372	202076	1405734	SLD 13	1.064	Si
50	18.1	1.8	0	1,2,3,4	35997	-1290797	-43888	42379	-1519623	SLD 13	1.177	Si
420	18.1	2.3	0	2,3,4,5	-615658	361542	-10283	-727791	427392	SLD 7	1.182	Si
449	18.1	2.3	0	2,3,4,5	-530667	308839	-10168	-752447	437911	SLD 7	1.418	Si
320	18.1	0.9	0	2,3,4	252933	-986178	-37151	378191	-1474558	SLD 3	1.495	Si
80	18.1	0.9	0	2,3,4	51269	-1029114	-43736	86874	-1743797	SLD 13	1.694	Si
478	18.1	2.3	0	2,3,4,5	-444195	255217	-10052	-787944	452722	SLD 7	1.774	Si
770	18.1	1.1	0	5	419160	-280154	-8887	747910	-499880	SLD 7	1.784	Si
290	18.1	0.9	0	2,3,4	360011	711135	-43114	734399	1450669	SLD 15	2.04	Si
508	18.1	1.1	0	5	-357726	201598	-9935	-840395	473607	SLD 7	2.349	Si
741	18.1	1.1	0	5	334171	-227452	-9002	790380	-537967	SLD 7	2.365	Si
110	18.1	0.9	0	2,3,4	66662	-767433	-43584	163848	-1886278	SLD 13	1.858	Si
260	18.1	0.9	0	2,3,4	322631	478646	-43266	914120	1356163	SLD 15	2.833	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.341	71	0.389	0.13	0.357	SLV 13	No
20	0.401	97	0.442	0.152	0.417	SLV 13	No
350	0.461	129	0.496	0.174	0.479	SLV 13	No
50	0.489	146	0.522	0.185	0.507	SLV 13	No
320	0.566	198	0.592	0.212	0.583	SLV 3	No
80	0.62	241	0.641	0.231	0.635	SLV 3	No
290	0.737	352	0.749	0.272	0.748	SLV 3	No
420	0.558	192	0.584	0.209	0.575	SLV 11	No
110	0.813	435	0.817	0.298	0.819	SLV 3	No
449	0.706	320	0.72	0.261	0.718	SLV 11	No
770	0.865	501	0.866	0.316	0.869	SLV 7	No
478	0.922	584	0.922	0.336	0.924	SLV 7	No
260	1.059	817	1.058	0.384	1.056	SLV 3	Si
741	1.113	924	1.113	0.403	1.109	SLV 3	Si
508	1.254	1261	1.264	0.452	1.241	SLV 7	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.771	50	0.847	0.109	0.773	SLD 13	No
20	0.906	68	0.961	0.128	0.904	SLD 13	No
350	1.042	89	1.073	0.146	1.036	SLD 13	Si
50	1.106	102	1.134	0.156	1.104	SLD 13	Si
420	1.262	132	1.261	0.176	1.25	SLD 11	Si
449	1.598	218	1.549	0.221	1.569	SLD 11	Si
320	1.279	136	1.276	0.179	1.27	SLD 3	Si
80	1.402	165	1.382	0.195	1.385	SLD 3	Si
478	2.087	390	1.966	0.285	2.017	SLD 7	Si
770	1.957	340	1.858	0.268	1.9	SLD 7	Si
290	1.666	239	1.608	0.231	1.635	SLD 3	Si
508	2.84	804	2.645	0.382	2.707	SLD 7	Si
741	2.518	600	2.346	0.34	1.81	SLD 3	Si
110	1.836	296	1.756	0.253	1.79	SLD 3	Si
260	2.392	531	2.231	0.324	2.295	SLD 3	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-1064	-12606	SLU 19	6804	3562	27022	2.5	6.39	1831	-10835	SLU 29	6573	3562	26784	2.5	3.59	Si
741	2X/2Y ø6/24.8	-1064	-12755	SLU 19	6823	3562	27042	2.5	6.41	1831	-10984	SLU 29	6593	3562	26804	2.5	3.6	Si
712	2X/2Y ø6/24.8	-1064	-12907	SLU 19	6843	3562	27062	2.5	6.43	1831	-11136	SLU 29	6612	3562	26824	2.5	3.61	Si
683	2X/2Y ø6/24.8	-1064	-13059	SLU 19	6863	3562	27083	2.5	6.45	1831	-11287	SLU 29	6632	3562	26844	2.5	3.62	Si
653	2X/2Y ø6/24.8	-1064	-13210	SLU 19	6882	3562	27103	2.5	6.47	1831	-11439	SLU 29	6652	3562	26865	2.5	3.63	Si
624	2X/2Y ø6/24.8	-1064	-13362	SLU 19	6902	3562	27124	2.5	6.49	1831	-11591	SLU 29	6672	3562	26885	2.5	3.64	Si
595	2X/2Y ø6/24.8	-1064	-13514	SLU 19	6922	3562	27144	2.5	6.51	1831	-11742	SLU 29	6691	3562	26906	2.5	3.65	Si
566	2X/2Y ø6/24.8	-1064	-13665	SLU 19	6942	3562	27165	2.5	6.52	1831	-11894	SLU 29	6711	3562	26926	2.5	3.66	Si
537	2X/2Y ø6/24.8	-1064	-13817	SLU 19	6961	3562	27185	2.5	6.54	1831	-12046	SLU 29	6731	3562	26947	2.5	3.68	Si
508	2X/2Y ø6/24.8	-1064	-13969	SLU 19	6981	3562	27205	2.5	6.56	1831	-12197	SLU 29	6751	3562	26967	2.5	3.69	Si
478	2X/2Y ø6/24.8	-1064	-14120	SLU 19	7001	3562	27226	2.5	6.58	1831	-12349	SLU 29	6770	3562	26987	2.5	3.7	Si
449	2X/2Y ø6/24.8	-1064	-14272	SLU 19	7021	3562	27246	2.5	6.6	1831	-12501	SLU 29	6790	3562	27008	2.5	3.71	Si
420	2X/2Y ø6/24.8	-1064	-14421	SLU 19	7040	3562	27266	2.5	6.62	1831	-12650	SLU 29	6809	3562	27028	2.5	3.72	Si
350	2X/2Y ø6/23.9	877	-43758	SLU 18	12158	4223	38586	2.5	13.86	988	-54139	SLU 29	12670	4223	40007	2.5	12.82	Si
290	2X/2Y ø6/23.9	877	-44059	SLU 18	12198	4223	38627	2.5	13.9	988	-54530	SLU 29	12670	4223	40061	2.5	12.82	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-23387	-32042	SLV 3	10608	4223	36982	2.5	0.45	4315	-44263	SLV 11	12225	4223	38655	2.5	2.83	No
320	2X/2Y ø6/23.9	-23387	-32191	SLV 3	10628	4223	37003	2.5	0.45	4315	-44413	SLV 11	12245	4223	38676	2.5	2.84	No
290	2X/2Y ø6/23.9	-23387	-32343	SLV 3	10648	4223	37024	2.5	0.46	4315	-44564	SLV 11	12265	4223	38697	2.5	2.84	No
260	2X/2Y ø6/23.9	-23387	-32495	SLV 3	10668	4223	37044	2.5	0.46	4315	-44716	SLV 11	12285	4223	38717	2.5	2.85	No
230	2X/2Y ø6/23.9	-23387	-32647	SLV 3	10688	4223	37065	2.5	0.46	4315	-44868	SLV 11	12305	4223	38738	2.5	2.85	No
200	2X/2Y ø6/23.9	-23387	-32799	SLV 3	10708	4223	37086	2.5	0.46	4315	-45020	SLV 11	12325	4223	38759	2.5	2.86	No
170	2X/2Y ø6/23.9	-23387	-32951	SLV 3	10728	4223	37107	2.5	0.46	4315	-45172	SLV 11	12346	4223	38780	2.5	2.86	No
140	2X/2Y ø6/23.9	-23387	-33103	SLV 3	10748	4223	37128	2.5	0.46	4315	-45324	SLV 11	12366	4223	38801	2.5	2.87	No
110	2X/2Y ø6/23.9	-23387	-33255	SLV 3	10768	4223	37148	2.5	0.46	4315	-45476	SLV 11	12386	4223	38821	2.5	2.87	No
80	2X/2Y ø6/23.9	-23387	-33406	SLV 3	10789	4223	37169	2.5	0.46	4315	-45628	SLV 11	12406	4223	38842	2.5	2.87	No
50	2X/2Y ø6/23.9	-23387	-33558	SLV 3	10809	4223	37190	2.5	0.46	4315	-45779	SLV 11	12426	4223	38863	2.5	2.88	No
20	2X/2Y ø6/23.9	-23387	-33712	SLV 3	10829	4223	37211	2.5	0.46	4315	-45933	SLV 11	12446	4223	38884	2.5	2.88	No
-10	2X/2Y ø6/23.9	-23387	-33860	SLV 3	10849	4223	37231	2.5	0.46	4315	-46081	SLV 11	12466	4223	38904	2.5	2.89	No
770	2X/2Y ø6/24.8	-5802	-4354	SLV 3	5730	3562	25911	2.5	0.99	6873	-11679	SLV 11	6683	3562	26897	2.5	0.97	No
741	2X/2Y ø6/24.8	-5802	-4469	SLV 3	5745	3562	25927	2.5	0.99	6873	-11793	SLV 11	6698	3562	26913	2.5	0.97	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	8723	-42372	SLD 13	11975	4223	38396	2.5	1.37	1933	-41294	SLD 11	11832	4223	38249	2.5	6.12	Si
320	2X/2Y ø6/23.9	8723	-42521	SLD 13	11995	4223	38417	2.5	1.38	1933	-41443	SLD 11	11852	4223	38269	2.5	6.13	Si
290	2X/2Y ø6/23.9	8723	-42673	SLD 13	12015	4223	38438	2.5	1.38	1933	-41595	SLD 11	11872	4223	38290	2.5	6.14	Si
260	2X/2Y ø6/23.9	8723	-42825	SLD 13	12035	4223	38459	2.5	1.38	1933	-41747	SLD 11	11892	4223	38311	2.5	6.15	Si
230	2X/2Y ø6/23.9	8723	-42977	SLD 13	12055	4223	38479	2.5	1.38	1933	-41899	SLD 11	11912	4223	38332	2.5	6.16	Si
200	2X/2Y ø6/23.9	8723	-43129	SLD 13	12075	4223	38500	2.5	1.38	1933	-42051	SLD 11	11933	4223	38353	2.5	6.17	Si
170	2X/2Y ø6/23.9	8723	-43281	SLD 13	12095	4223	38521	2.5	1.39	1933	-42203	SLD 11	11953	4223	38373	2.5	6.18	Si
140	2X/2Y ø6/23.9	8723	-43432	SLD 13	12115	4223	38542	2.5	1.39	1933	-42355	SLD 11	11973	4223	38394	2.5	6.19	Si
110	2X/2Y ø6/23.9	8723	-43584	SLD 13	12135	4223	38562	2.5	1.39	1933	-42507	SLD 11	11993	4223	38415	2.5	6.2	Si

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
80	2X/2Y ø6/23.9	8723	-43736	SLD 13	12156	4223	38583	2.5	1.39	1933	-42658	SLD 11	12013	4223	38436	2.5	6.21	Si
50	2X/2Y ø6/23.9	8723	-43888	SLD 13	12176	4223	38604	2.5	1.4	1933	-42810	SLD 11	12033	4223	38457	2.5	6.22	Si
20	2X/2Y ø6/23.9	8723	-44042	SLD 13	12196	4223	38625	2.5	1.4	1933	-42964	SLD 11	12053	4223	38478	2.5	6.23	Si
-10	2X/2Y ø6/23.9	8723	-44189	SLD 13	12215	4223	38645	2.5	1.4	1933	-43111	SLD 11	12073	4223	38498	2.5	6.24	Si
770	2X/2Y ø6/24.8	-2502	-7368	SLD 3	6122	3562	26317	2.5	1.85	3199	-9940	SLD 11	6457	3562	26663	2.5	2.02	Si
741	2X/2Y ø6/24.8	-2502	-7483	SLD 3	6137	3562	26332	2.5	1.85	3199	-10055	SLD 11	6472	3562	26679	2.5	2.02	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.484	143	0.518	0.183	0.502	SLV 3	No
320	0.485	143	0.518	0.183	0.502	SLV 3	No
290	0.486	144	0.519	0.183	0.504	SLV 3	No
260	0.486	144	0.519	0.183	0.504	SLV 3	No
230	0.487	145	0.521	0.184	0.506	SLV 3	No
200	0.488	145	0.521	0.184	0.506	SLV 3	No
170	0.489	146	0.522	0.185	0.507	SLV 3	No
140	0.49	146	0.522	0.185	0.507	SLV 3	No
110	0.49	146	0.522	0.185	0.507	SLV 3	No
80	0.491	147	0.524	0.185	0.509	SLV 3	No
50	0.492	148	0.525	0.186	0.51	SLV 3	No
20	0.493	148	0.525	0.186	0.51	SLV 3	No
-10	0.494	149	0.527	0.186	0.512	SLV 3	No
770	0.965	652	0.965	0.351	0.966	SLV 11	No
741	0.967	656	0.967	0.352	0.968	SLV 11	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.379	159	1.361	0.192	1.364	SLD 3	Si
320	1.381	159	1.361	0.192	1.364	SLD 3	Si
290	1.383	161	1.368	0.193	1.368	SLD 3	Si
260	1.387	161	1.368	0.193	1.368	SLD 3	Si
230	1.387	161	1.368	0.193	1.368	SLD 3	Si
200	1.391	162	1.371	0.194	1.372	SLD 3	Si
170	1.393	163	1.375	0.194	1.377	SLD 3	Si
140	1.395	163	1.375	0.194	1.377	SLD 3	Si
110	1.396	164	1.378	0.195	1.381	SLD 3	Si
80	1.398	164	1.378	0.195	1.381	SLD 3	Si
50	1.402	165	1.382	0.195	1.385	SLD 3	Si
20	1.404	165	1.382	0.195	1.385	SLD 3	Si
-10	1.406	166	1.385	0.196	1.39	SLD 3	Si
770	2.752	745	2.563	0.371	2.626	SLD 11	Si
741	2.758	749	2.569	0.371	2.632	SLD 11	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 25

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	4856	-13723	-40754	27004	-76309	SLU 30	5.561	Si
20	18.1	1.8	0	1,2,3,4	6835	-5424	-40563	38189	-30305	SLU 30	5.587	Si
50	18.1	1.8	0	1,2,3,4	8901	3238	-40363	49976	18177	SLU 30	5.615	Si
80	18.1	0.9	0	2,3,4	10941	11789	-40165	61729	66516	SLU 30	5.642	Si
110	18.1	0.9	0	2,3,4	12980	20341	-39968	73598	115332	SLU 30	5.67	Si
140	18.1	0.9	0	2,3,4	15020	28892	-39770	85584	164633	SLU 30	5.698	Si
170	18.1	0.9	0	2,3,4	17059	37444	-39573	97691	214425	SLU 30	5.727	Si
200	18.1	0.9	0	2,3,4	19094	45977	-39376	109892	264609	SLU 30	5.755	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
230	18.1	0.9	0	2,3,4	21138	54547	-39178	122269	315516	SLU 30	5.784	Si
260	18.1	0.9	0	2,3,4	23177	63098	-38981	134745	366830	SLU 30	5.814	Si
290	18.1	0.9	0	2,3,4	25217	71650	-38783	147348	418666	SLU 30	5.843	Si
320	18.1	0.9	0	2,3,4	27256	80201	-38586	160080	471032	SLU 30	5.873	Si
350	18.1	0.9	0	2,3,4	29262	88610	-38391	172728	523051	SLU 30	5.903	Si
420	18.1	2.3	0	2,3,4,5	676	190614	-11295	5110	1441029	SLU 19	7.56	Si
449	18.1	2.3	0	2,3,4,5	695	163224	-11146	6126	1438489	SLU 19	8.813	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	-30536	3293889	-24017	-7318	789362	SLV 3	0.24				No
20	18.1	1.8	0	1,2,3,4	-17326	2841524	-23869	-4923	807364	SLV 3	0.284				No
50	18.1	1.8	0	1,2,3,4	3176	2369361	-23715	1119	835005	SLV 3	0.352				No
350	18.1	0.9	0	2,3,4	155048	-2284472	-22199	56228	-828454	SLV 3	0.363				No
80	18.1	0.9	0	2,3,4	8816	1903216	-23563	4072	879134	SLV 3	0.462				No
320	18.1	0.9	0	2,3,4	140151	-1826097	-22348	67118	-874517	SLV 3	0.479				No
110	18.1	0.9	0	2,3,4	23019	1437077	-23412	15422	962801	SLV 3	0.67				No
290	18.1	0.9	0	2,3,4	125022	-1359958	-22500	88815	-966111	SLV 3	0.71				No
140	18.1	0.9	0	2,3,4	50523	970953	-23260	60843	1169278	SLV 3	1.204				Si
260	18.1	0.9	0	2,3,4	109923	-893836	-22652	148260	-1205566	SLV 3	1.349				Si
770	18.1	1.1	0	5	28845	-521056	-7433	41563	-750793	SLV 3	1.441				Si
420	18.1	2.3	0	2,3,4,5	144653	531586	-8829	212202	779824	SLV 3	1.467				Si
741	18.1	1.1	0	5	37792	-435274	-7548	69116	-796047	SLV 3	1.829				Si
449	18.1	2.3	0	2,3,4,5	134976	445888	-8715	247444	817426	SLV 3	1.833				Si
478	18.1	2.3	0	2,3,4,5	202801	377609	-12175	480195	894107	SLV 7	2.368				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-11744	1491043	-27205	-7953	1009716	SLD 3	0.677	No
20	18.1	1.8	0	1,2,3,4	-5039	1289032	-27057	-4231	1082292	SLD 3	0.84	No
50	18.1	1.8	0	1,2,3,4	4938	1078180	-26903	5528	1206901	SLD 3	1.119	Si
350	18.1	0.9	0	2,3,4	80887	-1000060	-25387	98141	-1213388	SLD 3	1.213	Si
80	18.1	0.9	0	2,3,4	8336	870016	-26751	13541	1413212	SLD 3	1.624	Si
320	18.1	0.9	0	2,3,4	73430	-795366	-25536	132209	-1432039	SLD 3	1.8	Si
110	18.1	0.9	0	2,3,4	15489	661854	-26600	39803	1700866	SLD 3	2.57	Si
290	18.1	0.9	0	2,3,4	-27824	639531	-30755	-80141	1842005	SLD 13	2.88	Si
420	18.1	2.3	0	2,3,4,5	103185	303247	-10652	348382	1023847	SLD 7	3.376	Si
770	18.1	1.1	0	5	11856	-274753	-7680	43226	-1001728	SLD 3	3.646	Si
449	18.1	2.3	0	2,3,4,5	96044	257808	-10538	399500	1072361	SLD 7	4.16	Si
140	18.1	0.9	0	2,3,4	28491	453699	-26448	119353	1900627	SLD 3	4.189	Si
260	18.1	0.9	0	2,3,4	-23438	438155	-30907	-99746	1864705	SLD 13	4.256	Si
741	18.1	1.1	0	5	15831	-228086	-7795	78461	-1130443	SLD 3	4.956	Si
478	18.1	2.3	0	2,3,4,5	88783	211617	-10421	461717	1100515	SLD 7	5.201	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.342	71	0.389	0.13	0.357	SLV 3	No
20	0.396	95	0.438	0.15	0.413	SLV 3	No
50	0.474	136	0.507	0.179	0.491	SLV 3	No
350	0.495	149	0.527	0.186	0.512	SLV 3	No
80	0.586	213	0.61	0.219	0.602	SLV 3	No
320	0.613	236	0.636	0.229	0.629	SLV 3	No
110	0.769	385	0.777	0.283	0.777	SLV 3	No
290	0.809	430	0.813	0.297	0.815	SLV 3	No
140	1.117	932	1.117	0.405	1.112	SLV 3	Si
260	1.176	1063	1.179	0.425	1.168	SLV 1	Si
770	1.404	1704	1.43	0.503	1.381	SLV 3	Si
420	1.439	1821	1.47	0.514	1.414	SLV 3	Si
741	1.711	2474	1.666	0.573	1.575	SLV 3	Si
449	1.754	2474	1.666	0.573	1.575	SLV 3	Si
478	2.23	2474	1.666	0.573	1.575	SLV 3	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.773	50	0.847	0.109	0.773	SLD 3	No
20	0.896	67	0.955	0.126	0.896	SLD 3	No
50	1.07	95	1.102	0.151	1.067	SLD 3	Si
350	1.117	103	1.139	0.157	1.11	SLD 3	Si
80	1.324	146	1.314	0.185	1.308	SLD 3	Si
320	1.387	161	1.368	0.193	1.368	SLD 3	Si
110	1.738	262	1.67	0.24	1.699	SLD 3	Si
290	1.828	292	1.746	0.251	1.781	SLD 3	Si
420	3.262	1146	3.058	0.437	3.094	SLD 3	Si
770	3.18	1069	2.972	0.426	3.018	SLD 3	Si
449	3.982	1949	3.802	0.527	3.734	SLD 3	Si
140	2.523	603	2.35	0.341	1.815	SLD 3	Si
260	2.658	685	1.877	0.359	2.541	SLD 1	Si
741	3.871	1807	3.686	0.513	3.636	SLD 3	Si
478	5.054	2474	4.193	0.603	4.276	SLD 9	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-955	-9480	SLU 19	6397	3562	26601	2.5	6.7	-14	-8184	SLU 17	6228	3562	26427	2.5	441.8	Si
741	2X/2Y ø6/24.8	-955	-9629	SLU 19	6416	3562	26621	2.5	6.72	-14	-8298	SLU 17	6243	3562	26442	2.5	443.46	Si
712	2X/2Y ø6/24.8	-955	-9781	SLU 19	6436	3562	26642	2.5	6.74	-14	-8415	SLU 17	6258	3562	26458	2.5	444.54	Si
683	2X/2Y ø6/24.8	-955	-9932	SLU 19	6456	3562	26662	2.5	6.76	-14	-8532	SLU 17	6274	3562	26473	2.5	445.62	Si
653	2X/2Y ø6/24.8	-955	-10084	SLU 19	6476	3562	26682	2.5	6.78	-14	-8648	SLU 17	6289	3562	26489	2.5	446.7	Si
624	2X/2Y ø6/24.8	-955	-10236	SLU 19	6495	3562	26703	2.5	6.8	-14	-8765	SLU 17	6304	3562	26505	2.5	447.77	Si
595	2X/2Y ø6/24.8	-955	-10387	SLU 19	6515	3562	26723	2.5	6.82	-14	-8882	SLU 17	6319	3562	26521	2.5	448.85	Si
566	2X/2Y ø6/24.8	-955	-10539	SLU 19	6535	3562	26744	2.5	6.84	-14	-8998	SLU 17	6334	3562	26536	2.5	449.93	Si
537	2X/2Y ø6/24.8	-955	-10691	SLU 19	6555	3562	26764	2.5	6.86	-14	-9115	SLU 17	6349	3562	26552	2.5	451.01	Si
508	2X/2Y ø6/24.8	-955	-10842	SLU 19	6574	3562	26785	2.5	6.88	-14	-9232	SLU 17	6365	3562	26568	2.5	452.09	Si
478	2X/2Y ø6/24.8	-955	-10994	SLU 19	6594	3562	26805	2.5	6.9	-14	-9348	SLU 17	6380	3562	26583	2.5	453.17	Si
449	2X/2Y ø6/24.8	-955	-11146	SLU 19	6614	3562	26825	2.5	6.92	-14	-9465	SLU 17	6395	3562	26599	2.5	454.24	Si
420	2X/2Y ø6/24.8	-955	-11295	SLU 19	6633	3562	26845	2.5	6.94	-14	-9580	SLU 17	6410	3562	26615	2.5	455.3	Si
350	2X/2Y ø6/23.9	-699	-33403	SLU 19	10788	4223	37169	2.5	15.44	75	-33857	SLU 26	10848	4223	37231	2.5	144.1	Si
320	2X/2Y ø6/23.9	-699	-33597	SLU 19	10814	4223	37195	2.5	15.48	75	-34051	SLU 26	10874	4223	37257	2.5	144.44	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-19549	-20712	SLV 3	9109	4223	35431	2.5	0.47	-898	-14669	SLV 9	8309	4223	34604	2.5	9.25	No

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
320	2X/2Y ø6/23.9	-19549	-20861	SLV 3	9128	4223	35452	2.5	0.47	-898	-14818	SLV 9	8329	4223	34624	2.5	9.27	No
290	2X/2Y ø6/23.9	-19549	-21013	SLV 3	9148	4223	35473	2.5	0.47	-898	-14970	SLV 9	8349	4223	34645	2.5	9.3	No
260	2X/2Y ø6/23.9	-19549	-21165	SLV 3	9169	4223	35493	2.5	0.47	-898	-15122	SLV 9	8369	4223	34666	2.5	9.32	No
230	2X/2Y ø6/23.9	-19549	-21317	SLV 3	9189	4223	35514	2.5	0.47	-898	-15274	SLV 9	8389	4223	34687	2.5	9.34	No
200	2X/2Y ø6/23.9	-19549	-21469	SLV 3	9209	4223	35535	2.5	0.47	-898	-15426	SLV 9	8409	4223	34708	2.5	9.36	No
170	2X/2Y ø6/23.9	-19549	-21620	SLV 3	9229	4223	35556	2.5	0.47	-898	-15577	SLV 9	8429	4223	34728	2.5	9.38	No
140	2X/2Y ø6/23.9	-19549	-21772	SLV 3	9249	4223	35576	2.5	0.47	-898	-15729	SLV 9	8449	4223	34749	2.5	9.41	No
110	2X/2Y ø6/23.9	-19549	-21924	SLV 3	9269	4223	35597	2.5	0.47	-898	-15881	SLV 9	8469	4223	34770	2.5	9.43	No
80	2X/2Y ø6/23.9	-19549	-22076	SLV 3	9289	4223	35618	2.5	0.48	-898	-16033	SLV 9	8489	4223	34791	2.5	9.45	No
50	2X/2Y ø6/23.9	-19549	-22228	SLV 3	9309	4223	35639	2.5	0.48	-898	-16185	SLV 9	8510	4223	34812	2.5	9.47	No
20	2X/2Y ø6/23.9	-19549	-22382	SLV 3	9330	4223	35660	2.5	0.48	-898	-16339	SLV 9	8530	4223	34833	2.5	9.5	No
-10	2X/2Y ø6/23.9	-19549	-22529	SLV 3	9349	4223	35680	2.5	0.48	-898	-16486	SLV 9	8549	4223	34853	2.5	9.52	No
770	2X/2Y ø6/24.8	-3643	-7319	SLV 3	6116	3562	26310	2.5	1.68	709	-3922	SLV 9	5674	3562	25853	2.5	8	Si
741	2X/2Y ø6/24.8	-3643	-7433	SLV 3	6131	3562	26326	2.5	1.68	709	-4037	SLV 9	5689	3562	25868	2.5	8.02	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-6939	-25387	SLD 3	9727	4223	36071	2.5	1.4	386	-32570	SLD 7	10678	4223	37055	2.5	27.64	Si
320	2X/2Y ø6/23.9	-6939	-25536	SLD 3	9747	4223	36092	2.5	1.4	386	-32719	SLD 7	10698	4223	37075	2.5	27.69	Si
290	2X/2Y ø6/23.9	-6939	-25688	SLD 3	9767	4223	36113	2.5	1.41	386	-32871	SLD 7	10718	4223	37096	2.5	27.74	Si
260	2X/2Y ø6/23.9	-6939	-25840	SLD 3	9787	4223	36133	2.5	1.41	386	-33023	SLD 7	10738	4223	37117	2.5	27.8	Si
230	2X/2Y ø6/23.9	-6939	-25992	SLD 3	9807	4223	36154	2.5	1.41	386	-33175	SLD 7	10758	4223	37137	2.5	27.85	Si
200	2X/2Y ø6/23.9	-6939	-26144	SLD 3	9828	4223	36175	2.5	1.42	386	-33327	SLD 7	10778	4223	37158	2.5	27.9	Si
170	2X/2Y ø6/23.9	-6939	-26296	SLD 3	9848	4223	36196	2.5	1.42	386	-33478	SLD 7	10798	4223	37179	2.5	27.95	Si
140	2X/2Y ø6/23.9	-6939	-26448	SLD 3	9868	4223	36217	2.5	1.42	386	-33630	SLD 7	10818	4223	37200	2.5	28	Si
110	2X/2Y ø6/23.9	-6939	-26600	SLD 3	9888	4223	36237	2.5	1.42	386	-33782	SLD 7	10838	4223	37221	2.5	28.06	Si
80	2X/2Y ø6/23.9	-6939	-26751	SLD 3	9908	4223	36258	2.5	1.43	386	-33934	SLD 7	10858	4223	37241	2.5	28.11	Si
50	2X/2Y ø6/23.9	-6939	-26903	SLD 3	9928	4223	36279	2.5	1.43	386	-34086	SLD 7	10878	4223	37262	2.5	28.16	Si
20	2X/2Y ø6/23.9	-6939	-27057	SLD 3	9948	4223	36300	2.5	1.43	386	-34240	SLD 7	10899	4223	37283	2.5	28.21	Si
-10	2X/2Y ø6/23.9	-6939	-27205	SLD 3	9968	4223	36320	2.5	1.44	386	-34387	SLD 7	10918	4223	37303	2.5	28.26	Si
770	2X/2Y ø6/24.8	-1633	-7680	SLD 3	6163	3562	26359	2.5	3.77	247	-6492	SLD 9	6008	3562	26199	2.5	24.29	Si
741	2X/2Y ø6/24.8	-1633	-7795	SLD 3	6178	3562	26374	2.5	3.78	247	-6607	SLD 9	6023	3562	26214	2.5	24.35	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.488	145	0.521	0.184	0.506	SLV 3	No
320	0.489	146	0.522	0.185	0.507	SLV 3	No
290	0.49	146	0.522	0.185	0.507	SLV 3	No
260	0.491	147	0.524	0.185	0.509	SLV 3	No
230	0.492	148	0.525	0.186	0.51	SLV 3	No
200	0.493	148	0.525	0.186	0.51	SLV 3	No
170	0.494	149	0.527	0.186	0.512	SLV 3	No
140	0.495	149	0.527	0.186	0.512	SLV 3	No
110	0.496	150	0.528	0.187	0.514	SLV 3	No
80	0.497	151	0.529	0.187	0.515	SLV 3	No
50	0.498	151	0.529	0.187	0.515	SLV 3	No
20	0.499	152	0.531	0.188	0.517	SLV 3	No
-10	0.5	153	0.532	0.189	0.518	SLV 3	No
770	1.781	2474	1.666	0.573	1.575	SLV 3	Si
741	1.785	2474	1.666	0.573	1.575	SLV 3	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.391	162	1.371	0.194	1.372	SLD 3	Si
320	1.393	163	1.375	0.194	1.377	SLD 3	Si
290	1.395	163	1.375	0.194	1.377	SLD 3	Si
260	1.398	164	1.378	0.195	1.381	SLD 3	Si
230	1.4	164	1.378	0.195	1.381	SLD 3	Si
200	1.402	165	1.382	0.195	1.385	SLD 3	Si
170	1.406	166	1.385	0.196	1.39	SLD 3	Si
140	1.41	167	1.388	0.197	1.394	SLD 3	Si
110	1.412	167	1.388	0.197	1.394	SLD 3	Si
80	1.414	167	1.388	0.197	1.394	SLD 3	Si
50	1.418	168	1.392	0.197	1.398	SLD 3	Si
20	1.42	169	1.395	0.198	1.402	SLD 3	Si
-10	1.422	169	1.395	0.198	1.402	SLD 3	Si
770	5.088	2474	4.193	0.603	4.276	SLD 3	Si
741	5.102	2474	4.193	0.603	4.276	SLD 3	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 25A

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-60	R 40x50	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-14.7	-19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	14.7	-19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	14.7	19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	-14.7	19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.2	-14.7	-19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	14.7	-19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	14.7	19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	-14.7	19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-60	18.1	0.9	0	2	366689	-44169	-8128	1336717	-161013	SLU 36	3.645	Si
-89	18.1	0.9	0	2	334944	-39820	-8315	1434697	-170565	SLU 36	4.283	Si
-119	18.1	0.9	0	2	302649	-35395	-8506	1559034	-182332	SLU 36	5.151	Si
-148	18.1	0.9	0	2	270354	-30971	-8697	1709258	-195807	SLU 36	6.322	Si
-177	18.1	0.9	0	2	238059	-26546	-8887	1873884	-208960	SLU 36	7.872	Si
-207	18.1	0.9	0	2	205764	-22122	-9078	2007939	-215875	SLU 36	9.758	Si
-236	18.1	0.9	0	2	173469	-17697	-9269	2066502	-210824	SLU 36	11.913	Si
-265	18.1	0.9	0	2	141115	-13265	-9460	2002336	-188218	SLU 36	14.189	Si
-500	18.1	1.8	0	1,2	-116635	22048	-10982	-1702951	321916	SLU 36	14.601	Si
-295	18.1	0.9	0	2	109988	-9387	-9600	1803040	-153880	SLU 35	16.393	Si
-471	18.1	1.8	0	1,2	-84890	17699	-10794	-1438121	299835	SLU 36	16.941	Si
-324	18.1	0.9	0	2	78524	-5405	-9790	1479303	-101832	SLU 35	18.839	Si
-441	18.1	1.8	0	1,2	-52596	13274	-10603	-1043749	263428	SLU 36	19.845	Si
-412	18.1	0.9	0	2	-20301	8850	-10413	-437226	190605	SLU 36	21.538	Si
-353	18.1	0.9	0	2	47060	-1424	-9981	1015086	-30715	SLU 35	21.57	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-60	18.1	0.9	0	2	591662	-108232	-7854	1040840	-190400	SLV 7	1.759				Si
-89	18.1	0.9	0	2	516177	-93579	-7999	1102291	-199837	SLV 7	2.135				Si
-500	18.1	1.8	0	1,2	-557826	60033	-10049	-1192105	128294	SLV 7	2.137				Si
-471	18.1	1.8	0	1,2	-482339	51463	-9905	-1281607	136740	SLV 7	2.657				Si
-119	18.1	0.9	0	2	439387	-78718	-8145	1193688	-213854	SLV 7	2.717				Si
-441	18.1	1.8	0	1,2	335911	-18833	-5575	1148094	-64370	SLV 9	3.418				Si
-148	18.1	0.9	0	2	362603	-63949	-8292	1333406	-235162	SLV 7	3.677				Si
-412	18.1	0.9	0	2	303841	-17321	-5428	1191824	-67941	SLV 9	3.923				Si
-383	18.1	0.9	0	2	271776	-15777	-5281	1249169	-72516	SLV 9	4.596				Si
-177	18.1	0.9	0	2	285831	-49376	-8439	1560455	-269563	SLV 7	5.459				Si
-353	18.1	0.9	0	2	239721	-14181	-5135	1326050	-78446	SLV 9	5.532				Si
-324	18.1	0.9	0	2	207691	-12488	-4988	1429228	-85937	SLV 9	6.882				Si
-295	18.1	0.9	0	2	175760	-10584	-4841	1578867	-95079	SLV 9	8.983				Si
-207	18.1	0.9	0	2	209093	-35294	-8585	1880688	-317453	SLV 7	8.995				Si
-265	18.1	0.9	0	2	143318	-8173	-4695	1782407	-101647	SLV 9	11.837				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-60	18.1	0.9	0	2	404251	-67425	-6688	1135069	-189317	SLD 7	2.808	Si
-89	18.1	0.9	0	2	358595	-58957	-6832	1213817	-199566	SLD 7	3.385	Si
-119	18.1	0.9	0	2	312148	-50364	-6979	1323717	-213576	SLD 7	4.241	Si
-148	18.1	0.9	0	2	265704	-41811	-7126	1481145	-233073	SLD 7	5.574	Si
-500	18.1	1.8	0	1,2	-290977	37228	-8883	-1638291	209607	SLD 7	5.63	Si
-471	18.1	1.8	0	1,2	-245320	31453	-8739	-1803182	231189	SLD 7	7.35	Si
-177	18.1	0.9	0	2	219266	-33345	-7272	1700821	-258653	SLD 7	7.757	Si
-441	18.1	1.8	0	1,2	-198871	25572	-8592	-1969911	253298	SLD 7	9.905	Si
-207	18.1	0.9	0	2	172842	-25096	-7419	1943658	-282211	SLD 7	11.245	Si
-412	18.1	0.9	0	2	-152424	19682	-8446	-2028250	261902	SLD 7	13.307	Si
-236	18.1	0.9	0	2	127062	-20377	-7590	1979414	-317437	SLD 3	15.578	Si
-383	18.1	0.9	0	2	115348	28212	-6891	1868481	456998	SLD 5	16.199	Si
-353	18.1	0.9	0	2	116127	19623	-6744	1971310	333113	SLD 5	16.975	Si
-324	18.1	0.9	0	2	122359	-6935	-6154	2108902	-119520	SLD 9	17.235	Si
-295	18.1	0.9	0	2	120695	-8109	-6007	2098828	-141018	SLD 9	17.39	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-60	2.131	2474	1.666	0.573	1.575	SLV 7	Si
-89	2.699	2474	1.666	0.573	1.575	SLV 7	Si
-500	1.938	2474	1.666	0.573	1.575	SLV 9	Si
-471	2.107	2474	1.666	0.573	1.575	SLV 9	Si
-119	3.613	2474	1.666	0.573	1.575	SLV 7	Si
-441	2.324	2474	1.666	0.573	1.575	SLV 9	Si
-148	4.999	2474	1.666	0.573	1.575	SLV 9	Si
-412	2.605	2474	1.666	0.573	1.575	SLV 9	Si
-383	2.992	2474	1.666	0.573	1.575	SLV 9	Si
-177	6.564	2474	1.666	0.573	1.575	SLV 9	Si
-353	3.543	2474	1.666	0.573	1.575	SLV 9	Si
-324	4.404	2474	1.666	0.573	1.575	SLV 9	Si
-295	5.922	2474	1.666	0.573	1.575	SLV 9	Si
-207	9.32	2474	1.666	0.573	1.575	SLV 13	Si
-265	9.438	2474	1.666	0.573	1.575	SLV 9	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-60	4.814	2474	4.193	0.603	4.276	SLD 7	Si
-89	6.1	2474	4.193	0.603	4.276	SLD 7	Si
-119	8.163	2474	4.193	0.603	4.276	SLD 7	Si
-148	11.298	2474	4.193	0.603	4.276	SLD 9	Si
-500	4.384	2474	4.193	0.577	4.089	SLD 9	Si
-471	4.76	2474	4.193	0.603	4.276	SLD 9	Si
-177	14.828	2474	4.193	0.603	4.276	SLD 9	Si
-441	5.252	2474	4.193	0.603	4.276	SLD 9	Si
-207	21.071	2474	4.193	0.603	4.276	SLD 13	Si
-412	5.895	2474	4.193	0.603	4.276	SLD 9	Si
-236	32.746	2474	4.193	0.603	4.276	SLD 13	Si
-383	6.756	2474	4.193	0.603	4.276	SLD 9	Si
-353	8.002	2474	4.193	0.603	4.276	SLD 9	Si
-324	9.95	2474	4.193	0.603	4.276	SLD 9	Si
-295	13.393	2474	4.193	0.603	4.276	SLD 9	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-60	2X/2Y ø6/24.4	-172	-7244	SLU 20	7397	3606	32631	2.5	42.89	1101	-8128	SLU 36	7236	4646	33751	2.5	6.57	Si
-89	2X/2Y ø6/24.4	-172	-7432	SLU 20	7421	3606	32657	2.5	43.03	1101	-8315	SLU 36	7261	4646	33777	2.5	6.6	Si
-119	2X/2Y ø6/24.4	-172	-7623	SLU 20	7446	3606	32682	2.5	43.18	1101	-8506	SLU 36	7287	4646	33803	2.5	6.62	Si
-148	2X/2Y ø6/24.4	-172	-7813	SLU 20	7471	3606	32708	2.5	43.32	1101	-8697	SLU 36	7312	4646	33830	2.5	6.64	Si
-177	2X/2Y ø6/24.4	-172	-8004	SLU 20	7496	3606	32734	2.5	43.46	1101	-8887	SLU 36	7338	4646	33856	2.5	6.66	Si
-207	2X/2Y ø6/24.4	-172	-8195	SLU 20	7521	3606	32759	2.5	43.61	1101	-9078	SLU 36	7363	4646	33883	2.5	6.69	Si
-236	2X/2Y ø6/24.4	-172	-8385	SLU 20	7545	3606	32785	2.5	43.75	1101	-9269	SLU 36	7389	4646	33909	2.5	6.71	Si
-265	2X/2Y ø6/24.4	-172	-8576	SLU 20	7570	3606	32811	2.5	43.89	1101	-9460	SLU 36	7415	4646	33936	2.5	6.73	Si
-295	2X/2Y ø6/24.4	-172	-8767	SLU 20	7595	3606	32836	2.5	44.04	1101	-9650	SLU 36	7440	4646	33962	2.5	6.76	Si
-324	2X/2Y ø6/24.4	-172	-8957	SLU 20	7620	3606	32862	2.5	44.18	1101	-9841	SLU 36	7466	4646	33988	2.5	6.78	Si
-353	2X/2Y ø6/24.4	-172	-9148	SLU 20	7645	3606	32888	2.5	44.33	1101	-10031	SLU 36	7491	4646	34015	2.5	6.8	Si
-383	2X/2Y ø6/24.4	-172	-9339	SLU 20	7669	3606	32913	2.5	44.47	1101	-10222	SLU 36	7517	4646	34041	2.5	6.83	Si
-412	2X/2Y ø6/24.4	-172	-9529	SLU 20	7694	3606	32939	2.5	44.61	1101	-10413	SLU 36	7542	4646	34068	2.5	6.85	Si
-441	2X/2Y ø6/24.4	-172	-9720	SLU 20	7719	3606	32965	2.5	44.76	1101	-10603	SLU 36	7568	4646	34094	2.5	6.87	Si
-471	2X/2Y ø6/24.4	-172	-9911	SLU 20	7744	3606	32990	2.5	44.9	1101	-10794	SLU 36	7593	4646	34121	2.5	6.9	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-60	2X/2Y ø6/24.4	-1342	-8467	SLV 3	7556	3606	32796	2.5	5.63	3101	-8398	SLV 7	7272	4646	33788	2.5	2.35	Si
-89	2X/2Y ø6/24.4	-1342	-8611	SLV 3	7575	3606	32815	2.5	5.65	3101	-8543	SLV 7	7292	4646	33808	2.5	2.35	Si
-119	2X/2Y ø6/24.4	-1342	-8758	SLV 3	7594	3606	32835	2.5	5.66	3101	-8689	SLV 7	7311	4646	33829	2.5	2.36	Si
-148	2X/2Y ø6/24.4	-1342	-8905	SLV 3	7613	3606	32855	2.5	5.67	3101	-8836	SLV 7	7331	4646	33849	2.5	2.36	Si
-177	2X/2Y ø6/24.4	-1342	-9051	SLV 3	7632	3606	32875	2.5	5.69	3101	-8983	SLV 7	7351	4646	33869	2.5	2.37	Si
-207	2X/2Y ø6/24.4	-1342	-9198	SLV 3	7651	3606	32894	2.5	5.7	3101	-9129	SLV 7	7370	4646	33890	2.5	2.38	Si
-236	2X/2Y ø6/24.4	-1342	-9345	SLV 3	7670	3606	32914	2.5	5.72	3101	-9276	SLV 7	7390	4646	33910	2.5	2.38	Si
-265	2X/2Y ø6/24.4	-1342	-9492	SLV 3	7689	3606	32934	2.5	5.73	3101	-9423	SLV 7	7410	4646	33930	2.5	2.39	Si
-295	2X/2Y ø6/24.4	-1342	-9638	SLV 3	7708	3606	32954	2.5	5.75	3101	-9569	SLV 7	7429	4646	33951	2.5	1.8	Si
-324	2X/2Y ø6/24.4	-1342	-9785	SLV 3	7727	3606	32973	2.5	5.76	3101	-9716	SLV 7	7449	4646	33971	2.5	1.8	Si
-353	2X/2Y ø6/24.4	-1342	-9931	SLV 3	7747	3606	32993	2.5	5.77	3101	-9863	SLV 7	7469	4646	33991	2.5	1.81	Si
-383	2X/2Y ø6/24.4	-1342	-10078	SLV 3	7766	3606	33013	2.5	5.79	3101	-10009	SLV 7	7488	4646	34012	2.5	1.81	Si
-412	2X/2Y ø6/24.4	-1342	-10225	SLV 3	7785	3606	33033	2.5	5.8	3101	-10156	SLV 7	7508	4646	34032	2.5	1.82	Si
-441	2X/2Y ø6/24.4	-1342	-10371	SLV 3	7804	3606	33052	2.5	5.82	3101	-10303	SLV 7	7528	4646	34053	2.5	1.83	Si
-471	2X/2Y ø6/24.4	-1342	-10518	SLV 3	7823	3606	33072	2.5	5.83	3101	-10449	SLV 7	7547	4646	34073	2.5	1.83	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-60	2X/2Y ø6/24.4	-551	-6712	SLD 3	7328	3606	32560	2.5	13.29	1584	-6688	SLD 7	7043	4646	33551	2.5	4.45	Si
-89	2X/2Y ø6/24.4	-551	-6856	SLD 3	7346	3606	32579	2.5	13.33	1584	-6832	SLD 7	7062	4646	33571	2.5	4.46	Si
-119	2X/2Y ø6/24.4	-551	-7003	SLD 3	7366	3606	32599	2.5	13.36	1584	-6979	SLD 7	7082	4646	33591	2.5	4.47	Si
-148	2X/2Y ø6/24.4	-551	-7150	SLD 3	7385	3606	32619	2.5	13.4	1584	-7126	SLD 7	7102	4646	33612	2.5	4.48	Si
-177	2X/2Y ø6/24.4	-551	-7296	SLD 3	7404	3606	32638	2.5	13.43	1584	-7272	SLD 7	7121	4646	33632	2.5	4.5	Si
-207	2X/2Y ø6/24.4	-551	-7443	SLD 3	7423	3606	32658	2.5	13.47	1584	-7419	SLD 7	7141	4646	33652	2.5	4.51	Si
-236	2X/2Y ø6/24.4	-551	-7590	SLD 3	7442	3606	32678	2.5	13.5	1584	-7566	SLD 7	7161	4646	33673	2.5	4.52	Si
-265	2X/2Y ø6/24.4	-551	-7737	SLD 3	7461	3606	32698	2.5	13.54	1584	-7713	SLD 7	7180	4646	33693	2.5	4.53	Si
-295	2X/2Y ø6/24.4	-551	-7883	SLD 3	7480	3606	32717	2.5	13.57	1584	-7859	SLD 7	7200	4646	33714	2.5	4.55	Si
-324	2X/2Y ø6/24.4	-551	-8030	SLD 3	7499	3606	32737	2.5	13.6	1584	-8006	SLD 7	7220	4646	33734	2.5	4.56	Si
-353	2X/2Y ø6/24.4	-551	-8176	SLD 3	7518	3606	32757	2.5	13.64	1584	-8152	SLD 7	7239	4646	33754	2.5	4.57	Si
-383	2X/2Y ø6/24.4	-551	-8323	SLD 3	7537	3606	32777	2.5	13.67	1584	-8299	SLD 7	7259	4646	33775	2.5	4.58	Si
-412	2X/2Y ø6/24.4	-551	-8470	SLD 3	7556	3606	32796	2.5	13.71	1584	-8446	SLD 7	7279	4646	33795	2.5	4.6	Si
-441	2X/2Y ø6/24.4	-551	-8616	SLD 3	7575	3606	32816	2.5	13.74	1584	-8592	SLD 7	7298	4646	33815	2.5	4.61	Si
-471	2X/2Y ø6/24.4	-551	-8763	SLD 3	7595	3606	32836	2.5	13.78	1584	-8739	SLD 7	7318	4646	33836	2.5	4.62	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
-60	2.954	2474	1.666	0.573	1.575	SLV 9	Si
-89	2.954	2474	1.666	0.573	1.575	SLV 9	Si
-119	2.954	2474	1.666	0.573	1.575	SLV 9	Si
-148	2.954	2474	1.666	0.573	1.575	SLV 9	Si
-177	2.954	2474	1.666	0.573	1.575	SLV 9	Si
-207	2.954	2474	1.666	0.573	1.575	SLV 9	Si
-236	2.954	2474	1.666	0.573	1.575	SLV 9	Si
-265	2.954	2474	1.666	0.573	1.575	SLV 9	Si
-295	2.954	2474	1.666	0.573	1.575	SLV 9	Si
-324	2.954	2474	1.666	0.573	1.575	SLV 9	Si
-353	2.954	2474	1.666	0.573	1.575	SLV 9	Si
-383	2.954	2474	1.666	0.573	1.575	SLV 9	Si
-412	2.954	2474	1.666	0.573	1.575	SLV 9	Si
-441	2.954	2474	1.666	0.573	1.575	SLV 9	Si
-471	2.957	2474	1.666	0.573	1.575	SLV 9	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
-60	8.412	2474	4.193	0.603	4.276	SLD 9	Si
-89	8.412	2474	4.193	0.603	4.276	SLD 9	Si
-119	8.412	2474	4.193	0.603	4.276	SLD 9	Si
-148	8.412	2474	4.193	0.603	4.276	SLD 9	Si
-177	8.412	2474	4.193	0.603	4.276	SLD 9	Si
-207	8.412	2474	4.193	0.603	4.276	SLD 9	Si
-236	8.412	2474	4.193	0.603	4.276	SLD 9	Si
-265	8.412	2474	4.193	0.603	4.276	SLD 9	Si
-295	8.412	2474	4.193	0.603	4.276	SLD 9	Si
-324	8.412	2474	4.193	0.603	4.276	SLD 9	Si
-353	8.412	2474	4.193	0.603	4.276	SLD 9	Si
-383	8.412	2474	4.193	0.603	4.276	SLD 9	Si
-412	8.412	2474	4.193	0.603	4.276	SLD 9	Si
-441	8.412	2474	4.193	0.603	4.276	SLD 9	Si
-471	8.412	2474	4.193	0.603	4.276	SLD 9	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 25B

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-60	R 40x50	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-14.7	-19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	14.7	-19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	14.7	19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	-14.7	19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.2	-14.7	-19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	14.7	-19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	14.7	19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	-14.7	19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-60	18.1	0.9	0	2	680870	-14586	-8515	1026805	-21997	SLU 30	1.508	Si
-500	18.1	1.8	0	1,2	-701051	54962	-11233	-1127982	88433	SLU 29	1.609	Si
-89	18.1	0.9	0	2	589986	-10052	-8703	1091437	-18596	SLU 30	1.85	Si
-471	18.1	1.8	0	1,2	-610580	50356	-11046	-1197651	98774	SLU 29	1.961	Si
-119	18.1	0.9	0	2	497526	-5440	-8894	1196141	-13078	SLU 30	1.804	Si
-441	18.1	1.8	0	1,2	-518540	45671	-10855	-1301665	114645	SLU 29	2.51	Si
-148	18.1	0.9	0	2	405066	-827	-9084	1374579	-2807	SLU 30	3.393	Si
-412	18.1	0.9	0	2	-426501	40985	-10665	-1453433	139671	SLU 29	3.408	Si
-383	18.1	0.9	0	2	-334461	36300	-10474	-1686497	183040	SLU 29	5.042	Si
-177	18.1	0.9	0	2	312606	3785	-9275	1685476	20408	SLU 30	5.392	Si
-353	18.1	0.9	0	2	-242421	31615	-10283	-1956630	255168	SLU 29	8.071	Si
-207	18.1	0.9	0	2	220146	8398	-9466	2054184	78358	SLU 30	9.331	Si
-324	18.1	0.9	0	2	-150382	26929	-10093	-1927828	345221	SLU 29	12.82	Si
-236	18.1	0.9	0	2	129441	13304	-9795	1917411	197072	SLU 36	14.813	Si
-295	18.1	0.9	0	2	-57235	22235	-10038	-1137078	441739	SLU 30	19.867	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-500	18.1	1.8	0	1,2	-1344041	142711	-13003	-953945	101290	SLV 7	0.71				No
-60	18.1	0.9	0	2	1194995	-83962	-10808	940187	-66059	SLV 7	0.787				No
-471	18.1	1.8	0	1,2	-1177281	127927	-12859	-983659	106888	SLV 7	0.836				No
-89	18.1	0.9	0	2	1028235	-69250	-10953	977961	-65864	SLV 7	0.951				No
-441	18.1	1.8	0	1,2	-1007630	112899	-12713	-1026883	115056	SLV 7	1.019				Si
-119	18.1	0.9	0	2	858585	-54338	-11099	1036886	-65623	SLV 7	1.208				Si
-412	18.1	0.9	0	2	-837979	97888	-12566	-1094003	127795	SLV 7	1.306				Si
-148	18.1	0.9	0	2	688936	-39543	-11246	1139027	-65377	SLV 7	1.653				Si
-383	18.1	0.9	0	2	-668330	82905	-12419	-1207672	149809	SLV 7	1.807				Si
-177	18.1	0.9	0	2	519290	-25008	-11393	1347622	-64898	SLV 7	2.595				Si
-353	18.1	0.9	0	2	-498683	67967	-12273	-1417187	193152	SLV 7	2.842				Si
-207	18.1	0.9	0	2	349652	-2910	-11539	1813679	-15096	SLV 7	5.187				Si
-324	18.1	0.9	0	2	-329044	53112	-12126	-1794730	289693	SLV 7	5.454				Si
-236	18.1	0.9	0	2	180071	11080	-11686	2043557	125740	SLV 7	11.349				Si
-295	18.1	0.9	0	2	-159444	38430	-11979	-1828923	440813	SLV 7	11.471				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	1.8	0	1,2	-871949	85223	-10441	-1010430	98758	SLD 7	1.159	Si
-60	18.1	0.9	0	2	799794	-42669	-8246	969983	-51748	SLD 7	1.213	Si
-471	18.1	1.8	0	1,2	-762151	76869	-10297	-1051652	106068	SLD 7	1.38	Si
-89	18.1	0.9	0	2	689996	-34346	-8390	1016666	-50607	SLD 7	1.473	Si
-441	18.1	1.8	0	1,2	-650449	68376	-10150	-1113199	117021	SLD 7	1.711	Si
-119	18.1	0.9	0	2	578294	-25905	-8537	1090447	-48847	SLD 7	1.886	Si
-412	18.1	0.9	0	2	-538747	59890	-10003	-1210066	134517	SLD 7	2.246	Si
-148	18.1	0.9	0	2	466594	-17514	-8683	1220122	-45799	SLD 7	2.615	Si
-383	18.1	0.9	0	2	-427046	51417	-9857	-1370781	165043	SLD 7	3.21	Si
-177	18.1	0.9	0	2	354894	-9239	-8830	1478251	-38483	SLD 7	4.165	Si
-353	18.1	0.9	0	2	-315346	42963	-9710	-1638963	223294	SLD 7	5.197	Si
-207	18.1	0.9	0	2	243198	2382	-8977	1937332	18979	SLD 7	7.966	Si
-324	18.1	0.9	0	2	-203650	34546	-9563	-1959482	332398	SLD 7	9.622	Si
-236	18.1	0.9	0	2	131527	10417	-9123	1990044	157605	SLD 7	15.13	Si
-295	18.1	0.9	0	2	-91970	26206	-9417	-1597105	455075	SLD 7	17.365	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-500	0.582	210	0.606	0.218	0.599	SLV 7	No
-60	0.662	278	0.68	0.246	0.676	SLV 7	No
-471	0.768	384	0.776	0.283	0.776	SLV 7	No
-89	0.922	584	0.922	0.336	0.924	SLV 7	No
-441	1.027	760	1.027	0.373	1.026	SLV 7	Si
-119	1.32	1445	1.337	0.474	1.303	SLV 7	Si
-412	1.406	1711	1.433	0.503	1.383	SLV 7	Si
-148	1.988	2474	1.666	0.573	1.575	SLV 7	Si
-383	2.014	2474	1.666	0.573	1.575	SLV 7	Si
-177	2.919	2474	1.666	0.573	1.575	SLV 9	Si
-353	2.597	2474	1.666	0.573	1.575	SLV 9	Si
-207	3.777	2474	1.666	0.573	1.575	SLV 9	Si
-324	3.229	2474	1.666	0.573	1.575	SLV 9	Si
-236	5.607	2474	1.666	0.573	1.575	SLV 9	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-295	4.473	2474	1.666	0.573	1.575	SLV 9	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-500	1.316	144	1.307	0.184	1.304	SLD 7	Si
-60	1.496	188	1.458	0.208	1.472	SLD 7	Si
-471	1.734	261	1.667	0.239	1.696	SLD 7	Si
-89	2.084	389	1.964	0.284	2.015	SLD 7	Si
-441	2.318	493	2.164	0.314	2.228	SLD 7	Si
-119	2.986	909	2.781	0.401	2.841	SLD 7	Si
-412	3.174	1064	2.967	0.425	3.013	SLD 7	Si
-148	4.5	2474	4.193	0.591	4.191	SLD 7	Si
-383	4.548	2474	4.193	0.597	4.233	SLD 7	Si
-177	6.599	2474	4.193	0.603	4.276	SLD 9	Si
-353	5.867	2474	4.193	0.603	4.276	SLD 9	Si
-207	8.529	2474	4.193	0.603	4.276	SLD 9	Si
-324	7.303	2474	4.193	0.603	4.276	SLD 9	Si
-236	12.66	2474	4.193	0.603	4.276	SLD 9	Si
-295	10.111	2474	4.193	0.603	4.276	SLD 9	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-60	2X/2Y ø6/24.4	-160	-8380	SLU 29	7545	3606	32784	2.5	47.23	3152	-8515	SLU 30	7288	4646	33805	2.5	2.31	Si
-89	2X/2Y ø6/24.4	-160	-8567	SLU 29	7569	3606	32810	2.5	47.39	3152	-8703	SLU 30	7313	4646	33831	2.5	2.32	Si
-119	2X/2Y ø6/24.4	-160	-8758	SLU 29	7594	3606	32835	2.5	47.54	3152	-8894	SLU 30	7339	4646	33857	2.5	2.33	Si
-148	2X/2Y ø6/24.4	-160	-8949	SLU 29	7619	3606	32861	2.5	47.7	3152	-9084	SLU 30	7364	4646	33883	2.5	2.34	Si
-177	2X/2Y ø6/24.4	-160	-9139	SLU 29	7644	3606	32887	2.5	47.85	3152	-9275	SLU 30	7390	4646	33910	2.5	2.34	Si
-207	2X/2Y ø6/24.4	-160	-9330	SLU 29	7668	3606	32912	2.5	48.01	3152	-9466	SLU 30	7415	4646	33936	2.5	2.35	Si
-236	2X/2Y ø6/24.4	-160	-9521	SLU 29	7693	3606	32938	2.5	48.16	3152	-9656	SLU 30	7441	4646	33963	2.5	2.36	Si
-265	2X/2Y ø6/24.4	-160	-9712	SLU 29	7718	3606	32964	2.5	48.32	3152	-9847	SLU 30	7466	4646	33989	2.5	2.37	Si
-295	2X/2Y ø6/24.4	-160	-9902	SLU 29	7743	3606	32989	2.5	48.47	3152	-10038	SLU 30	7492	4646	34016	2.5	2.38	Si
-324	2X/2Y ø6/24.4	-160	-10093	SLU 29	7768	3606	33015	2.5	48.63	3152	-10228	SLU 30	7518	4646	34042	2.5	2.38	Si
-353	2X/2Y ø6/24.4	-160	-10283	SLU 29	7792	3606	33041	2.5	48.78	3152	-10419	SLU 30	7543	4646	34069	2.5	2.39	Si
-383	2X/2Y ø6/24.4	-160	-10474	SLU 29	7817	3606	33066	2.5	48.94	3152	-10610	SLU 30	7569	4646	34095	2.5	1.8	Si
-412	2X/2Y ø6/24.4	-160	-10665	SLU 29	7842	3606	33092	2.5	49.1	3152	-10800	SLU 30	7594	4646	34122	2.5	1.81	Si
-441	2X/2Y ø6/24.4	-160	-10855	SLU 29	7867	3606	33118	2.5	49.25	3152	-10991	SLU 30	7620	4646	34148	2.5	1.82	Si
-471	2X/2Y ø6/24.4	-160	-11046	SLU 29	7892	3606	33143	2.5	49.41	3152	-11182	SLU 30	7645	4646	34174	2.5	1.83	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-60	2X/2Y ø6/24.4	-1355	-8384	SLV 3	7545	3606	32785	2.5	5.57	6705	-12003	SLV 7	7756	4646	34288	2.5	1.16	Si
-89	2X/2Y ø6/24.4	-1355	-8528	SLV 3	7564	3606	32804	2.5	5.58	6705	-12148	SLV 7	7775	4646	34308	2.5	1.16	Si
-119	2X/2Y ø6/24.4	-1355	-8675	SLV 3	7583	3606	32824	2.5	5.6	6705	-12294	SLV 7	7795	4646	34329	2.5	1.16	Si
-148	2X/2Y ø6/24.4	-1355	-8822	SLV 3	7602	3606	32844	2.5	5.61	6705	-12441	SLV 7	7814	4646	34349	2.5	1.17	Si
-177	2X/2Y ø6/24.4	-1355	-8968	SLV 3	7621	3606	32864	2.5	5.62	6705	-12588	SLV 7	7834	4646	34370	2.5	1.17	Si
-207	2X/2Y ø6/24.4	-1355	-9115	SLV 3	7640	3606	32883	2.5	5.64	6705	-12734	SLV 7	7854	4646	34390	2.5	1.17	Si
-236	2X/2Y ø6/24.4	-1355	-9262	SLV 3	7659	3606	32903	2.5	5.65	6705	-12881	SLV 7	7873	4646	34410	2.5	1.17	Si
-265	2X/2Y ø6/24.4	-1355	-9409	SLV 3	7679	3606	32923	2.5	5.67	6705	-13028	SLV 7	7893	4646	34431	2.5	1.18	Si
-295	2X/2Y ø6/24.4	-1355	-9555	SLV 3	7698	3606	32942	2.5	5.68	6705	-13174	SLV 7	7913	4646	34451	2.5	1.18	Si
-324	2X/2Y ø6/24.4	-1355	-9702	SLV 3	7717	3606	32962	2.5	5.69	6705	-13321	SLV 7	7932	4646	34471	2.5	1.18	Si
-353	2X/2Y ø6/24.4	-1355	-9848	SLV 3	7736	3606	32982	2.5	5.71	6705	-13468	SLV 7	7952	4646	34492	2.5	1.19	Si
-383	2X/2Y ø6/24.4	-1355	-9995	SLV 3	7755	3606	33002	2.5	5.72	6705	-13614	SLV 7	7972	4646	34512	2.5	1.19	Si
-412	2X/2Y ø6/24.4	-1355	-10142	SLV 3	7774	3606	33021	2.5	5.74	6705	-13761	SLV 7	7991	4646	34532	2.5	1.19	Si
-441	2X/2Y ø6/24.4	-1355	-10288	SLV 3	7793	3606	33041	2.5	5.75	6705	-13908	SLV 7	8011	4646	34553	2.5	1.19	Si
-471	2X/2Y ø6/24.4	-1355	-10435	SLV 3	7812	3606	33061	2.5	5.76	6705	-14054	SLV 7	8031	4646	34573	2.5	1.2	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-60	2X/2Y ø6/24.4	-549	-6975	SLD 3	7362	3606	32595	2.5	13.41	3808	-8246	SLD 7	7252	4646	33767	2.5	1.9	Si
-89	2X/2Y ø6/24.4	-549	-7119	SLD 3	7381	3606	32615	2.5	13.44	3808	-8390	SLD 7	7271	4646	33787	2.5	1.91	Si
-119	2X/2Y ø6/24.4	-549	-7266	SLD 3	7400	3606	32634	2.5	13.48	3808	-8537	SLD 7	7291	4646	33808	2.5	1.91	Si
-148	2X/2Y ø6/24.4	-549	-7412	SLD 3	7419	3606	32654	2.5	13.51	3808	-8683	SLD 7	7310	4646	33828	2.5	1.92	Si
-177	2X/2Y ø6/24.4	-549	-7559	SLD 3	7438	3606	32674	2.5	13.55	3808	-8830	SLD 7	7330	4646	33848	2.5	1.92	Si
-207	2X/2Y ø6/24.4	-549	-7706	SLD 3	7457	3606	32694	2.5	13.58	3808	-8977	SLD 7	7350	4646	33869	2.5	1.93	Si
-236	2X/2Y ø6/24.4	-549	-7852	SLD 3	7476	3606	32713	2.5	13.62	3808	-9123	SLD 7	7369	4646	33889	2.5	1.94	Si
-265	2X/2Y ø6/24.4	-549	-7999	SLD 3	7495	3606	32733	2.5	13.65	3808	-9270	SLD 7	7389	4646	33909	2.5	1.94	Si
-295	2X/2Y ø6/24.4	-549	-8146	SLD 3	7514	3606	32753	2.5	13.68	3808	-9417	SLD 7	7409	4646	33930	2.5	1.95	Si
-324	2X/2Y ø6/24.4	-549	-8292	SLD 3	7533	3606	32773	2.5	13.72	3808	-9563	SLD 7	7428	4646	33950	2.5	1.95	Si
-353	2X/2Y ø6/24.4	-549	-8439	SLD 3	7552	3606	32792	2.5	13.75	3808	-9710	SLD 7	7448	4646	33970	2.5	1.96	Si
-383	2X/2Y ø6/24.4	-549	-8586	SLD 3	7571	3606	32812	2.5	13.79	3808	-9857	SLD 7	7468	4646	33991	2.5	1.96	Si
-412	2X/2Y ø6/24.4	-549	-8732	SLD 3	7591	3606	32832	2.5	13.82	3808	-10003	SLD 7	7487	4646	34011	2.5	1.97	Si
-441	2X/2Y ø6/24.4	-549	-8879	SLD 3	7610	3606	32851	2.5	13.86	3808	-10150	SLD 7	7507	4646	34031	2.5	1.97	Si
-471	2X/2Y ø6/24.4	-549	-9026	SLD 3	7629	3606	32871	2.5	13.89	3808	-10297	SLD 7	7527	4646	34052	2.5	1.98	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
-60	1.285	1346	1.298	0.462	1.27	SLV 7	Si
-89	1.289	1357	1.303	0.464	1.274	SLV 7	Si
-119	1.297	1378	1.311	0.466	1.281	SLV 7	Si
-148	1.301	1389	1.315	0.467	1.285	SLV 7	Si
-177	1.305	1400	1.319	0.469	1.288	SLV 7	Si
-207	1.313	1423	1.328	0.471	1.296	SLV 7	Si
-236	1.316	1434	1.333	0.473	1.299	SLV 7	Si
-265	1.32	1445	1.337	0.474	1.303	SLV 7	Si
-295	1.328	1468	1.345	0.477	1.31	SLV 7	Si
-324	1.332	1480	1.35	0.478	1.314	SLV 7	Si
-353	1.336	1491	1.354	0.479	1.317	SLV 7	Si
-383	1.344	1515	1.363	0.482	1.325	SLV 7	Si
-412	1.348	1527	1.367	0.483	1.328	SLV 7	Si
-441	1.355	1550	1.376	0.486	1.335	SLV 7	Si
-471	1.359	1562	1.38	0.487	1.339	SLV 7	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
-60	3.66	1556	3.467	0.487	3.449	SLD 7	Si
-89	3.672	1569	3.479	0.488	3.459	SLD 7	Si
-119	3.684	1583	3.492	0.49	3.47	SLD 7	Si
-148	3.707	1610	3.516	0.493	3.49	SLD 7	Si
-177	3.719	1624	3.528	0.494	3.501	SLD 7	Si
-207	3.73	1636	3.539	0.495	3.511	SLD 7	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
-236	3.754	1664	3.564	0.498	3.532	SLD 7	Si
-265	3.766	1678	3.576	0.5	3.542	SLD 7	Si
-295	3.777	1692	3.588	0.501	3.553	SLD 7	Si
-324	3.789	1706	3.6	0.503	3.563	SLD 7	Si
-353	3.813	1735	3.625	0.506	3.584	SLD 7	Si
-383	3.824	1749	3.637	0.507	3.594	SLD 7	Si
-412	3.836	1763	3.649	0.509	3.604	SLD 7	Si
-441	3.859	1792	3.674	0.512	3.625	SLD 7	Si
-471	3.871	1807	3.686	0.513	3.636	SLD 7	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 25C

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	1.8	0	1,2	397149	-121302	-28620	1678428	-512647	SLU 30	4.226	Si
-470	18.1	1.8	0	1,2	363766	-118242	-28426	1651131	-536700	SLU 30	4.539	Si
-440	18.1	1.8	0	1,2	329816	-115130	-28229	1610595	-562214	SLU 30	4.883	Si
-410	18.1	0.9	0	2	295866	-112017	-28031	1550834	-587158	SLU 30	5.242	Si
-380	18.1	0.9	0	2	261916	-108905	-27834	1472249	-612161	SLU 30	5.621	Si
-350	18.1	0.9	0	2	227966	-105792	-27637	1371528	-636486	SLU 30	6.016	Si
-320	18.1	0.9	0	2	194017	-102680	-27439	1250280	-661690	SLU 30	6.444	Si
-290	18.1	0.9	0	2	160067	-99568	-27242	1105985	-687965	SLU 30	6.91	Si
-260	18.1	0.9	0	2	126117	-96455	-27044	935110	-715180	SLU 30	7.415	Si
-230	18.1	0.9	0	2	92167	-93343	-26847	728469	-737762	SLU 30	7.904	Si
-200	18.1	0.9	0	2	58765	-90281	-26653	488632	-750686	SLU 30	8.315	Si
-80	18.1	0.9	0	2	-77016	-77833	-25863	-654923	-661874	SLU 30	8.504	Si
-170	18.1	0.9	0	2	24268	-87118	-26452	207906	-746355	SLU 30	8.567	Si
-140	18.1	0.9	0	2	-9682	-84006	-26255	-83571	-725104	SLU 30	8.632	Si
-110	18.1	0.9	0	2	-43632	-80894	-26057	-379464	-703530	SLU 30	8.697	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	2,3	2143097	404872	-4339	711590	134433	SLV 5	0.332				No
20	18.1	1.8	0	2,3	1840145	348192	-4192	714846	135263	SLV 5	0.388				No
350	18.1	0.9	0	3	-1592862	-290880	-2522	-706059	-128937	SLV 5	0.443				No
50	18.1	1.8	0	2,3	1523936	288991	-4038	719679	136476	SLV 5	0.472				No
320	18.1	0.9	0	3	-1285888	-233226	-2671	-712365	-129204	SLV 5	0.554				No
80	18.1	0.9	0	3	1211760	230476	-3886	727049	138284	SLV 5	0.6				No
290	18.1	0.9	0	3	-874037	256327	3973	-635147	186268	SLV 9	0.727				No
110	18.1	0.9	0	3	802050	-225580	3062	642842	-180802	SLV 9	0.801				No
260	18.1	0.9	0	3	-594630	177966	3821	-616329	184461	SLV 9	1.036				Si
140	18.1	0.9	0	3	522641	-146481	3214	619208	-173545	SLV 9	1.185				Si
-80	18.1	0.9	0	2	396403	-363916	1054	606024	-556359	SLV 13	1.529				Si
-110	18.1	0.9	0	2	345111	-340187	905	589735	-581321	SLV 13	1.709				Si
230	18.1	0.9	0	3	-315145	86265	3670	-569065	155771	SLV 9	1.806				Si
-500	18.1	1.8	0	1,2	911487	-145141	-39486	1686336	-268525	SLV 3	1.85				Si
-140	18.1	0.9	0	2	292962	-316056	753	562080	-606389	SLV 13	1.919				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3	929223	248322	-7040	789147	210889	SLD 5	0.849	No
20	18.1	1.8	0	2,3	797881	215102	-6893	806138	217328	SLD 5	1.01	Si
350	18.1	0.9	0	3	-690462	-159917	-5223	-789608	-182880	SLD 5	1.144	Si
50	18.1	1.8	0	2,3	660792	180410	-6739	832440	227273	SLD 5	1.26	Si
320	18.1	0.9	0	3	-557376	-126157	-5372	-823750	-186448	SLD 5	1.478	Si
80	18.1	0.9	0	3	525452	146130	-6587	874802	243285	SLD 5	1.665	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
290	18.1	0.9	0	3	-377928	98870	-2517	-775081	202769	SLD 9	2.051	Si
110	18.1	0.9	0	3	346950	-64073	-3428	828790	-153056	SLD 9	2.389	Si
-500	18.1	1.8	0	1,2	564697	-112135	-28777	1755545	-348609	SLD 3	3.109	Si
260	18.1	0.9	0	3	-257090	72578	-2668	-835373	235832	SLD 9	3.249	Si
-470	18.1	1.8	0	1,2	506297	-98854	-28628	1783961	-348318	SLD 3	3.524	Si
-440	18.1	1.8	0	1,2	446911	-86150	-28476	1791767	-345396	SLD 3	4.009	Si
140	18.1	0.9	0	3	226111	-37455	-3276	917707	-152016	SLD 9	4.059	Si
-410	18.1	0.9	0	2	387533	-71588	-28324	1771661	-327276	SLD 3	4.572	Si
-380	18.1	0.9	0	2	328170	-57988	-28172	1698103	-300054	SLD 3	5.174	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.389	92	0.432	0.148	0.407	SLV 5	No
20	0.446	121	0.484	0.169	0.464	SLV 5	No
350	0.493	148	0.525	0.186	0.51	SLV 5	No
50	0.529	172	0.559	0.199	0.547	SLV 5	No
320	0.603	227	0.626	0.225	0.619	SLV 5	No
80	0.651	269	0.671	0.242	0.666	SLV 5	No
290	0.764	380	0.773	0.281	0.773	SLV 9	No
110	0.834	460	0.836	0.305	0.839	SLV 9	No
260	1.029	763	1.029	0.374	1.028	SLV 9	Si
140	1.145	990	1.145	0.414	1.139	SLV 9	Si
-80	1.301	1389	1.315	0.467	1.285	SLV 13	Si
-110	1.398	1685	1.424	0.501	1.375	SLV 13	Si
230	1.578	2329	1.626	0.561	1.542	SLV 9	Si
-500	1.391	1660	1.415	0.498	1.368	SLV 13	Si
-140	1.512	2076	1.551	0.539	1.481	SLV 13	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.878	65	0.943	0.124	0.881	SLD 5	No
20	1.008	84	1.048	0.142	1.004	SLD 5	Si
350	1.115	103	1.139	0.157	1.11	SLD 5	Si
50	1.197	119	1.208	0.168	1.188	SLD 5	Si
320	1.361	155	1.347	0.19	1.346	SLD 5	Si
80	1.473	183	1.442	0.205	1.452	SLD 5	Si
290	1.727	259	1.662	0.238	1.69	SLD 9	Si
110	1.883	313	1.796	0.259	1.834	SLD 9	Si
-500	3.145	1039	2.938	0.422	2.987	SLD 13	Si
260	2.327	498	2.173	0.316	2.237	SLD 9	Si
-470	3.341	1221	3.139	0.447	3.164	SLD 13	Si
-440	3.578	1464	3.381	0.476	3.375	SLD 13	Si
140	2.588	642	1.812	0.349	1.875	SLD 9	Si
-410	3.862	1796	3.677	0.512	3.628	SLD 13	Si
-380	4.203	2251	4.034	0.554	3.929	SLD 13	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-80	2X/2Y ø6/24.7	105	-25817	SLU 29	9784	4082	36130	2.5	92.92	-1132	-25863	SLU 30	9790	4082	36136	2.5	8.65	Si
-110	2X/2Y ø6/24.7	105	-26011	SLU 29	9810	4082	36157	2.5	93.17	-1132	-26057	SLU 30	9816	4082	36163	2.5	8.67	Si
-140	2X/2Y ø6/24.7	105	-26208	SLU 29	9836	4082	36184	2.5	93.42	-1132	-26255	SLU 30	9842	4082	36190	2.5	8.7	Si
-170	2X/2Y ø6/24.7	105	-26406	SLU 29	9862	4082	36211	2.5	93.66	-1132	-26452	SLU 30	9868	4082	36217	2.5	8.72	Si
-200	2X/2Y ø6/24.7	105	-26606	SLU 29	9889	4082	36238	2.5	93.92	-1132	-26653	SLU 30	9895	4082	36245	2.5	8.74	Si
-230	2X/2Y ø6/24.7	105	-26801	SLU 29	9914	4082	36265	2.5	94.16	-1132	-26847	SLU 30	9921	4082	36271	2.5	8.77	Si
-260	2X/2Y ø6/24.7	105	-26998	SLU 29	9941	4082	36292	2.5	94.41	-1132	-27044	SLU 30	9947	4082	36298	2.5	8.79	Si
-290	2X/2Y ø6/24.7	105	-27196	SLU 29	9967	4082	36319	2.5	94.66	-1132	-27242	SLU 30	9973	4082	36325	2.5	8.81	Si
-320	2X/2Y ø6/24.7	105	-27393	SLU 29	9993	4082	36346	2.5	94.91	-1132	-27439	SLU 30	9999	4082	36352	2.5	8.84	Si
-350	2X/2Y ø6/24.7	105	-27590	SLU 29	10019	4082	36373	2.5	95.15	-1132	-27637	SLU 30	10025	4082	36379	2.5	8.86	Si
-380	2X/2Y ø6/24.7	105	-27788	SLU 29	10045	4082	36400	2.5	95.4	-1132	-27834	SLU 30	10051	4082	36406	2.5	8.88	Si
-410	2X/2Y ø6/24.7	105	-27985	SLU 29	10071	4082	36427	2.5	95.65	-1132	-28031	SLU 30	10077	4082	36433	2.5	8.9	Si
-440	2X/2Y ø6/24.7	105	-28183	SLU 29	10097	4082	36454	2.5	95.9	-1132	-28229	SLU 30	10103	4082	36460	2.5	8.93	Si
-470	2X/2Y ø6/24.7	105	-28380	SLU 29	10123	4082	36481	2.5	96.15	-1132	-28426	SLU 30	10130	4082	36487	2.5	8.95	Si
-500	2X/2Y ø6/24.7	105	-28574	SLU 29	10149	4082	36508	2.5	96.39	-1132	-28620	SLU 30	10155	4082	36514	2.5	8.97	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	9484	10021	SLV 13	6368	4203	32596	2.5	0.67	-13156	-1262	SLV 5	6535	4203	32769	2.5	0.5	No
320	2X/2Y ø6/24	9484	9872	SLV 13	6368	4203	32596	2.5	0.67	-13156	-1411	SLV 5	6555	4203	32789	2.5	0.5	No
290	2X/2Y ø6/24	9484	9720	SLV 13	6368	4203	32596	2.5	0.67	-13156	-1563	SLV 5	6575	4203	32810	2.5	0.5	No
260	2X/2Y ø6/24	9484	9568	SLV 13	6368	4203	32596	2.5	0.67	-13156	-1715	SLV 5	6595	4203	32831	2.5	0.5	No
230	2X/2Y ø6/24	9484	9416	SLV 13	6368	4203	32596	2.5	0.67	-13156	-1867	SLV 5	6615	4203	32851	2.5	0.5	No
200	2X/2Y ø6/24	9484	9264	SLV 13	6368	4203	32596	2.5	0.67	-13156	-2019	SLV 5	6635	4203	32872	2.5	0.5	No
170	2X/2Y ø6/24	9484	9112	SLV 13	6368	4203	32596	2.5	0.67	-13156	-2171	SLV 5	6655	4203	32893	2.5	0.51	No
140	2X/2Y ø6/24	9484	8961	SLV 13	6368	4203	32596	2.5	0.67	-13156	-2323	SLV 5	6675	4203	32914	2.5	0.51	No
110	2X/2Y ø6/24	9484	8809	SLV 13	6368	4203	32596	2.5	0.67	-13156	-2474	SLV 5	6695	4203	32935	2.5	0.51	No
80	2X/2Y ø6/24	9484	8657	SLV 13	6368	4203	32596	2.5	0.67	-13156	-2626	SLV 5	6715	4203	32955	2.5	0.51	No
50	2X/2Y ø6/24	9484	8505	SLV 13	6368	4203	32596	2.5	0.67	-13156	-2778	SLV 5	6735	4203	32976	2.5	0.51	No
20	2X/2Y ø6/24	9484	8351	SLV 13	6368	4203	32596	2.5	0.67	-13156	-2932	SLV 5	6756	4203	32997	2.5	0.51	No
-10	2X/2Y ø6/24	9484	8204	SLV 13	6368	4203	32596	2.5	0.67	-13156	-3079	SLV 5	6775	4203	33017	2.5	0.52	No
-80	2X/2Y ø6/24.7	-1041	5507	SLV 9	6368	4082	32596	2.5	6.12	2410	6049	SLV 13	6368	4082	32596	2.5	2.64	Si
-110	2X/2Y ø6/24.7	-1041	5358	SLV 9	6368	4082	32596	2.5	6.12	2410	5900	SLV 13	6368	4082	32596	2.5	2.64	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-4008	-13474	SLD 3	8151	4203	34441	2.5	2.03	-4512	-5223	SLD 5	7059	4203	33311	2.5	1.56	Si
320	2X/2Y ø6/24	-4008	-13624	SLD 3	8171	4203	34461	2.5	2.04	-4512	-5372	SLD 5	7079	4203	33331	2.5	1.57	Si
290	2X/2Y ø6/24	-4008	-13776	SLD 3	8191	4203	34482	2.5	2.04	-4512	-5524	SLD 5	7099	4203	33352	2.5	1.57	Si
260	2X/2Y ø6/24	-4008	-13927	SLD 3	8211	4203	34503	2.5	2.05	-4512	-5676	SLD 5	7119	4203	33373	2.5	1.58	Si
230	2X/2Y ø6/24	-4008	-14079	SLD 3	8231	4203	34523	2.5	2.05	-4512	-5828	SLD 5	7139	4203	33394	2.5	1.58	Si
200	2X/2Y ø6/24	-4008	-14231	SLD 3	8251	4203	34544	2.5	2.06	-4512	-5980	SLD 5	7159	4203	33415	2.5	1.59	Si
170	2X/2Y ø6/24	-4008	-14383	SLD 3	8271	4203	34565	2.5	2.06	-4512	-6132	SLD 5	7179	4203	33435	2.5	1.59	Si
140	2X/2Y ø6/24	-4008	-14535	SLD 3	8291	4203	34586	2.5	2.07	-4512	-6284	SLD 5	7199	4203	33456	2.5	1.6	Si
110	2X/2Y ø6/24	-4008	-14687	SLD 3	8311	4203	34606	2.5	2.07	-4512	-6435	SLD 5	7219	4203	33477	2.5	1.6	Si
80	2X/2Y ø6/24	-4008	-14839	SLD 3	8331	4203	34627	2.5	2.08	-4512	-6587	SLD 5	7240	4203	33498	2.5	1.6	Si
50	2X/2Y ø6/24	-4008	-14991	SLD 3	8352	4203	34648	2.5	2.08	-4512	-6739	SLD 5	7260	4203	33518	2.5	1.61	Si
20	2X/2Y ø6/24	-4008	-15144	SLD 3	8372	4203	34669	2.5	2.09	-4512	-6893	SLD 5	7280	4203	33540	2.5	1.61	Si
-10	2X/2Y ø6/24	-4008	-15292	SLD 3	8391	4203	34689	2.5	2.09	-4512	-7040	SLD 5	7299	4203	33560	2.5	1.62	Si
-80	2X/2Y ø6/24.7	456	-26466	SLD 7	9870	4082	36219	2.5	21.66	-1980	-26656	SLD 3	9895	4082	36245	2.5	5	Si
-110	2X/2Y ø6/24.7	456	-26615	SLD 7	9890	4082	36239	2.5	21.71	-1980	-26805	SLD 3	9915	4082	36265	2.5	5.01	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.531	173	0.56	0.2	0.548	SLV 5	No
320	0.533	175	0.563	0.201	0.551	SLV 5	No
290	0.534	175	0.563	0.201	0.551	SLV 5	No
260	0.536	177	0.565	0.202	0.554	SLV 5	No
230	0.537	177	0.565	0.202	0.554	SLV 5	No
200	0.539	179	0.568	0.203	0.557	SLV 5	No
170	0.54	179	0.568	0.203	0.557	SLV 5	No
140	0.541	180	0.569	0.203	0.558	SLV 5	No
110	0.543	181	0.57	0.204	0.56	SLV 5	No
80	0.544	182	0.572	0.204	0.561	SLV 5	No
50	0.546	183	0.573	0.205	0.563	SLV 5	No
20	0.547	184	0.574	0.205	0.564	SLV 5	No
-10	0.549	185	0.575	0.206	0.565	SLV 5	No
-80	2.219	2474	1.666	0.573	1.575	SLV 13	Si
-110	2.219	2474	1.666	0.573	1.575	SLV 13	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.514	193	1.473	0.21	1.488	SLD 5	Si
320	1.518	194	1.476	0.211	1.492	SLD 5	Si
290	1.521	195	1.48	0.211	1.496	SLD 5	Si
260	1.525	196	1.483	0.212	1.5	SLD 5	Si
230	1.529	197	1.486	0.212	1.504	SLD 5	Si
200	1.533	199	1.492	0.213	1.508	SLD 5	Si
170	1.537	200	1.495	0.213	1.512	SLD 5	Si
140	1.543	202	1.501	0.214	1.519	SLD 5	Si
110	1.547	203	1.504	0.215	1.523	SLD 5	Si
80	1.551	204	1.507	0.215	1.527	SLD 5	Si
50	1.555	204	1.507	0.215	1.527	SLD 5	Si
20	1.559	206	1.513	0.216	1.531	SLD 5	Si
-10	1.563	207	1.516	0.217	1.535	SLD 5	Si
-80	6.318	2474	4.193	0.603	4.276	SLD 13	Si
-110	6.318	2474	4.193	0.603	4.276	SLD 13	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 25C

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-60	R 40x50	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-14.7	-19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	14.7	-19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	14.7	19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	-14.7	19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.2	-14.7	-19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	14.7	-19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	14.7	19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	-14.7	19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	1.8	0	1,2	-76966	589265	-11934	-113018	865281	SLU 29	1.468	Si
-471	18.1	1.8	0	1,2	-85725	520079	-11746	-149673	908038	SLU 29	1.746	Si
-60	18.1	0.9	0	2	-210331	-464128	-9080	-380683	-840036	SLU 29	1.81	Si
-441	18.1	1.8	0	1,2	-94637	449693	-11555	-204328	970923	SLU 29	2.159	Si
-89	18.1	0.9	0	2	-201572	-394941	-9267	-454657	-890813	SLU 29	2.256	Si
-412	18.1	0.9	0	2	-103548	379306	-11365	-287720	1053948	SLU 29	2.779	Si
-119	18.1	0.9	0	2	-192660	-324555	-9458	-566683	-954633	SLU 29	2.941	Si
-383	18.1	0.9	0	2	-112459	308920	-11174	-417914	1147990	SLU 29	3.716	Si
-148	18.1	0.9	0	2	-190282	-253757	-9826	-760176	-1013762	SLU 30	3.995	Si
-353	18.1	0.9	0	2	-121370	238534	-10983	-622349	1223127	SLU 29	5.128	Si
-177	18.1	0.9	0	2	-192187	-176583	-10259	-1041352	-956799	SLU 36	5.418	Si
-324	18.1	0.9	0	2	-132731	167686	-10970	-909605	1149148	SLU 30	6.853	Si
-207	18.1	0.9	0	2	-180885	-109278	-10450	-1364384	-824268	SLU 36	7.543	Si
-295	18.1	0.9	0	2	-142323	97445	-10780	-1339062	916824	SLU 30	9.409	Si
-236	18.1	0.9	0	2	-169582	-41974	-10640	-1861338	-460704	SLU 36	10.976	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-500	18.1	1.8	0	1,2	-333489	927910	-10881	-261767	728349	SLV 3	0.785				No
-471	18.1	1.8	0	1,2	-309826	819338	-10737	-282425	746875	SLV 3	0.912				No
-60	18.1	0.9	0	2	26875	-725139	-8686	27382	-738805	SLV 3	1.019				Si
-441	18.1	1.8	0	1,2	-285754	708884	-10590	-311683	773210	SLV 3	1.091				Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-89	18.1	0.9	0	2	3217	-616568	-8830	4028	-772070	SLV 3	1.252				Si
-412	18.1	0.9	0	2	-261682	598430	-10443	-354052	809668	SLV 3	1.353				Si
-119	18.1	0.9	0	2	-20849	-506114	-8977	-33940	-823897	SLV 3	1.628				Si
-383	18.1	0.9	0	2	-237612	487976	-10297	-418592	859649	SLV 3	1.762				Si
-148	18.1	0.9	0	2	-44908	-395660	-9123	-104295	-918892	SLV 3	2.322				Si
-353	18.1	0.9	0	2	-301253	344082	-8478	-721706	824312	SLV 7	2.396				Si
-324	18.1	0.9	0	2	-252243	244362	-8331	-892382	864499	SLV 7	3.538				Si
-177	18.1	0.9	0	2	-68945	-285206	-9270	-269433	-1114562	SLV 3	3.908				Si
-295	18.1	0.9	0	2	-203238	144642	-8185	-1151355	819404	SLV 7	5.665				Si
-207	18.1	0.9	0	2	-92834	-174753	-9417	-676929	-1274267	SLV 3	7.292				Si
-265	18.1	0.9	0	2	-154341	45115	-8038	-1775896	519101	SLV 7	11.506				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	1.8	0	1,2	-177041	642062	-9818	-215370	781066	SLD 3	1.216	Si
-471	18.1	1.8	0	1,2	-170599	566788	-9674	-243349	808487	SLD 3	1.426	Si
-60	18.1	0.9	0	2	-78919	-504019	-7623	-122266	-780853	SLD 3	1.549	Si
-441	18.1	1.8	0	1,2	-164046	490208	-9527	-283452	847023	SLD 3	1.728	Si
-89	18.1	0.9	0	2	-85360	-428745	-7767	-164712	-827318	SLD 3	1.93	Si
-412	18.1	0.9	0	2	-157493	413629	-9380	-341639	897260	SLD 3	2.169	Si
-119	18.1	0.9	0	2	-91910	-352166	-7914	-235722	-903201	SLD 3	2.565	Si
-383	18.1	0.9	0	2	-150941	337050	-9234	-432186	965069	SLD 3	2.863	Si
-148	18.1	0.9	0	2	-98457	-275587	-8060	-364539	-1020361	SLD 3	3.703	Si
-353	18.1	0.9	0	2	-183204	245673	-8347	-718896	964023	SLD 7	3.924	Si
-324	18.1	0.9	0	2	-165615	173843	-8201	-934559	980990	SLD 7	5.643	Si
-177	18.1	0.9	0	2	-104996	-199007	-8207	-606506	-1149566	SLD 3	5.776	Si
-295	18.1	0.9	0	2	-148028	102014	-8054	-1256139	865673	SLD 7	8.486	Si
-207	18.1	0.9	0	2	-111468	-122429	-8354	-990967	-1088411	SLD 3	8.89	Si
-236	18.1	0.9	0	2	-118203	-45850	-8500	-1675817	-650038	SLD 3	14.177	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-500	0.662	278	0.68	0.246	0.676	SLV 3	No
-471	0.863	499	0.864	0.316	0.868	SLV 3	No
-60	1.031	767	1.031	0.375	1.03	SLV 3	Si
-441	1.137	973	1.137	0.412	1.131	SLV 3	Si
-89	1.391	1660	1.415	0.498	1.368	SLV 3	Si
-412	1.512	2076	1.551	0.539	1.481	SLV 3	Si
-119	1.941	2474	1.666	0.573	1.575	SLV 3	Si
-383	2.072	2474	1.666	0.573	1.575	SLV 3	Si
-148	2.846	2474	1.666	0.573	1.575	SLV 3	Si
-353	2.898	2474	1.666	0.573	1.575	SLV 7	Si
-324	4.274	2474	1.666	0.573	1.575	SLV 7	Si
-177	4.527	2474	1.666	0.573	1.575	SLV 13	Si
-295	6.681	2474	1.666	0.573	1.575	SLV 13	Si
-207	6.414	2474	1.666	0.573	1.575	SLV 13	Si
-265	12.66	2474	1.666	0.573	1.575	SLV 13	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-500	1.496	188	1.458	0.208	1.472	SLD 3	Si
-471	1.953	339	1.856	0.268	1.897	SLD 3	Si
-60	2.324	496	2.17	0.315	2.233	SLD 3	Si
-441	2.57	632	2.396	0.347	1.86	SLD 3	Si
-89	3.145	1039	2.938	0.422	2.987	SLD 3	Si
-412	3.414	1293	3.214	0.456	3.229	SLD 3	Si
-119	4.384	2474	4.193	0.577	4.089	SLD 3	Si
-383	4.678	2474	4.193	0.603	4.276	SLD 3	Si
-148	6.428	2474	4.193	0.603	4.276	SLD 3	Si
-353	6.551	2474	4.193	0.603	4.276	SLD 7	Si
-324	9.657	2474	4.193	0.603	4.276	SLD 7	Si
-177	10.229	2474	4.193	0.603	4.276	SLD 13	Si
-295	15.092	2474	4.193	0.603	4.276	SLD 13	Si
-207	14.477	2474	4.193	0.603	4.276	SLD 13	Si
-236	27.035	2474	4.193	0.603	4.276	SLD 13	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-60	2X/2Y ø6/24.4	-2400	-9080	SLU 29	7636	3606	32879	2.5	3.18	-427	-9302	SLU 35	7393	4646	33914	2.5	17.32	Si
-89	2X/2Y ø6/24.4	-2400	-9267	SLU 29	7660	3606	32904	2.5	3.19	-427	-9489	SLU 35	7418	4646	33940	2.5	17.38	Si
-119	2X/2Y ø6/24.4	-2400	-9458	SLU 29	7685	3606	32929	2.5	3.2	-427	-9680	SLU 35	7444	4646	33966	2.5	17.44	Si
-148	2X/2Y ø6/24.4	-2400	-9649	SLU 29	7710	3606	32955	2.5	3.21	-427	-9870	SLU 35	7470	4646	33993	2.5	17.5	Si
-177	2X/2Y ø6/24.4	-2400	-9839	SLU 29	7735	3606	32981	2.5	3.22	-427	-10061	SLU 35	7495	4646	34019	2.5	17.56	Si
-207	2X/2Y ø6/24.4	-2400	-10030	SLU 29	7759	3606	33006	2.5	3.23	-427	-10252	SLU 35	7521	4646	34045	2.5	17.62	Si
-236	2X/2Y ø6/24.4	-2400	-10221	SLU 29	7784	3606	33032	2.5	3.24	-427	-10442	SLU 35	7546	4646	34072	2.5	17.68	Si
-265	2X/2Y ø6/24.4	-2400	-10412	SLU 29	7809	3606	33058	2.5	3.25	-427	-10633	SLU 35	7572	4646	34098	2.5	17.74	Si
-295	2X/2Y ø6/24.4	-2400	-10602	SLU 29	7834	3606	33083	2.5	3.26	-427	-10824	SLU 35	7597	4646	34125	2.5	17.8	Si
-324	2X/2Y ø6/24.4	-2400	-10793	SLU 29	7859	3606	33109	2.5	3.28	-427	-11014	SLU 35	7623	4646	34151	2.5	17.86	Si
-353	2X/2Y ø6/24.4	-2400	-10983	SLU 29	7883	3606	33135	2.5	3.29	-427	-11205	SLU 35	7649	4646	34178	2.5	17.92	Si
-383	2X/2Y ø6/24.4	-2400	-11174	SLU 29	7908	3606	33160	2.5	3.3	-427	-11396	SLU 35	7674	4646	34204	2.5	17.98	Si
-412	2X/2Y ø6/24.4	-2400	-11365	SLU 29	7933	3606	33186	2.5	3.31	-427	-11586	SLU 35	7700	4646	34231	2.5	18.04	Si
-441	2X/2Y ø6/24.4	-2400	-11555	SLU 29	7958	3606	33212	2.5	3.32	-427	-11777	SLU 35	7725	4646	34257	2.5	18.1	Si
-471	2X/2Y ø6/24.4	-2400	-11746	SLU 29	7983	3606	33237	2.5	3.33	-427	-11968	SLU 35	7751	4646	34284	2.5	18.16	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-60	2X/2Y ø6/24.4	-4304	-9181	SLV 3	7649	3606	32892	2.5	1.78	-2672	-6484	SLV 9	7015	4646	33523	2.5	2.63	Si
-89	2X/2Y ø6/24.4	-4304	-9326	SLV 3	7668	3606	32912	2.5	1.78	-2672	-6628	SLV 9	7035	4646	33543	2.5	2.63	Si
-119	2X/2Y ø6/24.4	-4304	-9472	SLV 3	7687	3606	32931	2.5	1.79	-2672	-6774	SLV 9	7054	4646	33563	2.5	2.64	Si
-148	2X/2Y ø6/24.4	-4304	-9619	SLV 3	7706	3606	32951	2.5	1.79	-2672	-6921	SLV 9	7074	4646	33583	2.5	2.65	Si
-177	2X/2Y ø6/24.4	-4304	-9766	SLV 3	7725	3606	32971	2.5	1.79	-2672	-7068	SLV 9	7094	4646	33604	2.5	2.66	Si
-207	2X/2Y ø6/24.4	-4304	-9912	SLV 3	7744	3606	32991	2.5	1.8	-2672	-7214	SLV 9	7113	4646	33624	2.5	2.66	Si
-236	2X/2Y ø6/24.4	-4304	-10059	SLV 3	7763	3606	33010	2.5	1.8	-2672	-7361	SLV 9	7133	4646	33644	2.5	2.67	Si
-265	2X/2Y ø6/24.4	-4304	-10206	SLV 3	7782	3606	33030	2.5	1.81	-2672	-7508	SLV 9	7153	4646	33665	2.5	2.68	Si
-295	2X/2Y ø6/24.4	-4304	-10352	SLV 3	7801	3606	33050	2.5	1.81	-2672	-7654	SLV 9	7172	4646	33685	2.5	2.68	Si
-324	2X/2Y ø6/24.4	-4304	-10499	SLV 3	7820	3606	33070	2.5	1.82	-2672	-7801	SLV 9	7192	4646	33705	2.5	2.69	Si
-353	2X/2Y ø6/24.4	-4304	-10646	SLV 3	7839	3606	33089	2.5	1.82	-2672	-7948	SLV 9	7212	4646	33726	2.5	2.7	Si
-383	2X/2Y ø6/24.4	-4304	-10792	SLV 3	7859	3606	33109	2.5	1.83	-2672	-8094	SLV 9	7231	4646	33746	2.5	2.71	Si
-412	2X/2Y ø6/24.4	-4304	-10939	SLV 3	7878	3606	33129	2.5	1.83	-2672	-8241	SLV 9	7251	4646	33767	2.5	2.71	Si
-441	2X/2Y ø6/24.4	-4304	-11086	SLV 3	7897	3606	33149	2.5	1.83	-2672	-8388	SLV 9	7271	4646	33787	2.5	2.72	Si

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-471	2X/2Y ø6/24.4	-4304	-11232	SLV 3	7916	3606	33168	2.5	1.84	-2672	-8534	SLV 9	7290	4646	33807	2.5	2.73	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-60	2X/2Y ø6/24.4	-2611	-7623	SLD 3	7446	3606	32682	2.5	2.85	-1101	-6675	SLD 9	7041	4646	33549	2.5	6.4	Si
-89	2X/2Y ø6/24.4	-2611	-7767	SLD 3	7465	3606	32702	2.5	2.86	-1101	-6820	SLD 9	7060	4646	33569	2.5	6.41	Si
-119	2X/2Y ø6/24.4	-2611	-7914	SLD 3	7484	3606	32722	2.5	2.87	-1101	-6966	SLD 9	7080	4646	33590	2.5	6.43	Si
-148	2X/2Y ø6/24.4	-2611	-8060	SLD 3	7503	3606	32741	2.5	2.87	-1101	-7113	SLD 9	7100	4646	33610	2.5	6.45	Si
-177	2X/2Y ø6/24.4	-2611	-8207	SLD 3	7522	3606	32761	2.5	2.88	-1101	-7260	SLD 9	7119	4646	33630	2.5	6.47	Si
-207	2X/2Y ø6/24.4	-2611	-8354	SLD 3	7541	3606	32781	2.5	2.89	-1101	-7406	SLD 9	7139	4646	33651	2.5	6.48	Si
-236	2X/2Y ø6/24.4	-2611	-8500	SLD 3	7560	3606	32801	2.5	2.9	-1101	-7553	SLD 9	7159	4646	33671	2.5	6.5	Si
-265	2X/2Y ø6/24.4	-2611	-8647	SLD 3	7579	3606	32820	2.5	2.9	-1101	-7700	SLD 9	7179	4646	33691	2.5	6.52	Si
-295	2X/2Y ø6/24.4	-2611	-8794	SLD 3	7599	3606	32840	2.5	2.91	-1101	-7846	SLD 9	7198	4646	33712	2.5	6.54	Si
-324	2X/2Y ø6/24.4	-2611	-8940	SLD 3	7618	3606	32860	2.5	2.92	-1101	-7993	SLD 9	7218	4646	33732	2.5	6.56	Si
-353	2X/2Y ø6/24.4	-2611	-9087	SLD 3	7637	3606	32880	2.5	2.93	-1101	-8140	SLD 9	7237	4646	33752	2.5	6.57	Si
-383	2X/2Y ø6/24.4	-2611	-9234	SLD 3	7656	3606	32899	2.5	2.93	-1101	-8286	SLD 9	7257	4646	33773	2.5	6.59	Si
-412	2X/2Y ø6/24.4	-2611	-9380	SLD 3	7675	3606	32919	2.5	2.94	-1101	-8433	SLD 9	7277	4646	33793	2.5	6.61	Si
-441	2X/2Y ø6/24.4	-2611	-9527	SLD 3	7694	3606	32939	2.5	2.95	-1101	-8580	SLD 9	7296	4646	33813	2.5	6.63	Si
-471	2X/2Y ø6/24.4	-2611	-9674	SLD 3	7713	3606	32958	2.5	2.95	-1101	-8726	SLD 9	7316	4646	33834	2.5	6.65	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
-60	1.853	2474	1.666	0.573	1.575	SLV 3	Si
-89	1.865	2474	1.666	0.573	1.575	SLV 3	Si
-119	1.871	2474	1.666	0.573	1.575	SLV 3	Si
-148	1.882	2474	1.666	0.573	1.575	SLV 3	Si
-177	1.888	2474	1.666	0.573	1.575	SLV 3	Si
-207	2.5	2474	1.666	0.573	1.575	SLV 3	Si
-236	2.506	2474	1.666	0.573	1.575	SLV 3	Si
-265	2.512	2474	1.666	0.573	1.575	SLV 3	Si
-295	2.523	2474	1.666	0.573	1.575	SLV 3	Si
-324	2.529	2474	1.666	0.573	1.575	SLV 3	Si
-353	2.535	2474	1.666	0.573	1.575	SLV 3	Si
-383	2.547	2474	1.666	0.573	1.575	SLV 3	Si
-412	2.559	2474	1.666	0.573	1.575	SLV 3	Si
-441	2.564	2474	1.666	0.573	1.575	SLV 3	Si
-471	2.57	2474	1.666	0.573	1.575	SLV 3	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
-60	6.988	2474	4.193	0.603	4.276	SLD 3	Si
-89	7.016	2474	4.193	0.603	4.276	SLD 3	Si
-119	7.043	2474	4.193	0.603	4.276	SLD 3	Si
-148	7.07	2474	4.193	0.603	4.276	SLD 3	Si
-177	7.084	2474	4.193	0.603	4.276	SLD 3	Si
-207	7.111	2474	4.193	0.603	4.276	SLD 3	Si
-236	7.125	2474	4.193	0.603	4.276	SLD 3	Si
-265	7.152	2474	4.193	0.603	4.276	SLD 3	Si
-295	7.18	2474	4.193	0.603	4.276	SLD 3	Si
-324	7.207	2474	4.193	0.603	4.276	SLD 3	Si
-353	7.234	2474	4.193	0.603	4.276	SLD 3	Si
-383	7.262	2474	4.193	0.603	4.276	SLD 3	Si
-412	7.275	2474	4.193	0.603	4.276	SLD 3	Si
-441	7.289	2474	4.193	0.603	4.276	SLD 3	Si
-471	7.316	2474	4.193	0.603	4.276	SLD 3	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 25D

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-80	18.1	0.9	0	2	215712	152373	8329	395725	279528	SLU 30	1.835	Si
-110	18.1	0.9	0	2	192857	141982	8134	380237	279932	SLU 30	1.972	Si
-140	18.1	0.9	0	2	169615	131415	7937	361696	280237	SLU 30	2.132	Si
-170	18.1	0.9	0	2	146373	120849	7740	339805	280551	SLU 30	2.321	Si
-200	18.1	0.9	0	2	122756	110112	7539	312656	280452	SLU 30	2.547	Si
-10	18.1	1.8	0	2,3	-389818	-305597	-12527	-1018991	-798835	SLU 29	2.614	Si
-230	18.1	0.9	0	2	99889	99716	7345	279001	278518	SLU 30	2.793	Si
-260	18.1	0.9	0	2	76546	89438	7140	232212	271322	SLU 29	3.034	Si
20	18.1	1.8	0	2,3	-334672	-275118	-12336	-1036505	-852060	SLU 29	3.097	Si
-290	18.1	0.9	0	2	53330	78835	6943	175317	259159	SLU 29	3.287	Si
-500	18.1	1.8	0	1,2	-108903	4792	5571	-362254	15941	SLU 30	3.326	Si
-320	18.1	0.9	0	2	30115	68231	6746	107785	244207	SLU 29	3.579	Si
-470	18.1	1.8	0	1,2	-86048	15183	5765	-312500	55139	SLU 30	3.632	Si
50	18.1	1.8	0	2,3	-277113	-243305	-12136	-1045759	-918173	SLU 29	3.774	Si
-350	18.1	0.9	0	2	6899	57628	6548	26882	224535	SLU 29	3.896	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	2,3	2655941	-496404	11928	636777	-119016	SLV 9	0.24				No
20	18.1	1.8	0	2,3	2276513	-434818	12076	628453	-120036	SLV 9	0.276				No
350	18.1	0.9	0	3	-2023989	262264	13746	-614444	79618	SLV 9	0.304				No
50	18.1	1.8	0	2,3	1880498	-370525	12230	616572	-121486	SLV 9	0.328				No
320	18.1	0.9	0	3	-1639547	199828	13597	-600360	73172	SLV 9	0.366				No
80	18.1	0.9	0	3	1489560	-307029	12382	599349	-123538	SLV 9	0.402				No
290	18.1	0.9	0	3	-1248635	136292	13445	-578419	63136	SLV 9	0.463				No
110	18.1	0.9	0	3	1098693	-243491	12533	571671	-126693	SLV 9	0.52				No
260	18.1	0.9	0	3	-857828	72652	13293	-540792	45801	SLV 9	0.63				No
140	18.1	0.9	0	3	708015	-179844	12685	520833	-132298	SLV 9	0.736				No
-80	18.1	0.9	0	2	316749	-121155	28616	259444	-99236	SLV 5	0.819				No
-110	18.1	0.9	0	2	278980	-112089	28467	239759	-96330	SLV 5	0.859				No
-140	18.1	0.9	0	2	240585	-102868	28315	217517	-93005	SLV 5	0.904				No
-170	18.1	0.9	0	2	168554	-217348	26923	159664	-205884	SLV 9	0.947				No
-200	18.1	0.9	0	2	133266	-197430	26768	131221	-194400	SLV 9	0.985				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3	-1562854	-80020	-17947	-860745	-44071	SLD 7	0.551	No
20	18.1	1.8	0	2,3	-1340097	-77816	-17799	-895715	-52012	SLD 7	0.668	No
350	18.1	0.9	0	3	1184505	-52497	-16129	902958	-40019	SLD 7	0.762	No
50	18.1	1.8	0	2,3	-1107600	-75520	-17645	-952647	-64955	SLD 7	0.86	No
320	18.1	0.9	0	3	958800	-54717	-16279	977609	-55790	SLD 7	1.02	Si
80	18.1	0.9	0	3	574563	-216686	836	667522	-251744	SLD 9	1.162	Si
290	18.1	0.9	0	3	-484246	61617	1899	-643322	81859	SLD 9	1.329	Si
-80	18.1	0.9	0	2	221808	3201	16050	300947	4344	SLD 5	1.357	Si
-110	18.1	0.9	0	2	196621	3349	15900	281328	4792	SLD 5	1.431	Si
-140	18.1	0.9	0	2	171014	3499	15748	259064	5300	SLD 5	1.515	Si
110	18.1	0.9	0	3	423439	-176838	988	657221	-274471	SLD 9	1.552	Si
-170	18.1	0.9	0	2	145415	3649	15597	234041	5873	SLD 5	1.609	Si
-200	18.1	0.9	0	2	119417	3801	15442	205205	6532	SLD 5	1.718	Si
-500	18.1	1.8	0	1,2	-131280	5318	13929	-235700	9549	SLD 5	1.795	Si
-230	18.1	0.9	0	2	94268	3949	15293	173332	7261	SLD 5	1.839	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.223	31	0.277	0.084	0.231	SLV 7	No
20	0.283	50	0.337	0.108	0.298	SLV 7	No
350	0.327	65	0.375	0.124	0.341	SLV 7	No
50	0.377	86	0.42	0.143	0.393	SLV 7	No
320	0.45	123	0.487	0.17	0.468	SLV 9	No
80	0.49	146	0.522	0.185	0.507	SLV 9	No
290	0.541	180	0.569	0.203	0.558	SLV 9	No
110	0.598	223	0.621	0.224	0.614	SLV 9	No
260	0.691	305	0.706	0.256	0.704	SLV 9	No
140	0.785	404	0.793	0.289	0.794	SLV 9	No
-80	0.746	361	0.757	0.275	0.756	SLV 5	No
-110	0.805	426	0.81	0.295	0.812	SLV 5	No
-140	0.869	507	0.87	0.318	0.873	SLV 5	No
-170	0.938	609	0.938	0.342	0.94	SLV 5	No
-200	0.984	685	0.984	0.358	0.985	SLV 9	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.503	20	0.582	0.068	0.485	SLD 7	No
20	0.639	34	0.723	0.089	0.628	SLD 7	No
350	0.74	46	0.818	0.104	0.737	SLD 7	No
50	0.852	60	0.913	0.12	0.849	SLD 7	No
320	1.017	85	1.053	0.143	1.01	SLD 9	Si
80	1.107	102	1.134	0.156	1.104	SLD 9	Si
290	1.222	124	1.229	0.171	1.214	SLD 9	Si
-80	1.684	244	1.622	0.233	1.648	SLD 5	Si
-110	1.816	289	1.739	0.25	1.772	SLD 5	Si
-140	1.965	343	1.865	0.269	1.908	SLD 5	Si
110	1.352	153	1.34	0.189	1.337	SLD 9	Si
-170	2.119	404	1.995	0.289	2.047	SLD 5	Si
-200	2.225	449	2.083	0.302	2.143	SLD 9	Si
-500	2.248	460	2.104	0.306	2.166	SLD 5	Si
-230	2.313	489	2.157	0.314	2.222	SLD 9	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	1047	-10165	SLU 29	7713	4203	33987	2.5	7.37	1896	-10192	SLU 30	7717	4203	33991	2.5	4.07	Si
320	2X/2Y ø6/24	1047	-10359	SLU 29	7739	4203	34014	2.5	7.39	1896	-10386	SLU 30	7742	4203	34018	2.5	4.08	Si
290	2X/2Y ø6/24	1047	-10556	SLU 29	7765	4203	34041	2.5	7.42	1896	-10584	SLU 30	7768	4203	34045	2.5	4.1	Si
260	2X/2Y ø6/24	1047	-10754	SLU 29	7791	4203	34068	2.5	7.44	1896	-10781	SLU 30	7794	4203	34072	2.5	4.11	Si

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
230	2X/2Y ø6/24	1047	-10951	SLU 29	7817	4203	34095	2.5	7.47	1896	-10978	SLU 30	7821	4203	34099	2.5	4.12	Si
200	2X/2Y ø6/24	1047	-11149	SLU 29	7843	4203	34122	2.5	7.49	1896	-11176	SLU 30	7847	4203	34126	2.5	4.14	Si
170	2X/2Y ø6/24	1047	-11346	SLU 29	7869	4203	34149	2.5	7.52	1896	-11373	SLU 30	7873	4203	34153	2.5	4.15	Si
140	2X/2Y ø6/24	1047	-11544	SLU 29	7895	4203	34176	2.5	7.54	1896	-11571	SLU 30	7899	4203	34180	2.5	4.17	Si
110	2X/2Y ø6/24	1047	-11741	SLU 29	7922	4203	34203	2.5	7.57	1896	-11768	SLU 30	7925	4203	34207	2.5	4.18	Si
80	2X/2Y ø6/24	1047	-11938	SLU 29	7948	4203	34230	2.5	7.59	1896	-11966	SLU 30	7951	4203	34234	2.5	4.19	Si
50	2X/2Y ø6/24	1047	-12136	SLU 29	7974	4203	34257	2.5	7.62	1896	-12163	SLU 30	7977	4203	34261	2.5	4.21	Si
20	2X/2Y ø6/24	1047	-12336	SLU 29	8000	4203	34285	2.5	7.64	1896	-12363	SLU 30	8004	4203	34288	2.5	4.22	Si
-10	2X/2Y ø6/24	1047	-12527	SLU 29	8026	4203	34311	2.5	7.67	1896	-12555	SLU 30	8029	4203	34315	2.5	4.23	Si
-500	2X/2Y ø6/24.7	353	5564	SLU 29	6368	4082	32596	2.5	18.02	775	5571	SLU 30	6368	4082	32596	2.5	8.22	Si
-410	2X/2Y ø6/24.7	353	6153	SLU 29	6368	4082	32596	2.5	18.02	775	6160	SLU 30	6368	4082	32596	2.5	8.22	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	9769	4694	SLV 13	6368	4203	32596	2.5	0.65	-16763	19131	SLV 9	6368	4203	32596	2.5	0.38	No
290	2X/2Y ø6/24	9769	4393	SLV 13	6368	4203	32596	2.5	0.65	-16763	18829	SLV 9	6368	4203	32596	2.5	0.38	No
260	2X/2Y ø6/24	9769	4241	SLV 13	6368	4203	32596	2.5	0.65	-16763	18677	SLV 9	6368	4203	32596	2.5	0.38	No
230	2X/2Y ø6/24	9769	4089	SLV 13	6368	4203	32596	2.5	0.65	-16763	18526	SLV 9	6368	4203	32596	2.5	0.38	No
200	2X/2Y ø6/24	9769	3937	SLV 13	6368	4203	32596	2.5	0.65	-16763	18373	SLV 9	6368	4203	32596	2.5	0.38	No
170	2X/2Y ø6/24	9769	3785	SLV 13	6368	4203	32596	2.5	0.65	-16763	18222	SLV 9	6368	4203	32596	2.5	0.38	No
140	2X/2Y ø6/24	9769	3633	SLV 13	6368	4203	32596	2.5	0.65	-16763	18070	SLV 9	6368	4203	32596	2.5	0.38	No
320	2X/2Y ø6/24	9769	4545	SLV 13	6368	4203	32596	2.5	0.65	-16763	18981	SLV 9	6368	4203	32596	2.5	0.38	No
110	2X/2Y ø6/24	9769	3481	SLV 13	6368	4203	32596	2.5	0.65	-16763	17918	SLV 9	6368	4203	32596	2.5	0.38	No
80	2X/2Y ø6/24	9769	3330	SLV 13	6368	4203	32596	2.5	0.65	-16763	17766	SLV 9	6368	4203	32596	2.5	0.38	No
50	2X/2Y ø6/24	9769	3178	SLV 13	6368	4203	32596	2.5	0.65	-16763	17614	SLV 9	6368	4203	32596	2.5	0.38	No
20	2X/2Y ø6/24	9769	3024	SLV 13	6368	4203	32596	2.5	0.65	-16763	17461	SLV 9	6368	4203	32596	2.5	0.38	No
-10	2X/2Y ø6/24	9769	2876	SLV 13	6368	4203	32596	2.5	0.65	-16763	17313	SLV 9	6368	4203	32596	2.5	0.38	No
-500	2X/2Y ø6/24.7	1232	-1728	SLV 3	6596	4082	32832	2.5	5.35	1482	32356	SLV 5	6368	4082	32596	2.5	4.3	Si
-410	2X/2Y ø6/24.7	1232	-1275	SLV 3	6536	4082	32770	2.5	5.3	1482	32809	SLV 5	6368	4082	32596	2.5	4.3	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	3886	-2871	SLD 13	6748	4203	32989	2.5	1.74	7652	-16129	SLD 7	8502	4203	34804	2.5	1.11	Si
320	2X/2Y ø6/24	3886	-3021	SLD 13	6768	4203	33009	2.5	1.74	7652	-16279	SLD 7	8522	4203	34824	2.5	1.11	Si
290	2X/2Y ø6/24	3886	-3173	SLD 13	6788	4203	33030	2.5	1.75	7652	-16430	SLD 7	8542	4203	34845	2.5	1.12	Si
260	2X/2Y ø6/24	3886	-3324	SLD 13	6808	4203	33051	2.5	1.75	7652	-16582	SLD 7	8562	4203	34866	2.5	1.12	Si
230	2X/2Y ø6/24	3886	-3476	SLD 13	6828	4203	33072	2.5	1.76	7652	-16734	SLD 7	8582	4203	34887	2.5	1.12	Si
200	2X/2Y ø6/24	3886	-3628	SLD 13	6848	4203	33093	2.5	1.76	7652	-16886	SLD 7	8602	4203	34908	2.5	1.12	Si
170	2X/2Y ø6/24	3886	-3780	SLD 13	6868	4203	33113	2.5	1.77	7652	-17038	SLD 7	8622	4203	34928	2.5	1.13	Si
140	2X/2Y ø6/24	3886	-3932	SLD 13	6888	4203	33134	2.5	1.77	7652	-17190	SLD 7	8643	4203	34949	2.5	1.13	Si
110	2X/2Y ø6/24	3886	-4084	SLD 13	6908	4203	33155	2.5	1.78	7652	-17342	SLD 7	8663	4203	34970	2.5	1.13	Si
80	2X/2Y ø6/24	3886	-4236	SLD 13	6928	4203	33176	2.5	1.78	7652	-17494	SLD 7	8683	4203	34991	2.5	1.13	Si
50	2X/2Y ø6/24	3886	-4388	SLD 13	6948	4203	33197	2.5	1.79	7652	-17645	SLD 7	8703	4203	35012	2.5	1.14	Si
20	2X/2Y ø6/24	3886	-4541	SLD 13	6969	4203	33218	2.5	1.79	7652	-17799	SLD 7	8723	4203	35033	2.5	1.14	Si
-10	2X/2Y ø6/24	3886	-4689	SLD 13	6988	4203	33238	2.5	1.8	7652	-17947	SLD 7	8743	4203	35053	2.5	1.14	Si
-500	2X/2Y ø6/24.7	585	1958	SLD 3	6368	4082	32596	2.5	10.88	855	13929	SLD 5	6368	4082	32596	2.5	7.45	Si
-410	2X/2Y ø6/24.7	585	2411	SLD 3	6368	4082	32596	2.5	10.88	855	14382	SLD 5	6368	4082	32596	2.5	7.45	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.409	101	0.449	0.155	0.426	SLV 7	No
290	0.412	103	0.453	0.156	0.43	SLV 7	No
260	0.414	104	0.454	0.157	0.432	SLV 7	No
230	0.415	104	0.454	0.157	0.432	SLV 7	No
200	0.416	105	0.456	0.158	0.434	SLV 7	No
170	0.418	106	0.458	0.159	0.436	SLV 7	No
140	0.419	106	0.458	0.159	0.436	SLV 7	No
320	0.41	102	0.451	0.156	0.428	SLV 7	No
110	0.42	107	0.46	0.159	0.438	SLV 7	No
80	0.422	108	0.462	0.16	0.44	SLV 7	No
50	0.423	108	0.462	0.16	0.44	SLV 7	No
20	0.425	109	0.463	0.161	0.442	SLV 7	No
-10	0.425	109	0.463	0.161	0.442	SLV 9	No
-500	3.689	2474	1.666	0.573	1.575	SLV 5	Si
-410	3.689	2474	1.666	0.573	1.575	SLV 5	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.164	112	1.179	0.163	1.156	SLD 7	Si
320	1.168	113	1.183	0.164	1.161	SLD 7	Si
290	1.172	114	1.187	0.165	1.167	SLD 7	Si
260	1.176	114	1.187	0.165	1.167	SLD 7	Si
230	1.18	115	1.192	0.165	1.172	SLD 7	Si
200	1.184	116	1.196	0.166	1.178	SLD 7	Si
170	1.188	116	1.196	0.166	1.178	SLD 7	Si
140	1.191	118	1.204	0.167	1.183	SLD 7	Si
110	1.195	119	1.208	0.168	1.188	SLD 7	Si
80	1.199	119	1.208	0.168	1.188	SLD 7	Si
50	1.203	120	1.213	0.168	1.193	SLD 7	Si
20	1.207	121	1.217	0.169	1.199	SLD 7	Si
-10	1.209	121	1.217	0.169	1.199	SLD 9	Si
-500	10.507	2474	4.193	0.603	4.276	SLD 5	Si
-410	10.507	2474	4.193	0.603	4.276	SLD 5	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 26

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.

Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-5009	180213	-35157	-29582	1064225	SLU 30	5.905	Si
20	18.1	1.8	0	1,2,3,4	-7730	168576	-34966	-46599	1016189	SLU 30	6.028	Si
50	18.1	1.8	0	1,2,3,4	-10570	156429	-34766	-65131	963871	SLU 30	6.162	Si
80	18.1	0.9	0	2,3,4	-13374	144438	-34568	-84214	909495	SLU 30	6.297	Si
110	18.1	0.9	0	2,3,4	-16178	132446	-34371	-104136	852549	SLU 30	6.437	Si
140	18.1	0.9	0	2,3,4	-18982	120454	-34173	-124941	792857	SLU 30	6.582	Si
170	18.1	0.9	0	2,3,4	-21785	108463	-33976	-145307	723440	SLU 30	6.67	Si
200	18.1	0.9	0	2,3,4	-24583	96497	-33779	-164925	647382	SLU 30	6.709	Si
230	18.1	0.9	0	2,3,4	-27393	84479	-33581	-184858	570098	SLU 30	6.748	Si
260	18.1	0.9	0	2,3,4	-30197	72488	-33384	-204984	492067	SLU 30	6.788	Si
290	18.1	0.9	0	2,3,4	-33001	60496	-33186	-225350	413107	SLU 30	6.829	Si
320	18.1	0.9	0	2,3,4	-35804	48504	-32989	-245959	333202	SLU 30	6.87	Si
350	18.1	0.9	0	2,3,4	-38561	36712	-32795	-266467	253691	SLU 30	6.91	Si
420	18.1	2.3	0	2,3,4,5	59013	6868	-15643	667820	77724	SLU 36	11.317	Si
449	18.1	2.3	0	2,3,4,5	49937	3379	-15494	589925	39919	SLU 36	11.813	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	2,3,4,5	1296569	368473	-11951	681707	193735	SLV 5	0.526				No
350	18.1	0.9	0	2,3,4	1665001	268630	-20917	878664	141763	SLV 11	0.528				No
320	18.1	0.9	0	2,3,4	1527404	257198	-21066	903081	152069	SLV 11	0.591				No
449	18.1	2.3	0	2,3,4,5	1106145	313920	-11837	699442	198499	SLV 5	0.632				No
290	18.1	0.9	0	2,3,4	1387476	245563	-21218	934745	165437	SLV 11	0.674				No
770	18.1	1.1	0	5	-1021745	-298623	-10555	-694495	-202978	SLV 5	0.68				No
260	18.1	0.9	0	2,3,4	1247547	233918	-21370	976551	183106	SLV 11	0.783				No
478	18.1	2.3	0	2,3,4,5	912401	258472	-11720	726617	205842	SLV 5	0.796				No
741	18.1	1.1	0	5	-831322	-244117	-10670	-725771	-213122	SLV 5	0.873				No
230	18.1	0.9	0	2,3,4	1107619	222259	-21522	1033183	207323	SLV 11	0.933				No
508	18.1	1.1	0	5	-677788	-222699	-8456	-718855	-236193	SLV 11	1.061				Si
200	18.1	0.9	0	2,3,4	967389	210555	-21674	1105032	240513	SLV 11	1.142				Si
712	18.1	1.1	0	5	595610	180031	-7639	725056	219157	SLV 11	1.217				Si
170	18.1	0.9	0	2,3,4	827761	198871	-21826	1200710	288473	SLV 11	1.451				Si
537	18.1	1.1	0	5	-495879	-166039	-8339	-775569	-259690	SLV 11	1.564				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	594686	156245	-11073	809159	212594	SLD 5	1.361	Si
449	18.1	2.3	0	2,3,4,5	507221	132537	-10959	853912	223128	SLD 5	1.684	Si
770	18.1	1.1	0	5	-470162	-133682	-9677	-835534	-237569	SLD 5	1.777	Si
350	18.1	0.9	0	2,3,4	-772483	-83073	-23901	-1388780	-149349	SLD 5	1.798	Si
320	18.1	0.9	0	2,3,4	-662676	231455	-24477	-1381643	482571	SLD 9	2.085	Si
478	18.1	2.3	0	2,3,4,5	418230	108441	-10842	920705	238726	SLD 5	2.201	Si
741	18.1	1.1	0	5	-382696	-109995	-9792	-908908	-261240	SLD 5	2.375	Si
290	18.1	0.9	0	2,3,4	-602433	222636	-24629	-1438805	531728	SLD 9	2.388	Si
260	18.1	0.9	0	2,3,4	-542190	213822	-24781	-1475746	581986	SLD 9	2.722	Si
230	18.1	0.9	0	2,3,4	-481947	205015	-24932	-1491119	634304	SLD 9	3.094	Si
508	18.1	1.1	0	5	329239	84392	-10725	1026336	263074	SLD 5	3.117	Si
712	18.1	1.1	0	5	-293706	-85938	-9909	-1027289	-300582	SLD 5	3.498	Si
200	18.1	0.9	0	2,3,4	-421575	196197	-25085	-1488821	692882	SLD 9	3.532	Si
170	18.1	0.9	0	2,3,4	-361462	187430	-25236	-1468133	761275	SLD 9	4.062	Si
140	18.1	0.9	0	2,3,4	-301219	178663	-25388	-1420631	842626	SLD 9	4.716	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.57	201	0.595	0.214	0.587	SLV 5	No
350	0.64	258	0.66	0.238	0.654	SLV 5	No
320	0.7	313	0.714	0.259	0.712	SLV 11	No
449	0.674	289	0.691	0.25	0.687	SLV 5	No
290	0.769	385	0.777	0.283	0.777	SLV 11	No
770	0.713	327	0.727	0.264	0.724	SLV 5	No
260	0.853	484	0.854	0.312	0.857	SLV 11	No
478	0.825	450	0.829	0.303	0.831	SLV 5	No
741	0.891	538	0.891	0.325	0.894	SLV 5	No
230	0.956	638	0.956	0.348	0.957	SLV 11	No
508	1.047	796	1.047	0.38	1.045	SLV 11	Si
200	1.09	878	1.09	0.395	1.086	SLV 11	Si
712	1.164	1036	1.166	0.421	1.157	SLV 11	Si
170	1.265	1290	1.276	0.455	1.251	SLV 11	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
537	1.402	1698	1.428	0.502	1.379	SLV 11	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	1.289	138	1.284	0.18	1.275	SLD 5	Si
449	1.523	196	1.483	0.212	1.5	SLD 5	Si
770	1.611	222	1.56	0.223	1.583	SLD 5	Si
350	1.445	175	1.415	0.201	1.423	SLD 5	Si
320	1.582	213	1.534	0.219	1.554	SLD 11	Si
478	1.867	307	1.782	0.257	1.819	SLD 5	Si
741	2.014	361	1.905	0.275	1.951	SLD 5	Si
290	1.738	262	1.67	0.24	1.699	SLD 11	Si
260	1.926	328	1.831	0.264	1.873	SLD 11	Si
230	2.16	422	2.03	0.294	2.086	SLD 11	Si
508	2.365	516	2.205	0.32	2.27	SLD 11	Si
712	2.635	671	1.856	0.355	2.519	SLD 11	Si
200	1.862	569	2.295	0.333	2.36	SLD 11	Si
170	2.857	817	2.662	0.384	2.724	SLD 11	Si
140	3.408	1287	3.207	0.455	3.224	SLD 11	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-209	-11363	SLU 17	6642	3562	26855	2.5	31.81	-354	-12677	SLU 30	6813	3562	27032	2.5	19.25	Si
741	2X/2Y ø6/24.8	-209	-11478	SLU 17	6657	3562	26870	2.5	31.88	-354	-12826	SLU 30	6832	3562	27052	2.5	19.3	Si
712	2X/2Y ø6/24.8	-209	-11595	SLU 17	6672	3562	26886	2.5	31.96	-354	-12978	SLU 30	6852	3562	27072	2.5	19.36	Si
683	2X/2Y ø6/24.8	-209	-11711	SLU 17	6687	3562	26902	2.5	32.03	-354	-13130	SLU 30	6872	3562	27092	2.5	19.41	Si
653	2X/2Y ø6/24.8	-209	-11828	SLU 17	6703	3562	26917	2.5	32.1	-354	-13281	SLU 30	6892	3562	27113	2.5	19.47	Si
624	2X/2Y ø6/24.8	-209	-11945	SLU 17	6718	3562	26933	2.5	32.18	-354	-13433	SLU 30	6911	3562	27133	2.5	19.52	Si
595	2X/2Y ø6/24.8	-209	-12061	SLU 17	6733	3562	26949	2.5	32.25	-354	-13585	SLU 30	6931	3562	27154	2.5	19.58	Si
566	2X/2Y ø6/24.8	-209	-12178	SLU 17	6748	3562	26964	2.5	32.32	-354	-13736	SLU 30	6951	3562	27174	2.5	19.64	Si
537	2X/2Y ø6/24.8	-209	-12295	SLU 17	6763	3562	26980	2.5	32.39	-354	-13888	SLU 30	6971	3562	27195	2.5	19.69	Si
508	2X/2Y ø6/24.8	-209	-12411	SLU 17	6778	3562	26996	2.5	31.87	-354	-14040	SLU 30	6990	3562	27215	2.5	19.75	Si
478	2X/2Y ø6/24.8	-209	-12528	SLU 17	6794	3562	27011	2.5	32.54	-354	-14191	SLU 30	7010	3562	27235	2.5	19.8	Si
449	2X/2Y ø6/24.8	-209	-12645	SLU 17	6809	3562	27027	2.5	32.61	-354	-14343	SLU 30	7030	3562	27256	2.5	19.86	Si
420	2X/2Y ø6/24.8	-209	-12759	SLU 17	6824	3562	27043	2.5	32.68	-354	-14492	SLU 30	7049	3562	27276	2.5	19.91	Si
350	2X/2Y ø6/23.9	-416	-32756	SLU 36	10702	4223	37080	2.5	25.71	-94	-32505	SLU 29	10669	4223	37046	2.5	112.98	Si
320	2X/2Y ø6/23.9	-416	-32950	SLU 36	10728	4223	37107	2.5	25.77	-94	-32699	SLU 29	10695	4223	37072	2.5	113.26	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	5842	-7246	SLV 15	6106	3562	26300	2.5	1.05	7911	-6998	SLV 11	6074	3562	26267	2.5	0.77	No
741	2X/2Y ø6/24.8	5842	-7360	SLV 15	6121	3562	26316	2.5	1.05	7911	-7113	SLV 11	6089	3562	26283	2.5	0.77	No
712	2X/2Y ø6/24.8	5842	-7477	SLV 15	6136	3562	26332	2.5	1.05	7911	-7230	SLV 11	6104	3562	26298	2.5	0.77	No
683	2X/2Y ø6/24.8	5842	-7594	SLV 15	6152	3562	26347	2.5	1.05	7911	-7346	SLV 11	6119	3562	26314	2.5	0.77	No
653	2X/2Y ø6/24.8	5842	-7710	SLV 15	6167	3562	26363	2.5	1.06	7911	-7463	SLV 11	6135	3562	26330	2.5	0.78	No
624	2X/2Y ø6/24.8	5842	-7827	SLV 15	6182	3562	26379	2.5	1.06	7911	-7580	SLV 11	6150	3562	26345	2.5	0.78	No
595	2X/2Y ø6/24.8	5842	-7944	SLV 15	6197	3562	26394	2.5	1.06	7911	-7696	SLV 11	6165	3562	26361	2.5	0.78	No
566	2X/2Y ø6/24.8	5842	-8060	SLV 15	6212	3562	26410	2.5	1.06	7911	-7813	SLV 11	6180	3562	26377	2.5	0.78	No
537	2X/2Y ø6/24.8	5842	-8177	SLV 15	6227	3562	26426	2.5	1.07	7911	-7930	SLV 11	6195	3562	26392	2.5	0.78	No
508	2X/2Y ø6/24.8	5842	-8294	SLV 15	6243	3562	26441	2.5	1.07	7911	-8046	SLV 11	6210	3562	26408	2.5	0.79	No
478	2X/2Y ø6/24.8	5842	-8410	SLV 15	6258	3562	26457	2.5	1.07	7911	-8163	SLV 11	6226	3562	26424	2.5	0.79	No
449	2X/2Y ø6/24.8	5842	-8527	SLV 15	6273	3562	26473	2.5	1.07	7911	-8280	SLV 11	6241	3562	26440	2.5	0.79	No
420	2X/2Y ø6/24.8	5842	-8642	SLV 15	6288	3562	26488	2.5	1.08	7911	-8394	SLV 11	6256	3562	26455	2.5	0.79	No
350	2X/2Y ø6/23.9	-4565	-20000	SLV 3	9014	4223	35334	2.5	1.97	5892	-20379	SLV 11	9065	4223	35386	2.5	1.54	Si
320	2X/2Y ø6/23.9	-4565	-20149	SLV 3	9034	4223	35354	2.5	1.98	5892	-20528	SLV 11	9084	4223	35406	2.5	1.54	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	2068	-8372	SLD 15	6253	3562	26452	2.5	3.02	-3051	-9677	SLD 5	6423	3562	26628	2.5	2.11	Si
741	2X/2Y ø6/24.8	2068	-8487	SLD 15	6268	3562	26467	2.5	3.03	-3051	-9792	SLD 5	6438	3562	26643	2.5	2.11	Si
712	2X/2Y ø6/24.8	2068	-8603	SLD 15	6283	3562	26483	2.5	3.04	-3051	-9909	SLD 5	6453	3562	26659	2.5	2.11	Si
683	2X/2Y ø6/24.8	2068	-8720	SLD 15	6298	3562	26499	2.5	3.05	-3051	-10025	SLD 5	6468	3562	26675	2.5	2.12	Si
653	2X/2Y ø6/24.8	2068	-8837	SLD 15	6313	3562	26515	2.5	3.05	-3051	-10142	SLD 5	6483	3562	26690	2.5	2.12	Si
624	2X/2Y ø6/24.8	2068	-8953	SLD 15	6328	3562	26530	2.5	3.06	-3051	-10259	SLD 5	6498	3562	26706	2.5	2.13	Si
595	2X/2Y ø6/24.8	2068	-9070	SLD 15	6344	3562	26546	2.5	3.07	-3051	-10375	SLD 5	6513	3562	26722	2.5	2.13	Si
566	2X/2Y ø6/24.8	2068	-9187	SLD 15	6359	3562	26562	2.5	3.07	-3051	-10492	SLD 5	6529	3562	26737	2.5	2.14	Si
537	2X/2Y ø6/24.8	2068	-9303	SLD 15	6374	3562	26577	2.5	3.08	-3051	-10609	SLD 5	6544	3562	26753	2.5	2.14	Si
508	2X/2Y ø6/24.8	2068	-9420	SLD 15	6389	3562	26593	2.5	3.09	-3051	-10725	SLD 5	6559	3562	26769	2.5	2.15	Si
478	2X/2Y ø6/24.8	2068	-9537	SLD 15	6404	3562	26609	2.5	3.1	-3051	-10842	SLD 5	6574	3562	26784	2.5	2.15	Si
449	2X/2Y ø6/24.8	2068	-9653	SLD 15	6420	3562	26624	2.5	3.1	-3051	-10959	SLD 5	6589	3562	26800	2.5	2.16	Si
420	2X/2Y ø6/24.8	2068	-9768	SLD 15	6434	3562	26640	2.5	3.11	-3051	-11073	SLD 5	6604	3562	26816	2.5	2.16	Si
350	2X/2Y ø6/23.9	-1788	-21938	SLD 3	9271	4223	35599	2.5	5.18	-2149	-23901	SLD 5	9531	4223	35868	2.5	4.43	Si
320	2X/2Y ø6/23.9	-1788	-22087	SLD 3	9291	4223	35620	2.5	5.2	-2149	-24051	SLD 5	9550	4223	35888	2.5	4.44	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.78	398	0.788	0.287	0.789	SLV 5	No
741	0.782	400	0.789	0.288	0.79	SLV 5	No
712	0.783	401	0.79	0.288	0.791	SLV 5	No
683	0.785	404	0.793	0.289	0.794	SLV 5	No
653	0.787	406	0.794	0.289	0.795	SLV 5	No
624	0.789	408	0.796	0.29	0.797	SLV 5	No
595	0.791	410	0.797	0.291	0.799	SLV 5	No
566	0.793	412	0.799	0.291	0.8	SLV 5	No
537	0.795	415	0.801	0.292	0.803	SLV 5	No
508	0.797	417	0.803	0.293	0.805	SLV 5	No
478	0.799	419	0.805	0.293	0.806	SLV 5	No
449	0.801	421	0.806	0.294	0.808	SLV 5	No
420	0.803	424	0.809	0.295	0.81	SLV 5	No
350	1.504	2047	1.542	0.536	1.473	SLV 11	Si
320	1.508	2062	1.546	0.538	1.477	SLV 11	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	2.225	449	2.083	0.302	2.143	SLD 5	Si
741	2.228	450	2.085	0.303	2.145	SLD 5	Si
712	2.233	453	2.09	0.304	2.152	SLD 5	Si
683	2.239	456	2.096	0.304	2.157	SLD 5	Si
653	2.242	457	2.098	0.305	2.159	SLD 5	Si
624	2.248	460	2.104	0.306	2.166	SLD 5	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
595	2.254	462	2.107	0.306	2.17	SLD 5	Si
566	2.26	465	2.113	0.307	2.175	SLD 5	Si
537	2.266	468	2.118	0.308	2.182	SLD 5	Si
508	2.271	470	2.122	0.309	2.186	SLD 5	Si
478	2.277	473	2.128	0.309	2.191	SLD 5	Si
449	2.28	474	2.13	0.309	2.193	SLD 11	Si
420	2.286	477	2.135	0.31	2.2	SLD 11	Si
350	4.281	2365	4.116	0.564	3.998	SLD 11	Si
320	4.295	2386	4.131	0.566	4.011	SLD 11	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 28

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-253039	-9144	-48061	-1084990	-39209	SLU 36	4.288	Si
20	18.1	1.8	0	1,2,3,4	-219044	-4583	-47869	-977516	-20451	SLU 36	4.463	Si
50	18.1	1.8	0	1,2,3,4	-183560	178	-47669	-854021	830	SLU 36	4.653	Si
80	18.1	0.9	0	2,3,4	-148529	4879	-47472	-709043	23291	SLU 36	4.774	Si
110	18.1	0.9	0	2,3,4	-113498	9579	-47274	-544074	45921	SLU 36	4.794	Si
140	18.1	0.9	0	2,3,4	-78466	14280	-47077	-377722	68741	SLU 36	4.814	Si
170	18.1	0.9	0	2,3,4	-43435	18981	-46879	-209969	91754	SLU 36	4.834	Si
200	18.1	0.9	0	2,3,4	-8479	23671	-46682	-41162	114910	SLU 36	4.854	Si
350	18.1	0.9	0	2,3,4	166169	47105	-45698	809900	229590	SLU 36	4.874	Si
230	18.1	0.9	0	2,3,4	26627	28382	-46484	129812	138365	SLU 36	4.875	Si
260	18.1	0.9	0	2,3,4	61659	33082	-46287	301877	161968	SLU 36	4.896	Si
290	18.1	0.9	0	2,3,4	96690	37783	-46089	475416	185774	SLU 36	4.917	Si
320	18.1	0.9	0	2,3,4	131721	42483	-45892	650448	209785	SLU 36	4.938	Si
420	18.1	2.3	0	2,3,4,5	-173780	109452	-23947	-957075	602794	SLU 35	5.507	Si
449	18.1	2.3	0	2,3,4,5	-149065	93065	-23798	-892118	556973	SLU 35	5.985	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	-3285480	33682	-31523	-827541	8484	SLV 7	0.252				No
20	18.1	1.8	0	1,2,3,4	-2823263	-15442	-31376	-854924	-4676	SLV 7	0.303				No
350	18.1	0.9	0	2,3,4	2414268	-524702	-29706	872239	-189567	SLV 7	0.361				No
50	18.1	1.8	0	1,2,3,4	-2340815	-60023	-31222	-897746	-23020	SLV 7	0.384				No
320	18.1	0.9	0	2,3,4	1945905	-478887	-29855	933195	-229659	SLV 7	0.48				No
80	18.1	0.9	0	2,3,4	-1864514	-106342	-31070	-970175	-55333	SLV 7	0.52				No
420	18.1	2.3	0	2,3,4,5	-1161896	-49739	-16370	-748497	-32042	SLV 11	0.644				No
290	18.1	0.9	0	2,3,4	1469604	-432296	-30007	1040498	-306071	SLV 7	0.708				No
449	18.1	2.3	0	2,3,4,5	-991783	-40876	-16256	-782047	-32232	SLV 11	0.789				No
110	18.1	0.9	0	2,3,4	-1388213	-152842	-30918	-1114849	-122745	SLV 7	0.803				No
770	18.1	1.1	0	5	909152	57472	-14974	783036	49500	SLV 11	0.861				No
478	18.1	2.3	0	2,3,4,5	-818704	-31849	-16139	-835499	-32502	SLV 11	1.021				Si
741	18.1	1.1	0	5	739040	48580	-15089	847112	55684	SLV 11	1.146				Si
260	18.1	0.9	0	2,3,4	445045	-1025835	-30805	515969	-1189317	SLV 3	1.159				Si
508	18.1	1.1	0	5	-645626	-22803	-16022	-933005	-32952	SLV 11	1.445				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-1565415	11243	-33178	-1087982	7814	SLD 7	0.695	No
20	18.1	1.8	0	1,2,3,4	-1345858	-9035	-33031	-1192510	-8005	SLD 7	0.886	No
350	18.1	0.9	0	2,3,4	1142007	-217839	-31361	1248001	-238058	SLD 7	1.093	Si
50	18.1	1.8	0	1,2,3,4	-1116692	-27238	-32877	-1363664	-33262	SLD 7	1.221	Si
320	18.1	0.9	0	2,3,4	919531	-199045	-31510	1422750	-307974	SLD 7	1.547	Si
420	18.1	2.3	0	2,3,4,5	-538461	235396	-16270	-916499	400661	SLD 7	1.702	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
80	18.1	0.9	0	2,3,4	-890446	-46229	-32725	-1599663	-83050	SLD 7	1.796	Si
449	18.1	2.3	0	2,3,4,5	-459862	200615	-16155	-972101	424079	SLD 7	2.114	Si
770	18.1	1.1	0	5	418438	-188485	-14874	968811	-436400	SLD 7	2.315	Si
290	18.1	0.9	0	2,3,4	693285	-179933	-31662	1624442	-421603	SLD 7	2.343	Si
478	18.1	2.3	0	2,3,4,5	-379893	165235	-16039	-1040581	452602	SLD 7	2.739	Si
110	18.1	0.9	0	2,3,4	-664199	-65301	-32573	-1822582	-179189	SLD 7	2.744	Si
741	18.1	1.1	0	5	339839	-153720	-14989	1041596	-471146	SLD 7	3.065	Si
260	18.1	0.9	0	2,3,4	224440	-444080	-32099	752097	-1488112	SLD 3	3.351	Si
508	18.1	1.1	0	5	-299924	129868	-15922	-1103845	477967	SLD 7	3.68	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.345	72	0.391	0.131	0.36	SLV 7	No
20	0.409	101	0.449	0.155	0.426	SLV 7	No
350	0.47	134	0.504	0.177	0.487	SLV 7	No
50	0.502	154	0.534	0.189	0.52	SLV 7	No
320	0.592	218	0.616	0.221	0.608	SLV 7	No
80	0.641	259	0.661	0.238	0.655	SLV 7	No
420	0.686	300	0.702	0.254	0.698	SLV 11	No
290	0.789	408	0.796	0.29	0.797	SLV 7	No
449	0.82	444	0.824	0.301	0.827	SLV 11	No
110	0.87	508	0.871	0.318	0.874	SLV 7	No
770	0.883	526	0.883	0.323	0.886	SLV 11	No
478	1.016	739	1.015	0.369	1.015	SLV 11	Si
741	1.113	924	1.113	0.403	1.109	SLV 11	Si
260	1.104	905	1.103	0.4	1.1	SLV 3	Si
508	1.316	1434	1.333	0.473	1.299	SLV 11	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.778	50	0.847	0.109	0.773	SLD 7	No
20	0.925	71	0.978	0.131	0.926	SLD 7	No
350	1.063	93	1.092	0.149	1.055	SLD 7	Si
50	1.136	106	1.152	0.159	1.127	SLD 7	Si
320	1.338	149	1.325	0.187	1.323	SLD 7	Si
420	1.551	204	1.507	0.215	1.527	SLD 11	Si
80	1.448	176	1.419	0.201	1.428	SLD 7	Si
449	1.857	302	1.77	0.255	1.808	SLD 11	Si
770	2	357	1.896	0.274	1.94	SLD 11	Si
290	1.785	278	1.711	0.246	1.742	SLD 7	Si
478	2.301	485	2.15	0.312	2.213	SLD 11	Si
110	1.965	343	1.865	0.269	1.908	SLD 7	Si
741	2.521	602	2.349	0.341	1.813	SLD 11	Si
260	1.894	587	2.325	0.337	2.389	SLD 3	Si
508	2.98	905	2.776	0.4	2.835	SLD 11	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-567	-18135	SLU 19	7523	3562	27766	2.5	13.27	901	-18135	SLU 19	7523	3562	27766	2.5	8.35	Si
741	2X/2Y ø6/24.8	-567	-18284	SLU 19	7543	3562	27786	2.5	13.3	901	-18284	SLU 19	7543	3562	27786	2.5	8.37	Si
712	2X/2Y ø6/24.8	-567	-18435	SLU 19	7562	3562	27807	2.5	13.34	901	-18435	SLU 19	7562	3562	27807	2.5	8.39	Si
683	2X/2Y ø6/24.8	-567	-18587	SLU 19	7582	3562	27827	2.5	13.37	901	-18587	SLU 19	7582	3562	27827	2.5	8.41	Si
653	2X/2Y ø6/24.8	-567	-18739	SLU 19	7602	3562	27847	2.5	13.41	901	-18739	SLU 19	7602	3562	27847	2.5	8.43	Si
624	2X/2Y ø6/24.8	-567	-18890	SLU 19	7622	3562	27868	2.5	13.44	901	-18890	SLU 19	7622	3562	27868	2.5	8.45	Si
595	2X/2Y ø6/24.8	-567	-19042	SLU 19	7641	3562	27888	2.5	13.48	901	-19042	SLU 19	7641	3562	27888	2.5	8.48	Si
566	2X/2Y ø6/24.8	-567	-19194	SLU 19	7661	3562	27909	2.5	13.51	901	-19194	SLU 19	7661	3562	27909	2.5	8.5	Si
537	2X/2Y ø6/24.8	-567	-19345	SLU 19	7681	3562	27929	2.5	13.55	901	-19345	SLU 19	7681	3562	27929	2.5	8.52	Si
508	2X/2Y ø6/24.8	-567	-19497	SLU 19	7700	3562	27950	2.5	13.58	901	-19497	SLU 19	7700	3562	27950	2.5	8.54	Si
478	2X/2Y ø6/24.8	-567	-19649	SLU 19	7720	3562	27970	2.5	13.62	901	-19649	SLU 19	7720	3562	27970	2.5	8.56	Si
449	2X/2Y ø6/24.8	-567	-19800	SLU 19	7740	3562	27990	2.5	13.65	901	-19800	SLU 19	7740	3562	27990	2.5	8.59	Si
420	2X/2Y ø6/24.8	-567	-19950	SLU 19	7759	3562	28010	2.5	13.69	901	-19950	SLU 19	7759	3562	28010	2.5	8.61	Si
350	2X/2Y ø6/23.9	147	-37464	SLU 18	11326	4223	37725	2.5	77.11	1295	-38692	SLU 19	11488	4223	37893	2.5	8.87	Si
320	2X/2Y ø6/23.9	147	-37613	SLU 18	11345	4223	37745	2.5	77.24	1295	-38886	SLU 19	11514	4223	37919	2.5	8.89	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-5254	-29748	SLV 3	10304	4223	36668	2.5	1.96	19764	-28934	SLV 7	10197	4223	36557	2.5	0.52	No
320	2X/2Y ø6/23.9	-5254	-29898	SLV 3	10324	4223	36689	2.5	1.96	19764	-29084	SLV 7	10216	4223	36577	2.5	0.52	No
290	2X/2Y ø6/23.9	-5254	-30050	SLV 3	10344	4223	36710	2.5	1.97	19764	-29235	SLV 7	10237	4223	36598	2.5	0.52	No
260	2X/2Y ø6/23.9	-5254	-30202	SLV 3	10364	4223	36730	2.5	1.97	19764	-29387	SLV 7	10257	4223	36619	2.5	0.52	No
230	2X/2Y ø6/23.9	-5254	-30353	SLV 3	10385	4223	36751	2.5	1.98	19764	-29539	SLV 7	10277	4223	36640	2.5	0.52	No
200	2X/2Y ø6/23.9	-5254	-30506	SLV 3	10405	4223	36772	2.5	1.98	19764	-29691	SLV 7	10297	4223	36661	2.5	0.52	No
170	2X/2Y ø6/23.9	-5254	-30657	SLV 3	10425	4223	36793	2.5	1.98	19764	-29843	SLV 7	10317	4223	36681	2.5	0.52	No
140	2X/2Y ø6/23.9	-5254	-30809	SLV 3	10445	4223	36814	2.5	1.99	19764	-29995	SLV 7	10337	4223	36702	2.5	0.52	No
110	2X/2Y ø6/23.9	-5254	-30961	SLV 3	10465	4223	36834	2.5	1.99	19764	-30147	SLV 7	10357	4223	36723	2.5	0.52	No
80	2X/2Y ø6/23.9	-5254	-31113	SLV 3	10485	4223	36855	2.5	2	19764	-30299	SLV 7	10377	4223	36744	2.5	0.53	No
50	2X/2Y ø6/23.9	-5254	-31265	SLV 3	10505	4223	36876	2.5	2	19764	-30450	SLV 7	10397	4223	36764	2.5	0.53	No
20	2X/2Y ø6/23.9	-5254	-31418	SLV 3	10525	4223	36897	2.5	2	19764	-30604	SLV 7	10418	4223	36786	2.5	0.53	No
-10	2X/2Y ø6/23.9	-5254	-31566	SLV 3	10545	4223	36917	2.5	2.01	19764	-30752	SLV 7	10437	4223	36806	2.5	0.53	No
770	2X/2Y ø6/24.8	-5887	-14003	SLV 3	6986	3562	27210	2.5	1.19	7317	-14925	SLV 11	7106	3562	27334	2.5	0.97	No
741	2X/2Y ø6/24.8	-5887	-14118	SLV 3	7001	3562	27225	2.5	1.19	7317	-15040	SLV 11	7120	3562	27350	2.5	0.97	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	1967	-33700	SLD 13	10827	4223	37209	2.5	5.51	7542	-31361	SLD 7	10518	4223	36889	2.5	1.39	Si
320	2X/2Y ø6/23.9	1967	-33849	SLD 13	10847	4223	37230	2.5	5.52	7542	-31510	SLD 7	10538	4223	36910	2.5	1.4	Si
290	2X/2Y ø6/23.9	1967	-34001	SLD 13	10867	4223	37251	2.5	5.53	7542	-31662	SLD 7	10558	4223	36930	2.5	1.4	Si
260	2X/2Y ø6/23.9	1967	-34153	SLD 13	10887	4223	37271	2.5	5.54	7542	-31814	SLD 7	10578	4223	36951	2.5	1.4	Si
230	2X/2Y ø6/23.9	1967	-34305	SLD 13	10907	4223	37292	2.5	5.55	7542	-31966	SLD 7	10598	4223	36972	2.5	1.41	Si
200	2X/2Y ø6/23.9	1967	-34457	SLD 13	10928	4223	37313	2.5	5.56	7542	-32118	SLD 7	10618	4223	36993	2.5	1.41	Si
170	2X/2Y ø6/23.9	1967	-34608	SLD 13	10948	4223	37334	2.5	5.57	7542	-32270	SLD 7	10638	4223	37014	2.5	1.41	Si
140	2X/2Y ø6/23.9	1967	-34760	SLD 13	10968	4223	37354	2.5	5.58	7542	-32421	SLD 7	10658	4223	37034	2.5	1.41	Si
110	2X/2Y ø6/23.9	1967	-34912	SLD 13	10988	4223	37375	2.5	5.59	7542	-32573	SLD 7	10678	4223	37055	2.5	1.42	Si
80	2X/2Y ø6/23.9	1967	-35064	SLD 13	11008	4223	37396	2.5	5.6	7542	-32725	SLD 7	10698	4223	37076	2.5	1.42	Si
50	2X/2Y ø6/23.9	1967	-35216	SLD 13	11028	4223	37417	2.5	5.61	7542	-32877	SLD 7	10719	4223	37097	2.5	1.42	Si
20	2X/2Y ø6/23.9	1967	-35370	SLD 13	11048	4223	37438	2.5	5.62	7542	-33031	SLD 7	10739	4223	37118	2.5	1.42	Si
-10	2X/2Y ø6/23.9	1967	-35517	SLD 13	11068	4223	37458	2.5	5.63	7542	-33178	SLD 7	10758	4223	37138	2.5	1.43	Si
770	2X/2Y ø6/24.8	-2348	-14758	SLD 3	7084	3562	27312	2.5	3.02	2967	-15084	SLD 11	7126	3562	27356	2.5	1.8	Si
741	2X/2Y ø6/24.8	-2348	-14872	SLD 3	7099	3562	27327	2.5	3.02	2967	-15199	SLD 11	7141	3562	27371	2.5	1.81	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.505	156	0.537	0.19	0.523	SLV 7	No
320	0.506	156	0.537	0.19	0.523	SLV 7	No
290	0.507	157	0.538	0.191	0.524	SLV 7	No
260	0.508	158	0.539	0.191	0.526	SLV 7	No
230	0.51	159	0.541	0.192	0.527	SLV 7	No
200	0.511	160	0.542	0.192	0.529	SLV 7	No
170	0.512	160	0.542	0.192	0.529	SLV 7	No
140	0.513	161	0.544	0.193	0.53	SLV 7	No
110	0.514	161	0.544	0.193	0.53	SLV 7	No
80	0.515	162	0.545	0.194	0.532	SLV 7	No
50	0.516	163	0.546	0.194	0.534	SLV 7	No
20	0.517	163	0.546	0.194	0.534	SLV 7	No
-10	0.518	164	0.548	0.195	0.535	SLV 7	No
770	0.969	659	0.969	0.353	0.97	SLV 11	No
741	0.971	662	0.971	0.354	0.971	SLV 11	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.438	174	1.412	0.2	1.419	SLD 7	Si
320	1.441	175	1.415	0.201	1.423	SLD 7	Si
290	1.445	175	1.415	0.201	1.423	SLD 7	Si
260	1.447	176	1.419	0.201	1.428	SLD 7	Si
230	1.449	176	1.419	0.201	1.428	SLD 7	Si
200	1.453	177	1.422	0.202	1.432	SLD 7	Si
170	1.457	178	1.425	0.203	1.436	SLD 7	Si
140	1.459	180	1.432	0.203	1.44	SLD 7	Si
110	1.461	180	1.432	0.203	1.44	SLD 7	Si
80	1.465	181	1.435	0.204	1.444	SLD 7	Si
50	1.469	182	1.438	0.204	1.448	SLD 7	Si
20	1.471	182	1.438	0.204	1.448	SLD 7	Si
-10	1.473	183	1.442	0.205	1.452	SLD 7	Si
770	2.764	753	2.575	0.372	2.637	SLD 11	Si
741	2.77	756	2.579	0.373	2.642	SLD 11	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 29

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-22	0	0.9	0		-7687	-3229	-27730	-52806	-22184	SLU 30	6.869	Si
-17	1.47	0.9	0	1	-7135	-2576	-27693	-49836	-17991	SLU 30	6.984	Si
14	17.38	1.8	0	1,2,3,4	-4118	998	-27495	-33724	8176	SLU 30	8.19	Si
44	18.1	1.8	0	1,2,3,4	-1050	4632	-27294	-8714	38456	SLU 30	8.303	Si
75	18.1	0.9	0	2,3,4	2053	8307	-27091	17176	69485	SLU 30	8.365	Si
105	18.1	0.9	0	2,3,4	5086	11899	-26892	42864	100273	SLU 30	8.427	Si
136	18.1	0.9	0	2,3,4	8154	15532	-26690	69237	131880	SLU 30	8.491	Si
167	18.1	0.9	0	2,3,4	11222	19166	-26489	96010	163968	SLU 30	8.555	Si
197	18.1	0.9	0	2,3,4	14290	22800	-26288	123193	196547	SLU 30	8.621	Si
228	18.1	0.9	0	2,3,4	17360	26434	-26086	150806	229640	SLU 30	8.687	Si
258	18.1	0.9	0	2,3,4	20426	30067	-25885	178828	263225	SLU 30	8.755	Si
289	18.1	0.9	0	2,3,4	23494	33700	-25684	207299	297348	SLU 30	8.823	Si
319	18.1	0.9	0	2,3,4	26563	37334	-25483	236220	332010	SLU 30	8.893	Si
350	18.1	0.9	0	2,3,4	29580	40908	-25285	265118	366643	SLU 30	8.963	Si
770	18.1	1.1	0	5	2180	145183	-9418	21662	1442333	SLU 36	9.935	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
350	18.1	0.9	0	2,3,4	20973	-816332	-13683	25015	-973635	SLV 1	1.193				Si
420	18.1	2.3	0	2,3,4,5	-85943	-614390	-10103	-109365	-781826	SLV 13	1.273				Si
770	18.1	1.1	0	5	-11620	566737	-8707	-15725	766976	SLV 13	1.353				Si
319	18.1	0.9	0	2,3,4	18929	-745466	-13835	25823	-1016970	SLV 1	1.364				Si
449	18.1	2.3	0	2,3,4,5	-79835	-517860	-9988	-127352	-826086	SLV 13	1.595				Si
289	18.1	0.9	0	2,3,4	16850	-673493	-13990	26909	-1075561	SLV 1	1.597				Si
741	18.1	1.1	0	5	-17711	470298	-8822	-30860	819458	SLV 13	1.742				Si
258	18.1	0.9	0	2,3,4	79786	-560446	-11672	152855	-1073700	SLV 3	1.916				Si
478	18.1	2.3	0	2,3,4,5	-73621	-419762	-9872	-157325	-897018	SLV 13	2.137				Si
228	18.1	0.9	0	2,3,4	70025	-494651	-11827	164195	-1159856	SLV 3	2.345				Si
712	18.1	1.1	0	5	-23917	372369	-8938	-58748	914650	SLV 13	1.856				Si
197	18.1	0.9	0	2,3,4	60268	-428978	-11982	179815	-1279885	SLV 3	2.984				Si
508	18.1	1.1	0	5	81100	266053	-5504	253899	832935	SLV 3	3.131				Si
683	18.1	1.1	0	5	-30127	274856	-9055	-119608	1091206	SLV 13	3.97				Si
167	18.1	0.9	0	2,3,4	50531	-363580	-12136	201251	-1448034	SLV 3	3.983				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
770	18.1	1.1	0	5	-4246	295625	-7522	-13616	947955	SLD 13	3.207	Si
420	18.1	2.3	0	2,3,4,5	-33158	-307251	-8918	-109410	-1013812	SLD 13	3.3	Si
449	18.1	2.3	0	2,3,4,5	-30782	-257946	-8803	-132594	-1111107	SLD 13	4.308	Si
741	18.1	1.1	0	5	-6615	246360	-7637	-28741	1070404	SLD 13	4.345	Si
350	18.1	0.9	0	2,3,4	23945	401531	-20404	111138	1863627	SLD 15	4.641	Si
319	18.1	0.9	0	2,3,4	21497	366624	-20556	111283	1897927	SLD 15	5.177	Si
289	18.1	0.9	0	2,3,4	19007	331167	-20711	109235	1903213	SLD 15	5.747	Si
478	18.1	2.3	0	2,3,4,5	-28365	-207832	-8687	-168999	-1238290	SLD 13	5.958	Si
258	18.1	0.9	0	2,3,4	16518	295752	-20866	104078	1863468	SLD 15	6.301	Si
712	18.1	1.1	0	5	-9029	196320	-7753	-57136	1242335	SLD 13	6.328	Si
228	18.1	0.9	0	2,3,4	14031	260409	-21021	95916	1780224	SLD 15	6.836	Si
197	18.1	0.9	0	2,3,4	11542	225132	-21176	85278	1663446	SLD 15	7.389	Si
167	18.1	0.9	0	2,3,4	-9460	179601	-22425	-75333	1430180	SLD 13	7.963	Si
-22	0	0.9	0		-2389	42739	-23379	-19463	348226	SLD 13	8.148	Si
-17	1.47	0.9	0	1	-3137	39999	-23351	-25981	331315	SLD 13	8.283	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	1.12	938	1.12	0.406	1.115	SLV 1	Si
420	1.244	1235	1.253	0.448	1.232	SLV 13	Si
770	1.34	1503	1.358	0.481	1.321	SLV 13	Si
319	1.217	1164	1.223	0.439	1.206	SLV 1	Si
449	1.508	2062	1.546	0.538	1.477	SLV 13	Si
289	1.334	1485	1.352	0.479	1.315	SLV 1	Si
741	1.684	2474	1.666	0.573	1.575	SLV 13	Si
258	1.469	1922	1.503	0.524	1.441	SLV 3	Si
478	1.809	2474	1.666	0.573	1.575	SLV 3	Si
228	1.625	2474	1.666	0.573	1.575	SLV 3	Si
712	2.157	2474	1.666	0.573	1.575	SLV 3	Si
197	1.82	2474	1.666	0.573	1.575	SLV 3	Si
508	2.242	2474	1.666	0.573	1.575	SLV 3	Si
683	2.816	2474	1.666	0.573	1.575	SLV 3	Si
167	2.069	2474	1.666	0.573	1.575	SLV 3	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
770	3.033	945	2.826	0.407	2.884	SLD 13	Si
420	2.816	788	2.623	0.379	2.685	SLD 13	Si
449	3.414	1293	3.214	0.456	3.229	SLD 13	Si
741	3.807	1727	3.618	0.505	3.578	SLD 13	Si
350	2.532	609	2.36	0.342	1.824	SLD 1	Si
319	2.749	744	2.562	0.37	2.624	SLD 1	Si
289	3.016	931	2.809	0.405	2.868	SLD 1	Si
478	4.093	2098	3.919	0.541	3.833	SLD 3	Si
258	3.317	1198	3.115	0.444	3.143	SLD 3	Si
712	4.883	2474	4.193	0.603	4.276	SLD 3	Si
228	3.672	1569	3.479	0.488	3.459	SLD 3	Si
197	4.117	2131	3.944	0.544	3.853	SLD 3	Si
167	4.678	2474	4.193	0.603	4.276	SLD 3	Si
-22	3.828	1754	3.641	0.508	3.597	SLD 3	Si
-17	4.505	2474	4.193	0.592	4.196	SLD 3	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	723	-9418	SLU 36	6389	3562	26593	2.5	8.84	-35	-7950	SLU 22	6198	3562	26395	2.5	175.98	Si
741	2X/2Y ø6/24.8	723	-9567	SLU 36	6408	3562	26613	2.5	8.86	-35	-8099	SLU 22	6217	3562	26415	2.5	176.53	Si
712	2X/2Y ø6/24.8	723	-9719	SLU 36	6428	3562	26633	2.5	8.89	-35	-8250	SLU 22	6237	3562	26436	2.5	177.09	Si
683	2X/2Y ø6/24.8	723	-9871	SLU 36	6448	3562	26654	2.5	8.92	-35	-8402	SLU 22	6257	3562	26456	2.5	177.65	Si
653	2X/2Y ø6/24.8	723	-10022	SLU 36	6468	3562	26674	2.5	8.95	-35	-8554	SLU 22	6276	3562	26476	2.5	178.21	Si
624	2X/2Y ø6/24.8	723	-10174	SLU 36	6487	3562	26695	2.5	8.97	-35	-8705	SLU 22	6296	3562	26497	2.5	178.77	Si
595	2X/2Y ø6/24.8	723	-10326	SLU 36	6507	3562	26715	2.5	9	-35	-8857	SLU 22	6316	3562	26517	2.5	179.33	Si
566	2X/2Y ø6/24.8	723	-10477	SLU 36	6527	3562	26735	2.5	9.03	-35	-9009	SLU 22	6336	3562	26538	2.5	179.89	Si
537	2X/2Y ø6/24.8	723	-10629	SLU 36	6547	3562	26756	2.5	9.05	-35	-9160	SLU 22	6355	3562	26558	2.5	180.45	Si
508	2X/2Y ø6/24.8	723	-10781	SLU 36	6566	3562	26776	2.5	9.08	-35	-9312	SLU 22	6375	3562	26579	2.5	181.01	Si
478	2X/2Y ø6/24.8	723	-10932	SLU 36	6586	3562	26797	2.5	9.11	-35	-9464	SLU 22	6395	3562	26599	2.5	181.57	Si
449	2X/2Y ø6/24.8	723	-11084	SLU 36	6606	3562	26817	2.5	9.14	-35	-9615	SLU 22	6415	3562	26619	2.5	182.13	Si
420	2X/2Y ø6/24.8	723	-11233	SLU 36	6625	3562	26837	2.5	9.16	-35	-9764	SLU 22	6434	3562	26639	2.5	182.68	Si
350	2X/2Y ø6/23.9	123	-25221	SLU 36	9705	4223	36049	2.5	79.15	112	-23773	SLU 35	9514	4223	35850	2.5	85.21	Si
319	2X/2Y ø6/23.9	123	-25419	SLU 36	9732	4223	36076	2.5	79.36	112	-23971	SLU 35	9540	4223	35877	2.5	85.45	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	4146	-9260	SLV 13	6368	3562	26571	2.5	1.54	-559	-4783	SLV 7	5786	3562	25969	2.5	10.35	Si
741	2X/2Y ø6/24.8	4146	-9374	SLV 13	6383	3562	26587	2.5	1.54	-559	-4898	SLV 7	5801	3562	25984	2.5	10.38	Si
712	2X/2Y ø6/24.8	4146	-9491	SLV 13	6398	3562	26603	2.5	1.54	-559	-5015	SLV 7	5816	3562	26000	2.5	10.4	Si
683	2X/2Y ø6/24.8	4146	-9608	SLV 13	6414	3562	26618	2.5	1.55	-559	-5131	SLV 7	5831	3562	26016	2.5	10.43	Si
653	2X/2Y ø6/24.8	4146	-9724	SLV 13	6429	3562	26634	2.5	1.55	-559	-5248	SLV 7	5846	3562	26031	2.5	10.46	Si
624	2X/2Y ø6/24.8	4146	-9841	SLV 13	6444	3562	26650	2.5	1.55	-559	-5365	SLV 7	5861	3562	26047	2.5	10.48	Si
595	2X/2Y ø6/24.8	4146	-9958	SLV 13	6459	3562	26665	2.5	1.56	-559	-5481	SLV 7	5877	3562	26063	2.5	10.51	Si
566	2X/2Y ø6/24.8	4146	-10074	SLV 13	6474	3562	26681	2.5	1.56	-559	-5598	SLV 7	5892	3562	26079	2.5	10.54	Si
537	2X/2Y ø6/24.8	4146	-10191	SLV 13	6490	3562	26697	2.5	1.57	-559	-5715	SLV 7	5907	3562	26094	2.5	10.57	Si

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
508	2X/2Y ø6/24.8	4146	-10308	SLV 13	6505	3562	26713	2.5	1.57	-559	-5831	SLV 7	5922	3562	26110	2.5	10.59	Si
478	2X/2Y ø6/24.8	4146	-10424	SLV 13	6520	3562	26728	2.5	1.57	-559	-5948	SLV 7	5937	3562	26126	2.5	10.62	Si
449	2X/2Y ø6/24.8	4146	-10541	SLV 13	6535	3562	26744	2.5	1.58	-559	-6065	SLV 7	5953	3562	26141	2.5	10.65	Si
420	2X/2Y ø6/24.8	4146	-10656	SLV 13	6550	3562	26759	2.5	1.58	-559	-6179	SLV 7	5967	3562	26157	2.5	10.67	Si
350	2X/2Y ø6/23.9	-3003	-12471	SLV 1	8018	4223	34303	2.5	2.67	652	-10921	SLV 7	7813	4223	34091	2.5	11.99	Si
319	2X/2Y ø6/23.9	-3003	-12624	SLV 1	8038	4223	34324	2.5	2.68	652	-11073	SLV 7	7833	4223	34112	2.5	12.02	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	1724	-7522	SLD 13	6142	3562	26338	2.5	3.56	-209	-5950	SLD 7	5938	3562	26126	2.5	28.45	Si
741	2X/2Y ø6/24.8	1724	-7637	SLD 13	6157	3562	26353	2.5	3.57	-209	-6065	SLD 7	5953	3562	26141	2.5	28.52	Si
712	2X/2Y ø6/24.8	1724	-7753	SLD 13	6172	3562	26369	2.5	3.58	-209	-6182	SLD 7	5968	3562	26157	2.5	28.6	Si
683	2X/2Y ø6/24.8	1724	-7870	SLD 13	6188	3562	26384	2.5	3.59	-209	-6298	SLD 7	5983	3562	26173	2.5	28.67	Si
653	2X/2Y ø6/24.8	1724	-7987	SLD 13	6203	3562	26400	2.5	3.6	-209	-6415	SLD 7	5998	3562	26189	2.5	28.74	Si
624	2X/2Y ø6/24.8	1724	-8103	SLD 13	6218	3562	26416	2.5	3.61	-209	-6532	SLD 7	6013	3562	26204	2.5	28.82	Si
595	2X/2Y ø6/24.8	1724	-8220	SLD 13	6233	3562	26432	2.5	3.62	-209	-6648	SLD 7	6029	3562	26220	2.5	28.89	Si
566	2X/2Y ø6/24.8	1724	-8337	SLD 13	6248	3562	26447	2.5	3.62	-209	-6765	SLD 7	6044	3562	26236	2.5	28.96	Si
537	2X/2Y ø6/24.8	1724	-8453	SLD 13	6263	3562	26463	2.5	3.63	-209	-6882	SLD 7	6059	3562	26251	2.5	29.03	Si
508	2X/2Y ø6/24.8	1724	-8570	SLD 13	6279	3562	26479	2.5	3.64	-209	-6998	SLD 7	6074	3562	26267	2.5	29.11	Si
478	2X/2Y ø6/24.8	1724	-8687	SLD 13	6294	3562	26494	2.5	3.65	-209	-7115	SLD 7	6089	3562	26283	2.5	29.18	Si
449	2X/2Y ø6/24.8	1724	-8803	SLD 13	6309	3562	26510	2.5	3.66	-209	-7232	SLD 7	6104	3562	26298	2.5	29.25	Si
420	2X/2Y ø6/24.8	1724	-8918	SLD 13	6324	3562	26526	2.5	3.67	-209	-7346	SLD 7	6119	3562	26314	2.5	29.32	Si
350	2X/2Y ø6/23.9	1165	-20404	SLD 15	9068	4223	35389	2.5	7.78	278	-15736	SLD 7	8450	4223	34750	2.5	30.34	Si
319	2X/2Y ø6/23.9	1165	-20556	SLD 15	9088	4223	35410	2.5	7.8	278	-15888	SLD 7	8470	4223	34771	2.5	30.42	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	1.578	2329	1.626	0.561	1.542	SLV 3	Si
741	1.582	2344	1.63	0.562	1.546	SLV 3	Si
712	1.586	2360	1.634	0.564	1.549	SLV 3	Si
683	1.588	2368	1.637	0.564	1.551	SLV 3	Si
653	1.592	2383	1.641	0.566	1.555	SLV 3	Si
624	1.596	2399	1.645	0.567	1.558	SLV 3	Si
595	1.6	2415	1.65	0.568	1.562	SLV 3	Si
566	1.604	2430	1.654	0.57	1.565	SLV 3	Si
537	1.607	2446	1.659	0.571	1.569	SLV 3	Si
508	1.609	2454	1.661	0.572	1.571	SLV 3	Si
478	1.613	2470	1.665	0.573	1.574	SLV 3	Si
449	1.617	2474	1.666	0.573	1.575	SLV 3	Si
420	1.621	2474	1.666	0.573	1.575	SLV 3	Si
350	2.271	2474	1.666	0.573	1.575	SLV 3	Si
319	2.271	2474	1.666	0.573	1.575	SLV 3	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	4.493	2474	4.193	0.591	4.185	SLD 3	Si
741	4.507	2474	4.193	0.592	4.198	SLD 3	Si
712	4.514	2474	4.193	0.593	4.203	SLD 3	Si
683	4.527	2474	4.193	0.595	4.215	SLD 3	Si
653	4.541	2474	4.193	0.597	4.228	SLD 3	Si
624	4.548	2474	4.193	0.597	4.233	SLD 3	Si
595	4.562	2474	4.193	0.599	4.246	SLD 3	Si
566	4.568	2474	4.193	0.6	4.251	SLD 3	Si
537	4.582	2474	4.193	0.602	4.263	SLD 3	Si
508	4.589	2474	4.193	0.603	4.27	SLD 3	Si
478	4.603	2474	4.193	0.603	4.276	SLD 3	Si
449	4.609	2474	4.193	0.603	4.276	SLD 3	Si
420	4.623	2474	4.193	0.603	4.276	SLD 3	Si
350	6.469	2474	4.193	0.603	4.276	SLD 3	Si
319	6.469	2474	4.193	0.603	4.276	SLD 3	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 29A

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-60	R 30x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
-10	370	R 30x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.7	-14.7	1.8	2.540	-542	-500	R 30x40	FeB 32k liscio LC1
p.1	9.7	-14.7	1.8	2.540	-542	-500	R 30x40	FeB 32k liscio LC1
p.1	9.7	14.7	1.8	2.540	-542	-500	R 30x40	FeB 32k liscio LC1
p.1	-9.7	14.7	1.8	2.540	-542	-500	R 30x40	FeB 32k liscio LC1
p.2	-9.7	-14.7	1.8	2.540	-500	-10	R 30x40	FeB 32k liscio LC1
p.2	9.7	-14.7	1.8	2.540	-500	-10	R 30x40	FeB 32k liscio LC1
p.2	9.7	14.7	1.8	2.540	-500	-10	R 30x40	FeB 32k liscio LC1
p.2	-9.7	14.7	1.8	2.540	-500	-10	R 30x40	FeB 32k liscio LC1
p.3	-9.7	-14.7	1.8	2.540	-10	370	R 30x40	FeB 32k liscio LC1
p.3	9.7	-14.7	1.8	2.540	-10	370	R 30x40	FeB 32k liscio LC1

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.3	9.7	14.7	1.8	2.540	-10	370	R 30x40	FeB 32k liscio LC1
p.3	-9.7	14.7	1.8	2.540	-10	370	R 30x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	3	0	2,3	-295940	298393	-11804	-502308	506471	SLU 29	1.697	Si
370	18.1	1.5	0	3	282641	-270849	-10326	514171	-492719	SLU 29	1.819	Si
-500	18.1	3	0	1,2	-351164	290820	-31869	-639989	530013	SLU 29	1.822	Si
19	18.1	3	0	2,3	-251497	254667	-11690	-511945	518398	SLU 29	2.036	Si
-471	18.1	3	0	1,2	-310174	255515	-31757	-650243	535657	SLU 29	2.096	Si
341	18.1	1.5	0	3	238781	-227697	-10438	529408	-504833	SLU 29	2.217	Si
-60	18.1	1.5	0	2	272926	-246713	-30157	618644	-559227	SLU 29	2.267	Si
-441	18.1	3	0	1,2	-268474	219598	-31642	-655727	536352	SLU 29	1.842	Si
48	18.1	3	0	2,3	-207456	211337	-11578	-520833	530576	SLU 29	2.511	Si
-89	18.1	1.5	0	2	231936	-211408	-30269	617541	-562885	SLU 29	2.663	Si
312	18.1	1.5	0	3	194157	-183793	-10552	545624	-516499	SLU 29	2.81	Si
-412	18.1	1.5	0	2	-226899	183518	-31724	-652149	527463	SLU 30	2.874	Si
-119	18.1	1.5	0	2	189742	-174900	-30580	597707	-550954	SLU 30	3.15	Si
78	18.1	1.5	0	3	-162832	167434	-11464	-535054	550174	SLU 29	3.286	Si
-383	18.1	1.5	0	2	-185235	147676	-31610	-613879	489406	SLU 30	3.314	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	3	0	2,3	1389613	356401	7681	529449	135790	SLV 5	0.381				No
19	18.1	3	0	2,3	1195959	304700	7768	522540	133130	SLV 5	0.437				No
370	18.1	1.5	0	3	-1131938	-448065	8818	-508643	-201340	SLV 5	0.449				No
48	18.1	3	0	2,3	1004073	253349	7855	513367	129533	SLV 5	0.511				No
341	18.1	1.5	0	3	-940830	-378097	8732	-499033	-200549	SLV 5	0.53				No
78	18.1	1.5	0	3	809661	201091	7942	500284	124253	SLV 5	0.618				No
312	18.1	1.5	0	3	-746406	-306994	8644	-484519	-199281	SLV 5	0.649				No
107	18.1	1.5	0	3	586989	-24605	11067	450539	-18886	SLV 9	0.768				No
282	18.1	1.5	0	3	-552004	-236035	8556	-461413	-197299	SLV 5	0.836				No
-500	18.1	3	0	1,2	36574	404629	2306	35167	389063	SLV 5	0.962				No
136	18.1	1.5	0	3	421006	-18511	11155	413541	-18183	SLV 9	0.982				No
-471	18.1	3	0	1,2	32918	355792	2392	35649	385310	SLV 5	1.083				Si
-60	18.1	1.5	0	2	-19056	-338987	3623	-20903	-371834	SLV 5	1.097				Si
253	18.1	1.5	0	3	-328458	-37678	11505	-378638	-43434	SLV 9	1.153				Si
-441	18.1	3	0	1,2	29199	306108	2480	36283	380376	SLV 5	1.243				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	3	0	2,3	-873309	330789	-16898	-716597	271430	SLD 7	0.821	No
19	18.1	3	0	2,3	-748768	281972	-16811	-742142	279476	SLD 7	0.991	No
370	18.1	1.5	0	3	747773	-246575	-15761	751147	-247688	SLD 7	1.005	Si
48	18.1	3	0	2,3	-625354	233652	-16724	-776061	289960	SLD 7	1.241	Si
341	18.1	1.5	0	3	-26221	-399899	-7276	-32893	-501657	SLD 1	1.254	Si
78	18.1	1.5	0	3	-500298	184791	-16637	-822363	303750	SLD 7	1.644	Si
312	18.1	1.5	0	3	-18888	-322824	-7363	-31050	-530692	SLD 1	1.644	Si
-500	18.1	3	0	1,2	-240188	288076	-21938	-496326	595283	SLD 1	2.066	Si
107	18.1	1.5	0	3	-377687	136148	-16549	-874312	315170	SLD 7	2.315	Si
282	18.1	1.5	0	3	-11587	-245769	-7451	-27609	-585635	SLD 1	2.383	Si
-471	18.1	3	0	1,2	-284470	217739	-29017	-678508	519345	SLD 3	2.385	Si
-60	18.1	1.5	0	2	98147	-248456	-10438	253164	-640872	SLD 5	2.579	Si
-441	18.1	3	0	1,2	-246612	188159	-28929	-681007	519591	SLD 3	2.761	Si
-412	18.1	1.5	0	2	-255800	102009	-35378	-777153	309915	SLD 7	3.038	Si
-89	18.1	1.5	0	2	253010	-108428	-34410	776870	-332930	SLD 7	3.071	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.334	68	0.382	0.127	0.349	SLV 7	No
19	0.438	116	0.475	0.166	0.455	SLV 7	No
370	0.445	120	0.482	0.168	0.462	SLV 7	No
48	0.588	215	0.612	0.22	0.605	SLV 7	No
341	0.598	223	0.621	0.224	0.614	SLV 1	No
78	0.692	307	0.708	0.257	0.705	SLV 5	No
312	0.717	331	0.73	0.265	0.728	SLV 5	No
107	0.817	441	0.822	0.3	0.824	SLV 9	No
282	0.875	515	0.876	0.32	0.879	SLV 5	No
-500	0.963	649	0.963	0.351	0.964	SLV 5	No
136	0.986	688	0.986	0.359	0.987	SLV 9	No
-471	1.074	847	1.074	0.39	1.071	SLV 5	Si
-60	1.086	870	1.086	0.394	1.083	SLV 5	Si
253	1.111	920	1.111	0.403	1.107	SLV 9	Si
-441	1.199	1120	1.204	0.433	1.19	SLV 5	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.754	48	0.833	0.107	0.755	SLD 7	No
19	0.988	80	1.027	0.139	0.984	SLD 7	Si
370	1.008	84	1.048	0.142	1.004	SLD 7	Si
48	1.328	147	1.318	0.185	1.313	SLD 7	Si
341	1.35	153	1.34	0.189	1.337	SLD 1	Si
78	1.563	207	1.516	0.217	1.535	SLD 5	Si
312	1.619	225	1.569	0.224	1.591	SLD 5	Si
-500	2.178	429	2.044	0.296	2.1	SLD 5	Si
107	1.848	299	1.763	0.254	1.799	SLD 9	Si
282	1.977	348	1.876	0.271	1.919	SLD 5	Si
-471	1.827	550	2.263	0.328	2.327	SLD 5	Si
-60	1.856	566	2.29	0.332	2.354	SLD 5	Si
-441	2.711	718	2.525	0.365	2.589	SLD 5	Si
-412	3.027	940	2.82	0.406	2.879	SLD 5	Si
-89	2.752	745	2.563	0.371	2.626	SLD 5	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
370	2X/2Y ø6/23.8	-1502	-10326	SLU 29	5400	2642	19346	2.5	3.6	1527	-10326	SLU 29	5216	3712	20384	2.5	3.42	Si
341	2X/2Y ø6/23.8	-1502	-10438	SLU 29	5414	2642	19360	2.5	3.6	1527	-10438	SLU 29	5231	3712	20399	2.5	3.43	Si
312	2X/2Y ø6/23.8	-1502	-10552	SLU 29	5428	2642	19375	2.5	3.61	1527	-10552	SLU 29	5246	3712	20414	2.5	3.44	Si
282	2X/2Y ø6/23.8	-1502	-10666	SLU 29	5442	2642	19389	2.5	3.62	1527	-10666	SLU 29	5260	3712	20429	2.5	3.45	Si
253	2X/2Y ø6/23.8	-1502	-10780	SLU 29	5456	2642	19404	2.5	3.63	1527	-10780	SLU 29	5275	3712	20445	2.5	3.46	Si
224	2X/2Y ø6/23.8	-1502	-10894	SLU 29	5470	2642	19418	2.5	3.64	1527	-10894	SLU 29	5290	3712	20460	2.5	3.47	Si
195	2X/2Y ø6/23.8	-1502	-11008	SLU 29	5484	2642	19433	2.5	3.65	1527	-11008	SLU 29	5305	3712	20476	2.5	3.47	Si
165	2X/2Y ø6/23.8	-1502	-11122	SLU 29	5498	2642	19448	2.5	3.66	1527	-11122	SLU 29	5320	3712	20491	2.5	3.48	Si
136	2X/2Y ø6/23.8	-1502	-11236	SLU 29	5512	2642	19462	2.5	3.67	1527	-11236	SLU 29	5335	3712	20506	2.5	3.49	Si
107	2X/2Y ø6/23.8	-1502	-11350	SLU 29	5527	2642	19477	2.5	3.68	1527	-11350	SLU 29	5349	3712	20522	2.5	3.5	Si
78	2X/2Y ø6/23.8	-1502	-11464	SLU 29	5541	2642	19491	2.5	3.69	1527	-11464	SLU 29	5364	3712	20537	2.5	3.51	Si
48	2X/2Y ø6/23.8	-1502	-11578	SLU 29	5555	2642	19506	2.5	3.7	1527	-11578	SLU 29	5379	3712	20552	2.5	3.52	Si
19	2X/2Y ø6/23.8	-1502	-11690	SLU 29	5569	2642	19520	2.5	3.71	1527	-11690	SLU 29	5394	3712	20567	2.5	3.53	Si
-10	2X/2Y ø6/23.8	-1502	-11804	SLU 29	5583	2642	19535	2.5	3.72	1527	-11804	SLU 29	5409	3712	20583	2.5	3.54	Si
-500	2X/2Y ø6/24.4	-1224	-31869	SLU 29	7610	2567	22098	2.5	6.22	1422	-31869	SLU 29	7545	3606	23284	2.5	5.31	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
370	2X/2Y ø6/23.8	-5523	-7005	SLV 1	4990	2642	18922	2.5	0.9	-8656	13006	SLV 5	3873	3712	18994	2.5	0.45	No
312	2X/2Y ø6/23.8	-5523	-7179	SLV 1	5011	2642	18944	2.5	0.91	-8656	12832	SLV 5	3873	3712	18994	2.5	0.45	No
282	2X/2Y ø6/23.8	-5523	-7266	SLV 1	5022	2642	18955	2.5	0.91	-8656	12744	SLV 5	3873	3712	18994	2.5	0.45	No
253	2X/2Y ø6/23.8	-5523	-7354	SLV 1	5033	2642	18966	2.5	0.91	-8656	12656	SLV 5	3873	3712	18994	2.5	0.45	No
224	2X/2Y ø6/23.8	-5523	-7442	SLV 1	5044	2642	18977	2.5	0.91	-8656	12569	SLV 5	3873	3712	18994	2.5	0.45	No
341	2X/2Y ø6/23.8	-5523	-7091	SLV 1	5001	2642	18933	2.5	0.91	-8656	12919	SLV 5	3873	3712	18994	2.5	0.45	No
195	2X/2Y ø6/23.8	-5523	-7529	SLV 1	5055	2642	18989	2.5	0.92	-8656	12481	SLV 5	3873	3712	18994	2.5	0.45	No
165	2X/2Y ø6/23.8	-5523	-7617	SLV 1	5066	2642	19000	2.5	0.92	-8656	12393	SLV 5	3873	3712	18994	2.5	0.45	No
136	2X/2Y ø6/23.8	-5523	-7705	SLV 1	5076	2642	19011	2.5	0.92	-8656	12306	SLV 5	3873	3712	18994	2.5	0.45	No
107	2X/2Y ø6/23.8	-5523	-7792	SLV 1	5087	2642	19022	2.5	0.92	-8656	12218	SLV 5	3873	3712	18994	2.5	0.45	No
78	2X/2Y ø6/23.8	-5523	-7880	SLV 1	5098	2642	19033	2.5	0.92	-8656	12130	SLV 5	3873	3712	18994	2.5	0.45	No
48	2X/2Y ø6/23.8	-5523	-7968	SLV 1	5109	2642	19045	2.5	0.92	-8656	12042	SLV 5	3873	3712	18994	2.5	0.45	No
19	2X/2Y ø6/23.8	-5523	-8054	SLV 1	5120	2642	19056	2.5	0.93	-8656	11956	SLV 5	3873	3712	18994	2.5	0.45	No
-10	2X/2Y ø6/23.8	-5523	-8142	SLV 1	5130	2642	19067	2.5	0.93	-8656	11869	SLV 5	3873	3712	18994	2.5	0.45	No
-60	2X/2Y ø6/24.4	-1905	10181	SLV 5	4125	2567	18027	2.5	2.17	2641	-57829	SLV 7	7545	3606	23742	2.5	2.86	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
370	2X/2Y ø6/23.8	-2638	-7189	SLD 1	5013	2642	18945	2.5	1.9	4465	-14417	SLD 11	5749	3712	20934	2.5	1.29	Si
341	2X/2Y ø6/23.8	-2638	-7276	SLD 1	5023	2642	18956	2.5	1.9	4465	-14503	SLD 11	5760	3712	20946	2.5	1.29	Si
312	2X/2Y ø6/23.8	-2638	-7363	SLD 1	5034	2642	18967	2.5	1.91	4465	-14591	SLD 11	5771	3712	20958	2.5	1.29	Si
282	2X/2Y ø6/23.8	-2638	-7451	SLD 1	5045	2642	18979	2.5	1.91	4465	-14679	SLD 11	5783	3712	20970	2.5	1.3	Si
253	2X/2Y ø6/23.8	-2638	-7539	SLD 1	5056	2642	18990	2.5	1.92	4465	-14766	SLD 11	5794	3712	20982	2.5	1.3	Si
224	2X/2Y ø6/23.8	-2638	-7626	SLD 1	5067	2642	19001	2.5	1.92	4465	-14854	SLD 11	5805	3712	20993	2.5	1.3	Si
195	2X/2Y ø6/23.8	-2638	-7714	SLD 1	5078	2642	19012	2.5	1.92	4465	-14942	SLD 11	5817	3712	21005	2.5	1.3	Si
165	2X/2Y ø6/23.8	-2638	-7802	SLD 1	5088	2642	19023	2.5	1.93	4465	-15030	SLD 11	5828	3712	21017	2.5	1.31	Si
136	2X/2Y ø6/23.8	-2638	-7889	SLD 1	5099	2642	19035	2.5	1.93	4465	-15117	SLD 11	5840	3712	21029	2.5	1.31	Si
107	2X/2Y ø6/23.8	-2638	-7977	SLD 1	5110	2642	19046	2.5	1.94	4465	-15205	SLD 11	5851	3712	21041	2.5	1.31	Si
78	2X/2Y ø6/23.8	-2638	-8065	SLD 1	5121	2642	19057	2.5	1.94	4465	-15293	SLD 11	5863	3712	21052	2.5	1.31	Si
48	2X/2Y ø6/23.8	-2638	-8152	SLD 1	5132	2642	19068	2.5	1.95	4465	-15380	SLD 11	5874	3712	21064	2.5	1.32	Si
19	2X/2Y ø6/23.8	-2638	-8239	SLD 1	5142	2642	19079	2.5	1.95	4465	-15467	SLD 11	5885	3712	21076	2.5	1.32	Si
-10	2X/2Y ø6/23.8	-2638	-8326	SLD 1	5153	2642	19091	2.5	1.95	4465	-15554	SLD 11	5897	3712	21088	2.5	1.32	Si
-60	2X/2Y ø6/24.4	-1242	-10438	SLD 5	5414	2567	19360	2.5	4.36	1577	-34324	SLD 7	8339	3606	23614	2.5	5.29	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
370	0.507	157	0.538	0.191	0.524	SLV 5	No
312	0.507	157	0.538	0.191	0.524	SLV 5	No
282	0.507	157	0.538	0.191	0.524	SLV 5	No
253	0.507	157	0.538	0.191	0.524	SLV 5	No
224	0.507	157	0.538	0.191	0.524	SLV 5	No
341	0.507	157	0.538	0.191	0.524	SLV 5	No
195	0.507	157	0.538	0.191	0.524	SLV 5	No
165	0.507	157	0.538	0.191	0.524	SLV 5	No
136	0.507	157	0.538	0.191	0.524	SLV 5	No
107	0.507	157	0.538	0.191	0.524	SLV 5	No
78	0.507	157	0.538	0.191	0.524	SLV 5	No
48	0.507	157	0.538	0.191	0.524	SLV 5	No
19	0.507	157	0.538	0.191	0.524	SLV 5	No
-10	0.507	157	0.538	0.191	0.524	SLV 5	No
-60	1.648	2474	1.666	0.573	1.575	SLV 5	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
370	1.445	175	1.415	0.201	1.423	SLD 5	Si
341	1.445	175	1.415	0.201	1.423	SLD 5	Si
312	1.445	175	1.415	0.201	1.423	SLD 5	Si
282	1.445	175	1.415	0.201	1.423	SLD 5	Si
253	1.445	175	1.415	0.201	1.423	SLD 5	Si
224	1.445	175	1.415	0.201	1.423	SLD 5	Si
195	1.445	175	1.415	0.201	1.423	SLD 5	Si
165	1.445	175	1.415	0.201	1.423	SLD 5	Si
136	1.445	175	1.415	0.201	1.423	SLD 5	Si
107	1.445	175	1.415	0.201	1.423	SLD 5	Si
78	1.445	175	1.415	0.201	1.423	SLD 5	Si
48	1.445	175	1.415	0.201	1.423	SLD 5	Si
19	1.445	175	1.415	0.201	1.423	SLD 5	Si
-10	1.445	175	1.415	0.201	1.423	SLD 5	Si
-60	4.691	2474	4.193	0.603	4.276	SLD 5	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 29B

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-60	R 30x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
-10	350	R 30x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.7	-14.7	1.8	2.540	-545	-500	R 30x40	FeB 32k liscio LC1
p.1	9.7	-14.7	1.8	2.540	-545	-500	R 30x40	FeB 32k liscio LC1
p.1	9.7	14.7	1.8	2.540	-545	-500	R 30x40	FeB 32k liscio LC1
p.1	-9.7	14.7	1.8	2.540	-545	-500	R 30x40	FeB 32k liscio LC1
p.2	-9.7	-14.7	1.8	2.540	-500	-10	R 30x40	FeB 32k liscio LC1
p.2	9.7	-14.7	1.8	2.540	-500	-10	R 30x40	FeB 32k liscio LC1
p.2	9.7	14.7	1.8	2.540	-500	-10	R 30x40	FeB 32k liscio LC1
p.2	-9.7	14.7	1.8	2.540	-500	-10	R 30x40	FeB 32k liscio LC1
p.3	-9.7	-14.7	1.8	2.540	-10	350	R 30x40	FeB 32k liscio LC1
p.3	9.7	-14.7	1.8	2.540	-10	350	R 30x40	FeB 32k liscio LC1
p.3	9.7	14.7	1.8	2.540	-10	350	R 30x40	FeB 32k liscio LC1
p.3	-9.7	14.7	1.8	2.540	-10	350	R 30x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	3	0	1,2	-146467	246344	-77782	-250180	420781	SLU 30	1.708	Si
-471	18.1	3	0	1,2	39470	-199257	-77667	72129	-364134	SLU 30	1.827	Si
-441	18.1	3	0	1,2	10666	-100651	-71972	22084	-208392	SLU 30	2.07	Si
-412	18.1	1.5	0	2	-11867	-12026	-66932	-26420	-26775	SLU 30	2.226	Si
-383	18.1	1.5	0	2	-27164	53081	-62662	-64597	126227	SLU 30	2.378	Si
-353	18.1	1.5	0	2	-40507	106175	-59060	-102201	267888	SLU 30	2.523	Si
-324	18.1	1.5	0	2	50812	-99701	-58945	128451	-252043	SLU 30	2.528	Si
-295	18.1	1.5	0	2	36397	-39488	-55686	97396	-105668	SLU 30	2.676	Si
-265	18.1	1.5	0	2	26376	18919	-52546	74800	53653	SLU 30	2.836	Si
-236	18.1	1.5	0	2	23541	66799	-49534	70819	200953	SLU 30	3.008	Si
-60	18.1	1.5	0	2	215585	-107678	-38347	660758	-330028	SLU 30	3.065	Si
-207	18.1	1.5	0	2	24742	111238	-46547	76525	344050	SLU 30	3.093	Si
-177	18.1	1.5	0	2	108027	-73283	-46432	343138	-232777	SLU 30	3.176	Si
-148	18.1	1.5	0	2	101674	-15252	-43697	346724	-52010	SLU 30	3.41	Si
-119	18.1	1.5	0	2	101885	32611	-41122	369193	118172	SLU 30	3.624	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-60	18.1	1.5	0	2	1007146	-85166	792	570296	-48225	SLV 5	0.566				No
350	18.1	1.5	0	3	945186	-83985	-2609	601369	-53435	SLV 11	0.636				No
-10	18.1	3	0	2,3	-879642	434029	-5807	-590726	291474	SLV 7	0.672				No
320	18.1	1.5	0	3	795860	-64186	-2697	607374	-48985	SLV 11	0.763				No
20	18.1	3	0	2,3	-733754	373015	-5720	-594195	302068	SLV 7	0.81				No
-89	18.1	1.5	0	2	635104	276868	707	549958	239749	SLV 5	0.866				No
290	18.1	1.5	0	3	644043	-46292	-2787	616495	-44312	SLV 11	0.957				No
50	18.1	3	0	2,3	-582805	309361	-5628	-600344	318671	SLV 7	1.03				Si
260	18.1	1.5	0	3	492286	-21114	-2877	632010	-27107	SLV 11	1.284				Si
-119	18.1	1.5	0	2	485958	142595	-4828	659175	193422	SLV 5	1.356				Si
80	18.1	1.5	0	3	-435726	246564	-5538	-605964	342897	SLV 7	1.391				Si
-500	18.1	3	0	1,2	-149728	352261	-73637	-236295	555925	SLV 1	1.578				Si
-471	18.1	3	0	1,2	104975	-230846	-73549	191322	-420727	SLV 1	1.823				Si
230	18.1	1.5	0	3	340619	10537	-2967	662811	20503	SLV 11	1.946				Si
110	18.1	1.5	0	3	-290617	183840	-5448	-610804	386384	SLV 7	2.102				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	3	0	2,3	-442811	245870	-9918	-660595	366795	SLD 7	1.492	Si
-60	18.1	1.5	0	2	529386	-82359	-14392	896382	-139454	SLD 5	1.693	Si
350	18.1	1.5	0	3	356840	-217601	-8841	641636	-391269	SLD 7	1.798	Si
20	18.1	3	0	2,3	-375438	208453	-9831	-676266	375480	SLD 7	1.801	Si
-500	18.1	3	0	1,2	-119274	256410	-63443	-232532	499886	SLD 1	1.95	Si
320	18.1	1.5	0	3	-408344	-137453	-16384	-880356	-296337	SLD 5	2.156	Si
-471	18.1	3	0	1,2	67744	-182071	-63354	147189	-395588	SLD 1	2.173	Si
50	18.1	3	0	2,3	-305703	169412	-9739	-697240	386391	SLD 7	2.281	Si
-89	18.1	1.5	0	2	322950	152561	-14477	784810	370744	SLD 5	1.83	Si
-441	18.1	3	0	1,2	26357	-80303	-59357	66169	-201596	SLD 3	2.51	Si
290	18.1	1.5	0	3	-348664	-117595	-16474	-904435	-305042	SLD 5	2.594	Si
-412	18.1	1.5	0	2	3103	-4447	-54994	8408	-12050	SLD 3	2.71	Si
-383	18.1	1.5	0	2	-13676	51298	-51296	-39728	149019	SLD 3	2.905	Si
80	18.1	1.5	0	3	-237718	130888	-9649	-719865	396360	SLD 7	3.028	Si
-353	18.1	1.5	0	2	-52585	54672	-48579	-161302	167703	SLD 7	3.067	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-60	0.649	267	0.669	0.242	0.664	SLV 5	No
350	0.704	318	0.719	0.26	0.716	SLV 11	No
-10	0.674	289	0.691	0.25	0.687	SLV 7	No
320	0.816	439	0.82	0.299	0.823	SLV 11	No
20	0.814	437	0.819	0.299	0.821	SLV 7	No
-89	0.902	555	0.903	0.33	0.906	SLV 5	No
290	0.969	659	0.969	0.353	0.97	SLV 11	No
50	1.029	763	1.029	0.374	1.028	SLV 7	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
260	1.188	1092	1.192	0.429	1.179	SLV 11	Si
-119	1.204	1133	1.21	0.435	1.195	SLV 5	Si
80	1.359	1562	1.38	0.487	1.339	SLV 7	Si
-500	2.664	2474	1.666	0.573	1.575	SLV 1	Si
-471	3.813	2474	1.666	0.573	1.575	SLV 1	Si
230	1.523	2119	1.564	0.543	1.491	SLV 11	Si
110	1.93	2474	1.666	0.573	1.575	SLV 7	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	1.523	196	1.483	0.212	1.5	SLD 7	Si
-60	1.467	181	1.435	0.204	1.444	SLD 5	Si
350	1.592	216	1.543	0.221	1.565	SLD 11	Si
20	1.844	298	1.761	0.253	1.796	SLD 7	Si
-500	6.031	2474	4.193	0.603	4.276	SLD 1	Si
320	1.844	298	1.761	0.253	1.796	SLD 11	Si
-471	8.617	2474	4.193	0.603	4.276	SLD 1	Si
50	2.324	496	2.17	0.315	2.233	SLD 7	Si
-89	2.04	372	1.928	0.279	1.977	SLD 5	Si
-441	10.016	2474	4.193	0.603	4.276	SLD 13	Si
290	2.189	434	2.054	0.298	2.112	SLD 11	Si
-412	10.595	2474	4.193	0.603	4.276	SLD 13	Si
-383	10.258	2474	4.193	0.603	4.276	SLD 9	Si
80	3.074	977	2.865	0.412	2.922	SLD 7	Si
-353	8.061	2474	4.193	0.603	4.276	SLD 9	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-500	2X/2Y ø6/24.4	-15056	-77782	SLU 30	7610	2567	20224	2.5	0.51	6282	-77782	SLU 30	7545	3606	21308	2.5	1.2	No
-471	2X/2Y ø6/24.4	-15056	-77669	SLU 30	7610	2567	20260	2.5	0.51	6282	-77669	SLU 30	7545	3606	21346	2.5	1.2	No
-441	2X/2Y ø6/24.4	-12435	-71972	SLU 30	7610	2567	22079	2.5	0.61	5313	-71972	SLU 30	7545	3606	23264	2.5	1.42	No
-412	2X/2Y ø6/24.4	-10292	-66932	SLU 30	7610	2567	22533	2.5	0.74	4451	-66932	SLU 30	7545	3606	23742	2.5	1.69	No
-383	2X/2Y ø6/24.4	-8054	-62662	SLU 30	7610	2567	22533	2.5	0.94	3538	-62662	SLU 30	7545	3606	23742	2.5	2.13	No
-236	2X/2Y ø6/24.4	-7115	-49534	SLU 30	7610	2567	22533	2.5	1.07	3168	-49534	SLU 30	7545	3606	23742	2.5	2.38	Si
-353	2X/2Y ø6/24.4	-7006	-59060	SLU 30	7610	2567	22533	2.5	1.09	3107	-59060	SLU 30	7545	3606	23742	2.5	1.83	Si
-324	2X/2Y ø6/24.4	-7006	-58945	SLU 30	7610	2567	22533	2.5	1.09	3107	-58945	SLU 30	7545	3606	23742	2.5	1.83	Si
-295	2X/2Y ø6/24.4	-6784	-55686	SLU 30	7610	2567	22533	2.5	1.12	3020	-55686	SLU 30	7545	3606	23742	2.5	2.5	Si
-265	2X/2Y ø6/24.4	-6765	-52546	SLU 30	7610	2567	22533	2.5	1.12	3021	-52546	SLU 30	7545	3606	23742	2.5	2.5	Si
-60	2X/2Y ø6/24.4	-6389	-38347	SLU 30	7610	2567	22533	2.5	1.19	3585	-38347	SLU 30	7545	3606	23742	2.5	2.1	Si
-89	2X/2Y ø6/24.4	-6389	-38458	SLU 30	7610	2567	22533	2.5	1.19	3585	-38458	SLU 30	7545	3606	23742	2.5	2.1	Si
-177	2X/2Y ø6/24.4	-6281	-46432	SLU 30	7610	2567	22533	2.5	1.21	2835	-46432	SLU 30	7545	3606	23742	2.5	2.66	Si
-207	2X/2Y ø6/24.4	-6281	-46547	SLU 30	7610	2567	22533	2.5	1.21	2835	-46547	SLU 30	7545	3606	23742	2.5	2.66	Si
-119	2X/2Y ø6/24.4	-5614	-41122	SLU 30	7610	2567	22533	2.5	1.36	2958	-41122	SLU 30	7545	3606	23742	2.5	2.55	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-89	2X/2Y ø6/24.4	-16087	11859	SLV 9	4125	2567	18027	2.5	0.26	15742	7788	SLV 5	3873	3606	18994	2.5	0.25	No
-60	2X/2Y ø6/24.4	-16087	11945	SLV 9	4125	2567	18027	2.5	0.26	15742	7874	SLV 5	3873	3606	18994	2.5	0.25	No
-119	2X/2Y ø6/24.4	-13305	5181	SLV 9	4125	2567	18027	2.5	0.31	11982	1330	SLV 5	3873	3606	18994	2.5	0.32	No
-500	2X/2Y ø6/24.4	-22335	-58129	SLV 5	7610	2567	22533	2.5	0.34	9970	-58129	SLV 5	7545	3606	23742	2.5	0.76	No
-471	2X/2Y ø6/24.4	-22335	-58042	SLV 5	7610	2567	22533	2.5	0.34	9970	-58042	SLV 5	7545	3606	23742	2.5	0.76	No
-148	2X/2Y ø6/24.4	-11084	-272	SLV 9	4158	2567	18061	2.5	0.38	7439	-272	SLV 9	3908	3606	19030	2.5	0.53	No
-441	2X/2Y ø6/24.4	-18957	-50586	SLV 5	7610	2567	22533	2.5	0.4	8739	-50586	SLV 5	7545	3606	23742	2.5	0.86	No
-177	2X/2Y ø6/24.4	-12015	-9544	SLV 5	5304	2567	19246	2.5	0.44	5611	-5127	SLV 9	4540	3606	19684	2.5	0.81	No
-207	2X/2Y ø6/24.4	-12015	-9632	SLV 5	5314	2567	19257	2.5	0.44	5611	-5216	SLV 9	4551	3606	19696	2.5	0.81	No
-412	2X/2Y ø6/24.4	-16421	-43029	SLV 5	7610	2567	22533	2.5	0.46	7749	-43029	SLV 5	7545	3606	23742	2.5	0.97	No
-236	2X/2Y ø6/24.4	-12227	-14991	SLV 5	5976	2567	19942	2.5	0.49	6301	-14991	SLV 5	5823	3606	21012	2.5	0.92	No
-383	2X/2Y ø6/24.4	-13615	-36238	SLV 5	7610	2567	22533	2.5	0.56	6634	-36238	SLV 5	7545	3606	23742	2.5	1.14	No
350	2X/2Y ø6/24	-3840	-13367	SLV 3	5776	2615	19735	2.5	1.5	6340	-141	SLV 11	3891	3673	19013	2.5	0.61	No
320	2X/2Y ø6/24	-3840	-13456	SLV 3	5787	2615	19746	2.5	1.51	6340	-230	SLV 11	3902	3673	19025	2.5	0.62	No
290	2X/2Y ø6/24	-3840	-13546	SLV 3	5798	2615	19757	2.5	1.51	6340	-320	SLV 11	3914	3673	19037	2.5	0.62	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-500	2X/2Y ø6/24.4	-14940	-56329	SLD 5	9353	2567	22533	2.5	0.63	6424	-56329	SLD 5	9381	3606	23742	2.5	1.46	No
-471	2X/2Y ø6/24.4	-14940	-56242	SLD 5	9353	2567	22533	2.5	0.63	6424	-56242	SLD 5	9381	3606	23742	2.5	1.46	No
-60	2X/2Y ø6/24.4	-8694	-12962	SLD 9	5726	2567	19683	2.5	0.66	7232	-14392	SLD 5	5745	3606	20931	2.5	0.79	No
-89	2X/2Y ø6/24.4	-8694	-13048	SLD 9	5736	2567	19694	2.5	0.66	7232	-14477	SLD 5	5756	3606	20943	2.5	0.8	No
-441	2X/2Y ø6/24.4	-12535	-50931	SLD 5	9353	2567	22533	2.5	0.75	5545	-50931	SLD 5	9381	3606	23742	2.5	1.69	No
-119	2X/2Y ø6/24.4	-7370	-16679	SLD 9	6185	2567	20158	2.5	0.84	5614	-18032	SLD 5	6219	3606	21421	2.5	1.11	No
-412	2X/2Y ø6/24.4	-10645	-45894	SLD 5	9353	2567	22533	2.5	0.88	4795	-45894	SLD 5	9381	3606	23742	2.5	1.96	No
-236	2X/2Y ø6/24.4	-7696	-27803	SLD 5	7558	2567	21579	2.5	0.98	3688	-27803	SLD 5	7490	3606	22736	2.5	2.03	No
-177	2X/2Y ø6/24.4	-7241	-24403	SLD 5	7139	2567	21144	2.5	0.99	3536	-24403	SLD 5	7048	3606	22279	2.5	1.99	No
-207	2X/2Y ø6/24.4	-7241	-24491	SLD 5	7150	2567	21156	2.5	0.99	3536	-24491	SLD 5	7059	3606	22291	2.5	2	No
-148	2X/2Y ø6/24.4	-6785	-21231	SLD 5	6747	2567	20739	2.5	0.99	4132	-21231	SLD 5	6635	3606	21852	2.5	1.61	No
-383	2X/2Y ø6/24.4	-8604	-41487	SLD 5	9248	2567	22533	2.5	1.07	3972	-41487	SLD 5	9271	3606	23742	2.5	2.33	Si
-265	2X/2Y ø6/24.4	-6930	-31004	SLD 5	7954	2567	21988	2.5	1.15	3347	-31004	SLD 5	7907	3606	23167	2.5	2.36	Si
-324	2X/2Y ø6/24.4	-7297	-37640	SLD 5	8773	2567	22533	2.5	1.2	3450	-37640	SLD 5	8770	3606	23742	2.5	2.54	Si
-353	2X/2Y ø6/24.4	-7297	-37727	SLD 5	8784	2567	22533	2.5	1.2	3450	-37727	SLD 5	8782	3606	23742	2.5	2.55	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
-89	0.168	17	0.216	0.061	0.168	SLV 9	No
-60	0.167	17	0.216	0.061	0.168	SLV 9	No
-119	0.262	43	0.316	0.1	0.275	SLV 9	No
-500	0	0	0	0	0	SLV 1	No
-471	0	0	0	0	0	SLV 1	No
-148	0.348	73	0.393	0.132	0.362	SLV 5	No
-441	0	0	0	0	0	SLV 1	No
-177	0.342	71	0.389	0.13	0.357	SLV 5	No
-207	0.342	71	0.389	0.13	0.357	SLV 5	No
-412	0.01	0	0	0	0	SLV 5	No
-236	0.336	69	0.384	0.128	0.352	SLV 5	No
-383	0.223	31	0.277	0.084	0.231	SLV 5	No
350	0.683	297	0.699	0.253	0.695	SLV 11	No
320	0.685	299	0.701	0.254	0.697	SLV 11	No
290	0.686	299	0.701	0.254	0.698	SLV 11	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
-500	0	0	0	0	0	SLD 1	No
-471	0	0	0	0	0	SLD 1	No
-60	0.477	18	0.557	0.065	0.457	SLD 9	No
-89	0.479	18	0.557	0.065	0.457	SLD 9	No
-441	0.086	0	0	0	0	SLD 5	No
-119	0.746	47	0.826	0.105	0.746	SLD 9	No
-412	0.586	28	0.668	0.081	0.572	SLD 5	No
-236	0.957	76	1.005	0.135	0.955	SLD 5	Si
-177	0.973	78	1.016	0.137	0.97	SLD 5	Si
-207	0.973	78	1.016	0.137	0.97	SLD 5	Si
-148	0.99	82	1.037	0.14	0.99	SLD 5	Si
-383	1.211	122	1.221	0.17	1.204	SLD 5	Si
-265	1.375	158	1.357	0.192	1.359	SLD 5	Si
-324	1.555	204	1.507	0.215	1.527	SLD 5	Si
-353	1.555	204	1.507	0.215	1.527	SLD 5	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 32

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-520691	599961	-53108	-1053401	1213769	SLU 30	2.023	Si
20	18.1	1.8	0	1,2,3,4	-461257	527084	-52916	-1063543	1215324	SLU 30	2.306	Si
50	18.1	1.8	0	1,2,3,4	-399221	451018	-52716	-1061840	1199607	SLU 30	2.66	Si
80	18.1	0.9	0	2,3,4	-337975	375920	-52519	-1028264	1143707	SLU 30	3.042	Si
110	18.1	0.9	0	2,3,4	-276730	300822	-52321	-947261	1029731	SLU 30	3.423	Si
350	18.1	0.9	0	2,3,4	212214	-298706	-50745	774686	-1090424	SLU 30	3.65	Si
140	18.1	0.9	0	2,3,4	-215484	225725	-52124	-824114	863279	SLU 30	3.824	Si
320	18.1	0.9	0	2,3,4	151989	-224860	-50939	616011	-911356	SLU 30	4.053	Si
170	18.1	0.9	0	2,3,4	-154239	150627	-51927	-656200	640836	SLU 30	4.254	Si
200	18.1	0.9	0	2,3,4	-93125	75691	-51730	-407963	331590	SLU 30	4.381	Si
230	18.1	0.9	0	2,3,4	-31747	432	-51532	-139614	1901	SLU 30	4.398	Si
260	18.1	0.9	0	2,3,4	29498	-74665	-51334	130221	-329614	SLU 30	4.415	Si
290	18.1	0.9	0	2,3,4	90744	-149763	-51137	402140	-663688	SLU 30	4.432	Si
770	18.1	1.1	0	5	-117254	-180909	-6739	-570563	-880308	SLU 29	4.866	Si
420	18.1	2.3	0	2,3,4,5	75997	213425	-11838	418555	1175444	SLU 35	5.508	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	2,3,4,5	-91166	1380730	-9905	-43755	662671	SLV 3	0.48				No
350	18.1	0.9	0	2,3,4	1865906	6028	-31534	977717	3158	SLV 11	0.524				No
449	18.1	2.3	0	2,3,4,5	-82885	1177747	-9791	-47524	675294	SLV 3	0.573				No
320	18.1	0.9	0	2,3,4	1685204	38330	-31683	1023158	23272	SLV 11	0.607				No
770	18.1	1.1	0	5	-483693	-1090734	-9262	-295580	-666536	SLV 1	0.611				No
478	18.1	2.3	0	2,3,4,5	-74457	971227	-9674	-53239	694457	SLV 3	0.715				No
290	18.1	0.9	0	2,3,4	1501454	71175	-31835	1086879	51523	SLV 11	0.724				No
741	18.1	1.1	0	5	-396094	-887761	-9377	-307165	-688444	SLV 1	0.775				No
260	18.1	0.9	0	2,3,4	1317723	104015	-31987	1177344	92934	SLV 11	0.893				No
508	18.1	1.1	0	5	-66028	764714	-9557	-62708	726269	SLV 3	0.95				No
712	18.1	1.1	0	5	-306971	-681261	-9493	-326445	-724480	SLV 1	1.063				Si
230	18.1	0.9	0	2,3,4	1134015	136847	-32139	1300012	156878	SLV 11	1.146				Si
537	18.1	1.1	0	5	-493429	-32028	-4240	-678582	-44046	SLV 11	1.375				Si
200	18.1	0.9	0	2,3,4	-969732	365013	-34614	-1337485	503438	SLV 9	1.379				Si
170	18.1	0.9	0	2,3,4	-880615	366990	-34765	-1370583	571181	SLV 9	1.556				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-10735	693996	-8262	-11132	719678	SLD 3	1.037	Si
449	18.1	2.3	0	2,3,4,5	-13525	591233	-8147	-17031	744500	SLD 3	1.259	Si
770	18.1	1.1	0	5	-262906	-557207	-7197	-335303	-710646	SLD 1	1.275	Si
350	18.1	0.9	0	2,3,4	830160	-469612	-36137	1283561	-726094	SLD 7	1.546	Si
478	18.1	2.3	0	2,3,4,5	-16363	486678	-8031	-26353	783811	SLD 3	1.611	Si
741	18.1	1.1	0	5	-217710	-454448	-7311	-356188	-743508	SLD 1	1.636	Si
320	18.1	0.9	0	2,3,4	731238	-394915	-36287	1356483	-732586	SLD 7	1.855	Si
508	18.1	1.1	0	5	-19200	382127	-7914	-42843	852671	SLD 3	2.231	Si
290	18.1	0.9	0	2,3,4	630634	-318954	-36439	1436147	-726357	SLD 7	2.277	Si
712	18.1	1.1	0	5	-171727	-349902	-7428	-391121	-796930	SLD 1	2.278	Si
-10	18.1	1.8	0	1,2,3,4	-405644	469664	-41140	-1049381	1214996	SLD 3	2.587	Si
260	18.1	0.9	0	2,3,4	530021	-242996	-36590	1527297	-700211	SLD 7	2.882	Si
20	18.1	1.8	0	1,2,3,4	-400514	371947	-38827	-1181051	1096810	SLD 5	2.949	Si
50	18.1	1.8	0	1,2,3,4	-388317	342030	-36249	-1210407	1066126	SLD 9	3.117	Si
80	18.1	0.9	0	2,3,4	-404312	311161	-36097	-1285421	989268	SLD 9	3.179	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.46	128	0.495	0.173	0.477	SLV 3	No
350	0.643	261	0.663	0.239	0.657	SLV 11	No
449	0.563	196	0.589	0.211	0.581	SLV 3	No
320	0.726	340	0.739	0.268	0.737	SLV 11	No
770	0.584	212	0.609	0.219	0.601	SLV 1	No
478	0.715	329	0.729	0.264	0.726	SLV 3	No
290	0.822	446	0.825	0.301	0.828	SLV 11	No
741	0.764	380	0.773	0.281	0.773	SLV 1	No
260	0.938	609	0.938	0.342	0.94	SLV 11	No
508	0.951	630	0.951	0.347	0.952	SLV 3	No
712	1.066	832	1.066	0.387	1.064	SLV 1	Si
230	1.078	855	1.078	0.391	1.075	SLV 11	Si
537	1.303	1395	1.318	0.468	1.287	SLV 11	Si
200	1.25	1250	1.26	0.45	1.237	SLV 9	Si
170	1.396	1679	1.422	0.5	1.374	SLV 9	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	1.041	89	1.073	0.146	1.036	SLD 3	Si
449	1.273	134	1.269	0.178	1.26	SLD 3	Si
770	1.32	146	1.314	0.185	1.308	SLD 1	Si
350	1.452	177	1.422	0.202	1.432	SLD 11	Si
478	1.615	223	1.563	0.224	1.587	SLD 3	Si
741	1.727	259	1.662	0.238	1.69	SLD 1	Si
320	1.641	232	1.589	0.227	1.611	SLD 11	Si
508	2.151	417	2.021	0.293	2.077	SLD 3	Si
290	1.859	304	1.775	0.256	1.811	SLD 11	Si
712	1.809	540	2.246	0.326	2.31	SLD 1	Si
-10	14.315	2474	4.193	0.603	4.276	SLD 15	Si
260	2.119	404	1.995	0.289	2.047	SLD 11	Si
20	11.635	2474	4.193	0.603	4.276	SLD 15	Si
50	7.809	2474	4.193	0.603	4.276	SLD 15	Si
80	5.505	2474	4.193	0.603	4.276	SLD 9	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-10	2X/2Y ø6/24	-2510	-52593	SLU 36	12670	4203	39796	2.5	5.05	2042	-53108	SLU 30	12670	4203	39866	2.5	6.21	Si
320	2X/2Y ø6/24	-2510	-50424	SLU 36	12670	4203	39499	2.5	5.05	2042	-50939	SLU 30	12670	4203	39569	2.5	6.21	Si
290	2X/2Y ø6/24	-2510	-50622	SLU 36	12670	4203	39526	2.5	5.05	2042	-51137	SLU 30	12670	4203	39596	2.5	6.21	Si
260	2X/2Y ø6/24	-2510	-50819	SLU 36	12670	4203	39553	2.5	5.05	2042	-51334	SLU 30	12670	4203	39623	2.5	6.21	Si
230	2X/2Y ø6/24	-2510	-51017	SLU 36	12670	4203	39580	2.5	5.05	2042	-51532	SLU 30	12670	4203	39650	2.5	6.21	Si
200	2X/2Y ø6/24	-2510	-51215	SLU 36	12670	4203	39607	2.5	5.05	2042	-51730	SLU 30	12670	4203	39678	2.5	6.21	Si
350	2X/2Y ø6/24	-2510	-50230	SLU 36	12670	4203	39472	2.5	5.05	2042	-50745	SLU 30	12670	4203	39543	2.5	6.21	Si
140	2X/2Y ø6/24	-2510	-51609	SLU 36	12670	4203	39661	2.5	5.05	2042	-52124	SLU 30	12670	4203	39732	2.5	6.21	Si
110	2X/2Y ø6/24	-2510	-51806	SLU 36	12670	4203	39688	2.5	5.05	2042	-52321	SLU 30	12670	4203	39759	2.5	6.21	Si
80	2X/2Y ø6/24	-2510	-52004	SLU 36	12670	4203	39715	2.5	5.05	2042	-52519	SLU 30	12670	4203	39786	2.5	6.21	Si
50	2X/2Y ø6/24	-2510	-52201	SLU 36	12670	4203	39742	2.5	5.05	2042	-52716	SLU 30	12670	4203	39813	2.5	6.21	Si
20	2X/2Y ø6/24	-2510	-52401	SLU 36	12670	4203	39769	2.5	5.05	2042	-52916	SLU 30	12670	4203	39840	2.5	6.21	Si
170	2X/2Y ø6/24	-2510	-51412	SLU 36	12670	4203	39634	2.5	5.05	2042	-51927	SLU 30	12670	4203	39704	2.5	6.21	Si
770	2X/2Y ø6/25	-1141	-9003	SLU 36	6335	3526	26537	2.5	5.55	-533	-7197	SLU 30	6100	3526	26294	2.5	11.44	Si
741	2X/2Y ø6/25	-1141	-9152	SLU 36	6354	3526	26557	2.5	5.57	-533	-7346	SLU 30	6119	3526	26314	2.5	11.47	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	7087	-896	SLV 15	5280	3526	25446	2.5	0.75	6991	-2723	SLV 11	5518	3526	25692	2.5	0.79	No
741	2X/2Y ø6/25	7087	-1011	SLV 15	5295	3526	25461	2.5	0.75	6991	-2837	SLV 11	5533	3526	25707	2.5	0.79	No
712	2X/2Y ø6/25	-8711	-10456	SLV 1	6524	3526	26732	2.5	0.75	6991	-2954	SLV 11	5548	3526	25723	2.5	0.79	No
683	2X/2Y ø6/25	-8711	-10572	SLV 1	6539	3526	26748	2.5	0.75	6991	-3071	SLV 11	5563	3526	25738	2.5	0.8	No
653	2X/2Y ø6/25	-8711	-10689	SLV 1	6554	3526	26764	2.5	0.75	6991	-3187	SLV 11	5578	3526	25754	2.5	0.8	No
624	2X/2Y ø6/25	-8711	-10806	SLV 1	6569	3526	26780	2.5	0.75	6991	-3304	SLV 11	5593	3526	25770	2.5	0.8	No
595	2X/2Y ø6/25	-8711	-10922	SLV 1	6585	3526	26795	2.5	0.76	6991	-3421	SLV 11	5609	3526	25785	2.5	0.8	No
566	2X/2Y ø6/25	-8711	-11039	SLV 1	6600	3526	26811	2.5	0.76	6991	-3537	SLV 11	5624	3526	25801	2.5	0.8	No
537	2X/2Y ø6/25	-8711	-11156	SLV 1	6615	3526	26827	2.5	0.76	6991	-3654	SLV 11	5639	3526	25817	2.5	0.81	No
508	2X/2Y ø6/25	-8711	-11272	SLV 1	6630	3526	26842	2.5	0.76	6991	-3771	SLV 11	5654	3526	25833	2.5	0.81	No
478	2X/2Y ø6/25	-8711	-11389	SLV 1	6645	3526	26858	2.5	0.76	6991	-3887	SLV 11	5669	3526	25848	2.5	0.81	No
449	2X/2Y ø6/25	-8711	-11506	SLV 1	6661	3526	26874	2.5	0.76	6991	-4004	SLV 11	5684	3526	25864	2.5	0.81	No
420	2X/2Y ø6/25	-8711	-11620	SLV 1	6675	3526	26889	2.5	0.77	6991	-4119	SLV 11	5699	3526	25879	2.5	0.82	No
350	2X/2Y ø6/24	-6991	-46503	SLV 3	12522	4203	38962	2.5	1.79	7356	-30519	SLV 11	10406	4203	36774	2.5	1.41	Si
320	2X/2Y ø6/24	-6991	-46652	SLV 3	12541	4203	38982	2.5	1.79	7356	-30669	SLV 11	10426	4203	36794	2.5	1.42	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-3585	-7197	SLD 1	6100	3526	26294	2.5	1.7	-2999	-6552	SLD 5	6016	3526	26207	2.5	2.01	Si
741	2X/2Y ø6/25	-3585	-7311	SLD 1	6115	3526	26309	2.5	1.71	-2999	-6667	SLD 5	6031	3526	26222	2.5	2.01	Si
712	2X/2Y ø6/25	-3585	-7428	SLD 1	6130	3526	26325	2.5	1.71	-2999	-6784	SLD 5	6046	3526	26238	2.5	2.02	Si
683	2X/2Y ø6/25	-3585	-7545	SLD 1	6145	3526	26341	2.5	1.71	-2999	-6900	SLD 5	6061	3526	26254	2.5	2.02	Si
653	2X/2Y ø6/25	-3585	-7661	SLD 1	6160	3526	26356	2.5	1.72	-2999	-7017	SLD 5	6076	3526	26270	2.5	2.03	Si
624	2X/2Y ø6/25	-3585	-7778	SLD 1	6175	3526	26372	2.5	1.72	-2999	-7134	SLD 5	6092	3526	26285	2.5	2.03	Si
595	2X/2Y ø6/25	-3585	-7895	SLD 1	6191	3526	26388	2.5	1.73	-2999	-7250	SLD 5	6107	3526	26301	2.5	2.04	Si
566	2X/2Y ø6/25	-3585	-8011	SLD 1	6206	3526	26403	2.5	1.73	-2999	-7367	SLD 5	6122	3526	26317	2.5	2.04	Si
537	2X/2Y ø6/25	-3585	-8128	SLD 1	6221	3526	26419	2.5	1.74	-2999	-7484	SLD 5	6137	3526	26332	2.5	2.05	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
508	2X/2Y ø6/25	-3585	-8245	SLD 1	6236	3526	26435	2.5	1.74	-2999	-7600	SLD 5	6152	3526	26348	2.5	2.05	Si
478	2X/2Y ø6/25	-3585	-8361	SLD 1	6251	3526	26451	2.5	1.74	-2999	-7717	SLD 5	6168	3526	26364	2.5	2.06	Si
449	2X/2Y ø6/25	-3585	-8478	SLD 1	6267	3526	26466	2.5	1.75	-2999	-7834	SLD 5	6183	3526	26380	2.5	2.06	Si
420	2X/2Y ø6/25	-3585	-8593	SLD 1	6282	3526	26482	2.5	1.75	-2999	-7948	SLD 5	6198	3526	26395	2.5	2.07	Si
350	2X/2Y ø6/24	-3607	-39323	SLD 3	11572	4203	37979	2.5	3.21	3500	-33713	SLD 11	10829	4203	37211	2.5	3.09	Si
320	2X/2Y ø6/24	-3607	-39472	SLD 3	11591	4203	38000	2.5	3.21	3500	-33862	SLD 11	10849	4203	37232	2.5	3.1	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.695	310	0.711	0.258	0.708	SLV 1	No
741	0.697	312	0.713	0.258	0.71	SLV 1	No
712	0.699	313	0.714	0.259	0.711	SLV 1	No
683	0.702	315	0.716	0.26	0.714	SLV 1	No
653	0.705	319	0.72	0.261	0.717	SLV 1	No
624	0.707	321	0.721	0.262	0.719	SLV 1	No
595	0.709	323	0.723	0.262	0.721	SLV 1	No
566	0.711	325	0.725	0.263	0.723	SLV 1	No
537	0.713	327	0.727	0.264	0.724	SLV 1	No
508	0.715	329	0.729	0.264	0.726	SLV 1	No
478	0.717	331	0.73	0.265	0.728	SLV 1	No
449	0.719	333	0.732	0.266	0.73	SLV 1	No
420	0.721	335	0.734	0.266	0.732	SLV 1	No
350	1.463	1901	1.496	0.522	1.435	SLV 11	Si
320	1.465	1908	1.498	0.523	1.437	SLV 11	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	1.984	350	1.881	0.272	1.924	SLD 1	Si
741	1.988	352	1.885	0.272	1.93	SLD 1	Si
712	1.992	353	1.887	0.273	1.932	SLD 1	Si
683	2.002	357	1.896	0.274	1.94	SLD 1	Si
653	2.008	359	1.9	0.275	1.946	SLD 1	Si
624	2.014	361	1.905	0.275	1.951	SLD 1	Si
595	2.02	363	1.909	0.276	1.956	SLD 1	Si
566	2.025	366	1.915	0.277	1.961	SLD 1	Si
537	2.031	369	1.922	0.278	1.969	SLD 1	Si
508	2.037	371	1.926	0.279	1.974	SLD 1	Si
478	2.043	373	1.93	0.279	1.979	SLD 1	Si
449	2.049	376	1.937	0.28	1.985	SLD 1	Si
420	2.055	378	1.941	0.281	1.99	SLD 1	Si
350	4.165	2198	3.994	0.55	3.896	SLD 11	Si
320	4.172	2208	4.002	0.551	3.902	SLD 11	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 33

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-329078	166612	-35331	-1425955	721960	SLU 36	4.333	Si
20	18.1	1.8	0	1,2,3,4	-294253	152136	-35140	-1365078	705777	SLU 36	4.639	Si
50	18.1	1.8	0	1,2,3,4	-257904	137026	-34940	-1278006	679010	SLU 36	4.955	Si
80	18.1	0.9	0	2,3,4	-222235	124321	-34660	-1176849	658343	SLU 30	5.296	Si
110	18.1	0.9	0	2,3,4	-186705	110195	-34463	-1057437	624109	SLU 30	5.664	Si
140	18.1	0.9	0	2,3,4	-151176	96070	-34266	-915422	581735	SLU 30	6.055	Si
170	18.1	0.9	0	2,3,4	-115647	81945	-34068	-748142	530115	SLU 30	6.469	Si
200	18.1	0.9	0	2,3,4	-78551	62470	-33953	-524287	416954	SLU 36	6.674	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
230	18.1	0.9	0	2,3,4	-42588	47520	-33755	-285918	319032	SLU 36	6.714	Si
260	18.1	0.9	0	2,3,4	-6702	32603	-33558	-45259	220170	SLU 36	6.753	Si
290	18.1	0.9	0	2,3,4	29184	17685	-33360	198249	120137	SLU 36	6.793	Si
320	18.1	0.9	0	2,3,4	65070	2768	-33163	444657	18913	SLU 36	6.834	Si
350	18.1	0.9	0	2,3,4	100358	-11901	-32969	689835	-81806	SLU 36	6.874	Si
420	18.1	2.3	0	2,3,4,5	25031	-28641	-15185	307666	-352030	SLU 36	12.291	Si
449	18.1	2.3	0	2,3,4,5	21831	-25096	-15036	270986	-311520	SLU 36	11.813	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
350	18.1	0.9	0	2,3,4	1839270	254321	-25529	905739	125239	SLV 11	0.492				No
420	18.1	2.3	0	2,3,4,5	1328238	454531	-10354	663097	226916	SLV 5	0.499				No
320	18.1	0.9	0	2,3,4	1665270	243990	-25678	938520	137509	SLV 11	0.564				No
449	18.1	2.3	0	2,3,4,5	1134480	387673	-10239	676883	231304	SLV 5	0.597				No
290	18.1	0.9	0	2,3,4	-1450727	-204477	-20840	-915829	-129084	SLV 5	0.631				No
770	18.1	1.1	0	5	-1030740	-359927	-8958	-672757	-234922	SLV 5	0.653				No
260	18.1	0.9	0	2,3,4	-1323944	-173384	-20992	-948817	-124258	SLV 5	0.717				No
478	18.1	2.3	0	2,3,4,5	937344	319658	-10123	697545	237880	SLV 5	0.744				No
230	18.1	0.9	0	2,3,4	-1197176	-142286	-21144	-991736	-117869	SLV 5	0.828				No
741	18.1	1.1	0	5	-836985	-293085	-9073	-697536	-244254	SLV 5	0.833				No
200	18.1	0.9	0	2,3,4	-1070161	-111112	-21296	-1049688	-108986	SLV 5	0.981				No
508	18.1	1.1	0	5	740212	251658	-10006	731319	248634	SLV 5	0.988				No
712	18.1	1.1	0	5	-639854	-225098	-9189	-741417	-260828	SLV 5	1.159				Si
170	18.1	0.9	0	2,3,4	-943736	-80058	-21448	-1129316	-95801	SLV 5	1.197				Si
537	18.1	1.1	0	5	543086	183690	-9889	793092	268251	SLV 5	1.46				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	596897	184668	-10193	782067	241956	SLD 5	1.31	Si
350	18.1	0.9	0	2,3,4	852114	109251	-24137	1296822	166268	SLD 11	1.522	Si
449	18.1	2.3	0	2,3,4,5	509954	157388	-10078	819392	252890	SLD 5	1.607	Si
770	18.1	1.1	0	5	-461625	-147676	-8797	-807758	-258405	SLD 5	1.75	Si
320	18.1	0.9	0	2,3,4	761371	110320	-24286	1400297	202898	SLD 11	1.839	Si
478	18.1	2.3	0	2,3,4,5	421495	129635	-9962	875190	269174	SLD 5	2.076	Si
290	18.1	0.9	0	2,3,4	669094	111405	-24438	1519029	252921	SLD 11	2.27	Si
741	18.1	1.1	0	5	-374683	-120402	-8912	-873790	-280787	SLD 5	2.332	Si
260	18.1	0.9	0	2,3,4	-554110	195173	-23447	-1475162	519593	SLD 9	2.662	Si
508	18.1	1.1	0	5	333038	101890	-9845	962509	294471	SLD 5	2.89	Si
230	18.1	0.9	0	2,3,4	-516846	186977	-23599	-1510898	546591	SLD 9	2.923	Si
200	18.1	0.9	0	2,3,4	-479492	178768	-23751	-1535130	572339	SLD 9	3.202	Si
712	18.1	1.1	0	5	274765	117479	-8785	941542	402568	SLD 11	3.427	Si
170	18.1	0.9	0	2,3,4	-442278	170600	-23902	-1547513	596921	SLD 9	3.499	Si
140	18.1	0.9	0	2,3,4	-404948	162423	-24054	-1560225	625800	SLD 9	3.853	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.588	215	0.612	0.22	0.605	SLV 11	No
420	0.55	186	0.577	0.206	0.567	SLV 5	No
320	0.66	277	0.679	0.245	0.674	SLV 11	No
449	0.644	262	0.664	0.24	0.658	SLV 5	No
290	0.734	348	0.746	0.271	0.744	SLV 5	No
770	0.692	307	0.708	0.257	0.705	SLV 5	No
260	0.8	420	0.805	0.294	0.807	SLV 5	No
478	0.78	398	0.788	0.287	0.789	SLV 5	No
230	0.881	524	0.882	0.322	0.885	SLV 5	No
741	0.857	491	0.859	0.314	0.862	SLV 5	No
200	0.987	690	0.987	0.359	0.988	SLV 5	No
508	0.99	695	0.99	0.36	0.991	SLV 5	No
712	1.129	956	1.128	0.409	1.124	SLV 5	Si
170	1.128	954	1.127	0.409	1.123	SLV 5	Si
537	1.354	1544	1.373	0.485	1.334	SLV 5	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	1.242	128	1.245	0.174	1.23	SLD 5	Si
350	1.328	147	1.318	0.185	1.313	SLD 11	Si
449	1.455	178	1.425	0.203	1.436	SLD 5	Si
770	1.566	208	1.519	0.217	1.538	SLD 5	Si
320	1.49	187	1.454	0.207	1.468	SLD 11	Si
478	1.764	271	1.693	0.243	1.724	SLD 5	Si
290	1.658	236	1.6	0.229	1.625	SLD 5	Si
741	1.938	332	1.84	0.265	1.881	SLD 5	Si
260	1.807	286	1.731	0.249	1.764	SLD 5	Si
508	2.239	456	2.096	0.304	2.157	SLD 5	Si
230	1.992	353	1.887	0.273	1.932	SLD 5	Si
200	2.23	452	2.088	0.303	2.15	SLD 5	Si
712	2.55	619	2.376	0.344	1.84	SLD 5	Si
170	2.55	619	2.376	0.344	1.84	SLD 5	Si
140	2.995	916	2.79	0.402	2.849	SLD 5	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-486	-30148	SLU 35	10357	4223	36723	2.5	21.33	1196	-32969	SLU 36	10731	4223	37109	2.5	8.97	Si
320	2X/2Y ø6/23.9	-486	-30342	SLU 35	10383	4223	36750	2.5	21.38	1196	-33163	SLU 36	10756	4223	37136	2.5	8.99	Si
290	2X/2Y ø6/23.9	-486	-30539	SLU 35	10409	4223	36777	2.5	21.44	1196	-33360	SLU 36	10782	4223	37163	2.5	9.01	Si
260	2X/2Y ø6/23.9	-486	-30737	SLU 35	10435	4223	36804	2.5	21.49	1196	-33558	SLU 36	10809	4223	37190	2.5	9.04	Si
230	2X/2Y ø6/23.9	-486	-30934	SLU 35	10461	4223	36831	2.5	21.54	1196	-33755	SLU 36	10835	4223	37217	2.5	9.06	Si
200	2X/2Y ø6/23.9	-486	-31132	SLU 35	10488	4223	36858	2.5	21.6	1196	-33953	SLU 36	10861	4223	37244	2.5	9.08	Si
170	2X/2Y ø6/23.9	-486	-31329	SLU 35	10514	4223	36885	2.5	21.65	1196	-34150	SLU 36	10887	4223	37271	2.5	9.1	Si
140	2X/2Y ø6/23.9	-486	-31527	SLU 35	10540	4223	36912	2.5	21.71	1196	-34347	SLU 36	10913	4223	37298	2.5	9.12	Si
110	2X/2Y ø6/23.9	-486	-31724	SLU 35	10566	4223	36939	2.5	21.76	1196	-34545	SLU 36	10939	4223	37325	2.5	9.14	Si
80	2X/2Y ø6/23.9	-486	-31921	SLU 35	10592	4223	36966	2.5	21.81	1196	-34742	SLU 36	10965	4223	37352	2.5	9.17	Si
50	2X/2Y ø6/23.9	-486	-32119	SLU 35	10618	4223	36993	2.5	21.87	1196	-34940	SLU 36	10991	4223	37379	2.5	9.19	Si
20	2X/2Y ø6/23.9	-486	-32319	SLU 35	10645	4223	37020	2.5	21.92	1196	-35140	SLU 36	11018	4223	37406	2.5	9.21	Si
-10	2X/2Y ø6/23.9	-486	-32510	SLU 35	10670	4223	37046	2.5	21.97	1196	-35331	SLU 36	11043	4223	37433	2.5	9.23	Si
770	2X/2Y ø6/24.8	282	-10579	SLU 20	6540	3562	26749	2.5	23.22	-167	-9922	SLU 11	6455	3562	26661	2.5	38.63	Si
741	2X/2Y ø6/24.8	282	-10729	SLU 20	6559	3562	26769	2.5	23.29	-167	-10037	SLU 11	6469	3562	26676	2.5	38.72	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-7953	-7769	SLV 1	6174	3562	26371	2.5	0.78	-8496	-9032	SLV 5	6339	3562	26541	2.5	0.75	No

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
741	2X/2Y ø6/24.8	-7953	-7884	SLV 1	6189	3562	26386	2.5	0.78	-8496	-9146	SLV 5	6354	3562	26556	2.5	0.75	No
712	2X/2Y ø6/24.8	-7953	-8001	SLV 1	6204	3562	26402	2.5	0.78	-8496	-9263	SLV 5	6369	3562	26572	2.5	0.75	No
683	2X/2Y ø6/24.8	-7953	-8117	SLV 1	6220	3562	26418	2.5	0.78	-8496	-9380	SLV 5	6384	3562	26588	2.5	0.75	No
653	2X/2Y ø6/24.8	-7953	-8234	SLV 1	6235	3562	26433	2.5	0.78	-8496	-9496	SLV 5	6399	3562	26603	2.5	0.75	No
624	2X/2Y ø6/24.8	-7953	-8351	SLV 1	6250	3562	26449	2.5	0.79	-8496	-9613	SLV 5	6414	3562	26619	2.5	0.75	No
595	2X/2Y ø6/24.8	-7953	-8467	SLV 1	6265	3562	26465	2.5	0.79	-8496	-9730	SLV 5	6429	3562	26635	2.5	0.76	No
566	2X/2Y ø6/24.8	-7953	-8584	SLV 1	6280	3562	26481	2.5	0.79	-8496	-9846	SLV 5	6445	3562	26650	2.5	0.76	No
537	2X/2Y ø6/24.8	-7953	-8701	SLV 1	6296	3562	26496	2.5	0.79	-8496	-9963	SLV 5	6460	3562	26666	2.5	0.76	No
508	2X/2Y ø6/24.8	-7953	-8817	SLV 1	6311	3562	26512	2.5	0.79	-8496	-10080	SLV 5	6475	3562	26682	2.5	0.76	No
478	2X/2Y ø6/24.8	-7953	-8934	SLV 1	6326	3562	26528	2.5	0.8	-8496	-10196	SLV 5	6490	3562	26698	2.5	0.76	No
449	2X/2Y ø6/24.8	-7953	-9051	SLV 1	6341	3562	26543	2.5	0.8	-8496	-10313	SLV 5	6505	3562	26713	2.5	0.77	No
420	2X/2Y ø6/24.8	-7953	-9165	SLV 1	6356	3562	26559	2.5	0.8	-8496	-10428	SLV 5	6520	3562	26729	2.5	0.77	No
350	2X/2Y ø6/23.9	-4856	-18479	SLV 3	8813	4223	35126	2.5	1.81	7216	-26177	SLV 11	9832	4223	36179	2.5	1.36	Si
320	2X/2Y ø6/23.9	-4856	-18629	SLV 3	8833	4223	35146	2.5	1.82	7216	-26327	SLV 11	9852	4223	36200	2.5	1.37	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	2986	-8994	SLD 15	6334	3562	26536	2.5	2.12	-3033	-8797	SLD 5	6308	3562	26509	2.5	2.08	Si
741	2X/2Y ø6/24.8	2986	-9108	SLD 15	6349	3562	26551	2.5	2.13	-3033	-8912	SLD 5	6323	3562	26525	2.5	2.08	Si
712	2X/2Y ø6/24.8	2986	-9225	SLD 15	6364	3562	26567	2.5	2.13	-3033	-9028	SLD 5	6338	3562	26540	2.5	2.09	Si
683	2X/2Y ø6/24.8	2986	-9342	SLD 15	6379	3562	26583	2.5	2.14	-3033	-9145	SLD 5	6353	3562	26556	2.5	2.09	Si
653	2X/2Y ø6/24.8	2986	-9458	SLD 15	6394	3562	26598	2.5	2.14	-3033	-9262	SLD 5	6369	3562	26572	2.5	2.1	Si
624	2X/2Y ø6/24.8	2986	-9575	SLD 15	6409	3562	26614	2.5	2.15	-3033	-9378	SLD 5	6384	3562	26587	2.5	2.1	Si
595	2X/2Y ø6/24.8	2986	-9692	SLD 15	6425	3562	26630	2.5	2.15	-3033	-9495	SLD 5	6399	3562	26603	2.5	2.11	Si
566	2X/2Y ø6/24.8	2986	-9808	SLD 15	6440	3562	26645	2.5	2.16	-3033	-9612	SLD 5	6414	3562	26619	2.5	2.11	Si
537	2X/2Y ø6/24.8	2986	-9925	SLD 15	6455	3562	26661	2.5	2.16	-3033	-9728	SLD 5	6429	3562	26635	2.5	2.12	Si
508	2X/2Y ø6/24.8	2986	-10042	SLD 15	6470	3562	26677	2.5	2.17	-3033	-9845	SLD 5	6444	3562	26650	2.5	2.12	Si
478	2X/2Y ø6/24.8	2986	-10158	SLD 15	6485	3562	26692	2.5	2.17	-3033	-9962	SLD 5	6460	3562	26666	2.5	2.13	Si
449	2X/2Y ø6/24.8	2986	-10275	SLD 15	6500	3562	26708	2.5	2.18	-3033	-10078	SLD 5	6475	3562	26682	2.5	2.13	Si
420	2X/2Y ø6/24.8	2986	-10390	SLD 15	6515	3562	26724	2.5	2.18	-3033	-10193	SLD 5	6490	3562	26697	2.5	2.14	Si
350	2X/2Y ø6/23.9	-1928	-21434	SLD 3	9204	4223	35530	2.5	4.77	3076	-24137	SLD 11	9562	4223	35900	2.5	3.11	Si
320	2X/2Y ø6/23.9	-1928	-21583	SLD 3	9224	4223	35551	2.5	4.78	3076	-24286	SLD 11	9582	4223	35921	2.5	3.11	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.742	357	0.753	0.274	0.752	SLV 5	No
741	0.744	359	0.755	0.274	0.754	SLV 5	No
712	0.746	361	0.757	0.275	0.756	SLV 5	No
683	0.748	363	0.759	0.276	0.758	SLV 5	No
653	0.75	365	0.76	0.276	0.76	SLV 5	No
624	0.752	367	0.762	0.277	0.761	SLV 5	No
595	0.753	368	0.763	0.277	0.762	SLV 5	No
566	0.755	370	0.765	0.278	0.764	SLV 5	No
537	0.757	373	0.767	0.279	0.767	SLV 5	No
508	0.758	374	0.768	0.279	0.768	SLV 5	No
478	0.76	376	0.77	0.28	0.769	SLV 5	No
449	0.762	378	0.771	0.281	0.771	SLV 5	No
420	0.764	380	0.773	0.281	0.773	SLV 5	No
350	1.438	1814	1.467	0.514	1.412	SLV 11	Si
320	1.441	1828	1.472	0.515	1.416	SLV 11	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	2.113	402	1.99	0.288	2.042	SLD 5	Si
741	2.119	404	1.995	0.289	2.047	SLD 5	Si
712	2.125	406	1.999	0.29	2.052	SLD 5	Si
683	2.131	409	2.005	0.291	2.06	SLD 5	Si
653	2.137	412	2.011	0.291	2.064	SLD 5	Si
624	2.14	413	2.013	0.292	2.067	SLD 5	Si
595	2.146	415	2.017	0.292	2.072	SLD 5	Si
566	2.148	416	2.019	0.293	2.074	SLD 5	Si
537	2.154	418	2.023	0.293	2.079	SLD 5	Si
508	2.16	422	2.03	0.294	2.086	SLD 5	Si
478	2.166	424	2.034	0.295	2.091	SLD 5	Si
449	2.172	426	2.038	0.296	2.096	SLD 5	Si
420	2.178	429	2.044	0.296	2.1	SLD 5	Si
350	4.097	2103	3.923	0.541	3.836	SLD 11	Si
320	4.104	2112	3.93	0.542	3.842	SLD 11	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 35

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-364884	-6796	-52325	-1316119	-24513	SLU 30	3.607	Si
20	18.1	1.8	0	1,2,3,4	-309875	-3092	-52133	-1183568	-11812	SLU 30	3.82	Si
350	18.1	0.9	0	2,3,4	313456	38873	-49962	1221266	151453	SLU 30	3.896	Si
50	18.1	1.8	0	1,2,3,4	-252457	773	-51933	-1023829	3135	SLU 30	4.055	Si
420	18.1	2.3	0	2,3,4,5	-315300	70787	-17269	-1295934	290946	SLU 19	4.11	Si
320	18.1	0.9	0	2,3,4	257715	35120	-50156	1061559	144663	SLU 30	4.119	Si
80	18.1	0.9	0	2,3,4	-195771	4589	-51736	-841736	19733	SLU 30	4.3	Si
290	18.1	0.9	0	2,3,4	201029	31304	-50354	875924	136396	SLU 30	4.357	Si
110	18.1	0.9	0	2,3,4	-131659	9054	-51579	-578459	39778	SLU 36	4.394	Si
140	18.1	0.9	0	2,3,4	-77874	13032	-51382	-343461	57478	SLU 36	4.41	Si
170	18.1	0.9	0	2,3,4	-24088	17011	-51184	-106651	75315	SLU 36	4.427	Si
200	18.1	0.9	0	2,3,4	29582	20981	-50987	131479	93251	SLU 36	4.445	Si
230	18.1	0.9	0	2,3,4	83483	24968	-50789	372494	111405	SLU 36	4.462	Si
260	18.1	0.9	0	2,3,4	137269	28947	-50592	614871	129661	SLU 36	4.479	Si
449	18.1	2.3	0	2,3,4,5	-275208	55356	-17736	-1334723	268469	SLU 21	4.85	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	-3318079	-19426	-30442	-820391	-4803	SLV 11	0.247				No
20	18.1	1.8	0	1,2,3,4	-2849053	7516	-30294	-846169	2232	SLV 11	0.297				No
350	18.1	0.9	0	2,3,4	2465631	313971	-28624	861277	109674	SLV 11	0.349				No
50	18.1	1.8	0	1,2,3,4	-2359500	35758	-30140	-886639	13437	SLV 11	0.376				No
320	18.1	0.9	0	2,3,4	1990370	286570	-28773	917673	132125	SLV 11	0.461				No
80	18.1	0.9	0	2,3,4	-1876184	63635	-29988	-955017	32391	SLV 11	0.509				No
420	18.1	2.3	0	2,3,4,5	-1237990	-330287	-11436	-682419	-182065	SLV 11	0.551				No
449	18.1	2.3	0	2,3,4,5	-1056271	-280914	-11322	-700469	-186289	SLV 11	0.663				No
290	18.1	0.9	0	2,3,4	1507054	258704	-28925	1028872	176618	SLV 11	0.683				No
770	18.1	1.1	0	5	974390	271639	-10040	694866	193714	SLV 11	0.713				No
110	18.1	0.9	0	2,3,4	-1392868	91505	-29837	-1092400	71765	SLV 11	0.784				No
478	18.1	2.3	0	2,3,4,5	-871383	-230695	-11205	-728044	-192746	SLV 11	0.836				No
741	18.1	1.1	0	5	792672	222292	-10155	726366	203697	SLV 11	0.916				No
508	18.1	1.1	0	5	-686497	-180501	-11088	-774174	-203554	SLV 11	1.128				Si
260	18.1	0.9	0	2,3,4	1023740	230838	-29077	1259705	284045	SLV 11	1.23				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-1623480	-11353	-34409	-1087987	-7608	SLD 11	0.67	No
20	18.1	1.8	0	1,2,3,4	-1392676	1785	-34262	-1195028	1532	SLD 11	0.858	No
350	18.1	0.9	0	2,3,4	1222643	151174	-32591	1245297	153975	SLD 11	1.019	Si
50	18.1	1.8	0	1,2,3,4	-1151770	15552	-34108	-1371665	18521	SLD 11	1.191	Si
420	18.1	2.3	0	2,3,4,5	-682974	-117741	-13050	-822809	-141848	SLD 11	1.205	Si
320	18.1	0.9	0	2,3,4	988771	137817	-32741	1439857	200690	SLD 11	1.456	Si
449	18.1	2.3	0	2,3,4,5	-583044	-100053	-12935	-875005	-150155	SLD 11	1.501	Si
770	18.1	1.1	0	5	533632	97975	-11654	867599	159292	SLD 11	1.626	Si
80	18.1	0.9	0	2,3,4	-913933	29140	-33956	-1616817	51551	SLD 11	1.769	Si
478	18.1	2.3	0	2,3,4,5	-481372	-82062	-12819	-953434	-162537	SLD 11	1.981	Si
741	18.1	1.1	0	5	433703	80298	-11769	959861	177714	SLD 11	2.213	Si
290	18.1	0.9	0	2,3,4	750934	124233	-32893	1689522	279510	SLD 11	2.25	Si
110	18.1	0.9	0	2,3,4	-676097	42726	-33804	-1853421	117128	SLD 11	2.741	Si
508	18.1	1.1	0	5	-379701	-64083	-12702	-1079452	-182182	SLD 11	2.843	Si
260	18.1	0.9	0	2,3,4	276433	440419	-36040	873215	1391227	SLD 15	3.159	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.333	68	0.382	0.127	0.349	SLV 11	No
20	0.4	97	0.442	0.152	0.417	SLV 11	No
350	0.448	122	0.485	0.17	0.466	SLV 11	No
50	0.496	150	0.528	0.187	0.514	SLV 11	No
320	0.572	202	0.597	0.214	0.589	SLV 11	No
80	0.635	254	0.655	0.236	0.65	SLV 11	No
420	0.539	179	0.568	0.203	0.557	SLV 11	No
449	0.666	282	0.684	0.247	0.68	SLV 11	No
290	0.772	389	0.78	0.284	0.781	SLV 11	No
770	0.717	331	0.73	0.265	0.728	SLV 11	No
110	0.861	496	0.862	0.315	0.866	SLV 11	No
478	0.844	472	0.845	0.309	0.849	SLV 11	No
741	0.922	584	0.922	0.336	0.924	SLV 11	No
508	1.111	920	1.111	0.403	1.107	SLV 11	Si
260	1.141	981	1.14	0.413	1.135	SLV 11	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.753	47	0.826	0.105	0.746	SLD 11	No
20	0.904	68	0.961	0.128	0.904	SLD 11	No
350	1.014	85	1.053	0.143	1.01	SLD 11	Si
50	1.12	104	1.143	0.157	1.115	SLD 11	Si
420	1.221	123	1.225	0.171	1.209	SLD 11	Si
320	1.293	139	1.288	0.181	1.279	SLD 11	Si
449	1.506	192	1.47	0.209	1.484	SLD 11	Si
770	1.621	225	1.569	0.224	1.591	SLD 11	Si
80	1.436	173	1.409	0.2	1.415	SLD 11	Si
478	1.91	322	1.817	0.262	1.856	SLD 11	Si
741	2.087	390	1.966	0.285	2.017	SLD 11	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
290	1.746	264	1.675	0.241	1.705	SLD 11	Si
110	1.947	336	1.849	0.267	1.892	SLD 11	Si
508	2.518	600	2.346	0.34	1.81	SLD 11	Si
260	2.579	636	1.802	0.348	1.867	SLD 11	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-359	-15454	SLU 19	7174	3562	27405	2.5	20	1615	-15882	SLU 20	7230	3562	27463	2.5	4.48	Si
741	2X/2Y ø6/24.8	-359	-15603	SLU 19	7194	3562	27425	2.5	20.05	1615	-16031	SLU 20	7249	3562	27483	2.5	4.49	Si
712	2X/2Y ø6/24.8	-359	-15755	SLU 19	7214	3562	27446	2.5	20.11	1615	-16182	SLU 20	7269	3562	27503	2.5	4.5	Si
683	2X/2Y ø6/24.8	-359	-15907	SLU 19	7233	3562	27466	2.5	20.16	1615	-16334	SLU 20	7289	3562	27524	2.5	4.51	Si
653	2X/2Y ø6/24.8	-359	-16058	SLU 19	7253	3562	27487	2.5	20.22	1615	-16486	SLU 20	7309	3562	27544	2.5	4.53	Si
624	2X/2Y ø6/24.8	-359	-16210	SLU 19	7273	3562	27507	2.5	20.27	1615	-16637	SLU 20	7328	3562	27565	2.5	4.54	Si
595	2X/2Y ø6/24.8	-359	-16362	SLU 19	7292	3562	27527	2.5	20.33	1615	-16789	SLU 20	7348	3562	27585	2.5	4.55	Si
566	2X/2Y ø6/24.8	-359	-16513	SLU 19	7312	3562	27548	2.5	20.38	1615	-16941	SLU 20	7368	3562	27605	2.5	4.56	Si
537	2X/2Y ø6/24.8	-359	-16665	SLU 19	7332	3562	27568	2.5	20.44	1615	-17092	SLU 20	7388	3562	27626	2.5	4.57	Si
508	2X/2Y ø6/24.8	-359	-16817	SLU 19	7352	3562	27589	2.5	20.49	1615	-17244	SLU 20	7407	3562	27646	2.5	4.59	Si
478	2X/2Y ø6/24.8	-359	-16968	SLU 19	7371	3562	27609	2.5	20.55	1615	-17396	SLU 20	7427	3562	27667	2.5	4.6	Si
449	2X/2Y ø6/24.8	-359	-17120	SLU 19	7391	3562	27630	2.5	20.6	1615	-17547	SLU 20	7447	3562	27687	2.5	4.61	Si
420	2X/2Y ø6/24.8	-359	-17269	SLU 19	7411	3562	27650	2.5	20.66	1615	-17696	SLU 20	7466	3562	27707	2.5	4.62	Si
350	2X/2Y ø6/23.9	127	-41202	SLU 18	11820	4223	38236	2.5	93.19	1828	-41687	SLU 19	11884	4223	38303	2.5	6.5	Si
320	2X/2Y ø6/23.9	127	-41351	SLU 18	11840	4223	38257	2.5	93.34	1828	-41881	SLU 19	11910	4223	38329	2.5	6.52	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-4965	-30352	SLV 3	10384	4223	36751	2.5	2.09	19927	-26774	SLV 11	9911	4223	36261	2.5	0.5	No
320	2X/2Y ø6/23.9	-4965	-30502	SLV 3	10404	4223	36771	2.5	2.1	19927	-26923	SLV 11	9931	4223	36282	2.5	0.5	No
290	2X/2Y ø6/23.9	-4965	-30653	SLV 3	10424	4223	36792	2.5	2.1	19927	-27075	SLV 11	9951	4223	36302	2.5	0.5	No
260	2X/2Y ø6/23.9	-4965	-30805	SLV 3	10444	4223	36813	2.5	2.1	19927	-27227	SLV 11	9971	4223	36323	2.5	0.5	No
230	2X/2Y ø6/23.9	-4965	-30957	SLV 3	10464	4223	36834	2.5	2.11	19927	-27379	SLV 11	9991	4223	36344	2.5	0.5	No
200	2X/2Y ø6/23.9	-4965	-31109	SLV 3	10485	4223	36855	2.5	2.11	19927	-27531	SLV 11	10011	4223	36365	2.5	0.5	No
170	2X/2Y ø6/23.9	-4965	-31261	SLV 3	10505	4223	36875	2.5	2.12	19927	-27683	SLV 11	10031	4223	36386	2.5	0.5	No
140	2X/2Y ø6/23.9	-4965	-31413	SLV 3	10525	4223	36896	2.5	2.12	19927	-27834	SLV 11	10051	4223	36406	2.5	0.5	No
110	2X/2Y ø6/23.9	-4965	-31565	SLV 3	10545	4223	36917	2.5	2.12	19927	-27986	SLV 11	10071	4223	36427	2.5	0.51	No
80	2X/2Y ø6/23.9	-4965	-31717	SLV 3	10565	4223	36938	2.5	2.13	19927	-28138	SLV 11	10091	4223	36448	2.5	0.51	No
50	2X/2Y ø6/23.9	-4965	-31868	SLV 3	10585	4223	36959	2.5	2.13	19927	-28290	SLV 11	10111	4223	36469	2.5	0.51	No
20	2X/2Y ø6/23.9	-4965	-32022	SLV 3	10605	4223	36980	2.5	2.14	19927	-28444	SLV 11	10132	4223	36490	2.5	0.51	No
-10	2X/2Y ø6/23.9	-4965	-32170	SLV 3	10625	4223	37000	2.5	2.14	19927	-28591	SLV 11	10151	4223	36510	2.5	0.51	No
770	2X/2Y ø6/24.8	-6106	-13256	SLV 1	6888	3562	27109	2.5	1.13	7668	-9288	SLV 11	6372	3562	26575	2.5	0.83	No
741	2X/2Y ø6/24.8	-6106	-13371	SLV 1	6903	3562	27125	2.5	1.13	7668	-9402	SLV 11	6387	3562	26591	2.5	0.83	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	1845	-37633	SLD 13	11348	4223	37748	2.5	6.15	7928	-32591	SLD 11	10681	4223	37058	2.5	1.35	Si
320	2X/2Y ø6/23.9	1845	-37783	SLD 13	11368	4223	37768	2.5	6.16	7928	-32741	SLD 11	10700	4223	37078	2.5	1.35	Si
290	2X/2Y ø6/23.9	1845	-37935	SLD 13	11388	4223	37789	2.5	6.17	7928	-32893	SLD 11	10721	4223	37099	2.5	1.35	Si
260	2X/2Y ø6/23.9	1845	-38087	SLD 13	11408	4223	37810	2.5	6.18	7928	-33045	SLD 11	10741	4223	37120	2.5	1.35	Si
230	2X/2Y ø6/23.9	1845	-38238	SLD 13	11428	4223	37831	2.5	6.19	7928	-33196	SLD 11	10761	4223	37140	2.5	1.36	Si
200	2X/2Y ø6/23.9	1845	-38391	SLD 13	11448	4223	37851	2.5	6.21	7928	-33349	SLD 11	10781	4223	37161	2.5	1.36	Si
170	2X/2Y ø6/23.9	1845	-38542	SLD 13	11468	4223	37872	2.5	6.22	7928	-33500	SLD 11	10801	4223	37182	2.5	1.36	Si
140	2X/2Y ø6/23.9	1845	-38694	SLD 13	11488	4223	37893	2.5	6.23	7928	-33652	SLD 11	10821	4223	37203	2.5	1.36	Si
110	2X/2Y ø6/23.9	1845	-38846	SLD 13	11508	4223	37914	2.5	6.24	7928	-33804	SLD 11	10841	4223	37224	2.5	1.37	Si
80	2X/2Y ø6/23.9	1845	-38998	SLD 13	11528	4223	37935	2.5	6.25	7928	-33956	SLD 11	10861	4223	37244	2.5	1.37	Si
50	2X/2Y ø6/23.9	1845	-39150	SLD 13	11549	4223	37955	2.5	6.26	7928	-34108	SLD 11	10881	4223	37265	2.5	1.37	Si
20	2X/2Y ø6/23.9	1845	-39304	SLD 13	11569	4223	37976	2.5	6.27	7928	-34262	SLD 11	10902	4223	37286	2.5	1.38	Si
-10	2X/2Y ø6/23.9	1845	-39451	SLD 13	11588	4223	37997	2.5	6.28	7928	-34409	SLD 11	10921	4223	37306	2.5	1.38	Si
770	2X/2Y ø6/24.8	-2311	-13048	SLD 1	6861	3562	27081	2.5	2.97	3486	-11654	SLD 11	6680	3562	26894	2.5	1.92	Si
741	2X/2Y ø6/24.8	-2311	-13163	SLD 1	6876	3562	27097	2.5	2.98	3486	-11769	SLD 11	6695	3562	26909	2.5	1.92	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.491	147	0.524	0.185	0.509	SLV 11	No
320	0.492	148	0.525	0.186	0.51	SLV 11	No
290	0.493	148	0.525	0.186	0.51	SLV 11	No
260	0.494	149	0.527	0.186	0.512	SLV 11	No
230	0.495	149	0.527	0.186	0.512	SLV 11	No
200	0.496	150	0.528	0.187	0.514	SLV 11	No
170	0.497	151	0.529	0.187	0.515	SLV 11	No
140	0.498	151	0.529	0.187	0.515	SLV 11	No
110	0.499	152	0.531	0.188	0.517	SLV 11	No
80	0.5	153	0.532	0.189	0.518	SLV 11	No
50	0.501	153	0.532	0.189	0.518	SLV 11	No
20	0.502	154	0.534	0.189	0.52	SLV 11	No
-10	0.503	154	0.534	0.189	0.52	SLV 11	No
770	0.813	435	0.817	0.298	0.819	SLV 11	No
741	0.814	437	0.819	0.299	0.821	SLV 11	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.398	164	1.378	0.195	1.381	SLD 11	Si
320	1.402	165	1.382	0.195	1.385	SLD 11	Si
290	1.404	165	1.382	0.195	1.385	SLD 11	Si
260	1.406	166	1.385	0.196	1.39	SLD 11	Si
230	1.41	167	1.388	0.197	1.394	SLD 11	Si
200	1.414	167	1.388	0.197	1.394	SLD 11	Si
170	1.416	168	1.392	0.197	1.398	SLD 11	Si
140	1.418	168	1.392	0.197	1.398	SLD 11	Si
110	1.422	169	1.395	0.198	1.402	SLD 11	Si
80	1.426	171	1.402	0.199	1.407	SLD 11	Si
50	1.428	172	1.405	0.199	1.411	SLD 11	Si
20	1.43	172	1.405	0.199	1.411	SLD 11	Si
-10	1.434	173	1.409	0.2	1.415	SLD 11	Si
770	2.318	493	2.164	0.314	2.228	SLD 11	Si
741	2.324	496	2.17	0.315	2.233	SLD 11	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 36

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-22	0	0.9	0	1	-4694	3151	-26580	-33639	22584	SLU 36	7.166	Si
-17	1.47	0.9	0	1	-4083	2754	-26544	-29753	20066	SLU 36	7.287	Si
770	18.1	1.1	0	5	2855	187666	-9660	21330	1402188	SLU 36	7.472	Si
420	18.1	2.3	0	2,3,4,5	13808	-178448	-11475	109743	-1418232	SLU 36	7.948	Si
14	17.38	1.8	0	1,2,3,4	-742	579	-26346	-6344	4953	SLU 36	8.548	Si
44	18.1	1.8	0	1,2,3,4	2654	-1631	-26145	23006	-14138	SLU 36	8.668	Si
75	18.1	0.9	0	2,3,4	6089	-3867	-25941	53194	-33779	SLU 36	8.736	Si
105	18.1	0.9	0	2,3,4	9447	-6052	-25742	83166	-53280	SLU 36	8.803	Si
136	18.1	0.9	0	2,3,4	12843	-8263	-25541	113957	-73313	SLU 36	8.873	Si
167	18.1	0.9	0	2,3,4	16240	-10473	-25339	145237	-93665	SLU 36	8.943	Si
197	18.1	0.9	0	2,3,4	19636	-12684	-25138	177019	-114343	SLU 36	9.015	Si
228	18.1	0.9	0	2,3,4	23034	-14895	-24937	209324	-135362	SLU 36	9.088	Si
741	18.1	1.1	0	5	3754	157594	-9809	34313	1440293	SLU 36	9.139	Si
258	18.1	0.9	0	2,3,4	26429	-17105	-24736	242132	-156708	SLU 36	9.162	Si
289	18.1	0.9	0	2,3,4	29825	-19315	-24534	275491	-178412	SLU 36	9.237	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	2,3,4,5	8379	-727925	-8993	8352	-725556	SLV 15	0.997				No
350	18.1	0.9	0	2,3,4	-60751	-866137	-14921	-68949	-983012	SLV 1	1.135				Si
770	18.1	1.1	0	5	16010	633711	-7597	18204	720586	SLV 15	1.137				Si
449	18.1	2.3	0	2,3,4,5	7779	-616651	-8878	9502	-753228	SLV 15	1.221				Si
319	18.1	0.9	0	2,3,4	93094	-706932	-10226	120920	-918234	SLV 3	1.299				Si
741	18.1	1.1	0	5	23390	522560	-7712	33925	757906	SLV 15	1.45				Si
289	18.1	0.9	0	2,3,4	93128	-638274	-10381	139730	-957674	SLV 3	1.5				Si
478	18.1	2.3	0	2,3,4,5	7167	-503569	-8762	11357	-797894	SLV 15	1.584				Si
258	18.1	0.9	0	2,3,4	83053	-569683	-10536	147471	-1011549	SLV 3	1.776				Si
712	18.1	1.1	0	5	4833	409706	-7828	9741	825737	SLV 15	2.015				Si
228	18.1	0.9	0	2,3,4	72987	-501207	-10691	158311	-1087136	SLV 3	2.169				Si
508	18.1	1.1	0	5	6556	-390733	-8645	14760	-879706	SLV 15	2.251				Si
197	18.1	0.9	0	2,3,4	62923	-432826	-10845	173238	-1191647	SLV 3	2.753				Si
683	18.1	1.1	0	5	2862	297368	-7945	9406	977296	SLV 15	3.286				Si
167	18.1	0.9	0	2,3,4	52876	-364684	-11000	195633	-1349271	SLV 3	3.7				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	9151	-387455	-8508	20698	-876346	SLD 15	2.262	Si
770	18.1	1.1	0	5	8085	343168	-7112	20112	853631	SLD 15	1.888	Si
449	18.1	2.3	0	2,3,4,5	8521	-327694	-8394	24725	-950877	SLD 15	2.902	Si
741	18.1	1.1	0	5	11716	283461	-7227	39150	947212	SLD 15	3.342	Si
478	18.1	2.3	0	2,3,4,5	7879	-266950	-8277	31584	-1070106	SLD 15	4.009	Si
350	18.1	0.9	0	2,3,4	-12211	-393748	-16377	-53693	-1731316	SLD 1	4.397	Si
712	18.1	1.1	0	5	3876	222817	-7344	19422	1116549	SLD 15	5.011	Si
319	18.1	0.9	0	2,3,4	20024	-359066	-16529	100694	-1805618	SLD 1	5.029	Si
289	18.1	0.9	0	2,3,4	22028	-323831	-16684	126988	-1866880	SLD 1	5.765	Si
508	18.1	1.1	0	5	7237	-206314	-8160	43716	-1246294	SLD 15	6.041	Si
258	18.1	0.9	0	2,3,4	19556	-288629	-16839	128632	-1898443	SLD 1	6.577	Si
228	18.1	0.9	0	2,3,4	17087	-253486	-16994	126497	-1876591	SLD 1	7.403	Si
-22	0	0.9	0	1	2075	27487	-23656	16704	221332	SLD 9	8.052	Si
-17	1.47	0.9	0	1	1814	25042	-23629	14845	204991	SLD 9	8.186	Si
197	18.1	0.9	0	2,3,4	-7524	177081	-21604	-61628	1450541	SLD 13	8.191	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.996	705	0.996	0.362	0.996	SLV 15	No
350	1.092	881	1.091	0.396	1.088	SLV 1	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
770	1.141	981	1.14	0.413	1.135	SLV 15	Si
449	1.213	1155	1.219	0.438	1.203	SLV 15	Si
319	1.193	1106	1.198	0.431	1.184	SLV 3	Si
741	1.441	1827	1.472	0.515	1.416	SLV 15	Si
289	1.305	1400	1.319	0.469	1.288	SLV 3	Si
478	1.531	2148	1.573	0.545	1.499	SLV 15	Si
258	1.439	1821	1.47	0.514	1.414	SLV 3	Si
712	1.93	2474	1.666	0.573	1.575	SLV 15	Si
228	1.602	2423	1.652	0.569	1.564	SLV 3	Si
508	2.04	2474	1.666	0.573	1.575	SLV 15	Si
197	1.801	2474	1.666	0.573	1.575	SLV 3	Si
683	2.805	2474	1.666	0.573	1.575	SLV 15	Si
167	2.058	2474	1.666	0.573	1.575	SLV 3	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	2.254	462	2.107	0.306	2.17	SLD 15	Si
770	2.582	639	1.807	0.349	1.87	SLD 15	Si
449	2.746	741	2.558	0.37	2.621	SLD 15	Si
741	3.262	1146	3.058	0.437	3.094	SLD 15	Si
478	3.467	1346	3.267	0.462	3.276	SLD 15	Si
350	1.868	573	2.302	0.334	2.365	SLD 1	Si
712	4.363	2474	4.193	0.574	4.071	SLD 15	Si
319	2.696	709	2.512	0.363	2.575	SLD 3	Si
289	2.948	882	2.747	0.396	2.807	SLD 3	Si
508	4.616	2474	4.193	0.603	4.276	SLD 15	Si
258	3.25	1135	3.046	0.435	3.083	SLD 3	Si
228	3.619	1509	3.424	0.481	3.412	SLD 3	Si
-22	3.624	1515	3.429	0.482	3.417	SLD 7	Si
-17	4.237	2301	4.07	0.559	3.959	SLD 7	Si
197	4.069	2066	3.894	0.538	3.812	SLD 3	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	1049	-9660	SLU 36	6420	3562	26625	2.5	6.12	-38	-8206	SLU 22	6231	3562	26430	2.5	163.44	Si
741	2X/2Y ø6/24.8	1049	-9809	SLU 36	6440	3562	26645	2.5	6.14	-38	-8355	SLU 22	6251	3562	26450	2.5	163.94	Si
712	2X/2Y ø6/24.8	1049	-9961	SLU 36	6460	3562	26666	2.5	6.16	-38	-8507	SLU 22	6270	3562	26470	2.5	164.46	Si
683	2X/2Y ø6/24.8	1049	-10112	SLU 36	6479	3562	26686	2.5	6.18	-38	-8658	SLU 22	6290	3562	26491	2.5	164.98	Si
653	2X/2Y ø6/24.8	1049	-10264	SLU 36	6499	3562	26707	2.5	6.2	-38	-8810	SLU 22	6310	3562	26511	2.5	165.5	Si
624	2X/2Y ø6/24.8	1049	-10416	SLU 36	6519	3562	26727	2.5	6.21	-38	-8962	SLU 22	6330	3562	26531	2.5	166.01	Si
595	2X/2Y ø6/24.8	1049	-10567	SLU 36	6538	3562	26748	2.5	6.23	-38	-9113	SLU 22	6349	3562	26552	2.5	166.53	Si
566	2X/2Y ø6/24.8	1049	-10719	SLU 36	6558	3562	26768	2.5	6.25	-38	-9265	SLU 22	6369	3562	26572	2.5	167.05	Si
537	2X/2Y ø6/24.8	1049	-10871	SLU 36	6578	3562	26788	2.5	6.27	-38	-9417	SLU 22	6389	3562	26593	2.5	167.57	Si
508	2X/2Y ø6/24.8	1049	-11022	SLU 36	6598	3562	26809	2.5	6.29	-38	-9568	SLU 22	6408	3562	26613	2.5	168.08	Si
478	2X/2Y ø6/24.8	1049	-11174	SLU 36	6617	3562	26829	2.5	6.31	-38	-9720	SLU 22	6428	3562	26633	2.5	168.6	Si
449	2X/2Y ø6/24.8	1049	-11326	SLU 36	6637	3562	26850	2.5	6.33	-38	-9872	SLU 22	6448	3562	26654	2.5	169.12	Si
420	2X/2Y ø6/24.8	1049	-11475	SLU 36	6657	3562	26870	2.5	6.35	-38	-10021	SLU 22	6467	3562	26674	2.5	169.63	Si
350	2X/2Y ø6/23.9	-85	-21817	SLU 24	9255	4223	35583	2.5	108.63	114	-23045	SLU 35	9417	4223	35751	2.5	82.54	Si
319	2X/2Y ø6/23.9	-85	-22015	SLU 24	9281	4223	35610	2.5	108.93	114	-23243	SLU 35	9444	4223	35778	2.5	82.77	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	4732	-7823	SLV 15	6181	3562	26378	2.5	1.31	-560	-3352	SLV 7	5600	3562	25776	2.5	10.01	Si
741	2X/2Y ø6/24.8	4732	-7937	SLV 15	6196	3562	26393	2.5	1.31	-560	-3466	SLV 7	5614	3562	25792	2.5	10.03	Si
712	2X/2Y ø6/24.8	4732	-8054	SLV 15	6211	3562	26409	2.5	1.31	-560	-3583	SLV 7	5630	3562	25807	2.5	10.06	Si
683	2X/2Y ø6/24.8	4732	-8171	SLV 15	6227	3562	26425	2.5	1.32	-560	-3700	SLV 7	5645	3562	25823	2.5	10.09	Si
653	2X/2Y ø6/24.8	4732	-8287	SLV 15	6242	3562	26441	2.5	1.32	-560	-3816	SLV 7	5660	3562	25839	2.5	10.11	Si
624	2X/2Y ø6/24.8	4732	-8404	SLV 15	6257	3562	26456	2.5	1.32	-560	-3933	SLV 7	5675	3562	25854	2.5	10.14	Si
595	2X/2Y ø6/24.8	4732	-8521	SLV 15	6272	3562	26472	2.5	1.33	-560	-4050	SLV 7	5690	3562	25870	2.5	10.17	Si
566	2X/2Y ø6/24.8	4732	-8637	SLV 15	6287	3562	26488	2.5	1.33	-560	-4166	SLV 7	5706	3562	25886	2.5	10.2	Si
537	2X/2Y ø6/24.8	4732	-8754	SLV 15	6303	3562	26503	2.5	1.33	-560	-4283	SLV 7	5721	3562	25902	2.5	10.22	Si
508	2X/2Y ø6/24.8	4732	-8871	SLV 15	6318	3562	26519	2.5	1.34	-560	-4400	SLV 7	5736	3562	25917	2.5	10.25	Si
478	2X/2Y ø6/24.8	4732	-8987	SLV 15	6333	3562	26535	2.5	1.34	-560	-4516	SLV 7	5751	3562	25933	2.5	10.28	Si
449	2X/2Y ø6/24.8	4732	-9104	SLV 15	6348	3562	26551	2.5	1.34	-560	-4633	SLV 7	5766	3562	25949	2.5	10.3	Si
420	2X/2Y ø6/24.8	4732	-9219	SLV 15	6363	3562	26566	2.5	1.34	-560	-4748	SLV 7	5781	3562	25964	2.5	10.33	Si
350	2X/2Y ø6/23.9	-3187	-14243	SLV 1	8253	4223	34546	2.5	2.59	648	-9256	SLV 11	7593	4223	33863	2.5	11.71	Si
319	2X/2Y ø6/23.9	-3187	-14395	SLV 1	8273	4223	34567	2.5	2.6	648	-9408	SLV 11	7613	4223	33884	2.5	11.74	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	2089	-7112	SLD 15	6089	3562	26282	2.5	2.91	-211	-5543	SLD 7	5885	3562	26071	2.5	27.9	Si
741	2X/2Y ø6/24.8	2089	-7227	SLD 15	6104	3562	26298	2.5	2.92	-211	-5658	SLD 7	5900	3562	26087	2.5	27.97	Si
712	2X/2Y ø6/24.8	2089	-7344	SLD 15	6119	3562	26314	2.5	2.93	-211	-5774	SLD 7	5915	3562	26102	2.5	28.04	Si
683	2X/2Y ø6/24.8	2089	-7460	SLD 15	6134	3562	26329	2.5	2.94	-211	-5891	SLD 7	5930	3562	26118	2.5	28.11	Si
653	2X/2Y ø6/24.8	2089	-7577	SLD 15	6149	3562	26345	2.5	2.94	-211	-6008	SLD 7	5945	3562	26134	2.5	28.19	Si
624	2X/2Y ø6/24.8	2089	-7694	SLD 15	6165	3562	26361	2.5	2.95	-211	-6124	SLD 7	5960	3562	26149	2.5	28.26	Si
595	2X/2Y ø6/24.8	2089	-7810	SLD 15	6180	3562	26376	2.5	2.96	-211	-6241	SLD 7	5975	3562	26165	2.5	28.33	Si
566	2X/2Y ø6/24.8	2089	-7927	SLD 15	6195	3562	26392	2.5	2.97	-211	-6358	SLD 7	5991	3562	26181	2.5	28.4	Si
537	2X/2Y ø6/24.8	2089	-8044	SLD 15	6210	3562	26408	2.5	2.97	-211	-6474	SLD 7	6006	3562	26197	2.5	28.47	Si
508	2X/2Y ø6/24.8	2089	-8160	SLD 15	6225	3562	26424	2.5	2.98	-211	-6591	SLD 7	6021	3562	26212	2.5	28.55	Si
478	2X/2Y ø6/24.8	2089	-8277	SLD 15	6240	3562	26439	2.5	2.99	-211	-6708	SLD 7	6036	3562	26228	2.5	28.62	Si
449	2X/2Y ø6/24.8	2089	-8394	SLD 15	6256	3562	26455	2.5	2.99	-211	-6824	SLD 7	6051	3562	26244	2.5	28.69	Si
420	2X/2Y ø6/24.8	2089	-8508	SLD 15	6271	3562	26470	2.5	3	-211	-6939	SLD 7	6066	3562	26259	2.5	28.76	Si
350	2X/2Y ø6/23.9	-1157	-16377	SLD 1	8535	4223	34838	2.5	7.38	279	-14626	SLD 11	8303	4223	34598	2.5	29.79	Si
319	2X/2Y ø6/23.9	-1157	-16529	SLD 1	8555	4223	34859	2.5	7.4	279	-14778	SLD 11	8323	4223	34619	2.5	29.87	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	1.369	1593	1.391	0.491	1.348	SLV 15	Si
741	1.373	1605	1.395	0.492	1.352	SLV 15	Si
712	1.377	1617	1.4	0.493	1.356	SLV 15	Si
683	1.381	1629	1.404	0.495	1.359	SLV 15	Si
653	1.383	1635	1.406	0.495	1.361	SLV 15	Si
624	1.387	1648	1.411	0.497	1.365	SLV 15	Si
595	1.391	1660	1.415	0.498	1.368	SLV 15	Si
566	1.395	1673	1.419	0.499	1.372	SLV 15	Si
537	1.398	1685	1.424	0.501	1.375	SLV 15	Si
508	1.402	1698	1.428	0.502	1.379	SLV 15	Si
478	1.406	1711	1.433	0.503	1.383	SLV 15	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
449	1.41	1723	1.437	0.504	1.386	SLV 15	Si
420	1.414	1736	1.441	0.506	1.39	SLV 15	Si
350	2.28	2474	1.666	0.573	1.575	SLV 3	Si
319	2.28	2474	1.666	0.573	1.575	SLV 3	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	3.9	1844	3.717	0.517	3.662	SLD 15	Si
741	3.912	1859	3.729	0.518	3.672	SLD 15	Si
712	3.924	1874	3.742	0.52	3.683	SLD 15	Si
683	3.936	1889	3.754	0.521	3.693	SLD 15	Si
653	3.941	1896	3.76	0.522	3.698	SLD 15	Si
624	3.953	1911	3.772	0.523	3.708	SLD 15	Si
595	3.965	1926	3.784	0.525	3.718	SLD 15	Si
566	3.977	1942	3.797	0.526	3.729	SLD 15	Si
537	3.988	1957	3.809	0.528	3.74	SLD 15	Si
508	4.001	1973	3.821	0.529	3.751	SLD 15	Si
478	4.008	1983	3.829	0.53	3.757	SLD 15	Si
449	4.021	2001	3.844	0.532	3.769	SLD 15	Si
420	4.035	2020	3.859	0.534	3.781	SLD 15	Si
350	6.496	2474	4.193	0.603	4.276	SLD 3	Si
319	6.496	2474	4.193	0.603	4.276	SLD 3	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 36A

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3	222065	409883	-10066	562916	1039016	SLU 30	2.535	Si
350	18.1	0.9	0	3	-151079	-346864	-7703	-452303	-1038450	SLU 30	2.994	Si
20	18.1	1.8	0	2,3	191805	348515	-9874	603031	1095721	SLU 30	3.144	Si
320	18.1	0.9	0	3	-120416	-284680	-7897	-487082	-1151523	SLU 30	4.045	Si
50	18.1	1.8	0	2,3	160221	284461	-9674	662064	1175447	SLU 30	4.132	Si
80	18.1	0.9	0	3	129039	221223	-9477	737057	1263602	SLU 30	5.712	Si
290	18.1	0.9	0	3	-89234	-221442	-8095	-536559	-1331511	SLU 30	6.013	Si
-80	18.1	0.9	0	2	-42675	-223449	-18223	-328885	-1722068	SLU 30	7.707	Si
-110	18.1	0.9	0	2	-33074	-202153	-18417	-272090	-1663037	SLU 30	8.227	Si
110	18.1	0.9	0	3	97857	157985	-9279	823101	1328852	SLU 30	8.411	Si
-140	18.1	0.9	0	2	-23311	-180497	-18614	-203644	-1576807	SLU 30	8.736	Si
-170	18.1	0.9	0	2	-13548	-158840	-18812	-125488	-1471268	SLU 30	9.263	Si
-500	18.1	1.8	0	1,2	93684	79020	-20980	897304	756851	SLU 30	9.578	Si
-200	18.1	0.9	0	2	-3627	-136835	-19013	-35582	-1342274	SLU 30	9.809	Si
260	18.1	0.9	0	3	-58052	-158204	-8292	-572102	-1559086	SLU 30	9.855	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	2,3	1017160	2459147	-10630	304787	736873	SLV 1	0.3				No
20	18.1	1.8	0	2,3	1922735	659738	417	682142	234060	SLV 5	0.355				No
350	18.1	0.9	0	3	-782083	-2019024	-8813	-286217	-738898	SLV 1	0.366				No
50	18.1	1.8	0	2,3	1589633	538333	571	680526	230462	SLV 5	0.428				No
320	18.1	0.9	0	3	-634448	-1643070	-8962	-291178	-754082	SLV 1	0.459				No
80	18.1	0.9	0	3	1260797	418050	723	678113	224846	SLV 5	0.538				No
290	18.1	0.9	0	3	-484384	-1261001	-9114	-299678	-780154	SLV 1	0.619				No
110	18.1	0.9	0	3	872388	-247548	4679	626948	-177902	SLV 9	0.719				No
260	18.1	0.9	0	3	-713243	-395722	1634	-648510	-359806	SLV 5	0.909				No
140	18.1	0.9	0	3	566809	-171115	4831	596440	-180061	SLV 9	1.052				Si
-80	18.1	0.9	0	2	146534	-482124	9116	155980	-513205	SLV 9	1.064				Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-500	18.1	1.8	0	1,2	250493	623252	-205	276476	687900	SLV 5	1.104				Si
-110	18.1	0.9	0	2	135036	-418204	8966	160160	-496011	SLV 9	1.186				Si
-470	18.1	1.8	0	1,2	227759	540928	-55	288069	684165	SLV 5	1.265				Si
-140	18.1	0.9	0	2	123492	-352922	8815	165770	-473744	SLV 9	1.342				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3	539631	1245676	-8639	335048	773418	SLD 1	0.621	No
20	18.1	1.8	0	2,3	462906	1063857	-8492	343425	789264	SLD 1	0.742	No
350	18.1	0.9	0	3	-407430	-1027204	-6822	-305714	-770761	SLD 1	0.75	No
50	18.1	1.8	0	2,3	382840	874046	-8338	356301	813455	SLD 1	0.931	No
320	18.1	0.9	0	3	-329702	-836908	-6971	-313794	-796529	SLD 1	0.952	No
80	18.1	0.9	0	3	609841	269842	-3363	751958	332726	SLD 5	1.233	Si
290	18.1	0.9	0	3	-250689	-643501	-7123	-327769	-841360	SLD 1	1.307	Si
110	18.1	0.9	0	3	451739	191940	-3211	776432	329899	SLD 5	1.719	Si
260	18.1	0.9	0	3	-171748	-450334	-7275	-356525	-934828	SLD 1	2.076	Si
140	18.1	0.9	0	3	277525	-39541	-1376	751971	-107140	SLD 9	2.71	Si
-80	18.1	0.9	0	2	47057	-301896	-2986	129308	-829573	SLD 9	2.748	Si
-110	18.1	0.9	0	2	45895	-265043	-3135	149658	-864280	SLD 9	3.261	Si
-500	18.1	1.8	0	1,2	148812	308945	-8293	533316	1107207	SLD 5	3.584	Si
-140	18.1	0.9	0	2	44778	-227442	-3287	180338	-915997	SLD 9	4.027	Si
-470	18.1	1.8	0	1,2	134826	263947	-8143	591939	1158827	SLD 5	4.39	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.245	37	0.297	0.092	0.254	SLV 1	No
20	0.31	59	0.36	0.118	0.324	SLV 1	No
350	0.31	59	0.36	0.118	0.324	SLV 1	No
50	0.408	101	0.449	0.155	0.426	SLV 1	No
320	0.417	105	0.456	0.158	0.434	SLV 1	No
80	0.544	182	0.572	0.204	0.561	SLV 5	No
290	0.597	222	0.62	0.223	0.613	SLV 1	No
110	0.73	345	0.743	0.27	0.741	SLV 9	No
260	0.914	573	0.915	0.334	0.917	SLV 5	No
140	1.047	796	1.047	0.38	1.045	SLV 9	Si
-80	1.059	817	1.058	0.384	1.056	SLV 9	Si
-500	1.079	857	1.079	0.392	1.076	SLV 5	Si
-110	1.16	1026	1.162	0.42	1.153	SLV 9	Si
-470	1.192	1104	1.197	0.431	1.184	SLV 5	Si
-140	1.281	1335	1.294	0.461	1.267	SLV 9	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.554	25	0.637	0.076	0.536	SLD 1	No
20	0.701	41	0.781	0.099	0.699	SLD 1	No
350	0.701	41	0.781	0.099	0.699	SLD 1	No
50	0.922	70	0.972	0.13	0.919	SLD 1	No
320	0.943	74	0.995	0.133	0.941	SLD 1	No
80	1.229	125	1.233	0.172	1.219	SLD 5	Si
290	1.348	151	1.332	0.188	1.332	SLD 1	Si
110	1.652	235	1.597	0.229	1.621	SLD 9	Si
260	2.066	382	1.949	0.282	2	SLD 5	Si
140	2.365	516	2.205	0.32	2.27	SLD 9	Si
-80	2.392	531	2.231	0.324	2.295	SLD 9	Si
-110	2.623	664	1.845	0.354	2.508	SLD 9	Si
-500	1.838	556	2.274	0.33	2.337	SLD 5	Si
-140	2.898	845	2.699	0.39	2.761	SLD 9	Si
-470	2.693	707	2.509	0.363	2.572	SLD 5	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-2108	-7703	SLU 30	7387	4203	33650	2.5	3.5	-1039	-7703	SLU 30	7387	4203	33650	2.5	7.11	Si
320	2X/2Y ø6/24	-2108	-7897	SLU 30	7413	4203	33677	2.5	3.52	-1039	-7897	SLU 30	7413	4203	33677	2.5	7.13	Si
290	2X/2Y ø6/24	-2108	-8095	SLU 30	7439	4203	33704	2.5	3.53	-1039	-8095	SLU 30	7439	4203	33704	2.5	7.16	Si
260	2X/2Y ø6/24	-2108	-8292	SLU 30	7465	4203	33731	2.5	3.54	-1039	-8292	SLU 30	7465	4203	33731	2.5	7.18	Si
230	2X/2Y ø6/24	-2108	-8489	SLU 30	7491	4203	33758	2.5	3.55	-1039	-8489	SLU 30	7491	4203	33758	2.5	7.21	Si
200	2X/2Y ø6/24	-2108	-8687	SLU 30	7517	4203	33785	2.5	3.57	-1039	-8687	SLU 30	7517	4203	33785	2.5	7.23	Si
170	2X/2Y ø6/24	-2108	-8884	SLU 30	7543	4203	33812	2.5	3.58	-1039	-8884	SLU 30	7543	4203	33812	2.5	7.26	Si
140	2X/2Y ø6/24	-2108	-9082	SLU 30	7570	4203	33839	2.5	3.59	-1039	-9082	SLU 30	7570	4203	33839	2.5	7.28	Si
110	2X/2Y ø6/24	-2108	-9279	SLU 30	7596	4203	33866	2.5	3.6	-1039	-9279	SLU 30	7596	4203	33866	2.5	7.31	Si
80	2X/2Y ø6/24	-2108	-9477	SLU 30	7622	4203	33893	2.5	3.62	-1039	-9477	SLU 30	7622	4203	33893	2.5	7.33	Si
50	2X/2Y ø6/24	-2108	-9674	SLU 30	7648	4203	33920	2.5	3.63	-1039	-9674	SLU 30	7648	4203	33920	2.5	7.36	Si
20	2X/2Y ø6/24	-2108	-9874	SLU 30	7674	4203	33948	2.5	3.64	-1039	-9874	SLU 30	7674	4203	33948	2.5	7.38	Si
-10	2X/2Y ø6/24	-2108	-10066	SLU 30	7700	4203	33974	2.5	3.65	-1039	-10066	SLU 30	7700	4203	33974	2.5	7.41	Si
-80	2X/2Y ø6/24.7	-727	-17261	SLU 36	8652	4082	34959	2.5	11.9	-323	-17043	SLU 20	8623	4082	34929	2.5	26.7	Si
-110	2X/2Y ø6/24.7	-727	-17455	SLU 36	8678	4082	34985	2.5	11.93	-323	-17237	SLU 20	8649	4082	34956	2.5	26.78	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
200	2X/2Y ø6/24	12788	5479	SLV 13	6368	4203	32596	2.5	0.5	-13618	3236	SLV 5	6368	4203	32596	2.5	0.47	No
170	2X/2Y ø6/24	12788	5328	SLV 13	6368	4203	32596	2.5	0.5	-13618	3084	SLV 5	6368	4203	32596	2.5	0.47	No
140	2X/2Y ø6/24	12788	5176	SLV 13	6368	4203	32596	2.5	0.5	-13618	2932	SLV 5	6368	4203	32596	2.5	0.47	No
110	2X/2Y ø6/24	12788	5024	SLV 13	6368	4203	32596	2.5	0.5	-13618	2780	SLV 5	6368	4203	32596	2.5	0.47	No
80	2X/2Y ø6/24	12788	4872	SLV 13	6368	4203	32596	2.5	0.5	-13618	2628	SLV 5	6368	4203	32596	2.5	0.47	No
350	2X/2Y ø6/24	12788	6237	SLV 13	6368	4203	32596	2.5	0.5	-13618	3993	SLV 5	6368	4203	32596	2.5	0.47	No
290	2X/2Y ø6/24	12788	5935	SLV 13	6368	4203	32596	2.5	0.5	-13618	3692	SLV 5	6368	4203	32596	2.5	0.47	No
260	2X/2Y ø6/24	12788	5784	SLV 13	6368	4203	32596	2.5	0.5	-13618	3540	SLV 5	6368	4203	32596	2.5	0.47	No
230	2X/2Y ø6/24	12788	5632	SLV 13	6368	4203	32596	2.5	0.5	-13618	3388	SLV 5	6368	4203	32596	2.5	0.47	No
320	2X/2Y ø6/24	12788	6087	SLV 13	6368	4203	32596	2.5	0.5	-13618	3843	SLV 5	6368	4203	32596	2.5	0.47	No
50	2X/2Y ø6/24	12788	4720	SLV 13	6368	4203	32596	2.5	0.5	-13618	2477	SLV 5	6368	4203	32596	2.5	0.47	No
20	2X/2Y ø6/24	12788	4567	SLV 13	6368	4203	32596	2.5	0.5	-13618	2323	SLV 5	6368	4203	32596	2.5	0.47	No
-10	2X/2Y ø6/24	12788	4419	SLV 13	6368	4203	32596	2.5	0.5	-13618	2175	SLV 5	6368	4203	32596	2.5	0.47	No
-80	2X/2Y ø6/24.7	-3382	5689	SLV 5	6368	4082	32596	2.5	1.88	2007	9372	SLV 13	6368	4082	32596	2.5	3.17	Si
-110	2X/2Y ø6/24.7	-3382	5539	SLV 5	6368	4082	32596	2.5	1.88	2007	9222	SLV 13	6368	4082	32596	2.5	3.17	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-6242	-6822	SLD 1	7271	4203	33530	2.5	1.16	-5272	-1998	SLD 5	6632	4203	32869	2.5	1.26	Si
320	2X/2Y ø6/24	-6242	-6971	SLD 1	7290	4203	33550	2.5	1.17	-5272	-2148	SLD 5	6652	4203	32890	2.5	1.26	Si
290	2X/2Y ø6/24	-6242	-7123	SLD 1	7310	4203	33571	2.5	1.17	-5272	-2300	SLD 5	6672	4203	32911	2.5	1.27	Si

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
260	2X/2Y ø6/24	-6242	-7275	SLD 1	7330	4203	33592	2.5	1.17	-5272	-2451	SLD 5	6692	4203	32932	2.5	1.27	Si
230	2X/2Y ø6/24	-6242	-7427	SLD 1	7351	4203	33613	2.5	1.18	-5272	-2603	SLD 5	6712	4203	32952	2.5	1.27	Si
200	2X/2Y ø6/24	-6242	-7579	SLD 1	7371	4203	33633	2.5	1.18	-5272	-2756	SLD 5	6732	4203	32973	2.5	1.28	Si
170	2X/2Y ø6/24	-6242	-7730	SLD 1	7391	4203	33654	2.5	1.18	-5272	-2907	SLD 5	6752	4203	32994	2.5	1.28	Si
140	2X/2Y ø6/24	-6242	-7882	SLD 1	7411	4203	33675	2.5	1.19	-5272	-3059	SLD 5	6773	4203	33015	2.5	1.28	Si
110	2X/2Y ø6/24	-6242	-8034	SLD 1	7431	4203	33696	2.5	1.19	-5272	-3211	SLD 5	6793	4203	33035	2.5	1.29	Si
80	2X/2Y ø6/24	-6242	-8186	SLD 1	7451	4203	33717	2.5	1.19	-5272	-3363	SLD 5	6813	4203	33056	2.5	1.29	Si
50	2X/2Y ø6/24	-6242	-8338	SLD 1	7471	4203	33737	2.5	1.2	-5272	-3515	SLD 5	6833	4203	33077	2.5	1.3	Si
20	2X/2Y ø6/24	-6242	-8492	SLD 1	7492	4203	33758	2.5	1.2	-5272	-3668	SLD 5	6853	4203	33098	2.5	1.3	Si
-10	2X/2Y ø6/24	-6242	-8639	SLD 1	7511	4203	33779	2.5	1.2	-5272	-3816	SLD 5	6873	4203	33118	2.5	1.3	Si
-80	2X/2Y ø6/24.7	-1526	-6171	SLD 5	7184	4082	33441	2.5	4.71	-986	-15497	SLD 1	8419	4082	34717	2.5	8.54	Si
-110	2X/2Y ø6/24.7	-1526	-6321	SLD 5	7204	4082	33461	2.5	4.72	-986	-15647	SLD 1	8438	4082	34738	2.5	8.56	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
200	0.438	116	0.475	0.166	0.455	SLV 1	No
170	0.439	117	0.477	0.166	0.457	SLV 1	No
140	0.441	118	0.479	0.167	0.459	SLV 1	No
110	0.442	119	0.48	0.168	0.46	SLV 1	No
80	0.444	120	0.482	0.168	0.462	SLV 1	No
350	0.43	112	0.468	0.163	0.447	SLV 1	No
290	0.434	114	0.472	0.164	0.451	SLV 1	No
260	0.435	114	0.472	0.164	0.451	SLV 1	No
230	0.437	116	0.475	0.166	0.455	SLV 1	No
320	0.432	113	0.47	0.163	0.449	SLV 1	No
50	0.445	120	0.482	0.168	0.462	SLV 1	No
20	0.447	121	0.484	0.169	0.464	SLV 1	No
-10	0.448	122	0.485	0.17	0.466	SLV 1	No
-80	2.043	2474	1.666	0.573	1.575	SLV 5	Si
-110	2.043	2474	1.666	0.573	1.575	SLV 5	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.225	124	1.229	0.171	1.214	SLD 1	Si
320	1.23	125	1.233	0.172	1.219	SLD 1	Si
290	1.234	126	1.237	0.173	1.225	SLD 1	Si
260	1.238	128	1.245	0.174	1.23	SLD 1	Si
230	1.242	128	1.245	0.174	1.23	SLD 1	Si
200	1.246	129	1.249	0.174	1.235	SLD 1	Si
170	1.25	130	1.253	0.175	1.24	SLD 1	Si
140	1.254	131	1.257	0.176	1.245	SLD 1	Si
110	1.26	132	1.261	0.176	1.25	SLD 1	Si
80	1.266	133	1.265	0.177	1.255	SLD 1	Si
50	1.27	134	1.269	0.178	1.26	SLD 1	Si
20	1.273	134	1.269	0.178	1.26	SLD 1	Si
-10	1.277	135	1.273	0.178	1.265	SLD 1	Si
-80	5.819	2474	4.193	0.603	4.276	SLD 5	Si
-110	5.819	2474	4.193	0.603	4.276	SLD 5	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 36C

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 50x90	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
-10	350	R 50x90	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x80	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-19.2	-39.2	1.8	2.540	-542	-500	R 50x90	FeB 32k liscio LC1
p.1	19.2	-39.2	1.8	2.540	-542	-500	R 50x90	FeB 32k liscio LC1
p.1	19.2	39.2	1.8	2.540	-542	-500	R 50x90	FeB 32k liscio LC1
p.1	-19.2	39.2	1.8	2.540	-542	-500	R 50x90	FeB 32k liscio LC1
p.2	-19.2	-39.2	1.8	2.540	-500	-10	R 50x90	FeB 32k liscio LC1
p.2	19.2	-39.2	1.8	2.540	-500	-10	R 50x90	FeB 32k liscio LC1
p.2	19.2	39.2	1.8	2.540	-500	-10	R 50x90	FeB 32k liscio LC1
p.2	-19.2	39.2	1.8	2.540	-500	-10	R 50x90	FeB 32k liscio LC1
p.3	-19.2	-39.2	1.8	2.540	-10	420	R 50x90	FeB 32k liscio LC1
p.5	19.2	-39.2	1.8	2.540	-10	420	R 50x90	FeB 32k liscio LC1
p.5	-19.2	39.2	1.8	2.540	-10	420	R 50x90	FeB 32k liscio LC1
p.6	19.2	39.2	1.8	2.540	-10	420	R 50x90	FeB 32k liscio LC1
p.7	-9.7	-29.7	1.8	2.540	420	770	R 40x80	FeB 32k liscio LC1
p.7	19.7	-29.7	1.8	2.540	420	770	R 40x80	FeB 32k liscio LC1
p.7	19.7	39.7	1.8	2.540	420	770	R 40x80	FeB 32k liscio LC1
p.7	-9.7	39.7	1.8	2.540	420	770	R 40x80	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
770	18.1	0.6	0	7	545358	237237	-9906	2106597	916394	SLU 30	3.863	Si
420	18.1	1.1	0	4,5,6,7	-355394	-304352	-13536	-1581981	-1354775	SLU 30	4.451	Si
-500	18.1	0.8	0	1,2	-1033649	79562	-80352	-5112906	393551	SLU 30	4.946	Si
741	18.1	0.6	0	7	471370	192751	-10205	2358310	964351	SLU 30	5.003	Si
-470	18.1	0.8	0	1,2	-900746	87045	-79921	-4664770	450786	SLU 30	5.179	Si
-80	18.1	0.4	0	2	854024	185842	-74224	4617975	1004909	SLU 30	5.407	Si
-440	18.1	0.8	0	1,2	-765591	94654	-79482	-4157585	514026	SLU 30	5.431	Si
-110	18.1	0.4	0	2	721121	178360	-74656	4080959	1009371	SLU 30	5.659	Si
-410	18.1	0.4	0	2	-630435	102264	-79043	-3589343	582234	SLU 30	5.693	Si
449	18.1	1.1	0	4,5,6,7	-281406	-259866	-13238	-1633158	-1508146	SLU 30	5.804	Si
-380	18.1	0.4	0	2	-495279	109874	-78605	-2894836	642195	SLU 30	5.845	Si
-350	18.1	0.4	0	2	-360124	117483	-78166	-2116686	690526	SLU 30	5.878	Si
-320	18.1	0.4	0	2	-224968	125093	-77727	-1329751	739403	SLU 30	5.911	Si
-140	18.1	0.4	0	2	585965	170750	-75095	3468530	1010729	SLU 30	5.919	Si
-290	18.1	0.4	0	2	-89813	132702	-77288	-533881	788835	SLU 30	5.944	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	0.8	0	2,3,5,6	1097976	-7170665	-20662	135319	-883739	SLV 11	0.123				No
20	18.1	0.8	0	2,3,5,6	961306	-6159308	-20334	139222	-892026	SLV 11	0.145				No
350	18.1	0.4	0	3,5,6	2991219	5274656	-25727	512252	903296	SLV 7	0.171				No
50	18.1	0.8	0	2,3,5,6	818391	-5103701	-19992	145027	-904428	SLV 11	0.177				No
320	18.1	0.4	0	3,5,6	2359340	4276841	-26059	512765	929503	SLV 7	0.217				No
80	18.1	0.4	0	3,5,6	676892	-4061567	-19655	153734	-922452	SLV 11	0.227				No
290	18.1	0.4	0	3,5,6	1721523	3234754	-26396	520056	977188	SLV 7	0.302				No
110	18.1	0.4	0	3,5,6	534707	-3019485	-19317	169061	-954685	SLV 11	0.316				No
420	18.1	1.1	0	4,5,6,7	1280300	-1883809	-14640	481722	-708796	SLV 11	0.376				No
770	18.1	0.6	0	7	-76458	-1406187	4862	-32957	-606126	SLV 9	0.431				No
449	18.1	1.1	0	4,5,6,7	1123964	-1595027	-14411	510523	-724487	SLV 11	0.454				No
260	18.1	0.4	0	3,5,6	-111905	2094891	-17630	-53786	1006901	SLV 11	0.481				No
140	18.1	0.4	0	3,5,6	391223	-1977536	-18980	203468	-1028481	SLV 11	0.52				No
741	18.1	0.6	0	7	-66920	-1134945	4633	-35409	-600524	SLV 9	0.529				No
478	18.1	1.1	0	4,5,6,7	-18986	1119151	2533	-10482	617859	SLV 9	0.552				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	0.8	0	2,3,5,6	319587	-3339804	-26933	95352	-996462	SLD 11	0.298	No
20	18.1	0.8	0	2,3,5,6	291583	-2867360	-26605	104274	-1025407	SLD 11	0.358	No
350	18.1	0.4	0	3,5,6	1557294	2474524	-26920	654205	1039525	SLD 7	0.42	No
50	18.1	0.8	0	2,3,5,6	262235	-2374245	-26263	118297	-1071048	SLD 11	0.451	No
320	18.1	0.4	0	3,5,6	1244809	2007741	-27251	691711	1115654	SLD 7	0.556	No
80	18.1	0.4	0	3,5,6	233080	-1887423	-25926	141735	-1147735	SLD 11	0.608	No
420	18.1	1.1	0	4,5,6,7	-364032	-1003306	-15467	-300905	-829321	SLD 7	0.827	No
290	18.1	0.4	0	3,5,6	929131	1520940	-27589	777816	1273244	SLD 7	0.837	No
110	18.1	0.4	0	3,5,6	203617	-1400623	-25588	189967	-1306731	SLD 11	0.933	No
770	18.1	0.6	0	7	605491	846905	-12675	580839	812424	SLD 7	0.959	No
449	18.1	1.1	0	4,5,6,7	383257	-800407	-11876	390963	-816501	SLD 11	1.02	Si
741	18.1	0.6	0	7	-42309	671360	-9542	-51513	817409	SLD 11	1.218	Si
478	18.1	1.1	0	4,5,6,7	343724	-653844	-11642	456206	-867810	SLD 11	1.327	Si
260	18.1	0.4	0	3,5,6	84987	990869	-23901	137126	1598756	SLD 11	1.613	Si
712	18.1	0.6	0	7	-6760	542693	-9776	-11026	885107	SLD 11	1.631	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.165	17	0.216	0.061	0.168	SLV 11	No
20	0.198	24	0.249	0.074	0.202	SLV 11	No
350	0.219	30	0.273	0.083	0.227	SLV 7	No
50	0.244	37	0.297	0.092	0.254	SLV 11	No
320	0.283	50	0.337	0.108	0.298	SLV 7	No
80	0.312	60	0.363	0.119	0.327	SLV 11	No
290	0.392	93	0.434	0.149	0.409	SLV 7	No
110	0.423	109	0.463	0.161	0.442	SLV 11	No
420	0.36	79	0.406	0.137	0.377	SLV 7	No
770	0.423	108	0.462	0.16	0.44	SLV 7	No
449	0.451	124	0.488	0.171	0.47	SLV 11	No
260	0.588	215	0.612	0.22	0.605	SLV 11	No
140	0.639	257	0.659	0.238	0.653	SLV 11	No
741	0.539	179	0.568	0.203	0.557	SLV 11	No
478	0.582	210	0.606	0.218	0.599	SLV 11	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.373	11	0.455	0.049	0.346	SLD 11	No
20	0.446	16	0.531	0.06	0.428	SLD 11	No
350	0.496	20	0.582	0.068	0.485	SLD 7	No
50	0.551	25	0.637	0.076	0.536	SLD 11	No
320	0.641	34	0.723	0.089	0.628	SLD 7	No
80	0.705	41	0.781	0.099	0.699	SLD 11	No
420	0.814	56	0.887	0.115	0.817	SLD 7	No
290	0.885	65	0.943	0.124	0.881	SLD 7	No
110	0.957	76	1.005	0.135	0.955	SLD 11	Si
770	0.957	76	1.005	0.135	0.955	SLD 7	Si
449	1.02	86	1.058	0.143	1.017	SLD 11	Si
741	1.219	123	1.225	0.171	1.209	SLD 11	Si
478	1.316	144	1.307	0.184	1.304	SLD 11	Si
260	1.33	148	1.321	0.186	1.318	SLD 11	Si
712	1.586	214	1.537	0.22	1.557	SLD 11	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	1552	-9906	SLU 30	11616	3526	51984	2.5	7.49	2626	-10256	SLU 36	10341	7591	56004	2.5	3.94	Si
741	2X/2Y ø6/25	1552	-10205	SLU 30	11655	3526	52024	2.5	7.51	2626	-10555	SLU 36	10383	7591	56047	2.5	3.95	Si
712	2X/2Y ø6/25	1552	-10508	SLU 30	11694	3526	52065	2.5	7.54	2626	-10858	SLU 36	10426	7591	56091	2.5	3.97	Si
683	2X/2Y ø6/25	1552	-10811	SLU 30	11734	3526	52105	2.5	7.56	2626	-11161	SLU 36	10468	7591	56135	2.5	3.99	Si
653	2X/2Y ø6/25	1552	-11115	SLU 30	11773	3526	52146	2.5	7.59	2626	-11465	SLU 36	10511	7591	56179	2.5	4	Si
624	2X/2Y ø6/25	1552	-11418	SLU 30	11813	3526	52187	2.5	7.61	2626	-11768	SLU 36	10553	7591	56223	2.5	4.02	Si
595	2X/2Y ø6/25	1552	-11721	SLU 30	11852	3526	52228	2.5	7.64	2626	-12071	SLU 36	10595	7591	56267	2.5	4.03	Si
566	2X/2Y ø6/25	1552	-12025	SLU 30	11891	3526	52269	2.5	7.66	2626	-12375	SLU 36	10638	7591	56311	2.5	4.05	Si

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
537	2X/2Y ø6/25	1552	-12328	SLU 30	11931	3526	52310	2.5	7.69	2626	-12678	SLU 36	10680	7591	56355	2.5	4.07	Si
508	2X/2Y ø6/25	1552	-12631	SLU 30	11970	3526	52350	2.5	7.71	2626	-12981	SLU 36	10723	7591	56399	2.5	4.08	Si
478	2X/2Y ø6/25	1552	-12935	SLU 30	12010	3526	52391	2.5	7.74	2626	-13285	SLU 36	10765	7591	56443	2.5	4.1	Si
449	2X/2Y ø6/25	1552	-13238	SLU 30	12049	3526	52432	2.5	7.76	2626	-13588	SLU 36	10808	7591	56487	2.5	4.12	Si
420	2X/2Y ø6/25	1552	-13536	SLU 30	12088	3526	52472	2.5	7.79	2626	-13886	SLU 36	10850	7591	56530	2.5	4.13	Si
-80	2X/2Y ø6/24.7	304	-61432	SLU 12	21866	4545	81008	2.5	71.95	4607	-61068	SLU 26	20745	8659	85680	2.5	4.5	Si
-110	2X/2Y ø6/24.7	304	-61764	SLU 12	21910	4545	81054	2.5	72.09	4607	-61499	SLU 26	20806	8659	85742	2.5	4.52	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	43374	-13699	SLV 11	15537	4679	74461	2.5	0.36	-55590	-11279	SLV 13	13758	8913	78452	2.5	0.25	No
320	2X/2Y ø6/24	43374	-14031	SLV 11	15581	4679	74506	2.5	0.36	-55590	-11611	SLV 13	13805	8913	78500	2.5	0.25	No
290	2X/2Y ø6/24	43374	-14369	SLV 11	15625	4679	74552	2.5	0.36	-55590	-11948	SLV 13	13852	8913	78549	2.5	0.25	No
260	2X/2Y ø6/24	43374	-14706	SLV 11	15670	4679	74599	2.5	0.36	-55590	-12286	SLV 13	13900	8913	78598	2.5	0.25	No
230	2X/2Y ø6/24	43374	-15044	SLV 11	15715	4679	74645	2.5	0.36	-55590	-12623	SLV 13	13947	8913	78647	2.5	0.25	No
200	2X/2Y ø6/24	43374	-15382	SLV 11	15760	4679	74691	2.5	0.36	-55590	-12961	SLV 13	13994	8913	78696	2.5	0.25	No
170	2X/2Y ø6/24	43374	-15719	SLV 11	15804	4679	74738	2.5	0.36	-55590	-13298	SLV 13	14042	8913	78745	2.5	0.25	No
140	2X/2Y ø6/24	43374	-16056	SLV 11	15849	4679	74784	2.5	0.37	-55590	-13636	SLV 13	14089	8913	78794	2.5	0.25	No
110	2X/2Y ø6/24	43374	-16394	SLV 11	15894	4679	74830	2.5	0.37	-55590	-13973	SLV 13	14136	8913	78843	2.5	0.25	No
80	2X/2Y ø6/24	43374	-16731	SLV 11	15939	4679	74876	2.5	0.37	-55590	-14311	SLV 13	14184	8913	78892	2.5	0.26	No
50	2X/2Y ø6/24	43374	-17069	SLV 11	15983	4679	74923	2.5	0.37	-55590	-14648	SLV 13	14231	8913	78941	2.5	0.26	No
20	2X/2Y ø6/24	43374	-17411	SLV 11	16029	4679	74970	2.5	0.37	-55590	-14990	SLV 13	14279	8913	78990	2.5	0.26	No
-10	2X/2Y ø6/24	43374	-17738	SLV 11	16072	4679	75015	2.5	0.37	-55590	-15318	SLV 13	14325	8913	79038	2.5	0.26	No
537	2X/2Y ø6/25	-11138	6162	SLV 9	10327	3526	50650	2.5	0.93	-19039	3666	SLV 15	8905	7591	54518	2.5	0.47	No
508	2X/2Y ø6/25	-11138	5928	SLV 9	10327	3526	50650	2.5	0.93	-19039	3433	SLV 15	8905	7591	54518	2.5	0.47	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	16229	-22894	SLD 11	16756	4679	75722	2.5	1.03	22222	-33689	SLD 3	16903	8913	81705	2.5	0.76	No
320	2X/2Y ø6/24	16229	-23226	SLD 11	16800	4679	75767	2.5	1.04	22222	-34021	SLD 3	16950	8913	81753	2.5	0.76	No
290	2X/2Y ø6/24	16229	-23563	SLD 11	16845	4679	75814	2.5	1.04	22222	-34358	SLD 3	16997	8913	81802	2.5	0.76	No
260	2X/2Y ø6/24	16229	-23901	SLD 11	16889	4679	75860	2.5	1.04	22222	-34696	SLD 3	17044	8913	81851	2.5	0.77	No
230	2X/2Y ø6/24	16229	-24238	SLD 11	16934	4679	75906	2.5	1.04	22222	-35033	SLD 3	17092	8913	81900	2.5	0.77	No
200	2X/2Y ø6/24	16229	-24576	SLD 11	16979	4679	75953	2.5	1.05	22222	-35371	SLD 3	17139	8913	81949	2.5	0.77	No
170	2X/2Y ø6/24	16229	-24913	SLD 11	17024	4679	75999	2.5	1.05	22222	-35708	SLD 3	17187	8913	81998	2.5	0.77	No
140	2X/2Y ø6/24	16229	-25251	SLD 11	17068	4679	76045	2.5	1.05	22222	-36046	SLD 3	17234	8913	82047	2.5	0.78	No
110	2X/2Y ø6/24	16229	-25588	SLD 11	17113	4679	76091	2.5	1.05	22222	-36383	SLD 3	17281	8913	82096	2.5	0.78	No
80	2X/2Y ø6/24	16229	-25926	SLD 11	17158	4679	76138	2.5	1.06	22222	-36721	SLD 3	17329	8913	82145	2.5	0.78	No
50	2X/2Y ø6/24	16229	-26263	SLD 11	17203	4679	76184	2.5	1.06	22222	-37058	SLD 3	17376	8913	82194	2.5	0.78	No
20	2X/2Y ø6/24	16229	-26605	SLD 11	17248	4679	76231	2.5	1.06	22222	-37400	SLD 3	17424	8913	82244	2.5	0.78	No
-10	2X/2Y ø6/24	16229	-26933	SLD 11	17291	4679	76276	2.5	1.07	22222	-37727	SLD 3	17470	8913	82291	2.5	0.79	No
770	2X/2Y ø6/25	5287	-12675	SLD 7	11976	3526	52356	2.5	2.27	9194	-11795	SLD 1	10557	7591	56227	2.5	1.15	Si
741	2X/2Y ø6/25	5287	-12905	SLD 7	12006	3526	52387	2.5	2.27	9194	-12025	SLD 1	10589	7591	56260	2.5	1.15	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.255	40	0.307	0.096	0.265	SLV 3	No
320	0.256	41	0.31	0.098	0.268	SLV 3	No
290	0.257	41	0.31	0.098	0.268	SLV 3	No
260	0.257	41	0.31	0.098	0.268	SLV 3	No
230	0.258	41	0.31	0.098	0.268	SLV 3	No
200	0.259	42	0.313	0.099	0.271	SLV 3	No
170	0.26	42	0.313	0.099	0.271	SLV 3	No
140	0.261	42	0.313	0.099	0.271	SLV 3	No
110	0.262	43	0.316	0.1	0.275	SLV 3	No
80	0.263	43	0.316	0.1	0.275	SLV 3	No
50	0.264	43	0.316	0.1	0.275	SLV 3	No
20	0.264	43	0.316	0.1	0.275	SLV 3	No
-10	0.265	44	0.319	0.101	0.278	SLV 3	No
537	0.436	115	0.474	0.165	0.453	SLV 1	No
508	0.438	116	0.475	0.166	0.455	SLV 1	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.727	44	0.804	0.101	0.718	SLD 3	No
320	0.729	45	0.811	0.103	0.727	SLD 3	No
290	0.73	45	0.811	0.103	0.727	SLD 3	No
260	0.732	45	0.811	0.103	0.727	SLD 3	No
230	0.736	46	0.818	0.104	0.737	SLD 3	No
200	0.738	46	0.818	0.104	0.737	SLD 3	No
170	0.74	46	0.818	0.104	0.737	SLD 3	No
140	0.742	46	0.818	0.104	0.737	SLD 3	No
110	0.746	47	0.826	0.105	0.746	SLD 3	No
80	0.748	47	0.826	0.105	0.746	SLD 3	No
50	0.75	47	0.826	0.105	0.746	SLD 3	No
20	0.752	47	0.826	0.105	0.746	SLD 3	No
-10	0.756	48	0.833	0.107	0.755	SLD 3	No
770	1.203	120	1.213	0.168	1.193	SLD 1	Si
741	1.207	121	1.217	0.169	1.199	SLD 1	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 37

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-70	R 30x30	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
-10	360	R 30x30	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	780	R 30x30	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-10.27	-10.27	2.2	3.801	-542	-500	R 30x30	FeB 32k liscio LC1
p.1	10.27	-10.27	2.2	3.801	-542	-500	R 30x30	FeB 32k liscio LC1
p.1	10.27	10.27	2.2	3.801	-542	-500	R 30x30	FeB 32k liscio LC1
p.1	-10.27	10.27	2.2	3.801	-542	-500	R 30x30	FeB 32k liscio LC1
p.2	-10.27	-10.27	2.2	3.801	-500	-10	R 30x30	FeB 32k liscio LC1
p.2	10.27	-10.27	2.2	3.801	-500	-10	R 30x30	FeB 32k liscio LC1
p.2	10.27	10.27	2.2	3.801	-500	-10	R 30x30	FeB 32k liscio LC1
p.2	-10.27	10.27	2.2	3.801	-500	-10	R 30x30	FeB 32k liscio LC1
p.3	-10.27	-10.27	2.2	3.801	-10	420	R 30x30	FeB 32k liscio LC1
p.3	10.27	-10.27	2.2	3.801	-10	420	R 30x30	FeB 32k liscio LC1
p.3	10.27	10.27	2.2	3.801	-10	420	R 30x30	FeB 32k liscio LC1
p.3	-10.27	10.27	2.2	3.801	-10	420	R 30x30	FeB 32k liscio LC1
p.4	-10.27	-10.27	2.2	3.801	420	780	R 30x30	FeB 32k liscio LC1
p.4	10.27	-10.27	2.2	3.801	420	780	R 30x30	FeB 32k liscio LC1
p.4	10.27	10.27	2.2	3.801	420	780	R 30x30	FeB 32k liscio LC1
p.4	-10.27	10.27	2.2	3.801	420	780	R 30x30	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	15.21	3.4	0	2,3	-46193	251965	-12302	-109246	595891	SLU 30	2.365	Si
360	15.21	1.7	0	3	64406	-235034	-11222	154088	-562302	SLU 30	2.392	Si
-500	15.21	3.4	0	1,2	-2986	8400	-43317	-7929	22305	SLU 30	2.655	Si
-469	15.21	3.4	0	1,2	-2273	1347	-43229	-6048	3583	SLU 30	2.661	Si
-439	15.21	1.7	0	2	-1548	-5824	-43139	-4128	-15528	SLU 30	2.666	Si
-408	15.21	1.7	0	2	-823	-12994	-43049	-2199	-34719	SLU 30	2.672	Si
-377	15.21	1.7	0	2	-98	-20165	-42960	-263	-53990	SLU 30	2.677	Si
-346	15.21	1.7	0	2	625	-27315	-42870	1676	-73286	SLU 30	2.683	Si
-70	15.21	1.7	0	2	7136	-91711	-42063	19154	-246172	SLU 30	2.684	Si
-316	15.21	1.7	0	2	1352	-34506	-42780	3635	-92775	SLU 30	2.689	Si
-285	15.21	1.7	0	2	2077	-41676	-42690	5596	-112289	SLU 30	2.694	Si
-254	15.21	1.7	0	2	2802	-48846	-42600	7565	-131887	SLU 30	2.7	Si
-224	15.21	1.7	0	2	3527	-56017	-42510	9542	-151567	SLU 30	2.706	Si
-193	15.21	1.7	0	2	4252	-63187	-42421	11528	-171330	SLU 30	2.711	Si
-101	15.21	1.7	0	2	6427	-84699	-42151	17451	-229988	SLU 30	2.715	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	15.21	3.4	0	2,3	703529	285341	536	341609	138552	SLV 5	0.486				No
21	15.21	3.4	0	2,3	600118	241611	605	340828	137220	SLV 5	0.568				No
360	15.21	1.7	0	3	-554467	-312283	1367	-332120	-187054	SLV 5	0.599				No
420	15.21	3.4	0	3,4	121163	557019	-396	76180	350222	SLV 1	0.629				No
450	15.21	3.4	0	3,4	101153	516367	-330	68581	350092	SLV 1	0.678				No
52	15.21	1.7	0	3	495002	197024	674	339715	135215	SLV 5	0.686				No
329	15.21	1.7	0	3	-451055	-257354	1298	-330659	-188661	SLV 5	0.733				No
480	15.21	1.7	0	4	80805	475027	-262	59526	349937	SLV 1	0.737				No
510	15.21	1.7	0	4	60458	433686	-195	48757	349752	SLV 1	0.806				No
83	15.21	1.7	0	3	389886	152202	743	338032	131959	SLV 5	0.867				No
540	15.21	1.7	0	4	40112	392346	-127	35735	349527	SLV 1	0.891				No
298	15.21	1.7	0	3	-345940	-201697	1229	-328273	-191396	SLV 5	0.949				No
780	15.21	1.7	0	4	372432	-18377	-1900	368212	-18169	SLV 11	0.989				No
570	15.21	1.7	0	4	19772	351005	-60	19673	349248	SLV 1	0.995				No
600	15.21	1.7	0	4	-578	309665	8	-651	348871	SLV 1	1.127				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	15.21	3.4	0	2,3	102326	393116	-8272	114552	440085	SLD 1	1.119	Si
420	15.21	3.4	0	3,4	22726	277637	-816	29423	359448	SLD 1	1.295	Si
360	15.21	1.7	0	3	-65260	-333329	-7442	-88188	-450439	SLD 1	1.351	Si
21	15.21	3.4	0	2,3	88550	334123	-8204	121215	457374	SLD 1	1.369	Si
450	15.21	3.4	0	3,4	17551	257398	-750	24508	359438	SLD 1	1.396	Si
480	15.21	1.7	0	4	12288	236817	-682	18650	359426	SLD 1	1.518	Si
510	15.21	1.7	0	4	7025	216236	-615	11677	359411	SLD 1	1.662	Si
52	15.21	1.7	0	3	74548	274141	-8134	131076	482017	SLD 1	1.758	Si
329	15.21	1.7	0	3	-51484	-272853	-7510	-90779	-481104	SLD 1	1.763	Si
540	15.21	1.7	0	4	1763	195655	-547	3239	359394	SLD 1	1.837	Si
570	15.21	1.7	0	4	-3496	175073	-480	-7172	359100	SLD 1	2.051	Si
780	15.21	1.7	0	4	178613	-4352	-1031	371121	-9043	SLD 11	2.078	Si
600	15.21	1.7	0	4	-8760	154492	-412	-20333	358576	SLD 1	2.321	Si
298	15.21	1.7	0	3	-134779	-150058	-3903	-320803	-357170	SLD 5	2.38	Si
83	15.21	1.7	0	3	164993	115672	-4388	396619	278059	SLD 5	1.804	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.514	161	0.544	0.193	0.53	SLV 1	No
21	0.624	245	0.646	0.233	0.64	SLV 5	No
360	0.642	260	0.662	0.239	0.656	SLV 5	No
420	0.598	223	0.621	0.224	0.614	SLV 1	No
450	0.65	268	0.67	0.242	0.665	SLV 1	No
52	0.736	351	0.748	0.272	0.747	SLV 5	No
329	0.771	388	0.78	0.284	0.78	SLV 5	No
480	0.715	329	0.729	0.264	0.726	SLV 1	No
510	0.791	410	0.797	0.291	0.799	SLV 1	No
83	0.893	541	0.893	0.326	0.896	SLV 5	No
540	0.882	525	0.883	0.322	0.886	SLV 1	No
298	0.959	643	0.959	0.349	0.96	SLV 5	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
780	0.988	691	0.988	0.36	0.988	SLV 11	No
570	0.994	701	0.994	0.362	0.994	SLV 1	No
600	1.137	973	1.137	0.412	1.131	SLV 1	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	1.16	111	1.174	0.162	1.15	SLD 1	Si
420	1.352	153	1.34	0.189	1.337	SLD 1	Si
360	1.449	176	1.419	0.201	1.428	SLD 5	Si
21	1.41	167	1.388	0.197	1.394	SLD 5	Si
450	1.473	183	1.442	0.205	1.452	SLD 1	Si
480	1.615	223	1.563	0.224	1.587	SLD 1	Si
510	1.785	278	1.711	0.246	1.742	SLD 1	Si
52	1.664	238	1.606	0.23	1.631	SLD 5	Si
329	1.742	263	1.673	0.24	1.702	SLD 5	Si
540	1.992	353	1.887	0.273	1.932	SLD 1	Si
570	2.248	460	2.104	0.306	2.166	SLD 1	Si
780	2.233	453	2.09	0.304	2.152	SLD 11	Si
600	2.57	632	2.396	0.347	1.86	SLD 1	Si
298	2.169	425	2.036	0.295	2.093	SLD 5	Si
83	2.017	362	1.907	0.276	1.953	SLD 5	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
360	2X/2Y ø6/24.7	-1320	-11222	SLU 30	4558	2603	15299	2.5	3.45	300	-9316	SLU 35	4317	2603	15050	2.5	14.41	Si
329	2X/2Y ø6/24.7	-1320	-11311	SLU 30	4569	2603	15311	2.5	3.46	311	-10717	SLU 36	4494	2603	15233	2.5	14.44	Si
298	2X/2Y ø6/24.7	-1320	-11401	SLU 30	4580	2603	15323	2.5	3.47	311	-10807	SLU 36	4505	2603	15245	2.5	14.48	Si
268	2X/2Y ø6/24.7	-1320	-11492	SLU 30	4592	2603	15335	2.5	3.48	311	-10897	SLU 36	4517	2603	15257	2.5	14.52	Si
237	2X/2Y ø6/24.7	-1320	-11582	SLU 30	4603	2603	15346	2.5	3.49	311	-10987	SLU 36	4528	2603	15269	2.5	14.55	Si
206	2X/2Y ø6/24.7	-1320	-11672	SLU 30	4614	2603	15358	2.5	3.5	311	-11077	SLU 36	4539	2603	15280	2.5	14.59	Si
175	2X/2Y ø6/24.7	-1320	-11762	SLU 30	4626	2603	15370	2.5	3.5	311	-11168	SLU 36	4551	2603	15292	2.5	14.63	Si
144	2X/2Y ø6/24.7	-1320	-11852	SLU 30	4637	2603	15382	2.5	3.51	311	-11257	SLU 36	4562	2603	15304	2.5	14.66	Si
113	2X/2Y ø6/24.7	-1320	-11943	SLU 30	4649	2603	15393	2.5	3.52	311	-11348	SLU 36	4573	2603	15316	2.5	14.7	Si
83	2X/2Y ø6/24.7	-1320	-12033	SLU 30	4660	2603	15405	2.5	3.53	311	-11438	SLU 36	4585	2603	15328	2.5	14.74	Si
52	2X/2Y ø6/24.7	-1320	-12123	SLU 30	4671	2603	15417	2.5	3.54	311	-11528	SLU 36	4596	2603	15339	2.5	14.77	Si
21	2X/2Y ø6/24.7	-1320	-12213	SLU 30	4683	2603	15429	2.5	3.55	311	-11619	SLU 36	4608	2603	15351	2.5	14.81	Si
-10	2X/2Y ø6/24.7	-1320	-12302	SLU 30	4694	2603	15440	2.5	3.56	311	-11707	SLU 36	4619	2603	15363	2.5	14.85	Si
780	2X/2Y ø6/24	-192	-368	SLU 30	3186	2675	13881	2.5	16.58	327	-253	SLU 36	3172	2675	13865	2.5	9.7	Si
750	2X/2Y ø6/24	-192	-455	SLU 30	3197	2675	13892	2.5	16.64	327	-339	SLU 36	3182	2675	13877	2.5	9.74	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
144	2X/2Y ø6/24.7	-4007	-7193	SLV 1	4048	2603	14773	2.5	1.01	-4351	3276	SLV 5	3140	2603	13832	2.5	0.72	No
298	2X/2Y ø6/24.7	-4007	-6846	SLV 1	4005	2603	14727	2.5	1	-4351	3622	SLV 5	3140	2603	13832	2.5	0.72	No
268	2X/2Y ø6/24.7	-4007	-6916	SLV 1	4013	2603	14736	2.5	1	-4351	3553	SLV 5	3140	2603	13832	2.5	0.72	No
237	2X/2Y ø6/24.7	-4007	-6985	SLV 1	4022	2603	14745	2.5	1	-4351	3484	SLV 5	3140	2603	13832	2.5	0.72	No
206	2X/2Y ø6/24.7	-4007	-7055	SLV 1	4031	2603	14755	2.5	1.01	-4351	3414	SLV 5	3140	2603	13832	2.5	0.72	No
175	2X/2Y ø6/24.7	-4007	-7124	SLV 1	4040	2603	14764	2.5	1.01	-4351	3345	SLV 5	3140	2603	13832	2.5	0.72	No
113	2X/2Y ø6/24.7	-4007	-7263	SLV 1	4057	2603	14782	2.5	1.01	-4351	3206	SLV 5	3140	2603	13832	2.5	0.72	No
83	2X/2Y ø6/24.7	-4007	-7332	SLV 1	4066	2603	14791	2.5	1.01	-4351	3137	SLV 5	3140	2603	13832	2.5	0.72	No
52	2X/2Y ø6/24.7	-4007	-7401	SLV 1	4075	2603	14800	2.5	1.02	-4351	3067	SLV 5	3140	2603	13832	2.5	0.72	No
360	2X/2Y ø6/24.7	-4007	-6709	SLV 1	3987	2603	14709	2.5	1	-4351	3760	SLV 5	3140	2603	13832	2.5	0.72	No
329	2X/2Y ø6/24.7	-4007	-6777	SLV 1	3996	2603	14718	2.5	1	-4351	3692	SLV 5	3140	2603	13832	2.5	0.72	No
21	2X/2Y ø6/24.7	-4007	-7471	SLV 1	4084	2603	14809	2.5	1.02	-4351	2998	SLV 5	3140	2603	13832	2.5	0.72	No
-10	2X/2Y ø6/24.7	-4007	-7539	SLV 1	4092	2603	14818	2.5	1.02	-4351	2930	SLV 5	3140	2603	13832	2.5	0.72	No
780	2X/2Y ø6/24	-1701	608	SLV 1	3140	2675	13832	2.5	1.85	2908	-2305	SLV 11	3431	2675	14134	2.5	1.18	Si
750	2X/2Y ø6/24	-1701	541	SLV 1	3140	2675	13832	2.5	1.85	2908	-2372	SLV 11	3439	2675	14142	2.5	1.18	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
360	2X/2Y ø6/24.7	-1996	-7442	SLD 1	4080	2603	14805	2.5	2.04	1818	-11912	SLD 11	4645	2603	15389	2.5	2.55	Si
329	2X/2Y ø6/24.7	-1996	-7510	SLD 1	4089	2603	14814	2.5	2.05	1818	-11980	SLD 11	4653	2603	15398	2.5	2.56	Si
298	2X/2Y ø6/24.7	-1996	-7579	SLD 1	4097	2603	14823	2.5	2.05	1818	-12049	SLD 11	4662	2603	15407	2.5	2.56	Si
268	2X/2Y ø6/24.7	-1996	-7649	SLD 1	4106	2603	14832	2.5	2.06	1818	-12119	SLD 11	4671	2603	15416	2.5	2.57	Si
237	2X/2Y ø6/24.7	-1996	-7718	SLD 1	4115	2603	14841	2.5	2.06	1818	-12188	SLD 11	4680	2603	15426	2.5	2.57	Si
206	2X/2Y ø6/24.7	-1996	-7787	SLD 1	4124	2603	14850	2.5	2.07	1818	-12257	SLD 11	4688	2603	15435	2.5	2.58	Si
175	2X/2Y ø6/24.7	-1996	-7857	SLD 1	4132	2603	14859	2.5	2.07	1818	-12327	SLD 11	4697	2603	15444	2.5	2.58	Si
144	2X/2Y ø6/24.7	-1996	-7926	SLD 1	4141	2603	14868	2.5	2.08	1818	-12395	SLD 11	4706	2603	15453	2.5	2.59	Si
113	2X/2Y ø6/24.7	-1996	-7996	SLD 1	4150	2603	14878	2.5	2.08	1818	-12466	SLD 11	4715	2603	15462	2.5	2.59	Si
83	2X/2Y ø6/24.7	-1996	-8065	SLD 1	4159	2603	14887	2.5	2.08	1818	-12535	SLD 11	4723	2603	15471	2.5	2.6	Si
52	2X/2Y ø6/24.7	-1996	-8134	SLD 1	4167	2603	14896	2.5	2.09	1818	-12604	SLD 11	4732	2603	15480	2.5	2.6	Si
21	2X/2Y ø6/24.7	-1996	-8204	SLD 1	4176	2603	14905	2.5	2.09	1818	-12674	SLD 11	4741	2603	15489	2.5	2.61	Si
-10	2X/2Y ø6/24.7	-1996	-8272	SLD 1	4185	2603	14914	2.5	2.1	1818	-12742	SLD 11	4750	2603	15498	2.5	2.61	Si
780	2X/2Y ø6/24	-686	-8	SLD 1	3141	2675	13834	2.5	4.58	1166	-1031	SLD 11	3270	2675	13967	2.5	2.8	Si
750	2X/2Y ø6/24	-686	-75	SLD 1	3149	2675	13842	2.5	4.59	1166	-1097	SLD 11	3278	2675	13976	2.5	2.81	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
144	0.734	349	0.747	0.271	0.745	SLV 5	No
298	0.734	349	0.747	0.271	0.745	SLV 5	No
268	0.734	349	0.747	0.271	0.745	SLV 5	No
237	0.734	349	0.747	0.271	0.745	SLV 5	No
206	0.734	349	0.747	0.271	0.745	SLV 5	No
175	0.734	349	0.747	0.271	0.745	SLV 5	No
113	0.734	349	0.747	0.271	0.745	SLV 5	No
83	0.734	349	0.747	0.271	0.745	SLV 5	No
52	0.734	349	0.747	0.271	0.745	SLV 5	No
360	0.734	349	0.747	0.271	0.745	SLV 5	No
329	0.734	349	0.747	0.271	0.745	SLV 5	No
21	0.736	351	0.748	0.272	0.747	SLV 5	No
-10	0.737	352	0.749	0.272	0.748	SLV 5	No
780	1.215	1159	1.221	0.438	1.204	SLV 11	Si
750	1.219	1169	1.225	0.44	1.208	SLV 11	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
360	2.09	391	1.968	0.285	2.02	SLD 5	Si
329	2.09	391	1.968	0.285	2.02	SLD 5	Si
298	2.09	391	1.968	0.285	2.02	SLD 5	Si
268	2.09	391	1.968	0.285	2.02	SLD 5	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
237	2.09	391	1.968	0.285	2.02	SLD 5	Si
206	2.09	391	1.968	0.285	2.02	SLD 5	Si
175	2.09	391	1.968	0.285	2.02	SLD 5	Si
144	2.09	391	1.968	0.285	2.02	SLD 5	Si
113	2.09	391	1.968	0.285	2.02	SLD 5	Si
83	2.09	391	1.968	0.285	2.02	SLD 5	Si
52	2.093	394	1.974	0.286	2.025	SLD 5	Si
21	2.096	395	1.976	0.286	2.027	SLD 5	Si
-10	2.102	397	1.98	0.287	2.032	SLD 5	Si
780	3.461	1340	3.261	0.462	3.271	SLD 11	Si
750	3.473	1353	3.274	0.463	3.282	SLD 11	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 39

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
770	18.1	1.1	0	5	-85891	287409	-17874	-373215	1248846	SLU 36	4.345	Si
741	18.1	1.1	0	5	-70592	249714	-18023	-359257	1270838	SLU 36	5.089	Si
712	18.1	1.1	0	5	-55026	211362	-18175	-328687	1262517	SLU 36	5.973	Si
420	18.1	2.3	0	2,3,4,5	100366	-171504	-19689	608358	-1039555	SLU 36	6.061	Si
-10	18.1	1.8	0	1,2,3,4	111428	138054	-32089	709894	879531	SLU 36	6.371	Si
683	18.1	1.1	0	5	-39461	173009	-18327	-269401	1181150	SLU 36	6.827	Si
17	18.1	1.8	0	1,2,3,4	107150	55098	-32501	741295	381184	SLU 36	6.918	Si
20	18.1	1.8	0	1,2,3,4	105498	54283	-32484	732407	376858	SLU 36	6.942	Si
449	18.1	2.3	0	2,3,4,5	85067	-133809	-19540	591962	-931151	SLU 36	6.959	Si
50	18.1	1.8	0	1,2,3,4	85662	44507	-32285	601289	312406	SLU 36	7.019	Si
350	18.1	0.9	0	2,3,4	-84232	-137960	-28798	-593340	-971805	SLU 36	7.044	Si
80	18.1	0.9	0	2,3,4	67751	30859	-31930	480856	219017	SLU 36	7.097	Si
110	18.1	0.9	0	2,3,4	50047	17545	-31576	359191	125917	SLU 36	7.177	Si
140	18.1	0.9	0	2,3,4	33192	4724	-31267	240571	34237	SLU 36	7.248	Si
170	18.1	0.9	0	2,3,4	17430	-10326	-31072	127124	-75308	SLU 36	7.293	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
350	18.1	0.9	0	2,3,4	1668452	-215472	7270	638746	-82491	SLV 11	0.383				No
320	18.1	0.9	0	2,3,4	1527288	-129690	6883	637642	-54145	SLV 11	0.417				No
290	18.1	0.9	0	2,3,4	1380907	-105881	6488	635750	-48746	SLV 11	0.46				No
260	18.1	0.9	0	2,3,4	1227932	-84145	6339	631105	-43247	SLV 11	0.514				No
254	18.1	0.9	0	2,3,4	1193449	-79131	6304	629909	-41766	SLV 11	0.528				No
230	18.1	0.9	0	2,3,4	1003350	-295820	9797	585185	-172531	SLV 7	0.583				No
420	18.1	2.3	0	2,3,4,5	-1019981	-93395	-1325	-602676	-55184	SLV 7	0.591				No
200	18.1	0.9	0	2,3,4	848809	-270534	9403	573381	-182749	SLV 7	0.676				No
449	18.1	2.3	0	2,3,4,5	-867504	-84631	-1210	-603468	-58873	SLV 7	0.696				No
770	18.1	1.1	0	5	836776	20315	71	591172	14352	SLV 7	0.706				No
170	18.1	0.9	0	2,3,4	694300	-245916	9012	557022	-197293	SLV 7	0.802				No
478	18.1	2.3	0	2,3,4,5	-712375	-75610	-1093	-604628	-64174	SLV 7	0.849				No
741	18.1	1.1	0	5	684311	12452	-43	592599	10783	SLV 7	0.866				No
140	18.1	0.9	0	2,3,4	546056	-220673	8862	531034	-214602	SLV 7	0.972				No
508	18.1	1.1	0	5	-557259	-66004	-977	-606460	-71831	SLV 7	1.088				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2,3,4	702815	-142495	-7643	846006	-171527	SLD 11	1.204	Si
320	18.1	0.9	0	2,3,4	647468	-90172	-8084	877713	-122238	SLD 11	1.356	Si
290	18.1	0.9	0	2,3,4	589939	-70326	-8528	918399	-109481	SLD 11	1.557	Si
260	18.1	0.9	0	2,3,4	496823	-155099	-7032	902985	-281895	SLD 7	1.818	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
770	18.1	1.1	0	5	28788	500506	-12532	53857	936361	SLD 15	1.871	Si
254	18.1	0.9	0	2,3,4	483569	-154772	-7066	911322	-291679	SLD 7	1.885	Si
420	18.1	2.3	0	2,3,4,5	553570	-115594	-17937	1045151	-218243	SLD 9	1.888	Si
230	18.1	0.9	0	2,3,4	435366	-142123	-7190	949276	-309886	SLD 7	2.18	Si
741	18.1	1.1	0	5	23726	434741	-12647	55909	1024465	SLD 15	2.356	Si
449	18.1	2.3	0	2,3,4,5	470724	-86556	-17823	1147042	-210916	SLD 9	1.837	Si
200	18.1	0.9	0	2,3,4	373729	-126263	-7521	1023102	-345650	SLD 7	2.738	Si
712	18.1	1.1	0	5	-128668	356193	-15389	-397541	1100517	SLD 13	3.09	Si
478	18.1	2.3	0	2,3,4,5	-287539	-68575	-7515	-929054	-221570	SLD 7	3.231	Si
170	18.1	0.9	0	2,3,4	312088	-111038	-7845	1126313	-400731	SLD 7	3.609	Si
683	18.1	1.1	0	5	-90815	292608	-15506	-374538	1206770	SLD 13	4.124	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.496	150	0.528	0.187	0.514	SLV 11	No
320	0.531	173	0.56	0.2	0.548	SLV 11	No
290	0.573	203	0.598	0.215	0.59	SLV 11	No
260	0.623	243	0.644	0.232	0.637	SLV 11	No
254	0.635	254	0.655	0.236	0.65	SLV 11	No
230	0.685	299	0.701	0.254	0.697	SLV 7	No
420	0.676	291	0.693	0.251	0.689	SLV 7	No
200	0.763	379	0.772	0.281	0.772	SLV 7	No
449	0.765	381	0.774	0.282	0.774	SLV 7	No
770	0.77	386	0.778	0.283	0.778	SLV 7	No
170	0.862	497	0.863	0.315	0.867	SLV 7	No
478	0.887	532	0.887	0.324	0.89	SLV 7	No
741	0.898	549	0.899	0.328	0.902	SLV 7	No
140	0.982	682	0.983	0.358	0.983	SLV 7	No
508	1.063	825	1.062	0.386	1.06	SLV 7	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	1.119	104	1.143	0.157	1.115	SLD 11	Si
320	1.199	119	1.208	0.168	1.188	SLD 11	Si
290	1.295	140	1.292	0.181	1.284	SLD 11	Si
260	1.406	166	1.385	0.196	1.39	SLD 11	Si
770	1.738	262	1.67	0.24	1.699	SLD 7	Si
254	1.436	173	1.409	0.2	1.415	SLD 11	Si
420	1.527	197	1.486	0.212	1.504	SLD 7	Si
230	1.547	203	1.504	0.215	1.523	SLD 7	Si
741	2.031	369	1.922	0.278	1.969	SLD 7	Si
449	1.729	259	1.662	0.238	1.69	SLD 7	Si
200	1.725	257	1.657	0.238	1.686	SLD 7	Si
712	1.859	567	2.292	0.332	2.356	SLD 7	Si
478	2.005	358	1.898	0.274	1.943	SLD 7	Si
170	1.949	336	1.849	0.267	1.892	SLD 7	Si
683	3.13	1025	2.922	0.419	2.973	SLD 7	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
17	2X/2Y ø6/23.9	-2933	-29704	SLU 33	10299	4223	36662	2.5	3.51	-669	-30882	SLU 29	10454	4223	36824	2.5	15.62	Si
-10	2X/2Y ø6/23.9	-2933	-29879	SLU 33	10322	4223	36686	2.5	3.52	-264	-30984	SLU 30	10468	4223	36838	2.5	39.72	Si
770	2X/2Y ø6/24.8	1343	-17558	SLU 35	7448	3562	27689	2.5	5.55	-582	-15581	SLU 29	7191	3562	27422	2.5	12.35	Si
741	2X/2Y ø6/24.8	1343	-17707	SLU 35	7468	3562	27709	2.5	5.56	-582	-15730	SLU 29	7210	3562	27443	2.5	12.38	Si
712	2X/2Y ø6/24.8	1343	-17859	SLU 35	7487	3562	27729	2.5	5.58	-582	-15882	SLU 29	7230	3562	27463	2.5	11.82	Si
683	2X/2Y ø6/24.8	1343	-18011	SLU 35	7507	3562	27749	2.5	5.59	-582	-16034	SLU 29	7250	3562	27483	2.5	11.85	Si
653	2X/2Y ø6/24.8	1343	-18162	SLU 35	7527	3562	27770	2.5	5.61	-582	-16185	SLU 29	7270	3562	27504	2.5	11.88	Si
624	2X/2Y ø6/24.8	1343	-18314	SLU 35	7546	3562	27790	2.5	5.62	-582	-16337	SLU 29	7289	3562	27524	2.5	12.52	Si
595	2X/2Y ø6/24.8	1343	-18466	SLU 35	7566	3562	27811	2.5	5.64	-582	-16489	SLU 29	7309	3562	27545	2.5	12.55	Si
566	2X/2Y ø6/24.8	1343	-18617	SLU 35	7586	3562	27831	2.5	5.65	-582	-16640	SLU 29	7329	3562	27565	2.5	12.59	Si
537	2X/2Y ø6/24.8	1343	-18769	SLU 35	7606	3562	27852	2.5	5.66	-582	-16792	SLU 29	7348	3562	27585	2.5	12.62	Si
508	2X/2Y ø6/24.8	1343	-18921	SLU 35	7625	3562	27872	2.5	5.68	-582	-16944	SLU 29	7368	3562	27606	2.5	12.65	Si
478	2X/2Y ø6/24.8	1343	-19072	SLU 35	7645	3562	27892	2.5	5.69	-582	-17095	SLU 29	7388	3562	27626	2.5	12.69	Si
449	2X/2Y ø6/24.8	1343	-19224	SLU 35	7665	3562	27913	2.5	5.71	-582	-17247	SLU 29	7408	3562	27647	2.5	12.72	Si
420	2X/2Y ø6/24.8	1343	-19373	SLU 35	7684	3562	27933	2.5	5.72	-582	-17396	SLU 29	7427	3562	27667	2.5	12.76	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	5092	-14540	SLV 15	7055	3562	27282	2.5	1.39	6799	3066	SLV 7	5163	3562	25325	2.5	0.76	No
741	2X/2Y ø6/24.8	5092	-14655	SLV 15	7070	3562	27298	2.5	1.39	6799	2951	SLV 7	5163	3562	25325	2.5	0.76	No
712	2X/2Y ø6/24.8	5092	-14771	SLV 15	7086	3562	27313	2.5	1.39	6799	2834	SLV 7	5163	3562	25325	2.5	0.76	No
683	2X/2Y ø6/24.8	5092	-14888	SLV 15	7101	3562	27329	2.5	1.39	6799	2718	SLV 7	5163	3562	25325	2.5	0.76	No
653	2X/2Y ø6/24.8	5092	-15005	SLV 15	7116	3562	27345	2.5	1.4	6799	2601	SLV 7	5163	3562	25325	2.5	0.76	No
624	2X/2Y ø6/24.8	5092	-15121	SLV 15	7131	3562	27361	2.5	1.4	6799	2484	SLV 7	5163	3562	25325	2.5	0.76	No
595	2X/2Y ø6/24.8	5092	-15238	SLV 15	7146	3562	27376	2.5	1.4	6799	2368	SLV 7	5163	3562	25325	2.5	0.76	No
566	2X/2Y ø6/24.8	5092	-15355	SLV 15	7161	3562	27392	2.5	1.41	6799	2251	SLV 7	5163	3562	25325	2.5	0.76	No
537	2X/2Y ø6/24.8	5092	-15471	SLV 15	7177	3562	27408	2.5	1.41	6799	2134	SLV 7	5163	3562	25325	2.5	0.76	No
508	2X/2Y ø6/24.8	5092	-15588	SLV 15	7192	3562	27423	2.5	1.41	6799	2018	SLV 7	5163	3562	25325	2.5	0.76	No
420	2X/2Y ø6/24.8	5092	-15936	SLV 15	7237	3562	27470	2.5	1.42	6799	1670	SLV 7	5163	3562	25325	2.5	0.76	No
449	2X/2Y ø6/24.8	5092	-15821	SLV 15	7222	3562	27455	2.5	1.42	6799	1784	SLV 7	5163	3562	25325	2.5	0.76	No
478	2X/2Y ø6/24.8	5092	-15705	SLV 15	7207	3562	27439	2.5	1.42	6799	1901	SLV 7	5163	3562	25325	2.5	0.76	No
17	2X/2Y ø6/23.9	-11789	-19682	SLV 15	8972	4223	35290	2.5	0.76	7819	10053	SLV 11	6368	4223	32596	2.5	0.81	No
-10	2X/2Y ø6/23.9	-11789	-19816	SLV 15	8990	4223	35309	2.5	0.76	3215	9770	SLV 11	6368	4223	32596	2.5	1.98	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
17	2X/2Y ø6/23.9	-5565	-21112	SLD 15	9162	4223	35486	2.5	1.65	-3382	-33692	SLD 5	10826	4223	37208	2.5	3.2	Si
-10	2X/2Y ø6/23.9	-5565	-21246	SLD 15	9179	4223	35504	2.5	1.65	1014	-10856	SLD 11	7804	4223	34082	2.5	7.7	Si
350	2X/2Y ø6/23.9	-4249	-26358	SLD 13	9856	4223	36204	2.5	2.32	2049	-7643	SLD 11	7379	4223	33642	2.5	3.6	Si
770	2X/2Y ø6/24.8	2303	-12532	SLD 15	6794	3562	27012	2.5	2.95	-2890	-16541	SLD 9	7316	3562	27552	2.5	2.53	Si
741	2X/2Y ø6/24.8	2303	-12647	SLD 15	6809	3562	27027	2.5	2.96	-2890	-16656	SLD 9	7331	3562	27567	2.5	2.54	Si
712	2X/2Y ø6/24.8	2303	-12764	SLD 15	6824	3562	27043	2.5	2.96	-2890	-16773	SLD 9	7346	3562	27583	2.5	2.54	Si
683	2X/2Y ø6/24.8	2303	-12880	SLD 15	6839	3562	27059	2.5	2.97	-2890	-16889	SLD 9	7361	3562	27599	2.5	2.55	Si
653	2X/2Y ø6/24.8	2303	-12997	SLD 15	6855	3562	27075	2.5	2.98	-2890	-17006	SLD 9	7376	3562	27614	2.5	2.55	Si
624	2X/2Y ø6/24.8	2303	-13114	SLD 15	6870	3562	27090	2.5	2.98	-2890	-17123	SLD 9	7391	3562	27630	2.5	2.56	Si
595	2X/2Y ø6/24.8	2303	-13230	SLD 15	6885	3562	27106	2.5	2.99	-2890	-17239	SLD 9	7407	3562	27646	2.5	2.56	Si
566	2X/2Y ø6/24.8	2303	-13347	SLD 15	6900	3562	27122	2.5	3	-2890	-17356	SLD 9	7422	3562	27661	2.5	2.57	Si
537	2X/2Y ø6/24.8	2303	-13464	SLD 15	6915	3562	27137	2.5	3	-2890	-17473	SLD 9	7437	3562	27677	2.5	2.57	Si
508	2X/2Y ø6/24.8	2303	-13580	SLD 15	6931	3562	27153	2.5	3.01	-2890	-17589	SLD 9	7452	3562	27693	2.5	2.58	Si

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
478	2X/2Y ø6/24.8	2303	-13697	SLD 15	6946	3562	27169	2.5	3.02	-2890	-17706	SLD 9	7467	3562	27708	2.5	2.58	Si
449	2X/2Y ø6/24.8	2303	-13814	SLD 15	6961	3562	27184	2.5	3.02	-2890	-17823	SLD 9	7483	3562	27724	2.5	2.59	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.775	393	0.784	0.285	0.784	SLV 7	No
741	0.777	395	0.785	0.286	0.786	SLV 7	No
712	0.778	396	0.786	0.286	0.787	SLV 7	No
683	0.78	398	0.788	0.287	0.789	SLV 7	No
653	0.782	400	0.789	0.288	0.79	SLV 7	No
624	0.783	401	0.79	0.288	0.791	SLV 7	No
595	0.785	404	0.793	0.289	0.794	SLV 7	No
566	0.787	406	0.794	0.289	0.795	SLV 7	No
537	0.789	408	0.796	0.29	0.797	SLV 7	No
508	0.791	410	0.797	0.291	0.799	SLV 7	No
420	0.795	415	0.801	0.292	0.803	SLV 7	No
449	0.794	413	0.8	0.292	0.801	SLV 7	No
478	0.792	411	0.798	0.291	0.8	SLV 7	No
17	0.715	329	0.729	0.264	0.726	SLV 15	No
-10	0.717	331	0.73	0.265	0.728	SLV 15	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
17	2.037	371	1.926	0.279	1.974	SLD 15	Si
-10	2.043	373	1.93	0.279	1.979	SLD 15	Si
350	2.515	599	2.344	0.34	1.808	SLD 3	Si
770	2.207	441	2.067	0.3	2.126	SLD 7	Si
741	2.213	444	2.073	0.301	2.133	SLD 7	Si
712	2.219	447	2.079	0.302	2.138	SLD 7	Si
683	2.222	448	2.081	0.302	2.14	SLD 7	Si
653	2.228	450	2.085	0.303	2.145	SLD 7	Si
624	2.233	453	2.09	0.304	2.152	SLD 7	Si
595	2.236	455	2.094	0.304	2.154	SLD 7	Si
566	2.242	457	2.098	0.305	2.159	SLD 7	Si
537	2.248	460	2.104	0.306	2.166	SLD 7	Si
508	2.251	461	2.105	0.306	2.168	SLD 7	Si
478	2.257	464	2.111	0.307	2.173	SLD 7	Si
449	2.26	465	2.113	0.307	2.175	SLD 7	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 40

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	692496	75836	-11669	788274	86325	SLU 29	1.138	Si
449	18.1	2.3	0	2,3,4,5	608175	71437	-11520	821106	96448	SLU 29	1.35	Si
478	18.1	2.3	0	2,3,4,5	522383	66961	-11369	869346	111437	SLU 29	1.664	Si
508	18.1	1.1	0	5	436590	62485	-11217	941442	134741	SLU 29	2.156	Si
537	18.1	1.1	0	5	350798	58010	-11065	1045572	172901	SLU 29	2.981	Si
770	18.1	1.1	0	5	-354988	23451	-11001	-1063339	70246	SLU 36	2.995	Si
566	18.1	1.1	0	5	265006	53534	-10914	1186489	239682	SLU 29	4.477	Si
741	18.1	1.1	0	5	-270893	27868	-11150	-1247863	128375	SLU 36	4.606	Si
-22	0	0.9	0	1	-34928	-11706	-34079	-195232	-65433	SLU 30	5.59	Si
-17	1.47	0.9	0	1	-34785	-10920	-34042	-197638	-62041	SLU 30	5.682	Si
14	17.38	1.8	0	1,2,3,4	-34005	-6617	-33844	-226269	-44026	SLU 30	6.654	Si
44	18.1	1.8	0	1,2,3,4	-33215	-2242	-33643	-223735	-15102	SLU 30	6.736	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
75	18.1	0.9	0	2,3,4	-32418	2182	-33440	-219695	14788	SLU 30	6.777	Si
105	18.1	0.9	0	2,3,4	-31641	6507	-33241	-215714	44362	SLU 30	6.818	Si
136	18.1	0.9	0	2,3,4	-30858	10882	-33039	-211654	74637	SLU 30	6.859	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	2,3,4,5	1427056	125033	-12291	678404	59439	SLV 9	0.475				No
449	18.1	2.3	0	2,3,4,5	1230277	116398	-12177	693380	65602	SLV 9	0.564				No
478	18.1	2.3	0	2,3,4,5	1030123	107563	-12060	715691	74731	SLV 9	0.695				No
770	18.1	1.1	0	5	-972046	25791	-10895	-710656	18856	SLV 9	0.731				No
508	18.1	1.1	0	5	830073	98661	-11943	751661	89341	SLV 9	0.906				No
741	18.1	1.1	0	5	-775373	44572	-11010	-749837	43104	SLV 9	0.967				No
537	18.1	1.1	0	5	630242	89670	-11827	817806	116356	SLV 9	1.298				Si
712	18.1	1.1	0	5	-575422	53737	-11127	-828044	77329	SLV 9	1.439				Si
350	18.1	0.9	0	2,3,4	724685	-24527	-14258	1045518	-35386	SLV 7	1.443				Si
319	18.1	0.9	0	2,3,4	660990	-22292	-14410	1104472	-37249	SLV 7	1.671				Si
289	18.1	0.9	0	2,3,4	596264	-20017	-14565	1186177	-39821	SLV 7	1.989				Si
566	18.1	1.1	0	5	431014	80551	-11710	960056	179423	SLV 9	2.227				Si
258	18.1	0.9	0	2,3,4	531577	-17739	-14720	1301888	-43445	SLV 7	1.849				Si
683	18.1	1.1	0	5	-375836	53385	-11243	-1024320	145499	SLV 9	2.725				Si
228	18.1	0.9	0	2,3,4	466966	-15456	-14874	1446650	-47882	SLV 7	3.098				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	893237	86941	-10311	713710	69468	SLD 9	0.799	No
449	18.1	2.3	0	2,3,4,5	773765	81278	-10196	735069	77213	SLD 9	0.95	No
478	18.1	2.3	0	2,3,4,5	652236	75494	-10080	767148	88794	SLD 9	1.176	Si
770	18.1	1.1	0	5	-562774	20632	-8915	-773826	28369	SLD 9	1.375	Si
508	18.1	1.1	0	5	530752	69680	-9963	818088	107403	SLD 9	1.541	Si
741	18.1	1.1	0	5	-443350	30746	-9030	-846146	58680	SLD 9	1.909	Si
537	18.1	1.1	0	5	409366	63826	-9846	909465	141800	SLD 9	2.222	Si
712	18.1	1.1	0	5	-321910	36674	-9146	-1000391	113970	SLD 9	3.108	Si
566	18.1	1.1	0	5	288246	57917	-9730	1071506	215296	SLD 9	3.717	Si
350	18.1	0.9	0	2,3,4	-328756	56112	-25507	-1759213	300261	SLD 9	5.351	Si
319	18.1	0.9	0	2,3,4	-302864	50386	-25660	-1710111	284502	SLD 9	5.646	Si
289	18.1	0.9	0	2,3,4	-276557	44564	-25815	-1645531	265156	SLD 9	5.95	Si
258	18.1	0.9	0	2,3,4	-250270	38740	-25969	-1566741	242519	SLD 9	6.26	Si
683	18.1	1.1	0	5	-200632	38393	-9263	-1258418	240811	SLD 9	6.272	Si
595	18.1	1.1	0	5	137927	107421	-7615	873348	680185	SLD 13	6.332	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.277	48	0.331	0.106	0.291	SLV 9	No
449	0.402	98	0.443	0.153	0.42	SLV 9	No
478	0.584	212	0.609	0.219	0.601	SLV 9	No
770	0.68	295	0.697	0.252	0.693	SLV 9	No
508	0.873	512	0.874	0.319	0.877	SLV 9	No
741	0.963	649	0.963	0.351	0.964	SLV 9	No
537	1.396	1679	1.422	0.5	1.374	SLV 9	Si
712	1.451	1860	1.482	0.518	1.425	SLV 9	Si
350	1.246	1240	1.255	0.449	1.234	SLV 7	Si
319	1.347	1524	1.366	0.483	1.328	SLV 7	Si
289	1.467	1915	1.5	0.524	1.439	SLV 7	Si
566	2.629	2474	1.666	0.573	1.575	SLV 9	Si
258	1.609	2454	1.661	0.572	1.571	SLV 7	Si
683	2.093	2474	1.666	0.573	1.575	SLV 7	Si
228	1.781	2474	1.666	0.573	1.575	SLV 7	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.629	33	0.714	0.087	0.617	SLD 9	No
449	0.908	68	0.961	0.128	0.904	SLD 9	No
478	1.32	146	1.314	0.185	1.308	SLD 9	Si
770	1.535	200	1.495	0.213	1.512	SLD 9	Si
508	1.973	345	1.87	0.27	1.914	SLD 9	Si
741	2.178	429	2.044	0.296	2.1	SLD 9	Si
537	3.156	1049	2.949	0.423	2.997	SLD 9	Si
712	3.279	1162	3.076	0.439	3.109	SLD 9	Si
566	5.949	2474	4.193	0.603	4.276	SLD 9	Si
350	2.813	786	2.62	0.379	2.682	SLD 7	Si
319	3.045	954	2.837	0.409	2.895	SLD 7	Si
289	3.314	1196	3.112	0.443	3.141	SLD 7	Si
258	3.637	1529	3.442	0.484	3.428	SLD 7	Si
683	4.732	2474	4.193	0.603	4.276	SLD 7	Si
595	6.893	2474	4.193	0.603	4.276	SLD 15	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-153	-9855	SLU 29	6446	3562	26652	2.5	42	-2985	-10266	SLU 30	6499	3562	26707	2.5	2.18	Si
741	2X/2Y ø6/24.8	-153	-10004	SLU 29	6465	3562	26672	2.5	42.13	-2985	-10415	SLU 30	6519	3562	26727	2.5	2.18	Si
712	2X/2Y ø6/24.8	-153	-10155	SLU 29	6485	3562	26692	2.5	42.26	-2985	-10567	SLU 30	6538	3562	26747	2.5	2.19	Si
683	2X/2Y ø6/24.8	-153	-10307	SLU 29	6505	3562	26712	2.5	42.39	-2985	-10718	SLU 30	6558	3562	26768	2.5	2.2	Si
653	2X/2Y ø6/24.8	-153	-10459	SLU 29	6524	3562	26733	2.5	42.52	-2985	-10870	SLU 30	6578	3562	26788	2.5	2.2	Si
624	2X/2Y ø6/24.8	-153	-10610	SLU 29	6544	3562	26753	2.5	42.64	-2985	-11022	SLU 30	6598	3562	26809	2.5	2.21	Si
595	2X/2Y ø6/24.8	-153	-10762	SLU 29	6564	3562	26774	2.5	42.77	-2985	-11173	SLU 30	6617	3562	26829	2.5	2.22	Si
566	2X/2Y ø6/24.8	-153	-10914	SLU 29	6584	3562	26794	2.5	42.9	-2985	-11325	SLU 30	6637	3562	26849	2.5	2.22	Si
537	2X/2Y ø6/24.8	-153	-11065	SLU 29	6603	3562	26815	2.5	43.03	-2985	-11477	SLU 30	6657	3562	26870	2.5	2.23	Si
508	2X/2Y ø6/24.8	-153	-11217	SLU 29	6623	3562	26835	2.5	43.16	-2985	-11628	SLU 30	6677	3562	26890	2.5	2.24	Si
478	2X/2Y ø6/24.8	-153	-11369	SLU 29	6643	3562	26855	2.5	43.29	-2985	-11780	SLU 30	6696	3562	26911	2.5	2.24	Si
449	2X/2Y ø6/24.8	-153	-11520	SLU 29	6662	3562	26876	2.5	43.42	-2985	-11932	SLU 30	6716	3562	26931	2.5	2.25	Si
420	2X/2Y ø6/24.8	-153	-11669	SLU 29	6682	3562	26896	2.5	43.54	-2985	-12081	SLU 30	6735	3562	26951	2.5	2.26	Si
350	2X/2Y ø6/23.9	139	-25017	SLU 19	9678	4223	36021	2.5	69.56	144	-26221	SLU 26	9838	4223	36186	2.5	68.48	Si
319	2X/2Y ø6/23.9	139	-25215	SLU 19	9705	4223	36048	2.5	69.75	144	-26419	SLU 26	9864	4223	36213	2.5	68.63	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-1293	-2939	SLV 15	5546	3562	25721	2.5	4.29	-8127	-11819	SLV 9	6701	3562	26916	2.5	0.82	No
741	2X/2Y ø6/24.8	-1293	-3053	SLV 15	5561	3562	25736	2.5	4.3	-8127	-11933	SLV 9	6716	3562	26931	2.5	0.83	No
712	2X/2Y ø6/24.8	-1293	-3170	SLV 15	5576	3562	25752	2.5	4.31	-8127	-12050	SLV 9	6731	3562	26947	2.5	0.83	No
683	2X/2Y ø6/24.8	-1293	-3287	SLV 15	5591	3562	25767	2.5	4.33	-8127	-12167	SLV 9	6747	3562	26963	2.5	0.83	No
653	2X/2Y ø6/24.8	-1293	-3403	SLV 15	5606	3562	25783	2.5	4.34	-8127	-12283	SLV 9	6762	3562	26979	2.5	0.83	No

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
624	2X/2Y ø6/24.8	-1293	-3520	SLV 15	5621	3562	25799	2.5	4.35	-8127	-12400	SLV 9	6777	3562	26994	2.5	0.83	No
595	2X/2Y ø6/24.8	-1293	-3637	SLV 15	5637	3562	25815	2.5	4.36	-8127	-12517	SLV 9	6792	3562	27010	2.5	0.84	No
566	2X/2Y ø6/24.8	-1293	-3753	SLV 15	5652	3562	25830	2.5	4.37	-8127	-12633	SLV 9	6807	3562	27026	2.5	0.84	No
537	2X/2Y ø6/24.8	-1293	-3870	SLV 15	5667	3562	25846	2.5	4.38	-8127	-12750	SLV 9	6822	3562	27041	2.5	0.84	No
508	2X/2Y ø6/24.8	-1293	-3987	SLV 15	5682	3562	25862	2.5	4.4	-8127	-12867	SLV 9	6838	3562	27057	2.5	0.84	No
478	2X/2Y ø6/24.8	-1293	-4103	SLV 15	5697	3562	25877	2.5	4.41	-8127	-12983	SLV 9	6853	3562	27073	2.5	0.84	No
449	2X/2Y ø6/24.8	-1293	-4220	SLV 15	5713	3562	25893	2.5	4.42	-8127	-13100	SLV 9	6868	3562	27088	2.5	0.85	No
420	2X/2Y ø6/24.8	-1293	-4335	SLV 15	5727	3562	25909	2.5	4.43	-8127	-13215	SLV 9	6883	3562	27104	2.5	0.85	No
350	2X/2Y ø6/23.9	1342	-13661	SLV 15	8176	4223	34466	2.5	6.09	2660	-12230	SLV 7	7986	4223	34270	2.5	3	Si
319	2X/2Y ø6/23.9	1342	-13813	SLV 15	8196	4223	34487	2.5	6.11	2660	-12382	SLV 7	8006	4223	34291	2.5	3.01	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-528	-5797	SLD 15	5918	3562	26105	2.5	11.2	-4170	-8915	SLD 9	6323	3562	26525	2.5	1.52	Si
741	2X/2Y ø6/24.8	-528	-5912	SLD 15	5933	3562	26121	2.5	11.23	-4170	-9030	SLD 9	6338	3562	26541	2.5	1.52	Si
712	2X/2Y ø6/24.8	-528	-6028	SLD 15	5948	3562	26136	2.5	11.26	-4170	-9146	SLD 9	6354	3562	26556	2.5	1.52	Si
683	2X/2Y ø6/24.8	-528	-6145	SLD 15	5963	3562	26152	2.5	11.29	-4170	-9263	SLD 9	6369	3562	26572	2.5	1.53	Si
653	2X/2Y ø6/24.8	-528	-6262	SLD 15	5978	3562	26168	2.5	11.32	-4170	-9380	SLD 9	6384	3562	26588	2.5	1.53	Si
624	2X/2Y ø6/24.8	-528	-6378	SLD 15	5993	3562	26184	2.5	11.35	-4170	-9496	SLD 9	6399	3562	26603	2.5	1.53	Si
595	2X/2Y ø6/24.8	-528	-6495	SLD 15	6009	3562	26199	2.5	11.37	-4170	-9613	SLD 9	6414	3562	26619	2.5	1.54	Si
566	2X/2Y ø6/24.8	-528	-6612	SLD 15	6024	3562	26215	2.5	11.4	-4170	-9730	SLD 9	6429	3562	26635	2.5	1.54	Si
537	2X/2Y ø6/24.8	-528	-6728	SLD 15	6039	3562	26231	2.5	11.43	-4170	-9846	SLD 9	6445	3562	26650	2.5	1.55	Si
508	2X/2Y ø6/24.8	-528	-6845	SLD 15	6054	3562	26246	2.5	11.46	-4170	-9963	SLD 9	6460	3562	26666	2.5	1.55	Si
478	2X/2Y ø6/24.8	-528	-6962	SLD 15	6069	3562	26262	2.5	11.49	-4170	-10080	SLD 9	6475	3562	26682	2.5	1.55	Si
449	2X/2Y ø6/24.8	-528	-7078	SLD 15	6084	3562	26278	2.5	11.52	-4170	-10196	SLD 9	6490	3562	26698	2.5	1.56	Si
420	2X/2Y ø6/24.8	-528	-7193	SLD 15	6099	3562	26293	2.5	11.55	-4170	-10311	SLD 9	6505	3562	26713	2.5	1.56	Si
350	2X/2Y ø6/23.9	542	-19108	SLD 15	8896	4223	35212	2.5	16.42	968	-18606	SLD 7	8830	4223	35143	2.5	9.12	Si
319	2X/2Y ø6/23.9	542	-19260	SLD 15	8917	4223	35233	2.5	16.46	969	-18758	SLD 7	8850	4223	35164	2.5	9.14	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.742	357	0.753	0.274	0.752	SLV 9	No
741	0.744	359	0.755	0.274	0.754	SLV 9	No
712	0.746	361	0.757	0.275	0.756	SLV 9	No
683	0.75	365	0.76	0.276	0.76	SLV 9	No
653	0.752	367	0.762	0.277	0.761	SLV 9	No
624	0.756	371	0.765	0.278	0.765	SLV 9	No
595	0.758	374	0.768	0.279	0.768	SLV 9	No
566	0.762	378	0.771	0.281	0.771	SLV 9	No
537	0.764	380	0.773	0.281	0.773	SLV 9	No
508	0.766	382	0.775	0.282	0.775	SLV 9	No
478	0.77	386	0.778	0.283	0.778	SLV 9	No
449	0.771	388	0.78	0.284	0.78	SLV 9	No
420	0.773	391	0.782	0.285	0.783	SLV 9	No
350	1.824	2474	1.666	0.573	1.575	SLV 7	Si
319	1.824	2474	1.666	0.573	1.575	SLV 7	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	2.113	402	1.99	0.288	2.042	SLD 9	Si
741	2.119	404	1.995	0.289	2.047	SLD 9	Si
712	2.125	406	1.999	0.29	2.052	SLD 9	Si
683	2.137	412	2.011	0.291	2.064	SLD 9	Si
653	2.143	414	2.015	0.292	2.069	SLD 9	Si
624	2.148	416	2.019	0.293	2.074	SLD 9	Si
595	2.16	422	2.03	0.294	2.086	SLD 9	Si
566	2.166	424	2.034	0.295	2.091	SLD 9	Si
537	2.172	426	2.038	0.296	2.096	SLD 9	Si
508	2.184	431	2.048	0.297	2.105	SLD 9	Si
478	2.189	434	2.054	0.298	2.112	SLD 9	Si
449	2.195	437	2.06	0.299	2.117	SLD 9	Si
420	2.207	441	2.067	0.3	2.126	SLD 9	Si
350	6.893	2474	4.193	0.603	4.276	SLD 7	Si
319	6.893	2474	4.193	0.603	4.276	SLD 7	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 41

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	562047	87507	-11882	857470	133502	SLU 30	1.526	Si
449	18.1	2.3	0	2,3,4,5	490556	82215	-11360	892020	149499	SLU 29	1.818	Si
478	18.1	2.3	0	2,3,4,5	423333	77344	-11208	948168	173233	SLU 29	2.24	Si
508	18.1	1.1	0	5	356110	72473	-11057	1023199	208234	SLU 29	2.873	Si
537	18.1	1.1	0	5	288887	67602	-10905	1118795	261807	SLU 29	3.873	Si
770	18.1	1.1	0	5	-269884	31522	-11041	-1236690	144443	SLU 36	4.582	Si
566	18.1	1.1	0	5	221663	62731	-10753	1210079	342452	SLU 29	5.459	Si
-22	0	0.9	0	1	-21466	-4672	-32735	-124910	-27188	SLU 36	5.819	Si
-17	1.47	0.9	0	1	-20750	-3793	-32699	-122739	-22436	SLU 36	5.915	Si
741	18.1	1.1	0	5	-203770	36122	-11190	-1340938	237707	SLU 36	6.581	Si
14	17.38	1.8	0	1,2,3,4	-16835	1017	-32501	-116652	7044	SLU 36	6.929	Si
44	18.1	1.8	0	1,2,3,4	-12858	5906	-32300	-90214	41438	SLU 36	7.016	Si
75	18.1	0.9	0	2,3,4	-8838	10851	-32096	-62401	76615	SLU 36	7.061	Si
105	18.1	0.9	0	2,3,4	-4910	15685	-31897	-34885	111437	SLU 36	7.105	Si
136	18.1	0.9	0	2,3,4	-940	20575	-31696	-6718	147103	SLU 36	7.15	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	2,3,4,5	1237531	139809	-11318	684117	77288	SLV 9	0.553				No
449	18.1	2.3	0	2,3,4,5	1066986	130257	-11203	700224	85483	SLV 9	0.656				No
478	18.1	2.3	0	2,3,4,5	893574	120478	-11086	724307	97657	SLV 9	0.811				No
770	18.1	1.1	0	5	-845033	41650	-9922	-717024	35341	SLV 9	0.849				No
508	18.1	1.1	0	5	720356	110621	-10970	763353	117224	SLV 9	1.06				Si
741	18.1	1.1	0	5	-674673	49767	-10036	-759231	56004	SLV 9	1.125				Si
350	18.1	0.9	0	2,3,4	660258	164850	-7981	867295	216542	SLV 11	1.314				Si
319	18.1	0.9	0	2,3,4	597906	149696	-8133	896786	224526	SLV 11	1.5				Si
537	18.1	1.1	0	5	547546	100657	-10853	834295	153370	SLV 9	1.524				Si
712	18.1	1.1	0	5	-501613	59722	-10153	-842802	100345	SLV 9	1.68				Si
289	18.1	0.9	0	2,3,4	534588	134300	-8288	936046	235154	SLV 11	1.751				Si
258	18.1	0.9	0	2,3,4	471368	118916	-8443	988939	249489	SLV 11	2.098				Si
566	18.1	1.1	0	5	246729	241579	-4001	620466	607516	SLV 13	2.515				Si
228	18.1	0.9	0	2,3,4	408313	103558	-8597	1064330	269939	SLV 11	2.607				Si
595	18.1	1.1	0	5	84440	219481	-1399	248678	646377	SLV 15	2.945				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	752106	97604	-9924	734937	95376	SLD 9	0.977	No
449	18.1	2.3	0	2,3,4,5	651947	91406	-9809	760854	106675	SLD 9	1.167	Si
478	18.1	2.3	0	2,3,4,5	550089	85073	-9693	799490	123644	SLD 9	1.453	Si
770	18.1	1.1	0	5	-470054	30179	-8528	-809014	51942	SLD 9	1.721	Si
508	18.1	1.1	0	5	448316	78706	-9576	860256	151026	SLD 9	1.919	Si
741	18.1	1.1	0	5	-369976	35735	-8643	-900383	86965	SLD 9	1.834	Si
537	18.1	1.1	0	5	346724	72291	-9459	955978	199320	SLD 9	2.757	Si
712	18.1	1.1	0	5	-268273	42145	-8759	-1069224	167970	SLD 9	3.986	Si
566	18.1	1.1	0	5	188542	132536	-6363	829098	582816	SLD 13	4.397	Si
350	18.1	0.9	0	2,3,4	365836	11186	-19817	1899583	58085	SLD 7	5.192	Si
319	18.1	0.9	0	2,3,4	331544	10381	-19970	1915244	59967	SLD 7	5.777	Si
-22	0	0.9	0	1	-18225	19719	-31754	-109329	118287	SLD 1	5.999	Si
-17	1.47	0.9	0	1	-16467	17995	-31726	-100389	109704	SLD 1	6.096	Si
289	18.1	0.9	0	2,3,4	-267104	58791	-23888	-1655769	364443	SLD 9	6.199	Si
595	18.1	1.1	0	5	119978	116998	-6246	763987	745009	SLD 13	6.368	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.426	110	0.465	0.161	0.444	SLV 9	No
449	0.563	195	0.588	0.211	0.579	SLV 9	No
478	0.762	378	0.771	0.281	0.771	SLV 9	No
770	0.834	460	0.836	0.305	0.839	SLV 9	No
508	1.074	847	1.074	0.39	1.071	SLV 9	Si
741	1.129	956	1.128	0.409	1.124	SLV 9	Si
350	1.188	1092	1.192	0.429	1.179	SLV 11	Si
319	1.279	1329	1.292	0.46	1.265	SLV 11	Si
537	1.633	2474	1.666	0.573	1.575	SLV 9	Si
712	1.631	2474	1.666	0.573	1.575	SLV 9	Si
289	1.389	1654	1.413	0.497	1.366	SLV 11	Si
258	1.518	2097	1.557	0.541	1.486	SLV 11	Si
566	2.184	2474	1.666	0.573	1.575	SLV 15	Si
228	1.67	2474	1.666	0.573	1.575	SLV 11	Si
595	1.809	2474	1.666	0.573	1.575	SLV 15	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.961	76	1.005	0.135	0.955	SLD 9	Si
449	1.27	134	1.269	0.178	1.26	SLD 9	Si
478	1.723	257	1.657	0.238	1.686	SLD 9	Si
770	1.883	313	1.796	0.259	1.834	SLD 9	Si
508	1.83	551	2.265	0.329	2.329	SLD 9	Si
741	2.553	620	2.377	0.345	1.842	SLD 9	Si
537	3.695	1596	3.503	0.491	3.479	SLD 9	Si
712	3.689	1589	3.497	0.49	3.474	SLD 9	Si
566	4.938	2474	4.193	0.603	4.276	SLD 15	Si
350	2.682	699	1.897	0.361	2.561	SLD 11	Si
319	2.893	841	2.694	0.389	2.755	SLD 11	Si
-22	2.535	610	2.362	0.342	1.826	SLD 15	Si
-17	2.886	836	2.687	0.388	2.749	SLD 15	Si
289	3.139	1032	2.93	0.421	2.98	SLD 11	Si
595	5.45	2474	4.193	0.603	4.276	SLD 15	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-167	-9694	SLU 29	6425	3562	26630	2.5	38.47	-2351	-10067	SLU 30	6473	3562	26680	2.5	2.75	Si
741	2X/2Y ø6/24.8	-167	-9843	SLU 29	6444	3562	26650	2.5	38.59	-2351	-10216	SLU 30	6493	3562	26700	2.5	2.76	Si
712	2X/2Y ø6/24.8	-167	-9995	SLU 29	6464	3562	26670	2.5	38.7	-2351	-10368	SLU 30	6513	3562	26721	2.5	2.77	Si
683	2X/2Y ø6/24.8	-167	-10147	SLU 29	6484	3562	26691	2.5	38.82	-2351	-10520	SLU 30	6532	3562	26741	2.5	2.78	Si
653	2X/2Y ø6/24.8	-167	-10298	SLU 29	6503	3562	26711	2.5	38.94	-2351	-10671	SLU 30	6552	3562	26762	2.5	2.79	Si
624	2X/2Y ø6/24.8	-167	-10450	SLU 29	6523	3562	26732	2.5	39.06	-2351	-10823	SLU 30	6572	3562	26782	2.5	2.8	Si
595	2X/2Y ø6/24.8	-167	-10602	SLU 29	6543	3562	26752	2.5	39.18	-2351	-10975	SLU 30	6591	3562	26802	2.5	2.8	Si
566	2X/2Y ø6/24.8	-167	-10753	SLU 29	6563	3562	26773	2.5	39.3	-2351	-11126	SLU 30	6611	3562	26823	2.5	2.81	Si
537	2X/2Y ø6/24.8	-167	-10905	SLU 29	6582	3562	26793	2.5	39.41	-2351	-11278	SLU 30	6631	3562	26843	2.5	2.82	Si
508	2X/2Y ø6/24.8	-167	-11057	SLU 29	6602	3562	26813	2.5	39.53	-2351	-11430	SLU 30	6651	3562	26864	2.5	2.83	Si
478	2X/2Y ø6/24.8	-167	-11208	SLU 29	6622	3562	26834	2.5	39.65	-2351	-11581	SLU 30	6670	3562	26884	2.5	2.84	Si
449	2X/2Y ø6/24.8	-167	-11360	SLU 29	6642	3562	26854	2.5	39.77	-2351	-11733	SLU 30	6690	3562	26904	2.5	2.85	Si
420	2X/2Y ø6/24.8	-167	-11509	SLU 29	6661	3562	26874	2.5	39.88	-2351	-11882	SLU 30	6710	3562	26925	2.5	2.85	Si
350	2X/2Y ø6/23.9	167	-29889	SLU 29	10323	4223	36688	2.5	61.92	206	-26874	SLU 26	9924	4223	36275	2.5	48.23	Si
319	2X/2Y ø6/23.9	167	-30087	SLU 29	10349	4223	36715	2.5	62.07	206	-27072	SLU 26	9950	4223	36302	2.5	48.34	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-1355	1047	SLV 15	5163	3562	25325	2.5	3.81	-7105	-10571	SLV 9	6539	3562	26748	2.5	0.92	No
741	2X/2Y ø6/24.8	-1355	932	SLV 15	5163	3562	25325	2.5	3.81	-7105	-10686	SLV 9	6554	3562	26763	2.5	0.92	No
712	2X/2Y ø6/24.8	-1355	816	SLV 15	5163	3562	25325	2.5	3.81	-7105	-10803	SLV 9	6569	3562	26779	2.5	0.92	No
683	2X/2Y ø6/24.8	-1355	699	SLV 15	5163	3562	25325	2.5	3.81	-7105	-10919	SLV 9	6584	3562	26795	2.5	0.93	No
653	2X/2Y ø6/24.8	-1355	582	SLV 15	5163	3562	25325	2.5	3.81	-7105	-11036	SLV 9	6599	3562	26811	2.5	0.93	No
624	2X/2Y ø6/24.8	-1355	466	SLV 15	5163	3562	25325	2.5	3.81	-7105	-11153	SLV 9	6615	3562	26826	2.5	0.93	No
595	2X/2Y ø6/24.8	-1355	349	SLV 15	5163	3562	25325	2.5	3.81	-7105	-11269	SLV 9	6630	3562	26842	2.5	0.93	No
566	2X/2Y ø6/24.8	-1355	232	SLV 15	5163	3562	25325	2.5	3.81	-7105	-11386	SLV 9	6645	3562	26858	2.5	0.94	No
537	2X/2Y ø6/24.8	-1355	116	SLV 15	5163	3562	25325	2.5	3.81	-7105	-11503	SLV 9	6660	3562	26873	2.5	0.94	No
508	2X/2Y ø6/24.8	-1355	-1	SLV 15	5164	3562	25325	2.5	3.81	-7105	-11619	SLV 9	6675	3562	26889	2.5	0.94	No
478	2X/2Y ø6/24.8	-1355	-118	SLV 15	5179	3562	25341	2.5	3.82	-7105	-11736	SLV 9	6691	3562	26905	2.5	0.94	No
449	2X/2Y ø6/24.8	-1355	-234	SLV 15	5194	3562	25357	2.5	3.83	-7105	-11853	SLV 9	6706	3562	26921	2.5	0.94	No
420	2X/2Y ø6/24.8	-1355	-349	SLV 15	5209	3562	25372	2.5	3.84	-7105	-11967	SLV 9	6721	3562	26936	2.5	0.95	No
350	2X/2Y ø6/23.9	1407	1576	SLV 15	6368	4223	32596	2.5	4.52	2598	-4414	SLV 11	6952	4223	33200	2.5	2.68	Si
319	2X/2Y ø6/23.9	1407	1423	SLV 15	6368	4223	32596	2.5	4.52	2598	-4566	SLV 11	6972	4223	33221	2.5	2.68	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-556	-4448	SLD 15	5742	3562	25924	2.5	10.34	-3498	-8528	SLD 9	6273	3562	26473	2.5	1.79	Si
741	2X/2Y ø6/24.8	-556	-4563	SLD 15	5757	3562	25939	2.5	10.36	-3498	-8643	SLD 9	6288	3562	26488	2.5	1.8	Si
712	2X/2Y ø6/24.8	-556	-4680	SLD 15	5772	3562	25955	2.5	10.39	-3498	-8759	SLD 9	6303	3562	26504	2.5	1.8	Si
683	2X/2Y ø6/24.8	-556	-4796	SLD 15	5788	3562	25971	2.5	10.42	-3498	-8876	SLD 9	6318	3562	26520	2.5	1.81	Si
653	2X/2Y ø6/24.8	-556	-4913	SLD 15	5803	3562	25986	2.5	10.45	-3498	-8993	SLD 9	6334	3562	26536	2.5	1.81	Si
624	2X/2Y ø6/24.8	-556	-5030	SLD 15	5818	3562	26002	2.5	10.47	-3498	-9109	SLD 9	6349	3562	26551	2.5	1.82	Si
595	2X/2Y ø6/24.8	-556	-5146	SLD 15	5833	3562	26018	2.5	10.5	-3498	-9226	SLD 9	6364	3562	26567	2.5	1.82	Si
566	2X/2Y ø6/24.8	-556	-5263	SLD 15	5848	3562	26033	2.5	10.53	-3498	-9343	SLD 9	6379	3562	26583	2.5	1.82	Si
537	2X/2Y ø6/24.8	-556	-5380	SLD 15	5863	3562	26049	2.5	10.55	-3498	-9459	SLD 9	6394	3562	26598	2.5	1.83	Si
508	2X/2Y ø6/24.8	-556	-5496	SLD 15	5879	3562	26065	2.5	10.58	-3498	-9576	SLD 9	6409	3562	26614	2.5	1.83	Si
478	2X/2Y ø6/24.8	-556	-5613	SLD 15	5894	3562	26081	2.5	10.61	-3498	-9693	SLD 9	6425	3562	26630	2.5	1.84	Si
449	2X/2Y ø6/24.8	-556	-5730	SLD 15	5909	3562	26096	2.5	10.64	-3498	-9809	SLD 9	6440	3562	26645	2.5	1.84	Si
420	2X/2Y ø6/24.8	-556	-5844	SLD 15	5924	3562	26112	2.5	10.66	-3498	-9924	SLD 9	6455	3562	26661	2.5	1.85	Si
350	2X/2Y ø6/23.9	573	-13525	SLD 15	8158	4223	34447	2.5	14.24	1146	-19817	SLD 7	8990	4223	35309	2.5	7.84	Si
319	2X/2Y ø6/23.9	573	-13677	SLD 15	8178	4223	34468	2.5	14.28	1146	-19970	SLD 7	9010	4223	35330	2.5	7.86	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.891	538	0.891	0.325	0.894	SLV 9	No
741	0.893	541	0.893	0.326	0.896	SLV 9	No
712	0.896	546	0.897	0.327	0.9	SLV 9	No
683	0.898	549	0.899	0.328	0.902	SLV 9	No
653	0.902	555	0.903	0.33	0.906	SLV 9	No
624	0.904	558	0.905	0.33	0.907	SLV 9	No
595	0.908	564	0.909	0.332	0.911	SLV 9	No
566	0.91	567	0.911	0.332	0.913	SLV 9	No
537	0.914	573	0.915	0.334	0.917	SLV 9	No
508	0.916	575	0.916	0.334	0.918	SLV 9	No
478	0.92	581	0.92	0.336	0.922	SLV 9	No
449	0.922	584	0.922	0.336	0.924	SLV 9	No
420	0.926	590	0.926	0.338	0.928	SLV 9	No
350	1.877	2474	1.666	0.573	1.575	SLV 7	Si
319	1.882	2474	1.666	0.573	1.575	SLV 7	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	2.535	610	2.362	0.342	1.826	SLD 9	Si
741	2.547	617	2.373	0.344	1.837	SLD 9	Si
712	2.553	620	2.377	0.345	1.842	SLD 9	Si
683	2.559	624	2.384	0.345	1.847	SLD 9	Si
653	2.57	632	2.396	0.347	1.86	SLD 9	Si
624	2.576	635	1.801	0.348	1.865	SLD 9	Si
595	2.588	642	1.812	0.349	1.875	SLD 9	Si
566	2.594	645	1.816	0.35	1.881	SLD 9	Si
537	2.605	652	1.827	0.352	1.891	SLD 9	Si
508	2.611	656	1.833	0.352	1.896	SLD 9	Si
478	2.617	659	1.838	0.353	2.501	SLD 9	Si
449	2.629	667	1.85	0.355	2.513	SLD 9	Si
420	2.641	674	1.86	0.356	2.524	SLD 9	Si
350	7.057	2474	4.193	0.603	4.276	SLD 7	Si
319	7.07	2474	4.193	0.603	4.276	SLD 7	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 42

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-656871	-4302	-36514	-1912646	-12527	SLU 30	2.912	Si
20	18.1	1.8	0	1,2,3,4	-576010	-1224	-36323	-1919831	-4078	SLU 30	3.333	Si
50	18.1	1.8	0	1,2,3,4	-491612	1990	-36123	-1856404	7513	SLU 30	3.776	Si
80	18.1	0.9	0	2,3,4	-408291	5162	-35925	-1722472	21777	SLU 30	4.219	Si
350	18.1	0.9	0	2,3,4	340109	33660	-34152	1603165	158662	SLU 30	4.714	Si
110	18.1	0.9	0	2,3,4	-324972	8334	-35728	-1539650	39486	SLU 30	4.738	Si
420	18.1	2.3	0	2,3,4,5	-246332	63955	-11356	-1205235	312913	SLU 20	4.893	Si
320	18.1	0.9	0	2,3,4	258196	30541	-34346	1370660	162127	SLU 30	5.309	Si
140	18.1	0.9	0	2,3,4	-241656	11507	-35530	-1293349	61584	SLU 30	5.352	Si
449	18.1	2.3	0	2,3,4,5	-209846	60019	-11207	-1230611	351972	SLU 20	5.864	Si
290	18.1	0.9	0	2,3,4	174893	27368	-34543	1049237	164190	SLU 30	5.999	Si
170	18.1	0.9	0	2,3,4	-158342	14679	-35333	-960292	89023	SLU 30	6.065	Si
200	18.1	0.9	0	2,3,4	-72238	16832	-35392	-462546	107779	SLU 36	6.403	Si
230	18.1	0.9	0	2,3,4	7178	19847	-35194	46220	127799	SLU 36	6.439	Si
260	18.1	0.9	0	2,3,4	86421	22856	-34997	559615	148002	SLU 36	6.475	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	-3491099	20613	-13245	-737711	4356	SLV 7	0.211				No
20	18.1	1.8	0	1,2,3,4	-3014889	10266	-13098	-745434	2538	SLV 7	0.247				No
50	18.1	1.8	0	1,2,3,4	-2517841	-1565	-12944	-756889	-471	SLV 7	0.301				No
350	18.1	0.9	0	2,3,4	2381206	-116947	-11428	751188	-36893	SLV 7	0.315				No
80	18.1	0.9	0	2,3,4	-2027129	-15292	-12792	-774175	-5840	SLV 7	0.382				No
320	18.1	0.9	0	2,3,4	1898689	-105721	-11577	770130	-42882	SLV 7	0.406				No
110	18.1	0.9	0	2,3,4	-1536426	-26175	-12640	-804297	-13702	SLV 7	0.523				No
290	18.1	0.9	0	2,3,4	1408001	-94308	-11729	805023	-53921	SLV 7	0.572				No
140	18.1	0.9	0	2,3,4	-1045742	-37409	-12488	-869832	-31117	SLV 7	0.832				No
420	18.1	2.3	0	2,3,4,5	-806978	-105906	-7325	-682985	-89634	SLV 7	0.846				No
770	18.1	1.1	0	5	730982	-15136	-5929	673937	-13955	SLV 7	0.922				No
260	18.1	0.9	0	2,3,4	917332	-82900	-11881	888185	-80266	SLV 7	0.968				No
449	18.1	2.3	0	2,3,4,5	-680801	-97798	-7210	-700979	-100697	SLV 7	1.03				Si
741	18.1	1.1	0	5	604817	-20892	-6044	695586	-24028	SLV 7	1.15				Si
478	18.1	2.3	0	2,3,4,5	-552464	-89594	-7094	-729657	-118329	SLV 7	1.321				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-1808922	7434	-20647	-860577	3537	SLD 7	0.476	No
20	18.1	1.8	0	1,2,3,4	-1565574	4104	-20500	-893413	2342	SLD 7	0.571	No
50	18.1	1.8	0	1,2,3,4	-1311579	188	-20346	-945354	136	SLD 7	0.721	No
350	18.1	0.9	0	2,3,4	1191819	-37949	-18830	950841	-30276	SLD 7	0.798	No
80	18.1	0.9	0	2,3,4	-1060821	-4583	-20194	-1029723	-4448	SLD 7	0.971	No
320	18.1	0.9	0	2,3,4	945257	-34254	-18979	1056301	-38278	SLD 7	1.117	Si
110	18.1	0.9	0	2,3,4	-810069	-8107	-20042	-1199027	-12000	SLD 7	1.48	Si
420	18.1	2.3	0	2,3,4,5	-457551	-19602	-8293	-809035	-34660	SLD 7	1.768	Si
290	18.1	0.9	0	2,3,4	694517	-30497	-19131	1294945	-56863	SLD 7	1.865	Si
770	18.1	1.1	0	5	402865	942	-6897	793659	1856	SLD 7	1.97	Si
449	18.1	2.3	0	2,3,4,5	-386940	-17627	-8178	-860408	-39196	SLD 7	2.224	Si
741	18.1	1.1	0	5	332259	5	-7011	861082	12	SLD 7	2.592	Si
140	18.1	0.9	0	2,3,4	-559325	-11786	-19891	-1571039	-33104	SLD 7	2.809	Si
478	18.1	2.3	0	2,3,4,5	-315114	-15638	-8061	-948491	-47069	SLD 7	3.01	Si
712	18.1	1.1	0	5	260441	-1315	-7128	992550	-5010	SLD 7	3.811	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.208	27	0.261	0.078	0.215	SLV 7	No
20	0.258	41	0.31	0.098	0.268	SLV 7	No
50	0.33	65	0.375	0.125	0.344	SLV 7	No
350	0.368	82	0.412	0.14	0.384	SLV 7	No
80	0.432	113	0.47	0.163	0.449	SLV 7	No
320	0.48	140	0.513	0.181	0.498	SLV 7	No
110	0.591	217	0.614	0.221	0.607	SLV 7	No
290	0.659	276	0.678	0.245	0.673	SLV 7	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
140	0.874	514	0.875	0.32	0.878	SLV 7	No
420	0.836	463	0.838	0.306	0.842	SLV 7	No
770	0.918	578	0.918	0.335	0.92	SLV 7	No
260	0.979	675	0.978	0.356	0.979	SLV 7	No
449	1.031	767	1.031	0.375	1.03	SLV 7	Si
741	1.15	1004	1.151	0.416	1.144	SLV 7	Si
478	1.316	1434	1.333	0.473	1.299	SLV 7	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.469	18	0.557	0.065	0.457	SLD 7	No
20	0.583	28	0.668	0.081	0.572	SLD 7	No
50	0.745	47	0.826	0.105	0.746	SLD 7	No
350	0.832	58	0.9	0.118	0.833	SLD 7	No
80	0.976	78	1.016	0.137	0.97	SLD 7	Si
320	1.086	97	1.111	0.152	1.08	SLD 7	Si
110	1.336	149	1.325	0.187	1.323	SLD 7	Si
420	1.895	316	1.803	0.26	1.842	SLD 7	Si
290	1.49	187	1.454	0.207	1.468	SLD 7	Si
770	2.078	387	1.96	0.284	2.01	SLD 7	Si
449	2.336	502	2.18	0.317	2.244	SLD 7	Si
741	2.605	652	1.827	0.352	1.891	SLD 7	Si
140	1.975	346	1.872	0.27	1.916	SLD 7	Si
478	2.986	909	2.781	0.401	2.841	SLD 7	Si
712	3.396	1276	3.196	0.454	3.214	SLD 7	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	107	-33872	SLU 29	10850	4223	37233	2.5	101.74	2777	-34152	SLU 30	10887	4223	37271	2.5	3.92	Si
320	2X/2Y ø6/23.9	107	-34066	SLU 29	10876	4223	37260	2.5	101.98	2777	-34346	SLU 30	10913	4223	37298	2.5	3.93	Si
290	2X/2Y ø6/23.9	107	-34264	SLU 29	10902	4223	37287	2.5	102.23	2777	-34543	SLU 30	10939	4223	37325	2.5	3.94	Si
260	2X/2Y ø6/23.9	107	-34461	SLU 29	10928	4223	37314	2.5	101.87	2777	-34741	SLU 30	10965	4223	37352	2.5	3.95	Si
230	2X/2Y ø6/23.9	107	-34659	SLU 29	10954	4223	37341	2.5	102.72	2777	-34938	SLU 30	10991	4223	37379	2.5	3.96	Si
200	2X/2Y ø6/23.9	107	-34857	SLU 29	10980	4223	37368	2.5	102.96	2777	-35136	SLU 30	11017	4223	37406	2.5	3.97	Si
170	2X/2Y ø6/23.9	107	-35054	SLU 29	11007	4223	37395	2.5	103.21	2777	-35333	SLU 30	11043	4223	37433	2.5	3.98	Si
140	2X/2Y ø6/23.9	107	-35251	SLU 29	11033	4223	37422	2.5	103.45	2777	-35530	SLU 30	11070	4223	37460	2.5	3.99	Si
110	2X/2Y ø6/23.9	107	-35449	SLU 29	11059	4223	37449	2.5	103.7	2777	-35728	SLU 30	11096	4223	37487	2.5	4	Si
80	2X/2Y ø6/23.9	107	-35646	SLU 29	11085	4223	37476	2.5	103.94	2777	-35925	SLU 30	11122	4223	37514	2.5	4	Si
50	2X/2Y ø6/23.9	107	-35843	SLU 29	11111	4223	37503	2.5	104.19	2777	-36123	SLU 30	11148	4223	37541	2.5	4.01	Si
20	2X/2Y ø6/23.9	107	-36043	SLU 29	11138	4223	37530	2.5	104.43	2777	-36323	SLU 30	11174	4223	37568	2.5	4.02	Si
-10	2X/2Y ø6/23.9	107	-36235	SLU 29	11163	4223	37556	2.5	104.67	2778	-36514	SLU 30	11200	4223	37595	2.5	4.03	Si
770	2X/2Y ø6/24.8	-137	-9541	SLU 20	6405	3562	26609	2.5	46.65	1273	-9541	SLU 20	6405	3562	26609	2.5	5.03	Si
741	2X/2Y ø6/24.8	-137	-9690	SLU 20	6424	3562	26629	2.5	46.8	1273	-9690	SLU 20	6424	3562	26629	2.5	5.05	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-1390	-18268	SLV 3	8785	4223	35097	2.5	6.32	20087	-7976	SLV 7	7423	4223	33688	2.5	0.37	No
320	2X/2Y ø6/23.9	-1390	-18418	SLV 3	8805	4223	35117	2.5	6.34	20087	-8125	SLV 7	7443	4223	33708	2.5	0.37	No
290	2X/2Y ø6/23.9	-1390	-18570	SLV 3	8825	4223	35138	2.5	6.35	20087	-8277	SLV 7	7463	4223	33729	2.5	0.37	No
260	2X/2Y ø6/23.9	-1390	-18722	SLV 3	8845	4223	35159	2.5	6.36	20087	-8429	SLV 7	7483	4223	33750	2.5	0.37	No
230	2X/2Y ø6/23.9	-1390	-18873	SLV 3	8865	4223	35180	2.5	6.38	20087	-8581	SLV 7	7503	4223	33771	2.5	0.37	No
200	2X/2Y ø6/23.9	-1390	-19026	SLV 3	8886	4223	35200	2.5	6.39	20087	-8733	SLV 7	7523	4223	33791	2.5	0.37	No
170	2X/2Y ø6/23.9	-1390	-19177	SLV 3	8906	4223	35221	2.5	6.41	20087	-8885	SLV 7	7544	4223	33812	2.5	0.38	No
140	2X/2Y ø6/23.9	-1390	-19329	SLV 3	8926	4223	35242	2.5	6.42	20088	-9037	SLV 7	7564	4223	33833	2.5	0.38	No
110	2X/2Y ø6/23.9	-1390	-19481	SLV 3	8946	4223	35263	2.5	6.44	20088	-9189	SLV 7	7584	4223	33854	2.5	0.38	No
80	2X/2Y ø6/23.9	-1390	-19633	SLV 3	8966	4223	35284	2.5	6.45	20088	-9340	SLV 7	7604	4223	33875	2.5	0.38	No
50	2X/2Y ø6/23.9	1454	-22898	SLV 15	9398	4223	35731	2.5	6.46	20088	-9492	SLV 7	7624	4223	33895	2.5	0.38	No
20	2X/2Y ø6/23.9	1454	-23052	SLV 15	9418	4223	35752	2.5	6.48	20088	-9646	SLV 7	7644	4223	33916	2.5	0.38	No
-10	2X/2Y ø6/23.9	1454	-23199	SLV 15	9438	4223	35772	2.5	6.49	20088	-9794	SLV 7	7664	4223	33937	2.5	0.38	No
770	2X/2Y ø6/24.8	-1407	-6114	SLV 15	5959	3562	26148	2.5	4.24	5308	-5482	SLV 7	5877	3562	26063	2.5	1.11	Si
741	2X/2Y ø6/24.8	-1407	-6229	SLV 15	5974	3562	26164	2.5	4.25	5308	-5596	SLV 7	5892	3562	26078	2.5	1.11	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	592	-26961	SLD 13	9936	4223	36287	2.5	16.78	8358	-18830	SLD 7	8860	4223	35174	2.5	1.06	Si
320	2X/2Y ø6/23.9	592	-27110	SLD 13	9955	4223	36307	2.5	16.82	8358	-18979	SLD 7	8879	4223	35194	2.5	1.06	Si
290	2X/2Y ø6/23.9	592	-27262	SLD 13	9975	4223	36328	2.5	16.85	8358	-19131	SLD 7	8899	4223	35215	2.5	1.06	Si
260	2X/2Y ø6/23.9	592	-27414	SLD 13	9996	4223	36349	2.5	16.88	8358	-19283	SLD 7	8920	4223	35236	2.5	1.07	Si
230	2X/2Y ø6/23.9	592	-27566	SLD 13	10016	4223	36370	2.5	16.92	8358	-19435	SLD 7	8940	4223	35256	2.5	1.07	Si
200	2X/2Y ø6/23.9	592	-27718	SLD 13	10036	4223	36390	2.5	16.95	8358	-19587	SLD 7	8960	4223	35277	2.5	1.07	Si
170	2X/2Y ø6/23.9	592	-27870	SLD 13	10056	4223	36411	2.5	16.99	8359	-19739	SLD 7	8980	4223	35298	2.5	1.07	Si
140	2X/2Y ø6/23.9	592	-28022	SLD 13	10076	4223	36432	2.5	17.02	8359	-19891	SLD 7	9000	4223	35319	2.5	1.08	Si
110	2X/2Y ø6/23.9	592	-28174	SLD 13	10096	4223	36453	2.5	17.05	8359	-20042	SLD 7	9020	4223	35340	2.5	1.08	Si
80	2X/2Y ø6/23.9	592	-28325	SLD 13	10116	4223	36474	2.5	17.09	8359	-20194	SLD 7	9040	4223	35360	2.5	1.08	Si
50	2X/2Y ø6/23.9	592	-28477	SLD 13	10136	4223	36494	2.5	17.12	8359	-20346	SLD 7	9060	4223	35381	2.5	1.08	Si
20	2X/2Y ø6/23.9	592	-28631	SLD 13	10157	4223	36515	2.5	17.16	8359	-20500	SLD 7	9081	4223	35402	2.5	1.09	Si
-10	2X/2Y ø6/23.9	592	-28779	SLD 13	10176	4223	36536	2.5	17.19	8359	-20647	SLD 7	9100	4223	35422	2.5	1.09	Si
770	2X/2Y ø6/24.8	-559	-7113	SLD 15	6089	3562	26283	2.5	10.89	2464	-6897	SLD 7	6061	3562	26253	2.5	1.86	Si
741	2X/2Y ø6/24.8	-559	-7228	SLD 15	6104	3562	26298	2.5	10.92	2464	-7011	SLD 7	6076	3562	26269	2.5	1.87	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.376	86	0.42	0.143	0.393	SLV 7	No
320	0.377	86	0.42	0.143	0.393	SLV 7	No
290	0.378	87	0.422	0.144	0.395	SLV 7	No
260	0.379	87	0.422	0.144	0.395	SLV 7	No
230	0.38	87	0.422	0.144	0.395	SLV 7	No
200	0.381	88	0.424	0.145	0.398	SLV 7	No
170	0.382	88	0.424	0.145	0.398	SLV 7	No
140	0.383	89	0.426	0.146	0.4	SLV 7	No
110	0.384	89	0.426	0.146	0.4	SLV 7	No
80	0.385	90	0.428	0.146	0.402	SLV 7	No
50	0.386	90	0.428	0.146	0.402	SLV 7	No
20	0.387	91	0.43	0.147	0.404	SLV 7	No
-10	0.388	91	0.43	0.147	0.404	SLV 7	No
770	1.121	940	1.121	0.406	1.116	SLV 7	Si
741	1.125	948	1.125	0.408	1.12	SLV 7	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.07	95	1.102	0.151	1.067	SLD 7	Si
320	1.074	95	1.102	0.151	1.067	SLD 7	Si
290	1.076	96	1.107	0.151	1.073	SLD 7	Si
260	1.078	96	1.107	0.151	1.073	SLD 7	Si
230	1.082	97	1.111	0.152	1.08	SLD 7	Si
200	1.084	97	1.111	0.152	1.08	SLD 7	Si
170	1.088	97	1.111	0.152	1.08	SLD 7	Si
140	1.09	98	1.116	0.153	1.086	SLD 7	Si
110	1.094	98	1.116	0.153	1.086	SLD 7	Si
80	1.096	99	1.121	0.154	1.092	SLD 7	Si
50	1.098	99	1.121	0.154	1.092	SLD 7	Si
20	1.102	100	1.125	0.155	1.098	SLD 7	Si
-10	1.104	100	1.125	0.155	1.098	SLD 7	Si
770	3.203	1091	2.997	0.429	3.04	SLD 7	Si
741	3.215	1102	3.01	0.431	3.051	SLD 7	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 43

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	487718	49733	-11778	915637	93368	SLU 30	1.877	Si
449	18.1	2.3	0	2,3,4,5	425973	47018	-11236	960327	105999	SLU 29	2.254	Si
478	18.1	2.3	0	2,3,4,5	369648	44704	-11084	1030142	124581	SLU 29	2.787	Si
508	18.1	1.1	0	5	313324	42390	-10932	1118823	151366	SLU 29	3.571	Si
537	18.1	1.1	0	5	256999	40075	-10781	1228181	191517	SLU 29	4.779	Si
-22	0	0.9	0	1	-16525	2910	-32707	-96243	16948	SLU 36	5.824	Si
-17	1.47	0.9	0	1	-15145	3171	-32671	-89660	18771	SLU 36	5.92	Si
770	18.1	1.1	0	5	-215932	24452	-10932	-1358152	153799	SLU 36	6.29	Si
566	18.1	1.1	0	5	200675	37761	-10629	1319614	248313	SLU 29	6.576	Si
14	17.38	1.8	0	1,2,3,4	-7594	4596	-32473	-52666	31872	SLU 36	6.935	Si
44	18.1	1.8	0	1,2,3,4	79	6045	-32272	558	42448	SLU 36	7.022	Si
75	18.1	0.9	0	2,3,4	7838	7510	-32068	55388	53073	SLU 36	7.067	Si
105	18.1	0.9	0	2,3,4	15420	8943	-31869	109650	63590	SLU 36	7.111	Si
136	18.1	0.9	0	2,3,4	23087	10392	-31668	165212	74363	SLU 36	7.156	Si
167	18.1	0.9	0	2,3,4	30752	11841	-31467	221468	85273	SLU 36	7.202	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	2,3,4,5	1089369	194457	-11201	696572	124341	SLV 9	0.639				No
449	18.1	2.3	0	2,3,4,5	940159	180815	-11086	715343	137578	SLV 9	0.761				No
478	18.1	2.3	0	2,3,4,5	788429	166969	-10969	743662	157489	SLV 9	0.943				No
770	18.1	1.1	0	5	-732058	38628	-9805	-738771	38983	SLV 9	1.009				Si
508	18.1	1.1	0	5	636846	153166	-10853	789027	189766	SLV 9	1.239				Si
741	18.1	1.1	0	5	-583000	48425	-9919	-791066	65707	SLV 9	1.357				Si
350	18.1	0.9	0	2,3,4	717572	-132436	-14986	1072877	-198012	SLV 7	1.495				Si
319	18.1	0.9	0	2,3,4	653198	-120726	-15138	1131185	-209068	SLV 7	1.732				Si
537	18.1	1.1	0	5	485574	139416	-10736	856538	245926	SLV 9	1.764				Si
289	18.1	0.9	0	2,3,4	587894	-108821	-15293	1208956	-223782	SLV 7	2.056				Si
712	18.1	1.1	0	5	-431560	59956	-10036	-896569	124560	SLV 9	2.078				Si
258	18.1	0.9	0	2,3,4	522769	-96918	-15448	1310010	-242869	SLV 7	2.506				Si
566	18.1	1.1	0	5	335152	125738	-10619	961297	360647	SLV 9	2.868				Si
228	18.1	0.9	0	2,3,4	457903	-85022	-15603	1440017	-267378	SLV 7	3.145				Si
683	18.1	1.1	0	5	223730	29317	-3700	783347	102649	SLV 11	3.501				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	649907	106372	-9792	760851	124530	SLD 9	1.171	Si
449	18.1	2.3	0	2,3,4,5	564342	99389	-9677	791973	139478	SLD 9	1.403	Si
478	18.1	2.3	0	2,3,4,5	477321	92299	-9560	837310	161909	SLD 9	1.754	Si
770	18.1	1.1	0	5	-393961	25893	-8396	-863022	56721	SLD 9	2.191	Si
508	18.1	1.1	0	5	390365	85228	-9444	901827	196894	SLD 9	2.31	Si
741	18.1	1.1	0	5	-308463	31172	-8510	-986729	99715	SLD 9	3.199	Si
537	18.1	1.1	0	5	303547	78181	-9327	997010	256787	SLD 9	3.285	Si
566	18.1	1.1	0	5	217105	71165	-9210	1117028	366151	SLD 9	5.145	Si
350	18.1	0.9	0	2,3,4	350563	-49604	-18665	1827115	-258531	SLD 7	5.212	Si
712	18.1	1.1	0	5	-221571	37239	-8627	-1173502	197231	SLD 9	5.296	Si
319	18.1	0.9	0	2,3,4	318840	-45060	-18818	1845503	-260817	SLD 7	5.788	Si
289	18.1	0.9	0	2,3,4	286650	-40442	-18972	1832359	-258517	SLD 7	6.392	Si
-22	0	0.9	0	1	-49223	7002	-27202	-344690	49030	SLD 5	7.003	Si
258	18.1	0.9	0	2,3,4	254539	-35824	-19127	1790067	-251936	SLD 7	7.033	Si
-17	1.47	0.9	0	1	-44848	6340	-27174	-319215	45126	SLD 5	7.118	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.557	191	0.583	0.209	0.574	SLV 9	No
449	0.709	323	0.723	0.262	0.721	SLV 9	No
478	0.932	600	0.932	0.34	0.934	SLV 9	No
770	1.01	728	1.009	0.367	1.009	SLV 9	Si
508	1.281	1335	1.294	0.461	1.267	SLV 9	Si
741	1.344	1515	1.363	0.482	1.325	SLV 9	Si
350	1.297	1378	1.311	0.466	1.281	SLV 7	Si
319	1.414	1736	1.441	0.506	1.39	SLV 7	Si
537	1.895	2474	1.666	0.573	1.575	SLV 9	Si
289	1.555	2237	1.599	0.553	1.52	SLV 7	Si
712	1.832	2474	1.666	0.573	1.575	SLV 7	Si
258	1.725	2474	1.666	0.573	1.575	SLV 7	Si
566	2.676	2474	1.666	0.573	1.575	SLV 15	Si
228	1.93	2474	1.666	0.573	1.575	SLV 7	Si
683	1.8	2474	1.666	0.573	1.575	SLV 11	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	1.258	131	1.257	0.176	1.245	SLD 9	Si
449	1.602	219	1.552	0.222	1.572	SLD 9	Si
478	2.107	399	1.984	0.288	2.037	SLD 9	Si
770	2.283	476	2.133	0.31	2.197	SLD 9	Si
508	2.898	845	2.699	0.39	2.761	SLD 9	Si
741	3.039	949	2.831	0.408	2.89	SLD 9	Si
537	4.288	2376	4.124	0.565	4.005	SLD 9	Si
566	6.045	2474	4.193	0.603	4.276	SLD 15	Si
350	2.928	866	2.727	0.393	2.787	SLD 7	Si
712	4.145	2169	3.973	0.547	3.878	SLD 7	Si
319	3.197	1086	2.992	0.428	3.035	SLD 7	Si
289	3.514	1396	3.316	0.468	3.318	SLD 7	Si
-22	4.428	2474	4.193	0.582	4.128	SLD 11	Si
258	3.897	1840	3.714	0.516	3.659	SLD 7	Si
-17	5.097	2474	4.193	0.603	4.276	SLD 11	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-79	-8877	SLU 20	6319	3562	26520	2.5	79.82	-1983	-9963	SLU 30	6460	3562	26666	2.5	3.26	Si
741	2X/2Y ø6/24.8	-79	-9026	SLU 20	6338	3562	26540	2.5	80.06	-1983	-10112	SLU 30	6479	3562	26686	2.5	3.27	Si
712	2X/2Y ø6/24.8	-79	-9178	SLU 20	6358	3562	26560	2.5	80.31	-1983	-10264	SLU 30	6499	3562	26707	2.5	3.28	Si
683	2X/2Y ø6/24.8	-79	-9330	SLU 20	6377	3562	26581	2.5	80.56	-1983	-10415	SLU 30	6519	3562	26727	2.5	3.29	Si
653	2X/2Y ø6/24.8	-79	-9481	SLU 20	6397	3562	26601	2.5	80.81	-1983	-10567	SLU 30	6538	3562	26747	2.5	3.3	Si
624	2X/2Y ø6/24.8	-79	-9633	SLU 20	6417	3562	26622	2.5	81.06	-1983	-10719	SLU 30	6558	3562	26768	2.5	3.31	Si
595	2X/2Y ø6/24.8	-79	-9785	SLU 20	6437	3562	26642	2.5	81.31	-1983	-10870	SLU 30	6578	3562	26788	2.5	3.32	Si
566	2X/2Y ø6/24.8	-79	-9936	SLU 20	6456	3562	26663	2.5	81.56	-1983	-11022	SLU 30	6598	3562	26809	2.5	3.33	Si
537	2X/2Y ø6/24.8	-79	-10088	SLU 20	6476	3562	26683	2.5	81.81	-1983	-11174	SLU 30	6617	3562	26829	2.5	3.34	Si
508	2X/2Y ø6/24.8	-79	-10240	SLU 20	6496	3562	26703	2.5	82.06	-1983	-11325	SLU 30	6637	3562	26850	2.5	3.35	Si
478	2X/2Y ø6/24.8	-79	-10391	SLU 20	6516	3562	26724	2.5	82.31	-1983	-11477	SLU 30	6657	3562	26870	2.5	3.36	Si
449	2X/2Y ø6/24.8	-79	-10543	SLU 20	6535	3562	26744	2.5	82.56	-1983	-11629	SLU 30	6677	3562	26890	2.5	3.37	Si
420	2X/2Y ø6/24.8	-79	-10692	SLU 20	6555	3562	26764	2.5	82.8	-1983	-11778	SLU 30	6696	3562	26910	2.5	3.38	Si
350	2X/2Y ø6/23.9	52	-28161	SLU 20	10094	4223	36451	2.5	195.31	329	-26476	SLU 26	9871	4223	36220	2.5	30.04	Si
319	2X/2Y ø6/23.9	52	-28359	SLU 20	10121	4223	36478	2.5	195.82	329	-26674	SLU 26	9898	4223	36248	2.5	30.11	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-1384	-5558	SLV 13	5887	3562	26073	2.5	4.25	-6248	-10461	SLV 9	6525	3562	26733	2.5	1.04	Si
741	2X/2Y ø6/24.8	-1384	-5672	SLV 13	5902	3562	26089	2.5	4.26	-6248	-10576	SLV 9	6540	3562	26749	2.5	1.05	Si
712	2X/2Y ø6/24.8	-1384	-5789	SLV 13	5917	3562	26104	2.5	4.27	-6248	-10693	SLV 9	6555	3562	26764	2.5	1.05	Si
683	2X/2Y ø6/24.8	-1384	-5906	SLV 13	5932	3562	26120	2.5	4.29	-6248	-10809	SLV 9	6570	3562	26780	2.5	1.05	Si
653	2X/2Y ø6/24.8	-1384	-6022	SLV 13	5947	3562	26136	2.5	4.3	-6248	-10926	SLV 9	6585	3562	26796	2.5	1.05	Si
624	2X/2Y ø6/24.8	-1384	-6139	SLV 13	5962	3562	26151	2.5	4.31	-6248	-11043	SLV 9	6600	3562	26811	2.5	1.06	Si
595	2X/2Y ø6/24.8	-1384	-6256	SLV 13	5977	3562	26167	2.5	4.32	-6248	-11159	SLV 9	6616	3562	26827	2.5	1.06	Si
566	2X/2Y ø6/24.8	-1384	-6372	SLV 13	5993	3562	26183	2.5	4.33	-6248	-11276	SLV 9	6631	3562	26843	2.5	1.06	Si
537	2X/2Y ø6/24.8	-1384	-6489	SLV 13	6008	3562	26199	2.5	4.34	-6248	-11393	SLV 9	6646	3562	26859	2.5	1.06	Si
508	2X/2Y ø6/24.8	-1384	-6606	SLV 13	6023	3562	26214	2.5	4.35	-6248	-11509	SLV 9	6661	3562	26874	2.5	1.07	Si
478	2X/2Y ø6/24.8	-1384	-6722	SLV 13	6038	3562	26230	2.5	4.36	-6248	-11626	SLV 9	6676	3562	26890	2.5	1.07	Si
449	2X/2Y ø6/24.8	-1384	-6839	SLV 13	6053	3562	26246	2.5	4.37	-6248	-11743	SLV 9	6691	3562	26906	2.5	1.07	Si
420	2X/2Y ø6/24.8	-1384	-6954	SLV 13	6068	3562	26261	2.5	4.38	-6248	-11857	SLV 9	6706	3562	26921	2.5	1.07	Si
350	2X/2Y ø6/23.9	1274	-14872	SLV 15	8336	4223	34632	2.5	6.54	2678	-10948	SLV 11	7817	4223	34095	2.5	2.92	Si
319	2X/2Y ø6/23.9	1274	-15024	SLV 15	8356	4223	34653	2.5	6.56	2678	-11100	SLV 11	7837	4223	34115	2.5	2.93	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-524	-6674	SLD 13	6032	3562	26223	2.5	11.5	-2988	-8396	SLD 9	6256	3562	26455	2.5	2.09	Si
741	2X/2Y ø6/24.8	-524	-6789	SLD 13	6047	3562	26239	2.5	11.53	-2988	-8510	SLD 9	6271	3562	26471	2.5	2.1	Si
712	2X/2Y ø6/24.8	-524	-6905	SLD 13	6062	3562	26255	2.5	11.56	-2988	-8627	SLD 9	6286	3562	26486	2.5	2.1	Si
683	2X/2Y ø6/24.8	-524	-7022	SLD 13	6077	3562	26270	2.5	11.59	-2988	-8744	SLD 9	6301	3562	26502	2.5	2.11	Si
653	2X/2Y ø6/24.8	-524	-7139	SLD 13	6092	3562	26286	2.5	11.62	-2988	-8860	SLD 9	6316	3562	26518	2.5	2.11	Si
624	2X/2Y ø6/24.8	-524	-7255	SLD 13	6107	3562	26302	2.5	11.65	-2988	-8977	SLD 9	6332	3562	26533	2.5	2.12	Si
595	2X/2Y ø6/24.8	-524	-7372	SLD 13	6123	3562	26317	2.5	11.68	-2988	-9094	SLD 9	6347	3562	26549	2.5	2.12	Si
566	2X/2Y ø6/24.8	-524	-7489	SLD 13	6138	3562	26333	2.5	11.7	-2988	-9210	SLD 9	6362	3562	26565	2.5	2.13	Si
537	2X/2Y ø6/24.8	-524	-7605	SLD 13	6153	3562	26349	2.5	11.73	-2988	-9327	SLD 9	6377	3562	26581	2.5	2.13	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
508	2X/2Y ø6/24.8	-524	-7722	SLD 13	6168	3562	26364	2.5	11.76	-2988	-9444	SLD 9	6392	3562	26596	2.5	2.14	Si
478	2X/2Y ø6/24.8	-524	-7839	SLD 13	6183	3562	26380	2.5	11.79	-2988	-9560	SLD 9	6407	3562	26612	2.5	2.14	Si
449	2X/2Y ø6/24.8	-524	-7955	SLD 13	6199	3562	26396	2.5	11.82	-2988	-9677	SLD 9	6423	3562	26628	2.5	2.15	Si
420	2X/2Y ø6/24.8	-524	-8070	SLD 13	6213	3562	26411	2.5	11.85	-2988	-9792	SLD 9	6438	3562	26643	2.5	2.15	Si
350	2X/2Y ø6/23.9	504	-21226	SLD 13	9177	4223	35502	2.5	18.2	1066	-17850	SLD 11	8730	4223	35040	2.5	8.19	Si
319	2X/2Y ø6/23.9	504	-21378	SLD 13	9197	4223	35523	2.5	18.24	1066	-18003	SLD 11	8750	4223	35060	2.5	8.21	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	1.061	821	1.06	0.385	1.058	SLV 9	Si
741	1.063	825	1.062	0.386	1.06	SLV 9	Si
712	1.066	832	1.066	0.387	1.064	SLV 9	Si
683	1.07	840	1.07	0.388	1.068	SLV 9	Si
653	1.074	847	1.074	0.39	1.071	SLV 9	Si
624	1.076	851	1.076	0.39	1.073	SLV 9	Si
595	1.08	859	1.08	0.392	1.077	SLV 9	Si
566	1.082	862	1.082	0.392	1.079	SLV 9	Si
537	1.086	870	1.086	0.394	1.083	SLV 9	Si
508	1.09	878	1.09	0.395	1.086	SLV 9	Si
478	1.094	885	1.093	0.397	1.09	SLV 9	Si
449	1.098	893	1.097	0.398	1.094	SLV 9	Si
420	1.1	897	1.099	0.399	1.096	SLV 9	Si
350	1.882	2474	1.666	0.573	1.575	SLV 11	Si
319	1.882	2474	1.666	0.573	1.575	SLV 11	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	3.021	935	2.814	0.405	2.873	SLD 9	Si
741	3.027	940	2.82	0.406	2.879	SLD 9	Si
712	3.039	949	2.831	0.408	2.89	SLD 9	Si
683	3.051	958	2.842	0.409	2.901	SLD 9	Si
653	3.063	967	2.853	0.411	2.911	SLD 9	Si
624	3.068	972	2.859	0.412	2.917	SLD 9	Si
595	3.074	977	2.865	0.412	2.922	SLD 9	Si
566	3.086	987	2.877	0.414	2.933	SLD 9	Si
537	3.098	997	2.889	0.415	2.944	SLD 9	Si
508	3.109	1007	2.9	0.417	2.954	SLD 9	Si
478	3.115	1012	2.906	0.418	2.959	SLD 9	Si
449	3.121	1017	2.912	0.418	2.965	SLD 9	Si
420	3.133	1027	2.924	0.42	2.975	SLD 9	Si
350	7.07	2474	4.193	0.603	4.276	SLD 11	Si
319	7.07	2474	4.193	0.603	4.276	SLD 11	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 44

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	476756	54588	-11842	928799	106346	SLU 30	1.948	Si
449	18.1	2.3	0	2,3,4,5	416735	52121	-11300	972334	121609	SLU 29	2.333	Si
478	18.1	2.3	0	2,3,4,5	362076	50016	-11149	1041313	143843	SLU 29	2.876	Si
508	18.1	1.1	0	5	307416	47911	-10997	1125782	175453	SLU 29	3.662	Si
537	18.1	1.1	0	5	252757	45806	-10845	1226398	222255	SLU 29	4.852	Si
-22	0	0.9	0	1	-15798	230	-33362	-90198	1313	SLU 36	5.71	Si
-17	1.47	0.9	0	1	-14460	576	-33326	-83921	3341	SLU 36	5.804	Si
770	18.1	1.1	0	5	-206797	33572	-10990	-1343249	218067	SLU 36	6.496	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
566	18.1	1.1	0	5	198098	43701	-10694	1295460	285785	SLU 29	6.54	Si
14	17.38	1.8	0	1,2,3,4	-7142	2467	-33128	-48553	16768	SLU 36	6.798	Si
44	18.1	1.8	0	1,2,3,4	294	4389	-32927	2024	30209	SLU 36	6.882	Si
75	18.1	0.9	0	2,3,4	7813	6334	-32723	54105	43862	SLU 36	6.925	Si
105	18.1	0.9	0	2,3,4	15160	8234	-32524	105633	57374	SLU 36	6.968	Si
136	18.1	0.9	0	2,3,4	22590	10157	-32323	158381	71210	SLU 36	7.011	Si
167	18.1	0.9	0	2,3,4	30018	12079	-32122	211774	85219	SLU 36	7.055	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	2,3,4,5	1090371	-18473	-12615	715365	-12120	SLV 5	0.656				No
449	18.1	2.3	0	2,3,4,5	941731	-14642	-12500	737697	-11470	SLV 5	0.783				No
478	18.1	2.3	0	2,3,4,5	790581	-10714	-12383	771464	-10455	SLV 5	0.976				No
770	18.1	1.1	0	5	-724213	31600	-11219	-768562	33535	SLV 5	1.061				Si
508	18.1	1.1	0	5	639578	-6749	-12267	826983	-8726	SLV 5	1.293				Si
741	18.1	1.1	0	5	-575737	27520	-11333	-834839	39904	SLV 5	1.45				Si
350	18.1	0.9	0	2,3,4	707197	-122759	-14585	1067298	-185267	SLV 7	1.509				Si
319	18.1	0.9	0	2,3,4	641642	-112324	-14738	1127550	-197385	SLV 7	1.757				Si
537	18.1	1.1	0	5	488883	-2738	-12150	935582	-5240	SLV 5	1.914				Si
289	18.1	0.9	0	2,3,4	575075	-101716	-14893	1207758	-213622	SLV 7	2.1				Si
712	18.1	1.1	0	5	323429	25173	-3643	710476	55297	SLV 11	2.197				Si
258	18.1	0.9	0	2,3,4	508616	-91110	-15047	1314137	-235406	SLV 7	2.584				Si
566	18.1	1.1	0	5	321499	127161	-11520	1001362	396063	SLV 9	3.115				Si
683	18.1	1.1	0	5	242081	32867	-3759	768024	104273	SLV 11	3.173				Si
228	18.1	0.9	0	2,3,4	442335	-80510	-15202	1450068	-263929	SLV 7	3.278				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	645683	13999	-10438	778854	16887	SLD 5	1.206	Si
449	18.1	2.3	0	2,3,4,5	561072	14838	-10323	813748	21519	SLD 5	1.45	Si
478	18.1	2.3	0	2,3,4,5	475023	15704	-10206	867197	28668	SLD 5	1.826	Si
770	18.1	1.1	0	5	-386604	25716	-9042	-902239	60016	SLD 5	2.334	Si
508	18.1	1.1	0	5	389039	16586	-10090	956703	40787	SLD 5	1.859	Si
741	18.1	1.1	0	5	-302066	24771	-9156	-1045285	85720	SLD 5	3.46	Si
537	18.1	1.1	0	5	291497	80606	-9746	1030287	284900	SLD 9	3.534	Si
350	18.1	0.9	0	2,3,4	345315	-44120	-18751	1844323	-235646	SLD 7	5.341	Si
566	18.1	1.1	0	5	209965	74044	-9629	1129254	398227	SLD 9	5.378	Si
712	18.1	1.1	0	5	-216155	23677	-9273	-1270951	139217	SLD 5	5.88	Si
319	18.1	0.9	0	2,3,4	313145	-40323	-18903	1854402	-238785	SLD 7	5.922	Si
289	18.1	0.9	0	2,3,4	280473	-36462	-19058	1832176	-238187	SLD 7	6.532	Si
-22	0	0.9	0	1	-60628	450	-27832	-414937	3082	SLD 5	6.844	Si
-17	1.47	0.9	0	1	-55829	1102	-27805	-388367	7669	SLD 5	6.956	Si
258	18.1	0.9	0	2,3,4	247848	-32603	-19213	1777148	-233771	SLD 7	7.17	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.58	209	0.605	0.217	0.597	SLV 5	No
449	0.738	353	0.75	0.272	0.749	SLV 5	No
478	0.971	662	0.971	0.354	0.971	SLV 5	No
770	1.063	825	1.062	0.386	1.06	SLV 5	Si
508	1.344	1515	1.363	0.482	1.325	SLV 5	Si
741	1.426	1775	1.454	0.51	1.401	SLV 5	Si
350	1.299	1384	1.313	0.467	1.283	SLV 7	Si
319	1.418	1748	1.445	0.507	1.394	SLV 7	Si
537	2.028	2474	1.666	0.573	1.575	SLV 5	Si
289	1.563	2268	1.608	0.556	1.528	SLV 7	Si
712	1.746	2474	1.666	0.573	1.575	SLV 11	Si
258	1.734	2474	1.666	0.573	1.575	SLV 7	Si
566	2.957	2474	1.666	0.573	1.575	SLV 15	Si
683	2.277	2474	1.666	0.573	1.575	SLV 11	Si
228	1.945	2474	1.666	0.573	1.575	SLV 7	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	1.313	143	1.303	0.183	1.299	SLD 5	Si
449	1.668	239	1.608	0.231	1.635	SLD 5	Si
478	2.195	437	2.06	0.299	2.117	SLD 5	Si
770	1.803	537	2.241	0.325	2.306	SLD 5	Si
508	3.039	949	2.831	0.408	2.89	SLD 5	Si
741	3.227	1113	3.022	0.432	3.061	SLD 5	Si
537	4.589	2474	4.193	0.603	4.27	SLD 5	Si
350	2.934	871	2.733	0.394	2.793	SLD 7	Si
566	6.694	2474	4.193	0.603	4.276	SLD 15	Si
712	3.947	1904	3.766	0.523	3.703	SLD 11	Si
319	3.203	1091	2.997	0.429	3.04	SLD 7	Si
289	3.531	1414	3.334	0.47	3.334	SLD 7	Si
-22	3.989	1958	3.81	0.528	3.74	SLD 11	Si
-17	4.575	2474	4.193	0.601	4.257	SLD 11	Si
258	3.918	1866	3.735	0.519	3.677	SLD 7	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-74	-8930	SLU 20	6325	3562	26527	2.5	84.98	-1925	-10028	SLU 30	6468	3562	26675	2.5	3.36	Si
741	2X/2Y ø6/24.8	-74	-9079	SLU 20	6345	3562	26547	2.5	85.24	-1925	-10177	SLU 30	6488	3562	26695	2.5	3.37	Si
712	2X/2Y ø6/24.8	-74	-9230	SLU 20	6364	3562	26568	2.5	85.5	-1925	-10328	SLU 30	6507	3562	26715	2.5	3.38	Si
683	2X/2Y ø6/24.8	-74	-9382	SLU 20	6384	3562	26588	2.5	85.77	-1925	-10480	SLU 30	6527	3562	26736	2.5	3.39	Si
653	2X/2Y ø6/24.8	-74	-9534	SLU 20	6404	3562	26608	2.5	86.03	-1925	-10632	SLU 30	6547	3562	26756	2.5	3.4	Si
624	2X/2Y ø6/24.8	-74	-9685	SLU 20	6424	3562	26629	2.5	86.3	-1925	-10783	SLU 30	6567	3562	26777	2.5	3.41	Si
595	2X/2Y ø6/24.8	-74	-9837	SLU 20	6443	3562	26649	2.5	86.56	-1925	-10935	SLU 30	6586	3562	26797	2.5	3.42	Si
566	2X/2Y ø6/24.8	-74	-9989	SLU 20	6463	3562	26670	2.5	86.83	-1925	-11087	SLU 30	6606	3562	26817	2.5	3.43	Si
537	2X/2Y ø6/24.8	-74	-10140	SLU 20	6483	3562	26690	2.5	87.1	-1925	-11238	SLU 30	6626	3562	26838	2.5	3.44	Si
508	2X/2Y ø6/24.8	-74	-10292	SLU 20	6503	3562	26710	2.5	87.36	-1925	-11390	SLU 30	6646	3562	26858	2.5	3.45	Si
478	2X/2Y ø6/24.8	-74	-10444	SLU 20	6522	3562	26731	2.5	87.63	-1925	-11542	SLU 30	6665	3562	26879	2.5	3.46	Si
449	2X/2Y ø6/24.8	-74	-10595	SLU 20	6542	3562	26751	2.5	87.89	-1925	-11693	SLU 30	6685	3562	26899	2.5	3.47	Si
420	2X/2Y ø6/24.8	-74	-10744	SLU 20	6562	3562	26771	2.5	88.15	-1925	-11842	SLU 30	6704	3562	26919	2.5	3.48	Si
350	2X/2Y ø6/23.9	69	-30593	SLU 29	10416	4223	36784	2.5	150.6	324	-27057	SLU 26	9948	4223	36300	2.5	30.73	Si
319	2X/2Y ø6/23.9	69	-30791	SLU 29	10442	4223	36811	2.5	150.98	324	-27255	SLU 26	9975	4223	36327	2.5	30.8	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-1322	-7615	SLV 13	6154	3562	26350	2.5	4.66	-6234	-12234	SLV 5	6755	3562	26972	2.5	1.08	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
741	2X/2Y ø6/24.8	-1322	-7730	SLV 13	6169	3562	26366	2.5	4.67	-6234	-12348	SLV 5	6770	3562	26987	2.5	1.09	Si
712	2X/2Y ø6/24.8	-1322	-7847	SLV 13	6184	3562	26381	2.5	4.68	-6234	-12465	SLV 5	6785	3562	27003	2.5	1.09	Si
683	2X/2Y ø6/24.8	-1322	-7963	SLV 13	6200	3562	26397	2.5	4.69	-6234	-12582	SLV 5	6801	3562	27019	2.5	1.09	Si
653	2X/2Y ø6/24.8	-1322	-8080	SLV 13	6215	3562	26413	2.5	4.7	-6234	-12698	SLV 5	6816	3562	27034	2.5	1.09	Si
624	2X/2Y ø6/24.8	-1322	-8197	SLV 13	6230	3562	26428	2.5	4.71	-6234	-12815	SLV 5	6831	3562	27050	2.5	1.1	Si
595	2X/2Y ø6/24.8	-1322	-8313	SLV 13	6245	3562	26444	2.5	4.72	-6234	-12932	SLV 5	6846	3562	27066	2.5	1.1	Si
566	2X/2Y ø6/24.8	-1322	-8430	SLV 13	6260	3562	26460	2.5	4.74	-6234	-13048	SLV 5	6861	3562	27081	2.5	1.1	Si
537	2X/2Y ø6/24.8	-1322	-8547	SLV 13	6276	3562	26475	2.5	4.75	-6234	-13165	SLV 5	6876	3562	27097	2.5	1.1	Si
508	2X/2Y ø6/24.8	-1322	-8663	SLV 13	6291	3562	26491	2.5	4.76	-6234	-13282	SLV 5	6892	3562	27113	2.5	1.11	Si
478	2X/2Y ø6/24.8	-1322	-8780	SLV 13	6306	3562	26507	2.5	4.77	-6234	-13398	SLV 5	6907	3562	27129	2.5	1.11	Si
449	2X/2Y ø6/24.8	-1322	-8897	SLV 13	6321	3562	26523	2.5	4.78	-6234	-13515	SLV 5	6922	3562	27144	2.5	1.11	Si
420	2X/2Y ø6/24.8	-1322	-9011	SLV 13	6336	3562	26538	2.5	4.79	-6234	-13630	SLV 5	6937	3562	27160	2.5	1.11	Si
350	2X/2Y ø6/23.9	1180	-16187	SLV 15	8510	4223	34812	2.5	7.21	2711	-12643	SLV 7	8041	4223	34327	2.5	2.97	Si
319	2X/2Y ø6/23.9	1180	-16339	SLV 15	8530	4223	34833	2.5	7.23	2711	-12795	SLV 7	8061	4223	34348	2.5	2.97	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-499	-7420	SLD 13	6129	3562	26324	2.5	12.29	-2954	-9042	SLD 5	6340	3562	26542	2.5	2.15	Si
741	2X/2Y ø6/24.8	-499	-7535	SLD 13	6144	3562	26339	2.5	12.32	-2954	-9156	SLD 5	6355	3562	26558	2.5	2.15	Si
712	2X/2Y ø6/24.8	-499	-7652	SLD 13	6159	3562	26355	2.5	12.35	-2954	-9273	SLD 5	6370	3562	26573	2.5	2.16	Si
683	2X/2Y ø6/24.8	-499	-7768	SLD 13	6174	3562	26371	2.5	12.38	-2954	-9390	SLD 5	6385	3562	26589	2.5	2.16	Si
653	2X/2Y ø6/24.8	-499	-7885	SLD 13	6189	3562	26386	2.5	11.81	-2954	-9506	SLD 5	6400	3562	26605	2.5	2.17	Si
624	2X/2Y ø6/24.8	-499	-8002	SLD 13	6205	3562	26402	2.5	11.84	-2954	-9623	SLD 5	6416	3562	26620	2.5	2.17	Si
595	2X/2Y ø6/24.8	-499	-8118	SLD 13	6220	3562	26418	2.5	11.87	-2954	-9740	SLD 5	6431	3562	26636	2.5	2.18	Si
566	2X/2Y ø6/24.8	-499	-8235	SLD 13	6235	3562	26434	2.5	12.5	-2954	-9856	SLD 5	6446	3562	26652	2.5	2.18	Si
537	2X/2Y ø6/24.8	-499	-8352	SLD 13	6250	3562	26449	2.5	12.53	-2954	-9973	SLD 5	6461	3562	26668	2.5	2.19	Si
508	2X/2Y ø6/24.8	-499	-8468	SLD 13	6265	3562	26465	2.5	12.56	-2954	-10090	SLD 5	6476	3562	26683	2.5	2.19	Si
478	2X/2Y ø6/24.8	-499	-8585	SLD 13	6281	3562	26481	2.5	12.59	-2954	-10206	SLD 5	6492	3562	26699	2.5	2.2	Si
449	2X/2Y ø6/24.8	-499	-8702	SLD 13	6296	3562	26496	2.5	12.62	-2954	-10323	SLD 5	6507	3562	26715	2.5	2.2	Si
420	2X/2Y ø6/24.8	-499	-8816	SLD 13	6311	3562	26512	2.5	12.65	-2954	-10438	SLD 5	6522	3562	26730	2.5	2.21	Si
350	2X/2Y ø6/23.9	476	-22156	SLD 13	9300	4223	35629	2.5	19.52	1074	-18751	SLD 7	8849	4223	35163	2.5	8.24	Si
319	2X/2Y ø6/23.9	476	-22308	SLD 13	9320	4223	35650	2.5	19.56	1074	-18903	SLD 7	8869	4223	35184	2.5	8.25	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	1.117	932	1.117	0.405	1.112	SLV 5	Si
741	1.121	940	1.121	0.406	1.116	SLV 5	Si
712	1.125	948	1.125	0.408	1.12	SLV 5	Si
683	1.129	956	1.128	0.409	1.124	SLV 5	Si
653	1.133	964	1.132	0.41	1.127	SLV 5	Si
624	1.137	973	1.137	0.412	1.131	SLV 5	Si
595	1.139	977	1.139	0.412	1.133	SLV 5	Si
566	1.141	981	1.14	0.413	1.135	SLV 5	Si
537	1.145	990	1.145	0.414	1.139	SLV 5	Si
508	1.148	999	1.149	0.416	1.142	SLV 5	Si
478	1.152	1008	1.153	0.417	1.146	SLV 5	Si
449	1.156	1017	1.157	0.418	1.15	SLV 5	Si
420	1.16	1026	1.162	0.42	1.153	SLV 5	Si
350	1.847	2474	1.666	0.573	1.575	SLV 7	Si
319	1.847	2474	1.666	0.573	1.575	SLV 7	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	3.186	1076	2.98	0.427	3.024	SLD 5	Si
741	3.197	1086	2.992	0.428	3.035	SLD 5	Si
712	3.203	1091	2.997	0.429	3.04	SLD 5	Si
683	3.215	1102	3.01	0.431	3.051	SLD 5	Si
653	3.227	1113	3.022	0.432	3.061	SLD 5	Si
624	3.238	1124	3.034	0.434	3.072	SLD 5	Si
595	3.25	1135	3.046	0.435	3.083	SLD 5	Si
566	3.256	1140	3.052	0.436	3.088	SLD 5	Si
537	3.262	1146	3.058	0.437	3.094	SLD 5	Si
508	3.273	1157	3.07	0.438	3.104	SLD 5	Si
478	3.285	1168	3.082	0.44	3.115	SLD 5	Si
449	3.297	1179	3.094	0.441	3.124	SLD 5	Si
420	3.309	1190	3.106	0.442	3.135	SLD 5	Si
350	6.975	2474	4.193	0.603	4.276	SLD 7	Si
319	6.975	2474	4.193	0.603	4.276	SLD 7	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 45

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-691419	-5111	-37195	-1903973	-14073	SLU 30	2.754	Si
20	18.1	1.8	0	1,2,3,4	-605780	-3355	-37003	-1922007	-10645	SLU 30	3.173	Si
50	18.1	1.8	0	1,2,3,4	-516394	-1523	-36803	-1874412	-5526	SLU 30	3.63	Si
80	18.1	0.9	0	2,3,4	-428150	287	-36606	-1747063	1170	SLU 30	4.08	Si
350	18.1	0.9	0	2,3,4	364483	16539	-34832	1651820	74953	SLU 30	4.532	Si
110	18.1	0.9	0	2,3,4	-339907	2096	-36408	-1563699	9641	SLU 30	4.6	Si
320	18.1	0.9	0	2,3,4	277728	14760	-35026	1421731	75558	SLU 30	5.119	Si
140	18.1	0.9	0	2,3,4	-251667	3905	-36211	-1313477	20380	SLU 30	5.219	Si
420	18.1	2.3	0	2,3,4,5	-245867	44035	-11714	-1285358	230208	SLU 20	5.228	Si
290	18.1	0.9	0	2,3,4	189501	12951	-35224	1100714	75224	SLU 30	5.808	Si
170	18.1	0.9	0	2,3,4	-163429	5714	-36013	-970977	33949	SLU 30	5.941	Si
200	18.1	0.9	0	2,3,4	-72424	7148	-36084	-454845	44892	SLU 36	6.28	Si
230	18.1	0.9	0	2,3,4	11278	8906	-35886	71217	56243	SLU 36	6.315	Si
449	18.1	2.3	0	2,3,4,5	-209333	40932	-11565	-1327611	259597	SLU 20	6.342	Si
260	18.1	0.9	0	2,3,4	94797	10661	-35689	601951	67696	SLU 36	6.35	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	-3024227	-11023	-12555	-742717	-2707	SLV 11	0.246				No
20	18.1	1.8	0	1,2,3,4	-2613266	-4531	-12407	-751197	-1302	SLV 11	0.287				No
50	18.1	1.8	0	1,2,3,4	-2184322	4959	-12254	-763745	1734	SLV 11	0.35				No
350	18.1	0.9	0	2,3,4	2043536	69804	-10737	758001	25892	SLV 11	0.371				No
80	18.1	0.9	0	2,3,4	-1760849	9419	-12102	-782865	4187	SLV 11	0.445				No
320	18.1	0.9	0	2,3,4	1627137	63152	-10887	779456	30252	SLV 11	0.479				No
110	18.1	0.9	0	2,3,4	-1337388	15680	-11950	-816203	9569	SLV 11	0.61				No
290	18.1	0.9	0	2,3,4	1203689	56387	-11039	819482	38389	SLV 11	0.681				No
420	18.1	2.3	0	2,3,4,5	-858197	91550	-5458	-653082	69669	SLV 11	0.761				No
770	18.1	1.1	0	5	750116	-4698	-4062	644968	-4039	SLV 11	0.86				No
449	18.1	2.3	0	2,3,4,5	-726216	83920	-5343	-663738	76700	SLV 11	0.914				No
140	18.1	0.9	0	2,3,4	-913953	22511	-11798	-889081	21898	SLV 11	0.973				No
741	18.1	1.1	0	5	618154	3478	-4176	659299	3709	SLV 11	1.067				Si
478	18.1	2.3	0	2,3,4,5	-591964	76134	-5226	-680139	87474	SLV 11	1.149				Si
260	18.1	0.9	0	2,3,4	780268	49620	-11190	917620	58355	SLV 11	1.176				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-1618687	-6962	-20600	-885969	-3811	SLD 11	0.547	No
20	18.1	1.8	0	1,2,3,4	-1401950	-3402	-20452	-924763	-2244	SLD 11	0.66	No
50	18.1	1.8	0	1,2,3,4	-1175729	1494	-20298	-986293	1253	SLD 11	0.839	No
350	18.1	0.9	0	2,3,4	1053935	37231	-18782	998427	35270	SLD 11	0.947	No
80	18.1	0.9	0	2,3,4	-952395	4178	-20146	-1086904	4768	SLD 11	1.141	Si
320	18.1	0.9	0	2,3,4	834338	33595	-18931	1130581	45523	SLD 11	1.355	Si
420	18.1	2.3	0	2,3,4,5	-480513	59502	-7618	-773024	95723	SLD 11	1.609	Si
110	18.1	0.9	0	2,3,4	-729066	7655	-19995	-1296720	13616	SLD 11	1.779	Si
770	18.1	1.1	0	5	412018	991	-6222	763397	1836	SLD 11	1.853	Si
449	18.1	2.3	0	2,3,4,5	-407254	54817	-7504	-812462	109359	SLD 11	1.995	Si
290	18.1	0.9	0	2,3,4	611021	29897	-19083	1420568	69507	SLD 11	2.325	Si
741	18.1	1.1	0	5	338766	5915	-6337	818938	14300	SLD 11	1.817	Si
478	18.1	2.3	0	2,3,4,5	-332730	50041	-7387	-876592	131834	SLD 11	2.635	Si
140	18.1	0.9	0	2,3,4	-505749	11383	-19843	-1675845	37720	SLD 11	3.314	Si
712	18.1	1.1	0	5	264257	10993	-6454	924353	38453	SLD 11	3.498	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.235	34	0.287	0.088	0.243	SLV 11	No
20	0.294	54	0.347	0.113	0.31	SLV 11	No
50	0.377	86	0.42	0.143	0.393	SLV 11	No
350	0.423	109	0.463	0.161	0.442	SLV 11	No
80	0.493	148	0.525	0.186	0.51	SLV 11	No
320	0.553	188	0.579	0.207	0.57	SLV 11	No
110	0.673	288	0.69	0.25	0.686	SLV 11	No
290	0.755	370	0.765	0.278	0.764	SLV 11	No
420	0.746	361	0.757	0.275	0.756	SLV 11	No
770	0.854	485	0.854	0.312	0.858	SLV 11	No
449	0.912	570	0.913	0.333	0.915	SLV 11	No
140	0.98	678	0.98	0.357	0.981	SLV 11	No
741	1.066	832	1.066	0.387	1.064	SLV 11	Si
478	1.146	995	1.147	0.415	1.141	SLV 11	Si
260	1.107	913	1.107	0.401	1.103	SLV 11	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.532	24	0.627	0.074	0.524	SLD 11	No
20	0.665	37	0.748	0.093	0.659	SLD 11	No
50	0.852	60	0.913	0.12	0.849	SLD 11	No
350	0.957	76	1.005	0.135	0.955	SLD 11	Si
80	1.115	103	1.139	0.157	1.11	SLD 11	Si
320	1.248	130	1.253	0.175	1.24	SLD 11	Si
420	1.691	247	1.63	0.234	1.658	SLD 11	Si
110	1.52	195	1.48	0.211	1.496	SLD 11	Si
770	1.934	331	1.838	0.265	1.878	SLD 11	Si
449	2.066	382	1.949	0.282	2	SLD 11	Si
290	1.705	252	1.644	0.236	1.67	SLD 11	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
741	1.812	542	2.25	0.327	2.314	SLD 11	Si
478	2.6	649	1.822	0.351	1.886	SLD 11	Si
140	2.216	446	2.077	0.301	2.136	SLD 11	Si
712	3.127	1022	2.918	0.419	2.97	SLD 11	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	60	-34832	SLU 30	10977	4223	37364	2.5	182.03	2894	-32650	SLU 20	10688	4223	37066	2.5	3.69	Si
320	2X/2Y ø6/23.9	60	-35026	SLU 30	11003	4223	37391	2.5	181.85	2894	-32844	SLU 20	10714	4223	37092	2.5	3.7	Si
290	2X/2Y ø6/23.9	60	-35224	SLU 30	11029	4223	37418	2.5	182.89	2894	-33042	SLU 20	10740	4223	37119	2.5	3.71	Si
260	2X/2Y ø6/23.9	60	-35421	SLU 30	11055	4223	37445	2.5	183.32	2894	-33239	SLU 20	10766	4223	37146	2.5	3.72	Si
230	2X/2Y ø6/23.9	60	-35619	SLU 30	11081	4223	37472	2.5	183.75	2894	-33437	SLU 20	10793	4223	37173	2.5	3.73	Si
200	2X/2Y ø6/23.9	60	-35816	SLU 30	11107	4223	37499	2.5	184.19	2894	-33635	SLU 20	10819	4223	37200	2.5	3.74	Si
170	2X/2Y ø6/23.9	60	-36013	SLU 30	11134	4223	37526	2.5	184.62	2894	-33832	SLU 20	10845	4223	37227	2.5	3.75	Si
140	2X/2Y ø6/23.9	60	-36211	SLU 30	11160	4223	37553	2.5	185.05	2895	-34029	SLU 20	10871	4223	37254	2.5	3.76	Si
110	2X/2Y ø6/23.9	60	-36408	SLU 30	11186	4223	37580	2.5	185.49	2895	-34226	SLU 20	10897	4223	37281	2.5	3.76	Si
80	2X/2Y ø6/23.9	60	-36606	SLU 30	11212	4223	37607	2.5	185.92	2895	-34424	SLU 20	10923	4223	37308	2.5	3.77	Si
50	2X/2Y ø6/23.9	60	-36803	SLU 30	11238	4223	37634	2.5	186.35	2895	-34621	SLU 20	10949	4223	37335	2.5	3.78	Si
20	2X/2Y ø6/23.9	60	-37003	SLU 30	11265	4223	37662	2.5	186.79	2895	-34821	SLU 20	10976	4223	37363	2.5	3.79	Si
-10	2X/2Y ø6/23.9	60	-37195	SLU 30	11290	4223	37688	2.5	187.21	2895	-35013	SLU 20	11001	4223	37389	2.5	3.8	Si
770	2X/2Y ø6/24.8	-113	-10678	SLU 29	6553	3562	26762	2.5	58.19	1274	-9900	SLU 20	6452	3562	26658	2.5	5.06	Si
741	2X/2Y ø6/24.8	-113	-10827	SLU 29	6572	3562	26782	2.5	58.36	1274	-10049	SLU 20	6471	3562	26678	2.5	5.08	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-1422	-16599	SLV 3	8564	4223	34868	2.5	6.02	17227	-6986	SLV 11	7292	4223	33552	2.5	0.42	No
320	2X/2Y ø6/23.9	-1422	-16749	SLV 3	8584	4223	34889	2.5	6.04	17227	-7135	SLV 11	7312	4223	33573	2.5	0.42	No
290	2X/2Y ø6/23.9	-1422	-16900	SLV 3	8604	4223	34910	2.5	6.05	17227	-7287	SLV 11	7332	4223	33594	2.5	0.43	No
260	2X/2Y ø6/23.9	-1422	-17052	SLV 3	8624	4223	34930	2.5	6.07	17227	-7439	SLV 11	7352	4223	33614	2.5	0.43	No
230	2X/2Y ø6/23.9	-1422	-17204	SLV 3	8644	4223	34951	2.5	6.08	17227	-7591	SLV 11	7372	4223	33635	2.5	0.43	No
200	2X/2Y ø6/23.9	-1422	-17356	SLV 3	8665	4223	34972	2.5	6.09	17227	-7743	SLV 11	7392	4223	33656	2.5	0.43	No
170	2X/2Y ø6/23.9	-1422	-17508	SLV 3	8685	4223	34993	2.5	6.11	17227	-7895	SLV 11	7413	4223	33677	2.5	0.43	No
140	2X/2Y ø6/23.9	-1422	-17660	SLV 3	8705	4223	35013	2.5	6.12	17227	-8047	SLV 11	7433	4223	33697	2.5	0.43	No
110	2X/2Y ø6/23.9	-1422	-17812	SLV 3	8725	4223	35034	2.5	6.14	17227	-8198	SLV 11	7453	4223	33718	2.5	0.43	No
80	2X/2Y ø6/23.9	-1422	-17964	SLV 3	8745	4223	35055	2.5	6.15	17227	-8350	SLV 11	7473	4223	33739	2.5	0.43	No
50	2X/2Y ø6/23.9	-1422	-18115	SLV 3	8765	4223	35076	2.5	6.17	17228	-8502	SLV 11	7493	4223	33760	2.5	0.43	No
20	2X/2Y ø6/23.9	-1422	-18269	SLV 3	8785	4223	35097	2.5	6.18	17228	-8656	SLV 11	7513	4223	33781	2.5	0.44	No
-10	2X/2Y ø6/23.9	-1422	-18417	SLV 3	8805	4223	35117	2.5	6.19	17228	-8803	SLV 11	7533	4223	33801	2.5	0.44	No
770	2X/2Y ø6/24.8	-1365	-8134	SLV 13	6222	3562	26420	2.5	4.56	5561	-3057	SLV 11	5561	3562	25736	2.5	1	Si
741	2X/2Y ø6/24.8	-1365	-8249	SLV 13	6237	3562	26435	2.5	4.57	5561	-3171	SLV 11	5576	3562	25752	2.5	1	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	556	-28174	SLD 13	10096	4223	36453	2.5	18.16	7444	-18782	SLD 11	8853	4223	35167	2.5	1.19	Si
320	2X/2Y ø6/23.9	556	-28323	SLD 13	10116	4223	36473	2.5	18.19	7444	-18931	SLD 11	8873	4223	35188	2.5	1.19	Si
290	2X/2Y ø6/23.9	556	-28475	SLD 13	10136	4223	36494	2.5	18.23	7444	-19083	SLD 11	8893	4223	35208	2.5	1.19	Si
260	2X/2Y ø6/23.9	556	-28627	SLD 13	10156	4223	36515	2.5	18.26	7444	-19235	SLD 11	8913	4223	35229	2.5	1.2	Si
230	2X/2Y ø6/23.9	556	-28779	SLD 13	10176	4223	36536	2.5	18.3	7444	-19387	SLD 11	8933	4223	35250	2.5	1.2	Si
200	2X/2Y ø6/23.9	556	-28931	SLD 13	10196	4223	36557	2.5	18.34	7444	-19539	SLD 11	8953	4223	35271	2.5	1.2	Si
170	2X/2Y ø6/23.9	556	-29083	SLD 13	10216	4223	36577	2.5	18.37	7445	-19691	SLD 11	8974	4223	35292	2.5	1.21	Si
140	2X/2Y ø6/23.9	556	-29235	SLD 13	10236	4223	36598	2.5	18.41	7445	-19843	SLD 11	8994	4223	35312	2.5	1.21	Si
110	2X/2Y ø6/23.9	556	-29387	SLD 13	10257	4223	36619	2.5	18.44	7445	-19995	SLD 11	9014	4223	35333	2.5	1.21	Si
80	2X/2Y ø6/23.9	556	-29538	SLD 13	10277	4223	36640	2.5	18.48	7445	-20146	SLD 11	9034	4223	35354	2.5	1.21	Si
50	2X/2Y ø6/23.9	556	-29690	SLD 13	10297	4223	36660	2.5	18.52	7445	-20298	SLD 11	9054	4223	35375	2.5	1.22	Si
20	2X/2Y ø6/23.9	556	-29844	SLD 13	10317	4223	36681	2.5	18.55	7445	-20452	SLD 11	9074	4223	35396	2.5	1.22	Si
-10	2X/2Y ø6/23.9	556	-29992	SLD 13	10337	4223	36702	2.5	18.59	7445	-20600	SLD 11	9094	4223	35416	2.5	1.22	Si
770	2X/2Y ø6/24.8	-532	-7998	SLD 13	6204	3562	26402	2.5	11.65	2557	-6222	SLD 11	5973	3562	26163	2.5	2.34	Si
741	2X/2Y ø6/24.8	-532	-8113	SLD 13	6219	3562	26417	2.5	11.68	2557	-6337	SLD 11	5988	3562	26178	2.5	2.34	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.432	113	0.47	0.163	0.449	SLV 11	No
320	0.433	113	0.47	0.163	0.449	SLV 11	No
290	0.434	114	0.472	0.164	0.451	SLV 11	No
260	0.436	115	0.474	0.165	0.453	SLV 11	No
230	0.437	116	0.475	0.166	0.455	SLV 11	No
200	0.438	116	0.475	0.166	0.455	SLV 11	No
170	0.438	117	0.477	0.166	0.457	SLV 11	No
140	0.439	117	0.477	0.166	0.457	SLV 11	No
110	0.441	118	0.479	0.167	0.459	SLV 11	No
80	0.442	119	0.48	0.168	0.46	SLV 11	No
50	0.443	119	0.48	0.168	0.46	SLV 11	No
20	0.444	120	0.482	0.168	0.462	SLV 11	No
-10	0.445	120	0.482	0.168	0.462	SLV 11	No
770	1.001	713	1.001	0.364	1.001	SLV 11	Si
741	1.004	718	1.003	0.365	1.003	SLV 11	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.23	125	1.233	0.172	1.219	SLD 11	Si
320	1.232	126	1.237	0.173	1.225	SLD 11	Si
290	1.236	126	1.237	0.173	1.225	SLD 11	Si
260	1.238	128	1.245	0.174	1.23	SLD 11	Si
230	1.242	128	1.245	0.174	1.23	SLD 11	Si
200	1.246	129	1.249	0.174	1.235	SLD 11	Si
170	1.25	130	1.253	0.175	1.24	SLD 11	Si
140	1.252	130	1.253	0.175	1.24	SLD 11	Si
110	1.256	131	1.257	0.176	1.245	SLD 11	Si
80	1.258	131	1.257	0.176	1.245	SLD 11	Si
50	1.262	132	1.261	0.176	1.25	SLD 11	Si
20	1.266	133	1.265	0.177	1.255	SLD 11	Si
-10	1.27	134	1.269	0.178	1.26	SLD 11	Si
770	2.852	812	2.655	0.383	2.718	SLD 11	Si
741	2.863	820	2.666	0.385	2.728	SLD 11	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 46

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	543930	20895	-14223	961754	36946	SLU 30	1.768	Si
449	18.1	2.3	0	2,3,4,5	469213	21059	-13558	1021626	45852	SLU 29	2.177	Si
478	18.1	2.3	0	2,3,4,5	401947	21991	-13406	1118519	61195	SLU 29	2.783	Si
508	18.1	1.1	0	5	334682	22923	-13255	1236857	84716	SLU 29	3.696	Si
770	18.1	1.1	0	5	-306361	37091	-13584	-1287019	155820	SLU 36	4.201	Si
537	18.1	1.1	0	5	267416	23856	-13103	1356742	121032	SLU 29	5.074	Si
-22	0	0.9	0	1	-13668	22	-35213	-73936	119	SLU 36	5.409	Si
-17	1.47	0.9	0	1	-12287	-158	-35177	-67559	-870	SLU 36	5.498	Si
741	18.1	1.1	0	5	-238547	35917	-13733	-1367233	205858	SLU 36	5.732	Si
14	17.38	1.8	0	1,2,3,4	-4734	-1144	-34979	-30479	-7367	SLU 36	6.438	Si
44	18.1	1.8	0	1,2,3,4	2942	-2147	-34778	19173	-13988	SLU 36	6.516	Si
75	18.1	0.9	0	2,3,4	10704	-3160	-34574	70162	-20715	SLU 36	6.555	Si
105	18.1	0.9	0	2,3,4	18291	-4151	-34375	120580	-27368	SLU 36	6.592	Si
136	18.1	0.9	0	2,3,4	25962	-5154	-34174	172163	-34177	SLU 36	6.631	Si
167	18.1	0.9	0	2,3,4	33632	-6156	-33973	224346	-41066	SLU 36	6.671	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	2,3,4,5	1172829	-25125	-15640	738440	-15819	SLV 5	0.63				No
449	18.1	2.3	0	2,3,4,5	1010608	-20535	-15525	766953	-15584	SLV 5	0.759				No
478	18.1	2.3	0	2,3,4,5	845673	-15845	-15408	810956	-15195	SLV 5	0.959				No
770	18.1	1.1	0	5	-808955	33379	-14244	-800820	33044	SLV 5	0.99				No
508	18.1	1.1	0	5	680940	-11132	-15292	886089	-14486	SLV 5	1.301				Si
741	18.1	1.1	0	5	-646940	28204	-14358	-880102	38369	SLV 5	1.36				Si
350	18.1	0.9	0	2,3,4	611959	34289	-12531	1066667	59767	SLV 11	1.743				Si
537	18.1	1.1	0	5	516625	-6390	-15175	1036164	-12817	SLV 5	2.006				Si
319	18.1	0.9	0	2,3,4	554475	31234	-12684	1135308	63953	SLV 11	2.048				Si
712	18.1	1.1	0	5	-482389	23154	-14475	-1044832	50151	SLV 5	2.166				Si
289	18.1	0.9	0	2,3,4	496122	28127	-12838	1233149	69912	SLV 11	1.886				Si
258	18.1	0.9	0	2,3,4	437889	25018	-12993	1365383	78010	SLV 11	3.118				Si
566	18.1	1.1	0	5	324703	105157	-14112	1130469	366111	SLV 9	3.482				Si
683	18.1	1.1	0	5	213100	23549	-4167	831319	91868	SLV 11	3.901				Si
228	18.1	0.9	0	2,3,4	379852	21908	-13148	1529952	88242	SLV 11	4.028				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	710347	-3000	-12733	806401	-3405	SLD 5	1.135	Si
449	18.1	2.3	0	2,3,4,5	614426	-585	-12618	850808	-810	SLD 5	1.385	Si
478	18.1	2.3	0	2,3,4,5	516884	1880	-12502	921503	3352	SLD 5	1.783	Si
770	18.1	1.1	0	5	-460458	27551	-11337	-927468	55495	SLD 5	2.014	Si
508	18.1	1.1	0	5	419431	4356	-12385	1039855	10798	SLD 5	1.879	Si
741	18.1	1.1	0	5	-364629	24881	-11452	-1071509	73116	SLD 5	2.939	Si
537	18.1	1.1	0	5	322163	6844	-12268	1222446	25969	SLD 5	3.794	Si
712	18.1	1.1	0	5	-267257	22257	-11568	-1289788	107412	SLD 5	4.826	Si
566	18.1	1.1	0	5	212680	56518	-11733	1256853	334001	SLD 9	5.91	Si
350	18.1	0.9	0	2,3,4	305080	10078	-18572	1915196	63265	SLD 11	6.278	Si
-22	0	0.9	0	1	-51900	4040	-30040	-329100	25617	SLD 5	6.341	Si
-17	1.47	0.9	0	1	-47728	3191	-30012	-307595	20567	SLD 5	6.445	Si
319	18.1	0.9	0	2,3,4	276400	9140	-18724	1891769	62559	SLD 11	6.844	Si
289	18.1	0.9	0	2,3,4	-147695	-23325	-28466	-1068065	-168673	SLD 5	7.232	Si
258	18.1	0.9	0	2,3,4	-130462	-20873	-28621	-970230	-155229	SLD 5	7.437	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.535	176	0.564	0.201	0.553	SLV 5	No
449	0.703	317	0.718	0.26	0.715	SLV 5	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
478	0.951	630	0.951	0.347	0.952	SLV 5	No
770	0.988	691	0.988	0.36	0.988	SLV 5	No
508	1.352	1538	1.371	0.485	1.332	SLV 5	Si
741	1.367	1586	1.389	0.49	1.346	SLV 5	Si
350	1.398	1685	1.424	0.501	1.375	SLV 11	Si
537	2.102	2474	1.666	0.573	1.575	SLV 5	Si
319	1.516	2090	1.555	0.54	1.484	SLV 11	Si
712	1.785	2474	1.666	0.573	1.575	SLV 11	Si
289	1.654	2474	1.666	0.573	1.575	SLV 11	Si
258	1.818	2474	1.666	0.573	1.575	SLV 11	Si
566	2.802	2474	1.666	0.573	1.575	SLV 11	Si
683	2.28	2474	1.666	0.573	1.575	SLV 11	Si
228	2.014	2474	1.666	0.573	1.575	SLV 11	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	1.213	122	1.221	0.17	1.204	SLD 5	Si
449	1.59	215	1.54	0.22	1.561	SLD 5	Si
478	2.151	417	2.021	0.293	2.077	SLD 5	Si
770	2.236	455	2.094	0.304	2.154	SLD 5	Si
508	3.057	963	2.848	0.41	2.906	SLD 5	Si
741	3.092	992	2.883	0.415	2.938	SLD 5	Si
537	4.76	2474	4.193	0.603	4.276	SLD 5	Si
712	4.039	2024	3.862	0.534	3.784	SLD 11	Si
566	6.339	2474	4.193	0.603	4.276	SLD 11	Si
350	3.162	1054	2.955	0.424	3.003	SLD 11	Si
-22	3.835	1762	3.648	0.509	3.603	SLD 11	Si
-17	4.353	2474	4.193	0.573	4.062	SLD 11	Si
319	3.426	1304	3.225	0.457	3.239	SLD 11	Si
289	3.739	1647	3.549	0.497	3.519	SLD 11	Si
258	4.11	2121	3.936	0.543	3.848	SLD 11	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	42	-13722	SLU 35	6949	3562	27172	2.5	165.98	-2379	-12408	SLU 30	6778	3562	26995	2.5	2.85	Si
741	2X/2Y ø6/24.8	42	-13871	SLU 35	6968	3562	27192	2.5	166.44	-2379	-12557	SLU 30	6797	3562	27015	2.5	2.86	Si
712	2X/2Y ø6/24.8	42	-14023	SLU 35	6988	3562	27213	2.5	166.91	-2379	-12708	SLU 30	6817	3562	27036	2.5	2.87	Si
683	2X/2Y ø6/24.8	42	-14175	SLU 35	7008	3562	27233	2.5	167.38	-2379	-12860	SLU 30	6837	3562	27056	2.5	2.87	Si
653	2X/2Y ø6/24.8	42	-14326	SLU 35	7028	3562	27254	2.5	167.86	-2379	-13012	SLU 30	6857	3562	27077	2.5	2.88	Si
624	2X/2Y ø6/24.8	42	-14478	SLU 35	7047	3562	27274	2.5	168.33	-2379	-13163	SLU 30	6876	3562	27097	2.5	2.89	Si
595	2X/2Y ø6/24.8	42	-14630	SLU 35	7067	3562	27294	2.5	168.8	-2379	-13315	SLU 30	6896	3562	27117	2.5	2.9	Si
566	2X/2Y ø6/24.8	42	-14781	SLU 35	7087	3562	27315	2.5	169.27	-2379	-13467	SLU 30	6916	3562	27138	2.5	2.91	Si
537	2X/2Y ø6/24.8	42	-14933	SLU 35	7107	3562	27335	2.5	169.74	-2379	-13618	SLU 30	6936	3562	27158	2.5	2.92	Si
508	2X/2Y ø6/24.8	42	-15085	SLU 35	7126	3562	27356	2.5	170.21	-2379	-13770	SLU 30	6955	3562	27179	2.5	2.92	Si
478	2X/2Y ø6/24.8	42	-15236	SLU 35	7146	3562	27376	2.5	170.68	-2379	-13922	SLU 30	6975	3562	27199	2.5	2.93	Si
449	2X/2Y ø6/24.8	42	-15388	SLU 35	7166	3562	27396	2.5	171.16	-2379	-14073	SLU 30	6995	3562	27219	2.5	2.94	Si
420	2X/2Y ø6/24.8	42	-15537	SLU 35	7185	3562	27417	2.5	171.62	-2379	-14223	SLU 30	7014	3562	27240	2.5	2.95	Si
350	2X/2Y ø6/23.9	-37	-28450	SLU 22	10133	4223	36491	2.5	273.61	332	-29048	SLU 26	10212	4223	36572	2.5	30.77	Si
319	2X/2Y ø6/23.9	-37	-28648	SLU 22	10159	4223	36518	2.5	274.31	332	-29246	SLU 26	10238	4223	36600	2.5	30.85	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	1074	-9227	SLV 3	6364	3562	26567	2.5	5.92	-6748	-15599	SLV 5	7193	3562	27425	2.5	1.07	Si
741	2X/2Y ø6/24.8	1074	-9341	SLV 3	6379	3562	26582	2.5	5.94	-6748	-15713	SLV 5	7208	3562	27440	2.5	1.07	Si
712	2X/2Y ø6/24.8	1074	-9458	SLV 3	6394	3562	26598	2.5	5.95	-6748	-15830	SLV 5	7223	3562	27456	2.5	1.07	Si
683	2X/2Y ø6/24.8	1074	-9575	SLV 3	6409	3562	26614	2.5	5.97	-6748	-15947	SLV 5	7238	3562	27472	2.5	1.07	Si
653	2X/2Y ø6/24.8	1074	-9691	SLV 3	6424	3562	26630	2.5	5.98	-6748	-16063	SLV 5	7254	3562	27487	2.5	1.07	Si
624	2X/2Y ø6/24.8	1074	-9808	SLV 3	6440	3562	26645	2.5	6	-6748	-16180	SLV 5	7269	3562	27503	2.5	1.08	Si
595	2X/2Y ø6/24.8	1074	-9925	SLV 3	6455	3562	26661	2.5	6.01	-6748	-16297	SLV 5	7284	3562	27519	2.5	1.08	Si
566	2X/2Y ø6/24.8	1074	-10041	SLV 3	6470	3562	26677	2.5	6.02	-6748	-16413	SLV 5	7299	3562	27534	2.5	1.08	Si
537	2X/2Y ø6/24.8	1074	-10158	SLV 3	6485	3562	26692	2.5	6.04	-6748	-16530	SLV 5	7314	3562	27550	2.5	1.08	Si
508	2X/2Y ø6/24.8	1074	-10275	SLV 3	6500	3562	26708	2.5	6.05	-6748	-16647	SLV 5	7330	3562	27566	2.5	1.09	Si
478	2X/2Y ø6/24.8	1074	-10391	SLV 3	6516	3562	26724	2.5	6.07	-6748	-16763	SLV 5	7345	3562	27582	2.5	1.09	Si
449	2X/2Y ø6/24.8	1074	-10508	SLV 3	6531	3562	26740	2.5	6.08	-6748	-16880	SLV 5	7360	3562	27597	2.5	1.09	Si
420	2X/2Y ø6/24.8	1074	-10623	SLV 3	6546	3562	26755	2.5	6.09	-6748	-16995	SLV 5	7375	3562	27613	2.5	1.09	Si
350	2X/2Y ø6/23.9	-1089	-21841	SLV 3	9258	4223	35586	2.5	8.5	2373	-9714	SLV 11	7653	4223	33926	2.5	3.23	Si
319	2X/2Y ø6/23.9	-1089	-21993	SLV 3	9278	4223	35607	2.5	8.52	2373	-9867	SLV 11	7673	4223	33947	2.5	3.23	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	393	-9100	SLD 3	6348	3562	26550	2.5	16.17	-3350	-11337	SLD 5	6639	3562	26851	2.5	1.98	Si
741	2X/2Y ø6/24.8	393	-9215	SLD 3	6362	3562	26565	2.5	16.21	-3350	-11452	SLD 5	6654	3562	26867	2.5	1.99	Si
712	2X/2Y ø6/24.8	393	-9331	SLD 3	6378	3562	26581	2.5	16.25	-3350	-11568	SLD 5	6669	3562	26882	2.5	1.99	Si
683	2X/2Y ø6/24.8	393	-9448	SLD 3	6393	3562	26597	2.5	16.29	-3350	-11685	SLD 5	6684	3562	26898	2.5	2	Si
653	2X/2Y ø6/24.8	393	-9565	SLD 3	6408	3562	26613	2.5	16.32	-3350	-11802	SLD 5	6699	3562	26914	2.5	2	Si
624	2X/2Y ø6/24.8	393	-9681	SLD 3	6423	3562	26628	2.5	16.36	-3350	-11918	SLD 5	6714	3562	26929	2.5	2	Si
595	2X/2Y ø6/24.8	393	-9798	SLD 3	6438	3562	26644	2.5	16.4	-3350	-12035	SLD 5	6729	3562	26945	2.5	2.01	Si
566	2X/2Y ø6/24.8	393	-9915	SLD 3	6454	3562	26660	2.5	16.44	-3350	-12152	SLD 5	6745	3562	26961	2.5	2.01	Si
537	2X/2Y ø6/24.8	393	-10031	SLD 3	6469	3562	26675	2.5	16.48	-3350	-12268	SLD 5	6760	3562	26976	2.5	2.02	Si
508	2X/2Y ø6/24.8	393	-10148	SLD 3	6484	3562	26691	2.5	16.52	-3350	-12385	SLD 5	6775	3562	26992	2.5	2.02	Si
478	2X/2Y ø6/24.8	393	-10265	SLD 3	6499	3562	26707	2.5	16.56	-3350	-12502	SLD 5	6790	3562	27008	2.5	2.03	Si
449	2X/2Y ø6/24.8	393	-10381	SLD 3	6514	3562	26722	2.5	16.6	-3350	-12618	SLD 5	6805	3562	27024	2.5	2.03	Si
420	2X/2Y ø6/24.8	393	-10496	SLD 3	6529	3562	26738	2.5	16.63	-3350	-12733	SLD 5	6820	3562	27039	2.5	2.04	Si
350	2X/2Y ø6/23.9	-398	-22829	SLD 3	9389	4223	35721	2.5	23.59	959	-18572	SLD 11	8825	4223	35138	2.5	9.21	Si
319	2X/2Y ø6/23.9	-398	-22981	SLD 3	9409	4223	35742	2.5	23.65	959	-18724	SLD 11	8846	4223	35159	2.5	9.23	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	1.102	901	1.101	0.399	1.098	SLV 5	Si
741	1.105	909	1.105	0.401	1.101	SLV 5	Si
712	1.109	916	1.109	0.402	1.105	SLV 5	Si
683	1.113	924	1.113	0.403	1.109	SLV 5	Si
653	1.115	928	1.115	0.404	1.11	SLV 5	Si
624	1.119	936	1.119	0.405	1.114	SLV 5	Si
595	1.121	940	1.121	0.406	1.116	SLV 5	Si
566	1.125	948	1.125	0.408	1.12	SLV 5	Si
537	1.129	956	1.128	0.409	1.124	SLV 5	Si
508	1.133	964	1.132	0.41	1.127	SLV 5	Si
478	1.137	973	1.137	0.412	1.131	SLV 5	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
449	1.141	981	1.14	0.413	1.135	SLV 5	Si
420	1.145	990	1.145	0.414	1.139	SLV 5	Si
350	2.834	2474	1.666	0.573	1.575	SLV 11	Si
319	2.834	2474	1.666	0.573	1.575	SLV 11	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	3.145	1039	2.938	0.422	2.987	SLD 5	Si
741	3.156	1049	2.949	0.423	2.997	SLD 5	Si
712	3.162	1054	2.955	0.424	3.003	SLD 5	Si
683	3.168	1059	2.961	0.424	3.008	SLD 5	Si
653	3.18	1069	2.972	0.426	3.018	SLD 5	Si
624	3.191	1081	2.986	0.428	3.029	SLD 5	Si
595	3.203	1091	2.997	0.429	3.04	SLD 5	Si
566	3.215	1102	3.01	0.431	3.051	SLD 5	Si
537	3.221	1108	3.016	0.431	3.056	SLD 5	Si
508	3.227	1113	3.022	0.432	3.061	SLD 5	Si
478	3.238	1124	3.034	0.434	3.072	SLD 5	Si
449	3.25	1135	3.046	0.435	3.083	SLD 5	Si
420	3.262	1146	3.058	0.437	3.094	SLD 5	Si
350	8.061	2474	4.193	0.603	4.276	SLD 11	Si
319	8.061	2474	4.193	0.603	4.276	SLD 11	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 47

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	484787	32368	-9778	842770	56269	SLU 30	1.738	Si
449	18.1	2.3	0	2,3,4,5	436897	30468	-9629	876302	61110	SLU 30	2.006	Si
478	18.1	2.3	0	2,3,4,5	388171	28534	-9477	922478	67811	SLU 30	2.376	Si
508	18.1	1.1	0	5	339445	26601	-9325	987335	77374	SLU 30	2.909	Si
537	18.1	1.1	0	5	290719	24668	-9174	1070046	90795	SLU 30	3.681	Si
566	18.1	1.1	0	5	241994	22735	-9022	1184484	111280	SLU 30	4.895	Si
-22	0	0.9	0	1	-17720	-9854	-35565	-94909	-52779	SLU 30	5.356	Si
-17	1.47	0.9	0	1	-16186	-9620	-35529	-88117	-52370	SLU 30	5.444	Si
14	17.38	1.8	0	1,2,3,4	-7795	-8337	-35331	-49686	-53142	SLU 30	6.374	Si
44	18.1	1.8	0	1,2,3,4	733	-7034	-35130	4732	-45374	SLU 30	6.451	Si
75	18.1	0.9	0	2,3,4	9357	-5715	-34926	60712	-37083	SLU 30	6.488	Si
105	18.1	0.9	0	2,3,4	17785	-4426	-34727	116060	-28884	SLU 30	6.526	Si
136	18.1	0.9	0	2,3,4	26308	-3123	-34526	172678	-20495	SLU 30	6.564	Si
167	18.1	0.9	0	2,3,4	34829	-1819	-34325	229949	-12008	SLU 30	6.602	Si
197	18.1	0.9	0	2,3,4	43348	-515	-34123	287883	-3421	SLU 30	6.641	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	2,3,4,5	973645	-4177	-7540	670137	-2875	SLV 5	0.688				No
449	18.1	2.3	0	2,3,4,5	847130	-3542	-7425	681694	-2850	SLV 5	0.805				No
478	18.1	2.3	0	2,3,4,5	718470	-2894	-7309	698289	-2813	SLV 5	0.972				No
508	18.1	1.1	0	5	589922	-2245	-7192	723559	-2753	SLV 5	1.227				Si
770	18.1	1.1	0	5	-570281	4179	-6144	-705569	5171	SLV 5	1.237				Si
537	18.1	1.1	0	5	461609	-1592	-7075	766654	-2644	SLV 5	1.661				Si
741	18.1	1.1	0	5	-443879	3286	-6259	-749134	5545	SLV 5	1.688				Si
712	18.1	1.1	0	5	324952	15378	-6134	821274	38866	SLV 11	2.527				Si
566	18.1	1.1	0	5	333944	-935	-6959	856184	-2398	SLV 5	2.564				Si
350	18.1	0.9	0	2,3,4	607047	107456	-23718	1575896	278956	SLV 11	2.596				Si
319	18.1	0.9	0	2,3,4	551127	76108	-23870	1705032	235458	SLV 11	3.094				Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
683	18.1	1.1	0	5	257046	18665	-6251	920574	66845	SLV 11	3.581				Si
289	18.1	0.9	0	2,3,4	494328	20303	-24025	1849651	75967	SLV 11	3.742				Si
595	18.1	1.1	0	5	174586	-114193	-2643	699729	-457680	SLV 1	4.008				Si
258	18.1	0.9	0	2,3,4	437600	17293	-24180	1902208	75171	SLV 11	4.347				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	600227	10339	-7472	726693	12517	SLD 5	1.211	Si
449	18.1	2.3	0	2,3,4,5	527855	9912	-7357	746723	14022	SLD 5	1.415	Si
478	18.1	2.3	0	2,3,4,5	454249	9479	-7240	775466	16183	SLD 5	1.707	Si
508	18.1	1.1	0	5	380692	9048	-7124	818939	19463	SLD 5	2.151	Si
537	18.1	1.1	0	5	307240	8617	-7007	892434	25029	SLD 5	2.905	Si
770	18.1	1.1	0	5	-282483	5426	-6076	-868015	16674	SLD 5	3.073	Si
566	18.1	1.1	0	5	234075	8188	-6890	1034404	36184	SLD 5	4.419	Si
741	18.1	1.1	0	5	-210162	5739	-6190	-1035867	28285	SLD 5	4.929	Si
350	18.1	0.9	0	2,3,4	311418	48513	-23714	1775870	276648	SLD 11	5.703	Si
-22	0	0.9	0	1	-35493	-16168	-32357	-208950	-95185	SLD 13	5.887	Si
-17	1.47	0.9	0	1	-32435	-14665	-32329	-194056	-87738	SLD 13	5.983	Si
319	18.1	0.9	0	2,3,4	282645	34253	-23866	1729504	209591	SLD 11	6.119	Si
289	18.1	0.9	0	2,3,4	182712	74483	-29668	1175132	479047	SLD 15	6.432	Si
258	18.1	0.9	0	2,3,4	161917	65608	-29823	1082209	438505	SLD 15	6.684	Si
228	18.1	0.9	0	2,3,4	141158	56737	-29978	979900	393864	SLD 15	6.942	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.597	222	0.62	0.223	0.613	SLV 5	No
449	0.748	363	0.759	0.276	0.758	SLV 5	No
478	0.965	652	0.965	0.351	0.966	SLV 5	No
508	1.293	1367	1.307	0.465	1.277	SLV 5	Si
770	1.223	1179	1.23	0.441	1.212	SLV 5	Si
537	1.859	2474	1.666	0.573	1.575	SLV 5	Si
741	1.582	2344	1.63	0.562	1.546	SLV 5	Si
712	2.113	2474	1.666	0.573	1.575	SLV 11	Si
566	2.975	2474	1.666	0.573	1.575	SLV 3	Si
350	1.822	2474	1.666	0.573	1.575	SLV 7	Si
319	1.973	2474	1.666	0.573	1.575	SLV 7	Si
683	2.91	2474	1.666	0.573	1.575	SLV 11	Si
289	2.148	2474	1.666	0.573	1.575	SLV 7	Si
595	3.215	2474	1.666	0.573	1.575	SLV 3	Si
258	2.362	2474	1.666	0.573	1.575	SLV 7	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	1.352	153	1.34	0.189	1.337	SLD 5	Si
449	1.691	247	1.63	0.234	1.658	SLD 5	Si
478	2.184	431	2.048	0.297	2.105	SLD 5	Si
508	2.934	871	2.733	0.394	2.793	SLD 5	Si
537	4.213	2266	4.045	0.556	3.938	SLD 5	Si
770	2.764	753	2.575	0.372	2.637	SLD 5	Si
566	6.729	2474	4.193	0.603	4.276	SLD 3	Si
741	3.578	1464	3.381	0.476	3.375	SLD 5	Si
350	4.117	2131	3.944	0.544	3.853	SLD 7	Si
-22	3.345	1226	3.144	0.447	3.169	SLD 3	Si
-17	3.747	1655	3.556	0.497	3.525	SLD 3	Si
319	4.459	2474	4.193	0.586	4.155	SLD 7	Si
289	4.855	2474	4.193	0.603	4.276	SLD 7	Si
258	5.334	2474	4.193	0.603	4.276	SLD 7	Si
228	5.908	2474	4.193	0.603	4.276	SLD 7	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-69	-8174	SLU 36	6227	3562	26425	2.5	89.83	-1671	-7963	SLU 30	6200	3562	26397	2.5	3.71	Si
741	2X/2Y ø6/24.8	-69	-8323	SLU 36	6246	3562	26445	2.5	90.11	-1671	-8112	SLU 30	6219	3562	26417	2.5	3.72	Si
712	2X/2Y ø6/24.8	-69	-8475	SLU 36	6266	3562	26466	2.5	90.4	-1671	-8264	SLU 30	6239	3562	26437	2.5	3.73	Si
683	2X/2Y ø6/24.8	-69	-8627	SLU 36	6286	3562	26486	2.5	90.68	-1671	-8415	SLU 30	6258	3562	26458	2.5	3.75	Si
653	2X/2Y ø6/24.8	-69	-8778	SLU 36	6306	3562	26507	2.5	90.97	-1671	-8567	SLU 30	6278	3562	26478	2.5	3.76	Si
624	2X/2Y ø6/24.8	-69	-8930	SLU 36	6325	3562	26527	2.5	91.25	-1671	-8719	SLU 30	6298	3562	26499	2.5	3.77	Si
595	2X/2Y ø6/24.8	-69	-9082	SLU 36	6345	3562	26548	2.5	91.53	-1671	-8870	SLU 30	6318	3562	26519	2.5	3.78	Si
566	2X/2Y ø6/24.8	-69	-9233	SLU 36	6365	3562	26568	2.5	91.82	-1671	-9022	SLU 30	6337	3562	26540	2.5	3.79	Si
537	2X/2Y ø6/24.8	-69	-9385	SLU 36	6385	3562	26588	2.5	92.1	-1671	-9174	SLU 30	6357	3562	26560	2.5	3.81	Si
508	2X/2Y ø6/24.8	-69	-9537	SLU 36	6404	3562	26609	2.5	92.39	-1671	-9325	SLU 30	6377	3562	26580	2.5	3.82	Si
478	2X/2Y ø6/24.8	-69	-9688	SLU 36	6424	3562	26629	2.5	92.67	-1671	-9477	SLU 30	6397	3562	26601	2.5	3.83	Si
449	2X/2Y ø6/24.8	-69	-9840	SLU 36	6444	3562	26650	2.5	92.96	-1671	-9629	SLU 30	6416	3562	26621	2.5	3.84	Si
420	2X/2Y ø6/24.8	-69	-9989	SLU 36	6463	3562	26670	2.5	93.24	-1671	-9778	SLU 30	6436	3562	26641	2.5	3.85	Si
350	2X/2Y ø6/23.9	42	-26498	SLU 18	9874	4223	36223	2.5	235.27	362	-28180	SLU 26	10097	4223	36454	2.5	27.86	Si
319	2X/2Y ø6/23.9	42	-26650	SLU 18	9894	4223	36244	2.5	235.75	362	-28378	SLU 26	10123	4223	36481	2.5	27.93	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	743	-884	SLV 1	5278	3562	25444	2.5	7.1	-5299	-6175	SLV 5	5967	3562	26156	2.5	1.13	Si
741	2X/2Y ø6/24.8	743	-999	SLV 1	5293	3562	25459	2.5	7.12	-5299	-6290	SLV 5	5982	3562	26172	2.5	1.13	Si
712	2X/2Y ø6/24.8	743	-1116	SLV 1	5309	3562	25475	2.5	7.14	-5299	-6407	SLV 5	5997	3562	26187	2.5	1.13	Si
683	2X/2Y ø6/24.8	743	-1232	SLV 1	5324	3562	25491	2.5	7.16	-5299	-6523	SLV 5	6012	3562	26203	2.5	1.13	Si
653	2X/2Y ø6/24.8	743	-1349	SLV 1	5339	3562	25507	2.5	7.18	-5299	-6640	SLV 5	6027	3562	26219	2.5	1.14	Si
624	2X/2Y ø6/24.8	743	-1466	SLV 1	5354	3562	25522	2.5	7.2	-5299	-6757	SLV 5	6043	3562	26235	2.5	1.14	Si
595	2X/2Y ø6/24.8	743	-1582	SLV 1	5369	3562	25538	2.5	7.22	-5299	-6873	SLV 5	6058	3562	26250	2.5	1.14	Si
566	2X/2Y ø6/24.8	743	-1699	SLV 1	5384	3562	25554	2.5	7.24	-5299	-6990	SLV 5	6073	3562	26266	2.5	1.15	Si
537	2X/2Y ø6/24.8	743	-1816	SLV 1	5400	3562	25569	2.5	7.26	-5299	-7107	SLV 5	6088	3562	26282	2.5	1.15	Si
508	2X/2Y ø6/24.8	743	-1932	SLV 1	5415	3562	25585	2.5	7.28	-5299	-7223	SLV 5	6103	3562	26297	2.5	1.15	Si
478	2X/2Y ø6/24.8	743	-2049	SLV 1	5430	3562	25601	2.5	7.3	-5299	-7340	SLV 5	6118	3562	26313	2.5	1.15	Si
449	2X/2Y ø6/24.8	743	-2166	SLV 1	5445	3562	25617	2.5	7.32	-5299	-7457	SLV 5	6134	3562	26329	2.5	1.16	Si
420	2X/2Y ø6/24.8	743	-2280	SLV 1	5460	3562	25632	2.5	7.34	-5299	-7571	SLV 5	6149	3562	26344	2.5	1.16	Si
350	2X/2Y ø6/23.9	-827	-7613	SLV 1	7375	4223	33638	2.5	8.92	2289	-23721	SLV 11	9507	4223	35843	2.5	4.15	Si
319	2X/2Y ø6/23.9	-827	-7766	SLV 1	7395	4223	33659	2.5	8.94	2289	-23873	SLV 11	9527	4223	35864	2.5	4.16	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-320	-7828	SLD 15	6182	3562	26379	2.5	19.34	-2527	-6076	SLD 5	5954	3562	26143	2.5	2.36	Si
741	2X/2Y ø6/24.8	-320	-7943	SLD 15	6197	3562	26394	2.5	19.39	-2527	-6190	SLD 5	5969	3562	26158	2.5	2.36	Si
712	2X/2Y ø6/24.8	-320	-8060	SLD 15	6212	3562	26410	2.5	19.43	-2527	-6307	SLD 5	5984	3562	26174	2.5	2.37	Si

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
683	2X/2Y ø6/24.8	-320	-8176	SLD 15	6227	3562	26426	2.5	19.48	-2527	-6424	SLD 5	5999	3562	26190	2.5	2.37	Si
653	2X/2Y ø6/24.8	-320	-8293	SLD 15	6243	3562	26441	2.5	19.53	-2527	-6540	SLD 5	6014	3562	26205	2.5	2.38	Si
624	2X/2Y ø6/24.8	-320	-8410	SLD 15	6258	3562	26457	2.5	19.58	-2527	-6657	SLD 5	6030	3562	26221	2.5	2.39	Si
595	2X/2Y ø6/24.8	-320	-8526	SLD 15	6273	3562	26473	2.5	19.62	-2527	-6774	SLD 5	6045	3562	26237	2.5	2.39	Si
566	2X/2Y ø6/24.8	-320	-8643	SLD 15	6288	3562	26488	2.5	19.67	-2527	-6890	SLD 5	6060	3562	26253	2.5	1.8	Si
537	2X/2Y ø6/24.8	-320	-8760	SLD 15	6303	3562	26504	2.5	19.72	-2527	-7007	SLD 5	6075	3562	26268	2.5	1.8	Si
508	2X/2Y ø6/24.8	-320	-8876	SLD 15	6318	3562	26520	2.5	19.77	-2527	-7124	SLD 5	6090	3562	26284	2.5	1.81	Si
478	2X/2Y ø6/24.8	-320	-8993	SLD 15	6334	3562	26536	2.5	19.81	-2527	-7240	SLD 5	6106	3562	26300	2.5	1.82	Si
449	2X/2Y ø6/24.8	-320	-9110	SLD 15	6349	3562	26551	2.5	19.86	-2527	-7357	SLD 5	6121	3562	26315	2.5	1.82	Si
420	2X/2Y ø6/24.8	-320	-9224	SLD 15	6364	3562	26567	2.5	19.91	-2527	-7472	SLD 5	6136	3562	26331	2.5	1.83	Si
350	2X/2Y ø6/23.9	322	-29361	SLD 15	10253	4223	36615	2.5	31.89	960	-23714	SLD 11	9506	4223	35842	2.5	9.9	Si
319	2X/2Y ø6/23.9	322	-29514	SLD 15	10273	4223	36636	2.5	31.95	960	-23866	SLD 11	9526	4223	35863	2.5	9.93	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	1.156	1017	1.157	0.418	1.15	SLV 5	Si
741	1.16	1026	1.162	0.42	1.153	SLV 5	Si
712	1.164	1036	1.166	0.421	1.157	SLV 5	Si
683	1.168	1045	1.17	0.422	1.161	SLV 5	Si
653	1.172	1054	1.174	0.424	1.164	SLV 5	Si
624	1.176	1063	1.179	0.425	1.168	SLV 5	Si
595	1.18	1073	1.183	0.426	1.172	SLV 5	Si
566	1.184	1082	1.187	0.428	1.175	SLV 5	Si
537	1.186	1087	1.189	0.428	1.177	SLV 5	Si
508	1.189	1096	1.193	0.43	1.181	SLV 5	Si
478	1.193	1106	1.198	0.431	1.184	SLV 5	Si
449	1.195	1111	1.2	0.432	1.186	SLV 5	Si
420	1.199	1120	1.204	0.433	1.19	SLV 5	Si
350	3.777	2474	1.666	0.573	1.575	SLV 7	Si
319	3.777	2474	1.666	0.573	1.575	SLV 7	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	3.303	1184	3.1	0.442	3.13	SLD 5	Si
741	3.309	1190	3.106	0.442	3.135	SLD 5	Si
712	3.32	1202	3.119	0.444	3.146	SLD 5	Si
683	3.332	1212	3.129	0.445	3.156	SLD 5	Si
653	3.344	1224	3.142	0.447	3.166	SLD 5	Si
624	3.355	1235	3.154	0.448	3.177	SLD 5	Si
595	3.361	1241	3.16	0.449	3.182	SLD 5	Si
566	3.373	1252	3.171	0.451	3.193	SLD 5	Si
537	3.385	1264	3.184	0.452	3.203	SLD 5	Si
508	3.391	1270	3.19	0.453	3.209	SLD 5	Si
478	3.402	1281	3.201	0.454	3.219	SLD 5	Si
449	3.414	1293	3.214	0.456	3.229	SLD 5	Si
420	3.426	1304	3.225	0.457	3.239	SLD 5	Si
350	10.756	2474	4.193	0.603	4.276	SLD 7	Si
319	10.756	2474	4.193	0.603	4.276	SLD 7	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 48

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	396	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	828	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
792	18.1	1.1	0	5	-590547	682769	-12785	-581477	672283	SLU 35	0.985	No
814	23.75	2.3	0	5	-636834	733506	-12668	-696124	801797	SLU 35	1.093	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
823	25.59	2.3	0	5	-653426	751694	-12627	-727725	837167	SLU 35	1.114	Si
761	18.1	1.1	0	5	-526638	612714	-12946	-592062	688831	SLU 35	1.124	Si
730	18.1	1.1	0	5	-462729	542659	-13108	-606748	711556	SLU 35	1.311	Si
699	18.1	1.1	0	5	-398819	472604	-13269	-623354	738679	SLU 35	1.563	Si
668	18.1	1.1	0	5	-334910	402549	-13430	-639769	768978	SLU 35	1.91	Si
637	18.1	1.1	0	5	-271000	332494	-13591	-659824	809545	SLU 35	1.835	Si
606	18.1	1.1	0	5	-207091	262438	-13752	-677503	858574	SLU 35	3.272	Si
575	18.1	1.1	0	5	-143029	193199	-14011	-697390	942013	SLU 36	4.876	Si
420	18.1	2.3	0	3,4,5	175335	-156762	-14717	875704	-782946	SLU 35	4.994	Si
367	19.88	1.6	0	2,3,4	218067	-208729	-17016	1153406	-1104016	SLU 35	5.289	Si
394	27.65	2.2	0	2,3,4	234408	-223649	-16834	1255653	-1198020	SLU 35	5.357	Si
396	28.47	2.2	0	2,3,4	235216	-224386	-16825	1270574	-1212077	SLU 35	5.402	Si
337	18.1	0.9	0	2,4	200756	-192924	-17210	1144352	-1099707	SLU 35	5.7	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-22	0	0.9	0		20444	-36738	3008	0	0	SLV 7	0				No
-17	1.47	0.9	0	1	23261	-37107	3036	14433	-23023	SLV 7	0.62				No
792	18.1	1.1	0	5	-447873	516739	3169	-440764	508537	SLV 3	0.984				No
761	18.1	1.1	0	5	-413162	481551	3045	-436330	508553	SLV 3	1.056				Si
730	18.1	1.1	0	5	-378616	447828	2921	-430327	508991	SLV 3	1.137				Si
814	23.75	2.3	0	5	-473140	543137	3259	-560405	643313	SLV 3	1.184				Si
823	25.59	2.3	0	5	-482243	552857	3291	-597866	685410	SLV 3	1.24				Si
699	18.1	1.1	0	5	-309667	415330	2797	-385786	517422	SLV 3	1.246				Si
668	18.1	1.1	0	5	-265044	383824	2673	-359210	520191	SLV 3	1.355				Si
637	18.1	1.1	0	5	-225576	353109	2549	-333699	522362	SLV 3	1.479				Si
606	18.1	1.1	0	5	-186153	323009	2425	-300818	521976	SLV 3	1.616				Si
420	18.1	2.3	0	3,4,5	48824	-330464	1683	80957	-547960	SLV 3	1.658				Si
575	18.1	1.1	0	5	-146774	293364	2301	-260930	521533	SLV 3	1.778				Si
544	18.1	1.1	0	5	-107440	264075	2177	-212050	521195	SLV 3	1.974				Si
337	18.1	0.9	0	2,4	231386	-98573	4825	498309	-212284	SLV 7	2.154				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
792	18.1	1.1	0	5	-395542	456735	-3137	-513668	593135	SLD 3	1.299	Si
761	18.1	1.1	0	5	-358846	417912	-3261	-516027	600965	SLD 3	1.438	Si
814	23.75	2.3	0	5	-422176	485252	-3047	-635260	730172	SLD 3	1.505	Si
823	25.59	2.3	0	5	-431743	495586	-3015	-671281	770544	SLD 3	1.555	Si
730	18.1	1.1	0	5	-322224	379730	-3385	-518130	610599	SLD 3	1.608	Si
699	18.1	1.1	0	5	-270441	342084	-3509	-499953	632396	SLD 3	1.849	Si
668	18.1	1.1	0	5	-229376	304872	-3633	-490696	652201	SLD 3	2.139	Si
637	18.1	1.1	0	5	-190583	268006	-3757	-481700	677389	SLD 3	2.528	Si
606	18.1	1.1	0	5	-151810	231410	-3881	-467527	712674	SLD 3	3.08	Si
575	18.1	1.1	0	5	-113056	195014	-4005	-444233	766272	SLD 3	3.929	Si
420	18.1	2.3	0	3,4,5	79796	-196144	-4623	344542	-846912	SLD 3	4.318	Si
544	18.1	1.1	0	5	-74322	158773	-4129	-401742	858238	SLD 3	5.405	Si
367	19.88	1.6	0	2,3,4	185306	-116976	-4459	1053999	-665342	SLD 7	5.688	Si
337	18.1	0.9	0	2,4	171345	-109168	-4608	1031251	-657035	SLD 7	6.019	Si
394	27.65	2.2	0	2,3,4	198494	-124306	-4319	1250026	-782824	SLD 7	6.298	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-22	0.882	525	0.883	0.322	0.886	SLV 11	No
-17	0.903	556	0.904	0.33	0.906	SLV 7	No
792	0.965	652	0.965	0.351	0.966	SLV 3	No
761	1.109	916	1.109	0.402	1.105	SLV 3	Si
730	1.242	1230	1.251	0.448	1.23	SLV 3	Si
814	1.445	1841	1.476	0.516	1.419	SLV 3	Si
823	1.594	2391	1.643	0.566	1.556	SLV 3	Si
699	1.383	1635	1.406	0.495	1.361	SLV 3	Si
668	1.488	1991	1.524	0.531	1.459	SLV 3	Si
637	1.582	2344	1.63	0.562	1.546	SLV 3	Si
606	1.668	2474	1.666	0.573	1.575	SLV 3	Si
420	1.574	2313	1.621	0.56	1.538	SLV 3	Si
575	1.746	2474	1.666	0.573	1.575	SLV 3	Si
544	1.813	2474	1.666	0.573	1.575	SLV 3	Si
337	1.898	2474	1.666	0.573	1.575	SLV 7	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
792	2.184	431	2.048	0.297	2.105	SLD 3	Si
761	2.512	597	2.341	0.339	1.804	SLD 3	Si
814	3.273	1157	3.07	0.438	3.104	SLD 3	Si
823	3.602	1489	3.405	0.479	3.396	SLD 3	Si
730	2.805	780	2.612	0.377	2.675	SLD 3	Si
699	3.127	1022	2.918	0.419	2.97	SLD 3	Si
668	3.367	1247	3.166	0.45	3.188	SLD 3	Si
637	3.578	1464	3.381	0.476	3.375	SLD 3	Si
606	3.777	1692	3.588	0.501	3.553	SLD 3	Si
575	3.953	1911	3.772	0.523	3.708	SLD 3	Si
420	3.566	1451	3.369	0.475	3.365	SLD 3	Si
544	4.104	2112	3.93	0.542	3.842	SLD 3	Si
367	4.562	2474	4.193	0.599	4.246	SLD 7	Si
337	4.302	2397	4.139	0.567	4.017	SLD 7	Si
394	5.99	2474	4.193	0.603	4.276	SLD 7	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
814	2X/2Y ø6/24.8	2260	-12668	SLU 35	6812	3562	27030	2.5	3.01	-2062	-12668	SLU 35	6812	3562	27030	2.5	3.3	Si
792	2X/2Y ø6/24.8	2260	-12785	SLU 35	6827	3562	27046	2.5	3.02	-2062	-12785	SLU 35	6827	3562	27046	2.5	3.31	Si
761	2X/2Y ø6/24.8	2260	-12946	SLU 35	6848	3562	27068	2.5	3.03	-2062	-12946	SLU 35	6848	3562	27068	2.5	3.32	Si
730	2X/2Y ø6/24.8	2260	-13108	SLU 35	6869	3562	27089	2.5	3.04	-2062	-13108	SLU 35	6869	3562	27089	2.5	3.33	Si
699	2X/2Y ø6/24.8	2260	-13269	SLU 35	6890	3562	27111	2.5	3.05	-2062	-13269	SLU 35	6890	3562	27111	2.5	3.34	Si
668	2X/2Y ø6/24.8	2260	-13430	SLU 35	6911	3562	27133	2.5	3.06	-2062	-13430	SLU 35	6911	3562	27133	2.5	3.35	Si
637	2X/2Y ø6/24.8	2260	-13591	SLU 35	6932	3562	27155	2.5	3.07	-2062	-13591	SLU 35	6932	3562	27155	2.5	3.36	Si
606	2X/2Y ø6/24.8	2260	-13752	SLU 35	6953	3562	27176	2.5	3.08	-2062	-13752	SLU 35	6953	3562	27176	2.5	3.37	Si
575	2X/2Y ø6/24.8	2260	-13914	SLU 35	6974	3562	27198	2.5	3.09	-2062	-13914	SLU 35	6974	3562	27198	2.5	3.38	Si
544	2X/2Y ø6/24.8	2260	-14075	SLU 35	6995	3562	27220	2.5	3.1	-2062	-14075	SLU 35	6995	3562	27220	2.5	3.39	Si
513	2X/2Y ø6/24.8	2260	-14236	SLU 35	7016	3562	27241	2.5	3.1	-2062	-14236	SLU 35	7016	3562	27241	2.5	3.4	Si
482	2X/2Y ø6/24.8	2260	-14397	SLU 35	7037	3562	27263	2.5	3.11	-2062	-14397	SLU 35	7037	3562	27263	2.5	3.41	Si
451	2X/2Y ø6/24.8	2260	-14558	SLU 35	7058	3562	27285	2.5	3.12	-2062	-14558	SLU 35	7058	3562	27285	2.5	3.42	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
420	2X/2Y ø6/24.8	2260	-14717	SLU 35	7078	3562	27306	2.5	3.13	-2062	-14717	SLU 35	7078	3562	27306	2.5	3.43	Si
823	2X/2Y ø6/12	2260	-12627	SLU 35	6806	7347	27025	2.5	3.25	-2062	-12627	SLU 35	6806	7347	27025	2.5	3.56	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
792	2X/2Y ø6/24.8	1930	6108	SLV 3	5163	3562	25325	2.5	2.68	-1568	3964	SLV 7	5163	3562	25325	2.5	3.29	Si
761	2X/2Y ø6/24.8	1930	5984	SLV 3	5163	3562	25325	2.5	2.68	-1568	3840	SLV 7	5163	3562	25325	2.5	3.29	Si
730	2X/2Y ø6/24.8	1930	5860	SLV 3	5163	3562	25325	2.5	2.68	-1568	3716	SLV 7	5163	3562	25325	2.5	3.29	Si
699	2X/2Y ø6/24.8	1930	5736	SLV 3	5163	3562	25325	2.5	2.68	-1568	3592	SLV 7	5163	3562	25325	2.5	3.29	Si
668	2X/2Y ø6/24.8	1930	5612	SLV 3	5163	3562	25325	2.5	2.68	-1568	3468	SLV 7	5163	3562	25325	2.5	3.29	Si
637	2X/2Y ø6/24.8	1930	5488	SLV 3	5163	3562	25325	2.5	2.68	-1568	3344	SLV 7	5163	3562	25325	2.5	3.29	Si
606	2X/2Y ø6/24.8	1930	5364	SLV 3	5163	3562	25325	2.5	2.68	-1568	3220	SLV 7	5163	3562	25325	2.5	3.29	Si
575	2X/2Y ø6/24.8	1930	5240	SLV 3	5163	3562	25325	2.5	2.68	-1568	3096	SLV 7	5163	3562	25325	2.5	3.29	Si
544	2X/2Y ø6/24.8	1930	5116	SLV 3	5163	3562	25325	2.5	2.68	-1568	2972	SLV 7	5163	3562	25325	2.5	3.29	Si
513	2X/2Y ø6/24.8	1930	4992	SLV 3	5163	3562	25325	2.5	2.68	-1568	2848	SLV 7	5163	3562	25325	2.5	3.29	Si
482	2X/2Y ø6/24.8	1930	4868	SLV 3	5163	3562	25325	2.5	2.68	-1568	2724	SLV 7	5163	3562	25325	2.5	3.29	Si
814	2X/2Y ø6/24.8	1930	6198	SLV 3	5163	3562	25325	2.5	2.68	-1568	4054	SLV 7	5163	3562	25325	2.5	3.29	Si
451	2X/2Y ø6/24.8	1930	4744	SLV 3	5163	3562	25325	2.5	2.68	-1568	2600	SLV 7	5163	3562	25325	2.5	3.29	Si
420	2X/2Y ø6/24.8	1930	4622	SLV 3	5163	3562	25325	2.5	2.68	-1568	2478	SLV 7	5163	3562	25325	2.5	3.29	Si
823	2X/2Y ø6/12	1930	6230	SLV 3	5163	7347	25325	2.5	3.81	-1635	-2912	SLV 11	5542	7347	25717	2.5	4.49	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
814	2X/2Y ø6/24.8	1549	-3047	SLD 3	5560	3562	25735	2.5	3.59	-1351	-3811	SLD 7	5659	3562	25838	2.5	4.19	Si
792	2X/2Y ø6/24.8	1549	-3137	SLD 3	5572	3562	25747	2.5	3.6	-1351	-3901	SLD 7	5671	3562	25850	2.5	4.2	Si
761	2X/2Y ø6/24.8	1549	-3261	SLD 3	5588	3562	25764	2.5	3.61	-1351	-4025	SLD 7	5687	3562	25867	2.5	4.21	Si
730	2X/2Y ø6/24.8	1549	-3385	SLD 3	5604	3562	25781	2.5	3.62	-1351	-4149	SLD 7	5703	3562	25883	2.5	4.22	Si
699	2X/2Y ø6/24.8	1549	-3509	SLD 3	5620	3562	25797	2.5	3.63	-1351	-4273	SLD 7	5719	3562	25900	2.5	4.23	Si
668	2X/2Y ø6/24.8	1549	-3633	SLD 3	5636	3562	25814	2.5	3.64	-1351	-4397	SLD 7	5736	3562	25917	2.5	4.25	Si
637	2X/2Y ø6/24.8	1549	-3757	SLD 3	5652	3562	25831	2.5	3.65	-1351	-4521	SLD 7	5752	3562	25934	2.5	4.26	Si
606	2X/2Y ø6/24.8	1549	-3881	SLD 3	5668	3562	25847	2.5	3.66	-1351	-4645	SLD 7	5768	3562	25950	2.5	4.27	Si
575	2X/2Y ø6/24.8	1549	-4005	SLD 3	5685	3562	25864	2.5	3.67	-1351	-4769	SLD 7	5784	3562	25967	2.5	4.28	Si
544	2X/2Y ø6/24.8	1549	-4129	SLD 3	5701	3562	25881	2.5	3.68	-1351	-4893	SLD 7	5800	3562	25984	2.5	4.29	Si
513	2X/2Y ø6/24.8	1549	-4253	SLD 3	5717	3562	25898	2.5	3.69	-1351	-5017	SLD 7	5816	3562	26000	2.5	4.3	Si
482	2X/2Y ø6/24.8	1549	-4377	SLD 3	5733	3562	25914	2.5	3.7	-1351	-5141	SLD 7	5832	3562	26017	2.5	4.32	Si
451	2X/2Y ø6/24.8	1549	-4501	SLD 3	5749	3562	25931	2.5	3.71	-1351	-5265	SLD 7	5848	3562	26034	2.5	4.33	Si
420	2X/2Y ø6/24.8	1549	-4623	SLD 3	5765	3562	25947	2.5	3.72	-1351	-5387	SLD 7	5864	3562	26050	2.5	4.34	Si
823	2X/2Y ø6/12	1549	-3015	SLD 3	5556	7347	25731	2.5	4.74	-1375	-6236	SLD 11	5975	7347	26165	2.5	5.34	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
792	3.789	2474	1.666	0.573	1.575	SLV 3	Si
761	3.789	2474	1.666	0.573	1.575	SLV 3	Si
730	3.789	2474	1.666	0.573	1.575	SLV 3	Si
699	3.789	2474	1.666	0.573	1.575	SLV 3	Si
668	3.789	2474	1.666	0.573	1.575	SLV 3	Si
637	3.789	2474	1.666	0.573	1.575	SLV 3	Si
606	3.789	2474	1.666	0.573	1.575	SLV 3	Si
575	3.789	2474	1.666	0.573	1.575	SLV 3	Si
544	3.789	2474	1.666	0.573	1.575	SLV 3	Si
513	3.789	2474	1.666	0.573	1.575	SLV 3	Si
482	3.789	2474	1.666	0.573	1.575	SLV 3	Si
814	3.789	2474	1.666	0.573	1.575	SLV 3	Si
451	3.789	2474	1.666	0.573	1.575	SLV 3	Si
420	3.789	2474	1.666	0.573	1.575	SLV 3	Si
823	10.258	2474	1.666	0.573	1.575	SLV 3	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
814	10.873	2474	4.193	0.603	4.276	SLD 3	Si
792	10.873	2474	4.193	0.603	4.276	SLD 3	Si
761	10.873	2474	4.193	0.603	4.276	SLD 3	Si
730	10.873	2474	4.193	0.603	4.276	SLD 3	Si
699	10.873	2474	4.193	0.603	4.276	SLD 3	Si
668	10.873	2474	4.193	0.603	4.276	SLD 3	Si
637	10.873	2474	4.193	0.603	4.276	SLD 3	Si
606	10.873	2474	4.193	0.603	4.276	SLD 3	Si
575	10.873	2474	4.193	0.603	4.276	SLD 3	Si
544	10.873	2474	4.193	0.603	4.276	SLD 3	Si
513	10.873	2474	4.193	0.603	4.276	SLD 3	Si
482	10.873	2474	4.193	0.603	4.276	SLD 3	Si
451	10.873	2474	4.193	0.603	4.276	SLD 3	Si
420	10.873	2474	4.193	0.603	4.276	SLD 3	Si
823	29.457	2474	4.193	0.603	4.276	SLD 3	Si

Verifiche nodi trave colonna

Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 49

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-70	R 30x30	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	360	R 30x30	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	780	R 30x30	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-10.27	-10.27	2.2	3.801	-542	-500	R 30x30	FeB 32k liscio LC1
p.1	10.27	-10.27	2.2	3.801	-542	-500	R 30x30	FeB 32k liscio LC1
p.1	10.27	10.27	2.2	3.801	-542	-500	R 30x30	FeB 32k liscio LC1
p.1	-10.27	10.27	2.2	3.801	-542	-500	R 30x30	FeB 32k liscio LC1
p.2	-10.27	-10.27	2.2	3.801	-500	-10	R 30x30	FeB 32k liscio LC1
p.2	10.27	-10.27	2.2	3.801	-500	-10	R 30x30	FeB 32k liscio LC1
p.2	10.27	10.27	2.2	3.801	-500	-10	R 30x30	FeB 32k liscio LC1
p.2	-10.27	10.27	2.2	3.801	-500	-10	R 30x30	FeB 32k liscio LC1
p.3	-10.27	-10.27	2.2	3.801	-10	420	R 30x30	FeB 32k liscio LC1
p.3	10.27	-10.27	2.2	3.801	-10	420	R 30x30	FeB 32k liscio LC1
p.3	10.27	10.27	2.2	3.801	-10	420	R 30x30	FeB 32k liscio LC1
p.3	-10.27	10.27	2.2	3.801	-10	420	R 30x30	FeB 32k liscio LC1
p.4	-10.27	-10.27	2.2	3.801	420	780	R 30x30	FeB 32k liscio LC1
p.4	10.27	-10.27	2.2	3.801	420	780	R 30x30	FeB 32k liscio LC1
p.4	10.27	10.27	2.2	3.801	420	780	R 30x30	FeB 32k liscio LC1
p.4	-10.27	10.27	2.2	3.801	420	780	R 30x30	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	15.21	3.4	0	2,3	-50974	420321	-31211	-80965	667625	SLU 30	1.588	Si
21	15.21	3.4	0	2,3	-44983	368067	-31123	-80525	658883	SLU 30	1.79	Si
-70	15.21	1.7	0	2	47087	-240615	-49666	85974	-439326	SLU 30	1.826	Si
-101	15.21	1.7	0	2	40761	-221333	-49754	76759	-416798	SLU 30	1.883	Si
-131	15.21	1.7	0	2	34293	-201616	-49843	66651	-391853	SLU 30	1.944	Si
-162	15.21	1.7	0	2	27825	-181899	-49933	55802	-364795	SLU 30	2.005	Si
52	15.21	1.7	0	3	-38894	314952	-31033	-78573	636259	SLU 30	2.02	Si
-193	15.21	1.7	0	2	21357	-162183	-50023	44196	-335622	SLU 30	2.069	Si
-224	15.21	1.7	0	2	14889	-142466	-50113	31794	-304231	SLU 30	2.135	Si
-254	15.21	1.7	0	2	8420	-122749	-50203	18543	-270313	SLU 30	2.202	Si
-500	15.21	3.4	0	1,2	-43220	34664	-50920	-97629	78300	SLU 30	2.259	Si
83	15.21	1.7	0	3	-32805	261836	-30942	-74122	591617	SLU 30	2.259	Si
-469	15.21	3.4	0	1,2	-36857	15268	-50832	-83401	34548	SLU 30	2.263	Si
-439	15.21	1.7	0	2	-30389	-4449	-50742	-68886	-10085	SLU 30	2.267	Si
-285	15.21	1.7	0	2	1952	-103032	-50293	4430	-233812	SLU 30	2.269	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	15.21	3.4	0	2,3	-781866	490819	-16406	-394932	247920	SLV 7	0.505				No
21	15.21	3.4	0	2,3	-669279	422910	-16338	-403680	255081	SLV 7	0.603				No
360	15.21	1.7	0	3	587732	-335306	-15576	419746	-239469	SLV 7	0.714				No
52	15.21	1.7	0	3	-554836	353882	-16268	-414571	264419	SLV 7	0.747				No
780	15.21	1.7	0	4	504617	-3755	-8022	418204	-3112	SLV 11	0.829				No
420	15.21	3.4	0	3,4	-509921	-31569	-8830	-425054	-26315	SLV 11	0.834				No
329	15.21	1.7	0	3	475145	-267397	-15644	438832	-246961	SLV 7	0.924				No
83	15.21	1.7	0	3	-440393	284855	-16199	-427982	276828	SLV 7	0.972				No
750	15.21	1.7	0	4	421256	-6077	-8088	435845	-6287	SLV 11	1.035				Si
450	15.21	3.4	0	3,4	-426560	-29290	-8763	-442740	-30401	SLV 11	1.038				Si
298	15.21	1.7	0	3	360702	-198370	-15713	463765	-255050	SLV 7	1.286				Si
113	15.21	1.7	0	3	-325949	215831	-16130	-438089	290085	SLV 7	1.344				Si
480	15.21	1.7	0	4	-341787	-26973	-8696	-472493	-37287	SLV 11	1.382				Si
720	15.21	1.7	0	4	335390	-8441	-8157	465835	-11724	SLV 11	1.389				Si
510	15.21	1.7	0	4	-57913	266340	-7366	-104145	478959	SLV 3	1.798				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	15.21	3.4	0	2,3	-368214	375676	-19626	-357246	364487	SLD 7	0.97	No
21	15.21	3.4	0	2,3	-315734	325873	-19558	-360743	372327	SLD 7	1.143	Si
52	15.21	1.7	0	3	-262389	275248	-19489	-365835	383764	SLD 7	1.394	Si
360	15.21	1.7	0	3	270193	-230189	-18796	406426	-346252	SLD 7	1.504	Si
780	15.21	1.7	0	4	271978	-842	-6871	472026	-1461	SLD 11	1.736	Si
83	15.21	1.7	0	3	-209044	224624	-19419	-370877	398519	SLD 7	1.774	Si
329	15.21	1.7	0	3	217713	-180385	-18864	423692	-351048	SLD 7	1.946	Si
420	15.21	3.4	0	3,4	-257661	-1834	-7679	-502977	-3580	SLD 11	1.952	Si
750	15.21	1.7	0	4	228459	-940	-6938	507186	-2086	SLD 11	2.22	Si
113	15.21	1.7	0	3	-155699	174001	-19350	-374911	418983	SLD 7	1.808	Si
-70	15.21	1.7	0	2	12632	-171643	-37790	31290	-425157	SLD 9	1.877	Si
450	15.21	3.4	0	3,4	-200846	74407	-7657	-499074	184891	SLD 7	1.885	Si
-101	15.21	1.7	0	2	11587	-157970	-37857	29486	-402001	SLD 9	2.545	Si
-131	15.21	1.7	0	2	10517	-143989	-37926	27524	-376848	SLD 9	2.617	Si
-162	15.21	1.7	0	2	9444	-130009	-37995	25415	-349848	SLD 9	2.691	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.422	108	0.462	0.16	0.44	SLV 7	No
21	0.541	180	0.569	0.203	0.558	SLV 7	No
360	0.723	337	0.736	0.267	0.734	SLV 7	No
52	0.713	327	0.727	0.264	0.724	SLV 7	No
780	0.818	442	0.822	0.3	0.825	SLV 11	No
420	0.838	465	0.84	0.307	0.843	SLV 11	No
329	0.933	601	0.933	0.34	0.935	SLV 7	No
83	0.969	659	0.969	0.353	0.97	SLV 7	No
750	1.035	774	1.035	0.376	1.034	SLV 11	Si
450	1.035	774	1.035	0.376	1.034	SLV 11	Si
298	1.246	1240	1.255	0.449	1.234	SLV 7	Si
113	1.367	1586	1.389	0.49	1.346	SLV 7	Si
480	1.336	1491	1.354	0.479	1.317	SLV 11	Si
720	1.391	1660	1.415	0.498	1.368	SLV 11	Si
510	1.652	2474	1.666	0.573	1.575	SLV 3	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.953	74	0.995	0.134	0.948	SLD 7	No
21	1.223	124	1.229	0.171	1.214	SLD 7	Si
52	1.609	221	1.557	0.223	1.58	SLD 7	Si
360	1.633	228	1.578	0.226	1.601	SLD 7	Si
780	1.848	299	1.763	0.254	1.799	SLD 11	Si
83	2.189	434	2.054	0.298	2.112	SLD 7	Si
329	2.107	399	1.984	0.288	2.037	SLD 7	Si
420	1.895	316	1.803	0.26	1.842	SLD 11	Si
750	2.342	505	2.186	0.318	2.25	SLD 11	Si
113	3.086	987	2.877	0.414	2.933	SLD 7	Si
-70	12.528	2474	4.193	0.603	4.276	SLD 7	Si
450	2.342	505	2.186	0.318	2.25	SLD 11	Si
-101	13.671	2474	4.193	0.603	4.276	SLD 7	Si
-131	15.048	2474	4.193	0.603	4.276	SLD 7	Si
-162	16.697	2474	4.193	0.603	4.276	SLD 7	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
360	2X/2Y ø6/24.7	-1723	-30132	SLU 30	5814	2603	17291	2.5	3.37	246	-27254	SLU 35	5814	2603	17291	2.5	23.68	Si
329	2X/2Y ø6/24.7	-1723	-30221	SLU 30	5814	2603	17291	2.5	3.37	246	-27342	SLU 35	5814	2603	17291	2.5	23.68	Si
298	2X/2Y ø6/24.7	-1723	-30311	SLU 30	5814	2603	17291	2.5	3.37	246	-27433	SLU 35	5814	2603	17291	2.5	23.68	Si
268	2X/2Y ø6/24.7	-1723	-30401	SLU 30	5814	2603	17291	2.5	3.37	246	-27523	SLU 35	5814	2603	17291	2.5	23.68	Si
144	2X/2Y ø6/24.7	-1723	-30761	SLU 30	5814	2603	17291	2.5	3.37	246	-27883	SLU 35	5814	2603	17291	2.5	23.68	Si
237	2X/2Y ø6/24.7	-1723	-30491	SLU 30	5814	2603	17291	2.5	3.37	246	-27613	SLU 35	5814	2603	17291	2.5	23.68	Si
206	2X/2Y ø6/24.7	-1723	-30582	SLU 30	5814	2603	17291	2.5	3.37	246	-27703	SLU 35	5814	2603	17291	2.5	23.68	Si
175	2X/2Y ø6/24.7	-1723	-30672	SLU 30	5814	2603	17291	2.5	3.37	246	-27793	SLU 35	5814	2603	17291	2.5	23.68	Si
113	2X/2Y ø6/24.7	-1723	-30852	SLU 30	5814	2603	17291	2.5	3.37	246	-27974	SLU 35	5814	2603	17291	2.5	23.68	Si
83	2X/2Y ø6/24.7	-1723	-30942	SLU 30	5814	2603	17291	2.5	3.37	246	-28064	SLU 35	5814	2603	17291	2.5	23.68	Si
52	2X/2Y ø6/24.7	-1723	-31033	SLU 30	5814	2603	17291	2.5	3.37	246	-28154	SLU 35	5814	2603	17291	2.5	23.68	Si
21	2X/2Y ø6/24.7	-1723	-31123	SLU 30	5814	2603	17291	2.5	3.37	246	-28244	SLU 35	5814	2603	17291	2.5	23.68	Si
-10	2X/2Y ø6/24.7	-1723	-31211	SLU 30	5814	2603	17291	2.5	3.37	246	-28333	SLU 35	5814	2603	17291	2.5	23.68	Si
780	2X/2Y ø6/24	-86	-7893	SLU 29	4137	2675	14864	2.5	47.94	596	-8378	SLU 35	4198	2675	14928	2.5	7.05	Si
750	2X/2Y ø6/24	-86	-7979	SLU 29	4148	2675	14875	2.5	48.07	596	-8464	SLU 35	4209	2675	14939	2.5	7.07	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
360	2X/2Y ø6/24.7	-4424	-15185	SLV 3	5058	2603	15817	2.5	1.14	4994	-16701	SLV 11	5250	2603	16015	2.5	1.05	Si
329	2X/2Y ø6/24.7	-4424	-15253	SLV 3	5067	2603	15826	2.5	1.15	4994	-16769	SLV 11	5258	2603	16024	2.5	1.05	Si
298	2X/2Y ø6/24.7	-4424	-15322	SLV 3	5076	2603	15835	2.5	1.15	4994	-16838	SLV 11	5267	2603	16033	2.5	1.05	Si
268	2X/2Y ø6/24.7	-4424	-15392	SLV 3	5084	2603	15844	2.5	1.15	4994	-16908	SLV 11	5276	2603	16042	2.5	1.06	Si
237	2X/2Y ø6/24.7	-4424	-15461	SLV 3	5093	2603	15853	2.5	1.15	4994	-16977	SLV 11	5285	2603	16052	2.5	1.06	Si
206	2X/2Y ø6/24.7	-4424	-15530	SLV 3	5102	2603	15862	2.5	1.15	4994	-17046	SLV 11	5294	2603	16061	2.5	1.06	Si
175	2X/2Y ø6/24.7	-4424	-15600	SLV 3	5111	2603	15871	2.5	1.16	4994	-17116	SLV 11	5302	2603	16070	2.5	1.06	Si
144	2X/2Y ø6/24.7	-4424	-15668	SLV 3	5119	2603	15880	2.5	1.16	4994	-17184	SLV 11	5311	2603	16079	2.5	1.06	Si
113	2X/2Y ø6/24.7	-4424	-15738	SLV 3	5128	2603	15890	2.5	1.16	4994	-17255	SLV 11	5320	2603	16088	2.5	1.07	Si
83	2X/2Y ø6/24.7	-4424	-15808	SLV 3	5137	2603	15899	2.5	1.16	4994	-17324	SLV 11	5329	2603	16097	2.5	1.07	Si
52	2X/2Y ø6/24.7	-4424	-15877	SLV 3	5146	2603	15908	2.5	1.16	4994	-17393	SLV 11	5337	2603	16106	2.5	1.07	Si
21	2X/2Y ø6/24.7	-4424	-15947	SLV 3	5155	2603	15917	2.5	1.17	4994	-17463	SLV 11	5346	2603	16115	2.5	1.07	Si
-10	2X/2Y ø6/24.7	-4424	-16015	SLV 3	5163	2603	15926	2.5	1.17	4994	-17531	SLV 11	5355	2603	16124	2.5	1.07	Si
780	2X/2Y ø6/24	-1072	-6968	SLV 3	4020	2675	14743	2.5	3.75	3456	-8559	SLV 11	4221	2675	14951	2.5	1.22	Si
750	2X/2Y ø6/24	-1072	-7034	SLV 3	4028	2675	14752	2.5	3.76	3456	-8625	SLV 11	4229	2675	14960	2.5	1.22	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
360	2X/2Y ø6/24.7	-2312	-19186	SLD 3	5564	2603	16340	2.5	1.81	1856	-19719	SLD 11	5631	2603	16410	2.5	3.03	Si
329	2X/2Y ø6/24.7	-2312	-19254	SLD 3	5572	2603	16349	2.5	1.81	1856	-19787	SLD 11	5640	2603	16419	2.5	3.04	Si
298	2X/2Y ø6/24.7	-2312	-19324	SLD 3	5581	2603	16358	2.5	1.81	1856	-19856	SLD 11	5649	2603	16428	2.5	3.04	Si
268	2X/2Y ø6/24.7	-2312	-19393	SLD 3	5590	2603	16367	2.5	1.82	1856	-19926	SLD 11	5657	2603	16437	2.5	3.05	Si
237	2X/2Y ø6/24.7	-2312	-19462	SLD 3	5599	2603	16376	2.5	1.82	1856	-19995	SLD 11	5666	2603	16446	2.5	3.05	Si
206	2X/2Y ø6/24.7	-2312	-19532	SLD 3	5608	2603	16385	2.5	1.83	1856	-20064	SLD 11	5675	2603	16455	2.5	3.06	Si
175	2X/2Y ø6/24.7	-2312	-19601	SLD 3	5616	2603	16395	2.5	1.83	1856	-20134	SLD 11	5684	2603	16464	2.5	3.06	Si
144	2X/2Y ø6/24.7	-2312	-19670	SLD 3	5625	2603	16404	2.5	1.83	1856	-20203	SLD 11	5692	2603	16473	2.5	3.07	Si
113	2X/2Y ø6/24.7	-2312	-19740	SLD 3	5634	2603	16413	2.5	1.84	1856	-20273	SLD 11	5701	2603	16482	2.5	3.07	Si
83	2X/2Y ø6/24.7	-2312	-19809	SLD 3	5643	2603	16422	2.5	1.84	1856	-20342	SLD 11	5710	2603	16491	2.5	3.08	Si
52	2X/2Y ø6/24.7	-2312	-19879	SLD 3	5651	2603	16431	2.5	1.84	1856	-20411	SLD 11	5719	2603	16500	2.5	3.08	Si
21	2X/2Y ø6/24.7	-2312	-19948	SLD 3	5660	2603	16440	2.5	1.85	1856	-20481	SLD 11	5727	2603	16509	2.5	3.09	Si
-10	2X/2Y ø6/24.7	-2312	-20016	SLD 3	5669	2603	16449	2.5	1.85	1856	-20549	SLD 11	5736	2603	16518	2.5	3.09	Si
780	2X/2Y ø6/24	-413	-6313	SLD 3	3937	2675	14658	2.5	9.54	1475	-6871	SLD 11	4008	2675	14731	2.5	2.72	Si
750	2X/2Y ø6/24	-413	-6379	SLD 3	3946	2675	14666	2.5	9.56	1475	-6938	SLD 11	4016	2675	14739	2.5	2.72	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
360	1.047	796	1.047	0.38	1.045	SLV 11	Si
329	1.049	799	1.048	0.381	1.047	SLV 11	Si
298	1.051	803	1.051	0.382	1.049	SLV 11	Si
268	1.053	806	1.052	0.382	1.05	SLV 11	Si
237	1.053	806	1.052	0.382	1.05	SLV 11	Si
206	1.055	810	1.054	0.383	1.052	SLV 11	Si
175	1.057	814	1.056	0.384	1.054	SLV 11	Si
144	1.059	817	1.058	0.384	1.056	SLV 11	Si
113	1.061	821	1.06	0.385	1.058	SLV 11	Si
83	1.063	825	1.062	0.386	1.06	SLV 11	Si
52	1.063	825	1.062	0.386	1.06	SLV 11	Si
21	1.064	829	1.064	0.386	1.062	SLV 11	Si
-10	1.066	832	1.066	0.387	1.064	SLV 11	Si
780	1.271	1308	1.283	0.458	1.257	SLV 5	Si
750	1.273	1313	1.285	0.458	1.259	SLV 5	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
360	2.98	905	2.776	0.4	2.835	SLD 11	Si
329	2.986	909	2.781	0.401	2.841	SLD 11	Si
298	2.992	914	2.787	0.402	2.847	SLD 11	Si
268	2.998	918	2.792	0.403	2.852	SLD 11	Si
237	2.998	918	2.792	0.403	2.852	SLD 11	Si
206	3.004	923	2.799	0.403	2.858	SLD 11	Si
175	3.01	927	2.804	0.404	2.863	SLD 11	Si
144	3.016	931	2.809	0.405	2.868	SLD 11	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
113	3.019	933	2.811	0.405	2.87	SLD 11	Si
83	3.021	935	2.814	0.405	2.873	SLD 11	Si
52	3.027	940	2.82	0.406	2.879	SLD 11	Si
21	3.033	945	2.826	0.407	2.884	SLD 11	Si
-10	3.039	949	2.831	0.408	2.89	SLD 11	Si
780	3.619	1509	3.424	0.481	3.412	SLD 5	Si
750	3.625	1516	3.43	0.482	3.417	SLD 5	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 49A

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3	-447448	-401579	-10016	-862914	-774455	SLU 30	1.929	Si
-500	18.1	1.8	0	1,2	-538536	-432678	-22244	-1083253	-870322	SLU 30	2.011	Si
350	18.1	0.9	0	3	406711	317500	-7664	869253	678585	SLU 29	2.137	Si
-470	18.1	1.8	0	1,2	-467917	-387759	-22050	-1096133	-908357	SLU 30	2.343	Si
20	18.1	1.8	0	2,3	-378222	-343205	-9824	-894170	-811387	SLU 30	2.364	Si
320	18.1	0.9	0	3	336055	259094	-7847	928916	716182	SLU 30	2.764	Si
-440	18.1	1.8	0	1,2	-396101	-342080	-21852	-1110595	-959129	SLU 30	2.804	Si
-80	18.1	0.9	0	2	464489	205313	-19486	1382749	611200	SLU 30	2.977	Si
50	18.1	1.8	0	2,3	-305965	-282277	-9624	-939717	-866962	SLU 30	3.071	Si
-410	18.1	0.9	0	2	-324286	-296400	-21655	-1123111	-1026535	SLU 30	3.463	Si
-110	18.1	0.9	0	2	393871	160395	-19680	1500887	611201	SLU 30	3.811	Si
290	18.1	0.9	0	3	264720	198942	-8044	1018812	765657	SLU 30	3.849	Si
80	18.1	0.9	0	3	-234630	-222125	-9426	-977646	-925540	SLU 30	4.167	Si
-380	18.1	0.9	0	2	-252470	-250721	-21457	-1122617	-1114840	SLU 30	4.447	Si
-140	18.1	0.9	0	2	322055	114715	-19878	1616638	575842	SLU 30	5.02	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	2,3	-572719	-2405225	409	-162856	-683941	SLV 15	0.284				No
20	18.1	1.8	0	2,3	-485604	-2059942	557	-160958	-682787	SLV 15	0.331				No
350	18.1	0.9	0	3	499284	1853177	2227	180941	671594	SLV 15	0.362				No
50	18.1	1.8	0	2,3	-394642	-1699561	711	-158150	-681089	SLV 15	0.401				No
320	18.1	0.9	0	3	410918	1503306	2077	183003	669499	SLV 15	0.445				No
80	18.1	0.9	0	3	-304777	-1343797	862	-153894	-678536	SLV 15	0.505				No
290	18.1	0.9	0	3	320935	1147521	1926	186290	666090	SLV 15	0.58				No
110	18.1	0.9	0	3	255045	-930045	5568	170258	-620863	SLV 13	0.668				No
260	18.1	0.9	0	3	230649	791769	1774	192182	659718	SLV 15	0.833				No
-500	18.1	1.8	0	1,2	-854083	-387932	-2999	-723822	-328766	SLV 15	0.847				No
-80	18.1	0.9	0	2	598044	-188175	7638	559200	-175953	SLV 13	0.935				No
-470	18.1	1.8	0	1,2	-746481	-350868	-2850	-726921	-341675	SLV 15	0.974				No
140	18.1	0.9	0	3	175789	-601048	5720	171809	-587438	SLV 13	0.977				No
-110	18.1	0.9	0	2	508986	-177346	7489	543293	-189300	SLV 13	1.067				Si
-440	18.1	1.8	0	1,2	-637062	-312010	-2698	-731385	-358206	SLV 15	1.148				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3	-417608	-1222590	-3757	-247001	-723120	SLD 15	0.591	No
20	18.1	1.8	0	2,3	-353604	-1046841	-3609	-245958	-728157	SLD 15	0.696	No
350	18.1	0.9	0	3	370653	944893	-1939	278070	708874	SLD 15	0.75	No
50	18.1	1.8	0	2,3	-286783	-863407	-3455	-244376	-735733	SLD 15	0.852	No
320	18.1	0.9	0	3	305757	766809	-2089	285914	717045	SLD 15	0.935	No
80	18.1	0.9	0	3	-220787	-682320	-3304	-241880	-747507	SLD 15	1.096	Si
290	18.1	0.9	0	3	239708	585713	-2240	298993	730572	SLD 15	1.247	Si
110	18.1	0.9	0	3	53172	-475573	-1137	80205	-717358	SLD 13	1.508	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	1.8	0	1,2	-580221	-338026	-10031	-909424	-529814	SLD 15	1.567	Si
-470	18.1	1.8	0	1,2	-506007	-304401	-9882	-938350	-564487	SLD 15	1.854	Si
-80	18.1	0.9	0	2	440149	-4994	-4142	824320	-9352	SLD 13	1.873	Si
260	18.1	0.9	0	3	173526	404632	-2392	325251	758429	SLD 15	1.874	Si
-440	18.1	1.8	0	1,2	-430538	-269689	-9730	-974694	-610548	SLD 15	2.264	Si
-110	18.1	0.9	0	2	374141	-17426	-4291	860594	-40082	SLD 13	2.3	Si
140	18.1	0.9	0	3	44331	-306332	-985	105324	-727806	SLD 13	2.376	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.23	33	0.284	0.087	0.239	SLV 15	No
20	0.287	51	0.339	0.109	0.301	SLV 15	No
350	0.311	59	0.36	0.118	0.324	SLV 15	No
50	0.369	83	0.414	0.141	0.386	SLV 15	No
320	0.409	101	0.449	0.155	0.426	SLV 15	No
80	0.488	145	0.521	0.184	0.506	SLV 15	No
290	0.563	196	0.589	0.211	0.581	SLV 15	No
110	0.668	284	0.686	0.248	0.682	SLV 13	No
260	0.834	460	0.836	0.305	0.839	SLV 15	No
-500	0.826	451	0.829	0.303	0.832	SLV 15	No
-80	0.928	593	0.928	0.338	0.93	SLV 13	No
-470	0.971	662	0.971	0.354	0.971	SLV 15	No
140	0.979	675	0.978	0.356	0.979	SLV 13	No
-110	1.068	836	1.068	0.388	1.066	SLV 13	Si
-440	1.152	1008	1.153	0.417	1.146	SLV 15	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.52	23	0.616	0.072	0.511	SLD 15	No
20	0.648	35	0.732	0.09	0.638	SLD 15	No
350	0.701	41	0.781	0.099	0.699	SLD 15	No
50	0.834	58	0.9	0.118	0.833	SLD 15	No
320	0.924	70	0.972	0.13	0.919	SLD 15	No
80	1.104	100	1.125	0.155	1.098	SLD 15	Si
290	1.273	134	1.269	0.178	1.26	SLD 15	Si
110	1.508	192	1.47	0.209	1.484	SLD 13	Si
-500	1.867	307	1.782	0.257	1.819	SLD 15	Si
-470	2.195	437	2.06	0.299	2.117	SLD 15	Si
-80	2.099	396	1.978	0.286	2.03	SLD 13	Si
260	1.883	313	1.796	0.259	1.834	SLD 15	Si
-440	2.6	649	1.822	0.351	1.886	SLD 15	Si
-110	1.815	543	2.252	0.327	2.316	SLD 13	Si
140	2.213	444	2.073	0.301	2.133	SLD 13	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	2005	-7653	SLU 30	7381	4203	33644	2.5	3.68	2381	-7664	SLU 29	7382	4203	33645	2.5	3.1	Si
320	2X/2Y ø6/24	2005	-7847	SLU 30	7406	4203	33670	2.5	3.69	2381	-7858	SLU 29	7408	4203	33672	2.5	3.11	Si
290	2X/2Y ø6/24	2005	-8044	SLU 30	7432	4203	33697	2.5	3.71	2381	-8056	SLU 29	7434	4203	33699	2.5	3.12	Si
260	2X/2Y ø6/24	2005	-8242	SLU 30	7458	4203	33724	2.5	3.72	2381	-8253	SLU 29	7460	4203	33726	2.5	3.13	Si
230	2X/2Y ø6/24	2005	-8439	SLU 30	7485	4203	33751	2.5	3.73	2381	-8451	SLU 29	7486	4203	33753	2.5	3.14	Si
200	2X/2Y ø6/24	2005	-8637	SLU 30	7511	4203	33778	2.5	3.75	2381	-8648	SLU 29	7512	4203	33780	2.5	3.15	Si
170	2X/2Y ø6/24	2005	-8834	SLU 30	7537	4203	33805	2.5	3.76	2381	-8845	SLU 29	7538	4203	33807	2.5	3.17	Si
140	2X/2Y ø6/24	2005	-9032	SLU 30	7563	4203	33832	2.5	3.77	2381	-9043	SLU 29	7564	4203	33834	2.5	3.18	Si
110	2X/2Y ø6/24	2005	-9229	SLU 30	7589	4203	33859	2.5	3.78	2381	-9240	SLU 29	7591	4203	33861	2.5	3.19	Si
80	2X/2Y ø6/24	2005	-9426	SLU 30	7615	4203	33886	2.5	3.8	2381	-9438	SLU 29	7617	4203	33888	2.5	3.2	Si
50	2X/2Y ø6/24	2005	-9624	SLU 30	7641	4203	33913	2.5	3.81	2381	-9635	SLU 29	7643	4203	33915	2.5	3.21	Si
20	2X/2Y ø6/24	2005	-9824	SLU 30	7668	4203	33941	2.5	3.82	2381	-9835	SLU 29	7669	4203	33942	2.5	3.22	Si
-10	2X/2Y ø6/24	2005	-10016	SLU 30	7693	4203	33967	2.5	3.84	2381	-10027	SLU 29	7695	4203	33969	2.5	3.23	Si
-80	2X/2Y ø6/24.7	1524	-19503	SLU 29	8949	4082	35266	2.5	5.87	2394	-19486	SLU 30	8946	4082	35264	2.5	3.74	Si
-110	2X/2Y ø6/24.7	1524	-19697	SLU 29	8974	4082	35292	2.5	5.89	2394	-19680	SLU 30	8972	4082	35290	2.5	3.75	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	14577	4170	SLV 15	6368	4203	32596	2.5	0.44	-10832	8001	SLV 9	6368	4203	32596	2.5	0.59	No
290	2X/2Y ø6/24	14577	3869	SLV 15	6368	4203	32596	2.5	0.44	-10832	7700	SLV 9	6368	4203	32596	2.5	0.59	No
260	2X/2Y ø6/24	14577	3717	SLV 15	6368	4203	32596	2.5	0.44	-10832	7548	SLV 9	6368	4203	32596	2.5	0.59	No
230	2X/2Y ø6/24	14577	3565	SLV 15	6368	4203	32596	2.5	0.44	-10832	7396	SLV 9	6368	4203	32596	2.5	0.59	No
200	2X/2Y ø6/24	14577	3413	SLV 15	6368	4203	32596	2.5	0.44	-10832	7244	SLV 9	6368	4203	32596	2.5	0.59	No
170	2X/2Y ø6/24	14577	3261	SLV 15	6368	4203	32596	2.5	0.44	-10832	7093	SLV 9	6368	4203	32596	2.5	0.59	No
140	2X/2Y ø6/24	14577	3109	SLV 15	6368	4203	32596	2.5	0.44	-10832	6941	SLV 9	6368	4203	32596	2.5	0.59	No
110	2X/2Y ø6/24	14577	2957	SLV 15	6368	4203	32596	2.5	0.44	-10832	6789	SLV 9	6368	4203	32596	2.5	0.59	No
80	2X/2Y ø6/24	14577	2805	SLV 15	6368	4203	32596	2.5	0.44	-10832	6637	SLV 9	6368	4203	32596	2.5	0.59	No
320	2X/2Y ø6/24	14577	4020	SLV 15	6368	4203	32596	2.5	0.44	-10832	7852	SLV 9	6368	4203	32596	2.5	0.59	No
50	2X/2Y ø6/24	14577	2654	SLV 15	6368	4203	32596	2.5	0.44	-10832	6485	SLV 9	6368	4203	32596	2.5	0.59	No
20	2X/2Y ø6/24	14577	2500	SLV 15	6368	4203	32596	2.5	0.44	-10832	6331	SLV 9	6368	4203	32596	2.5	0.59	No
-10	2X/2Y ø6/24	14577	2352	SLV 15	6368	4203	32596	2.5	0.44	-10832	6184	SLV 9	6368	4203	32596	2.5	0.59	No
-410	2X/2Y ø6/24.7	4106	-26666	SLV 11	9897	4082	36246	2.5	1.81	4176	734	SLV 15	6368	4082	32596	2.5	1.52	Si
-110	2X/2Y ø6/24.7	4106	-25147	SLV 11	9696	4082	36038	2.5	2.36	4176	2253	SLV 15	6368	4082	32596	2.5	1.52	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	6037	-1939	SLD 15	6624	4203	32861	2.5	1.1	5923	-9898	SLD 7	7678	4203	33951	2.5	1.3	Si
320	2X/2Y ø6/24	6037	-2089	SLD 15	6644	4203	32882	2.5	1.1	5923	-10048	SLD 7	7697	4203	33971	2.5	1.3	Si
290	2X/2Y ø6/24	6037	-2240	SLD 15	6664	4203	32903	2.5	1.1	5923	-10200	SLD 7	7718	4203	33992	2.5	1.3	Si
260	2X/2Y ø6/24	6037	-2392	SLD 15	6684	4203	32923	2.5	1.11	5923	-10351	SLD 7	7738	4203	34013	2.5	1.31	Si
230	2X/2Y ø6/24	6037	-2544	SLD 15	6704	4203	32944	2.5	1.11	5923	-10503	SLD 7	7758	4203	34034	2.5	1.31	Si
200	2X/2Y ø6/24	6037	-2696	SLD 15	6725	4203	32965	2.5	1.11	5923	-10655	SLD 7	7778	4203	34055	2.5	1.31	Si
170	2X/2Y ø6/24	6037	-2848	SLD 15	6745	4203	32986	2.5	1.12	5923	-10807	SLD 7	7798	4203	34075	2.5	1.32	Si
140	2X/2Y ø6/24	6037	-3000	SLD 15	6765	4203	33007	2.5	1.12	5923	-10959	SLD 7	7818	4203	34096	2.5	1.32	Si
110	2X/2Y ø6/24	6037	-3152	SLD 15	6785	4203	33027	2.5	1.12	5923	-11111	SLD 7	7838	4203	34117	2.5	1.32	Si
80	2X/2Y ø6/24	6037	-3304	SLD 15	6805	4203	33048	2.5	1.13	5923	-11263	SLD 7	7858	4203	34138	2.5	1.33	Si
50	2X/2Y ø6/24	6037	-3455	SLD 15	6825	4203	33069	2.5	1.13	5923	-11415	SLD 7	7878	4203	34159	2.5	1.33	Si
20	2X/2Y ø6/24	6037	-3609	SLD 15	6845	4203	33090	2.5	1.13	5923	-11568	SLD 7	7899	4203	34180	2.5	1.33	Si
-10	2X/2Y ø6/24	6037	-3757	SLD 15	6865	4203	33110	2.5	1.14	5923	-11716	SLD 7	7918	4203	34200	2.5	1.34	Si
-80	2X/2Y ø6/24.7	2292	-22013	SLD 7	9281	4082	35609	2.5	4.05	2516	-7910	SLD 15	7415	4082	33679	2.5	2.95	Si
-110	2X/2Y ø6/24.7	2292	-22162	SLD 7	9301	4082	35630	2.5	4.06	2516	-8060	SLD 15	7434	4082	33699	2.5	2.95	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.392	93	0.434	0.149	0.409	SLV 15	No
290	0.395	94	0.436	0.15	0.411	SLV 15	No
260	0.396	95	0.438	0.15	0.413	SLV 15	No
230	0.397	96	0.44	0.151	0.415	SLV 15	No
200	0.399	96	0.44	0.151	0.415	SLV 15	No
170	0.4	97	0.442	0.152	0.417	SLV 15	No
140	0.401	98	0.443	0.153	0.42	SLV 15	No
110	0.403	98	0.443	0.153	0.42	SLV 15	No
80	0.404	99	0.445	0.153	0.422	SLV 15	No
320	0.394	94	0.436	0.15	0.411	SLV 15	No
50	0.406	100	0.447	0.154	0.424	SLV 15	No
20	0.407	100	0.447	0.154	0.424	SLV 15	No
-10	0.408	101	0.449	0.155	0.426	SLV 15	No
-410	1.855	2474	1.666	0.573	1.575	SLV 15	Si
-110	1.855	2474	1.666	0.573	1.575	SLV 15	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.117	103	1.139	0.157	1.11	SLD 15	Si
320	1.121	104	1.143	0.157	1.115	SLD 15	Si
290	1.125	105	1.148	0.158	1.121	SLD 15	Si
260	1.129	105	1.148	0.158	1.121	SLD 15	Si
230	1.133	106	1.152	0.159	1.127	SLD 15	Si
200	1.137	107	1.157	0.16	1.133	SLD 15	Si
170	1.141	107	1.157	0.16	1.133	SLD 15	Si
140	1.145	109	1.166	0.161	1.139	SLD 15	Si
110	1.148	109	1.166	0.161	1.139	SLD 15	Si
80	1.152	110	1.17	0.162	1.145	SLD 15	Si
50	1.156	111	1.174	0.162	1.15	SLD 15	Si
20	1.16	111	1.174	0.162	1.15	SLD 15	Si
-10	1.164	112	1.179	0.163	1.156	SLD 15	Si
-80	5.293	2474	4.193	0.603	4.276	SLD 15	Si
-110	5.293	2474	4.193	0.603	4.276	SLD 15	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 49B

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	1.8	0	1,2	242835	-110074	-72245	755262	-342350	SLU 29	3.11	Si
-470	18.1	1.8	0	1,2	223504	-98530	-72068	702813	-309830	SLU 30	3.145	Si
-440	18.1	1.8	0	1,2	204233	-87737	-71870	643979	-276648	SLU 30	3.153	Si
-410	18.1	0.9	0	2	184962	-76943	-71673	584822	-243283	SLU 30	3.162	Si
-380	18.1	0.9	0	2	165691	-66150	-71475	525337	-209734	SLU 30	3.171	Si
-350	18.1	0.9	0	2	146420	-55357	-71278	465523	-175999	SLU 30	3.179	Si
-320	18.1	0.9	0	2	127149	-44563	-71080	405377	-142076	SLU 30	3.188	Si
-290	18.1	0.9	0	2	107878	-33770	-70883	344895	-107964	SLU 30	3.197	Si
-260	18.1	0.9	0	2	88608	-22976	-70686	284076	-73662	SLU 30	3.206	Si
-230	18.1	0.9	0	2	69337	-12183	-70488	222916	-39168	SLU 30	3.215	Si
-200	18.1	0.9	0	2	50376	-1564	-70294	162407	-5041	SLU 30	3.224	Si
-170	18.1	0.9	0	2	30795	9404	-70093	99562	30403	SLU 30	3.233	Si
-140	18.1	0.9	0	2	11524	20197	-69896	37363	65484	SLU 30	3.242	Si
-110	18.1	0.9	0	2	-7747	30991	-69698	-25189	100763	SLU 30	3.251	Si
-80	18.1	0.9	0	2	-26697	41604	-69504	-87045	135650	SLU 30	3.26	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	2,3	-462169	-2964774	-20972	-122107	-783305	SLV 15	0.264				No
20	18.1	1.8	0	2,3	-395436	-2537267	-20824	-124884	-801302	SLV 15	0.316				No
350	18.1	0.9	0	3	795797	2307130	-19154	275409	798451	SLV 15	0.346				No
50	18.1	1.8	0	2,3	-325773	-2091052	-20670	-129231	-829498	SLV 15	0.397				No
320	18.1	0.9	0	3	647624	1873943	-19304	287185	830990	SLV 15	0.443				No
80	18.1	0.9	0	3	-256981	-1650528	-20519	-136430	-876254	SLV 15	0.531				No
290	18.1	0.9	0	3	496960	1433420	-19455	308224	889034	SLV 15	0.62				No
110	18.1	0.9	0	3	-188154	-1210018	-20367	-150930	-970631	SLV 15	0.802				No
260	18.1	0.9	0	3	346345	992913	-19607	353185	1012521	SLV 15	1.02				Si
140	18.1	0.9	0	3	-119226	-769551	-20215	-189728	-1224612	SLV 15	1.591				Si
-500	18.1	1.8	0	1,2	687940	479009	-55635	1332907	928096	SLV 5	1.938				Si
-470	18.1	1.8	0	1,2	616627	415911	-55485	1355729	914429	SLV 5	2.199				Si
230	18.1	0.9	0	3	195893	552455	-19759	480999	1356507	SLV 15	1.855				Si
-440	18.1	1.8	0	1,2	544107	351744	-55333	1366684	883508	SLV 5	2.512				Si
-410	18.1	0.9	0	2	471589	287581	-55182	1337618	815696	SLV 5	2.836				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3	-193880	-1427761	-22278	-128048	-942965	SLD 15	0.66	No
20	18.1	1.8	0	2,3	-165729	-1221964	-22130	-135927	-1002226	SLD 15	0.82	No
350	18.1	0.9	0	3	345738	1110066	-20460	309134	992541	SLD 15	0.894	No
50	18.1	1.8	0	2,3	-136342	-1007162	-21977	-149052	-1101046	SLD 15	1.093	Si
320	18.1	0.9	0	3	281574	901534	-20610	340711	1090874	SLD 15	1.21	Si
80	18.1	0.9	0	3	-107323	-795098	-21825	-170967	-1266604	SLD 15	1.593	Si
290	18.1	0.9	0	3	216333	689471	-20762	395738	1261252	SLD 15	1.829	Si
110	18.1	0.9	0	3	193381	-559619	-22097	495367	-1433527	SLD 13	2.562	Si
260	18.1	0.9	0	3	151113	477415	-20913	485389	1533505	SLD 15	3.212	Si
-500	18.1	1.8	0	1,2	399669	170032	-52998	1320122	561622	SLD 5	3.303	Si
-470	18.1	1.8	0	1,2	360755	146169	-52849	1251345	507015	SLD 5	3.469	Si
-440	18.1	1.8	0	1,2	321181	121903	-52697	1171205	444525	SLD 5	3.647	Si
-410	18.1	0.9	0	2	267626	71429	-54383	1021391	272608	SLD 1	3.816	Si
-380	18.1	0.9	0	2	227577	55539	-54231	907568	221486	SLD 1	3.988	Si
-350	18.1	0.9	0	2	187534	39659	-54079	781352	165238	SLD 1	4.166	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.315	61	0.365	0.12	0.33	SLV 15	No
20	0.379	87	0.422	0.144	0.395	SLV 15	No
350	0.404	99	0.445	0.153	0.422	SLV 15	No
50	0.473	136	0.507	0.179	0.491	SLV 15	No
320	0.513	161	0.544	0.193	0.53	SLV 15	No
80	0.614	236	0.636	0.229	0.629	SLV 15	No
290	0.688	302	0.704	0.255	0.701	SLV 15	No
110	0.854	485	0.854	0.312	0.858	SLV 15	No
260	1.015	737	1.014	0.369	1.014	SLV 15	Si
140	1.354	1544	1.373	0.485	1.334	SLV 15	Si
-500	1.832	2474	1.666	0.573	1.575	SLV 5	Si
-470	2.096	2474	1.666	0.573	1.575	SLV 5	Si
230	1.826	2474	1.666	0.573	1.575	SLV 15	Si
-440	1.83	2474	1.666	0.573	1.575	SLV 11	Si
-410	2.863	2474	1.666	0.573	1.575	SLV 11	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.713	42	0.788	0.1	0.708	SLD 15	No
20	0.857	61	0.919	0.121	0.857	SLD 15	No
350	0.914	69	0.966	0.129	0.911	SLD 15	No
50	1.068	94	1.097	0.15	1.061	SLD 15	Si
320	1.158	111	1.174	0.162	1.15	SLD 15	Si
80	1.387	161	1.368	0.193	1.368	SLD 15	Si
290	1.557	206	1.513	0.216	1.531	SLD 15	Si
110	1.93	330	1.836	0.265	1.876	SLD 15	Si
260	2.292	480	2.141	0.311	2.204	SLD 15	Si
-500	4.138	2160	3.966	0.546	3.872	SLD 5	Si
-470	4.732	2474	4.193	0.603	4.276	SLD 5	Si
-440	5.491	2474	4.193	0.603	4.276	SLD 11	Si
-410	6.469	2474	4.193	0.603	4.276	SLD 11	Si
-380	7.877	2474	4.193	0.603	4.276	SLD 11	Si
-350	9.657	2474	4.193	0.603	4.276	SLD 15	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	1411	-30651	SLU 30	10424	4203	36792	2.5	7.39	-166	-25494	SLU 12	9741	4203	36086	2.5	58.79	Si
320	2X/2Y ø6/24	1411	-30845	SLU 30	10450	4203	36819	2.5	7.41	-166	-25643	SLU 12	9761	4203	36106	2.5	58.91	Si
290	2X/2Y ø6/24	1411	-31043	SLU 30	10476	4203	36846	2.5	7.43	-166	-25795	SLU 12	9781	4203	36127	2.5	59.03	Si
260	2X/2Y ø6/24	1411	-31240	SLU 30	10502	4203	36873	2.5	7.44	-166	-25947	SLU 12	9801	4203	36148	2.5	59.15	Si
230	2X/2Y ø6/24	1411	-31438	SLU 30	10528	4203	36900	2.5	7.46	-166	-26099	SLU 12	9822	4203	36169	2.5	59.27	Si
200	2X/2Y ø6/24	1411	-31636	SLU 30	10554	4203	36927	2.5	7.48	-166	-26251	SLU 12	9842	4203	36190	2.5	59.4	Si
170	2X/2Y ø6/24	1411	-31833	SLU 30	10580	4203	36954	2.5	7.5	-166	-26402	SLU 12	9862	4203	36210	2.5	59.52	Si
140	2X/2Y ø6/24	1411	-32030	SLU 30	10606	4203	36981	2.5	7.52	-166	-26554	SLU 12	9882	4203	36231	2.5	59.64	Si
110	2X/2Y ø6/24	1411	-32228	SLU 30	10633	4203	37008	2.5	7.54	-166	-26706	SLU 12	9902	4203	36252	2.5	59.76	Si
80	2X/2Y ø6/24	1411	-32425	SLU 30	10659	4203	37035	2.5	7.55	-166	-26858	SLU 12	9922	4203	36273	2.5	59.88	Si
50	2X/2Y ø6/24	1411	-32622	SLU 30	10685	4203	37062	2.5	7.57	-166	-27010	SLU 12	9942	4203	36293	2.5	60	Si
20	2X/2Y ø6/24	1411	-32822	SLU 30	10711	4203	37089	2.5	7.59	-166	-27164	SLU 12	9962	4203	36315	2.5	60.13	Si
-10	2X/2Y ø6/24	1411	-33014	SLU 30	10737	4203	37115	2.5	7.61	-166	-27311	SLU 12	9982	4203	36335	2.5	60.24	Si
-440	2X/2Y ø6/24.7	364	-71853	SLU 29	12670	4082	40745	2.5	34.79	-644	-71853	SLU 29	12670	4082	40745	2.5	19.67	Si
-410	2X/2Y ø6/24.7	364	-71656	SLU 29	12670	4082	40745	2.5	34.79	-644	-71656	SLU 29	12670	4082	40745	2.5	19.67	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	18237	-18545	SLV 15	8822	4203	35135	2.5	0.48	16152	-20189	SLV 7	9040	4203	35360	2.5	0.56	No
320	2X/2Y ø6/24	18237	-18694	SLV 15	8842	4203	35155	2.5	0.48	16152	-20339	SLV 7	9059	4203	35380	2.5	0.56	No
290	2X/2Y ø6/24	18237	-18846	SLV 15	8862	4203	35176	2.5	0.49	16152	-20491	SLV 7	9079	4203	35401	2.5	0.56	No
260	2X/2Y ø6/24	18237	-18998	SLV 15	8882	4203	35197	2.5	0.49	16152	-20643	SLV 7	9099	4203	35422	2.5	0.56	No
230	2X/2Y ø6/24	18237	-19150	SLV 15	8902	4203	35217	2.5	0.49	16152	-20794	SLV 7	9120	4203	35443	2.5	0.56	No
200	2X/2Y ø6/24	18237	-19302	SLV 15	8922	4203	35238	2.5	0.49	16152	-20947	SLV 7	9140	4203	35463	2.5	0.57	No
170	2X/2Y ø6/24	18237	-19454	SLV 15	8942	4203	35259	2.5	0.49	16152	-21098	SLV 7	9160	4203	35484	2.5	0.57	No
140	2X/2Y ø6/24	18237	-19606	SLV 15	8962	4203	35280	2.5	0.49	16152	-21250	SLV 7	9180	4203	35505	2.5	0.57	No
110	2X/2Y ø6/24	18237	-19757	SLV 15	8982	4203	35301	2.5	0.49	16152	-21402	SLV 7	9200	4203	35526	2.5	0.57	No
80	2X/2Y ø6/24	18237	-19909	SLV 15	9002	4203	35321	2.5	0.49	16152	-21554	SLV 7	9220	4203	35547	2.5	0.57	No

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
50	2X/2Y ø6/24	18237	-20061	SLV 15	9023	4203	35342	2.5	0.49	16152	-21706	SLV 7	9240	4203	35567	2.5	0.57	No
20	2X/2Y ø6/24	18237	-20215	SLV 15	9043	4203	35363	2.5	0.5	16152	-21859	SLV 7	9261	4203	35588	2.5	0.57	No
-10	2X/2Y ø6/24	18237	-20362	SLV 15	9062	4203	35383	2.5	0.5	16152	-22007	SLV 7	9280	4203	35609	2.5	0.57	No
-80	2X/2Y ø6/24.7	3253	-42824	SLV 11	12035	4082	38458	2.5	3.7	-2975	-59976	SLV 1	12670	4082	40745	2.5	4.26	Si
-110	2X/2Y ø6/24.7	3253	-42973	SLV 11	12055	4082	38479	2.5	3.71	-2975	-60125	SLV 1	12670	4082	40745	2.5	4.26	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	7069	-20460	SLD 15	9075	4203	35397	2.5	1.28	-5788	-21957	SLD 9	9273	4203	35602	2.5	1.6	Si
320	2X/2Y ø6/24	7069	-20610	SLD 15	9095	4203	35417	2.5	1.29	-5788	-22106	SLD 9	9293	4203	35622	2.5	1.61	Si
290	2X/2Y ø6/24	7069	-20762	SLD 15	9115	4203	35438	2.5	1.29	-5788	-22258	SLD 9	9313	4203	35643	2.5	1.61	Si
260	2X/2Y ø6/24	7069	-20913	SLD 15	9135	4203	35459	2.5	1.29	-5788	-22410	SLD 9	9333	4203	35664	2.5	1.61	Si
230	2X/2Y ø6/24	7069	-21065	SLD 15	9155	4203	35480	2.5	1.3	-5788	-22561	SLD 9	9353	4203	35685	2.5	1.62	Si
200	2X/2Y ø6/24	7069	-21218	SLD 15	9176	4203	35501	2.5	1.3	-5788	-22714	SLD 9	9374	4203	35705	2.5	1.62	Si
170	2X/2Y ø6/24	7069	-21369	SLD 15	9196	4203	35521	2.5	1.3	-5788	-22865	SLD 9	9394	4203	35726	2.5	1.62	Si
140	2X/2Y ø6/24	7069	-21521	SLD 15	9216	4203	35542	2.5	1.3	-5788	-23017	SLD 9	9414	4203	35747	2.5	1.63	Si
110	2X/2Y ø6/24	7069	-21673	SLD 15	9236	4203	35563	2.5	1.31	-5788	-23169	SLD 9	9434	4203	35768	2.5	1.63	Si
80	2X/2Y ø6/24	7069	-21825	SLD 15	9256	4203	35584	2.5	1.31	-5788	-23321	SLD 9	9454	4203	35788	2.5	1.63	Si
50	2X/2Y ø6/24	7069	-21977	SLD 15	9276	4203	35604	2.5	1.31	-5788	-23473	SLD 9	9474	4203	35809	2.5	1.64	Si
20	2X/2Y ø6/24	7069	-22130	SLD 15	9296	4203	35626	2.5	1.32	-5788	-23627	SLD 9	9494	4203	35830	2.5	1.64	Si
-10	2X/2Y ø6/24	7069	-22278	SLD 15	9316	4203	35646	2.5	1.32	-5788	-23774	SLD 9	9514	4203	35850	2.5	1.64	Si
-80	2X/2Y ø6/24.7	1303	-46691	SLD 11	12546	4082	38988	2.5	9.63	-1319	-50877	SLD 5	13100	4082	39561	2.5	9.93	Si
-110	2X/2Y ø6/24.7	1303	-46840	SLD 11	12566	4082	39008	2.5	9.65	-1319	-51026	SLD 5	13120	4082	39581	2.5	9.95	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.465	131	0.5	0.175	0.482	SLV 15	No
320	0.467	132	0.501	0.176	0.484	SLV 15	No
290	0.468	133	0.503	0.177	0.486	SLV 15	No
260	0.469	133	0.503	0.177	0.486	SLV 15	No
230	0.47	134	0.504	0.177	0.487	SLV 15	No
200	0.471	135	0.506	0.178	0.489	SLV 15	No
170	0.472	135	0.506	0.178	0.489	SLV 15	No
140	0.473	136	0.507	0.179	0.491	SLV 15	No
110	0.475	137	0.509	0.179	0.492	SLV 15	No
80	0.476	137	0.509	0.179	0.492	SLV 15	No
50	0.477	138	0.51	0.18	0.494	SLV 15	No
20	0.478	139	0.512	0.18	0.496	SLV 15	No
-10	0.479	139	0.512	0.18	0.496	SLV 15	No
-80	3.309	2474	1.666	0.573	1.575	SLV 15	Si
-110	3.314	2474	1.666	0.573	1.575	SLV 15	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.324	146	1.314	0.185	1.308	SLD 15	Si
320	1.328	147	1.318	0.185	1.313	SLD 15	Si
290	1.332	148	1.321	0.186	1.318	SLD 15	Si
260	1.334	148	1.321	0.186	1.318	SLD 15	Si
230	1.338	149	1.325	0.187	1.323	SLD 15	Si
200	1.34	150	1.329	0.187	1.327	SLD 15	Si
170	1.344	150	1.329	0.187	1.327	SLD 15	Si
140	1.348	151	1.332	0.188	1.332	SLD 15	Si
110	1.352	153	1.34	0.189	1.337	SLD 15	Si
80	1.354	153	1.34	0.189	1.337	SLD 15	Si
50	1.357	154	1.343	0.189	1.341	SLD 15	Si
20	1.359	155	1.347	0.19	1.346	SLD 15	Si
-10	1.363	155	1.347	0.19	1.346	SLD 15	Si
-80	9.423	2474	4.193	0.603	4.276	SLD 15	Si
-110	9.438	2474	4.193	0.603	4.276	SLD 15	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 49C

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.3	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	1.8	0	1,2	283567	533598	-84061	624674	1175471	SLU 30	2.203	Si
-470	18.1	1.8	0	1,2	254193	468082	-83866	589147	1084881	SLU 30	2.318	Si
-440	18.1	1.8	0	1,2	224321	401456	-83669	546886	978733	SLU 30	1.838	Si
-80	18.1	0.9	0	2	-133643	-396949	-81303	-340272	-1010681	SLU 30	2.546	Si
-410	18.1	0.9	0	2	194449	334830	-83472	498726	858774	SLU 30	2.565	Si
-110	18.1	0.9	0	2	-104269	-331433	-81497	-277806	-883041	SLU 30	2.664	Si
-380	18.1	0.9	0	2	164577	268203	-83274	443811	723256	SLU 30	2.697	Si
-350	18.1	0.9	0	2	134706	201577	-83077	367452	549865	SLU 30	2.728	Si
-320	18.1	0.9	0	2	104834	134951	-82879	286648	368998	SLU 30	2.734	Si
-290	18.1	0.9	0	2	74962	68325	-82682	205459	187267	SLU 30	2.741	Si
-260	18.1	0.9	0	2	45090	1698	-82484	123881	4666	SLU 30	2.747	Si
-230	18.1	0.9	0	2	15218	-64928	-82287	41911	-178811	SLU 30	2.754	Si
-200	18.1	0.9	0	2	-14172	-130480	-82093	-39122	-360190	SLU 30	2.761	Si
-170	18.1	0.9	0	2	-44526	-198180	-81892	-123215	-548420	SLU 30	2.767	Si
-140	18.1	0.9	0	2	-74397	-264807	-81695	-206376	-734564	SLU 30	2.774	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	2,3	-335721	3257959	-38479	-89204	865666	SLV 3	0.266				No
20	18.1	1.8	0	2,3	-289944	2783541	-38331	-94211	904451	SLV 3	0.325				No
350	18.1	0.9	0	3	227301	-2592255	-36661	80029	-912690	SLV 3	0.352				No
50	18.1	1.8	0	2,3	447512	-2017507	-20599	184939	-833755	SLV 13	0.413				No
320	18.1	0.9	0	3	-372183	1802379	-19233	-173919	842242	SLV 13	0.467				No
80	18.1	0.9	0	3	356181	-1593080	-20448	197282	-882374	SLV 13	0.554				No
290	18.1	0.9	0	3	-280869	1377952	-19384	-185029	907759	SLV 13	0.659				No
110	18.1	0.9	0	3	264724	-1168654	-20296	221970	-979913	SLV 13	0.838				No
260	18.1	0.9	0	3	-189452	953528	-19536	-210745	1060698	SLV 13	1.112				Si
-500	18.1	1.8	0	1,2	547577	961111	-73868	819310	1438059	SLV 1	1.496				Si
140	18.1	0.9	0	3	172845	-744233	-20144	283731	-1221680	SLV 13	1.642				Si
-470	18.1	1.8	0	1,2	486427	845952	-73719	825859	1436261	SLV 1	1.698				Si
-440	18.1	1.8	0	1,2	424248	728841	-73567	820820	1410137	SLV 1	1.935				Si
-80	18.1	0.9	0	2	-321626	-674607	-71747	-688602	-1444336	SLV 1	2.141				Si
-410	18.1	0.9	0	2	362079	611732	-73415	789140	1333253	SLV 1	2.179				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3	-66949	1552850	-33579	-47382	1098995	SLD 3	0.708	No
20	18.1	1.8	0	2,3	573086	1259785	-33992	510345	1121865	SLD 1	0.891	No
350	18.1	0.9	0	3	-543626	-1191857	-32322	-512639	-1123920	SLD 1	0.943	No
50	18.1	1.8	0	2,3	470294	1033955	-33838	558242	1227311	SLD 1	1.187	Si
320	18.1	0.9	0	3	-443832	-972619	-32471	-565110	-1238389	SLD 1	1.273	Si
80	18.1	0.9	0	3	368837	811002	-33686	621357	1366244	SLD 1	1.685	Si
290	18.1	0.9	0	3	-342368	-749666	-32623	-633471	-1387079	SLD 1	1.85	Si
-500	18.1	1.8	0	1,2	355319	635056	-65688	793293	1417838	SLD 1	2.233	Si
-470	18.1	1.8	0	1,2	316621	558313	-65539	768357	1354882	SLD 1	1.827	Si
110	18.1	0.9	0	3	267436	588048	-33534	676273	1487016	SLD 1	2.529	Si
-440	18.1	1.8	0	1,2	277269	480269	-65387	728804	1262390	SLD 1	2.629	Si
-80	18.1	0.9	0	2	-194628	-454991	-63567	-548302	-1281789	SLD 1	2.817	Si
-410	18.1	0.9	0	2	237922	402225	-65235	676623	1143884	SLD 1	2.844	Si
260	18.1	0.9	0	3	-240949	-526712	-32775	-690149	-1508659	SLD 1	2.864	Si
-110	18.1	0.9	0	2	-155947	-378248	-63717	-472970	-1147182	SLD 1	3.033	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.329	65	0.375	0.125	0.344	SLV 1	No
20	0.401	97	0.442	0.152	0.417	SLV 1	No
350	0.421	107	0.46	0.159	0.438	SLV 1	No
50	0.51	159	0.541	0.192	0.527	SLV 1	No
320	0.543	181	0.57	0.204	0.56	SLV 1	No
80	0.68	295	0.697	0.252	0.693	SLV 1	No
290	0.749	364	0.76	0.276	0.759	SLV 1	No
110	0.902	555	0.903	0.33	0.906	SLV 13	No
260	1.06	819	1.059	0.385	1.057	SLV 13	Si
-500	1.719	2474	1.666	0.573	1.575	SLV 1	Si
140	1.311	1417	1.326	0.471	1.294	SLV 13	Si
-470	2.061	2474	1.666	0.573	1.575	SLV 1	Si
-440	2.506	2474	1.666	0.573	1.575	SLV 1	Si
-80	2.931	2474	1.666	0.573	1.575	SLV 15	Si
-410	3.004	2474	1.666	0.573	1.575	SLV 15	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.742	46	0.818	0.104	0.737	SLD 1	No
20	0.906	68	0.961	0.128	0.904	SLD 1	No
350	0.951	74	0.995	0.134	0.948	SLD 1	No
50	1.152	110	1.17	0.162	1.145	SLD 1	Si
320	1.229	125	1.233	0.172	1.219	SLD 1	Si
80	1.537	200	1.495	0.213	1.512	SLD 1	Si
290	1.691	247	1.63	0.234	1.658	SLD 1	Si
-500	3.889	1829	3.705	0.515	3.651	SLD 1	Si
-470	4.65	2474	4.193	0.603	4.276	SLD 1	Si
110	2.037	371	1.926	0.279	1.974	SLD 13	Si
-440	5.662	2474	4.193	0.603	4.276	SLD 1	Si
-80	6.626	2474	4.193	0.603	4.276	SLD 15	Si
-410	6.79	2474	4.193	0.603	4.276	SLD 15	Si
260	2.395	532	2.233	0.324	2.297	SLD 13	Si
-110	7.31	2474	4.193	0.603	4.276	SLD 15	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-110	2X/2Y ø6/24.7	-2221	-81497	SLU 30	12670	4082	40745	2.5	5.7	-996	-81497	SLU 30	12670	4082	40745	2.5	12.72	Si

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-80	2X/2Y ø6/24.7	-2221	-81303	SLU 30	12670	4082	40745	2.5	5.7	-996	-81303	SLU 30	12670	4082	40745	2.5	12.72	Si
-140	2X/2Y ø6/24.7	-2221	-81695	SLU 30	12670	4082	40745	2.5	5.7	-996	-81695	SLU 30	12670	4082	40745	2.5	12.72	Si
-410	2X/2Y ø6/24.7	-2221	-83472	SLU 30	12670	4082	40745	2.5	5.7	-996	-83472	SLU 30	12670	4082	40745	2.5	12.72	Si
-380	2X/2Y ø6/24.7	-2221	-83274	SLU 30	12670	4082	40745	2.5	5.7	-996	-83274	SLU 30	12670	4082	40745	2.5	12.72	Si
-350	2X/2Y ø6/24.7	-2221	-83077	SLU 30	12670	4082	40745	2.5	5.7	-996	-83077	SLU 30	12670	4082	40745	2.5	12.72	Si
-320	2X/2Y ø6/24.7	-2221	-82879	SLU 30	12670	4082	40745	2.5	5.7	-996	-82879	SLU 30	12670	4082	40745	2.5	12.72	Si
-290	2X/2Y ø6/24.7	-2221	-82682	SLU 30	12670	4082	40745	2.5	5.7	-996	-82682	SLU 30	12670	4082	40745	2.5	12.72	Si
-260	2X/2Y ø6/24.7	-2221	-82484	SLU 30	12670	4082	40745	2.5	5.7	-996	-82484	SLU 30	12670	4082	40745	2.5	12.72	Si
-230	2X/2Y ø6/24.7	-2221	-82287	SLU 30	12670	4082	40745	2.5	5.7	-996	-82287	SLU 30	12670	4082	40745	2.5	12.72	Si
-200	2X/2Y ø6/24.7	-2221	-82093	SLU 30	12670	4082	40745	2.5	5.7	-996	-82093	SLU 30	12670	4082	40745	2.5	12.72	Si
-170	2X/2Y ø6/24.7	-2221	-81892	SLU 30	12670	4082	40745	2.5	5.7	-996	-81892	SLU 30	12670	4082	40745	2.5	12.72	Si
-500	2X/2Y ø6/24.7	-2221	-84061	SLU 30	12670	4082	40745	2.5	5.7	-996	-84061	SLU 30	12670	4082	40745	2.5	12.72	Si
-470	2X/2Y ø6/24.7	-2221	-83866	SLU 30	12670	4082	40745	2.5	5.7	-996	-83866	SLU 30	12670	4082	40745	2.5	12.72	Si
-440	2X/2Y ø6/24.7	-2221	-83669	SLU 30	12670	4082	40745	2.5	5.7	-996	-83669	SLU 30	12670	4082	40745	2.5	12.72	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	18105	-16798	SLV 13	8591	4203	34896	2.5	0.47	17375	-21651	SLV 11	9233	4203	35560	2.5	0.53	No
320	2X/2Y ø6/24	18105	-16947	SLV 13	8610	4203	34916	2.5	0.48	17375	-21800	SLV 11	9253	4203	35580	2.5	0.53	No
290	2X/2Y ø6/24	18105	-17099	SLV 13	8631	4203	34937	2.5	0.48	17375	-21952	SLV 11	9273	4203	35601	2.5	0.53	No
260	2X/2Y ø6/24	18105	-17251	SLV 13	8651	4203	34958	2.5	0.48	17375	-22104	SLV 11	9293	4203	35622	2.5	0.53	No
230	2X/2Y ø6/24	18105	-17403	SLV 13	8671	4203	34978	2.5	0.48	17375	-22256	SLV 11	9313	4203	35643	2.5	0.54	No
200	2X/2Y ø6/24	18105	-17555	SLV 13	8691	4203	34999	2.5	0.48	17375	-22408	SLV 11	9333	4203	35664	2.5	0.54	No
170	2X/2Y ø6/24	18105	-17707	SLV 13	8711	4203	35020	2.5	0.48	17375	-22560	SLV 11	9353	4203	35684	2.5	0.54	No
140	2X/2Y ø6/24	18105	-17859	SLV 13	8731	4203	35041	2.5	0.48	17375	-22711	SLV 11	9373	4203	35705	2.5	0.54	No
110	2X/2Y ø6/24	18105	-18010	SLV 13	8751	4203	35061	2.5	0.48	17375	-22863	SLV 11	9393	4203	35726	2.5	0.54	No
80	2X/2Y ø6/24	18105	-18162	SLV 13	8771	4203	35082	2.5	0.48	17375	-23015	SLV 11	9413	4203	35747	2.5	0.54	No
50	2X/2Y ø6/24	18105	-18314	SLV 13	8791	4203	35103	2.5	0.49	17375	-23167	SLV 11	9434	4203	35767	2.5	0.54	No
20	2X/2Y ø6/24	18105	-18468	SLV 13	8812	4203	35124	2.5	0.49	17375	-23321	SLV 11	9454	4203	35788	2.5	0.54	No
-10	2X/2Y ø6/24	18105	-18615	SLV 13	8831	4203	35144	2.5	0.49	17375	-23468	SLV 11	9473	4203	35809	2.5	0.55	No
-80	2X/2Y ø6/24.7	-4511	-75562	SLV 1	12670	4082	40745	2.5	2.81	-2603	-66248	SLV 5	12670	4082	40745	2.5	4.87	Si
-110	2X/2Y ø6/24.7	-4511	-75712	SLV 1	12670	4082	40745	2.5	2.81	-2603	-66397	SLV 5	12670	4082	40745	2.5	4.87	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-7810	-31761	SLD 3	10571	4203	36944	2.5	1.35	-7095	-30057	SLD 5	10345	4203	36711	2.5	1.46	Si
320	2X/2Y ø6/24	-7810	-31910	SLD 3	10591	4203	36964	2.5	1.36	-7095	-30206	SLD 5	10365	4203	36731	2.5	1.46	Si
290	2X/2Y ø6/24	-7810	-32062	SLD 3	10611	4203	36985	2.5	1.36	-7095	-30358	SLD 5	10385	4203	36752	2.5	1.46	Si
260	2X/2Y ø6/24	-7810	-32214	SLD 3	10631	4203	37006	2.5	1.36	-7095	-30510	SLD 5	10405	4203	36773	2.5	1.47	Si
230	2X/2Y ø6/24	-7810	-32366	SLD 3	10651	4203	37027	2.5	1.36	-7095	-30662	SLD 5	10425	4203	36793	2.5	1.47	Si
200	2X/2Y ø6/24	-7810	-32518	SLD 3	10671	4203	37048	2.5	1.37	-7095	-30814	SLD 5	10446	4203	36814	2.5	1.47	Si
170	2X/2Y ø6/24	-7810	-32670	SLD 3	10691	4203	37068	2.5	1.37	-7095	-30966	SLD 5	10466	4203	36835	2.5	1.48	Si
140	2X/2Y ø6/24	-7810	-32822	SLD 3	10711	4203	37089	2.5	1.37	-7095	-31118	SLD 5	10486	4203	36856	2.5	1.48	Si
110	2X/2Y ø6/24	-7810	-32974	SLD 3	10731	4203	37110	2.5	1.37	-7095	-31270	SLD 5	10506	4203	36877	2.5	1.48	Si
80	2X/2Y ø6/24	-7810	-33125	SLD 3	10751	4203	37131	2.5	1.38	-7095	-31421	SLD 5	10526	4203	36897	2.5	1.48	Si
50	2X/2Y ø6/24	-7810	-33277	SLD 3	10771	4203	37151	2.5	1.38	-7095	-31573	SLD 5	10546	4203	36918	2.5	1.49	Si
20	2X/2Y ø6/24	-7810	-33431	SLD 3	10792	4203	37173	2.5	1.38	-7095	-31727	SLD 5	10566	4203	36939	2.5	1.49	Si
-10	2X/2Y ø6/24	-7810	-33579	SLD 3	10811	4203	37193	2.5	1.38	-7095	-31875	SLD 5	10586	4203	36959	2.5	1.49	Si
-80	2X/2Y ø6/24.7	-2602	-63567	SLD 1	14780	4082	40745	2.5	5.68	-1373	-60296	SLD 5	14347	4082	40745	2.5	10.45	Si
-110	2X/2Y ø6/24.7	-2602	-63717	SLD 1	14800	4082	40745	2.5	5.69	-1373	-60445	SLD 5	14367	4082	40745	2.5	10.46	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.507	157	0.538	0.191	0.524	SLV 3	No
320	0.508	158	0.539	0.191	0.526	SLV 3	No
290	0.51	159	0.541	0.192	0.527	SLV 3	No
260	0.511	160	0.542	0.192	0.529	SLV 3	No
230	0.512	160	0.542	0.192	0.529	SLV 3	No
200	0.513	161	0.544	0.193	0.53	SLV 3	No
170	0.514	161	0.544	0.193	0.53	SLV 3	No
140	0.515	162	0.545	0.194	0.532	SLV 3	No
110	0.516	163	0.546	0.194	0.534	SLV 3	No
80	0.518	164	0.548	0.195	0.535	SLV 3	No
50	0.519	165	0.549	0.195	0.536	SLV 3	No
20	0.52	165	0.549	0.195	0.536	SLV 3	No
-10	0.521	166	0.55	0.196	0.538	SLV 3	No
-80	2.874	2474	1.666	0.573	1.575	SLV 15	Si
-110	2.878	2474	1.666	0.573	1.575	SLV 15	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.445	175	1.415	0.201	1.423	SLD 3	Si
320	1.445	175	1.415	0.201	1.423	SLD 3	Si
290	1.449	176	1.419	0.201	1.428	SLD 3	Si
260	1.453	177	1.422	0.202	1.432	SLD 3	Si
230	1.457	178	1.425	0.203	1.436	SLD 3	Si
200	1.461	180	1.432	0.203	1.44	SLD 3	Si
170	1.463	181	1.435	0.204	1.444	SLD 3	Si
140	1.465	181	1.435	0.204	1.444	SLD 3	Si
110	1.469	182	1.438	0.204	1.448	SLD 3	Si
80	1.473	183	1.442	0.205	1.452	SLD 3	Si
50	1.477	184	1.445	0.205	1.456	SLD 3	Si
20	1.48	185	1.448	0.206	1.46	SLD 3	Si
-10	1.482	185	1.448	0.206	1.46	SLD 3	Si
-80	8.185	2474	4.193	0.603	4.276	SLD 15	Si
-110	8.192	2474	4.193	0.603	4.276	SLD 15	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 50

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.6	-17.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	-17.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	1.8	0	1,2	-344089	580499	-98904	-658204	1110429	SLU 30	1.913	Si
-80	18.1	0.9	0	2	291600	-596831	-96146	570442	-1167551	SLU 30	1.956	Si
-470	18.1	1.8	0	1,2	-299333	497608	-98710	-605760	1007009	SLU 30	2.024	Si
-110	18.1	0.9	0	2	246843	-513940	-96340	509541	-1060889	SLU 30	2.064	Si
-10	18.1	1.8	0	2,3,4,5	-379121	700600	-55351	-791917	1463431	SLU 30	2.089	Si
420	18.1	2.3	0	3,4,5,6	-315500	424312	-22520	-659386	886800	SLU 30	2.09	Si
-440	18.1	1.8	0	1,2	-253818	413313	-98512	-543711	885367	SLU 30	2.142	Si
-140	18.1	0.9	0	2	201329	-429644	-96538	438442	-935655	SLU 30	2.178	Si
-410	18.1	0.9	0	2	-208304	329017	-98315	-471448	744654	SLU 30	2.263	Si
-170	18.1	0.9	0	2	155814	-345349	-96735	357476	-792316	SLU 30	2.294	Si
-380	18.1	0.9	0	2	-162789	244721	-98117	-375988	565223	SLU 30	2.31	Si
-350	18.1	0.9	0	2	-117274	160426	-97920	-271410	371276	SLU 30	2.314	Si
-320	18.1	0.9	0	2	-71760	76130	-97722	-166410	176545	SLU 30	2.319	Si
-290	18.1	0.9	0	2	-26245	-8166	-97525	-60985	-18975	SLU 30	2.324	Si
-260	18.1	0.9	0	2	19270	-92462	-97328	44868	-215288	SLU 30	2.328	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	2,3,4,5	-3950340	97634	-33679	-809079	19997	SLV 11	0.205				No
20	18.1	1.8	0	2,3,4,5	-3382857	83897	-33532	-832785	20654	SLV 11	0.246				No
350	18.1	0.9	0	3,4,5	3047532	-71793	-31862	842474	-19847	SLV 11	0.276				No
50	18.1	1.8	0	2,3,4,5	-2790539	69560	-33378	-870467	21698	SLV 11	0.312				No
420	18.1	2.3	0	3,4,5,6	-1894843	931422	-17583	-671386	330024	SLV 7	0.354				No
320	18.1	0.9	0	3,4,5	2472507	-57875	-32011	889878	-20830	SLV 11	0.36				No
80	18.1	0.9	0	3,4,5	-2205769	55407	-33226	-934474	23473	SLV 11	0.424				No
449	18.1	2.3	0	3,4,5,6	-1614808	794605	-17468	-686596	337856	SLV 7	0.425				No
770	18.1	1.1	0	6	1514590	-734954	-16187	686006	-332884	SLV 7	0.453				No
290	18.1	0.9	0	3,4,5	1887738	-43722	-32163	980210	-22703	SLV 11	0.519				No
478	18.1	2.3	0	3,4,5,6	-1329892	655415	-17351	-709097	349467	SLV 7	0.533				No
741	18.1	1.1	0	6	1234560	-598155	-16301	711862	-344904	SLV 7	0.577				No
110	18.1	0.9	0	3,4,5	-1621004	41256	-33074	-1065438	27116	SLV 11	0.657				No
508	18.1	1.1	0	6	-1044981	516249	-17235	-745317	368207	SLV 7	0.713				No
712	18.1	1.1	0	6	903911	-88703	-10686	717266	-70387	SLV 11	0.794				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3,4,5	-1884333	323794	-36826	-1038198	178398	SLD 11	0.551	No
20	18.1	1.8	0	2,3,4,5	-1533070	888090	-39886	-1046335	606130	SLD 7	0.683	No
420	18.1	2.3	0	3,4,5,6	-952043	581487	-16943	-732776	447563	SLD 7	0.77	No
350	18.1	0.9	0	3,4,5	1386421	-764194	-38216	1083404	-597171	SLD 7	0.781	No
50	18.1	1.8	0	2,3,4,5	-1264143	735897	-39732	-1126623	655842	SLD 7	0.891	No
449	18.1	2.3	0	3,4,5,6	-811263	494847	-16828	-760221	463713	SLD 7	0.937	No
770	18.1	1.1	0	6	761952	-473617	-15547	754092	-468731	SLD 7	0.99	No
320	18.1	0.9	0	3,4,5	1125345	-616444	-38365	1186684	-650044	SLD 7	1.055	Si
478	18.1	2.3	0	3,4,5,6	-668028	406702	-16712	-798851	486348	SLD 7	1.196	Si
80	18.1	0.9	0	3,4,5	-998641	585643	-39580	-1233640	723456	SLD 7	1.235	Si
741	18.1	1.1	0	6	621174	-386985	-15662	795700	-495713	SLD 7	1.281	Si
290	18.1	0.9	0	3,4,5	859843	-466192	-38517	1314501	-712700	SLD 7	1.529	Si
508	18.1	1.1	0	6	-524796	318567	-16595	-857837	520733	SLD 7	1.635	Si
712	18.1	1.1	0	6	477943	-298855	-15778	860102	-537817	SLD 7	1.8	Si
110	18.1	0.9	0	3,4,5	-733138	435392	-39428	-1329771	789717	SLD 7	1.814	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.243	37	0.297	0.092	0.254	SLV 7	No
20	0.306	58	0.358	0.117	0.322	SLV 7	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.352	75	0.397	0.134	0.368	SLV 7	No
50	0.397	96	0.44	0.151	0.415	SLV 7	No
420	0.326	65	0.375	0.124	0.341	SLV 7	No
320	0.464	131	0.5	0.175	0.482	SLV 7	No
80	0.535	176	0.564	0.201	0.553	SLV 7	No
449	0.412	103	0.453	0.156	0.43	SLV 7	No
770	0.438	116	0.475	0.166	0.455	SLV 7	No
290	0.647	265	0.667	0.241	0.662	SLV 11	No
478	0.535	176	0.564	0.201	0.553	SLV 7	No
741	0.577	206	0.601	0.216	0.594	SLV 7	No
110	0.771	388	0.78	0.284	0.78	SLV 7	No
508	0.725	339	0.738	0.268	0.736	SLV 7	No
712	0.805	426	0.81	0.295	0.812	SLV 7	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.549	25	0.637	0.076	0.536	SLD 7	No
20	0.691	40	0.773	0.097	0.689	SLD 7	No
420	0.736	46	0.818	0.104	0.737	SLD 7	No
350	0.795	52	0.861	0.112	0.791	SLD 7	No
50	0.898	67	0.955	0.126	0.896	SLD 7	No
449	0.932	71	0.978	0.131	0.926	SLD 7	No
770	0.988	80	1.027	0.139	0.984	SLD 7	Si
320	1.049	90	1.078	0.147	1.042	SLD 7	Si
478	1.209	121	1.217	0.169	1.199	SLD 7	Si
80	1.209	121	1.217	0.169	1.199	SLD 7	Si
741	1.305	141	1.295	0.182	1.289	SLD 7	Si
290	1.463	181	1.435	0.204	1.444	SLD 11	Si
508	1.641	232	1.589	0.227	1.611	SLD 7	Si
712	1.82	290	1.741	0.251	1.775	SLD 7	Si
110	1.742	263	1.673	0.24	1.702	SLD 7	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-2332	-21365	SLU 36	7944	3526	28201	2.5	3.41	1624	-20385	SLU 29	7816	3526	28069	2.5	4.81	Si
741	2X/2Y ø6/25	-2332	-21514	SLU 36	7963	3526	28221	2.5	3.41	1624	-20534	SLU 29	7835	3526	28089	2.5	4.82	Si
712	2X/2Y ø6/25	-2332	-21666	SLU 36	7983	3526	28242	2.5	3.42	1624	-20686	SLU 29	7855	3526	28110	2.5	4.84	Si
683	2X/2Y ø6/25	-2332	-21818	SLU 36	8002	3526	28262	2.5	3.43	1624	-20837	SLU 29	7875	3526	28130	2.5	4.85	Si
653	2X/2Y ø6/25	-2332	-21969	SLU 36	8022	3526	28282	2.5	3.44	1624	-20989	SLU 29	7895	3526	28150	2.5	4.86	Si
624	2X/2Y ø6/25	-2332	-22121	SLU 36	8042	3526	28303	2.5	3.45	1624	-21141	SLU 29	7914	3526	28171	2.5	4.87	Si
595	2X/2Y ø6/25	-2332	-22273	SLU 36	8062	3526	28323	2.5	3.46	1624	-21292	SLU 29	7934	3526	28191	2.5	4.88	Si
566	2X/2Y ø6/25	-2332	-22424	SLU 36	8081	3526	28344	2.5	3.46	1624	-21444	SLU 29	7954	3526	28212	2.5	4.9	Si
537	2X/2Y ø6/25	-2332	-22576	SLU 36	8101	3526	28364	2.5	3.47	1624	-21596	SLU 29	7974	3526	28232	2.5	4.91	Si
508	2X/2Y ø6/25	-2332	-22728	SLU 36	8121	3526	28384	2.5	3.48	1624	-21747	SLU 29	7993	3526	28252	2.5	4.92	Si
478	2X/2Y ø6/25	-2332	-22879	SLU 36	8141	3526	28405	2.5	3.49	1624	-21899	SLU 29	8013	3526	28273	2.5	4.93	Si
449	2X/2Y ø6/25	-2332	-23031	SLU 36	8160	3526	28425	2.5	3.5	1624	-22051	SLU 29	8033	3526	28293	2.5	4.95	Si
420	2X/2Y ø6/25	-2332	-23180	SLU 36	8180	3526	28445	2.5	3.51	1624	-22200	SLU 29	8052	3526	28313	2.5	4.96	Si
350	2X/2Y ø6/24	-3364	-52988	SLU 30	12670	4203	39850	2.5	3.77	1921	-52988	SLU 30	12670	4203	39850	2.5	6.6	Si
320	2X/2Y ø6/24	-3364	-53182	SLU 30	12670	4203	39876	2.5	3.77	1921	-53182	SLU 30	12670	4203	39876	2.5	6.6	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	14688	-23042	SLV 13	9417	4203	35750	2.5	0.64	24238	-30395	SLV 11	10390	4203	36757	2.5	0.43	No
320	2X/2Y ø6/24	14688	-23191	SLV 13	9437	4203	35771	2.5	0.64	24238	-30544	SLV 11	10410	4203	36777	2.5	0.43	No
290	2X/2Y ø6/24	14688	-23343	SLV 13	9457	4203	35791	2.5	0.64	24238	-30696	SLV 11	10430	4203	36798	2.5	0.43	No
260	2X/2Y ø6/24	14688	-23495	SLV 13	9477	4203	35812	2.5	0.65	24238	-30848	SLV 11	10450	4203	36819	2.5	0.43	No
230	2X/2Y ø6/24	14688	-23647	SLV 13	9497	4203	35833	2.5	0.65	24238	-31000	SLV 11	10470	4203	36840	2.5	0.43	No
200	2X/2Y ø6/24	14688	-23799	SLV 13	9517	4203	35854	2.5	0.65	24238	-31152	SLV 11	10490	4203	36861	2.5	0.43	No
170	2X/2Y ø6/24	-19530	-52873	SLV 3	12670	4203	39834	2.5	0.65	24238	-31304	SLV 11	10510	4203	36881	2.5	0.43	No
140	2X/2Y ø6/24	-19530	-53025	SLV 3	12670	4203	39855	2.5	0.65	24238	-31455	SLV 11	10530	4203	36902	2.5	0.43	No
110	2X/2Y ø6/24	-19530	-53177	SLV 3	12670	4203	39876	2.5	0.65	24238	-31607	SLV 11	10550	4203	36923	2.5	0.44	No
80	2X/2Y ø6/24	-19530	-53329	SLV 3	12670	4203	39896	2.5	0.65	24238	-31759	SLV 11	10571	4203	36944	2.5	0.44	No
50	2X/2Y ø6/24	-19530	-53481	SLV 3	12670	4203	39917	2.5	0.65	24238	-31911	SLV 11	10591	4203	36964	2.5	0.44	No
20	2X/2Y ø6/24	-19530	-53635	SLV 3	12670	4203	39938	2.5	0.65	24238	-32065	SLV 11	10611	4203	36986	2.5	0.44	No
-10	2X/2Y ø6/24	-19530	-53782	SLV 3	12670	4203	39958	2.5	0.65	24238	-32212	SLV 11	10631	4203	37006	2.5	0.44	No
770	2X/2Y ø6/25	7582	-3639	SLV 13	5637	3526	25815	2.5	0.74	11439	-9265	SLV 11	6369	3526	26572	2.5	0.56	No
741	2X/2Y ø6/25	7582	-3754	SLV 13	5652	3526	25830	2.5	0.75	11439	-9379	SLV 11	6384	3526	26588	2.5	0.56	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-8430	-42581	SLD 3	12003	4203	38425	2.5	1.42	9317	-35009	SLD 11	11001	4203	37388	2.5	1.18	Si
320	2X/2Y ø6/24	-8430	-42730	SLD 3	12022	4203	38446	2.5	1.43	9317	-35158	SLD 11	11020	4203	37409	2.5	1.18	Si
290	2X/2Y ø6/24	-8430	-42882	SLD 3	12042	4203	38466	2.5	1.43	9317	-35310	SLD 11	11040	4203	37430	2.5	1.18	Si
260	2X/2Y ø6/24	-8430	-43034	SLD 3	12063	4203	38487	2.5	1.43	9317	-35462	SLD 11	11061	4203	37451	2.5	1.19	Si
230	2X/2Y ø6/24	-8430	-43186	SLD 3	12083	4203	38508	2.5	1.43	9317	-35614	SLD 11	11081	4203	37471	2.5	1.19	Si
200	2X/2Y ø6/24	-8430	-43338	SLD 3	12103	4203	38529	2.5	1.44	9317	-35766	SLD 11	11101	4203	37492	2.5	1.19	Si
170	2X/2Y ø6/24	-8430	-43489	SLD 3	12123	4203	38549	2.5	1.44	9317	-35917	SLD 11	11121	4203	37513	2.5	1.19	Si
140	2X/2Y ø6/24	-8430	-43641	SLD 3	12143	4203	38570	2.5	1.44	9317	-36069	SLD 11	11141	4203	37534	2.5	1.2	Si
110	2X/2Y ø6/24	-8430	-43793	SLD 3	12163	4203	38591	2.5	1.44	9317	-36221	SLD 11	11161	4203	37554	2.5	1.2	Si
80	2X/2Y ø6/24	-8430	-43945	SLD 3	12183	4203	38612	2.5	1.45	9317	-36373	SLD 11	11181	4203	37575	2.5	1.2	Si
50	2X/2Y ø6/24	-8430	-44097	SLD 3	12203	4203	38633	2.5	1.45	9317	-36525	SLD 11	11201	4203	37596	2.5	1.2	Si
20	2X/2Y ø6/24	-8430	-44251	SLD 3	12224	4203	38654	2.5	1.45	9317	-36679	SLD 11	11222	4203	37617	2.5	1.2	Si
-10	2X/2Y ø6/24	-8430	-44398	SLD 3	12243	4203	38674	2.5	1.45	9317	-36826	SLD 11	11241	4203	37637	2.5	1.21	Si
770	2X/2Y ø6/25	-4869	-19031	SLD 3	7640	3526	27887	2.5	1.57	4702	-13012	SLD 11	6857	3526	27077	2.5	1.46	Si
741	2X/2Y ø6/25	-4869	-19145	SLD 3	7655	3526	27902	2.5	1.57	4702	-13126	SLD 11	6871	3526	27092	2.5	1.46	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.422	108	0.462	0.16	0.44	SLV 11	No
320	0.422	108	0.462	0.16	0.44	SLV 11	No
290	0.423	108	0.462	0.16	0.44	SLV 11	No
260	0.424	109	0.463	0.161	0.442	SLV 11	No
230	0.425	109	0.463	0.161	0.442	SLV 11	No
200	0.426	110	0.465	0.161	0.444	SLV 11	No
170	0.427	110	0.465	0.161	0.444	SLV 11	No
140	0.428	111	0.467	0.162	0.445	SLV 11	No
110	0.428	111	0.467	0.162	0.445	SLV 11	No
80	0.429	111	0.467	0.162	0.445	SLV 11	No
50	0.43	112	0.468	0.163	0.447	SLV 11	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
20	0.431	112	0.468	0.163	0.447	SLV 11	No
-10	0.432	113	0.47	0.163	0.449	SLV 11	No
770	0.545	183	0.573	0.205	0.563	SLV 11	No
741	0.546	183	0.573	0.205	0.563	SLV 11	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.199	119	1.208	0.168	1.188	SLD 11	Si
320	1.203	120	1.213	0.168	1.193	SLD 11	Si
290	1.205	121	1.217	0.169	1.199	SLD 11	Si
260	1.207	121	1.217	0.169	1.199	SLD 11	Si
230	1.211	122	1.221	0.17	1.204	SLD 11	Si
200	1.211	122	1.221	0.17	1.204	SLD 11	Si
170	1.215	122	1.221	0.17	1.204	SLD 11	Si
140	1.217	123	1.225	0.171	1.209	SLD 11	Si
110	1.219	123	1.225	0.171	1.209	SLD 11	Si
80	1.223	124	1.229	0.171	1.214	SLD 11	Si
50	1.225	124	1.229	0.171	1.214	SLD 11	Si
20	1.227	124	1.229	0.171	1.214	SLD 11	Si
-10	1.229	125	1.233	0.172	1.219	SLD 11	Si
770	1.551	204	1.507	0.215	1.527	SLD 11	Si
741	1.555	204	1.507	0.215	1.527	SLD 11	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 52A

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2	35826	-301420	-20177	219236	-1844545	SLU 36	6.12	Si
320	18.1	0.9	0	2	37453	-277220	-20371	243590	-1803001	SLU 36	6.504	Si
290	18.1	0.9	0	2	39108	-252611	-20568	269127	-1738355	SLU 36	6.882	Si
260	18.1	0.9	0	2	37260	-227293	-20992	270942	-1652788	SLU 30	7.272	Si
230	18.1	0.9	0	2	39348	-202768	-21189	301246	-1552376	SLU 30	7.656	Si
200	18.1	0.9	0	2	41441	-178191	-21387	334148	-1436805	SLU 30	8.063	Si
170	18.1	0.9	0	2	43524	-153719	-21584	369498	-1304993	SLU 30	8.489	Si
140	18.1	0.9	0	2	45612	-129194	-21782	407448	-1154075	SLU 30	8.933	Si
110	18.1	0.9	0	2	47700	-104669	-21979	448272	-983649	SLU 30	9.398	Si
80	18.1	0.9	0	2	49788	-80144	-22177	491475	-791130	SLU 30	9.871	Si
-10	18.1	1.8	0	1,2	56017	-6978	-22766	557618	-69465	SLU 30	9.954	Si
20	18.1	1.8	0	1,2	53991	-30778	-22574	542010	-308977	SLU 30	10.039	Si
50	18.1	1.8	0	1,2	51876	-55619	-22374	525433	-563347	SLU 30	10.129	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
350	18.1	0.9	0	2	292719	-1620788	-13095	144258	-798760	SLV 3	0.493				No
320	18.1	0.9	0	2	272455	-1490345	-13244	148435	-811946	SLV 3	0.545				No
290	18.1	0.9	0	2	251848	-1357691	-13396	153693	-828548	SLV 3	0.61				No
260	18.1	0.9	0	2	231240	-1225037	-13548	160384	-849663	SLV 3	0.694				No
230	18.1	0.9	0	2	210631	-1092383	-13700	169186	-877439	SLV 3	0.803				No
200	18.1	0.9	0	2	189978	-959444	-13852	181312	-915678	SLV 3	0.954				No
170	18.1	0.9	0	2	169413	-827075	-14004	198939	-971222	SLV 3	1.174				Si
140	18.1	0.9	0	2	148802	-694421	-14156	226088	-1055093	SLV 3	1.519				Si
110	18.1	0.9	0	2	128190	-561767	-14308	269537	-1181194	SLV 3	2.103				Si
80	18.1	0.9	0	2	395693	-212848	-15198	1255282	-675229	SLV 7	3.172				Si
50	18.1	1.8	0	1,2	290140	-147125	-15349	1409765	-714869	SLV 7	4.859				Si
20	18.1	1.8	0	1,2	183218	-80555	-15503	1547490	-680382	SLV 7	8.446				Si
-10	18.1	1.8	0	1,2	84907	-418	-16339	1075920	-5295	SLV 11	12.672				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2	147371	-839658	-13750	168358	-959235	SLD 3	1.142	Si
320	18.1	0.9	0	2	138767	-772105	-13899	179379	-998070	SLD 3	1.293	Si
290	18.1	0.9	0	2	130018	-703406	-14051	193969	-1049388	SLD 3	1.492	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
260	18.1	0.9	0	2	121268	-634707	-14203	211912	-1109133	SLD 3	1.747	Si
230	18.1	0.9	0	2	112518	-566009	-14355	235986	-1187104	SLD 3	2.097	Si
200	18.1	0.9	0	2	103749	-497162	-14507	268877	-1288456	SLD 3	2.592	Si
170	18.1	0.9	0	2	95017	-428611	-14659	314201	-1417328	SLD 3	3.307	Si
140	18.1	0.9	0	2	288941	-204972	-15137	1217181	-863459	SLD 7	4.213	Si
110	18.1	0.9	0	2	242601	-165893	-15289	1289937	-882068	SLD 7	5.317	Si
80	18.1	0.9	0	2	196262	-126813	-15441	1371284	-886044	SLD 7	6.987	Si
50	18.1	1.8	0	1,2	149921	-87733	-15593	1401192	-819972	SLD 7	9.346	Si
20	18.1	1.8	0	1,2	102980	-48150	-15747	1208398	-565002	SLD 7	11.734	Si
-10	18.1	1.8	0	1,2	37319	7514	-16606	509278	102544	SLD 13	13.647	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.503	154	0.534	0.189	0.52	SLV 3	No
320	0.562	195	0.588	0.211	0.579	SLV 3	No
290	0.633	252	0.653	0.236	0.648	SLV 3	No
260	0.719	333	0.732	0.266	0.73	SLV 3	No
230	0.826	451	0.829	0.303	0.832	SLV 3	No
200	0.961	646	0.961	0.35	0.962	SLV 3	No
170	1.139	977	1.139	0.412	1.133	SLV 3	Si
140	1.383	1635	1.406	0.495	1.361	SLV 3	Si
110	1.736	2474	1.666	0.573	1.575	SLV 3	Si
80	2.298	2474	1.666	0.573	1.575	SLV 3	Si
50	3.326	2474	1.666	0.573	1.575	SLV 3	Si
20	5.874	2474	1.666	0.573	1.575	SLV 3	Si
-10	19.104	2474	1.666	0.573	1.575	SLV 7	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	1.137	107	1.157	0.16	1.133	SLD 3	Si
320	1.27	134	1.269	0.178	1.26	SLD 3	Si
290	1.43	172	1.405	0.199	1.411	SLD 3	Si
260	1.625	226	1.572	0.225	1.594	SLD 3	Si
230	1.865	306	1.78	0.256	1.816	SLD 3	Si
200	2.172	426	2.038	0.296	2.096	SLD 3	Si
170	2.573	633	2.398	0.347	1.861	SLD 3	Si
140	3.124	1020	2.916	0.419	2.967	SLD 3	Si
110	3.924	1874	3.742	0.52	3.683	SLD 3	Si
80	5.197	2474	4.193	0.603	4.276	SLD 3	Si
50	7.521	2474	4.193	0.603	4.276	SLD 3	Si
20	13.275	2474	4.193	0.603	4.276	SLD 3	Si
-10	43.205	2474	4.193	0.603	4.276	SLD 7	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-820	-20177	SLU 36	9038	4203	35358	2.5	11.02	-82	-17065	SLU 12	8626	4203	34932	2.5	105.23	Si
320	2X/2Y ø6/24	-820	-20371	SLU 36	9064	4203	35385	2.5	11.05	-82	-17214	SLU 12	8646	4203	34952	2.5	105.47	Si
290	2X/2Y ø6/24	-820	-20568	SLU 36	9090	4203	35412	2.5	11.08	-82	-17366	SLU 12	8666	4203	34973	2.5	105.72	Si
260	2X/2Y ø6/24	-820	-20766	SLU 36	9116	4203	35439	2.5	11.11	-82	-17518	SLU 12	8686	4203	34994	2.5	105.96	Si
230	2X/2Y ø6/24	-820	-20963	SLU 36	9142	4203	35466	2.5	11.14	-82	-17670	SLU 12	8706	4203	35015	2.5	106.21	Si
200	2X/2Y ø6/24	-820	-21161	SLU 36	9168	4203	35493	2.5	11.18	-82	-17822	SLU 12	8726	4203	35036	2.5	106.45	Si
170	2X/2Y ø6/24	-820	-21358	SLU 36	9194	4203	35520	2.5	11.21	-82	-17973	SLU 12	8746	4203	35056	2.5	106.7	Si
140	2X/2Y ø6/24	-820	-21555	SLU 36	9220	4203	35547	2.5	11.24	-82	-18125	SLU 12	8766	4203	35077	2.5	106.94	Si
110	2X/2Y ø6/24	-820	-21753	SLU 36	9246	4203	35574	2.5	11.27	-82	-18277	SLU 12	8786	4203	35098	2.5	107.19	Si
80	2X/2Y ø6/24	-820	-21950	SLU 36	9273	4203	35601	2.5	11.3	-82	-18429	SLU 12	8807	4203	35119	2.5	107.44	Si
50	2X/2Y ø6/24	-820	-22148	SLU 36	9299	4203	35628	2.5	11.34	-82	-18581	SLU 12	8827	4203	35140	2.5	107.68	Si
20	2X/2Y ø6/24	-820	-22348	SLU 36	9325	4203	35655	2.5	11.37	-82	-18735	SLU 12	8847	4203	35161	2.5	107.93	Si
-10	2X/2Y ø6/24	-820	-22539	SLU 36	9350	4203	35681	2.5	11.4	-82	-18882	SLU 12	8867	4203	35181	2.5	108.17	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-5416	-12790	SLV 3	8060	4203	34347	2.5	1.49	-4776	-13952	SLV 5	8214	4203	34506	2.5	1.72	Si
320	2X/2Y ø6/24	-5416	-12939	SLV 3	8080	4203	34367	2.5	1.49	-4776	-14101	SLV 5	8234	4203	34526	2.5	1.72	Si
290	2X/2Y ø6/24	-5416	-13091	SLV 3	8100	4203	34388	2.5	1.5	-4776	-14253	SLV 5	8254	4203	34547	2.5	1.73	Si
260	2X/2Y ø6/24	-5416	-13243	SLV 3	8120	4203	34409	2.5	1.5	-4776	-14405	SLV 5	8274	4203	34568	2.5	1.73	Si
230	2X/2Y ø6/24	-5416	-13395	SLV 3	8140	4203	34430	2.5	1.5	-4776	-14557	SLV 5	8294	4203	34589	2.5	1.74	Si
200	2X/2Y ø6/24	-5416	-13547	SLV 3	8160	4203	34450	2.5	1.51	-4776	-14709	SLV 5	8314	4203	34610	2.5	1.74	Si
170	2X/2Y ø6/24	-5416	-13698	SLV 3	8181	4203	34471	2.5	1.51	-4776	-14861	SLV 5	8334	4203	34630	2.5	1.74	Si
140	2X/2Y ø6/24	-5416	-13850	SLV 3	8201	4203	34492	2.5	1.51	-4776	-15013	SLV 5	8354	4203	34651	2.5	1.75	Si
110	2X/2Y ø6/24	-5416	-14002	SLV 3	8221	4203	34513	2.5	1.52	-4776	-15164	SLV 5	8375	4203	34672	2.5	1.75	Si
80	2X/2Y ø6/24	-5416	-14154	SLV 3	8241	4203	34534	2.5	1.52	-4776	-15316	SLV 5	8395	4203	34693	2.5	1.76	Si
50	2X/2Y ø6/24	-5416	-14306	SLV 3	8261	4203	34554	2.5	1.53	-4776	-15468	SLV 5	8415	4203	34713	2.5	1.76	Si
20	2X/2Y ø6/24	-5416	-14460	SLV 3	8281	4203	34575	2.5	1.53	-4776	-15622	SLV 5	8435	4203	34735	2.5	1.77	Si
-10	2X/2Y ø6/24	-5416	-14607	SLV 3	8301	4203	34596	2.5	1.53	-4776	-15769	SLV 5	8455	4203	34755	2.5	1.77	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-2290	-13750	SLD 3	8187	4203	34478	2.5	3.58	-1692	-14158	SLD 5	8241	4203	34534	2.5	4.87	Si
320	2X/2Y ø6/24	-2290	-13899	SLD 3	8207	4203	34499	2.5	3.58	-1692	-14307	SLD 5	8261	4203	34555	2.5	4.88	Si
290	2X/2Y ø6/24	-2290	-14051	SLD 3	8227	4203	34519	2.5	3.59	-1692	-14459	SLD 5	8281	4203	34575	2.5	4.89	Si
260	2X/2Y ø6/24	-2290	-14203	SLD 3	8247	4203	34540	2.5	3.6	-1692	-14611	SLD 5	8301	4203	34596	2.5	4.91	Si
230	2X/2Y ø6/24	-2290	-14355	SLD 3	8267	4203	34561	2.5	3.61	-1692	-14763	SLD 5	8321	4203	34617	2.5	4.92	Si
200	2X/2Y ø6/24	-2290	-14507	SLD 3	8288	4203	34582	2.5	3.62	-1692	-14915	SLD 5	8342	4203	34638	2.5	4.93	Si
170	2X/2Y ø6/24	-2290	-14659	SLD 3	8308	4203	34603	2.5	3.63	-1692	-15067	SLD 5	8362	4203	34658	2.5	4.94	Si
140	2X/2Y ø6/24	-2290	-14811	SLD 3	8328	4203	34623	2.5	3.64	-1692	-15219	SLD 5	8382	4203	34679	2.5	4.95	Si
110	2X/2Y ø6/24	-2290	-14963	SLD 3	8348	4203	34644	2.5	3.65	-1692	-15370	SLD 5	8402	4203	34700	2.5	4.97	Si
80	2X/2Y ø6/24	-2290	-15114	SLD 3	8368	4203	34665	2.5	3.65	-1692	-15522	SLD 5	8422	4203	34721	2.5	4.98	Si
50	2X/2Y ø6/24	-2290	-15266	SLD 3	8388	4203	34686	2.5	3.66	-1692	-15674	SLD 5	8442	4203	34742	2.5	4.99	Si
20	2X/2Y ø6/24	-2290	-15420	SLD 3	8408	4203	34707	2.5	3.67	-1692	-15828	SLD 5	8462	4203	34763	2.5	5	Si
-10	2X/2Y ø6/24	-2290	-15567	SLD 3	8428	4203	34727	2.5	3.68	-1692	-15975	SLD 5	8482	4203	34783	2.5	5.01	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.527	2134	1.568	0.544	1.495	SLV 3	Si
320	1.531	2148	1.573	0.545	1.499	SLV 3	Si
290	1.535	2163	1.577	0.547	1.502	SLV 3	Si
260	1.539	2178	1.582	0.548	1.506	SLV 3	Si
230	1.543	2193	1.586	0.549	1.51	SLV 3	Si
200	1.547	2208	1.59	0.551	1.513	SLV 3	Si
170	1.551	2222	1.595	0.552	1.517	SLV 3	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
140	1.555	2237	1.599	0.553	1.52	SLV 3	Si
110	1.559	2253	1.604	0.555	1.524	SLV 3	Si
80	1.563	2268	1.608	0.556	1.528	SLV 3	Si
50	1.566	2283	1.612	0.557	1.531	SLV 3	Si
20	1.57	2298	1.617	0.558	1.535	SLV 3	Si
-10	1.574	2313	1.621	0.56	1.538	SLV 3	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	4.35	2468	4.189	0.573	4.059	SLD 3	Si
320	4.363	2474	4.193	0.574	4.071	SLD 3	Si
290	4.37	2474	4.193	0.575	4.077	SLD 3	Si
260	4.384	2474	4.193	0.577	4.089	SLD 3	Si
230	4.391	2474	4.193	0.578	4.095	SLD 3	Si
200	4.404	2474	4.193	0.58	4.107	SLD 3	Si
170	4.418	2474	4.193	0.581	4.119	SLD 3	Si
140	4.432	2474	4.193	0.583	4.131	SLD 3	Si
110	4.438	2474	4.193	0.584	4.137	SLD 3	Si
80	4.452	2474	4.193	0.586	4.149	SLD 3	Si
50	4.459	2474	4.193	0.586	4.155	SLD 3	Si
20	4.473	2474	4.193	0.588	4.167	SLD 3	Si
-10	4.486	2474	4.193	0.59	4.179	SLD 3	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 53

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2,3,4	-173304	-166638	-28599	-1048375	-1008046	SLU 30	6.049	Si
320	18.1	0.9	0	2,3,4	-153369	-153166	-28793	-970931	-969643	SLU 30	6.331	Si
290	18.1	0.9	0	2,3,4	-133097	-139466	-28991	-880326	-922453	SLU 30	6.614	Si
260	18.1	0.9	0	2,3,4	-112824	-125765	-29188	-779279	-868669	SLU 30	6.907	Si
420	18.1	2.3	0	2,3,4,5	129898	113521	-12164	897566	784408	SLU 29	6.91	Si
230	18.1	0.9	0	2,3,4	-92551	-112065	-29386	-665612	-805957	SLU 30	7.192	Si
-10	18.1	1.8	0	1,2,3,4	69294	-2692	-30962	507186	-19701	SLU 30	7.319	Si
20	18.1	1.8	0	1,2,3,4	49621	-15987	-30770	365452	-117740	SLU 30	7.365	Si
50	18.1	1.8	0	1,2,3,4	29087	-29864	-30570	215620	-221381	SLU 30	7.413	Si
80	18.1	0.9	0	2,3,4	8814	-43564	-30373	65761	-325041	SLU 30	7.461	Si
200	18.1	0.9	0	2,3,4	-72234	-98336	-29583	-539354	-734245	SLU 30	7.467	Si
110	18.1	0.9	0	2,3,4	-11459	-57264	-30175	-86059	-430057	SLU 30	7.51	Si
140	18.1	0.9	0	2,3,4	-31732	-70965	-29978	-239879	-536457	SLU 30	7.56	Si
170	18.1	0.9	0	2,3,4	-52005	-84665	-29780	-395738	-644267	SLU 30	7.61	Si
449	18.1	2.3	0	2,3,4,5	116954	99880	-12015	913573	780203	SLU 29	7.811	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	2,3,4,5	-214952	1793576	-11188	-78083	651533	SLV 3	0.363				No
449	18.1	2.3	0	2,3,4,5	-202770	1534794	-11074	-87442	661858	SLV 3	0.431				No
350	18.1	0.9	0	2,3,4	-1863261	-264411	-16947	-816267	-115834	SLV 5	0.438				No
320	18.1	0.9	0	2,3,4	-1711300	-243049	-17097	-831630	-118113	SLV 5	0.486				No
770	18.1	1.1	0	5	-67972	-1356984	-9792	-33232	-663441	SLV 3	0.489				No
478	18.1	2.3	0	2,3,4,5	-190378	1271500	-10957	-101412	677309	SLV 3	0.533				No
290	18.1	0.9	0	2,3,4	-1556763	-221326	-17248	-851114	-121003	SLV 5	0.547				No
741	18.1	1.1	0	5	-79581	-1098204	-9907	-49523	-683405	SLV 3	0.622				No
260	18.1	0.9	0	2,3,4	-1402227	-199602	-17400	-876161	-124719	SLV 5	0.625				No
508	18.1	1.1	0	5	-177991	1008207	-10840	-124006	702415	SLV 3	0.697				No
230	18.1	0.9	0	2,3,4	-1247691	-177879	-17552	-909527	-129668	SLV 5	0.729				No

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
712	18.1	1.1	0	5	78987	799133	-6395	66346	671243	SLV 13	0.84				No
200	18.1	0.9	0	2,3,4	-1092822	-156109	-17704	-956312	-136609	SLV 5	0.875				No
537	18.1	1.1	0	5	-165609	744917	-10724	-166822	750369	SLV 3	1.007				Si
170	18.1	0.9	0	2,3,4	-938619	-134432	-17856	-1025261	-146842	SLV 5	1.092				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-49735	838936	-10175	-42794	721865	SLD 3	0.86	No
449	18.1	2.3	0	2,3,4,5	-49159	719004	-10061	-51059	746793	SLD 3	1.039	Si
770	18.1	1.1	0	5	-43322	-621192	-8779	-52216	-748736	SLD 3	1.205	Si
350	18.1	0.9	0	2,3,4	-883429	-186361	-18707	-1075144	-226804	SLD 5	1.217	Si
478	18.1	2.3	0	2,3,4,5	-48576	596980	-9944	-63928	785655	SLD 3	1.316	Si
320	18.1	0.9	0	2,3,4	-809069	-171304	-18856	-1129441	-239136	SLD 5	1.396	Si
741	18.1	1.1	0	5	-43644	-501260	-8894	-69858	-802337	SLD 3	1.601	Si
290	18.1	0.9	0	2,3,4	-733449	-155991	-19008	-1198031	-254798	SLD 5	1.633	Si
508	18.1	1.1	0	5	-47994	474956	-9827	-85997	851039	SLD 3	1.792	Si
260	18.1	0.9	0	2,3,4	-657829	-140678	-19160	-1284619	-274718	SLD 5	1.953	Si
712	18.1	1.1	0	5	-44099	-379237	-9011	-105506	-907306	SLD 3	2.392	Si
230	18.1	0.9	0	2,3,4	-582210	-125365	-19312	-1395173	-300418	SLD 5	2.396	Si
537	18.1	1.1	0	5	-47415	352934	-9711	-131384	977962	SLD 3	2.771	Si
200	18.1	0.9	0	2,3,4	-506427	-110020	-19464	-1525706	-331454	SLD 5	3.013	Si
170	18.1	0.9	0	2,3,4	-430971	-94740	-19616	-1664859	-365984	SLD 5	3.863	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.385	90	0.428	0.146	0.402	SLV 3	No
449	0.458	127	0.493	0.173	0.475	SLV 3	No
350	0.513	161	0.544	0.193	0.53	SLV 5	No
320	0.564	197	0.59	0.212	0.582	SLV 5	No
770	0.521	166	0.55	0.196	0.538	SLV 3	No
478	0.563	195	0.588	0.211	0.579	SLV 3	No
290	0.627	247	0.648	0.234	0.642	SLV 5	No
741	0.655	272	0.674	0.244	0.669	SLV 3	No
260	0.702	315	0.716	0.26	0.714	SLV 5	No
508	0.724	338	0.737	0.267	0.735	SLV 3	No
230	0.795	415	0.801	0.292	0.803	SLV 5	No
712	0.866	503	0.867	0.317	0.871	SLV 13	No
200	0.911	568	0.912	0.333	0.914	SLV 5	No
537	1.006	722	1.006	0.366	1.006	SLV 3	Si
170	1.061	821	1.06	0.385	1.058	SLV 5	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.871	64	0.937	0.123	0.873	SLD 3	No
449	1.035	88	1.068	0.145	1.03	SLD 3	Si
770	1.176	114	1.187	0.165	1.167	SLD 3	Si
350	1.158	111	1.174	0.162	1.15	SLD 5	Si
478	1.271	134	1.269	0.178	1.26	SLD 3	Si
320	1.275	135	1.273	0.178	1.265	SLD 5	Si
741	1.482	185	1.448	0.206	1.46	SLD 3	Si
290	1.418	168	1.392	0.197	1.398	SLD 5	Si
508	1.637	229	1.58	0.226	1.604	SLD 3	Si
260	1.588	215	1.54	0.22	1.561	SLD 5	Si
712	1.959	341	1.861	0.269	1.903	SLD 13	Si
230	1.797	282	1.721	0.248	1.755	SLD 5	Si
537	2.274	471	2.124	0.309	2.188	SLD 3	Si
200	2.058	379	1.943	0.281	1.992	SLD 5	Si
170	2.397	534	2.236	0.325	2.3	SLD 5	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-476	-10349	SLU 29	6510	3526	26718	2.5	13.68	-457	-10814	SLU 30	6571	3526	26781	2.5	14.36	Si
741	2X/2Y ø6/25	-476	-10498	SLU 29	6529	3526	26738	2.5	13.72	-457	-10963	SLU 30	6590	3526	26801	2.5	14.4	Si
712	2X/2Y ø6/25	-476	-10650	SLU 29	6549	3526	26759	2.5	13.76	-457	-11115	SLU 30	6610	3526	26821	2.5	14.45	Si
683	2X/2Y ø6/25	-476	-10801	SLU 29	6569	3526	26779	2.5	13.8	-457	-11266	SLU 30	6629	3526	26842	2.5	14.49	Si
653	2X/2Y ø6/25	-476	-10953	SLU 29	6589	3526	26799	2.5	13.85	-457	-11418	SLU 30	6649	3526	26862	2.5	14.53	Si
624	2X/2Y ø6/25	-476	-11105	SLU 29	6608	3526	26820	2.5	13.89	-457	-11570	SLU 30	6669	3526	26882	2.5	14.58	Si
595	2X/2Y ø6/25	-476	-11256	SLU 29	6628	3526	26840	2.5	13.93	-457	-11721	SLU 30	6689	3526	26903	2.5	14.62	Si
566	2X/2Y ø6/25	-476	-11408	SLU 29	6648	3526	26861	2.5	13.97	-457	-11873	SLU 30	6708	3526	26923	2.5	14.66	Si
537	2X/2Y ø6/25	-476	-11560	SLU 29	6668	3526	26881	2.5	14.01	-457	-12025	SLU 30	6728	3526	26944	2.5	14.71	Si
508	2X/2Y ø6/25	-476	-11711	SLU 29	6687	3526	26902	2.5	14.05	-457	-12176	SLU 30	6748	3526	26964	2.5	14.75	Si
478	2X/2Y ø6/25	-476	-11863	SLU 29	6707	3526	26922	2.5	14.09	-457	-12328	SLU 30	6768	3526	26985	2.5	14.79	Si
449	2X/2Y ø6/25	-476	-12015	SLU 29	6727	3526	26942	2.5	14.14	-457	-12480	SLU 30	6787	3526	27005	2.5	14.84	Si
420	2X/2Y ø6/25	-476	-12164	SLU 29	6746	3526	26962	2.5	14.18	-457	-12629	SLU 30	6807	3526	27025	2.5	14.88	Si
350	2X/2Y ø6/24	-460	-26074	SLU 35	9818	4203	36165	2.5	21.33	-678	-28341	SLU 29	10118	4203	36476	2.5	14.93	Si
320	2X/2Y ø6/24	-460	-26268	SLU 35	9844	4203	36192	2.5	21.39	-678	-28535	SLU 29	10144	4203	36502	2.5	14.97	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	10600	-5692	SLV 13	5904	3526	26091	2.5	0.56	-2625	-6466	SLV 5	6005	3526	26195	2.5	2.29	No
741	2X/2Y ø6/25	10600	-5806	SLV 13	5919	3526	26107	2.5	0.56	-2625	-6581	SLV 5	6020	3526	26211	2.5	2.29	No
712	2X/2Y ø6/25	10600	-5923	SLV 13	5934	3526	26122	2.5	0.56	-2625	-6698	SLV 5	6035	3526	26227	2.5	2.3	No
683	2X/2Y ø6/25	10600	-6040	SLV 13	5949	3526	26138	2.5	0.56	-2625	-6814	SLV 5	6050	3526	26242	2.5	2.3	No
653	2X/2Y ø6/25	10600	-6156	SLV 13	5964	3526	26154	2.5	0.56	-2625	-6931	SLV 5	6065	3526	26258	2.5	2.31	No
624	2X/2Y ø6/25	10600	-6273	SLV 13	5980	3526	26169	2.5	0.56	-2625	-7048	SLV 5	6080	3526	26274	2.5	2.32	No
595	2X/2Y ø6/25	10600	-6390	SLV 13	5995	3526	26185	2.5	0.57	-2625	-7164	SLV 5	6096	3526	26289	2.5	2.32	No
566	2X/2Y ø6/25	10600	-6506	SLV 13	6010	3526	26201	2.5	0.57	-2625	-7281	SLV 5	6111	3526	26305	2.5	2.33	No
537	2X/2Y ø6/25	10600	-6623	SLV 13	6025	3526	26217	2.5	0.57	-2625	-7398	SLV 5	6126	3526	26321	2.5	2.33	No
508	2X/2Y ø6/25	10600	-6740	SLV 13	6040	3526	26232	2.5	0.57	-2625	-7514	SLV 5	6141	3526	26337	2.5	2.34	No
478	2X/2Y ø6/25	10600	-6856	SLV 13	6056	3526	26248	2.5	0.57	-2625	-7631	SLV 5	6156	3526	26352	2.5	2.35	No
449	2X/2Y ø6/25	10600	-6973	SLV 13	6071	3526	26264	2.5	0.57	-2625	-7748	SLV 5	6172	3526	26368	2.5	2.35	No
420	2X/2Y ø6/25	10600	-7088	SLV 13	6086	3526	26279	2.5	0.57	-2625	-7862	SLV 5	6186	3526	26383	2.5	2.36	No
350	2X/2Y ø6/24	-4555	-19261	SLV 3	8917	4203	35233	2.5	1.96	-6378	-16127	SLV 5	8502	4203	34804	2.5	1.33	Si
320	2X/2Y ø6/24	-4555	-19410	SLV 3	8936	4203	35253	2.5	1.96	-6378	-16276	SLV 5	8522	4203	34824	2.5	1.34	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-4184	-8779	SLD 3	6306	3526	26507	2.5	1.51	-1117	-7447	SLD 5	6132	3526	26327	2.5	5.49	Si
741	2X/2Y ø6/25	-4184	-8894	SLD 3	6321	3526	26522	2.5	1.51	-1117	-7561	SLD 5	6147	3526	26343	2.5	5.5	Si
712	2X/2Y ø6/25	-4184	-9011	SLD 3	6336	3526	26538	2.5	1.51	-1117	-7678	SLD 5	6162	3526	26359	2.5	5.52	Si

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
683	2X/2Y ø6/25	-4184	-9127	SLD 3	6351	3526	26554	2.5	1.52	-1117	-7795	SLD 5	6178	3526	26374	2.5	5.53	Si
653	2X/2Y ø6/25	-4184	-9244	SLD 3	6366	3526	26569	2.5	1.52	-1117	-7911	SLD 5	6193	3526	26390	2.5	5.54	Si
624	2X/2Y ø6/25	-4184	-9361	SLD 3	6381	3526	26585	2.5	1.53	-1117	-8028	SLD 5	6208	3526	26406	2.5	5.56	Si
595	2X/2Y ø6/25	-4184	-9477	SLD 3	6397	3526	26601	2.5	1.53	-1117	-8145	SLD 5	6223	3526	26421	2.5	5.57	Si
566	2X/2Y ø6/25	-4184	-9594	SLD 3	6412	3526	26616	2.5	1.53	-1117	-8261	SLD 5	6238	3526	26437	2.5	5.58	Si
537	2X/2Y ø6/25	-4184	-9711	SLD 3	6427	3526	26632	2.5	1.54	-1117	-8378	SLD 5	6254	3526	26453	2.5	5.6	Si
508	2X/2Y ø6/25	-4184	-9827	SLD 3	6442	3526	26648	2.5	1.54	-1117	-8495	SLD 5	6269	3526	26468	2.5	5.61	Si
478	2X/2Y ø6/25	-4184	-9944	SLD 3	6457	3526	26664	2.5	1.54	-1117	-8611	SLD 5	6284	3526	26484	2.5	5.63	Si
449	2X/2Y ø6/25	-4184	-10061	SLD 3	6473	3526	26679	2.5	1.55	-1117	-8728	SLD 5	6299	3526	26500	2.5	5.64	Si
420	2X/2Y ø6/25	-4184	-10175	SLD 3	6487	3526	26695	2.5	1.55	-1117	-8843	SLD 5	6314	3526	26515	2.5	5.65	Si
350	2X/2Y ø6/24	-1821	-19809	SLD 3	8989	4203	35308	2.5	4.94	-2521	-18707	SLD 5	8843	4203	35157	2.5	3.51	Si
320	2X/2Y ø6/24	-1821	-19958	SLD 3	9009	4203	35328	2.5	4.95	-2521	-18856	SLD 5	8863	4203	35177	2.5	3.52	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.551	187	0.578	0.207	0.568	SLV 3	No
741	0.552	188	0.579	0.207	0.57	SLV 3	No
712	0.553	188	0.579	0.207	0.57	SLV 3	No
683	0.555	190	0.582	0.208	0.572	SLV 3	No
653	0.557	191	0.583	0.209	0.574	SLV 3	No
624	0.558	192	0.584	0.209	0.575	SLV 3	No
595	0.559	192	0.584	0.209	0.575	SLV 3	No
566	0.561	194	0.587	0.21	0.578	SLV 3	No
537	0.562	195	0.588	0.211	0.579	SLV 3	No
508	0.563	196	0.589	0.211	0.581	SLV 3	No
478	0.564	197	0.59	0.212	0.582	SLV 3	No
449	0.566	198	0.592	0.212	0.583	SLV 3	No
420	0.567	199	0.593	0.213	0.585	SLV 3	No
350	1.328	1468	1.345	0.477	1.31	SLV 5	Si
320	1.332	1480	1.35	0.478	1.314	SLV 5	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	1.566	208	1.519	0.217	1.538	SLD 3	Si
741	1.57	209	1.522	0.218	1.542	SLD 3	Si
712	1.576	212	1.531	0.219	1.55	SLD 3	Si
683	1.58	213	1.534	0.219	1.554	SLD 3	Si
653	1.584	214	1.537	0.22	1.557	SLD 3	Si
624	1.59	215	1.54	0.22	1.561	SLD 3	Si
595	1.594	216	1.543	0.221	1.565	SLD 3	Si
566	1.598	218	1.549	0.221	1.569	SLD 3	Si
537	1.602	219	1.552	0.222	1.572	SLD 3	Si
508	1.605	220	1.555	0.222	1.576	SLD 3	Si
478	1.609	221	1.557	0.223	1.58	SLD 3	Si
449	1.613	222	1.56	0.223	1.583	SLD 3	Si
420	1.617	223	1.563	0.224	1.587	SLD 3	Si
350	3.783	1699	3.594	0.502	3.558	SLD 5	Si
320	3.789	1706	3.6	0.503	3.563	SLD 5	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 54

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	99234	184739	-46014	463255	862423	SLU 36	4.668	Si
20	18.1	1.8	0	1,2,3,4	93663	168910	-45822	447743	807455	SLU 36	4.78	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
50	18.1	1.8	0	1,2,3,4	87848	152388	-45622	430244	746337	SLU 36	4.898	Si
80	18.1	0.9	0	2,3,4	82107	136077	-45425	409619	678864	SLU 36	4.989	Si
110	18.1	0.9	0	2,3,4	76366	119765	-45228	382642	600097	SLU 36	5.011	Si
140	18.1	0.9	0	2,3,4	70626	103454	-45030	355429	520640	SLU 36	5.033	Si
170	18.1	0.9	0	2,3,4	64885	87142	-44833	327977	440482	SLU 36	5.055	Si
200	18.1	0.9	0	2,3,4	59156	70866	-44636	300341	359790	SLU 36	5.077	Si
230	18.1	0.9	0	2,3,4	53403	54519	-44438	272339	278031	SLU 36	5.1	Si
260	18.1	0.9	0	2,3,4	47663	38208	-44240	244148	195717	SLU 36	5.122	Si
290	18.1	0.9	0	2,3,4	41922	21897	-44043	215705	112666	SLU 36	5.145	Si
320	18.1	0.9	0	2,3,4	36181	5585	-43845	187005	28867	SLU 36	5.169	Si
350	18.1	0.9	0	2,3,4	30536	-10454	-43651	158530	-54275	SLU 36	5.192	Si
420	18.1	2.3	0	2,3,4,5	-22540	-198524	-20521	-137951	-1215042	SLU 36	6.12	Si
449	18.1	2.3	0	2,3,4,5	-24854	-170634	-20372	-164278	-1127832	SLU 36	6.61	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	2,3,4,5	-81902	-1440737	-19041	-41857	-736315	SLV 13	0.511				No
449	18.1	2.3	0	2,3,4,5	-80104	-1230082	-18927	-49933	-766770	SLV 13	0.623				No
770	18.1	1.1	0	5	-79820	1124044	-17645	-54771	771303	SLV 13	0.686				No
478	18.1	2.3	0	2,3,4,5	-78063	-1015756	-18810	-62626	-814893	SLV 13	0.802				No
741	18.1	1.1	0	5	-81864	913395	-17760	-74382	829916	SLV 13	0.909				No
350	18.1	0.9	0	2,3,4	-125620	-804457	-5683	-122294	-783157	SLV 1	0.974				No
320	18.1	0.9	0	2,3,4	-111530	-730737	-5832	-121753	-797712	SLV 1	1.092				Si
508	18.1	1.1	0	5	-75720	-801436	-18693	-85013	-899797	SLV 13	1.123				Si
290	18.1	0.9	0	2,3,4	-97263	-655813	-5984	-121114	-816632	SLV 1	1.245				Si
712	18.1	1.1	0	5	22517	-587047	-8997	29389	-766200	SLV 3	1.305				Si
260	18.1	0.9	0	2,3,4	-83066	-580946	-6136	-120354	-841727	SLV 1	1.449				Si
230	18.1	0.9	0	2,3,4	-68949	-506156	-6288	-119410	-876587	SLV 1	1.732				Si
537	18.1	1.1	0	5	-72938	-587129	-18577	-131822	-1061121	SLV 13	1.807				Si
683	18.1	1.1	0	5	-46070	-343797	-3934	-95388	-711833	SLV 1	2.071				Si
200	18.1	0.9	0	2,3,4	-54893	-431308	-6440	-118159	-928404	SLV 1	2.153				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-45449	-712515	-16565	-57383	-899617	SLD 13	1.263	Si
449	18.1	2.3	0	2,3,4,5	-45443	-608858	-16450	-72993	-977972	SLD 13	1.606	Si
770	18.1	1.1	0	5	-54134	549523	-15169	-97270	987403	SLD 13	1.797	Si
478	18.1	2.3	0	2,3,4,5	-45344	-503395	-16333	-97922	-1087094	SLD 13	2.16	Si
741	18.1	1.1	0	5	-54249	445868	-15283	-135416	1112979	SLD 13	1.896	Si
508	18.1	1.1	0	5	-45112	-397934	-16217	-140115	-1235969	SLD 13	3.106	Si
712	18.1	1.1	0	5	-54562	340409	-15400	-203745	1271161	SLD 13	3.734	Si
350	18.1	0.9	0	2,3,4	86117	335885	-42812	355089	1384965	SLD 15	4.123	Si
320	18.1	0.9	0	2,3,4	85899	320784	-42961	360002	1344402	SLD 15	4.191	Si
290	18.1	0.9	0	2,3,4	85705	305448	-43113	365142	1301347	SLD 15	4.26	Si
260	18.1	0.9	0	2,3,4	85541	290136	-43265	370428	1256405	SLD 15	4.33	Si
230	18.1	0.9	0	2,3,4	85413	274859	-43417	375751	1209164	SLD 15	4.399	Si
200	18.1	0.9	0	2,3,4	85325	259594	-43569	381392	1160354	SLD 15	4.47	Si
170	18.1	0.9	0	2,3,4	85285	244459	-43720	387322	1110215	SLD 15	4.542	Si
140	18.1	0.9	0	2,3,4	85297	229367	-43872	393578	1058346	SLD 15	4.614	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.542	181	0.57	0.204	0.56	SLV 13	No
449	0.657	274	0.676	0.244	0.671	SLV 13	No
770	0.719	333	0.732	0.266	0.73	SLV 13	No
478	0.828	453	0.831	0.303	0.834	SLV 13	No
741	0.922	584	0.922	0.336	0.924	SLV 13	No
350	0.984	685	0.984	0.358	0.985	SLV 1	No
320	1.049	799	1.048	0.381	1.047	SLV 1	Si
508	1.1	897	1.099	0.399	1.096	SLV 13	Si
290	1.121	940	1.121	0.406	1.116	SLV 1	Si
712	1.195	1111	1.2	0.432	1.186	SLV 3	Si
260	1.202	1128	1.208	0.434	1.193	SLV 1	Si
230	1.293	1367	1.307	0.465	1.277	SLV 1	Si
537	1.449	1854	1.48	0.518	1.423	SLV 3	Si
683	1.582	2344	1.63	0.562	1.546	SLV 1	Si
200	1.396	1679	1.422	0.5	1.374	SLV 1	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	1.227	124	1.229	0.171	1.214	SLD 13	Si
449	1.486	186	1.451	0.207	1.464	SLD 13	Si
770	1.625	226	1.572	0.225	1.594	SLD 13	Si
478	1.871	308	1.785	0.257	1.822	SLD 13	Si
741	2.087	390	1.966	0.285	2.017	SLD 13	Si
508	1.885	582	2.317	0.336	2.38	SLD 13	Si
712	2.705	715	2.521	0.365	2.584	SLD 3	Si
350	2.226	450	2.085	0.303	2.145	SLD 1	Si
320	2.371	520	2.212	0.321	2.276	SLD 1	Si
290	2.535	610	2.362	0.342	1.826	SLD 1	Si
260	2.717	722	2.531	0.366	2.593	SLD 1	Si
230	2.922	863	2.723	0.393	2.783	SLD 1	Si
200	3.156	1049	2.949	0.423	2.997	SLD 1	Si
170	3.42	1299	3.22	0.456	3.234	SLD 1	Si
140	3.725	1629	3.533	0.495	3.505	SLD 1	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	973	-18706	SLU 36	7598	3562	27843	2.5	7.81	-81	-18070	SLU 35	7515	3562	27757	2.5	92.89	Si
741	2X/2Y ø6/24.8	973	-18855	SLU 36	7617	3562	27863	2.5	7.83	-81	-18219	SLU 35	7534	3562	27778	2.5	93.13	Si
712	2X/2Y ø6/24.8	973	-19007	SLU 36	7637	3562	27884	2.5	7.85	-81	-18371	SLU 35	7554	3562	27798	2.5	93.38	Si
683	2X/2Y ø6/24.8	973	-19158	SLU 36	7656	3562	27904	2.5	7.87	-81	-18523	SLU 35	7574	3562	27818	2.5	93.62	Si
653	2X/2Y ø6/24.8	973	-19310	SLU 36	7676	3562	27924	2.5	7.89	-81	-18674	SLU 35	7593	3562	27839	2.5	93.86	Si
624	2X/2Y ø6/24.8	973	-19462	SLU 36	7696	3562	27945	2.5	7.91	-81	-18826	SLU 35	7613	3562	27859	2.5	94.11	Si
595	2X/2Y ø6/24.8	973	-19613	SLU 36	7716	3562	27965	2.5	7.93	-81	-18978	SLU 35	7633	3562	27880	2.5	94.35	Si
566	2X/2Y ø6/24.8	973	-19765	SLU 36	7735	3562	27986	2.5	7.95	-81	-19129	SLU 35	7653	3562	27900	2.5	94.6	Si
537	2X/2Y ø6/24.8	973	-19917	SLU 36	7755	3562	28006	2.5	7.97	-81	-19281	SLU 35	7672	3562	27920	2.5	94.84	Si
508	2X/2Y ø6/24.8	973	-20068	SLU 36	7775	3562	28026	2.5	7.99	-81	-19433	SLU 35	7692	3562	27941	2.5	95.08	Si
478	2X/2Y ø6/24.8	973	-20220	SLU 36	7795	3562	28047	2.5	8.01	-81	-19584	SLU 35	7712	3562	27961	2.5	95.33	Si
449	2X/2Y ø6/24.8	973	-20372	SLU 36	7814	3562	28067	2.5	8.03	-81	-19736	SLU 35	7732	3562	27982	2.5	95.57	Si
420	2X/2Y ø6/24.8	973	-20521	SLU 36	7834	3562	28087	2.5	8.05	-81	-19885	SLU 35	7751	3562	28002	2.5	95.81	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-541	-38243	SLU 22	11429	4223	37831	2.5	21.13	-195	-43119	SLU 29	12074	4223	38499	2.5	61.94	Si
320	2X/2Y ø6/23.9	-541	-38438	SLU 22	11454	4223	37858	2.5	21.18	-195	-43313	SLU 29	12100	4223	38525	2.5	62.07	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-7775	-7611	SLV 3	6154	3562	26350	2.5	0.79	1035	328	SLV 5	5163	3562	25325	2.5	4.99	No
741	2X/2Y ø6/24.8	-7775	-7726	SLV 3	6169	3562	26365	2.5	0.79	1035	213	SLV 5	5163	3562	25325	2.5	4.99	No
712	2X/2Y ø6/24.8	-7775	-7842	SLV 3	6184	3562	26381	2.5	0.8	1035	97	SLV 5	5163	3562	25325	2.5	4.99	No
683	2X/2Y ø6/24.8	-7775	-7959	SLV 3	6199	3562	26396	2.5	0.8	1035	-20	SLV 5	5166	3562	25328	2.5	4.99	No
653	2X/2Y ø6/24.8	-7775	-8076	SLV 3	6214	3562	26412	2.5	0.8	1035	-137	SLV 5	5181	3562	25343	2.5	5	No
624	2X/2Y ø6/24.8	-7775	-8192	SLV 3	6229	3562	26428	2.5	0.8	1035	-253	SLV 5	5196	3562	25359	2.5	5.02	No
595	2X/2Y ø6/24.8	-7775	-8309	SLV 3	6245	3562	26444	2.5	0.8	1035	-370	SLV 5	5212	3562	25375	2.5	5.03	No
566	2X/2Y ø6/24.8	-7775	-8426	SLV 3	6260	3562	26459	2.5	0.81	1035	-487	SLV 5	5227	3562	25391	2.5	5.05	No
537	2X/2Y ø6/24.8	-7775	-8542	SLV 3	6275	3562	26475	2.5	0.81	1035	-603	SLV 5	5242	3562	25406	2.5	5.06	No
508	2X/2Y ø6/24.8	-7775	-8659	SLV 3	6290	3562	26491	2.5	0.81	1035	-720	SLV 5	5257	3562	25422	2.5	5.08	No
478	2X/2Y ø6/24.8	-7775	-8776	SLV 3	6305	3562	26506	2.5	0.81	1035	-837	SLV 5	5272	3562	25438	2.5	5.09	No
449	2X/2Y ø6/24.8	-7775	-8892	SLV 3	6321	3562	26522	2.5	0.81	1035	-953	SLV 5	5287	3562	25453	2.5	5.11	No
420	2X/2Y ø6/24.8	-7775	-9007	SLV 3	6335	3562	26537	2.5	0.81	1035	-1068	SLV 5	5302	3562	25469	2.5	5.12	No
350	2X/2Y ø6/23.9	-3052	1009	SLV 1	6368	4223	32596	2.5	2.09	-1311	7163	SLV 5	6368	4223	32596	2.5	4.86	Si
290	2X/2Y ø6/23.9	-3052	708	SLV 1	6368	4223	32596	2.5	2.09	-1311	6862	SLV 5	6368	4223	32596	2.5	4.86	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	3616	-15169	SLD 13	7137	3562	27367	2.5	1.97	-429	-17957	SLD 11	7500	3562	27742	2.5	17.46	Si
741	2X/2Y ø6/24.8	3616	-15283	SLD 13	7152	3562	27382	2.5	1.98	-429	-18072	SLD 11	7515	3562	27758	2.5	17.5	Si
712	2X/2Y ø6/24.8	3616	-15400	SLD 13	7167	3562	27398	2.5	1.98	-429	-18189	SLD 11	7530	3562	27773	2.5	17.53	Si
683	2X/2Y ø6/24.8	3616	-15517	SLD 13	7183	3562	27414	2.5	1.99	-429	-18305	SLD 11	7545	3562	27789	2.5	17.57	Si
653	2X/2Y ø6/24.8	3616	-15633	SLD 13	7198	3562	27429	2.5	1.99	-429	-18422	SLD 11	7561	3562	27805	2.5	17.6	Si
624	2X/2Y ø6/24.8	3616	-15750	SLD 13	7213	3562	27445	2.5	1.99	-429	-18539	SLD 11	7576	3562	27821	2.5	17.64	Si
595	2X/2Y ø6/24.8	3616	-15867	SLD 13	7228	3562	27461	2.5	2	-429	-18655	SLD 11	7591	3562	27836	2.5	17.68	Si
566	2X/2Y ø6/24.8	3616	-15983	SLD 13	7243	3562	27477	2.5	2	-429	-18772	SLD 11	7606	3562	27852	2.5	17.71	Si
537	2X/2Y ø6/24.8	3616	-16100	SLD 13	7258	3562	27492	2.5	2.01	-429	-18889	SLD 11	7621	3562	27868	2.5	17.75	Si
508	2X/2Y ø6/24.8	3616	-16217	SLD 13	7274	3562	27508	2.5	2.01	-429	-19005	SLD 11	7636	3562	27883	2.5	17.78	Si
478	2X/2Y ø6/24.8	3616	-16333	SLD 13	7289	3562	27524	2.5	2.02	-429	-19122	SLD 11	7652	3562	27899	2.5	17.82	Si
449	2X/2Y ø6/24.8	3616	-16450	SLD 13	7304	3562	27539	2.5	2.02	-429	-19239	SLD 11	7667	3562	27915	2.5	17.85	Si
420	2X/2Y ø6/24.8	3616	-16565	SLD 13	7319	3562	27555	2.5	2.02	-429	-19353	SLD 11	7682	3562	27930	2.5	17.89	Si
350	2X/2Y ø6/23.9	-1621	-26715	SLD 3	9903	4223	36253	2.5	6.11	-551	-17872	SLD 5	8733	4223	35042	2.5	15.83	Si
320	2X/2Y ø6/23.9	-1621	-26864	SLD 3	9923	4223	36274	2.5	6.12	-551	-18021	SLD 5	8753	4223	35063	2.5	15.87	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.809	430	0.813	0.297	0.815	SLV 13	No
741	0.811	433	0.816	0.298	0.818	SLV 13	No
712	0.813	435	0.817	0.298	0.819	SLV 13	No
683	0.814	437	0.819	0.299	0.821	SLV 13	No
653	0.816	439	0.82	0.299	0.823	SLV 13	No
624	0.818	442	0.822	0.3	0.825	SLV 13	No
595	0.82	444	0.824	0.301	0.827	SLV 13	No
566	0.822	446	0.825	0.301	0.828	SLV 13	No
537	0.824	449	0.828	0.302	0.831	SLV 13	No
508	0.826	451	0.829	0.303	0.832	SLV 13	No
478	0.828	453	0.831	0.303	0.834	SLV 13	No
449	0.83	456	0.833	0.304	0.836	SLV 13	No
420	0.832	458	0.835	0.305	0.838	SLV 13	No
350	1.938	2474	1.666	0.573	1.575	SLV 3	Si
290	1.945	2474	1.666	0.573	1.575	SLV 3	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	2.301	485	2.15	0.312	2.213	SLD 13	Si
741	2.307	487	2.153	0.313	2.217	SLD 13	Si
712	2.313	489	2.157	0.314	2.222	SLD 13	Si
683	2.318	493	2.164	0.314	2.228	SLD 13	Si
653	2.324	496	2.17	0.315	2.233	SLD 13	Si
624	2.33	499	2.175	0.316	2.239	SLD 13	Si
595	2.336	502	2.18	0.317	2.244	SLD 13	Si
566	2.342	505	2.186	0.318	2.25	SLD 13	Si
537	2.348	508	2.191	0.318	2.255	SLD 13	Si
508	2.354	510	2.194	0.319	2.259	SLD 13	Si
478	2.359	514	2.202	0.32	2.265	SLD 13	Si
449	2.365	516	2.205	0.32	2.27	SLD 13	Si
420	2.371	520	2.212	0.321	2.276	SLD 13	Si
350	5.519	2474	4.193	0.603	4.276	SLD 3	Si
320	5.532	2474	4.193	0.603	4.276	SLD 3	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 54A

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3	-159588	2161318	-26058	-64319	871085	SLU 29	0.403	No
350	18.1	0.9	0	3	138506	-1946889	-23693	62131	-873334	SLU 30	0.449	No
20	18.1	1.8	0	2,3	-135353	1828190	-25867	-67611	913218	SLU 29	0.5	No
320	18.1	0.9	0	3	114093	-1609317	-23888	65806	-928216	SLU 30	0.577	No
50	18.1	1.8	0	2,3	-110057	1480482	-25667	-73257	985459	SLU 29	0.666	No
290	18.1	0.9	0	3	89266	-1266024	-24085	72444	-1027442	SLU 30	0.812	No
80	18.1	0.9	0	3	-85083	1137204	-25469	-83802	1120087	SLU 29	0.985	No
260	18.1	0.9	0	3	64440	-922731	-24282	87054	-1246546	SLU 30	1.351	Si
110	18.1	0.9	0	3	-60109	793925	-25272	-108295	1430373	SLU 29	1.802	Si
-80	18.1	0.9	0	2	314555	-807932	-47750	612028	-1571992	SLU 30	1.946	Si
-110	18.1	0.9	0	2	265716	-753168	-47944	573669	-1626055	SLU 30	2.159	Si
-140	18.1	0.9	0	2	216050	-697476	-48142	519338	-1676584	SLU 30	1.804	Si
-170	18.1	0.9	0	2	166384	-641784	-48339	443184	-1709474	SLU 30	2.664	Si
-200	18.1	0.9	0	2	115916	-585194	-48540	338537	-1709071	SLU 30	2.921	Si
230	18.1	0.9	0	3	39613	-579437	-24480	118256	-1729788	SLU 30	2.985	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	2,3	239411	3407000	-22936	54779	779541	SLV 1	0.229				No
20	18.1	1.8	0	2,3	205302	2905033	-22789	56329	797056	SLV 1	0.274				No
350	18.1	0.9	0	3	-181100	-2783050	-21119	-51606	-793056	SLV 1	0.285				No
50	18.1	1.8	0	2,3	169698	2381100	-22635	58777	824724	SLV 1	0.346				No
320	18.1	0.9	0	3	-146534	-2274415	-21268	-52972	-822202	SLV 1	0.362				No
80	18.1	0.9	0	3	134544	1863845	-22483	62892	871244	SLV 1	0.467				No
290	18.1	0.9	0	3	-111377	-1757167	-21420	-55393	-873921	SLV 1	0.497				No
110	18.1	0.9	0	3	-489422	1339658	-22108	-344890	944040	SLV 3	0.705				No
260	18.1	0.9	0	3	-76209	-1239938	-21572	-60685	-987356	SLV 1	0.796				No
-80	18.1	0.9	0	2	614238	-829520	-22344	727259	-982154	SLV 15	1.184				Si
-110	18.1	0.9	0	2	518168	-773941	-22494	699463	-1044725	SLV 15	1.35				Si
140	18.1	0.9	0	3	-310200	829377	-21956	-429176	1147482	SLV 3	1.384				Si
-140	18.1	0.9	0	2	420474	-717419	-22646	660189	-1126424	SLV 15	1.57				Si
-500	18.1	1.8	0	1,2	-899043	-30578	-30987	-1533191	-52146	SLV 11	1.705				Si
230	18.1	0.9	0	3	227793	-707694	-21501	406533	-1262992	SLV 3	1.785				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3	53402	2305694	-20158	18824	812734	SLD 1	0.352	No
350	18.1	0.9	0	3	-33543	-1952272	-18341	-14157	-823934	SLD 1	0.422	No
20	18.1	1.8	0	2,3	46347	1960402	-20011	19813	838041	SLD 1	0.427	No
320	18.1	0.9	0	3	-26394	-1602391	-18490	-14209	-862635	SLD 1	0.538	No
50	18.1	1.8	0	2,3	38983	1599998	-19857	21422	879212	SLD 1	0.55	No
290	18.1	0.9	0	3	-19121	-1246584	-18642	-14301	-932379	SLD 1	0.748	No
80	18.1	0.9	0	3	31712	1244188	-19705	24263	951937	SLD 1	0.765	No
260	18.1	0.9	0	3	-11843	-890785	-18794	-14426	-1085046	SLD 1	1.218	Si
110	18.1	0.9	0	3	-236118	885310	-19455	-289128	1084066	SLD 3	1.225	Si
-80	18.1	0.9	0	2	390014	-669817	-28138	732583	-1258149	SLD 15	1.878	Si
-110	18.1	0.9	0	2	329146	-624715	-28288	702296	-1332948	SLD 15	2.134	Si
-140	18.1	0.9	0	2	267248	-578849	-28440	663074	-1436192	SLD 15	1.881	Si
140	18.1	0.9	0	3	-148525	532586	-19303	-397090	1423894	SLD 3	2.674	Si
230	18.1	0.9	0	3	114398	-528341	-18847	315994	-1459398	SLD 3	2.762	Si
-170	18.1	0.9	0	2	205354	-532983	-28591	595525	-1545645	SLD 15	2.9	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0	0	0	0	0	SLV 1	No
20	0	0	0	0	0	SLV 1	No
350	0	0	0	0	0	SLV 1	No
50	0.012	0	0	0	0	SLV 1	No
320	0	0	0	0	0	SLV 1	No
80	0.235	34	0.287	0.088	0.243	SLV 1	No
290	0.162	16	0.211	0.059	0.163	SLV 1	No
110	0.611	234	0.634	0.228	0.627	SLV 3	No
260	0.672	287	0.689	0.249	0.685	SLV 1	No
-80	1.256	1266	1.266	0.452	1.243	SLV 15	Si
-110	1.449	1854	1.48	0.518	1.423	SLV 15	Si
140	1.402	1698	1.428	0.502	1.379	SLV 7	Si
-140	1.678	2474	1.666	0.573	1.575	SLV 15	Si
-500	1.453	1868	1.485	0.519	1.426	SLV 11	Si
230	1.988	2474	1.666	0.573	1.575	SLV 7	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0	0	0	0	0	SLD 1	No
350	0	0	0	0	0	SLD 1	No
20	0	0	0	0	0	SLD 1	No
320	0	0	0	0	0	SLD 1	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
50	0.027	0	0	0	0	SLD 1	No
290	0.363	11	0.455	0.049	0.346	SLD 1	No
80	0.531	23	0.616	0.072	0.511	SLD 1	No
260	1.52	195	1.48	0.211	1.496	SLD 1	Si
110	1.383	161	1.368	0.193	1.368	SLD 3	Si
-80	2.84	804	2.645	0.382	2.707	SLD 15	Si
-110	3.273	1157	3.07	0.438	3.104	SLD 15	Si
-140	3.789	1706	3.6	0.503	3.563	SLD 15	Si
140	3.174	1064	2.967	0.425	3.013	SLD 7	Si
230	4.493	2474	4.193	0.591	4.185	SLD 7	Si
-170	4.302	2397	4.139	0.567	4.017	SLD 13	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-11443	-23693	SLU 30	9503	4203	35839	2.5	0.83	832	-23696	SLU 29	9504	4203	35840	2.5	11.42	No
320	2X/2Y ø6/24	-11443	-23888	SLU 30	9529	4203	35866	2.5	0.83	832	-23890	SLU 29	9529	4203	35866	2.5	11.45	No
290	2X/2Y ø6/24	-11443	-24085	SLU 30	9555	4203	35893	2.5	0.84	832	-24087	SLU 29	9555	4203	35893	2.5	11.48	No
260	2X/2Y ø6/24	-11443	-24282	SLU 30	9581	4203	35920	2.5	0.84	832	-24285	SLU 29	9581	4203	35920	2.5	11.51	No
230	2X/2Y ø6/24	-11443	-24480	SLU 30	9607	4203	35947	2.5	0.84	832	-24482	SLU 29	9608	4203	35947	2.5	11.54	No
200	2X/2Y ø6/24	-11443	-24678	SLU 30	9633	4203	35974	2.5	0.84	832	-24680	SLU 29	9634	4203	35975	2.5	11.57	No
170	2X/2Y ø6/24	-11443	-24875	SLU 30	9660	4203	36001	2.5	0.84	832	-24877	SLU 29	9660	4203	36002	2.5	11.6	No
140	2X/2Y ø6/24	-11443	-25072	SLU 30	9686	4203	36028	2.5	0.85	832	-25074	SLU 29	9686	4203	36029	2.5	11.64	No
110	2X/2Y ø6/24	-11443	-25270	SLU 30	9712	4203	36055	2.5	0.85	832	-25272	SLU 29	9712	4203	36056	2.5	11.67	No
80	2X/2Y ø6/24	-11443	-25467	SLU 30	9738	4203	36082	2.5	0.85	832	-25469	SLU 29	9738	4203	36083	2.5	11.7	No
50	2X/2Y ø6/24	-11443	-25665	SLU 30	9764	4203	36109	2.5	0.85	832	-25667	SLU 29	9764	4203	36110	2.5	11.73	No
20	2X/2Y ø6/24	-11443	-25864	SLU 30	9791	4203	36137	2.5	0.86	832	-25867	SLU 29	9791	4203	36137	2.5	11.76	No
-10	2X/2Y ø6/24	-11443	-26056	SLU 30	9816	4203	36163	2.5	0.86	832	-26058	SLU 29	9816	4203	36163	2.5	11.79	No
-80	2X/2Y ø6/24.7	-1856	-47750	SLU 30	12670	4082	39133	2.5	6.82	1656	-47750	SLU 30	12670	4082	39133	2.5	7.65	Si
-110	2X/2Y ø6/24.7	-1856	-47944	SLU 30	12670	4082	39159	2.5	6.82	1656	-47944	SLU 30	12670	4082	39159	2.5	7.65	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-19752	-22415	SLV 1	9334	4203	35664	2.5	0.47	16224	-17508	SLV 7	8685	4203	34993	2.5	0.54	No
320	2X/2Y ø6/24	-19752	-22564	SLV 1	9354	4203	35685	2.5	0.47	16224	-17658	SLV 7	8704	4203	35013	2.5	0.54	No
290	2X/2Y ø6/24	-19752	-22716	SLV 1	9374	4203	35706	2.5	0.47	16224	-17810	SLV 7	8725	4203	35034	2.5	0.54	No
260	2X/2Y ø6/24	-19752	-22868	SLV 1	9394	4203	35726	2.5	0.48	16224	-17962	SLV 7	8745	4203	35055	2.5	0.54	No
230	2X/2Y ø6/24	-19752	-23020	SLV 1	9414	4203	35747	2.5	0.48	16224	-18113	SLV 7	8765	4203	35076	2.5	0.54	No
200	2X/2Y ø6/24	-19752	-23172	SLV 1	9434	4203	35768	2.5	0.48	16224	-18266	SLV 7	8785	4203	35096	2.5	0.54	No
170	2X/2Y ø6/24	-19752	-23323	SLV 1	9454	4203	35789	2.5	0.48	16224	-18417	SLV 7	8805	4203	35117	2.5	0.54	No
140	2X/2Y ø6/24	-19752	-23475	SLV 1	9474	4203	35810	2.5	0.48	16224	-18569	SLV 7	8825	4203	35138	2.5	0.54	No
110	2X/2Y ø6/24	-19752	-23627	SLV 1	9494	4203	35830	2.5	0.48	16224	-18721	SLV 7	8845	4203	35159	2.5	0.55	No
80	2X/2Y ø6/24	-19752	-23779	SLV 1	9515	4203	35851	2.5	0.48	16224	-18873	SLV 7	8865	4203	35180	2.5	0.55	No
50	2X/2Y ø6/24	-19752	-23931	SLV 1	9535	4203	35872	2.5	0.48	16224	-19025	SLV 7	8885	4203	35200	2.5	0.55	No
20	2X/2Y ø6/24	-19752	-24085	SLV 1	9555	4203	35893	2.5	0.48	16224	-19179	SLV 7	8906	4203	35221	2.5	0.55	No
-10	2X/2Y ø6/24	-19752	-24232	SLV 1	9574	4203	35913	2.5	0.48	16224	-19326	SLV 7	8925	4203	35242	2.5	0.55	No
-80	2X/2Y ø6/24.7	-2179	-20269	SLV 13	9050	4082	35371	2.5	4.15	4481	-27859	SLV 11	10054	4082	36410	2.5	2.24	Si
-110	2X/2Y ø6/24.7	-2179	-20418	SLV 13	9070	4082	35391	2.5	4.16	4481	-28008	SLV 11	10074	4082	36430	2.5	2.25	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-11861	-18341	SLD 1	8795	4203	35107	2.5	0.74	6020	-16618	SLD 7	8567	4203	34871	2.5	1.42	No
320	2X/2Y ø6/24	-11861	-18490	SLD 1	8815	4203	35127	2.5	0.74	6020	-16767	SLD 7	8587	4203	34891	2.5	1.43	No
290	2X/2Y ø6/24	-11861	-18642	SLD 1	8835	4203	35148	2.5	0.74	6020	-16919	SLD 7	8607	4203	34912	2.5	1.43	No
260	2X/2Y ø6/24	-11861	-18794	SLD 1	8855	4203	35169	2.5	0.75	6020	-17071	SLD 7	8627	4203	34933	2.5	1.43	No
230	2X/2Y ø6/24	-11861	-18946	SLD 1	8875	4203	35190	2.5	0.75	6020	-17223	SLD 7	8647	4203	34954	2.5	1.44	No
200	2X/2Y ø6/24	-11861	-19098	SLD 1	8895	4203	35210	2.5	0.75	6020	-17375	SLD 7	8667	4203	34974	2.5	1.44	No
170	2X/2Y ø6/24	-11861	-19250	SLD 1	8915	4203	35231	2.5	0.75	6020	-17527	SLD 7	8687	4203	34995	2.5	1.44	No
140	2X/2Y ø6/24	-11861	-19401	SLD 1	8935	4203	35252	2.5	0.75	6020	-17678	SLD 7	8707	4203	35016	2.5	1.45	No
110	2X/2Y ø6/24	-11861	-19553	SLD 1	8955	4203	35273	2.5	0.76	6020	-17830	SLD 7	8727	4203	35037	2.5	1.45	No
80	2X/2Y ø6/24	-11861	-19705	SLD 1	8975	4203	35294	2.5	0.76	6020	-17982	SLD 7	8747	4203	35058	2.5	1.45	No
50	2X/2Y ø6/24	-11861	-19857	SLD 1	8996	4203	35314	2.5	0.76	6020	-18134	SLD 7	8768	4203	35078	2.5	1.46	No
20	2X/2Y ø6/24	-11861	-20011	SLD 1	9016	4203	35335	2.5	0.76	6020	-18288	SLD 7	8788	4203	35099	2.5	1.46	No
-10	2X/2Y ø6/24	-11861	-20158	SLD 1	9035	4203	35356	2.5	0.76	6020	-18435	SLD 7	8807	4203	35120	2.5	1.46	No
-80	2X/2Y ø6/24.7	-1574	-28358	SLD 13	10121	4082	36478	2.5	6.43	2298	-31024	SLD 11	10473	4082	36843	2.5	4.56	Si
-110	2X/2Y ø6/24.7	-1574	-28508	SLD 13	10140	4082	36499	2.5	6.44	2298	-31174	SLD 11	10493	4082	36863	2.5	4.57	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.08	4	0.119	0.029	0.078	SLV 1	No
320	0.082	4	0.119	0.029	0.078	SLV 1	No
290	0.084	4	0.119	0.029	0.078	SLV 1	No
260	0.086	4	0.119	0.029	0.078	SLV 1	No
230	0.088	4	0.119	0.029	0.078	SLV 1	No
200	0.09	4	0.119	0.032	0.088	SLV 1	No
170	0.092	4	0.119	0.032	0.088	SLV 1	No
140	0.094	4	0.119	0.032	0.088	SLV 1	No
110	0.095	4	0.119	0.032	0.088	SLV 1	No
80	0.097	4	0.119	0.032	0.088	SLV 1	No
50	0.098	6	0.141	0.035	0.097	SLV 1	No
20	0.1	6	0.141	0.035	0.097	SLV 1	No
-10	0.102	6	0.141	0.035	0.097	SLV 1	No
-80	2.163	2474	1.666	0.573	1.575	SLV 15	Si
-110	2.169	2474	1.666	0.573	1.575	SLV 15	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.23	4	0.301	0.03	0.213	SLD 1	No
320	0.234	4	0.301	0.03	0.213	SLD 1	No
290	0.238	4	0.301	0.03	0.213	SLD 1	No
260	0.246	4	0.301	0.03	0.213	SLD 1	No
230	0.25	4	0.301	0.03	0.213	SLD 1	No
200	0.254	5	0.329	0.034	0.24	SLD 1	No
170	0.258	5	0.329	0.034	0.24	SLD 1	No
140	0.266	5	0.329	0.034	0.24	SLD 1	No
110	0.27	5	0.329	0.034	0.24	SLD 1	No
80	0.273	5	0.329	0.034	0.24	SLD 1	No
50	0.281	6	0.355	0.037	0.264	SLD 1	No
20	0.285	6	0.355	0.037	0.264	SLD 1	No
-10	0.289	6	0.355	0.037	0.264	SLD 1	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
-80	6.161	2474	4.193	0.603	4.276	SLD 15	Si
-110	6.168	2474	4.193	0.603	4.276	SLD 15	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 55

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.6	-17.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	-17.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	3,4,5,6	-173543	-431620	-6539	-299537	-744980	SLU 29	1.726	Si
-500	18.1	1.8	0	1,2	-313769	-481935	-107335	-602178	-924918	SLU 30	1.919	Si
449	18.1	2.3	0	3,4,5,6	-148565	-395072	-6389	-286208	-761098	SLU 29	1.926	Si
-10	18.1	1.8	0	2,3,4,5	-240044	-867660	-50283	-469530	-1697155	SLU 29	1.956	Si
-470	18.1	1.8	0	1,2	-275005	-429095	-107141	-546795	-853174	SLU 30	1.988	Si
350	18.1	0.9	0	3,4,5	181243	864207	-47920	370539	1766815	SLU 29	2.044	Si
-440	18.1	1.8	0	1,2	-235585	-375360	-106943	-485279	-773202	SLU 30	2.06	Si
-410	18.1	0.9	0	2	-196164	-321625	-106746	-416450	-682800	SLU 30	2.123	Si
-380	18.1	0.9	0	2	-156743	-267890	-106548	-333378	-569775	SLU 30	2.127	Si
-350	18.1	0.9	0	2	-117323	-214155	-106351	-249997	-456331	SLU 30	2.131	Si
-320	18.1	0.9	0	2	-77902	-160419	-106153	-166306	-342465	SLU 30	2.135	Si
-290	18.1	0.9	0	2	-38481	-106684	-105956	-82303	-228175	SLU 30	2.139	Si
-260	18.1	0.9	0	2	940	-52949	-105759	2013	-113458	SLU 30	2.143	Si
-230	18.1	0.9	0	2	40360	786	-105561	86645	1688	SLU 30	2.147	Si
-200	18.1	0.9	0	2	79145	53655	-105367	170221	115398	SLU 30	2.151	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	2,3,4,5	-3890527	496005	-41006	-841675	107306	SLV 7	0.216				No
20	18.1	1.8	0	2,3,4,5	-3334089	438596	-40859	-873451	114901	SLV 7	0.262				No
350	18.1	0.9	0	3,4,5	2842940	915214	-32631	852599	274473	SLV 11	0.3				No
50	18.1	1.8	0	2,3,4,5	-2634902	-712446	-34147	-883391	-238859	SLV 11	0.335				No
420	18.1	2.3	0	3,4,5,6	-1819373	283640	-6524	-623467	97198	SLV 7	0.343				No
320	18.1	0.9	0	3,4,5	-2216541	1079974	-29178	-865725	421810	SLV 9	0.391				No
449	18.1	2.3	0	3,4,5,6	-1550451	224723	-6409	-629135	91187	SLV 7	0.406				No
770	18.1	1.1	0	6	1454768	-433811	-5128	620300	-184973	SLV 7	0.426				No
80	18.1	0.9	0	3,4,5	2003425	-865693	-30393	909220	-392880	SLV 9	0.454				No
478	18.1	2.3	0	3,4,5,6	397740	-1205825	-504	194857	-590747	SLV 13	0.49				No
741	18.1	1.1	0	6	1185850	-374899	-5242	628698	-198759	SLV 7	0.53				No
290	18.1	0.9	0	3,4,5	-1689053	836791	-29330	-933256	462354	SLV 9	0.553				No
508	18.1	1.1	0	6	312383	-981788	-388	187968	-590764	SLV 13	0.602				No
110	18.1	0.9	0	3,4,5	1475938	-622512	-30241	1009190	-425650	SLV 9	0.684				No
712	18.1	1.1	0	6	912249	-314966	-5359	642566	-221855	SLV 7	0.704				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3,4,5	-1734945	-763617	-35273	-1001054	-440603	SLD 11	0.577	No
420	18.1	2.3	0	3,4,5,6	189001	-879714	-3469	134480	-625944	SLD 13	0.712	No
20	18.1	1.8	0	2,3,4,5	-1486897	-643827	-35125	-1066164	-461650	SLD 11	0.717	No
350	18.1	0.9	0	3,4,5	-346867	1411637	-29035	-258946	1053828	SLD 13	0.747	No
449	18.1	2.3	0	3,4,5,6	160763	-770519	-3354	131481	-630172	SLD 13	0.818	No
770	18.1	1.1	0	6	689876	-198029	-4631	653360	-187547	SLD 7	0.947	No
50	18.1	1.8	0	2,3,4,5	-1227993	-518795	-34972	-1166052	-492627	SLD 11	0.95	No

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
478	18.1	2.3	0	3,4,5,6	132035	-659420	-3237	127346	-636002	SLD 13	0.964	No
320	18.1	0.9	0	3,4,5	-281282	1154796	-29184	-285282	1171221	SLD 13	1.014	Si
508	18.1	1.1	0	6	103311	-548322	-3121	121409	-644378	SLD 13	1.175	Si
741	18.1	1.1	0	6	562030	-183793	-4746	670926	-219403	SLD 7	1.194	Si
80	18.1	0.9	0	3,4,5	-972387	-395356	-34820	-1315471	-534849	SLD 11	1.353	Si
537	18.1	1.1	0	6	74594	-437228	-3004	112148	-657350	SLD 13	1.503	Si
290	18.1	0.9	0	3,4,5	-214586	893608	-29336	-328835	1369381	SLD 13	1.532	Si
712	18.1	1.1	0	6	431957	-169311	-4862	700207	-274456	SLD 7	1.621	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.261	42	0.313	0.099	0.271	SLV 13	No
20	0.332	67	0.379	0.126	0.347	SLV 13	No
350	0.329	65	0.375	0.125	0.344	SLV 13	No
50	0.424	109	0.463	0.161	0.442	SLV 11	No
420	0.279	48	0.331	0.106	0.291	SLV 13	No
320	0.448	122	0.485	0.17	0.466	SLV 13	No
449	0.339	70	0.386	0.129	0.355	SLV 13	No
770	0.418	106	0.458	0.159	0.436	SLV 7	No
80	0.56	193	0.586	0.21	0.576	SLV 11	No
478	0.422	108	0.462	0.16	0.44	SLV 13	No
741	0.528	171	0.557	0.198	0.545	SLV 7	No
290	0.637	256	0.657	0.237	0.652	SLV 13	No
508	0.545	183	0.573	0.205	0.563	SLV 13	No
110	0.776	394	0.785	0.286	0.785	SLV 9	No
712	0.709	323	0.723	0.262	0.721	SLV 7	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.589	28	0.668	0.081	0.572	SLD 13	No
420	0.631	33	0.714	0.087	0.617	SLD 13	No
20	0.751	47	0.826	0.105	0.746	SLD 13	No
350	0.744	46	0.818	0.104	0.737	SLD 13	No
449	0.766	49	0.84	0.108	0.765	SLD 13	No
770	0.945	74	0.995	0.133	0.941	SLD 7	No
50	0.959	76	1.005	0.135	0.955	SLD 11	Si
478	0.953	74	0.995	0.134	0.948	SLD 13	No
320	1.014	85	1.053	0.143	1.01	SLD 13	Si
508	1.23	125	1.233	0.172	1.219	SLD 13	Si
741	1.195	119	1.208	0.168	1.188	SLD 7	Si
80	1.266	133	1.265	0.177	1.255	SLD 11	Si
537	1.684	244	1.622	0.233	1.648	SLD 13	Si
290	1.439	174	1.412	0.2	1.419	SLD 13	Si
712	1.602	219	1.552	0.222	1.572	SLD 7	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
140	2X/2Y ø6/24	4824	-49299	SLU 29	12670	4203	39345	2.5	2.63	1175	-49575	SLU 30	12670	4203	39383	2.5	10.78	Si
350	2X/2Y ø6/24	4824	-47920	SLU 29	12670	4203	39156	2.5	2.63	1175	-48196	SLU 30	12670	4203	39194	2.5	10.78	Si
320	2X/2Y ø6/24	4824	-48114	SLU 29	12670	4203	39183	2.5	2.63	1175	-48390	SLU 30	12670	4203	39220	2.5	10.78	Si
290	2X/2Y ø6/24	4824	-48312	SLU 29	12670	4203	39210	2.5	2.63	1175	-48588	SLU 30	12670	4203	39247	2.5	10.78	Si
260	2X/2Y ø6/24	4824	-48509	SLU 29	12670	4203	39237	2.5	2.63	1175	-48785	SLU 30	12670	4203	39274	2.5	10.78	Si
230	2X/2Y ø6/24	4824	-48706	SLU 29	12670	4203	39264	2.5	2.63	1175	-48983	SLU 30	12670	4203	39301	2.5	10.78	Si
200	2X/2Y ø6/24	4824	-48904	SLU 29	12670	4203	39291	2.5	2.63	1175	-49181	SLU 30	12670	4203	39329	2.5	10.78	Si
170	2X/2Y ø6/24	4824	-49101	SLU 29	12670	4203	39318	2.5	2.63	1175	-49378	SLU 30	12670	4203	39356	2.5	10.78	Si
110	2X/2Y ø6/24	4824	-49496	SLU 29	12670	4203	39372	2.5	2.63	1175	-49773	SLU 30	12670	4203	39410	2.5	10.78	Si
80	2X/2Y ø6/24	4824	-49694	SLU 29	12670	4203	39399	2.5	2.63	1175	-49970	SLU 30	12670	4203	39437	2.5	10.78	Si
50	2X/2Y ø6/24	4824	-49891	SLU 29	12670	4203	39426	2.5	2.63	1175	-50167	SLU 30	12670	4203	39464	2.5	10.78	Si
20	2X/2Y ø6/24	4824	-50091	SLU 29	12670	4203	39453	2.5	2.63	1175	-50367	SLU 30	12670	4203	39491	2.5	10.78	Si
-10	2X/2Y ø6/24	4824	-50283	SLU 29	12670	4203	39479	2.5	2.63	1175	-50559	SLU 30	12670	4203	39517	2.5	10.78	Si
770	2X/2Y ø6/25	1275	-4724	SLU 29	5778	3526	25961	2.5	4.53	871	-4724	SLU 29	5778	3526	25961	2.5	6.63	Si
741	2X/2Y ø6/25	1275	-4873	SLU 29	5797	3526	25981	2.5	4.55	871	-4873	SLU 29	5797	3526	25981	2.5	6.65	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	19126	-19657	SLV 13	8969	4203	35287	2.5	0.47	-22354	-27708	SLV 9	10034	4203	36389	2.5	0.45	No
320	2X/2Y ø6/24	19126	-19806	SLV 13	8989	4203	35307	2.5	0.47	-22354	-27857	SLV 9	10054	4203	36410	2.5	0.45	No
290	2X/2Y ø6/24	19126	-19958	SLV 13	9009	4203	35328	2.5	0.47	-22354	-28009	SLV 9	10074	4203	36430	2.5	0.45	No
260	2X/2Y ø6/24	19126	-20110	SLV 13	9029	4203	35349	2.5	0.47	-22354	-28161	SLV 9	10094	4203	36451	2.5	0.45	No
230	2X/2Y ø6/24	19126	-20262	SLV 13	9049	4203	35370	2.5	0.47	-22354	-28313	SLV 9	10115	4203	36472	2.5	0.45	No
200	2X/2Y ø6/24	19126	-20414	SLV 13	9069	4203	35391	2.5	0.47	-22354	-28465	SLV 9	10135	4203	36493	2.5	0.45	No
170	2X/2Y ø6/24	19126	-20566	SLV 13	9089	4203	35411	2.5	0.48	-22354	-28617	SLV 9	10155	4203	36513	2.5	0.45	No
140	2X/2Y ø6/24	19126	-20717	SLV 13	9109	4203	35432	2.5	0.48	-22354	-28769	SLV 9	10175	4203	36534	2.5	0.46	No
110	2X/2Y ø6/24	19126	-20869	SLV 13	9129	4203	35453	2.5	0.48	-22354	-28921	SLV 9	10195	4203	36555	2.5	0.46	No
80	2X/2Y ø6/24	19126	-21021	SLV 13	9150	4203	35474	2.5	0.48	-22354	-29072	SLV 9	10215	4203	36576	2.5	0.46	No
50	2X/2Y ø6/24	19126	-21173	SLV 13	9170	4203	35494	2.5	0.48	-22354	-29224	SLV 9	10235	4203	36597	2.5	0.46	No
20	2X/2Y ø6/24	19126	-21327	SLV 13	9190	4203	35516	2.5	0.48	-22354	-29378	SLV 9	10255	4203	36618	2.5	0.46	No
-10	2X/2Y ø6/24	19126	-21474	SLV 13	9210	4203	35536	2.5	0.48	-22354	-29526	SLV 9	10275	4203	36638	2.5	0.46	No
770	2X/2Y ø6/25	9487	1934	SLV 13	5163	3526	25325	2.5	0.54	10982	-1513	SLV 11	5360	3526	25529	2.5	0.49	No
741	2X/2Y ø6/25	9487	1819	SLV 13	5163	3526	25325	2.5	0.54	10982	-1628	SLV 11	5375	3526	25544	2.5	0.49	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	8707	-29035	SLD 13	10210	4203	36571	2.5	1.17	8884	-36356	SLD 7	11179	4203	37573	2.5	1.26	Si
320	2X/2Y ø6/24	8707	-29184	SLD 13	10230	4203	36591	2.5	1.17	8884	-36506	SLD 7	11199	4203	37593	2.5	1.26	Si
290	2X/2Y ø6/24	8707	-29336	SLD 13	10250	4203	36612	2.5	1.18	8884	-36657	SLD 7	11219	4203	37614	2.5	1.26	Si
260	2X/2Y ø6/24	8707	-29488	SLD 13	10270	4203	36633	2.5	1.18	8884	-36809	SLD 7	11239	4203	37635	2.5	1.26	Si
230	2X/2Y ø6/24	8707	-29640	SLD 13	10290	4203	36654	2.5	1.18	8884	-36961	SLD 7	11259	4203	37656	2.5	1.27	Si
200	2X/2Y ø6/24	8707	-29792	SLD 13	10310	4203	36674	2.5	1.18	8884	-37113	SLD 7	11279	4203	37677	2.5	1.27	Si
170	2X/2Y ø6/24	8707	-29944	SLD 13	10330	4203	36695	2.5	1.19	8884	-37265	SLD 7	11299	4203	37697	2.5	1.27	Si
140	2X/2Y ø6/24	8707	-30096	SLD 13	10350	4203	36716	2.5	1.19	8884	-37417	SLD 7	11319	4203	37718	2.5	1.27	Si
110	2X/2Y ø6/24	8707	-30247	SLD 13	10371	4203	36737	2.5	1.19	8884	-37569	SLD 7	11339	4203	37739	2.5	1.28	Si
80	2X/2Y ø6/24	8707	-30399	SLD 13	10391	4203	36757	2.5	1.19	8884	-37721	SLD 7	11359	4203	37760	2.5	1.28	Si
50	2X/2Y ø6/24	8707	-30551	SLD 13	10411	4203	36778	2.5	1.2	8884	-37872	SLD 7	11380	4203	37781	2.5	1.28	Si
20	2X/2Y ø6/24	8707	-30705	SLD 13	10431	4203	36799	2.5	1.2	8884	-38026	SLD 7	11400	4203	37802	2.5	1.28	Si
-10	2X/2Y ø6/24	8707	-30852	SLD 13	10451	4203	36820	2.5	1.2	8884	-38174	SLD 7	11419	4203	37822	2.5	1.29	Si
770	2X/2Y ø6/25	3809	-2073	SLD 13	5433	3526	25604	2.5	1.43	4460	-4631	SLD 7	5766	3526	25948	2.5	1.29	Si
741	2X/2Y ø6/25	3809	-2187	SLD 13	5448	3526	25619	2.5	1.43	4460	-4746	SLD 7	5781	3526	25964	2.5	1.3	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.435	114	0.472	0.164	0.451	SLV 13	No
320	0.436	115	0.474	0.165	0.453	SLV 13	No
290	0.438	116	0.475	0.166	0.455	SLV 13	No
260	0.438	117	0.477	0.166	0.457	SLV 13	No
230	0.439	117	0.477	0.166	0.457	SLV 13	No
200	0.44	118	0.479	0.167	0.459	SLV 13	No
170	0.441	118	0.479	0.167	0.459	SLV 13	No
140	0.442	119	0.48	0.168	0.46	SLV 13	No
110	0.443	119	0.48	0.168	0.46	SLV 13	No
80	0.445	120	0.482	0.168	0.462	SLV 13	No
50	0.446	121	0.484	0.169	0.464	SLV 13	No
20	0.447	121	0.484	0.169	0.464	SLV 13	No
-10	0.448	122	0.485	0.17	0.466	SLV 13	No
770	0.47	134	0.504	0.177	0.487	SLV 7	No
741	0.472	135	0.506	0.178	0.489	SLV 7	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.238	128	1.245	0.174	1.23	SLD 13	Si
320	1.242	128	1.245	0.174	1.23	SLD 13	Si
290	1.246	129	1.249	0.174	1.235	SLD 13	Si
260	1.248	130	1.253	0.175	1.24	SLD 13	Si
230	1.25	130	1.253	0.175	1.24	SLD 13	Si
200	1.254	131	1.257	0.176	1.245	SLD 13	Si
170	1.258	131	1.257	0.176	1.245	SLD 13	Si
140	1.262	132	1.261	0.176	1.25	SLD 13	Si
110	1.264	132	1.261	0.176	1.25	SLD 13	Si
80	1.266	133	1.265	0.177	1.255	SLD 13	Si
50	1.27	134	1.269	0.178	1.26	SLD 13	Si
20	1.273	134	1.269	0.178	1.26	SLD 13	Si
-10	1.277	135	1.273	0.178	1.265	SLD 13	Si
770	1.34	150	1.329	0.187	1.327	SLD 7	Si
741	1.344	150	1.329	0.187	1.327	SLD 7	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 56

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-1115	787951	-35962	-1904	1345876	SLU 30	1.708	Si
449	18.1	2.3	0	2,3,4,5	-797	681221	-35812	-1653	1412341	SLU 30	2.073	Si
478	18.1	2.3	0	2,3,4,5	-474	572629	-35661	-1195	1444599	SLU 30	2.523	Si
350	18.1	0.9	0	2,3,4	-18927	-551364	-67532	-49706	-1447988	SLU 30	2.626	Si
770	18.1	1.1	0	5	3385	-533978	-36449	9115	-1437784	SLU 36	2.693	Si
320	18.1	0.9	0	2,3,4	-19025	-512330	-67726	-51378	-1383567	SLU 30	2.701	Si
290	18.1	0.9	0	2,3,4	-19124	-472633	-67923	-53127	-1312964	SLU 30	2.778	Si
260	18.1	0.9	0	2,3,4	-19224	-432937	-68121	-54933	-1237117	SLU 30	2.858	Si
230	18.1	0.9	0	2,3,4	-19324	-393240	-68318	-56796	-1155819	SLU 30	2.939	Si
508	18.1	1.1	0	5	-633	455199	-37812	-1883	1355301	SLU 36	2.977	Si
200	18.1	0.9	0	2,3,4	-19423	-353459	-68516	-58698	-1068176	SLU 30	3.022	Si
170	18.1	0.9	0	2,3,4	-19523	-313848	-68713	-60658	-975152	SLU 30	3.107	Si
741	18.1	1.1	0	5	2946	-425747	-36598	9238	-1335302	SLU 36	3.136	Si
140	18.1	0.9	0	2,3,4	-19622	-274151	-68911	-62659	-875445	SLU 30	3.193	Si
-10	18.1	1.8	0	1,2,3,4	-20118	-76331	-69894	-65228	-247487	SLU 30	3.242	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	2,3,4,5	-630523	2051044	-25258	-220784	718195	SLV 3	0.35				No
449	18.1	2.3	0	2,3,4,5	-538031	1750653	-25143	-228962	745001	SLV 3	0.426				No
-10	18.1	1.8	0	1,2,3,4	-32073	2311725	-41265	-13872	999859	SLV 3	0.433				No
350	18.1	0.9	0	2,3,4	306770	-2214977	-39448	137763	-994693	SLV 3	0.449				No
770	18.1	1.1	0	5	495532	-1606456	-23862	231796	-751457	SLV 3	0.468				No
478	18.1	2.3	0	2,3,4,5	-443927	1445031	-25026	-241376	785705	SLV 3	0.544				No
20	18.1	1.8	0	1,2,3,4	73	1944653	-41118	41	1086779	SLV 3	0.559				No
320	18.1	0.9	0	2,3,4	278911	-1843031	-39597	165130	-1091173	SLV 3	0.592				No
741	18.1	1.1	0	5	403041	-1306075	-23976	246931	-800192	SLV 3	0.613				No
508	18.1	1.1	0	5	-349823	1139423	-24910	-260635	848922	SLV 3	0.745				No
50	18.1	1.8	0	1,2,3,4	23815	1561520	-40964	19092	1251826	SLV 3	0.802				No
290	18.1	0.9	0	2,3,4	-590856	-1383167	-39034	-495058	-1158909	SLV 1	0.838				No
712	18.1	1.1	0	5	308938	-1000470	-24093	272308	-881845	SLV 3	0.881				No
260	18.1	0.9	0	2,3,4	-1306587	-434068	-44263	-1332590	-442707	SLV 5	1.02				Si
537	18.1	1.1	0	5	-255722	833847	-24793	-295845	964679	SLV 3	1.157				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-276940	1217360	-25990	-194377	854434	SLD 3	0.702	No
449	18.1	2.3	0	2,3,4,5	-236249	1041952	-25876	-206495	910725	SLD 3	0.874	No
770	18.1	1.1	0	5	218465	-918311	-24594	223532	-939611	SLD 3	1.023	Si
478	18.1	2.3	0	2,3,4,5	-194848	863488	-25759	-224323	994110	SLD 3	1.151	Si
350	18.1	0.9	0	2,3,4	-324340	-1141044	-43640	-415664	-1462326	SLD 1	1.282	Si
741	18.1	1.1	0	5	177774	-742907	-24709	250073	-1045040	SLD 3	1.407	Si
320	18.1	0.9	0	2,3,4	-297082	-970666	-43790	-479126	-1565464	SLD 1	1.613	Si
508	18.1	1.1	0	5	-153447	685030	-25642	-250970	1120395	SLD 3	1.636	Si
-10	18.1	1.8	0	1,2,3,4	-6190	-1069091	-52932	-10825	-1869532	SLD 13	1.749	Si
290	18.1	0.9	0	2,3,4	585716	-537614	-47243	1163750	-1068177	SLD 7	1.987	Si
20	18.1	1.8	0	1,2,3,4	-20420	-948806	-52784	-41086	-1909105	SLD 13	2.012	Si
712	18.1	1.1	0	5	136374	-564450	-24826	288925	-1195859	SLD 3	2.119	Si
50	18.1	1.8	0	1,2,3,4	-30930	-823258	-52630	-71616	-1906173	SLD 13	2.315	Si
260	18.1	0.9	0	2,3,4	520904	-444796	-47395	1227492	-1048147	SLD 7	2.356	Si
537	18.1	1.1	0	5	-112047	506586	-25526	-281829	1274198	SLD 3	2.515	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.272	46	0.325	0.104	0.285	SLV 3	No
449	0.373	84	0.416	0.141	0.389	SLV 3	No
-10	0.622	243	0.644	0.232	0.637	SLV 3	No
350	0.547	184	0.574	0.205	0.564	SLV 3	No
770	0.453	125	0.49	0.172	0.471	SLV 3	No
478	0.52	165	0.549	0.195	0.536	SLV 3	No
20	0.734	349	0.747	0.271	0.745	SLV 3	No
320	0.675	290	0.692	0.25	0.688	SLV 1	No
741	0.623	244	0.645	0.232	0.639	SLV 3	No
508	0.746	361	0.757	0.275	0.756	SLV 3	No
50	0.896	545	0.896	0.327	0.899	SLV 3	No
290	0.868	506	0.869	0.318	0.873	SLV 1	No
712	0.893	541	0.893	0.326	0.896	SLV 3	No
260	1.014	735	1.013	0.369	1.013	SLV 5	Si
537	1.143	986	1.143	0.414	1.137	SLV 3	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.615	31	0.696	0.086	0.606	SLD 3	No
449	0.844	59	0.906	0.119	0.841	SLD 3	No
770	1.025	87	1.063	0.144	1.023	SLD 3	Si
478	1.176	114	1.187	0.165	1.167	SLD 3	Si
350	1.236	126	1.237	0.173	1.225	SLD 3	Si
741	1.41	167	1.388	0.197	1.394	SLD 3	Si
320	1.525	196	1.483	0.212	1.5	SLD 1	Si
508	1.688	246	1.627	0.233	1.654	SLD 3	Si
-10	1.404	165	1.382	0.195	1.385	SLD 3	Si
290	1.961	341	1.861	0.269	1.903	SLD 1	Si
20	1.659	237	1.603	0.23	1.628	SLD 3	Si
712	2.02	363	1.909	0.276	1.956	SLD 3	Si
50	2.024	366	1.915	0.277	1.961	SLD 3	Si
260	2.289	478	2.137	0.311	2.202	SLD 5	Si
537	2.582	639	1.807	0.349	1.87	SLD 3	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-3723	-34147	SLU 30	9607	3526	29922	2.5	2.58	-61	-31047	SLU 19	9203	3526	29504	2.5	151.83	Si
741	2X/2Y ø6/25	-3723	-34296	SLU 30	9626	3526	29942	2.5	2.59	-61	-31196	SLU 19	9223	3526	29524	2.5	152.15	Si
712	2X/2Y ø6/25	-3723	-34447	SLU 30	9646	3526	29962	2.5	2.59	-61	-31348	SLU 19	9243	3526	29545	2.5	151.87	Si
683	2X/2Y ø6/25	-3723	-34599	SLU 30	9666	3526	29982	2.5	2.6	-61	-31500	SLU 19	9262	3526	29565	2.5	152.8	Si
653	2X/2Y ø6/25	-3723	-34751	SLU 30	9685	3526	30003	2.5	2.6	-61	-31651	SLU 19	9282	3526	29586	2.5	153.12	Si
624	2X/2Y ø6/25	-3723	-34902	SLU 30	9705	3526	30023	2.5	2.61	-61	-31803	SLU 19	9302	3526	29606	2.5	153.45	Si
595	2X/2Y ø6/25	-3723	-35054	SLU 30	9725	3526	30044	2.5	2.61	-61	-31955	SLU 19	9321	3526	29626	2.5	153.77	Si
566	2X/2Y ø6/25	-3723	-35206	SLU 30	9745	3526	30064	2.5	2.62	-61	-32106	SLU 19	9341	3526	29647	2.5	154.1	Si
537	2X/2Y ø6/25	-3723	-35357	SLU 30	9764	3526	30085	2.5	2.62	-61	-32258	SLU 19	9361	3526	29667	2.5	154.42	Si
508	2X/2Y ø6/25	-3723	-35509	SLU 30	9784	3526	30105	2.5	2.63	-61	-32410	SLU 19	9381	3526	29688	2.5	154.75	Si
478	2X/2Y ø6/25	-3723	-35661	SLU 30	9804	3526	30125	2.5	2.63	-61	-32561	SLU 19	9400	3526	29708	2.5	155.08	Si
449	2X/2Y ø6/25	-3723	-35812	SLU 30	9823	3526	30146	2.5	2.64	-61	-32713	SLU 19	9420	3526	29729	2.5	155.4	Si
420	2X/2Y ø6/25	-3723	-35962	SLU 30	9843	3526	30166	2.5	2.64	-61	-32862	SLU 19	9440	3526	29749	2.5	155.72	Si
80	2X/2Y ø6/24	-1327	-68738	SLU 29	12670	4203	40745	2.5	9.55	0	-45506	SLU 4	12390	4203	38826	2.5	1000	Si
110	2X/2Y ø6/24	-1327	-68541	SLU 29	12670	4203	40745	2.5	9.55	0	-45354	SLU 4	12370	4203	38805	2.5	1000	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-12512	-23521	SLV 3	8224	3526	28491	2.5	0.66	-10581	-25150	SLV 9	8436	3526	28711	2.5	0.8	No
741	2X/2Y ø6/25	-12512	-23636	SLV 3	8239	3526	28507	2.5	0.66	-10581	-25265	SLV 9	8451	3526	28726	2.5	0.8	No
712	2X/2Y ø6/25	-12512	-23753	SLV 3	8254	3526	28522	2.5	0.66	-10581	-25382	SLV 9	8466	3526	28742	2.5	0.8	No
683	2X/2Y ø6/25	-12512	-23869	SLV 3	8269	3526	28538	2.5	0.66	-10581	-25498	SLV 9	8481	3526	28757	2.5	0.8	No
653	2X/2Y ø6/25	-12512	-23986	SLV 3	8285	3526	28554	2.5	0.66	-10581	-25615	SLV 9	8497	3526	28773	2.5	0.8	No
624	2X/2Y ø6/25	-12512	-24103	SLV 3	8300	3526	28570	2.5	0.66	-10581	-25732	SLV 9	8512	3526	28789	2.5	0.8	No
595	2X/2Y ø6/25	-12512	-24219	SLV 3	8315	3526	28585	2.5	0.66	-10581	-25848	SLV 9	8527	3526	28805	2.5	0.81	No
566	2X/2Y ø6/25	-12512	-24336	SLV 3	8330	3526	28601	2.5	0.67	-10581	-25965	SLV 9	8542	3526	28820	2.5	0.81	No
537	2X/2Y ø6/25	-12512	-24453	SLV 3	8345	3526	28617	2.5	0.67	-10581	-26082	SLV 9	8557	3526	28836	2.5	0.81	No

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
508	2X/2Y ø6/25	-12512	-24569	SLV 3	8361	3526	28632	2.5	0.67	-10581	-26198	SLV 9	8572	3526	28852	2.5	0.81	No
478	2X/2Y ø6/25	-12512	-24686	SLV 3	8376	3526	28648	2.5	0.67	-10581	-26315	SLV 9	8588	3526	28867	2.5	0.81	No
449	2X/2Y ø6/25	-12512	-24803	SLV 3	8391	3526	28664	2.5	0.67	-10581	-26432	SLV 9	8603	3526	28883	2.5	0.81	No
420	2X/2Y ø6/25	-12512	-24917	SLV 3	8406	3526	28679	2.5	0.67	-10581	-26546	SLV 9	8618	3526	28898	2.5	0.81	No
350	2X/2Y ø6/24	-15626	-37345	SLV 3	11310	4203	37708	2.5	0.72	-6584	-42842	SLV 5	12037	4203	38461	2.5	1.83	No
320	2X/2Y ø6/24	-15626	-37494	SLV 3	11330	4203	37729	2.5	0.73	-6584	-42991	SLV 5	12057	4203	38481	2.5	1.83	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-6119	-24594	SLD 3	8364	3526	28636	2.5	1.37	-3724	-25162	SLD 9	8438	3526	28712	2.5	2.27	Si
741	2X/2Y ø6/25	-6119	-24709	SLD 3	8379	3526	28651	2.5	1.37	-3724	-25277	SLD 9	8453	3526	28728	2.5	2.27	Si
712	2X/2Y ø6/25	-6119	-24826	SLD 3	8394	3526	28667	2.5	1.37	-3724	-25393	SLD 9	8468	3526	28743	2.5	2.27	Si
683	2X/2Y ø6/25	-6119	-24942	SLD 3	8409	3526	28683	2.5	1.37	-3724	-25510	SLD 9	8483	3526	28759	2.5	2.28	Si
653	2X/2Y ø6/25	-6119	-25059	SLD 3	8424	3526	28698	2.5	1.38	-3724	-25627	SLD 9	8498	3526	28775	2.5	2.28	Si
624	2X/2Y ø6/25	-6119	-25176	SLD 3	8439	3526	28714	2.5	1.38	-3724	-25743	SLD 9	8513	3526	28790	2.5	2.29	Si
595	2X/2Y ø6/25	-6119	-25292	SLD 3	8455	3526	28730	2.5	1.38	-3724	-25860	SLD 9	8528	3526	28806	2.5	2.29	Si
566	2X/2Y ø6/25	-6119	-25409	SLD 3	8470	3526	28745	2.5	1.38	-3724	-25977	SLD 9	8544	3526	28822	2.5	2.29	Si
537	2X/2Y ø6/25	-6119	-25526	SLD 3	8485	3526	28761	2.5	1.39	-3724	-26093	SLD 9	8559	3526	28837	2.5	2.3	Si
508	2X/2Y ø6/25	-6119	-25642	SLD 3	8500	3526	28777	2.5	1.39	-3724	-26210	SLD 9	8574	3526	28853	2.5	2.3	Si
478	2X/2Y ø6/25	-6119	-25759	SLD 3	8515	3526	28792	2.5	1.39	-3724	-26327	SLD 9	8589	3526	28869	2.5	2.31	Si
449	2X/2Y ø6/25	-6119	-25876	SLD 3	8530	3526	28808	2.5	1.39	-3724	-26443	SLD 9	8604	3526	28885	2.5	2.31	Si
420	2X/2Y ø6/25	-6119	-25990	SLD 3	8545	3526	28824	2.5	1.4	-3724	-26558	SLD 9	8619	3526	28900	2.5	2.31	Si
350	2X/2Y ø6/24	-6139	-43957	SLD 3	12185	4203	38613	2.5	1.98	-2312	-45887	SLD 5	12440	4203	38878	2.5	5.38	Si
320	2X/2Y ø6/24	-6139	-44106	SLD 3	12204	4203	38634	2.5	1.99	-2312	-46036	SLD 5	12460	4203	38898	2.5	5.39	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.574	204	0.599	0.215	0.591	SLV 3	No
741	0.576	206	0.601	0.216	0.594	SLV 3	No
712	0.576	206	0.601	0.216	0.594	SLV 3	No
683	0.578	207	0.603	0.216	0.595	SLV 3	No
653	0.58	209	0.605	0.217	0.597	SLV 3	No
624	0.582	210	0.606	0.218	0.599	SLV 3	No
595	0.583	211	0.607	0.218	0.6	SLV 3	No
566	0.584	212	0.609	0.219	0.601	SLV 3	No
537	0.586	213	0.61	0.219	0.602	SLV 3	No
508	0.588	215	0.612	0.22	0.605	SLV 3	No
478	0.59	216	0.613	0.22	0.606	SLV 3	No
449	0.59	216	0.613	0.22	0.606	SLV 3	No
420	0.592	218	0.616	0.221	0.608	SLV 3	No
350	0.729	344	0.742	0.269	0.741	SLV 3	No
320	0.73	345	0.743	0.27	0.741	SLV 3	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	1.637	229	1.58	0.226	1.604	SLD 3	Si
741	1.641	232	1.589	0.227	1.611	SLD 3	Si
712	1.645	233	1.592	0.228	1.615	SLD 3	Si
683	1.648	234	1.594	0.228	1.618	SLD 3	Si
653	1.652	235	1.597	0.229	1.621	SLD 3	Si
624	1.656	236	1.6	0.229	1.625	SLD 3	Si
595	1.66	237	1.603	0.23	1.628	SLD 3	Si
566	1.664	238	1.606	0.23	1.631	SLD 3	Si
537	1.672	241	1.614	0.231	1.638	SLD 3	Si
508	1.672	241	1.614	0.231	1.638	SLD 3	Si
478	1.68	243	1.619	0.232	1.644	SLD 3	Si
449	1.684	244	1.622	0.233	1.648	SLD 3	Si
420	1.688	246	1.627	0.233	1.654	SLD 3	Si
350	2.078	387	1.96	0.284	2.01	SLD 3	Si
320	2.081	388	1.962	0.284	2.012	SLD 3	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 57

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	1547	-1003769	-21706	1342	-870738	SLU 30	0.867	No
449	18.1	2.3	0	2,3,4,5	-5498	-860960	-21138	-5933	-929067	SLU 29	1.079	Si
478	18.1	2.3	0	2,3,4,5	-12583	-722242	-20986	-17921	-1028599	SLU 29	1.424	Si
770	18.1	1.1	0	5	-91742	712334	-21506	-132952	1032309	SLU 36	1.449	Si
508	18.1	1.1	0	5	-19669	-583523	-20834	-39514	-1172295	SLU 29	2.009	Si
741	18.1	1.1	0	5	-84006	573237	-21655	-170975	1166689	SLU 36	2.035	Si
537	18.1	1.1	0	5	-26754	-444804	-20683	-80712	-1341904	SLU 29	3.017	Si
712	18.1	1.1	0	5	-76135	431713	-21807	-231517	1312782	SLU 36	3.041	Si
683	18.1	1.1	0	5	-68192	302441	-22365	-295174	1309141	SLU 35	4.329	Si
-22	0	0.9	0	1	-8177	5906	-43629	-35699	25784	SLU 36	4.366	Si
-17	1.47	0.9	0	1	-7342	4738	-43593	-32574	21022	SLU 36	4.437	Si
566	18.1	1.1	0	5	-33839	-306085	-20531	-154146	-1394293	SLU 29	4.555	Si
14	17.38	1.8	0	1,2,3,4	-2774	-1648	-43395	-14394	-8555	SLU 36	5.189	Si
44	18.1	1.8	0	1,2,3,4	1870	-8141	-43194	9812	-42712	SLU 36	5.247	Si
75	18.1	0.9	0	2,3,4	6567	-14707	-42990	34615	-77528	SLU 36	5.271	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	2,3,4,5	-65149	-1939338	-19050	-23299	-693566	SLV 13	0.358				No
449	18.1	2.3	0	2,3,4,5	-66481	-1662401	-18935	-28502	-712716	SLV 13	0.429				No
770	18.1	1.1	0	5	-92745	1436846	-17654	-46722	723834	SLV 13	0.504				No
478	18.1	2.3	0	2,3,4,5	-67773	-1380712	-18818	-36424	-742050	SLV 13	0.537				No
741	18.1	1.1	0	5	-92353	1160057	-17768	-60947	765568	SLV 13	0.66				No
508	18.1	1.1	0	5	-68977	-1099162	-18702	-49658	-791311	SLV 13	0.72				No
712	18.1	1.1	0	5	-92708	878651	-17885	-89167	845091	SLV 13	0.962				No
537	18.1	1.1	0	5	-70054	-817905	-18585	-76108	-888591	SLV 13	1.086				Si
683	18.1	1.1	0	5	-93955	597750	-18002	-160882	1023546	SLV 13	1.712				Si
350	18.1	0.9	0	2,3,4	92695	-782251	-23123	158866	-1340671	SLV 3	1.714				Si
319	18.1	0.9	0	2,3,4	84458	-711141	-23276	170956	-1439455	SLV 3	2.024				Si
566	18.1	1.1	0	5	-70945	-537456	-18468	-146556	-1110266	SLV 13	2.066				Si
289	18.1	0.9	0	2,3,4	76083	-638923	-23430	185526	-1557985	SLV 3	1.838				Si
258	18.1	0.9	0	2,3,4	67706	-566808	-23585	201178	-1684176	SLV 3	2.971				Si
228	18.1	0.9	0	2,3,4	59329	-494863	-23740	215354	-1796256	SLV 3	3.63				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-27822	-1244028	-17564	-16755	-749188	SLD 13	0.602	No
449	18.1	2.3	0	2,3,4,5	-31383	-1067415	-17449	-22977	-781516	SLD 13	0.732	No
770	18.1	1.1	0	5	-76204	908185	-16168	-67405	803311	SLD 13	0.885	No
478	18.1	2.3	0	2,3,4,5	-34978	-887756	-17332	-32791	-832262	SLD 13	0.937	No
741	18.1	1.1	0	5	-73059	731637	-16282	-87805	879308	SLD 13	1.202	Si
508	18.1	1.1	0	5	-38534	-708159	-17216	-50135	-921373	SLD 13	1.301	Si
712	18.1	1.1	0	5	-70193	552103	-16399	-130087	1023193	SLD 13	1.853	Si
537	18.1	1.1	0	5	-42034	-528692	-17099	-86514	-1088152	SLD 13	2.058	Si
683	18.1	1.1	0	5	-67722	372794	-16516	-226097	1244618	SLD 13	3.339	Si
566	18.1	1.1	0	5	-45451	-349582	-16982	-172894	-1329787	SLD 13	3.804	Si
350	18.1	0.9	0	2,3,4	59666	-376930	-26782	284781	-1799052	SLD 3	4.773	Si
319	18.1	0.9	0	2,3,4	54247	-342737	-26934	278195	-1757661	SLD 3	5.128	Si
-22	0	0.9	0	1	-11279	50129	-35397	-60698	269763	SLD 15	5.381	Si
-17	1.47	0.9	0	1	-9822	45084	-35369	-53711	246543	SLD 15	5.469	Si
289	18.1	0.9	0	2,3,4	48737	-308008	-27089	267366	-1689702	SLD 3	5.486	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.117	8	0.159	0.041	0.113	SLV 13	No
449	0.23	33	0.284	0.087	0.239	SLV 13	No
770	0.356	77	0.402	0.135	0.372	SLV 13	No
478	0.396	95	0.438	0.15	0.413	SLV 13	No
741	0.58	209	0.605	0.217	0.597	SLV 13	No
508	0.65	268	0.67	0.242	0.665	SLV 13	No
712	0.957	640	0.957	0.349	0.958	SLV 13	No
537	1.1	897	1.099	0.399	1.096	SLV 13	Si
683	1.707	2474	1.666	0.573	1.575	SLV 13	Si
350	1.363	1574	1.384	0.489	1.343	SLV 3	Si
319	1.49	1998	1.527	0.532	1.461	SLV 3	Si
566	2.09	2474	1.666	0.573	1.575	SLV 13	Si
289	1.645	2474	1.666	0.573	1.575	SLV 3	Si
258	1.828	2474	1.666	0.573	1.575	SLV 3	Si
228	2.056	2474	1.666	0.573	1.575	SLV 3	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.266	5	0.329	0.034	0.24	SLD 13	No
449	0.521	23	0.616	0.072	0.511	SLD 13	No
770	0.807	55	0.881	0.114	0.808	SLD 13	No
478	0.895	67	0.955	0.126	0.896	SLD 13	No
741	1.313	143	1.303	0.183	1.299	SLD 13	Si
508	1.473	183	1.442	0.205	1.452	SLD 13	Si
712	2.163	423	2.032	0.295	2.089	SLD 13	Si
537	1.882	581	2.315	0.336	2.378	SLD 13	Si
683	3.859	1792	3.674	0.512	3.625	SLD 13	Si
566	4.719	2474	4.193	0.603	4.276	SLD 13	Si
350	3.083	984	2.873	0.414	2.93	SLD 3	Si
319	3.367	1247	3.166	0.45	3.188	SLD 3	Si
-22	5.345	2474	4.193	0.603	4.276	SLD 1	Si
-17	6.017	2474	4.193	0.603	4.276	SLD 1	Si
289	3.713	1617	3.522	0.493	3.496	SLD 3	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	4811	-19891	SLU 30	7752	3562	28003	2.5	1.61	-274	-21913	SLU 35	8015	3562	28275	2.5	29.3	Si
741	2X/2Y ø6/24.8	4811	-20040	SLU 30	7771	3562	28023	2.5	1.62	-274	-22062	SLU 35	8034	3562	28295	2.5	29.37	Si
712	2X/2Y ø6/24.8	4811	-20192	SLU 30	7791	3562	28043	2.5	1.62	-274	-22214	SLU 35	8054	3562	28315	2.5	29.45	Si
683	2X/2Y ø6/24.8	4811	-20344	SLU 30	7811	3562	28064	2.5	1.62	-274	-22365	SLU 35	8074	3562	28336	2.5	29.52	Si
653	2X/2Y ø6/24.8	4811	-20495	SLU 30	7830	3562	28084	2.5	1.63	-274	-22517	SLU 35	8093	3562	28356	2.5	29.59	Si
624	2X/2Y ø6/24.8	4811	-20647	SLU 30	7850	3562	28104	2.5	1.63	-274	-22669	SLU 35	8113	3562	28376	2.5	29.66	Si
595	2X/2Y ø6/24.8	4811	-20799	SLU 30	7870	3562	28125	2.5	1.64	-274	-22820	SLU 35	8133	3562	28397	2.5	29.73	Si
566	2X/2Y ø6/24.8	4811	-20950	SLU 30	7890	3562	28145	2.5	1.64	-274	-22972	SLU 35	8153	3562	28417	2.5	29.81	Si
537	2X/2Y ø6/24.8	4811	-21102	SLU 30	7909	3562	28166	2.5	1.64	-274	-23124	SLU 35	8172	3562	28438	2.5	29.88	Si
508	2X/2Y ø6/24.8	4811	-21254	SLU 30	7929	3562	28186	2.5	1.65	-274	-23275	SLU 35	8192	3562	28458	2.5	29.95	Si
478	2X/2Y ø6/24.8	4811	-21405	SLU 30	7949	3562	28206	2.5	1.65	-274	-23427	SLU 35	8212	3562	28479	2.5	30.02	Si
449	2X/2Y ø6/24.8	4811	-21557	SLU 30	7968	3562	28227	2.5	1.66	-274	-23579	SLU 35	8232	3562	28499	2.5	30.1	Si
420	2X/2Y ø6/24.8	4811	-21706	SLU 30	7988	3562	28247	2.5	1.66	-274	-23728	SLU 35	8251	3562	28519	2.5	30.17	Si
350	2X/2Y ø6/23.9	-326	-37259	SLU 26	11298	4223	37697	2.5	34.67	157	-39232	SLU 35	11559	4223	37967	2.5	73.45	Si
319	2X/2Y ø6/23.9	-326	-37457	SLU 26	11325	4223	37724	2.5	34.75	157	-39430	SLU 35	11586	4223	37994	2.5	73.61	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	11300	-18346	SLV 13	7551	3562	27795	2.5	0.67	-1269	-20604	SLV 11	7845	3562	28099	2.5	6.18	No
741	2X/2Y ø6/24.8	11300	-18461	SLV 13	7566	3562	27810	2.5	0.67	-1269	-20719	SLV 11	7859	3562	28114	2.5	6.19	No
712	2X/2Y ø6/24.8	11300	-18578	SLV 13	7581	3562	27826	2.5	0.67	-1269	-20836	SLV 11	7875	3562	28130	2.5	6.2	No
683	2X/2Y ø6/24.8	11300	-18694	SLV 13	7596	3562	27841	2.5	0.67	-1269	-20952	SLV 11	7890	3562	28145	2.5	6.22	No
653	2X/2Y ø6/24.8	11300	-18811	SLV 13	7611	3562	27857	2.5	0.67	-1269	-21069	SLV 11	7905	3562	28161	2.5	6.23	No
624	2X/2Y ø6/24.8	11300	-18928	SLV 13	7626	3562	27873	2.5	0.67	-1269	-21186	SLV 11	7920	3562	28177	2.5	6.24	No
595	2X/2Y ø6/24.8	11300	-19044	SLV 13	7642	3562	27889	2.5	0.68	-1269	-21302	SLV 11	7935	3562	28193	2.5	6.25	No
566	2X/2Y ø6/24.8	11300	-19161	SLV 13	7657	3562	27904	2.5	0.68	-1269	-21419	SLV 11	7951	3562	28208	2.5	6.26	No
537	2X/2Y ø6/24.8	11300	-19278	SLV 13	7672	3562	27920	2.5	0.68	-1269	-21536	SLV 11	7966	3562	28224	2.5	6.28	No
508	2X/2Y ø6/24.8	11300	-19394	SLV 13	7687	3562	27936	2.5	0.68	-1269	-21652	SLV 11	7981	3562	28240	2.5	6.29	No
478	2X/2Y ø6/24.8	11300	-19511	SLV 13	7702	3562	27951	2.5	0.68	-1269	-21769	SLV 11	7996	3562	28255	2.5	6.3	No
449	2X/2Y ø6/24.8	11300	-19628	SLV 13	7717	3562	27967	2.5	0.68	-1269	-21886	SLV 11	8011	3562	28271	2.5	6.31	No
420	2X/2Y ø6/24.8	11300	-19742	SLV 13	7732	3562	27983	2.5	0.68	-1269	-22000	SLV 11	8026	3562	28287	2.5	6.32	No
350	2X/2Y ø6/23.9	-2950	-21417	SLV 3	9202	4223	35528	2.5	3.12	-1098	-22413	SLV 5	9334	4223	35664	2.5	8.5	Si
319	2X/2Y ø6/23.9	-2950	-21569	SLV 3	9222	4223	35549	2.5	3.13	-1098	-22565	SLV 5	9354	4223	35685	2.5	8.52	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	6164	-16168	SLD 13	7267	3562	27501	2.5	1.18	-566	-16961	SLD 11	7370	3562	27608	2.5	13.03	Si
741	2X/2Y ø6/24.8	6164	-16282	SLD 13	7282	3562	27517	2.5	1.18	-566	-17076	SLD 11	7385	3562	27624	2.5	13.06	Si
712	2X/2Y ø6/24.8	6164	-16399	SLD 13	7297	3562	27533	2.5	1.18	-566	-17193	SLD 11	7401	3562	27639	2.5	13.08	Si
683	2X/2Y ø6/24.8	6164	-16516	SLD 13	7313	3562	27548	2.5	1.19	-566	-17309	SLD 11	7416	3562	27655	2.5	13.11	Si
653	2X/2Y ø6/24.8	6164	-16632	SLD 13	7328	3562	27564	2.5	1.19	-566	-17426	SLD 11	7431	3562	27671	2.5	13.14	Si
624	2X/2Y ø6/24.8	6164	-16749	SLD 13	7343	3562	27580	2.5	1.19	-566	-17543	SLD 11	7446	3562	27686	2.5	13.16	Si
595	2X/2Y ø6/24.8	6164	-16866	SLD 13	7358	3562	27595	2.5	1.19	-566	-17659	SLD 11	7461	3562	27702	2.5	13.19	Si
566	2X/2Y ø6/24.8	6164	-16982	SLD 13	7373	3562	27611	2.5	1.2	-566	-17776	SLD 11	7476	3562	27718	2.5	13.22	Si
537	2X/2Y ø6/24.8	6164	-17099	SLD 13	7388	3562	27627	2.5	1.2	-566	-17893	SLD 11	7492	3562	27734	2.5	13.24	Si
508	2X/2Y ø6/24.8	6164	-17216	SLD 13	7404	3562	27642	2.5	1.2	-566	-18009	SLD 11	7507	3562	27749	2.5	13.27	Si
478	2X/2Y ø6/24.8	6164	-17332	SLD 13	7419	3562	27658	2.5	1.2	-566	-18126	SLD 11	7522	3562	27765	2.5	13.3	Si
449	2X/2Y ø6/24.8	6164	-17449	SLD 13	7434	3562	27674	2.5	1.21	-566	-18243	SLD 11	7537	3562	27781	2.5	13.33	Si
420	2X/2Y ø6/24.8	6164	-17564	SLD 13	7449	3562	27689	2.5	1.21	-566	-18357	SLD 11	7552	3562	27796	2.5	13.35	Si
350	2X/2Y ø6/23.9	-1142	-26782	SLD 3	9912	4223	36262	2.5	8.68	528	-32240	SLD 11	10634	4223	37009	2.5	20.13	Si
319	2X/2Y ø6/23.9	-1142	-26934	SLD 3	9932	4223	36283	2.5	8.7	528	-32392	SLD 11	10654	4223	37030	2.5	20.17	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.498	151	0.529	0.187	0.515	SLV 13	No
741	0.5	153	0.532	0.189	0.518	SLV 13	No
712	0.502	154	0.534	0.189	0.52	SLV 13	No
683	0.504	155	0.535	0.19	0.521	SLV 13	No
653	0.506	156	0.537	0.19	0.523	SLV 13	No
624	0.508	158	0.539	0.191	0.526	SLV 13	No
595	0.512	160	0.542	0.192	0.529	SLV 13	No
566	0.514	161	0.544	0.193	0.53	SLV 13	No
537	0.516	163	0.546	0.194	0.534	SLV 13	No
508	0.518	164	0.548	0.195	0.535	SLV 13	No
478	0.52	165	0.549	0.195	0.536	SLV 13	No
449	0.521	167	0.552	0.196	0.539	SLV 13	No
420	0.523	168	0.553	0.197	0.541	SLV 13	No
350	2.562	2474	1.666	0.573	1.575	SLV 1	Si
319	2.567	2474	1.666	0.573	1.575	SLV 1	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	1.422	169	1.395	0.198	1.402	SLD 13	Si
741	1.426	171	1.402	0.199	1.407	SLD 13	Si
712	1.43	172	1.405	0.199	1.411	SLD 13	Si
683	1.438	174	1.412	0.2	1.419	SLD 13	Si
653	1.445	175	1.415	0.201	1.423	SLD 13	Si
624	1.449	176	1.419	0.201	1.428	SLD 13	Si
595	1.453	177	1.422	0.202	1.432	SLD 13	Si
566	1.461	180	1.432	0.203	1.44	SLD 13	Si
537	1.469	182	1.438	0.204	1.448	SLD 13	Si
508	1.473	183	1.442	0.205	1.452	SLD 13	Si
478	1.477	184	1.445	0.205	1.456	SLD 13	Si
449	1.484	186	1.451	0.207	1.464	SLD 13	Si
420	1.492	187	1.454	0.207	1.468	SLD 13	Si
350	7.289	2474	4.193	0.603	4.276	SLD 1	Si
319	7.31	2474	4.193	0.603	4.276	SLD 1	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 57A

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3	640813	2055855	-25214	270379	867428	SLU 29	0.422	No
350	18.1	0.9	0	3	-511822	-1863014	-22846	-238966	-869828	SLU 30	0.467	No
20	18.1	1.8	0	2,3	547426	1738071	-25022	285831	907509	SLU 29	0.522	No
320	18.1	0.9	0	3	-416995	-1541016	-23040	-249695	-922755	SLU 30	0.599	No
50	18.1	1.8	0	2,3	449952	1406378	-24822	311661	974134	SLU 29	0.693	No
290	18.1	0.9	0	3	-320560	-1213561	-23238	-268399	-1016092	SLU 30	0.837	No
80	18.1	0.9	0	3	353719	1078911	-24625	355796	1085244	SLU 29	1.006	Si
260	18.1	0.9	0	3	-224125	-886106	-23435	-303152	-1198550	SLU 30	1.353	Si
110	18.1	0.9	0	3	257487	751443	-24427	443747	1295022	SLU 29	1.723	Si
-80	18.1	0.9	0	2	-224529	-810863	-46350	-469319	-1694897	SLU 30	2.09	Si
-110	18.1	0.9	0	2	-189088	-755306	-46544	-434574	-1735890	SLU 30	2.298	Si
-140	18.1	0.9	0	2	-153047	-698808	-46741	-386071	-1762794	SLU 30	2.523	Si
-170	18.1	0.9	0	2	-117005	-642310	-46939	-323070	-1773521	SLU 30	2.761	Si
230	18.1	0.9	0	3	-127690	-558651	-23633	-365183	-1597695	SLU 30	2.86	Si
-200	18.1	0.9	0	2	-80382	-584901	-47139	-240734	-1751700	SLU 30	2.995	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	2,3	636382	3472664	-23612	142680	778590	SLV 1	0.224				No
20	18.1	1.8	0	2,3	543726	2962139	-23465	146143	796167	SLV 1	0.269				No
350	18.1	0.9	0	3	587589	-2822916	-21469	164580	-790683	SLV 3	0.28				No
50	18.1	1.8	0	2,3	447015	2429273	-23311	151608	823903	SLV 1	0.339				No
320	18.1	0.9	0	3	475992	-2305608	-21619	169226	-819697	SLV 3	0.356				No
80	18.1	0.9	0	3	351536	1903198	-23159	160780	870456	SLV 1	0.457				No
290	18.1	0.9	0	3	362505	-1779538	-21770	177476	-871231	SLV 3	0.49				No
110	18.1	0.9	0	3	256056	1377134	-23007	179721	966585	SLV 1	0.702				No
260	18.1	0.9	0	3	249018	-1253485	-21922	195644	-984814	SLV 3	0.786				No
-80	18.1	0.9	0	2	131623	-933606	-20315	154962	-1099150	SLV 15	1.177				Si
-110	18.1	0.9	0	2	109807	-869872	-20465	145268	-1150786	SLV 15	1.323				Si
140	18.1	0.9	0	3	761671	166125	-15328	1047683	228506	SLV 9	1.376				Si
-140	18.1	0.9	0	2	87624	-805059	-20617	132429	-1216707	SLV 15	1.511				Si
-170	18.1	0.9	0	2	65447	-740246	-20768	115126	-1302141	SLV 15	1.759				Si
230	18.1	0.9	0	3	135535	-727491	-22074	248289	-1332700	SLV 3	1.832				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3	529902	2294360	-20131	186872	809115	SLD 1	0.353	No
350	18.1	0.9	0	3	62262	-1937961	-18169	26450	-823291	SLD 3	0.425	No
20	18.1	1.8	0	2,3	452728	1951148	-19983	193534	834084	SLD 1	0.427	No
320	18.1	0.9	0	3	49532	-1590187	-18318	26847	-861913	SLD 3	0.542	No
50	18.1	1.8	0	2,3	372177	1592915	-19829	204346	874600	SLD 1	0.549	No
290	18.1	0.9	0	3	36586	-1236521	-18470	27563	-931556	SLD 3	0.753	No
80	18.1	0.9	0	3	292652	1239247	-19677	223237	945307	SLD 1	0.763	No
260	18.1	0.9	0	3	23641	-882863	-18622	29039	-1084467	SLD 3	1.228	Si
110	18.1	0.9	0	3	213126	885584	-19526	262779	1091900	SLD 1	1.233	Si
-80	18.1	0.9	0	2	-119344	-707745	-26962	-262888	-1559002	SLD 13	2.203	Si
-110	18.1	0.9	0	2	-99841	-659390	-27112	-249351	-1646824	SLD 13	1.897	Si
140	18.1	0.9	0	3	363911	376496	-17658	970465	1004025	SLD 5	2.667	Si
-140	18.1	0.9	0	2	-80005	-610216	-27263	-227435	-1734695	SLD 13	2.843	Si
230	18.1	0.9	0	3	-104965	-519042	-18918	-301353	-1490159	SLD 1	2.871	Si
-170	18.1	0.9	0	2	-60167	-561042	-27415	-194612	-1814695	SLD 13	3.235	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0	0	0	0	0	SLV 1	No
20	0	0	0	0	0	SLV 1	No
350	0	0	0	0	0	SLV 1	No
50	0.03	0	0	0	0	SLV 1	No
320	0	0	0	0	0	SLV 1	No
80	0.24	36	0.294	0.091	0.25	SLV 1	No
290	0.181	20	0.231	0.067	0.184	SLV 3	No
110	0.617	239	0.639	0.23	0.633	SLV 1	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
260	0.67	286	0.688	0.249	0.684	SLV 3	No
-80	1.18	1073	1.183	0.426	1.172	SLV 15	Si
-110	1.307	1406	1.322	0.469	1.29	SLV 15	Si
140	1.285	1346	1.298	0.462	1.27	SLV 9	Si
-140	1.449	1854	1.48	0.518	1.423	SLV 15	Si
-170	1.605	2438	1.656	0.57	1.567	SLV 15	Si
230	1.811	2474	1.666	0.573	1.575	SLV 9	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0	0	0	0	0	SLD 1	No
350	0	0	0	0	0	SLD 1	No
20	0	0	0	0	0	SLD 1	No
320	0	0	0	0	0	SLD 1	No
50	0.068	0	0	0	0	SLD 1	No
290	0.41	14	0.503	0.056	0.397	SLD 3	No
80	0.543	24	0.627	0.074	0.524	SLD 1	No
260	1.516	194	1.476	0.211	1.492	SLD 3	Si
110	1.395	163	1.375	0.194	1.377	SLD 1	Si
-80	2.664	689	1.883	0.359	2.546	SLD 15	Si
-110	2.951	883	2.748	0.396	2.808	SLD 15	Si
140	2.904	850	2.706	0.39	2.766	SLD 9	Si
-140	3.273	1157	3.07	0.438	3.104	SLD 15	Si
230	4.09	2094	3.916	0.54	3.83	SLD 9	Si
-170	3.631	1522	3.436	0.483	3.422	SLD 15	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-10915	-22846	SLU 30	9391	4203	35724	2.5	0.86	-3214	-22846	SLU 30	9391	4203	35724	2.5	2.92	No
320	2X/2Y ø6/24	-10915	-23040	SLU 30	9417	4203	35750	2.5	0.86	-3214	-23040	SLU 30	9417	4203	35750	2.5	2.93	No
290	2X/2Y ø6/24	-10915	-23238	SLU 30	9443	4203	35777	2.5	0.87	-3214	-23238	SLU 30	9443	4203	35777	2.5	2.94	No
260	2X/2Y ø6/24	-10915	-23435	SLU 30	9469	4203	35804	2.5	0.87	-3214	-23435	SLU 30	9469	4203	35804	2.5	2.95	No
230	2X/2Y ø6/24	-10915	-23633	SLU 30	9495	4203	35831	2.5	0.87	-3214	-23633	SLU 30	9495	4203	35831	2.5	2.95	No
200	2X/2Y ø6/24	-10915	-23831	SLU 30	9521	4203	35858	2.5	0.87	-3214	-23831	SLU 30	9521	4203	35858	2.5	2.96	No
170	2X/2Y ø6/24	-10915	-24028	SLU 30	9547	4203	35885	2.5	0.87	-3214	-24028	SLU 30	9547	4203	35885	2.5	2.97	No
140	2X/2Y ø6/24	-10915	-24225	SLU 30	9574	4203	35912	2.5	0.88	-3214	-24225	SLU 30	9574	4203	35912	2.5	2.98	No
110	2X/2Y ø6/24	-10915	-24423	SLU 30	9600	4203	35939	2.5	0.88	-3214	-24423	SLU 30	9600	4203	35939	2.5	2.99	No
80	2X/2Y ø6/24	-10915	-24620	SLU 30	9626	4203	35966	2.5	0.88	-3214	-24620	SLU 30	9626	4203	35966	2.5	2.99	No
50	2X/2Y ø6/24	-10915	-24817	SLU 30	9652	4203	35993	2.5	0.88	-3214	-24817	SLU 30	9652	4203	35993	2.5	3	No
20	2X/2Y ø6/24	-10915	-25017	SLU 30	9678	4203	36021	2.5	0.89	-3214	-25017	SLU 30	9678	4203	36021	2.5	3.01	No
-10	2X/2Y ø6/24	-10915	-25209	SLU 30	9704	4203	36047	2.5	0.89	-3214	-25209	SLU 30	9704	4203	36047	2.5	3.02	No
-80	2X/2Y ø6/24.7	-1883	-46350	SLU 30	12501	4082	38941	2.5	6.64	-1203	-46360	SLU 29	12503	4082	38942	2.5	10.39	Si
-110	2X/2Y ø6/24.7	-1883	-46544	SLU 30	12527	4082	38968	2.5	6.65	-1203	-46554	SLU 29	12528	4082	38969	2.5	10.41	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-20217	-23008	SLV 3	9413	4203	35746	2.5	0.47	-17811	-13934	SLV 9	8212	4203	34503	2.5	0.46	No
320	2X/2Y ø6/24	-20217	-23158	SLV 3	9432	4203	35766	2.5	0.47	-17811	-14083	SLV 9	8231	4203	34524	2.5	0.46	No
290	2X/2Y ø6/24	-20217	-23309	SLV 3	9452	4203	35787	2.5	0.47	-17811	-14235	SLV 9	8252	4203	34545	2.5	0.46	No
260	2X/2Y ø6/24	-20217	-23461	SLV 3	9472	4203	35808	2.5	0.47	-17811	-14387	SLV 9	8272	4203	34565	2.5	0.46	No
230	2X/2Y ø6/24	-20217	-23613	SLV 3	9493	4203	35828	2.5	0.47	-17811	-14539	SLV 9	8292	4203	34586	2.5	0.47	No
200	2X/2Y ø6/24	-20217	-23765	SLV 3	9513	4203	35849	2.5	0.47	-17811	-14691	SLV 9	8312	4203	34607	2.5	0.47	No
170	2X/2Y ø6/24	-20217	-23917	SLV 3	9533	4203	35870	2.5	0.47	-17811	-14842	SLV 9	8332	4203	34628	2.5	0.47	No
140	2X/2Y ø6/24	-20217	-24069	SLV 3	9553	4203	35891	2.5	0.47	-17811	-14994	SLV 9	8352	4203	34649	2.5	0.47	No
110	2X/2Y ø6/24	-20217	-24221	SLV 3	9573	4203	35912	2.5	0.47	-17811	-15146	SLV 9	8372	4203	34669	2.5	0.47	No
80	2X/2Y ø6/24	-20217	-24373	SLV 3	9593	4203	35932	2.5	0.47	-17811	-15298	SLV 9	8392	4203	34690	2.5	0.47	No
50	2X/2Y ø6/24	-20217	-24524	SLV 3	9613	4203	35953	2.5	0.48	-17811	-15450	SLV 9	8412	4203	34711	2.5	0.47	No
20	2X/2Y ø6/24	-20217	-24678	SLV 3	9634	4203	35974	2.5	0.48	-17811	-15604	SLV 9	8433	4203	34732	2.5	0.47	No
-10	2X/2Y ø6/24	-20217	-24826	SLV 3	9653	4203	35994	2.5	0.48	-17811	-15751	SLV 9	8452	4203	34752	2.5	0.47	No
-80	2X/2Y ø6/24.7	-2392	-17335	SLV 15	8662	4082	34969	2.5	3.62	-3710	-37220	SLV 5	11293	4082	37691	2.5	3.04	Si
-110	2X/2Y ø6/24.7	-2392	-17485	SLV 15	8682	4082	34990	2.5	3.63	-3710	-37370	SLV 5	11313	4082	37712	2.5	3.05	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-11789	-18169	SLD 3	8772	4203	35083	2.5	0.74	-7701	-14982	SLD 9	8350	4203	34647	2.5	1.08	No
320	2X/2Y ø6/24	-11789	-18318	SLD 3	8792	4203	35104	2.5	0.75	-7701	-15131	SLD 9	8370	4203	34667	2.5	1.09	No
290	2X/2Y ø6/24	-11789	-18470	SLD 3	8812	4203	35124	2.5	0.75	-7701	-15283	SLD 9	8390	4203	34688	2.5	1.09	No
260	2X/2Y ø6/24	-11789	-18622	SLD 3	8832	4203	35145	2.5	0.75	-7701	-15435	SLD 9	8410	4203	34709	2.5	1.09	No
230	2X/2Y ø6/24	-11789	-18774	SLD 3	8852	4203	35166	2.5	0.75	-7701	-15587	SLD 9	8430	4203	34730	2.5	1.09	No
200	2X/2Y ø6/24	-11789	-18926	SLD 3	8872	4203	35187	2.5	0.75	-7701	-15739	SLD 9	8451	4203	34751	2.5	1.1	No
170	2X/2Y ø6/24	-11789	-19078	SLD 3	8892	4203	35208	2.5	0.75	-7701	-15891	SLD 9	8471	4203	34771	2.5	1.1	No
140	2X/2Y ø6/24	-11789	-19230	SLD 3	8913	4203	35228	2.5	0.76	-7701	-16043	SLD 9	8491	4203	34792	2.5	1.1	No
110	2X/2Y ø6/24	-11789	-19382	SLD 3	8933	4203	35249	2.5	0.76	-7701	-16195	SLD 9	8511	4203	34813	2.5	1.11	No
80	2X/2Y ø6/24	-11789	-19533	SLD 3	8953	4203	35270	2.5	0.76	-7701	-16346	SLD 9	8531	4203	34834	2.5	1.11	No
50	2X/2Y ø6/24	-11789	-19685	SLD 3	8973	4203	35291	2.5	0.76	-7701	-16498	SLD 9	8551	4203	34854	2.5	1.11	No
20	2X/2Y ø6/24	-11789	-19839	SLD 3	8993	4203	35312	2.5	0.76	-7701	-16652	SLD 9	8571	4203	34876	2.5	1.11	No
-10	2X/2Y ø6/24	-11789	-19987	SLD 3	9013	4203	35332	2.5	0.76	-7701	-16799	SLD 9	8591	4203	34896	2.5	1.12	No
-80	2X/2Y ø6/24.7	-1664	-26705	SLD 15	9902	4082	36252	2.5	5.95	-1831	-33689	SLD 5	10826	4082	37208	2.5	5.91	Si
-110	2X/2Y ø6/24.7	-1664	-26854	SLD 15	9922	4082	36272	2.5	5.96	-1831	-33838	SLD 5	10846	4082	37228	2.5	5.92	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.1	6	0.141	0.035	0.097	SLV 3	No
320	0.102	6	0.141	0.035	0.097	SLV 3	No
290	0.104	6	0.141	0.035	0.097	SLV 3	No
260	0.105	7	0.15	0.038	0.105	SLV 3	No
230	0.106	7	0.15	0.038	0.105	SLV 3	No
200	0.108	7	0.15	0.038	0.105	SLV 3	No
170	0.109	7	0.15	0.038	0.105	SLV 3	No
140	0.111	7	0.15	0.038	0.105	SLV 3	No
110	0.113	8	0.159	0.041	0.113	SLV 3	No
80	0.115	8	0.159	0.041	0.113	SLV 3	No
50	0.117	8	0.159	0.041	0.113	SLV 3	No
20	0.118	8	0.159	0.041	0.113	SLV 3	No
-10	0.12	9	0.167	0.044	0.12	SLV 3	No
-80	3.15	2474	1.666	0.573	1.575	SLV 11	Si
-110	3.156	2474	1.666	0.573	1.575	SLV 11	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.285	6	0.355	0.037	0.264	SLD 3	No
320	0.289	6	0.355	0.037	0.264	SLD 3	No
290	0.293	6	0.355	0.037	0.264	SLD 3	No
260	0.297	6	0.355	0.037	0.264	SLD 3	No
230	0.305	7	0.378	0.04	0.286	SLD 3	No
200	0.309	7	0.378	0.04	0.286	SLD 3	No
170	0.313	7	0.378	0.04	0.286	SLD 3	No
140	0.316	7	0.378	0.04	0.286	SLD 3	No
110	0.32	8	0.399	0.043	0.307	SLD 3	No
80	0.328	8	0.399	0.043	0.307	SLD 3	No
50	0.332	8	0.399	0.043	0.307	SLD 3	No
20	0.336	8	0.399	0.043	0.307	SLD 3	No
-10	0.34	9	0.419	0.046	0.327	SLD 3	No
-80	8.969	2474	4.193	0.603	4.276	SLD 11	Si
-110	8.983	2474	4.193	0.603	4.276	SLD 11	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 58

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.6	-17.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	-17.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3,4,5	603994	-982548	-47953	785556	-1277904	SLU 29	1.301	Si
420	18.1	2.3	0	3,4,5,6	370099	-475850	-5475	500758	-643844	SLU 29	1.353	Si
350	18.1	0.9	0	3,4,5	-468213	944116	-45590	-689944	1391219	SLU 29	1.474	Si
449	18.1	2.3	0	3,4,5,6	316099	-431669	-5326	483258	-659943	SLU 29	1.529	Si
20	18.1	1.8	0	2,3,4,5	517044	-826306	-47761	825123	-1318657	SLU 29	1.596	Si
478	18.1	2.3	0	3,4,5,6	261158	-386717	-5174	459724	-680749	SLU 29	1.76	Si
-500	18.1	1.8	0	1,2	517191	-466259	-103166	955792	-861668	SLU 30	1.848	Si
320	18.1	0.9	0	3,4,5	-380107	785797	-45784	-707237	1462074	SLU 29	1.861	Si
-470	18.1	1.8	0	1,2	452287	-414557	-102972	877050	-803887	SLU 30	1.939	Si
-440	18.1	1.8	0	1,2	386283	-361979	-102775	785381	-735967	SLU 30	2.033	Si
50	18.1	1.8	0	2,3,4,5	426289	-663226	-47561	872272	-1357093	SLU 29	2.046	Si
508	18.1	1.1	0	6	206217	-341765	-5022	425791	-705668	SLU 29	2.065	Si
-80	18.1	0.9	0	2	-404668	268085	-100409	-855318	566631	SLU 30	2.114	Si
-410	18.1	0.9	0	2	320278	-309401	-102577	682577	-659395	SLU 30	2.131	Si
-110	18.1	0.9	0	2	-339764	216383	-100603	-749810	477525	SLU 30	2.207	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	2,3,4,5	4148720	466893	-36796	813062	91501	SLV 5	0.196				No
20	18.1	1.8	0	2,3,4,5	3554784	413392	-36649	837818	97431	SLV 5	0.236				No
350	18.1	0.9	0	3,4,5	-3175321	-193019	-34979	-851832	-51780	SLV 5	0.268				No
50	18.1	1.8	0	2,3,4,5	2934852	357552	-36495	877189	106868	SLV 5	0.299				No
420	18.1	2.3	0	3,4,5,6	1925444	-876725	-2504	595720	-271253	SLV 9	0.309				No
320	18.1	0.9	0	3,4,5	-2449854	844231	-27822	-849042	292584	SLV 9	0.347				No
449	18.1	2.3	0	3,4,5,6	1641030	-767216	-2389	596816	-279024	SLV 9	0.364				No
770	18.1	1.1	0	6	-1537227	456585	-1108	-594034	176439	SLV 9	0.386				No
80	18.1	0.9	0	3,4,5	2211562	-640695	-29037	885136	-256426	SLV 9	0.4				No
478	18.1	2.3	0	3,4,5,6	1351658	-655799	-2272	598404	-290335	SLV 9	0.443				No
741	18.1	1.1	0	6	-1252816	347080	-1222	-596659	165298	SLV 9	0.476				No

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
290	18.1	0.9	0	3,4,5	-1867179	658607	-27974	-915674	322984	SLV 9	0.49				No
508	18.1	1.1	0	6	497820	-1023476	771	280870	-577445	SLV 13	0.564				No
110	18.1	0.9	0	3,4,5	1628887	-455071	-28885	981275	-274144	SLV 9	0.602				No
712	18.1	1.1	0	6	-963448	235670	-1339	-600973	147005	SLV 9	0.624				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3,4,5	1978565	-881535	-32180	926062	-412600	SLD 9	0.468	No
20	18.1	1.8	0	2,3,4,5	1695145	-745472	-32033	974155	-428403	SLD 9	0.575	No
420	18.1	2.3	0	3,4,5,6	994163	-556123	-3821	615001	-344025	SLD 9	0.619	No
350	18.1	0.9	0	3,4,5	-1516376	796278	-30363	-970149	509443	SLD 9	0.64	No
449	18.1	2.3	0	3,4,5,6	847572	-492741	-3707	616763	-358559	SLD 9	0.728	No
50	18.1	1.8	0	2,3,4,5	1399321	-603454	-31879	1050902	-453199	SLD 9	0.751	No
770	18.1	1.1	0	6	-790540	215567	-2425	-616321	168060	SLD 9	0.78	No
320	18.1	0.9	0	3,4,5	-1229188	658405	-30512	-1046072	560321	SLD 9	0.851	No
478	18.1	2.3	0	3,4,5,6	380312	-695611	-2297	334134	-611150	SLD 13	0.879	No
741	18.1	1.1	0	6	-643950	152186	-2540	-625568	147842	SLD 9	0.971	No
80	18.1	0.9	0	3,4,5	1107265	-463245	-31727	1171449	-490098	SLD 9	1.058	Si
508	18.1	1.1	0	6	299598	-575595	-2181	320896	-616513	SLD 13	1.071	Si
290	18.1	0.9	0	3,4,5	-937132	518195	-30664	-1163336	643277	SLD 9	1.241	Si
712	18.1	1.1	0	6	-494805	87702	-2657	-641206	113651	SLD 9	1.296	Si
537	18.1	1.1	0	6	218888	-455583	-2064	300226	-624877	SLD 13	1.372	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.184	21	0.236	0.069	0.188	SLV 9	No
20	0.246	38	0.301	0.094	0.257	SLV 9	No
350	0.257	41	0.31	0.098	0.268	SLV 13	No
50	0.335	68	0.382	0.127	0.349	SLV 9	No
420	0.221	30	0.273	0.083	0.227	SLV 9	No
320	0.374	85	0.418	0.142	0.391	SLV 9	No
449	0.283	50	0.337	0.108	0.298	SLV 13	No
770	0.321	63	0.37	0.122	0.336	SLV 9	No
80	0.465	131	0.5	0.175	0.482	SLV 9	No
478	0.367	82	0.412	0.14	0.384	SLV 13	No
741	0.427	110	0.465	0.161	0.444	SLV 9	No
290	0.545	183	0.573	0.205	0.563	SLV 9	No
508	0.486	144	0.519	0.183	0.504	SLV 13	No
110	0.681	295	0.697	0.253	0.694	SLV 9	No
712	0.596	221	0.619	0.223	0.612	SLV 9	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.415	14	0.503	0.056	0.397	SLD 9	No
20	0.556	26	0.648	0.077	0.548	SLD 9	No
420	0.5	20	0.582	0.068	0.485	SLD 9	No
350	0.58	28	0.668	0.081	0.572	SLD 13	No
449	0.641	34	0.723	0.089	0.628	SLD 13	No
50	0.758	48	0.833	0.107	0.755	SLD 9	No
770	0.727	44	0.804	0.101	0.718	SLD 9	No
320	0.846	60	0.913	0.12	0.849	SLD 9	No
478	0.828	57	0.894	0.116	0.825	SLD 13	No
741	0.965	77	1.011	0.136	0.963	SLD 9	Si
80	1.051	92	1.087	0.148	1.049	SLD 9	Si
508	1.102	100	1.125	0.155	1.098	SLD 13	Si
290	1.232	126	1.237	0.173	1.225	SLD 9	Si
712	1.348	151	1.332	0.188	1.332	SLD 9	Si
537	1.535	200	1.495	0.213	1.512	SLD 13	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	5367	-45590	SLU 29	12401	4203	38837	2.5	2.31	-2987	-45590	SLU 29	12401	4203	38837	2.5	4.15	Si
320	2X/2Y ø6/24	5367	-45784	SLU 29	12427	4203	38864	2.5	2.32	-2987	-45784	SLU 29	12427	4203	38864	2.5	4.16	Si
290	2X/2Y ø6/24	5367	-45982	SLU 29	12453	4203	38891	2.5	2.32	-2987	-45982	SLU 29	12453	4203	38891	2.5	4.17	Si
260	2X/2Y ø6/24	5367	-46179	SLU 29	12479	4203	38918	2.5	2.33	-2987	-46179	SLU 29	12479	4203	38918	2.5	4.18	Si
230	2X/2Y ø6/24	5367	-46377	SLU 29	12505	4203	38945	2.5	2.33	-2987	-46377	SLU 29	12505	4203	38945	2.5	4.19	Si
200	2X/2Y ø6/24	5367	-46575	SLU 29	12531	4203	38972	2.5	2.33	-2987	-46575	SLU 29	12531	4203	38972	2.5	4.2	Si
170	2X/2Y ø6/24	5367	-46772	SLU 29	12557	4203	38999	2.5	2.34	-2987	-46772	SLU 29	12557	4203	38999	2.5	4.2	Si
140	2X/2Y ø6/24	5367	-46969	SLU 29	12583	4203	39026	2.5	2.34	-2987	-46969	SLU 29	12583	4203	39026	2.5	4.21	Si
110	2X/2Y ø6/24	5367	-47167	SLU 29	12609	4203	39053	2.5	2.35	-2987	-47167	SLU 29	12609	4203	39053	2.5	4.22	Si
80	2X/2Y ø6/24	5367	-47364	SLU 29	12636	4203	39080	2.5	2.35	-2987	-47364	SLU 29	12636	4203	39080	2.5	4.23	Si
50	2X/2Y ø6/24	5367	-47561	SLU 29	12662	4203	39107	2.5	2.36	-2993	-47822	SLU 30	12670	4203	39143	2.5	4.23	Si
20	2X/2Y ø6/24	5367	-47761	SLU 29	12670	4203	39134	2.5	2.36	-2993	-48022	SLU 30	12670	4203	39170	2.5	4.23	Si
-10	2X/2Y ø6/24	5367	-47953	SLU 29	12670	4203	39161	2.5	2.36	-2993	-48214	SLU 30	12670	4203	39196	2.5	4.23	Si
770	2X/2Y ø6/25	1541	-3660	SLU 29	5640	3526	25818	2.5	3.66	-1884	-3660	SLU 29	5640	3526	25818	2.5	2.99	Si
741	2X/2Y ø6/25	1541	-3809	SLU 29	5659	3526	25838	2.5	3.67	-1884	-3809	SLU 29	5659	3526	25838	2.5	3	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	20816	-17597	SLV 15	8696	4203	35005	2.5	0.42	-23941	-26418	SLV 9	9864	4203	36212	2.5	0.41	No
320	2X/2Y ø6/24	20816	-17746	SLV 15	8716	4203	35025	2.5	0.42	-23941	-26567	SLV 9	9883	4203	36233	2.5	0.41	No
290	2X/2Y ø6/24	20816	-17898	SLV 15	8736	4203	35046	2.5	0.42	-23941	-26719	SLV 9	9904	4203	36254	2.5	0.41	No
260	2X/2Y ø6/24	20816	-18050	SLV 15	8756	4203	35067	2.5	0.42	-23941	-26871	SLV 9	9924	4203	36274	2.5	0.41	No
230	2X/2Y ø6/24	20816	-18202	SLV 15	8777	4203	35088	2.5	0.42	-23941	-27023	SLV 9	9944	4203	36295	2.5	0.42	No
200	2X/2Y ø6/24	20816	-18354	SLV 15	8797	4203	35109	2.5	0.42	-23941	-27175	SLV 9	9964	4203	36316	2.5	0.42	No
170	2X/2Y ø6/24	20816	-18506	SLV 15	8817	4203	35129	2.5	0.42	-23941	-27326	SLV 9	9984	4203	36337	2.5	0.42	No
140	2X/2Y ø6/24	20816	-18658	SLV 15	8837	4203	35150	2.5	0.42	-23941	-27478	SLV 9	10004	4203	36358	2.5	0.42	No
110	2X/2Y ø6/24	20816	-18810	SLV 15	8857	4203	35171	2.5	0.43	-23941	-27630	SLV 9	10024	4203	36378	2.5	0.42	No
80	2X/2Y ø6/24	20816	-18961	SLV 15	8877	4203	35192	2.5	0.43	-23941	-27782	SLV 9	10044	4203	36399	2.5	0.42	No
50	2X/2Y ø6/24	20816	-19113	SLV 15	8897	4203	35212	2.5	0.43	-23941	-27934	SLV 9	10064	4203	36420	2.5	0.42	No
20	2X/2Y ø6/24	20816	-19267	SLV 15	8917	4203	35234	2.5	0.43	-23941	-28088	SLV 9	10085	4203	36441	2.5	0.42	No
-10	2X/2Y ø6/24	20816	-19415	SLV 15	8937	4203	35254	2.5	0.43	-23941	-28235	SLV 9	10104	4203	36461	2.5	0.42	No
770	2X/2Y ø6/25	9995	3193	SLV 13	5163	3526	25325	2.5	0.52	-12163	-494	SLV 9	5228	3526	25391	2.5	0.43	No
741	2X/2Y ø6/25	9995	3079	SLV 13	5163	3526	25325	2.5	0.52	-12163	-608	SLV 9	5243	3526	25407	2.5	0.43	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	9563	-27266	SLD 15	9976	4203	36329	2.5	1.04	-10168	-33595	SLD 5	10814	4203	37195	2.5	1.06	Si
320	2X/2Y ø6/24	9563	-27416	SLD 15	9996	4203	36349	2.5	1.05	-10168	-33744	SLD 5	10833	4203	37215	2.5	1.07	Si
290	2X/2Y ø6/24	9563	-27567	SLD 15	10016	4203	36370	2.5	1.05	-10168	-33896	SLD 5	10853	4203	37236	2.5	1.07	Si

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
260	2X/2Y ø6/24	9563	-27719	SLD 15	10036	4203	36391	2.5	1.05	-10168	-34048	SLD 5	10873	4203	37257	2.5	1.07	Si
230	2X/2Y ø6/24	9563	-27871	SLD 15	10056	4203	36411	2.5	1.05	-10168	-34200	SLD 5	10894	4203	37278	2.5	1.07	Si
200	2X/2Y ø6/24	9563	-28023	SLD 15	10076	4203	36432	2.5	1.05	-10168	-34352	SLD 5	10914	4203	37299	2.5	1.07	Si
170	2X/2Y ø6/24	9563	-28175	SLD 15	10096	4203	36453	2.5	1.06	-10168	-34504	SLD 5	10934	4203	37319	2.5	1.08	Si
140	2X/2Y ø6/24	9563	-28327	SLD 15	10116	4203	36474	2.5	1.06	-10168	-34656	SLD 5	10954	4203	37340	2.5	1.08	Si
110	2X/2Y ø6/24	9563	-28479	SLD 15	10136	4203	36495	2.5	1.06	-10168	-34808	SLD 5	10974	4203	37361	2.5	1.08	Si
80	2X/2Y ø6/24	9563	-28631	SLD 15	10157	4203	36515	2.5	1.06	-10168	-34959	SLD 5	10994	4203	37382	2.5	1.08	Si
50	2X/2Y ø6/24	9563	-28782	SLD 15	10177	4203	36536	2.5	1.06	-10168	-35111	SLD 5	11014	4203	37403	2.5	1.08	Si
20	2X/2Y ø6/24	9563	-28936	SLD 15	10197	4203	36557	2.5	1.07	-10168	-35265	SLD 5	11035	4203	37424	2.5	1.09	Si
-10	2X/2Y ø6/24	9563	-29084	SLD 15	10217	4203	36577	2.5	1.07	-10168	-35413	SLD 5	11054	4203	37444	2.5	1.09	Si
770	2X/2Y ø6/25	4115	-1133	SLD 13	5311	3526	25478	2.5	1.29	-5114	-2425	SLD 9	5479	3526	25651	2.5	1.07	Si
741	2X/2Y ø6/25	4115	-1247	SLD 13	5326	3526	25493	2.5	1.29	-5114	-2540	SLD 9	5494	3526	25667	2.5	1.07	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.373	84	0.416	0.141	0.389	SLV 15	No
320	0.374	85	0.418	0.142	0.391	SLV 15	No
290	0.375	85	0.418	0.142	0.391	SLV 15	No
260	0.376	86	0.42	0.143	0.393	SLV 15	No
230	0.377	86	0.42	0.143	0.393	SLV 15	No
200	0.378	87	0.422	0.144	0.395	SLV 15	No
170	0.379	87	0.422	0.144	0.395	SLV 15	No
140	0.38	87	0.422	0.144	0.395	SLV 15	No
110	0.381	88	0.424	0.145	0.398	SLV 15	No
80	0.382	88	0.424	0.145	0.398	SLV 15	No
50	0.383	89	0.426	0.146	0.4	SLV 15	No
20	0.384	89	0.426	0.146	0.4	SLV 15	No
-10	0.385	90	0.428	0.146	0.402	SLV 15	No
770	0.384	89	0.426	0.146	0.4	SLV 9	No
741	0.385	90	0.428	0.146	0.402	SLV 9	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.061	93	1.092	0.149	1.055	SLD 15	Si
320	1.063	93	1.092	0.149	1.055	SLD 15	Si
290	1.066	94	1.097	0.15	1.061	SLD 15	Si
260	1.07	95	1.102	0.151	1.067	SLD 15	Si
230	1.072	95	1.102	0.151	1.067	SLD 15	Si
200	1.074	95	1.102	0.151	1.067	SLD 15	Si
170	1.078	96	1.107	0.151	1.073	SLD 15	Si
140	1.082	97	1.111	0.152	1.08	SLD 15	Si
110	1.086	97	1.111	0.152	1.08	SLD 15	Si
80	1.088	97	1.111	0.152	1.08	SLD 15	Si
50	1.09	98	1.116	0.153	1.086	SLD 15	Si
20	1.094	98	1.116	0.153	1.086	SLD 15	Si
-10	1.098	99	1.121	0.154	1.092	SLD 15	Si
770	1.094	98	1.116	0.153	1.086	SLD 9	Si
741	1.096	99	1.121	0.154	1.092	SLD 9	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 59

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	314439	734065	-32487	453865	1059558	SLU 30	1.443	Si
449	18.1	2.3	0	2,3,4,5	267297	634866	-32338	465988	1106782	SLU 30	1.743	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
478	18.1	2.3	0	2,3,4,5	219333	533936	-32186	470815	1146135	SLU 30	2.147	Si
770	18.1	1.1	0	5	-256149	-496086	-32933	-557507	-1079730	SLU 36	2.176	Si
508	18.1	1.1	0	5	171368	433006	-32035	469879	1187268	SLU 30	2.742	Si
741	18.1	1.1	0	5	-209720	-395346	-33082	-581472	-1096140	SLU 36	2.773	Si
350	18.1	0.9	0	2,3,4	-217782	-469664	-59525	-621951	-1341290	SLU 30	2.856	Si
320	18.1	0.9	0	2,3,4	-199316	-441555	-59720	-586725	-1299802	SLU 30	2.944	Si
290	18.1	0.9	0	2,3,4	-180538	-412970	-59917	-547437	-1252230	SLU 30	3.032	Si
260	18.1	0.9	0	2,3,4	-161759	-384384	-60114	-505319	-1200776	SLU 30	3.124	Si
230	18.1	0.9	0	2,3,4	-142981	-355799	-60312	-459650	-1143811	SLU 30	3.215	Si
200	18.1	0.9	0	2,3,4	-124162	-327152	-60510	-410696	-1082133	SLU 30	3.308	Si
170	18.1	0.9	0	2,3,4	-105424	-298628	-60707	-358310	-1014961	SLU 30	3.399	Si
140	18.1	0.9	0	2,3,4	-86646	-270043	-60904	-302509	-942810	SLU 30	3.491	Si
537	18.1	1.1	0	5	120948	322132	-34143	428276	1140661	SLU 36	3.541	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	2,3,4,5	-428464	2027041	-23318	-150355	711322	SLV 3	0.351				No
-10	18.1	1.8	0	1,2,3,4	51045	2384668	-38328	20496	957505	SLV 1	0.402				No
350	18.1	0.9	0	2,3,4	-551488	-2261425	-36511	-231801	-950519	SLV 1	0.42				No
449	18.1	2.3	0	2,3,4,5	-366766	1729839	-23204	-156201	736716	SLV 3	0.426				No
770	18.1	1.1	0	5	322765	-1591626	-21922	150437	-741838	SLV 3	0.466				No
20	18.1	1.8	0	1,2,3,4	-2276	-2191121	-48861	-1164	-1120700	SLV 15	0.511				No
478	18.1	2.3	0	2,3,4,5	-303993	1427460	-23087	-165443	776871	SLV 3	0.544				No
320	18.1	0.9	0	2,3,4	-503731	-1879662	-36660	-274373	-1023817	SLV 1	0.545				No
741	18.1	1.1	0	5	261069	-1294433	-22037	159294	-789813	SLV 3	0.61				No
50	18.1	1.8	0	1,2,3,4	23334	-1842314	-48708	15957	-1259908	SLV 15	0.684				No
290	18.1	0.9	0	2,3,4	-1543282	-750936	-39662	-1083083	-527011	SLV 5	0.702				No
508	18.1	1.1	0	5	-241222	1125095	-22970	-180419	841501	SLV 3	0.748				No
260	18.1	0.9	0	2,3,4	-1376865	-588851	-39814	-1171926	-501204	SLV 5	0.851				No
712	18.1	1.1	0	5	198301	-992070	-22154	174641	-873701	SLV 3	0.881				No
80	18.1	0.9	0	2,3,4	45929	-1497956	-48556	44980	-1467002	SLV 15	0.979				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-64340	1184983	-23747	-45653	840804	SLD 3	0.71	No
449	18.1	2.3	0	2,3,4,5	-55822	1014047	-23632	-49605	901107	SLD 3	0.889	No
770	18.1	1.1	0	5	-300150	-861824	-22271	-311390	-894098	SLD 1	1.037	Si
350	18.1	0.9	0	2,3,4	-329340	-1186171	-39488	-376516	-1356083	SLD 1	1.143	Si
478	18.1	2.3	0	2,3,4,5	257989	810366	-23435	301932	948393	SLD 1	1.17	Si
741	18.1	1.1	0	5	-245194	-697208	-22385	-343682	-977257	SLD 1	1.402	Si
320	18.1	0.9	0	2,3,4	-834638	-577526	-40899	-1211175	-838069	SLD 5	1.451	Si
-10	18.1	1.8	0	1,2,3,4	-15559	-1156606	-46031	-22769	-1692628	SLD 15	1.463	Si
508	18.1	1.1	0	5	202074	642884	-23319	330529	1051552	SLD 1	1.636	Si
290	18.1	0.9	0	2,3,4	-753641	-493570	-41050	-1277496	-836650	SLD 5	1.695	Si
20	18.1	1.8	0	1,2,3,4	-5428	-1020605	-45884	-9606	-1806205	SLD 15	1.77	Si
260	18.1	0.9	0	2,3,4	-672643	-409620	-41202	-1350675	-822522	SLD 5	2.008	Si
712	18.1	1.1	0	5	-189278	-529726	-22502	-392172	-1097557	SLD 1	2.072	Si
50	18.1	1.8	0	1,2,3,4	-1545	-878653	-45730	-3330	-1894103	SLD 15	2.156	Si
230	18.1	0.9	0	2,3,4	-591645	-325688	-41354	-1437507	-791317	SLD 5	1.83	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.272	46	0.325	0.104	0.285	SLV 1	No
-10	0.565	197	0.59	0.212	0.582	SLV 15	No
350	0.496	150	0.528	0.187	0.514	SLV 1	No
449	0.381	88	0.424	0.145	0.398	SLV 1	No
770	0.462	130	0.498	0.175	0.48	SLV 3	No
20	0.653	270	0.672	0.243	0.667	SLV 15	No
478	0.532	174	0.561	0.2	0.55	SLV 3	No
320	0.617	239	0.639	0.23	0.633	SLV 1	No
741	0.631	250	0.651	0.235	0.645	SLV 3	No
50	0.784	402	0.791	0.288	0.792	SLV 15	No
290	0.752	367	0.762	0.277	0.761	SLV 5	No
508	0.757	373	0.767	0.279	0.767	SLV 3	No
260	0.883	526	0.883	0.323	0.886	SLV 5	No
712	0.897	548	0.898	0.328	0.901	SLV 3	No
80	0.986	688	0.986	0.359	0.987	SLV 15	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.615	31	0.696	0.086	0.606	SLD 1	No
449	0.861	61	0.919	0.121	0.857	SLD 1	No
770	1.043	89	1.073	0.146	1.036	SLD 3	Si
350	1.121	104	1.143	0.157	1.115	SLD 1	Si
478	1.203	120	1.213	0.168	1.193	SLD 3	Si
741	1.428	172	1.405	0.199	1.411	SLD 3	Si
320	1.395	163	1.375	0.194	1.377	SLD 1	Si
-10	1.277	135	1.273	0.178	1.265	SLD 15	Si
508	1.711	253	1.646	0.236	1.674	SLD 3	Si
290	1.699	250	1.638	0.235	1.664	SLD 5	Si
20	1.477	184	1.445	0.205	1.456	SLD 15	Si
260	1.996	354	1.889	0.273	1.935	SLD 5	Si
712	2.031	369	1.922	0.278	1.969	SLD 3	Si
50	1.771	273	1.698	0.244	1.73	SLD 15	Si
230	2.383	526	2.222	0.323	2.287	SLD 5	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-3460	-30672	SLU 30	9155	3526	29454	2.5	2.65	-1637	-30060	SLU 29	9075	3526	29372	2.5	5.54	Si
741	2X/2Y ø6/25	-3460	-30821	SLU 30	9174	3526	29474	2.5	2.65	-1637	-30209	SLU 29	9094	3526	29392	2.5	5.56	Si
712	2X/2Y ø6/25	-3460	-30973	SLU 30	9194	3526	29494	2.5	2.66	-1637	-30361	SLU 29	9114	3526	29412	2.5	5.57	Si
683	2X/2Y ø6/25	-3460	-31125	SLU 30	9213	3526	29515	2.5	2.66	-1637	-30513	SLU 29	9134	3526	29432	2.5	5.58	Si
653	2X/2Y ø6/25	-3460	-31276	SLU 30	9233	3526	29535	2.5	2.67	-1637	-30664	SLU 29	9154	3526	29453	2.5	5.59	Si
624	2X/2Y ø6/25	-3460	-31428	SLU 30	9253	3526	29556	2.5	2.67	-1637	-30816	SLU 29	9173	3526	29473	2.5	5.6	Si
595	2X/2Y ø6/25	-3460	-31580	SLU 30	9273	3526	29576	2.5	2.68	-1637	-30968	SLU 29	9193	3526	29494	2.5	5.62	Si
566	2X/2Y ø6/25	-3460	-31731	SLU 30	9292	3526	29596	2.5	2.69	-1637	-31119	SLU 29	9213	3526	29514	2.5	5.63	Si
537	2X/2Y ø6/25	-3460	-31883	SLU 30	9312	3526	29617	2.5	2.69	-1637	-31271	SLU 29	9233	3526	29534	2.5	5.64	Si
508	2X/2Y ø6/25	-3460	-32035	SLU 30	9332	3526	29637	2.5	2.7	-1637	-31423	SLU 29	9252	3526	29555	2.5	5.65	Si
478	2X/2Y ø6/25	-3460	-32186	SLU 30	9352	3526	29658	2.5	2.7	-1637	-31574	SLU 29	9272	3526	29575	2.5	5.66	Si
449	2X/2Y ø6/25	-3460	-32338	SLU 30	9371	3526	29678	2.5	2.71	-1637	-31726	SLU 29	9292	3526	29596	2.5	5.68	Si
420	2X/2Y ø6/25	-3460	-32487	SLU 30	9391	3526	29698	2.5	2.71	-1637	-31875	SLU 29	9311	3526	29616	2.5	5.69	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-966	-54798	SLU 20	12670	4203	40098	2.5	13.12	-626	-59525	SLU 30	12670	4203	40745	2.5	20.24	Si
290	2X/2Y ø6/24	-966	-55190	SLU 20	12670	4203	40151	2.5	13.12	-626	-59917	SLU 30	12670	4203	40745	2.5	20.24	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-12421	-21725	SLV 3	7990	3526	28249	2.5	0.64	-11997	-22621	SLV 9	8107	3526	28370	2.5	0.68	No
741	2X/2Y ø6/25	-12421	-21840	SLV 3	8005	3526	28265	2.5	0.64	-11997	-22736	SLV 9	8122	3526	28386	2.5	0.68	No
712	2X/2Y ø6/25	-12421	-21956	SLV 3	8020	3526	28281	2.5	0.65	-11997	-22852	SLV 9	8137	3526	28401	2.5	0.68	No
683	2X/2Y ø6/25	-12421	-22073	SLV 3	8036	3526	28296	2.5	0.65	-11997	-22969	SLV 9	8152	3526	28417	2.5	0.68	No
653	2X/2Y ø6/25	-12421	-22190	SLV 3	8051	3526	28312	2.5	0.65	-11997	-23086	SLV 9	8167	3526	28433	2.5	0.68	No
624	2X/2Y ø6/25	-12421	-22306	SLV 3	8066	3526	28328	2.5	0.65	-11997	-23202	SLV 9	8183	3526	28448	2.5	0.68	No
595	2X/2Y ø6/25	-12421	-22423	SLV 3	8081	3526	28343	2.5	0.65	-11997	-23319	SLV 9	8198	3526	28464	2.5	0.68	No
566	2X/2Y ø6/25	-12421	-22540	SLV 3	8096	3526	28359	2.5	0.65	-11997	-23436	SLV 9	8213	3526	28480	2.5	0.68	No
537	2X/2Y ø6/25	-12421	-22656	SLV 3	8112	3526	28375	2.5	0.65	-11997	-23552	SLV 9	8228	3526	28495	2.5	0.69	No
508	2X/2Y ø6/25	-12421	-22773	SLV 3	8127	3526	28391	2.5	0.65	-11997	-23669	SLV 9	8243	3526	28511	2.5	0.69	No
478	2X/2Y ø6/25	-12421	-22890	SLV 3	8142	3526	28406	2.5	0.66	-11997	-23786	SLV 9	8259	3526	28527	2.5	0.69	No
449	2X/2Y ø6/25	-12421	-23006	SLV 3	8157	3526	28422	2.5	0.66	-11997	-23902	SLV 9	8274	3526	28543	2.5	0.69	No
420	2X/2Y ø6/25	-12421	-23121	SLV 3	8172	3526	28437	2.5	0.66	-11997	-24017	SLV 9	8289	3526	28558	2.5	0.69	No
350	2X/2Y ø6/24	-16116	-35122	SLV 1	11016	4203	37404	2.5	0.68	-6875	-38714	SLV 5	11491	4203	37896	2.5	1.67	No
320	2X/2Y ø6/24	-16116	-35271	SLV 1	11035	4203	37424	2.5	0.68	-6875	-38863	SLV 5	11511	4203	37916	2.5	1.67	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-5963	-22351	SLD 3	8072	3526	28334	2.5	1.35	-4975	-22658	SLD 9	8112	3526	28375	2.5	1.63	Si
741	2X/2Y ø6/25	-5963	-22465	SLD 3	8087	3526	28349	2.5	1.36	-4975	-22773	SLD 9	8127	3526	28390	2.5	1.63	Si
712	2X/2Y ø6/25	-5963	-22582	SLD 3	8102	3526	28365	2.5	1.36	-4975	-22889	SLD 9	8142	3526	28406	2.5	1.64	Si
683	2X/2Y ø6/25	-5963	-22699	SLD 3	8117	3526	28381	2.5	1.36	-4975	-23006	SLD 9	8157	3526	28422	2.5	1.64	Si
653	2X/2Y ø6/25	-5963	-22815	SLD 3	8132	3526	28396	2.5	1.36	-4975	-23123	SLD 9	8172	3526	28438	2.5	1.64	Si
624	2X/2Y ø6/25	-5963	-22932	SLD 3	8147	3526	28412	2.5	1.37	-4975	-23239	SLD 9	8187	3526	28453	2.5	1.65	Si
595	2X/2Y ø6/25	-5963	-23049	SLD 3	8163	3526	28428	2.5	1.37	-4975	-23356	SLD 9	8203	3526	28469	2.5	1.65	Si
566	2X/2Y ø6/25	-5963	-23165	SLD 3	8178	3526	28443	2.5	1.37	-4975	-23473	SLD 9	8218	3526	28485	2.5	1.65	Si
537	2X/2Y ø6/25	-5963	-23282	SLD 3	8193	3526	28459	2.5	1.37	-4975	-23589	SLD 9	8233	3526	28500	2.5	1.66	Si
508	2X/2Y ø6/25	-5963	-23399	SLD 3	8208	3526	28475	2.5	1.38	-4975	-23706	SLD 9	8248	3526	28516	2.5	1.66	Si
478	2X/2Y ø6/25	-5963	-23515	SLD 3	8223	3526	28490	2.5	1.38	-4975	-23823	SLD 9	8263	3526	28532	2.5	1.66	Si
449	2X/2Y ø6/25	-5963	-23632	SLD 3	8239	3526	28506	2.5	1.38	-4975	-23939	SLD 9	8278	3526	28548	2.5	1.66	Si
420	2X/2Y ø6/25	-5963	-23747	SLD 3	8253	3526	28522	2.5	1.38	-4975	-24054	SLD 9	8293	3526	28563	2.5	1.67	Si
350	2X/2Y ø6/24	-6134	-39488	SLD 1	11593	4203	38002	2.5	1.89	-2803	-42089	SLD 9	11938	4203	38358	2.5	4.26	Si
320	2X/2Y ø6/24	-6134	-39638	SLD 1	11613	4203	38022	2.5	1.89	-2803	-42238	SLD 9	11957	4203	38378	2.5	4.27	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.561	194	0.587	0.21	0.578	SLV 3	No
741	0.562	195	0.588	0.211	0.579	SLV 3	No
712	0.563	195	0.588	0.211	0.579	SLV 3	No
683	0.564	197	0.59	0.212	0.582	SLV 3	No
653	0.566	198	0.592	0.212	0.583	SLV 3	No
624	0.568	200	0.594	0.213	0.586	SLV 3	No
595	0.569	200	0.594	0.213	0.586	SLV 3	No
566	0.57	201	0.595	0.214	0.587	SLV 3	No
537	0.572	202	0.597	0.214	0.589	SLV 3	No
508	0.574	204	0.599	0.215	0.591	SLV 3	No
478	0.575	205	0.6	0.216	0.592	SLV 3	No
449	0.576	206	0.601	0.216	0.594	SLV 3	No
420	0.578	207	0.603	0.216	0.595	SLV 3	No
350	0.687	301	0.703	0.254	0.699	SLV 1	No
320	0.688	302	0.704	0.255	0.7	SLV 1	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	1.598	218	1.549	0.221	1.569	SLD 3	Si
741	1.602	219	1.552	0.222	1.572	SLD 3	Si
712	1.605	220	1.555	0.222	1.576	SLD 3	Si
683	1.609	221	1.557	0.223	1.58	SLD 3	Si
653	1.613	222	1.56	0.223	1.583	SLD 3	Si
624	1.617	223	1.563	0.224	1.587	SLD 3	Si
595	1.621	225	1.569	0.224	1.591	SLD 3	Si
566	1.625	226	1.572	0.225	1.594	SLD 3	Si
537	1.633	228	1.578	0.226	1.601	SLD 3	Si
508	1.633	228	1.578	0.226	1.601	SLD 3	Si
478	1.641	232	1.589	0.227	1.611	SLD 3	Si
449	1.645	233	1.592	0.228	1.615	SLD 3	Si
420	1.648	234	1.594	0.228	1.618	SLD 3	Si
350	1.957	340	1.858	0.268	1.9	SLD 1	Si
320	1.957	340	1.858	0.268	1.9	SLD 1	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 60

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-4051	-957784	-20610	-3674	-868668	SLU 30	0.907	No
449	18.1	2.3	0	2,3,4,5	-12005	-821245	-20061	-13536	-925966	SLU 29	1.128	Si
770	18.1	1.1	0	5	-107988	686915	-20395	-159612	1015300	SLU 36	1.478	Si
478	18.1	2.3	0	2,3,4,5	-19694	-688395	-19909	-29303	-1024232	SLU 29	1.488	Si
741	18.1	1.1	0	5	-99286	553582	-20544	-203980	1137314	SLU 36	2.054	Si
508	18.1	1.1	0	5	-27384	-555545	-19757	-57461	-1165721	SLU 29	2.098	Si
712	18.1	1.1	0	5	-90442	421006	-21183	-274937	1279827	SLU 35	3.04	Si
537	18.1	1.1	0	5	-35074	-422695	-19606	-110435	-1330924	SLU 29	3.149	Si
683	18.1	1.1	0	5	-81353	295281	-21335	-351550	1275999	SLU 35	4.321	Si
-22	0	0.9	0	1	-2531	11120	-42476	-11350	49866	SLU 36	4.485	Si
-17	1.47	0.9	0	1	-1818	10294	-42440	-8285	46914	SLU 36	4.557	Si
566	18.1	1.1	0	5	-42763	-289845	-19454	-202191	-1370426	SLU 29	4.728	Si
14	17.38	1.8	0	1,2,3,4	2083	5777	-42242	11103	30799	SLU 36	5.331	Si
44	18.1	1.8	0	1,2,3,4	6048	1186	-42040	32602	6391	SLU 36	5.39	Si
75	18.1	0.9	0	2,3,4	10058	-3458	-41837	54483	-18732	SLU 36	5.417	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	2,3,4,5	-65169	-1882115	-18945	-24115	-696463	SLV 13	0.37				No
449	18.1	2.3	0	2,3,4,5	-67536	-1612294	-18830	-30007	-716352	SLV 13	0.444				No
770	18.1	1.1	0	5	-102874	1405906	-17549	-53143	726267	SLV 13	0.517				No
478	18.1	2.3	0	2,3,4,5	-69897	-1337820	-18713	-39026	-746955	SLV 13	0.558				No
741	18.1	1.1	0	5	-101587	1136184	-17663	-68742	768830	SLV 13	0.677				No
508	18.1	1.1	0	5	-72191	-1063440	-18597	-54211	-798578	SLV 13	0.751				No
712	18.1	1.1	0	5	-101219	861899	-17780	-99769	849547	SLV 13	0.986				No
537	18.1	1.1	0	5	-74385	-789258	-18480	-84968	-901546	SLV 13	1.142				Si
683	18.1	1.1	0	5	-102107	587952	-17897	-177691	1023178	SLV 13	1.74				Si
350	18.1	0.9	0	2,3,4	-106081	-685214	-20622	-207780	-1342119	SLV 1	1.959				Si
566	18.1	1.1	0	5	-76427	-515624	-18363	-166958	-1126405	SLV 13	2.185				Si
319	18.1	0.9	0	2,3,4	77775	-629093	-21347	182183	-1473615	SLV 3	2.342				Si
289	18.1	0.9	0	2,3,4	70445	-564680	-21501	199147	-1596353	SLV 3	2.827				Si
258	18.1	0.9	0	2,3,4	63114	-500371	-21656	216374	-1715434	SLV 3	3.428				Si
653	18.1	1.1	0	5	-104356	315236	-18013	-398590	1204055	SLV 13	3.82				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-29951	-1201836	-17090	-18705	-750565	SLD 13	0.625	No
449	18.1	2.3	0	2,3,4,5	-34249	-1030521	-16975	-26035	-783378	SLD 13	0.76	No
770	18.1	1.1	0	5	-86201	885200	-15694	-78096	801968	SLD 13	0.906	No
478	18.1	2.3	0	2,3,4,5	-38600	-856242	-16858	-37641	-834959	SLD 13	0.975	No
741	18.1	1.1	0	5	-82382	713929	-15808	-101164	876701	SLD 13	1.228	Si
508	18.1	1.1	0	5	-42922	-682004	-16742	-58265	-925782	SLD 13	1.357	Si
712	18.1	1.1	0	5	-78912	539733	-15925	-148386	1014914	SLD 13	1.88	Si
537	18.1	1.1	0	5	-47200	-507854	-16625	-101507	-1092172	SLD 13	2.151	Si
683	18.1	1.1	0	5	-75998	365686	-16042	-253316	1218900	SLD 13	3.333	Si
566	18.1	1.1	0	5	-51411	-333946	-16508	-203678	-1323012	SLD 13	3.962	Si
350	18.1	0.9	0	2,3,4	92140	253531	-32554	493512	1357934	SLD 15	5.356	Si
-22	0	0.9	0	1	-5106	51689	-34435	-28244	285928	SLD 15	5.532	Si
-17	1.47	0.9	0	1	-3808	47356	-34407	-21406	266208	SLD 15	5.621	Si
319	18.1	0.9	0	2,3,4	84287	216871	-32706	479167	1232896	SLD 15	5.685	Si
289	18.1	0.9	0	2,3,4	76304	195053	-32861	449780	1149756	SLD 15	5.895	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.138	12	0.187	0.051	0.14	SLV 13	No
449	0.254	40	0.307	0.096	0.265	SLV 13	No
770	0.373	84	0.416	0.141	0.389	SLV 13	No
478	0.424	109	0.463	0.161	0.442	SLV 13	No
741	0.6	224	0.622	0.224	0.615	SLV 13	No
508	0.689	304	0.705	0.255	0.702	SLV 13	No
712	0.984	685	0.984	0.358	0.985	SLV 13	No
537	1.164	1036	1.166	0.421	1.157	SLV 13	Si
683	1.758	2474	1.666	0.573	1.575	SLV 13	Si
350	1.453	1868	1.485	0.519	1.426	SLV 1	Si
566	2.236	2474	1.666	0.573	1.575	SLV 13	Si
319	1.588	2368	1.637	0.564	1.551	SLV 3	Si
289	1.74	2474	1.666	0.573	1.575	SLV 3	Si
258	1.924	2474	1.666	0.573	1.575	SLV 3	Si
653	3.341	2474	1.666	0.573	1.575	SLV 3	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.311	7	0.378	0.04	0.286	SLD 13	No
449	0.574	27	0.658	0.079	0.56	SLD 13	No
770	0.842	59	0.906	0.119	0.841	SLD 13	No
478	0.957	76	1.005	0.135	0.955	SLD 13	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
741	1.355	154	1.343	0.189	1.341	SLD 13	Si
508	1.559	206	1.513	0.216	1.531	SLD 13	Si
712	2.225	449	2.083	0.302	2.143	SLD 13	Si
537	2.629	667	1.85	0.355	2.513	SLD 13	Si
683	3.971	1934	3.79	0.526	3.724	SLD 13	Si
566	5.061	2474	4.193	0.603	4.276	SLD 13	Si
350	3.282	1165	3.079	0.439	3.111	SLD 1	Si
-22	5.462	2474	4.193	0.603	4.276	SLD 3	Si
-17	6.153	2474	4.193	0.603	4.276	SLD 3	Si
319	3.587	1474	3.391	0.478	3.384	SLD 3	Si
289	3.933	1884	3.75	0.521	3.69	SLD 3	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	4607	-18795	SLU 30	7609	3562	27855	2.5	1.65	-312	-20883	SLU 35	7881	3562	28136	2.5	25.29	Si
741	2X/2Y ø6/24.8	4607	-18944	SLU 30	7628	3562	27875	2.5	1.66	-312	-21032	SLU 35	7900	3562	28156	2.5	25.35	Si
712	2X/2Y ø6/24.8	4607	-19096	SLU 30	7648	3562	27896	2.5	1.66	-312	-21183	SLU 35	7920	3562	28177	2.5	25.41	Si
683	2X/2Y ø6/24.8	4607	-19247	SLU 30	7668	3562	27916	2.5	1.66	-312	-21335	SLU 35	7940	3562	28197	2.5	25.48	Si
653	2X/2Y ø6/24.8	4607	-19399	SLU 30	7688	3562	27936	2.5	1.67	-312	-21487	SLU 35	7959	3562	28217	2.5	25.54	Si
624	2X/2Y ø6/24.8	4607	-19551	SLU 30	7707	3562	27957	2.5	1.67	-312	-21638	SLU 35	7979	3562	28238	2.5	25.6	Si
595	2X/2Y ø6/24.8	4607	-19702	SLU 30	7727	3562	27977	2.5	1.68	-312	-21790	SLU 35	7999	3562	28258	2.5	25.67	Si
566	2X/2Y ø6/24.8	4607	-19854	SLU 30	7747	3562	27998	2.5	1.68	-312	-21942	SLU 35	8019	3562	28279	2.5	25.73	Si
537	2X/2Y ø6/24.8	4607	-20006	SLU 30	7767	3562	28018	2.5	1.69	-312	-22093	SLU 35	8038	3562	28299	2.5	25.79	Si
508	2X/2Y ø6/24.8	4607	-20157	SLU 30	7786	3562	28038	2.5	1.69	-312	-22245	SLU 35	8058	3562	28319	2.5	25.86	Si
478	2X/2Y ø6/24.8	4607	-20309	SLU 30	7806	3562	28059	2.5	1.69	-312	-22397	SLU 35	8078	3562	28340	2.5	25.92	Si
449	2X/2Y ø6/24.8	4607	-20461	SLU 30	7826	3562	28079	2.5	1.7	-312	-22548	SLU 35	8098	3562	28360	2.5	25.98	Si
420	2X/2Y ø6/24.8	4607	-20610	SLU 30	7845	3562	28099	2.5	1.7	-312	-22698	SLU 35	8117	3562	28380	2.5	26.05	Si
350	2X/2Y ø6/23.9	-265	-36382	SLU 26	11182	4223	37576	2.5	42.27	138	-38238	SLU 35	11428	4223	37831	2.5	82.68	Si
319	2X/2Y ø6/23.9	-265	-36580	SLU 26	11208	4223	37604	2.5	42.37	138	-38436	SLU 35	11454	4223	37858	2.5	82.86	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	11020	-18414	SLV 13	7559	3562	27804	2.5	0.69	-1304	-17114	SLV 11	7390	3562	27629	2.5	5.67	No
741	2X/2Y ø6/24.8	11020	-18528	SLV 13	7574	3562	27819	2.5	0.69	-1304	-17229	SLV 11	7405	3562	27644	2.5	5.68	No
712	2X/2Y ø6/24.8	11020	-18645	SLV 13	7590	3562	27835	2.5	0.69	-1304	-17345	SLV 11	7420	3562	27660	2.5	5.69	No
683	2X/2Y ø6/24.8	11020	-18762	SLV 13	7605	3562	27851	2.5	0.69	-1304	-17462	SLV 11	7436	3562	27676	2.5	5.7	No
653	2X/2Y ø6/24.8	11020	-18878	SLV 13	7620	3562	27866	2.5	0.69	-1304	-17579	SLV 11	7451	3562	27691	2.5	5.71	No
624	2X/2Y ø6/24.8	11020	-18995	SLV 13	7635	3562	27882	2.5	0.69	-1304	-17695	SLV 11	7466	3562	27707	2.5	5.72	No
595	2X/2Y ø6/24.8	11020	-19112	SLV 13	7650	3562	27898	2.5	0.69	-1304	-17812	SLV 11	7481	3562	27723	2.5	5.74	No
566	2X/2Y ø6/24.8	11020	-19228	SLV 13	7665	3562	27913	2.5	0.7	-1304	-17929	SLV 11	7496	3562	27738	2.5	5.75	No
537	2X/2Y ø6/24.8	11020	-19345	SLV 13	7681	3562	27929	2.5	0.7	-1304	-18045	SLV 11	7512	3562	27754	2.5	5.76	No
508	2X/2Y ø6/24.8	11020	-19462	SLV 13	7696	3562	27945	2.5	0.7	-1304	-18162	SLV 11	7527	3562	27770	2.5	5.77	No
478	2X/2Y ø6/24.8	11020	-19578	SLV 13	7711	3562	27960	2.5	0.7	-1304	-18279	SLV 11	7542	3562	27786	2.5	5.78	No
449	2X/2Y ø6/24.8	11020	-19695	SLV 13	7726	3562	27976	2.5	0.7	-1304	-18395	SLV 11	7557	3562	27801	2.5	5.79	No
420	2X/2Y ø6/24.8	11020	-19810	SLV 13	7741	3562	27992	2.5	0.7	-1304	-18510	SLV 11	7572	3562	27817	2.5	5.81	No
350	2X/2Y ø6/23.9	-2641	-18472	SLV 1	8812	4223	35125	2.5	3.34	1176	-27077	SLV 7	9951	4223	36303	2.5	8.46	Si
319	2X/2Y ø6/23.9	-2641	-18624	SLV 1	8832	4223	35145	2.5	3.34	1176	-27229	SLV 7	9971	4223	36323	2.5	8.48	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	5978	-15694	SLD 13	7206	3562	27438	2.5	1.21	-589	-15237	SLD 11	7146	3562	27376	2.5	12.13	Si
741	2X/2Y ø6/24.8	5978	-15808	SLD 13	7220	3562	27453	2.5	1.21	-589	-15352	SLD 11	7161	3562	27392	2.5	12.15	Si
712	2X/2Y ø6/24.8	5978	-15925	SLD 13	7236	3562	27469	2.5	1.21	-589	-15469	SLD 11	7176	3562	27407	2.5	12.18	Si
683	2X/2Y ø6/24.8	5978	-16042	SLD 13	7251	3562	27484	2.5	1.21	-589	-15585	SLD 11	7191	3562	27423	2.5	12.21	Si
653	2X/2Y ø6/24.8	5978	-16158	SLD 13	7266	3562	27500	2.5	1.22	-589	-15702	SLD 11	7207	3562	27439	2.5	12.23	Si
624	2X/2Y ø6/24.8	5978	-16275	SLD 13	7281	3562	27516	2.5	1.22	-589	-15819	SLD 11	7222	3562	27454	2.5	12.26	Si
595	2X/2Y ø6/24.8	5978	-16392	SLD 13	7296	3562	27532	2.5	1.22	-589	-15935	SLD 11	7237	3562	27470	2.5	12.28	Si
566	2X/2Y ø6/24.8	5978	-16508	SLD 13	7312	3562	27547	2.5	1.22	-589	-16052	SLD 11	7252	3562	27486	2.5	12.31	Si
537	2X/2Y ø6/24.8	5978	-16625	SLD 13	7327	3562	27563	2.5	1.23	-589	-16169	SLD 11	7267	3562	27502	2.5	12.33	Si
508	2X/2Y ø6/24.8	5978	-16742	SLD 13	7342	3562	27579	2.5	1.23	-589	-16285	SLD 11	7283	3562	27517	2.5	12.36	Si
478	2X/2Y ø6/24.8	5978	-16858	SLD 13	7357	3562	27594	2.5	1.23	-589	-16402	SLD 11	7298	3562	27533	2.5	12.39	Si
449	2X/2Y ø6/24.8	5978	-16975	SLD 13	7372	3562	27610	2.5	1.23	-589	-16519	SLD 11	7313	3562	27549	2.5	11.81	Si
420	2X/2Y ø6/24.8	5978	-17090	SLD 13	7387	3562	27625	2.5	1.24	-589	-16633	SLD 11	7328	3562	27564	2.5	11.84	Si
350	2X/2Y ø6/23.9	-1003	-25234	SLD 1	9707	4223	36050	2.5	9.68	502	-30375	SLD 11	10387	4223	36754	2.5	20.69	Si
319	2X/2Y ø6/23.9	-1003	-25386	SLD 1	9727	4223	36071	2.5	9.7	502	-30527	SLD 11	10408	4223	36775	2.5	20.73	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.521	167	0.552	0.196	0.539	SLV 13	No
741	0.523	168	0.553	0.197	0.541	SLV 13	No
712	0.525	169	0.555	0.197	0.542	SLV 13	No
683	0.527	171	0.557	0.198	0.545	SLV 13	No
653	0.529	172	0.559	0.199	0.547	SLV 13	No
624	0.531	173	0.56	0.2	0.548	SLV 13	No
595	0.533	175	0.563	0.201	0.551	SLV 13	No
566	0.535	176	0.564	0.201	0.553	SLV 13	No
537	0.537	177	0.565	0.202	0.554	SLV 13	No
508	0.539	179	0.568	0.203	0.557	SLV 13	No
478	0.543	181	0.57	0.204	0.56	SLV 13	No
449	0.545	183	0.573	0.205	0.563	SLV 13	No
420	0.547	184	0.574	0.205	0.564	SLV 13	No
350	2.582	2474	1.666	0.573	1.575	SLV 1	Si
319	2.588	2474	1.666	0.573	1.575	SLV 1	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	1.484	186	1.451	0.207	1.464	SLD 13	Si
741	1.492	187	1.454	0.207	1.468	SLD 13	Si
712	1.496	188	1.458	0.208	1.472	SLD 13	Si
683	1.5	190	1.464	0.208	1.476	SLD 13	Si
653	1.508	192	1.47	0.209	1.484	SLD 13	Si
624	1.516	194	1.476	0.211	1.492	SLD 13	Si
595	1.52	195	1.48	0.211	1.496	SLD 13	Si
566	1.523	196	1.483	0.212	1.5	SLD 13	Si
537	1.531	199	1.492	0.213	1.508	SLD 13	Si
508	1.539	201	1.498	0.214	1.516	SLD 13	Si
478	1.547	203	1.504	0.215	1.523	SLD 13	Si
449	1.551	204	1.507	0.215	1.527	SLD 13	Si
420	1.555	204	1.507	0.215	1.527	SLD 13	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	7.351	2474	4.193	0.603	4.276	SLD 1	Si
319	7.364	2474	4.193	0.603	4.276	SLD 1	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 60A

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3	829554	-625909	-11423	817309	-616670	SLU 30	0.985	No
20	18.1	1.8	0	2,3	706696	-535613	-11232	841321	-637647	SLU 30	1.19	Si
350	18.1	0.9	0	3	-685444	487553	-9061	-820676	583743	SLU 30	1.197	Si
50	18.1	1.8	0	2,3	578461	-441366	-11032	877959	-669883	SLU 30	1.518	Si
320	18.1	0.9	0	3	-560952	396057	-9255	-865590	611144	SLU 30	1.543	Si
80	18.1	0.9	0	3	451860	-348319	-10834	935395	-721055	SLU 30	2.07	Si
290	18.1	0.9	0	3	-434351	303010	-9452	-935775	652811	SLU 30	2.154	Si
-500	18.1	1.8	0	1,2	406574	-355852	-24408	1125946	-985480	SLU 29	2.769	Si
110	18.1	0.9	0	3	325258	-255272	-10637	1023428	-803215	SLU 30	3.147	Si
-470	18.1	1.8	0	1,2	354516	-320418	-24214	1135659	-1026430	SLU 29	3.203	Si
260	18.1	0.9	0	3	-307749	209963	-9650	-1067543	728334	SLU 30	3.469	Si
-440	18.1	1.8	0	1,2	301576	-284384	-24017	1145298	-1080007	SLU 29	3.798	Si
-410	18.1	0.9	0	2	248636	-248349	-23819	1137446	-1136134	SLU 29	4.575	Si
-80	18.1	0.9	0	2	-332822	147429	-21651	-1532159	678696	SLU 29	4.604	Si
-380	18.1	0.9	0	2	195696	-212315	-23622	1093814	-1186703	SLU 29	5.589	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	2,3	1609244	-3052920	-1935	360125	-683197	SLV 13	0.224				No
20	18.1	1.8	0	2,3	1376191	-2618278	-1787	359449	-683872	SLV 13	0.261				No
350	18.1	0.9	0	3	-1264617	2307161	-117	-369975	674981	SLV 13	0.293				No
50	18.1	1.8	0	2,3	1132939	-2164620	-1634	358451	-684865	SLV 13	0.316				No
320	18.1	0.9	0	3	-1028466	1866748	-267	-372351	675846	SLV 13	0.362				No
80	18.1	0.9	0	3	892786	-1716754	-1482	356938	-686362	SLV 13	0.4				No
290	18.1	0.9	0	3	-788314	1418884	-419	-376293	677289	SLV 13	0.477				No
110	18.1	0.9	0	3	652634	-1268917	-1330	354347	-688958	SLV 13	0.543				No
260	18.1	0.9	0	3	-548163	971053	-571	-383922	680105	SLV 13	0.7				No
140	18.1	0.9	0	3	122630	-766466	3628	101525	-634556	SLV 15	0.828				No
-80	18.1	0.9	0	2	-73810	-477005	5361	-88800	-573876	SLV 15	1.203				Si
230	18.1	0.9	0	3	-110474	472085	4084	-139458	595937	SLV 15	1.262				Si
-110	18.1	0.9	0	2	-62912	-423190	5211	-83986	-564952	SLV 15	1.335				Si
-140	18.1	0.9	0	2	-51749	-368477	5060	-77753	-553637	SLV 15	1.502				Si
-500	18.1	1.8	0	1,2	540060	-806801	-37241	811630	-1212502	SLV 5	1.503				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3	1030863	-1599288	-5348	455699	-706974	SLD 13	0.442	No
20	18.1	1.8	0	2,3	880558	-1371173	-5200	457683	-712687	SLD 13	0.52	No
350	18.1	0.9	0	3	-822601	1213835	-3530	-473601	698848	SLD 13	0.576	No
50	18.1	1.8	0	2,3	723675	-1133077	-5047	460688	-721310	SLD 13	0.637	No
320	18.1	0.9	0	3	-670298	982691	-3680	-483067	708201	SLD 13	0.721	No
80	18.1	0.9	0	3	568791	-898020	-4895	464969	-734105	SLD 13	0.817	No
290	18.1	0.9	0	3	-515414	747635	-3832	-499150	724044	SLD 13	0.968	No
110	18.1	0.9	0	3	413907	-662976	-4743	472521	-756861	SLD 13	1.142	Si
260	18.1	0.9	0	3	-360530	512593	-3984	-532117	756550	SLD 13	1.476	Si
140	18.1	0.9	0	3	259024	-427971	-4591	489248	-808355	SLD 13	1.889	Si
-500	18.1	1.8	0	1,2	391221	-491702	-26057	915767	-1150970	SLD 5	2.341	Si
-470	18.1	1.8	0	1,2	344508	-435706	-25907	938693	-1187185	SLD 5	2.725	Si
230	18.1	0.9	0	3	-205651	277596	-4135	-618061	834284	SLD 13	3.005	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-440	18.1	1.8	0	1,2	297008	-378766	-25755	961673	-1226397	SLD 5	3.238	Si
-80	18.1	0.9	0	2	-290446	351043	-24093	-987948	1194071	SLD 1	3.401	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.104	6	0.141	0.035	0.097	SLV 13	No
20	0.16	16	0.211	0.059	0.163	SLV 13	No
350	0.186	21	0.236	0.069	0.188	SLV 13	No
50	0.236	35	0.291	0.09	0.247	SLV 13	No
320	0.28	49	0.334	0.107	0.295	SLV 13	No
80	0.344	72	0.391	0.131	0.36	SLV 13	No
290	0.425	109	0.463	0.161	0.442	SLV 13	No
110	0.516	163	0.546	0.194	0.534	SLV 13	No
260	0.684	298	0.7	0.253	0.696	SLV 13	No
140	0.83	456	0.833	0.304	0.836	SLV 15	No
-80	1.125	948	1.125	0.408	1.12	SLV 15	Si
230	1.246	1240	1.255	0.449	1.234	SLV 15	Si
-110	1.203	1130	1.208	0.434	1.193	SLV 15	Si
-140	1.299	1384	1.313	0.467	1.283	SLV 15	Si
-500	1.34	1503	1.358	0.481	1.321	SLV 11	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.235	4	0.301	0.03	0.213	SLD 13	No
20	0.362	11	0.455	0.049	0.346	SLD 13	No
350	0.42	14	0.503	0.056	0.397	SLD 13	No
50	0.533	24	0.627	0.074	0.524	SLD 13	No
320	0.633	34	0.723	0.089	0.628	SLD 13	No
80	0.777	50	0.847	0.109	0.773	SLD 13	No
290	0.961	76	1.005	0.135	0.955	SLD 13	Si
110	1.164	112	1.179	0.163	1.156	SLD 13	Si
260	1.547	203	1.504	0.215	1.523	SLD 13	Si
140	1.875	309	1.787	0.258	1.825	SLD 15	Si
-500	3.027	940	2.82	0.406	2.879	SLD 11	Si
-470	3.215	1102	3.01	0.431	3.051	SLD 11	Si
230	2.816	788	2.623	0.379	2.685	SLD 15	Si
-440	3.438	1317	3.238	0.459	3.251	SLD 11	Si
-80	2.541	614	2.368	0.343	1.831	SLD 15	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	3102	-9061	SLU 30	7567	4203	33836	2.5	1.84	-4220	-9061	SLU 30	7567	4203	33836	2.5	1.79	Si
320	2X/2Y ø6/24	3102	-9255	SLU 30	7593	4203	33863	2.5	1.85	-4220	-9255	SLU 30	7593	4203	33863	2.5	1.8	Si
290	2X/2Y ø6/24	3102	-9452	SLU 30	7619	4203	33890	2.5	1.86	-4220	-9452	SLU 30	7619	4203	33890	2.5	1.81	Si
260	2X/2Y ø6/24	3102	-9650	SLU 30	7645	4203	33917	2.5	1.86	-4220	-9650	SLU 30	7645	4203	33917	2.5	1.81	Si
230	2X/2Y ø6/24	3102	-9847	SLU 30	7671	4203	33944	2.5	1.87	-4220	-9847	SLU 30	7671	4203	33944	2.5	1.82	Si
200	2X/2Y ø6/24	3102	-10045	SLU 30	7697	4203	33971	2.5	1.88	-4220	-10045	SLU 30	7697	4203	33971	2.5	1.82	Si
170	2X/2Y ø6/24	3102	-10242	SLU 30	7723	4203	33998	2.5	1.89	-4220	-10242	SLU 30	7723	4203	33998	2.5	1.83	Si
140	2X/2Y ø6/24	3102	-10440	SLU 30	7749	4203	34025	2.5	2.5	-4220	-10440	SLU 30	7749	4203	34025	2.5	1.84	Si
110	2X/2Y ø6/24	3102	-10637	SLU 30	7775	4203	34052	2.5	2.51	-4220	-10637	SLU 30	7775	4203	34052	2.5	1.84	Si
80	2X/2Y ø6/24	3102	-10834	SLU 30	7802	4203	34079	2.5	2.52	-4220	-10834	SLU 30	7802	4203	34079	2.5	1.85	Si
50	2X/2Y ø6/24	3102	-11032	SLU 30	7828	4203	34106	2.5	2.52	-4220	-11032	SLU 30	7828	4203	34106	2.5	1.85	Si
20	2X/2Y ø6/24	3102	-11232	SLU 30	7854	4203	34134	2.5	2.53	-4220	-11232	SLU 30	7854	4203	34134	2.5	1.86	Si
-10	2X/2Y ø6/24	3102	-11423	SLU 30	7879	4203	34160	2.5	2.54	-4220	-11423	SLU 30	7879	4203	34160	2.5	1.87	Si
-80	2X/2Y ø6/24.7	1201	-21651	SLU 29	9233	4082	35560	2.5	7.69	-1765	-21651	SLU 29	9233	4082	35560	2.5	5.23	Si
-110	2X/2Y ø6/24.7	1201	-21845	SLU 29	9259	4082	35586	2.5	7.71	-1765	-21845	SLU 29	9259	4082	35586	2.5	5.25	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	18239	1474	SLV 13	6368	4203	32596	2.5	0.35	-15183	-13110	SLV 9	8103	4203	34391	2.5	0.53	No
290	2X/2Y ø6/24	18239	1173	SLV 13	6368	4203	32596	2.5	0.35	-15183	-13411	SLV 9	8143	4203	34432	2.5	0.54	No
260	2X/2Y ø6/24	18239	1021	SLV 13	6368	4203	32596	2.5	0.35	-15183	-13563	SLV 9	8163	4203	34453	2.5	0.54	No
230	2X/2Y ø6/24	18239	869	SLV 13	6368	4203	32596	2.5	0.35	-15183	-13715	SLV 9	8183	4203	34473	2.5	0.54	No
200	2X/2Y ø6/24	18239	717	SLV 13	6368	4203	32596	2.5	0.35	-15183	-13867	SLV 9	8203	4203	34494	2.5	0.54	No
170	2X/2Y ø6/24	18239	566	SLV 13	6368	4203	32596	2.5	0.35	-15183	-14019	SLV 9	8223	4203	34515	2.5	0.54	No
140	2X/2Y ø6/24	18239	414	SLV 13	6368	4203	32596	2.5	0.35	-15183	-14170	SLV 9	8243	4203	34536	2.5	0.54	No
110	2X/2Y ø6/24	18239	262	SLV 13	6368	4203	32596	2.5	0.35	-15183	-14322	SLV 9	8263	4203	34557	2.5	0.54	No
80	2X/2Y ø6/24	18239	110	SLV 13	6368	4203	32596	2.5	0.35	-15183	-14474	SLV 9	8283	4203	34577	2.5	0.55	No
320	2X/2Y ø6/24	18239	1325	SLV 13	6368	4203	32596	2.5	0.35	-15183	-13259	SLV 9	8122	4203	34411	2.5	0.53	No
50	2X/2Y ø6/24	18239	-42	SLV 13	6373	4203	32602	2.5	0.35	-15183	-14626	SLV 9	8303	4203	34598	2.5	0.55	No
20	2X/2Y ø6/24	18239	-196	SLV 13	6394	4203	32623	2.5	0.35	-15183	-14780	SLV 9	8324	4203	34619	2.5	0.55	No
-10	2X/2Y ø6/24	18239	-343	SLV 13	6413	4203	32643	2.5	0.35	-15183	-14927	SLV 9	8343	4203	34639	2.5	0.55	No
-80	2X/2Y ø6/24.7	-2510	10670	SLV 15	6368	4082	32596	2.5	2.54	-2319	-40336	SLV 5	11706	4082	38118	2.5	5.05	Si
-110	2X/2Y ø6/24.7	-2510	10520	SLV 15	6368	4082	32596	2.5	2.54	-2319	-40486	SLV 5	11725	4082	38138	2.5	5.06	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	7836	-3530	SLD 13	6835	4203	33079	2.5	0.87	-7219	-8653	SLD 9	7513	4203	33780	2.5	1.04	No
320	2X/2Y ø6/24	7836	-3680	SLD 13	6855	4203	33100	2.5	0.87	-7219	-8802	SLD 9	7533	4203	33801	2.5	1.04	No
290	2X/2Y ø6/24	7836	-3832	SLD 13	6875	4203	33120	2.5	0.88	-7219	-8954	SLD 9	7553	4203	33822	2.5	1.05	No
260	2X/2Y ø6/24	7836	-3984	SLD 13	6895	4203	33141	2.5	0.88	-7219	-9106	SLD 9	7573	4203	33842	2.5	1.05	No
230	2X/2Y ø6/24	7836	-4135	SLD 13	6915	4203	33162	2.5	0.88	-7219	-9258	SLD 9	7593	4203	33863	2.5	1.05	No
200	2X/2Y ø6/24	7836	-4288	SLD 13	6935	4203	33183	2.5	0.89	-7219	-9410	SLD 9	7613	4203	33884	2.5	1.05	No
170	2X/2Y ø6/24	7836	-4439	SLD 13	6955	4203	33204	2.5	0.89	-7219	-9561	SLD 9	7633	4203	33905	2.5	1.06	No
140	2X/2Y ø6/24	7836	-4591	SLD 13	6975	4203	33224	2.5	0.89	-7219	-9713	SLD 9	7653	4203	33926	2.5	1.06	No
110	2X/2Y ø6/24	7836	-4743	SLD 13	6995	4203	33245	2.5	0.89	-7219	-9865	SLD 9	7673	4203	33946	2.5	1.06	No
80	2X/2Y ø6/24	7836	-4895	SLD 13	7016	4203	33266	2.5	0.9	-7219	-10017	SLD 9	7693	4203	33967	2.5	1.07	No
50	2X/2Y ø6/24	7836	-5047	SLD 13	7036	4203	33287	2.5	0.9	-7219	-10169	SLD 9	7713	4203	33988	2.5	1.07	No
20	2X/2Y ø6/24	7836	-5200	SLD 13	7056	4203	33308	2.5	0.9	-7219	-10323	SLD 9	7734	4203	34009	2.5	1.07	No
-10	2X/2Y ø6/24	7836	-5348	SLD 13	7075	4203	33328	2.5	0.9	-7219	-10470	SLD 9	7753	4203	34029	2.5	1.07	No
-80	2X/2Y ø6/24.7	1974	-24093	SLD 1	9556	4082	35894	2.5	4.84	-1584	-23935	SLD 5	9535	4082	35873	2.5	6.02	Si
-110	2X/2Y ø6/24.7	1974	-24242	SLD 1	9576	4082	35915	2.5	4.85	-1584	-24085	SLD 5	9555	4082	35893	2.5	6.03	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.292	53	0.345	0.112	0.307	SLV 13	No
290	0.295	54	0.347	0.113	0.31	SLV 13	No
260	0.296	54	0.347	0.113	0.31	SLV 13	No
230	0.297	54	0.347	0.113	0.31	SLV 13	No
200	0.298	55	0.35	0.114	0.313	SLV 13	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
170	0.3	55	0.35	0.114	0.313	SLV 13	No
140	0.301	56	0.353	0.115	0.316	SLV 13	No
110	0.302	56	0.353	0.115	0.316	SLV 13	No
80	0.303	57	0.355	0.116	0.319	SLV 13	No
320	0.294	53	0.345	0.112	0.307	SLV 13	No
50	0.305	57	0.355	0.116	0.319	SLV 13	No
20	0.306	58	0.358	0.117	0.322	SLV 13	No
-10	0.307	58	0.358	0.117	0.322	SLV 13	No
-80	2.163	2474	1.666	0.573	1.575	SLV 15	Si
-110	2.163	2474	1.666	0.573	1.575	SLV 15	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.832	58	0.9	0.118	0.833	SLD 13	No
320	0.836	58	0.9	0.118	0.833	SLD 13	No
290	0.84	59	0.906	0.119	0.841	SLD 13	No
260	0.844	59	0.906	0.119	0.841	SLD 13	No
230	0.846	60	0.913	0.12	0.849	SLD 13	No
200	0.85	60	0.913	0.12	0.849	SLD 13	No
170	0.854	60	0.913	0.12	0.849	SLD 13	No
140	0.855	61	0.919	0.121	0.857	SLD 13	No
110	0.859	61	0.919	0.121	0.857	SLD 13	No
80	0.863	62	0.925	0.122	0.865	SLD 13	No
50	0.867	62	0.925	0.122	0.865	SLD 13	No
20	0.869	62	0.925	0.122	0.865	SLD 13	No
-10	0.873	64	0.937	0.123	0.873	SLD 13	No
-80	6.154	2474	4.193	0.603	4.276	SLD 15	Si
-110	6.154	2474	4.193	0.603	4.276	SLD 15	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 60B

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3	524402	-656130	-22874	826213	-1033754	SLU 30	1.576	Si
20	18.1	1.8	0	2,3	451829	-561496	-22682	865342	-1075377	SLU 30	1.915	Si
350	18.1	0.9	0	3	-370517	510824	-20511	-820316	1130951	SLU 30	2.214	Si
50	18.1	1.8	0	2,3	376080	-462721	-22482	906233	-1115011	SLU 30	1.81	Si
320	18.1	0.9	0	3	-296979	414932	-20705	-856762	1197046	SLU 30	2.885	Si
-500	18.1	1.8	0	1,2	-604182	-66405	-50088	-1744953	-191785	SLU 30	2.888	Si
-470	18.1	1.8	0	1,2	-553919	-58742	-49894	-1685677	-178762	SLU 30	3.043	Si
80	18.1	0.9	0	3	301295	-365204	-22285	962641	-1166830	SLU 30	3.195	Si
-440	18.1	1.8	0	1,2	-502805	-50949	-49696	-1615220	-163670	SLU 30	3.212	Si
-410	18.1	0.9	0	2	-451690	-43157	-49499	-1533087	-146479	SLU 30	3.394	Si
-380	18.1	0.9	0	2	-400576	-35364	-49301	-1438709	-127014	SLU 30	3.592	Si
-350	18.1	0.9	0	2	-349461	-27572	-49104	-1329654	-104906	SLU 30	3.805	Si
-320	18.1	0.9	0	2	-298346	-19779	-48906	-1202212	-79701	SLU 30	4.03	Si
290	18.1	0.9	0	3	-222195	317415	-20903	-901863	1288349	SLU 30	4.059	Si
-290	18.1	0.9	0	2	-247232	-11986	-48709	-1055757	-51186	SLU 30	4.27	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	2,3	1178399	-3865417	-18909	228187	-748506	SLV 13	0.194				No
20	18.1	1.8	0	2,3	1011698	-3309261	-18761	232235	-759640	SLV 13	0.23				No
350	18.1	0.9	0	3	-877375	2992729	-17091	-222941	760451	SLV 13	0.254				No
50	18.1	1.8	0	2,3	837703	-2728764	-18607	238446	-776723	SLV 13	0.285				No
320	18.1	0.9	0	3	-708461	2429178	-17241	-227849	781252	SLV 13	0.322				No

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
80	18.1	0.9	0	3	665928	-2155662	-18456	248360	-803960	SLV 13	0.373				No
290	18.1	0.9	0	3	-536691	1856077	-17392	-236497	817895	SLV 13	0.441				No
110	18.1	0.9	0	3	494160	-1582562	-18304	266907	-854776	SLV 13	0.54				No
260	18.1	0.9	0	3	-364937	1282978	-17544	-254859	895986	SLV 13	0.698				No
140	18.1	0.9	0	3	322415	-1009465	-18152	313451	-981400	SLV 13	0.972				No
230	18.1	0.9	0	3	-193242	709884	-17696	-313950	1153309	SLV 13	1.625				Si
-500	18.1	1.8	0	1,2	-685567	339360	-23550	-1227091	607418	SLV 7	1.79				Si
-470	18.1	1.8	0	1,2	-637598	307006	-23401	-1272602	612762	SLV 7	1.996				Si
-440	18.1	1.8	0	1,2	-588952	259698	-23249	-1350799	595634	SLV 7	2.294				Si
-410	18.1	0.9	0	2	-540446	212901	-23097	-1438273	566587	SLV 7	2.661				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3	738859	-1971619	-17412	301800	-805343	SLD 13	0.408	No
20	18.1	1.8	0	2,3	634843	-1687857	-17265	311465	-828093	SLD 13	0.491	No
350	18.1	0.9	0	3	-543853	1527543	-15595	-295102	828866	SLD 13	0.543	No
50	18.1	1.8	0	2,3	526275	-1391676	-17111	326508	-863414	SLD 13	0.62	No
320	18.1	0.9	0	3	-438456	1240008	-15744	-308475	872407	SLD 13	0.704	No
80	18.1	0.9	0	3	419092	-1099268	-16959	351246	-921309	SLD 13	0.838	No
290	18.1	0.9	0	3	-331275	947600	-15896	-332858	952127	SLD 13	1.005	Si
110	18.1	0.9	0	3	311912	-806860	-16807	396433	-1025500	SLD 13	1.271	Si
260	18.1	0.9	0	3	-224101	655193	-16048	-382349	1117854	SLD 13	1.706	Si
140	18.1	0.9	0	3	204742	-514454	-16655	499985	-1256308	SLD 13	1.842	Si
-500	18.1	1.8	0	1,2	-537679	127016	-30169	-1739640	410955	SLD 7	3.235	Si
-470	18.1	1.8	0	1,2	-497249	115310	-30020	-1753390	406605	SLD 7	3.526	Si
-440	18.1	1.8	0	1,2	-456193	97035	-29868	-1770515	376599	SLD 7	3.881	Si
230	18.1	0.9	0	3	-116954	362789	-16200	-496833	1541170	SLD 13	4.248	Si
-410	18.1	0.9	0	2	-415200	78986	-29716	-1773933	337467	SLD 7	4.272	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.136	11	0.181	0.049	0.134	SLV 13	No
20	0.185	21	0.236	0.069	0.188	SLV 13	No
350	0.213	28	0.265	0.08	0.219	SLV 13	No
50	0.258	41	0.31	0.098	0.268	SLV 13	No
320	0.301	56	0.353	0.115	0.316	SLV 13	No
80	0.367	82	0.412	0.14	0.384	SLV 13	No
290	0.444	120	0.482	0.168	0.462	SLV 13	No
110	0.559	192	0.584	0.209	0.575	SLV 13	No
260	0.722	336	0.735	0.267	0.733	SLV 13	No
140	0.977	672	0.977	0.356	0.977	SLV 13	No
230	1.48	1963	1.516	0.528	1.452	SLV 13	Si
-500	1.717	2474	1.666	0.573	1.575	SLV 7	Si
-470	1.855	2474	1.666	0.573	1.575	SLV 7	Si
-440	2.02	2474	1.666	0.573	1.575	SLV 7	Si
-410	2.198	2474	1.666	0.573	1.575	SLV 7	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.308	7	0.378	0.04	0.286	SLD 13	No
20	0.418	14	0.503	0.056	0.397	SLD 13	No
350	0.482	19	0.57	0.066	0.471	SLD 13	No
50	0.582	28	0.668	0.081	0.572	SLD 13	No
320	0.68	38	0.757	0.094	0.669	SLD 13	No
80	0.83	58	0.9	0.118	0.833	SLD 13	No
290	1.004	84	1.048	0.142	1.004	SLD 13	Si
110	1.262	132	1.261	0.176	1.25	SLD 13	Si
260	1.629	227	1.575	0.225	1.598	SLD 13	Si
140	2.207	441	2.067	0.3	2.126	SLD 13	Si
-500	3.883	1822	3.699	0.515	3.646	SLD 7	Si
-470	4.192	2237	4.023	0.553	3.92	SLD 7	Si
-440	4.568	2474	4.193	0.6	4.251	SLD 7	Si
230	3.347	1227	3.145	0.447	3.17	SLD 13	Si
-410	4.965	2474	4.193	0.603	4.276	SLD 7	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	3251	-20511	SLU 30	9082	4203	35404	2.5	2.79	-2469	-19627	SLU 36	8965	4203	35283	2.5	3.63	Si
320	2X/2Y ø6/24	3251	-20705	SLU 30	9108	4203	35430	2.5	2.8	-2469	-19821	SLU 36	8991	4203	35309	2.5	3.64	Si
290	2X/2Y ø6/24	3251	-20903	SLU 30	9134	4203	35457	2.5	2.81	-2469	-20019	SLU 36	9017	4203	35336	2.5	3.65	Si
260	2X/2Y ø6/24	3251	-21100	SLU 30	9160	4203	35484	2.5	2.82	-2469	-20216	SLU 36	9043	4203	35363	2.5	3.66	Si
230	2X/2Y ø6/24	3251	-21298	SLU 30	9186	4203	35512	2.5	2.83	-2469	-20413	SLU 36	9069	4203	35390	2.5	3.67	Si
200	2X/2Y ø6/24	3251	-21496	SLU 30	9212	4203	35539	2.5	2.83	-2469	-20611	SLU 36	9095	4203	35418	2.5	3.68	Si
170	2X/2Y ø6/24	3251	-21693	SLU 30	9238	4203	35566	2.5	2.84	-2469	-20808	SLU 36	9121	4203	35445	2.5	3.69	Si
140	2X/2Y ø6/24	3251	-21890	SLU 30	9265	4203	35593	2.5	2.85	-2469	-21006	SLU 36	9148	4203	35472	2.5	3.71	Si
110	2X/2Y ø6/24	3251	-22088	SLU 30	9291	4203	35620	2.5	2.86	-2469	-21203	SLU 36	9174	4203	35499	2.5	3.72	Si
80	2X/2Y ø6/24	3251	-22285	SLU 30	9317	4203	35647	2.5	2.87	-2469	-21401	SLU 36	9200	4203	35526	2.5	3.73	Si
50	2X/2Y ø6/24	3251	-22482	SLU 30	9343	4203	35674	2.5	2.87	-2469	-21598	SLU 36	9226	4203	35553	2.5	3.74	Si
20	2X/2Y ø6/24	3251	-22682	SLU 30	9369	4203	35701	2.5	2.88	-2469	-21798	SLU 36	9252	4203	35580	2.5	3.75	Si
-10	2X/2Y ø6/24	3251	-22874	SLU 30	9395	4203	35727	2.5	2.89	-2469	-21990	SLU 36	9278	4203	35606	2.5	3.76	Si
-80	2X/2Y ø6/24.7	268	-47308	SLU 29	12628	4082	39072	2.5	47.11	1704	-47330	SLU 30	12631	4082	39075	2.5	7.41	Si
-110	2X/2Y ø6/24.7	268	-47502	SLU 29	12654	4082	39099	2.5	47.21	1704	-47524	SLU 30	12657	4082	39102	2.5	7.43	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	23467	-17789	SLV 13	8722	4203	35031	2.5	0.37	-13687	-22055	SLV 9	9286	4203	35615	2.5	0.68	No
320	2X/2Y ø6/24	23467	-17938	SLV 13	8742	4203	35052	2.5	0.37	-13687	-22205	SLV 9	9306	4203	35636	2.5	0.68	No
290	2X/2Y ø6/24	23467	-18090	SLV 13	8762	4203	35072	2.5	0.37	-13687	-22357	SLV 9	9326	4203	35656	2.5	0.68	No
260	2X/2Y ø6/24	23467	-18242	SLV 13	8782	4203	35093	2.5	0.37	-13687	-22509	SLV 9	9346	4203	35677	2.5	0.68	No
230	2X/2Y ø6/24	23467	-18394	SLV 13	8802	4203	35114	2.5	0.38	-13687	-22660	SLV 9	9367	4203	35698	2.5	0.68	No
200	2X/2Y ø6/24	23467	-18546	SLV 13	8822	4203	35135	2.5	0.38	-13687	-22813	SLV 9	9387	4203	35719	2.5	0.69	No
170	2X/2Y ø6/24	23467	-18698	SLV 13	8842	4203	35156	2.5	0.38	-13687	-22964	SLV 9	9407	4203	35740	2.5	0.69	No
140	2X/2Y ø6/24	23467	-18850	SLV 13	8862	4203	35176	2.5	0.38	-13687	-23116	SLV 9	9427	4203	35760	2.5	0.69	No
110	2X/2Y ø6/24	23467	-19001	SLV 13	8882	4203	35197	2.5	0.38	-13687	-23268	SLV 9	9447	4203	35781	2.5	0.69	No
80	2X/2Y ø6/24	23467	-19153	SLV 13	8902	4203	35218	2.5	0.38	-13687	-23420	SLV 9	9467	4203	35802	2.5	0.69	No
50	2X/2Y ø6/24	23467	-19305	SLV 13	8923	4203	35239	2.5	0.38	-13687	-23572	SLV 9	9487	4203	35823	2.5	0.69	No
20	2X/2Y ø6/24	23467	-19459	SLV 13	8943	4203	35260	2.5	0.38	-13687	-23726	SLV 9	9507	4203	35844	2.5	0.69	No
-10	2X/2Y ø6/24	23467	-19606	SLV 13	8962	4203	35280	2.5	0.38	-13687	-23873	SLV 9	9527	4203	35864	2.5	0.7	No
-80	2X/2Y ø6/24.7	-2066	-16552	SLV 11	8558	4082	34862	2.5	4.14	1790	-16552	SLV 11	8558	4082	34862	2.5	4.78	Si
-110	2X/2Y ø6/24.7	-2066	-16701	SLV 11	8578	4082	34882	2.5	4.15	1790	-16701	SLV 11	8578	4082	34882	2.5	4.79	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	9747	-15595	SLD 13	8432	4203	34731	2.5	0.87	-6016	-17093	SLD 9	8630	4203	34936	2.5	1.43	No
320	2X/2Y ø6/24	9747	-15744	SLD 13	8451	4203	34751	2.5	0.87	-6016	-17243	SLD 9	8650	4203	34956	2.5	1.44	No
290	2X/2Y ø6/24	9747	-15896	SLD 13	8471	4203	34772	2.5	0.87	-6016	-17395	SLD 9	8670	4203	34977	2.5	1.44	No
260	2X/2Y ø6/24	9747	-16048	SLD 13	8491	4203	34793	2.5	0.87	-6016	-17546	SLD 9	8690	4203	34998	2.5	1.44	No
230	2X/2Y ø6/24	9747	-16200	SLD 13	8512	4203	34814	2.5	0.87	-6016	-17698	SLD 9	8710	4203	35019	2.5	1.45	No
200	2X/2Y ø6/24	9747	-16352	SLD 13	8532	4203	34834	2.5	0.88	-6016	-17851	SLD 9	8730	4203	35040	2.5	1.45	No
170	2X/2Y ø6/24	9747	-16504	SLD 13	8552	4203	34855	2.5	0.88	-6016	-18002	SLD 9	8750	4203	35060	2.5	1.45	No
140	2X/2Y ø6/24	9747	-16655	SLD 13	8572	4203	34876	2.5	0.88	-6016	-18154	SLD 9	8770	4203	35081	2.5	1.46	No
110	2X/2Y ø6/24	9747	-16807	SLD 13	8592	4203	34897	2.5	0.88	-6016	-18306	SLD 9	8790	4203	35102	2.5	1.46	No
80	2X/2Y ø6/24	9747	-16959	SLD 13	8612	4203	34918	2.5	0.88	-6016	-18458	SLD 9	8810	4203	35123	2.5	1.46	No
50	2X/2Y ø6/24	9747	-17111	SLD 13	8632	4203	34938	2.5	0.89	-6016	-18610	SLD 9	8830	4203	35144	2.5	1.47	No
20	2X/2Y ø6/24	9747	-17265	SLD 13	8653	4203	34959	2.5	0.89	-6016	-18763	SLD 9	8851	4203	35165	2.5	1.47	No
-10	2X/2Y ø6/24	9747	-17412	SLD 13	8672	4203	34980	2.5	0.89	-6016	-18911	SLD 9	8870	4203	35185	2.5	1.47	No
-80	2X/2Y ø6/24.7	940	-39185	SLD 5	11553	4082	37960	2.5	12.29	1386	-27420	SLD 11	9996	4082	36350	2.5	7.21	Si
-110	2X/2Y ø6/24.7	940	-39335	SLD 5	11573	4082	37981	2.5	12.31	1386	-27569	SLD 11	10016	4082	36370	2.5	7.22	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.288	51	0.339	0.109	0.301	SLV 13	No
320	0.289	52	0.342	0.111	0.304	SLV 13	No
290	0.29	52	0.342	0.111	0.304	SLV 13	No
260	0.291	52	0.342	0.111	0.304	SLV 13	No
230	0.292	53	0.345	0.112	0.307	SLV 13	No
200	0.292	53	0.345	0.112	0.307	SLV 13	No
170	0.293	53	0.345	0.112	0.307	SLV 13	No
140	0.294	54	0.347	0.113	0.31	SLV 13	No
110	0.295	54	0.347	0.113	0.31	SLV 13	No
80	0.296	54	0.347	0.113	0.31	SLV 13	No
50	0.297	55	0.35	0.114	0.313	SLV 13	No
20	0.298	55	0.35	0.114	0.313	SLV 13	No
-10	0.299	55	0.35	0.114	0.313	SLV 13	No
-80	2.934	2474	1.666	0.573	1.575	SLV 11	Si
-110	2.934	2474	1.666	0.573	1.575	SLV 11	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.818	56	0.887	0.115	0.817	SLD 13	No
320	0.822	57	0.894	0.116	0.825	SLD 13	No
290	0.824	57	0.894	0.116	0.825	SLD 13	No
260	0.828	57	0.894	0.116	0.825	SLD 13	No
230	0.83	58	0.9	0.118	0.833	SLD 13	No
200	0.832	58	0.9	0.118	0.833	SLD 13	No
170	0.836	58	0.9	0.118	0.833	SLD 13	No
140	0.838	59	0.906	0.119	0.841	SLD 13	No
110	0.842	59	0.906	0.119	0.841	SLD 13	No
80	0.844	59	0.906	0.119	0.841	SLD 13	No
50	0.848	60	0.913	0.12	0.849	SLD 13	No
20	0.85	60	0.913	0.12	0.849	SLD 13	No
-10	0.852	60	0.913	0.12	0.849	SLD 13	No
-80	8.354	2474	4.193	0.603	4.276	SLD 11	Si
-110	8.354	2474	4.193	0.603	4.276	SLD 11	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 60C

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	1.8	0	1,2	-670935	487849	-46126	-1277533	928918	SLU 30	1.904	Si
-470	18.1	1.8	0	1,2	-615539	426267	-45932	-1321393	915077	SLU 30	2.147	Si
-440	18.1	1.8	0	1,2	-559205	363640	-45734	-1372970	892816	SLU 30	1.855	Si
-410	18.1	0.9	0	2	-502871	301014	-45537	-1417513	848511	SLU 30	2.819	Si
-380	18.1	0.9	0	2	-446536	238388	-45340	-1439474	768477	SLU 30	3.224	Si
-350	18.1	0.9	0	2	-390202	175761	-45142	-1407467	633975	SLU 30	3.607	Si
-80	18.1	0.9	0	2	115869	-386832	-43368	441307	-1473324	SLU 30	3.809	Si
-10	18.1	1.8	0	2,3	481042	-22730	-23674	1852887	-87553	SLU 29	3.852	Si
-320	18.1	0.9	0	2	-333868	113135	-44945	-1327200	449737	SLU 30	3.975	Si
-110	18.1	0.9	0	2	60473	-325250	-43563	252317	-1357068	SLU 30	4.172	Si
-290	18.1	0.9	0	2	-277533	50509	-44747	-1207476	219750	SLU 30	4.351	Si
-140	18.1	0.9	0	2	4139	-262623	-43760	18773	-1191224	SLU 30	4.536	Si
20	18.1	1.8	0	2,3	415392	-21637	-23527	1903427	-99145	SLU 30	4.582	Si
-260	18.1	0.9	0	2	-221199	-12118	-44550	-1038462	-56890	SLU 30	4.695	Si
-170	18.1	0.9	0	2	-52196	-199997	-43958	-251665	-964301	SLU 30	4.822	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	2,3	-105911	-3795996	-9838	-20121	-721157	SLV 15	0.19				No
20	18.1	1.8	0	2,3	-89801	-3249876	-9690	-20070	-726347	SLV 15	0.223				No
350	18.1	0.9	0	3	-903966	2938452	-9926	-223851	727654	SLV 13	0.248				No
50	18.1	1.8	0	2,3	-72939	-2679856	-9536	-19982	-734160	SLV 15	0.274				No
320	18.1	0.9	0	3	-731202	2385073	-10075	-226608	739162	SLV 13	0.31				No
80	18.1	0.9	0	3	-56210	-2117099	-9385	-19815	-746327	SLV 15	0.353				No
290	18.1	0.9	0	3	-555604	1822318	-10227	-231355	758820	SLV 13	0.416				No
110	18.1	0.9	0	3	-39304	-1554348	-9233	-19427	-768280	SLV 15	0.494				No
260	18.1	0.9	0	3	-380217	1259570	-10379	-241187	798997	SLV 13	0.634				No
140	18.1	0.9	0	3	-21886	-991614	-9081	-18093	-819770	SLV 15	0.827				No
-500	18.1	1.8	0	1,2	-787773	704420	-28367	-984006	879889	SLV 7	1.249				Si
230	18.1	0.9	0	3	-205486	696850	-10531	-272375	923683	SLV 13	1.326				Si
-470	18.1	1.8	0	1,2	-733354	616895	-28217	-1035038	870671	SLV 7	1.411				Si
-440	18.1	1.8	0	1,2	-678024	527892	-28065	-1102813	858622	SLV 7	1.627				Si
-410	18.1	0.9	0	2	-622707	438894	-27914	-1176220	829020	SLV 7	1.889				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3	152662	-1694723	-13765	72170	-801176	SLD 15	0.473	No
20	18.1	1.8	0	2,3	132250	-1452273	-13617	74862	-822084	SLD 15	0.566	No
350	18.1	0.9	0	3	-540109	1295027	-12790	-342005	820030	SLD 13	0.633	No
50	18.1	1.8	0	2,3	110966	-1199213	-13463	79113	-854982	SLD 15	0.713	No
320	18.1	0.9	0	3	-435750	1049355	-12940	-357750	861519	SLD 13	0.821	No
80	18.1	0.9	0	3	89989	-949378	-13311	86250	-909933	SLD 15	0.958	No
290	18.1	0.9	0	3	-329663	799521	-13091	-385023	933782	SLD 13	1.168	Si
110	18.1	0.9	0	3	69090	-699546	-13160	100850	-1021119	SLD 15	1.46	Si
-500	18.1	1.8	0	1,2	-610308	503707	-30826	-1115374	920554	SLD 7	1.828	Si
260	18.1	0.9	0	3	-223671	549690	-13243	-441400	1084778	SLD 13	1.973	Si
-470	18.1	1.8	0	1,2	-564894	440715	-30676	-1170494	913188	SLD 7	2.072	Si
-440	18.1	1.8	0	1,2	-518714	376657	-30524	-1236067	897552	SLD 7	2.383	Si
-410	18.1	0.9	0	2	-472541	312602	-30373	-1315629	870332	SLD 7	2.784	Si
140	18.1	0.9	0	3	202868	-421343	-13851	584206	-1213354	SLD 13	2.88	Si
-380	18.1	0.9	0	2	-426376	248551	-30221	-1409615	821720	SLD 7	3.306	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.244	37	0.297	0.092	0.254	SLV 15	No
20	0.284	50	0.337	0.108	0.298	SLV 15	No
350	0.307	58	0.358	0.117	0.322	SLV 13	No
50	0.342	71	0.389	0.13	0.357	SLV 15	No
320	0.38	87	0.422	0.144	0.395	SLV 13	No
80	0.429	111	0.467	0.162	0.445	SLV 15	No
290	0.496	150	0.528	0.187	0.514	SLV 13	No
110	0.574	204	0.599	0.215	0.591	SLV 15	No
260	0.707	321	0.721	0.262	0.719	SLV 13	No
140	0.868	506	0.869	0.318	0.873	SLV 15	No
-500	1.406	1711	1.433	0.503	1.383	SLV 7	Si
230	1.213	1155	1.219	0.438	1.203	SLV 13	Si
-470	1.625	2474	1.666	0.573	1.575	SLV 7	Si
-440	1.887	2474	1.666	0.573	1.575	SLV 7	Si
-410	2.195	2474	1.666	0.573	1.575	SLV 7	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.551	25	0.637	0.076	0.536	SLD 15	No
20	0.642	35	0.732	0.09	0.638	SLD 15	No
350	0.693	40	0.773	0.097	0.689	SLD 13	No
50	0.773	50	0.847	0.109	0.773	SLD 15	No
320	0.858	61	0.919	0.121	0.857	SLD 13	No
80	0.969	77	1.011	0.136	0.963	SLD 15	Si
290	1.121	104	1.143	0.157	1.115	SLD 13	Si
110	1.299	140	1.292	0.181	1.284	SLD 15	Si
-500	3.18	1069	2.972	0.426	3.018	SLD 7	Si
260	1.598	218	1.549	0.221	1.569	SLD 13	Si
-470	3.672	1569	3.479	0.488	3.459	SLD 7	Si
-440	4.261	2335	4.095	0.562	3.98	SLD 7	Si
-410	4.951	2474	4.193	0.603	4.276	SLD 7	Si
140	1.963	342	1.863	0.269	1.906	SLD 15	Si
-380	5.607	2474	4.193	0.603	4.276	SLD 11	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	161	-17229	SLU 19	8648	4203	34955	2.5	53.84	-2269	-21311	SLU 29	9188	4203	35513	2.5	4.05	Si
320	2X/2Y ø6/24	161	-17424	SLU 19	8673	4203	34981	2.5	54	-2269	-21506	SLU 29	9214	4203	35540	2.5	4.06	Si
290	2X/2Y ø6/24	161	-17621	SLU 19	8700	4203	35008	2.5	54.17	-2269	-21703	SLU 29	9240	4203	35567	2.5	4.07	Si
260	2X/2Y ø6/24	161	-17818	SLU 19	8726	4203	35035	2.5	54.33	-2269	-21900	SLU 29	9266	4203	35594	2.5	4.08	Si
230	2X/2Y ø6/24	161	-18016	SLU 19	8752	4203	35062	2.5	54.49	-2270	-22143	SLU 30	9298	4203	35627	2.5	4.1	Si
200	2X/2Y ø6/24	161	-18214	SLU 19	8778	4203	35089	2.5	54.65	-2270	-22340	SLU 30	9324	4203	35654	2.5	4.11	Si
170	2X/2Y ø6/24	161	-18411	SLU 19	8804	4203	35116	2.5	54.82	-2270	-22537	SLU 30	9350	4203	35681	2.5	4.12	Si
140	2X/2Y ø6/24	161	-18608	SLU 19	8830	4203	35143	2.5	54.98	-2270	-22735	SLU 30	9376	4203	35708	2.5	4.13	Si

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
110	2X/2Y ø6/24	161	-18806	SLU 19	8856	4203	35170	2.5	55.14	-2270	-22932	SLU 30	9402	4203	35735	2.5	4.14	Si
80	2X/2Y ø6/24	161	-19003	SLU 19	8883	4203	35197	2.5	55.31	-2270	-23130	SLU 30	9429	4203	35762	2.5	4.15	Si
50	2X/2Y ø6/24	161	-19201	SLU 19	8909	4203	35224	2.5	55.47	-2270	-23327	SLU 30	9455	4203	35789	2.5	4.17	Si
20	2X/2Y ø6/24	161	-19400	SLU 19	8935	4203	35252	2.5	55.63	-2270	-23527	SLU 30	9481	4203	35817	2.5	4.18	Si
-10	2X/2Y ø6/24	161	-19592	SLU 19	8960	4203	35278	2.5	55.79	-2270	-23719	SLU 30	9507	4203	35843	2.5	4.19	Si
-80	2X/2Y ø6/24.7	-2075	-41840	SLU 36	11905	4082	38324	2.5	5.74	1878	-43368	SLU 30	12107	4082	38533	2.5	6.45	Si
-110	2X/2Y ø6/24.7	-2075	-42034	SLU 36	11930	4082	38350	2.5	5.75	1878	-43563	SLU 30	12133	4082	38559	2.5	6.46	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	23624	-8590	SLV 13	7504	4203	33772	2.5	0.32	-15524	-16762	SLV 9	8586	4203	34891	2.5	0.55	No
320	2X/2Y ø6/24	23624	-8739	SLV 13	7524	4203	33792	2.5	0.32	-15524	-16912	SLV 9	8606	4203	34911	2.5	0.55	No
290	2X/2Y ø6/24	23624	-8891	SLV 13	7544	4203	33813	2.5	0.32	-15524	-17064	SLV 9	8626	4203	34932	2.5	0.56	No
260	2X/2Y ø6/24	23624	-9043	SLV 13	7564	4203	33834	2.5	0.32	-15524	-17215	SLV 9	8646	4203	34953	2.5	0.56	No
230	2X/2Y ø6/24	23624	-9195	SLV 13	7585	4203	33855	2.5	0.32	-15524	-17367	SLV 9	8666	4203	34973	2.5	0.56	No
200	2X/2Y ø6/24	23624	-9347	SLV 13	7605	4203	33875	2.5	0.32	-15524	-17520	SLV 9	8686	4203	34994	2.5	0.56	No
170	2X/2Y ø6/24	23624	-9498	SLV 13	7625	4203	33896	2.5	0.32	-15524	-17671	SLV 9	8706	4203	35015	2.5	0.56	No
140	2X/2Y ø6/24	23624	-9650	SLV 13	7645	4203	33917	2.5	0.32	-15524	-17823	SLV 9	8726	4203	35036	2.5	0.56	No
110	2X/2Y ø6/24	23624	-9802	SLV 13	7665	4203	33938	2.5	0.32	-15524	-17975	SLV 9	8746	4203	35057	2.5	0.56	No
80	2X/2Y ø6/24	23624	-9954	SLV 13	7685	4203	33959	2.5	0.33	-15524	-18127	SLV 9	8767	4203	35077	2.5	0.56	No
50	2X/2Y ø6/24	23624	-10106	SLV 13	7705	4203	33979	2.5	0.33	-15524	-18279	SLV 9	8787	4203	35098	2.5	0.57	No
20	2X/2Y ø6/24	23624	-10260	SLV 13	7725	4203	34000	2.5	0.33	-15524	-18432	SLV 9	8807	4203	35119	2.5	0.57	No
-10	2X/2Y ø6/24	23624	-10407	SLV 13	7745	4203	34021	2.5	0.33	-15524	-18580	SLV 9	8827	4203	35139	2.5	0.57	No
-80	2X/2Y ø6/24.7	-3355	-25099	SLV 7	9689	4082	36032	2.5	2.89	1991	-25099	SLV 7	9689	4082	36032	2.5	4.87	Si
-110	2X/2Y ø6/24.7	-3355	-25248	SLV 7	9709	4082	36052	2.5	2.89	1991	-25248	SLV 7	9709	4082	36052	2.5	4.88	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	8328	-12790	SLD 13	8060	4203	34347	2.5	0.97	-6553	-15660	SLD 9	8440	4203	34740	2.5	1.29	No
320	2X/2Y ø6/24	8328	-12940	SLD 13	8080	4203	34367	2.5	0.97	-6553	-15810	SLD 9	8460	4203	34760	2.5	1.29	No
290	2X/2Y ø6/24	8328	-13091	SLD 13	8100	4203	34388	2.5	0.97	-6553	-15961	SLD 9	8480	4203	34781	2.5	1.29	No
260	2X/2Y ø6/24	8328	-13243	SLD 13	8120	4203	34409	2.5	0.98	-6553	-16113	SLD 9	8500	4203	34802	2.5	1.3	No
230	2X/2Y ø6/24	8328	-13395	SLD 13	8140	4203	34430	2.5	0.98	-6553	-16265	SLD 9	8520	4203	34823	2.5	1.3	No
200	2X/2Y ø6/24	8328	-13547	SLD 13	8161	4203	34451	2.5	0.98	-6553	-16417	SLD 9	8540	4203	34843	2.5	1.3	No
170	2X/2Y ø6/24	8328	-13699	SLD 13	8181	4203	34471	2.5	0.98	-6553	-16569	SLD 9	8560	4203	34864	2.5	1.31	No
140	2X/2Y ø6/24	8328	-13851	SLD 13	8201	4203	34492	2.5	0.98	-6553	-16721	SLD 9	8580	4203	34885	2.5	1.31	No
110	2X/2Y ø6/24	8328	-14003	SLD 13	8221	4203	34513	2.5	0.99	-6553	-16873	SLD 9	8601	4203	34906	2.5	1.31	No
80	2X/2Y ø6/24	8328	-14155	SLD 13	8241	4203	34534	2.5	0.99	-6553	-17025	SLD 9	8621	4203	34927	2.5	1.32	No
50	2X/2Y ø6/24	8328	-14306	SLD 13	8261	4203	34554	2.5	0.99	-6553	-17176	SLD 9	8641	4203	34947	2.5	1.32	No
20	2X/2Y ø6/24	8328	-14460	SLD 13	8281	4203	34575	2.5	0.99	-6553	-17330	SLD 9	8661	4203	34968	2.5	1.32	No
-10	2X/2Y ø6/24	8328	-14608	SLD 13	8301	4203	34596	2.5	1	-6553	-17478	SLD 9	8681	4203	34989	2.5	1.32	No
-80	2X/2Y ø6/24.7	-2136	-28704	SLD 7	10166	4082	36525	2.5	4.76	1541	-28704	SLD 7	10166	4082	36525	2.5	6.6	Si
-110	2X/2Y ø6/24.7	-2136	-28854	SLD 7	10186	4082	36546	2.5	4.77	1541	-28854	SLD 7	10186	4082	36546	2.5	6.61	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.34	71	0.389	0.13	0.357	SLV 13	No
320	0.341	71	0.389	0.13	0.357	SLV 13	No
290	0.342	71	0.389	0.13	0.357	SLV 13	No
260	0.343	71	0.389	0.13	0.357	SLV 13	No
230	0.344	72	0.391	0.131	0.36	SLV 13	No
200	0.344	72	0.391	0.131	0.36	SLV 13	No
170	0.345	72	0.391	0.131	0.36	SLV 13	No
140	0.346	73	0.393	0.132	0.362	SLV 13	No
110	0.347	73	0.393	0.132	0.362	SLV 13	No
80	0.348	73	0.393	0.132	0.362	SLV 13	No
50	0.349	74	0.395	0.133	0.365	SLV 13	No
20	0.35	74	0.395	0.133	0.365	SLV 13	No
-10	0.35	74	0.395	0.133	0.365	SLV 13	No
-80	3.42	2474	1.666	0.573	1.575	SLV 7	Si
-110	3.432	2474	1.666	0.573	1.575	SLV 7	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.969	77	1.011	0.136	0.963	SLD 13	Si
320	0.971	78	1.016	0.137	0.97	SLD 13	Si
290	0.973	78	1.016	0.137	0.97	SLD 13	Si
260	0.977	79	1.022	0.138	0.977	SLD 13	Si
230	0.979	79	1.022	0.138	0.977	SLD 13	Si
200	0.98	79	1.022	0.138	0.977	SLD 13	Si
170	0.982	79	1.022	0.138	0.977	SLD 13	Si
140	0.984	80	1.027	0.139	0.984	SLD 13	Si
110	0.988	80	1.027	0.139	0.984	SLD 13	Si
80	0.99	82	1.037	0.14	0.99	SLD 13	Si
50	0.992	82	1.037	0.14	0.99	SLD 13	Si
20	0.994	82	1.037	0.14	0.99	SLD 13	Si
-10	0.996	82	1.037	0.14	0.99	SLD 13	Si
-80	9.745	2474	4.193	0.603	4.276	SLD 7	Si
-110	9.76	2474	4.193	0.603	4.276	SLD 7	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 61

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.6	-17.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	-17.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	3,4,5,6	459939	432091	-22283	771066	724379	SLU 30	1.676	Si
-500	18.1	1.8	0	1,2	556530	539477	-91050	1051158	1018950	SLU 30	1.889	Si
-80	18.1	0.9	0	2	-462233	-593797	-88292	-898055	-1153666	SLU 30	1.943	Si
-10	18.1	1.8	0	2,3,4,5	706945	427704	-51548	1394213	843502	SLU 30	1.972	Si
-470	18.1	1.8	0	1,2	484803	459688	-90855	982764	931853	SLU 30	2.027	Si
449	18.1	2.3	0	3,4,5,6	392725	364848	-22134	796740	740185	SLU 30	2.029	Si
770	18.1	1.1	0	6	-358353	-386549	-20468	-731027	-788548	SLU 30	2.04	Si
-110	18.1	0.9	0	2	-390507	-514008	-88486	-814937	-1072669	SLU 30	2.087	Si
-440	18.1	1.8	0	1,2	411860	378547	-90658	895888	823423	SLU 30	2.175	Si
-140	18.1	0.9	0	2	-317564	-432867	-88684	-710310	-968213	SLU 30	2.237	Si
-410	18.1	0.9	0	2	338918	297405	-90461	790343	693537	SLU 30	2.332	Si
20	18.1	1.8	0	2,3,4,5	604348	366186	-51356	1409977	854332	SLU 30	2.333	Si
-170	18.1	0.9	0	2	-244622	-351726	-88881	-584983	-841108	SLU 30	2.391	Si
-380	18.1	0.9	0	2	265976	216264	-90263	663284	539315	SLU 30	1.894	Si
-350	18.1	0.9	0	2	193033	135123	-90066	485698	339988	SLU 30	2.516	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	2,3,4,5	4227603	-343358	-30726	787684	-63974	SLV 9	0.186				No
20	18.1	1.8	0	2,3,4,5	3621712	-295154	-30578	806597	-65734	SLV 9	0.223				No
350	18.1	0.9	0	3,4,5	-3243864	251069	-28908	-814479	63039	SLV 9	0.251				No
50	18.1	1.8	0	2,3,4,5	2989303	-244839	-30424	836233	-68492	SLV 9	0.28				No
420	18.1	2.3	0	3,4,5,6	1989444	-388293	-10281	638769	-124673	SLV 9	0.321				No
320	18.1	0.9	0	3,4,5	-2629918	202224	-29058	-852064	65518	SLV 9	0.324				No
80	18.1	0.9	0	3,4,5	2364952	-195166	-30273	885388	-73066	SLV 9	0.374				No
449	18.1	2.3	0	3,4,5,6	1695608	-339273	-10166	647385	-129535	SLV 9	0.382				No
770	18.1	1.1	0	6	-1587931	208923	-8885	-644462	84792	SLV 9	0.406				No
290	18.1	0.9	0	3,4,5	-2005568	152551	-29209	-922011	70132	SLV 9	0.46				No
478	18.1	2.3	0	3,4,5,6	1396648	-289404	-10050	660210	-136804	SLV 9	0.473				No
741	18.1	1.1	0	6	-1294097	159928	-9000	-659170	81462	SLV 9	0.509				No
110	18.1	0.9	0	3,4,5	1740604	-145494	-30121	984374	-82282	SLV 9	0.566				No
508	18.1	1.1	0	6	1097691	-239545	-9933	681072	-148628	SLV 9	0.62				No
712	18.1	1.1	0	6	-995142	110107	-9116	-684342	75719	SLV 9	0.688				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3,4,5	2137523	16977	-34137	955589	7590	SLD 9	0.447	No
20	18.1	1.8	0	2,3,4,5	1830694	13994	-33990	1017717	7780	SLD 9	0.556	No
350	18.1	0.9	0	3,4,5	-1646090	-19804	-32320	-1045050	-12573	SLD 9	0.635	No
420	18.1	2.3	0	3,4,5,6	1055012	-799	-13566	732364	-555	SLD 9	0.694	No
50	18.1	1.8	0	2,3,4,5	1510437	10881	-33836	1123485	8093	SLD 9	0.744	No
449	18.1	2.3	0	3,4,5,6	899467	-5899	-13451	761229	-4992	SLD 9	0.846	No
320	18.1	0.9	0	3,4,5	-1335183	-16781	-32469	-1184370	-14886	SLD 9	0.887	No
770	18.1	1.1	0	6	-838692	-62702	-12170	-753994	-56370	SLD 9	0.899	No
80	18.1	0.9	0	3,4,5	1151711	499664	-37643	1239454	537731	SLD 5	1.076	Si
478	18.1	2.3	0	3,4,5,6	741210	-11091	-13335	807298	-12080	SLD 9	1.089	Si
741	18.1	1.1	0	6	-683148	-57591	-12285	-806159	-67961	SLD 9	1.18	Si
290	18.1	0.9	0	3,4,5	-982696	-419691	-36580	-1323804	-565372	SLD 5	1.347	Si
508	18.1	1.1	0	6	582954	-16287	-13218	889869	-24862	SLD 9	1.526	Si
110	18.1	0.9	0	3,4,5	846795	368332	-37492	1416806	616271	SLD 5	1.673	Si
712	18.1	1.1	0	6	-524893	-52378	-12401	-905443	-90352	SLD 9	1.725	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.199	24	0.249	0.074	0.202	SLV 5	No
20	0.257	41	0.31	0.098	0.268	SLV 5	No
350	0.295	54	0.347	0.113	0.31	SLV 5	No
50	0.342	71	0.389	0.13	0.357	SLV 5	No
420	0.293	53	0.345	0.112	0.307	SLV 9	No
320	0.401	98	0.443	0.153	0.42	SLV 5	No
80	0.473	136	0.507	0.179	0.491	SLV 5	No
449	0.371	84	0.416	0.141	0.389	SLV 9	No
770	0.396	95	0.438	0.15	0.413	SLV 9	No
290	0.564	197	0.59	0.212	0.582	SLV 9	No
478	0.48	140	0.513	0.181	0.498	SLV 9	No
741	0.52	165	0.549	0.195	0.536	SLV 9	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
110	0.675	290	0.692	0.25	0.688	SLV 9	No
508	0.645	262	0.664	0.24	0.658	SLV 9	No
712	0.713	327	0.727	0.264	0.724	SLV 9	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.449	16	0.531	0.06	0.428	SLD 5	No
20	0.58	28	0.668	0.081	0.572	SLD 5	No
350	0.667	37	0.748	0.093	0.659	SLD 5	No
420	0.662	37	0.748	0.093	0.659	SLD 9	No
50	0.773	50	0.847	0.109	0.773	SLD 5	No
449	0.838	59	0.906	0.119	0.841	SLD 9	No
320	0.906	68	0.961	0.128	0.904	SLD 5	No
770	0.895	67	0.955	0.126	0.896	SLD 9	No
80	1.068	94	1.097	0.15	1.061	SLD 5	Si
478	1.086	97	1.111	0.152	1.08	SLD 9	Si
741	1.174	114	1.187	0.165	1.167	SLD 9	Si
290	1.276	135	1.273	0.178	1.265	SLD 9	Si
508	1.457	178	1.425	0.203	1.436	SLD 9	Si
110	1.525	196	1.483	0.212	1.5	SLD 9	Si
712	1.609	221	1.557	0.223	1.58	SLD 9	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-2387	-21042	SLU 36	7901	3526	28158	2.5	3.31	-2346	-20163	SLU 29	7787	3526	28039	2.5	3.32	Si
741	2X/2Y ø6/25	-2387	-21191	SLU 36	7921	3526	28178	2.5	3.32	-2346	-20312	SLU 29	7806	3526	28059	2.5	3.33	Si
712	2X/2Y ø6/25	-2387	-21343	SLU 36	7941	3526	28198	2.5	3.33	-2346	-20464	SLU 29	7826	3526	28080	2.5	3.34	Si
683	2X/2Y ø6/25	-2387	-21494	SLU 36	7960	3526	28218	2.5	3.33	-2346	-20615	SLU 29	7846	3526	28100	2.5	3.34	Si
653	2X/2Y ø6/25	-2387	-21646	SLU 36	7980	3526	28239	2.5	3.34	-2346	-20767	SLU 29	7866	3526	28120	2.5	3.35	Si
624	2X/2Y ø6/25	-2387	-21798	SLU 36	8000	3526	28259	2.5	3.35	-2346	-20919	SLU 29	7885	3526	28141	2.5	3.36	Si
595	2X/2Y ø6/25	-2387	-21949	SLU 36	8020	3526	28280	2.5	3.36	-2346	-21070	SLU 29	7905	3526	28161	2.5	3.37	Si
566	2X/2Y ø6/25	-2387	-22101	SLU 36	8039	3526	28300	2.5	3.37	-2346	-21222	SLU 29	7925	3526	28182	2.5	3.38	Si
537	2X/2Y ø6/25	-2387	-22253	SLU 36	8059	3526	28321	2.5	3.38	-2346	-21374	SLU 29	7945	3526	28202	2.5	3.39	Si
508	2X/2Y ø6/25	-2387	-22404	SLU 36	8079	3526	28341	2.5	3.38	-2346	-21525	SLU 29	7964	3526	28223	2.5	3.39	Si
478	2X/2Y ø6/25	-2387	-22556	SLU 36	8099	3526	28361	2.5	3.39	-2346	-21677	SLU 29	7984	3526	28243	2.5	3.4	Si
449	2X/2Y ø6/25	-2387	-22708	SLU 36	8118	3526	28382	2.5	3.4	-2346	-21829	SLU 29	8004	3526	28263	2.5	3.41	Si
420	2X/2Y ø6/25	-2387	-22857	SLU 36	8138	3526	28402	2.5	3.41	-2346	-21978	SLU 29	8023	3526	28283	2.5	3.42	Si
260	2X/2Y ø6/24	-2113	-49774	SLU 30	12670	4203	39410	2.5	6	-3524	-49774	SLU 30	12670	4203	39410	2.5	3.6	Si
230	2X/2Y ø6/24	-2113	-49971	SLU 30	12670	4203	39437	2.5	6	-3524	-49971	SLU 30	12670	4203	39437	2.5	3.6	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	19426	-16856	SLV 15	8598	4203	34904	2.5	0.44	-25603	-27317	SLV 9	9983	4203	36336	2.5	0.39	No
320	2X/2Y ø6/24	19426	-17006	SLV 15	8618	4203	34924	2.5	0.44	-25603	-27467	SLV 9	10003	4203	36356	2.5	0.39	No
290	2X/2Y ø6/24	19426	-17158	SLV 15	8638	4203	34945	2.5	0.44	-25603	-27619	SLV 9	10023	4203	36377	2.5	0.39	No
260	2X/2Y ø6/24	19426	-17310	SLV 15	8658	4203	34966	2.5	0.45	-25603	-27770	SLV 9	10043	4203	36398	2.5	0.39	No
230	2X/2Y ø6/24	19426	-17461	SLV 15	8679	4203	34986	2.5	0.45	-25603	-27922	SLV 9	10063	4203	36418	2.5	0.39	No
200	2X/2Y ø6/24	19426	-17614	SLV 15	8699	4203	35007	2.5	0.45	-25603	-28075	SLV 9	10083	4203	36439	2.5	0.39	No
170	2X/2Y ø6/24	19426	-17765	SLV 15	8719	4203	35028	2.5	0.45	-25603	-28226	SLV 9	10103	4203	36460	2.5	0.39	No
140	2X/2Y ø6/24	19426	-17917	SLV 15	8739	4203	35049	2.5	0.45	-25603	-28378	SLV 9	10123	4203	36481	2.5	0.4	No
110	2X/2Y ø6/24	19426	-18069	SLV 15	8759	4203	35069	2.5	0.45	-25603	-28530	SLV 9	10143	4203	36502	2.5	0.4	No
80	2X/2Y ø6/24	19426	-18221	SLV 15	8779	4203	35090	2.5	0.45	-25603	-28682	SLV 9	10163	4203	36522	2.5	0.4	No
50	2X/2Y ø6/24	19426	-18373	SLV 15	8799	4203	35111	2.5	0.45	-25603	-28834	SLV 9	10183	4203	36543	2.5	0.4	No
20	2X/2Y ø6/24	19426	-18527	SLV 15	8819	4203	35132	2.5	0.45	-25603	-28987	SLV 9	10204	4203	36564	2.5	0.4	No
-10	2X/2Y ø6/24	19426	-18674	SLV 15	8839	4203	35152	2.5	0.46	-25603	-29135	SLV 9	10223	4203	36584	2.5	0.4	No
770	2X/2Y ø6/25	8610	2533	SLV 13	5163	3526	25325	2.5	0.6	-12500	-7353	SLV 9	6120	3526	26315	2.5	0.49	No
741	2X/2Y ø6/25	8610	2418	SLV 13	5163	3526	25325	2.5	0.6	-12500	-7468	SLV 9	6135	3526	26330	2.5	0.49	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-8846	-41408	SLD 1	11847	4203	38265	2.5	1.34	-10539	-32320	SLD 9	10645	4203	37020	2.5	1.01	Si
320	2X/2Y ø6/24	-8846	-41557	SLD 1	11867	4203	38285	2.5	1.34	-10539	-32469	SLD 9	10664	4203	37041	2.5	1.01	Si
290	2X/2Y ø6/24	-8846	-41709	SLD 1	11887	4203	38306	2.5	1.34	-10539	-32621	SLD 9	10685	4203	37062	2.5	1.01	Si
260	2X/2Y ø6/24	-8846	-41861	SLD 1	11907	4203	38327	2.5	1.35	-10539	-32773	SLD 9	10705	4203	37082	2.5	1.02	Si
230	2X/2Y ø6/24	-8846	-42013	SLD 1	11927	4203	38347	2.5	1.35	-10539	-32924	SLD 9	10725	4203	37103	2.5	1.02	Si
200	2X/2Y ø6/24	-8846	-42165	SLD 1	11948	4203	38368	2.5	1.35	-10539	-33077	SLD 9	10745	4203	37124	2.5	1.02	Si
170	2X/2Y ø6/24	-8846	-42317	SLD 1	11968	4203	38389	2.5	1.35	-10539	-33228	SLD 9	10765	4203	37145	2.5	1.02	Si
140	2X/2Y ø6/24	-8846	-42468	SLD 1	11988	4203	38410	2.5	1.36	-10539	-33380	SLD 9	10785	4203	37166	2.5	1.02	Si
110	2X/2Y ø6/24	-8846	-42620	SLD 1	12008	4203	38430	2.5	1.36	-10539	-33532	SLD 9	10805	4203	37186	2.5	1.03	Si
80	2X/2Y ø6/24	-8846	-42772	SLD 1	12028	4203	38451	2.5	1.36	-10539	-33684	SLD 9	10825	4203	37207	2.5	1.03	Si
50	2X/2Y ø6/24	-8846	-42924	SLD 1	12048	4203	38472	2.5	1.36	-10539	-33836	SLD 9	10845	4203	37228	2.5	1.03	Si
20	2X/2Y ø6/24	-8846	-43078	SLD 1	12068	4203	38493	2.5	1.36	-10539	-33990	SLD 9	10866	4203	37249	2.5	1.03	Si
-10	2X/2Y ø6/24	-8846	-43225	SLD 1	12088	4203	38513	2.5	1.37	-10539	-34137	SLD 9	10885	4203	37269	2.5	1.03	Si
770	2X/2Y ø6/25	-5286	-20855	SLD 3	7877	3526	28132	2.5	1.49	-5426	-12170	SLD 9	6747	3526	26963	2.5	1.24	Si
741	2X/2Y ø6/25	-5286	-20970	SLD 3	7892	3526	28148	2.5	1.49	-5426	-12285	SLD 9	6762	3526	26979	2.5	1.25	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.355	77	0.402	0.135	0.372	SLV 9	No
320	0.356	77	0.402	0.135	0.372	SLV 9	No
290	0.357	78	0.404	0.136	0.375	SLV 9	No
260	0.358	78	0.404	0.136	0.375	SLV 9	No
230	0.359	78	0.404	0.136	0.375	SLV 9	No
200	0.359	78	0.404	0.136	0.375	SLV 9	No
170	0.36	79	0.406	0.137	0.377	SLV 9	No
140	0.361	79	0.406	0.137	0.377	SLV 9	No
110	0.362	80	0.408	0.138	0.379	SLV 9	No
80	0.363	80	0.408	0.138	0.379	SLV 9	No
50	0.364	81	0.41	0.139	0.382	SLV 9	No
20	0.364	81	0.41	0.139	0.382	SLV 9	No
-10	0.365	81	0.41	0.139	0.382	SLV 9	No
770	0.463	130	0.498	0.175	0.48	SLV 9	No
741	0.464	131	0.5	0.175	0.482	SLV 9	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.012	85	1.053	0.143	1.01	SLD 9	Si
320	1.016	85	1.053	0.143	1.01	SLD 9	Si
290	1.018	86	1.058	0.143	1.017	SLD 9	Si
260	1.02	86	1.058	0.143	1.017	SLD 9	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
230	1.021	86	1.058	0.143	1.017	SLD 9	Si
200	1.023	86	1.058	0.143	1.017	SLD 9	Si
170	1.027	87	1.063	0.144	1.023	SLD 9	Si
140	1.029	87	1.063	0.144	1.023	SLD 9	Si
110	1.031	88	1.068	0.145	1.03	SLD 9	Si
80	1.033	88	1.068	0.145	1.03	SLD 9	Si
50	1.035	88	1.068	0.145	1.03	SLD 9	Si
20	1.039	89	1.073	0.146	1.036	SLD 9	Si
-10	1.041	89	1.073	0.146	1.036	SLD 9	Si
770	1.316	144	1.307	0.184	1.304	SLD 9	Si
741	1.32	146	1.314	0.185	1.308	SLD 9	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 62

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	5339	-411608	-47658	19422	-1497357	SLU 30	3.638	Si
20	18.1	1.8	0	1,2,3,4	-1658	-362711	-47467	-6376	-1394769	SLU 30	3.845	Si
50	18.1	1.8	0	1,2,3,4	-8961	-311675	-47267	-36478	-1268706	SLU 30	4.071	Si
80	18.1	0.9	0	2,3,4	-16171	-261288	-47069	-69688	-1125980	SLU 30	4.309	Si
110	18.1	0.9	0	2,3,4	-23381	-210902	-46872	-106736	-962765	SLU 30	4.565	Si
350	18.1	0.9	0	2,3,4	-80942	191349	-45296	-382151	903413	SLU 30	4.721	Si
140	18.1	0.9	0	2,3,4	-30592	-160516	-46674	-147985	-776488	SLU 30	4.837	Si
170	18.1	0.9	0	2,3,4	-36668	-105643	-46540	-178548	-514407	SLU 36	4.869	Si
200	18.1	0.9	0	2,3,4	-43637	-59498	-46343	-213388	-290947	SLU 36	4.89	Si
230	18.1	0.9	0	2,3,4	-50637	-13155	-46145	-248677	-64604	SLU 36	4.911	Si
260	18.1	0.9	0	2,3,4	-57621	33089	-45948	-284193	163196	SLU 36	4.932	Si
290	18.1	0.9	0	2,3,4	-64606	79333	-45750	-320016	392963	SLU 36	4.953	Si
320	18.1	0.9	0	2,3,4	-71590	125576	-45553	-356149	624721	SLU 36	4.975	Si
420	18.1	2.3	0	2,3,4,5	78758	8713	-23531	607751	67235	SLU 36	7.717	Si
449	18.1	2.3	0	2,3,4,5	66946	9252	-23382	534375	73852	SLU 36	7.982	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	-70584	-3882497	-38196	-15119	-831622	SLV 15	0.214				No
20	18.1	1.8	0	1,2,3,4	-7620	-3347045	-38048	-1957	-859749	SLV 15	0.257				No
50	18.1	1.8	0	1,2,3,4	48961	-2788159	-37895	15860	-903180	SLV 15	0.324				No
350	18.1	0.9	0	2,3,4	648765	2720391	-36378	212874	892620	SLV 15	0.328				No
420	18.1	2.3	0	2,3,4,5	-577787	1659214	-10279	-224886	645800	SLV 3	0.389				No
80	18.1	0.9	0	2,3,4	108949	-2236394	-37743	47525	-975544	SLV 15	0.436				No
320	18.1	0.9	0	2,3,4	589669	2177822	-36528	260257	961204	SLV 15	0.441				No
449	18.1	2.3	0	2,3,4,5	-493332	1413106	-10164	-229121	656296	SLV 3	0.464				No
770	18.1	1.1	0	5	450426	-1337158	-8883	219256	-650896	SLV 3	0.487				No
478	18.1	2.3	0	2,3,4,5	-407404	1162709	-10047	-235516	672149	SLV 3	0.578				No
741	18.1	1.1	0	5	365972	-1091054	-8997	224189	-668364	SLV 3	0.613				No
290	18.1	0.9	0	2,3,4	-1587782	-551865	-30630	-1003471	-348776	SLV 5	0.632				No
110	18.1	0.9	0	2,3,4	169017	-1684632	-37591	112017	-1116500	SLV 15	0.663				No
508	18.1	1.1	0	5	-321477	912317	-9931	-245944	697961	SLV 3	0.765				No
260	18.1	0.9	0	2,3,4	-1408161	-384491	-30782	-1079389	-294722	SLV 5	0.767				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-29084	-1873930	-35843	-16013	-1031723	SLD 15	0.551	No
20	18.1	1.8	0	1,2,3,4	-3924	-1618691	-35696	-2698	-1113187	SLD 15	0.688	No
50	18.1	1.8	0	1,2,3,4	18293	-1352282	-35542	16963	-1253929	SLD 15	0.927	No
350	18.1	0.9	0	2,3,4	255917	1273523	-34025	245893	1223642	SLD 15	0.961	No

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	801270	-283828	-17820	843728	-298868	SLD 9	1.053	Si
449	18.1	2.3	0	2,3,4,5	683555	-240207	-17705	893938	-314137	SLD 9	1.308	Si
80	18.1	0.9	0	2,3,4	42054	-1089267	-35390	56689	-1468334	SLD 15	1.348	Si
320	18.1	0.9	0	2,3,4	232504	1014892	-34175	320384	1398491	SLD 15	1.378	Si
770	18.1	1.1	0	5	-631859	247279	-16424	-882263	345275	SLD 9	1.396	Si
478	18.1	2.3	0	2,3,4,5	563786	-195825	-17588	967193	-335945	SLD 9	1.716	Si
741	18.1	1.1	0	5	-514144	203659	-16538	-958008	379479	SLD 9	1.863	Si
110	18.1	0.9	0	2,3,4	65851	-826254	-35238	138182	-1733820	SLD 15	2.098	Si
290	18.1	0.9	0	2,3,4	-728278	-211818	-31650	-1554092	-452005	SLD 5	2.134	Si
508	18.1	1.1	0	5	444018	-151445	-17472	1073563	-366170	SLD 9	1.818	Si
260	18.1	0.9	0	2,3,4	-646007	-156621	-31801	-1684678	-408441	SLD 5	2.608	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.281	49	0.334	0.107	0.295	SLV 15	No
20	0.337	69	0.384	0.128	0.352	SLV 15	No
50	0.42	107	0.46	0.159	0.438	SLV 15	No
350	0.43	112	0.468	0.163	0.447	SLV 15	No
420	0.461	129	0.496	0.174	0.479	SLV 9	No
80	0.544	182	0.572	0.204	0.561	SLV 15	No
320	0.551	187	0.578	0.207	0.568	SLV 15	No
449	0.548	185	0.575	0.206	0.565	SLV 3	No
770	0.57	201	0.595	0.214	0.587	SLV 3	No
478	0.656	273	0.675	0.244	0.67	SLV 3	No
741	0.688	302	0.704	0.255	0.701	SLV 3	No
290	0.729	344	0.742	0.269	0.741	SLV 5	No
110	0.751	366	0.761	0.277	0.761	SLV 15	No
508	0.818	442	0.822	0.3	0.825	SLV 3	No
260	0.838	465	0.84	0.307	0.843	SLV 5	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.634	34	0.723	0.089	0.628	SLD 15	No
20	0.763	48	0.833	0.107	0.755	SLD 15	No
50	0.949	74	0.995	0.134	0.948	SLD 15	No
350	0.973	78	1.016	0.137	0.97	SLD 15	Si
420	1.043	89	1.073	0.146	1.036	SLD 9	Si
449	1.238	128	1.245	0.174	1.23	SLD 3	Si
80	1.229	125	1.233	0.172	1.219	SLD 15	Si
320	1.244	129	1.249	0.174	1.235	SLD 15	Si
770	1.289	138	1.284	0.18	1.275	SLD 3	Si
478	1.482	185	1.448	0.206	1.46	SLD 3	Si
741	1.557	206	1.513	0.216	1.531	SLD 3	Si
110	1.697	248	1.633	0.234	1.661	SLD 15	Si
290	1.648	234	1.594	0.228	1.618	SLD 5	Si
508	1.852	301	1.768	0.255	1.805	SLD 3	Si
260	1.895	316	1.803	0.26	1.842	SLD 5	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	1686	-44912	SLU 29	12311	4203	38744	2.5	7.3	-240	-44912	SLU 29	12311	4203	38744	2.5	51.36	Si
320	2X/2Y ø6/24	1686	-45106	SLU 29	12337	4203	38771	2.5	7.32	-240	-45106	SLU 29	12337	4203	38771	2.5	51.47	Si
290	2X/2Y ø6/24	1686	-45303	SLU 29	12363	4203	38798	2.5	7.33	-240	-45303	SLU 29	12363	4203	38798	2.5	51.57	Si
260	2X/2Y ø6/24	1686	-45501	SLU 29	12389	4203	38825	2.5	7.35	-240	-45501	SLU 29	12389	4203	38825	2.5	51.68	Si
230	2X/2Y ø6/24	1686	-45698	SLU 29	12415	4203	38852	2.5	7.36	-240	-45698	SLU 29	12415	4203	38852	2.5	51.79	Si
200	2X/2Y ø6/24	1686	-45896	SLU 29	12441	4203	38879	2.5	7.38	-240	-45896	SLU 29	12441	4203	38879	2.5	51.9	Si
170	2X/2Y ø6/24	1686	-46093	SLU 29	12467	4203	38906	2.5	7.39	-240	-46093	SLU 29	12467	4203	38906	2.5	52.01	Si
140	2X/2Y ø6/24	1686	-46291	SLU 29	12494	4203	38933	2.5	7.41	-240	-46291	SLU 29	12494	4203	38933	2.5	52.12	Si
110	2X/2Y ø6/24	1686	-46488	SLU 29	12520	4203	38960	2.5	7.43	-240	-46488	SLU 29	12520	4203	38960	2.5	52.23	Si
80	2X/2Y ø6/24	1686	-46685	SLU 29	12546	4203	38987	2.5	7.44	-240	-46685	SLU 29	12546	4203	38987	2.5	52.34	Si
50	2X/2Y ø6/24	1686	-46883	SLU 29	12572	4203	39014	2.5	7.46	-240	-46883	SLU 29	12572	4203	39014	2.5	51.85	Si
20	2X/2Y ø6/24	1686	-47083	SLU 29	12598	4203	39041	2.5	7.47	-240	-47083	SLU 29	12598	4203	39041	2.5	52.56	Si
-10	2X/2Y ø6/24	1686	-47274	SLU 29	12624	4203	39068	2.5	7.49	-240	-47274	SLU 29	12624	4203	39068	2.5	52.66	Si
770	2X/2Y ø6/25	59	-16077	SLU 11	7255	3526	27489	2.5	123.64	-433	-20145	SLU 29	7785	3526	28037	2.5	17.98	Si
741	2X/2Y ø6/25	59	-16192	SLU 11	7270	3526	27505	2.5	123.89	-433	-20294	SLU 29	7804	3526	28057	2.5	18.02	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-20625	-26840	SLV 1	9920	4203	36270	2.5	0.48	-7501	-29853	SLV 5	10318	4203	36683	2.5	1.38	No
320	2X/2Y ø6/24	-20625	-26989	SLV 1	9939	4203	36291	2.5	0.48	-7501	-30002	SLV 5	10338	4203	36703	2.5	1.38	No
290	2X/2Y ø6/24	-20625	-27141	SLV 1	9959	4203	36311	2.5	0.48	-7501	-30154	SLV 5	10358	4203	36724	2.5	1.38	No
260	2X/2Y ø6/24	-20625	-27293	SLV 1	9980	4203	36332	2.5	0.48	-7501	-30306	SLV 5	10378	4203	36745	2.5	1.38	No
230	2X/2Y ø6/24	-20625	-27445	SLV 1	10000	4203	36353	2.5	0.48	-7501	-30458	SLV 5	10398	4203	36765	2.5	1.39	No
200	2X/2Y ø6/24	-20625	-27597	SLV 1	10020	4203	36374	2.5	0.49	-7501	-30610	SLV 5	10419	4203	36786	2.5	1.39	No
170	2X/2Y ø6/24	-20625	-27749	SLV 1	10040	4203	36395	2.5	0.49	-7501	-30762	SLV 5	10439	4203	36807	2.5	1.39	No
140	2X/2Y ø6/24	-20625	-27900	SLV 1	10060	4203	36415	2.5	0.49	-7501	-30913	SLV 5	10459	4203	36828	2.5	1.39	No
110	2X/2Y ø6/24	-20625	-28052	SLV 1	10080	4203	36436	2.5	0.49	-7501	-31065	SLV 5	10479	4203	36849	2.5	1.4	No
80	2X/2Y ø6/24	-20625	-28204	SLV 1	10100	4203	36457	2.5	0.49	-7501	-31217	SLV 5	10499	4203	36869	2.5	1.4	No
50	2X/2Y ø6/24	-20625	-28356	SLV 1	10120	4203	36478	2.5	0.49	-7501	-31369	SLV 5	10519	4203	36890	2.5	1.4	No
20	2X/2Y ø6/24	-20625	-28510	SLV 1	10141	4203	36499	2.5	0.49	-7501	-31523	SLV 5	10539	4203	36911	2.5	1.41	No
-10	2X/2Y ø6/24	-20625	-28657	SLV 1	10160	4203	36519	2.5	0.49	-7501	-31670	SLV 5	10559	4203	36931	2.5	1.41	No
770	2X/2Y ø6/25	-10823	-7241	SLV 3	6106	3526	26300	2.5	0.56	10510	-11706	SLV 7	6687	3526	26901	2.5	0.64	No
741	2X/2Y ø6/25	-10823	-7356	SLV 3	6121	3526	26315	2.5	0.57	10510	-11821	SLV 7	6702	3526	26916	2.5	0.64	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	8767	-34025	SLD 15	10870	4203	37254	2.5	1.24	-2742	-31348	SLD 5	10516	4203	36887	2.5	3.83	Si
320	2X/2Y ø6/24	8767	-34175	SLD 15	10890	4203	37274	2.5	1.24	-2742	-31498	SLD 5	10536	4203	36908	2.5	3.84	Si
290	2X/2Y ø6/24	8767	-34327	SLD 15	10910	4203	37295	2.5	1.24	-2742	-31650	SLD 5	10556	4203	36929	2.5	3.85	Si
260	2X/2Y ø6/24	8767	-34479	SLD 15	10930	4203	37316	2.5	1.25	-2742	-31801	SLD 5	10576	4203	36949	2.5	3.86	Si
230	2X/2Y ø6/24	8767	-34630	SLD 15	10951	4203	37337	2.5	1.25	-2742	-31953	SLD 5	10596	4203	36970	2.5	3.86	Si
200	2X/2Y ø6/24	8767	-34783	SLD 15	10971	4203	37358	2.5	1.25	-2742	-32105	SLD 5	10616	4203	36991	2.5	3.87	Si
170	2X/2Y ø6/24	8767	-34934	SLD 15	10991	4203	37378	2.5	1.25	-2742	-32257	SLD 5	10636	4203	37012	2.5	3.88	Si
140	2X/2Y ø6/24	8767	-35086	SLD 15	11011	4203	37399	2.5	1.26	-2742	-32409	SLD 5	10657	4203	37033	2.5	3.89	Si
110	2X/2Y ø6/24	8767	-35238	SLD 15	11031	4203	37420	2.5	1.26	-2742	-32561	SLD 5	10677	4203	37053	2.5	3.89	Si
80	2X/2Y ø6/24	8767	-35390	SLD 15	11051	4203	37441	2.5	1.26	-2742	-32713	SLD 5	10697	4203	37074	2.5	3.9	Si
50	2X/2Y ø6/24	8767	-35542	SLD 15	11071	4203	37461	2.5	1.26	-2742	-32865	SLD 5	10717	4203	37095	2.5	3.91	Si
20	2X/2Y ø6/24	8767	-35696	SLD 15	11091	4203	37483	2.5	1.27	-2742	-33018	SLD 5	10737	4203	37116	2.5	3.92	Si
-10	2X/2Y ø6/24	8767	-35843	SLD 15	11111	4203	37503	2.5	1.27	-2742	-33166	SLD 5	10757	4203	37136	2.5	3.92	Si

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-3784	-12403	SLD 3	6777	3526	26995	2.5	1.79	-4106	-16424	SLD 9	7301	3526	27536	2.5	1.78	Si
741	2X/2Y ø6/25	-3784	-12518	SLD 3	6792	3526	27010	2.5	1.79	-4106	-16538	SLD 9	7315	3526	27551	2.5	1.78	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.451	124	0.488	0.171	0.47	SLV 15	No
320	0.452	124	0.488	0.171	0.47	SLV 15	No
290	0.453	125	0.49	0.172	0.471	SLV 15	No
260	0.454	125	0.49	0.172	0.471	SLV 15	No
230	0.455	126	0.492	0.172	0.473	SLV 15	No
200	0.456	126	0.492	0.172	0.473	SLV 15	No
170	0.457	127	0.493	0.173	0.475	SLV 15	No
140	0.458	127	0.493	0.173	0.475	SLV 15	No
110	0.459	128	0.495	0.173	0.477	SLV 15	No
80	0.46	128	0.495	0.173	0.477	SLV 15	No
50	0.461	129	0.496	0.174	0.479	SLV 15	No
20	0.462	130	0.498	0.175	0.48	SLV 15	No
-10	0.463	130	0.498	0.175	0.48	SLV 15	No
770	0.603	227	0.626	0.225	0.619	SLV 3	No
741	0.604	228	0.627	0.226	0.62	SLV 3	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.285	138	1.284	0.18	1.275	SLD 15	Si
320	1.287	138	1.284	0.18	1.275	SLD 15	Si
290	1.289	138	1.284	0.18	1.275	SLD 15	Si
260	1.293	139	1.288	0.181	1.279	SLD 15	Si
230	1.295	140	1.292	0.181	1.284	SLD 15	Si
200	1.297	140	1.292	0.181	1.284	SLD 15	Si
170	1.301	141	1.295	0.182	1.289	SLD 15	Si
140	1.305	141	1.295	0.182	1.289	SLD 15	Si
110	1.307	142	1.299	0.183	1.294	SLD 15	Si
80	1.309	142	1.299	0.183	1.294	SLD 15	Si
50	1.313	143	1.303	0.183	1.299	SLD 15	Si
20	1.314	143	1.303	0.183	1.299	SLD 15	Si
-10	1.316	144	1.307	0.184	1.304	SLD 15	Si
770	1.719	256	1.654	0.238	1.683	SLD 3	Si
741	1.723	257	1.657	0.238	1.686	SLD 3	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 62A

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	3231	-291321	-53679	12313	-1110058	SLU 30	3.81	Si
350	18.1	0.9	0	2,3,4	-144250	248275	-51316	-570518	981941	SLU 30	3.955	Si
20	18.1	1.8	0	1,2,3,4	-8729	-247563	-53487	-34753	-985684	SLU 30	3.982	Si
320	18.1	0.9	0	2,3,4	-132131	203935	-51510	-547692	845323	SLU 30	4.145	Si
50	18.1	1.8	0	1,2,3,4	-21212	-201889	-53287	-88408	-841442	SLU 30	4.168	Si
80	18.1	0.9	0	2,3,4	-33536	-156798	-53090	-143152	-669301	SLU 30	4.269	Si
110	18.1	0.9	0	2,3,4	-45861	-111706	-52893	-196490	-478605	SLU 30	4.284	Si
140	18.1	0.9	0	2,3,4	-58185	-66615	-52695	-250228	-286479	SLU 30	4.301	Si
170	18.1	0.9	0	2,3,4	-70510	-21523	-52498	-304370	-92909	SLU 30	4.317	Si
200	18.1	0.9	0	2,3,4	-82807	23472	-52301	-358803	101702	SLU 30	4.333	Si
290	18.1	0.9	0	2,3,4	-119807	158844	-51708	-519767	689121	SLU 30	4.338	Si
230	18.1	0.9	0	2,3,4	-95158	68660	-52103	-413885	298634	SLU 30	4.349	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
260	18.1	0.9	0	2,3,4	-107483	113752	-51905	-469268	496639	SLU 30	4.366	Si
420	18.1	2.3	0	2,3,4,5	73983	-118625	-23948	486089	-779397	SLU 36	6.57	Si
449	18.1	2.3	0	2,3,4,5	67306	-101130	-23799	466793	-701372	SLU 36	6.935	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	-14083	-3905654	-36024	-2961	-821278	SLV 15	0.21				No
20	18.1	1.8	0	1,2,3,4	24576	-3355702	-35877	6204	-847123	SLV 15	0.252				No
350	18.1	0.9	0	2,3,4	307987	2875997	-34207	92862	867147	SLV 15	0.302				No
50	18.1	1.8	0	1,2,3,4	42240	-2781681	-35723	13484	-888001	SLV 15	0.319				No
420	18.1	2.3	0	2,3,4,5	298949	-1752853	-16945	117554	-689265	SLV 13	0.393				No
320	18.1	0.9	0	2,3,4	281501	2318733	-34356	112430	926088	SLV 15	0.399				No
80	18.1	0.9	0	2,3,4	66001	-2214972	-35571	28514	-956910	SLV 15	0.432				No
449	18.1	2.3	0	2,3,4,5	276639	-1494772	-16830	131149	-708644	SLV 13	0.474				No
770	18.1	1.1	0	5	12206	1389235	-15549	6245	710749	SLV 13	0.512				No
290	18.1	0.9	0	2,3,4	254566	1752026	-34508	151554	1043052	SLV 15	0.595				No
478	18.1	2.3	0	2,3,4,5	254121	-1232190	-16713	152382	-738876	SLV 13	0.6				No
741	18.1	1.1	0	5	73429	1131156	-15663	48350	744825	SLV 13	0.658				No
110	18.1	0.9	0	2,3,4	92945	-1648266	-35419	61727	-1094649	SLV 15	0.664				No
508	18.1	1.1	0	5	231830	-969612	-16597	188917	-790132	SLV 13	0.815				No
260	18.1	0.9	0	2,3,4	-1445051	293700	-36756	-1187937	241443	SLV 9	0.822				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-4906	-1843130	-37442	-2831	-1063565	SLD 15	0.577	No
20	18.1	1.8	0	1,2,3,4	7377	-1582549	-37294	5408	-1160176	SLD 15	0.733	No
350	18.1	0.9	0	2,3,4	78114	1370186	-35624	70545	1237410	SLD 15	0.903	No
50	18.1	1.8	0	1,2,3,4	10157	-1310563	-37141	10298	-1328834	SLD 15	1.014	Si
420	18.1	2.3	0	2,3,4,5	162865	-825532	-16717	165835	-840584	SLD 13	1.018	Si
320	18.1	0.9	0	2,3,4	-367405	1049747	-35851	-464444	1327007	SLD 13	1.264	Si
449	18.1	2.3	0	2,3,4,5	150289	-703981	-16602	190500	-892339	SLD 13	1.268	Si
770	18.1	1.1	0	5	3058	654323	-15321	4233	905535	SLD 13	1.384	Si
80	18.1	0.9	0	2,3,4	15699	-1042042	-36989	23660	-1570449	SLD 15	1.507	Si
478	18.1	2.3	0	2,3,4,5	137573	-580311	-16485	229132	-966519	SLD 13	1.666	Si
290	18.1	0.9	0	2,3,4	-332694	795063	-36002	-604815	1445368	SLD 13	1.818	Si
741	18.1	1.1	0	5	32855	532773	-15435	62969	1021092	SLD 13	1.917	Si
508	18.1	1.1	0	5	124958	-456641	-16369	292025	-1067164	SLD 13	2.337	Si
110	18.1	0.9	0	2,3,4	22650	-773522	-36837	53897	-1840634	SLD 15	2.38	Si
260	18.1	0.9	0	2,3,4	-682797	174568	-37005	-1711145	437482	SLD 9	2.506	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.304	57	0.355	0.116	0.319	SLV 15	No
20	0.362	80	0.408	0.138	0.379	SLV 15	No
350	0.415	104	0.454	0.157	0.432	SLV 15	No
50	0.446	121	0.484	0.169	0.464	SLV 15	No
420	0.449	122	0.485	0.17	0.466	SLV 13	No
320	0.526	170	0.556	0.198	0.544	SLV 15	No
80	0.571	202	0.597	0.214	0.589	SLV 15	No
449	0.534	175	0.563	0.201	0.551	SLV 13	No
770	0.568	200	0.594	0.213	0.586	SLV 13	No
290	0.704	318	0.719	0.26	0.716	SLV 13	No
478	0.658	275	0.677	0.245	0.672	SLV 13	No
741	0.712	326	0.726	0.263	0.724	SLV 13	No
110	0.777	395	0.785	0.286	0.786	SLV 15	No
508	0.849	478	0.849	0.31	0.853	SLV 13	No
260	0.878	519	0.878	0.321	0.882	SLV 9	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.688	39	0.765	0.096	0.679	SLD 15	No
20	0.818	56	0.887	0.115	0.817	SLD 15	No
350	0.937	72	0.983	0.132	0.934	SLD 15	No
50	1.009	84	1.048	0.142	1.004	SLD 15	Si
420	1.015	85	1.053	0.143	1.01	SLD 13	Si
320	1.189	118	1.204	0.167	1.183	SLD 15	Si
449	1.209	121	1.217	0.169	1.199	SLD 13	Si
770	1.283	136	1.276	0.179	1.27	SLD 13	Si
80	1.291	139	1.288	0.181	1.279	SLD 15	Si
478	1.488	186	1.451	0.207	1.464	SLD 13	Si
290	1.59	215	1.54	0.22	1.561	SLD 13	Si
741	1.609	221	1.557	0.223	1.58	SLD 13	Si
508	1.918	325	1.824	0.263	1.864	SLD 13	Si
110	1.758	269	1.688	0.242	1.718	SLD 15	Si
260	1.984	350	1.881	0.272	1.924	SLD 9	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-10	2X/2Y ø6/23.9	1508	-53264	SLU 29	12670	4223	39888	2.5	8.4	-411	-53679	SLU 30	12670	4223	39944	2.5	30.84	Si
320	2X/2Y ø6/23.9	1508	-51096	SLU 29	12670	4223	39591	2.5	8.4	-411	-51510	SLU 30	12670	4223	39648	2.5	30.84	Si
290	2X/2Y ø6/23.9	1508	-51293	SLU 29	12670	4223	39618	2.5	8.4	-411	-51708	SLU 30	12670	4223	39675	2.5	30.84	Si
260	2X/2Y ø6/23.9	1508	-51491	SLU 29	12670	4223	39645	2.5	8.4	-411	-51905	SLU 30	12670	4223	39702	2.5	30.84	Si
230	2X/2Y ø6/23.9	1508	-51688	SLU 29	12670	4223	39672	2.5	8.4	-411	-52103	SLU 30	12670	4223	39729	2.5	30.84	Si
200	2X/2Y ø6/23.9	1508	-51886	SLU 29	12670	4223	39699	2.5	8.4	-411	-52301	SLU 30	12670	4223	39756	2.5	30.84	Si
350	2X/2Y ø6/23.9	1508	-50902	SLU 29	12670	4223	39564	2.5	8.4	-411	-51316	SLU 30	12670	4223	39621	2.5	30.84	Si
140	2X/2Y ø6/23.9	1508	-52281	SLU 29	12670	4223	39753	2.5	8.4	-411	-52695	SLU 30	12670	4223	39810	2.5	30.84	Si
110	2X/2Y ø6/23.9	1508	-52478	SLU 29	12670	4223	39780	2.5	8.4	-411	-52893	SLU 30	12670	4223	39837	2.5	30.84	Si
80	2X/2Y ø6/23.9	1508	-52675	SLU 29	12670	4223	39807	2.5	8.4	-411	-53090	SLU 30	12670	4223	39864	2.5	30.84	Si
50	2X/2Y ø6/23.9	1508	-52873	SLU 29	12670	4223	39834	2.5	8.4	-411	-53287	SLU 30	12670	4223	39891	2.5	30.84	Si
20	2X/2Y ø6/23.9	1508	-53073	SLU 29	12670	4223	39861	2.5	8.4	-411	-53487	SLU 30	12670	4223	39918	2.5	30.84	Si
170	2X/2Y ø6/23.9	1508	-52083	SLU 29	12670	4223	39726	2.5	8.4	-411	-52498	SLU 30	12670	4223	39783	2.5	30.84	Si
770	2X/2Y ø6/24.8	633	-20639	SLU 29	7849	3562	28103	2.5	12.39	-230	-20639	SLU 29	7849	3562	28103	2.5	34.08	Si
741	2X/2Y ø6/24.8	633	-20788	SLU 29	7868	3562	28123	2.5	11.82	-230	-20788	SLU 29	7868	3562	28123	2.5	34.16	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	23526	-33546	SLV 15	10807	4223	37188	2.5	0.46	-7028	-36187	SLV 9	11156	4223	37550	2.5	1.59	No
320	2X/2Y ø6/23.9	23526	-33695	SLV 15	10827	4223	37209	2.5	0.46	-7028	-36336	SLV 9	11176	4223	37570	2.5	1.59	No
290	2X/2Y ø6/23.9	23526	-33847	SLV 15	10847	4223	37229	2.5	0.46	-7028	-36488	SLV 9	11196	4223	37591	2.5	1.59	No
260	2X/2Y ø6/23.9	23526	-33999	SLV 15	10867	4223	37250	2.5	0.46	-7028	-36640	SLV 9	11216	4223	37612	2.5	1.6	No
230	2X/2Y ø6/23.9	23526	-34151	SLV 15	10887	4223	37271	2.5	0.46	-7028	-36792	SLV 9	11237	4223	37633	2.5	1.6	No

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
200	2X/2Y ø6/23.9	23526	-34303	SLV 15	10907	4223	37292	2.5	0.46	-7028	-36944	SLV 9	11257	4223	37653	2.5	1.6	No
170	2X/2Y ø6/23.9	23526	-34454	SLV 15	10927	4223	37313	2.5	0.46	-7028	-37095	SLV 9	11277	4223	37674	2.5	1.6	No
140	2X/2Y ø6/23.9	23526	-34606	SLV 15	10947	4223	37333	2.5	0.47	-7028	-37247	SLV 9	11297	4223	37695	2.5	1.61	No
110	2X/2Y ø6/23.9	23526	-34758	SLV 15	10967	4223	37354	2.5	0.47	-7028	-37399	SLV 9	11317	4223	37716	2.5	1.61	No
80	2X/2Y ø6/23.9	23526	-34910	SLV 15	10988	4223	37375	2.5	0.47	-7028	-37551	SLV 9	11337	4223	37737	2.5	1.61	No
50	2X/2Y ø6/23.9	23526	-35062	SLV 15	11008	4223	37396	2.5	0.47	-7028	-37703	SLV 9	11357	4223	37757	2.5	1.62	No
20	2X/2Y ø6/23.9	23526	-35216	SLV 15	11028	4223	37417	2.5	0.47	-7028	-37857	SLV 9	11377	4223	37778	2.5	1.62	No
-10	2X/2Y ø6/23.9	23526	-35363	SLV 15	11047	4223	37437	2.5	0.47	-7028	-38004	SLV 9	11397	4223	37799	2.5	1.62	No
770	2X/2Y ø6/24.8	11223	-15655	SLV 13	7200	3562	27432	2.5	0.64	-2263	-15451	SLV 9	7174	3562	27405	2.5	3.17	No
741	2X/2Y ø6/24.8	11223	-15769	SLV 13	7215	3562	27448	2.5	0.64	-2263	-15566	SLV 9	7189	3562	27420	2.5	3.18	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	8951	-35624	SLD 15	11082	4223	37473	2.5	1.24	-2661	-36552	SLD 9	11205	4223	37600	2.5	4.21	Si
320	2X/2Y ø6/23.9	8951	-35774	SLD 15	11102	4223	37493	2.5	1.24	-2661	-36701	SLD 9	11225	4223	37620	2.5	4.22	Si
290	2X/2Y ø6/23.9	8951	-35926	SLD 15	11122	4223	37514	2.5	1.24	-2661	-36853	SLD 9	11245	4223	37641	2.5	4.23	Si
260	2X/2Y ø6/23.9	8951	-36078	SLD 15	11142	4223	37535	2.5	1.24	-2661	-37005	SLD 9	11265	4223	37662	2.5	4.23	Si
230	2X/2Y ø6/23.9	8951	-36229	SLD 15	11162	4223	37556	2.5	1.25	-2661	-37157	SLD 9	11285	4223	37683	2.5	4.24	Si
200	2X/2Y ø6/23.9	8951	-36382	SLD 15	11182	4223	37576	2.5	1.25	-2661	-37309	SLD 9	11305	4223	37703	2.5	4.25	Si
170	2X/2Y ø6/23.9	8951	-36533	SLD 15	11202	4223	37597	2.5	1.25	-2661	-37460	SLD 9	11325	4223	37724	2.5	4.26	Si
140	2X/2Y ø6/23.9	8951	-36685	SLD 15	11222	4223	37618	2.5	1.25	-2661	-37612	SLD 9	11345	4223	37745	2.5	4.26	Si
110	2X/2Y ø6/23.9	8951	-36837	SLD 15	11243	4223	37639	2.5	1.26	-2661	-37764	SLD 9	11365	4223	37766	2.5	4.27	Si
80	2X/2Y ø6/23.9	8951	-36989	SLD 15	11263	4223	37660	2.5	1.26	-2661	-37916	SLD 9	11385	4223	37786	2.5	4.28	Si
50	2X/2Y ø6/23.9	8951	-37141	SLD 15	11283	4223	37680	2.5	1.26	-2661	-38068	SLD 9	11405	4223	37807	2.5	4.29	Si
20	2X/2Y ø6/23.9	8951	-37294	SLD 15	11303	4223	37701	2.5	1.26	-2661	-38222	SLD 9	11426	4223	37828	2.5	4.29	Si
-10	2X/2Y ø6/23.9	8951	-37442	SLD 15	11323	4223	37722	2.5	1.26	-2661	-38369	SLD 9	11445	4223	37849	2.5	4.3	Si
770	2X/2Y ø6/24.8	4240	-15321	SLD 13	7157	3562	27387	2.5	1.69	-904	-15250	SLD 9	7148	3562	27378	2.5	7.91	Si
741	2X/2Y ø6/24.8	4240	-15435	SLD 13	7172	3562	27403	2.5	1.69	-904	-15364	SLD 9	7163	3562	27393	2.5	7.92	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.444	120	0.482	0.168	0.462	SLV 15	No
320	0.445	120	0.482	0.168	0.462	SLV 15	No
290	0.446	121	0.484	0.169	0.464	SLV 15	No
260	0.447	121	0.484	0.169	0.464	SLV 15	No
230	0.448	122	0.485	0.17	0.466	SLV 15	No
200	0.448	122	0.485	0.17	0.466	SLV 15	No
170	0.449	122	0.485	0.17	0.466	SLV 15	No
140	0.45	123	0.487	0.17	0.468	SLV 15	No
110	0.451	124	0.488	0.171	0.47	SLV 15	No
80	0.452	124	0.488	0.171	0.47	SLV 15	No
50	0.453	125	0.49	0.172	0.471	SLV 15	No
20	0.454	125	0.49	0.172	0.471	SLV 15	No
-10	0.455	126	0.492	0.172	0.473	SLV 15	No
770	0.624	245	0.646	0.233	0.64	SLV 13	No
741	0.625	245	0.646	0.233	0.64	SLV 13	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.266	133	1.265	0.177	1.255	SLD 15	Si
320	1.268	133	1.265	0.177	1.255	SLD 15	Si
290	1.27	134	1.269	0.178	1.26	SLD 15	Si
260	1.273	134	1.269	0.178	1.26	SLD 15	Si
230	1.275	135	1.273	0.178	1.265	SLD 15	Si
200	1.277	135	1.273	0.178	1.265	SLD 15	Si
170	1.281	136	1.276	0.179	1.27	SLD 15	Si
140	1.281	136	1.276	0.179	1.27	SLD 15	Si
110	1.285	138	1.284	0.18	1.275	SLD 15	Si
80	1.287	138	1.284	0.18	1.275	SLD 15	Si
50	1.289	138	1.284	0.18	1.275	SLD 15	Si
20	1.293	139	1.288	0.181	1.279	SLD 15	Si
-10	1.295	140	1.292	0.181	1.284	SLD 15	Si
770	1.777	275	1.704	0.245	1.736	SLD 13	Si
741	1.781	277	1.709	0.245	1.739	SLD 13	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 62B

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	2685	70568	-57555	10574	277857	SLU 30	3.937	Si
20	18.1	1.8	0	1,2,3,4	-9122	55782	-57363	-36036	220371	SLU 30	3.951	Si
50	18.1	1.8	0	1,2,3,4	-21445	40349	-57163	-85018	159958	SLU 30	3.964	Si
80	18.1	0.9	0	2,3,4	-33612	25112	-56966	-133714	99899	SLU 30	3.978	Si
110	18.1	0.9	0	2,3,4	-45779	9875	-56769	-182749	39421	SLU 30	3.992	Si
140	18.1	0.9	0	2,3,4	-57946	-5362	-56571	-232126	-21478	SLU 30	4.006	Si
170	18.1	0.9	0	2,3,4	-70113	-20598	-56374	-281848	-82804	SLU 30	4.02	Si
200	18.1	0.9	0	2,3,4	-82254	-35802	-56177	-331813	-144427	SLU 30	4.034	Si
230	18.1	0.9	0	2,3,4	-94447	-51072	-55979	-382346	-206753	SLU 30	4.048	Si
260	18.1	0.9	0	2,3,4	-106613	-66309	-55781	-433129	-269386	SLU 30	4.063	Si
290	18.1	0.9	0	2,3,4	-118780	-81545	-55584	-484272	-332464	SLU 30	4.077	Si
320	18.1	0.9	0	2,3,4	-130947	-96782	-55386	-535780	-395991	SLU 30	4.092	Si
350	18.1	0.9	0	2,3,4	-142911	-111765	-55192	-586788	-458903	SLU 30	4.106	Si
420	18.1	2.3	0	2,3,4,5	68933	239423	-20076	360663	1252676	SLU 30	5.232	Si
449	18.1	2.3	0	2,3,4,5	64033	204943	-19927	374428	1198393	SLU 30	5.847	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	38423	3619265	-34684	8783	827334	SLV 1	0.229				No
20	18.1	1.8	0	1,2,3,4	-28461	3107691	-34537	-7829	854838	SLV 1	0.275				No
350	18.1	0.9	0	2,3,4	-783058	-2689146	-32867	-252762	-868024	SLV 1	0.323				No
50	18.1	1.8	0	1,2,3,4	-97776	2573726	-34383	-34109	897837	SLV 1	0.349				No
420	18.1	2.3	0	2,3,4,5	-40648	1715972	-12014	-15672	661602	SLV 3	0.386				No
320	18.1	0.9	0	2,3,4	-715558	-2170770	-33016	-304027	-922319	SLV 1	0.425				No
449	18.1	2.3	0	2,3,4,5	-37782	1464314	-11899	-17391	674012	SLV 3	0.46				No
80	18.1	0.9	0	2,3,4	-166413	2046565	-34231	-78938	970786	SLV 1	0.474				No
770	18.1	1.1	0	5	-5738	-1347882	-10618	-2859	-671626	SLV 3	0.498				No
478	18.1	2.3	0	2,3,4,5	-34865	1208268	-11783	-19991	692802	SLV 3	0.573				No
290	18.1	0.9	0	2,3,4	-646914	-1643610	-33168	-397685	-1010394	SLV 1	0.615				No
741	18.1	1.1	0	5	-8608	-1096227	-10733	-5447	-693639	SLV 3	0.633				No
110	18.1	0.9	0	2,3,4	-235054	1519405	-34079	-172744	1116627	SLV 1	0.735				No
508	18.1	1.1	0	5	-31948	952224	-11666	-24286	723867	SLV 3	0.76				No
712	18.1	1.1	0	5	-11527	-840184	-10849	-10055	-732890	SLV 3	0.872				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	18112	1626088	-38541	12966	1164114	SLD 1	0.716	No
420	18.1	2.3	0	2,3,4,5	11823	850403	-13612	10797	776558	SLD 3	0.913	No
20	18.1	1.8	0	1,2,3,4	-16368	1394328	-38393	-15264	1300277	SLD 1	0.933	No
350	18.1	0.9	0	2,3,4	-405626	-1231835	-36723	-410287	-1245988	SLD 1	1.011	Si
449	18.1	2.3	0	2,3,4,5	10973	725885	-13497	12353	817142	SLD 3	1.126	Si
770	18.1	1.1	0	5	1476	-665564	-12216	1803	-813406	SLD 3	1.222	Si
50	18.1	1.8	0	1,2,3,4	-52139	1152424	-38240	-67407	1489897	SLD 1	1.293	Si
320	18.1	0.9	0	2,3,4	-370808	-996993	-36873	-507256	-1363861	SLD 1	1.368	Si
478	18.1	2.3	0	2,3,4,5	10108	599195	-13381	14907	883657	SLD 3	1.475	Si
741	18.1	1.1	0	5	2324	-541046	-12331	3837	-893075	SLD 3	1.651	Si
80	18.1	0.9	0	2,3,4	-87544	913602	-38088	-163057	1701650	SLD 1	1.863	Si
290	18.1	0.9	0	2,3,4	-335400	-758171	-37025	-644126	-1456047	SLD 1	1.92	Si
508	18.1	1.1	0	5	9243	472507	-13264	19703	1007232	SLD 3	2.132	Si
260	18.1	0.9	0	2,3,4	-644818	-230081	-39746	-1615699	-576505	SLD 5	2.506	Si
712	18.1	1.1	0	5	3189	-414358	-12447	8093	-1051716	SLD 3	2.538	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.365	81	0.41	0.139	0.382	SLV 1	No
20	0.425	110	0.465	0.161	0.444	SLV 1	No
350	0.446	121	0.484	0.169	0.464	SLV 1	No
50	0.511	160	0.542	0.192	0.529	SLV 1	No
420	0.407	100	0.447	0.154	0.424	SLV 3	No
320	0.55	186	0.577	0.206	0.567	SLV 1	No
449	0.491	147	0.524	0.185	0.509	SLV 3	No
80	0.635	254	0.655	0.236	0.65	SLV 1	No
770	0.527	171	0.557	0.198	0.545	SLV 3	No
478	0.611	234	0.634	0.228	0.627	SLV 3	No
290	0.716	330	0.73	0.265	0.727	SLV 1	No
741	0.668	284	0.686	0.248	0.682	SLV 3	No
110	0.834	460	0.836	0.305	0.839	SLV 1	No
508	0.793	412	0.799	0.291	0.8	SLV 3	No
712	0.893	541	0.893	0.326	0.896	SLV 3	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.825	57	0.894	0.116	0.825	SLD 1	No
420	0.92	70	0.972	0.13	0.919	SLD 3	No
20	0.961	76	1.005	0.135	0.955	SLD 1	Si
350	1.008	84	1.048	0.142	1.004	SLD 1	Si
449	1.109	102	1.134	0.156	1.104	SLD 3	Si
770	1.193	118	1.204	0.167	1.183	SLD 3	Si
50	1.154	110	1.17	0.162	1.145	SLD 1	Si
320	1.242	128	1.245	0.174	1.23	SLD 1	Si
478	1.383	161	1.368	0.193	1.368	SLD 3	Si
741	1.51	193	1.473	0.21	1.488	SLD 3	Si
80	1.436	173	1.409	0.2	1.415	SLD 1	Si
290	1.617	223	1.563	0.224	1.587	SLD 1	Si
508	1.793	281	1.719	0.247	1.751	SLD 3	Si
260	2.096	395	1.976	0.286	2.027	SLD 5	Si
712	2.017	362	1.907	0.276	1.953	SLD 3	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-1199	-18042	SLU 29	7511	3562	27754	2.5	6.26	-180	-17786	SLU 26	7478	3562	27719	2.5	41.43	Si
741	2X/2Y ø6/24.8	-1199	-18191	SLU 29	7531	3562	27774	2.5	6.28	-180	-17935	SLU 26	7497	3562	27739	2.5	41.54	Si
712	2X/2Y ø6/24.8	-1199	-18343	SLU 29	7550	3562	27794	2.5	6.3	-180	-18087	SLU 26	7517	3562	27760	2.5	41.65	Si
683	2X/2Y ø6/24.8	-1199	-18495	SLU 29	7570	3562	27815	2.5	6.31	-180	-18239	SLU 26	7537	3562	27780	2.5	41.76	Si
653	2X/2Y ø6/24.8	-1199	-18646	SLU 29	7590	3562	27835	2.5	6.33	-180	-18390	SLU 26	7556	3562	27801	2.5	41.87	Si
624	2X/2Y ø6/24.8	-1199	-18798	SLU 29	7609	3562	27855	2.5	6.35	-180	-18542	SLU 26	7576	3562	27821	2.5	41.98	Si
595	2X/2Y ø6/24.8	-1199	-18950	SLU 29	7629	3562	27876	2.5	6.36	-180	-18694	SLU 26	7596	3562	27841	2.5	42.09	Si
566	2X/2Y ø6/24.8	-1199	-19101	SLU 29	7649	3562	27896	2.5	6.38	-180	-18845	SLU 26	7616	3562	27862	2.5	42.2	Si
537	2X/2Y ø6/24.8	-1199	-19253	SLU 29	7669	3562	27917	2.5	6.4	-180	-18997	SLU 26	7635	3562	27882	2.5	42.31	Si
508	2X/2Y ø6/24.8	-1199	-19405	SLU 29	7688	3562	27937	2.5	6.41	-180	-19149	SLU 26	7655	3562	27903	2.5	41.81	Si
478	2X/2Y ø6/24.8	-1199	-19556	SLU 29	7708	3562	27958	2.5	6.43	-180	-19300	SLU 26	7675	3562	27923	2.5	42.52	Si
449	2X/2Y ø6/24.8	-1199	-19708	SLU 29	7728	3562	27978	2.5	6.44	-180	-19452	SLU 26	7695	3562	27944	2.5	42.63	Si
420	2X/2Y ø6/24.8	-1199	-19857	SLU 29	7747	3562	27998	2.5	6.46	-180	-19601	SLU 26	7714	3562	27964	2.5	42.74	Si
350	2X/2Y ø6/23.9	-508	-55192	SLU 30	12670	4223	40152	2.5	24.95	-413	-54782	SLU 36	12670	4223	40095	2.5	30.7	Si
290	2X/2Y ø6/23.9	-508	-55584	SLU 30	12670	4223	40205	2.5	24.95	-413	-55174	SLU 36	12670	4223	40149	2.5	30.7	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-22054	-31068	SLV 1	10479	4223	36849	2.5	0.48	-6718	-38383	SLV 5	11447	4223	37850	2.5	1.7	No
320	2X/2Y ø6/23.9	-22054	-31217	SLV 1	10499	4223	36869	2.5	0.48	-6718	-38532	SLV 5	11467	4223	37871	2.5	1.71	No
290	2X/2Y ø6/23.9	-22054	-31369	SLV 1	10519	4223	36890	2.5	0.48	-6718	-38684	SLV 5	11487	4223	37892	2.5	1.71	No
260	2X/2Y ø6/23.9	-22054	-31521	SLV 1	10539	4223	36911	2.5	0.48	-6718	-38836	SLV 5	11507	4223	37912	2.5	1.71	No
230	2X/2Y ø6/23.9	-22054	-31673	SLV 1	10559	4223	36932	2.5	0.48	-6718	-38988	SLV 5	11527	4223	37933	2.5	1.72	No
200	2X/2Y ø6/23.9	-22054	-31825	SLV 1	10579	4223	36953	2.5	0.48	-6718	-39140	SLV 5	11547	4223	37954	2.5	1.72	No
170	2X/2Y ø6/23.9	-22054	-31976	SLV 1	10599	4223	36973	2.5	0.48	-6718	-39291	SLV 5	11567	4223	37975	2.5	1.72	No
140	2X/2Y ø6/23.9	-22054	-32128	SLV 1	10619	4223	36994	2.5	0.48	-6718	-39443	SLV 5	11587	4223	37996	2.5	1.72	No
110	2X/2Y ø6/23.9	-22054	-32280	SLV 1	10640	4223	37015	2.5	0.48	-6718	-39595	SLV 5	11608	4223	38016	2.5	1.73	No
80	2X/2Y ø6/23.9	-22054	-32432	SLV 1	10660	4223	37036	2.5	0.48	-6718	-39747	SLV 5	11628	4223	38037	2.5	1.73	No
50	2X/2Y ø6/23.9	-22054	-32584	SLV 1	10680	4223	37057	2.5	0.48	-6718	-39899	SLV 5	11648	4223	38058	2.5	1.73	No
20	2X/2Y ø6/23.9	-22054	-32738	SLV 1	10700	4223	37078	2.5	0.49	-6718	-40053	SLV 5	11668	4223	38079	2.5	1.74	No
-10	2X/2Y ø6/23.9	-22054	-32885	SLV 1	10720	4223	37098	2.5	0.49	-6718	-40200	SLV 5	11688	4223	38099	2.5	1.74	No
770	2X/2Y ø6/24.8	-10846	-9873	SLV 3	6448	3562	26654	2.5	0.59	-1903	-13598	SLV 5	6933	3562	27155	2.5	3.64	No
741	2X/2Y ø6/24.8	-10846	-9987	SLV 3	6463	3562	26669	2.5	0.6	-1903	-13713	SLV 5	6948	3562	27171	2.5	3.65	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-7961	-36723	SLD 1	11228	4223	37623	2.5	1.41	-2555	-39293	SLD 5	11567	4223	37975	2.5	4.53	Si
320	2X/2Y ø6/23.9	-7961	-36873	SLD 1	11247	4223	37644	2.5	1.41	-2555	-39442	SLD 5	11587	4223	37995	2.5	4.54	Si
290	2X/2Y ø6/23.9	-7961	-37025	SLD 1	11267	4223	37664	2.5	1.42	-2555	-39594	SLD 5	11607	4223	38016	2.5	4.54	Si
260	2X/2Y ø6/23.9	-7961	-37176	SLD 1	11287	4223	37685	2.5	1.42	-2555	-39746	SLD 5	11627	4223	38037	2.5	4.55	Si
230	2X/2Y ø6/23.9	-7961	-37328	SLD 1	11308	4223	37706	2.5	1.42	-2555	-39898	SLD 5	11648	4223	38058	2.5	4.56	Si
200	2X/2Y ø6/23.9	-7961	-37481	SLD 1	11328	4223	37727	2.5	1.42	-2555	-40050	SLD 5	11668	4223	38079	2.5	4.57	Si
170	2X/2Y ø6/23.9	-7961	-37632	SLD 1	11348	4223	37748	2.5	1.43	-2555	-40201	SLD 5	11688	4223	38099	2.5	4.58	Si
140	2X/2Y ø6/23.9	-7961	-37784	SLD 1	11368	4223	37768	2.5	1.43	-2555	-40353	SLD 5	11708	4223	38120	2.5	4.58	Si
110	2X/2Y ø6/23.9	-7961	-37936	SLD 1	11388	4223	37789	2.5	1.43	-2555	-40505	SLD 5	11728	4223	38141	2.5	4.59	Si
80	2X/2Y ø6/23.9	-7961	-38088	SLD 1	11408	4223	37810	2.5	1.43	-2555	-40657	SLD 5	11748	4223	38162	2.5	4.6	Si
50	2X/2Y ø6/23.9	-7961	-38240	SLD 1	11428	4223	37831	2.5	1.44	-2555	-40809	SLD 5	11768	4223	38183	2.5	4.61	Si
20	2X/2Y ø6/23.9	-7961	-38393	SLD 1	11449	4223	37852	2.5	1.44	-2555	-40963	SLD 5	11788	4223	38204	2.5	4.61	Si
-10	2X/2Y ø6/23.9	-7961	-38541	SLD 1	11468	4223	37872	2.5	1.44	-2555	-41110	SLD 5	11808	4223	38224	2.5	4.62	Si
770	2X/2Y ø6/24.8	-4344	-12216	SLD 3	6753	3562	26969	2.5	1.55	-754	-13525	SLD 5	6923	3562	27146	2.5	9.18	Si
741	2X/2Y ø6/24.8	-4344	-12331	SLD 3	6768	3562	26985	2.5	1.56	-754	-13639	SLD 5	6938	3562	27161	2.5	9.2	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.494	149	0.527	0.186	0.512	SLV 1	No
320	0.495	149	0.527	0.186	0.512	SLV 1	No
290	0.496	150	0.528	0.187	0.514	SLV 1	No
260	0.497	151	0.529	0.187	0.515	SLV 1	No
230	0.497	151	0.529	0.187	0.515	SLV 1	No
200	0.498	151	0.529	0.187	0.515	SLV 1	No
170	0.499	152	0.531	0.188	0.517	SLV 1	No
140	0.5	153	0.532	0.189	0.518	SLV 1	No
110	0.501	153	0.532	0.189	0.518	SLV 1	No
80	0.502	154	0.534	0.189	0.52	SLV 1	No
50	0.503	154	0.534	0.189	0.52	SLV 1	No
20	0.504	155	0.535	0.19	0.521	SLV 1	No
-10	0.505	156	0.537	0.19	0.523	SLV 1	No
770	0.58	209	0.605	0.217	0.597	SLV 3	No
741	0.582	210	0.606	0.218	0.599	SLV 3	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.406	166	1.385	0.196	1.39	SLD 1	Si
320	1.41	167	1.388	0.197	1.394	SLD 1	Si
290	1.412	167	1.388	0.197	1.394	SLD 1	Si
260	1.414	167	1.388	0.197	1.394	SLD 1	Si
230	1.418	168	1.392	0.197	1.398	SLD 1	Si
200	1.418	168	1.392	0.197	1.398	SLD 1	Si
170	1.422	169	1.395	0.198	1.402	SLD 1	Si
140	1.424	171	1.402	0.199	1.407	SLD 1	Si
110	1.426	171	1.402	0.199	1.407	SLD 1	Si
80	1.43	172	1.405	0.199	1.411	SLD 1	Si
50	1.432	172	1.405	0.199	1.411	SLD 1	Si
20	1.434	173	1.409	0.2	1.415	SLD 1	Si
-10	1.438	174	1.412	0.2	1.419	SLD 1	Si
770	1.654	235	1.597	0.229	1.621	SLD 3	Si
741	1.66	237	1.603	0.23	1.628	SLD 3	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 63

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-343	711686	-45007	-924	1919856	SLU 30	2.698	Si
20	18.1	1.8	0	1,2,3,4	155	625977	-44815	465	1872661	SLU 30	2.992	Si
50	18.1	1.8	0	1,2,3,4	675	536515	-44615	2225	1768473	SLU 30	3.296	Si
80	18.1	0.9	0	2,3,4	1188	448194	-44418	4315	1628036	SLU 30	3.632	Si
110	18.1	0.9	0	2,3,4	1701	359873	-44220	6843	1447987	SLU 30	4.024	Si
350	18.1	0.9	0	2,3,4	5790	-345227	-42644	24194	-1442464	SLU 30	4.178	Si
140	18.1	0.9	0	2,3,4	2214	271551	-44023	9898	1214285	SLU 30	4.472	Si
320	18.1	0.9	0	2,3,4	6243	-255433	-43083	28860	-1180866	SLU 36	4.623	Si
170	18.1	0.9	0	2,3,4	2726	183230	-43826	13565	911781	SLU 30	4.976	Si
290	18.1	0.9	0	2,3,4	5611	-168669	-43281	28671	-861799	SLU 36	5.109	Si
420	18.1	2.3	0	2,3,4,5	-30464	270710	-18243	-156709	1392546	SLU 30	5.144	Si
200	18.1	0.9	0	2,3,4	3715	91809	-43873	19190	474220	SLU 36	5.165	Si
230	18.1	0.9	0	2,3,4	4348	4859	-43675	22562	25211	SLU 36	5.189	Si
260	18.1	0.9	0	2,3,4	4980	-81905	-43478	25956	-426908	SLU 36	5.212	Si
449	18.1	2.3	0	2,3,4,5	-28361	230631	-18094	-166398	1353131	SLU 30	5.867	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	40354	3371241	-17669	9075	758167	SLV 1	0.225				No
20	18.1	1.8	0	1,2,3,4	25498	2916476	-17522	6728	769578	SLV 1	0.264				No
50	18.1	1.8	0	1,2,3,4	12139	2441810	-17368	3911	786626	SLV 1	0.322				No
350	18.1	0.9	0	2,3,4	-150795	-2236822	-15852	-52927	-785094	SLV 1	0.351				No
80	18.1	0.9	0	2,3,4	-4585	1973196	-17216	-1889	812851	SLV 1	0.412				No
320	18.1	0.9	0	2,3,4	-135220	-1776019	-16001	-62139	-816152	SLV 1	0.46				No
420	18.1	2.3	0	2,3,4,5	48050	1257144	-11110	26063	681906	SLV 3	0.542				No
110	18.1	0.9	0	2,3,4	-25599	1504593	-17064	-14613	858903	SLV 1	0.571				No
770	18.1	1.1	0	5	5671	-1076367	-9714	3608	-684681	SLV 3	0.636				No
449	18.1	2.3	0	2,3,4,5	44591	1065606	-10996	29267	699403	SLV 3	0.656				No
290	18.1	0.9	0	2,3,4	-119388	-1307419	-16153	-80030	-876407	SLV 1	0.67				No
741	18.1	1.1	0	5	9248	-884856	-9829	7417	-709669	SLV 3	0.802				No
478	18.1	2.3	0	2,3,4,5	41072	870759	-10879	34283	726828	SLV 3	0.835				No
140	18.1	0.9	0	2,3,4	-40740	1036018	-16912	-37860	962768	SLV 1	0.929				No
712	18.1	1.1	0	5	12827	-690060	-9946	14003	-753365	SLV 3	1.092				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	17526	1773766	-26269	9183	929358	SLD 1	0.524	No
20	18.1	1.8	0	1,2,3,4	11243	1538496	-26121	7157	979390	SLD 1	0.637	No
50	18.1	1.8	0	1,2,3,4	5612	1292930	-25967	4589	1057271	SLD 1	0.818	No
350	18.1	0.9	0	2,3,4	-63405	-1127510	-24451	-61874	-1100281	SLD 1	0.976	No
80	18.1	0.9	0	2,3,4	-1444	1050495	-25815	-1641	1194100	SLD 1	1.137	Si
420	18.1	2.3	0	2,3,4,5	9448	661111	-12514	11757	822712	SLD 3	1.244	Si
320	18.1	0.9	0	2,3,4	-56812	-889116	-24600	-82794	-1295743	SLD 1	1.457	Si
770	18.1	1.1	0	5	560	-559664	-11118	840	-838960	SLD 3	1.499	Si
449	18.1	2.3	0	2,3,4,5	8728	560895	-12400	13684	879408	SLD 3	1.568	Si
110	18.1	0.9	0	2,3,4	-10426	808065	-25664	-18683	1448102	SLD 1	1.792	Si
741	18.1	1.1	0	5	1332	-459460	-11233	2688	-927074	SLD 3	2.018	Si
478	18.1	2.3	0	2,3,4,5	7995	458946	-12283	17031	977655	SLD 3	2.13	Si
290	18.1	0.9	0	2,3,4	-50110	-646687	-24752	-126238	-1629133	SLD 1	2.519	Si
712	18.1	1.1	0	5	2092	-357532	-11350	6389	-1092109	SLD 3	3.055	Si
508	18.1	1.1	0	5	-72453	344718	-11721	-225062	1070802	SLD 1	3.106	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.24	36	0.294	0.091	0.25	SLV 1	No
20	0.296	54	0.347	0.113	0.31	SLV 1	No
50	0.375	85	0.418	0.142	0.391	SLV 1	No
350	0.435	114	0.472	0.164	0.451	SLV 1	No
80	0.486	144	0.519	0.183	0.504	SLV 1	No
320	0.563	196	0.589	0.211	0.581	SLV 1	No
420	0.548	185	0.575	0.206	0.565	SLV 3	No
110	0.657	274	0.676	0.244	0.671	SLV 1	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
770	0.647	265	0.667	0.241	0.662	SLV 3	No
449	0.67	286	0.688	0.249	0.684	SLV 3	No
290	0.767	383	0.776	0.282	0.776	SLV 1	No
741	0.816	439	0.82	0.299	0.823	SLV 3	No
478	0.849	478	0.849	0.31	0.853	SLV 3	No
140	0.952	632	0.952	0.347	0.954	SLV 1	No
712	1.078	855	1.078	0.391	1.075	SLV 3	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.543	24	0.627	0.074	0.524	SLD 1	No
20	0.67	37	0.748	0.093	0.659	SLD 1	No
50	0.848	60	0.913	0.12	0.849	SLD 1	No
350	0.982	79	1.022	0.138	0.977	SLD 1	Si
80	1.1	99	1.121	0.154	1.092	SLD 1	Si
420	1.238	128	1.245	0.174	1.23	SLD 3	Si
320	1.273	134	1.269	0.178	1.26	SLD 1	Si
770	1.465	181	1.435	0.204	1.444	SLD 3	Si
449	1.518	194	1.476	0.211	1.492	SLD 3	Si
110	1.484	186	1.451	0.207	1.464	SLD 1	Si
741	1.848	299	1.763	0.254	1.799	SLD 3	Si
478	1.922	326	1.827	0.264	1.867	SLD 3	Si
290	1.732	260	1.665	0.239	1.693	SLD 1	Si
712	1.841	558	2.277	0.33	2.341	SLD 3	Si
508	2.547	617	2.373	0.344	1.837	SLD 3	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-2944	-42644	SLU 30	12011	4223	38434	2.5	4.08	32	-38758	SLU 22	11497	4223	37902	2.5	357.14	Si
320	2X/2Y ø6/23.9	-2944	-42838	SLU 30	12037	4223	38460	2.5	4.09	32	-38952	SLU 22	11522	4223	37928	2.5	357.89	Si
290	2X/2Y ø6/23.9	-2944	-43036	SLU 30	12063	4223	38487	2.5	4.1	32	-39150	SLU 22	11549	4223	37955	2.5	358.66	Si
260	2X/2Y ø6/23.9	-2944	-43233	SLU 30	12089	4223	38514	2.5	4.11	32	-39347	SLU 22	11575	4223	37982	2.5	359.42	Si
230	2X/2Y ø6/23.9	-2944	-43431	SLU 30	12115	4223	38541	2.5	4.12	32	-39545	SLU 22	11601	4223	38009	2.5	360.19	Si
200	2X/2Y ø6/23.9	-2944	-43629	SLU 30	12141	4223	38569	2.5	4.12	32	-39742	SLU 22	11627	4223	38037	2.5	360.95	Si
170	2X/2Y ø6/23.9	-2944	-43826	SLU 30	12167	4223	38596	2.5	4.13	32	-39939	SLU 22	11653	4223	38064	2.5	361.71	Si
140	2X/2Y ø6/23.9	-2944	-44023	SLU 30	12193	4223	38623	2.5	4.14	32	-40137	SLU 22	11679	4223	38091	2.5	361.88	Si
110	2X/2Y ø6/23.9	-2944	-44220	SLU 30	12220	4223	38650	2.5	4.15	32	-40334	SLU 22	11705	4223	38118	2.5	363.24	Si
80	2X/2Y ø6/23.9	-2944	-44418	SLU 30	12246	4223	38677	2.5	4.16	32	-40532	SLU 22	11731	4223	38145	2.5	364	Si
50	2X/2Y ø6/23.9	-2944	-44615	SLU 30	12272	4223	38704	2.5	4.17	32	-40729	SLU 22	11758	4223	38172	2.5	364.77	Si
20	2X/2Y ø6/23.9	-2944	-44815	SLU 30	12298	4223	38731	2.5	4.18	32	-40929	SLU 22	11784	4223	38199	2.5	365.54	Si
-10	2X/2Y ø6/23.9	-2944	-45007	SLU 30	12324	4223	38757	2.5	4.19	32	-41121	SLU 22	11809	4223	38225	2.5	366.28	Si
770	2X/2Y ø6/24.8	-1398	-16186	SLU 29	7270	3562	27504	2.5	5.2	76	-17132	SLU 36	7393	3562	27631	2.5	97.06	Si
741	2X/2Y ø6/24.8	-1398	-16335	SLU 29	7289	3562	27524	2.5	5.21	76	-17282	SLU 36	7412	3562	27651	2.5	97.31	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-19137	-11842	SLV 1	7935	4223	34217	2.5	0.41	-1625	-23828	SLV 5	9521	4223	35858	2.5	5.86	No
320	2X/2Y ø6/23.9	-19137	-11991	SLV 1	7955	4223	34237	2.5	0.42	-1625	-23978	SLV 5	9541	4223	35878	2.5	5.87	No
290	2X/2Y ø6/23.9	-19137	-12143	SLV 1	7975	4223	34258	2.5	0.42	-1625	-24130	SLV 5	9561	4223	35899	2.5	5.88	No
260	2X/2Y ø6/23.9	-19137	-12295	SLV 1	7995	4223	34279	2.5	0.42	-1625	-24282	SLV 5	9581	4223	35920	2.5	5.9	No
230	2X/2Y ø6/23.9	-19137	-12447	SLV 1	8015	4223	34300	2.5	0.42	-1625	-24433	SLV 5	9601	4223	35941	2.5	5.91	No
200	2X/2Y ø6/23.9	-19137	-12599	SLV 1	8035	4223	34321	2.5	0.42	-1625	-24586	SLV 5	9621	4223	35962	2.5	5.92	No
170	2X/2Y ø6/23.9	-19137	-12751	SLV 1	8055	4223	34341	2.5	0.42	-1625	-24737	SLV 5	9641	4223	35982	2.5	5.93	No
140	2X/2Y ø6/23.9	-19137	-12902	SLV 1	8075	4223	34362	2.5	0.42	-1625	-24889	SLV 5	9661	4223	36003	2.5	5.95	No
110	2X/2Y ø6/23.9	-19137	-13054	SLV 1	8095	4223	34383	2.5	0.42	-1625	-25041	SLV 5	9682	4223	36024	2.5	5.96	No
80	2X/2Y ø6/23.9	-19137	-13206	SLV 1	8115	4223	34404	2.5	0.42	-1625	-25193	SLV 5	9702	4223	36045	2.5	5.97	No
50	2X/2Y ø6/23.9	-19137	-13358	SLV 1	8135	4223	34425	2.5	0.43	-1625	-25345	SLV 5	9722	4223	36066	2.5	5.98	No
20	2X/2Y ø6/23.9	-19137	-13512	SLV 1	8156	4223	34446	2.5	0.43	-1625	-25499	SLV 5	9742	4223	36087	2.5	5.99	No
-10	2X/2Y ø6/23.9	-19137	-13659	SLV 1	8175	4223	34466	2.5	0.43	-1625	-25646	SLV 5	9762	4223	36107	2.5	6.01	No
770	2X/2Y ø6/24.8	-8169	-9063	SLV 3	6343	3562	26545	2.5	0.78	1284	-8968	SLV 5	6330	3562	26532	2.5	4.93	No
741	2X/2Y ø6/24.8	-8169	-9177	SLV 3	6358	3562	26560	2.5	0.78	1284	-9083	SLV 5	6345	3562	26548	2.5	4.94	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-8081	-24451	SLD 1	9603	4223	35943	2.5	1.19	-559	-28662	SLD 5	10161	4223	36520	2.5	18.19	Si
320	2X/2Y ø6/23.9	-8081	-24600	SLD 1	9623	4223	35964	2.5	1.19	-559	-28811	SLD 5	10180	4223	36540	2.5	18.22	Si
290	2X/2Y ø6/23.9	-8081	-24752	SLD 1	9643	4223	35984	2.5	1.19	-559	-28963	SLD 5	10201	4223	36561	2.5	18.26	Si
260	2X/2Y ø6/23.9	-8081	-24904	SLD 1	9663	4223	36005	2.5	1.2	-559	-29115	SLD 5	10221	4223	36582	2.5	18.29	Si
230	2X/2Y ø6/23.9	-8081	-25056	SLD 1	9684	4223	36026	2.5	1.2	-559	-29267	SLD 5	10241	4223	36602	2.5	18.33	Si
200	2X/2Y ø6/23.9	-8081	-25208	SLD 1	9704	4223	36047	2.5	1.2	-559	-29419	SLD 5	10261	4223	36623	2.5	18.37	Si
170	2X/2Y ø6/23.9	-8081	-25360	SLD 1	9724	4223	36068	2.5	1.2	-559	-29571	SLD 5	10281	4223	36644	2.5	18.4	Si
140	2X/2Y ø6/23.9	-8081	-25512	SLD 1	9744	4223	36088	2.5	1.21	-559	-29722	SLD 5	10301	4223	36665	2.5	18.44	Si
110	2X/2Y ø6/23.9	-8081	-25664	SLD 1	9764	4223	36109	2.5	1.21	-559	-29874	SLD 5	10321	4223	36686	2.5	18.48	Si
80	2X/2Y ø6/23.9	-8081	-25815	SLD 1	9784	4223	36130	2.5	1.21	-559	-30026	SLD 5	10341	4223	36706	2.5	18.51	Si
50	2X/2Y ø6/23.9	-8081	-25967	SLD 1	9804	4223	36151	2.5	1.21	-559	-30178	SLD 5	10361	4223	36727	2.5	18.55	Si
20	2X/2Y ø6/23.9	-8081	-26121	SLD 1	9824	4223	36172	2.5	1.22	-559	-30332	SLD 5	10382	4223	36748	2.5	18.58	Si
-10	2X/2Y ø6/23.9	-8081	-26269	SLD 1	9844	4223	36192	2.5	1.22	-559	-30479	SLD 5	10401	4223	36768	2.5	18.62	Si
770	2X/2Y ø6/24.8	-3497	-11118	SLD 3	6610	3562	26822	2.5	1.89	483	-11081	SLD 5	6605	3562	26817	2.5	13.67	Si
741	2X/2Y ø6/24.8	-3497	-11233	SLD 3	6625	3562	26837	2.5	1.89	483	-11196	SLD 5	6620	3562	26832	2.5	13.71	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.429	111	0.467	0.162	0.445	SLV 1	No
320	0.43	112	0.468	0.163	0.447	SLV 1	No
290	0.431	112	0.468	0.163	0.447	SLV 1	No
260	0.432	113	0.47	0.163	0.449	SLV 1	No
230	0.433	113	0.47	0.163	0.449	SLV 1	No
200	0.434	114	0.472	0.164	0.451	SLV 1	No
170	0.435	114	0.472	0.164	0.451	SLV 1	No
140	0.436	115	0.474	0.165	0.453	SLV 1	No
110	0.437	116	0.475	0.166	0.455	SLV 1	No
80	0.438	116	0.475	0.166	0.455	SLV 1	No
50	0.439	117	0.477	0.166	0.457	SLV 1	No
20	0.44	118	0.479	0.167	0.459	SLV 1	No
-10	0.441	118	0.479	0.167	0.459	SLV 1	No
770	0.76	376	0.77	0.28	0.769	SLV 3	No
741	0.762	378	0.771	0.281	0.771	SLV 3	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.221	123	1.225	0.171	1.209	SLD 1	Si
320	1.223	124	1.229	0.171	1.214	SLD 1	Si
290	1.227	124	1.229	0.171	1.214	SLD 1	Si
260	1.23	125	1.233	0.172	1.219	SLD 1	Si
230	1.232	126	1.237	0.173	1.225	SLD 1	Si
200	1.234	126	1.237	0.173	1.225	SLD 1	Si
170	1.238	128	1.245	0.174	1.23	SLD 1	Si
140	1.242	128	1.245	0.174	1.23	SLD 1	Si
110	1.244	129	1.249	0.174	1.235	SLD 1	Si
80	1.246	129	1.249	0.174	1.235	SLD 1	Si
50	1.25	130	1.253	0.175	1.24	SLD 1	Si
20	1.254	131	1.257	0.176	1.245	SLD 1	Si
-10	1.256	131	1.257	0.176	1.245	SLD 1	Si
770	2.166	424	2.034	0.295	2.091	SLD 3	Si
741	2.172	426	2.038	0.296	2.096	SLD 3	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 64

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.6	-17.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	-17.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3,4,5	235403	835156	-37217	445781	1581528	SLU 30	1.894	Si
420	18.1	2.3	0	3,4,5,6	166974	509896	-18842	344746	1052767	SLU 30	2.065	Si
-80	18.1	0.9	0	2	-141240	-756704	-64471	-317056	-1698654	SLU 30	2.245	Si
770	18.1	1.1	0	6	-136245	-472526	-17027	-306185	-1061916	SLU 30	2.247	Si
20	18.1	1.8	0	2,3,4,5	200551	727211	-37026	457237	1657967	SLU 30	2.28	Si
-110	18.1	0.9	0	2	-120861	-674493	-64665	-290439	-1620863	SLU 30	1.803	Si
-140	18.1	0.9	0	2	-100136	-590890	-64863	-257489	-1519401	SLU 30	2.571	Si
449	18.1	2.3	0	3,4,5,6	142068	429201	-18693	372825	1126340	SLU 30	2.624	Si
-170	18.1	0.9	0	2	-79412	-507286	-65060	-218650	-1396744	SLU 30	2.753	Si
50	18.1	1.8	0	2,3,4,5	164174	614541	-36826	457564	1712764	SLU 30	2.787	Si
-500	18.1	1.8	0	1,2	148212	410960	-67229	424107	1175961	SLU 30	2.861	Si
-200	18.1	0.9	0	2	-58353	-422334	-65261	-172126	-1245771	SLU 30	2.95	Si
741	18.1	1.1	0	6	-111338	-391830	-17176	-330438	-1162902	SLU 30	2.968	Si
-470	18.1	1.8	0	1,2	127833	328750	-67034	392765	1010083	SLU 30	3.072	Si
-230	18.1	0.9	0	2	-37963	-340079	-65455	-119596	-1071363	SLU 30	3.15	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	2,3,4,5	3915924	147377	-23261	768073	28907	SLV 9	0.196				No
20	18.1	1.8	0	2,3,4,5	3354795	131180	-23113	782529	30599	SLV 9	0.233				No
350	18.1	0.9	0	3,4,5	-3003580	-52300	-21443	-786817	-13700	SLV 9	0.262				No
50	18.1	1.8	0	2,3,4,5	2769108	114274	-22959	804883	33215	SLV 9	0.291				No
320	18.1	0.9	0	3,4,5	-2434992	-35885	-21593	-815001	-12011	SLV 9	0.335				No
420	18.1	2.3	0	3,4,5,6	1765148	-82492	-11991	658906	-30793	SLV 9	0.373				No
80	18.1	0.9	0	3,4,5	2190883	97582	-22808	841201	37467	SLV 9	0.384				No
449	18.1	2.3	0	3,4,5,6	1503858	-73464	-11877	671009	-32779	SLV 9	0.446				No
290	18.1	0.9	0	3,4,5	-1856769	-19188	-21744	-866040	-8950	SLV 9	0.466				No
770	18.1	1.1	0	6	-1415987	28472	-10595	-666942	13411	SLV 9	0.471				No
478	18.1	2.3	0	3,4,5,6	1238013	-64296	-11760	689390	-35803	SLV 9	0.557				No

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
110	18.1	0.9	0	3,4,5	1612662	80887	-22656	911800	45734	SLV 9	0.565				No
741	18.1	1.1	0	6	-1154700	19477	-10710	-687386	11595	SLV 9	0.595				No
508	18.1	1.1	0	6	972171	-55160	-11643	719935	-40849	SLV 9	0.741				No
260	18.1	0.9	0	3,4,5	-1278551	-2482	-21896	-983018	-1908	SLV 9	0.769				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3,4,5	1819244	392898	-25318	904293	195298	SLD 9	0.497	No
20	18.1	1.8	0	2,3,4,5	1558128	343143	-25170	952615	209792	SLD 9	0.611	No
350	18.1	0.9	0	3,4,5	-1400679	-220621	-23500	-969280	-152671	SLD 9	0.692	No
50	18.1	1.8	0	2,3,4,5	1285584	291211	-25016	1029625	233231	SLD 9	0.801	No
420	18.1	2.3	0	3,4,5,6	844065	165144	-12956	764629	149602	SLD 9	0.906	No
320	18.1	0.9	0	3,4,5	-1136092	-170203	-23650	-1073233	-160786	SLD 9	0.945	No
449	18.1	2.3	0	3,4,5,6	719045	137304	-12841	802694	153276	SLD 9	1.116	Si
770	18.1	1.1	0	6	172705	-730611	-13853	193125	-816994	SLD 3	1.118	Si
80	18.1	0.9	0	3,4,5	961352	604026	-29322	1086700	682783	SLD 5	1.13	Si
478	18.1	2.3	0	3,4,5,6	591845	108969	-12725	861912	158694	SLD 9	1.456	Si
290	18.1	0.9	0	3,4,5	-867021	-118930	-23801	-1265987	-173656	SLD 9	1.46	Si
741	18.1	1.1	0	6	140250	-602140	-13968	205672	-883021	SLD 3	1.466	Si
110	18.1	0.9	0	3,4,5	707087	462677	-29170	1193896	781216	SLD 5	1.688	Si
-80	18.1	0.9	0	2	-287210	-766434	-35840	-565913	-1510166	SLD 13	1.97	Si
508	18.1	1.1	0	6	464647	80621	-12608	962295	166969	SLD 9	2.071	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.228	32	0.28	0.086	0.235	SLV 5	No
20	0.285	50	0.337	0.108	0.298	SLV 5	No
350	0.334	68	0.382	0.127	0.349	SLV 9	No
50	0.369	82	0.412	0.14	0.384	SLV 5	No
320	0.425	109	0.463	0.161	0.442	SLV 9	No
420	0.405	99	0.445	0.153	0.422	SLV 9	No
80	0.485	143	0.518	0.183	0.502	SLV 9	No
449	0.486	144	0.519	0.183	0.504	SLV 9	No
290	0.568	200	0.594	0.213	0.586	SLV 9	No
770	0.505	156	0.537	0.19	0.523	SLV 9	No
478	0.602	226	0.625	0.225	0.618	SLV 9	No
110	0.669	285	0.687	0.248	0.683	SLV 9	No
741	0.634	253	0.654	0.236	0.649	SLV 9	No
508	0.778	396	0.786	0.286	0.787	SLV 9	No
260	0.836	463	0.838	0.306	0.842	SLV 9	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.516	22	0.605	0.07	0.498	SLD 5	No
20	0.645	35	0.732	0.09	0.638	SLD 5	No
350	0.756	48	0.833	0.107	0.755	SLD 9	No
50	0.834	58	0.9	0.118	0.833	SLD 5	No
420	0.917	70	0.972	0.13	0.919	SLD 9	No
320	0.961	76	1.005	0.135	0.955	SLD 9	Si
449	1.098	99	1.121	0.154	1.092	SLD 9	Si
770	1.141	107	1.157	0.16	1.133	SLD 9	Si
80	1.096	99	1.121	0.154	1.092	SLD 9	Si
478	1.359	155	1.347	0.19	1.346	SLD 9	Si
290	1.285	138	1.284	0.18	1.275	SLD 9	Si
741	1.434	173	1.409	0.2	1.415	SLD 9	Si
110	1.512	193	1.473	0.21	1.488	SLD 9	Si
-80	2.096	395	1.976	0.286	2.027	SLD 15	Si
508	1.762	270	1.691	0.243	1.721	SLD 9	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-2815	-17027	SLU 30	7379	3526	27617	2.5	2.62	-873	-16808	SLU 29	7351	3526	27588	2.5	8.42	Si
741	2X/2Y ø6/25	-2815	-17176	SLU 30	7398	3526	27637	2.5	2.63	-873	-16957	SLU 29	7370	3526	27608	2.5	8.44	Si
712	2X/2Y ø6/25	-2815	-17328	SLU 30	7418	3526	27658	2.5	2.64	-873	-17109	SLU 29	7390	3526	27628	2.5	8.47	Si
683	2X/2Y ø6/25	-2815	-17479	SLU 30	7438	3526	27678	2.5	2.64	-873	-17261	SLU 29	7409	3526	27649	2.5	8.49	Si
653	2X/2Y ø6/25	-2815	-17631	SLU 30	7458	3526	27698	2.5	2.65	-873	-17412	SLU 29	7429	3526	27669	2.5	8.51	Si
624	2X/2Y ø6/25	-2815	-17783	SLU 30	7477	3526	27719	2.5	2.66	-873	-17564	SLU 29	7449	3526	27689	2.5	8.53	Si
595	2X/2Y ø6/25	-2815	-17934	SLU 30	7497	3526	27739	2.5	2.66	-873	-17716	SLU 29	7469	3526	27710	2.5	8.56	Si
566	2X/2Y ø6/25	-2815	-18086	SLU 30	7517	3526	27760	2.5	2.67	-873	-17867	SLU 29	7488	3526	27730	2.5	8.58	Si
537	2X/2Y ø6/25	-2815	-18238	SLU 30	7537	3526	27780	2.5	2.68	-873	-18019	SLU 29	7508	3526	27751	2.5	8.6	Si
508	2X/2Y ø6/25	-2815	-18389	SLU 30	7556	3526	27800	2.5	2.68	-873	-18171	SLU 29	7528	3526	27771	2.5	8.62	Si
478	2X/2Y ø6/25	-2815	-18541	SLU 30	7576	3526	27821	2.5	2.69	-873	-18322	SLU 29	7548	3526	27791	2.5	8.65	Si
449	2X/2Y ø6/25	-2815	-18693	SLU 30	7596	3526	27841	2.5	2.7	-873	-18474	SLU 29	7567	3526	27812	2.5	8.67	Si
420	2X/2Y ø6/25	-2815	-18842	SLU 30	7615	3526	27861	2.5	2.71	-873	-18623	SLU 29	7587	3526	27832	2.5	8.69	Si
350	2X/2Y ø6/24	-3708	-34855	SLU 30	10980	4203	37367	2.5	2.96	-1200	-34608	SLU 29	10948	4203	37334	2.5	9.12	Si
320	2X/2Y ø6/24	-3708	-35049	SLU 30	11006	4203	37394	2.5	2.97	-1200	-34802	SLU 29	10973	4203	37360	2.5	9.14	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	12131	-3467	SLV 15	6827	4203	33070	2.5	0.56	-24081	-20484	SLV 9	9078	4203	35400	2.5	0.38	No
320	2X/2Y ø6/24	12131	-3616	SLV 15	6846	4203	33091	2.5	0.56	-24081	-20633	SLV 9	9098	4203	35421	2.5	0.38	No
290	2X/2Y ø6/24	12131	-3768	SLV 15	6866	4203	33112	2.5	0.57	-24081	-20785	SLV 9	9118	4203	35441	2.5	0.38	No
260	2X/2Y ø6/24	12131	-3920	SLV 15	6886	4203	33133	2.5	0.57	-24081	-20937	SLV 9	9138	4203	35462	2.5	0.38	No
230	2X/2Y ø6/24	12131	-4072	SLV 15	6907	4203	33153	2.5	0.57	-24081	-21089	SLV 9	9159	4203	35483	2.5	0.38	No
200	2X/2Y ø6/24	12131	-4224	SLV 15	6927	4203	33174	2.5	0.57	-24081	-21241	SLV 9	9179	4203	35504	2.5	0.38	No
170	2X/2Y ø6/24	12131	-4375	SLV 15	6947	4203	33195	2.5	0.57	-24081	-21393	SLV 9	9199	4203	35524	2.5	0.38	No
140	2X/2Y ø6/24	12131	-4527	SLV 15	6967	4203	33216	2.5	0.57	-24081	-21544	SLV 9	9219	4203	35545	2.5	0.38	No
110	2X/2Y ø6/24	12131	-4679	SLV 15	6987	4203	33236	2.5	0.58	-24081	-21696	SLV 9	9239	4203	35566	2.5	0.38	No
80	2X/2Y ø6/24	12131	-4831	SLV 15	7007	4203	33257	2.5	0.58	-24081	-21848	SLV 9	9259	4203	35587	2.5	0.38	No
50	2X/2Y ø6/24	12131	-4983	SLV 15	7027	4203	33278	2.5	0.58	-24081	-22000	SLV 9	9279	4203	35608	2.5	0.39	No
20	2X/2Y ø6/24	12131	-5137	SLV 15	7048	4203	33299	2.5	0.58	-24081	-22154	SLV 9	9299	4203	35629	2.5	0.39	No
-10	2X/2Y ø6/24	12131	-5284	SLV 15	7067	4203	33319	2.5	0.58	-24081	-22301	SLV 9	9319	4203	35649	2.5	0.39	No
770	2X/2Y ø6/25	-9093	-16697	SLV 3	7336	3526	27573	2.5	0.81	-11331	-10147	SLV 9	6484	3526	26691	2.5	0.57	No
741	2X/2Y ø6/25	-9093	-16812	SLV 3	7351	3526	27588	2.5	0.81	-11331	-10261	SLV 9	6499	3526	26706	2.5	0.57	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-7805	-32741	SLD 1	10701	4203	37078	2.5	1.37	-8969	-23500	SLD 9	9478	4203	35813	2.5	1.06	Si
320	2X/2Y ø6/24	-7805	-32891	SLD 1	10720	4203	37099	2.5	1.37	-8969	-23650	SLD 9	9497	4203	35833	2.5	1.06	Si
290	2X/2Y ø6/24	-7805	-33043	SLD 1	10740	4203	37119	2.5	1.38	-8969	-23801	SLD 9	9517	4203	35854	2.5	1.06	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
260	2X/2Y ø6/24	-7805	-33194	SLD 1	10761	4203	37140	2.5	1.38	-8969	-23953	SLD 9	9538	4203	35875	2.5	1.06	Si
230	2X/2Y ø6/24	-7805	-33346	SLD 1	10781	4203	37161	2.5	1.38	-8969	-24105	SLD 9	9558	4203	35896	2.5	1.07	Si
200	2X/2Y ø6/24	-7805	-33498	SLD 1	10801	4203	37182	2.5	1.38	-8969	-24257	SLD 9	9578	4203	35917	2.5	1.07	Si
170	2X/2Y ø6/24	-7805	-33650	SLD 1	10821	4203	37202	2.5	1.39	-8969	-24409	SLD 9	9598	4203	35937	2.5	1.07	Si
140	2X/2Y ø6/24	-7805	-33802	SLD 1	10841	4203	37223	2.5	1.39	-8969	-24561	SLD 9	9618	4203	35958	2.5	1.07	Si
110	2X/2Y ø6/24	-7805	-33954	SLD 1	10861	4203	37244	2.5	1.39	-8969	-24713	SLD 9	9638	4203	35979	2.5	1.07	Si
80	2X/2Y ø6/24	-7805	-34106	SLD 1	10881	4203	37265	2.5	1.39	-8969	-24865	SLD 9	9658	4203	36000	2.5	1.08	Si
50	2X/2Y ø6/24	-7805	-34258	SLD 1	10901	4203	37286	2.5	1.4	-8969	-25016	SLD 9	9678	4203	36021	2.5	1.08	Si
20	2X/2Y ø6/24	-7805	-34411	SLD 1	10922	4203	37307	2.5	1.4	-8969	-25170	SLD 9	9699	4203	36042	2.5	1.08	Si
-10	2X/2Y ø6/24	-7805	-34559	SLD 1	10941	4203	37327	2.5	1.4	-8969	-25318	SLD 9	9718	4203	36062	2.5	1.08	Si
770	2X/2Y ø6/25	-4483	-13853	SLD 3	6966	3526	27190	2.5	1.55	-4361	-11560	SLD 9	6668	3526	26881	2.5	1.53	Si
741	2X/2Y ø6/25	-4483	-13968	SLD 3	6981	3526	27205	2.5	1.56	-4361	-11675	SLD 9	6683	3526	26897	2.5	1.53	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.373	84	0.416	0.141	0.389	SLV 9	No
320	0.373	84	0.416	0.141	0.389	SLV 9	No
290	0.374	85	0.418	0.142	0.391	SLV 9	No
260	0.375	85	0.418	0.142	0.391	SLV 9	No
230	0.376	86	0.42	0.143	0.393	SLV 9	No
200	0.377	86	0.42	0.143	0.393	SLV 9	No
170	0.377	86	0.42	0.143	0.393	SLV 9	No
140	0.378	87	0.422	0.144	0.395	SLV 9	No
110	0.379	87	0.422	0.144	0.395	SLV 9	No
80	0.38	87	0.422	0.144	0.395	SLV 9	No
50	0.381	88	0.424	0.145	0.398	SLV 9	No
20	0.382	88	0.424	0.145	0.398	SLV 9	No
-10	0.383	89	0.426	0.146	0.4	SLV 9	No
770	0.561	194	0.587	0.21	0.578	SLV 9	No
741	0.562	195	0.588	0.211	0.579	SLV 9	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.061	93	1.092	0.149	1.055	SLD 9	Si
320	1.063	93	1.092	0.149	1.055	SLD 9	Si
290	1.066	94	1.097	0.15	1.061	SLD 9	Si
260	1.068	94	1.097	0.15	1.061	SLD 9	Si
230	1.07	95	1.102	0.151	1.067	SLD 9	Si
200	1.072	95	1.102	0.151	1.067	SLD 9	Si
170	1.074	95	1.102	0.151	1.067	SLD 9	Si
140	1.078	96	1.107	0.151	1.073	SLD 9	Si
110	1.08	96	1.107	0.151	1.073	SLD 9	Si
80	1.082	97	1.111	0.152	1.08	SLD 9	Si
50	1.084	97	1.111	0.152	1.08	SLD 9	Si
20	1.086	97	1.111	0.152	1.08	SLD 9	Si
-10	1.09	98	1.116	0.153	1.086	SLD 9	Si
770	1.596	218	1.549	0.221	1.569	SLD 9	Si
741	1.6	219	1.552	0.222	1.572	SLD 9	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 65

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-166986	877379	-22116	-175847	923936	SLU 29	1.053	Si
449	18.1	2.3	0	2,3,4,5	-142659	754008	-21967	-188101	994183	SLU 29	1.319	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
770	18.1	1.1	0	5	131191	-631204	-20876	219770	-1057390	SLU 30	1.675	Si
478	18.1	2.3	0	2,3,4,5	-117908	628484	-21816	-205092	1093204	SLU 29	1.739	Si
741	18.1	1.1	0	5	106507	-506871	-21025	249069	-1185333	SLU 30	2.339	Si
508	18.1	1.1	0	5	-93156	502961	-21664	-227030	1225758	SLU 29	1.837	Si
350	18.1	0.9	0	2,3,4	96705	-586143	-52091	277234	-1680360	SLU 30	2.867	Si
320	18.1	0.9	0	2,3,4	88690	-529443	-52285	268256	-1601384	SLU 30	3.025	Si
290	18.1	0.9	0	2,3,4	80539	-471782	-52482	257524	-1508524	SLU 30	3.198	Si
260	18.1	0.9	0	2,3,4	72388	-414120	-52680	244805	-1400482	SLU 30	3.382	Si
712	18.1	1.1	0	5	82627	-388542	-23826	281108	-1321865	SLU 36	3.402	Si
537	18.1	1.1	0	5	-69295	378641	-22087	-245665	1342367	SLU 30	3.545	Si
230	18.1	0.9	0	2,3,4	64238	-356459	-52877	229728	-1274776	SLU 30	3.576	Si
200	18.1	0.9	0	2,3,4	56069	-298673	-53075	212015	-1129372	SLU 30	3.781	Si
170	18.1	0.9	0	2,3,4	47936	-241136	-53272	191532	-963476	SLU 30	3.996	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	29920	2641135	-32108	9908	874592	SLV 1	0.331				No
420	18.1	2.3	0	2,3,4,5	-435020	2036640	-19445	-146756	687069	SLV 3	0.337				No
350	18.1	0.9	0	2,3,4	-607734	-2427903	-30291	-218950	-874708	SLV 1	0.36				No
449	18.1	2.3	0	2,3,4,5	-371024	1737455	-19331	-150864	706477	SLV 3	0.407				No
20	18.1	1.8	0	1,2,3,4	-10951	2230085	-31961	-4513	919147	SLV 1	0.412				No
770	18.1	1.1	0	5	344035	-1606183	-18049	151624	-707879	SLV 3	0.441				No
320	18.1	0.9	0	2,3,4	-554274	-2011394	-30440	-255171	-925987	SLV 1	0.46				No
478	18.1	2.3	0	2,3,4,5	-305912	1433060	-19214	-157242	736611	SLV 3	0.514				No
50	18.1	1.8	0	1,2,3,4	-65186	1801049	-31807	-35995	994513	SLV 1	0.552				No
741	18.1	1.1	0	5	280038	-1307009	-18164	159282	-743409	SLV 3	0.569				No
290	18.1	0.9	0	2,3,4	-499907	-1587836	-30592	-318132	-1010470	SLV 1	0.636				No
508	18.1	1.1	0	5	-240797	1128679	-19097	-168140	788115	SLV 3	0.698				No
712	18.1	1.1	0	5	214922	-1002634	-18281	173242	-808191	SLV 3	0.806				No
80	18.1	0.9	0	2,3,4	-119437	1377486	-31655	-98569	1136803	SLV 1	0.825				No
260	18.1	0.9	0	2,3,4	-1261001	-638084	-34188	-1099057	-556138	SLV 5	0.872				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-259345	1243966	-18272	-157357	754775	SLD 3	0.607	No
449	18.1	2.3	0	2,3,4,5	-221277	1062891	-18158	-164595	790619	SLD 3	0.744	No
770	18.1	1.1	0	5	204077	-960695	-16876	169495	-797899	SLD 3	0.831	No
350	18.1	0.9	0	2,3,4	-229181	-1301048	-33892	-213560	-1212367	SLD 1	0.932	No
478	18.1	2.3	0	2,3,4,5	-182546	878662	-18041	-175359	844069	SLD 3	0.961	No
741	18.1	1.1	0	5	166009	-779625	-16991	183815	-863249	SLD 3	1.107	Si
-10	18.1	1.8	0	1,2,3,4	12796	1213422	-35709	14402	1365743	SLD 1	1.126	Si
320	18.1	0.9	0	2,3,4	-208827	-1094439	-34041	-258010	-1352203	SLD 1	1.236	Si
508	18.1	1.1	0	5	-143814	694439	-17924	-192918	931551	SLD 3	1.341	Si
20	18.1	1.8	0	1,2,3,4	-2030	1009521	-35562	-3148	1565262	SLD 1	1.55	Si
712	18.1	1.1	0	5	127276	-595405	-17108	209316	-979191	SLD 3	1.645	Si
290	18.1	0.9	0	2,3,4	-188128	-884334	-34193	-326511	-1534831	SLD 1	1.736	Si
537	18.1	1.1	0	5	-105080	510229	-17808	-223894	1087148	SLD 3	2.131	Si
260	18.1	0.9	0	2,3,4	-528284	-441408	-35869	-1184845	-989996	SLD 5	2.243	Si
50	18.1	1.8	0	1,2,3,4	-22628	796699	-35408	-50876	1791263	SLD 1	2.248	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.475	137	0.509	0.179	0.492	SLV 1	No
420	0.164	17	0.216	0.061	0.168	SLV 3	No
350	0.417	105	0.456	0.158	0.434	SLV 1	No
449	0.267	44	0.319	0.101	0.278	SLV 3	No
20	0.568	200	0.594	0.213	0.586	SLV 1	No
770	0.333	68	0.382	0.127	0.349	SLV 3	No
320	0.526	170	0.556	0.198	0.544	SLV 1	No
478	0.416	105	0.456	0.158	0.434	SLV 3	No
50	0.702	315	0.716	0.26	0.714	SLV 1	No
741	0.507	157	0.538	0.191	0.524	SLV 3	No
290	0.697	312	0.713	0.258	0.71	SLV 1	No
508	0.652	269	0.671	0.242	0.666	SLV 3	No
712	0.791	410	0.797	0.291	0.799	SLV 3	No
80	0.901	554	0.902	0.329	0.905	SLV 1	No
260	0.906	561	0.907	0.331	0.909	SLV 5	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.371	11	0.455	0.049	0.346	SLD 3	No
449	0.602	30	0.687	0.084	0.595	SLD 3	No
770	0.754	48	0.833	0.107	0.755	SLD 3	No
350	0.942	74	0.995	0.133	0.941	SLD 1	No
478	0.941	74	0.995	0.133	0.941	SLD 3	No
741	1.146	109	1.166	0.161	1.139	SLD 3	Si
-10	1.072	95	1.102	0.151	1.067	SLD 1	Si
320	1.189	118	1.204	0.167	1.183	SLD 1	Si
508	1.473	183	1.442	0.205	1.452	SLD 3	Si
20	1.284	136	1.276	0.179	1.27	SLD 1	Si
712	1.789	279	1.714	0.246	1.745	SLD 3	Si
290	1.574	210	1.525	0.218	1.546	SLD 1	Si
537	1.836	555	2.272	0.33	2.335	SLD 3	Si
260	2.049	376	1.937	0.28	1.985	SLD 5	Si
50	1.588	215	1.54	0.22	1.561	SLD 1	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-4304	-20301	SLU 29	7805	3526	28058	2.5	1.81	861	-20876	SLU 30	7880	3526	28135	2.5	9.15	Si
741	2X/2Y ø6/25	-4304	-20451	SLU 29	7825	3526	28078	2.5	1.82	861	-21025	SLU 30	7899	3526	28155	2.5	9.17	Si
712	2X/2Y ø6/25	-4304	-20602	SLU 29	7844	3526	28098	2.5	1.82	861	-21177	SLU 30	7919	3526	28176	2.5	9.2	Si
683	2X/2Y ø6/25	-4304	-20754	SLU 29	7864	3526	28119	2.5	1.83	861	-21329	SLU 30	7939	3526	28196	2.5	9.22	Si
653	2X/2Y ø6/25	-4304	-20906	SLU 29	7884	3526	28139	2.5	1.83	861	-21480	SLU 30	7959	3526	28217	2.5	9.24	Si
624	2X/2Y ø6/25	-4304	-21057	SLU 29	7903	3526	28160	2.5	1.84	861	-21632	SLU 30	7978	3526	28237	2.5	9.27	Si
595	2X/2Y ø6/25	-4304	-21209	SLU 29	7923	3526	28180	2.5	1.84	861	-21784	SLU 30	7998	3526	28257	2.5	9.29	Si
566	2X/2Y ø6/25	-4304	-21361	SLU 29	7943	3526	28200	2.5	1.85	861	-21935	SLU 30	8018	3526	28278	2.5	9.31	Si
537	2X/2Y ø6/25	-4304	-21512	SLU 29	7963	3526	28221	2.5	1.85	861	-22087	SLU 30	8037	3526	28298	2.5	9.33	Si
508	2X/2Y ø6/25	-4304	-21664	SLU 29	7982	3526	28241	2.5	1.85	861	-22239	SLU 30	8057	3526	28319	2.5	9.36	Si
478	2X/2Y ø6/25	-4304	-21816	SLU 29	8002	3526	28262	2.5	1.86	861	-22390	SLU 30	8077	3526	28339	2.5	9.38	Si
449	2X/2Y ø6/25	-4304	-21967	SLU 29	8022	3526	28282	2.5	1.86	861	-22542	SLU 30	8097	3526	28359	2.5	9.4	Si
420	2X/2Y ø6/25	-4304	-22116	SLU 29	8041	3526	28302	2.5	1.87	861	-22691	SLU 30	8116	3526	28380	2.5	9.43	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-1932	-51567	SLU 29	12670	4203	39655	2.5	6.56	273	-52268	SLU 36	12670	4203	39751	2.5	46.38	Si
290	2X/2Y ø6/24	-1932	-51958	SLU 29	12670	4203	39709	2.5	6.56	273	-52660	SLU 36	12670	4203	39805	2.5	46.38	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-17438	-28611	SLV 1	10154	4203	36513	2.5	0.58	-6512	-32951	SLV 5	10728	4203	37107	2.5	1.65	No
320	2X/2Y ø6/24	-17438	-28761	SLV 1	10174	4203	36533	2.5	0.58	-6512	-33101	SLV 5	10748	4203	37127	2.5	1.65	No
290	2X/2Y ø6/24	-17438	-28913	SLV 1	10194	4203	36554	2.5	0.58	-6512	-33253	SLV 5	10768	4203	37148	2.5	1.65	No
260	2X/2Y ø6/24	-17438	-29065	SLV 1	10214	4203	36575	2.5	0.59	-6512	-33404	SLV 5	10788	4203	37169	2.5	1.66	No
230	2X/2Y ø6/24	-17438	-29216	SLV 1	10234	4203	36596	2.5	0.59	-6512	-33556	SLV 5	10808	4203	37190	2.5	1.66	No
200	2X/2Y ø6/24	-17438	-29369	SLV 1	10254	4203	36616	2.5	0.59	-6512	-33709	SLV 5	10829	4203	37211	2.5	1.66	No
170	2X/2Y ø6/24	-17438	-29520	SLV 1	10274	4203	36637	2.5	0.59	-6512	-33860	SLV 5	10849	4203	37231	2.5	1.67	No
140	2X/2Y ø6/24	-17438	-29672	SLV 1	10294	4203	36658	2.5	0.59	-6512	-34012	SLV 5	10869	4203	37252	2.5	1.67	No
110	2X/2Y ø6/24	-17438	-29824	SLV 1	10314	4203	36679	2.5	0.59	-6512	-34164	SLV 5	10889	4203	37273	2.5	1.67	No
80	2X/2Y ø6/24	-17438	-29976	SLV 1	10335	4203	36700	2.5	0.59	-6512	-34316	SLV 5	10909	4203	37294	2.5	1.68	No
50	2X/2Y ø6/24	-17438	-30128	SLV 1	10355	4203	36720	2.5	0.59	-6512	-34468	SLV 5	10929	4203	37314	2.5	1.68	No
20	2X/2Y ø6/24	-17438	-30282	SLV 1	10375	4203	36741	2.5	0.59	-6512	-34621	SLV 5	10949	4203	37335	2.5	1.68	No
-10	2X/2Y ø6/24	-17438	-30429	SLV 1	10395	4203	36762	2.5	0.6	-6512	-34769	SLV 5	10969	4203	37356	2.5	1.68	No
770	2X/2Y ø6/25	-12358	-18595	SLV 3	7583	3526	27828	2.5	0.61	11339	-15641	SLV 11	7199	3526	27431	2.5	0.63	No
741	2X/2Y ø6/25	-12358	-18710	SLV 3	7598	3526	27844	2.5	0.61	11339	-15756	SLV 11	7214	3526	27446	2.5	0.64	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-6317	-16876	SLD 3	7359	3526	27597	2.5	1.17	4377	-15843	SLD 11	7225	3526	27458	2.5	1.65	Si
741	2X/2Y ø6/25	-6317	-16991	SLD 3	7374	3526	27612	2.5	1.17	4377	-15957	SLD 11	7240	3526	27473	2.5	1.65	Si
712	2X/2Y ø6/25	-6317	-17108	SLD 3	7390	3526	27628	2.5	1.17	4377	-16074	SLD 11	7255	3526	27489	2.5	1.66	Si
683	2X/2Y ø6/25	-6317	-17224	SLD 3	7405	3526	27644	2.5	1.17	4377	-16191	SLD 11	7270	3526	27504	2.5	1.66	Si
653	2X/2Y ø6/25	-6317	-17341	SLD 3	7420	3526	27659	2.5	1.17	4377	-16307	SLD 11	7285	3526	27520	2.5	1.66	Si
624	2X/2Y ø6/25	-6317	-17458	SLD 3	7435	3526	27675	2.5	1.18	4377	-16424	SLD 11	7301	3526	27536	2.5	1.67	Si
595	2X/2Y ø6/25	-6317	-17574	SLD 3	7450	3526	27691	2.5	1.18	4377	-16541	SLD 11	7316	3526	27552	2.5	1.67	Si
566	2X/2Y ø6/25	-6317	-17691	SLD 3	7465	3526	27706	2.5	1.18	4377	-16657	SLD 11	7331	3526	27567	2.5	1.67	Si
537	2X/2Y ø6/25	-6317	-17808	SLD 3	7481	3526	27722	2.5	1.18	4377	-16774	SLD 11	7346	3526	27583	2.5	1.68	Si
508	2X/2Y ø6/25	-6317	-17924	SLD 3	7496	3526	27738	2.5	1.19	4377	-16891	SLD 11	7361	3526	27599	2.5	1.68	Si
478	2X/2Y ø6/25	-6317	-18041	SLD 3	7511	3526	27754	2.5	1.19	4377	-17007	SLD 11	7376	3526	27614	2.5	1.69	Si
449	2X/2Y ø6/25	-6317	-18158	SLD 3	7526	3526	27769	2.5	1.19	4377	-17124	SLD 11	7392	3526	27630	2.5	1.69	Si
420	2X/2Y ø6/25	-6317	-18272	SLD 3	7541	3526	27785	2.5	1.19	4377	-17239	SLD 11	7407	3526	27646	2.5	1.69	Si
350	2X/2Y ø6/24	-7004	-33892	SLD 1	10853	4203	37236	2.5	1.55	2559	-38083	SLD 11	11407	4203	37809	2.5	4.46	Si
320	2X/2Y ø6/24	-7004	-34041	SLD 1	10873	4203	37256	2.5	1.55	2559	-38232	SLD 11	11427	4203	37830	2.5	4.47	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.575	205	0.6	0.216	0.592	SLV 1	No
320	0.576	206	0.601	0.216	0.594	SLV 1	No
290	0.578	207	0.603	0.216	0.595	SLV 1	No
260	0.579	208	0.604	0.217	0.596	SLV 1	No
230	0.58	209	0.605	0.217	0.597	SLV 1	No
200	0.581	209	0.605	0.217	0.597	SLV 1	No
170	0.582	210	0.606	0.218	0.599	SLV 1	No
140	0.584	212	0.609	0.219	0.601	SLV 1	No
110	0.585	212	0.609	0.219	0.601	SLV 1	No
80	0.586	213	0.61	0.219	0.602	SLV 1	No
50	0.587	214	0.611	0.22	0.603	SLV 1	No
20	0.588	215	0.612	0.22	0.605	SLV 1	No
-10	0.59	216	0.613	0.22	0.606	SLV 1	No
770	0.467	132	0.501	0.176	0.484	SLV 3	No
741	0.469	133	0.503	0.177	0.486	SLV 3	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	1.332	148	1.321	0.186	1.318	SLD 3	Si
741	1.336	149	1.325	0.187	1.323	SLD 3	Si
712	1.34	150	1.329	0.187	1.327	SLD 3	Si
683	1.344	150	1.329	0.187	1.327	SLD 3	Si
653	1.352	153	1.34	0.189	1.337	SLD 3	Si
624	1.355	154	1.343	0.189	1.341	SLD 3	Si
595	1.359	155	1.347	0.19	1.346	SLD 3	Si
566	1.367	156	1.35	0.191	1.35	SLD 3	Si
537	1.371	157	1.354	0.191	1.355	SLD 3	Si
508	1.375	158	1.357	0.192	1.359	SLD 3	Si
478	1.379	159	1.361	0.192	1.364	SLD 3	Si
449	1.383	161	1.368	0.193	1.368	SLD 3	Si
420	1.391	162	1.371	0.194	1.372	SLD 3	Si
350	1.639	230	1.583	0.227	1.608	SLD 1	Si
320	1.641	232	1.589	0.227	1.611	SLD 1	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 66

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-2192	-955468	-20853	-2007	-874500	SLU 29	0.915	No
449	18.1	2.3	0	2,3,4,5	-9120	-825518	-20704	-10387	-940182	SLU 29	1.139	Si
478	18.1	2.3	0	2,3,4,5	-16168	-693301	-20553	-24266	-1040574	SLU 29	1.501	Si
770	18.1	1.1	0	5	-94039	668820	-20843	-147278	1047460	SLU 36	1.566	Si
508	18.1	1.1	0	5	-23216	-561085	-20401	-48996	-1184134	SLU 29	2.11	Si
741	18.1	1.1	0	5	-86409	536903	-20992	-190023	1180708	SLU 36	2.199	Si
537	18.1	1.1	0	5	-30264	-428869	-20249	-94964	-1345714	SLU 29	3.138	Si
712	18.1	1.1	0	5	-78646	402685	-21144	-255970	1310633	SLU 36	3.255	Si
-22	0	0.9	0	1	-5138	6619	-42283	-23147	29817	SLU 36	4.505	Si
-17	1.47	0.9	0	1	-4340	6017	-42247	-19868	27547	SLU 36	4.578	Si
683	18.1	1.1	0	5	-69551	280216	-21590	-320241	1290230	SLU 35	4.604	Si
566	18.1	1.1	0	5	-37312	-296652	-20098	-174054	-1383815	SLU 29	4.665	Si
14	17.38	1.8	0	1,2,3,4	28	2726	-42049	149	14597	SLU 36	5.356	Si
44	18.1	1.8	0	1,2,3,4	4468	-621	-41848	24196	-3361	SLU 36	5.415	Si
75	18.1	0.9	0	2,3,4	8958	-4005	-41644	48750	-21792	SLU 36	5.442	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	2,3,4,5	-42452	-1860398	-19826	-16062	-703867	SLV 13	0.378				No
449	18.1	2.3	0	2,3,4,5	-46062	-1595544	-19711	-20938	-725280	SLV 13	0.455				No
770	18.1	1.1	0	5	-91919	1367381	-18430	-49726	739718	SLV 13	0.541				No
478	18.1	2.3	0	2,3,4,5	-49717	-1326127	-19595	-28428	-758266	SLV 13	0.572				No
741	18.1	1.1	0	5	-90388	1102639	-18545	-64603	788090	SLV 13	0.715				No
508	18.1	1.1	0	5	-53347	-1056809	-19478	-41085	-813890	SLV 13	0.77				No
712	18.1	1.1	0	5	-91203	833434	-18661	-96463	881493	SLV 13	1.058				Si
537	18.1	1.1	0	5	81918	-783304	-20577	100291	-958984	SLV 15	1.224				Si
683	18.1	1.1	0	5	-83225	564605	-18778	-159745	1083723	SLV 13	1.919				Si
350	18.1	0.9	0	2,3,4	68168	-640888	-19792	147571	-1387412	SLV 3	2.165				Si
566	18.1	1.1	0	5	64543	-519152	-20460	150250	-1208549	SLV 15	2.328				Si
319	18.1	0.9	0	2,3,4	62257	-582536	-19944	159674	-1494068	SLV 3	2.565				Si
289	18.1	0.9	0	2,3,4	56248	-523308	-20099	173619	-1615285	SLV 3	3.087				Si
258	18.1	0.9	0	2,3,4	50238	-464207	-20254	187635	-1733756	SLV 3	3.735				Si
228	18.1	0.9	0	2,3,4	121664	338936	-39960	509970	1420686	SLV 15	4.192				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-18889	-1194280	-17696	-12007	-759139	SLD 13	0.636	No
449	18.1	2.3	0	2,3,4,5	-23444	-1025398	-17581	-18150	-793825	SLD 13	0.774	No
770	18.1	1.1	0	5	-76781	863237	-16300	-72991	820619	SLD 13	0.951	No
478	18.1	2.3	0	2,3,4,5	-28070	-853595	-17465	-27908	-848660	SLD 13	0.994	No
741	18.1	1.1	0	5	-73147	694405	-16415	-95375	905425	SLD 13	1.304	Si
508	18.1	1.1	0	5	-32686	-681836	-17348	-45331	-945614	SLD 13	1.387	Si
712	18.1	1.1	0	5	-70498	522696	-16531	-142688	1057932	SLD 13	2.024	Si
537	18.1	1.1	0	5	-37285	-501030	-17231	-84333	-1133258	SLD 13	2.262	Si
683	18.1	1.1	0	5	-63959	351154	-16648	-233173	1280183	SLD 13	3.646	Si
566	18.1	1.1	0	5	-41860	-331519	-17115	-171384	-1357319	SLD 13	4.094	Si
-22	0	0.9	0	1	-7756	45595	-35349	-41792	245695	SLD 15	5.389	Si
-17	1.47	0.9	0	1	-6190	41819	-35321	-33898	229001	SLD 15	5.476	Si
350	18.1	0.9	0	2,3,4	102204	223168	-33468	560628	1224161	SLD 15	5.485	Si
319	18.1	0.9	0	2,3,4	93308	202835	-33621	530053	1152244	SLD 15	5.681	Si
289	18.1	0.9	0	2,3,4	84263	182179	-33776	495341	1070940	SLD 15	5.878	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.144	13	0.194	0.053	0.146	SLV 13	No
449	0.263	43	0.316	0.1	0.275	SLV 13	No
770	0.406	100	0.447	0.154	0.424	SLV 13	No
478	0.438	116	0.475	0.166	0.455	SLV 13	No
741	0.648	266	0.668	0.241	0.663	SLV 13	No
508	0.713	327	0.727	0.264	0.724	SLV 13	No
712	1.064	829	1.064	0.386	1.062	SLV 13	Si
537	1.262	1282	1.273	0.454	1.248	SLV 13	Si
683	1.922	2474	1.666	0.573	1.575	SLV 13	Si
350	1.508	2062	1.546	0.538	1.477	SLV 3	Si
566	1.812	2474	1.666	0.573	1.575	SLV 15	Si
319	1.633	2474	1.666	0.573	1.575	SLV 3	Si
289	1.781	2474	1.666	0.573	1.575	SLV 3	Si
258	1.957	2474	1.666	0.573	1.575	SLV 3	Si
228	2.169	2474	1.666	0.573	1.575	SLV 3	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.324	8	0.399	0.043	0.307	SLD 13	No
449	0.594	29	0.677	0.082	0.584	SLD 13	No
770	0.918	70	0.972	0.13	0.919	SLD 13	No
478	0.99	82	1.037	0.14	0.99	SLD 13	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
741	1.465	181	1.435	0.204	1.444	SLD 13	Si
508	1.609	221	1.557	0.223	1.58	SLD 13	Si
712	1.806	538	2.243	0.326	2.308	SLD 13	Si
537	2.852	812	2.655	0.383	2.718	SLD 13	Si
683	4.343	2458	4.182	0.572	4.053	SLD 13	Si
566	5.457	2474	4.193	0.603	4.276	SLD 15	Si
-22	4.743	2474	4.193	0.603	4.276	SLD 1	Si
-17	5.306	2474	4.193	0.603	4.276	SLD 1	Si
350	3.408	1287	3.207	0.455	3.224	SLD 3	Si
319	3.689	1589	3.497	0.49	3.474	SLD 3	Si
289	4.025	2006	3.848	0.532	3.772	SLD 3	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	4577	-19411	SLU 30	7689	3562	27938	2.5	1.68	-269	-21138	SLU 35	7914	3562	28170	2.5	29.37	Si
741	2X/2Y ø6/24.8	4577	-19560	SLU 30	7709	3562	27958	2.5	1.68	-269	-21287	SLU 35	7933	3562	28190	2.5	29.44	Si
712	2X/2Y ø6/24.8	4577	-19712	SLU 30	7728	3562	27978	2.5	1.69	-269	-21438	SLU 35	7953	3562	28211	2.5	29.51	Si
683	2X/2Y ø6/24.8	4577	-19863	SLU 30	7748	3562	27999	2.5	1.69	-269	-21590	SLU 35	7973	3562	28231	2.5	29.59	Si
653	2X/2Y ø6/24.8	4577	-20015	SLU 30	7768	3562	28019	2.5	1.7	-269	-21742	SLU 35	7993	3562	28252	2.5	29.66	Si
624	2X/2Y ø6/24.8	4577	-20167	SLU 30	7788	3562	28040	2.5	1.7	-269	-21893	SLU 35	8012	3562	28272	2.5	29.73	Si
595	2X/2Y ø6/24.8	4577	-20318	SLU 30	7807	3562	28060	2.5	1.71	-269	-22045	SLU 35	8032	3562	28293	2.5	29.8	Si
566	2X/2Y ø6/24.8	4577	-20470	SLU 30	7827	3562	28081	2.5	1.71	-269	-22197	SLU 35	8052	3562	28313	2.5	29.88	Si
537	2X/2Y ø6/24.8	4577	-20622	SLU 30	7847	3562	28101	2.5	1.71	-269	-22348	SLU 35	8071	3562	28333	2.5	29.95	Si
508	2X/2Y ø6/24.8	4577	-20773	SLU 30	7867	3562	28121	2.5	1.72	-269	-22500	SLU 35	8091	3562	28354	2.5	30.02	Si
478	2X/2Y ø6/24.8	4577	-20925	SLU 30	7886	3562	28142	2.5	1.72	-269	-22652	SLU 35	8111	3562	28374	2.5	30.1	Si
449	2X/2Y ø6/24.8	4577	-21077	SLU 30	7906	3562	28162	2.5	1.73	-269	-22803	SLU 35	8131	3562	28395	2.5	30.17	Si
420	2X/2Y ø6/24.8	4577	-21226	SLU 30	7925	3562	28182	2.5	1.73	-269	-22952	SLU 35	8150	3562	28415	2.5	30.24	Si
350	2X/2Y ø6/23.9	-220	-36187	SLU 26	11156	4223	37550	2.5	50.75	152	-38002	SLU 35	11397	4223	37798	2.5	75.13	Si
319	2X/2Y ø6/23.9	-220	-36385	SLU 26	11183	4223	37577	2.5	50.87	152	-38200	SLU 35	11423	4223	37825	2.5	75.3	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	10805	-19423	SLV 13	7691	3562	27940	2.5	0.71	-1250	-18836	SLV 11	7614	3562	27861	2.5	6.09	No
741	2X/2Y ø6/24.8	10805	-19538	SLV 13	7706	3562	27955	2.5	0.71	-1250	-18951	SLV 11	7629	3562	27876	2.5	6.1	No
712	2X/2Y ø6/24.8	10805	-19655	SLV 13	7721	3562	27971	2.5	0.71	-1250	-19067	SLV 11	7645	3562	27892	2.5	6.11	No
683	2X/2Y ø6/24.8	10805	-19771	SLV 13	7736	3562	27986	2.5	0.72	-1250	-19184	SLV 11	7660	3562	27907	2.5	6.13	No
653	2X/2Y ø6/24.8	10805	-19888	SLV 13	7751	3562	28002	2.5	0.72	-1250	-19301	SLV 11	7675	3562	27923	2.5	6.14	No
624	2X/2Y ø6/24.8	10805	-20005	SLV 13	7766	3562	28018	2.5	0.72	-1250	-19417	SLV 11	7690	3562	27939	2.5	6.15	No
595	2X/2Y ø6/24.8	10805	-20121	SLV 13	7782	3562	28034	2.5	0.72	-1250	-19534	SLV 11	7705	3562	27955	2.5	6.16	No
566	2X/2Y ø6/24.8	10805	-20238	SLV 13	7797	3562	28049	2.5	0.72	-1250	-19651	SLV 11	7720	3562	27970	2.5	6.17	No
537	2X/2Y ø6/24.8	10805	-20355	SLV 13	7812	3562	28065	2.5	0.72	-1250	-19767	SLV 11	7736	3562	27986	2.5	6.19	No
508	2X/2Y ø6/24.8	10805	-20471	SLV 13	7827	3562	28081	2.5	0.72	-1250	-19884	SLV 11	7751	3562	28002	2.5	6.2	No
478	2X/2Y ø6/24.8	10805	-20588	SLV 13	7842	3562	28096	2.5	0.73	-1250	-20001	SLV 11	7766	3562	28017	2.5	6.21	No
449	2X/2Y ø6/24.8	10805	-20705	SLV 13	7858	3562	28112	2.5	0.73	-1250	-20117	SLV 11	7781	3562	28033	2.5	6.22	No
420	2X/2Y ø6/24.8	10805	-20819	SLV 13	7872	3562	28128	2.5	0.73	-1250	-20232	SLV 11	7796	3562	28048	2.5	6.23	No
350	2X/2Y ø6/23.9	-2439	-15527	SLV 1	8422	4223	34721	2.5	3.45	-1066	-21906	SLV 5	9267	4223	35595	2.5	8.69	Si
319	2X/2Y ø6/23.9	-2439	-15679	SLV 1	8443	4223	34742	2.5	3.46	-1066	-22058	SLV 5	9287	4223	35616	2.5	8.71	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	5893	-16300	SLD 13	7284	3562	27519	2.5	1.24	-558	-16094	SLD 11	7258	3562	27491	2.5	13	Si
741	2X/2Y ø6/24.8	5893	-16415	SLD 13	7299	3562	27535	2.5	1.24	-558	-16208	SLD 11	7273	3562	27507	2.5	13.02	Si
712	2X/2Y ø6/24.8	5893	-16531	SLD 13	7315	3562	27550	2.5	1.24	-558	-16325	SLD 11	7288	3562	27523	2.5	13.05	Si
683	2X/2Y ø6/24.8	5893	-16648	SLD 13	7330	3562	27566	2.5	1.24	-558	-16442	SLD 11	7303	3562	27538	2.5	13.08	Si
653	2X/2Y ø6/24.8	5893	-16765	SLD 13	7345	3562	27582	2.5	1.25	-558	-16558	SLD 11	7318	3562	27554	2.5	13.11	Si
624	2X/2Y ø6/24.8	5893	-16881	SLD 13	7360	3562	27597	2.5	1.25	-558	-16675	SLD 11	7333	3562	27570	2.5	13.13	Si
595	2X/2Y ø6/24.8	5893	-16998	SLD 13	7375	3562	27613	2.5	1.25	-558	-16792	SLD 11	7348	3562	27585	2.5	13.16	Si
566	2X/2Y ø6/24.8	5893	-17115	SLD 13	7390	3562	27629	2.5	1.25	-558	-16908	SLD 11	7364	3562	27601	2.5	13.19	Si
537	2X/2Y ø6/24.8	5893	-17231	SLD 13	7406	3562	27645	2.5	1.26	-558	-17025	SLD 11	7379	3562	27617	2.5	13.22	Si
508	2X/2Y ø6/24.8	5893	-17348	SLD 13	7421	3562	27660	2.5	1.26	-558	-17142	SLD 11	7394	3562	27633	2.5	13.24	Si
478	2X/2Y ø6/24.8	5893	-17465	SLD 13	7436	3562	27676	2.5	1.26	-558	-17258	SLD 11	7409	3562	27648	2.5	13.27	Si
449	2X/2Y ø6/24.8	5893	-17581	SLD 13	7451	3562	27692	2.5	1.26	-558	-17375	SLD 11	7424	3562	27664	2.5	13.3	Si
420	2X/2Y ø6/24.8	5893	-17696	SLD 13	7466	3562	27707	2.5	1.27	-558	-17490	SLD 11	7439	3562	27679	2.5	13.32	Si
350	2X/2Y ø6/23.9	-913	-24141	SLD 1	9562	4223	35901	2.5	10.47	514	-31228	SLD 11	10500	4223	36871	2.5	20.41	Si
319	2X/2Y ø6/23.9	-913	-24294	SLD 1	9583	4223	35922	2.5	10.5	514	-31380	SLD 11	10520	4223	36892	2.5	20.45	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.551	187	0.578	0.207	0.568	SLV 13	No
741	0.553	188	0.579	0.207	0.57	SLV 13	No
712	0.555	190	0.582	0.208	0.572	SLV 13	No
683	0.559	192	0.584	0.209	0.575	SLV 13	No
653	0.561	194	0.587	0.21	0.578	SLV 13	No
624	0.563	195	0.588	0.211	0.579	SLV 13	No
595	0.564	197	0.59	0.212	0.582	SLV 13	No
566	0.566	198	0.592	0.212	0.583	SLV 13	No
537	0.568	200	0.594	0.213	0.586	SLV 13	No
508	0.57	201	0.595	0.214	0.587	SLV 13	No
478	0.574	204	0.599	0.215	0.591	SLV 13	No
449	0.576	206	0.601	0.216	0.594	SLV 13	No
420	0.578	207	0.603	0.216	0.595	SLV 13	No
350	2.67	2474	1.666	0.573	1.575	SLV 1	Si
319	2.67	2474	1.666	0.573	1.575	SLV 1	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	1.57	209	1.522	0.218	1.542	SLD 13	Si
741	1.578	212	1.531	0.219	1.55	SLD 13	Si
712	1.586	214	1.537	0.22	1.557	SLD 13	Si
683	1.59	215	1.54	0.22	1.561	SLD 13	Si
653	1.594	216	1.543	0.221	1.565	SLD 13	Si
624	1.602	219	1.552	0.222	1.572	SLD 13	Si
595	1.609	221	1.557	0.223	1.58	SLD 13	Si
566	1.617	223	1.563	0.224	1.587	SLD 13	Si
537	1.621	225	1.569	0.224	1.591	SLD 13	Si
508	1.625	226	1.572	0.225	1.594	SLD 13	Si
478	1.633	228	1.578	0.226	1.601	SLD 13	Si
449	1.641	232	1.589	0.227	1.611	SLD 13	Si
420	1.648	234	1.594	0.228	1.618	SLD 13	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	7.604	2474	4.193	0.603	4.276	SLD 1	Si
319	7.604	2474	4.193	0.603	4.276	SLD 1	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 67

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.6	-17.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	-17.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3,4,5	14200	965087	-35256	23576	1602342	SLU 30	1.66	Si
420	18.1	2.3	0	3,4,5,6	-10334	576740	-17856	-19191	1071106	SLU 29	1.857	Si
20	18.1	1.8	0	2,3,4,5	12477	838430	-35065	25907	1740869	SLU 30	2.076	Si
770	18.1	1.1	0	6	13621	-513546	-16041	28536	-1075920	SLU 29	2.095	Si
-80	18.1	0.9	0	2	-48614	-797362	-61812	-110049	-1805004	SLU 30	2.264	Si
-110	18.1	0.9	0	2	-40235	-710827	-62006	-97412	-1720977	SLU 30	1.821	Si
449	18.1	2.3	0	3,4,5,6	-8366	487185	-17707	-20406	1188281	SLU 29	1.839	Si
-140	18.1	0.9	0	2	-31713	-622826	-62204	-82245	-1615265	SLU 30	2.593	Si
50	18.1	1.8	0	2,3,4,5	10679	706230	-34865	28205	1865286	SLU 30	2.641	Si
-170	18.1	0.9	0	2	-23191	-534825	-62401	-64527	-1488109	SLU 30	2.782	Si
741	18.1	1.1	0	6	11653	-423991	-16190	33629	-1223572	SLU 29	2.886	Si
-500	18.1	1.8	0	1,2	70408	431723	-64570	207147	1270177	SLU 30	2.942	Si
-200	18.1	0.9	0	2	-14532	-445404	-62602	-43465	-1332251	SLU 30	2.991	Si
-470	18.1	1.8	0	1,2	62028	345188	-64375	196282	1092318	SLU 30	3.164	Si
350	18.1	0.9	0	3,4,5	-7043	-596757	-32894	-22533	-1909096	SLU 30	3.199	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	2,3,4,5	3606787	282328	-22329	771156	60364	SLV 9	0.214				No
20	18.1	1.8	0	2,3,4,5	3090954	246991	-22182	786273	62829	SLV 9	0.254				No
350	18.1	0.9	0	3,4,5	-2754131	-153585	-20512	-790990	-44110	SLV 9	0.287				No
50	18.1	1.8	0	2,3,4,5	2552545	210111	-22028	809673	66648	SLV 9	0.317				No
320	18.1	0.9	0	3,4,5	-2231441	-117784	-20661	-820871	-43329	SLV 9	0.368				No
80	18.1	0.9	0	3,4,5	2020996	173705	-21876	847753	72864	SLV 9	0.419				No
420	18.1	2.3	0	3,4,5,6	-1517927	826339	-13741	-663955	361448	SLV 7	0.437				No
290	18.1	0.9	0	3,4,5	-1699892	-81385	-20813	-875355	-41909	SLV 9	0.515				No
449	18.1	2.3	0	3,4,5,6	-1293399	701766	-13626	-677482	367585	SLV 7	0.524				No
770	18.1	1.1	0	6	1215665	-693169	-12345	669731	-381879	SLV 7	0.551				No
110	18.1	0.9	0	3,4,5	1489448	137309	-21724	921986	84996	SLV 9	0.619				No
478	18.1	2.3	0	3,4,5,6	-1064956	575064	-13510	-697782	376794	SLV 7	0.655				No
741	18.1	1.1	0	6	991140	-568730	-12460	690635	-396296	SLV 7	0.697				No
-80	18.1	0.9	0	2	-290963	-1158742	-17343	-232250	-924921	SLV 15	0.798				No
260	18.1	0.9	0	3,4,5	1110753	108162	-17558	948844	92396	SLV 11	0.854				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3,4,5	-1594721	854549	-27167	-917616	491715	SLD 7	0.575	No
20	18.1	1.8	0	2,3,4,5	-1366315	741070	-27019	-960541	520984	SLD 7	0.703	No
350	18.1	0.9	0	3,4,5	-1217567	-304796	-22381	-1000157	-250371	SLD 9	0.821	No
50	18.1	1.8	0	2,3,4,5	-1127912	622623	-26865	-1022894	564652	SLD 7	0.907	No
420	18.1	2.3	0	3,4,5,6	-299885	833479	-14915	-282516	785207	SLD 3	0.942	No
770	18.1	1.1	0	6	243880	-719457	-13519	271409	-800667	SLD 3	1.113	Si
320	18.1	0.9	0	3,4,5	990395	-429727	-25499	1106546	-480124	SLD 7	1.117	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
449	18.1	2.3	0	3,4,5,6	-255225	705982	-14800	-298350	825271	SLD 3	1.169	Si
80	18.1	0.9	0	3,4,5	848560	638697	-28220	1047321	788301	SLD 5	1.234	Si
741	18.1	1.1	0	6	199221	-591983	-13633	289251	-859505	SLD 3	1.452	Si
478	18.1	2.3	0	3,4,5,6	-209786	576272	-14683	-321943	884361	SLD 3	1.535	Si
290	18.1	0.9	0	3,4,5	755030	-312783	-25650	1276635	-528867	SLD 7	1.691	Si
110	18.1	0.9	0	3,4,5	625655	488384	-28069	1120158	874392	SLD 5	1.79	Si
-80	18.1	0.9	0	2	-146449	-828410	-32373	-278657	-1576263	SLD 15	1.903	Si
508	18.1	1.1	0	6	-372744	319489	-13101	-764542	655310	SLD 7	2.051	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.224	31	0.277	0.084	0.231	SLV 1	No
20	0.313	60	0.363	0.119	0.327	SLV 1	No
350	0.378	87	0.422	0.144	0.395	SLV 7	No
50	0.406	100	0.447	0.154	0.424	SLV 5	No
320	0.479	140	0.513	0.181	0.498	SLV 9	No
80	0.531	173	0.56	0.2	0.548	SLV 7	No
420	0.403	98	0.443	0.153	0.42	SLV 3	No
290	0.629	249	0.65	0.234	0.644	SLV 9	No
449	0.541	180	0.569	0.203	0.558	SLV 7	No
770	0.52	165	0.549	0.195	0.536	SLV 3	No
110	0.723	337	0.736	0.267	0.734	SLV 9	No
478	0.679	293	0.695	0.252	0.692	SLV 7	No
741	0.712	326	0.726	0.263	0.724	SLV 7	No
-80	0.831	457	0.834	0.305	0.837	SLV 15	No
260	0.904	558	0.905	0.33	0.907	SLV 11	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.506	20	0.582	0.068	0.485	SLD 1	No
20	0.709	42	0.788	0.1	0.708	SLD 1	No
350	0.855	61	0.919	0.121	0.857	SLD 7	No
50	0.918	70	0.972	0.13	0.919	SLD 5	No
420	0.912	69	0.966	0.129	0.911	SLD 3	No
770	1.176	114	1.187	0.165	1.167	SLD 3	Si
320	1.084	97	1.111	0.152	1.08	SLD 9	Si
449	1.225	124	1.229	0.171	1.214	SLD 7	Si
80	1.201	120	1.213	0.168	1.193	SLD 7	Si
741	1.609	221	1.557	0.223	1.58	SLD 7	Si
478	1.535	200	1.495	0.213	1.512	SLD 7	Si
290	1.422	169	1.395	0.198	1.402	SLD 9	Si
110	1.635	229	1.58	0.226	1.604	SLD 9	Si
-80	1.879	310	1.789	0.258	1.828	SLD 15	Si
508	2.008	359	1.9	0.275	1.946	SLD 7	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-3124	-16041	SLU 29	7251	3526	27484	2.5	2.32	130	-15167	SLU 26	7137	3526	27367	2.5	55.01	Si
741	2X/2Y ø6/25	-3124	-16190	SLU 29	7270	3526	27504	2.5	2.33	130	-15317	SLU 26	7156	3526	27387	2.5	55.16	Si
712	2X/2Y ø6/25	-3124	-16342	SLU 29	7290	3526	27525	2.5	2.33	130	-15468	SLU 26	7176	3526	27407	2.5	55.31	Si
683	2X/2Y ø6/25	-3124	-16493	SLU 29	7310	3526	27545	2.5	2.34	130	-15620	SLU 26	7196	3526	27428	2.5	55.46	Si
653	2X/2Y ø6/25	-3124	-16645	SLU 29	7329	3526	27566	2.5	2.35	130	-15772	SLU 26	7216	3526	27448	2.5	55.61	Si
624	2X/2Y ø6/25	-3124	-16797	SLU 29	7349	3526	27586	2.5	2.35	130	-15923	SLU 26	7235	3526	27468	2.5	55.77	Si
595	2X/2Y ø6/25	-3124	-16948	SLU 29	7369	3526	27606	2.5	2.36	130	-16075	SLU 26	7255	3526	27489	2.5	55.92	Si
566	2X/2Y ø6/25	-3124	-17100	SLU 29	7389	3526	27627	2.5	2.37	130	-16227	SLU 26	7275	3526	27509	2.5	56.07	Si
537	2X/2Y ø6/25	-3124	-17252	SLU 29	7408	3526	27647	2.5	2.37	130	-16378	SLU 26	7295	3526	27530	2.5	56.22	Si
508	2X/2Y ø6/25	-3124	-17403	SLU 29	7428	3526	27668	2.5	2.38	130	-16530	SLU 26	7314	3526	27550	2.5	56.38	Si
478	2X/2Y ø6/25	-3124	-17555	SLU 29	7448	3526	27688	2.5	2.38	130	-16682	SLU 26	7334	3526	27571	2.5	56.53	Si
449	2X/2Y ø6/25	-3124	-17707	SLU 29	7467	3526	27709	2.5	2.39	130	-16833	SLU 26	7354	3526	27591	2.5	56.68	Si
420	2X/2Y ø6/25	-3124	-17856	SLU 29	7487	3526	27729	2.5	1.8	130	-16982	SLU 26	7373	3526	27611	2.5	56.83	Si
350	2X/2Y ø6/24	-4351	-32894	SLU 30	10721	4203	37099	2.5	1.86	-94	-26678	SLU 12	9898	4203	36248	2.5	105.22	Si
320	2X/2Y ø6/24	-4351	-33088	SLU 30	10746	4203	37126	2.5	1.87	-94	-26827	SLU 12	9918	4203	36268	2.5	105.43	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	10500	-1984	SLV 15	6630	4203	32867	2.5	0.63	21169	-15348	SLV 11	8399	4203	34697	2.5	0.4	No
320	2X/2Y ø6/24	10500	-2133	SLV 15	6650	4203	32888	2.5	0.63	21169	-15497	SLV 11	8419	4203	34717	2.5	0.4	No
290	2X/2Y ø6/24	10500	-2285	SLV 15	6670	4203	32909	2.5	0.64	21169	-15649	SLV 11	8439	4203	34738	2.5	0.4	No
260	2X/2Y ø6/24	10500	-2437	SLV 15	6690	4203	32930	2.5	0.64	21169	-15801	SLV 11	8459	4203	34759	2.5	0.4	No
230	2X/2Y ø6/24	10500	-2589	SLV 15	6710	4203	32950	2.5	0.64	21169	-15953	SLV 11	8479	4203	34780	2.5	0.4	No
200	2X/2Y ø6/24	10500	-2741	SLV 15	6730	4203	32971	2.5	0.64	21169	-16105	SLV 11	8499	4203	34801	2.5	0.4	No
170	2X/2Y ø6/24	10500	-2892	SLV 15	6751	4203	32992	2.5	0.64	21169	-16256	SLV 11	8519	4203	34821	2.5	0.4	No
140	2X/2Y ø6/24	10500	-3044	SLV 15	6771	4203	33013	2.5	0.64	21169	-16408	SLV 11	8539	4203	34842	2.5	0.4	No
110	2X/2Y ø6/24	10500	-3196	SLV 15	6791	4203	33033	2.5	0.65	21169	-16560	SLV 11	8559	4203	34863	2.5	0.4	No
80	2X/2Y ø6/24	10500	-3348	SLV 15	6811	4203	33054	2.5	0.65	21169	-16712	SLV 11	8579	4203	34884	2.5	0.41	No
50	2X/2Y ø6/24	10500	-3500	SLV 15	6831	4203	33075	2.5	0.65	21169	-16864	SLV 11	8599	4203	34905	2.5	0.41	No
20	2X/2Y ø6/24	10500	-3654	SLV 15	6851	4203	33096	2.5	0.65	21169	-17018	SLV 11	8620	4203	34926	2.5	0.41	No
-10	2X/2Y ø6/24	10500	-3801	SLV 15	6871	4203	33116	2.5	0.65	21169	-17165	SLV 11	8639	4203	34946	2.5	0.41	No
770	2X/2Y ø6/25	-8575	-16660	SLV 3	7331	3526	27568	2.5	0.85	-9717	-11164	SLV 9	6616	3526	26828	2.5	0.68	No
741	2X/2Y ø6/25	-8575	-16775	SLV 3	7346	3526	27583	2.5	0.86	-9717	-11279	SLV 9	6631	3526	26843	2.5	0.68	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-7842	-31549	SLD 1	10543	4203	36915	2.5	1.34	-7839	-22381	SLD 9	9330	4203	35660	2.5	1.19	Si
320	2X/2Y ø6/24	-7842	-31699	SLD 1	10563	4203	36935	2.5	1.35	-7839	-22531	SLD 9	9349	4203	35680	2.5	1.19	Si
290	2X/2Y ø6/24	-7842	-31851	SLD 1	10583	4203	36956	2.5	1.35	-7839	-22682	SLD 9	9369	4203	35701	2.5	1.2	Si
260	2X/2Y ø6/24	-7842	-32003	SLD 1	10603	4203	36977	2.5	1.35	-7839	-22834	SLD 9	9390	4203	35722	2.5	1.2	Si
230	2X/2Y ø6/24	-7842	-32154	SLD 1	10623	4203	36998	2.5	1.35	-7839	-22986	SLD 9	9410	4203	35743	2.5	1.2	Si
200	2X/2Y ø6/24	-7842	-32307	SLD 1	10643	4203	37019	2.5	1.36	-7839	-23138	SLD 9	9430	4203	35763	2.5	1.2	Si
170	2X/2Y ø6/24	-7842	-32458	SLD 1	10663	4203	37039	2.5	1.36	-7839	-23290	SLD 9	9450	4203	35784	2.5	1.21	Si
140	2X/2Y ø6/24	-7842	-32610	SLD 1	10683	4203	37060	2.5	1.36	-7839	-23442	SLD 9	9470	4203	35805	2.5	1.21	Si
110	2X/2Y ø6/24	-7842	-32762	SLD 1	10703	4203	37081	2.5	1.36	-7839	-23594	SLD 9	9490	4203	35826	2.5	1.21	Si
80	2X/2Y ø6/24	-7842	-32914	SLD 1	10723	4203	37102	2.5	1.37	-7839	-23746	SLD 9	9510	4203	35847	2.5	1.21	Si
50	2X/2Y ø6/24	-7842	-33066	SLD 1	10743	4203	37123	2.5	1.37	-7839	-23897	SLD 9	9530	4203	35867	2.5	1.22	Si
20	2X/2Y ø6/24	-7842	-33220	SLD 1	10764	4203	37144	2.5	1.37	-7839	-24051	SLD 9	9551	4203	35888	2.5	1.22	Si
-10	2X/2Y ø6/24	-7842	-33367	SLD 1	10783	4203	37164	2.5	1.38	-7839	-24199	SLD 9	9570	4203	35909	2.5	1.22	Si
770	2X/2Y ø6/25	-4449	-13519	SLD 3	6923	3526	27145	2.5	1.56	3502	-12053	SLD 7	6732	3526	26948	2.5	1.92	Si
741	2X/2Y ø6/25	-4449	-13633	SLD 3	6937	3526	27160	2.5	1.56	3502	-12168	SLD 7	6747	3526	26963	2.5	1.93	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.416	105	0.456	0.158	0.434	SLV 9	No
320	0.417	105	0.456	0.158	0.434	SLV 9	No
290	0.418	106	0.458	0.159	0.436	SLV 9	No
260	0.419	106	0.458	0.159	0.436	SLV 9	No
230	0.42	107	0.46	0.159	0.438	SLV 9	No
200	0.421	107	0.46	0.159	0.438	SLV 9	No
170	0.422	108	0.462	0.16	0.44	SLV 9	No
140	0.423	108	0.462	0.16	0.44	SLV 9	No
110	0.423	109	0.463	0.161	0.442	SLV 9	No
80	0.424	109	0.463	0.161	0.442	SLV 9	No
50	0.425	109	0.463	0.161	0.442	SLV 9	No
20	0.426	110	0.465	0.161	0.444	SLV 9	No
-10	0.427	110	0.465	0.161	0.444	SLV 9	No
770	0.684	298	0.7	0.253	0.696	SLV 7	No
741	0.686	299	0.701	0.254	0.698	SLV 7	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.186	116	1.196	0.166	1.178	SLD 9	Si
320	1.188	116	1.196	0.166	1.178	SLD 9	Si
290	1.191	118	1.204	0.167	1.183	SLD 9	Si
260	1.193	118	1.204	0.167	1.183	SLD 9	Si
230	1.195	119	1.208	0.168	1.188	SLD 9	Si
200	1.197	119	1.208	0.168	1.188	SLD 9	Si
170	1.201	120	1.213	0.168	1.193	SLD 9	Si
140	1.203	120	1.213	0.168	1.193	SLD 9	Si
110	1.205	121	1.217	0.169	1.199	SLD 9	Si
80	1.207	121	1.217	0.169	1.199	SLD 9	Si
50	1.211	122	1.221	0.17	1.204	SLD 9	Si
20	1.213	122	1.221	0.17	1.204	SLD 9	Si
-10	1.215	122	1.221	0.17	1.204	SLD 9	Si
770	1.949	336	1.849	0.267	1.892	SLD 7	Si
741	1.953	339	1.856	0.268	1.897	SLD 7	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 68

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	51584	978730	-25812	50893	965616	SLU 29	0.987	No
449	18.1	2.3	0	2,3,4,5	43473	837839	-25663	54888	1057838	SLU 29	1.263	Si
770	18.1	1.1	0	5	-48692	-749069	-24770	-72053	-1108456	SLU 30	1.48	Si
478	18.1	2.3	0	2,3,4,5	35220	694490	-25512	60299	1189030	SLU 29	1.712	Si
741	18.1	1.1	0	5	-40339	-606452	-24919	-84041	-1263456	SLU 30	2.083	Si
508	18.1	1.1	0	5	26966	551141	-25360	65600	1340740	SLU 29	1.833	Si
350	18.1	0.9	0	2,3,4	-27472	-639326	-57692	-72933	-1697294	SLU 30	2.655	Si
320	18.1	0.9	0	2,3,4	-24507	-575014	-57887	-68611	-1609864	SLU 30	2.8	Si
290	18.1	0.9	0	2,3,4	-21491	-509613	-58084	-63585	-1507796	SLU 30	2.959	Si
712	18.1	1.1	0	5	-32630	-476717	-28142	-97466	-1423942	SLU 36	2.987	Si
260	18.1	0.9	0	2,3,4	-18475	-444211	-58281	-57794	-1389560	SLU 30	3.128	Si
230	18.1	0.9	0	2,3,4	-15460	-378809	-58479	-51141	-1253124	SLU 30	3.308	Si
200	18.1	0.9	0	2,3,4	-12438	-313266	-58677	-43509	-1095861	SLU 30	3.498	Si
537	18.1	1.1	0	5	19149	409274	-25981	67041	1432901	SLU 30	3.501	Si
170	18.1	0.9	0	2,3,4	-9428	-248005	-58874	-34846	-916600	SLU 30	3.696	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	2,3,4,5	-694522	2007275	-24780	-247780	716121	SLV 3	0.357				No
-10	18.1	1.8	0	1,2,3,4	34290	2452164	-36571	13026	931520	SLV 1	0.38				No
350	18.1	0.9	0	2,3,4	-370278	-2316019	-34753	-148526	-929002	SLV 1	0.401				No
449	18.1	2.3	0	2,3,4,5	-593050	1710227	-24666	-257503	742584	SLV 3	0.434				No
770	18.1	1.1	0	5	540882	-1609905	-23384	250229	-744794	SLV 3	0.463				No
20	18.1	1.8	0	1,2,3,4	-3571	2065510	-36423	-1720	995052	SLV 1	0.482				No
320	18.1	0.9	0	2,3,4	-337594	-1924230	-34903	-175728	-1001620	SLV 1	0.521				No
478	18.1	2.3	0	2,3,4,5	-489808	1408013	-24549	-271841	781440	SLV 3	0.555				No
741	18.1	1.1	0	5	439410	-1312867	-23499	264265	-789569	SLV 3	0.601				No
50	18.1	1.8	0	1,2,3,4	-38031	1661937	-36269	-25299	1105579	SLV 1	0.665				No
290	18.1	0.9	0	2,3,4	-304354	-1525810	-35054	-224015	-1123049	SLV 1	0.736				No
508	18.1	1.1	0	5	-386568	1105830	-24432	-294656	842904	SLV 3	0.762				No
712	18.1	1.1	0	5	336171	-1010673	-23616	287734	-865051	SLV 3	0.856				No
260	18.1	0.9	0	2,3,4	-1226582	-644571	-36171	-1127690	-592603	SLV 5	0.919				No
80	18.1	0.9	0	2,3,4	-71476	1263513	-36118	-75206	1329442	SLV 1	1.052				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-289354	1271561	-22198	-181032	795543	SLD 3	0.626	No
449	18.1	2.3	0	2,3,4,5	-247326	1084344	-22084	-191411	839200	SLD 3	0.774	No
770	18.1	1.1	0	5	222332	-1008034	-20802	186205	-844239	SLD 3	0.838	No
478	18.1	2.3	0	2,3,4,5	-204565	893870	-21967	-207383	906182	SLD 3	1.014	Si
350	18.1	0.9	0	2,3,4	-170782	-1271677	-38120	-181097	-1348483	SLD 1	1.06	Si
741	18.1	1.1	0	5	180304	-820822	-20917	202723	-922882	SLD 3	1.124	Si
-10	18.1	1.8	0	1,2,3,4	18507	1144381	-39938	25091	1551560	SLD 1	1.356	Si
320	18.1	0.9	0	2,3,4	-155475	-1073154	-38270	-218880	-1510798	SLD 1	1.408	Si
508	18.1	1.1	0	5	-161804	703409	-21850	-233086	1013287	SLD 3	1.441	Si
712	18.1	1.1	0	5	137544	-630356	-21034	230669	-1057144	SLD 3	1.677	Si
290	18.1	0.9	0	2,3,4	-612730	-565833	-38848	-1105062	-1020484	SLD 5	1.804	Si
20	18.1	1.8	0	1,2,3,4	920	948461	-39791	1696	1747712	SLD 1	1.843	Si
260	18.1	0.9	0	2,3,4	-547156	-455760	-39000	-1200059	-999602	SLD 5	2.193	Si
537	18.1	1.1	0	5	-119045	512979	-21734	-274505	1182876	SLD 3	2.306	Si
50	18.1	1.8	0	1,2,3,4	-15197	743967	-39637	-38770	1897977	SLD 1	2.551	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.159	16	0.211	0.059	0.163	SLV 3	No
-10	0.532	174	0.561	0.2	0.55	SLV 1	No
350	0.465	131	0.5	0.175	0.482	SLV 1	No
449	0.279	48	0.331	0.106	0.291	SLV 3	No
770	0.329	65	0.375	0.125	0.344	SLV 3	No
20	0.64	258	0.66	0.238	0.654	SLV 1	No
320	0.591	217	0.614	0.221	0.607	SLV 1	No
478	0.451	124	0.488	0.171	0.47	SLV 3	No
741	0.523	168	0.553	0.197	0.541	SLV 3	No
50	0.796	416	0.802	0.292	0.804	SLV 1	No
290	0.788	407	0.795	0.29	0.796	SLV 1	No
508	0.721	335	0.734	0.266	0.732	SLV 3	No
712	0.838	465	0.84	0.307	0.843	SLV 3	No
260	0.939	612	0.94	0.343	0.942	SLV 5	No
80	1.026	758	1.026	0.373	1.025	SLV 1	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.359	11	0.455	0.049	0.346	SLD 3	No
449	0.631	33	0.714	0.087	0.617	SLD 3	No
770	0.744	46	0.818	0.104	0.737	SLD 3	No
478	1.021	86	1.058	0.143	1.017	SLD 3	Si
350	1.051	92	1.087	0.148	1.049	SLD 1	Si
741	1.184	116	1.196	0.166	1.178	SLD 3	Si
-10	1.201	120	1.213	0.168	1.193	SLD 1	Si
320	1.336	149	1.325	0.187	1.323	SLD 1	Si
508	1.629	227	1.575	0.225	1.598	SLD 3	Si
712	1.895	316	1.803	0.26	1.842	SLD 3	Si
290	1.781	277	1.709	0.245	1.739	SLD 1	Si
20	1.445	175	1.415	0.201	1.423	SLD 1	Si
260	2.125	406	1.999	0.29	2.052	SLD 5	Si
537	2.594	645	1.816	0.35	1.881	SLD 9	Si
50	1.799	282	1.721	0.248	1.755	SLD 1	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-4975	-24770	SLU 30	8387	3526	28659	2.5	1.69	-270	-19558	SLU 12	7708	3526	27958	2.5	28.52	Si
741	2X/2Y ø6/25	-4975	-24919	SLU 30	8406	3526	28679	2.5	1.69	-270	-19673	SLU 12	7723	3526	27973	2.5	28.57	Si
712	2X/2Y ø6/25	-4975	-25071	SLU 30	8426	3526	28700	2.5	1.69	-270	-19790	SLU 12	7739	3526	27989	2.5	28.63	Si
683	2X/2Y ø6/25	-4975	-25223	SLU 30	8445	3526	28720	2.5	1.7	-270	-19906	SLU 12	7754	3526	28005	2.5	28.68	Si
653	2X/2Y ø6/25	-4975	-25374	SLU 30	8465	3526	28741	2.5	1.7	-270	-20023	SLU 12	7769	3526	28020	2.5	28.74	Si
624	2X/2Y ø6/25	-4975	-25526	SLU 30	8485	3526	28761	2.5	1.71	-270	-20140	SLU 12	7784	3526	28036	2.5	28.8	Si
595	2X/2Y ø6/25	-4975	-25678	SLU 30	8505	3526	28782	2.5	1.71	-270	-20256	SLU 12	7799	3526	28052	2.5	28.85	Si
566	2X/2Y ø6/25	-4975	-25829	SLU 30	8524	3526	28802	2.5	1.71	-270	-20373	SLU 12	7814	3526	28067	2.5	28.91	Si
537	2X/2Y ø6/25	-4975	-25981	SLU 30	8544	3526	28822	2.5	1.72	-270	-20490	SLU 12	7830	3526	28083	2.5	28.96	Si
508	2X/2Y ø6/25	-4975	-26133	SLU 30	8564	3526	28843	2.5	1.72	-270	-20606	SLU 12	7845	3526	28099	2.5	29.02	Si
478	2X/2Y ø6/25	-4975	-26284	SLU 30	8584	3526	28863	2.5	1.73	-270	-20723	SLU 12	7860	3526	28115	2.5	29.08	Si
449	2X/2Y ø6/25	-4975	-26436	SLU 30	8603	3526	28884	2.5	1.73	-270	-20840	SLU 12	7875	3526	28130	2.5	29.13	Si
420	2X/2Y ø6/25	-4975	-26585	SLU 30	8623	3526	28904	2.5	1.73	-270	-20954	SLU 12	7890	3526	28146	2.5	29.19	Si
350	2X/2Y ø6/24	-2198	-57076	SLU 29	12670	4203	40409	2.5	5.76	-104	-47885	SLU 12	12670	4203	39151	2.5	121.97	Si
290	2X/2Y ø6/24	-2198	-57468	SLU 29	12670	4203	40463	2.5	5.76	-104	-48186	SLU 12	12670	4203	39192	2.5	121.97	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-12149	-24588	SLV 3	8363	3526	28635	2.5	0.69	-10921	-11703	SLV 9	6686	3526	26900	2.5	0.61	No
741	2X/2Y ø6/25	-12149	-24702	SLV 3	8378	3526	28650	2.5	0.69	-10921	-11818	SLV 9	6701	3526	26916	2.5	0.61	No
712	2X/2Y ø6/25	-12149	-24819	SLV 3	8393	3526	28666	2.5	0.69	-10921	-11935	SLV 9	6716	3526	26932	2.5	0.62	No
683	2X/2Y ø6/25	-12149	-24936	SLV 3	8408	3526	28682	2.5	0.69	-10921	-12051	SLV 9	6732	3526	26947	2.5	0.62	No
653	2X/2Y ø6/25	-12149	-25052	SLV 3	8423	3526	28697	2.5	0.69	-10921	-12168	SLV 9	6747	3526	26963	2.5	0.62	No
624	2X/2Y ø6/25	-12149	-25169	SLV 3	8439	3526	28713	2.5	0.69	-10921	-12285	SLV 9	6762	3526	26979	2.5	0.62	No
595	2X/2Y ø6/25	-12149	-25286	SLV 3	8454	3526	28729	2.5	0.7	-10921	-12401	SLV 9	6777	3526	26994	2.5	0.62	No
566	2X/2Y ø6/25	-12149	-25402	SLV 3	8469	3526	28744	2.5	0.7	-10921	-12518	SLV 9	6792	3526	27010	2.5	0.62	No
537	2X/2Y ø6/25	-12149	-25519	SLV 3	8484	3526	28760	2.5	0.7	-10921	-12635	SLV 9	6807	3526	27026	2.5	0.62	No

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
508	2X/2Y ø6/25	-12149	-25636	SLV 3	8499	3526	28776	2.5	0.7	-10921	-12751	SLV 9	6823	3526	27042	2.5	0.62	No
478	2X/2Y ø6/25	-12149	-25752	SLV 3	8514	3526	28792	2.5	0.7	-10921	-12868	SLV 9	6838	3526	27057	2.5	0.63	No
449	2X/2Y ø6/25	-12149	-25869	SLV 3	8530	3526	28807	2.5	0.7	-10921	-12985	SLV 9	6853	3526	27073	2.5	0.63	No
420	2X/2Y ø6/25	-12149	-25984	SLV 3	8545	3526	28823	2.5	0.7	-10921	-13099	SLV 9	6868	3526	27088	2.5	0.63	No
350	2X/2Y ø6/24	-16337	-33183	SLV 1	10759	4203	37139	2.5	0.66	-6453	-38151	SLV 9	11416	4203	37819	2.5	1.77	No
320	2X/2Y ø6/24	-16337	-33332	SLV 1	10779	4203	37159	2.5	0.66	-6453	-38300	SLV 9	11436	4203	37839	2.5	1.77	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-6531	-20802	SLD 3	7870	3526	28125	2.5	1.21	-3950	-16280	SLD 9	7282	3526	27517	2.5	1.84	Si
741	2X/2Y ø6/25	-6531	-20917	SLD 3	7885	3526	28141	2.5	1.21	-3950	-16395	SLD 9	7297	3526	27532	2.5	1.85	Si
712	2X/2Y ø6/25	-6531	-21034	SLD 3	7900	3526	28156	2.5	1.21	-3950	-16511	SLD 9	7312	3526	27548	2.5	1.85	Si
683	2X/2Y ø6/25	-6531	-21150	SLD 3	7916	3526	28172	2.5	1.21	-3950	-16628	SLD 9	7327	3526	27563	2.5	1.85	Si
653	2X/2Y ø6/25	-6531	-21267	SLD 3	7931	3526	28188	2.5	1.21	-3950	-16745	SLD 9	7342	3526	27579	2.5	1.86	Si
624	2X/2Y ø6/25	-6531	-21384	SLD 3	7946	3526	28204	2.5	1.22	-3950	-16861	SLD 9	7357	3526	27595	2.5	1.86	Si
595	2X/2Y ø6/25	-6531	-21500	SLD 3	7961	3526	28219	2.5	1.22	-3950	-16978	SLD 9	7373	3526	27610	2.5	1.87	Si
566	2X/2Y ø6/25	-6531	-21617	SLD 3	7976	3526	28235	2.5	1.22	-3950	-17095	SLD 9	7388	3526	27626	2.5	1.87	Si
537	2X/2Y ø6/25	-6531	-21734	SLD 3	7992	3526	28251	2.5	1.22	-3950	-17211	SLD 9	7403	3526	27642	2.5	1.87	Si
508	2X/2Y ø6/25	-6531	-21850	SLD 3	8007	3526	28266	2.5	1.23	-3950	-17328	SLD 9	7418	3526	27658	2.5	1.88	Si
478	2X/2Y ø6/25	-6531	-21967	SLD 3	8022	3526	28282	2.5	1.23	-3950	-17445	SLD 9	7433	3526	27673	2.5	1.88	Si
449	2X/2Y ø6/25	-6531	-22084	SLD 3	8037	3526	28298	2.5	1.23	-3950	-17561	SLD 9	7449	3526	27689	2.5	1.89	Si
420	2X/2Y ø6/25	-6531	-22198	SLD 3	8052	3526	28313	2.5	1.23	-3950	-17676	SLD 9	7464	3526	27704	2.5	1.89	Si
350	2X/2Y ø6/24	-6730	-38120	SLD 1	11412	4203	37814	2.5	1.7	-2300	-39864	SLD 9	11643	4203	38053	2.5	5.06	Si
320	2X/2Y ø6/24	-6730	-38270	SLD 1	11432	4203	37835	2.5	1.7	-2300	-40014	SLD 9	11663	4203	38074	2.5	5.07	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.52	165	0.549	0.195	0.536	SLV 3	No
741	0.521	167	0.552	0.196	0.539	SLV 3	No
712	0.523	168	0.553	0.197	0.541	SLV 3	No
683	0.525	169	0.555	0.197	0.542	SLV 3	No
653	0.527	171	0.557	0.198	0.545	SLV 3	No
624	0.529	172	0.559	0.199	0.547	SLV 3	No
595	0.531	173	0.56	0.2	0.548	SLV 3	No
566	0.533	175	0.563	0.201	0.551	SLV 3	No
537	0.535	176	0.564	0.201	0.553	SLV 3	No
508	0.537	177	0.565	0.202	0.554	SLV 3	No
478	0.539	179	0.568	0.203	0.557	SLV 3	No
449	0.541	180	0.569	0.203	0.558	SLV 3	No
420	0.543	181	0.57	0.204	0.56	SLV 3	No
350	0.647	265	0.667	0.241	0.662	SLV 1	No
320	0.648	266	0.668	0.241	0.663	SLV 1	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	1.484	186	1.451	0.207	1.464	SLD 3	Si
741	1.488	186	1.451	0.207	1.464	SLD 3	Si
712	1.492	187	1.454	0.207	1.468	SLD 3	Si
683	1.5	190	1.464	0.208	1.476	SLD 3	Si
653	1.508	192	1.47	0.209	1.484	SLD 3	Si
624	1.508	192	1.47	0.209	1.484	SLD 3	Si
595	1.516	194	1.476	0.211	1.492	SLD 3	Si
566	1.523	196	1.483	0.212	1.5	SLD 3	Si
537	1.527	197	1.486	0.212	1.504	SLD 3	Si
508	1.531	199	1.492	0.213	1.508	SLD 3	Si
478	1.539	201	1.498	0.214	1.516	SLD 3	Si
449	1.543	202	1.501	0.214	1.519	SLD 3	Si
420	1.547	203	1.504	0.215	1.523	SLD 3	Si
350	1.844	298	1.761	0.253	1.796	SLD 1	Si
320	1.848	299	1.763	0.254	1.799	SLD 1	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 69

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-8610	-1103860	-23916	-6796	-871315	SLU 30	0.789	No
449	18.1	2.3	0	2,3,4,5	-14783	-941255	-23255	-14635	-931825	SLU 29	0.99	No
770	18.1	1.1	0	5	-93453	837015	-23828	-111877	1002027	SLU 36	1.197	Si
478	18.1	2.3	0	2,3,4,5	-21212	-785009	-23103	-27977	-1035381	SLU 29	1.319	Si
741	18.1	1.1	0	5	-86413	679216	-23977	-143793	1130233	SLU 36	1.664	Si
508	18.1	1.1	0	5	-27641	-628763	-22951	-52152	-1186315	SLU 29	1.887	Si
712	18.1	1.1	0	5	-79249	518664	-24129	-197276	1291119	SLU 36	1.889	Si
537	18.1	1.1	0	5	-34070	-472518	-22800	-97805	-1356462	SLU 29	2.871	Si
683	18.1	1.1	0	5	-70560	369042	-24601	-256380	1340918	SLU 35	3.634	Si
-22	0	0.9	0	1	-2841	10375	-45854	-11800	43099	SLU 36	4.154	Si
-17	1.47	0.9	0	1	-2077	9786	-45818	-8770	41309	SLU 36	4.221	Si
566	18.1	1.1	0	5	-40499	-316272	-22648	-175832	-1373142	SLU 29	4.342	Si
14	17.38	1.8	0	1,2,3,4	2097	6562	-45620	10352	32391	SLU 36	4.936	Si
44	18.1	1.8	0	1,2,3,4	6341	3284	-45419	31638	16387	SLU 36	4.989	Si
75	18.1	0.9	0	2,3,4	10633	-30	-45215	53291	-151	SLU 36	5.012	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	2,3,4,5	149981	-1897479	-24157	57659	-729474	SLV 15	0.384				No
449	18.1	2.3	0	2,3,4,5	133182	-1623052	-24043	62217	-758224	SLV 15	0.467				No
770	18.1	1.1	0	5	-59175	1451301	-22761	-31454	771437	SLV 15	0.532				No
478	18.1	2.3	0	2,3,4,5	116100	-1344003	-23926	69390	-803271	SLV 15	0.598				No
741	18.1	1.1	0	5	-45979	1176963	-22876	-32455	830783	SLV 15	0.706				No
508	18.1	1.1	0	5	99033	-1065272	-23809	81932	-881323	SLV 15	0.827				No
712	18.1	1.1	0	5	-27431	898087	-22993	-29025	950266	SLV 15	1.058				Si
537	18.1	1.1	0	5	81986	-787285	-23693	107875	-1035886	SLV 15	1.316				Si
350	18.1	0.9	0	2,3,4	54682	-719413	-21096	102457	-1347969	SLV 3	1.874				Si
683	18.1	1.1	0	5	-1983	619774	-23109	-3868	1209169	SLV 15	1.951				Si
319	18.1	0.9	0	2,3,4	-111202	-604033	-18517	-247206	-1342782	SLV 1	2.223				Si
566	18.1	1.1	0	5	-54644	-501659	-22057	-140298	-1288007	SLV 13	2.567				Si
289	18.1	0.9	0	2,3,4	-100873	-540719	-18672	-270681	-1450948	SLV 1	2.683				Si
258	18.1	0.9	0	2,3,4	-90545	-477471	-18827	-298258	-1572809	SLV 1	3.294				Si
228	18.1	0.9	0	2,3,4	125557	389900	-44892	466202	1447726	SLV 15	3.713				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	63709	-1265824	-20688	39320	-781240	SLD 15	0.617	No
449	18.1	2.3	0	2,3,4,5	53570	-1083216	-20573	40708	-823143	SLD 15	0.76	No
770	18.1	1.1	0	5	-61770	960767	-19292	-54088	841274	SLD 15	0.876	No
478	18.1	2.3	0	2,3,4,5	43260	-897496	-20457	42966	-891391	SLD 15	0.993	No
741	18.1	1.1	0	5	-53226	778199	-19407	-63853	933565	SLD 15	1.2	Si
508	18.1	1.1	0	5	32956	-711917	-20340	46973	-1014721	SLD 15	1.425	Si
712	18.1	1.1	0	5	-42267	592555	-19523	-78725	1103674	SLD 15	1.863	Si
537	18.1	1.1	0	5	22661	-526667	-20223	52695	-1224677	SLD 15	2.325	Si
683	18.1	1.1	0	5	-28255	407161	-19640	-94185	1357243	SLD 15	3.333	Si
566	18.1	1.1	0	5	-40453	-338039	-19435	-166405	-1390540	SLD 13	4.114	Si
350	18.1	0.9	0	2,3,4	103731	262588	-37053	506025	1280967	SLD 15	4.878	Si
-22	0	0.9	0	1	-4885	58033	-38934	-23901	283929	SLD 15	4.893	Si
-17	1.47	0.9	0	1	-3248	53517	-38906	-16148	266057	SLD 15	4.971	Si
319	18.1	0.9	0	2,3,4	94943	238623	-37205	480133	1206729	SLD 15	5.057	Si
289	18.1	0.9	0	2,3,4	86010	214281	-37360	450726	1122923	SLD 15	5.24	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.089	4	0.119	0.032	0.088	SLV 15	No
449	0.229	32	0.28	0.086	0.235	SLV 15	No
770	0.335	68	0.382	0.127	0.349	SLV 15	No
478	0.437	116	0.475	0.166	0.455	SLV 15	No
741	0.602	226	0.625	0.225	0.618	SLV 15	No
508	0.771	388	0.78	0.284	0.78	SLV 15	No
712	1.072	843	1.072	0.389	1.069	SLV 15	Si
537	1.387	1648	1.411	0.497	1.365	SLV 15	Si
350	1.385	1642	1.409	0.496	1.363	SLV 3	Si
683	2.061	2474	1.666	0.573	1.575	SLV 15	Si
319	1.498	2026	1.535	0.534	1.468	SLV 1	Si
566	2.69	2474	1.666	0.573	1.575	SLV 1	Si
289	1.627	2474	1.666	0.573	1.575	SLV 1	Si
258	1.779	2474	1.666	0.573	1.575	SLV 1	Si
228	1.959	2474	1.666	0.573	1.575	SLV 1	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.201	3	0.267	0.026	0.183	SLD 15	No
449	0.516	22	0.605	0.07	0.498	SLD 15	No
770	0.758	48	0.833	0.107	0.755	SLD 15	No
478	0.988	80	1.027	0.139	0.984	SLD 15	Si
741	1.359	155	1.347	0.19	1.346	SLD 15	Si
508	1.742	263	1.673	0.24	1.702	SLD 15	Si
712	1.824	548	2.26	0.328	2.324	SLD 15	Si
537	3.139	1032	2.93	0.421	2.98	SLD 15	Si
683	4.657	2474	4.193	0.603	4.276	SLD 15	Si
566	6.086	2474	4.193	0.603	4.276	SLD 1	Si
350	3.127	1022	2.918	0.419	2.97	SLD 3	Si
-22	4.182	2222	4.012	0.552	3.911	SLD 1	Si
-17	4.646	2474	4.193	0.603	4.276	SLD 1	Si
319	3.388	1266	3.186	0.452	3.205	SLD 1	Si
289	3.678	1576	3.485	0.489	3.464	SLD 1	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	5434	-22101	SLU 30	8039	3562	28300	2.5	1.48	-251	-24149	SLU 35	8306	3562	28576	2.5	33.13	Si
741	2X/2Y ø6/24.8	5434	-22250	SLU 30	8059	3562	28320	2.5	1.48	-251	-24298	SLU 35	8325	3562	28596	2.5	33.21	Si
712	2X/2Y ø6/24.8	5434	-22402	SLU 30	8078	3562	28341	2.5	1.49	-251	-24449	SLU 35	8345	3562	28616	2.5	33.29	Si
683	2X/2Y ø6/24.8	5434	-22553	SLU 30	8098	3562	28361	2.5	1.49	-251	-24601	SLU 35	8365	3562	28637	2.5	33.37	Si
653	2X/2Y ø6/24.8	5434	-22705	SLU 30	8118	3562	28381	2.5	1.49	-251	-24753	SLU 35	8384	3562	28657	2.5	33.45	Si
624	2X/2Y ø6/24.8	5434	-22857	SLU 30	8138	3562	28402	2.5	1.5	-251	-24904	SLU 35	8404	3562	28677	2.5	33.53	Si
595	2X/2Y ø6/24.8	5434	-23008	SLU 30	8157	3562	28422	2.5	1.5	-251	-25056	SLU 35	8424	3562	28698	2.5	33.61	Si
566	2X/2Y ø6/24.8	5434	-23160	SLU 30	8177	3562	28443	2.5	1.5	-251	-25208	SLU 35	8444	3562	28718	2.5	33.68	Si
537	2X/2Y ø6/24.8	5434	-23312	SLU 30	8197	3562	28463	2.5	1.51	-251	-25359	SLU 35	8463	3562	28739	2.5	33.76	Si
508	2X/2Y ø6/24.8	5434	-23463	SLU 30	8217	3562	28483	2.5	1.51	-251	-25511	SLU 35	8483	3562	28759	2.5	33.84	Si
478	2X/2Y ø6/24.8	5434	-23615	SLU 30	8236	3562	28504	2.5	1.52	-251	-25663	SLU 35	8503	3562	28780	2.5	33.92	Si
449	2X/2Y ø6/24.8	5434	-23767	SLU 30	8256	3562	28524	2.5	1.52	-251	-25814	SLU 35	8522	3562	28800	2.5	34	Si
420	2X/2Y ø6/24.8	5434	-23916	SLU 30	8275	3562	28544	2.5	1.52	-251	-25963	SLU 35	8542	3562	28820	2.5	34.08	Si
350	2X/2Y ø6/23.9	-229	-39539	SLU 26	11600	4223	38009	2.5	50.68	145	-39539	SLU 26	11600	4223	38009	2.5	79.88	Si
319	2X/2Y ø6/23.9	-229	-39737	SLU 26	11626	4223	38036	2.5	50.79	145	-39737	SLU 26	11626	4223	38036	2.5	80.07	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	11081	-24379	SLV 15	8336	3562	28607	2.5	0.75	-1182	-21794	SLV 11	7999	3562	28259	2.5	6.77	No
741	2X/2Y ø6/24.8	11081	-24494	SLV 15	8351	3562	28622	2.5	0.75	-1182	-21909	SLV 11	8014	3562	28274	2.5	6.78	No
712	2X/2Y ø6/24.8	11081	-24610	SLV 15	8366	3562	28638	2.5	0.75	-1182	-22025	SLV 11	8029	3562	28290	2.5	6.79	No
683	2X/2Y ø6/24.8	11081	-24727	SLV 15	8381	3562	28654	2.5	0.76	-1182	-22142	SLV 11	8045	3562	28306	2.5	6.81	No
653	2X/2Y ø6/24.8	11081	-24844	SLV 15	8396	3562	28669	2.5	0.76	-1182	-22259	SLV 11	8060	3562	28321	2.5	6.82	No
624	2X/2Y ø6/24.8	11081	-24960	SLV 15	8411	3562	28685	2.5	0.76	-1182	-22375	SLV 11	8075	3562	28337	2.5	6.83	No
595	2X/2Y ø6/24.8	11081	-25077	SLV 15	8427	3562	28701	2.5	0.76	-1182	-22492	SLV 11	8090	3562	28353	2.5	6.84	No
566	2X/2Y ø6/24.8	11081	-25194	SLV 15	8442	3562	28716	2.5	0.76	-1182	-22609	SLV 11	8105	3562	28368	2.5	6.86	No
537	2X/2Y ø6/24.8	11081	-25310	SLV 15	8457	3562	28732	2.5	0.76	-1182	-22725	SLV 11	8121	3562	28384	2.5	6.87	No
508	2X/2Y ø6/24.8	11081	-25427	SLV 15	8472	3562	28748	2.5	0.76	-1182	-22842	SLV 11	8136	3562	28400	2.5	6.88	No
478	2X/2Y ø6/24.8	11081	-25544	SLV 15	8487	3562	28764	2.5	0.77	-1182	-22959	SLV 11	8151	3562	28416	2.5	6.9	No
449	2X/2Y ø6/24.8	11081	-25660	SLV 15	8502	3562	28779	2.5	0.77	-1182	-23075	SLV 11	8166	3562	28431	2.5	6.91	No
420	2X/2Y ø6/24.8	11081	-25775	SLV 15	8517	3562	28795	2.5	0.77	-1182	-23190	SLV 11	8181	3562	28447	2.5	6.92	No
350	2X/2Y ø6/23.9	-2798	-18438	SLV 3	8808	4223	35120	2.5	3.15	-1011	-21203	SLV 5	9174	4223	35499	2.5	9.08	Si
319	2X/2Y ø6/23.9	-2798	-18590	SLV 3	8828	4223	35141	2.5	3.16	-1011	-21355	SLV 5	9194	4223	35519	2.5	9.1	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	6375	-19292	SLD 15	7674	3562	27922	2.5	1.2	-524	-18384	SLD 11	7556	3562	27800	2.5	14.41	Si
741	2X/2Y ø6/24.8	6375	-19407	SLD 15	7689	3562	27937	2.5	1.21	-524	-18499	SLD 11	7571	3562	27815	2.5	14.43	Si
712	2X/2Y ø6/24.8	6375	-19523	SLD 15	7704	3562	27953	2.5	1.21	-524	-18615	SLD 11	7586	3562	27831	2.5	14.46	Si
683	2X/2Y ø6/24.8	6375	-19640	SLD 15	7719	3562	27969	2.5	1.21	-524	-18732	SLD 11	7601	3562	27847	2.5	14.49	Si
653	2X/2Y ø6/24.8	6375	-19757	SLD 15	7734	3562	27985	2.5	1.21	-524	-18849	SLD 11	7616	3562	27862	2.5	14.52	Si
624	2X/2Y ø6/24.8	6375	-19873	SLD 15	7749	3562	28000	2.5	1.22	-524	-18965	SLD 11	7631	3562	27878	2.5	14.55	Si
595	2X/2Y ø6/24.8	6375	-19990	SLD 15	7765	3562	28016	2.5	1.22	-524	-19082	SLD 11	7646	3562	27894	2.5	14.58	Si
566	2X/2Y ø6/24.8	6375	-20107	SLD 15	7780	3562	28032	2.5	1.22	-524	-19199	SLD 11	7662	3562	27909	2.5	14.61	Si
537	2X/2Y ø6/24.8	6375	-20223	SLD 15	7795	3562	28047	2.5	1.22	-524	-19315	SLD 11	7677	3562	27925	2.5	14.64	Si
508	2X/2Y ø6/24.8	6375	-20340	SLD 15	7810	3562	28063	2.5	1.23	-524	-19432	SLD 11	7692	3562	27941	2.5	14.67	Si
478	2X/2Y ø6/24.8	6375	-20457	SLD 15	7825	3562	28079	2.5	1.23	-524	-19549	SLD 11	7707	3562	27956	2.5	14.69	Si
449	2X/2Y ø6/24.8	6375	-20573	SLD 15	7841	3562	28094	2.5	1.23	-524	-19665	SLD 11	7722	3562	27972	2.5	14.72	Si
420	2X/2Y ø6/24.8	6375	-20688	SLD 15	7855	3562	28110	2.5	1.23	-524	-19780	SLD 11	7737	3562	27988	2.5	14.75	Si
350	2X/2Y ø6/23.9	-1037	-26795	SLD 3	9914	4223	36264	2.5	9.56	488	-34873	SLD 11	10983	4223	37370	2.5	22.5	Si
319	2X/2Y ø6/23.9	-1037	-26948	SLD 3	9934	4223	36285	2.5	9.58	488	-35025	SLD 11	11003	4223	37391	2.5	22.54	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.559	192	0.584	0.209	0.575	SLV 15	No
741	0.563	195	0.588	0.211	0.579	SLV 15	No
712	0.564	197	0.59	0.212	0.582	SLV 15	No
683	0.566	198	0.592	0.212	0.583	SLV 15	No
653	0.57	201	0.595	0.214	0.587	SLV 15	No
624	0.57	201	0.595	0.214	0.587	SLV 15	No
595	0.574	204	0.599	0.215	0.591	SLV 15	No
566	0.576	206	0.601	0.216	0.594	SLV 15	No
537	0.578	207	0.603	0.216	0.595	SLV 15	No
508	0.582	210	0.606	0.218	0.599	SLV 15	No
478	0.584	212	0.609	0.219	0.601	SLV 15	No
449	0.586	213	0.61	0.219	0.602	SLV 15	No
420	0.59	216	0.613	0.22	0.606	SLV 15	No
350	2.359	2474	1.666	0.573	1.575	SLV 3	Si
319	2.365	2474	1.666	0.573	1.575	SLV 3	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	1.594	216	1.543	0.221	1.565	SLD 15	Si
741	1.602	219	1.552	0.222	1.572	SLD 15	Si
712	1.609	221	1.557	0.223	1.58	SLD 15	Si
683	1.617	223	1.563	0.224	1.587	SLD 15	Si
653	1.625	226	1.572	0.225	1.594	SLD 15	Si
624	1.625	226	1.572	0.225	1.594	SLD 15	Si
595	1.633	228	1.578	0.226	1.601	SLD 15	Si
566	1.641	232	1.589	0.227	1.611	SLD 15	Si
537	1.648	234	1.594	0.228	1.618	SLD 15	Si
508	1.656	236	1.6	0.229	1.625	SLD 15	Si
478	1.664	238	1.606	0.23	1.631	SLD 15	Si
449	1.672	241	1.614	0.231	1.638	SLD 15	Si
420	1.68	243	1.619	0.232	1.644	SLD 15	Si
350	6.722	2474	4.193	0.603	4.276	SLD 3	Si
319	6.735	2474	4.193	0.603	4.276	SLD 3	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 70

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.6	-17.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	-17.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	3,4,5,6	-149347	804154	-23355	-184554	993726	SLU 29	1.236	Si
449	18.1	2.3	0	3,4,5,6	-128351	683335	-23206	-203006	1080795	SLU 29	1.582	Si
770	18.1	1.1	0	6	106266	-666741	-21540	169247	-1061897	SLU 29	1.593	Si
-10	18.1	1.8	0	2,3,4,5	-212999	1031552	-51214	-357874	1733181	SLU 29	1.68	Si
20	18.1	1.8	0	2,3,4,5	-181118	884526	-51023	-363764	1776519	SLU 29	2.008	Si
-80	18.1	0.9	0	2	32290	-745094	-77833	68451	-1579545	SLU 30	2.12	Si
478	18.1	2.3	0	3,4,5,6	-106989	560409	-23054	-227789	1193167	SLU 29	2.129	Si
741	18.1	1.1	0	6	85270	-545922	-21689	186484	-1193915	SLU 29	2.187	Si
-110	18.1	0.9	0	2	32483	-663530	-78028	72504	-1481038	SLU 30	2.232	Si
350	18.1	0.9	0	3,4,5	180137	-781467	-48852	404999	-1756959	SLU 29	2.248	Si
-140	18.1	0.9	0	2	32680	-580585	-78225	76894	-1366092	SLU 30	2.353	Si
50	18.1	1.8	0	2,3,4,5	-147841	731065	-50823	-358543	1772971	SLU 29	1.825	Si
-170	18.1	0.9	0	2	32877	-497639	-78422	81562	-1234565	SLU 30	1.881	Si
-500	18.1	1.8	0	1,2	35038	413381	-80591	90061	1062549	SLU 30	2.57	Si
-200	18.1	0.9	0	2	33077	-413356	-78623	86584	-1082042	SLU 30	2.618	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	2,3,4,5	-3336999	2022661	-26151	-768242	465656	SLV 7	0.23				No
20	18.1	1.8	0	2,3,4,5	-2863770	1739507	-26004	-784782	476691	SLV 7	0.274				No
350	18.1	0.9	0	3,4,5	2499544	-1469340	-24334	797041	-468535	SLV 7	0.319				No
50	18.1	1.8	0	2,3,4,5	-2213356	331374	-11455	-755005	113036	SLV 11	0.341				No
320	18.1	0.9	0	3,4,5	1855001	-327344	-10089	758385	-133829	SLV 11	0.409				No
420	18.1	2.3	0	3,4,5,6	-768068	1709886	-21749	-319564	711418	SLV 3	0.416				No
80	18.1	0.9	0	3,4,5	-1761192	258214	-11304	-773418	113393	SLV 11	0.439				No
449	18.1	2.3	0	3,4,5,6	-656252	1452688	-21634	-332001	734921	SLV 3	0.506				No
770	18.1	1.1	0	6	593737	-1422057	-20353	306131	-733213	SLV 3	0.516				No
290	18.1	0.9	0	3,4,5	1402854	-254190	-10240	786373	-142487	SLV 11	0.561				No
110	18.1	0.9	0	3,4,5	-1308963	185064	-11152	-806684	114051	SLV 11	0.616				No
478	18.1	2.3	0	3,4,5,6	-542495	1191018	-21517	-350702	769946	SLV 3	0.646				No
741	18.1	1.1	0	6	481938	-1164876	-20467	319327	-771833	SLV 3	0.663				No
-80	18.1	0.9	0	2	-327731	-1031893	-7209	-247438	-779084	SLV 15	0.755				No
-500	18.1	1.8	0	1,2	306813	948195	-9330	266758	824408	SLV 15	0.869				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3,4,5	-738407	1948681	-45621	-409510	1080711	SLD 3	0.555	No
20	18.1	1.8	0	2,3,4,5	-1345509	1123867	-32309	-906605	757262	SLD 7	0.674	No
420	18.1	2.3	0	3,4,5,6	-402641	1079197	-19317	-292113	782948	SLD 3	0.725	No
350	18.1	0.9	0	3,4,5	1183655	-963490	-30639	935609	-761582	SLD 7	0.79	No
50	18.1	1.8	0	2,3,4,5	-1112589	931609	-32155	-958422	802520	SLD 7	0.861	No
449	18.1	2.3	0	3,4,5,6	-344317	916799	-19203	-308604	821708	SLD 3	0.896	No
770	18.1	1.1	0	6	307646	-898217	-17921	279251	-815313	SLD 3	0.908	No
320	18.1	0.9	0	3,4,5	957534	-776849	-30789	1004123	-814647	SLD 7	1.049	Si
80	18.1	0.9	0	3,4,5	-882652	741804	-32004	-1019961	857202	SLD 7	1.156	Si
478	18.1	2.3	0	3,4,5,6	-284979	751573	-19086	-333086	878446	SLD 3	1.169	Si
741	18.1	1.1	0	6	249330	-735826	-18036	297889	-879133	SLD 3	1.195	Si
290	18.1	0.9	0	3,4,5	727595	-587051	-30940	1088480	-878227	SLD 7	1.496	Si
508	18.1	1.1	0	6	-225648	586358	-18969	-371524	965424	SLD 3	1.646	Si
110	18.1	0.9	0	3,4,5	-652751	552007	-31852	-1092138	923581	SLD 7	1.673	Si
712	18.1	1.1	0	6	190007	-570614	-18153	326885	-981677	SLD 3	1.72	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.201	25	0.253	0.075	0.206	SLV 3	No
20	0.281	49	0.334	0.107	0.295	SLV 3	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.345	72	0.391	0.131	0.36	SLV 7	No
50	0.378	87	0.422	0.144	0.395	SLV 7	No
320	0.464	131	0.5	0.175	0.482	SLV 7	No
420	0.236	35	0.291	0.09	0.247	SLV 3	No
80	0.512	160	0.542	0.192	0.529	SLV 7	No
449	0.367	82	0.412	0.14	0.384	SLV 3	No
770	0.375	85	0.418	0.142	0.391	SLV 3	No
290	0.647	265	0.667	0.241	0.662	SLV 7	No
110	0.72	334	0.733	0.266	0.731	SLV 7	No
478	0.56	193	0.586	0.21	0.576	SLV 3	No
741	0.578	207	0.603	0.216	0.595	SLV 3	No
-80	0.832	458	0.835	0.305	0.838	SLV 15	No
-500	0.93	596	0.93	0.339	0.932	SLV 15	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.455	17	0.544	0.062	0.443	SLD 3	No
20	0.635	34	0.723	0.089	0.628	SLD 3	No
420	0.533	24	0.627	0.074	0.524	SLD 3	No
350	0.779	51	0.854	0.11	0.782	SLD 7	No
50	0.854	60	0.913	0.12	0.849	SLD 7	No
449	0.828	57	0.894	0.116	0.825	SLD 3	No
770	0.848	60	0.913	0.12	0.849	SLD 3	No
320	1.049	90	1.078	0.147	1.042	SLD 7	Si
80	1.156	111	1.174	0.162	1.15	SLD 7	Si
478	1.266	133	1.265	0.177	1.255	SLD 3	Si
741	1.309	142	1.299	0.183	1.294	SLD 3	Si
290	1.463	181	1.435	0.204	1.444	SLD 7	Si
508	1.961	341	1.861	0.269	1.903	SLD 3	Si
110	1.625	226	1.572	0.225	1.594	SLD 7	Si
712	2.061	380	1.945	0.281	1.995	SLD 3	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-4215	-21540	SLU 29	7966	3526	28225	2.5	1.89	748	-20533	SLU 20	7835	3526	28089	2.5	10.47	Si
741	2X/2Y ø6/25	-4215	-21689	SLU 29	7986	3526	28245	2.5	1.89	748	-20682	SLU 20	7855	3526	28109	2.5	10.49	Si
712	2X/2Y ø6/25	-4215	-21841	SLU 29	8005	3526	28265	2.5	1.9	748	-20833	SLU 20	7874	3526	28129	2.5	10.52	Si
683	2X/2Y ø6/25	-4215	-21992	SLU 29	8025	3526	28285	2.5	1.9	748	-20985	SLU 20	7894	3526	28150	2.5	10.55	Si
653	2X/2Y ø6/25	-4215	-22144	SLU 29	8045	3526	28306	2.5	1.91	748	-21137	SLU 20	7914	3526	28170	2.5	10.57	Si
624	2X/2Y ø6/25	-4215	-22296	SLU 29	8065	3526	28326	2.5	1.91	748	-21288	SLU 20	7934	3526	28191	2.5	10.6	Si
595	2X/2Y ø6/25	-4215	-22447	SLU 29	8084	3526	28347	2.5	1.92	748	-21440	SLU 20	7953	3526	28211	2.5	10.63	Si
566	2X/2Y ø6/25	-4215	-22599	SLU 29	8104	3526	28367	2.5	1.92	748	-21592	SLU 20	7973	3526	28232	2.5	10.65	Si
537	2X/2Y ø6/25	-4215	-22751	SLU 29	8124	3526	28388	2.5	1.93	748	-21743	SLU 20	7993	3526	28252	2.5	10.68	Si
508	2X/2Y ø6/25	-4215	-22902	SLU 29	8144	3526	28408	2.5	1.93	748	-21895	SLU 20	8012	3526	28272	2.5	10.71	Si
478	2X/2Y ø6/25	-4215	-23054	SLU 29	8163	3526	28428	2.5	1.94	748	-22047	SLU 20	8032	3526	28293	2.5	10.73	Si
449	2X/2Y ø6/25	-4215	-23206	SLU 29	8183	3526	28449	2.5	1.94	748	-22198	SLU 20	8052	3526	28313	2.5	10.76	Si
420	2X/2Y ø6/25	-4215	-23355	SLU 29	8202	3526	28469	2.5	1.95	748	-22347	SLU 20	8071	3526	28333	2.5	10.78	Si
350	2X/2Y ø6/24	-5050	-48852	SLU 29	12670	4203	39284	2.5	2.51	1123	-42741	SLU 19	12024	4203	38447	2.5	10.7	Si
320	2X/2Y ø6/24	-5050	-49046	SLU 29	12670	4203	39310	2.5	2.51	1123	-42936	SLU 19	12050	4203	38474	2.5	10.73	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	10747	1579	SLV 15	6368	4203	32596	2.5	0.59	18768	-3256	SLV 11	6799	4203	33042	2.5	0.36	No
320	2X/2Y ø6/24	10747	1430	SLV 15	6368	4203	32596	2.5	0.59	18768	-3405	SLV 11	6818	4203	33062	2.5	0.36	No
290	2X/2Y ø6/24	10747	1278	SLV 15	6368	4203	32596	2.5	0.59	18768	-3557	SLV 11	6838	4203	33083	2.5	0.36	No
260	2X/2Y ø6/24	10747	1126	SLV 15	6368	4203	32596	2.5	0.59	18768	-3709	SLV 11	6859	4203	33104	2.5	0.37	No
230	2X/2Y ø6/24	10747	974	SLV 15	6368	4203	32596	2.5	0.59	18768	-3861	SLV 11	6879	4203	33124	2.5	0.37	No
200	2X/2Y ø6/24	10747	822	SLV 15	6368	4203	32596	2.5	0.59	18768	-4013	SLV 11	6899	4203	33145	2.5	0.37	No
170	2X/2Y ø6/24	10747	670	SLV 15	6368	4203	32596	2.5	0.59	18768	-4164	SLV 11	6919	4203	33166	2.5	0.37	No
140	2X/2Y ø6/24	10747	519	SLV 15	6368	4203	32596	2.5	0.59	18768	-4316	SLV 11	6939	4203	33187	2.5	0.37	No
110	2X/2Y ø6/24	10747	367	SLV 15	6368	4203	32596	2.5	0.59	18768	-4468	SLV 11	6959	4203	33208	2.5	0.37	No
80	2X/2Y ø6/24	10747	215	SLV 15	6368	4203	32596	2.5	0.59	18768	-4620	SLV 11	6979	4203	33228	2.5	0.37	No
50	2X/2Y ø6/24	10747	63	SLV 15	6368	4203	32596	2.5	0.59	18768	-4772	SLV 11	6999	4203	33249	2.5	0.37	No
20	2X/2Y ø6/24	10747	-91	SLV 15	6380	4203	32608	2.5	0.59	18768	-4926	SLV 11	7020	4203	33270	2.5	0.37	No
-10	2X/2Y ø6/24	10747	-238	SLV 15	6399	4203	32629	2.5	0.6	18768	-5073	SLV 11	7039	4203	33290	2.5	0.38	No
770	2X/2Y ø6/25	-10515	-21485	SLV 3	7959	3526	28217	2.5	0.76	8332	-12485	SLV 7	6788	3526	27006	2.5	0.81	No
741	2X/2Y ø6/25	-10515	-21599	SLV 3	7974	3526	28233	2.5	0.76	8332	-12600	SLV 7	6803	3526	27021	2.5	0.82	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-9329	-43803	SLD 3	12164	4203	38592	2.5	1.3	7141	-24270	SLD 11	9580	4203	35918	2.5	1.34	Si
320	2X/2Y ø6/24	-9329	-43953	SLD 3	12184	4203	38613	2.5	1.31	7141	-24419	SLD 11	9599	4203	35939	2.5	1.34	Si
290	2X/2Y ø6/24	-9329	-44105	SLD 3	12204	4203	38634	2.5	1.31	7141	-24571	SLD 11	9619	4203	35960	2.5	1.35	Si
260	2X/2Y ø6/24	-9329	-44256	SLD 3	12224	4203	38654	2.5	1.31	7141	-24723	SLD 11	9639	4203	35980	2.5	1.35	Si
230	2X/2Y ø6/24	-9329	-44408	SLD 3	12244	4203	38675	2.5	1.31	7141	-24875	SLD 11	9660	4203	36001	2.5	1.35	Si
200	2X/2Y ø6/24	-9329	-44561	SLD 3	12265	4203	38696	2.5	1.31	7141	-25027	SLD 11	9680	4203	36022	2.5	1.36	Si
170	2X/2Y ø6/24	-9329	-44712	SLD 3	12285	4203	38717	2.5	1.32	7141	-25179	SLD 11	9700	4203	36043	2.5	1.36	Si
140	2X/2Y ø6/24	-9329	-44864	SLD 3	12305	4203	38738	2.5	1.32	7141	-25331	SLD 11	9720	4203	36064	2.5	1.36	Si
110	2X/2Y ø6/24	-9329	-45016	SLD 3	12325	4203	38758	2.5	1.32	7141	-25483	SLD 11	9740	4203	36084	2.5	1.36	Si
770	2X/2Y ø6/25	-5665	-17921	SLD 3	7495	3526	27737	2.5	1.32	3284	-14765	SLD 7	7085	3526	27313	2.5	2.16	Si
80	2X/2Y ø6/24	-9329	-45168	SLD 3	12345	4203	38779	2.5	1.32	7141	-25634	SLD 11	9760	4203	36105	2.5	1.37	Si
50	2X/2Y ø6/24	-9329	-45320	SLD 3	12365	4203	38800	2.5	1.33	7141	-25786	SLD 11	9780	4203	36126	2.5	1.37	Si
741	2X/2Y ø6/25	-5665	-18036	SLD 3	7510	3526	27753	2.5	1.33	3284	-14879	SLD 7	7100	3526	27328	2.5	2.16	Si
20	2X/2Y ø6/24	-9329	-45473	SLD 3	12385	4203	38821	2.5	1.33	7141	-25940	SLD 11	9801	4203	36147	2.5	1.37	Si
712	2X/2Y ø6/25	-5665	-18153	SLD 3	7526	3526	27769	2.5	1.33	3284	-14996	SLD 7	7115	3526	27344	2.5	2.17	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.461	129	0.496	0.174	0.479	SLV 11	No
320	0.462	130	0.498	0.175	0.48	SLV 11	No
290	0.463	130	0.498	0.175	0.48	SLV 11	No
260	0.464	131	0.5	0.175	0.482	SLV 11	No
230	0.465	131	0.5	0.175	0.482	SLV 11	No
200	0.466	132	0.501	0.176	0.484	SLV 11	No
170	0.467	132	0.501	0.176	0.484	SLV 11	No
140	0.467	133	0.503	0.177	0.486	SLV 11	No
110	0.468	133	0.503	0.177	0.486	SLV 11	No
80	0.469	133	0.503	0.177	0.486	SLV 11	No
50	0.47	134	0.504	0.177	0.487	SLV 11	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
20	0.471	135	0.506	0.178	0.489	SLV 11	No
-10	0.472	135	0.506	0.178	0.489	SLV 11	No
770	0.621	242	0.642	0.232	0.636	SLV 3	No
741	0.625	245	0.646	0.233	0.64	SLV 3	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.313	143	1.303	0.183	1.299	SLD 11	Si
320	1.314	143	1.303	0.183	1.299	SLD 11	Si
290	1.318	144	1.307	0.184	1.304	SLD 11	Si
260	1.32	146	1.314	0.185	1.308	SLD 11	Si
230	1.322	146	1.314	0.185	1.308	SLD 11	Si
200	1.326	147	1.318	0.185	1.313	SLD 11	Si
170	1.328	147	1.318	0.185	1.313	SLD 11	Si
140	1.33	148	1.321	0.186	1.318	SLD 11	Si
110	1.334	148	1.321	0.186	1.318	SLD 11	Si
770	1.773	274	1.701	0.245	1.733	SLD 3	Si
80	1.336	149	1.325	0.187	1.323	SLD 11	Si
50	1.338	149	1.325	0.187	1.323	SLD 11	Si
741	1.777	275	1.704	0.245	1.736	SLD 3	Si
20	1.34	150	1.329	0.187	1.327	SLD 11	Si
712	1.781	277	1.709	0.245	1.739	SLD 3	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 71

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	254848	40347	-33636	1372760	217332	SLU 36	5.387	Si
420	18.1	2.3	0	2,3,4,5	-135567	169500	-15567	-748880	936325	SLU 20	5.524	Si
20	18.1	1.8	0	1,2,3,4	235568	31412	-33445	1315453	175409	SLU 36	5.584	Si
50	18.1	1.8	0	1,2,3,4	215445	22086	-33245	1249503	128089	SLU 36	5.8	Si
80	18.1	0.9	0	2,3,4	195577	12878	-33047	1177602	77542	SLU 36	6.021	Si
110	18.1	0.9	0	2,3,4	175710	3671	-32850	1098154	22942	SLU 36	6.25	Si
449	18.1	2.3	0	2,3,4,5	-116092	146283	-15418	-749665	944624	SLU 20	6.457	Si
140	18.1	0.9	0	2,3,4	155843	-5537	-32652	1008819	-35840	SLU 36	6.473	Si
170	18.1	0.9	0	2,3,4	135975	-14744	-32455	911047	-98786	SLU 36	6.7	Si
200	18.1	0.9	0	2,3,4	116151	-23932	-32258	805598	-165985	SLU 36	6.936	Si
230	18.1	0.9	0	2,3,4	96241	-33159	-32060	680281	-234384	SLU 36	7.069	Si
260	18.1	0.9	0	2,3,4	76374	-42366	-31863	543194	-301322	SLU 36	7.112	Si
290	18.1	0.9	0	2,3,4	56506	-51574	-31665	404397	-369095	SLU 36	7.157	Si
320	18.1	0.9	0	2,3,4	36639	-60781	-31468	263859	-437719	SLU 36	7.202	Si
350	18.1	0.9	0	2,3,4	17103	-69835	-31274	123933	-506044	SLU 36	7.246	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	78413	-2215578	800	24211	-684089	SLV 15	0.309				No
350	18.1	0.9	0	2,3,4	319345	2041062	2618	105133	671947	SLV 15	0.329				No
20	18.1	1.8	0	1,2,3,4	102532	-1870403	948	37393	-682137	SLV 15	0.365				No
320	18.1	0.9	0	2,3,4	301767	1691298	2468	119487	669684	SLV 15	0.396				No
420	18.1	2.3	0	2,3,4,5	-834064	1718130	-20693	-339828	700029	SLV 3	0.407				No
50	18.1	1.8	0	1,2,3,4	125195	-1510125	1101	56308	-679190	SLV 15	0.45				No
449	18.1	2.3	0	2,3,4,5	543053	-1258287	-4273	265631	-615483	SLV 13	0.489				No
290	18.1	0.9	0	2,3,4	283672	1335611	2316	141495	666200	SLV 15	0.499				No
770	18.1	1.1	0	5	-493328	1171580	-2992	-255979	607911	SLV 13	0.519				No
80	18.1	0.9	0	2,3,4	146927	-1154444	1253	85849	-674540	SLV 15	0.584				No
478	18.1	2.3	0	2,3,4,5	448692	-1037048	-4157	268795	-621257	SLV 13	0.599				No

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
741	18.1	1.1	0	5	-400585	954134	-3107	-257986	614485	SLV 13	0.644				No
260	18.1	0.9	0	2,3,4	265323	945586	2165	184992	659295	SLV 15	0.697				No
508	18.1	1.1	0	5	354332	-815809	-4040	273791	-630373	SLV 13	0.773				No
230	18.1	0.9	0	2,3,4	1033963	62911	-11776	858746	52250	SLV 11	0.831				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-424270	827573	-16148	-396449	773306	SLD 3	0.934	No
-10	18.1	1.8	0	1,2,3,4	136418	-956285	-13097	128649	-901825	SLD 15	0.943	No
350	18.1	0.9	0	2,3,4	155627	869743	-11280	158569	886184	SLD 15	1.019	Si
449	18.1	2.3	0	2,3,4,5	-362688	707674	-16033	-413363	806551	SLD 3	1.14	Si
20	18.1	1.8	0	1,2,3,4	140002	-808211	-12950	164773	-951207	SLD 15	1.177	Si
770	18.1	1.1	0	5	325460	-632144	-14752	418716	-813277	SLD 3	1.287	Si
320	18.1	0.9	0	2,3,4	155031	719700	-11429	203902	946576	SLD 15	1.315	Si
478	18.1	2.3	0	2,3,4,5	-300033	585683	-15917	-437359	853753	SLD 3	1.458	Si
50	18.1	1.8	0	1,2,3,4	142633	-653658	-12796	225606	-1033909	SLD 15	1.582	Si
741	18.1	1.1	0	5	263879	-512245	-14867	449047	-871697	SLD 3	1.702	Si
290	18.1	0.9	0	2,3,4	154328	567117	-11581	284435	1045230	SLD 15	1.843	Si
508	18.1	1.1	0	5	-237378	463693	-15800	-472553	923083	SLD 3	1.991	Si
80	18.1	0.9	0	2,3,4	144945	-501077	-12644	334296	-1155666	SLD 15	2.306	Si
712	18.1	1.1	0	5	201224	-390255	-14983	495324	-960634	SLD 3	1.862	Si
260	18.1	0.9	0	2,3,4	543927	109767	-17835	1394729	281462	SLD 11	2.564	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.427	110	0.465	0.161	0.444	SLV 15	No
350	0.447	121	0.484	0.169	0.464	SLV 15	No
20	0.487	144	0.519	0.183	0.504	SLV 15	No
320	0.519	165	0.549	0.195	0.536	SLV 15	No
420	0.413	103	0.453	0.156	0.43	SLV 3	No
50	0.572	202	0.597	0.214	0.589	SLV 15	No
449	0.502	154	0.534	0.189	0.52	SLV 3	No
290	0.619	240	0.64	0.231	0.634	SLV 15	No
770	0.563	195	0.588	0.211	0.579	SLV 3	No
80	0.695	310	0.711	0.258	0.708	SLV 15	No
478	0.634	253	0.654	0.236	0.649	SLV 3	No
741	0.715	329	0.729	0.264	0.726	SLV 13	No
260	0.789	408	0.796	0.29	0.797	SLV 15	No
508	0.829	454	0.832	0.304	0.835	SLV 13	No
230	0.878	519	0.878	0.321	0.882	SLV 11	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.934	72	0.983	0.132	0.934	SLD 3	No
-10	0.965	77	1.011	0.136	0.963	SLD 15	Si
350	1.012	85	1.053	0.143	1.01	SLD 15	Si
449	1.135	106	1.152	0.159	1.127	SLD 3	Si
20	1.101	100	1.125	0.155	1.098	SLD 15	Si
770	1.271	134	1.269	0.178	1.26	SLD 3	Si
320	1.172	114	1.187	0.165	1.167	SLD 15	Si
478	1.434	173	1.409	0.2	1.415	SLD 3	Si
50	1.293	139	1.288	0.181	1.279	SLD 15	Si
741	1.617	223	1.563	0.224	1.587	SLD 13	Si
290	1.398	164	1.378	0.195	1.381	SLD 15	Si
508	1.873	308	1.785	0.257	1.822	SLD 13	Si
80	1.57	209	1.522	0.218	1.542	SLD 15	Si
712	2.008	359	1.9	0.275	1.946	SLD 13	Si
260	1.783	278	1.711	0.246	1.742	SLD 15	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-826	-14371	SLU 29	7033	3526	27259	2.5	8.52	718	-14364	SLU 19	7033	3526	27259	2.5	9.79	Si
741	2X/2Y ø6/25	-826	-14520	SLU 29	7053	3526	27280	2.5	8.54	718	-14513	SLU 19	7052	3526	27279	2.5	9.82	Si
712	2X/2Y ø6/25	-826	-14671	SLU 29	7073	3526	27300	2.5	8.57	718	-14665	SLU 19	7072	3526	27299	2.5	9.85	Si
683	2X/2Y ø6/25	-826	-14823	SLU 29	7092	3526	27320	2.5	8.59	718	-14816	SLU 19	7091	3526	27319	2.5	9.88	Si
653	2X/2Y ø6/25	-826	-14975	SLU 29	7112	3526	27341	2.5	8.61	718	-14968	SLU 19	7111	3526	27340	2.5	9.9	Si
624	2X/2Y ø6/25	-826	-15126	SLU 29	7132	3526	27361	2.5	8.64	718	-15120	SLU 19	7131	3526	27360	2.5	9.93	Si
595	2X/2Y ø6/25	-826	-15278	SLU 29	7151	3526	27382	2.5	8.66	718	-15271	SLU 19	7151	3526	27381	2.5	9.96	Si
566	2X/2Y ø6/25	-826	-15430	SLU 29	7171	3526	27402	2.5	8.69	718	-15423	SLU 19	7170	3526	27401	2.5	9.99	Si
537	2X/2Y ø6/25	-826	-15581	SLU 29	7191	3526	27422	2.5	8.71	718	-15575	SLU 19	7190	3526	27422	2.5	10.01	Si
508	2X/2Y ø6/25	-826	-15733	SLU 29	7211	3526	27443	2.5	8.73	718	-15726	SLU 19	7210	3526	27442	2.5	10.04	Si
478	2X/2Y ø6/25	-826	-15885	SLU 29	7230	3526	27463	2.5	8.76	718	-15878	SLU 19	7230	3526	27462	2.5	10.07	Si
449	2X/2Y ø6/25	-826	-16036	SLU 29	7250	3526	27484	2.5	8.78	718	-16030	SLU 19	7249	3526	27483	2.5	10.09	Si
420	2X/2Y ø6/25	-826	-16185	SLU 29	7270	3526	27504	2.5	8.8	718	-16179	SLU 19	7269	3526	27503	2.5	10.12	Si
350	2X/2Y ø6/24	-419	-29103	SLU 20	10219	4203	36580	2.5	24.41	-662	-30936	SLU 30	10462	4203	36831	2.5	15.8	Si
320	2X/2Y ø6/24	-419	-29297	SLU 20	10245	4203	36607	2.5	24.47	-662	-31130	SLU 30	10487	4203	36858	2.5	15.84	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-10	2X/2Y ø6/24	15014	7282	SLV 15	6368	4203	32596	2.5	0.42	-5966	-20234	SLV 9	9045	4203	35366	2.5	1.52	No
320	2X/2Y ø6/24	15014	8950	SLV 15	6368	4203	32596	2.5	0.42	-5966	-18566	SLV 9	8825	4203	35138	2.5	1.48	No
290	2X/2Y ø6/24	15014	8798	SLV 15	6368	4203	32596	2.5	0.42	-5966	-18718	SLV 9	8845	4203	35158	2.5	1.48	No
260	2X/2Y ø6/24	15014	8646	SLV 15	6368	4203	32596	2.5	0.42	-5966	-18869	SLV 9	8865	4203	35179	2.5	1.49	No
230	2X/2Y ø6/24	15014	8494	SLV 15	6368	4203	32596	2.5	0.42	-5966	-19021	SLV 9	8885	4203	35200	2.5	1.49	No
200	2X/2Y ø6/24	15014	8342	SLV 15	6368	4203	32596	2.5	0.42	-5966	-19174	SLV 9	8905	4203	35221	2.5	1.49	No
350	2X/2Y ø6/24	15014	9099	SLV 15	6368	4203	32596	2.5	0.42	-5966	-18416	SLV 9	8805	4203	35117	2.5	1.48	No
140	2X/2Y ø6/24	15014	8039	SLV 15	6368	4203	32596	2.5	0.42	-5966	-19477	SLV 9	8945	4203	35262	2.5	1.5	No
110	2X/2Y ø6/24	15014	7887	SLV 15	6368	4203	32596	2.5	0.42	-5966	-19629	SLV 9	8965	4203	35283	2.5	1.5	No
80	2X/2Y ø6/24	15014	7735	SLV 15	6368	4203	32596	2.5	0.42	-5966	-19781	SLV 9	8985	4203	35304	2.5	1.51	No
50	2X/2Y ø6/24	15014	7583	SLV 15	6368	4203	32596	2.5	0.42	-5966	-19933	SLV 9	9006	4203	35325	2.5	1.51	No
20	2X/2Y ø6/24	15014	7429	SLV 15	6368	4203	32596	2.5	0.42	-5966	-20086	SLV 9	9026	4203	35346	2.5	1.51	No
170	2X/2Y ø6/24	15014	8191	SLV 15	6368	4203	32596	2.5	0.42	-5966	-19325	SLV 9	8925	4203	35241	2.5	1.5	No
770	2X/2Y ø6/25	9707	-872	SLV 13	5277	3526	25442	2.5	0.54	9786	-12125	SLV 7	6741	3526	26957	2.5	0.69	No
741	2X/2Y ø6/25	9707	-987	SLV 13	5292	3526	25458	2.5	0.55	9786	-12239	SLV 7	6756	3526	26973	2.5	0.69	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	5086	-11280	SLD 15	7860	4203	34140	2.5	1.55	-2379	-20944	SLD 9	9139	4203	35463	2.5	3.84	Si
320	2X/2Y ø6/24	5086	-11429	SLD 15	7880	4203	34161	2.5	1.55	-2379	-21093	SLD 9	9159	4203	35484	2.5	3.85	Si
290	2X/2Y ø6/24	5086	-11581	SLD 15	7900	4203	34181	2.5	1.55	-2379	-21245	SLD 9	9179	4203	35504	2.5	3.86	Si

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
260	2X/2Y ø6/24	5086	-11733	SLD 15	7920	4203	34202	2.5	1.56	-2379	-21397	SLD 9	9199	4203	35525	2.5	3.87	Si
230	2X/2Y ø6/24	5086	-11885	SLD 15	7941	4203	34223	2.5	1.56	-2379	-21549	SLD 9	9219	4203	35546	2.5	3.88	Si
200	2X/2Y ø6/24	5086	-12037	SLD 15	7961	4203	34244	2.5	1.57	-2379	-21701	SLD 9	9240	4203	35567	2.5	3.88	Si
170	2X/2Y ø6/24	5086	-12189	SLD 15	7981	4203	34264	2.5	1.57	-2379	-21853	SLD 9	9260	4203	35587	2.5	3.89	Si
140	2X/2Y ø6/24	5086	-12340	SLD 15	8001	4203	34285	2.5	1.57	-2379	-22005	SLD 9	9280	4203	35608	2.5	3.9	Si
110	2X/2Y ø6/24	5086	-12492	SLD 15	8021	4203	34306	2.5	1.58	-2379	-22156	SLD 9	9300	4203	35629	2.5	3.91	Si
80	2X/2Y ø6/24	5086	-12644	SLD 15	8041	4203	34327	2.5	1.58	-2379	-22308	SLD 9	9320	4203	35650	2.5	3.92	Si
50	2X/2Y ø6/24	5086	-12796	SLD 15	8061	4203	34348	2.5	1.58	-2379	-22460	SLD 9	9340	4203	35671	2.5	3.93	Si
20	2X/2Y ø6/24	5086	-12950	SLD 15	8081	4203	34369	2.5	1.59	-2379	-22614	SLD 9	9360	4203	35692	2.5	3.94	Si
-10	2X/2Y ø6/24	5086	-13097	SLD 15	8101	4203	34389	2.5	1.59	-2379	-22761	SLD 9	9380	4203	35712	2.5	3.94	Si
770	2X/2Y ø6/25	-4183	-14752	SLD 3	7083	3526	27311	2.5	1.69	3758	-11489	SLD 7	6658	3526	26872	2.5	1.77	Si
741	2X/2Y ø6/25	-4183	-14867	SLD 3	7098	3526	27326	2.5	1.7	3758	-11603	SLD 7	6673	3526	26887	2.5	1.78	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
-10	0.506	156	0.537	0.19	0.523	SLV 15	No
320	0.495	149	0.527	0.186	0.512	SLV 15	No
290	0.496	150	0.528	0.187	0.514	SLV 15	No
260	0.497	151	0.529	0.187	0.515	SLV 15	No
230	0.498	151	0.529	0.187	0.515	SLV 15	No
200	0.499	152	0.531	0.188	0.517	SLV 15	No
350	0.494	149	0.527	0.186	0.512	SLV 15	No
140	0.501	153	0.532	0.189	0.518	SLV 15	No
110	0.502	154	0.534	0.189	0.52	SLV 15	No
80	0.503	154	0.534	0.189	0.52	SLV 15	No
50	0.504	155	0.535	0.19	0.521	SLV 15	No
20	0.505	156	0.537	0.19	0.523	SLV 15	No
170	0.5	153	0.532	0.189	0.518	SLV 15	No
770	0.619	240	0.64	0.231	0.634	SLV 13	No
741	0.62	241	0.641	0.231	0.635	SLV 13	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.406	166	1.385	0.196	1.39	SLD 15	Si
320	1.408	166	1.385	0.196	1.39	SLD 15	Si
290	1.412	167	1.388	0.197	1.394	SLD 15	Si
260	1.414	167	1.388	0.197	1.394	SLD 15	Si
230	1.418	168	1.392	0.197	1.398	SLD 15	Si
200	1.42	169	1.395	0.198	1.402	SLD 15	Si
170	1.424	171	1.402	0.199	1.407	SLD 15	Si
140	1.426	171	1.402	0.199	1.407	SLD 15	Si
110	1.43	172	1.405	0.199	1.411	SLD 15	Si
80	1.432	172	1.405	0.199	1.411	SLD 15	Si
50	1.436	173	1.409	0.2	1.415	SLD 15	Si
20	1.438	174	1.412	0.2	1.419	SLD 15	Si
-10	1.441	175	1.415	0.201	1.423	SLD 15	Si
770	1.762	270	1.691	0.243	1.721	SLD 13	Si
741	1.766	271	1.693	0.243	1.724	SLD 13	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 71A

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	420	770	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	420	770	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	420	770	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	420	770	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2	73331	-712911	-41637	193064	-1876937	SLU 30	2.633	Si
20	18.1	1.8	0	1,2	77490	-615646	-41446	231335	-1837923	SLU 30	2.985	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
50	18.1	1.8	0	1,2	81831	-514125	-41246	277783	-1745236	SLU 30	3.395	Si
350	18.1	0.9	0	2	124619	486487	-39275	433587	1692636	SLU 30	3.479	Si
80	18.1	0.9	0	2	86117	-413897	-41048	330479	-1588348	SLU 30	3.838	Si
420	18.1	1.8	0	2,3	-194474	-320535	-13095	-746767	-1230831	SLU 30	3.84	Si
320	18.1	0.9	0	2	120404	387930	-39469	477931	1539838	SLU 30	3.969	Si
110	18.1	0.9	0	2	90403	-313668	-40851	392625	-1362275	SLU 30	4.343	Si
449	18.1	1.8	0	2,3	-182528	-273189	-12907	-815305	-1220264	SLU 30	4.467	Si
290	18.1	0.9	0	2	116119	287701	-39666	523330	1296628	SLU 30	4.507	Si
140	18.1	0.9	0	2	94689	-213440	-40653	467481	-1053756	SLU 30	4.937	Si
260	18.1	0.9	0	2	111833	187473	-39864	573425	961273	SLU 30	5.128	Si
478	18.1	1.8	0	2,3	-170374	-225018	-12715	-909414	-1201091	SLU 30	5.338	Si
170	18.1	0.9	0	2	98975	-113212	-40456	553300	-632889	SLU 30	5.59	Si
200	18.1	0.9	0	2	103252	-13199	-40259	581205	-74298	SLU 30	5.629	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2	-30655	-3789369	-45398	-7048	-871259	SLV 15	0.23				No
20	18.1	1.8	0	1,2	20876	-3247306	-45251	5855	-910672	SLV 15	0.28				No
350	18.1	0.9	0	2	467725	2897231	-43581	150098	929751	SLV 15	0.321				No
420	18.1	1.8	0	2,3	227490	-2336818	-19711	78479	-806155	SLV 13	0.345				No
50	18.1	1.8	0	1,2	71901	-2681558	-45097	26142	-974949	SLV 15	0.364				No
449	18.1	1.8	0	2,3	209000	-1991207	-19566	87072	-829557	SLV 13	0.417				No
320	18.1	0.9	0	2	433930	2348024	-43730	187327	1013642	SLV 15	0.432				No
770	18.1	0.9	0	3	-19678	1871033	-17944	-8702	827464	SLV 13	0.442				No
80	18.1	0.9	0	2	120306	-2123087	-44945	61519	-1085654	SLV 15	0.511				No
478	18.1	1.8	0	2,3	-441711	1313109	460	-228962	680654	SLV 3	0.518				No
741	18.1	0.9	0	3	-114390	-1221522	1789	-62796	-670573	SLV 3	0.549				No
290	18.1	0.9	0	2	1463358	-22840	-16968	863719	-13481	SLV 7	0.59				No
508	18.1	0.9	0	3	-405025	1031522	608	-265908	677216	SLV 3	0.657				No
260	18.1	0.9	0	2	1319836	-21341	-17120	890566	-14400	SLV 7	0.675				No
712	18.1	0.9	0	3	-152040	-939939	1642	-107830	-666622	SLV 3	0.709				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2	15742	-1966254	-36872	8185	-1022388	SLD 15	0.52	No
20	18.1	1.8	0	1,2	40493	-1686975	-36725	26498	-1103955	SLD 15	0.654	No
420	18.1	1.8	0	2,3	20567	-1163275	-14170	15469	-874895	SLD 13	0.752	No
350	18.1	0.9	0	2	260305	1478621	-35055	201961	1147207	SLD 15	0.776	No
50	18.1	1.8	0	1,2	65105	-1395490	-36571	58137	-1246127	SLD 15	0.893	No
449	18.1	1.8	0	2,3	17304	-991219	-14025	15972	-914873	SLD 13	0.923	No
770	18.1	0.9	0	3	-28910	931511	-12403	-27843	897122	SLD 13	0.963	No
320	18.1	0.9	0	2	243376	1195657	-35204	264239	1298152	SLD 15	1.086	Si
478	18.1	1.8	0	2,3	13997	-816163	-13877	16799	-979603	SLD 13	1.2	Si
741	18.1	0.9	0	3	-14373	759457	-12548	-18323	968165	SLD 13	1.275	Si
80	18.1	0.9	0	2	88533	-1107749	-36419	116990	-1463812	SLD 15	1.321	Si
290	18.1	0.9	0	2	225958	907937	-35356	375327	1508124	SLD 15	1.661	Si
508	18.1	0.9	0	3	-181091	-613644	-12190	-303183	-1027365	SLD 15	1.674	Si
712	18.1	0.9	0	3	-76277	558486	-11156	-143529	1050891	SLD 15	1.882	Si
110	18.1	0.9	0	2	110904	-820073	-36267	233057	-1723326	SLD 15	2.101	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.228	32	0.28	0.086	0.235	SLV 15	No
20	0.296	54	0.347	0.113	0.31	SLV 15	No
350	0.349	74	0.395	0.133	0.365	SLV 15	No
420	0.325	65	0.375	0.124	0.341	SLV 13	No
50	0.4	97	0.442	0.152	0.417	SLV 15	No
449	0.407	100	0.447	0.154	0.424	SLV 13	No
320	0.476	138	0.51	0.18	0.494	SLV 15	No
770	0.425	109	0.463	0.161	0.442	SLV 13	No
80	0.565	197	0.59	0.212	0.582	SLV 15	No
478	0.53	173	0.56	0.2	0.548	SLV 13	No
741	0.566	198	0.592	0.212	0.583	SLV 13	No
290	0.691	305	0.706	0.256	0.704	SLV 15	No
508	0.729	343	0.741	0.269	0.74	SLV 3	No
260	0.768	384	0.776	0.283	0.776	SLV 7	No
712	0.771	387	0.779	0.284	0.779	SLV 3	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.514	22	0.605	0.07	0.498	SLD 15	No
20	0.669	37	0.748	0.093	0.659	SLD 15	No
420	0.734	45	0.811	0.103	0.727	SLD 13	No
350	0.789	52	0.861	0.112	0.791	SLD 15	No
50	0.904	68	0.961	0.128	0.904	SLD 15	No
449	0.92	70	0.972	0.13	0.919	SLD 13	No
770	0.961	76	1.005	0.135	0.955	SLD 13	Si
320	1.076	96	1.107	0.151	1.073	SLD 15	Si
478	1.199	119	1.208	0.168	1.188	SLD 13	Si
741	1.281	136	1.276	0.179	1.27	SLD 13	Si
80	1.277	135	1.273	0.178	1.265	SLD 15	Si
290	1.563	207	1.516	0.217	1.535	SLD 15	Si
508	1.646	233	1.592	0.228	1.615	SLD 3	Si
712	1.742	263	1.673	0.24	1.702	SLD 3	Si
110	1.957	340	1.858	0.268	1.9	SLD 15	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	3341	-39275	SLU 30	11565	4203	37972	2.5	3.46	182	-33492	SLU 19	10800	4203	37181	2.5	59.42	Si
320	2X/2Y ø6/24	3341	-39469	SLU 30	11591	4203	37999	2.5	3.47	182	-33686	SLU 19	10826	4203	37207	2.5	59.56	Si
290	2X/2Y ø6/24	3341	-39666	SLU 30	11617	4203	38026	2.5	3.48	182	-33883	SLU 19	10852	4203	37234	2.5	59.71	Si
260	2X/2Y ø6/24	3341	-39864	SLU 30	11643	4203	38053	2.5	3.48	182	-34081	SLU 19	10878	4203	37261	2.5	59.85	Si
230	2X/2Y ø6/24	3341	-40061	SLU 30	11669	4203	38080	2.5	3.49	182	-34278	SLU 19	10904	4203	37288	2.5	59.99	Si
200	2X/2Y ø6/24	3341	-40259	SLU 30	11695	4203	38107	2.5	3.5	182	-34476	SLU 19	10930	4203	37316	2.5	60.14	Si
170	2X/2Y ø6/24	3341	-40456	SLU 30	11721	4203	38134	2.5	3.51	182	-34673	SLU 19	10956	4203	37343	2.5	60.28	Si
140	2X/2Y ø6/24	3341	-40653	SLU 30	11748	4203	38161	2.5	3.52	182	-34871	SLU 19	10982	4203	37370	2.5	60.43	Si
110	2X/2Y ø6/24	3341	-40851	SLU 30	11774	4203	38188	2.5	3.52	182	-35068	SLU 19	11008	4203	37397	2.5	60.57	Si
80	2X/2Y ø6/24	3341	-41048	SLU 30	11800	4203	38215	2.5	3.53	182	-35265	SLU 19	11035	4203	37424	2.5	60.71	Si
50	2X/2Y ø6/24	3341	-41246	SLU 30	11826	4203	38242	2.5	3.54	182	-35463	SLU 19	11061	4203	37451	2.5	60.86	Si
20	2X/2Y ø6/24	3341	-41446	SLU 30	11852	4203	38270	2.5	3.55	182	-35663	SLU 19	11087	4203	37478	2.5	61	Si
-10	2X/2Y ø6/24	3341	-41637	SLU 30	11878	4203	38296	2.5	3.56	182	-35854	SLU 19	11113	4203	37504	2.5	61.14	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	1652	-10798	SLU 30	7797	4034	34074	2.5	4.72	427	-10095	SLU 20	7704	4034	33978	2.5	18.04	Si
741	2X/2Y ø6/25	1652	-10987	SLU 30	7822	4034	34100	2.5	4.74	427	-10284	SLU 20	7729	4034	34004	2.5	18.1	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-17975	-9019	SLV 1	7561	4203	33831	2.5	0.42	5725	-13645	SLV 7	8174	4203	34464	2.5	1.43	No
320	2X/2Y ø6/24	-17975	-9169	SLV 1	7581	4203	33851	2.5	0.42	5725	-13795	SLV 7	8193	4203	34484	2.5	1.43	No
290	2X/2Y ø6/24	-17975	-9321	SLV 1	7601	4203	33872	2.5	0.42	5725	-13947	SLV 7	8213	4203	34505	2.5	1.43	No
260	2X/2Y ø6/24	-17975	-9473	SLV 1	7621	4203	33893	2.5	0.42	5725	-14099	SLV 7	8233	4203	34526	2.5	1.44	No
230	2X/2Y ø6/24	-17975	-9624	SLV 1	7641	4203	33913	2.5	0.43	5725	-14250	SLV 7	8254	4203	34547	2.5	1.44	No
200	2X/2Y ø6/24	-17975	-9777	SLV 1	7662	4203	33934	2.5	0.43	5725	-14403	SLV 7	8274	4203	34568	2.5	1.45	No
170	2X/2Y ø6/24	-17975	-9928	SLV 1	7682	4203	33955	2.5	0.43	5725	-14554	SLV 7	8294	4203	34588	2.5	1.45	No
140	2X/2Y ø6/24	-17975	-10080	SLV 1	7702	4203	33976	2.5	0.43	5725	-14706	SLV 7	8314	4203	34609	2.5	1.45	No
110	2X/2Y ø6/24	-17975	-10232	SLV 1	7722	4203	33997	2.5	0.43	5725	-14858	SLV 7	8334	4203	34630	2.5	1.46	No
80	2X/2Y ø6/24	-17975	-10384	SLV 1	7742	4203	34017	2.5	0.43	5725	-15010	SLV 7	8354	4203	34651	2.5	1.46	No
50	2X/2Y ø6/24	-17975	-10536	SLV 1	7762	4203	34038	2.5	0.43	5725	-15162	SLV 7	8374	4203	34672	2.5	1.46	No
20	2X/2Y ø6/24	-17975	-10689	SLV 1	7782	4203	34059	2.5	0.43	5725	-15315	SLV 7	8395	4203	34693	2.5	1.47	No
-10	2X/2Y ø6/24	-17975	-10837	SLV 1	7802	4203	34079	2.5	0.43	5725	-15463	SLV 7	8414	4203	34713	2.5	1.47	No
508	2X/2Y ø6/25	-12478	3192	SLV 3	6368	4034	32596	2.5	0.51	3340	1074	SLV 7	6368	4034	32596	2.5	1.91	No
537	2X/2Y ø6/25	-12478	3340	SLV 3	6368	4034	32596	2.5	0.51	3340	1221	SLV 7	6368	4034	32596	2.5	1.91	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	9594	-35055	SLD 15	11007	4203	37395	2.5	1.15	2089	-23146	SLD 7	9431	4203	35764	2.5	4.52	Si
320	2X/2Y ø6/24	9594	-35204	SLD 15	11026	4203	37415	2.5	1.15	2089	-23295	SLD 7	9450	4203	35785	2.5	4.52	Si
290	2X/2Y ø6/24	9594	-35356	SLD 15	11047	4203	37436	2.5	1.15	2089	-23447	SLD 7	9471	4203	35806	2.5	4.53	Si
260	2X/2Y ø6/24	9594	-35508	SLD 15	11067	4203	37457	2.5	1.15	2089	-23599	SLD 7	9491	4203	35827	2.5	4.54	Si
230	2X/2Y ø6/24	9594	-35660	SLD 15	11087	4203	37478	2.5	1.16	2089	-23751	SLD 7	9511	4203	35847	2.5	4.55	Si
200	2X/2Y ø6/24	9594	-35812	SLD 15	11107	4203	37498	2.5	1.16	2089	-23903	SLD 7	9531	4203	35868	2.5	4.56	Si
170	2X/2Y ø6/24	9594	-35963	SLD 15	11127	4203	37519	2.5	1.16	2089	-24054	SLD 7	9551	4203	35889	2.5	4.57	Si
140	2X/2Y ø6/24	9594	-36115	SLD 15	11147	4203	37540	2.5	1.16	2089	-24206	SLD 7	9571	4203	35910	2.5	4.58	Si
110	2X/2Y ø6/24	9594	-36267	SLD 15	11167	4203	37561	2.5	1.16	2089	-24358	SLD 7	9591	4203	35930	2.5	4.59	Si
80	2X/2Y ø6/24	9594	-36419	SLD 15	11187	4203	37582	2.5	1.17	2089	-24510	SLD 7	9611	4203	35951	2.5	4.6	Si
50	2X/2Y ø6/24	9594	-36571	SLD 15	11207	4203	37602	2.5	1.17	2089	-24662	SLD 7	9631	4203	35972	2.5	4.61	Si
20	2X/2Y ø6/24	9594	-36725	SLD 15	11228	4203	37623	2.5	1.17	2089	-24816	SLD 7	9652	4203	35993	2.5	4.62	Si
-10	2X/2Y ø6/24	9594	-36872	SLD 15	11247	4203	37644	2.5	1.17	2089	-24963	SLD 7	9671	4203	36013	2.5	4.63	Si
770	2X/2Y ø6/25	6002	-12403	SLD 13	8009	4034	34294	2.5	1.33	1372	-4351	SLD 7	6944	4034	33192	2.5	5.06	Si
741	2X/2Y ø6/25	6002	-12548	SLD 13	8028	4034	34314	2.5	1.34	1372	-4496	SLD 7	6963	4034	33211	2.5	5.08	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.43	112	0.468	0.163	0.447	SLV 15	No
320	0.432	113	0.47	0.163	0.449	SLV 15	No
290	0.433	113	0.47	0.163	0.449	SLV 15	No
260	0.434	114	0.472	0.164	0.451	SLV 15	No
230	0.435	114	0.472	0.164	0.451	SLV 15	No
200	0.436	115	0.474	0.165	0.453	SLV 15	No
170	0.438	116	0.475	0.166	0.455	SLV 15	No
140	0.438	117	0.477	0.166	0.457	SLV 15	No
110	0.439	117	0.477	0.166	0.457	SLV 15	No
80	0.44	118	0.479	0.167	0.459	SLV 15	No
50	0.441	118	0.479	0.167	0.459	SLV 15	No
20	0.442	119	0.48	0.168	0.46	SLV 15	No
-10	0.443	119	0.48	0.168	0.46	SLV 15	No
508	0.533	175	0.563	0.201	0.551	SLV 13	No
537	0.531	173	0.56	0.2	0.548	SLV 13	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.227	124	1.229	0.171	1.214	SLD 15	Si
320	1.229	125	1.233	0.172	1.219	SLD 15	Si
290	1.23	125	1.233	0.172	1.219	SLD 15	Si
260	1.234	126	1.237	0.173	1.225	SLD 15	Si
230	1.238	128	1.245	0.174	1.23	SLD 15	Si
200	1.242	128	1.245	0.174	1.23	SLD 15	Si
170	1.246	129	1.249	0.174	1.235	SLD 15	Si
140	1.246	129	1.249	0.174	1.235	SLD 15	Si
110	1.25	130	1.253	0.175	1.24	SLD 15	Si
80	1.254	131	1.257	0.176	1.245	SLD 15	Si
50	1.258	131	1.257	0.176	1.245	SLD 15	Si
20	1.262	132	1.261	0.176	1.25	SLD 15	Si
-10	1.264	132	1.261	0.176	1.25	SLD 15	Si
770	1.477	184	1.445	0.205	1.456	SLD 13	Si
741	1.48	185	1.448	0.206	1.46	SLD 13	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 71B

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
420	770	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	420	770	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	420	770	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	420	770	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	420	770	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2	-454	-443734	-62855	-1357	-1327553	SLU 30	2.992	Si
20	18.1	1.8	0	1,2	11755	-385960	-62663	36911	-1211924	SLU 30	3.14	Si
50	18.1	1.8	0	1,2	24498	-325657	-62463	80917	-1075653	SLU 30	3.303	Si
350	18.1	0.9	0	2	150094	268700	-60492	517968	927271	SLU 30	3.451	Si
80	18.1	0.9	0	2	37078	-266122	-62266	128780	-924287	SLU 30	3.473	Si
320	18.1	0.9	0	2	137723	210157	-60686	500236	763330	SLU 30	3.632	Si
110	18.1	0.9	0	2	49659	-206587	-62068	181310	-754271	SLU 30	3.651	Si
140	18.1	0.9	0	2	62240	-147052	-61871	227969	-538617	SLU 30	3.663	Si
170	18.1	0.9	0	2	74820	-87517	-61673	274926	-321581	SLU 30	3.674	Si
200	18.1	0.9	0	2	87374	-28110	-61476	322082	-103622	SLU 30	3.686	Si
230	18.1	0.9	0	2	99981	31552	-61279	369747	116686	SLU 30	3.698	Si
260	18.1	0.9	0	2	112562	91087	-61081	417618	337945	SLU 30	3.71	Si
290	18.1	0.9	0	2	125143	150622	-60884	465799	560638	SLU 30	3.722	Si
420	18.1	1.8	0	2,3	-202999	-19862	-18885	-1662764	-162687	SLU 20	8.191	Si
449	18.1	1.8	0	2,3	-186481	-15763	-19270	-1582599	-133773	SLU 25	8.487	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2	-24029	-3682137	-47668	-5810	-890307	SLV 15	0.242				No
20	18.1	1.8	0	1,2	20392	-3170646	-47520	6003	-933387	SLV 15	0.294				No
350	18.1	0.9	0	2	528657	2625391	-45850	198164	984115	SLV 15	0.375				No
50	18.1	1.8	0	1,2	67505	-2636770	-47366	25658	-1002227	SLV 15	0.38				No
420	18.1	1.8	0	2,3	-340895	-1764396	-15216	-155994	-807388	SLV 15	0.458				No
320	18.1	0.9	0	2	483236	2107105	-46000	249591	1088318	SLV 15	0.516				No
80	18.1	0.9	0	2	113706	-2109700	-47215	60396	-1120589	SLV 15	0.531				No
449	18.1	1.8	0	2,3	-319050	-1503633	-15071	-176261	-830691	SLV 15	0.552				No
770	18.1	0.9	0	3	-74804	1410482	-13449	-43786	825610	SLV 15	0.585				No
478	18.1	1.8	0	2,3	-296823	-1238325	-14923	-207785	-866863	SLV 15	0.7				No
290	18.1	0.9	0	2	1559597	800145	-47594	1151862	590958	SLV 11	0.739				No
741	18.1	0.9	0	3	-96716	1149725	-13595	-72881	866385	SLV 15	0.754				No
110	18.1	0.9	0	2	159900	-1582641	-47063	136658	-1352603	SLV 15	0.855				No
508	18.1	0.9	0	3	-985646	17460	-10342	-843293	14939	SLV 7	0.856				No
260	18.1	0.9	0	2	1393126	533137	-47746	1304877	499365	SLV 11	0.937				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2	-10894	-1812965	-46619	-7415	-1233983	SLD 15	0.681	No
20	18.1	1.8	0	1,2	14190	-1562646	-46471	12504	-1376979	SLD 15	0.881	No
350	18.1	0.9	0	2	300595	1273873	-44801	337883	1431895	SLD 15	1.124	Si
50	18.1	1.8	0	1,2	40702	-1301372	-46317	49088	-1569508	SLD 15	1.206	Si
420	18.1	1.8	0	2,3	-233891	-788006	-14948	-298870	-1006926	SLD 15	1.278	Si
320	18.1	0.9	0	2	824968	560122	-45593	1260254	855664	SLD 11	1.528	Si
449	18.1	1.8	0	2,3	-219601	-671457	-14803	-349254	-1067884	SLD 15	1.59	Si
80	18.1	0.9	0	2	66739	-1043429	-46165	113350	-1772181	SLD 15	1.698	Si
770	18.1	0.9	0	3	-59859	631017	-13181	-102139	1076727	SLD 15	1.706	Si
290	18.1	0.9	0	2	745710	417226	-45745	1399852	783219	SLD 11	1.877	Si
478	18.1	1.8	0	2,3	-520070	-296656	-13100	-1037199	-591634	SLD 11	1.994	Si
508	18.1	0.9	0	3	-478789	-233307	-12952	-1107775	-539804	SLD 11	2.314	Si
741	18.1	0.9	0	3	-74178	514470	-13326	-175416	1216619	SLD 15	2.365	Si
260	18.1	0.9	0	2	666452	274349	-45897	1576824	649109	SLD 11	2.366	Si
110	18.1	0.9	0	2	92772	-785490	-46014	220513	-1867061	SLD 15	2.377	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.335	69	0.384	0.128	0.352	SLV 15	No
20	0.405	99	0.445	0.153	0.422	SLV 15	No
350	0.483	142	0.516	0.182	0.501	SLV 15	No
50	0.505	156	0.537	0.19	0.523	SLV 15	No
420	0.53	173	0.56	0.2	0.548	SLV 15	No
320	0.622	243	0.644	0.232	0.637	SLV 15	No
80	0.654	271	0.673	0.243	0.668	SLV 15	No
449	0.623	244	0.645	0.232	0.639	SLV 15	No
770	0.648	266	0.668	0.241	0.663	SLV 15	No
478	0.757	373	0.767	0.279	0.767	SLV 15	No
290	0.789	408	0.796	0.29	0.797	SLV 11	No
741	0.801	421	0.806	0.294	0.808	SLV 15	No
110	0.9	552	0.901	0.329	0.904	SLV 15	No
508	0.875	515	0.876	0.32	0.879	SLV 7	No
260	0.953	633	0.953	0.347	0.954	SLV 11	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.759	48	0.833	0.107	0.755	SLD 15	No
20	0.915	69	0.966	0.129	0.911	SLD 15	No
350	1.092	98	1.116	0.153	1.086	SLD 15	Si
50	1.143	107	1.157	0.16	1.133	SLD 15	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	1.199	119	1.208	0.168	1.188	SLD 15	Si
320	1.404	165	1.382	0.195	1.385	SLD 15	Si
449	1.408	166	1.385	0.196	1.39	SLD 15	Si
80	1.479	184	1.445	0.205	1.456	SLD 15	Si
770	1.467	181	1.435	0.204	1.444	SLD 15	Si
290	1.785	278	1.711	0.246	1.742	SLD 11	Si
478	1.711	253	1.646	0.236	1.674	SLD 15	Si
508	1.979	348	1.876	0.271	1.919	SLD 7	Si
741	1.811	287	1.734	0.249	1.767	SLD 15	Si
260	2.154	418	2.023	0.293	2.079	SLD 11	Si
110	2.037	371	1.926	0.279	1.974	SLD 15	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-10	2X/2Y ø6/24	1989	-62754	SLU 29	12670	4203	40745	2.5	6.37	460	-55104	SLU 19	12670	4203	40139	2.5	27.55	Si
320	2X/2Y ø6/24	1989	-60586	SLU 29	12670	4203	40745	2.5	6.37	460	-52936	SLU 19	12670	4203	39843	2.5	27.55	Si
290	2X/2Y ø6/24	1989	-60783	SLU 29	12670	4203	40745	2.5	6.37	460	-53133	SLU 19	12670	4203	39870	2.5	27.55	Si
260	2X/2Y ø6/24	1989	-60981	SLU 29	12670	4203	40745	2.5	6.37	460	-53330	SLU 19	12670	4203	39897	2.5	27.55	Si
230	2X/2Y ø6/24	1989	-61178	SLU 29	12670	4203	40745	2.5	6.37	460	-53528	SLU 19	12670	4203	39924	2.5	27.55	Si
200	2X/2Y ø6/24	1989	-61376	SLU 29	12670	4203	40745	2.5	6.37	460	-53726	SLU 19	12670	4203	39951	2.5	27.55	Si
350	2X/2Y ø6/24	1989	-60392	SLU 29	12670	4203	40745	2.5	6.37	460	-52741	SLU 19	12670	4203	39816	2.5	27.55	Si
140	2X/2Y ø6/24	1989	-61770	SLU 29	12670	4203	40745	2.5	6.37	460	-54120	SLU 19	12670	4203	40005	2.5	27.55	Si
110	2X/2Y ø6/24	1989	-61968	SLU 29	12670	4203	40745	2.5	6.37	460	-54318	SLU 19	12670	4203	40032	2.5	27.55	Si
80	2X/2Y ø6/24	1989	-62165	SLU 29	12670	4203	40745	2.5	6.37	460	-54515	SLU 19	12670	4203	40059	2.5	27.55	Si
50	2X/2Y ø6/24	1989	-62363	SLU 29	12670	4203	40745	2.5	6.37	460	-54712	SLU 19	12670	4203	40086	2.5	27.55	Si
20	2X/2Y ø6/24	1989	-62563	SLU 29	12670	4203	40745	2.5	6.37	460	-54912	SLU 19	12670	4203	40113	2.5	27.55	Si
170	2X/2Y ø6/24	1989	-61573	SLU 29	12670	4203	40745	2.5	6.37	460	-53923	SLU 19	12670	4203	39978	2.5	27.55	Si
770	2X/2Y ø6/25	156	-16113	SLU 19	8500	4034	34802	2.5	54.52	401	-16588	SLU 20	8563	4034	34867	2.5	21.37	Si
741	2X/2Y ø6/25	156	-16301	SLU 19	8525	4034	34828	2.5	54.68	401	-16777	SLU 20	8588	4034	34893	2.5	21.43	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	21753	-46337	SLV 15	12500	4203	38939	2.5	0.57	7203	-47426	SLV 7	12644	4203	39088	2.5	1.76	No
320	2X/2Y ø6/24	21753	-46486	SLV 15	12519	4203	38960	2.5	0.58	7203	-47576	SLV 7	12664	4203	39109	2.5	1.76	No
290	2X/2Y ø6/24	21753	-46638	SLV 15	12540	4203	38981	2.5	0.58	7203	-47728	SLV 7	12670	4203	39130	2.5	1.76	No
260	2X/2Y ø6/24	21753	-46790	SLV 15	12560	4203	39001	2.5	0.58	7203	-47879	SLV 7	12670	4203	39150	2.5	1.76	No
230	2X/2Y ø6/24	21753	-46942	SLV 15	12580	4203	39022	2.5	0.58	7203	-48031	SLV 7	12670	4203	39171	2.5	1.76	No
200	2X/2Y ø6/24	21753	-47094	SLV 15	12600	4203	39043	2.5	0.58	7203	-48183	SLV 7	12670	4203	39192	2.5	1.76	No
170	2X/2Y ø6/24	21753	-47246	SLV 15	12620	4203	39064	2.5	0.58	7203	-48335	SLV 7	12670	4203	39213	2.5	1.76	No
140	2X/2Y ø6/24	21753	-47397	SLV 15	12640	4203	39084	2.5	0.58	7203	-48487	SLV 7	12670	4203	39234	2.5	1.76	No
110	2X/2Y ø6/24	21753	-47549	SLV 15	12660	4203	39105	2.5	0.58	7203	-48639	SLV 7	12670	4203	39254	2.5	1.76	No
-10	2X/2Y ø6/24	21753	-48154	SLV 15	12670	4203	39188	2.5	0.58	7203	-49244	SLV 7	12670	4203	39337	2.5	1.76	No
50	2X/2Y ø6/24	21753	-47853	SLV 15	12670	4203	39147	2.5	0.58	7203	-48943	SLV 7	12670	4203	39296	2.5	1.76	No
20	2X/2Y ø6/24	21753	-48007	SLV 15	12670	4203	39168	2.5	0.58	7203	-49096	SLV 7	12670	4203	39317	2.5	1.76	No
80	2X/2Y ø6/24	21753	-47701	SLV 15	12670	4203	39126	2.5	0.58	7203	-48791	SLV 7	12670	4203	39275	2.5	1.76	No
770	2X/2Y ø6/25	-11285	-12365	SLV 1	8004	4034	34289	2.5	0.71	3739	-7988	SLV 7	7425	4034	33689	2.5	1.99	No
741	2X/2Y ø6/25	-11285	-12510	SLV 1	8023	4034	34309	2.5	0.71	3739	-8133	SLV 7	7444	4034	33709	2.5	1.99	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	8598	-44801	SLD 15	12296	4203	38729	2.5	1.43	2747	-45191	SLD 7	12348	4203	38782	2.5	4.5	Si
320	2X/2Y ø6/24	8598	-44950	SLD 15	12316	4203	38749	2.5	1.43	2747	-45341	SLD 7	12368	4203	38803	2.5	4.5	Si
290	2X/2Y ø6/24	8598	-45102	SLD 15	12336	4203	38770	2.5	1.43	2747	-45493	SLD 7	12388	4203	38824	2.5	4.51	Si
260	2X/2Y ø6/24	8598	-45254	SLD 15	12356	4203	38791	2.5	1.44	2747	-45645	SLD 7	12408	4203	38845	2.5	4.52	Si
230	2X/2Y ø6/24	8598	-45406	SLD 15	12377	4203	38812	2.5	1.44	2747	-45796	SLD 7	12428	4203	38865	2.5	4.52	Si
200	2X/2Y ø6/24	8598	-45558	SLD 15	12397	4203	38833	2.5	1.44	2747	-45949	SLD 7	12448	4203	38886	2.5	4.53	Si
170	2X/2Y ø6/24	8598	-45710	SLD 15	12417	4203	38853	2.5	1.44	2747	-46100	SLD 7	12468	4203	38907	2.5	4.54	Si
140	2X/2Y ø6/24	8598	-45862	SLD 15	12437	4203	38874	2.5	1.45	2747	-46252	SLD 7	12488	4203	38928	2.5	4.55	Si
110	2X/2Y ø6/24	8598	-46014	SLD 15	12457	4203	38895	2.5	1.45	2747	-46404	SLD 7	12509	4203	38948	2.5	4.55	Si
80	2X/2Y ø6/24	8598	-46165	SLD 15	12477	4203	38916	2.5	1.45	2747	-46556	SLD 7	12529	4203	38969	2.5	4.56	Si
50	2X/2Y ø6/24	8598	-46317	SLD 15	12497	4203	38937	2.5	1.45	2747	-46708	SLD 7	12549	4203	38990	2.5	4.57	Si
20	2X/2Y ø6/24	8598	-46471	SLD 15	12517	4203	38958	2.5	1.46	2747	-46862	SLD 7	12569	4203	39011	2.5	4.58	Si
-10	2X/2Y ø6/24	8598	-46619	SLD 15	12537	4203	38978	2.5	1.46	2747	-47009	SLD 7	12589	4203	39031	2.5	4.58	Si
770	2X/2Y ø6/25	4066	-13181	SLD 15	8112	4034	34400	2.5	2	1500	-11220	SLD 7	7853	4034	34132	2.5	5.23	Si
741	2X/2Y ø6/25	4066	-13326	SLD 15	8131	4034	34420	2.5	2	1500	-11366	SLD 7	7872	4034	34152	2.5	5.25	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.536	177	0.565	0.202	0.554	SLV 15	No
320	0.537	177	0.565	0.202	0.554	SLV 15	No
290	0.539	179	0.568	0.203	0.557	SLV 15	No
260	0.539	179	0.568	0.203	0.557	SLV 15	No
230	0.541	180	0.569	0.203	0.558	SLV 15	No
200	0.541	180	0.569	0.203	0.558	SLV 15	No
170	0.543	181	0.57	0.204	0.56	SLV 15	No
140	0.543	181	0.57	0.204	0.56	SLV 15	No
110	0.545	183	0.573	0.205	0.563	SLV 15	No
-10	0.549	185	0.575	0.206	0.565	SLV 15	No
50	0.547	184	0.574	0.205	0.564	SLV 15	No
20	0.548	185	0.575	0.206	0.565	SLV 15	No
80	0.545	183	0.573	0.205	0.563	SLV 15	No
770	0.709	323	0.723	0.262	0.721	SLV 15	No
741	0.711	325	0.725	0.263	0.723	SLV 15	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.527	197	1.486	0.212	1.504	SLD 15	Si
320	1.531	199	1.492	0.213	1.508	SLD 15	Si
290	1.533	199	1.492	0.213	1.508	SLD 15	Si
260	1.535	200	1.495	0.213	1.512	SLD 15	Si
230	1.539	201	1.498	0.214	1.516	SLD 15	Si
200	1.543	202	1.501	0.214	1.519	SLD 15	Si
170	1.543	202	1.501	0.214	1.519	SLD 15	Si
140	1.547	203	1.504	0.215	1.523	SLD 15	Si
110	1.551	204	1.507	0.215	1.527	SLD 15	Si
80	1.555	204	1.507	0.215	1.527	SLD 15	Si
50	1.555	204	1.507	0.215	1.527	SLD 15	Si
20	1.559	206	1.513	0.216	1.531	SLD 15	Si
-10	1.563	207	1.516	0.217	1.535	SLD 15	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	2.022	364	1.911	0.276	1.959	SLD 15	Si
741	2.025	366	1.915	0.277	1.961	SLD 15	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 72

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-3572	230858	-45281	-16410	1060482	SLU 36	4.594	Si
20	18.1	1.8	0	1,2,3,4	-1449	210985	-45089	-6833	994634	SLU 36	4.714	Si
50	18.1	1.8	0	1,2,3,4	765	190242	-44889	3707	921758	SLU 36	4.845	Si
80	18.1	0.9	0	2,3,4	2950	169764	-44692	14673	844423	SLU 36	4.974	Si
110	18.1	0.9	0	2,3,4	5133	149285	-44494	26144	760341	SLU 36	5.093	Si
140	18.1	0.9	0	2,3,4	7315	128806	-44297	37422	658963	SLU 36	5.116	Si
170	18.1	0.9	0	2,3,4	9495	108328	-44099	48794	556678	SLU 36	5.139	Si
200	18.1	0.9	0	2,3,4	11669	87893	-43902	60235	453696	SLU 36	5.162	Si
230	18.1	0.9	0	2,3,4	13851	67371	-43704	71822	349335	SLU 36	5.185	Si
260	18.1	0.9	0	2,3,4	16027	46892	-43507	83482	244252	SLU 36	5.209	Si
290	18.1	0.9	0	2,3,4	18201	26414	-43309	95240	138211	SLU 36	5.233	Si
320	18.1	0.9	0	2,3,4	20374	5935	-43112	107098	31199	SLU 36	5.256	Si
350	18.1	0.9	0	2,3,4	22510	-14202	-42918	118857	-74990	SLU 36	5.28	Si
420	18.1	2.3	0	2,3,4,5	-20126	73776	-18294	-190503	698325	SLU 36	9.465	Si
449	18.1	2.3	0	2,3,4,5	-19829	62757	-18145	-195778	619602	SLU 36	9.873	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	29607	3013999	-26973	8020	816478	SLV 1	0.271				No
20	18.1	1.8	0	1,2,3,4	7696	2605884	-26825	2481	840045	SLV 1	0.322				No
50	18.1	1.8	0	1,2,3,4	-2485	2179911	-26672	-999	876373	SLV 1	0.402				No
350	18.1	0.9	0	2,3,4	-156462	-2018777	-25155	-68112	-878825	SLV 1	0.435				No
80	18.1	0.9	0	2,3,4	-19533	1759368	-26520	-10382	935142	SLV 1	0.532				No
320	18.1	0.9	0	2,3,4	-141420	-1605245	-25305	-83531	-948155	SLV 1	0.591				No
110	18.1	0.9	0	2,3,4	-35072	1338836	-26368	-27408	1046265	SLV 1	0.781				No
420	18.1	2.3	0	2,3,4,5	-204320	913251	-11907	-163636	731406	SLV 1	0.801				No
770	18.1	1.1	0	5	-10413	-806006	-10511	-9491	-734617	SLV 1	0.911				No
290	18.1	0.9	0	2,3,4	35151	-990337	-13487	32060	-903242	SLV 3	0.912				No
449	18.1	2.3	0	2,3,4,5	-188771	772209	-11793	-186474	762810	SLV 1	0.988				No
741	18.1	1.1	0	5	-22083	-664992	-10626	-25767	-775931	SLV 1	1.167				Si
478	18.1	2.3	0	2,3,4,5	-172963	628751	-11676	-222023	807094	SLV 1	1.284				Si
140	18.1	0.9	0	2,3,4	7263	779032	-14246	9423	1010707	SLV 3	1.297				Si
712	18.1	1.1	0	5	-38983	-521585	-10743	-63531	-850038	SLV 1	1.63				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	11593	1422819	-30423	8909	1093314	SLD 1	0.768	No
20	18.1	1.8	0	1,2,3,4	2842	1234811	-30275	2744	1192079	SLD 1	0.965	No
50	18.1	1.8	0	1,2,3,4	-700	1038575	-30121	-912	1352599	SLD 1	1.302	Si
350	18.1	0.9	0	2,3,4	-59049	-895649	-28605	-94833	-1438417	SLD 1	1.606	Si
80	18.1	0.9	0	2,3,4	-7216	844842	-29970	-13420	1571320	SLD 1	1.86	Si
420	18.1	2.3	0	2,3,4,5	-97490	430525	-12694	-223714	987939	SLD 1	2.295	Si
320	18.1	0.9	0	2,3,4	-53349	-705144	-28755	-128111	-1693314	SLD 1	1.801	Si
770	18.1	1.1	0	5	-11182	-378264	-11298	-30877	-1044538	SLD 1	2.761	Si
110	18.1	0.9	0	2,3,4	-13110	651113	-29818	-36551	1815391	SLD 1	2.788	Si
449	18.1	2.3	0	2,3,4,5	-90568	364168	-12579	-263751	1060521	SLD 1	2.912	Si
290	18.1	0.9	0	2,3,4	76917	557181	-34377	254499	1843573	SLD 15	3.309	Si
741	18.1	1.1	0	5	-16386	-311919	-11412	-62275	-1185469	SLD 1	3.801	Si
478	18.1	2.3	0	2,3,4,5	-83530	296672	-12462	-322374	1144968	SLD 1	3.859	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
140	18.1	0.9	0	2,3,4	-18752	457395	-29666	-77934	1900960	SLD 1	4.156	Si
260	18.1	0.9	0	2,3,4	67657	390938	-34529	291068	1681850	SLD 15	4.302	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.371	84	0.416	0.141	0.389	SLV 1	No
20	0.433	113	0.47	0.163	0.449	SLV 1	No
50	0.521	166	0.55	0.196	0.538	SLV 1	No
350	0.576	206	0.601	0.216	0.594	SLV 1	No
80	0.648	266	0.668	0.241	0.663	SLV 1	No
320	0.719	333	0.732	0.266	0.73	SLV 1	No
110	0.854	485	0.854	0.312	0.858	SLV 1	No
420	0.835	461	0.837	0.306	0.84	SLV 1	No
770	0.927	592	0.927	0.338	0.929	SLV 1	No
290	0.95	629	0.95	0.346	0.952	SLV 3	No
449	0.99	695	0.99	0.36	0.991	SLV 1	No
741	1.129	956	1.128	0.409	1.124	SLV 1	Si
478	1.215	1159	1.221	0.438	1.204	SLV 1	Si
140	1.158	1022	1.16	0.419	1.152	SLV 3	Si
712	1.443	1834	1.474	0.516	1.417	SLV 1	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.839	59	0.906	0.119	0.841	SLD 1	No
20	0.978	79	1.022	0.138	0.977	SLD 1	Si
50	1.178	115	1.192	0.165	1.172	SLD 1	Si
350	1.302	141	1.295	0.182	1.289	SLD 1	Si
80	1.465	181	1.435	0.204	1.444	SLD 1	Si
420	1.891	315	1.801	0.26	1.839	SLD 1	Si
320	1.625	226	1.572	0.225	1.594	SLD 1	Si
770	2.096	395	1.976	0.286	2.027	SLD 1	Si
110	1.93	330	1.836	0.265	1.876	SLD 1	Si
449	2.242	457	2.098	0.305	2.159	SLD 1	Si
290	2.148	416	2.019	0.293	2.074	SLD 3	Si
741	2.556	623	2.382	0.345	1.846	SLD 1	Si
478	2.752	745	2.563	0.371	2.626	SLD 1	Si
140	2.617	659	1.838	0.353	2.501	SLD 3	Si
260	2.922	863	2.723	0.393	2.783	SLD 3	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-683	-42918	SLU 36	12047	4223	38471	2.5	17.65	83	-38102	SLU 19	11410	4223	37812	2.5	136.8	Si
320	2X/2Y ø6/23.9	-683	-43112	SLU 36	12073	4223	38498	2.5	17.69	83	-38296	SLU 19	11436	4223	37839	2.5	137.02	Si
290	2X/2Y ø6/23.9	-683	-43309	SLU 36	12099	4223	38525	2.5	17.72	84	-38493	SLU 19	11462	4223	37866	2.5	137.26	Si
260	2X/2Y ø6/23.9	-683	-43507	SLU 36	12125	4223	38552	2.5	17.76	84	-38691	SLU 19	11488	4223	37893	2.5	137.49	Si
230	2X/2Y ø6/23.9	-683	-43704	SLU 36	12151	4223	38579	2.5	17.8	84	-38888	SLU 19	11514	4223	37920	2.5	137.72	Si
200	2X/2Y ø6/23.9	-683	-43902	SLU 36	12178	4223	38606	2.5	17.84	84	-39086	SLU 19	11540	4223	37947	2.5	137.95	Si
170	2X/2Y ø6/23.9	-683	-44099	SLU 36	12204	4223	38633	2.5	17.88	84	-39283	SLU 19	11566	4223	37974	2.5	138.18	Si
140	2X/2Y ø6/23.9	-683	-44297	SLU 36	12230	4223	38660	2.5	17.92	84	-39481	SLU 19	11592	4223	38001	2.5	138.41	Si
110	2X/2Y ø6/23.9	-683	-44494	SLU 36	12256	4223	38687	2.5	17.95	84	-39678	SLU 19	11618	4223	38028	2.5	138.64	Si
80	2X/2Y ø6/23.9	-683	-44692	SLU 36	12282	4223	38714	2.5	17.99	84	-39875	SLU 19	11645	4223	38055	2.5	138.87	Si
50	2X/2Y ø6/23.9	-683	-44889	SLU 36	12308	4223	38741	2.5	18.03	84	-40073	SLU 19	11671	4223	38082	2.5	139.1	Si
20	2X/2Y ø6/23.9	-683	-45089	SLU 36	12335	4223	38768	2.5	18.07	84	-40273	SLU 19	11697	4223	38109	2.5	139.33	Si
-10	2X/2Y ø6/23.9	-683	-45281	SLU 36	12360	4223	38795	2.5	18.11	84	-40464	SLU 19	11723	4223	38135	2.5	139.56	Si
770	2X/2Y ø6/24.8	-383	-16033	SLU 32	7250	3562	27483	2.5	18.95	18	-12672	SLU 12	6812	3562	27031	2.5	386.71	Si
741	2X/2Y ø6/24.8	-383	-16182	SLU 32	7269	3562	27503	2.5	19	18	-12787	SLU 12	6827	3562	27046	2.5	387.56	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-14743	-8466	SLV 3	7488	4223	33755	2.5	0.51	1436	-1604	SLV 7	6580	4223	32816	2.5	4.58	No
320	2X/2Y ø6/23.9	-14743	-8615	SLV 3	7508	4223	33775	2.5	0.51	1436	-1754	SLV 7	6600	4223	32836	2.5	4.6	No
290	2X/2Y ø6/23.9	-14743	-8767	SLV 3	7528	4223	33796	2.5	0.51	1436	-1905	SLV 7	6620	4223	32857	2.5	4.61	No
260	2X/2Y ø6/23.9	-14743	-8919	SLV 3	7548	4223	33817	2.5	0.51	1436	-2057	SLV 7	6640	4223	32878	2.5	4.62	No
230	2X/2Y ø6/23.9	-14743	-9071	SLV 3	7568	4223	33838	2.5	0.51	1436	-2209	SLV 7	6660	4223	32898	2.5	4.64	No
200	2X/2Y ø6/23.9	-14743	-9223	SLV 3	7588	4223	33858	2.5	0.51	1436	-2361	SLV 7	6680	4223	32919	2.5	4.65	No
170	2X/2Y ø6/23.9	-14743	-9374	SLV 3	7608	4223	33879	2.5	0.52	1436	-2513	SLV 7	6700	4223	32940	2.5	4.67	No
140	2X/2Y ø6/23.9	-14743	-9526	SLV 3	7628	4223	33900	2.5	0.52	1436	-2665	SLV 7	6720	4223	32961	2.5	4.68	No
110	2X/2Y ø6/23.9	-14743	-9678	SLV 3	7649	4223	33921	2.5	0.52	1436	-2817	SLV 7	6741	4223	32982	2.5	4.69	No
80	2X/2Y ø6/23.9	-14743	-9830	SLV 3	7669	4223	33942	2.5	0.52	1436	-2969	SLV 7	6761	4223	33002	2.5	4.71	No
50	2X/2Y ø6/23.9	-14743	-9982	SLV 3	7689	4223	33962	2.5	0.52	1436	-3120	SLV 7	6781	4223	33023	2.5	4.72	No
20	2X/2Y ø6/23.9	-14743	-10136	SLV 3	7709	4223	33983	2.5	0.52	1436	-3274	SLV 7	6801	4223	33044	2.5	4.73	No
-10	2X/2Y ø6/23.9	-14743	-10283	SLV 3	7729	4223	34004	2.5	0.52	1436	-3422	SLV 7	6821	4223	33064	2.5	4.75	No
770	2X/2Y ø6/24.8	-6138	-10148	SLV 1	6484	3562	26691	2.5	1.06	-1335	-7591	SLV 11	6151	3562	26347	2.5	4.61	Si
741	2X/2Y ø6/24.8	-6138	-10263	SLV 1	6499	3562	26706	2.5	1.06	-1335	-7706	SLV 11	6166	3562	26362	2.5	4.62	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-6458	-28605	SLD 1	10153	4223	36512	2.5	1.57	600	-24129	SLD 11	9561	4223	35899	2.5	15.94	Si
320	2X/2Y ø6/23.9	-6458	-28755	SLD 1	10173	4223	36532	2.5	1.58	600	-24278	SLD 11	9581	4223	35920	2.5	15.97	Si
290	2X/2Y ø6/23.9	-6458	-28906	SLD 1	10193	4223	36553	2.5	1.58	600	-24430	SLD 11	9601	4223	35940	2.5	16	Si
260	2X/2Y ø6/23.9	-6458	-29058	SLD 1	10213	4223	36574	2.5	1.58	600	-24582	SLD 11	9621	4223	35961	2.5	16.03	Si
230	2X/2Y ø6/23.9	-6458	-29210	SLD 1	10233	4223	36595	2.5	1.58	600	-24734	SLD 11	9641	4223	35982	2.5	16.07	Si
200	2X/2Y ø6/23.9	-6458	-29362	SLD 1	10253	4223	36616	2.5	1.59	600	-24886	SLD 11	9661	4223	36003	2.5	16.1	Si
170	2X/2Y ø6/23.9	-6458	-29514	SLD 1	10273	4223	36636	2.5	1.59	600	-25038	SLD 11	9681	4223	36023	2.5	16.13	Si
140	2X/2Y ø6/23.9	-6458	-29666	SLD 1	10294	4223	36657	2.5	1.59	600	-25189	SLD 11	9701	4223	36044	2.5	16.16	Si
110	2X/2Y ø6/23.9	-6458	-29818	SLD 1	10314	4223	36678	2.5	1.6	600	-25341	SLD 11	9721	4223	36065	2.5	16.2	Si
80	2X/2Y ø6/23.9	-6458	-29970	SLD 1	10334	4223	36699	2.5	1.6	600	-25493	SLD 11	9741	4223	36086	2.5	16.23	Si
50	2X/2Y ø6/23.9	-6458	-30121	SLD 1	10354	4223	36719	2.5	1.6	600	-25645	SLD 11	9761	4223	36107	2.5	16.26	Si
20	2X/2Y ø6/23.9	-6458	-30275	SLD 1	10374	4223	36741	2.5	1.61	600	-25799	SLD 11	9782	4223	36128	2.5	16.29	Si
-10	2X/2Y ø6/23.9	-6458	-30423	SLD 1	10394	4223	36761	2.5	1.61	600	-25946	SLD 11	9801	4223	36148	2.5	16.33	Si
770	2X/2Y ø6/24.8	-2316	-11298	SLD 1	6634	3562	26846	2.5	2.86	-466	-10393	SLD 11	6516	3562	26724	2.5	13.98	Si
741	2X/2Y ø6/24.8	-2316	-11412	SLD 1	6648	3562	26861	2.5	2.87	-466	-10508	SLD 11	6531	3562	26740	2.5	14.01	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.555	190	0.582	0.208	0.572	SLV 1	No
320	0.557	191	0.583	0.209	0.574	SLV 1	No
290	0.558	192	0.584	0.209	0.575	SLV 1	No
260	0.559	192	0.584	0.209	0.575	SLV 1	No
230	0.56	193	0.586	0.21	0.576	SLV 1	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
200	0.561	194	0.587	0.21	0.578	SLV 1	No
170	0.562	195	0.588	0.211	0.579	SLV 1	No
140	0.563	195	0.588	0.211	0.579	SLV 1	No
110	0.564	197	0.59	0.212	0.582	SLV 1	No
80	0.565	197	0.59	0.212	0.582	SLV 1	No
50	0.566	198	0.592	0.212	0.583	SLV 1	No
20	0.567	199	0.593	0.213	0.585	SLV 1	No
-10	0.568	200	0.594	0.213	0.586	SLV 1	No
770	1.057	814	1.056	0.384	1.054	SLV 1	Si
741	1.059	817	1.058	0.384	1.056	SLV 1	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.582	213	1.534	0.219	1.554	SLD 1	Si
320	1.584	214	1.537	0.22	1.557	SLD 1	Si
290	1.586	214	1.537	0.22	1.557	SLD 1	Si
260	1.59	215	1.54	0.22	1.561	SLD 1	Si
230	1.594	216	1.543	0.221	1.565	SLD 1	Si
200	1.598	218	1.549	0.221	1.569	SLD 1	Si
170	1.6	219	1.552	0.222	1.572	SLD 1	Si
140	1.602	219	1.552	0.222	1.572	SLD 1	Si
110	1.605	220	1.555	0.222	1.576	SLD 1	Si
80	1.609	221	1.557	0.223	1.58	SLD 1	Si
50	1.613	222	1.56	0.223	1.583	SLD 1	Si
20	1.615	223	1.563	0.224	1.587	SLD 1	Si
-10	1.617	223	1.563	0.224	1.587	SLD 1	Si
770	3.016	931	2.809	0.405	2.868	SLD 1	Si
741	3.021	935	2.814	0.405	2.873	SLD 1	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 73

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-549260	414818	-18031	-1041777	786782	SLU 20	1.897	Si
20	18.1	1.8	0	1,2,3,4	-469479	363852	-17839	-1076200	834069	SLU 20	2.292	Si
420	18.1	2.3	0	2,3,4,5	-298261	224975	-10503	-812904	613166	SLU 20	2.725	Si
350	18.1	0.9	0	2,3,4	426269	-185130	-13448	1217246	-528653	SLU 19	2.856	Si
50	18.1	1.8	0	1,2,3,4	-386205	310655	-17639	-1106616	890137	SLU 20	2.865	Si
449	18.1	2.3	0	2,3,4,5	-256387	191318	-10354	-843753	629617	SLU 20	3.291	Si
770	18.1	1.1	0	5	211532	-184777	-8689	780259	-681570	SLU 20	3.689	Si
80	18.1	0.9	0	2,3,4	-303993	258136	-17442	-1132704	961837	SLU 20	3.726	Si
320	18.1	0.9	0	2,3,4	353707	-162017	-15862	1399316	-640963	SLU 20	3.956	Si
478	18.1	2.3	0	2,3,4,5	-213782	157075	-10203	-874206	642315	SLU 20	4.089	Si
741	18.1	1.1	0	5	169658	-151120	-8838	803901	-716063	SLU 20	4.738	Si
110	18.1	0.9	0	2,3,4	-221780	205617	-17244	-1151970	1068013	SLU 20	5.194	Si
508	18.1	1.1	0	5	-171178	122831	-10051	-920705	660663	SLU 20	5.379	Si
290	18.1	0.9	0	2,3,4	271495	-109498	-16060	1556542	-627778	SLU 20	5.733	Si
712	18.1	1.1	0	5	127053	-116876	-8989	836293	-769305	SLU 20	6.582	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
350	18.1	0.9	0	2,3,4	2332472	-1125246	-12694	748818	-361250	SLV 7	0.321				No
-10	18.1	1.8	0	1,2,3,4	-1904466	2171631	-14511	-616927	703472	SLV 7	0.324				No
20	18.1	1.8	0	1,2,3,4	-1562314	1906370	-14364	-596301	727619	SLV 7	0.382				No
320	18.1	0.9	0	2,3,4	1985808	-862021	-12843	766344	-332663	SLV 7	0.386				No
420	18.1	2.3	0	2,3,4,5	-1581093	680138	-6830	-624325	268566	SLV 7	0.395				No

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
50	18.1	1.8	0	1,2,3,4	-1205884	1629698	-14210	-562606	760337	SLV 7	0.467				No
449	18.1	2.3	0	2,3,4,5	-1351211	577607	-6715	-630758	269632	SLV 7	0.467				No
290	18.1	0.9	0	2,3,4	1634226	-604669	-12995	791830	-292980	SLV 7	0.485				No
770	18.1	1.1	0	5	1217616	-568602	-5434	624621	-291686	SLV 7	0.513				No
478	18.1	2.3	0	2,3,4,5	-1117320	473297	-6598	-640265	271217	SLV 7	0.573				No
80	18.1	0.9	0	2,3,4	-856036	1356859	-14058	-504319	799371	SLV 7	0.589				No
260	18.1	0.9	0	2,3,4	1221493	293443	-8885	784909	188561	SLV 11	0.643				No
741	18.1	1.1	0	5	987735	-466076	-5548	635778	-300001	SLV 7	0.644				No
508	18.1	1.1	0	5	-883429	369007	-6482	-655232	273689	SLV 7	0.742				No
110	18.1	0.9	0	2,3,4	-456222	1084577	-13906	-365910	869877	SLV 7	0.802				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-1072155	1131753	-14061	-698993	737847	SLD 7	0.652	No
350	18.1	0.9	0	2,3,4	1213393	-582794	-12244	820153	-393921	SLD 7	0.676	No
20	18.1	1.8	0	1,2,3,4	-887447	993640	-13914	-692043	774854	SLD 7	0.78	No
420	18.1	2.3	0	2,3,4,5	-821923	390169	-7826	-675419	320623	SLD 7	0.822	No
320	18.1	0.9	0	2,3,4	1026246	-445306	-12393	855787	-371341	SLD 7	0.834	No
50	18.1	1.8	0	1,2,3,4	-694963	849571	-13760	-675031	825204	SLD 7	0.971	No
449	18.1	2.3	0	2,3,4,5	-703160	331368	-7711	-690376	325343	SLD 7	0.982	No
770	18.1	1.1	0	5	623955	-325906	-6430	677945	-354106	SLD 7	1.087	Si
290	18.1	0.9	0	2,3,4	836350	-310060	-12545	914365	-338982	SLD 7	1.093	Si
478	18.1	2.3	0	2,3,4,5	-582327	271546	-7594	-712742	332361	SLD 7	1.224	Si
80	18.1	0.9	0	2,3,4	-505835	707474	-13608	-640576	895927	SLD 7	1.266	Si
741	18.1	1.1	0	5	505193	-267108	-6544	702375	-371363	SLD 7	1.39	Si
260	18.1	0.9	0	2,3,4	619393	108712	-10811	984783	172843	SLD 11	1.59	Si
508	18.1	1.1	0	5	-461493	211733	-7478	-748289	343315	SLD 7	1.621	Si
110	18.1	0.9	0	2,3,4	-294593	565623	-13456	-538876	1034649	SLD 7	1.829	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.275	47	0.328	0.105	0.288	SLV 7	No
-10	0.245	37	0.297	0.092	0.254	SLV 7	No
20	0.321	63	0.37	0.122	0.336	SLV 7	No
320	0.361	79	0.406	0.137	0.377	SLV 7	No
420	0.348	74	0.395	0.133	0.365	SLV 7	No
50	0.428	111	0.467	0.162	0.445	SLV 7	No
449	0.433	113	0.47	0.163	0.449	SLV 7	No
290	0.484	143	0.518	0.183	0.502	SLV 7	No
770	0.486	144	0.519	0.183	0.504	SLV 7	No
478	0.555	190	0.582	0.208	0.572	SLV 7	No
80	0.578	207	0.603	0.216	0.595	SLV 7	No
260	0.666	282	0.684	0.247	0.68	SLV 11	No
741	0.633	252	0.653	0.236	0.648	SLV 7	No
508	0.738	353	0.75	0.272	0.749	SLV 7	No
110	0.81	431	0.814	0.297	0.816	SLV 7	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.554	25	0.637	0.076	0.536	SLD 7	No
350	0.622	33	0.714	0.087	0.617	SLD 7	No
20	0.727	44	0.804	0.101	0.718	SLD 7	No
420	0.787	51	0.854	0.11	0.782	SLD 7	No
320	0.816	56	0.887	0.115	0.817	SLD 7	No
50	0.965	77	1.011	0.136	0.963	SLD 7	Si
449	0.979	79	1.022	0.138	0.977	SLD 7	Si
770	1.1	99	1.121	0.154	1.092	SLD 7	Si
290	1.094	98	1.116	0.153	1.086	SLD 7	Si
478	1.254	131	1.257	0.176	1.245	SLD 7	Si
80	1.307	142	1.299	0.183	1.294	SLD 7	Si
741	1.432	172	1.405	0.199	1.411	SLD 7	Si
260	1.504	191	1.467	0.209	1.48	SLD 11	Si
508	1.668	239	1.608	0.231	1.635	SLD 7	Si
110	1.828	292	1.746	0.251	1.781	SLD 7	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-1751	-15668	SLU 20	8441	4223	34741	2.5	4.82	2740	-15668	SLU 20	8441	4223	34741	2.5	3.08	Si
320	2X/2Y ø6/23.9	-1751	-15862	SLU 20	8467	4223	34767	2.5	4.84	2740	-15862	SLU 20	8467	4223	34767	2.5	3.09	Si
290	2X/2Y ø6/23.9	-1751	-16060	SLU 20	8493	4223	34794	2.5	4.85	2740	-16060	SLU 20	8493	4223	34794	2.5	3.1	Si
260	2X/2Y ø6/23.9	-1751	-16257	SLU 20	8519	4223	34821	2.5	4.87	2740	-16257	SLU 20	8519	4223	34821	2.5	3.11	Si
230	2X/2Y ø6/23.9	-1751	-16454	SLU 20	8545	4223	34848	2.5	4.88	2740	-16454	SLU 20	8545	4223	34848	2.5	3.12	Si
200	2X/2Y ø6/23.9	-1751	-16652	SLU 20	8571	4223	34876	2.5	4.9	2740	-16652	SLU 20	8571	4223	34876	2.5	3.13	Si
170	2X/2Y ø6/23.9	-1751	-16849	SLU 20	8598	4223	34903	2.5	4.91	2740	-16849	SLU 20	8598	4223	34903	2.5	3.14	Si
140	2X/2Y ø6/23.9	-1751	-17047	SLU 20	8624	4223	34930	2.5	4.93	2740	-17047	SLU 20	8624	4223	34930	2.5	3.15	Si
110	2X/2Y ø6/23.9	-1751	-17244	SLU 20	8650	4223	34957	2.5	4.94	2740	-17244	SLU 20	8650	4223	34957	2.5	3.16	Si
80	2X/2Y ø6/23.9	-1751	-17442	SLU 20	8676	4223	34984	2.5	4.96	2740	-17442	SLU 20	8676	4223	34984	2.5	3.17	Si
50	2X/2Y ø6/23.9	-1751	-17639	SLU 20	8702	4223	35011	2.5	4.97	2740	-17639	SLU 20	8702	4223	35011	2.5	3.18	Si
20	2X/2Y ø6/23.9	-1751	-17839	SLU 20	8728	4223	35038	2.5	4.99	2740	-17839	SLU 20	8728	4223	35038	2.5	3.19	Si
-10	2X/2Y ø6/23.9	-1751	-18031	SLU 20	8754	4223	35064	2.5	5	2740	-18031	SLU 20	8754	4223	35064	2.5	3.19	Si
770	2X/2Y ø6/24.8	-1221	-9438	SLU 29	6391	3562	26595	2.5	5.23	1461	-8689	SLU 20	6294	3562	26495	2.5	4.31	Si
741	2X/2Y ø6/24.8	-1221	-9587	SLU 29	6411	3562	26615	2.5	5.25	1461	-8838	SLU 20	6313	3562	26515	2.5	4.32	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	10874	-3435	SLV 13	6822	4223	33066	2.5	0.63	14313	-12904	SLV 7	8075	4223	34362	2.5	0.56	No
320	2X/2Y ø6/23.9	10874	-3584	SLV 13	6842	4223	33087	2.5	0.63	14313	-13054	SLV 7	8095	4223	34383	2.5	0.57	No
290	2X/2Y ø6/23.9	10874	-3736	SLV 13	6862	4223	33107	2.5	0.63	14313	-13205	SLV 7	8115	4223	34404	2.5	0.57	No
260	2X/2Y ø6/23.9	10874	-3888	SLV 13	6882	4223	33128	2.5	0.63	14313	-13357	SLV 7	8135	4223	34425	2.5	0.57	No
230	2X/2Y ø6/23.9	10874	-4040	SLV 13	6902	4223	33149	2.5	0.63	14313	-13509	SLV 7	8156	4223	34445	2.5	0.57	No
200	2X/2Y ø6/23.9	10874	-4192	SLV 13	6923	4223	33170	2.5	0.64	14313	-13661	SLV 7	8176	4223	34466	2.5	0.57	No
170	2X/2Y ø6/23.9	10874	-4343	SLV 13	6943	4223	33191	2.5	0.64	14313	-13813	SLV 7	8196	4223	34487	2.5	0.57	No
140	2X/2Y ø6/23.9	10874	-4495	SLV 13	6963	4223	33211	2.5	0.64	14313	-13965	SLV 7	8216	4223	34508	2.5	0.57	No
110	2X/2Y ø6/23.9	10874	-4647	SLV 13	6983	4223	33232	2.5	0.64	14313	-14117	SLV 7	8236	4223	34528	2.5	0.58	No
80	2X/2Y ø6/23.9	10874	-4799	SLV 13	7003	4223	33253	2.5	0.64	14313	-14269	SLV 7	8256	4223	34549	2.5	0.58	No
50	2X/2Y ø6/23.9	10874	-4951	SLV 13	7023	4223	33274	2.5	0.65	14313	-14420	SLV 7	8276	4223	34570	2.5	0.58	No
20	2X/2Y ø6/23.9	10874	-5105	SLV 13	7043	4223	33295	2.5	0.65	14313	-14574	SLV 7	8296	4223	34591	2.5	0.58	No
-10	2X/2Y ø6/23.9	10874	-5252	SLV 13	7063	4223	33315	2.5	0.65	14313	-14722	SLV 7	8316	4223	34611	2.5	0.58	No
770	2X/2Y ø6/24.8	-9015	-9731	SLV 3	6430	3562	26635	2.5	0.71	9826	-4970	SLV 7	5810	3562	25994	2.5	0.59	No
741	2X/2Y ø6/24.8	-9015	-9845	SLV 3	6445	3562	26650	2.5	0.71	9826	-5084	SLV 7	5825	3562	26009	2.5	0.59	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-5545	-14852	SLD 3	8333	4223	34629	2.5	1.5	6358	-12244	SLD 7	7988	4223	34272	2.5	1.26	Si
320	2X/2Y ø6/23.9	-5545	-15001	SLD 3	8353	4223	34650	2.5	1.51	6358	-12393	SLD 7	8008	4223	34292	2.5	1.26	Si
290	2X/2Y ø6/23.9	-5545	-15153	SLD 3	8373	4223	34670	2.5	1.51	6358	-12545	SLD 7	8028	4223	34313	2.5	1.26	Si
260	2X/2Y ø6/23.9	-5545	-15305	SLD 3	8393	4223	34691	2.5	1.51	6358	-12697	SLD 7	8048	4223	34334	2.5	1.27	Si
230	2X/2Y ø6/23.9	-5545	-15457	SLD 3	8413	4223	34712	2.5	1.52	6358	-12849	SLD 7	8068	4223	34355	2.5	1.27	Si
200	2X/2Y ø6/23.9	-5545	-15609	SLD 3	8433	4223	34733	2.5	1.52	6358	-13001	SLD 7	8088	4223	34376	2.5	1.27	Si
170	2X/2Y ø6/23.9	-5545	-15760	SLD 3	8453	4223	34753	2.5	1.52	6358	-13152	SLD 7	8108	4223	34396	2.5	1.28	Si
140	2X/2Y ø6/23.9	-5545	-15912	SLD 3	8474	4223	34774	2.5	1.53	6358	-13304	SLD 7	8128	4223	34417	2.5	1.28	Si
110	2X/2Y ø6/23.9	-5545	-16064	SLD 3	8494	4223	34795	2.5	1.53	6358	-13456	SLD 7	8148	4223	34438	2.5	1.28	Si
80	2X/2Y ø6/23.9	-5545	-16216	SLD 3	8514	4223	34816	2.5	1.54	6358	-13608	SLD 7	8169	4223	34459	2.5	1.28	Si
50	2X/2Y ø6/23.9	-5545	-16368	SLD 3	8534	4223	34837	2.5	1.54	6358	-13760	SLD 7	8189	4223	34480	2.5	1.29	Si
20	2X/2Y ø6/23.9	-5545	-16522	SLD 3	8554	4223	34858	2.5	1.54	6358	-13914	SLD 7	8209	4223	34501	2.5	1.29	Si
-10	2X/2Y ø6/23.9	-5545	-16669	SLD 3	8574	4223	34878	2.5	1.55	6358	-14061	SLD 7	8229	4223	34521	2.5	1.29	Si
770	2X/2Y ø6/24.8	-3711	-8100	SLD 3	6217	3562	26415	2.5	1.68	4143	-6430	SLD 7	6000	3562	26191	2.5	1.45	Si
741	2X/2Y ø6/24.8	-3711	-8214	SLD 3	6232	3562	26431	2.5	1.68	4143	-6544	SLD 7	6015	3562	26206	2.5	1.45	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.485	143	0.518	0.183	0.502	SLV 7	No
320	0.487	145	0.521	0.184	0.506	SLV 7	No
290	0.488	145	0.521	0.184	0.506	SLV 7	No
260	0.49	146	0.522	0.185	0.507	SLV 7	No
230	0.492	148	0.525	0.186	0.51	SLV 7	No
200	0.494	149	0.527	0.186	0.512	SLV 7	No
170	0.496	150	0.528	0.187	0.514	SLV 7	No
140	0.497	151	0.529	0.187	0.515	SLV 7	No
110	0.499	152	0.531	0.188	0.517	SLV 7	No
80	0.5	153	0.532	0.189	0.518	SLV 7	No
50	0.502	154	0.534	0.189	0.52	SLV 7	No
20	0.504	155	0.535	0.19	0.521	SLV 7	No
-10	0.506	156	0.537	0.19	0.523	SLV 7	No
770	0.557	191	0.583	0.209	0.574	SLV 7	No
741	0.558	192	0.584	0.209	0.575	SLV 7	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.383	161	1.368	0.193	1.368	SLD 7	Si
320	1.387	161	1.368	0.193	1.368	SLD 7	Si
290	1.391	162	1.371	0.194	1.372	SLD 7	Si
260	1.398	164	1.378	0.195	1.381	SLD 7	Si
230	1.402	165	1.382	0.195	1.385	SLD 7	Si
200	1.406	166	1.385	0.196	1.39	SLD 7	Si
170	1.41	167	1.388	0.197	1.394	SLD 7	Si
140	1.414	167	1.388	0.197	1.394	SLD 7	Si
110	1.422	169	1.395	0.198	1.402	SLD 7	Si
80	1.426	171	1.402	0.199	1.407	SLD 7	Si
50	1.43	172	1.405	0.199	1.411	SLD 7	Si
20	1.434	173	1.409	0.2	1.415	SLD 7	Si
-10	1.438	174	1.412	0.2	1.419	SLD 7	Si
770	1.586	214	1.537	0.22	1.557	SLD 7	Si
741	1.59	215	1.54	0.22	1.561	SLD 7	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 73A

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2,3,4	408139	103988	-21250	1694072	431626	SLU 30	4.151	Si
320	18.1	0.9	0	2,3,4	344652	91279	-21445	1720709	455721	SLU 30	4.993	Si
-10	18.1	1.8	0	1,2,3,4	-367822	-50264	-23821	-1839175	-251331	SLU 36	5	Si
20	18.1	1.8	0	1,2,3,4	-305236	-37705	-23630	-1781432	-220056	SLU 36	5.836	Si
290	18.1	0.9	0	2,3,4	280088	78355	-21642	1687734	472145	SLU 30	6.026	Si
50	18.1	1.8	0	1,2,3,4	-239911	-24596	-23430	-1624434	-166540	SLU 36	6.771	Si
260	18.1	0.9	0	2,3,4	215524	65430	-21839	1544933	469023	SLU 30	7.168	Si
420	18.1	2.3	0	2,3,4,5	-171188	-57432	-11977	-1230190	-412716	SLU 30	7.186	Si
449	18.1	2.3	0	2,3,4,5	-161012	-48715	-11828	-1255912	-379985	SLU 30	7.8	Si
80	18.1	0.9	0	2,3,4	-175418	-11654	-23232	-1379651	-91659	SLU 36	7.865	Si
230	18.1	0.9	0	2,3,4	150960	52506	-22037	1264435	439788	SLU 30	8.376	Si
478	18.1	2.3	0	2,3,4,5	-146958	-43359	-12707	-1242778	-366671	SLU 36	8.457	Si
508	18.1	1.1	0	5	-137170	-33623	-12555	-1246714	-305598	SLU 36	9.089	Si
110	18.1	0.9	0	2,3,4	-110925	1288	-23035	-1016326	11800	SLU 36	9.162	Si
537	18.1	1.1	0	5	-127381	-23888	-12403	-1234130	-231439	SLU 36	9.688	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	2,3,4,5	63933	-1458959	-3191	26812	-611851	SLV 13	0.419				No
350	18.1	0.9	0	2,3,4	1539326	583729	-6404	736584	279321	SLV 11	0.479				No
449	18.1	2.3	0	2,3,4,5	57847	-1246435	-3076	28519	-614504	SLV 13	0.493				No
320	18.1	0.9	0	2,3,4	1400455	532434	-6554	743597	282705	SLV 11	0.531				No
770	18.1	1.1	0	5	-2725	1128406	-1795	-1466	606898	SLV 13	0.538				No
290	18.1	0.9	0	2,3,4	1258600	480270	-6706	752536	287161	SLV 11	0.598				No
478	18.1	2.3	0	2,3,4,5	51679	-1030204	-2959	31019	-618365	SLV 13	0.6				No
741	18.1	1.1	0	5	820	915883	-1909	548	611614	SLV 13	0.668				No
260	18.1	0.9	0	2,3,4	1115900	428109	-6857	764121	293151	SLV 11	0.685				No
508	18.1	1.1	0	5	45541	-813974	-2843	34931	-624348	SLV 13	0.767				No
230	18.1	0.9	0	2,3,4	1010899	375949	-7009	776312	288707	SLV 11	0.768				No
712	18.1	1.1	0	5	5304	699653	-2026	4695	619348	SLV 13	0.885				No
200	18.1	0.9	0	2,3,4	869718	323681	-7161	796089	296279	SLV 11	0.915				No
537	18.1	1.1	0	5	39442	-597745	-2726	41896	-634933	SLV 13	1.062				Si
170	18.1	0.9	0	2,3,4	727521	271643	-7313	825281	308145	SLV 11	1.134				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2,3,4	852257	297308	-11473	886796	309357	SLD 11	1.041	Si
420	18.1	2.3	0	2,3,4,5	-42757	-665413	-6686	-44704	-695726	SLD 13	1.046	Si
320	18.1	0.9	0	2,3,4	764507	269731	-11622	919984	324586	SLD 11	1.203	Si
449	18.1	2.3	0	2,3,4,5	-41280	-568344	-6571	-51885	-714356	SLD 13	1.257	Si
770	18.1	1.1	0	5	-21487	516352	-5290	-29067	698507	SLD 13	1.353	Si
290	18.1	0.9	0	2,3,4	674991	241687	-11774	964190	345238	SLD 11	1.428	Si
478	18.1	2.3	0	2,3,4,5	-39767	-469582	-6455	-62933	-743134	SLD 13	1.583	Si
741	18.1	1.1	0	5	-24088	419283	-5405	-42050	731919	SLD 13	1.746	Si
260	18.1	0.9	0	2,3,4	585101	213645	-11926	1021701	373065	SLD 11	1.746	Si
230	18.1	0.9	0	2,3,4	511894	185603	-12078	1090386	395353	SLD 11	2.13	Si
508	18.1	1.1	0	5	-38240	-370820	-6338	-81675	-792008	SLD 13	2.136	Si
712	18.1	1.1	0	5	-26347	320522	-5521	-65295	794328	SLD 13	1.878	Si
200	18.1	0.9	0	2,3,4	422619	157503	-12230	1201264	447690	SLD 11	2.842	Si
537	18.1	1.1	0	5	-36697	-272058	-6221	-119970	-889423	SLD 13	3.269	Si
170	18.1	0.9	0	2,3,4	333010	129525	-12382	1353604	526490	SLD 11	4.065	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.459	128	0.495	0.173	0.477	SLV 13	No
350	0.462	130	0.498	0.175	0.48	SLV 11	No
449	0.535	176	0.564	0.201	0.553	SLV 13	No
320	0.533	175	0.563	0.201	0.551	SLV 11	No
770	0.572	202	0.597	0.214	0.589	SLV 13	No
290	0.616	238	0.638	0.23	0.632	SLV 11	No
478	0.642	260	0.662	0.239	0.656	SLV 13	No
741	0.7	313	0.714	0.259	0.712	SLV 13	No
260	0.715	329	0.729	0.264	0.726	SLV 11	No
508	0.799	419	0.805	0.293	0.806	SLV 13	No
230	0.803	424	0.809	0.295	0.81	SLV 11	No
712	0.9	552	0.901	0.329	0.904	SLV 13	No
200	0.934	603	0.934	0.341	0.936	SLV 11	No
537	1.051	803	1.051	0.382	1.049	SLV 13	Si
170	1.094	885	1.093	0.397	1.09	SLV 11	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	1.043	89	1.073	0.146	1.036	SLD 11	Si
420	1.039	89	1.073	0.146	1.036	SLD 13	Si
320	1.203	120	1.213	0.168	1.193	SLD 11	Si
449	1.211	122	1.221	0.17	1.204	SLD 13	Si
770	1.295	140	1.292	0.181	1.284	SLD 13	Si
290	1.393	163	1.375	0.194	1.377	SLD 11	Si
478	1.451	177	1.422	0.202	1.432	SLD 13	Si
741	1.584	214	1.537	0.22	1.557	SLD 13	Si
260	1.615	223	1.563	0.224	1.587	SLD 11	Si
230	1.813	287	1.734	0.249	1.767	SLD 11	Si
508	1.805	284	1.726	0.248	1.761	SLD 13	Si
712	2.037	371	1.926	0.279	1.974	SLD 13	Si
200	2.11	400	1.986	0.288	2.04	SLD 11	Si
537	2.377	523	2.217	0.322	2.28	SLD 13	Si
170	1.874	575	2.305	0.334	2.369	SLD 11	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	431	-21250	SLU 30	9180	4223	35505	2.5	21.31	2152	-21250	SLU 30	9180	4223	35505	2.5	4.27	Si
320	2X/2Y ø6/23.9	431	-21445	SLU 30	9206	4223	35532	2.5	21.37	2152	-21445	SLU 30	9206	4223	35532	2.5	4.28	Si
290	2X/2Y ø6/23.9	431	-21642	SLU 30	9232	4223	35559	2.5	21.43	2152	-21642	SLU 30	9232	4223	35559	2.5	4.29	Si
260	2X/2Y ø6/23.9	431	-21839	SLU 30	9258	4223	35586	2.5	21.49	2152	-21839	SLU 30	9258	4223	35586	2.5	4.3	Si
230	2X/2Y ø6/23.9	431	-22037	SLU 30	9284	4223	35613	2.5	21.55	2152	-22037	SLU 30	9284	4223	35613	2.5	4.31	Si
200	2X/2Y ø6/23.9	431	-22235	SLU 30	9310	4223	35640	2.5	21.61	2152	-22235	SLU 30	9310	4223	35640	2.5	4.33	Si
170	2X/2Y ø6/23.9	431	-22432	SLU 30	9336	4223	35667	2.5	21.67	2152	-22432	SLU 30	9336	4223	35667	2.5	4.34	Si
140	2X/2Y ø6/23.9	431	-22629	SLU 30	9362	4223	35694	2.5	21.73	2152	-22629	SLU 30	9362	4223	35694	2.5	4.35	Si

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
110	2X/2Y ø6/23.9	431	-22827	SLU 30	9388	4223	35721	2.5	21.79	2152	-22827	SLU 30	9388	4223	35721	2.5	4.36	Si
80	2X/2Y ø6/23.9	431	-23024	SLU 30	9415	4223	35748	2.5	21.85	2152	-23024	SLU 30	9415	4223	35748	2.5	4.37	Si
50	2X/2Y ø6/23.9	431	-23221	SLU 30	9441	4223	35775	2.5	21.91	2152	-23221	SLU 30	9441	4223	35775	2.5	4.39	Si
20	2X/2Y ø6/23.9	431	-23421	SLU 30	9467	4223	35802	2.5	21.98	2152	-23421	SLU 30	9467	4223	35802	2.5	4.4	Si
-10	2X/2Y ø6/23.9	431	-23613	SLU 30	9493	4223	35828	2.5	22.03	2152	-23613	SLU 30	9493	4223	35828	2.5	4.41	Si
770	2X/2Y ø6/24.8	334	-11192	SLU 36	6620	3562	26832	2.5	19.83	364	-9787	SLU 20	6437	3562	26642	2.5	17.69	Si
741	2X/2Y ø6/24.8	334	-11342	SLU 36	6639	3562	26852	2.5	19.89	364	-9936	SLU 20	6456	3562	26662	2.5	17.74	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	9291	-164	SLV 13	5185	3562	25347	2.5	0.56	1667	-11601	SLV 11	6673	3562	26887	2.5	4	No
741	2X/2Y ø6/24.8	9291	-279	SLV 13	5200	3562	25363	2.5	0.56	1667	-11715	SLV 11	6688	3562	26902	2.5	4.01	No
712	2X/2Y ø6/24.8	9291	-396	SLV 13	5215	3562	25378	2.5	0.56	1667	-11832	SLV 11	6703	3562	26918	2.5	4.02	No
683	2X/2Y ø6/24.8	9291	-512	SLV 13	5230	3562	25394	2.5	0.56	1667	-11949	SLV 11	6718	3562	26933	2.5	4.03	No
653	2X/2Y ø6/24.8	9291	-629	SLV 13	5245	3562	25410	2.5	0.56	1667	-12065	SLV 11	6733	3562	26949	2.5	4.04	No
624	2X/2Y ø6/24.8	9291	-746	SLV 13	5260	3562	25425	2.5	0.57	1667	-12182	SLV 11	6749	3562	26965	2.5	4.05	No
595	2X/2Y ø6/24.8	9291	-862	SLV 13	5276	3562	25441	2.5	0.57	1667	-12299	SLV 11	6764	3562	26981	2.5	4.06	No
566	2X/2Y ø6/24.8	9291	-979	SLV 13	5291	3562	25457	2.5	0.57	1667	-12415	SLV 11	6779	3562	26996	2.5	4.07	No
537	2X/2Y ø6/24.8	9291	-1096	SLV 13	5306	3562	25473	2.5	0.57	1667	-12532	SLV 11	6794	3562	27012	2.5	4.08	No
508	2X/2Y ø6/24.8	9291	-1212	SLV 13	5321	3562	25488	2.5	0.57	1667	-12649	SLV 11	6809	3562	27028	2.5	4.08	No
478	2X/2Y ø6/24.8	9291	-1329	SLV 13	5336	3562	25504	2.5	0.57	1667	-12765	SLV 11	6825	3562	27043	2.5	4.09	No
449	2X/2Y ø6/24.8	9291	-1446	SLV 13	5352	3562	25520	2.5	0.58	1667	-12882	SLV 11	6840	3562	27059	2.5	4.1	No
420	2X/2Y ø6/24.8	9291	-1560	SLV 13	5366	3562	25535	2.5	0.58	1667	-12997	SLV 11	6855	3562	27075	2.5	4.11	No
350	2X/2Y ø6/23.9	4574	-1050	SLV 15	6507	4223	32740	2.5	1.42	5440	-4040	SLV 11	6902	4223	33149	2.5	1.27	Si
320	2X/2Y ø6/23.9	4574	-1199	SLV 15	6527	4223	32760	2.5	1.43	5440	-4190	SLV 11	6922	4223	33169	2.5	1.27	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	3386	-5290	SLD 13	5852	3562	26037	2.5	1.73	789	-10628	SLD 7	6546	3562	26756	2.5	8.3	Si
741	2X/2Y ø6/24.8	3386	-5405	SLD 13	5867	3562	26053	2.5	1.73	789	-10743	SLD 7	6561	3562	26771	2.5	8.32	Si
712	2X/2Y ø6/24.8	3386	-5521	SLD 13	5882	3562	26068	2.5	1.74	789	-10860	SLD 7	6577	3562	26787	2.5	8.34	Si
683	2X/2Y ø6/24.8	3386	-5638	SLD 13	5897	3562	26084	2.5	1.74	789	-10976	SLD 7	6592	3562	26803	2.5	8.36	Si
653	2X/2Y ø6/24.8	3386	-5755	SLD 13	5912	3562	26100	2.5	1.75	789	-11093	SLD 7	6607	3562	26818	2.5	8.38	Si
624	2X/2Y ø6/24.8	3386	-5871	SLD 13	5927	3562	26115	2.5	1.75	789	-11210	SLD 7	6622	3562	26834	2.5	8.4	Si
595	2X/2Y ø6/24.8	3386	-5988	SLD 13	5943	3562	26131	2.5	1.75	789	-11326	SLD 7	6637	3562	26850	2.5	8.42	Si
566	2X/2Y ø6/24.8	3386	-6105	SLD 13	5958	3562	26147	2.5	1.76	789	-11443	SLD 7	6652	3562	26865	2.5	8.44	Si
537	2X/2Y ø6/24.8	3386	-6221	SLD 13	5973	3562	26162	2.5	1.76	789	-11560	SLD 7	6668	3562	26881	2.5	8.45	Si
508	2X/2Y ø6/24.8	3386	-6338	SLD 13	5988	3562	26178	2.5	1.77	789	-11676	SLD 7	6683	3562	26897	2.5	8.47	Si
478	2X/2Y ø6/24.8	3386	-6455	SLD 13	6003	3562	26194	2.5	1.77	789	-11793	SLD 7	6698	3562	26913	2.5	8.49	Si
449	2X/2Y ø6/24.8	3386	-6571	SLD 13	6018	3562	26210	2.5	1.78	789	-11910	SLD 7	6713	3562	26928	2.5	8.51	Si
420	2X/2Y ø6/24.8	3386	-6686	SLD 13	6033	3562	26225	2.5	1.78	789	-12024	SLD 7	6728	3562	26944	2.5	8.53	Si
350	2X/2Y ø6/23.9	1799	-10423	SLD 15	7747	4223	34023	2.5	4.31	3091	-14022	SLD 7	8223	4223	34516	2.5	2.66	Si
320	2X/2Y ø6/23.9	1799	-10572	SLD 15	7767	4223	34043	2.5	4.32	3091	-14171	SLD 7	8243	4223	34536	2.5	2.67	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.595	220	0.618	0.222	0.611	SLV 13	No
741	0.596	221	0.619	0.223	0.612	SLV 13	No
712	0.598	223	0.621	0.224	0.614	SLV 13	No
683	0.599	223	0.621	0.224	0.614	SLV 13	No
653	0.601	225	0.624	0.224	0.617	SLV 13	No
624	0.602	226	0.625	0.225	0.618	SLV 13	No
595	0.604	227	0.626	0.225	0.619	SLV 13	No
566	0.605	229	0.628	0.226	0.621	SLV 13	No
537	0.606	230	0.629	0.227	0.622	SLV 13	No
508	0.607	231	0.63	0.227	0.624	SLV 13	No
478	0.609	232	0.631	0.227	0.625	SLV 13	No
449	0.611	234	0.634	0.228	0.627	SLV 13	No
420	0.612	235	0.635	0.229	0.628	SLV 13	No
350	1.273	1313	1.285	0.458	1.259	SLV 11	Si
320	1.277	1324	1.29	0.46	1.263	SLV 11	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	1.693	247	1.63	0.234	1.658	SLD 13	Si
741	1.699	250	1.638	0.235	1.664	SLD 13	Si
712	1.703	251	1.641	0.235	1.667	SLD 13	Si
683	1.707	252	1.644	0.236	1.67	SLD 13	Si
653	1.711	253	1.646	0.236	1.674	SLD 13	Si
624	1.715	254	1.649	0.237	1.677	SLD 13	Si
595	1.719	256	1.654	0.238	1.683	SLD 13	Si
566	1.723	257	1.657	0.238	1.686	SLD 13	Si
537	1.727	259	1.662	0.238	1.69	SLD 13	Si
508	1.73	260	1.665	0.239	1.693	SLD 13	Si
478	1.736	262	1.67	0.24	1.699	SLD 13	Si
449	1.74	263	1.673	0.24	1.702	SLD 13	Si
420	1.746	264	1.675	0.241	1.705	SLD 13	Si
350	3.625	1516	3.43	0.482	3.417	SLD 11	Si
320	3.637	1529	3.442	0.484	3.428	SLD 11	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 73B

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2,3,4	407409	88052	-13202	1374246	297010	SLU 20	3.373	Si
320	18.1	0.9	0	2,3,4	354915	81219	-13396	1500752	343434	SLU 20	4.228	Si
420	18.1	2.3	0	2,3,4,5	-204465	-102004	-10294	-1040548	-519110	SLU 30	5.089	Si
290	18.1	0.9	0	2,3,4	301531	74271	-13594	1628576	401140	SLU 20	5.401	Si
449	18.1	2.3	0	2,3,4,5	-191580	-87001	-10145	-1086406	-493362	SLU 30	5.671	Si
478	18.1	2.3	0	2,3,4,5	-178470	-71736	-9993	-1138881	-457774	SLU 30	6.381	Si
260	18.1	0.9	0	2,3,4	248147	67323	-13791	1696931	460382	SLU 20	6.838	Si
508	18.1	1.1	0	5	-165360	-56471	-9842	-1203598	-411035	SLU 30	7.279	Si
-10	18.1	1.8	0	1,2,3,4	-242467	5251	-16249	-1899711	41142	SLU 30	7.835	Si
537	18.1	1.1	0	5	-152250	-41207	-9690	-1275092	-345105	SLU 30	8.375	Si
230	18.1	0.9	0	2,3,4	194763	60375	-13989	1674393	519047	SLU 20	8.597	Si
20	18.1	1.8	0	1,2,3,4	-191210	12935	-16050	-1748229	118267	SLU 36	9.143	Si
566	18.1	1.1	0	5	-143284	-19938	-9251	-1379992	-192030	SLU 21	9.631	Si
200	18.1	0.9	0	2,3,4	141264	53412	-14187	1519987	574705	SLU 20	10.76	Si
50	18.1	1.8	0	1,2,3,4	-137678	20978	-15850	-1484351	226170	SLU 36	10.781	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
350	18.1	0.9	0	2,3,4	1753690	-447581	-13105	787740	-201049	SLV 7	0.449				No
320	18.1	0.9	0	2,3,4	1595136	-410995	-13255	801001	-206382	SLV 7	0.502				No
420	18.1	2.3	0	2,3,4,5	-430375	1175198	-2695	-222247	606877	SLV 3	0.516				No
290	18.1	0.9	0	2,3,4	1433902	-373790	-13406	818126	-213269	SLV 7	0.571				No
449	18.1	2.3	0	2,3,4,5	-400158	1005711	-2580	-242157	608609	SLV 3	0.605				No
260	18.1	0.9	0	2,3,4	1272678	-336585	-13558	840635	-222323	SLV 7	0.661				No
770	18.1	1.1	0	5	-54495	-888251	-1299	-37099	-604700	SLV 3	0.681				No
478	18.1	2.3	0	2,3,4,5	-369427	833267	-2463	-270916	611069	SLV 3	0.733				No
230	18.1	0.9	0	2,3,4	1111468	-299382	-13710	871523	-234751	SLV 7	0.784				No
741	18.1	1.1	0	5	-97183	-718765	-1413	-82232	-608185	SLV 3	0.846				No
508	18.1	1.1	0	5	-338713	660824	-2347	-315078	614713	SLV 3	0.93				No
200	18.1	0.9	0	2,3,4	949933	-262101	-13862	914927	-252442	SLV 7	0.963				No
712	18.1	1.1	0	5	-125878	-546325	-1530	-141584	-614488	SLV 3	1.125				Si
537	18.1	1.1	0	5	-574339	253825	-7278	-711795	314572	SLV 7	1.239				Si
170	18.1	0.9	0	2,3,4	789129	-224982	-14014	981096	-279713	SLV 7	1.243				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2,3,4	945964	-163119	-11429	869105	-149866	SLD 7	0.919	No
320	18.1	0.9	0	2,3,4	853712	-149630	-11578	898181	-157424	SLD 7	1.052	Si
290	18.1	0.9	0	2,3,4	759899	-135912	-11730	937852	-167739	SLD 7	1.234	Si
420	18.1	2.3	0	2,3,4,5	-36478	-599128	-10204	-48197	-791605	SLD 13	1.321	Si
260	18.1	0.9	0	2,3,4	666091	-122194	-11882	993886	-182328	SLD 7	1.492	Si
449	18.1	2.3	0	2,3,4,5	-35537	-512331	-10090	-57887	-834541	SLD 13	1.629	Si
770	18.1	1.1	0	5	-28541	457599	-8808	-51592	827178	SLD 13	1.808	Si
230	18.1	0.9	0	2,3,4	572290	-108477	-12034	1075440	-203848	SLD 7	1.879	Si
478	18.1	2.3	0	2,3,4,5	-239918	347068	-5367	-479133	693118	SLD 3	1.997	Si
508	18.1	1.1	0	5	-350401	133162	-7483	-825856	313847	SLD 7	2.357	Si
741	18.1	1.1	0	5	-23994	370802	-8923	-59261	915832	SLD 13	1.87	Si
200	18.1	0.9	0	2,3,4	478296	-94731	-12186	1190441	-235779	SLD 7	1.889	Si
537	18.1	1.1	0	5	-319300	100146	-7366	-865160	271352	SLD 7	2.71	Si
566	18.1	1.1	0	5	-288204	67137	-7250	-914526	213040	SLD 7	3.173	Si
712	18.1	1.1	0	5	-87169	-225814	-4434	-309786	-802507	SLD 3	3.554	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.399	97	0.442	0.152	0.417	SLV 7	No
320	0.469	133	0.503	0.177	0.486	SLV 7	No
420	0.567	199	0.593	0.213	0.585	SLV 13	No
290	0.555	190	0.582	0.208	0.572	SLV 7	No
449	0.658	275	0.677	0.245	0.672	SLV 3	No
260	0.66	277	0.679	0.245	0.674	SLV 7	No
770	0.726	340	0.739	0.268	0.737	SLV 3	No
478	0.773	391	0.782	0.285	0.783	SLV 3	No
230	0.794	413	0.8	0.292	0.801	SLV 7	No
741	0.871	510	0.872	0.319	0.876	SLV 3	No
508	0.941	615	0.942	0.343	0.943	SLV 3	No
200	0.967	656	0.967	0.352	0.968	SLV 7	No
712	1.1	897	1.099	0.399	1.096	SLV 3	Si
537	1.211	1150	1.217	0.437	1.201	SLV 3	Si
170	1.199	1120	1.204	0.433	1.19	SLV 7	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.902	68	0.961	0.128	0.904	SLD 7	No
320	1.061	93	1.092	0.149	1.055	SLD 7	Si
290	1.254	131	1.257	0.176	1.245	SLD 7	Si
420	1.283	136	1.276	0.179	1.27	SLD 13	Si
260	1.492	187	1.454	0.207	1.468	SLD 7	Si
449	1.488	186	1.451	0.207	1.464	SLD 3	Si
770	1.641	232	1.589	0.227	1.611	SLD 3	Si
230	1.793	281	1.719	0.247	1.751	SLD 7	Si
478	1.75	266	1.68	0.242	1.712	SLD 3	Si
508	2.131	409	2.005	0.291	2.06	SLD 3	Si
741	1.969	344	1.867	0.27	1.911	SLD 3	Si
200	2.184	431	2.048	0.297	2.105	SLD 7	Si
537	2.74	737	2.552	0.369	2.614	SLD 3	Si
566	3.221	1108	3.016	0.431	3.056	SLD 7	Si
712	1.888	584	2.32	0.336	2.384	SLD 3	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	283	-13886	SLU 30	8205	4203	34497	2.5	28.99	1779	-13202	SLU 20	8115	4203	34403	2.5	4.56	Si
320	2X/2Y ø6/24	283	-14080	SLU 30	8231	4203	34523	2.5	29.08	1779	-13396	SLU 20	8141	4203	34430	2.5	4.57	Si
290	2X/2Y ø6/24	283	-14278	SLU 30	8257	4203	34551	2.5	29.17	1779	-13594	SLU 20	8167	4203	34457	2.5	4.59	Si
260	2X/2Y ø6/24	283	-14475	SLU 30	8283	4203	34578	2.5	29.26	1779	-13791	SLU 20	8193	4203	34484	2.5	4.6	Si
230	2X/2Y ø6/24	283	-14673	SLU 30	8309	4203	34605	2.5	29.35	1779	-13989	SLU 20	8219	4203	34511	2.5	4.62	Si
200	2X/2Y ø6/24	283	-14871	SLU 30	8336	4203	34632	2.5	29.45	1779	-14187	SLU 20	8245	4203	34538	2.5	4.63	Si
170	2X/2Y ø6/24	283	-15068	SLU 30	8362	4203	34659	2.5	29.54	1779	-14384	SLU 20	8271	4203	34565	2.5	4.65	Si
140	2X/2Y ø6/24	283	-15265	SLU 30	8388	4203	34686	2.5	29.63	1779	-14581	SLU 20	8297	4203	34592	2.5	4.66	Si
110	2X/2Y ø6/24	283	-15463	SLU 30	8414	4203	34713	2.5	29.72	1779	-14778	SLU 20	8323	4203	34619	2.5	4.68	Si
80	2X/2Y ø6/24	283	-15660	SLU 30	8440	4203	34740	2.5	29.82	1779	-14976	SLU 20	8350	4203	34646	2.5	4.69	Si
50	2X/2Y ø6/24	283	-15857	SLU 30	8466	4203	34767	2.5	29.91	1779	-15173	SLU 20	8376	4203	34673	2.5	4.71	Si
20	2X/2Y ø6/24	283	-16057	SLU 30	8493	4203	34794	2.5	30	1779	-15373	SLU 20	8402	4203	34700	2.5	4.72	Si
-10	2X/2Y ø6/24	283	-16249	SLU 30	8518	4203	34820	2.5	30.09	1779	-15565	SLU 20	8428	4203	34727	2.5	4.74	Si
770	2X/2Y ø6/25	513	-6630	SLU 12	6026	3526	26218	2.5	11.75	470	-8169	SLU 20	6226	3526	26425	2.5	13.24	Si
741	2X/2Y ø6/25	513	-6745	SLU 12	6041	3526	26233	2.5	11.78	470	-8319	SLU 20	6246	3526	26445	2.5	13.28	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-7524	55	SLV 3	5163	3526	25325	2.5	0.69	2400	-6305	SLV 7	5984	3526	26174	2.5	1.89	No
741	2X/2Y ø6/25	-7524	-60	SLV 3	5171	3526	25333	2.5	0.69	2400	-6420	SLV 7	5999	3526	26189	2.5	2.5	No
712	2X/2Y ø6/25	-7524	-176	SLV 3	5186	3526	25349	2.5	0.69	2400	-6536	SLV 7	6014	3526	26205	2.5	2.51	No
683	2X/2Y ø6/25	-7524	-293	SLV 3	5202	3526	25364	2.5	0.69	2400	-6653	SLV 7	6029	3526	26221	2.5	2.51	No
653	2X/2Y ø6/25	-7524	-410	SLV 3	5217	3526	25380	2.5	0.69	2400	-6770	SLV 7	6044	3526	26236	2.5	2.52	No
624	2X/2Y ø6/25	-7524	-526	SLV 3	5232	3526	25396	2.5	0.7	2400	-6886	SLV 7	6059	3526	26252	2.5	2.53	No
595	2X/2Y ø6/25	-7524	-643	SLV 3	5247	3526	25412	2.5	0.7	2400	-7003	SLV 7	6075	3526	26268	2.5	2.53	No
566	2X/2Y ø6/25	-7524	-760	SLV 3	5262	3526	25427	2.5	0.7	2400	-7120	SLV 7	6090	3526	26283	2.5	2.54	No
537	2X/2Y ø6/25	-7524	-876	SLV 3	5277	3526	25443	2.5	0.7	2400	-7236	SLV 7	6105	3526	26299	2.5	2.54	No
508	2X/2Y ø6/25	-7524	-993	SLV 3	5293	3526	25459	2.5	0.7	2400	-7353	SLV 7	6120	3526	26315	2.5	2.55	No
478	2X/2Y ø6/25	-7524	-1110	SLV 3	5308	3526	25474	2.5	0.71	2400	-7470	SLV 7	6135	3526	26331	2.5	2.56	No
449	2X/2Y ø6/25	-7524	-1226	SLV 3	5323	3526	25490	2.5	0.71	2400	-7586	SLV 7	6151	3526	26346	2.5	2.56	No
420	2X/2Y ø6/25	-7524	-1341	SLV 3	5338	3526	25506	2.5	0.71	2400	-7701	SLV 7	6165	3526	26362	2.5	2.57	No
350	2X/2Y ø6/24	3872	-6606	SLV 13	7242	4203	33500	2.5	1.87	6424	-13887	SLV 7	8205	4203	34497	2.5	1.28	Si
320	2X/2Y ø6/24	3872	-6756	SLV 13	7262	4203	33521	2.5	1.88	6424	-14036	SLV 7	8225	4203	34517	2.5	1.28	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	3028	-8808	SLD 13	6310	3526	26511	2.5	2.08	1067	-6435	SLD 7	6001	3526	26191	2.5	5.62	Si
741	2X/2Y ø6/25	3028	-8923	SLD 13	6325	3526	26526	2.5	2.09	1067	-6550	SLD 7	6016	3526	26207	2.5	5.64	Si
712	2X/2Y ø6/25	3028	-9040	SLD 13	6340	3526	26542	2.5	2.09	1067	-6666	SLD 7	6031	3526	26222	2.5	5.65	Si
683	2X/2Y ø6/25	3028	-9156	SLD 13	6355	3526	26558	2.5	2.1	1067	-6783	SLD 7	6046	3526	26238	2.5	5.67	Si
653	2X/2Y ø6/25	3028	-9273	SLD 13	6370	3526	26573	2.5	2.1	1067	-6900	SLD 7	6061	3526	26254	2.5	5.68	Si
624	2X/2Y ø6/25	3028	-9390	SLD 13	6385	3526	26589	2.5	2.11	1067	-7016	SLD 7	6076	3526	26269	2.5	5.7	Si
595	2X/2Y ø6/25	3028	-9506	SLD 13	6400	3526	26605	2.5	2.11	1067	-7133	SLD 7	6092	3526	26285	2.5	5.71	Si
566	2X/2Y ø6/25	3028	-9623	SLD 13	6416	3526	26620	2.5	2.12	1067	-7250	SLD 7	6107	3526	26301	2.5	5.72	Si
537	2X/2Y ø6/25	3028	-9740	SLD 13	6431	3526	26636	2.5	2.12	1067	-7366	SLD 7	6122	3526	26317	2.5	5.74	Si
508	2X/2Y ø6/25	3028	-9856	SLD 13	6446	3526	26652	2.5	2.13	1067	-7483	SLD 7	6137	3526	26332	2.5	5.75	Si
478	2X/2Y ø6/25	3028	-9973	SLD 13	6461	3526	26668	2.5	2.13	1067	-7600	SLD 7	6152	3526	26348	2.5	5.77	Si
449	2X/2Y ø6/25	3028	-10090	SLD 13	6476	3526	26683	2.5	2.14	1067	-7716	SLD 7	6167	3526	26364	2.5	5.78	Si
420	2X/2Y ø6/25	3028	-10204	SLD 13	6491	3526	26699	2.5	2.14	1067	-7831	SLD 7	6182	3526	26379	2.5	5.79	Si
350	2X/2Y ø6/24	1466	-8872	SLD 13	7542	4203	33810	2.5	5.14	3128	-11429	SLD 7	7880	4203	34160	2.5	2.52	Si
320	2X/2Y ø6/24	1466	-9021	SLD 13	7562	4203	33831	2.5	5.16	3128	-11578	SLD 7	7900	4203	34181	2.5	2.53	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.727	341	0.739	0.268	0.738	SLV 3	No
741	0.729	343	0.741	0.269	0.74	SLV 3	No
712	0.73	345	0.743	0.27	0.741	SLV 3	No
683	0.732	347	0.745	0.27	0.743	SLV 3	No
653	0.733	348	0.746	0.271	0.744	SLV 3	No
624	0.735	350	0.747	0.271	0.746	SLV 3	No
595	0.737	352	0.749	0.272	0.748	SLV 3	No
566	0.739	354	0.751	0.273	0.75	SLV 3	No
537	0.74	355	0.752	0.273	0.751	SLV 3	No
508	0.742	357	0.753	0.274	0.752	SLV 3	No
478	0.744	359	0.755	0.274	0.754	SLV 3	No
449	0.746	361	0.757	0.275	0.756	SLV 3	No
420	0.748	363	0.759	0.276	0.758	SLV 3	No
350	1.391	1660	1.415	0.498	1.368	SLV 7	Si
320	1.395	1673	1.419	0.499	1.372	SLV 7	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	2.069	384	1.953	0.283	2.002	SLD 3	Si
741	2.075	386	1.958	0.283	2.007	SLD 3	Si
712	2.081	388	1.962	0.284	2.012	SLD 3	Si
683	2.084	389	1.964	0.284	2.015	SLD 3	Si
653	2.09	391	1.968	0.285	2.02	SLD 3	Si
624	2.096	395	1.976	0.286	2.027	SLD 3	Si
595	2.102	397	1.98	0.287	2.032	SLD 3	Si
566	2.104	398	1.982	0.287	2.035	SLD 3	Si
537	2.11	400	1.986	0.288	2.04	SLD 3	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
508	2.116	403	1.993	0.289	2.045	SLD 3	Si
478	2.119	404	1.995	0.289	2.047	SLD 3	Si
449	2.125	406	1.999	0.29	2.052	SLD 3	Si
420	2.131	409	2.005	0.291	2.06	SLD 3	Si
350	3.953	1911	3.772	0.523	3.708	SLD 7	Si
320	3.965	1926	3.784	0.525	3.718	SLD 7	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 74

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
20	18.1	1.8	0	1,2,3,4	-151583	-183606	-25652	-967272	-1171618	SLU 30	6.381	Si
57	18.1	0.9	0	2,3,4	-91380	-165138	-28294	-616258	-1113670	SLU 30	6.744	Si
350	18.1	0.9	0	2,3,4	28655	175394	-27096	203251	1244076	SLU 30	7.093	Si
-10	18.1	1.8	0	1,2,3,4	-190275	-118598	-20050	-1374727	-856869	SLU 30	7.225	Si
80	18.1	0.9	0	2,3,4	-51882	-131231	-28140	-384900	-973568	SLU 30	7.419	Si
50	18.1	1.8	0	1,2,3,4	-88403	-148665	-25452	-658173	-1106836	SLU 30	7.445	Si
140	18.1	0.9	0	2,3,4	8181	-78723	-30264	61261	-589490	SLU 30	7.488	Si
200	18.1	0.9	0	2,3,4	44936	-24672	-30210	337091	-185079	SLU 30	7.502	Si
110	18.1	0.9	0	2,3,4	-19082	-107109	-29714	-143759	-806946	SLU 30	7.534	Si
170	18.1	0.9	0	2,3,4	33516	-46397	-30068	252604	-349685	SLU 30	7.537	Si
230	18.1	0.9	0	2,3,4	51422	1066	-29901	389719	8079	SLU 30	7.579	Si
260	18.1	0.9	0	2,3,4	52509	28797	-29456	403969	221546	SLU 30	7.693	Si
320	18.1	0.9	0	2,3,4	39956	109364	-28369	308728	845033	SLU 30	7.727	Si
290	18.1	0.9	0	2,3,4	49526	60936	-29262	383551	471919	SLU 30	7.744	Si
770	18.1	1.1	0	5	-48069	56834	-8295	-742559	877961	SLU 30	15.448	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
350	18.1	0.9	0	2,3,4	175792	-995856	23554	85510	-484410	SLV 3	0.486				No
420	18.1	2.3	0	2,3,4,5	33605	921312	1677	21005	575886	SLV 3	0.625				No
320	18.1	0.9	0	2,3,4	199190	-719091	20605	125799	-454146	SLV 3	0.632				No
449	18.1	2.3	0	2,3,4,5	30018	785969	1792	21845	571994	SLV 3	0.728				No
770	18.1	1.1	0	5	12598	-726614	3073	9647	-556426	SLV 3	0.766				No
290	18.1	0.9	0	2,3,4	206883	-531581	16789	170065	-436978	SLV 3	0.822				No
478	18.1	2.3	0	2,3,4,5	26262	648268	1908	22948	566460	SLV 3	0.874				No
741	18.1	1.1	0	5	19128	-591277	2958	17798	-550168	SLV 3	0.93				No
260	18.1	0.9	0	2,3,4	209872	-374906	16639	210781	-376529	SLV 3	1.004				Si
508	18.1	1.1	0	5	22365	510573	2025	24449	558153	SLV 3	1.093				Si
712	18.1	1.1	0	5	27296	-453588	2842	32510	-540226	SLV 3	1.191				Si
230	18.1	0.9	0	2,3,4	199115	-306205	12253	254519	-391408	SLV 3	1.278				Si
537	18.1	1.1	0	5	18267	372891	2142	26663	544286	SLV 3	1.46				Si
683	18.1	1.1	0	5	37251	-315921	2725	61611	-522507	SLV 3	1.654				Si
200	18.1	0.9	0	2,3,4	110780	-267420	7348	189883	-458371	SLV 3	1.714				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	14472	394595	-3393	24909	679168	SLD 3	1.721	Si
350	18.1	0.9	0	2,3,4	91555	-379111	-214	167287	-692702	SLD 3	1.827	Si
449	18.1	2.3	0	2,3,4,5	11275	337092	-3278	23160	692390	SLD 3	2.054	Si
770	18.1	1.1	0	5	-14524	-305553	-1997	-31187	-656102	SLD 3	2.147	Si
478	18.1	2.3	0	2,3,4,5	7977	278588	-3161	20398	712363	SLD 3	2.557	Si
741	18.1	1.1	0	5	-10021	-248053	-2111	-27394	-678110	SLD 3	2.734	Si
320	18.1	0.9	0	2,3,4	106807	-280231	-2091	298752	-783836	SLD 3	2.797	Si
508	18.1	1.1	0	5	4617	220087	-3045	15635	745255	SLD 3	3.386	Si
712	18.1	1.1	0	5	-4759	-189554	-2228	-18015	-717574	SLD 3	3.786	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
290	18.1	0.9	0	2,3,4	114131	-214653	-4200	510648	-960407	SLD 3	4.474	Si
537	18.1	1.1	0	5	1170	161591	-2928	5861	809491	SLD 3	5.01	Si
260	18.1	0.9	0	2,3,4	-30950	189001	-37642	-170720	1042513	SLD 13	5.516	Si
683	18.1	1.1	0	5	1299	-131064	-2345	7986	-805731	SLD 3	6.148	Si
230	18.1	0.9	0	2,3,4	-28462	131295	-36326	-175123	807828	SLD 13	6.153	Si
20	18.1	1.8	0	1,2,3,4	-226347	-140536	-20228	-1398540	-868339	SLD 7	6.179	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.61	233	0.633	0.228	0.626	SLV 3	No
420	0.672	287	0.689	0.249	0.685	SLV 3	No
320	0.735	350	0.747	0.271	0.746	SLV 3	No
449	0.766	382	0.775	0.282	0.775	SLV 3	No
770	0.797	417	0.803	0.293	0.805	SLV 3	No
290	0.881	524	0.882	0.322	0.885	SLV 3	No
478	0.893	541	0.893	0.326	0.896	SLV 3	No
741	0.941	615	0.942	0.343	0.943	SLV 3	No
260	1.003	716	1.002	0.365	1.002	SLV 3	Si
508	1.076	851	1.076	0.39	1.073	SLV 3	Si
712	1.154	1013	1.156	0.418	1.148	SLV 3	Si
230	1.162	1031	1.164	0.42	1.155	SLV 3	Si
537	1.361	1568	1.382	0.488	1.341	SLV 3	Si
683	1.498	2026	1.535	0.534	1.468	SLV 3	Si
200	1.369	1593	1.391	0.491	1.348	SLV 3	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	1.52	195	1.48	0.211	1.496	SLD 3	Si
350	1.379	159	1.361	0.192	1.364	SLD 3	Si
449	1.73	260	1.665	0.239	1.693	SLD 3	Si
770	1.803	283	1.724	0.248	1.758	SLD 3	Si
478	2.02	363	1.909	0.276	1.956	SLD 3	Si
741	2.128	407	2.001	0.29	2.055	SLD 3	Si
320	1.662	237	1.603	0.23	1.628	SLD 3	Si
508	1.836	555	2.272	0.33	2.335	SLD 3	Si
712	2.611	656	1.833	0.352	1.896	SLD 3	Si
290	1.992	353	1.887	0.273	1.932	SLD 3	Si
537	3.077	979	2.867	0.413	2.925	SLD 3	Si
260	2.269	469	2.12	0.308	2.184	SLD 3	Si
683	3.385	1264	3.184	0.452	3.203	SLD 3	Si
230	2.626	665	1.847	0.354	2.51	SLD 3	Si
20	7.084	2474	4.193	0.603	4.276	SLD 5	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-10	2X/2Y ø6/24	-890	-18414	SLU 19	8805	4203	35117	2.5	9.89	2270	-20027	SLU 36	9018	4203	35338	2.5	3.97	Si
350	2X/2Y ø6/24	2197	-27096	SLU 30	9954	4203	36305	2.5	4.53	-570	-21948	SLU 22	9272	4203	35601	2.5	16.26	Si
50	2X/2Y ø6/24	1155	-25452	SLU 30	9736	4203	36080	2.5	8.43	2088	-25355	SLU 36	9723	4203	36067	2.5	4.66	Si
20	2X/2Y ø6/24	1155	-25652	SLU 30	9762	4203	36108	2.5	8.46	2088	-25554	SLU 36	9749	4203	36094	2.5	4.67	Si
80	2X/2Y ø6/24	1451	-28140	SLU 30	10092	4203	36448	2.5	6.95	1690	-28140	SLU 30	10092	4203	36448	2.5	5.97	Si
57	2X/2Y ø6/24	1451	-28294	SLU 30	10112	4203	36469	2.5	6.97	1690	-28294	SLU 30	10112	4203	36469	2.5	5.98	Si
320	2X/2Y ø6/24	1477	-28369	SLU 30	10122	4203	36480	2.5	6.85	-351	-24960	SLU 31	9671	4203	36013	2.5	27.57	Si
110	2X/2Y ø6/24	1314	-29598	SLU 29	10285	4203	36648	2.5	7.82	1248	-28440	SLU 20	10131	4203	36489	2.5	8.12	Si
290	2X/2Y ø6/24	1088	-29262	SLU 30	10240	4203	36602	2.5	9.41	-106	-26521	SLU 35	9877	4203	36227	2.5	93.21	Si
260	2X/2Y ø6/24	1088	-29456	SLU 30	10266	4203	36628	2.5	9.43	-106	-26715	SLU 35	9903	4203	36253	2.5	93.45	Si
170	2X/2Y ø6/24	1092	-29950	SLU 29	10331	4203	36696	2.5	9.46	860	-26015	SLU 19	9810	4203	36157	2.5	11.4	Si
140	2X/2Y ø6/24	1092	-30146	SLU 29	10357	4203	36723	2.5	9.49	860	-26210	SLU 19	9836	4203	36184	2.5	11.43	Si
200	2X/2Y ø6/24	950	-30091	SLU 29	10350	4203	36715	2.5	10.9	535	-25794	SLU 19	9781	4203	36127	2.5	18.29	Si
230	2X/2Y ø6/24	941	-29785	SLU 29	10309	4203	36673	2.5	10.96	229	-25178	SLU 19	9700	4203	36043	2.5	41.81	Si
770	2X/2Y ø6/25	343	-6747	SLU 12	6041	3526	26233	2.5	17.59	-133	-7173	SLU 19	6097	3526	26291	2.5	45.85	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-13796	34637	SLV 3	6368	4203	32596	2.5	0.46	-4083	16369	SLV 1	6368	4203	32596	2.5	1.56	No
320	2X/2Y ø6/24	-9348	31186	SLV 3	6368	4203	32596	2.5	0.68	3526	-4148	SLV 11	6917	4203	33164	2.5	1.96	No
712	2X/2Y ø6/25	-5987	5205	SLV 3	5163	3526	25325	2.5	0.86	-1174	-733	SLV 11	5259	3526	25424	2.5	4.48	No
683	2X/2Y ø6/25	-5987	5089	SLV 3	5163	3526	25325	2.5	0.86	-1174	-850	SLV 11	5274	3526	25439	2.5	4.49	No
653	2X/2Y ø6/25	-5987	4972	SLV 3	5163	3526	25325	2.5	0.86	-1174	-967	SLV 11	5289	3526	25455	2.5	4.5	No
624	2X/2Y ø6/25	-5987	4855	SLV 3	5163	3526	25325	2.5	0.86	-1174	-1083	SLV 11	5304	3526	25471	2.5	4.52	No
595	2X/2Y ø6/25	-5987	4739	SLV 3	5163	3526	25325	2.5	0.86	-1174	-1200	SLV 11	5320	3526	25487	2.5	4.53	No
566	2X/2Y ø6/25	-5987	4622	SLV 3	5163	3526	25325	2.5	0.86	-1174	-1317	SLV 11	5335	3526	25502	2.5	4.54	No
537	2X/2Y ø6/25	-5987	4505	SLV 3	5163	3526	25325	2.5	0.86	-1174	-1433	SLV 11	5350	3526	25518	2.5	4.56	No
508	2X/2Y ø6/25	-5987	4389	SLV 3	5163	3526	25325	2.5	0.86	-1174	-1550	SLV 11	5365	3526	25534	2.5	4.57	No
478	2X/2Y ø6/25	-5987	4272	SLV 3	5163	3526	25325	2.5	0.86	-1174	-1667	SLV 11	5380	3526	25549	2.5	4.58	No
449	2X/2Y ø6/25	-5987	4155	SLV 3	5163	3526	25325	2.5	0.86	-1174	-1783	SLV 11	5395	3526	25565	2.5	4.6	No
420	2X/2Y ø6/25	-5987	4041	SLV 3	5163	3526	25325	2.5	0.86	-1174	-1898	SLV 11	5410	3526	25581	2.5	4.61	No
770	2X/2Y ø6/25	-5987	5437	SLV 3	5163	3526	25325	2.5	0.86	-1174	-502	SLV 11	5229	3526	25393	2.5	4.45	No
741	2X/2Y ø6/25	-5987	5322	SLV 3	5163	3526	25325	2.5	0.86	-1174	-617	SLV 11	5244	3526	25408	2.5	4.47	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-3956	-214	SLD 3	6396	4203	32625	2.5	1.62	-1698	-6628	SLD 1	7245	4203	33503	2.5	4.27	Si
320	2X/2Y ø6/24	-2682	-2091	SLD 3	6644	4203	32882	2.5	1.88	-1251	-8146	SLD 1	7446	4203	33711	2.5	5.95	Si
-10	2X/2Y ø6/24	-2036	-13375	SLD 1	8138	4203	34427	2.5	4	2978	-11967	SLD 9	7951	4203	34234	2.5	2.67	Si
770	2X/2Y ø6/25	-2006	-1997	SLD 3	5423	3526	25594	2.5	2.7	-478	-4081	SLD 11	5694	3526	25874	2.5	11.92	Si
741	2X/2Y ø6/25	-2006	-2111	SLD 3	5438	3526	25609	2.5	2.71	-478	-4195	SLD 11	5709	3526	25890	2.5	11.95	Si
712	2X/2Y ø6/25	-2006	-2228	SLD 3	5453	3526	25625	2.5	2.72	-478	-4312	SLD 11	5724	3526	25905	2.5	11.99	Si
683	2X/2Y ø6/25	-2006	-2345	SLD 3	5468	3526	25641	2.5	2.73	-478	-4429	SLD 11	5740	3526	25921	2.5	12.02	Si
653	2X/2Y ø6/25	-2006	-2461	SLD 3	5484	3526	25656	2.5	2.73	-478	-4545	SLD 11	5755	3526	25937	2.5	12.05	Si
624	2X/2Y ø6/25	-2006	-2578	SLD 3	5499	3526	25672	2.5	2.74	-478	-4662	SLD 11	5770	3526	25953	2.5	12.08	Si
595	2X/2Y ø6/25	-2006	-2695	SLD 3	5514	3526	25688	2.5	2.75	-478	-4779	SLD 11	5785	3526	25968	2.5	12.11	Si
566	2X/2Y ø6/25	-2006	-2811	SLD 3	5529	3526	25703	2.5	2.76	-478	-4895	SLD 11	5800	3526	25984	2.5	12.15	Si
537	2X/2Y ø6/25	-2006	-2928	SLD 3	5544	3526	25719	2.5	2.76	-478	-5012	SLD 11	5816	3526	26000	2.5	12.18	Si
508	2X/2Y ø6/25	-2006	-3045	SLD 3	5560	3526	25735	2.5	2.77	-478	-5129	SLD 11	5831	3526	26015	2.5	12.21	Si
478	2X/2Y ø6/25	-2006	-3161	SLD 3	5575	3526	25751	2.5	2.78	-478	-5245	SLD 11	5846	3526	26031	2.5	12.24	Si
449	2X/2Y ø6/25	-2006	-3278	SLD 3	5590	3526	25766	2.5	2.79	-478	-5362	SLD 11	5861	3526	26047	2.5	12.27	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.51	159	0.541	0.192	0.527	SLV 3	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
320	0.71	324	0.724	0.263	0.722	SLV 3	No
712	0.865	501	0.866	0.316	0.869	SLV 3	No
683	0.865	501	0.866	0.316	0.869	SLV 3	No
653	0.865	501	0.866	0.316	0.869	SLV 3	No
624	0.865	501	0.866	0.316	0.869	SLV 3	No
595	0.865	501	0.866	0.316	0.869	SLV 3	No
566	0.865	501	0.866	0.316	0.869	SLV 3	No
537	0.865	501	0.866	0.316	0.869	SLV 3	No
508	0.865	501	0.866	0.316	0.869	SLV 3	No
478	0.865	501	0.866	0.316	0.869	SLV 3	No
449	0.865	501	0.866	0.316	0.869	SLV 3	No
420	0.865	501	0.866	0.316	0.869	SLV 3	No
770	0.865	501	0.866	0.316	0.869	SLV 3	No
741	0.865	501	0.866	0.316	0.869	SLV 3	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.453	177	1.422	0.202	1.432	SLD 3	Si
320	2.022	364	1.911	0.276	1.959	SLD 3	Si
-10	3.883	1822	3.699	0.515	3.646	SLD 9	Si
770	1.865	570	2.297	0.333	2.362	SLD 3	Si
741	1.865	570	2.297	0.333	2.362	SLD 3	Si
712	1.865	570	2.297	0.333	2.362	SLD 3	Si
683	1.865	570	2.297	0.333	2.362	SLD 3	Si
653	1.865	570	2.297	0.333	2.362	SLD 3	Si
624	1.865	570	2.297	0.333	2.362	SLD 3	Si
595	1.865	570	2.297	0.333	2.362	SLD 3	Si
566	1.865	570	2.297	0.333	2.362	SLD 3	Si
537	1.865	570	2.297	0.333	2.362	SLD 3	Si
508	1.865	570	2.297	0.333	2.362	SLD 3	Si
478	1.865	570	2.297	0.333	2.362	SLD 3	Si
449	1.865	570	2.297	0.333	2.362	SLD 3	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 75

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	396	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	816	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
814	20.23	2.3	0	5	-497208	353721	-10144	-789035	561331	SLU 35	1.587	Si
816	20.68	2.3	0	5	-499069	354800	-10138	-800888	569369	SLU 35	1.605	Si
786	18.1	1.1	0	5	-445883	323972	-10294	-744808	541166	SLU 35	1.67	Si
755	18.1	1.1	0	5	-391810	292630	-10453	-764890	571271	SLU 35	1.952	Si
725	18.1	1.1	0	5	-337736	261288	-10611	-783644	606263	SLU 35	2.32	Si
694	18.1	1.1	0	5	-283663	229946	-10769	-799373	647998	SLU 35	2.818	Si
664	18.1	1.1	0	5	-229589	198604	-10928	-804308	695761	SLU 35	3.503	Si
633	18.1	1.1	0	5	-176040	167762	-11246	-805420	767545	SLU 36	4.575	Si
420	18.1	2.3	0	3,4,5	202112	-51617	-12192	1283484	-327785	SLU 35	6.35	Si
603	18.1	1.1	0	5	-122051	136716	-11405	-781845	875789	SLU 36	6.406	Si
-22	0	0.9	0	1	-164970	12312	-24253	-1093005	81575	SLU 36	6.625	Si
-17	1.47	0.9	0	1	-160297	10553	-24217	-1093583	71998	SLU 36	6.822	Si
394	27.65	2.2	0	2,3,4	188620	-120762	-21514	1437554	-920385	SLU 36	7.621	Si
396	28.47	2.2	0	2,3,4	189784	-121201	-21505	1453614	-928313	SLU 36	7.659	Si
367	19.88	1.6	0	2,3,4	165047	-111891	-21697	1267529	-859300	SLU 36	7.68	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	3,4,5	519000	61297	-13284	943944	111485	SLV 11	1.819				Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
450	18.1	2.3	0	3,4,5	453034	76267	-13164	999840	168320	SLV 11	2.207				Si
814	20.23	2.3	0	5	-359359	265045	-11708	-858784	633394	SLV 11	2.39				Si
816	20.68	2.3	0	5	-361543	265622	-11704	-870153	639293	SLV 11	1.807				Si
786	18.1	1.1	0	5	-305933	249319	-11824	-800072	652016	SLV 11	2.615				Si
725	18.1	1.1	0	5	-266326	97137	-3067	-704863	257085	SLV 5	2.647				Si
481	18.1	2.3	0	3,4,5	385995	91553	-13042	1054414	250093	SLV 11	2.732				Si
694	18.1	1.1	0	5	-262379	77178	-3189	-716999	210903	SLV 5	2.733				Si
664	18.1	1.1	0	5	-259125	57091	-3311	-727907	160374	SLV 5	2.809				Si
633	18.1	1.1	0	5	-256696	36893	-3432	-737142	105944	SLV 5	2.872				Si
603	18.1	1.1	0	5	-254661	16597	-3554	-746344	48642	SLV 5	2.931				Si
572	18.1	1.1	0	5	-252843	-3789	-3676	-755198	-11316	SLV 5	2.987				Si
755	18.1	1.1	0	5	-266119	234928	-12641	-795322	702104	SLV 15	2.989				Si
542	18.1	1.1	0	5	-251156	-24260	-3798	-762513	-73653	SLV 5	3.036				Si
511	18.1	1.1	0	5	-249552	-44811	-3920	-770173	-138295	SLV 5	3.086				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
814	20.23	2.3	0	5	-329706	234373	-9192	-844128	600053	SLD 11	2.56	Si
816	20.68	2.3	0	5	-331330	234974	-9188	-855432	606658	SLD 11	2.582	Si
786	18.1	1.1	0	5	-287906	217891	-9308	-795865	602322	SLD 11	2.764	Si
755	18.1	1.1	0	5	-251088	201462	-9721	-807026	647523	SLD 15	3.214	Si
725	18.1	1.1	0	5	-232148	130513	-5583	-805414	452801	SLD 5	3.469	Si
420	18.1	2.3	0	3,4,5	305817	14396	-10768	1159310	54575	SLD 11	3.791	Si
694	18.1	1.1	0	5	-211293	111660	-5705	-845980	447068	SLD 5	4.004	Si
664	18.1	1.1	0	5	-190745	92752	-5827	-900067	437668	SLD 5	4.719	Si
450	18.1	2.3	0	3,4,5	257849	30895	-10648	1240941	148690	SLD 11	4.813	Si
633	18.1	1.1	0	5	-170555	73795	-5949	-971314	420263	SLD 5	5.695	Si
481	18.1	2.3	0	3,4,5	209092	47699	-10526	1267396	289123	SLD 11	6.061	Si
-22	0	0.9	0	1	-177020	17546	-23101	-1159258	114901	SLD 11	6.549	Si
394	27.65	2.2	0	2,3,4	275925	-81141	-20994	1827496	-537407	SLD 11	6.623	Si
396	28.47	2.2	0	2,3,4	277407	-81442	-20987	1846881	-542216	SLD 11	6.658	Si
-17	1.47	0.9	0	1	-171132	16713	-23073	-1160804	113364	SLD 11	6.783	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	1.848	2474	1.666	0.573	1.575	SLV 11	Si
450	1.969	2474	1.666	0.573	1.575	SLV 5	Si
814	7.467	2474	1.666	0.573	1.575	SLV 1	Si
816	7.576	2474	1.666	0.573	1.575	SLV 1	Si
786	6.633	2474	1.666	0.573	1.575	SLV 1	Si
725	3.871	2474	1.666	0.573	1.575	SLV 5	Si
481	2.043	2474	1.666	0.573	1.575	SLV 5	Si
694	3.361	2474	1.666	0.573	1.575	SLV 5	Si
664	3.004	2474	1.666	0.573	1.575	SLV 5	Si
633	2.734	2474	1.666	0.573	1.575	SLV 5	Si
603	2.529	2474	1.666	0.573	1.575	SLV 5	Si
572	2.365	2474	1.666	0.573	1.575	SLV 5	Si
755	6.243	2474	1.666	0.573	1.575	SLV 1	Si
542	2.236	2474	1.666	0.573	1.575	SLV 5	Si
511	2.131	2474	1.666	0.573	1.575	SLV 5	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
814	16.984	2474	4.193	0.603	4.276	SLD 1	Si
816	17.257	2474	4.193	0.603	4.276	SLD 1	Si
786	15.092	2474	4.193	0.603	4.276	SLD 1	Si
755	14.198	2474	4.193	0.603	4.276	SLD 1	Si
725	8.764	2474	4.193	0.603	4.276	SLD 5	Si
420	4.179	2217	4.009	0.552	3.908	SLD 11	Si
694	7.617	2474	4.193	0.603	4.276	SLD 5	Si
664	6.797	2474	4.193	0.603	4.276	SLD 5	Si
450	4.452	2474	4.193	0.586	4.149	SLD 5	Si
633	6.195	2474	4.193	0.603	4.276	SLD 5	Si
481	4.623	2474	4.193	0.603	4.276	SLD 5	Si
-22	3.145	1039	2.938	0.422	2.987	SLD 5	Si
394	5.826	2474	4.193	0.603	4.276	SLD 5	Si
396	5.942	2474	4.193	0.603	4.276	SLD 5	Si
-17	3.565	1450	3.368	0.475	3.364	SLD 5	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
816	2X/2Y ø6/24.8	1029	-10138	SLU 35	6483	3562	26690	2.5	6.3	-1775	-10138	SLU 35	6483	3562	26690	2.5	3.65	Si
814	2X/2Y ø6/24.8	1029	-10144	SLU 35	6483	3562	26691	2.5	6.3	-1775	-10144	SLU 35	6483	3562	26691	2.5	3.65	Si
786	2X/2Y ø6/24.8	1029	-10294	SLU 35	6503	3562	26711	2.5	6.32	-1775	-10294	SLU 35	6503	3562	26711	2.5	3.66	Si
755	2X/2Y ø6/24.8	1029	-10453	SLU 35	6524	3562	26732	2.5	6.34	-1775	-10453	SLU 35	6524	3562	26732	2.5	3.67	Si
725	2X/2Y ø6/24.8	1029	-10611	SLU 35	6544	3562	26753	2.5	6.36	-1775	-10611	SLU 35	6544	3562	26753	2.5	3.69	Si
694	2X/2Y ø6/24.8	1029	-10769	SLU 35	6565	3562	26775	2.5	6.38	-1775	-10769	SLU 35	6565	3562	26775	2.5	3.7	Si
664	2X/2Y ø6/24.8	1029	-10928	SLU 35	6585	3562	26796	2.5	6.4	-1775	-10928	SLU 35	6585	3562	26796	2.5	3.71	Si
633	2X/2Y ø6/24.8	1029	-11086	SLU 35	6606	3562	26817	2.5	6.42	-1775	-11086	SLU 35	6606	3562	26817	2.5	3.72	Si
603	2X/2Y ø6/24.8	1029	-11245	SLU 35	6627	3562	26839	2.5	6.44	-1775	-11245	SLU 35	6627	3562	26839	2.5	3.73	Si
572	2X/2Y ø6/24.8	1029	-11403	SLU 35	6647	3562	26860	2.5	6.46	-1775	-11403	SLU 35	6647	3562	26860	2.5	3.74	Si
542	2X/2Y ø6/24.8	1029	-11561	SLU 35	6668	3562	26881	2.5	6.48	-1775	-11561	SLU 35	6668	3562	26881	2.5	3.76	Si
511	2X/2Y ø6/24.8	1029	-11720	SLU 35	6688	3562	26903	2.5	6.5	-1775	-11720	SLU 35	6688	3562	26903	2.5	3.77	Si
481	2X/2Y ø6/24.8	1029	-11878	SLU 35	6709	3562	26924	2.5	6.52	-1775	-11878	SLU 35	6709	3562	26924	2.5	3.78	Si
450	2X/2Y ø6/24.8	1029	-12037	SLU 35	6730	3562	26945	2.5	6.54	-1775	-12037	SLU 35	6730	3562	26945	2.5	3.79	Si
420	2X/2Y ø6/24.8	1029	-12192	SLU 35	6750	3562	26966	2.5	6.56	-1775	-12192	SLU 35	6750	3562	26966	2.5	3.8	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
816	2X/2Y ø6/24.8	865	-657	SLV 1	5249	3562	25413	2.5	6.07	-2487	-12874	SLV 11	6839	3562	27058	2.5	2.75	Si
814	2X/2Y ø6/24.8	865	-661	SLV 1	5249	3562	25414	2.5	6.07	-2487	-12878	SLV 11	6839	3562	27059	2.5	2.75	Si
786	2X/2Y ø6/24.8	865	-777	SLV 1	5264	3562	25430	2.5	6.08	-2487	-12994	SLV 11	6854	3562	27074	2.5	2.76	Si
755	2X/2Y ø6/24.8	865	-899	SLV 1	5280	3562	25446	2.5	6.1	-2487	-13116	SLV 11	6870	3562	27091	2.5	2.76	Si
725	2X/2Y ø6/24.8	865	-1020	SLV 1	5296	3562	25462	2.5	6.12	-2487	-13238	SLV 11	6886	3562	27107	2.5	2.77	Si
694	2X/2Y ø6/24.8	865	-1142	SLV 1	5312	3562	25479	2.5	6.14	-2487	-13359	SLV 11	6902	3562	27123	2.5	2.78	Si
664	2X/2Y ø6/24.8	865	-1264	SLV 1	5328	3562	25495	2.5	6.16	-2487	-13481	SLV 11	6918	3562	27140	2.5	2.78	Si
633	2X/2Y ø6/24.8	865	-1386	SLV 1	5344	3562	25512	2.5	6.18	-2487	-13603	SLV 11	6934	3562	27156	2.5	2.79	Si
603	2X/2Y ø6/24.8	865	-1508	SLV 1	5360	3562	25528	2.5	6.19	-2487	-13725	SLV 11	6949	3562	27173	2.5	2.79	Si
572	2X/2Y ø6/24.8	865	-1630	SLV 1	5375	3562	25544	2.5	6.21	-2487	-13847	SLV 11	6965	3562	27189	2.5	2.8	Si
542	2X/2Y ø6/24.8	865	-1751	SLV 1	5391	3562	25561	2.5	6.23	-2487	-13969	SLV 11	6981	3562	27205	2.5	2.81	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
511	2X/2Y ø6/24.8	865	-1873	SLV 1	5407	3562	25577	2.5	6.25	-2487	-14090	SLV 11	6997	3562	27222	2.5	2.81	Si
481	2X/2Y ø6/24.8	865	-1995	SLV 1	5423	3562	25594	2.5	6.27	-2487	-14212	SLV 11	7013	3562	27238	2.5	2.82	Si
450	2X/2Y ø6/24.8	865	-2117	SLV 1	5439	3562	25610	2.5	6.29	-2487	-14334	SLV 11	7029	3562	27255	2.5	2.83	Si
420	2X/2Y ø6/24.8	865	-2237	SLV 1	5454	3562	25626	2.5	6.3	-2487	-14454	SLV 11	7044	3562	27271	2.5	2.83	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
816	2X/2Y ø6/24.8	701	-5786	SLD 3	5916	3562	26104	2.5	8.44	-1603	-9188	SLD 11	6359	3562	26562	2.5	3.97	Si
814	2X/2Y ø6/24.8	701	-5790	SLD 3	5917	3562	26104	2.5	8.44	-1603	-9192	SLD 11	6360	3562	26562	2.5	3.97	Si
786	2X/2Y ø6/24.8	701	-5906	SLD 3	5932	3562	26120	2.5	8.46	-1603	-9308	SLD 11	6375	3562	26578	2.5	3.98	Si
755	2X/2Y ø6/24.8	701	-6028	SLD 3	5948	3562	26136	2.5	8.48	-1603	-9430	SLD 11	6390	3562	26594	2.5	3.99	Si
725	2X/2Y ø6/24.8	701	-6150	SLD 3	5964	3562	26153	2.5	8.5	-1603	-9551	SLD 11	6406	3562	26611	2.5	4	Si
694	2X/2Y ø6/24.8	701	-6271	SLD 3	5979	3562	26169	2.5	8.53	-1603	-9673	SLD 11	6422	3562	26627	2.5	4.01	Si
664	2X/2Y ø6/24.8	701	-6393	SLD 3	5995	3562	26186	2.5	8.55	-1603	-9795	SLD 11	6438	3562	26644	2.5	4.02	Si
633	2X/2Y ø6/24.8	701	-6515	SLD 3	6011	3562	26202	2.5	8.57	-1603	-9917	SLD 11	6454	3562	26660	2.5	4.03	Si
603	2X/2Y ø6/24.8	701	-6637	SLD 3	6027	3562	26218	2.5	8.59	-1603	-10039	SLD 11	6470	3562	26676	2.5	4.04	Si
572	2X/2Y ø6/24.8	701	-6759	SLD 3	6043	3562	26235	2.5	8.62	-1603	-10161	SLD 11	6486	3562	26693	2.5	4.05	Si
542	2X/2Y ø6/24.8	701	-6881	SLD 3	6059	3562	26251	2.5	8.64	-1603	-10283	SLD 11	6501	3562	26709	2.5	4.06	Si
511	2X/2Y ø6/24.8	701	-7002	SLD 3	6075	3562	26268	2.5	8.66	-1603	-10404	SLD 11	6517	3562	26726	2.5	4.07	Si
481	2X/2Y ø6/24.8	701	-7124	SLD 3	6090	3562	26284	2.5	8.68	-1603	-10526	SLD 11	6533	3562	26742	2.5	4.08	Si
450	2X/2Y ø6/24.8	701	-7246	SLD 3	6106	3562	26300	2.5	8.71	-1603	-10648	SLD 11	6549	3562	26758	2.5	4.09	Si
420	2X/2Y ø6/24.8	701	-7366	SLD 3	6122	3562	26317	2.5	8.73	-1603	-10768	SLD 11	6565	3562	26775	2.5	4.1	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
816	4.616	2474	1.666	0.573	1.575	SLV 5	Si
814	4.616	2474	1.666	0.573	1.575	SLV 5	Si
786	4.616	2474	1.666	0.573	1.575	SLV 5	Si
755	4.616	2474	1.666	0.573	1.575	SLV 5	Si
725	4.616	2474	1.666	0.573	1.575	SLV 5	Si
694	4.616	2474	1.666	0.573	1.575	SLV 5	Si
664	4.616	2474	1.666	0.573	1.575	SLV 5	Si
633	4.616	2474	1.666	0.573	1.575	SLV 5	Si
603	4.616	2474	1.666	0.573	1.575	SLV 5	Si
572	4.616	2474	1.666	0.573	1.575	SLV 5	Si
542	4.616	2474	1.666	0.573	1.575	SLV 5	Si
511	4.616	2474	1.666	0.573	1.575	SLV 5	Si
481	4.616	2474	1.666	0.573	1.575	SLV 5	Si
450	4.616	2474	1.666	0.573	1.575	SLV 5	Si
420	4.616	2474	1.666	0.573	1.575	SLV 5	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
816	13.158	2474	4.193	0.603	4.276	SLD 5	Si
814	13.158	2474	4.193	0.603	4.276	SLD 5	Si
786	13.158	2474	4.193	0.603	4.276	SLD 5	Si
755	13.158	2474	4.193	0.603	4.276	SLD 5	Si
725	13.158	2474	4.193	0.603	4.276	SLD 5	Si
694	13.158	2474	4.193	0.603	4.276	SLD 5	Si
664	13.158	2474	4.193	0.603	4.276	SLD 5	Si
633	13.158	2474	4.193	0.603	4.276	SLD 5	Si
603	13.158	2474	4.193	0.603	4.276	SLD 5	Si
572	13.158	2474	4.193	0.603	4.276	SLD 5	Si
542	13.158	2474	4.193	0.603	4.276	SLD 5	Si
511	13.158	2474	4.193	0.603	4.276	SLD 5	Si
481	13.158	2474	4.193	0.603	4.276	SLD 5	Si
450	13.158	2474	4.193	0.603	4.276	SLD 5	Si
420	13.158	2474	4.193	0.603	4.276	SLD 5	Si

Verifiche nodi trave colonna

Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 76

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
770	18.1	1.1	0	5	87520	2791	-1479	789934	25194	SLU 19	9.026	Si
420	18.1	2.3	0	2,3,4,5	-103414	-21257	-3294	-1036850	-213125	SLU 19	10.026	Si
741	18.1	1.1	0	5	71837	816	-1628	890351	10114	SLU 19	12.394	Si
449	18.1	2.3	0	2,3,4,5	-87730	-19281	-3145	-1095776	-240831	SLU 19	11.89	Si
320	18.1	0.9	0	2,3,4	121725	42706	-7424	1620580	568564	SLU 19	13.313	Si
350	18.1	0.9	0	2,3,4	126226	30330	-6678	1721470	413637	SLU 19	13.638	Si
290	18.1	0.9	0	2,3,4	114566	38778	-7619	1649673	558372	SLU 19	14.399	Si
280	18.1	0.9	0	2,3,4	112062	37404	-7687	1654765	552322	SLU 19	14.766	Si
260	18.1	0.9	0	2,3,4	102701	34676	-6919	1651862	557733	SLU 19	16.084	Si
478	18.1	2.3	0	2,3,4,5	-71774	-17272	-2993	-1168834	-281270	SLU 19	16.285	Si
254	18.1	0.9	0	2,3,4	101177	33845	-6960	1653979	553272	SLU 19	16.347	Si
230	18.1	0.9	0	2,3,4	95669	30659	-7164	1662413	532763	SLU 19	17.377	Si
200	18.1	0.9	0	2,3,4	84327	31232	-7928	1558929	577371	SLU 20	18.487	Si
170	18.1	0.9	0	2,3,4	77825	26714	-8128	1511487	518831	SLU 20	19.422	Si
712	18.1	1.1	0	5	55880	-1194	-1780	1091465	-23316	SLU 19	19.532	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
350	18.1	0.9	0	2,3,4	1418277	112379	15154	579467	45915	SLV 11	0.409				No
320	18.1	0.9	0	2,3,4	1317813	75659	12660	589118	33823	SLV 7	0.447				No
420	18.1	2.3	0	2,3,4,5	-1159218	76132	3974	-562166	36920	SLV 7	0.485				No
290	18.1	0.9	0	2,3,4	1193242	68372	12510	581445	33316	SLV 7	0.487				No
280	18.1	0.9	0	2,3,4	1146327	176699	13859	566739	87359	SLV 11	0.494				No
260	18.1	0.9	0	2,3,4	1062006	169440	13758	559600	89282	SLV 11	0.527				No
254	18.1	0.9	0	2,3,4	1035611	167274	13726	557165	89995	SLV 11	0.538				No
449	18.1	2.3	0	2,3,4,5	-985172	70708	4089	-556313	39928	SLV 7	0.565				No
770	18.1	1.1	0	5	960149	-32086	5370	545631	-18233	SLV 7	0.568				No
230	18.1	0.9	0	2,3,4	937214	158487	13538	547688	92617	SLV 11	0.584				No
200	18.1	0.9	0	2,3,4	815631	146829	13321	533288	96002	SLV 11	0.654				No
478	18.1	2.3	0	2,3,4,5	-808097	65302	4205	-547987	44283	SLV 7	0.678				No
741	18.1	1.1	0	5	786113	-33290	5255	537333	-22755	SLV 7	0.684				No
170	18.1	0.9	0	2,3,4	691115	133033	13167	513819	98905	SLV 11	0.743				No
508	18.1	1.1	0	5	-631038	52351	4322	-535625	44436	SLV 7	0.849				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2,3,4	675207	63556	3605	629058	59212	SLD 11	0.932	No
320	18.1	0.9	0	2,3,4	629471	53611	2169	648794	55257	SLD 7	1.031	Si
420	18.1	2.3	0	2,3,4,5	-548441	24085	271	-587233	25789	SLD 7	1.071	Si
290	18.1	0.9	0	2,3,4	571861	48845	2019	647886	55339	SLD 7	1.133	Si
280	18.1	0.9	0	2,3,4	548162	96042	3000	626930	109843	SLD 11	1.144	Si
260	18.1	0.9	0	2,3,4	509163	91543	2898	624690	112313	SLD 11	1.227	Si
770	18.1	1.1	0	5	455389	-12763	1667	560814	-15718	SLD 7	1.232	Si
449	18.1	2.3	0	2,3,4,5	-466003	22592	386	-584239	28325	SLD 7	1.254	Si
254	18.1	0.9	0	2,3,4	496953	90179	2866	623922	113220	SLD 11	1.255	Si
230	18.1	0.9	0	2,3,4	451514	84743	2695	621878	116718	SLD 11	1.377	Si
741	18.1	1.1	0	5	372955	-14190	1552	556674	-21180	SLD 7	1.493	Si
478	18.1	2.3	0	2,3,4,5	-382131	21123	502	-579919	32057	SLD 7	1.518	Si
200	18.1	0.9	0	2,3,4	395303	77674	2496	618415	121514	SLD 11	1.564	Si
170	18.1	0.9	0	2,3,4	337630	69640	2342	612314	126298	SLD 11	1.814	Si
712	18.1	1.1	0	5	289092	-16381	1436	550133	-31172	SLD 7	1.903	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.413	103	0.453	0.156	0.43	SLV 11	No
320	0.456	126	0.492	0.172	0.473	SLV 7	No
420	0.475	137	0.509	0.179	0.492	SLV 7	No
290	0.498	151	0.529	0.187	0.515	SLV 7	No
280	0.504	155	0.535	0.19	0.521	SLV 11	No
260	0.538	178	0.566	0.202	0.555	SLV 11	No
254	0.55	186	0.577	0.206	0.567	SLV 11	No
449	0.559	192	0.584	0.209	0.575	SLV 7	No
770	0.553	188	0.579	0.207	0.57	SLV 7	No
230	0.598	223	0.621	0.224	0.614	SLV 11	No
200	0.668	284	0.686	0.248	0.682	SLV 11	No
478	0.676	291	0.693	0.251	0.689	SLV 7	No
741	0.674	289	0.691	0.25	0.687	SLV 7	No
170	0.758	374	0.768	0.279	0.768	SLV 11	No
508	0.85	480	0.851	0.311	0.855	SLV 7	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.934	72	0.983	0.132	0.934	SLD 11	No
320	1.029	87	1.063	0.144	1.023	SLD 7	Si
420	1.074	95	1.102	0.151	1.067	SLD 7	Si
290	1.127	105	1.148	0.158	1.121	SLD 7	Si
280	1.139	107	1.157	0.16	1.133	SLD 11	Si
260	1.215	122	1.221	0.17	1.204	SLD 11	Si
770	1.25	130	1.253	0.175	1.24	SLD 7	Si
449	1.262	132	1.261	0.176	1.25	SLD 7	Si
254	1.242	128	1.245	0.174	1.23	SLD 11	Si
230	1.352	153	1.34	0.189	1.337	SLD 11	Si
741	1.523	196	1.483	0.212	1.5	SLD 7	Si
478	1.527	197	1.486	0.212	1.504	SLD 7	Si
200	1.512	193	1.473	0.21	1.488	SLD 11	Si
170	1.711	253	1.646	0.236	1.674	SLD 11	Si
712	1.941	334	1.845	0.266	1.887	SLD 7	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	76	-1782	SLU 29	5395	3526	25565	2.5	70.57	547	-1479	SLU 19	5356	3526	25524	2.5	9.79	Si
741	2X/2Y ø6/25	76	-1931	SLU 29	5415	3526	25585	2.5	70.82	547	-1628	SLU 19	5375	3526	25544	2.5	9.83	Si
712	2X/2Y ø6/25	76	-2082	SLU 29	5434	3526	25605	2.5	71.08	547	-1780	SLU 19	5395	3526	25565	2.5	9.86	Si
683	2X/2Y ø6/25	76	-2234	SLU 29	5454	3526	25626	2.5	71.34	547	-1932	SLU 19	5415	3526	25585	2.5	9.9	Si

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
653	2X/2Y ø6/25	76	-2386	SLU 29	5474	3526	25646	2.5	71.6	547	-2083	SLU 19	5434	3526	25605	2.5	9.93	Si
624	2X/2Y ø6/25	76	-2537	SLU 29	5494	3526	25667	2.5	71.85	547	-2235	SLU 19	5454	3526	25626	2.5	9.97	Si
595	2X/2Y ø6/25	76	-2689	SLU 29	5513	3526	25687	2.5	72.11	547	-2387	SLU 19	5474	3526	25646	2.5	10.01	Si
566	2X/2Y ø6/25	76	-2841	SLU 29	5533	3526	25707	2.5	72.37	547	-2538	SLU 19	5494	3526	25667	2.5	10.04	Si
537	2X/2Y ø6/25	76	-2992	SLU 29	5553	3526	25728	2.5	72.63	547	-2690	SLU 19	5513	3526	25687	2.5	10.08	Si
508	2X/2Y ø6/25	76	-3144	SLU 29	5573	3526	25748	2.5	72.89	547	-2842	SLU 19	5533	3526	25708	2.5	10.11	Si
478	2X/2Y ø6/25	76	-3296	SLU 29	5592	3526	25769	2.5	73.15	547	-2993	SLU 19	5553	3526	25728	2.5	10.15	Si
449	2X/2Y ø6/25	76	-3447	SLU 29	5612	3526	25789	2.5	73.4	547	-3145	SLU 19	5573	3526	25748	2.5	10.19	Si
420	2X/2Y ø6/25	76	-3596	SLU 29	5631	3526	25809	2.5	73.66	547	-3294	SLU 19	5592	3526	25768	2.5	10.22	Si
350	2X/2Y ø6/24	-606	-7642	SLU 30	7379	4203	33642	2.5	12.18	247	-6678	SLU 19	7251	4203	33510	2.5	29.41	Si
280	2X/2Y ø6/24	162	-7697	SLU 30	7386	4203	33650	2.5	45.62	242	-6787	SLU 19	7266	4203	33525	2.5	29.99	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	366	-4670	SLV 13	5771	3526	25954	2.5	15.78	7562	7097	SLV 7	5163	3526	25325	2.5	0.68	No
712	2X/2Y ø6/25	366	-4901	SLV 13	5801	3526	25985	2.5	15.86	7562	6865	SLV 7	5163	3526	25325	2.5	0.68	No
683	2X/2Y ø6/25	366	-5018	SLV 13	5816	3526	26000	2.5	15.9	7562	6749	SLV 7	5163	3526	25325	2.5	0.68	No
653	2X/2Y ø6/25	366	-5134	SLV 13	5832	3526	26016	2.5	15.94	7562	6632	SLV 7	5163	3526	25325	2.5	0.68	No
624	2X/2Y ø6/25	366	-5251	SLV 13	5847	3526	26032	2.5	15.98	7562	6515	SLV 7	5163	3526	25325	2.5	0.68	No
595	2X/2Y ø6/25	366	-5368	SLV 13	5862	3526	26048	2.5	16.03	7562	6399	SLV 7	5163	3526	25325	2.5	0.68	No
566	2X/2Y ø6/25	366	-5484	SLV 13	5877	3526	26063	2.5	16.07	7562	6282	SLV 7	5163	3526	25325	2.5	0.68	No
537	2X/2Y ø6/25	366	-5601	SLV 13	5892	3526	26079	2.5	16.11	7562	6165	SLV 7	5163	3526	25325	2.5	0.68	No
508	2X/2Y ø6/25	366	-5718	SLV 13	5907	3526	26095	2.5	16.15	7562	6049	SLV 7	5163	3526	25325	2.5	0.68	No
741	2X/2Y ø6/25	366	-4784	SLV 13	5786	3526	25969	2.5	15.82	7562	6982	SLV 7	5163	3526	25325	2.5	0.68	No
420	2X/2Y ø6/25	366	-6066	SLV 13	5953	3526	26142	2.5	16.27	7562	5701	SLV 7	5163	3526	25325	2.5	0.68	No
449	2X/2Y ø6/25	366	-5951	SLV 13	5938	3526	26126	2.5	16.23	7562	5815	SLV 7	5163	3526	25325	2.5	0.68	No
478	2X/2Y ø6/25	366	-5834	SLV 13	5923	3526	26110	2.5	16.19	7562	5932	SLV 7	5163	3526	25325	2.5	0.68	No
254	2X/2Y ø6/24	941	-15213	SLV 13	8381	4203	34679	2.5	8.9	5483	18791	SLV 11	6368	4203	32596	2.5	1.16	Si
260	2X/2Y ø6/24	941	-15181	SLV 13	8377	4203	34674	2.5	8.9	5483	18823	SLV 11	6368	4203	32596	2.5	1.16	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	173	-4208	SLD 9	5711	3526	25891	2.5	32.97	2876	1667	SLD 7	5163	3526	25325	2.5	1.8	Si
712	2X/2Y ø6/25	173	-4439	SLD 9	5741	3526	25923	2.5	33.14	2876	1436	SLD 7	5163	3526	25325	2.5	1.8	Si
683	2X/2Y ø6/25	173	-4556	SLD 9	5756	3526	25938	2.5	33.23	2876	1319	SLD 7	5163	3526	25325	2.5	1.8	Si
653	2X/2Y ø6/25	173	-4673	SLD 9	5771	3526	25954	2.5	33.32	2876	1202	SLD 7	5163	3526	25325	2.5	1.8	Si
624	2X/2Y ø6/25	173	-4789	SLD 9	5787	3526	25970	2.5	33.41	2876	1086	SLD 7	5163	3526	25325	2.5	1.8	Si
595	2X/2Y ø6/25	173	-4906	SLD 9	5802	3526	25985	2.5	33.49	2876	969	SLD 7	5163	3526	25325	2.5	1.8	Si
566	2X/2Y ø6/25	173	-5023	SLD 9	5817	3526	26001	2.5	33.58	2876	852	SLD 7	5163	3526	25325	2.5	1.8	Si
537	2X/2Y ø6/25	173	-5139	SLD 9	5832	3526	26017	2.5	33.67	2876	736	SLD 7	5163	3526	25325	2.5	1.8	Si
508	2X/2Y ø6/25	173	-5256	SLD 9	5847	3526	26033	2.5	33.76	2876	619	SLD 7	5163	3526	25325	2.5	1.8	Si
741	2X/2Y ø6/25	173	-4323	SLD 9	5726	3526	25907	2.5	33.06	2876	1552	SLD 7	5163	3526	25325	2.5	1.8	Si
420	2X/2Y ø6/25	173	-5604	SLD 9	5893	3526	26079	2.5	34.02	2876	271	SLD 7	5163	3526	25325	2.5	1.8	Si
449	2X/2Y ø6/25	173	-5489	SLD 9	5878	3526	26064	2.5	33.93	2876	386	SLD 7	5163	3526	25325	2.5	1.8	Si
478	2X/2Y ø6/25	173	-5373	SLD 9	5863	3526	26048	2.5	33.84	2876	502	SLD 7	5163	3526	25325	2.5	1.8	Si
254	2X/2Y ø6/24	405	-9074	SLD 13	7569	4203	33838	2.5	18.71	2023	2866	SLD 11	6368	4203	32596	2.5	3.15	Si
260	2X/2Y ø6/24	405	-9042	SLD 13	7564	4203	33834	2.5	18.7	2023	2898	SLD 11	6368	4203	32596	2.5	3.15	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.668	284	0.686	0.248	0.682	SLV 7	No
712	0.668	284	0.686	0.248	0.682	SLV 7	No
683	0.668	284	0.686	0.248	0.682	SLV 7	No
653	0.668	284	0.686	0.248	0.682	SLV 7	No
624	0.668	284	0.686	0.248	0.682	SLV 7	No
595	0.668	284	0.686	0.248	0.682	SLV 7	No
566	0.668	284	0.686	0.248	0.682	SLV 7	No
537	0.668	284	0.686	0.248	0.682	SLV 7	No
508	0.668	284	0.686	0.248	0.682	SLV 7	No
741	0.668	284	0.686	0.248	0.682	SLV 7	No
420	0.668	284	0.686	0.248	0.682	SLV 7	No
449	0.668	284	0.686	0.248	0.682	SLV 7	No
478	0.668	284	0.686	0.248	0.682	SLV 7	No
254	1.166	1040	1.168	0.422	1.159	SLV 11	Si
260	1.166	1040	1.168	0.422	1.159	SLV 11	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	1.902	319	1.81	0.261	1.85	SLD 7	Si
712	1.902	319	1.81	0.261	1.85	SLD 7	Si
683	1.902	319	1.81	0.261	1.85	SLD 7	Si
653	1.902	319	1.81	0.261	1.85	SLD 7	Si
624	1.902	319	1.81	0.261	1.85	SLD 7	Si
595	1.902	319	1.81	0.261	1.85	SLD 7	Si
566	1.902	319	1.81	0.261	1.85	SLD 7	Si
537	1.902	319	1.81	0.261	1.85	SLD 7	Si
508	1.902	319	1.81	0.261	1.85	SLD 7	Si
741	1.902	319	1.81	0.261	1.85	SLD 7	Si
420	1.902	319	1.81	0.261	1.85	SLD 7	Si
449	1.902	319	1.81	0.261	1.85	SLD 7	Si
478	1.902	319	1.81	0.261	1.85	SLD 7	Si
254	3.32	1202	3.119	0.444	3.146	SLD 11	Si
260	3.32	1202	3.119	0.444	3.146	SLD 11	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 76A

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.

Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	396	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	816	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,4	107120	-250	-21866	1029811	-2407	SLU 29	9.614	Si
19	18.1	1.8	0	1,2,4	101731	-485	-21679	996847	-4754	SLU 29	9.799	Si
48	18.1	1.8	0	1,2,4	96247	-724	-21488	961968	-7236	SLU 29	9.995	Si
77	18.1	0.9	0	2,4	90763	-963	-21297	925615	-9820	SLU 29	10.198	Si
106	18.1	0.9	0	2,4	85280	-1202	-21106	887477	-12507	SLU 29	10.407	Si
135	18.1	0.9	0	2,4	79796	-1441	-20915	847403	-15300	SLU 29	10.62	Si
164	18.1	0.9	0	2,4	74312	-1680	-20724	805675	-18210	SLU 29	10.842	Si
193	18.1	0.9	0	2,4	68828	-1919	-20534	759621	-21174	SLU 29	11.036	Si
222	18.1	0.9	0	2,4	63344	-2157	-20343	705658	-24034	SLU 29	11.14	Si
251	18.1	0.9	0	2,4	57861	-2396	-20152	650673	-26948	SLU 29	11.246	Si
280	18.1	0.9	0	2,4	52377	-2635	-19961	594637	-29918	SLU 29	11.353	Si
309	18.1	0.9	0	2,4	46893	-2874	-19770	537518	-32945	SLU 29	11.463	Si
338	18.1	0.9	0	2,4	41409	-3113	-19579	479286	-36031	SLU 29	11.574	Si
367	19.99	1.6	0	2,3,4	35925	-3352	-19388	426910	-39832	SLU 29	11.883	Si
394	27.65	2.2	0	2,3,4	30795	-3575	-19210	393868	-45729	SLU 29	12.79	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	3,4,5	260237	85238	-4059	759728	248840	SLV 11	2.919				Si
450	18.1	2.3	0	3,4,5	237955	78948	-3939	772451	256281	SLV 11	3.246				Si
481	18.1	2.3	0	3,4,5	215469	72553	-3817	786865	264955	SLV 11	3.652				Si
511	18.1	1.1	0	5	193209	66159	-3695	804403	275444	SLV 11	4.163				Si
367	19.99	1.6	0	2,3,4	282713	65313	-6322	1209365	279390	SLV 11	4.278				Si
338	18.1	0.9	0	2,4	263176	59692	-6469	1158806	262832	SLV 11	4.403				Si
542	18.1	1.1	0	5	171264	59764	-3573	826432	288392	SLV 11	4.825				Si
309	18.1	0.9	0	2,4	243656	54085	-6615	1227603	272495	SLV 11	5.038				Si
394	27.65	2.2	0	2,3,4	300936	70581	-6184	1532315	359387	SLV 11	5.092				Si
396	28.47	2.2	0	2,3,4	301854	70848	-6178	1563279	366914	SLV 11	5.179				Si
572	18.1	1.1	0	5	149795	53370	-3452	854112	304311	SLV 11	5.702				Si
280	18.1	0.9	0	2,4	224287	48498	-6762	1311840	283664	SLV 11	5.849				Si
-10	18.1	1.8	0	1,2,4	193060	23718	-32428	1178859	144827	SLV 1	6.106				Si
19	18.1	1.8	0	1,2,4	171521	21006	-30204	1141098	139750	SLV 3	6.653				Si
48	18.1	1.8	0	1,2,4	167842	18284	-30058	1128486	122935	SLV 3	6.724				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,4	129781	10389	-23398	1124593	90021	SLD 1	8.665	Si
420	18.1	2.3	0	3,4,5	-157220	-19832	-8656	-1378992	-173948	SLD 5	8.771	Si
19	18.1	1.8	0	1,2,4	118046	9055	-22334	1086360	83329	SLD 3	9.203	Si
48	18.1	1.8	0	1,2,4	114173	7692	-22187	1065724	71801	SLD 3	9.334	Si
77	18.1	0.9	0	2,4	107594	8158	-22041	1024740	77695	SLD 3	9.524	Si
106	18.1	0.9	0	2,4	102038	10132	-21894	989157	98224	SLD 3	9.694	Si
450	18.1	2.3	0	3,4,5	-142776	-18256	-8536	-1390098	-177748	SLD 5	9.736	Si
135	18.1	0.9	0	2,4	97387	12977	-21747	958358	127700	SLD 3	9.841	Si
164	18.1	0.9	0	2,4	93432	16255	-21600	931658	162083	SLD 3	9.971	Si
193	18.1	0.9	0	2,4	90000	19755	-21453	908381	199389	SLD 3	10.093	Si
222	18.1	0.9	0	2,4	46579	5127	-22226	474916	52272	SLD 1	10.196	Si
251	18.1	0.9	0	2,4	38270	-31562	-22080	392792	-323942	SLD 1	10.264	Si
280	18.1	0.9	0	2,4	30123	-35764	-21933	311238	-369527	SLD 1	10.332	Si
309	18.1	0.9	0	2,4	22231	-39998	-21786	231242	-416062	SLD 1	10.402	Si
338	18.1	0.9	0	2,4	14670	-44255	-21639	153634	-463465	SLD 1	10.473	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	2.151	2474	1.666	0.573	1.575	SLV 11	Si
450	2.313	2474	1.666	0.573	1.575	SLV 11	Si
481	2.5	2474	1.666	0.573	1.575	SLV 11	Si
511	2.729	2474	1.666	0.573	1.575	SLV 11	Si
367	1.888	2474	1.666	0.573	1.575	SLV 11	Si
338	1.833	2474	1.666	0.573	1.575	SLV 15	Si
542	2.998	2474	1.666	0.573	1.575	SLV 11	Si
309	2.5	2474	1.666	0.573	1.575	SLV 15	Si
394	3.019	2474	1.666	0.573	1.575	SLV 11	Si
396	3.074	2474	1.666	0.573	1.575	SLV 11	Si
572	3.323	2474	1.666	0.573	1.575	SLV 11	Si
280	2.567	2474	1.666	0.573	1.575	SLV 15	Si
-10	2.6	2474	1.666	0.573	1.575	SLV 15	Si
19	2.969	2474	1.666	0.573	1.575	SLV 15	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
48	2.969	2474	1.666	0.573	1.575	SLV 13	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	5.881	2474	4.193	0.603	4.276	SLD 15	Si
420	4.869	2474	4.193	0.603	4.276	SLD 11	Si
19	6.715	2474	4.193	0.603	4.276	SLD 15	Si
48	6.715	2474	4.193	0.603	4.276	SLD 13	Si
77	6.77	2474	4.193	0.603	4.276	SLD 13	Si
106	6.783	2474	4.193	0.603	4.276	SLD 13	Si
450	5.231	2474	4.193	0.603	4.276	SLD 11	Si
135	6.742	2474	4.193	0.603	4.276	SLD 13	Si
164	6.626	2474	4.193	0.603	4.276	SLD 15	Si
193	6.489	2474	4.193	0.603	4.276	SLD 15	Si
222	6.564	2474	4.193	0.603	4.276	SLD 13	Si
251	5.977	2474	4.193	0.603	4.276	SLD 15	Si
280	5.813	2474	4.193	0.603	4.276	SLD 15	Si
309	5.655	2474	4.193	0.603	4.276	SLD 15	Si
338	5.512	2474	4.193	0.603	4.276	SLD 15	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
816	2X/2Y ø6/24.8	-38	-7498	SLU 29	6139	3562	26334	2.5	160.13	148	-7492	SLU 30	6138	3562	26334	2.5	41.51	Si
786	2X/2Y ø6/24.8	-38	-7653	SLU 29	6159	3562	26355	2.5	160.66	148	-7648	SLU 30	6159	3562	26355	2.5	41.65	Si
755	2X/2Y ø6/24.8	-38	-7812	SLU 29	6180	3562	26377	2.5	161.2	148	-7807	SLU 30	6179	3562	26376	2.5	41.79	Si
725	2X/2Y ø6/24.8	-38	-7970	SLU 29	6201	3562	26398	2.5	161.73	148	-7965	SLU 30	6200	3562	26397	2.5	41.93	Si
694	2X/2Y ø6/24.8	-38	-8129	SLU 29	6221	3562	26419	2.5	162.27	148	-8123	SLU 30	6220	3562	26419	2.5	42.07	Si
664	2X/2Y ø6/24.8	-38	-8287	SLU 29	6242	3562	26441	2.5	162.81	148	-8282	SLU 30	6241	3562	26440	2.5	42.21	Si
633	2X/2Y ø6/24.8	-38	-8445	SLU 29	6262	3562	26462	2.5	163.35	148	-8440	SLU 30	6262	3562	26461	2.5	42.35	Si
603	2X/2Y ø6/24.8	-38	-8604	SLU 29	6283	3562	26483	2.5	163.89	148	-8599	SLU 30	6282	3562	26482	2.5	41.89	Si
572	2X/2Y ø6/24.8	-38	-8762	SLU 29	6304	3562	26505	2.5	164.42	148	-8757	SLU 30	6303	3562	26504	2.5	42.63	Si
542	2X/2Y ø6/24.8	-38	-8921	SLU 29	6324	3562	26526	2.5	164.96	148	-8915	SLU 30	6324	3562	26525	2.5	42.77	Si
511	2X/2Y ø6/24.8	-38	-9079	SLU 29	6345	3562	26547	2.5	165.5	148	-9074	SLU 30	6344	3562	26546	2.5	42.9	Si
481	2X/2Y ø6/24.8	-38	-9237	SLU 29	6365	3562	26568	2.5	166.04	148	-9232	SLU 30	6365	3562	26568	2.5	43.04	Si
450	2X/2Y ø6/24.8	-38	-9396	SLU 29	6386	3562	26590	2.5	166.57	148	-9391	SLU 30	6385	3562	26589	2.5	43.18	Si
420	2X/2Y ø6/24.8	-38	-9552	SLU 29	6406	3562	26611	2.5	167.1	148	-9546	SLU 30	6406	3562	26610	2.5	43.32	Si
396	2X/2Y ø6/23.9	-13	-17490	SLU 19	8682	4223	34990	2.5	671.96	-190	-18983	SLU 36	8880	4223	35195	2.5	46.8	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
816	2X/2Y ø6/24.8	307	637	SLV 13	5163	3562	25325	2.5	16.83	1209	-9683	SLV 5	6423	3562	26628	2.5	5.31	Si
786	2X/2Y ø6/24.8	307	517	SLV 13	5163	3562	25325	2.5	16.83	1209	-9803	SLV 5	6439	3562	26645	2.5	5.33	Si
755	2X/2Y ø6/24.8	307	395	SLV 13	5163	3562	25325	2.5	16.83	1209	-9925	SLV 5	6455	3562	26661	2.5	5.34	Si
725	2X/2Y ø6/24.8	307	273	SLV 13	5163	3562	25325	2.5	16.83	1209	-10047	SLV 5	6471	3562	26677	2.5	5.35	Si
694	2X/2Y ø6/24.8	307	151	SLV 13	5163	3562	25325	2.5	16.83	1209	-10169	SLV 5	6487	3562	26694	2.5	5.37	Si
664	2X/2Y ø6/24.8	307	30	SLV 13	5163	3562	25325	2.5	16.83	1209	-10290	SLV 5	6502	3562	26710	2.5	5.38	Si
633	2X/2Y ø6/24.8	307	-92	SLV 13	5175	3562	25337	2.5	16.87	1209	-10412	SLV 5	6518	3562	26727	2.5	5.39	Si
603	2X/2Y ø6/24.8	307	-214	SLV 13	5191	3562	25354	2.5	16.92	1209	-10534	SLV 5	6534	3562	26743	2.5	5.41	Si
572	2X/2Y ø6/24.8	307	-336	SLV 13	5207	3562	25370	2.5	16.97	1209	-10656	SLV 5	6550	3562	26759	2.5	5.42	Si
542	2X/2Y ø6/24.8	307	-458	SLV 13	5223	3562	25387	2.5	17.03	1209	-10778	SLV 5	6566	3562	26776	2.5	5.43	Si
511	2X/2Y ø6/24.8	307	-580	SLV 13	5239	3562	25403	2.5	17.08	1209	-10900	SLV 5	6582	3562	26792	2.5	5.44	Si
481	2X/2Y ø6/24.8	307	-701	SLV 13	5255	3562	25419	2.5	17.13	1209	-11022	SLV 5	6598	3562	26809	2.5	5.46	Si
450	2X/2Y ø6/24.8	307	-823	SLV 13	5271	3562	25436	2.5	17.18	1209	-11143	SLV 5	6613	3562	26825	2.5	5.47	Si
420	2X/2Y ø6/24.8	307	-943	SLV 13	5286	3562	25452	2.5	17.23	1209	-11263	SLV 5	6629	3562	26841	2.5	5.48	Si
396	2X/2Y ø6/23.9	399	6211	SLV 15	6368	4223	32596	2.5	15.97	1019	-4095	SLV 11	6910	4223	33156	2.5	6.78	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
816	2X/2Y ø6/24.8	-144	-7876	SLD 3	6188	3562	26385	2.5	42.91	493	-7076	SLD 5	6084	3562	26277	2.5	12.34	Si
786	2X/2Y ø6/24.8	-144	-7996	SLD 3	6204	3562	26401	2.5	43.02	493	-7195	SLD 5	6100	3562	26294	2.5	12.37	Si
755	2X/2Y ø6/24.8	-144	-8118	SLD 3	6220	3562	26418	2.5	43.13	493	-7317	SLD 5	6116	3562	26310	2.5	11.8	Si
725	2X/2Y ø6/24.8	-144	-8240	SLD 3	6236	3562	26434	2.5	43.24	493	-7439	SLD 5	6131	3562	26326	2.5	11.83	Si
694	2X/2Y ø6/24.8	-144	-8362	SLD 3	6251	3562	26451	2.5	43.35	493	-7561	SLD 5	6147	3562	26343	2.5	11.87	Si
664	2X/2Y ø6/24.8	-144	-8483	SLD 3	6267	3562	26467	2.5	43.46	493	-7683	SLD 5	6163	3562	26359	2.5	12.5	Si
633	2X/2Y ø6/24.8	-144	-8605	SLD 3	6283	3562	26483	2.5	43.57	493	-7805	SLD 5	6179	3562	26376	2.5	12.53	Si
603	2X/2Y ø6/24.8	-144	-8727	SLD 3	6299	3562	26500	2.5	43.68	493	-7927	SLD 5	6195	3562	26392	2.5	12.56	Si
572	2X/2Y ø6/24.8	-144	-8849	SLD 3	6315	3562	26516	2.5	43.79	493	-8048	SLD 5	6211	3562	26408	2.5	12.59	Si
542	2X/2Y ø6/24.8	-144	-8971	SLD 3	6331	3562	26533	2.5	43.9	493	-8170	SLD 5	6227	3562	26425	2.5	12.63	Si
511	2X/2Y ø6/24.8	-144	-9093	SLD 3	6347	3562	26549	2.5	44.01	493	-8292	SLD 5	6242	3562	26441	2.5	12.66	Si
481	2X/2Y ø6/24.8	-144	-9214	SLD 3	6362	3562	26565	2.5	44.12	493	-8414	SLD 5	6258	3562	26458	2.5	12.69	Si
450	2X/2Y ø6/24.8	-144	-9336	SLD 3	6378	3562	26582	2.5	44.22	493	-8536	SLD 5	6274	3562	26474	2.5	12.72	Si
420	2X/2Y ø6/24.8	-144	-9456	SLD 3	6394	3562	26598	2.5	44.33	493	-8656	SLD 5	6290	3562	26490	2.5	12.76	Si
396	2X/2Y ø6/23.9	134	-7028	SLD 15	7298	4223	33558	2.5	54.38	-545	-17731	SLD 5	8714	4223	35023	2.5	15.99	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
816	4.78	2474	1.666	0.573	1.575	SLV 11	Si
786	4.78	2474	1.666	0.573	1.575	SLV 11	Si
755	4.78	2474	1.666	0.573	1.575	SLV 11	Si
725	4.78	2474	1.666	0.573	1.575	SLV 11	Si
694	4.78	2474	1.666	0.573	1.575	SLV 11	Si
664	4.78	2474	1.666	0.573	1.575	SLV 11	Si
633	4.78	2474	1.666	0.573	1.575	SLV 11	Si
603	4.78	2474	1.666	0.573	1.575	SLV 11	Si
572	4.78	2474	1.666	0.573	1.575	SLV 11	Si
542	4.78	2474	1.666	0.573	1.575	SLV 11	Si
511	4.78	2474	1.666	0.573	1.575	SLV 11	Si
481	4.78	2474	1.666	0.573	1.575	SLV 11	Si
450	4.78	2474	1.666	0.573	1.575	SLV 11	Si
420	4.78	2474	1.666	0.573	1.575	SLV 11	Si
396	5.621	2474	1.666	0.573	1.575	SLV 11	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
816	13.627	2474	4.193	0.603	4.276	SLD 11	Si
786	13.627	2474	4.193	0.603	4.276	SLD 11	Si
755	13.627	2474	4.193	0.603	4.276	SLD 11	Si
725	13.627	2474	4.193	0.603	4.276	SLD 11	Si
694	13.627	2474	4.193	0.603	4.276	SLD 11	Si
664	13.627	2474	4.193	0.603	4.276	SLD 11	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
633	13.627	2474	4.193	0.603	4.276	SLD 11	Si
603	13.627	2474	4.193	0.603	4.276	SLD 11	Si
572	13.627	2474	4.193	0.603	4.276	SLD 11	Si
542	13.627	2474	4.193	0.603	4.276	SLD 11	Si
511	13.627	2474	4.193	0.603	4.276	SLD 11	Si
481	13.627	2474	4.193	0.603	4.276	SLD 11	Si
450	13.627	2474	4.193	0.603	4.276	SLD 11	Si
420	13.627	2474	4.193	0.603	4.276	SLD 11	Si
396	16.016	2474	4.193	0.603	4.276	SLD 11	Si

Verifiche nodi trave colonna

Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 76B

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	396	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	816	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,4	86313	2562	-17664	1026974	30483	SLU 30	11.898	Si
19	18.1	1.8	0	1,2,4	81834	2637	-17476	994481	32050	SLU 30	12.152	Si
48	18.1	1.8	0	1,2,4	77276	2714	-17285	959878	33713	SLU 30	11.821	Si
77	18.1	0.9	0	2,4	72718	2791	-17095	923599	35446	SLU 30	12.701	Si
106	18.1	0.9	0	2,4	68160	2868	-16904	885462	37252	SLU 30	12.991	Si
135	18.1	0.9	0	2,4	63603	2944	-16713	845288	39130	SLU 30	13.29	Si
164	18.1	0.9	0	2,4	59045	3021	-16522	803217	41096	SLU 30	13.604	Si
193	18.1	0.9	0	2,4	54487	3098	-16331	756082	42985	SLU 30	13.876	Si
222	18.1	0.9	0	2,4	49929	3174	-16140	701030	44571	SLU 30	14.04	Si
251	18.1	0.9	0	2,4	45371	3251	-15949	644660	46194	SLU 30	14.208	Si
280	18.1	0.9	0	2,4	40814	3328	-15759	586924	47857	SLU 30	14.381	Si
309	18.1	0.9	0	2,4	36256	3405	-15568	527773	49561	SLU 30	14.557	Si
338	18.1	0.9	0	2,4	31698	3481	-15377	467153	51307	SLU 30	14.738	Si
367	19.99	1.6	0	2,3,4	27140	3558	-15186	411763	53982	SLU 30	15.172	Si
394	27.65	2.2	0	2,3,4	22877	3630	-15008	374518	59426	SLU 30	16.371	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
420	18.1	2.3	0	3,4,5	-265603	-6480	-7147	-980266	-23916	SLV 9	3.691				Si
450	18.1	2.3	0	3,4,5	202925	25438	-3971	831254	104204	SLV 7	4.096				Si
481	18.1	2.3	0	3,4,5	186788	23463	-3849	848927	106636	SLV 7	4.545				Si
511	18.1	1.1	0	5	170790	21487	-3727	870473	109512	SLV 7	5.097				Si
542	18.1	1.1	0	5	154975	19509	-3605	897247	112952	SLV 7	5.79				Si
572	18.1	1.1	0	5	139410	17530	-3483	930775	117042	SLV 7	6.677				Si
367	19.99	1.6	0	2,3,4	245001	70958	-12599	1716577	497162	SLV 11	7.006				Si
338	18.1	0.9	0	2,4	230964	65180	-12746	1682779	474892	SLV 11	7.286				Si
394	27.65	2.2	0	2,3,4	258266	76368	-12462	1933653	571773	SLV 11	7.487				Si
396	28.47	2.2	0	2,3,4	258940	76642	-12455	1953941	578331	SLV 11	7.546				Si
603	18.1	1.1	0	5	124190	15549	-3361	971340	121616	SLV 7	7.821				Si
309	18.1	0.9	0	2,4	217110	59407	-12893	1704108	466291	SLV 11	7.849				Si
280	18.1	0.9	0	2,4	203483	53643	-13040	1724055	454503	SLV 11	8.473				Si
251	18.1	0.9	0	2,4	190144	41430	-13187	1760341	383558	SLV 11	9.258				Si
633	18.1	1.1	0	5	109447	13564	-3239	1021761	126633	SLV 7	9.336				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	3,4,5	-130309	2853	-6294	-1372309	30044	SLD 9	10.531	Si
450	18.1	2.3	0	3,4,5	-119709	2830	-6174	-1401168	33126	SLD 9	11.705	Si
-10	18.1	1.8	0	1,2,4	89245	-6160	-16557	1102169	-76073	SLD 15	12.35	Si
19	18.1	1.8	0	1,2,4	84793	-4045	-16413	1069585	-51023	SLD 15	12.614	Si
48	18.1	1.8	0	1,2,4	81075	-4062	-16266	1041576	-52189	SLD 15	12.847	Si
77	18.1	0.9	0	2,4	78146	-5862	-16120	1019491	-76477	SLD 15	13.046	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
481	18.1	2.3	0	3,4,5	-108981	2807	-6052	-1424506	36695	SLD 9	13.071	Si
106	18.1	0.9	0	2,4	75833	-6258	-15973	1003467	-82808	SLD 15	13.233	Si
367	19.99	1.6	0	2,3,4	120082	32405	-11845	1596832	430910	SLD 11	13.298	Si
338	18.1	0.9	0	2,4	115730	29856	-11992	1542160	397851	SLD 11	13.326	Si
135	18.1	0.9	0	2,4	73967	-8828	-15826	990448	-118209	SLD 15	13.39	Si
164	18.1	0.9	0	2,4	72430	-11568	-15679	980050	-156521	SLD 15	13.531	Si
309	18.1	0.9	0	2,4	111459	27311	-12138	1508753	369691	SLD 11	13.536	Si
193	18.1	0.9	0	2,4	71150	-14392	-15532	972037	-196625	SLD 15	13.662	Si
280	18.1	0.9	0	2,4	107288	24769	-12285	1474209	340342	SLD 11	13.741	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	2.635	2474	1.666	0.573	1.575	SLV 7	Si
450	2.816	2474	1.666	0.573	1.575	SLV 7	Si
481	3.027	2474	1.666	0.573	1.575	SLV 7	Si
511	3.273	2474	1.666	0.573	1.575	SLV 7	Si
542	3.561	2474	1.666	0.573	1.575	SLV 7	Si
572	3.906	2474	1.666	0.573	1.575	SLV 7	Si
367	3.607	2474	1.666	0.573	1.575	SLV 7	Si
338	3.537	2474	1.666	0.573	1.575	SLV 7	Si
394	4.404	2474	1.666	0.573	1.575	SLV 7	Si
396	4.486	2474	1.666	0.573	1.575	SLV 7	Si
603	4.322	2474	1.666	0.573	1.575	SLV 7	Si
309	3.789	2474	1.666	0.573	1.575	SLV 7	Si
280	3.994	2474	1.666	0.573	1.575	SLV 1	Si
251	4.24	2474	1.666	0.573	1.575	SLV 1	Si
633	4.835	2474	1.666	0.573	1.575	SLV 7	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	5.963	2474	4.193	0.603	4.276	SLD 7	Si
450	6.373	2474	4.193	0.603	4.276	SLD 7	Si
-10	11.356	2474	4.193	0.603	4.276	SLD 1	Si
19	11.474	2474	4.193	0.603	4.276	SLD 1	Si
48	11.459	2474	4.193	0.603	4.276	SLD 1	Si
77	11.313	2474	4.193	0.603	4.276	SLD 1	Si
481	6.852	2474	4.193	0.603	4.276	SLD 7	Si
106	11.122	2474	4.193	0.603	4.276	SLD 1	Si
367	8.163	2474	4.193	0.603	4.276	SLD 7	Si
338	8.017	2474	4.193	0.603	4.276	SLD 7	Si
135	10.829	2474	4.193	0.603	4.276	SLD 1	Si
164	10.521	2474	4.193	0.603	4.276	SLD 1	Si
309	8.588	2474	4.193	0.603	4.276	SLD 7	Si
193	10.185	2474	4.193	0.603	4.276	SLD 3	Si
280	9.042	2474	4.193	0.603	4.276	SLD 1	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
816	2X/2Y ø6/24.8	-29	-5330	SLU 29	5857	3562	26043	2.5	204.25	116	-5335	SLU 30	5858	3562	26043	2.5	50.61	Si
786	2X/2Y ø6/24.8	-29	-5486	SLU 29	5877	3562	26063	2.5	204.96	116	-5490	SLU 30	5878	3562	26064	2.5	50.78	Si
755	2X/2Y ø6/24.8	-29	-5644	SLU 29	5898	3562	26085	2.5	205.68	116	-5649	SLU 30	5898	3562	26085	2.5	50.96	Si
725	2X/2Y ø6/24.8	-29	-5803	SLU 29	5918	3562	26106	2.5	206.4	116	-5807	SLU 30	5919	3562	26107	2.5	51.14	Si
694	2X/2Y ø6/24.8	-29	-5961	SLU 29	5939	3562	26127	2.5	207.12	116	-5966	SLU 30	5940	3562	26128	2.5	51.32	Si
664	2X/2Y ø6/24.8	-29	-6119	SLU 29	5960	3562	26149	2.5	207.84	116	-6124	SLU 30	5960	3562	26149	2.5	51.5	Si
633	2X/2Y ø6/24.8	-29	-6278	SLU 29	5980	3562	26170	2.5	208.56	116	-6282	SLU 30	5981	3562	26171	2.5	51.67	Si
603	2X/2Y ø6/24.8	-29	-6436	SLU 29	6001	3562	26191	2.5	209.27	116	-6441	SLU 30	6002	3562	26192	2.5	51.85	Si
572	2X/2Y ø6/24.8	-29	-6595	SLU 29	6022	3562	26213	2.5	209.99	116	-6599	SLU 30	6022	3562	26213	2.5	52.03	Si
542	2X/2Y ø6/24.8	-29	-6753	SLU 29	6042	3562	26234	2.5	210.71	116	-6758	SLU 30	6043	3562	26235	2.5	52.21	Si
511	2X/2Y ø6/24.8	-29	-6911	SLU 29	6063	3562	26255	2.5	211.43	116	-6916	SLU 30	6063	3562	26256	2.5	52.39	Si
481	2X/2Y ø6/24.8	-29	-7070	SLU 29	6083	3562	26277	2.5	212.15	116	-7074	SLU 30	6084	3562	26277	2.5	52.56	Si
450	2X/2Y ø6/24.8	-29	-7228	SLU 29	6104	3562	26298	2.5	212.87	116	-7233	SLU 30	6105	3562	26299	2.5	52.74	Si
420	2X/2Y ø6/24.8	-29	-7384	SLU 29	6124	3562	26319	2.5	213.57	116	-7389	SLU 30	6125	3562	26320	2.5	52.92	Si
396	2X/2Y ø6/23.9	1	-11334	SLU 5	7868	4223	34148	2.5	1000	-157	-14879	SLU 36	8337	4223	34633	2.5	52.95	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
816	2X/2Y ø6/24.8	-343	-1221	SLV 3	5322	3562	25489	2.5	15.51	882	-5964	SLV 9	5939	3562	26128	2.5	6.73	Si
786	2X/2Y ø6/24.8	-343	-1341	SLV 3	5338	3562	25505	2.5	15.56	882	-6084	SLV 9	5955	3562	26144	2.5	6.75	Si
755	2X/2Y ø6/24.8	-343	-1462	SLV 3	5354	3562	25522	2.5	15.6	882	-6206	SLV 9	5971	3562	26160	2.5	6.77	Si
725	2X/2Y ø6/24.8	-343	-1584	SLV 3	5370	3562	25538	2.5	15.65	882	-6328	SLV 9	5987	3562	26177	2.5	6.79	Si
694	2X/2Y ø6/24.8	-343	-1706	SLV 3	5385	3562	25555	2.5	15.7	882	-6450	SLV 9	6003	3562	26193	2.5	6.8	Si
664	2X/2Y ø6/24.8	-343	-1828	SLV 3	5401	3562	25571	2.5	15.74	882	-6571	SLV 9	6019	3562	26210	2.5	6.82	Si
633	2X/2Y ø6/24.8	-343	-1950	SLV 3	5417	3562	25587	2.5	15.79	882	-6693	SLV 9	6034	3562	26226	2.5	6.84	Si
603	2X/2Y ø6/24.8	-343	-2072	SLV 3	5433	3562	25604	2.5	15.83	882	-6815	SLV 9	6050	3562	26242	2.5	6.86	Si
572	2X/2Y ø6/24.8	-343	-2193	SLV 3	5449	3562	25620	2.5	15.88	882	-6937	SLV 9	6066	3562	26259	2.5	6.88	Si
542	2X/2Y ø6/24.8	-343	-2315	SLV 3	5465	3562	25637	2.5	15.93	882	-7059	SLV 9	6082	3562	26275	2.5	6.89	Si
511	2X/2Y ø6/24.8	-343	-2437	SLV 3	5481	3562	25653	2.5	15.97	882	-7181	SLV 9	6098	3562	26292	2.5	6.91	Si
481	2X/2Y ø6/24.8	-343	-2559	SLV 3	5496	3562	25669	2.5	16.02	882	-7302	SLV 9	6114	3562	26308	2.5	6.93	Si
450	2X/2Y ø6/24.8	-343	-2681	SLV 3	5512	3562	25686	2.5	16.07	882	-7424	SLV 9	6129	3562	26324	2.5	6.95	Si
420	2X/2Y ø6/24.8	-343	-2801	SLV 3	5528	3562	25702	2.5	16.11	882	-7544	SLV 9	6145	3562	26341	2.5	6.97	Si
396	2X/2Y ø6/23.9	-385	-1403	SLV 1	6553	4223	32788	2.5	17	-834	-9398	SLV 5	7611	4223	33882	2.5	9.13	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
816	2X/2Y ø6/24.8	-133	-3053	SLD 3	5561	3562	25736	2.5	41.84	362	-4714	SLD 9	5777	3562	25960	2.5	15.94	Si
786	2X/2Y ø6/24.8	-133	-3173	SLD 3	5576	3562	25752	2.5	41.96	362	-4834	SLD 9	5792	3562	25976	2.5	15.98	Si
755	2X/2Y ø6/24.8	-133	-3294	SLD 3	5592	3562	25768	2.5	42.08	362	-4955	SLD 9	5808	3562	25992	2.5	16.02	Si
725	2X/2Y ø6/24.8	-133	-3416	SLD 3	5608	3562	25785	2.5	42.2	362	-5077	SLD 9	5824	3562	26008	2.5	16.07	Si
694	2X/2Y ø6/24.8	-133	-3538	SLD 3	5624	3562	25801	2.5	42.32	362	-5199	SLD 9	5840	3562	26025	2.5	16.11	Si
664	2X/2Y ø6/24.8	-133	-3660	SLD 3	5640	3562	25818	2.5	41.84	362	-5321	SLD 9	5856	3562	26041	2.5	16.15	Si
633	2X/2Y ø6/24.8	-133	-3782	SLD 3	5656	3562	25834	2.5	42.56	362	-5443	SLD 9	5872	3562	26058	2.5	16.2	Si
603	2X/2Y ø6/24.8	-133	-3904	SLD 3	5671	3562	25850	2.5	42.68	362	-5565	SLD 9	5888	3562	26074	2.5	16.24	Si
572	2X/2Y ø6/24.8	-133	-4025	SLD 3	5687	3562	25867	2.5	42.8	362	-5687	SLD 9	5903	3562	26090	2.5	16.29	Si
542	2X/2Y ø6/24.8	-133	-4147	SLD 3	5703	3562	25883	2.5	42.92	362	-5808	SLD 9	5919	3562	26107	2.5	16.33	Si
511	2X/2Y ø6/24.8	-133	-4269	SLD 3	5719	3562	25900	2.5	43.03	362	-5930	SLD 9	5935	3562	26123	2.5	16.37	Si
481	2X/2Y ø6/24.8	-133	-4391	SLD 3	5735	3562	25916	2.5	43.15	362	-6052	SLD 9	5951	3562	26140	2.5	16.42	Si
450	2X/2Y ø6/24.8	-133	-4513	SLD 3	5751	3562	25933	2.5	43.27	362	-6174	SLD 9	5967	3562	26156	2.5	16.46	Si
420	2X/2Y ø6/24.8	-133	-4633	SLD 3	5766	3562	25949	2.5	43.39	362	-6294	SLD 9	5982	3562	26172	2.5	16.5	Si
396	2X/2Y ø6/23.9	-135	-7697	SLD 1	7386	4223	33650	2.5	54.89	-395	-12631	SLD 9	8039	4223	34325	2.5	20.36	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
816	6.551	2474	1.666	0.573	1.575	SLV 7	Si
786	6.551	2474	1.666	0.573	1.575	SLV 7	Si
755	6.551	2474	1.666	0.573	1.575	SLV 7	Si
725	6.551	2474	1.666	0.573	1.575	SLV 7	Si
694	6.551	2474	1.666	0.573	1.575	SLV 7	Si
664	6.551	2474	1.666	0.573	1.575	SLV 7	Si
633	6.551	2474	1.666	0.573	1.575	SLV 7	Si
603	6.551	2474	1.666	0.573	1.575	SLV 7	Si
572	6.551	2474	1.666	0.573	1.575	SLV 7	Si
542	6.551	2474	1.666	0.573	1.575	SLV 7	Si
511	6.551	2474	1.666	0.573	1.575	SLV 7	Si
481	6.551	2474	1.666	0.573	1.575	SLV 7	Si
450	6.551	2474	1.666	0.573	1.575	SLV 7	Si
420	6.551	2474	1.666	0.573	1.575	SLV 7	Si
396	8.09	2474	1.666	0.573	1.575	SLV 7	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
816	18.71	2474	4.193	0.603	4.276	SLD 7	Si
786	18.71	2474	4.193	0.603	4.276	SLD 7	Si
755	18.71	2474	4.193	0.603	4.276	SLD 7	Si
725	18.71	2474	4.193	0.603	4.276	SLD 7	Si
694	18.71	2474	4.193	0.603	4.276	SLD 7	Si
664	18.71	2474	4.193	0.603	4.276	SLD 7	Si
633	18.71	2474	4.193	0.603	4.276	SLD 7	Si
603	18.71	2474	4.193	0.603	4.276	SLD 7	Si
572	18.71	2474	4.193	0.603	4.276	SLD 7	Si
542	18.71	2474	4.193	0.603	4.276	SLD 7	Si
511	18.71	2474	4.193	0.603	4.276	SLD 7	Si
481	18.71	2474	4.193	0.603	4.276	SLD 7	Si
450	18.71	2474	4.193	0.603	4.276	SLD 7	Si
420	18.71	2474	4.193	0.603	4.276	SLD 7	Si
396	23.1	2474	4.193	0.603	4.276	SLD 7	Si

Verifiche nodi trave colonna

Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 77

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	396	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	816	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,4	70775	-82994	-18157	775933	-909899	SLU 30	10.963	Si
19	18.1	1.8	0	1,2,4	68163	-77280	-17970	767014	-869609	SLU 30	11.253	Si
48	18.1	1.8	0	1,2,4	65505	-71466	-17779	756804	-825675	SLU 30	11.553	Si
77	18.1	0.9	0	2,4	62847	-65652	-17588	745995	-779287	SLU 30	11.87	Si
106	18.1	0.9	0	2,4	60189	-59838	-17397	734471	-730180	SLU 30	12.203	Si
135	18.1	0.9	0	2,4	57532	-54024	-17206	721189	-677215	SLU 30	12.536	Si
164	18.1	0.9	0	2,4	54874	-48210	-17016	706728	-620898	SLU 30	12.879	Si
193	18.1	0.9	0	2,4	52216	-42395	-16825	691032	-561065	SLU 30	13.234	Si
222	18.1	0.9	0	2,4	49558	-36581	-16634	673321	-497010	SLU 30	13.586	Si
251	18.1	0.9	0	2,4	46901	-30767	-16443	646387	-424036	SLU 30	13.782	Si
280	18.1	0.9	0	2,4	44243	-24953	-16252	616918	-347944	SLU 30	13.944	Si
309	18.1	0.9	0	2,4	41585	-19139	-16061	586748	-270044	SLU 30	14.11	Si
338	18.1	0.9	0	2,4	38927	-13325	-15870	555854	-190270	SLU 30	14.279	Si
367	19.99	1.6	0	2,3,4	36269	-7511	-15680	532947	-110364	SLU 30	14.694	Si
394	27.65	2.2	0	2,3,4	33783	-2072	-15501	535464	-32838	SLU 30	15.85	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
338	18.1	0.9	0	2,4	-72496	74284	11136	-172478	176731	SLV 1	2.379				Si
309	18.1	0.9	0	2,4	-67812	65063	10989	-167239	160461	SLV 1	1.866				Si
367	19.99	1.6	0	2,3,4	-77509	81137	11283	-194540	203645	SLV 1	2.51				Si
280	18.1	0.9	0	2,4	-63413	57141	10842	-161551	145574	SLV 1	2.548				Si
251	18.1	0.9	0	2,4	-59260	50694	10696	-155582	133091	SLV 1	2.625				Si
222	18.1	0.9	0	2,4	-55320	45828	10549	-149411	123775	SLV 1	2.701				Si
193	18.1	0.9	0	2,4	-51564	42555	10402	-143012	118028	SLV 1	2.774				Si
164	18.1	0.9	0	2,4	-47965	40788	10255	-136360	115958	SLV 1	2.843				Si
135	18.1	0.9	0	2,4	-44505	40373	10108	-129423	117409	SLV 1	2.908				Si
106	18.1	0.9	0	2,4	-41171	41126	9962	-122033	121900	SLV 1	2.964				Si
77	18.1	0.9	0	2,4	-37964	42863	9815	-114064	128784	SLV 1	3.005				Si
48	18.1	1.8	0	1,2,4	-34929	45419	9668	-105741	137498	SLV 1	3.027				Si
19	18.1	1.8	0	1,2,4	-32493	48655	9521	-98639	147704	SLV 1	3.036				Si
-10	18.1	1.8	0	1,2,4	-27405	52378	9377	-83234	159080	SLV 1	3.037				Si
394	27.65	2.2	0	2,3,4	-82529	68869	11420	-279428	233175	SLV 1	3.386				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,4	88048	-111967	-23616	740978	-942263	SLD 15	8.416	Si
19	18.1	1.8	0	1,2,4	87627	-104218	-23472	751868	-894219	SLD 15	8.58	Si
48	18.1	1.8	0	1,2,4	85998	-96573	-23325	753489	-846145	SLD 15	8.762	Si
77	18.1	0.9	0	2,4	84633	-89224	-23178	756299	-797328	SLD 15	8.936	Si
106	18.1	0.9	0	2,4	83344	-82233	-23032	759198	-749075	SLD 15	9.109	Si
135	18.1	0.9	0	2,4	82110	-75671	-22885	761502	-701780	SLD 15	9.274	Si
164	18.1	0.9	0	2,4	80932	-69620	-22738	762992	-656349	SLD 15	9.428	Si
193	18.1	0.9	0	2,4	79814	-64163	-22591	763734	-613973	SLD 15	9.569	Si
222	18.1	0.9	0	2,4	78766	-59372	-22444	763890	-575801	SLD 15	9.698	Si
251	18.1	0.9	0	2,4	77798	-55286	-22297	763905	-542862	SLD 15	9.819	Si
280	18.1	0.9	0	2,4	76923	-51906	-22151	763639	-515283	SLD 15	9.927	Si
309	18.1	0.9	0	2,4	76158	-49185	-22004	763663	-493193	SLD 15	10.027	Si
338	18.1	0.9	0	2,4	75518	-47044	-21857	764165	-476042	SLD 15	10.119	Si
420	18.1	2.3	0	3,4,5	-114108	32643	-5007	-1161960	332399	SLD 9	10.183	Si
367	19.99	1.6	0	2,3,4	75023	-43863	-21710	774434	-452778	SLD 15	10.323	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
338	1.748	2474	1.666	0.573	1.575	SLV 1	Si
309	1.771	2474	1.666	0.573	1.575	SLV 1	Si
367	1.84	2474	1.666	0.573	1.575	SLV 1	Si
280	1.793	2474	1.666	0.573	1.575	SLV 1	Si
251	1.811	2474	1.666	0.573	1.575	SLV 1	Si
222	1.828	2474	1.666	0.573	1.575	SLV 1	Si
193	1.842	2474	1.666	0.573	1.575	SLV 1	Si
164	1.855	2474	1.666	0.573	1.575	SLV 1	Si
135	1.863	2474	1.666	0.573	1.575	SLV 1	Si
106	1.871	2474	1.666	0.573	1.575	SLV 1	Si
77	1.871	2474	1.666	0.573	1.575	SLV 1	Si
48	1.867	2474	1.666	0.573	1.575	SLV 1	Si
19	1.859	2474	1.666	0.573	1.575	SLV 1	Si
-10	1.852	2474	1.666	0.573	1.575	SLV 1	Si
394	2.336	2474	1.666	0.573	1.575	SLV 1	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	4.186	2227	4.016	0.552	3.914	SLD 1	Si
19	4.206	2257	4.038	0.555	3.932	SLD 1	Si
48	4.227	2286	4.059	0.557	3.95	SLD 1	Si
77	4.233	2296	4.067	0.558	3.957	SLD 1	Si
106	4.23	2291	4.063	0.558	3.954	SLD 1	Si
135	4.22	2276	4.052	0.557	3.945	SLD 1	Si
164	4.192	2237	4.023	0.553	3.92	SLD 1	Si
193	4.165	2198	3.994	0.55	3.896	SLD 1	Si
222	4.134	2155	3.962	0.546	3.869	SLD 1	Si
251	4.097	2103	3.923	0.541	3.836	SLD 1	Si
280	4.056	2047	3.88	0.536	3.8	SLD 1	Si
309	4.008	1983	3.829	0.53	3.757	SLD 1	Si
338	3.956	1916	3.776	0.524	3.711	SLD 1	Si
420	6.428	2474	4.193	0.603	4.276	SLD 5	Si
367	4.165	2198	3.994	0.55	3.896	SLD 1	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
816	2X/2Y ø6/24.8	-143	-4736	SLU 30	5780	3562	25963	2.5	40.48	97	-4736	SLU 30	5780	3562	25963	2.5	59.68	Si
786	2X/2Y ø6/24.8	-143	-4892	SLU 30	5800	3562	25983	2.5	40.62	97	-4892	SLU 30	5800	3562	25983	2.5	59.89	Si
755	2X/2Y ø6/24.8	-143	-5050	SLU 30	5821	3562	26005	2.5	40.77	97	-5050	SLU 30	5821	3562	26005	2.5	60.1	Si
725	2X/2Y ø6/24.8	-143	-5208	SLU 30	5841	3562	26026	2.5	40.91	97	-5208	SLU 30	5841	3562	26026	2.5	60.31	Si
694	2X/2Y ø6/24.8	-143	-5367	SLU 30	5862	3562	26047	2.5	41.05	97	-5367	SLU 30	5862	3562	26047	2.5	60.52	Si
664	2X/2Y ø6/24.8	-143	-5525	SLU 30	5882	3562	26069	2.5	41.2	97	-5525	SLU 30	5882	3562	26069	2.5	60.74	Si
633	2X/2Y ø6/24.8	-143	-5684	SLU 30	5903	3562	26090	2.5	41.34	97	-5684	SLU 30	5903	3562	26090	2.5	60.95	Si
603	2X/2Y ø6/24.8	-143	-5842	SLU 30	5924	3562	26111	2.5	41.49	97	-5842	SLU 30	5924	3562	26111	2.5	61.16	Si
572	2X/2Y ø6/24.8	-143	-6000	SLU 30	5944	3562	26133	2.5	41.63	97	-6000	SLU 30	5944	3562	26133	2.5	61.38	Si
542	2X/2Y ø6/24.8	-143	-6159	SLU 30	5965	3562	26154	2.5	41.78	97	-6159	SLU 30	5965	3562	26154	2.5	61.59	Si
511	2X/2Y ø6/24.8	-143	-6317	SLU 30	5985	3562	26175	2.5	41.92	97	-6317	SLU 30	5985	3562	26175	2.5	61.8	Si
396	2X/2Y ø6/23.9	200	-15474	SLU 29	8415	4223	34714	2.5	41.99	-92	-15311	SLU 36	8394	4223	34692	2.5	91.32	Si
394	2X/2Y ø6/23.9	200	-15483	SLU 29	8417	4223	34715	2.5	41.99	-92	-15320	SLU 36	8395	4223	34693	2.5	91.34	Si
481	2X/2Y ø6/24.8	-143	-6476	SLU 30	6006	3562	26197	2.5	42.07	97	-6476	SLU 30	6006	3562	26197	2.5	62.01	Si
367	2X/2Y ø6/23.9	200	-15661	SLU 29	8440	4223	34740	2.5	42.11	-92	-15499	SLU 36	8419	4223	34718	2.5	91.59	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
816	2X/2Y ø6/24.8	-522	-11223	SLV 15	6624	3562	26836	2.5	12.68	734	-3270	SLV 9	5589	3562	25765	2.5	7.62	Si
786	2X/2Y ø6/24.8	-522	-11343	SLV 15	6639	3562	26852	2.5	12.71	734	-3390	SLV 9	5604	3562	25781	2.5	7.64	Si
755	2X/2Y ø6/24.8	-522	-11464	SLV 15	6655	3562	26868	2.5	12.74	734	-3511	SLV 9	5620	3562	25798	2.5	7.66	Si
725	2X/2Y ø6/24.8	-522	-11586	SLV 15	6671	3562	26885	2.5	12.77	734	-3633	SLV 9	5636	3562	25814	2.5	7.68	Si
694	2X/2Y ø6/24.8	-522	-11708	SLV 15	6687	3562	26901	2.5	12.8	734	-3755	SLV 9	5652	3562	25831	2.5	7.7	Si
664	2X/2Y ø6/24.8	-522	-11830	SLV 15	6703	3562	26917	2.5	12.83	734	-3877	SLV 9	5668	3562	25847	2.5	7.73	Si
633	2X/2Y ø6/24.8	-522	-11952	SLV 15	6719	3562	26934	2.5	12.86	734	-3999	SLV 9	5684	3562	25863	2.5	7.75	Si
603	2X/2Y ø6/24.8	-522	-12074	SLV 15	6734	3562	26950	2.5	12.89	734	-4121	SLV 9	5700	3562	25880	2.5	7.77	Si
572	2X/2Y ø6/24.8	-522	-12195	SLV 15	6750	3562	26967	2.5	12.92	734	-4243	SLV 9	5715	3562	25896	2.5	7.79	Si

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
542	2X/2Y ø6/24.8	-522	-12317	SLV 15	6766	3562	26983	2.5	12.95	734	-4364	SLV 9	5731	3562	25913	2.5	7.81	Si
511	2X/2Y ø6/24.8	-522	-12439	SLV 15	6782	3562	26999	2.5	12.98	734	-4486	SLV 9	5747	3562	25929	2.5	7.83	Si
481	2X/2Y ø6/24.8	-522	-12561	SLV 15	6798	3562	27016	2.5	13.01	734	-4608	SLV 9	5763	3562	25945	2.5	7.86	Si
450	2X/2Y ø6/24.8	-522	-12683	SLV 15	6814	3562	27032	2.5	13.04	734	-4730	SLV 9	5779	3562	25962	2.5	7.88	Si
420	2X/2Y ø6/24.8	-522	-12803	SLV 15	6829	3562	27048	2.5	13.07	734	-4850	SLV 9	5794	3562	25978	2.5	7.9	Si
394	2X/2Y ø6/23.9	624	-40278	SLV 15	11698	4223	38110	2.5	18.74	-725	3296	SLV 5	6368	4223	32596	2.5	8.79	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
816	2X/2Y ø6/24.8	-251	-6215	SLD 15	5972	3562	26162	2.5	23.79	301	-3427	SLD 9	5609	3562	25786	2.5	18.66	Si
786	2X/2Y ø6/24.8	-251	-6335	SLD 15	5988	3562	26178	2.5	23.85	301	-3547	SLD 9	5625	3562	25802	2.5	18.72	Si
755	2X/2Y ø6/24.8	-251	-6457	SLD 15	6004	3562	26194	2.5	23.91	301	-3669	SLD 9	5641	3562	25819	2.5	18.77	Si
725	2X/2Y ø6/24.8	-251	-6579	SLD 15	6019	3562	26211	2.5	23.98	301	-3791	SLD 9	5657	3562	25835	2.5	18.82	Si
694	2X/2Y ø6/24.8	-251	-6701	SLD 15	6035	3562	26227	2.5	24.04	301	-3913	SLD 9	5673	3562	25852	2.5	18.87	Si
664	2X/2Y ø6/24.8	-251	-6823	SLD 15	6051	3562	26243	2.5	24.1	301	-4034	SLD 9	5688	3562	25868	2.5	18.93	Si
633	2X/2Y ø6/24.8	-251	-6944	SLD 15	6067	3562	26260	2.5	24.17	301	-4156	SLD 9	5704	3562	25884	2.5	18.98	Si
603	2X/2Y ø6/24.8	-251	-7066	SLD 15	6083	3562	26276	2.5	24.23	301	-4278	SLD 9	5720	3562	25901	2.5	19.03	Si
572	2X/2Y ø6/24.8	-251	-7188	SLD 15	6099	3562	26293	2.5	24.29	301	-4400	SLD 9	5736	3562	25917	2.5	19.08	Si
542	2X/2Y ø6/24.8	-251	-7310	SLD 15	6115	3562	26309	2.5	24.36	301	-4522	SLD 9	5752	3562	25934	2.5	19.14	Si
511	2X/2Y ø6/24.8	-251	-7432	SLD 15	6130	3562	26325	2.5	24.42	301	-4644	SLD 9	5768	3562	25950	2.5	19.19	Si
481	2X/2Y ø6/24.8	-251	-7554	SLD 15	6146	3562	26342	2.5	24.48	301	-4765	SLD 9	5784	3562	25967	2.5	19.24	Si
450	2X/2Y ø6/24.8	-251	-7675	SLD 15	6162	3562	26358	2.5	24.55	301	-4887	SLD 9	5799	3562	25983	2.5	19.3	Si
420	2X/2Y ø6/24.8	-251	-7795	SLD 15	6178	3562	26374	2.5	24.61	301	-5007	SLD 9	5815	3562	25999	2.5	19.35	Si
396	2X/2Y ø6/23.9	315	-21566	SLD 15	9222	4223	35548	2.5	29.27	-336	-11916	SLD 9	7945	4223	34227	2.5	23.67	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
816	7.945	2474	1.666	0.573	1.575	SLV 9	Si
786	7.973	2474	1.666	0.573	1.575	SLV 9	Si
755	8	2474	1.666	0.573	1.575	SLV 9	Si
725	8.017	2474	1.666	0.573	1.575	SLV 9	Si
694	8.046	2474	1.666	0.573	1.575	SLV 9	Si
664	8.061	2474	1.666	0.573	1.575	SLV 9	Si
633	8.09	2474	1.666	0.573	1.575	SLV 9	Si
603	8.104	2474	1.666	0.573	1.575	SLV 9	Si
572	8.134	2474	1.666	0.573	1.575	SLV 9	Si
542	8.148	2474	1.666	0.573	1.575	SLV 9	Si
511	8.178	2474	1.666	0.573	1.575	SLV 9	Si
481	8.207	2474	1.666	0.573	1.575	SLV 9	Si
450	8.222	2474	1.666	0.573	1.575	SLV 9	Si
420	8.251	2474	1.666	0.573	1.575	SLV 9	Si
394	6.305	2474	1.666	0.573	1.575	SLV 5	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
816	22.676	2474	4.193	0.603	4.276	SLD 9	Si
786	22.736	2474	4.193	0.603	4.276	SLD 9	Si
755	22.797	2474	4.193	0.603	4.276	SLD 9	Si
725	22.857	2474	4.193	0.603	4.276	SLD 9	Si
694	22.918	2474	4.193	0.603	4.276	SLD 9	Si
664	22.979	2474	4.193	0.603	4.276	SLD 9	Si
633	23.069	2474	4.193	0.603	4.276	SLD 9	Si
603	23.13	2474	4.193	0.603	4.276	SLD 9	Si
572	23.19	2474	4.193	0.603	4.276	SLD 9	Si
542	23.281	2474	4.193	0.603	4.276	SLD 9	Si
511	23.342	2474	4.193	0.603	4.276	SLD 9	Si
481	23.402	2474	4.193	0.603	4.276	SLD 9	Si
450	23.463	2474	4.193	0.603	4.276	SLD 9	Si
420	23.523	2474	4.193	0.603	4.276	SLD 9	Si
396	17.983	2474	4.193	0.603	4.276	SLD 5	Si

Verifiche nodi trave colonna

Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata (1886; 3756)

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-60	R 40x50	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-14.7	-19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	14.7	-19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	14.7	19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	-14.7	19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.2	-14.7	-19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	14.7	-19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	14.7	19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	-14.7	19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	1.8	0	1,2	-858567	884464	-25835	-815831	840439	SLU 29	0.95	No
-60	18.1	0.9	0	2	677002	-829208	-22981	712672	-872898	SLU 29	1.053	Si
-471	18.1	1.8	0	1,2	-757711	771911	-25647	-857680	873753	SLU 29	1.132	Si
-89	18.1	0.9	0	2	576146	-716655	-23169	743464	-924777	SLU 29	1.29	Si
-441	18.1	1.8	0	1,2	-655107	657406	-25457	-905877	909056	SLU 29	1.383	Si
-119	18.1	0.9	0	2	473542	-602150	-23359	785145	-998379	SLU 29	1.658	Si
-412	18.1	0.9	0	2	-552502	542901	-25266	-961305	944599	SLU 29	1.74	Si
-148	18.1	0.9	0	2	370938	-487645	-23550	827147	-1087390	SLU 29	2.23	Si
-383	18.1	0.9	0	2	-449898	428396	-25075	-1026118	977076	SLU 29	2.281	Si
-177	18.1	0.9	0	2	268333	-373140	-23741	854611	-1188407	SLU 29	3.185	Si
-353	18.1	0.9	0	2	-347293	313891	-24885	-1125869	1017583	SLU 29	3.242	Si
-207	18.1	0.9	0	2	165729	-258634	-23931	834675	-1302585	SLU 29	5.036	Si
-324	18.1	0.9	0	2	-245218	199325	-24774	-1244898	1011913	SLU 30	5.077	Si
-236	18.1	0.9	0	2	62788	-143955	-24202	476514	-1092513	SLU 30	7.589	Si
-295	18.1	0.9	0	2	-142549	84898	-24583	-1108646	660278	SLU 30	7.777	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-500	18.1	1.8	0	1,2	-1356631	1151845	-26277	-854980	725920	SLV 7	0.63				No
-60	18.1	0.9	0	2	1042152	-1058566	-24082	765828	-777890	SLV 7	0.735				No
-471	18.1	1.8	0	1,2	-1199105	1006671	-26133	-887015	744665	SLV 7	0.74				No
-89	18.1	0.9	0	2	884641	-913393	-24226	791832	-817569	SLV 7	0.895				No
-441	18.1	1.8	0	1,2	-1038852	858981	-25986	-934584	772767	SLV 7	0.9				No
-412	18.1	0.9	0	2	-878603	711293	-25840	-991855	802979	SLV 7	1.129				Si
-119	18.1	0.9	0	2	724411	-765704	-24373	825135	-872170	SLV 7	1.139				Si
-383	18.1	0.9	0	2	-718362	563607	-25693	-1052703	825921	SLV 7	1.465				Si
-148	18.1	0.9	0	2	564208	-618018	-24520	867918	-950694	SLV 7	1.538				Si
-353	18.1	0.9	0	2	-558137	415928	-25546	-1150520	857376	SLV 7	2.061				Si
-177	18.1	0.9	0	2	404071	-470336	-24666	905284	-1053745	SLV 7	2.24				Si
-324	18.1	0.9	0	2	-397941	268265	-25400	-1315286	886677	SLV 7	3.305				Si
-207	18.1	0.9	0	2	244222	-322668	-24813	915113	-1209055	SLV 7	3.747				Si
-295	18.1	0.9	0	2	-237829	120930	-25253	-1457074	740885	SLV 7	6.127				Si
-236	18.1	0.9	0	2	82567	-175004	-24960	563652	-1194688	SLV 7	6.827				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	1.8	0	1,2	-938774	858107	-21969	-846230	773515	SLD 7	0.901	No
-60	18.1	0.9	0	2	725483	-793976	-19774	746429	-816900	SLD 7	1.029	Si
-471	18.1	1.8	0	1,2	-829478	749602	-21825	-881510	796623	SLD 7	1.063	Si
-89	18.1	0.9	0	2	616193	-685470	-19918	774030	-861053	SLD 7	1.256	Si
-441	18.1	1.8	0	1,2	-718287	639215	-21678	-932393	829750	SLD 7	1.298	Si
-119	18.1	0.9	0	2	505013	-575084	-20065	812471	-925201	SLD 7	1.609	Si
-412	18.1	0.9	0	2	-607099	528828	-21531	-981800	855221	SLD 7	1.617	Si
-383	18.1	0.9	0	2	-495915	418443	-21385	-1052948	888457	SLD 7	2.123	Si
-148	18.1	0.9	0	2	393845	-464699	-20211	857665	-1011960	SLD 7	2.178	Si
-353	18.1	0.9	0	2	-384737	308061	-21238	-1150405	921136	SLD 7	2.99	Si
-177	18.1	0.9	0	2	282707	-354315	-20358	887601	-1112427	SLD 7	3.14	Si
-324	18.1	0.9	0	2	-273572	197686	-21091	-1303680	942053	SLD 7	4.765	Si
-207	18.1	0.9	0	2	171695	-243938	-20505	884849	-1257163	SLD 7	5.154	Si
-295	18.1	0.9	0	2	-162444	87456	-20945	-1325232	713474	SLD 7	8.158	Si
-236	18.1	0.9	0	2	59888	-133563	-20651	513734	-1145740	SLD 7	8.578	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-500	0.313	60	0.363	0.119	0.327	SLV 7	No
-60	0.482	142	0.516	0.182	0.501	SLV 7	No
-471	0.523	168	0.553	0.197	0.541	SLV 7	No
-89	0.797	417	0.803	0.293	0.805	SLV 7	No
-441	0.82	444	0.824	0.301	0.827	SLV 7	No
-412	1.234	1209	1.242	0.445	1.223	SLV 7	Si
-119	1.266	1292	1.277	0.456	1.252	SLV 7	Si
-383	1.832	2474	1.666	0.573	1.575	SLV 7	Si
-148	2.02	2474	1.666	0.573	1.575	SLV 7	Si
-353	2.869	2474	1.666	0.573	1.575	SLV 7	Si
-177	3.3	2474	1.666	0.573	1.575	SLV 9	Si
-324	3.405	2474	1.666	0.573	1.575	SLV 9	Si
-207	3.912	2474	1.666	0.573	1.575	SLV 9	Si
-295	4.175	2474	1.666	0.573	1.575	SLV 9	Si
-236	4.938	2474	1.666	0.573	1.575	SLV 9	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-500	0.703	41	0.781	0.099	0.699	SLD 7	No
-60	1.09	98	1.116	0.153	1.086	SLD 7	Si
-471	1.18	115	1.192	0.165	1.172	SLD 7	Si
-89	1.797	282	1.721	0.248	1.755	SLD 7	Si
-441	1.852	301	1.768	0.255	1.805	SLD 7	Si
-119	2.852	812	2.655	0.383	2.718	SLD 7	Si
-412	2.787	769	2.597	0.375	2.659	SLD 7	Si
-383	4.145	2169	3.973	0.547	3.878	SLD 7	Si
-148	4.568	2474	4.193	0.6	4.251	SLD 7	Si
-353	6.482	2474	4.193	0.603	4.276	SLD 7	Si
-177	7.46	2474	4.193	0.603	4.276	SLD 9	Si
-324	7.692	2474	4.193	0.603	4.276	SLD 9	Si
-207	8.844	2474	4.193	0.603	4.276	SLD 9	Si
-295	9.438	2474	4.193	0.603	4.276	SLD 9	Si
-236	11.166	2474	4.193	0.603	4.276	SLD 9	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-60	2X/2Y ø6/24.4	-3904	-22981	SLU 29	9445	3606	34750	2.5	1.82	3498	-22981	SLU 29	9228	4646	35811	2.5	2.64	Si
-89	2X/2Y ø6/24.4	-3904	-23169	SLU 29	9469	3606	34775	2.5	1.83	3498	-23169	SLU 29	9253	4646	35837	2.5	2.65	Si
-119	2X/2Y ø6/24.4	-3904	-23359	SLU 29	9494	3606	34801	2.5	1.83	3498	-23359	SLU 29	9278	4646	35864	2.5	2.65	Si
-148	2X/2Y ø6/24.4	-3904	-23550	SLU 29	9519	3606	34826	2.5	1.84	3498	-23550	SLU 29	9304	4646	35890	2.5	2.66	Si
-177	2X/2Y ø6/24.4	-3904	-23741	SLU 29	9544	3606	34852	2.5	1.84	3498	-23741	SLU 29	9330	4646	35917	2.5	2.67	Si
-207	2X/2Y ø6/24.4	-3904	-23931	SLU 29	9568	3606	34878	2.5	1.85	3498	-23931	SLU 29	9355	4646	35943	2.5	2.67	Si
-236	2X/2Y ø6/24.4	-3904	-24122	SLU 29	9593	3606	34903	2.5	1.86	3498	-24122	SLU 29	9381	4646	35970	2.5	2.68	Si
-265	2X/2Y ø6/24.4	-3904	-24313	SLU 29	9618	3606	34929	2.5	1.86	3498	-24313	SLU 29	9406	4646	35996	2.5	2.69	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-295	2X/2Y ø6/24.4	-3904	-24503	SLU 29	9643	3606	34955	2.5	1.87	3498	-24503	SLU 29	9432	4646	36023	2.5	2.7	Si
-324	2X/2Y ø6/24.4	-3904	-24694	SLU 29	9668	3606	34980	2.5	1.88	3498	-24694	SLU 29	9457	4646	36049	2.5	2.7	Si
-353	2X/2Y ø6/24.4	-3904	-24885	SLU 29	9692	3606	35006	2.5	1.88	3498	-24885	SLU 29	9483	4646	36075	2.5	2.71	Si
-383	2X/2Y ø6/24.4	-3904	-25075	SLU 29	9717	3606	35032	2.5	1.89	3498	-25075	SLU 29	9509	4646	36102	2.5	2.72	Si
-412	2X/2Y ø6/24.4	-3904	-25266	SLU 29	9742	3606	35057	2.5	2.5	3498	-25266	SLU 29	9534	4646	36128	2.5	2.73	Si
-441	2X/2Y ø6/24.4	-3904	-25457	SLU 29	9767	3606	35083	2.5	2.5	3498	-25457	SLU 29	9560	4646	36155	2.5	2.73	Si
-471	2X/2Y ø6/24.4	-3904	-25647	SLU 29	9792	3606	35109	2.5	2.51	3498	-25647	SLU 29	9585	4646	36181	2.5	2.74	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-60	2X/2Y ø6/24.4	-5776	-23422	SLV 3	9502	3606	34809	2.5	1.64	6244	-26091	SLV 7	9645	4646	36243	2.5	1.54	Si
-89	2X/2Y ø6/24.4	-5776	-23566	SLV 3	9521	3606	34829	2.5	1.65	6244	-26236	SLV 7	9664	4646	36263	2.5	1.55	Si
-119	2X/2Y ø6/24.4	-5776	-23713	SLV 3	9540	3606	34848	2.5	1.65	6244	-26382	SLV 7	9684	4646	36283	2.5	1.55	Si
-148	2X/2Y ø6/24.4	-5776	-23859	SLV 3	9559	3606	34868	2.5	1.65	6244	-26529	SLV 7	9703	4646	36303	2.5	1.55	Si
-177	2X/2Y ø6/24.4	-5776	-24006	SLV 3	9578	3606	34888	2.5	1.66	6244	-26676	SLV 7	9723	4646	36324	2.5	1.56	Si
-207	2X/2Y ø6/24.4	-5776	-24153	SLV 3	9597	3606	34908	2.5	1.66	6244	-26822	SLV 7	9743	4646	36344	2.5	1.56	Si
-236	2X/2Y ø6/24.4	-5776	-24299	SLV 3	9616	3606	34927	2.5	1.66	6244	-26969	SLV 7	9762	4646	36365	2.5	1.56	Si
-265	2X/2Y ø6/24.4	-5776	-24446	SLV 3	9635	3606	34947	2.5	1.67	6244	-27116	SLV 7	9782	4646	36385	2.5	1.57	Si
-295	2X/2Y ø6/24.4	-5776	-24593	SLV 3	9654	3606	34967	2.5	1.67	6244	-27262	SLV 7	9802	4646	36405	2.5	1.57	Si
-324	2X/2Y ø6/24.4	-5776	-24739	SLV 3	9673	3606	34986	2.5	1.67	6244	-27409	SLV 7	9822	4646	36426	2.5	1.57	Si
-353	2X/2Y ø6/24.4	-5776	-24886	SLV 3	9693	3606	35006	2.5	1.68	6244	-27556	SLV 7	9841	4646	36446	2.5	1.58	Si
-383	2X/2Y ø6/24.4	-5776	-25033	SLV 3	9712	3606	35026	2.5	1.68	6244	-27702	SLV 7	9861	4646	36466	2.5	1.58	Si
-412	2X/2Y ø6/24.4	-5776	-25179	SLV 3	9731	3606	35046	2.5	1.68	6244	-27849	SLV 7	9881	4646	36487	2.5	1.58	Si
-441	2X/2Y ø6/24.4	-5776	-25326	SLV 3	9750	3606	35065	2.5	1.69	6244	-27996	SLV 7	9900	4646	36507	2.5	1.59	Si
-471	2X/2Y ø6/24.4	-5776	-25473	SLV 3	9769	3606	35085	2.5	1.69	6244	-28142	SLV 7	9920	4646	36527	2.5	1.59	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-60	2X/2Y ø6/24.4	-3815	-18836	SLD 3	8905	3606	34192	2.5	2.33	3791	-19774	SLD 7	8798	4646	35366	2.5	2.32	Si
-89	2X/2Y ø6/24.4	-3815	-18980	SLD 3	8924	3606	34211	2.5	2.34	3791	-19918	SLD 7	8817	4646	35386	2.5	2.33	Si
-119	2X/2Y ø6/24.4	-3815	-19127	SLD 3	8943	3606	34231	2.5	2.34	3791	-20065	SLD 7	8837	4646	35407	2.5	2.33	Si
-148	2X/2Y ø6/24.4	-3815	-19273	SLD 3	8962	3606	34251	2.5	2.35	3791	-20211	SLD 7	8856	4646	35427	2.5	2.34	Si
-177	2X/2Y ø6/24.4	-3815	-19420	SLD 3	8981	3606	34270	2.5	2.35	3791	-20358	SLD 7	8876	4646	35447	2.5	2.34	Si
-207	2X/2Y ø6/24.4	-3815	-19567	SLD 3	9000	3606	34290	2.5	2.36	3791	-20505	SLD 7	8896	4646	35468	2.5	2.35	Si
-236	2X/2Y ø6/24.4	-3815	-19713	SLD 3	9019	3606	34310	2.5	2.36	3791	-20651	SLD 7	8915	4646	35488	2.5	2.35	Si
-265	2X/2Y ø6/24.4	-3815	-19860	SLD 3	9039	3606	34330	2.5	2.37	3791	-20798	SLD 7	8935	4646	35509	2.5	2.36	Si
-295	2X/2Y ø6/24.4	-3815	-20007	SLD 3	9058	3606	34349	2.5	2.37	3791	-20945	SLD 7	8955	4646	35529	2.5	2.36	Si
-324	2X/2Y ø6/24.4	-3815	-20153	SLD 3	9077	3606	34369	2.5	2.38	3791	-21091	SLD 7	8974	4646	35549	2.5	2.37	Si
-353	2X/2Y ø6/24.4	-3815	-20300	SLD 3	9096	3606	34389	2.5	2.38	3791	-21238	SLD 7	8994	4646	35570	2.5	2.37	Si
-383	2X/2Y ø6/24.4	-3815	-20447	SLD 3	9115	3606	34409	2.5	2.39	3791	-21385	SLD 7	9014	4646	35590	2.5	2.38	Si
-412	2X/2Y ø6/24.4	-3815	-20593	SLD 3	9134	3606	34428	2.5	2.39	3791	-21531	SLD 7	9033	4646	35610	2.5	2.38	Si
-441	2X/2Y ø6/24.4	-3815	-20740	SLD 3	9153	3606	34448	2.5	1.8	3791	-21678	SLD 7	9053	4646	35631	2.5	2.39	Si
-471	2X/2Y ø6/24.4	-3815	-20887	SLD 3	9172	3606	34468	2.5	1.8	3791	-21825	SLD 7	9073	4646	35651	2.5	2.39	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
-60	2.277	2474	1.666	0.573	1.575	SLV 9	Si
-89	2.277	2474	1.666	0.573	1.575	SLV 9	Si
-119	2.277	2474	1.666	0.573	1.575	SLV 9	Si
-148	2.277	2474	1.666	0.573	1.575	SLV 9	Si
-177	2.277	2474	1.666	0.573	1.575	SLV 9	Si
-207	2.277	2474	1.666	0.573	1.575	SLV 9	Si
-236	2.277	2474	1.666	0.573	1.575	SLV 9	Si
-265	2.277	2474	1.666	0.573	1.575	SLV 9	Si
-295	2.277	2474	1.666	0.573	1.575	SLV 9	Si
-324	2.277	2474	1.666	0.573	1.575	SLV 9	Si
-353	2.277	2474	1.666	0.573	1.575	SLV 9	Si
-383	2.277	2474	1.666	0.573	1.575	SLV 9	Si
-412	2.277	2474	1.666	0.573	1.575	SLV 9	Si
-441	2.277	2474	1.666	0.573	1.575	SLV 9	Si
-471	2.277	2474	1.666	0.573	1.575	SLV 9	Si

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
-60	6.482	2474	4.193	0.603	4.276	SLD 9	Si
-89	6.482	2474	4.193	0.603	4.276	SLD 9	Si
-119	6.482	2474	4.193	0.603	4.276	SLD 9	Si
-148	6.482	2474	4.193	0.603	4.276	SLD 9	Si
-177	6.482	2474	4.193	0.603	4.276	SLD 9	Si
-207	6.482	2474	4.193	0.603	4.276	SLD 9	Si
-236	6.482	2474	4.193	0.603	4.276	SLD 9	Si
-265	6.482	2474	4.193	0.603	4.276	SLD 9	Si
-295	6.482	2474	4.193	0.603	4.276	SLD 9	Si
-324	6.482	2474	4.193	0.603	4.276	SLD 9	Si
-353	6.482	2474	4.193	0.603	4.276	SLD 9	Si
-383	6.482	2474	4.193	0.603	4.276	SLD 9	Si
-412	6.482	2474	4.193	0.603	4.276	SLD 9	Si
-441	6.482	2474	4.193	0.603	4.276	SLD 9	Si
-471	6.482	2474	4.193	0.603	4.276	SLD 9	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata (2266; 3181)

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-358991	310944	-19532	-822879	712745	SLU 30	2.292	Si
449	18.1	2.3	0	2,3,4,5	-306470	264109	-19383	-850304	732773	SLU 30	2.775	Si
770	18.1	1.1	0	5	280423	-259246	-17717	817750	-755995	SLU 30	2.916	Si
478	18.1	2.3	0	2,3,4,5	-253033	216457	-19231	-882074	754571	SLU 30	3.486	Si
741	18.1	1.1	0	5	227902	-212411	-17866	846203	-788684	SLU 30	3.713	Si
508	18.1	1.1	0	5	-199596	168805	-19079	-915218	774032	SLU 30	4.585	Si
350	18.1	0.9	0	2,3,4	171409	-255222	-33226	847187	-1261433	SLU 36	4.942	Si
712	18.1	1.1	0	5	174464	-164759	-18018	871158	-822693	SLU 30	4.993	Si
320	18.1	0.9	0	2,3,4	165188	-225086	-33420	856127	-1166564	SLU 36	5.183	Si
290	18.1	0.9	0	2,3,4	158861	-194438	-33618	863687	-1057113	SLU 36	5.437	Si
260	18.1	0.9	0	2,3,4	152534	-163791	-33815	866477	-930423	SLU 36	5.681	Si
230	18.1	0.9	0	2,3,4	146208	-133144	-34012	865387	-788066	SLU 36	5.919	Si
537	18.1	1.1	0	5	-143757	121730	-20914	-878727	744085	SLU 36	6.113	Si
200	18.1	0.9	0	2,3,4	139867	-102431	-34210	857397	-627909	SLU 36	6.13	Si
-10	18.1	1.8	0	1,2,3,4	95700	111522	-35589	594536	692835	SLU 36	6.213	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	2813	2479317	-15587	878	773927	SLV 3	0.312				No
420	18.1	2.3	0	2,3,4,5	-1930306	901992	-8306	-623078	291151	SLV 7	0.323				No
350	18.1	0.9	0	2,3,4	495271	-2094936	-13770	183035	-774214	SLV 3	0.37				No
20	18.1	1.8	0	1,2,3,4	48415	2108384	-15440	18132	789615	SLV 3	0.375				No
449	18.1	2.3	0	2,3,4,5	-1647388	768399	-8191	-629580	293658	SLV 7	0.382				No
770	18.1	1.1	0	5	1514115	-724590	-6910	625249	-299217	SLV 7	0.413				No
320	18.1	0.9	0	2,3,4	456704	-1719077	-13919	211851	-797427	SLV 3	0.464				No
478	18.1	2.3	0	2,3,4,5	-1359537	632477	-8074	-639219	297374	SLV 7	0.47				No
50	18.1	1.8	0	1,2,3,4	93449	1721218	-15286	44217	814427	SLV 3	0.473				No
741	18.1	1.1	0	5	1231199	-591001	-7024	636389	-305480	SLV 7	0.517				No
290	18.1	0.9	0	2,3,4	1488286	-704773	-13932	808779	-382995	SLV 7	0.543				No
508	18.1	1.1	0	5	-1071688	496561	-7958	-654409	303217	SLV 7	0.611				No
260	18.1	0.9	0	2,3,4	1336554	-504874	-14084	833125	-314707	SLV 7	0.623				No
80	18.1	0.9	0	2,3,4	136161	1338990	-15134	87063	856169	SLV 3	0.639				No
712	18.1	1.1	0	5	432550	-923681	-5420	298955	-638398	SLV 3	0.691				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-992854	524489	-11800	-692191	365659	SLD 7	0.697	No
449	18.1	2.3	0	2,3,4,5	-847390	446579	-11685	-710853	374623	SLD 7	0.839	No
-10	18.1	1.8	0	1,2,3,4	38849	1149468	-20846	34005	1006163	SLD 3	0.875	No
770	18.1	1.1	0	5	778116	-424084	-10404	703532	-383435	SLD 7	0.904	No
350	18.1	0.9	0	2,3,4	287411	-1034622	-19028	276799	-996421	SLD 3	0.963	No
478	18.1	2.3	0	2,3,4,5	-699389	367312	-11568	-739729	388498	SLD 7	1.058	Si
20	18.1	1.8	0	1,2,3,4	61513	972356	-20699	68874	1088717	SLD 3	1.12	Si
741	18.1	1.1	0	5	632652	-346176	-10518	735809	-402622	SLD 7	1.163	Si
320	18.1	0.9	0	2,3,4	791455	-494836	-19116	999979	-625210	SLD 7	1.263	Si
508	18.1	1.1	0	5	-551389	288046	-11452	-783770	409442	SLD 7	1.421	Si
290	18.1	0.9	0	2,3,4	721763	-392978	-19268	1072774	-584093	SLD 7	1.486	Si
50	18.1	1.8	0	1,2,3,4	84035	787494	-20545	131547	1232727	SLD 3	1.565	Si
712	18.1	1.1	0	5	484653	-266913	-10635	788276	-434127	SLD 7	1.626	Si
260	18.1	0.9	0	2,3,4	652058	-291149	-19420	1177406	-525722	SLD 7	1.806	Si
537	18.1	1.1	0	5	-403391	208786	-11335	-861134	445703	SLD 7	2.135	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.403	98	0.443	0.153	0.42	SLV 3	No
420	0.29	52	0.342	0.111	0.304	SLV 7	No
350	0.429	112	0.468	0.163	0.447	SLV 3	No
20	0.477	138	0.51	0.18	0.494	SLV 3	No
449	0.364	81	0.41	0.139	0.382	SLV 7	No
770	0.396	95	0.438	0.15	0.413	SLV 7	No
320	0.532	174	0.561	0.2	0.55	SLV 3	No
478	0.469	133	0.503	0.177	0.486	SLV 7	No
50	0.582	210	0.606	0.218	0.599	SLV 3	No
741	0.518	164	0.548	0.195	0.535	SLV 7	No
290	0.608	231	0.63	0.227	0.624	SLV 7	No
508	0.625	245	0.646	0.233	0.64	SLV 7	No
260	0.693	308	0.709	0.257	0.706	SLV 7	No
80	0.737	352	0.749	0.272	0.748	SLV 3	No
712	0.709	323	0.723	0.262	0.721	SLV 7	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
420	0.656	36	0.74	0.092	0.649	SLD 7	No
449	0.824	57	0.894	0.116	0.825	SLD 7	No
-10	0.912	69	0.966	0.129	0.911	SLD 3	No
770	0.895	67	0.955	0.126	0.896	SLD 7	No
350	0.971	78	1.016	0.137	0.97	SLD 3	Si
478	1.061	93	1.092	0.149	1.055	SLD 7	Si
20	1.077	96	1.107	0.151	1.073	SLD 3	Si
741	1.17	113	1.183	0.164	1.161	SLD 7	Si
320	1.203	120	1.213	0.168	1.193	SLD 3	Si
508	1.412	167	1.388	0.197	1.394	SLD 7	Si
290	1.375	158	1.357	0.192	1.359	SLD 7	Si
50	1.316	144	1.307	0.184	1.304	SLD 3	Si
712	1.602	219	1.552	0.222	1.572	SLD 7	Si
260	1.566	208	1.519	0.217	1.538	SLD 7	Si
537	1.996	354	1.889	0.273	1.935	SLD 7	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-1634	-17717	SLU 30	7469	3526	27710	2.5	4.57	1821	-17244	SLU 29	7407	3526	27646	2.5	4.07	Si
741	2X/2Y ø6/25	-1634	-17866	SLU 30	7488	3526	27730	2.5	4.58	1821	-17393	SLU 29	7427	3526	27666	2.5	4.08	Si
712	2X/2Y ø6/25	-1634	-18018	SLU 30	7508	3526	27750	2.5	4.6	1821	-17545	SLU 29	7446	3526	27687	2.5	4.09	Si
683	2X/2Y ø6/25	-1634	-18169	SLU 30	7528	3526	27771	2.5	4.61	1821	-17697	SLU 29	7466	3526	27707	2.5	4.1	Si
653	2X/2Y ø6/25	-1634	-18321	SLU 30	7547	3526	27791	2.5	4.62	1821	-17848	SLU 29	7486	3526	27728	2.5	4.11	Si
624	2X/2Y ø6/25	-1634	-18473	SLU 30	7567	3526	27812	2.5	4.63	1821	-18000	SLU 29	7506	3526	27748	2.5	4.12	Si
595	2X/2Y ø6/25	-1634	-18624	SLU 30	7587	3526	27832	2.5	4.64	1821	-18152	SLU 29	7525	3526	27768	2.5	4.13	Si
566	2X/2Y ø6/25	-1634	-18776	SLU 30	7607	3526	27853	2.5	4.66	1821	-18303	SLU 29	7545	3526	27789	2.5	4.14	Si
537	2X/2Y ø6/25	-1634	-18928	SLU 30	7626	3526	27873	2.5	4.67	1821	-18455	SLU 29	7565	3526	27809	2.5	4.16	Si
508	2X/2Y ø6/25	-1634	-19079	SLU 30	7646	3526	27893	2.5	4.68	1821	-18607	SLU 29	7585	3526	27830	2.5	4.17	Si
478	2X/2Y ø6/25	-1634	-19231	SLU 30	7666	3526	27914	2.5	4.69	1821	-18758	SLU 29	7604	3526	27850	2.5	4.18	Si
449	2X/2Y ø6/25	-1634	-19383	SLU 30	7686	3526	27934	2.5	4.7	1821	-18910	SLU 29	7624	3526	27871	2.5	4.19	Si
420	2X/2Y ø6/25	-1634	-19532	SLU 30	7705	3526	27954	2.5	4.72	1821	-19059	SLU 29	7643	3526	27891	2.5	4.2	Si
350	2X/2Y ø6/24	-1217	-28301	SLU 26	10113	4203	36470	2.5	8.31	214	-32562	SLU 29	10677	4203	37054	2.5	49.81	Si
320	2X/2Y ø6/24	-1217	-28495	SLU 26	10139	4203	36497	2.5	8.33	214	-32756	SLU 29	10702	4203	37080	2.5	49.93	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-11516	-3111	SLV 3	5568	3526	25744	2.5	0.48	12105	-5280	SLV 7	5850	3526	26036	2.5	0.48	No
741	2X/2Y ø6/25	-11516	-3226	SLV 3	5583	3526	25759	2.5	0.48	12105	-5395	SLV 7	5865	3526	26051	2.5	0.48	No
712	2X/2Y ø6/25	-11516	-3343	SLV 3	5598	3526	25775	2.5	0.49	12105	-5512	SLV 7	5881	3526	26067	2.5	0.49	No
683	2X/2Y ø6/25	-11516	-3459	SLV 3	5614	3526	25791	2.5	0.49	12105	-5628	SLV 7	5896	3526	26083	2.5	0.49	No
653	2X/2Y ø6/25	-11516	-3576	SLV 3	5629	3526	25806	2.5	0.49	12105	-5745	SLV 7	5911	3526	26098	2.5	0.49	No
624	2X/2Y ø6/25	-11516	-3693	SLV 3	5644	3526	25822	2.5	0.49	12105	-5862	SLV 7	5926	3526	26114	2.5	0.49	No
595	2X/2Y ø6/25	-11516	-3809	SLV 3	5659	3526	25838	2.5	0.49	12105	-5978	SLV 7	5941	3526	26130	2.5	0.49	No
566	2X/2Y ø6/25	-11516	-3926	SLV 3	5674	3526	25854	2.5	0.49	12105	-6095	SLV 7	5956	3526	26145	2.5	0.49	No
537	2X/2Y ø6/25	-11516	-4043	SLV 3	5689	3526	25869	2.5	0.49	12105	-6212	SLV 7	5972	3526	26161	2.5	0.49	No
508	2X/2Y ø6/25	-11516	-4159	SLV 3	5705	3526	25885	2.5	0.5	12105	-6328	SLV 7	5987	3526	26177	2.5	0.49	No
478	2X/2Y ø6/25	-11516	-4276	SLV 3	5720	3526	25901	2.5	0.5	12105	-6445	SLV 7	6002	3526	26193	2.5	0.5	No
350	2X/2Y ø6/24	-15846	-11317	SLV 3	7865	4203	34145	2.5	0.5	6599	-11142	SLV 7	7842	4203	34121	2.5	1.19	No
449	2X/2Y ø6/25	-11516	-4393	SLV 3	5735	3526	25916	2.5	0.5	12105	-6562	SLV 7	6017	3526	26208	2.5	0.5	No
320	2X/2Y ø6/24	-15846	-11466	SLV 3	7885	4203	34166	2.5	0.5	6599	-11291	SLV 7	7862	4203	34142	2.5	1.19	No
420	2X/2Y ø6/25	-11516	-4507	SLV 3	5750	3526	25932	2.5	0.5	12105	-6676	SLV 7	6032	3526	26224	2.5	0.5	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-4806	-9642	SLD 3	6418	3526	26623	2.5	1.34	5074	-10404	SLD 7	6517	3526	26725	2.5	1.28	Si
741	2X/2Y ø6/25	-4806	-9757	SLD 3	6433	3526	26638	2.5	1.34	5074	-10518	SLD 7	6532	3526	26741	2.5	1.29	Si
712	2X/2Y ø6/25	-4806	-9873	SLD 3	6448	3526	26654	2.5	1.34	5074	-10635	SLD 7	6547	3526	26757	2.5	1.29	Si
683	2X/2Y ø6/25	-4806	-9990	SLD 3	6463	3526	26670	2.5	1.34	5074	-10752	SLD 7	6562	3526	26772	2.5	1.29	Si
653	2X/2Y ø6/25	-4806	-10107	SLD 3	6479	3526	26686	2.5	1.35	5074	-10868	SLD 7	6578	3526	26788	2.5	1.3	Si
624	2X/2Y ø6/25	-4806	-10223	SLD 3	6494	3526	26701	2.5	1.35	5074	-10985	SLD 7	6593	3526	26804	2.5	1.3	Si
595	2X/2Y ø6/25	-4806	-10340	SLD 3	6509	3526	26717	2.5	1.35	5074	-11102	SLD 7	6608	3526	26819	2.5	1.3	Si
566	2X/2Y ø6/25	-4806	-10457	SLD 3	6524	3526	26733	2.5	1.36	5074	-11218	SLD 7	6623	3526	26835	2.5	1.31	Si
537	2X/2Y ø6/25	-4806	-10573	SLD 3	6539	3526	26748	2.5	1.36	5074	-11335	SLD 7	6638	3526	26851	2.5	1.31	Si
508	2X/2Y ø6/25	-4806	-10690	SLD 3	6554	3526	26764	2.5	1.36	5074	-11452	SLD 7	6654	3526	26867	2.5	1.31	Si
478	2X/2Y ø6/25	-4806	-10807	SLD 3	6570	3526	26780	2.5	1.37	5074	-11568	SLD 7	6669	3526	26882	2.5	1.31	Si
449	2X/2Y ø6/25	-4806	-10923	SLD 3	6585	3526	26795	2.5	1.37	5074	-11685	SLD 7	6684	3526	26898	2.5	1.32	Si
420	2X/2Y ø6/25	-4806	-11038	SLD 3	6600	3526	26811	2.5	1.37	5074	-11800	SLD 7	6699	3526	26913	2.5	1.32	Si
350	2X/2Y ø6/24	-6084	-19028	SLD 3	8886	4203	35201	2.5	1.46	2417	-18967	SLD 7	8878	4203	35192	2.5	3.67	Si
320	2X/2Y ø6/24	-6084	-19178	SLD 3	8906	4203	35221	2.5	1.46	2417	-19116	SLD 7	8897	4203	35213	2.5	3.68	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	0.473	136	0.507	0.179	0.491	SLV 7	No
741	0.474	136	0.507	0.179	0.491	SLV 7	No
712	0.476	137	0.509	0.179	0.492	SLV 7	No
683	0.477	138	0.51	0.18	0.494	SLV 7	No
653	0.478	139	0.512	0.18	0.496	SLV 7	No
624	0.479	140	0.513	0.181	0.498	SLV 7	No
595	0.48	140	0.513	0.181	0.498	SLV 7	No
566	0.481	141	0.515	0.182	0.499	SLV 7	No
537	0.482	142	0.516	0.182	0.501	SLV 7	No
508	0.484	143	0.518	0.183	0.502	SLV 7	No
478	0.485	143	0.518	0.183	0.502	SLV 7	No
350	0.52	165	0.549	0.195	0.536	SLV 3	No
449	0.486	144	0.519	0.183	0.504	SLV 7	No
320	0.521	167	0.552	0.196	0.539	SLV 3	No
420	0.488	145	0.521	0.184	0.506	SLV 7	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	1.348	151	1.332	0.188	1.332	SLD 7	Si
741	1.35	153	1.34	0.189	1.337	SLD 7	Si
712	1.354	153	1.34	0.189	1.337	SLD 7	Si
683	1.357	154	1.343	0.189	1.341	SLD 7	Si
653	1.361	155	1.347	0.19	1.346	SLD 7	Si
624	1.363	155	1.347	0.19	1.346	SLD 7	Si
595	1.367	156	1.35	0.191	1.35	SLD 7	Si
566	1.371	157	1.354	0.191	1.355	SLD 7	Si
537	1.375	158	1.357	0.192	1.359	SLD 7	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
508	1.379	159	1.361	0.192	1.364	SLD 7	Si
478	1.383	161	1.368	0.193	1.368	SLD 7	Si
449	1.387	161	1.368	0.193	1.368	SLD 7	Si
420	1.391	162	1.371	0.194	1.372	SLD 7	Si
350	1.48	185	1.448	0.206	1.46	SLD 3	Si
320	1.484	186	1.451	0.207	1.464	SLD 3	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata (2266; 3521)

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-545	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-545	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-545	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-545	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.6	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	1.8	0	1,2	-6249	547326	-50005	-19329	1693000	SLU 36	3.093	Si
-470	18.1	1.8	0	1,2	-7224	484090	-49811	-23811	1595626	SLU 36	3.296	Si
770	18.1	1.1	0	6	118500	-349081	-25937	417464	-1229779	SLU 36	3.523	Si
-440	18.1	1.8	0	1,2	-8215	419781	-49614	-28953	1479405	SLU 36	3.524	Si
420	18.1	2.3	0	3,4,5,6	-153908	302837	-27751	-564765	1111261	SLU 36	3.67	Si
-410	18.1	0.9	0	2	-9207	355472	-49416	-34756	1341885	SLU 36	3.775	Si
-80	18.1	0.9	0	2	-20097	-350852	-47248	-78271	-1366445	SLU 36	3.895	Si
-380	18.1	0.9	0	2	-9407	287712	-49497	-38074	1164451	SLU 30	4.047	Si
741	18.1	1.1	0	6	96125	-295533	-26086	397586	-1222370	SLU 36	4.136	Si
-110	18.1	0.9	0	2	-19122	-287615	-47442	-79591	-1197127	SLU 36	4.162	Si
-10	18.1	1.8	0	2,3,4,5	-21833	285476	-45885	-93134	1217744	SLU 36	4.266	Si
449	18.1	2.3	0	3,4,5,6	-131532	249288	-27602	-566191	1073081	SLU 36	4.305	Si
-350	18.1	0.9	0	2	-10503	224797	-49300	-45519	974264	SLU 30	4.334	Si
-140	18.1	0.9	0	2	-18131	-223306	-47639	-80699	-993933	SLU 36	4.451	Si
350	18.1	0.9	0	3,4,5	95992	-252515	-43522	431121	-1134100	SLU 36	4.491	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	2,3,4,5	-293395	2536678	-8748	-84592	731375	SLV 3	0.288				No
20	18.1	1.8	0	2,3,4,5	-232621	2175039	-8601	-78974	738423	SLV 3	0.339				No
350	18.1	0.9	0	3,4,5	2128225	-913914	-7535	725677	-311624	SLV 7	0.341				No
320	18.1	0.9	0	3,4,5	1825373	-740767	-7684	735819	-298608	SLV 7	0.403				No
420	18.1	2.3	0	3,4,5,6	-1630722	-306228	-12301	-664430	-124771	SLV 11	0.407				No
50	18.1	1.8	0	2,3,4,5	-169152	1797576	-8447	-70486	749059	SLV 3	0.417				No
449	18.1	2.3	0	3,4,5,6	-1390067	-265074	-12186	-678282	-129343	SLV 11	0.488				No
290	18.1	0.9	0	3,4,5	1517387	-564695	-7836	750750	-279391	SLV 7	0.495				No
770	18.1	1.1	0	6	1299380	196696	-10905	674695	102133	SLV 11	0.519				No
80	18.1	0.9	0	3,4,5	-106412	1424926	-8295	-57181	765686	SLV 3	0.537				No
-80	18.1	0.9	0	2	-1380003	-68544	-13780	-833534	-41401	SLV 7	0.604				No
478	18.1	2.3	0	3,4,5,6	-1145219	-223236	-12070	-699457	-136344	SLV 11	0.611				No
260	18.1	0.9	0	3,4,5	1209398	-388650	-7988	773233	-248485	SLV 7	0.639				No
741	18.1	1.1	0	6	1058730	155588	-11020	698674	102675	SLV 11	0.66				No
-110	18.1	0.9	0	2	-1243784	-50590	-13929	-855685	-34804	SLV 7	0.688				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3,4,5	-138141	1238552	-21976	-110862	993979	SLD 3	0.803	No
20	18.1	1.8	0	2,3,4,5	-107692	1060825	-21829	-108438	1068175	SLD 3	1.007	Si
350	18.1	0.9	0	3,4,5	977299	-506670	-20423	987061	-511730	SLD 7	1.01	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	3,4,5,6	-777585	-21846	-15838	-847158	-23801	SLD 11	1.089	Si
320	18.1	0.9	0	3,4,5	839679	-412108	-20573	1059293	-519893	SLD 7	1.262	Si
50	18.1	1.8	0	2,3,4,5	-75895	875320	-21675	-103390	1192424	SLD 3	1.362	Si
449	18.1	2.3	0	3,4,5,6	-662966	-23541	-15724	-910236	-32321	SLD 11	1.373	Si
770	18.1	1.1	0	6	-139314	-716546	-20871	-192932	-992318	SLD 1	1.385	Si
290	18.1	0.9	0	3,4,5	699727	-315949	-20725	1171570	-529001	SLD 7	1.674	Si
741	18.1	1.1	0	6	-114276	-593835	-20985	-211865	-1100954	SLD 1	1.854	Si
478	18.1	2.3	0	3,4,5,6	-546351	-25281	-15607	-1014617	-46949	SLD 11	1.857	Si
80	18.1	0.9	0	3,4,5	-44468	692180	-21523	-90602	1410291	SLD 3	2.037	Si
-80	18.1	0.9	0	2	638958	-321583	-35091	1423902	-716639	SLD 5	2.228	Si
260	18.1	0.9	0	3,4,5	559773	-219802	-20876	1352630	-531127	SLD 7	1.816	Si
712	18.1	1.1	0	6	363697	-218911	-16506	945803	-569284	SLD 7	2.601	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.38	87	0.422	0.144	0.395	SLV 3	No
20	0.444	120	0.482	0.168	0.462	SLV 3	No
350	0.446	121	0.484	0.169	0.464	SLV 7	No
320	0.519	165	0.549	0.195	0.536	SLV 7	No
420	0.473	136	0.507	0.179	0.491	SLV 11	No
50	0.534	175	0.563	0.201	0.551	SLV 3	No
449	0.558	192	0.584	0.209	0.575	SLV 11	No
290	0.616	238	0.638	0.23	0.632	SLV 7	No
770	0.585	212	0.609	0.219	0.601	SLV 11	No
80	0.657	274	0.676	0.244	0.671	SLV 3	No
-80	0.735	350	0.747	0.271	0.746	SLV 7	No
478	0.679	293	0.695	0.252	0.692	SLV 11	No
260	0.75	365	0.76	0.276	0.76	SLV 7	No
741	0.722	336	0.735	0.267	0.733	SLV 11	No
-110	0.802	422	0.807	0.294	0.809	SLV 7	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.858	61	0.919	0.121	0.857	SLD 3	No
20	1.005	84	1.048	0.142	1.004	SLD 3	Si
350	1.008	84	1.048	0.142	1.004	SLD 7	Si
420	1.068	94	1.097	0.15	1.061	SLD 11	Si
320	1.172	114	1.187	0.165	1.167	SLD 7	Si
50	1.207	121	1.217	0.169	1.199	SLD 3	Si
449	1.26	132	1.261	0.176	1.25	SLD 11	Si
770	1.324	146	1.314	0.185	1.308	SLD 11	Si
290	1.393	163	1.375	0.194	1.377	SLD 7	Si
741	1.631	228	1.578	0.226	1.601	SLD 11	Si
478	1.533	199	1.492	0.213	1.508	SLD 11	Si
80	1.485	186	1.451	0.207	1.464	SLD 3	Si
-80	1.662	237	1.603	0.23	1.628	SLD 7	Si
260	1.693	247	1.63	0.234	1.658	SLD 7	Si
712	2.11	400	1.986	0.288	2.04	SLD 11	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-1868	-25937	SLU 36	8538	3526	28816	2.5	4.57	778	-24041	SLU 30	8292	3526	28561	2.5	10.66	Si
741	2X/2Y ø6/25	-1868	-26086	SLU 36	8558	3526	28836	2.5	4.58	778	-24190	SLU 30	8311	3526	28581	2.5	10.68	Si
712	2X/2Y ø6/25	-1868	-26237	SLU 36	8578	3526	28857	2.5	4.59	778	-24341	SLU 30	8331	3526	28602	2.5	10.71	Si
683	2X/2Y ø6/25	-1868	-26389	SLU 36	8597	3526	28877	2.5	4.6	778	-24493	SLU 30	8351	3526	28622	2.5	10.74	Si
653	2X/2Y ø6/25	-1868	-26541	SLU 36	8617	3526	28898	2.5	4.61	778	-24645	SLU 30	8370	3526	28642	2.5	10.76	Si
624	2X/2Y ø6/25	-1868	-26692	SLU 36	8637	3526	28918	2.5	4.62	778	-24796	SLU 30	8390	3526	28663	2.5	10.79	Si
595	2X/2Y ø6/25	-1868	-26844	SLU 36	8656	3526	28939	2.5	4.63	778	-24948	SLU 30	8410	3526	28683	2.5	10.81	Si
566	2X/2Y ø6/25	-1868	-26996	SLU 36	8676	3526	28959	2.5	4.64	778	-25100	SLU 30	8429	3526	28704	2.5	10.84	Si
537	2X/2Y ø6/25	-1868	-27147	SLU 36	8696	3526	28979	2.5	4.66	778	-25251	SLU 30	8449	3526	28724	2.5	10.86	Si
508	2X/2Y ø6/25	-1868	-27299	SLU 36	8716	3526	29000	2.5	4.67	778	-25403	SLU 30	8469	3526	28745	2.5	10.89	Si
478	2X/2Y ø6/25	-1868	-27451	SLU 36	8735	3526	29020	2.5	4.68	778	-25555	SLU 30	8489	3526	28765	2.5	10.91	Si
449	2X/2Y ø6/25	-1868	-27602	SLU 36	8755	3526	29041	2.5	4.69	778	-25706	SLU 30	8508	3526	28785	2.5	10.94	Si
420	2X/2Y ø6/25	-1868	-27751	SLU 36	8775	3526	29061	2.5	4.7	778	-25855	SLU 30	8528	3526	28805	2.5	10.96	Si
-80	2X/2Y ø6/24.7	-2061	-40896	SLU 26	11780	4082	38194	2.5	5.72	-36	-39291	SLU 19	11567	4082	37975	2.5	325.73	Si
-110	2X/2Y ø6/24.7	-2061	-41090	SLU 26	11805	4082	38221	2.5	5.73	-36	-39485	SLU 19	11593	4082	38001	2.5	326.45	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-15368	-763	SLV 3	6469	4203	32700	2.5	0.42	12878	-1524	SLV 7	6569	4203	32805	2.5	0.51	No
320	2X/2Y ø6/24	-15368	-912	SLV 3	6489	4203	32721	2.5	0.42	12878	-1674	SLV 7	6589	4203	32825	2.5	0.51	No
290	2X/2Y ø6/24	-15368	-1064	SLV 3	6509	4203	32742	2.5	0.42	12878	-1825	SLV 7	6609	4203	32846	2.5	0.51	No
260	2X/2Y ø6/24	-15368	-1216	SLV 3	6529	4203	32762	2.5	0.42	12878	-1977	SLV 7	6629	4203	32867	2.5	0.51	No
230	2X/2Y ø6/24	-15368	-1368	SLV 3	6549	4203	32783	2.5	0.43	12878	-2129	SLV 7	6650	4203	32887	2.5	0.52	No
200	2X/2Y ø6/24	-15368	-1520	SLV 3	6569	4203	32804	2.5	0.43	12878	-2281	SLV 7	6670	4203	32908	2.5	0.52	No
170	2X/2Y ø6/24	-15368	-1672	SLV 3	6589	4203	32825	2.5	0.43	12878	-2433	SLV 7	6690	4203	32929	2.5	0.52	No
140	2X/2Y ø6/24	-15368	-1824	SLV 3	6609	4203	32846	2.5	0.43	12878	-2585	SLV 7	6710	4203	32950	2.5	0.52	No
110	2X/2Y ø6/24	-15368	-1976	SLV 3	6629	4203	32866	2.5	0.43	12878	-2737	SLV 7	6730	4203	32971	2.5	0.52	No
80	2X/2Y ø6/24	-15368	-2127	SLV 3	6649	4203	32887	2.5	0.43	12878	-2889	SLV 7	6750	4203	32991	2.5	0.52	No
50	2X/2Y ø6/24	-15368	-2279	SLV 3	6669	4203	32908	2.5	0.43	12878	-3040	SLV 7	6770	4203	33012	2.5	0.53	No
20	2X/2Y ø6/24	-15368	-2433	SLV 3	6690	4203	32929	2.5	0.44	12878	-3194	SLV 7	6790	4203	33033	2.5	0.53	No
-10	2X/2Y ø6/24	-15368	-2581	SLV 3	6709	4203	32949	2.5	0.44	12878	-3342	SLV 7	6810	4203	33053	2.5	0.53	No
770	2X/2Y ø6/25	7408	-6933	SLV 15	6066	3526	26258	2.5	0.82	10446	-9256	SLV 11	6368	3526	26571	2.5	0.61	No
741	2X/2Y ø6/25	7408	-7048	SLV 15	6081	3526	26274	2.5	0.82	10446	-9370	SLV 11	6383	3526	26586	2.5	0.61	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-6105	-20159	SLD 3	9035	4203	35356	2.5	1.48	5000	-25319	SLD 11	9718	4203	36062	2.5	1.94	Si
320	2X/2Y ø6/24	-6105	-20308	SLD 3	9055	4203	35376	2.5	1.48	5000	-25469	SLD 11	9738	4203	36082	2.5	1.95	Si
290	2X/2Y ø6/24	-6105	-20460	SLD 3	9075	4203	35397	2.5	1.49	5000	-25620	SLD 11	9758	4203	36103	2.5	1.95	Si
260	2X/2Y ø6/24	-6105	-20612	SLD 3	9095	4203	35418	2.5	1.49	5000	-25772	SLD 11	9778	4203	36124	2.5	1.96	Si
230	2X/2Y ø6/24	-6105	-20764	SLD 3	9115	4203	35438	2.5	1.49	5000	-25924	SLD 11	9798	4203	36145	2.5	1.96	Si
200	2X/2Y ø6/24	-6105	-20916	SLD 3	9136	4203	35459	2.5	1.5	5000	-26076	SLD 11	9819	4203	36166	2.5	1.96	Si
170	2X/2Y ø6/24	-6105	-21067	SLD 3	9156	4203	35480	2.5	1.5	5000	-26228	SLD 11	9839	4203	36186	2.5	1.97	Si
140	2X/2Y ø6/24	-6105	-21219	SLD 3	9176	4203	35501	2.5	1.5	5000	-26380	SLD 11	9859	4203	36207	2.5	1.97	Si
110	2X/2Y ø6/24	-6105	-21371	SLD 3	9196	4203	35522	2.5	1.51	5000	-26532	SLD 11	9879	4203	36228	2.5	1.98	Si
80	2X/2Y ø6/24	-6105	-21523	SLD 3	9216	4203	35542	2.5	1.51	5000	-26684	SLD 11	9899	4203	36249	2.5	1.98	Si
50	2X/2Y ø6/24	-6105	-21675	SLD 3	9236	4203	35563	2.5	1.51	5000	-26835	SLD 11	9919	4203	36270	2.5	1.98	Si
20	2X/2Y ø6/24	-6105	-21829	SLD 3	9256	4203	35584	2.5	1.52	5000	-26989	SLD 11	9939	4203	36291	2.5	1.99	Si

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-10	2X/2Y ø6/24	-6105	-21976	SLD 3	9276	4203	35604	2.5	1.52	5000	-27137	SLD 11	9959	4203	36311	2.5	1.99	Si
770	2X/2Y ø6/25	-4281	-20871	SLD 1	7879	3526	28134	2.5	1.84	3998	-14442	SLD 11	7043	3526	27269	2.5	1.76	Si
741	2X/2Y ø6/25	-4281	-20985	SLD 1	7894	3526	28150	2.5	1.84	3998	-14557	SLD 11	7058	3526	27285	2.5	1.77	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.512	160	0.542	0.192	0.529	SLV 3	No
320	0.513	161	0.544	0.193	0.53	SLV 3	No
290	0.514	161	0.544	0.193	0.53	SLV 3	No
260	0.516	163	0.546	0.194	0.534	SLV 3	No
230	0.517	163	0.546	0.194	0.534	SLV 3	No
200	0.518	164	0.548	0.195	0.535	SLV 3	No
170	0.519	165	0.549	0.195	0.536	SLV 3	No
140	0.52	165	0.549	0.195	0.536	SLV 3	No
110	0.521	166	0.55	0.196	0.538	SLV 3	No
80	0.521	167	0.552	0.196	0.539	SLV 3	No
50	0.522	167	0.552	0.196	0.539	SLV 3	No
20	0.524	169	0.555	0.197	0.542	SLV 3	No
-10	0.525	169	0.555	0.197	0.542	SLV 3	No
770	0.629	249	0.65	0.234	0.644	SLV 11	No
741	0.63	250	0.651	0.235	0.645	SLV 11	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.457	178	1.425	0.203	1.436	SLD 3	Si
320	1.461	180	1.432	0.203	1.44	SLD 3	Si
290	1.465	181	1.435	0.204	1.444	SLD 3	Si
260	1.467	181	1.435	0.204	1.444	SLD 3	Si
230	1.471	182	1.438	0.204	1.448	SLD 3	Si
200	1.473	183	1.442	0.205	1.452	SLD 3	Si
170	1.477	184	1.445	0.205	1.456	SLD 3	Si
140	1.48	185	1.448	0.206	1.46	SLD 3	Si
110	1.482	185	1.448	0.206	1.46	SLD 3	Si
80	1.486	186	1.451	0.207	1.464	SLD 3	Si
50	1.488	186	1.451	0.207	1.464	SLD 3	Si
20	1.492	187	1.454	0.207	1.468	SLD 3	Si
-10	1.496	188	1.458	0.208	1.472	SLD 3	Si
770	1.789	279	1.714	0.246	1.745	SLD 11	Si
741	1.793	281	1.719	0.247	1.751	SLD 11	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata (2266; 3796)

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	209029	794407	-8422	183941	699061	SLU 30	0.88	No
449	18.1	2.3	0	2,3,4,5	183829	682647	-8273	193385	718131	SLU 30	1.052	Si
770	18.1	1.1	0	5	-97758	-566206	-6607	-123291	-714088	SLU 30	1.261	Si
478	18.1	2.3	0	2,3,4,5	160646	566137	-7918	210489	741787	SLU 29	1.31	Si
741	18.1	1.1	0	5	-72559	-454446	-6756	-121026	-758003	SLU 30	1.668	Si
508	18.1	1.1	0	5	134444	453153	-7766	232710	784369	SLU 29	1.731	Si
350	18.1	0.9	0	2,3,4	-87170	-706160	-20931	-165615	-1341631	SLU 29	1.9	Si
320	18.1	0.9	0	2,3,4	-105320	-607284	-21126	-254437	-1467100	SLU 29	1.816	Si
712	18.1	1.1	0	5	-46920	-340737	-6908	-116075	-842946	SLU 30	1.874	Si
537	18.1	1.1	0	5	108241	340170	-7614	271792	854161	SLU 29	2.511	Si
-10	18.1	1.8	0	1,2,3,4	-311553	498666	-23500	-785482	1257229	SLU 30	2.521	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
20	18.1	1.8	0	1,2,3,4	-293106	400815	-23308	-898760	1229034	SLU 30	3.066	Si
290	18.1	0.9	0	2,3,4	-123778	-506731	-21323	-385568	-1578466	SLU 29	3.115	Si
50	18.1	1.8	0	1,2,3,4	-273851	298682	-23108	-1061816	1158094	SLU 30	3.877	Si
260	18.1	0.9	0	2,3,4	-142235	-406178	-21520	-554036	-1582147	SLU 29	3.895	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
350	18.1	0.9	0	2,3,4	-2204196	-743426	22347	-581394	-196091	SLV 5	0.264				No
320	18.1	0.9	0	2,3,4	-1899551	-661896	22197	-567852	-197867	SLV 5	0.299				No
290	18.1	0.9	0	2,3,4	-1589809	-564112	22045	-549866	-195109	SLV 5	0.346				No
420	18.1	2.3	0	2,3,4,5	1571408	1000940	5830	548928	349650	SLV 5	0.349				No
-10	18.1	1.8	0	1,2,3,4	-582196	2213142	-16558	-207225	787738	SLV 3	0.356				No
449	18.1	2.3	0	2,3,4,5	1337720	861739	5944	542519	349483	SLV 5	0.406				No
260	18.1	0.9	0	2,3,4	-1280168	-573307	21894	-524007	-234670	SLV 5	0.409				No
770	18.1	1.1	0	5	-1274412	-699410	7226	-536213	-294279	SLV 5	0.421				No
20	18.1	1.8	0	1,2,3,4	-714723	1865433	-16411	-308193	804386	SLV 3	0.431				No
478	18.1	2.3	0	2,3,4,5	1099972	720167	6061	533624	349371	SLV 5	0.485				No
230	18.1	0.9	0	2,3,4	-970691	-485655	21742	-486520	-243415	SLV 5	0.501				No
741	18.1	1.1	0	5	-1040740	-560853	7111	-527820	-284441	SLV 5	0.507				No
50	18.1	1.8	0	1,2,3,4	-583925	1502557	-16257	-325361	837218	SLV 3	0.557				No
508	18.1	1.1	0	5	862253	578686	6178	520321	349204	SLV 5	0.603				No
712	18.1	1.1	0	5	-803020	-420685	6994	-514854	-269721	SLV 5	0.641				No

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2,3,4	-1013575	-605920	1928	-649408	-388219	SLD 5	0.641	No
420	18.1	2.3	0	2,3,4,5	485891	940869	-3905	320217	620062	SLD 1	0.659	No
320	18.1	0.9	0	2,3,4	-885239	-530971	1778	-648087	-388725	SLD 5	0.732	No
-10	18.1	1.8	0	1,2,3,4	-374637	1175458	-16302	-285862	896920	SLD 3	0.763	No
449	18.1	2.3	0	2,3,4,5	417386	805338	-3790	323991	625135	SLD 1	0.776	No
290	18.1	0.9	0	2,3,4	-754758	-448169	1626	-646958	-384159	SLD 5	0.857	No
770	18.1	1.1	0	5	-348316	-710185	-2509	-301706	-615152	SLD 1	0.866	No
20	18.1	1.8	0	1,2,3,4	-426880	983230	-16155	-404196	930981	SLD 3	0.947	No
478	18.1	2.3	0	2,3,4,5	347691	667456	-3673	329459	632457	SLD 1	0.948	No
260	18.1	0.9	0	2,3,4	-624321	-412710	1475	-640994	-423732	SLD 5	1.027	Si
741	18.1	1.1	0	5	-279815	-574745	-2623	-304287	-625009	SLD 1	1.087	Si
508	18.1	1.1	0	5	436621	433931	-465	524240	521011	SLD 5	1.201	Si
50	18.1	1.8	0	1,2,3,4	-362326	782611	-16001	-461608	997057	SLD 3	1.274	Si
230	18.1	0.9	0	2,3,4	-493957	-334392	1323	-636850	-431125	SLD 5	1.289	Si
712	18.1	1.1	0	5	-375932	-320267	352	-543085	-462669	SLD 5	1.445	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.24	36	0.294	0.091	0.25	SLV 1	No
320	0.321	63	0.37	0.122	0.336	SLV 1	No
290	0.389	92	0.432	0.148	0.407	SLV 5	No
420	0.125	9	0.167	0.044	0.12	SLV 1	No
-10	0.325	65	0.375	0.124	0.341	SLV 3	No
449	0.237	35	0.291	0.09	0.247	SLV 1	No
260	0.452	124	0.488	0.171	0.47	SLV 5	No
770	0.328	65	0.375	0.125	0.344	SLV 1	No
20	0.417	105	0.456	0.158	0.434	SLV 3	No
478	0.396	95	0.438	0.15	0.413	SLV 1	No
230	0.545	183	0.573	0.205	0.563	SLV 5	No
741	0.494	149	0.527	0.186	0.512	SLV 5	No
50	0.565	197	0.59	0.212	0.582	SLV 3	No
508	0.568	200	0.594	0.213	0.586	SLV 5	No
712	0.648	266	0.668	0.241	0.663	SLV 5	No

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
350	0.541	24	0.627	0.074	0.524	SLD 1	No
420	0.283	6	0.355	0.037	0.264	SLD 1	No
320	0.727	44	0.804	0.101	0.718	SLD 1	No
-10	0.734	45	0.811	0.103	0.727	SLD 3	No
449	0.537	24	0.627	0.074	0.524	SLD 1	No
290	0.878	65	0.943	0.124	0.881	SLD 5	No
770	0.74	46	0.818	0.104	0.737	SLD 1	No
20	0.941	74	0.995	0.133	0.941	SLD 3	No
478	0.895	67	0.955	0.126	0.896	SLD 1	No
260	1.021	86	1.058	0.143	1.017	SLD 5	Si
741	1.117	103	1.139	0.157	1.11	SLD 5	Si
508	1.285	138	1.284	0.18	1.275	SLD 5	Si
50	1.277	135	1.273	0.178	1.265	SLD 3	Si
230	1.23	125	1.233	0.172	1.219	SLD 5	Si
712	1.467	181	1.435	0.204	1.444	SLD 5	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-3899	-6607	SLU 30	6023	3526	26214	2.5	1.54	-932	-5733	SLU 20	5909	3526	26097	2.5	6.34	Si
741	2X/2Y ø6/25	-3899	-6756	SLU 30	6043	3526	26235	2.5	1.55	-932	-5882	SLU 20	5929	3526	26117	2.5	6.36	Si
712	2X/2Y ø6/25	-3899	-6908	SLU 30	6062	3526	26255	2.5	1.55	-932	-6034	SLU 20	5949	3526	26137	2.5	6.38	Si
683	2X/2Y ø6/25	-3899	-7060	SLU 30	6082	3526	26275	2.5	1.56	-932	-6186	SLU 20	5968	3526	26158	2.5	6.4	Si
653	2X/2Y ø6/25	-3899	-7211	SLU 30	6102	3526	26296	2.5	1.57	-932	-6337	SLU 20	5988	3526	26178	2.5	6.42	Si
624	2X/2Y ø6/25	-3899	-7363	SLU 30	6122	3526	26316	2.5	1.57	-932	-6489	SLU 20	6008	3526	26199	2.5	6.45	Si
595	2X/2Y ø6/25	-3899	-7515	SLU 30	6141	3526	26337	2.5	1.58	-932	-6641	SLU 20	6028	3526	26219	2.5	6.47	Si
566	2X/2Y ø6/25	-3899	-7666	SLU 30	6161	3526	26357	2.5	1.58	-932	-6792	SLU 20	6047	3526	26239	2.5	6.49	Si
537	2X/2Y ø6/25	-3899	-7818	SLU 30	6181	3526	26377	2.5	1.59	-932	-6944	SLU 20	6067	3526	26260	2.5	6.51	Si
508	2X/2Y ø6/25	-3899	-7970	SLU 30	6200	3526	26398	2.5	1.59	-932	-7096	SLU 20	6087	3526	26280	2.5	6.53	Si
478	2X/2Y ø6/25	-3899	-8121	SLU 30	6220	3526	26418	2.5	1.6	-932	-7247	SLU 20	6106	3526	26301	2.5	6.55	Si
449	2X/2Y ø6/25	-3899	-8273	SLU 30	6240	3526	26439	2.5	1.6	-932	-7399	SLU 20	6126	3526	26321	2.5	6.57	Si
420	2X/2Y ø6/25	-3899	-8422	SLU 30	6259	3526	26459	2.5	1.61	-932	-7548	SLU 20	6146	3526	26341	2.5	6.59	Si
350	2X/2Y ø6/24	-3352	-20931	SLU 29	9138	4203	35461	2.5	2.73	644	-20630	SLU 36	9098	4203	35420	2.5	14.14	Si
320	2X/2Y ø6/24	-3352	-21126	SLU 29	9163	4203	35488	2.5	2.73	644	-20824	SLU 36	9123	4203	35447	2.5	14.18	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
260	2X/2Y ø6/24	-12535	10187	SLV 1	6368	4203	32596	2.5	0.51	-13125	31417	SLV 5	6368	4203	32596	2.5	0.49	No
350	2X/2Y ø6/24	-12535	10640	SLV 1	6368	4203	32596	2.5	0.51	-13125	31870	SLV 5	6368	4203	32596	2.5	0.49	No
320	2X/2Y ø6/24	-12535	10491	SLV 1	6368	4203	32596	2.5	0.51	-13125	31721	SLV 5	6368	4203	32596	2.5	0.49	No
290	2X/2Y ø6/24	-12535	10339	SLV 1	6368	4203	32596	2.5	0.51	-13125	31569	SLV 5	6368	4203	32596	2.5	0.49	No

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
170	2X/2Y ø6/24	-12535	9731	SLV 1	6368	4203	32596	2.5	0.51	-13125	30961	SLV 5	6368	4203	32596	2.5	0.49	No
200	2X/2Y ø6/24	-12535	9883	SLV 1	6368	4203	32596	2.5	0.51	-13125	31113	SLV 5	6368	4203	32596	2.5	0.49	No
230	2X/2Y ø6/24	-12535	10035	SLV 1	6368	4203	32596	2.5	0.51	-13125	31265	SLV 5	6368	4203	32596	2.5	0.49	No
80	2X/2Y ø6/24	-12535	9276	SLV 1	6368	4203	32596	2.5	0.51	-13125	30506	SLV 5	6368	4203	32596	2.5	0.49	No
110	2X/2Y ø6/24	-12535	9427	SLV 1	6368	4203	32596	2.5	0.51	-13125	30658	SLV 5	6368	4203	32596	2.5	0.49	No
140	2X/2Y ø6/24	-12535	9579	SLV 1	6368	4203	32596	2.5	0.51	-13125	30809	SLV 5	6368	4203	32596	2.5	0.49	No
-10	2X/2Y ø6/24	-12535	8822	SLV 1	6368	4203	32596	2.5	0.51	-13125	30053	SLV 5	6368	4203	32596	2.5	0.49	No
20	2X/2Y ø6/24	-12535	8970	SLV 1	6368	4203	32596	2.5	0.51	-13125	30200	SLV 5	6368	4203	32596	2.5	0.49	No
50	2X/2Y ø6/24	-12535	9124	SLV 1	6368	4203	32596	2.5	0.51	-13125	30354	SLV 5	6368	4203	32596	2.5	0.49	No
653	2X/2Y ø6/25	-8405	1057	SLV 1	5163	3526	25325	2.5	0.61	-10099	9858	SLV 5	5163	3526	25325	2.5	0.51	No
683	2X/2Y ø6/25	-8405	1174	SLV 1	5163	3526	25325	2.5	0.61	-10099	9975	SLV 5	5163	3526	25325	2.5	0.51	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-4729	-2509	SLD 1	5490	3526	25663	2.5	1.16	-3978	583	SLD 5	5163	3526	25325	2.5	1.3	Si
741	2X/2Y ø6/25	-4729	-2623	SLD 1	5505	3526	25678	2.5	1.16	-3978	468	SLD 5	5163	3526	25325	2.5	1.3	Si
712	2X/2Y ø6/25	-4729	-2740	SLD 1	5520	3526	25694	2.5	1.17	-3978	352	SLD 5	5163	3526	25325	2.5	1.3	Si
683	2X/2Y ø6/25	-4729	-2857	SLD 1	5535	3526	25710	2.5	1.17	-3978	235	SLD 5	5163	3526	25325	2.5	1.3	Si
653	2X/2Y ø6/25	-4729	-2973	SLD 1	5550	3526	25725	2.5	1.17	-3978	118	SLD 5	5163	3526	25325	2.5	1.3	Si
624	2X/2Y ø6/25	-4729	-3090	SLD 1	5565	3526	25741	2.5	1.18	-3978	2	SLD 5	5163	3526	25325	2.5	1.3	Si
595	2X/2Y ø6/25	-4729	-3207	SLD 1	5581	3526	25757	2.5	1.18	-3978	-115	SLD 5	5178	3526	25341	2.5	1.3	Si
566	2X/2Y ø6/25	-4729	-3323	SLD 1	5596	3526	25772	2.5	1.18	-3978	-232	SLD 5	5194	3526	25356	2.5	1.31	Si
537	2X/2Y ø6/25	-4729	-3440	SLD 1	5611	3526	25788	2.5	1.19	-3978	-348	SLD 5	5209	3526	25372	2.5	1.31	Si
508	2X/2Y ø6/25	-4729	-3557	SLD 1	5626	3526	25804	2.5	1.19	-3978	-465	SLD 5	5224	3526	25388	2.5	1.31	Si
478	2X/2Y ø6/25	-4729	-3673	SLD 1	5641	3526	25819	2.5	1.19	-3978	-582	SLD 5	5239	3526	25403	2.5	1.32	Si
350	2X/2Y ø6/24	-5936	-5529	SLD 1	7099	4203	33353	2.5	1.2	-4354	1928	SLD 5	6368	4203	32596	2.5	1.46	Si
449	2X/2Y ø6/25	-4729	-3790	SLD 1	5657	3526	25835	2.5	1.2	-3978	-698	SLD 5	5254	3526	25419	2.5	1.32	Si
420	2X/2Y ø6/25	-4729	-3905	SLD 1	5671	3526	25851	2.5	1.2	-3978	-813	SLD 5	5269	3526	25434	2.5	1.32	Si
320	2X/2Y ø6/24	-5936	-5678	SLD 1	7119	4203	33373	2.5	1.2	-4354	1778	SLD 5	6368	4203	32596	2.5	1.46	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
260	0.442	119	0.48	0.168	0.46	SLV 1	No
350	0.438	116	0.475	0.166	0.455	SLV 1	No
320	0.439	117	0.477	0.166	0.457	SLV 1	No
290	0.44	118	0.479	0.167	0.459	SLV 1	No
170	0.446	121	0.484	0.169	0.464	SLV 1	No
200	0.445	120	0.482	0.168	0.462	SLV 1	No
230	0.443	119	0.48	0.168	0.46	SLV 1	No
80	0.451	124	0.488	0.171	0.47	SLV 1	No
110	0.449	122	0.485	0.17	0.466	SLV 1	No
140	0.448	122	0.485	0.17	0.466	SLV 1	No
-10	0.455	126	0.492	0.172	0.473	SLV 1	No
20	0.454	125	0.49	0.172	0.471	SLV 1	No
50	0.452	124	0.488	0.171	0.47	SLV 1	No
653	0.477	138	0.51	0.18	0.494	SLV 5	No
683	0.475	137	0.509	0.179	0.492	SLV 1	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
770	1.336	149	1.325	0.187	1.323	SLD 1	Si
741	1.344	150	1.329	0.187	1.327	SLD 1	Si
712	1.348	151	1.332	0.188	1.332	SLD 1	Si
683	1.355	154	1.343	0.189	1.341	SLD 1	Si
653	1.359	155	1.347	0.19	1.346	SLD 1	Si
624	1.359	155	1.347	0.19	1.346	SLD 5	Si
595	1.359	155	1.347	0.19	1.346	SLD 5	Si
566	1.359	155	1.347	0.19	1.346	SLD 5	Si
537	1.359	155	1.347	0.19	1.346	SLD 5	Si
508	1.359	155	1.347	0.19	1.346	SLD 5	Si
478	1.359	155	1.347	0.19	1.346	SLD 5	Si
350	1.246	129	1.249	0.174	1.235	SLD 1	Si
449	1.359	155	1.347	0.19	1.346	SLD 5	Si
420	1.359	155	1.347	0.19	1.346	SLD 5	Si
320	1.25	130	1.253	0.175	1.24	SLD 1	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata (3876; 3793)

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-310669	-253170	-17867	-859926	-700770	SLU 20	2.768	Si
449	18.1	2.3	0	2,3,4,5	-265964	-214931	-17718	-887051	-716844	SLU 20	3.335	Si
770	18.1	1.1	0	5	234135	212763	-16245	839100	762504	SLU 21	3.584	Si
350	18.1	0.9	0	2,3,4	279770	236067	-49993	1032363	871097	SLU 30	3.69	Si
-10	18.1	1.8	0	1,2,3,4	-322048	-6343	-52356	-1211377	-23858	SLU 30	3.761	Si
320	18.1	0.9	0	2,3,4	230317	216148	-50187	898417	843145	SLU 30	3.901	Si
20	18.1	1.8	0	1,2,3,4	-273244	13315	-52164	-1080430	52651	SLU 30	3.954	Si
290	18.1	0.9	0	2,3,4	180026	195891	-50385	741118	806428	SLU 30	4.117	Si
50	18.1	1.8	0	1,2,3,4	-222303	33834	-51964	-924527	140710	SLU 30	4.159	Si
478	18.1	2.3	0	2,3,4,5	-220480	-176025	-17566	-921431	-735647	SLU 20	4.179	Si
260	18.1	0.9	0	2,3,4	129735	175634	-50582	560579	758905	SLU 30	4.321	Si
80	18.1	0.9	0	2,3,4	-164572	54046	-51830	-719557	236305	SLU 36	4.372	Si
110	18.1	0.9	0	2,3,4	-116432	74305	-51633	-511023	326123	SLU 36	4.389	Si
140	18.1	0.9	0	2,3,4	-68293	94563	-51436	-300889	416631	SLU 36	4.406	Si
170	18.1	0.9	0	2,3,4	-20153	114821	-51238	-89135	507836	SLU 36	4.423	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	-3837548	21490	-31869	-805793	4512	SLV 7	0.21				No
20	18.1	1.8	0	1,2,3,4	-3294944	734	-31721	-828321	184	SLV 7	0.251				No
350	18.1	0.9	0	2,3,4	2853471	-134393	-30051	843325	-39719	SLV 7	0.296				No
50	18.1	1.8	0	1,2,3,4	-2728592	-12503	-31567	-863489	-3957	SLV 7	0.316				No
320	18.1	0.9	0	2,3,4	2303653	-122423	-30200	892361	-47423	SLV 7	0.387				No
80	18.1	0.9	0	2,3,4	-2169456	-24864	-31415	-922161	-10569	SLV 7	0.425				No
290	18.1	0.9	0	2,3,4	1744517	-110248	-30352	987322	-62396	SLV 7	0.566				No
420	18.1	2.3	0	2,3,4,5	-1218043	-36231	-11915	-693145	-20618	SLV 7	0.569				No
110	18.1	0.9	0	2,3,4	-1610319	-37114	-31264	-1038970	-23946	SLV 7	0.645				No
449	18.1	2.3	0	2,3,4,5	-1038754	-31469	-11800	-712492	-21585	SLV 7	0.686				No
770	18.1	1.1	0	5	254450	1011434	-12043	180099	715888	SLV 15	0.708				No
478	18.1	2.3	0	2,3,4,5	-856339	-26627	-11683	-742498	-23087	SLV 7	0.867				No
741	18.1	1.1	0	5	206849	830457	-12158	187664	753434	SLV 15	0.907				No
260	18.1	0.9	0	2,3,4	1132555	523585	-29851	1106575	511574	SLV 11	0.977				No
508	18.1	1.1	0	5	-673926	-21789	-11567	-793976	-25670	SLV 7	1.178				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-1832996	6946	-35063	-1032102	3911	SLD 7	0.563	No
20	18.1	1.8	0	1,2,3,4	-1572566	5944	-34915	-1117641	4224	SLD 7	0.711	No
350	18.1	0.9	0	2,3,4	1378446	38879	-33245	1176410	33180	SLD 7	0.853	No
50	18.1	1.8	0	1,2,3,4	-1300738	8628	-34761	-1271895	8437	SLD 7	0.978	No
320	18.1	0.9	0	2,3,4	1068864	376194	-33105	1256638	442283	SLD 11	1.176	Si
420	18.1	2.3	0	2,3,4,5	-619467	-379514	-13258	-765672	-469086	SLD 11	1.236	Si
80	18.1	0.9	0	2,3,4	-1032373	11592	-34609	-1507377	16925	SLD 7	1.46	Si
449	18.1	2.3	0	2,3,4,5	-528632	-322220	-13143	-797268	-485963	SLD 11	1.508	Si
770	18.1	1.1	0	5	210926	539256	-12594	331884	848497	SLD 15	1.573	Si
290	18.1	0.9	0	2,3,4	811656	340536	-33257	1390465	583380	SLD 11	1.713	Si
478	18.1	2.3	0	2,3,4,5	-436214	-263930	-13027	-844061	-510697	SLD 11	1.935	Si
741	18.1	1.1	0	5	171061	442699	-12708	355051	918860	SLD 15	2.076	Si
110	18.1	0.9	0	2,3,4	-764009	14603	-34458	-1804704	34496	SLD 7	2.362	Si
260	18.1	0.9	0	2,3,4	554448	304879	-33409	1403891	771970	SLD 11	2.532	Si
508	18.1	1.1	0	5	-343796	-205645	-12910	-909764	-544184	SLD 11	2.646	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.295	54	0.347	0.113	0.31	SLV 7	No
20	0.353	75	0.397	0.134	0.368	SLV 7	No
350	0.394	94	0.436	0.15	0.411	SLV 11	No
50	0.437	116	0.475	0.166	0.455	SLV 7	No
320	0.501	153	0.532	0.189	0.518	SLV 11	No
80	0.56	193	0.586	0.21	0.576	SLV 7	No
290	0.672	287	0.689	0.249	0.685	SLV 11	No
420	0.559	192	0.584	0.209	0.575	SLV 7	No
110	0.762	378	0.771	0.281	0.771	SLV 7	No
449	0.689	304	0.705	0.255	0.702	SLV 7	No
770	0.713	327	0.727	0.264	0.724	SLV 15	No
478	0.875	515	0.876	0.32	0.879	SLV 7	No
741	0.914	573	0.915	0.334	0.917	SLV 15	No
260	0.983	683	0.983	0.358	0.984	SLV 11	No
508	1.156	1017	1.157	0.418	1.15	SLV 7	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.667	37	0.748	0.093	0.659	SLD 7	No
20	0.797	54	0.874	0.113	0.799	SLD 7	No
350	0.891	66	0.949	0.125	0.888	SLD 11	No
50	0.986	80	1.027	0.139	0.984	SLD 7	Si
320	1.132	106	1.152	0.159	1.127	SLD 11	Si
420	1.266	133	1.265	0.177	1.255	SLD 7	Si
80	1.265	133	1.265	0.177	1.255	SLD 7	Si
449	1.559	206	1.513	0.216	1.531	SLD 7	Si
770	1.613	222	1.56	0.223	1.583	SLD 15	Si
290	1.52	195	1.48	0.211	1.496	SLD 11	Si
478	1.979	348	1.876	0.271	1.919	SLD 7	Si
741	2.066	382	1.949	0.282	2	SLD 15	Si
110	1.721	256	1.654	0.238	1.683	SLD 7	Si
260	2.222	448	2.081	0.302	2.14	SLD 11	Si

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
508	2.611	656	1.833	0.352	1.896	SLD 7	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	1347	-15601	SLU 19	7193	3562	27425	2.5	5.34	1559	-16052	SLU 20	7252	3562	27486	2.5	4.65	Si
741	2X/2Y ø6/24.8	1347	-15750	SLU 19	7213	3562	27445	2.5	5.36	1559	-16201	SLU 20	7272	3562	27506	2.5	4.66	Si
712	2X/2Y ø6/24.8	1347	-15902	SLU 19	7233	3562	27466	2.5	5.37	1559	-16353	SLU 20	7291	3562	27526	2.5	4.68	Si
683	2X/2Y ø6/24.8	1347	-16053	SLU 19	7252	3562	27486	2.5	5.38	1559	-16504	SLU 20	7311	3562	27547	2.5	4.69	Si
653	2X/2Y ø6/24.8	1347	-16205	SLU 19	7272	3562	27506	2.5	5.4	1559	-16656	SLU 20	7331	3562	27567	2.5	4.7	Si
624	2X/2Y ø6/24.8	1347	-16357	SLU 19	7292	3562	27527	2.5	5.41	1559	-16808	SLU 20	7351	3562	27588	2.5	4.71	Si
595	2X/2Y ø6/24.8	1347	-16508	SLU 19	7312	3562	27547	2.5	5.43	1559	-16959	SLU 20	7370	3562	27608	2.5	4.73	Si
566	2X/2Y ø6/24.8	1347	-16660	SLU 19	7331	3562	27568	2.5	5.44	1559	-17111	SLU 20	7390	3562	27628	2.5	4.74	Si
537	2X/2Y ø6/24.8	1347	-16812	SLU 19	7351	3562	27588	2.5	5.46	1559	-17263	SLU 20	7410	3562	27649	2.5	4.75	Si
508	2X/2Y ø6/24.8	1347	-16963	SLU 19	7371	3562	27609	2.5	5.47	1559	-17414	SLU 20	7429	3562	27669	2.5	4.76	Si
478	2X/2Y ø6/24.8	1347	-17115	SLU 19	7391	3562	27629	2.5	5.49	1559	-17566	SLU 20	7449	3562	27690	2.5	4.78	Si
449	2X/2Y ø6/24.8	1347	-17267	SLU 19	7410	3562	27649	2.5	5.5	1559	-17718	SLU 20	7469	3562	27710	2.5	4.79	Si
420	2X/2Y ø6/24.8	1347	-17416	SLU 19	7430	3562	27669	2.5	5.52	1559	-17867	SLU 20	7488	3562	27730	2.5	4.8	Si
350	2X/2Y ø6/23.9	675	-50057	SLU 36	12670	4223	39449	2.5	18.76	1665	-46638	SLU 20	12540	4223	38981	2.5	7.53	Si
320	2X/2Y ø6/23.9	675	-50251	SLU 36	12670	4223	39475	2.5	18.76	1665	-46832	SLU 20	12565	4223	39007	2.5	7.55	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	5784	-32120	SLV 15	10618	4223	36993	2.5	1.84	23158	-28562	SLV 7	10147	4223	36506	2.5	0.44	No
320	2X/2Y ø6/23.9	5784	-32269	SLV 15	10638	4223	37013	2.5	1.84	23158	-28711	SLV 7	10167	4223	36526	2.5	0.44	No
290	2X/2Y ø6/23.9	5784	-32421	SLV 15	10658	4223	37034	2.5	1.84	23158	-28863	SLV 7	10187	4223	36547	2.5	0.44	No
260	2X/2Y ø6/23.9	5784	-32573	SLV 15	10678	4223	37055	2.5	1.85	23158	-29015	SLV 7	10207	4223	36568	2.5	0.44	No
230	2X/2Y ø6/23.9	5784	-32725	SLV 15	10698	4223	37076	2.5	1.85	23158	-29166	SLV 7	10227	4223	36589	2.5	0.44	No
200	2X/2Y ø6/23.9	5784	-32877	SLV 15	10719	4223	37097	2.5	1.85	23158	-29319	SLV 7	10248	4223	36610	2.5	0.44	No
170	2X/2Y ø6/23.9	5784	-33029	SLV 15	10739	4223	37117	2.5	1.86	23158	-29470	SLV 7	10268	4223	36630	2.5	0.44	No
140	2X/2Y ø6/23.9	5784	-33181	SLV 15	10759	4223	37138	2.5	1.86	23158	-29622	SLV 7	10288	4223	36651	2.5	0.44	No
110	2X/2Y ø6/23.9	5784	-33333	SLV 15	10779	4223	37159	2.5	1.86	23158	-29774	SLV 7	10308	4223	36672	2.5	0.45	No
80	2X/2Y ø6/23.9	5784	-33484	SLV 15	10799	4223	37180	2.5	1.87	23158	-29926	SLV 7	10328	4223	36693	2.5	0.45	No
50	2X/2Y ø6/23.9	5784	-33636	SLV 15	10819	4223	37201	2.5	1.87	23158	-30078	SLV 7	10348	4223	36713	2.5	0.45	No
20	2X/2Y ø6/23.9	5784	-33790	SLV 15	10839	4223	37222	2.5	1.87	23158	-30232	SLV 7	10368	4223	36735	2.5	0.45	No
-10	2X/2Y ø6/23.9	5784	-33938	SLV 15	10859	4223	37242	2.5	1.88	23158	-30379	SLV 7	10388	4223	36755	2.5	0.45	No
770	2X/2Y ø6/24.8	7687	-11787	SLV 15	6697	3562	26912	2.5	0.87	7574	-9865	SLV 7	6447	3562	26653	2.5	0.85	No
741	2X/2Y ø6/24.8	7687	-11901	SLV 15	6712	3562	26927	2.5	0.87	7574	-9980	SLV 7	6462	3562	26668	2.5	0.85	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	2358	-34495	SLD 15	10933	4223	37318	2.5	4.64	8946	-33245	SLD 7	10767	4223	37147	2.5	1.2	Si
320	2X/2Y ø6/23.9	2358	-34644	SLD 15	10952	4223	37339	2.5	4.64	8946	-33394	SLD 7	10787	4223	37168	2.5	1.21	Si
290	2X/2Y ø6/23.9	2358	-34796	SLD 15	10972	4223	37359	2.5	4.65	8946	-33546	SLD 7	10807	4223	37188	2.5	1.21	Si
260	2X/2Y ø6/23.9	2358	-34948	SLD 15	10993	4223	37380	2.5	4.66	8946	-33698	SLD 7	10827	4223	37209	2.5	1.21	Si
230	2X/2Y ø6/23.9	2358	-35100	SLD 15	11013	4223	37401	2.5	4.67	8946	-33850	SLD 7	10847	4223	37230	2.5	1.21	Si
200	2X/2Y ø6/23.9	2358	-35252	SLD 15	11033	4223	37422	2.5	4.68	8946	-34002	SLD 7	10867	4223	37251	2.5	1.21	Si
170	2X/2Y ø6/23.9	2358	-35404	SLD 15	11053	4223	37443	2.5	4.69	8946	-34154	SLD 7	10887	4223	37271	2.5	1.22	Si
140	2X/2Y ø6/23.9	2358	-35555	SLD 15	11073	4223	37463	2.5	4.7	8946	-34306	SLD 7	10908	4223	37292	2.5	1.22	Si
110	2X/2Y ø6/23.9	2358	-35707	SLD 15	11093	4223	37484	2.5	4.7	8946	-34458	SLD 7	10928	4223	37313	2.5	1.22	Si
80	2X/2Y ø6/23.9	2358	-35859	SLD 15	11113	4223	37505	2.5	4.71	8946	-34609	SLD 7	10948	4223	37334	2.5	1.22	Si
50	2X/2Y ø6/23.9	2358	-36011	SLD 15	11133	4223	37526	2.5	4.72	8946	-34761	SLD 7	10968	4223	37355	2.5	1.23	Si
20	2X/2Y ø6/23.9	2358	-36165	SLD 15	11154	4223	37547	2.5	4.73	8946	-34915	SLD 7	10988	4223	37376	2.5	1.23	Si
-10	2X/2Y ø6/23.9	2358	-36312	SLD 15	11173	4223	37567	2.5	4.74	8946	-35063	SLD 7	11008	4223	37396	2.5	1.23	Si
770	2X/2Y ø6/24.8	3369	-12594	SLD 15	6802	3562	27020	2.5	2.02	3422	-11919	SLD 7	6714	3562	26929	2.5	1.96	Si
741	2X/2Y ø6/24.8	3369	-12708	SLD 15	6817	3562	27036	2.5	2.02	3422	-12033	SLD 7	6729	3562	26945	2.5	1.97	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.431	112	0.468	0.163	0.447	SLV 7	No
320	0.432	113	0.47	0.163	0.449	SLV 7	No
290	0.433	113	0.47	0.163	0.449	SLV 7	No
260	0.434	114	0.472	0.164	0.451	SLV 7	No
230	0.435	114	0.472	0.164	0.451	SLV 7	No
200	0.436	115	0.474	0.165	0.453	SLV 7	No
170	0.437	116	0.475	0.166	0.455	SLV 7	No
140	0.437	116	0.475	0.166	0.455	SLV 7	No
110	0.438	116	0.475	0.166	0.455	SLV 7	No
80	0.438	117	0.477	0.166	0.457	SLV 7	No
50	0.439	117	0.477	0.166	0.457	SLV 7	No
20	0.44	118	0.479	0.167	0.459	SLV 7	No
-10	0.441	118	0.479	0.167	0.459	SLV 7	No
770	0.834	460	0.836	0.305	0.839	SLV 7	No
741	0.836	463	0.838	0.306	0.842	SLV 7	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.227	124	1.229	0.171	1.214	SLD 7	Si
320	1.23	125	1.233	0.172	1.219	SLD 7	Si
290	1.232	126	1.237	0.173	1.225	SLD 7	Si
260	1.234	126	1.237	0.173	1.225	SLD 7	Si
230	1.236	126	1.237	0.173	1.225	SLD 7	Si
200	1.238	128	1.245	0.174	1.23	SLD 7	Si
170	1.242	128	1.245	0.174	1.23	SLD 7	Si
140	1.244	129	1.249	0.174	1.235	SLD 7	Si
110	1.246	129	1.249	0.174	1.235	SLD 7	Si
80	1.25	130	1.253	0.175	1.24	SLD 7	Si
50	1.252	130	1.253	0.175	1.24	SLD 7	Si
20	1.254	131	1.257	0.176	1.245	SLD 7	Si
-10	1.258	131	1.257	0.176	1.245	SLD 7	Si
770	2.377	523	2.217	0.322	2.28	SLD 7	Si
741	2.383	526	2.222	0.323	2.287	SLD 7	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata (3876; 3971)

Dati della pilastrata

Verifica dei meccanismi fragili condotta secondo Circ. 617 02/02/2009 §C8.7.1.8 Analisi lineare con fattore q.
Fattore di amplificazione della componente sismica di taglio in direzione X: 1,26
Fattore di amplificazione della componente sismica di taglio in direzione Y: 1,26

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2
420	770	R 40x40	Si	No	No	No		RCK300 LC2	FeB 32k liscio LC1_FC = 1,35	1.2

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-167509	-237303	-22484	-699177	-990497	SLU 24	4.174	Si
350	18.1	0.9	0	2,3,4	135781	252657	-46386	574263	1068572	SLU 36	4.229	Si
320	18.1	0.9	0	2,3,4	107197	230997	-46580	469321	1011334	SLU 36	4.378	Si
-10	18.1	1.8	0	1,2,3,4	-212075	-10941	-48749	-939514	-48470	SLU 36	4.43	Si
290	18.1	0.9	0	2,3,4	78128	208969	-46777	353240	944812	SLU 36	4.521	Si
20	18.1	1.8	0	1,2,3,4	-183866	10435	-48557	-841745	47773	SLU 36	4.578	Si
260	18.1	0.9	0	2,3,4	49059	186941	-46975	228416	870387	SLU 36	4.656	Si
50	18.1	1.8	0	1,2,3,4	-154422	32747	-48357	-723678	153465	SLU 36	4.686	Si
80	18.1	0.9	0	2,3,4	-125353	54775	-48160	-589859	257747	SLU 36	4.706	Si
110	18.1	0.9	0	2,3,4	-96285	76803	-47962	-454939	362888	SLU 36	4.725	Si
140	18.1	0.9	0	2,3,4	-67216	98830	-47765	-318904	468898	SLU 36	4.744	Si
170	18.1	0.9	0	2,3,4	-38147	120858	-47567	-181739	575788	SLU 36	4.764	Si
230	18.1	0.9	0	2,3,4	19990	164914	-47172	95555	788296	SLU 36	4.78	Si
200	18.1	0.9	0	2,3,4	-9141	142838	-47370	-43730	683336	SLU 36	4.784	Si
449	18.1	2.3	0	2,3,4,5	-143686	-200828	-22335	-703315	-983014	SLU 24	4.895	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-10	18.1	1.8	0	1,2,3,4	-3820163	27876	-32674	-809879	5910	SLV 7	0.212				No
20	18.1	1.8	0	1,2,3,4	-3281740	3088	-32527	-833286	784	SLV 7	0.254				No
350	18.1	0.9	0	2,3,4	2819314	-89568	-30857	851198	-27042	SLV 7	0.302				No
50	18.1	1.8	0	1,2,3,4	-2719753	-6596	-32373	-869907	-2110	SLV 7	0.32				No
320	18.1	0.9	0	2,3,4	2273734	-81408	-31006	903605	-32352	SLV 7	0.397				No
80	18.1	0.9	0	2,3,4	-2164925	-14968	-32221	-931068	-6437	SLV 7	0.43				No
290	18.1	0.9	0	2,3,4	1718907	-73109	-31158	1005663	-42773	SLV 7	0.585				No
110	18.1	0.9	0	2,3,4	-1610099	-23292	-32069	-1052525	-15226	SLV 7	0.654				No
420	18.1	2.3	0	2,3,4,5	-275325	-1138367	-16892	-182971	-756518	SLV 15	0.665				No
770	18.1	1.1	0	5	213428	980339	-15496	167900	771218	SLV 15	0.787				No
449	18.1	2.3	0	2,3,4,5	-235179	-964377	-16777	-193574	-793773	SLV 15	0.823				No
260	18.1	0.9	0	2,3,4	290700	1237211	-31361	276295	1175905	SLV 15	0.95				No
741	18.1	1.1	0	5	173281	806359	-15610	177334	825218	SLV 15	1.023				Si
478	18.1	2.3	0	2,3,4,5	-753291	-403675	-17775	-809331	-433706	SLV 11	1.074				Si
230	18.1	0.9	0	2,3,4	149209	1087511	-31513	180392	1314787	SLV 15	1.209				Si

Verifica a pressoflessione in SLD

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-1779716	7867	-33950	-1030731	4556	SLD 7	0.579	No
20	18.1	1.8	0	1,2,3,4	-1529594	5811	-33802	-1114526	4234	SLD 7	0.729	No
350	18.1	0.9	0	2,3,4	1254747	450253	-31755	1128797	405057	SLD 11	0.9	No
50	18.1	1.8	0	1,2,3,4	-1268525	10829	-33648	-1263921	10790	SLD 7	0.996	No
320	18.1	0.9	0	2,3,4	1010968	411142	-31904	1234582	502081	SLD 11	1.221	Si
80	18.1	0.9	0	2,3,4	-1010782	16309	-33497	-1493521	24099	SLD 7	1.478	Si
420	18.1	2.3	0	2,3,4,5	-185894	-604661	-16995	-288850	-939546	SLD 15	1.554	Si
290	18.1	0.9	0	2,3,4	763057	371367	-32056	1342238	653245	SLD 11	1.759	Si
770	18.1	1.1	0	5	141382	521929	-15599	265192	978986	SLD 15	1.876	Si
449	18.1	2.3	0	2,3,4,5	-458624	-303844	-17372	-876006	-580364	SLD 11	1.91	Si
110	18.1	0.9	0	2,3,4	-724389	132733	-32967	-1702271	311915	SLD 11	2.35	Si
478	18.1	2.3	0	2,3,4,5	-378798	-248365	-17255	-912561	-598336	SLD 11	1.809	Si
741	18.1	1.1	0	5	114500	429413	-15713	288514	1082025	SLD 15	2.52	Si
260	18.1	0.9	0	2,3,4	515145	331593	-32208	1323907	852184	SLD 11	2.57	Si
508	18.1	1.1	0	5	-298973	-192894	-17138	-962187	-620793	SLD 11	3.218	Si

Indicatori di rischio sismico a pressoflessione in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.305	57	0.355	0.116	0.319	SLV 7	No
20	0.36	79	0.406	0.137	0.377	SLV 7	No
350	0.409	101	0.449	0.155	0.426	SLV 11	No
50	0.441	118	0.479	0.167	0.459	SLV 7	No
320	0.513	161	0.544	0.193	0.53	SLV 11	No

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
80	0.563	195	0.588	0.211	0.579	SLV 7	No
290	0.681	295	0.697	0.253	0.694	SLV 11	No
110	0.765	381	0.774	0.282	0.774	SLV 7	No
420	0.682	297	0.699	0.253	0.695	SLV 15	No
770	0.803	424	0.809	0.295	0.81	SLV 15	No
449	0.838	465	0.84	0.307	0.843	SLV 15	No
260	0.965	652	0.965	0.351	0.966	SLV 15	No
741	1.021	749	1.021	0.371	1.02	SLV 15	Si
478	1.066	832	1.066	0.387	1.064	SLV 7	Si
230	1.131	960	1.13	0.41	1.125	SLV 15	Si

Indicatori di rischio sismico a pressoflessione in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	Ver.
-10	0.689	39	0.765	0.096	0.679	SLD 7	No
20	0.814	56	0.887	0.115	0.817	SLD 7	No
350	0.924	70	0.972	0.13	0.919	SLD 11	No
50	0.998	82	1.037	0.14	0.99	SLD 7	Si
320	1.16	111	1.174	0.162	1.15	SLD 11	Si
80	1.271	134	1.269	0.178	1.26	SLD 7	Si
420	1.543	202	1.501	0.214	1.519	SLD 15	Si
290	1.539	201	1.498	0.214	1.516	SLD 11	Si
770	1.814	288	1.736	0.25	1.769	SLD 15	Si
449	1.895	316	1.803	0.26	1.842	SLD 15	Si
110	1.729	259	1.662	0.238	1.69	SLD 7	Si
478	1.812	542	2.25	0.327	2.314	SLD 7	Si
741	2.307	487	2.153	0.313	2.217	SLD 15	Si
260	2.181	430	2.046	0.297	2.103	SLD 15	Si
508	3.145	1039	2.938	0.422	2.987	SLD 7	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	1258	-18750	SLU 19	7603	3562	27849	2.5	6.04	822	-18750	SLU 19	7603	3562	27849	2.5	9.25	Si
741	2X/2Y ø6/24.8	1258	-18899	SLU 19	7623	3562	27869	2.5	6.06	822	-18899	SLU 19	7623	3562	27869	2.5	9.28	Si
712	2X/2Y ø6/24.8	1258	-19051	SLU 19	7642	3562	27889	2.5	6.08	822	-19051	SLU 19	7642	3562	27889	2.5	9.3	Si
683	2X/2Y ø6/24.8	1258	-19202	SLU 19	7662	3562	27910	2.5	6.09	822	-19202	SLU 19	7662	3562	27910	2.5	9.33	Si
653	2X/2Y ø6/24.8	1258	-19354	SLU 19	7682	3562	27930	2.5	6.11	822	-19354	SLU 19	7682	3562	27930	2.5	9.35	Si
624	2X/2Y ø6/24.8	1258	-19506	SLU 19	7702	3562	27951	2.5	6.12	822	-19506	SLU 19	7702	3562	27951	2.5	9.37	Si
595	2X/2Y ø6/24.8	1258	-19657	SLU 19	7721	3562	27971	2.5	6.14	822	-19657	SLU 19	7721	3562	27971	2.5	9.4	Si
566	2X/2Y ø6/24.8	1258	-19809	SLU 19	7741	3562	27992	2.5	6.15	822	-19809	SLU 19	7741	3562	27992	2.5	9.42	Si
537	2X/2Y ø6/24.8	1258	-19961	SLU 19	7761	3562	28012	2.5	6.17	822	-19961	SLU 19	7761	3562	28012	2.5	9.45	Si
508	2X/2Y ø6/24.8	1258	-20112	SLU 19	7781	3562	28032	2.5	6.19	822	-20112	SLU 19	7781	3562	28032	2.5	9.47	Si
478	2X/2Y ø6/24.8	1258	-20264	SLU 19	7800	3562	28053	2.5	6.2	822	-20264	SLU 19	7800	3562	28053	2.5	9.49	Si
449	2X/2Y ø6/24.8	1258	-20416	SLU 19	7820	3562	28073	2.5	6.22	822	-20416	SLU 19	7820	3562	28073	2.5	9.52	Si
420	2X/2Y ø6/24.8	1258	-20565	SLU 19	7839	3562	28093	2.5	6.23	822	-20565	SLU 19	7839	3562	28093	2.5	9.54	Si
350	2X/2Y ø6/23.9	714	-42509	SLU 23	11993	4223	38415	2.5	16.79	1060	-40836	SLU 24	11772	4223	38186	2.5	11.11	Si
320	2X/2Y ø6/23.9	714	-42703	SLU 23	12019	4223	38442	2.5	16.83	1060	-41030	SLU 24	11797	4223	38213	2.5	11.13	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	6145	-30327	SLV 15	10381	4223	36748	2.5	1.69	23113	-30262	SLV 7	10372	4223	36739	2.5	0.45	No
320	2X/2Y ø6/23.9	6145	-30476	SLV 15	10401	4223	36768	2.5	1.69	23113	-30411	SLV 7	10392	4223	36759	2.5	0.45	No
290	2X/2Y ø6/23.9	6145	-30628	SLV 15	10421	4223	36789	2.5	1.7	23113	-30563	SLV 7	10412	4223	36780	2.5	0.45	No
260	2X/2Y ø6/23.9	6145	-30780	SLV 15	10441	4223	36810	2.5	1.7	23113	-30715	SLV 7	10432	4223	36801	2.5	0.45	No
230	2X/2Y ø6/23.9	6145	-30932	SLV 15	10461	4223	36830	2.5	1.7	23113	-30867	SLV 7	10453	4223	36822	2.5	0.45	No
200	2X/2Y ø6/23.9	6145	-31084	SLV 15	10481	4223	36851	2.5	1.71	23113	-31019	SLV 7	10473	4223	36842	2.5	0.45	No
170	2X/2Y ø6/23.9	6145	-31235	SLV 15	10501	4223	36872	2.5	1.71	23113	-31171	SLV 7	10493	4223	36863	2.5	0.45	No
140	2X/2Y ø6/23.9	6145	-31387	SLV 15	10521	4223	36893	2.5	1.71	23113	-31323	SLV 7	10513	4223	36884	2.5	0.45	No
110	2X/2Y ø6/23.9	6145	-31539	SLV 15	10541	4223	36914	2.5	1.72	23113	-31475	SLV 7	10533	4223	36905	2.5	0.46	No
80	2X/2Y ø6/23.9	6145	-31691	SLV 15	10562	4223	36934	2.5	1.72	23113	-31626	SLV 7	10553	4223	36925	2.5	0.46	No
50	2X/2Y ø6/23.9	6145	-31843	SLV 15	10582	4223	36955	2.5	1.72	23113	-31778	SLV 7	10573	4223	36946	2.5	0.46	No
20	2X/2Y ø6/23.9	6145	-31997	SLV 15	10602	4223	36976	2.5	1.73	23113	-31932	SLV 7	10593	4223	36967	2.5	0.46	No
-10	2X/2Y ø6/23.9	6145	-32144	SLV 15	10622	4223	36996	2.5	1.73	23113	-32079	SLV 7	10613	4223	36987	2.5	0.46	No
770	2X/2Y ø6/24.8	7395	-15447	SLV 15	7173	3562	27404	2.5	0.97	7275	-17239	SLV 7	7407	3562	27646	2.5	1.02	No
741	2X/2Y ø6/24.8	7395	-15562	SLV 15	7188	3562	27420	2.5	0.97	7275	-17353	SLV 7	7421	3562	27661	2.5	1.02	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	2514	-32154	SLD 15	10623	4223	36998	2.5	4.23	8591	-32132	SLD 7	10620	4223	36995	2.5	1.24	Si
320	2X/2Y ø6/23.9	2514	-32304	SLD 15	10643	4223	37018	2.5	4.23	8591	-32282	SLD 7	10640	4223	37015	2.5	1.24	Si
290	2X/2Y ø6/23.9	2514	-32455	SLD 15	10663	4223	37039	2.5	4.24	8591	-32433	SLD 7	10660	4223	37036	2.5	1.24	Si
260	2X/2Y ø6/23.9	2514	-32607	SLD 15	10683	4223	37060	2.5	4.25	8591	-32585	SLD 7	10680	4223	37057	2.5	1.24	Si
230	2X/2Y ø6/23.9	2514	-32759	SLD 15	10703	4223	37081	2.5	4.26	8591	-32737	SLD 7	10700	4223	37078	2.5	1.25	Si
200	2X/2Y ø6/23.9	2514	-32911	SLD 15	10723	4223	37101	2.5	4.26	8591	-32889	SLD 7	10720	4223	37098	2.5	1.25	Si
170	2X/2Y ø6/23.9	2514	-33063	SLD 15	10743	4223	37122	2.5	4.27	8591	-33041	SLD 7	10740	4223	37119	2.5	1.25	Si
140	2X/2Y ø6/23.9	2514	-33215	SLD 15	10763	4223	37143	2.5	4.28	8591	-33193	SLD 7	10760	4223	37140	2.5	1.25	Si
110	2X/2Y ø6/23.9	2514	-33367	SLD 15	10783	4223	37164	2.5	4.29	8591	-33345	SLD 7	10780	4223	37161	2.5	1.25	Si
80	2X/2Y ø6/23.9	2514	-33519	SLD 15	10803	4223	37185	2.5	4.3	8591	-33497	SLD 7	10800	4223	37181	2.5	1.26	Si
50	2X/2Y ø6/23.9	2514	-33670	SLD 15	10824	4223	37205	2.5	4.3	8591	-33648	SLD 7	10821	4223	37202	2.5	1.26	Si
20	2X/2Y ø6/23.9	2514	-33824	SLD 15	10844	4223	37226	2.5	4.31	8591	-33802	SLD 7	10841	4223	37223	2.5	1.26	Si
-10	2X/2Y ø6/23.9	2514	-33972	SLD 15	10863	4223	37247	2.5	4.32	8591	-33950	SLD 7	10860	4223	37244	2.5	1.26	Si
770	2X/2Y ø6/24.8	3228	-15599	SLD 15	7193	3562	27425	2.5	2.23	2924	-16226	SLD 7	7275	3562	27509	2.5	1.89	Si
741	2X/2Y ø6/24.8	3228	-15713	SLD 15	7208	3562	27440	2.5	2.23	2924	-16341	SLD 7	7290	3562	27525	2.5	1.89	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.44	118	0.479	0.167	0.459	SLV 7	No
320	0.441	118	0.479	0.167	0.459	SLV 7	No
290	0.442	119	0.48	0.168	0.46	SLV 7	No
260	0.443	119	0.48	0.168	0.46	SLV 7	No
230	0.443	119	0.48	0.168	0.46	SLV 7	No
200	0.444	120	0.482	0.168	0.462	SLV 7	No
170	0.445	120	0.482	0.168	0.462	SLV 7	No
140	0.446	121	0.484	0.169	0.464	SLV 7	No
110	0.447	121	0.484	0.169	0.464	SLV 7	No
80	0.448	122	0.485	0.17	0.466	SLV 7	No
50	0.449	122	0.485	0.17	0.466	SLV 7	No
20	0.45	123	0.487	0.17	0.468	SLV 7	No
-10	0.451	124	0.488	0.171	0.47	SLV 7	No
770	0.965	652	0.965	0.351	0.966	SLV 15	No

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	2514	-32154	SLD 15	10623	4223	36998	2.5	4.23	8591	-32132	SLD 7	10620	4223	36995	2.5	1.24	Si
320	2X/2Y ø6/23.9	2514	-32304	SLD 15	10643	4223	37018	2.5	4.23	8591	-32282	SLD 7	10640	4223	37015	2.5	1.24	Si
290	2X/2Y ø6/23.9	2514	-32455	SLD 15	10663	4223	37039	2.5	4.24	8591	-32433	SLD 7	10660	4223	37036	2.5	1.24	Si
260	2X/2Y ø6/23.9	2514	-32607	SLD 15	10683	4223	37060	2.5	4.25	8591	-32585	SLD 7	10680	4223	37057	2.5	1.24	Si
230	2X/2Y ø6/23.9	2514	-32759	SLD 15	10703	4223	37081	2.5	4.26	8591	-32737	SLD 7	10700	4223	37078	2.5	1.25	Si
200	2X/2Y ø6/23.9	2514	-32911	SLD 15	10723	4223	37101	2.5	4.26	8591	-32889	SLD 7	10720	4223	37098	2.5	1.25	Si
170	2X/2Y ø6/23.9	2514	-33063	SLD 15	10743	4223	37122	2.5	4.27	8591	-33041	SLD 7	10740	4223	37119	2.5	1.25	Si
140	2X/2Y ø6/23.9	2514	-33215	SLD 15	10763	4223	37143	2.5	4.28	8591	-33193	SLD 7	10760	4223	37140	2.5	1.25	Si
110	2X/2Y ø6/23.9	2514	-33367	SLD 15	10783	4223	37164	2.5	4.29	8591	-33345	SLD 7	10780	4223	37161	2.5	1.25	Si
80	2X/2Y ø6/23.9	2514	-33519	SLD 15	10803	4223	37185	2.5	4.3	8591	-33497	SLD 7	10800	4223	37181	2.5	1.26	Si
50	2X/2Y ø6/23.9	2514	-33670	SLD 15	10824	4223	37205	2.5	4.3	8591	-33648	SLD 7	10821	4223	37202	2.5	1.26	Si
20	2X/2Y ø6/23.9	2514	-33824	SLD 15	10844	4223	37226	2.5	4.31	8591	-33802	SLD 7	10841	4223	37223	2.5	1.26	Si
-10	2X/2Y ø6/23.9	2514	-33972	SLD 15	10863	4223	37247	2.5	4.32	8591	-33950	SLD 7	10860	4223	37244	2.5	1.26	Si
770	2X/2Y ø6/24.8	3228	-15599	SLD 15	7193	3562	27425	2.5	2.23	2924	-16226	SLD 7	7275	3562	27509	2.5	2.49	Si
741	2X/2Y ø6/24.8	3228	-15713	SLD 15	7208	3562	27440	2.5	2.23	2924	-16341	SLD 7	7290	3562	27525	2.5	2.49	Si

Indicatori di rischio sismico a taglio in SLV

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	0.44	118	0.479	0.167	0.459	SLV 7	No
320	0.441	118	0.479	0.167	0.459	SLV 7	No
290	0.442	119	0.48	0.168	0.46	SLV 7	No
260	0.443	119	0.48	0.168	0.46	SLV 7	No
230	0.443	119	0.48	0.168	0.46	SLV 7	No
200	0.444	120	0.482	0.168	0.462	SLV 7	No
170	0.445	120	0.482	0.168	0.462	SLV 7	No
140	0.446	121	0.484	0.169	0.464	SLV 7	No
110	0.447	121	0.484	0.169	0.464	SLV 7	No
80	0.448	122	0.485	0.17	0.466	SLV 7	No
50	0.449	122	0.485	0.17	0.466	SLV 7	No
20	0.45	123	0.487	0.17	0.468	SLV 7	No
-10	0.451	124	0.488	0.171	0.47	SLV 7	No
770	0.965	652	0.965	0.351	0.966	SLV 15	No
741	0.969	659	0.969	0.353	0.97	SLV 15	No

Indicatori di rischio sismico a taglio in SLD Resistenza

Quota	Molt.	TR	I.R.TR	PGA	I.R.PGA	Comb.	
350	1.254	131	1.257	0.176	1.245	SLD 7	Si
320	1.256	131	1.257	0.176	1.245	SLD 7	Si
290	1.258	131	1.257	0.176	1.245	SLD 7	Si
260	1.262	132	1.261	0.176	1.25	SLD 7	Si
230	1.264	132	1.261	0.176	1.25	SLD 7	Si
200	1.266	133	1.265	0.177	1.255	SLD 7	Si
170	1.27	134	1.269	0.178	1.26	SLD 7	Si
140	1.271	134	1.269	0.178	1.26	SLD 7	Si
110	1.273	134	1.269	0.178	1.26	SLD 7	Si
80	1.277	135	1.273	0.178	1.265	SLD 7	Si
50	1.279	136	1.276	0.179	1.27	SLD 7	Si
20	1.281	136	1.276	0.179	1.27	SLD 7	Si
-10	1.285	138	1.284	0.18	1.275	SLD 7	Si
770	2.752	745	2.563	0.371	2.626	SLD 15	Si
741	2.758	749	2.569	0.371	2.632	SLD 15	Si

Verifiche nodi trave colonna

Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

2.2 Verifiche travate C.A.

N°*: indice progressivo della sezione*
Descrizione*: descrizione della sezione*
Tipo*: tipo di sezione*
Base*: base della sezione [cm]*
Altezza*: altezza della sezione [cm]*
Copriferro sup.*: distanza del bordo della staffa dalla superficie superiore del getto [cm]*
Copriferro inf.*: distanza del bordo della staffa dalla superficie inferiore del getto [cm]*
Copriferro lat.*: distanza del bordo della staffa dalle superfici laterali del getto [cm]*
x*: distanza da asse appoggio sinistro [cm]*
A sup.*: area efficace di armatura longitudinale superiore [cm²]*
C.b. sup.*: distanza dal bordo del baricentro dell'armatura longitudinale superiore [cm]*
A inf.*: area efficace di armatura longitudinale inferiore [cm²]*
C.b. inf.*: distanza dal bordo del baricentro dell'armatura longitudinale inferiore [cm]*
M+ela*: momento flettente desunto dal solutore che tende le fibre inferiori [daN*cm]*
Comb.*: combinazione*
M+des*: momento flettente di progetto che tende le fibre inferiori [daN*cm]*
M+ult*: momento ultimo per trazione delle fibre inferiori [daN*cm]*
x/d*: rapporto tra posizione asse neutro e altezza utile*
M-ela*: momento flettente desunto dal solutore che tende le fibre superiori [daN*cm]*
M-des*: momento flettente di progetto che tende le fibre superiori [daN*cm]*
M-ult*: momento ultimo per trazione delle fibre superiori [daN*cm]*
Verifica*: stato di verifica*
A st*: area di staffe per unità di lunghezza [cm²]*
A sl*: area di armatura longitudinale tesa per valutazione resistenza taglio in assenza di armature a taglio [cm²]*
A sag*: area equivalente di barre piegate per unità di lunghezza [cm²]*
Vela*: taglio elastico [daN]*

***Vdes**: taglio di progetto [daN]*
***Vrd**: resistenza a taglio della sezione senza armature [daN]*
***Vrcd**: sforzo di taglio che produce il cedimento delle bielle [daN]*
***Vrsd**: resistenza a taglio per la presenza delle armature [daN]*
***Vult**: taglio ultimo [daN]*
***cotgθ**: cotg dell'angolo di inclinazione dei puntoni in calcestruzzo*
***Rara**: famiglia di combinazione di verifica*
***Mela**: momento elastico [daN*cm]*
***Mdes**: momento di progetto [daN*cm]*
***σ c**: tensione di compressione nel calcestruzzo [daN/cm²]*
***σ c lim.**: tensione limite di compressione nel calcestruzzo [daN/cm²]*
***σ f.**: tensione di trazione nell'acciaio [daN/cm²]*
***σ f lim.**: tensione limite di trazione nell'acciaio [daN/cm²]*
***Elastica+**: massima freccia a sezione interamente reagente di solo calcestruzzo [cm]*
***Elastica-**: minima freccia a sezione interamente reagente di solo calcestruzzo [cm]*
***Fess.+**: massima freccia a sezione fessurata ed omogeneizzata [cm]*
***Fess.-**: minima freccia a sezione fessurata ed omogeneizzata [cm]*
***Quasi permanente**: famiglia di combinazione di verifica*
***σ FRP**: tensione di trazione nell'FRP [daN/cm²]*
***σ FRP lim.**: tensione limite di trazione nell'FRP [daN/cm²]*
***Fess. viscosa+**: massima freccia a sezione fessurata ed omogeneizzata a viscosità esaurita [cm]*
***Fess. viscosa-**: minima freccia a sezione fessurata ed omogeneizzata a viscosità esaurita [cm]*
***l/f**: rapporto luce su freccia in combinazione quasi permanente*
***Frequente**: famiglia di combinazione di verifica*
***T gravità**: taglio dovuto ai carichi gravitazionali [daN]*
***T sisma**: taglio dovuto a sisma [daN]*
***T ultimo**: taglio ultimo [daN]*
***Comb.**: combinazione per indicatore minimo per taglio*
***Pga**: pga per taglio*
***Tr**: tempo di ritorno per taglio*
***Ind. taglio**: indicatore di rischio per taglio*
***M gravità**: momento dovuto ai carichi gravitazionali [daN*cm]*
***M sisma**: momento dovuto a sisma [daN*cm]*
***M ultimo**: momento ultimo [daN*cm]*
***Comb.**: combinazione per indicatore minimo per momento*
***Pga**: pga per momento*
***Tr**: tempo di ritorno per momento*
***Ind. momento**: indicatore di rischio per momento*
***Ver**: stato di verifica*

Le unità di misura delle verifiche elencate nel capitolo sono in [cm, daN] ove non espressamente specificato.

Trave a "Falda 3" 1-3

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x40	Rettangolare	40	40	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 1 - 1, sezione R 40x40, asta 1189

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	0	0	0	0	0	SLU 30	0	0	0	0	SLU 1	-65	0	0	Si
2	0	0	0	0	-6	SLU 12	0	0	0	-7	SLU 19	-65	0	0	Si
3	0	0	0	0	-22	SLU 12	0	0	0	-29	SLU 19	-65	0	0	Si
5	7.6	5.4	7.6	5.4	-50	SLU 12	0	507498	0.146	-65	SLU 19	-65	-507498	0.146	Si
7	7.6	5.4	7.6	5.4						-115	SLU 19	-106	-507498	0.146	Si
7	7.6	5.4	7.6	5.4						-146	SLU 19	-126	-507498	0.146	Si
9	7.6	5.4	7.6	5.4						-218	SLU 19	-161	-507498	0.146	Si
11	7.6	5.4	7.6	5.4						-305	SLU 19	-194	-507498	0.146	Si
12	7.6	5.4	7.6	5.4						-406	SLU 19	-222	-507498	0.146	Si
14	7.6	5.4	7.6	5.4						-521	SLU 19	-248	-507498	0.146	Si
16	7.6	5.4	7.6	5.4						-651	SLU 20	-269	-507498	0.146	Si
17	7.6	5.4	7.6	5.4						-795	SLU 20	-287	-507498	0.146	Si
18	7.6	5.4	7.6	5.4						-873	SLU 20	-295	-507498	0.146	Si
20	7.6	5.4	7.6	5.4						-1038	SLU 20	-307	-507498	0.146	Si
22	7.6	5.4	7.6	5.4						-1219	SLU 20	-316	-507498	0.146	Si
23	7.6	5.4	7.6	5.4						-1421	SLU 36	-322	-507498	0.146	Si
25	7.6	5.4	7.6	5.4						-1690	SLU 36	-324	-507498	0.146	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	0	0	0	0	0	SLV 7	0	0	0	0	SLV 9	-50	0	0	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
2	0	0	0	0	-6	SLV 15	0	0	0	-6	SLV 1	-50	0	0	Si
3	0	0	0	0	-22	SLV 15	0	0	0	-22	SLV 1	-50	0	0	Si
5	7.6	5.4	7.6	5.4	-50	SLV 15	0	507498	0.146	-50	SLV 1	-50	-507498	0.146	Si
7	7.6	5.4	7.6	5.4						-89	SLV 1	-82	-507498	0.146	Si
7	7.6	5.4	7.6	5.4						-112	SLV 1	-97	-507498	0.146	Si
9	7.6	5.4	7.6	5.4						-168	SLV 1	-124	-507498	0.146	Si
11	7.6	5.4	7.6	5.4						-234	SLV 1	-149	-507498	0.146	Si
12	7.6	5.4	7.6	5.4						-312	SLV 1	-171	-507498	0.146	Si
14	7.6	5.4	7.6	5.4						-401	SLV 1	-191	-507498	0.146	Si
16	7.6	5.4	7.6	5.4						-501	SLV 1	-207	-507498	0.146	Si
17	7.6	5.4	7.6	5.4						-612	SLV 1	-221	-507498	0.146	Si
18	7.6	5.4	7.6	5.4						-671	SLV 1	-227	-507498	0.146	Si
20	7.6	5.4	7.6	5.4						-799	SLV 1	-236	-507498	0.146	Si
22	7.6	5.4	7.6	5.4						-938	SLV 1	-243	-507498	0.146	Si
23	7.6	5.4	7.6	5.4						-1092	SLV 1	-248	-507498	0.146	Si
25	7.6	5.4	7.6	5.4						-1294	SLV 1	-249	-507498	0.146	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	0	0	0	0	0	SLD 7	0	0	0	0	SLD 9	-50	0	0	Si
2	0	0	0	0	-6	SLD 15	0	0	0	-6	SLD 1	-50	0	0	Si
3	0	0	0	0	-22	SLD 15	0	0	0	-22	SLD 1	-50	0	0	Si
5	7.6	5.4	7.6	5.4	-50	SLD 15	0	507498	0.146	-50	SLD 1	-50	-507498	0.146	Si
7	7.6	5.4	7.6	5.4						-89	SLD 1	-82	-507498	0.146	Si
7	7.6	5.4	7.6	5.4						-112	SLD 1	-97	-507498	0.146	Si
9	7.6	5.4	7.6	5.4						-168	SLD 1	-124	-507498	0.146	Si
11	7.6	5.4	7.6	5.4						-234	SLD 1	-149	-507498	0.146	Si
12	7.6	5.4	7.6	5.4						-312	SLD 1	-171	-507498	0.146	Si
14	7.6	5.4	7.6	5.4						-401	SLD 1	-191	-507498	0.146	Si
16	7.6	5.4	7.6	5.4						-501	SLD 1	-207	-507498	0.146	Si
17	7.6	5.4	7.6	5.4						-612	SLD 1	-221	-507498	0.146	Si
18	7.6	5.4	7.6	5.4						-671	SLD 1	-227	-507498	0.146	Si
20	7.6	5.4	7.6	5.4						-799	SLD 1	-236	-507498	0.146	Si
22	7.6	5.4	7.6	5.4						-937	SLD 1	-243	-507498	0.146	Si
23	7.6	5.4	7.6	5.4						-1092	SLD 1	-248	-507498	0.146	Si
25	7.6	5.4	7.6	5.4						-1294	SLD 1	-249	-507498	0.146	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0.202	0	0	0	Ger.	0	-5690	-42330	-14510	-14510	1	Si
2	0.202	0	0	-9	SLU 29	-9	-5690	-42330	-14510	-14510	1	Si
3	0.202	0	0	-17	SLU 29	-17	-5690	-42330	-14510	-14510	1	Si
5	0.202	0	0	-26	SLU 29	-26	-5153	-36615	-12551	-12551	1	Si
7	0	0	0	-35	SLU 29	-35	-5153	-36615	0	-5153	1	Si
7	0	0	0	-39	SLU 29	-39	-5153	-36615	0	-5153	1	Si
9	0	0	0	-48	SLU 29	-48	-5153	-36615	0	-5153	1	Si
11	0	0	0	-56	SLU 29	-56	-5153	-36615	0	-5153	1	Si
12	0	0	0	-65	SLU 29	-65	-5153	-36615	0	-5153	1	Si
14	0	0	0	-74	SLU 29	-74	-5153	-36615	0	-5153	1	Si
16	0	0	0	-82	SLU 29	-82	-5153	-36615	0	-5153	1	Si
17	0	0	0	-91	SLU 29	-91	-5153	-36615	0	-5153	1	Si
18	0	0	0	-95	SLU 29	-95	-5153	-36615	0	-5153	1	Si
20	0	0	0	-104	SLU 29	-104	-5153	-36615	0	-5153	1	Si
22	0	0	0	-113	SLU 29	-113	-5153	-36615	0	-5153	1	Si
23	0	0	0	-139	SLU 36	-139	-5153	-36615	0	-5153	1	Si
25	0	0	0	-184	SLU 36	-184	-5153	-36615	0	-5153	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0.202	0	0	0	Ger.	0	5690	42330	14510	14510	1	Si
0	0.202	0	0	0	Ger.	0	-5690	-42330	-14510	-14510	1	Si
2	0.202	0	0	-7	SLV 1	-7	-5690	-42330	-14510	-14510	1	Si
3	0.202	0	0	-13	SLV 1	-13	-5690	-42330	-14510	-14510	1	Si
5	0.202	0	0	-20	SLV 1	-20	-5153	-36615	-12551	-12551	1	Si
7	0	0	0	-27	SLV 1	-27	-5153	-36615	0	-5153	1	Si
7	0	0	0	-30	SLV 1	-30	-5153	-36615	0	-5153	1	Si
9	0	0	0	-37	SLV 1	-37	-5153	-36615	0	-5153	1	Si
11	0	0	0	-43	SLV 1	-43	-5153	-36615	0	-5153	1	Si
12	0	0	0	-50	SLV 1	-50	-5153	-36615	0	-5153	1	Si
14	0	0	0	-57	SLV 1	-57	-5153	-36615	0	-5153	1	Si
16	0	0	0	-63	SLV 1	-63	-5153	-36615	0	-5153	1	Si
17	0	0	0	-70	SLV 1	-70	-5153	-36615	0	-5153	1	Si
18	0	0	0	-73	SLV 1	-73	-5153	-36615	0	-5153	1	Si
20	0	0	0	-80	SLV 1	-80	-5153	-36615	0	-5153	1	Si
22	0	0	0	-87	SLV 1	-87	-5153	-36615	0	-5153	1	Si
23	0	0	0	-105	SLV 1	-105	-5153	-36615	0	-5153	1	Si
25	0	0	0	-136	SLV 1	-136	-5153	-36615	0	-5153	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0.202	0	0	0	Ger.	0	5690	42330	14510	14510	1	Si
0	0.202	0	0	0	Ger.	0	-5690	-42330	-14510	-14510	1	Si
2	0.202	0	0	-7	SLD 1	-7	-5690	-42330	-14510	-14510	1	Si
3	0.202	0	0	-13	SLD 1	-13	-5690	-42330	-14510	-14510	1	Si
5	0.202	0	0	-20	SLD 1	-20	-5153	-36615	-12551	-12551	1	Si
7	0	0	0	-27	SLD 1	-27	-5153	-36615	0	-5153	1	Si
7	0	0	0	-30	SLD 1	-30	-5153	-36615	0	-5153	1	Si
9	0	0	0	-37	SLD 1	-37	-5153	-36615	0	-5153	1	Si
11	0	0	0	-43	SLD 1	-43	-5153	-36615	0	-5153	1	Si
12	0	0	0	-50	SLD 1	-50	-5153	-36615	0	-5153	1	Si
14	0	0	0	-57	SLD 1	-57	-5153	-36615	0	-5153	1	Si
16	0	0	0	-63	SLD 1	-63	-5153	-36615	0	-5153	1	Si
17	0	0	0	-70	SLD 1	-70	-5153	-36615	0	-5153	1	Si
18	0	0	0	-73	SLD 1	-73	-5153	-36615	0	-5153	1	Si
20	0	0	0	-80	SLD 1	-80	-5153	-36615	0	-5153	1	Si
22	0	0	0	-87	SLD 1	-87	-5153	-36615	0	-5153	1	Si
23	0	0	0	-105	SLD 1	-105	-5153	-36615	0	-5153	1	Si
25	0	0	0	-136	SLD 1	-136	-5153	-36615	0	-5153	1	Si

Verifiche delle tensioni in esercizio

x	Rara	Quasi permanente	Verifica

	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	0	3	0	0	0	0	1837	0	2	0	0	0	0	+∞	Si
2	-6	1	-50	0	0	0	1837	-6	1	-50	0	0	0	+∞	Si
3	-22	1	-50	0	0	0	1837	-22	1	-50	0	0	0	+∞	Si
5	-50	1	-50	0	124.5	0.2	1837	-50	1	-50	0	93.4	0	+∞	Si
7	-89	1	-82	0	124.5	0.3	1837	-89	1	-82	0	93.4	0	+∞	Si
7	-112	1	-97	0	124.5	0.4	1837	-112	1	-97	0	93.4	0	+∞	Si
9	-168	1	-124	0	124.5	0.5	1837	-168	1	-124	0	93.4	0	+∞	Si
11	-234	1	-149	0	124.5	0.6	1837	-234	1	-149	0	93.4	0	+∞	Si
12	-312	1	-171	0	124.5	0.7	1837	-312	1	-171	0	93.4	0	+∞	Si
14	-401	1	-190	0	124.5	0.8	1837	-401	1	-190	0	93.4	0	+∞	Si
16	-501	2	-207	0	124.5	0.9	1837	-501	2	-207	0	93.4	0	+∞	Si
17	-612	2	-221	0	124.5	0.9	1837	-612	2	-221	0	93.4	0	+∞	Si
18	-671	2	-227	0	124.5	1	1837	-671	2	-227	0	93.4	0	+∞	Si
20	-799	2	-236	0	124.5	1	1837	-799	2	-236	0	93.4	0	+∞	Si
22	-937	2	-243	0	124.5	1	1837	-937	2	-243	0	93.4	0	+∞	Si
23	-1093	9	-247	0	124.5	1.1	1837	-1092	2	-247	0	93.4	0	+∞	Si
25	-1298	9	-249	0	124.5	1.1	1837	-1294	2	-249	0	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
0	-0.003	-0.003	0.001	0	-0.003	-0.003	0.001	0.001	-0.003	-0.003	0.002	1	0.001	1	9999	Si
2	-0.003	-0.003	0.001	0	-0.003	-0.003	0.001	0	-0.003	-0.003	0.002	1	0.001	1	9999	Si
3	-0.002	-0.003	0.001	0	-0.002	-0.002	0.001	0	-0.002	-0.002	0.001	1	0.001	1	9999	Si
5	-0.002	-0.002	0.001	0	-0.002	-0.002	0.001	0	-0.002	-0.002	0.001	1	0.001	1	9999	Si
7	-0.002	-0.002	0.001	0	-0.002	-0.002	0.001	0	-0.002	-0.002	0.001	1	0.001	1	9999	Si
7	-0.002	-0.002	0.001	0	-0.002	-0.002	0	0	-0.002	-0.002	0.001	1	0.001	1	9999	Si
9	-0.002	-0.002	0	0	-0.002	-0.002	0	0	-0.002	-0.002	0.001	1	0.001	1	9999	Si
11	-0.002	-0.002	0	0	-0.002	-0.002	0	0	-0.002	-0.002	0.001	1	0.001	1	9999	Si
12	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0.001	1	0.001	1	9999	Si
14	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0.001	1	0.001	1	9999	Si
16	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0.001	1	0	1	9999	Si
17	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0.001	1	0	1	9999	Si
18	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	1	0	1	9999	Si
20	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	1	0	1	9999	Si
22	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
0	0	0	-14510	SLV 1	0.57	2474	1.666	0	0	0	SLV 1	0.57	2474	1.666	Si
1	-3	0	-14510	SLV 1	0.57	2474	1.666	-50	0	0	SLV 1	0	0	0	Si
2	-7	0	-14510	SLV 1	0.57	2474	1.666	-50	0	0	SLV 1	0	0	0	Si
3	-13	0	-14510	SLV 1	0.57	2474	1.666	-50	0	0	SLV 1	0	0	0	Si
5	-20	0	-12551	SLV 1	0.57	2474	1.666	-50	0	-507498	SLV 1	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
0	0	0	-14510	SLD 1	0.6	2474	4.193	0	0	0	SLD 1	0.6	2474	4.193	Si
1	-3	0	-14510	SLD 1	0.6	2474	4.193	-50	0	0	SLD 1	0	0	0	Si
2	-7	0	-14510	SLD 1	0.6	2474	4.193	-50	0	0	SLD 1	0	0	0	Si
3	-13	0	-14510	SLD 1	0.6	2474	4.193	-50	0	0	SLD 1	0	0	0	Si
5	-20	0	-12551	SLD 1	0.6	2474	4.193	-50	0	-507498	SLD 1	0.6	2474	4.193	Si

Campata 2 tra i fili 1 - 2, sezione R 40x40, asta 1190

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-272585	SLU 30	-228344	-507498	0.146	Si
20	7.6	5.4	7.6	5.4						-189112	SLU 30	-189112	-507498	0.146	Si
41	7.6	5.4	7.6	5.4						-112255	SLU 30	-168454	-507498	0.146	Si
61	7.6	5.4	7.6	5.4	-22541	SLU 8	8121	507498	0.146	-49057	SLU 29	-96179	-507498	0.146	Si
82	7.6	5.4	7.6	5.4	19879	SLU 35	51429	507498	0.146	-41	SLU 2	-35808	-507498	0.146	Si
92	7.6	5.4	7.6	5.4	41608	SLU 35	68895	507498	0.146	16879	SLU 2	-9912	-507498	0.146	Si
113	7.6	5.4	7.6	5.4	76647	SLU 35	95410	507498	0.146						Si
133	7.6	5.4	7.6	5.4	100463	SLU 35	111090	507498	0.146						Si
154	7.6	5.4	7.6	5.4	114000	SLU 36	117471	507498	0.146						Si
174	7.6	5.4	7.6	5.4	117681	SLU 36	117681	507498	0.146						Si
195	7.6	5.4	7.6	5.4	110141	SLU 36	116543	507498	0.146						Si
215	7.6	5.4	7.6	5.4	93690	SLU 30	106303	507498	0.146						Si
225	7.6	5.4	7.6	5.4	81832	SLU 30	98462	507498	0.146						Si
246	7.6	5.4	7.6	5.4	51431	SLU 29	74974	507498	0.146	21234	SLU 8	-6898	-507498	0.146	Si
266	7.6	5.4	7.6	5.4	13076	SLU 11	42310	507498	0.146	-18638	SLU 26	-63441	-507498	0.146	Si
287	7.6	5.4	7.6	5.4	-25047	SLU 2	3493	507498	0.146	-80307	SLU 35	-80307	-507498	0.146	Si
307	7.6	5.4	7.6	5.4						-150203	SLU 35	-112617	-507498	0.146	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	377063	SLV 15	375327	507498	0.146	-766100	SLV 1	-700239	-507498	0.146	Si
20	7.6	5.4	7.6	5.4	369889	SLV 15	369889	507498	0.146	-638021	SLV 1	-638021	-507498	0.146	No
41	7.6	5.4	7.6	5.4	354458	SLV 15	366474	507498	0.146	-511457	SLV 1	-604719	-507498	0.146	No
61	7.6	5.4	7.6	5.4	331461	SLV 15	349396	507498	0.146	-395875	SLV 1	-483190	-507498	0.146	Si
82	7.6	5.4	7.6	5.4	300683	SLV 13	317044	507498	0.146	-288133	SLV 3	-347768	-507498	0.146	Si
92	7.6	5.4	7.6	5.4	282384	SLV 13	309175	507498	0.146	-237210	SLV 3	-315584	-507498	0.146	Si
113	7.6	5.4	7.6	5.4	240005	SLV 13	272654	507498	0.146	-141300	SLV 3	-213668	-507498	0.146	Si
133	7.6	5.4	7.6	5.4	190077	SLV 13	228441	507498	0.146	-53464	SLV 3	-119680	-507498	0.146	Si
154	7.6	5.4	7.6	5.4	133545	SLV 13	176806	507498	0.146	25354	SLV 3	-33894	-507498	0.146	Si
174	7.6	5.4	7.6	5.4	105177	SLV 5	151745	507498	0.146						Si
195	7.6	5.4	7.6	5.4	166702	SLV 1	210230	507498	0.146	-10095	SLV 15	-71351	-507498	0.146	Si
215	7.6	5.4	7.6	5.4	223417	SLV 1	261160	507498	0.146	-91388	SLV 15	-158725	-507498	0.146	Si
225	7.6	5.4	7.6	5.4	248923	SLV 1	283733	507498	0.146	-135042	SLV 15	-205378	-507498	0.146	Si
246	7.6	5.4	7.6	5.4	294142	SLV 1	323058	507498	0.146	-228272	SLV 15	-304579	-507498	0.146	Si
266	7.6	5.4	7.6	5.4	331598	SLV 1	354600	507498	0.146	-329361	SLV 15	-411619	-507498	0.146	Si
287	7.6	5.4	7.6	5.4	361848	SLV 1	361848	507498	0.146	-441084	SLV 15	-441084	-507498	0.146	Si
307	7.6	5.4	7.6	5.4	383139	SLV 1	374348	507498	0.146	-555033	SLV 15	-496241	-507498	0.146	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	58235	SLD 15	58235	507498	0.146	-447272	SLD 1	-400264	-507498	0.146	Si
20	7.6	5.4	7.6	5.4	88782	SLD 15	107256	507498	0.146	-356914	SLD 1	-356914	-507498	0.146	Si
41	7.6	5.4	7.6	5.4	112952	SLD 15	125309	507498	0.146	-269951	SLD 1	-333852	-507498	0.146	Si
61	7.6	5.4	7.6	5.4	128604	SLD 15	135038	507498	0.146	-193017	SLD 1	-250980	-507498	0.146	Si
82	7.6	5.4	7.6	5.4	136458	SLD 13	137464	507498	0.146	-123908	SLD 3	-166314	-507498	0.146	Si
92	7.6	5.4	7.6	5.4	137464	SLD 13	137464	507498	0.146	-92290	SLD 3	-141335	-507498	0.146	Si
113	7.6	5.4	7.6	5.4	133653	SLD 13	137014	507498	0.146	-34948	SLD 3	-78027	-507498	0.146	Si
133	7.6	5.4	7.6	5.4	122146	SLD 13	131343	507498	0.146	14467	SLD 3	-22583	-507498	0.146	Si
154	7.6	5.4	7.6	5.4	103362	SLD 13	118034	507498	0.146						Si
174	7.6	5.4	7.6	5.4	92691	SLD 5	111652	507498	0.146						Si
195	7.6	5.4	7.6	5.4	117403	SLD 1	131708	507498	0.146						Si
215	7.6	5.4	7.6	5.4	135629	SLD 1	144067	507498	0.146	-3601	SLD 15	-41632	-507498	0.146	Si
225	7.6	5.4	7.6	5.4	141847	SLD 1	147333	507498	0.146	-27966	SLD 15	-68978	-507498	0.146	Si
246	7.6	5.4	7.6	5.4	148454	SLD 1	148837	507498	0.146	-82584	SLD 15	-129545	-507498	0.146	Si
266	7.6	5.4	7.6	5.4	147271	SLD 1	148837	507498	0.146	-145034	SLD 15	-197936	-507498	0.146	Si
287	7.6	5.4	7.6	5.4	137926	SLD 1	145408	507498	0.146	-217162	SLD 15	-217162	-507498	0.146	Si
307	7.6	5.4	7.6	5.4	121500	SLD 1	121500	507498	0.146	-293393	SLD 15	-253450	-507498	0.146	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4559	SLU 36	4559	6579	36615	0	6579	1	Si
20	0.06	7.6	0	4025	SLU 36	4025	6579	36615	3739	6579	1	Si
41	0.06	7.6	0	3464	SLU 36	3464	6579	36615	3739	6579	1	Si
61	0.06	7.6	0	2917	SLU 36	2917	6579	36615	3739	6579	1	Si
82	0.06	7.6	0	2369	SLU 36	2369	6579	36615	3739	6579	1	Si
92	0.06	7.6	0	2096	SLU 36	2096	6579	36615	3739	6579	1	Si
113	0.06	7.6	0	1572	SLU 30	1572	6579	36615	3739	6579	1	Si
133	0.06	7.6	0	1052	SLU 30	1052	6579	36615	3739	6579	1	Si
154	0.06	7.6	0	545	SLU 29	545	6579	36615	3739	6579	1	Si
174	0.06	7.6	0	69	SLU 2	69	6579	36615	3739	6579	1	Si
174	0.06	7.6	0	-207	SLU 35	-207	-6579	-36615	-3739	-6579	1	Si
195	0.06	7.6	0	-754	SLU 35	-754	-6579	-36615	-3739	-6579	1	Si
215	0.06	7.6	0	-1302	SLU 35	-1302	-6579	-36615	-3739	-6579	1	Si
225	0.06	7.6	0	-1575	SLU 35	-1575	-6579	-36615	-3739	-6579	1	Si
246	0.06	7.6	0	-2123	SLU 35	-2123	-6579	-36615	-3739	-6579	1	Si
266	0.06	7.6	0	-2670	SLU 35	-2670	-6579	-36615	-3739	-6579	1	Si
287	0.06	7.6	0	-3231	SLU 35	-3231	-6579	-36615	-3739	-6579	1	Si
307	0	7.6	0	-3765	SLU 35	-3765	-6579	-36615	0	-6579	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	6594	SLV 1	7473	6579	36615	0	6579	1	Si
0	0	7.6	0	-172	SLV 15	-1052	-6579	-36615	0	-6579	1	Si
20	0.06	7.6	0	6222	SLV 1	7101	6579	36615	3739	6579	1	No
20	0.06	7.6	0	-544	SLV 15	-1423	-6579	-36615	-3739	-6579	1	Si
41	0.06	7.6	0	5832	SLV 1	6711	6579	36615	3739	6579	1	No
41	0.06	7.6	0	-934	SLV 15	-1814	-6579	-36615	-3739	-6579	1	Si
61	0.06	7.6	0	5451	SLV 1	6330	6579	36615	3739	6579	1	Si
61	0.06	7.6	0	-1315	SLV 15	-2195	-6579	-36615	-3739	-6579	1	Si
82	0.06	7.6	0	5069	SLV 1	5949	6579	36615	3739	6579	1	Si
82	0.06	7.6	0	-1696	SLV 15	-2576	-6579	-36615	-3739	-6579	1	Si
92	0.06	7.6	0	4879	SLV 1	5759	6579	36615	3739	6579	1	Si
92	0.06	7.6	0	-1887	SLV 15	-2766	-6579	-36615	-3739	-6579	1	Si
113	0.06	7.6	0	4498	SLV 1	5377	6579	36615	3739	6579	1	Si
113	0.06	7.6	0	-2268	SLV 15	-3147	-6579	-36615	-3739	-6579	1	Si
133	0.06	7.6	0	4117	SLV 1	4996	6579	36615	3739	6579	1	Si
133	0.06	7.6	0	-2649	SLV 15	-3528	-6579	-36615	-3739	-6579	1	Si
154	0.06	7.6	0	3736	SLV 1	4615	6579	36615	3739	6579	1	Si
154	0.06	7.6	0	-3030	SLV 15	-3909	-6579	-36615	-3739	-6579	1	Si
174	0.06	7.6	0	3355	SLV 1	4234	6579	36615	3739	6579	1	Si
174	0.06	7.6	0	-3411	SLV 15	-4290	-6579	-36615	-3739	-6579	1	Si
195	0.06	7.6	0	2974	SLV 1	3853	6579	36615	3739	6579	1	Si
195	0.06	7.6	0	-3792	SLV 15	-4671	-6579	-36615	-3739	-6579	1	Si
215	0.06	7.6	0	2593	SLV 1	3472	6579	36615	3739	6579	1	Si
215	0.06	7.6	0	-4173	SLV 15	-5052	-6579	-36615	-3739	-6579	1	Si
225	0.06	7.6	0	2402	SLV 1	3282	6579	36615	3739	6579	1	Si
225	0.06	7.6	0	-4363	SLV 15	-5243	-6579	-36615	-3739	-6579	1	Si
246	0.06	7.6	0	2021	SLV 1	2901	6579	36615	3739	6579	1	Si
246	0.06	7.6	0	-4744	SLV 15	-5624	-6579	-36615	-3739	-6579	1	Si
266	0.06	7.6	0	1640	SLV 1	2520	6579	36615	3739	6579	1	Si
266	0.06	7.6	0	-5125	SLV 15	-6005	-6579	-36615	-3739	-6579	1	Si
287	0.06	7.6	0	1250	SLV 1	2130	6579	36615	3739	6579	1	Si
287	0.06	7.6	0	-5516	SLV 15	-6395	-6579	-36615	-3739	-6579	1	Si
307	0	7.6	0	878	SLV 1	1758	6579	36615	0	6579	1	Si
307	0	7.6	0	-5887	SLV 15	-6767	-6579	-36615	0	-6579	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4707	SLD 1	4707	6579	36615	0	6579	1	Si
20	0.06	7.6	0	4335	SLD 1	4335	6579	36615	3739	6579	1	Si
41	0.06	7.6	0	3945	SLD 1	3945	6579	36615	3739	6579	1	Si
61	0.06	7.6	0	3564	SLD 1	3564	6579	36615	3739	6579	1	Si
82	0.06	7.6	0	3183	SLD 1	3183	6579	36615	3739	6579	1	Si
92	0.06	7.6	0	2992	SLD 1	2992	6579	36615	3739	6579	1	Si
113	0.06	7.6	0	2611	SLD 1	2611	6579	36615	3739	6579	1	Si
113	0.06	7.6	0	-381	SLD 15	-381	-6579	-36615	-3739	-6579	1	Si
133	0.06	7.6	0	2230	SLD 1	2230	6579	36615	3739	6579	1	Si
133	0.06	7.6	0	-762	SLD 15	-762	-6579	-36615	-3739	-6579	1	Si
154	0.06	7.6	0	1849	SLD 1	1849	6579	36615	3739	6579	1	Si
154	0.06	7.6	0	-1143	SLD 15	-1143	-6579	-36615	-3739	-6579	1	Si
174	0.06	7.6	0	1468	SLD 1	1468	6579	36615	3739	6579	1	Si
174	0.06	7.6	0	-1524	SLD 15	-1524	-6579	-36615	-3739	-6579	1	Si
195	0.06	7.6	0	1087	SLD 1	1087	6579	36615	3739	6579	1	Si
195	0.06	7.6	0	-1905	SLD 15	-1905	-6579	-36615	-3739	-6579	1	Si
215	0.06	7.6	0	706	SLD 1	706	6579	36615	3739	6579	1	Si
215	0.06	7.6	0	-2286	SLD 15	-2286	-6579	-36615	-3739	-6579	1	Si
225	0.06	7.6	0	515	SLD 1	515	6579	36615	3739	6579	1	Si
225	0.06	7.6	0	-2476	SLD 15	-2476	-6579	-36615	-3739	-6579	1	Si
246	0.06	7.6	0	134	SLD 1	134	6579	36615	3739	6579	1	Si
246	0.06	7.6	0	-2857	SLD 15	-2857	-6579	-36615	-3739	-6579	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
266	0.06	7.6	0	-3238	SLD 15	-3238	-6579	-36615	-3739	-6579	1	Si
287	0.06	7.6	0	-3629	SLD 15	-3629	-6579	-36615	-3739	-6579	1	Si
307	0	7.6	0	-4000	SLD 15	-4000	-6579	-36615	0	-6579	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-203414	3	-170230	21	124.5	728.9	1837	-194519	2	-162456	20	93.4	0	+∞	Si
20	-140818	3	-140818	17.4	124.5	603	1837	-134066	2	-134066	16.5	93.4	0	+∞	Si
41	-83215	3	-125332	15.5	124.5	536.6	1837	-78500	2	-119123	14.7	93.4	0	+∞	Si
61	-35808	2	-71174	8.8	124.5	304.8	1837	-32207	2	-66897	8.3	93.4	0	+∞	Si
82	14505	8	38202	4.7	124.5	163.6	1837	10357	1	33119	4.1	93.4	0	+∞	Si
92	30823	8	51330	6.3	124.5	219.8	1837	26009	1	45804	5.7	93.4	0	+∞	Si
113	57158	8	71283	8.8	124.5	305.2	1837	51454	1	65317	8.1	93.4	0	+∞	Si
133	75090	8	83092	10.3	124.5	355.8	1837	69088	1	77240	9.5	93.4	0	+∞	Si
154	85249	9	87781	10.8	124.5	375.9	1837	79450	2	82450	10.2	93.4	0	+∞	Si
174	87918	9	87918	10.8	124.5	376.4	1837	82782	2	82782	10.2	93.4	0	+∞	Si
195	82185	9	87044	10.7	124.5	372.7	1837	78304	2	82175	10.1	93.4	0	+∞	Si
215	69592	3	79291	9.8	124.5	339.5	1837	66014	2	75818	9.4	93.4	0	+∞	Si
225	60529	3	73255	9	124.5	313.7	1837	56941	2	69710	8.6	93.4	0	+∞	Si
246	37255	2	55289	6.8	124.5	236.7	1837	32935	2	51637	6.4	93.4	0	+∞	Si
266	6319	2	30285	3.7	124.5	129.7	1837	1118	2	25753	3.2	93.4	0	+∞	Si
266	-13145	8	-46879	5.8	124.5	200.7	1837	-6682	1	-37312	4.6	93.4	0	+∞	Si
287	-59479	8	-59479	7.3	124.5	254.7	1837	-48771	1	-48771	6	93.4	0	+∞	Si
307	-111708	8	-83619	10.3	124.5	358	1837	-96387	1	-70743	8.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
41	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.002	1	0.002	1	9999	Si
61	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	1	0.005	1	9999	Si
82	0.006	0.005	0.004	0.003	0.005	0.005	0.004	0.004	0.005	0.005	0.009	1	0.009	1	9999	Si
92	0.006	0.006	0.005	0.004	0.006	0.006	0.004	0.004	0.006	0.006	0.011	1	0.011	1	9999	Si
113	0.008	0.007	0.006	0.006	0.008	0.007	0.006	0.006	0.007	0.007	0.014	1	0.014	1	9999	Si
133	0.009	0.009	0.007	0.007	0.009	0.009	0.007	0.007	0.009	0.009	0.017	2	0.017	2	9999	Si
154	0.01	0.009	0.008	0.007	0.009	0.009	0.007	0.007	0.009	0.009	0.019	2	0.018	2	9999	Si
174	0.01	0.009	0.008	0.007	0.01	0.009	0.008	0.007	0.01	0.009	0.019	2	0.019	2	9999	Si
195	0.01	0.009	0.008	0.007	0.009	0.009	0.007	0.007	0.009	0.009	0.018	2	0.018	2	9999	Si
215	0.008	0.008	0.007	0.006	0.008	0.008	0.006	0.006	0.008	0.008	0.016	2	0.015	2	9999	Si
225	0.008	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.014	2	9999	Si
246	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.011	2	0.011	2	9999	Si
266	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.007	2	9999	Si
287	0.002	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	2839	4262	6579	SLV 1	0.32	519	0.878	-134066	-503955	-507498	SLV 1	0.27	356	0.753	No
41	2449	4262	6579	SLV 1	0.35	659	0.969	-119123	-485596	-507498	SLV 1	0.29	420	0.805	No
61	2068	4262	6579	SLV 1	0.38	817	1.058	-66897	-416293	-507498	SLV 1	0.38	817	1.058	Si
82	1687	4262	6579	SLV 1	0.42	998	1.148	-22483	-325285	-507498	SLV 1	0.53	2001	1.528	Si
92	1496	4262	6579	SLV 1	0.43	1104	1.197	-3205	-312379	-507498	SLV 3	0.57	2474	1.666	Si
113	1115	4262	6579	SLV 1	0.46	1337	1.295	29493	243161	507498	SLV 13	0.57	2474	1.666	Si
133	734	4262	6579	SLV 1	0.49	1599	1.393	54380	174060	507498	SLV 13	0.57	2474	1.666	Si
154	353	4262	6579	SLV 1	0.52	1894	1.494	71456	105350	507498	SLV 13	0.57	2474	1.666	Si
174	-28	-4262	-6579	SLV 15	0.55	2170	1.579	79850	71895	507498	SLV 1	0.57	2474	1.666	Si
195	-409	-4262	-6579	SLV 15	0.52	1849	1.479	69439	140790	507498	SLV 1	0.57	2474	1.666	Si
215	-790	-4262	-6579	SLV 15	0.49	1559	1.379	51218	209943	507498	SLV 1	0.57	2474	1.666	Si
225	-980	-4262	-6579	SLV 15	0.47	1426	1.329	39178	244556	507498	SLV 1	0.57	2474	1.666	Si
246	-1362	-4262	-6579	SLV 15	0.44	1183	1.231	9240	313818	507498	SLV 1	0.56	2367	1.636	Si
266	-1743	-4262	-6579	SLV 15	0.41	969	1.135	-28509	-383109	-507498	SLV 15	0.45	1251	1.26	Si
287	-2133	-4262	-6579	SLV 15	0.38	789	1.043	-39618	-401466	-507498	SLV 15	0.42	1039	1.168	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	2839	1496	6579	SLD 1	0.34	591	2.331	-134066	-222848	-507498	SLD 1	0.23	242	1.617	Si
41	2449	1496	6579	SLD 1	0.37	752	2.573	-119123	-214730	-507498	SLD 1	0.25	286	1.731	Si
61	2068	1496	6579	SLD 1	0.4	932	2.81	-66897	-184083	-507498	SLD 1	0.32	531	2.231	Si
82	1687	1496	6579	SLD 1	0.44	1154	3.067	-22483	-143831	-507498	SLD 1	0.45	1251	3.17	Si
92	1496	1496	6579	SLD 1	0.45	1277	3.197	-3205	-138130	-507498	SLD 3	0.49	1545	3.457	Si
113	1115	1496	6579	SLD 1	0.49	1547	3.459	29493	107520	507498	SLD 13	0.58	2474	4.193	Si
133	734	1496	6579	SLD 1	0.52	1853	3.724	54380	76963	507498	SLD 13	0.6	2474	4.193	Si
154	353	1496	6579	SLD 1	0.55	2194	3.991	71456	46578	507498	SLD 13	0.6	2474	4.193	Si
174	-28	-1496	-6579	SLD 15	0.58	2474	4.193	79850	31801	507498	SLD 1	0.6	2474	4.193	Si
195	-409	-1496	-6579	SLD 15	0.54	2141	3.952	69439	62269	507498	SLD 1	0.6	2474	4.193	Si
215	-790	-1496	-6579	SLD 15	0.51	1806	3.685	51218	92849	507498	SLD 1	0.6	2474	4.193	Si
225	-980	-1496	-6579	SLD 15	0.5	1652	3.553	39178	108156	507498	SLD 1	0.57	2438	4.168	Si
246	-1362	-1496	-6579	SLD 15	0.46	1368	3.289	9240	-138785	-507498	SLD 15	0.49	1628	3.532	Si
266	-1743	-1496	-6579	SLD 15	0.43	1119	3.029	-28509	-169426	-507498	SLD 15	0.38	795	2.633	Si
287	-2133	-1496	-6579	SLD 15	0.4	899	2.769	-39618	-177544	-507498	SLD 15	0.36	671	2.456	Si

Campata 3 tra i fili 2 - 3, sezione R 40x40, asta 1191

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-231637	SLU 35	-184825	-507498	0.146	Si
20	7.6	5.4	7.6	5.4						-142889	SLU 35	-142889	-507498	0.146	Si
24	7.6	5.4	7.6	5.4						-123822	SLU 35	-142889	-507498	0.146	Si
49	7.6	5.4	7.6	5.4	-2782	SLU 11	35047	507498	0.146	-32136	SLU 26	-88906	-507498	0.146	Si
73	7.6	5.4	7.6	5.4	57810	SLU 29	92685	507498	0.146	31304	SLU 8	-4575	-507498	0.146	Si
98	7.6	5.4	7.6	5.4	110770	SLU 30	138569	507498	0.146						Si
110	7.6	5.4	7.6	5.4	133445	SLU 36	156387	507498	0.146						Si
135	7.6	5.4	7.6	5.4	167247	SLU 36	180003	507498	0.146						Si
159	7.6	5.4	7.6	5.4	185022	SLU 36	187899	507498	0.146						Si
184	7.6	5.4	7.6	5.4	186769	SLU 36	187899	507498	0.146						Si
208	7.6	5.4	7.6	5.4	173903	SLU 35	183239	507498	0.146						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
233	7.6	5.4	7.6	5.4	145483	SLU 35	165004	507498	0.146						Si
257	7.6	5.4	7.6	5.4	101036	SLU 35	130743	507498	0.146						Si
282	7.6	5.4	7.6	5.4	40563	SLU 35	80455	507498	0.146	15779	SLU 2	-21735	-507498	0.146	Si
294	7.6	5.4	7.6	5.4	5850	SLU 26	49301	507498	0.146	-12014	SLU 11	-61628	-507498	0.146	Si
318	7.6	5.4	7.6	5.4						-93170	SLU 30	-154534	-507498	0.146	Si
343	7.6	5.4	7.6	5.4						-192531	SLU 36	-213552	-507498	0.146	Si
347	7.6	5.4	7.6	5.4						-213552	SLU 36	-213552	-507498	0.146	Si
367	7.6	5.4	7.6	5.4						-310927	SLU 36	-259831	-507498	0.146	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	335581	SLV 13	335581	507498	0.146	-630884	SLV 3	-570183	-507498	0.146	No
20	7.6	5.4	7.6	5.4	338302	SLV 13	338302	507498	0.146	-512866	SLV 3	-512866	-507498	0.146	No
24	7.6	5.4	7.6	5.4	338287	SLV 13	338302	507498	0.146	-486940	SLV 3	-512866	-507498	0.146	No
49	7.6	5.4	7.6	5.4	329841	SLV 13	336224	507498	0.146	-354156	SLV 3	-437524	-507498	0.146	Si
73	7.6	5.4	7.6	5.4	310247	SLV 13	323714	507498	0.146	-232537	SLV 3	-308810	-507498	0.146	Si
98	7.6	5.4	7.6	5.4	279513	SLV 13	300059	507498	0.146	-122089	SLV 3	-191261	-507498	0.146	Si
110	7.6	5.4	7.6	5.4	259975	SLV 13	284055	507498	0.146	-71061	SLV 3	-136677	-507498	0.146	Si
135	7.6	5.4	7.6	5.4	212597	SLV 13	243711	507498	0.146	22562	SLV 3	-35908	-507498	0.146	Si
159	7.6	5.4	7.6	5.4	154606	SLV 13	192350	507498	0.146						Si
184	7.6	5.4	7.6	5.4	177780	SLV 1	216676	507498	0.146						Si
208	7.6	5.4	7.6	5.4	237525	SLV 3	269676	507498	0.146	2501	SLV 13	-54943	-507498	0.146	Si
233	7.6	5.4	7.6	5.4	286533	SLV 3	311646	507498	0.146	-89507	SLV 13	-154093	-507498	0.146	Si
257	7.6	5.4	7.6	5.4	324454	SLV 3	342495	507498	0.146	-192740	SLV 13	-264432	-507498	0.146	Si
282	7.6	5.4	7.6	5.4	351244	SLV 3	362202	507498	0.146	-307152	SLV 13	-385942	-507498	0.146	Si
294	7.6	5.4	7.6	5.4	360460	SLV 3	367875	507498	0.146	-368546	SLV 13	-450883	-507498	0.146	Si
318	7.6	5.4	7.6	5.4	370530	SLV 3	371384	507498	0.146	-499706	SLV 13	-589135	-507498	0.146	No
343	7.6	5.4	7.6	5.4	369449	SLV 3	371384	507498	0.146	-642026	SLV 13	-669704	-507498	0.146	No
347	7.6	5.4	7.6	5.4	367715	SLV 3	371197	507498	0.146	-669704	SLV 13	-669704	-507498	0.146	No
367	7.6	5.4	7.6	5.4	357256	SLV 3	357256	507498	0.146	-795465	SLV 13	-730911	-507498	0.146	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	66076	SLD 13	66076	507498	0.146	-361379	SLD 3	-316752	-507498	0.146	Si
20	7.6	5.4	7.6	5.4	100949	SLD 13	123408	507498	0.146	-275514	SLD 3	-275514	-507498	0.146	Si
24	7.6	5.4	7.6	5.4	108169	SLD 13	128847	507498	0.146	-256822	SLD 3	-275514	-507498	0.146	Si
49	7.6	5.4	7.6	5.4	139107	SLD 13	152697	507498	0.146	-163422	SLD 3	-221762	-507498	0.146	Si
73	7.6	5.4	7.6	5.4	158893	SLD 13	165398	507498	0.146	-81183	SLD 3	-132430	-507498	0.146	Si
98	7.6	5.4	7.6	5.4	167530	SLD 13	167670	507498	0.146	-10106	SLD 3	-54259	-507498	0.146	Si
110	7.6	5.4	7.6	5.4	167670	SLD 13	167670	507498	0.146	21243	SLD 3	-19360	-507498	0.146	Si
135	7.6	5.4	7.6	5.4	159613	SLD 13	165745	507498	0.146						Si
159	7.6	5.4	7.6	5.4	140635	SLD 13	153657	507498	0.146						Si
184	7.6	5.4	7.6	5.4	151316	SLD 1	165420	507498	0.146						Si
208	7.6	5.4	7.6	5.4	171971	SLD 3	179137	507498	0.146						Si
233	7.6	5.4	7.6	5.4	181655	SLD 3	182326	507498	0.146	15372	SLD 13	-24200	-507498	0.146	Si
257	7.6	5.4	7.6	5.4	180213	SLD 3	182326	507498	0.146	-48498	SLD 13	-95167	-507498	0.146	Si
282	7.6	5.4	7.6	5.4	167625	SLD 3	176641	507498	0.146	-123534	SLD 13	-177296	-507498	0.146	Si
294	7.6	5.4	7.6	5.4	157150	SLD 3	169709	507498	0.146	-165237	SLD 13	-222545	-507498	0.146	Si
318	7.6	5.4	7.6	5.4	127836	SLD 3	147482	507498	0.146	-257012	SLD 13	-321411	-507498	0.146	Si
343	7.6	5.4	7.6	5.4	87368	SLD 3	114102	507498	0.146	-359945	SLD 13	-380388	-507498	0.146	Si
347	7.6	5.4	7.6	5.4	78399	SLD 3	106913	507498	0.146	-380388	SLD 13	-380388	-507498	0.146	Si
367	7.6	5.4	7.6	5.4	35786	SLD 3	35786	507498	0.146	-473995	SLD 13	-425516	-507498	0.146	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4728	SLU 35	4728	6579	36615	0	6579	1	Si
20	0.061	7.6	0	4194	SLU 35	4194	6579	36615	3817	6579	1	Si
24	0.061	7.6	0	4074	SLU 35	4074	6579	36615	3817	6579	1	Si
49	0.061	7.6	0	3419	SLU 35	3419	6579	36615	3817	6579	1	Si
73	0.061	7.6	0	2765	SLU 35	2765	6579	36615	3817	6579	1	Si
98	0.061	7.6	0	2111	SLU 35	2111	6579	36615	3817	6579	1	Si
110	0.061	7.6	0	1784	SLU 35	1784	6579	36615	3817	6579	1	Si
135	0.061	7.6	0	1130	SLU 35	1130	6579	36615	3817	6579	1	Si
159	0.061	7.6	0	475	SLU 35	475	6579	36615	3817	6579	1	Si
184	0.061	7.6	0	-313	SLU 29	-313	-6579	-36615	-3817	-6579	1	Si
208	0.061	7.6	0	-925	SLU 30	-925	-6579	-36615	-3817	-6579	1	Si
233	0.061	7.6	0	-1564	SLU 36	-1564	-6579	-36615	-3817	-6579	1	Si
257	0.061	7.6	0	-2218	SLU 36	-2218	-6579	-36615	-3817	-6579	1	Si
282	0.061	7.6	0	-2872	SLU 36	-2872	-6579	-36615	-3817	-6579	1	Si
294	0.061	7.6	0	-3199	SLU 36	-3199	-6579	-36615	-3817	-6579	1	Si
318	0.061	7.6	0	-3854	SLU 36	-3854	-6579	-36615	-3817	-6579	1	Si
343	0.061	7.6	0	-4508	SLU 36	-4508	-6579	-36615	-3817	-6579	1	Si
347	0.061	7.6	0	-4628	SLU 36	-4628	-6579	-36615	-3817	-6579	1	Si
367	0	7.6	0	-5112	SLU 36	-5112	-6579	-36615	0	-6579	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	6103	SLV 3	6853	6579	36615	0	6579	1	Si
0	0	7.6	0	338	SLV 13	-412	-6579	-36615	0	-6579	1	Si
20	0.061	7.6	0	5732	SLV 3	6481	6579	36615	3817	6579	1	Si
20	0.061	7.6	0	-34	SLV 13	-784	-6579	-36615	-3817	-6579	1	Si
24	0.061	7.6	0	5648	SLV 3	6398	6579	36615	3817	6579	1	Si
24	0.061	7.6	0	-118	SLV 13	-867	-6579	-36615	-3817	-6579	1	Si
49	0.061	7.6	0	5193	SLV 3	5942	6579	36615	3817	6579	1	Si
49	0.061	7.6	0	-573	SLV 13	-1323	-6579	-36615	-3817	-6579	1	Si
73	0.061	7.6	0	4737	SLV 3	5487	6579	36615	3817	6579	1	Si
73	0.061	7.6	0	-1028	SLV 13	-1778	-6579	-36615	-3817	-6579	1	Si
98	0.061	7.6	0	4282	SLV 3	5032	6579	36615	3817	6579	1	Si
98	0.061	7.6	0	-1484	SLV 13	-2233	-6579	-36615	-3817	-6579	1	Si
110	0.061	7.6	0	4054	SLV 3	4804	6579	36615	3817	6579	1	Si
110	0.061	7.6	0	-1711	SLV 13	-2461	-6579	-36615	-3817	-6579	1	Si
135	0.061	7.6	0	3599	SLV 3	4349	6579	36615	3817	6579	1	Si
135	0.061	7.6	0	-2167	SLV 13	-2916	-6579	-36615	-3817	-6579	1	Si
159	0.061	7.6	0	3144	SLV 3	3893	6579	36615	3817	6579	1	Si
159	0.061	7.6	0	-2622	SLV 13	-3372	-6579	-36615	-3817	-6579	1	Si
184	0.061	7.6	0	2688	SLV 3	3438	6579	36615	3817	6579	1	Si
184	0.061	7.6	0	-3077	SLV 13	-3827	-6579	-36615	-3817	-6579	1	Si
208	0.061	7.6	0	2233	SLV 3	2983	6579	36615	3817	6579	1	Si
208	0.061	7.6	0	-3533	SLV 13	-4282	-6579	-36615	-3817	-6579	1	Si
233	0.061	7.6	0	1778	SLV 3	2527	6579	36615	3817	6579	1	Si
233	0.061	7.6	0	-3988	SLV 13	-4738	-6579	-36615	-3817	-6579	1	Si
257	0.061	7.6	0	1322	SLV 3	2072	6579	36615	3817	6579	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
257	0.061	7.6	0	-4443	SLV 13	-5193	-6579	-36615	-3817	-6579	1	Si
282	0.061	7.6	0	867	SLV 3	1617	6579	36615	3817	6579	1	Si
282	0.061	7.6	0	-4899	SLV 13	-5648	-6579	-36615	-3817	-6579	1	Si
294	0.061	7.6	0	639	SLV 3	1389	6579	36615	3817	6579	1	Si
294	0.061	7.6	0	-5126	SLV 13	-5876	-6579	-36615	-3817	-6579	1	Si
318	0.061	7.6	0	184	SLV 3	934	6579	36615	3817	6579	1	Si
318	0.061	7.6	0	-5582	SLV 13	-6331	-6579	-36615	-3817	-6579	1	Si
343	0.061	7.6	0	-271	SLV 3	478	6579	36615	3817	6579	1	Si
343	0.061	7.6	0	-6037	SLV 13	-6787	-6579	-36615	-3817	-6579	1	No
347	0.061	7.6	0	-355	SLV 3	395	6579	36615	3817	6579	1	Si
347	0.061	7.6	0	-6121	SLV 13	-6870	-6579	-36615	-3817	-6579	1	No
367	0	7.6	0	-693	SLV 3	57	6579	36615	0	6579	1	Si
367	0	7.6	0	-6459	SLV 13	-7208	-6579	-36615	0	-6579	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4496	SLD 3	4496	6579	36615	0	6579	1	Si
20	0.061	7.6	0	4124	SLD 3	4124	6579	36615	3817	6579	1	Si
24	0.061	7.6	0	4040	SLD 3	4040	6579	36615	3817	6579	1	Si
49	0.061	7.6	0	3585	SLD 3	3585	6579	36615	3817	6579	1	Si
73	0.061	7.6	0	3129	SLD 3	3129	6579	36615	3817	6579	1	Si
98	0.061	7.6	0	2674	SLD 3	2674	6579	36615	3817	6579	1	Si
110	0.061	7.6	0	2446	SLD 3	2446	6579	36615	3817	6579	1	Si
110	0.061	7.6	0	-104	SLD 13	-104	-6579	-36615	-3817	-6579	1	Si
135	0.061	7.6	0	1991	SLD 3	1991	6579	36615	3817	6579	1	Si
135	0.061	7.6	0	-559	SLD 13	-559	-6579	-36615	-3817	-6579	1	Si
159	0.061	7.6	0	1536	SLD 3	1536	6579	36615	3817	6579	1	Si
159	0.061	7.6	0	-1014	SLD 13	-1014	-6579	-36615	-3817	-6579	1	Si
184	0.061	7.6	0	1080	SLD 3	1080	6579	36615	3817	6579	1	Si
184	0.061	7.6	0	-1470	SLD 13	-1470	-6579	-36615	-3817	-6579	1	Si
208	0.061	7.6	0	625	SLD 3	625	6579	36615	3817	6579	1	Si
208	0.061	7.6	0	-1925	SLD 13	-1925	-6579	-36615	-3817	-6579	1	Si
233	0.061	7.6	0	170	SLD 3	170	6579	36615	3817	6579	1	Si
233	0.061	7.6	0	-2380	SLD 13	-2380	-6579	-36615	-3817	-6579	1	Si
257	0.061	7.6	0	-2836	SLD 13	-2836	-6579	-36615	-3817	-6579	1	Si
282	0.061	7.6	0	-3291	SLD 13	-3291	-6579	-36615	-3817	-6579	1	Si
294	0.061	7.6	0	-3519	SLD 13	-3519	-6579	-36615	-3817	-6579	1	Si
318	0.061	7.6	0	-3974	SLD 13	-3974	-6579	-36615	-3817	-6579	1	Si
343	0.061	7.6	0	-4429	SLD 13	-4429	-6579	-36615	-3817	-6579	1	Si
347	0.061	7.6	0	-4513	SLD 13	-4513	-6579	-36615	-3817	-6579	1	Si
367	0	7.6	0	-4851	SLD 13	-4851	-6579	-36615	0	-6579	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-173231	8	-138190	17	124.5	591.7	1837	-156011	1	-123689	15.3	93.4	0	+∞	Si
20	-106800	8	-106800	13.2	124.5	457.3	1837	-94761	1	-94761	11.7	93.4	0	+∞	Si
24	-92527	8	-106800	13.2	124.5	457.3	1837	-81607	1	-94761	11.7	93.4	0	+∞	Si
49	-23824	8	-66392	8.2	124.5	284.3	1837	-18360	1	-57538	7.1	93.4	0	+∞	Si
73	42271	2	68744	8.5	124.5	294.3	1837	38855	2	65201	8	93.4	0	+∞	Si
98	82461	3	103382	12.8	124.5	442.7	1837	78712	2	97968	12.1	93.4	0	+∞	Si
110	99527	9	116792	14.4	124.5	500.1	1837	94457	2	110168	13.6	93.4	0	+∞	Si
135	124973	9	134613	16.6	124.5	576.4	1837	117580	2	126201	15.6	93.4	0	+∞	Si
159	138421	9	140644	17.4	124.5	602.2	1837	129547	2	131347	16.2	93.4	0	+∞	Si
184	139868	9	140644	17.4	124.5	602.2	1837	130358	2	131347	16.2	93.4	0	+∞	Si
208	130260	8	137259	16.9	124.5	587.7	1837	120821	1	127727	15.8	93.4	0	+∞	Si
233	108968	8	123592	15.2	124.5	529.2	1837	100400	1	114394	14.1	93.4	0	+∞	Si
257	75676	8	97927	12.1	124.5	419.3	1837	68822	1	89907	11.1	93.4	0	+∞	Si
282	30386	8	60262	7.4	124.5	258	1837	26089	1	54263	6.7	93.4	0	+∞	Si
294	3242	8	36930	4.6	124.5	158.1	1837	539	1	32258	4	93.4	0	+∞	Si
294	-7099	2	-45016	5.6	124.5	192.7	1837	-4043	2	-41504	5.1	93.4	0	+∞	Si
318	-68696	3	-114735	14.2	124.5	491.3	1837	-64588	2	-109138	13.5	93.4	0	+∞	Si
343	-143197	9	-158909	19.6	124.5	680.4	1837	-136288	2	-150995	18.6	93.4	0	+∞	Si
347	-158909	9	-158909	19.6	124.5	680.4	1837	-150995	2	-150995	18.6	93.4	0	+∞	Si
367	-231698	9	-193500	23.9	124.5	828.5	1837	-219105	2	-183373	22.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
24	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
49	0.009	0.008	0.007	0.006	0.008	0.008	0.007	0.006	0.008	0.008	0.017	2	0.016	2	9999	Si
73	0.013	0.012	0.011	0.01	0.013	0.012	0.011	0.01	0.013	0.012	0.026	2	0.025	2	9999	Si
98	0.018	0.016	0.015	0.014	0.017	0.016	0.014	0.014	0.017	0.016	0.035	2	0.034	2	9999	Si
110	0.02	0.018	0.016	0.015	0.019	0.018	0.016	0.015	0.018	0.018	0.039	2	0.038	2	9512	Si
135	0.023	0.021	0.019	0.017	0.021	0.021	0.018	0.017	0.021	0.021	0.044	2	0.044	2	8261	Si
159	0.024	0.023	0.02	0.019	0.023	0.023	0.019	0.019	0.023	0.023	0.048	2	0.047	2	7693	Si
171	0.025	0.023	0.021	0.019	0.023	0.023	0.019	0.019	0.023	0.023	0.048	2	0.048	2	7599	Si
184	0.025	0.023	0.021	0.019	0.023	0.023	0.019	0.019	0.023	0.023	0.048	2	0.048	2	7620	Si
208	0.024	0.022	0.02	0.018	0.022	0.022	0.018	0.018	0.022	0.022	0.046	1	0.046	1	8008	Si
233	0.021	0.02	0.018	0.016	0.02	0.02	0.017	0.016	0.02	0.02	0.041	1	0.041	1	8945	Si
257	0.018	0.016	0.015	0.013	0.017	0.016	0.014	0.013	0.016	0.016	0.034	1	0.034	1	9999	Si
282	0.014	0.012	0.011	0.01	0.013	0.012	0.01	0.01	0.013	0.012	0.026	1	0.025	1	9999	Si
294	0.011	0.01	0.009	0.008	0.011	0.01	0.009	0.008	0.01	0.01	0.021	1	0.021	1	9999	Si
318	0.007	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.012	1	0.012	1	9999	Si
343	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.005	1	0.004	1	9999	Si
347	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	1	0.003	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	2849	3632	6579	SLV 3	0.37	759	1.027	-87282	-425584	-507498	SLV 3	0.36	690	0.987	No
24	2765	3632	6579	SLV 3	0.38	801	1.049	-87282	-425584	-507498	SLV 3	0.36	690	0.987	No
49	2310	3632	6579	SLV 3	0.42	1062	1.178	-50650	-386874	-507498	SLV 3	0.43	1076	1.184	Si
73	1854	3632	6579	SLV 3	0.47	1389	1.315	7452	316262	507498	SLV 13	0.56	2341	1.629	Si
98	1399	3632	6579	SLV 3	0.51	1776	1.455	54399	245660	507498	SLV 13	0.57	2474	1.666	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
110	1171	3632	6579	SLV 3	0.53	1993	1.525	73689	210366	507498	SLV 13	0.57	2474	1.666	Si
135	716	3632	6579	SLV 3	0.57	2474	1.666	103901	139809	507498	SLV 13	0.57	2474	1.666	Si
159	261	3632	6579	SLV 3	0.57	2474	1.666	122958	69392	507498	SLV 13	0.57	2474	1.666	Si
184	-195	-3632	-6579	SLV 13	0.57	2474	1.666	124800	91876	507498	SLV 3	0.57	2474	1.666	Si
208	-650	-3632	-6579	SLV 13	0.57	2474	1.666	107366	162310	507498	SLV 3	0.57	2474	1.666	Si
233	-1105	-3632	-6579	SLV 13	0.54	2059	1.546	78776	232869	507498	SLV 3	0.57	2474	1.666	Si
257	-1561	-3632	-6579	SLV 13	0.49	1632	1.405	39031	303463	507498	SLV 3	0.55	2196	1.587	Si
282	-2016	-3632	-6579	SLV 13	0.45	1267	1.267	-11870	-374072	-507498	SLV 13	0.48	1459	1.342	Si
294	-2244	-3632	-6579	SLV 13	0.43	1107	1.198	-41504	-409379	-507498	SLV 13	0.41	976	1.138	Si
318	-2699	-3632	-6579	SLV 13	0.39	836	1.068	-109138	-479997	-507498	SLV 13	0.3	455	0.832	No
343	-3154	-3632	-6579	SLV 13	0.34	617	0.943	-150995	-518709	-507498	SLV 13	0.25	302	0.704	No
347	-3238	-3632	-6579	SLV 13	0.34	581	0.92	-150995	-518709	-507498	SLV 13	0.25	302	0.704	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	2849	1275	6579	SLD 3	0.39	865	2.725	-87282	-188232	-507498	SLD 3	0.3	452	2.088	Si
24	2765	1275	6579	SLD 3	0.4	914	2.787	-87282	-188232	-507498	SLD 3	0.3	452	2.088	Si
49	2310	1275	6579	SLD 3	0.45	1228	3.146	-50650	-171112	-507498	SLD 3	0.36	692	2.487	Si
73	1854	1275	6579	SLD 3	0.49	1608	3.514	7452	139882	507498	SLD 13	0.48	1460	3.378	Si
98	1399	1275	6579	SLD 3	0.54	2057	3.887	54399	108658	507498	SLD 13	0.55	2205	4	Si
110	1171	1275	6579	SLD 3	0.56	2308	4.075	73689	78593	507498	SLD 15	0.6	2474	4.193	Si
135	716	1275	6579	SLD 3	0.6	2474	4.193	103901	61843	507498	SLD 13	0.6	2474	4.193	Si
159	261	1275	6579	SLD 3	0.6	2474	4.193	122958	30699	507498	SLD 13	0.6	2474	4.193	Si
184	-195	-1275	-6579	SLD 13	0.6	2474	4.193	124800	40620	507498	SLD 3	0.6	2474	4.193	Si
208	-650	-1275	-6579	SLD 13	0.6	2474	4.193	107366	71771	507498	SLD 3	0.6	2474	4.193	Si
233	-1105	-1275	-6579	SLD 13	0.57	2384	4.13	83580	98746	507498	SLD 3	0.57	2383	4.129	Si
257	-1561	-1275	-6579	SLD 13	0.52	1890	3.755	39031	134198	507498	SLD 3	0.47	1371	3.292	Si
282	-2016	-1275	-6579	SLD 13	0.48	1465	3.382	-11870	-165426	-507498	SLD 13	0.4	917	2.791	Si
294	-2244	-1275	-6579	SLD 13	0.45	1279	3.199	-41504	-181041	-507498	SLD 13	0.35	633	2.398	Si
318	-2699	-1275	-6579	SLD 13	0.41	953	2.836	-109138	-212273	-507498	SLD 13	0.26	310	1.789	Si
343	-3154	-1275	-6579	SLD 13	0.36	702	2.502	-150995	-229393	-507498	SLD 13	0.22	204	1.507	Si
347	-3238	-1275	-6579	SLD 13	0.35	661	2.441	-150995	-229393	-507498	SLD 13	0.22	204	1.507	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Falda 3" 8-1

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x40	Rettangolare	40	40	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 8 - 1, sezione R 40x40, asta 1235

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-189688	SLU 36	-149116	-507498	0.146	Si
23	7.6	5.4	7.6	5.4						-136477	SLU 36	-134479	-507498	0.146	Si
30	7.6	5.4	7.6	5.4						-124920	SLU 36	-124920	-507498	0.146	Si
47	7.6	5.4	7.6	5.4						-98969	SLU 36	-123019	-507498	0.146	Si
70	7.6	5.4	7.6	5.4						-66681	SLU 36	-87978	-507498	0.146	Si
93	7.6	5.4	7.6	5.4						-37388	SLU 36	-56686	-507498	0.146	Si
105	7.6	5.4	7.6	5.4						-23864	SLU 36	-42163	-507498	0.146	Si
128	7.6	5.4	7.6	5.4	7439	SLU 19	21772	507498	0.146	-1354	SLU 18	-15362	-507498	0.146	Si
152	7.6	5.4	7.6	5.4	28546	SLU 19	40881	507498	0.146						Si
175	7.6	5.4	7.6	5.4	46658	SLU 19	56995	507498	0.146						Si
198	7.6	5.4	7.6	5.4	61776	SLU 19	70115	507498	0.146						Si
222	7.6	5.4	7.6	5.4	73899	SLU 19	80240	507498	0.146						Si
245	7.6	5.4	7.6	5.4	83170	SLU 20	87888	507498	0.146						Si
268	7.6	5.4	7.6	5.4	89867	SLU 20	92586	507498	0.146						Si
280	7.6	5.4	7.6	5.4	92092	SLU 20	93812	507498	0.146						Si
303	7.6	5.4	7.6	5.4	94296	SLU 20	94296	507498	0.146						Si
327	7.6	5.4	7.6	5.4	93507	SLU 20	94283	507498	0.146						Si
330	7.6	5.4	7.6	5.4	93073	SLU 20	94277	507498	0.146						Si
350	7.6	5.4	7.6	5.4	89723	SLU 20	89723	507498	0.146						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	613333	SLV 11	566763	507498	0.146	-891569	SLV 5	-787645	-507498	0.146	No
23	7.6	5.4	7.6	5.4	540469	SLV 11	536882	507498	0.146	-742415	SLV 5	-735886	-507498	0.146	No
30	7.6	5.4	7.6	5.4	517368	SLV 11	517368	507498	0.146	-702084	SLV 5	-702084	-507498	0.146	No
47	7.6	5.4	7.6	5.4	457733	SLV 11	513568	507498	0.146	-603142	SLV 5	-695450	-507498	0.146	No
70	7.6	5.4	7.6	5.4	371376	SLV 11	429192	507498	0.146	-467506	SLV 5	-557822	-507498	0.146	No
93	7.6	5.4	7.6	5.4	282730	SLV 11	342072	507498	0.146	-334189	SLV 5	-422956	-507498	0.146	Si
105	7.6	5.4	7.6	5.4	237555	SLV 11	297655	507498	0.146	-268405	SLV 5	-356394	-507498	0.146	Si
128	7.6	5.4	7.6	5.4	145535	SLV 11	207120	507498	0.146	-138624	SLV 5	-225024	-507498	0.146	Si
152	7.6	5.4	7.6	5.4	59936	SLV 15	114406	507498	0.146	-19871	SLV 1	-96082	-507498	0.146	Si
175	7.6	5.4	7.6	5.4	118034	SLV 9	197590	507498	0.146	-49421	SLV 7	-112619	-507498	0.146	Si
198	7.6	5.4	7.6	5.4	238043	SLV 5	318593	507498	0.146	-145489	SLV 11	-212755	-507498	0.146	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
222	7.6	5.4	7.6	5.4	358505	SLV 5	437635	507498	0.146	-246617	SLV 11	-315537	-507498	0.146	Si
245	7.6	5.4	7.6	5.4	476811	SLV 5	554432	507498	0.146	-350195	SLV 11	-420681	-507498	0.146	No
268	7.6	5.4	7.6	5.4	592851	SLV 5	668947	507498	0.146	-456115	SLV 11	-528149	-507498	0.146	No
280	7.6	5.4	7.6	5.4	650014	SLV 5	725345	507498	0.146	-509946	SLV 11	-582751	-507498	0.146	No
303	7.6	5.4	7.6	5.4	762620	SLV 5	836418	507498	0.146	-619341	SLV 11	-693688	-507498	0.146	No
327	7.6	5.4	7.6	5.4	872928	SLV 5	888440	507498	0.146	-731046	SLV 11	-747251	-507498	0.146	No
330	7.6	5.4	7.6	5.4	888440	SLV 5	888440	507498	0.146	-747251	SLV 11	-747251	-507498	0.146	No
350	7.6	5.4	7.6	5.4	980936	SLV 5	932542	507498	0.146	-845058	SLV 11	-793119	-507498	0.146	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	193614	SLD 11	189017	507498	0.146	-471849	SLD 5	-409899	-507498	0.146	Si
23	7.6	5.4	7.6	5.4	182672	SLD 11	181906	507498	0.146	-384618	SLD 5	-380910	-507498	0.146	Si
30	7.6	5.4	7.6	5.4	177262	SLD 11	177262	507498	0.146	-361979	SLD 5	-361979	-507498	0.146	Si
47	7.6	5.4	7.6	5.4	161856	SLD 11	176372	507498	0.146	-307265	SLD 5	-358254	-507498	0.146	Si
70	7.6	5.4	7.6	5.4	137414	SLD 11	153915	507498	0.146	-233544	SLD 5	-282545	-507498	0.146	Si
93	7.6	5.4	7.6	5.4	110675	SLD 11	128708	507498	0.146	-162134	SLD 5	-209593	-507498	0.146	Si
105	7.6	5.4	7.6	5.4	96447	SLD 11	115244	507498	0.146	-127298	SLD 5	-173983	-507498	0.146	Si
128	7.6	5.4	7.6	5.4	66289	SLD 11	86600	507498	0.146	-59378	SLD 5	-104504	-507498	0.146	Si
152	7.6	5.4	7.6	5.4	37689	SLD 15	55708	507498	0.146	2376	SLD 1	-37383	-507498	0.146	Si
175	7.6	5.4	7.6	5.4	71323	SLD 9	111063	507498	0.146	-2710	SLD 7	-26091	-507498	0.146	Si
198	7.6	5.4	7.6	5.4	131065	SLD 5	170388	507498	0.146	-38511	SLD 11	-64550	-507498	0.146	Si
222	7.6	5.4	7.6	5.4	189724	SLD 5	227562	507498	0.146	-77836	SLD 11	-105464	-507498	0.146	Si
245	7.6	5.4	7.6	5.4	246145	SLD 5	282458	507498	0.146	-119530	SLD 11	-148707	-507498	0.146	Si
268	7.6	5.4	7.6	5.4	300279	SLD 5	335061	507498	0.146	-163543	SLD 11	-194263	-507498	0.146	Si
280	7.6	5.4	7.6	5.4	326485	SLD 5	360500	507498	0.146	-186417	SLD 11	-217906	-507498	0.146	Si
303	7.6	5.4	7.6	5.4	377173	SLD 5	409653	507498	0.146	-233895	SLD 11	-266923	-507498	0.146	Si
327	7.6	5.4	7.6	5.4	425560	SLD 5	432226	507498	0.146	-283678	SLD 11	-291037	-507498	0.146	Si
330	7.6	5.4	7.6	5.4	432226	SLD 5	432226	507498	0.146	-291037	SLD 11	-291037	-507498	0.146	Si
350	7.6	5.4	7.6	5.4	471646	SLD 5	451235	507498	0.146	-335767	SLD 11	-311812	-507498	0.146	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2445	SLU 36	2445	6579	36615	0	6579	1	Si
23	0	7.6	0	1820	SLU 36	1820	6579	36615	0	6579	1	Si
30	0.126	7.6	0	1613	SLU 36	1613	6579	36615	7814	7814	1	Si
47	0.126	7.6	0	1376	SLU 30	1376	6579	36615	7814	7814	1	Si
70	0.126	7.6	0	1255	SLU 30	1255	6579	36615	7814	7814	1	Si
93	0.11	7.6	0	1133	SLU 30	1133	6579	36615	6819	6819	1	Si
105	0.11	7.6	0	1073	SLU 30	1073	6579	36615	6819	6819	1	Si
128	0.11	7.6	0	951	SLU 30	951	6579	36615	6819	6819	1	Si
152	0.11	7.6	0	830	SLU 30	830	6579	36615	6819	6819	1	Si
175	0.11	7.6	0	709	SLU 30	709	6579	36615	6819	6819	1	Si
198	0.11	7.6	0	587	SLU 30	587	6579	36615	6819	6819	1	Si
222	0.11	7.6	0	466	SLU 30	466	6579	36615	6819	6819	1	Si
245	0.11	7.6	0	345	SLU 30	345	6579	36615	6819	6819	1	Si
268	0.11	7.6	0	223	SLU 30	223	6579	36615	6819	6819	1	Si
280	0.11	7.6	0	163	SLU 30	163	6579	36615	6819	6819	1	Si
303	0.075	7.6	0	42	SLU 12	42	6579	36615	4688	6579	1	Si
327	0.075	7.6	0	-116	SLU 24	-116	-6579	-36615	-4688	-6579	1	Si
330	0.075	7.6	0	-133	SLU 24	-133	-6579	-36615	-4688	-6579	1	Si
350	0	7.6	0	-237	SLU 24	-237	-6579	-36615	0	-6579	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	6227	SLV 5	7396	6579	36615	0	6579	1	Si
0	0	7.6	0	-2770	SLV 11	-3940	-6579	-36615	0	-6579	1	Si
23	0	7.6	0	5834	SLV 5	7003	6579	36615	0	6579	1	Si
23	0	7.6	0	-3163	SLV 11	-4333	-6579	-36615	0	-6579	1	Si
30	0.126	7.6	0	5704	SLV 5	6874	6579	36615	7814	7814	1	Si
30	0.126	7.6	0	-3293	SLV 11	-4463	-6579	-36615	-7814	-7814	1	Si
47	0.126	7.6	0	5544	SLV 5	6713	6579	36615	7814	7814	1	Si
47	0.126	7.6	0	-3453	SLV 11	-4623	-6579	-36615	-7814	-7814	1	Si
70	0.126	7.6	0	5450	SLV 5	6620	6579	36615	7814	7814	1	Si
70	0.126	7.6	0	-3547	SLV 11	-4716	-6579	-36615	-7814	-7814	1	Si
93	0.11	7.6	0	5357	SLV 5	6527	6579	36615	6819	6819	1	Si
93	0.11	7.6	0	-3640	SLV 11	-4810	-6579	-36615	-6819	-6819	1	Si
105	0.11	7.6	0	5310	SLV 5	6480	6579	36615	6819	6819	1	Si
105	0.11	7.6	0	-3687	SLV 11	-4856	-6579	-36615	-6819	-6819	1	Si
128	0.11	7.6	0	5217	SLV 5	6387	6579	36615	6819	6819	1	Si
128	0.11	7.6	0	-3780	SLV 11	-4950	-6579	-36615	-6819	-6819	1	Si
152	0.11	7.6	0	5124	SLV 5	6293	6579	36615	6819	6819	1	Si
152	0.11	7.6	0	-3873	SLV 11	-5043	-6579	-36615	-6819	-6819	1	Si
175	0.11	7.6	0	5030	SLV 5	6200	6579	36615	6819	6819	1	Si
175	0.11	7.6	0	-3967	SLV 11	-5136	-6579	-36615	-6819	-6819	1	Si
198	0.11	7.6	0	4937	SLV 5	6107	6579	36615	6819	6819	1	Si
198	0.11	7.6	0	-4060	SLV 11	-5230	-6579	-36615	-6819	-6819	1	Si
222	0.11	7.6	0	4844	SLV 5	6013	6579	36615	6819	6819	1	Si
222	0.11	7.6	0	-4153	SLV 11	-5323	-6579	-36615	-6819	-6819	1	Si
245	0.11	7.6	0	4750	SLV 5	5920	6579	36615	6819	6819	1	Si
245	0.11	7.6	0	-4247	SLV 11	-5416	-6579	-36615	-6819	-6819	1	Si
268	0.11	7.6	0	4657	SLV 5	5827	6579	36615	6819	6819	1	Si
268	0.11	7.6	0	-4340	SLV 11	-5510	-6579	-36615	-6819	-6819	1	Si
280	0.11	7.6	0	4610	SLV 5	5780	6579	36615	6819	6819	1	Si
280	0.11	7.6	0	-4387	SLV 11	-5556	-6579	-36615	-6819	-6819	1	Si
303	0.075	7.6	0	4517	SLV 5	5687	6579	36615	4688	6579	1	Si
303	0.075	7.6	0	-4480	SLV 11	-5650	-6579	-36615	-4688	-6579	1	Si
327	0.075	7.6	0	4424	SLV 5	5593	6579	36615	4688	6579	1	Si
327	0.075	7.6	0	-4573	SLV 11	-5743	-6579	-36615	-4688	-6579	1	Si
330	0.075	7.6	0	4410	SLV 5	5580	6579	36615	4688	6579	1	Si
330	0.075	7.6	0	-4587	SLV 11	-5756	-6579	-36615	-4688	-6579	1	Si
350	0	7.6	0	4330	SLV 5	5500	6579	36615	0	6579	1	Si
350	0	7.6	0	-4667	SLV 11	-5836	-6579	-36615	0	-6579	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3717	SLD 5	3717	6579	36615	0	6579	1	Si
0	0	7.6	0	-261	SLD 11	-261	-6579	-36615	0	-6579	1	Si
23	0	7.6	0	3324	SLD 5	3324	6579	36615	0	6579	1	Si
23	0	7.6	0	-654	SLD 11	-654	-6579	-36615	0	-6579	1	Si
30	0.126	7.6	0	3195	SLD 5	3195	6579	36615	7814	7814	1	Si
30	0.126	7.6	0	-784	SLD 11	-784	-6579	-36615	-7814	-7814	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
47	0.126	7.6	0	3034	SLD 5	3034	6579	36615	7814	7814	1	Si
47	0.126	7.6	0	-944	SLD 11	-944	-6579	-36615	-7814	-7814	1	Si
70	0.126	7.6	0	2941	SLD 5	2941	6579	36615	7814	7814	1	Si
70	0.126	7.6	0	-1037	SLD 11	-1037	-6579	-36615	-7814	-7814	1	Si
93	0.11	7.6	0	2848	SLD 5	2848	6579	36615	6819	6819	1	Si
93	0.11	7.6	0	-1131	SLD 11	-1131	-6579	-36615	-6819	-6819	1	Si
105	0.11	7.6	0	2801	SLD 5	2801	6579	36615	6819	6819	1	Si
105	0.11	7.6	0	-1177	SLD 11	-1177	-6579	-36615	-6819	-6819	1	Si
128	0.11	7.6	0	2708	SLD 5	2708	6579	36615	6819	6819	1	Si
128	0.11	7.6	0	-1271	SLD 11	-1271	-6579	-36615	-6819	-6819	1	Si
152	0.11	7.6	0	2614	SLD 5	2614	6579	36615	6819	6819	1	Si
152	0.11	7.6	0	-1364	SLD 11	-1364	-6579	-36615	-6819	-6819	1	Si
175	0.11	7.6	0	2521	SLD 5	2521	6579	36615	6819	6819	1	Si
175	0.11	7.6	0	-1457	SLD 11	-1457	-6579	-36615	-6819	-6819	1	Si
198	0.11	7.6	0	2428	SLD 5	2428	6579	36615	6819	6819	1	Si
198	0.11	7.6	0	-1551	SLD 11	-1551	-6579	-36615	-6819	-6819	1	Si
222	0.11	7.6	0	2334	SLD 5	2334	6579	36615	6819	6819	1	Si
222	0.11	7.6	0	-1644	SLD 11	-1644	-6579	-36615	-6819	-6819	1	Si
245	0.11	7.6	0	2241	SLD 5	2241	6579	36615	6819	6819	1	Si
245	0.11	7.6	0	-1737	SLD 11	-1737	-6579	-36615	-6819	-6819	1	Si
268	0.11	7.6	0	2148	SLD 5	2148	6579	36615	6819	6819	1	Si
268	0.11	7.6	0	-1831	SLD 11	-1831	-6579	-36615	-6819	-6819	1	Si
280	0.11	7.6	0	2101	SLD 5	2101	6579	36615	6819	6819	1	Si
280	0.11	7.6	0	-1877	SLD 11	-1877	-6579	-36615	-6819	-6819	1	Si
303	0.075	7.6	0	2008	SLD 5	2008	6579	36615	4688	6579	1	Si
303	0.075	7.6	0	-1971	SLD 11	-1971	-6579	-36615	-4688	-6579	1	Si
327	0.075	7.6	0	1914	SLD 5	1914	6579	36615	4688	6579	1	Si
327	0.075	7.6	0	-2064	SLD 11	-2064	-6579	-36615	-4688	-6579	1	Si
330	0.075	7.6	0	1901	SLD 5	1901	6579	36615	4688	6579	1	Si
330	0.075	7.6	0	-2077	SLD 11	-2077	-6579	-36615	-4688	-6579	1	Si
350	0	7.6	0	1821	SLD 5	1821	6579	36615	0	6579	1	Si
350	0	7.6	0	-2157	SLD 11	-2157	-6579	-36615	0	-6579	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-143719	9	-113172	14	124.5	484.6	1837	-139118	2	-110441	13.6	93.4	0	+∞	Si
23	-103528	9	-102010	12.6	124.5	436.8	1837	-100973	2	-99502	12.3	93.4	0	+∞	Si
30	-94720	9	-94720	11.7	124.5	405.6	1837	-92358	2	-92358	11.4	93.4	0	+∞	Si
47	-74869	9	-93271	11.5	124.5	399.4	1837	-72704	2	-90941	11.2	93.4	0	+∞	Si
70	-50129	9	-66446	8.2	124.5	284.5	1837	-48065	2	-64315	7.9	93.4	0	+∞	Si
93	-27692	9	-42472	5.2	124.5	181.9	1837	-25729	2	-40442	5	93.4	0	+∞	Si
105	-17337	9	-31349	3.9	124.5	134.2	1837	-15425	2	-29370	3.6	93.4	0	+∞	Si
128	4522	1	15625	1.9	124.5	66.9	1837	4522	1	15625	1.9	93.4	0	+∞	Si
152	20874	1	30441	3.8	124.5	130.3	1837	20874	1	30441	3.8	93.4	0	+∞	Si
175	34924	1	42953	5.3	124.5	183.9	1837	34924	1	42953	5.3	93.4	0	+∞	Si
198	46669	1	53162	6.6	124.5	227.6	1837	46669	1	53162	6.6	93.4	0	+∞	Si
222	56112	1	61067	7.5	124.5	261.5	1837	56112	1	61067	7.5	93.4	0	+∞	Si
245	63345	2	67014	8.3	124.5	286.9	1837	63308	2	66876	8.3	93.4	0	+∞	Si
268	68555	2	70687	8.7	124.5	302.7	1837	68368	2	70399	8.7	93.4	0	+∞	Si
280	70297	2	71659	8.8	124.5	306.8	1837	70034	2	71297	8.8	93.4	0	+∞	Si
303	72052	2	72065	8.9	124.5	308.6	1837	71639	2	71639	8.8	93.4	0	+∞	Si
327	71503	2	72065	8.9	124.5	308.6	1837	70941	2	71599	8.8	93.4	0	+∞	Si
330	71178	2	72065	8.9	124.5	308.6	1837	70595	2	71581	8.8	93.4	0	+∞	Si
350	68651	2	68651	8.5	124.5	294	1837	67939	2	67939	8.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
30	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
47	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	1	-0.002	1	9999	Si
70	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
93	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	1	0.003	1	9999	Si
105	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
128	0.004	0.003	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	1	0.007	1	9999	Si
152	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	1	0.01	1	9999	Si
175	0.007	0.006	0.005	0.005	0.007	0.006	0.005	0.005	0.007	0.006	0.014	1	0.013	1	9999	Si
198	0.008	0.007	0.006	0.006	0.008	0.007	0.006	0.006	0.008	0.007	0.016	1	0.015	1	9999	Si
222	0.008	0.008	0.007	0.006	0.008	0.008	0.007	0.006	0.008	0.008	0.017	1	0.016	1	9999	Si
233	0.008	0.008	0.007	0.006	0.008	0.008	0.007	0.007	0.008	0.008	0.017	1	0.017	1	9999	Si
245	0.008	0.008	0.007	0.006	0.008	0.008	0.007	0.007	0.008	0.008	0.017	1	0.016	1	9999	Si
268	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	1	0.015	1	9999	Si
280	0.007	0.007	0.006	0.005	0.007	0.007	0.006	0.006	0.007	0.007	0.014	1	0.014	1	9999	Si
303	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	1	0.011	1	9999	Si
327	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
330	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
30	1206	5668	7814	SLV 5	0.42	1040	1.168	-92358	-609726	-507498	SLV 5	0.25	295	0.697	No
47	1045	5668	7814	SLV 5	0.43	1108	1.199	-90941	-604509	-507498	SLV 5	0.26	304	0.705	No
70	952	5668	7814	SLV 5	0.44	1149	1.217	-64315	-493507	-507498	SLV 5	0.33	549	0.899	No
93	858	5668	6819	SLV 5	0.38	804	1.051	-40442	-382514	-507498	SLV 5	0.44	1175	1.228	Si
105	812	5668	6819	SLV 5	0.38	820	1.06	-29370	-327024	-507498	SLV 5	0.52	1898	1.495	Si
128	718	5668	6819	SLV 5	0.39	851	1.076	-8952	-216072	-507498	SLV 5	0.57	2474	1.666	Si
152	625	5668	6819	SLV 5	0.4	883	1.092	9162	105244	507498	SLV 11	0.57	2474	1.666	Si
175	532	5668	6819	SLV 5	0.4	916	1.109	42486	155105	507498	SLV 5	0.57	2474	1.666	Si
198	438	5668	6819	SLV 5	0.41	950	1.126	52919	265674	507498	SLV 5	0.57	2474	1.666	Si
222	345	5668	6819	SLV 5	0.41	985	1.142	61049	376586	507498	SLV 5	0.43	1087	1.189	Si
245	252	5668	6819	SLV 5	0.42	1023	1.16	66876	487557	507498	SLV 5	0.33	557	0.904	No
268	158	5668	6819	SLV 5	0.42	1062	1.178	70399	598548	507498	SLV 5	0.27	345	0.743	No
280	112	5668	6819	SLV 5	0.43	1082	1.187	71297	654048	507498	SLV 5	0.25	283	0.685	No
303	18	5668	6579	SLV 5	0.42	1020	1.159	71365	765053	507498	SLV 5	0.21	201	0.595	No
327	-75	-5668	-6579	SLV 11	0.42	997	1.148	70595	817845	507498	SLV 5	0.2	175	0.563	No

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
330	-88	-5668	-6579	SLV 11	0.41	992	1.146	70595	817845	507498	SLV 5	0.2	175	0.563	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
30	1206	1989	7814	SLD 5	0.44	1203	3.12	-92358	-269620	-507498	SLD 5	0.21	201	1.498	Si
47	1045	1989	7814	SLD 5	0.45	1281	3.201	-90941	-267313	-507498	SLD 5	0.22	206	1.513	Si
70	952	1989	7814	SLD 5	0.46	1329	3.25	-64315	-218230	-507498	SLD 5	0.28	368	1.92	Si
93	858	1989	6819	SLD 5	0.4	917	2.791	-40442	-169151	-507498	SLD 5	0.37	752	2.573	Si
105	812	1989	6819	SLD 5	0.41	934	2.812	-29370	-144614	-507498	SLD 5	0.44	1188	3.104	Si
128	718	1989	6819	SLD 5	0.41	971	2.857	-8952	-95552	-507498	SLD 5	0.6	2474	4.193	Si
152	625	1989	6819	SLD 5	0.42	1011	2.905	9162	46545	507498	SLD 11	0.6	2474	4.193	Si
175	532	1989	6819	SLD 5	0.42	1053	2.954	42486	68577	507498	SLD 5	0.6	2474	4.193	Si
198	438	1989	6819	SLD 5	0.43	1096	3.003	52919	117469	507498	SLD 5	0.51	1806	3.685	Si
222	345	1989	6819	SLD 5	0.44	1139	3.051	61049	166513	507498	SLD 5	0.36	699	2.497	Si
245	252	1989	6819	SLD 5	0.44	1183	3.098	66876	215583	507498	SLD 5	0.28	373	1.93	Si
268	158	1989	6819	SLD 5	0.45	1228	3.146	70399	264662	507498	SLD 5	0.23	235	1.597	Si
280	112	1989	6819	SLD 5	0.45	1251	3.17	71297	289203	507498	SLD 5	0.21	192	1.47	Si
303	18	1989	6579	SLD 5	0.44	1180	3.095	71365	338288	507498	SLD 5	0.18	138	1.284	Si
327	-75	-1989	-6579	SLD 11	0.44	1153	3.066	70595	361632	507498	SLD 5	0.17	121	1.217	Si
330	-88	-1989	-6579	SLD 11	0.44	1147	3.059	70595	361632	507498	SLD 5	0.17	121	1.217	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Falda 3" 9-2

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x40	Rettangolare	40	40	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 9 - 2, sezione R 40x40, aste 1141, 1142

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-186452	SLU 30	-161524	-507498	0.146	Si
20	7.6	5.4	7.6	5.4						-143582	SLU 29	-143582	-507498	0.146	Si
23	7.6	5.4	7.6	5.4						-137991	SLU 29	-143582	-507498	0.146	Si
46	7.6	5.4	7.6	5.4						-99810	SLU 29	-125238	-507498	0.146	Si
69	7.6	5.4	7.6	5.4						-65092	SLU 29	-88362	-507498	0.146	Si
92	7.6	5.4	7.6	5.4	-8941	SLU 1	7778	507498	0.146	-33324	SLU 30	-54576	-507498	0.146	Si
104	7.6	5.4	7.6	5.4	3478	SLU 19	19656	507498	0.146	-20939	SLU 12	-38810	-507498	0.146	Si
127	7.6	5.4	7.6	5.4	27010	SLU 19	41188	507498	0.146	1178	SLU 12	-13603	-507498	0.146	Si
150	7.6	5.4	7.6	5.4	47609	SLU 19	59833	507498	0.146						Si
173	7.6	5.4	7.6	5.4	65322	SLU 19	75593	507498	0.146						Si
196	7.6	5.4	7.6	5.4	80149	SLU 19	88466	507498	0.146						Si
219	7.6	5.4	7.6	5.4	92091	SLU 19	99902	507498	0.146						Si
242	7.6	5.4	7.6	5.4	103542	SLU 20	109939	507498	0.146						Si
253	7.6	5.4	7.6	5.4	108455	SLU 20	113900	507498	0.146						Si
276	7.6	5.4	7.6	5.4	116415	SLU 29	120454	507498	0.146						Si
299	7.6	5.4	7.6	5.4	122036	SLU 29	124121	507498	0.146						Si
322	7.6	5.4	7.6	5.4	124771	SLU 29	124934	507498	0.146						Si
325	7.6	5.4	7.6	5.4	124934	SLU 29	124934	507498	0.146						Si
345	7.6	5.4	7.6	5.4	124621	SLU 29	124621	507498	0.146						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	221134	SLV 7	208535	507498	0.146	-480768	SLV 9	-431887	-507498	0.146	Si
20	7.6	5.4	7.6	5.4	194112	SLV 7	194112	507498	0.146	-391039	SLV 9	-391039	-507498	0.146	Si
23	7.6	5.4	7.6	5.4	189475	SLV 7	194112	507498	0.146	-378168	SLV 9	-391039	-507498	0.146	Si
46	7.6	5.4	7.6	5.4	153048	SLV 7	177634	507498	0.146	-285666	SLV 9	-347579	-507498	0.146	Si
69	7.6	5.4	7.6	5.4	115241	SLV 7	141006	507498	0.146	-197073	SLV 9	-256860	-507498	0.146	Si
92	7.6	5.4	7.6	5.4	75370	SLV 7	102521	507498	0.146	-110856	SLV 9	-169023	-507498	0.146	Si
104	7.6	5.4	7.6	5.4	54746	SLV 7	82513	507498	0.146	-68725	SLV 9	-126004	-507498	0.146	Si
127	7.6	5.4	7.6	5.4	30743	SLV 1	75783	507498	0.146	-5146	SLV 15	-42026	-507498	0.146	Si
150	7.6	5.4	7.6	5.4	100579	SLV 5	152633	507498	0.146	-39919	SLV 11	-70884	-507498	0.146	Si
173	7.6	5.4	7.6	5.4	177419	SLV 5	228828	507498	0.146	-86136	SLV 11	-119461	-507498	0.146	Si
196	7.6	5.4	7.6	5.4	253169	SLV 5	296997	507498	0.146	-135702	SLV 11	-164452	-507498	0.146	Si
219	7.6	5.4	7.6	5.4	325544	SLV 9	375877	507498	0.146	-186333	SLV 7	-224637	-507498	0.146	Si
242	7.6	5.4	7.6	5.4	398887	SLV 9	446184	507498	0.146	-242474	SLV 7	-280828	-507498	0.146	Si
253	7.6	5.4	7.6	5.4	433962	SLV 9	480523	507498	0.146	-270654	SLV 7	-309775	-507498	0.146	Si
276	7.6	5.4	7.6	5.4	502481	SLV 9	547558	507498	0.146	-328712	SLV 7	-369355	-507498	0.146	No
299	7.6	5.4	7.6	5.4	568807	SLV 9	612395	507498	0.146	-389018	SLV 7	-431176	-507498	0.146	No
322	7.6	5.4	7.6	5.4	632931	SLV 9	641147	507498	0.146	-451561	SLV 7	-459869	-507498	0.146	No
325	7.6	5.4	7.6	5.4	641147	SLV 9	641147	507498	0.146	-459869	SLV 7	-459869	-507498	0.146	No
345	7.6	5.4	7.6	5.4	694847	SLV 9	666940	507498	0.146	-516336	SLV 7	-486188	-507498	0.146	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	25213	SLD 7	25213	507498	0.146	-284847	SLD 9	-253128	-507498	0.146	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
20	7.6	5.4	7.6	5.4	30783	SLD 7	31037	507498	0.146	-227709	SLD 9	-227709	-507498	0.146	Si
23	7.6	5.4	7.6	5.4	31033	SLD 7	31037	507498	0.146	-219726	SLD 9	-227709	-507498	0.146	Si
46	7.6	5.4	7.6	5.4	30596	SLD 7	31037	507498	0.146	-163214	SLD 9	-200981	-507498	0.146	Si
69	7.6	5.4	7.6	5.4	28073	SLD 7	29957	507498	0.146	-109905	SLD 9	-145810	-507498	0.146	Si
92	7.6	5.4	7.6	5.4	23399	SLD 7	26734	507498	0.146	-58886	SLD 9	-93236	-507498	0.146	Si
104	7.6	5.4	7.6	5.4	20293	SLD 7	24320	507498	0.146	-34272	SLD 9	-67811	-507498	0.146	Si
127	7.6	5.4	7.6	5.4	20734	SLD 1	47335	507498	0.146	4864	SLD 15	-18803	-507498	0.146	Si
150	7.6	5.4	7.6	5.4	61348	SLD 5	90226	507498	0.146	-688	SLD 11	-8477	-507498	0.146	Si
173	7.6	5.4	7.6	5.4	103835	SLD 5	131590	507498	0.146	-12552	SLD 11	-22223	-507498	0.146	Si
196	7.6	5.4	7.6	5.4	144602	SLD 5	168167	507498	0.146	-27136	SLD 11	-35623	-507498	0.146	Si
219	7.6	5.4	7.6	5.4	182639	SLD 9	208231	507498	0.146	-43429	SLD 7	-56990	-507498	0.146	Si
242	7.6	5.4	7.6	5.4	219838	SLD 9	243226	507498	0.146	-63426	SLD 7	-77870	-507498	0.146	Si
253	7.6	5.4	7.6	5.4	237256	SLD 9	259899	507498	0.146	-73948	SLD 7	-89151	-507498	0.146	Si
276	7.6	5.4	7.6	5.4	270441	SLD 9	291590	507498	0.146	-96672	SLD 7	-113387	-507498	0.146	Si
299	7.6	5.4	7.6	5.4	301418	SLD 9	321070	507498	0.146	-121629	SLD 7	-139851	-507498	0.146	Si
322	7.6	5.4	7.6	5.4	330183	SLD 9	333786	507498	0.146	-148813	SLD 7	-152508	-507498	0.146	Si
325	7.6	5.4	7.6	5.4	333786	SLD 9	333786	507498	0.146	-152508	SLD 7	-152508	-507498	0.146	Si
345	7.6	5.4	7.6	5.4	356734	SLD 9	345033	507498	0.146	-178222	SLD 7	-164280	-507498	0.146	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2291	SLU 36	2291	6579	36615	0	6579	1	Si
20	0.063	7.6	0	1805	SLU 30	1805	6579	36615	3894	6579	1	Si
23	0.063	7.6	0	1737	SLU 30	1737	6579	36615	3894	6579	1	Si
46	0.063	7.6	0	1487	SLU 29	1487	6579	36615	3894	6579	1	Si
69	0.063	7.6	0	1367	SLU 29	1367	6579	36615	3894	6579	1	Si
92	0.063	7.6	0	1248	SLU 29	1248	6579	36615	3894	6579	1	Si
104	0.063	7.6	0	1188	SLU 29	1188	6579	36615	3894	6579	1	Si
127	0.063	7.6	0	1068	SLU 29	1068	6579	36615	3894	6579	1	Si
150	0.063	7.6	0	949	SLU 29	949	6579	36615	3894	6579	1	Si
173	0.063	7.6	0	829	SLU 29	829	6579	36615	3894	6579	1	Si
196	0.063	7.6	0	709	SLU 29	709	6579	36615	3894	6579	1	Si
219	0.063	7.6	0	590	SLU 29	590	6579	36615	3894	6579	1	Si
242	0.063	7.6	0	470	SLU 29	470	6579	36615	3894	6579	1	Si
253	0.063	7.6	0	410	SLU 29	410	6579	36615	3894	6579	1	Si
276	0.063	7.6	0	291	SLU 29	291	6579	36615	3894	6579	1	Si
299	0.063	7.6	0	178	SLU 11	178	6579	36615	3894	6579	1	Si
299	0.063	7.6	0	-8	SLU 26	-8	-6579	-36615	-3894	-6579	1	Si
322	0.063	7.6	0	86	SLU 11	86	6579	36615	3894	6579	1	Si
322	0.063	7.6	0	-128	SLU 26	-128	-6579	-36615	-3894	-6579	1	Si
325	0.063	7.6	0	74	SLU 11	74	6579	36615	3894	6579	1	Si
325	0.063	7.6	0	-143	SLU 26	-143	-6579	-36615	-3894	-6579	1	Si
345	0	7.6	0	-247	SLU 26	-247	-6579	-36615	0	-6579	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4407	SLV 9	5125	6579	36615	0	6579	1	Si
0	0	7.6	0	-1120	SLV 7	-1839	-6579	-36615	0	-6579	1	Si
20	0.063	7.6	0	4085	SLV 9	4803	6579	36615	3894	6579	1	Si
20	0.063	7.6	0	-1442	SLV 7	-2161	-6579	-36615	-3894	-6579	1	Si
23	0.063	7.6	0	4037	SLV 9	4755	6579	36615	3894	6579	1	Si
23	0.063	7.6	0	-1491	SLV 7	-2209	-6579	-36615	-3894	-6579	1	Si
46	0.063	7.6	0	3695	SLV 9	4373	6579	36615	3894	6579	1	Si
46	0.063	7.6	0	-1516	SLV 7	-2193	-6579	-36615	-3894	-6579	1	Si
69	0.063	7.6	0	3603	SLV 9	4281	6579	36615	3894	6579	1	Si
69	0.063	7.6	0	-1608	SLV 7	-2285	-6579	-36615	-3894	-6579	1	Si
92	0.063	7.6	0	3511	SLV 9	4189	6579	36615	3894	6579	1	Si
92	0.063	7.6	0	-1700	SLV 7	-2377	-6579	-36615	-3894	-6579	1	Si
104	0.063	7.6	0	3465	SLV 9	4143	6579	36615	3894	6579	1	Si
104	0.063	7.6	0	-1746	SLV 7	-2423	-6579	-36615	-3894	-6579	1	Si
127	0.063	7.6	0	3373	SLV 9	4051	6579	36615	3894	6579	1	Si
127	0.063	7.6	0	-1838	SLV 7	-2515	-6579	-36615	-3894	-6579	1	Si
150	0.063	7.6	0	3281	SLV 9	3959	6579	36615	3894	6579	1	Si
150	0.063	7.6	0	-1930	SLV 7	-2607	-6579	-36615	-3894	-6579	1	Si
173	0.063	7.6	0	3189	SLV 9	3867	6579	36615	3894	6579	1	Si
173	0.063	7.6	0	-2022	SLV 7	-2699	-6579	-36615	-3894	-6579	1	Si
196	0.063	7.6	0	3097	SLV 9	3775	6579	36615	3894	6579	1	Si
196	0.063	7.6	0	-2114	SLV 7	-2791	-6579	-36615	-3894	-6579	1	Si
219	0.063	7.6	0	3005	SLV 9	3683	6579	36615	3894	6579	1	Si
219	0.063	7.6	0	-2206	SLV 7	-2883	-6579	-36615	-3894	-6579	1	Si
242	0.063	7.6	0	2913	SLV 9	3591	6579	36615	3894	6579	1	Si
242	0.063	7.6	0	-2298	SLV 7	-2975	-6579	-36615	-3894	-6579	1	Si
253	0.063	7.6	0	2867	SLV 9	3545	6579	36615	3894	6579	1	Si
253	0.063	7.6	0	-2344	SLV 7	-3021	-6579	-36615	-3894	-6579	1	Si
276	0.063	7.6	0	2775	SLV 9	3453	6579	36615	3894	6579	1	Si
276	0.063	7.6	0	-2436	SLV 7	-3113	-6579	-36615	-3894	-6579	1	Si
299	0.063	7.6	0	2683	SLV 9	3361	6579	36615	3894	6579	1	Si
299	0.063	7.6	0	-2528	SLV 7	-3205	-6579	-36615	-3894	-6579	1	Si
322	0.063	7.6	0	2591	SLV 9	3269	6579	36615	3894	6579	1	Si
322	0.063	7.6	0	-2620	SLV 7	-3297	-6579	-36615	-3894	-6579	1	Si
325	0.063	7.6	0	2579	SLV 9	3257	6579	36615	3894	6579	1	Si
325	0.063	7.6	0	-2632	SLV 7	-3309	-6579	-36615	-3894	-6579	1	Si
345	0	7.6	0	2499	SLV 9	3177	6579	36615	0	6579	1	Si
345	0	7.6	0	-2712	SLV 7	-3389	-6579	-36615	0	-6579	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2864	SLD 9	2864	6579	36615	0	6579	1	Si
20	0.063	7.6	0	2542	SLD 9	2542	6579	36615	3894	6579	1	Si
23	0.063	7.6	0	2494	SLD 9	2494	6579	36615	3894	6579	1	Si
46	0.063	7.6	0	2241	SLD 9	2241	6579	36615	3894	6579	1	Si
46	0.063	7.6	0	-61	SLD 7	-61	-6579	-36615	-3894	-6579	1	Si
69	0.063	7.6	0	2149	SLD 9	2149	6579	36615	3894	6579	1	Si
69	0.063	7.6	0	-153	SLD 7	-153	-6579	-36615	-3894	-6579	1	Si
92	0.063	7.6	0	2057	SLD 9	2057	6579	36615	3894	6579	1	Si
92	0.063	7.6	0	-245	SLD 7	-245	-6579	-36615	-3894	-6579	1	Si
104	0.063	7.6	0	2011	SLD 9	2011	6579	36615	3894	6579	1	Si
104	0.063	7.6	0	-291	SLD 7	-291	-6579	-36615	-3894	-6579	1	Si
127	0.063	7.6	0	1919	SLD 9	1919	6579	36615	3894	6579	1	Si
127	0.063	7.6	0	-383	SLD 7	-383	-6579	-36615	-3894	-6579	1	Si
150	0.063	7.6	0	1827	SLD 9	1827	6579	36615	3894	6579	1	Si
150	0.063	7.6	0	-475	SLD 7	-475	-6579	-36615	-3894	-6579	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
173	0.063	7.6	0	1735	SLD 9	1735	6579	36615	3894	6579	1	Si
173	0.063	7.6	0	-567	SLD 7	-567	-6579	-36615	-3894	-6579	1	Si
196	0.063	7.6	0	1643	SLD 9	1643	6579	36615	3894	6579	1	Si
196	0.063	7.6	0	-659	SLD 7	-659	-6579	-36615	-3894	-6579	1	Si
219	0.063	7.6	0	1551	SLD 9	1551	6579	36615	3894	6579	1	Si
219	0.063	7.6	0	-751	SLD 7	-751	-6579	-36615	-3894	-6579	1	Si
242	0.063	7.6	0	1459	SLD 9	1459	6579	36615	3894	6579	1	Si
242	0.063	7.6	0	-843	SLD 7	-843	-6579	-36615	-3894	-6579	1	Si
253	0.063	7.6	0	1413	SLD 9	1413	6579	36615	3894	6579	1	Si
253	0.063	7.6	0	-889	SLD 7	-889	-6579	-36615	-3894	-6579	1	Si
276	0.063	7.6	0	1321	SLD 9	1321	6579	36615	3894	6579	1	Si
276	0.063	7.6	0	-981	SLD 7	-981	-6579	-36615	-3894	-6579	1	Si
299	0.063	7.6	0	1229	SLD 9	1229	6579	36615	3894	6579	1	Si
299	0.063	7.6	0	-1073	SLD 7	-1073	-6579	-36615	-3894	-6579	1	Si
322	0.063	7.6	0	1137	SLD 9	1137	6579	36615	3894	6579	1	Si
322	0.063	7.6	0	-1165	SLD 7	-1165	-6579	-36615	-3894	-6579	1	Si
325	0.063	7.6	0	1125	SLD 9	1125	6579	36615	3894	6579	1	Si
325	0.063	7.6	0	-1177	SLD 7	-1177	-6579	-36615	-3894	-6579	1	Si
345	0	7.6	0	1045	SLD 9	1045	6579	36615	0	6579	1	Si
345	0	7.6	0	-1257	SLD 7	-1257	-6579	-36615	0	-6579	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-137950	3	-119196	14.7	124.5	510.4	1837	-129817	2	-111676	13.8	93.4	0	+∞	Si
20	-105650	2	-105650	13	124.5	452.4	1837	-98463	2	-98463	12.1	93.4	0	+∞	Si
23	-101428	2	-105650	13	124.5	452.4	1837	-94347	2	-98463	12.1	93.4	0	+∞	Si
46	-72575	2	-91790	11.3	124.5	393	1837	-66309	2	-84973	10.5	93.4	0	+∞	Si
69	-46368	2	-63929	7.9	124.5	273.7	1837	-40916	2	-57927	7.1	93.4	0	+∞	Si
92	-22423	3	-38439	4.7	124.5	164.6	1837	-17743	2	-33251	4.1	93.4	0	+∞	Si
104	-11297	3	-26557	3.3	124.5	113.7	1837	-6989	2	-21746	2.7	93.4	0	+∞	Si
127	17922	1	29142	3.6	124.5	124.8	1837	17922	1	29142	3.6	93.4	0	+∞	Si
150	34232	1	43949	5.4	124.5	188.2	1837	34232	1	43949	5.4	93.4	0	+∞	Si
173	48322	1	56536	7	124.5	242.1	1837	48322	1	56536	7	93.4	0	+∞	Si
196	60192	1	66904	8.3	124.5	286.5	1837	60192	1	66904	8.3	93.4	0	+∞	Si
219	69842	1	76014	9.4	124.5	325.5	1837	69842	1	75620	9.3	93.4	0	+∞	Si
242	78863	2	83886	10.3	124.5	359.2	1837	78206	2	82678	10.2	93.4	0	+∞	Si
253	82718	2	86989	10.7	124.5	372.5	1837	81654	2	85374	10.5	93.4	0	+∞	Si
276	88762	2	91531	11.3	124.5	391.9	1837	86884	2	89101	11	93.4	0	+∞	Si
299	92587	2	93853	11.6	124.5	401.9	1837	89895	2	90609	11.2	93.4	0	+∞	Si
322	94192	2	94252	11.6	124.5	403.6	1837	90685	2	90685	11.2	93.4	0	+∞	Si
325	94252	2	94252	11.6	124.5	403.6	1837	90639	2	90685	11.2	93.4	0	+∞	Si
345	93577	2	93577	11.5	124.5	400.7	1837	89256	2	89256	11	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	0	0	0	0	0	0	0	0	0	0	1	-0.001	1	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
46	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0.001	0.002	1	0.001	1	9999	Si
69	0.003	0.001	0.002	0.001	0.003	0.002	0.002	0.001	0.003	0.002	0.005	1	0.003	1	9999	Si
92	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.003	0.004	0.004	0.009	1	0.007	1	9999	Si
104	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.011	1	0.009	1	9999	Si
127	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.014	1	0.013	1	9999	Si
150	0.009	0.007	0.007	0.006	0.009	0.008	0.007	0.006	0.009	0.008	0.018	1	0.016	1	9999	Si
173	0.01	0.009	0.008	0.007	0.01	0.009	0.008	0.008	0.01	0.009	0.021	1	0.019	1	9999	Si
196	0.011	0.01	0.009	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.022	1	0.021	1	9999	Si
219	0.011	0.01	0.009	0.009	0.011	0.011	0.009	0.009	0.011	0.011	0.023	1	0.022	1	9999	Si
242	0.011	0.01	0.009	0.008	0.011	0.01	0.009	0.009	0.011	0.01	0.023	1	0.022	1	9999	Si
253	0.01	0.01	0.009	0.008	0.01	0.01	0.009	0.008	0.01	0.01	0.022	1	0.021	1	9999	Si
276	0.009	0.008	0.007	0.007	0.009	0.009	0.007	0.007	0.009	0.009	0.019	1	0.018	1	9999	Si
299	0.007	0.006	0.006	0.005	0.007	0.007	0.006	0.006	0.007	0.007	0.014	1	0.014	1	9999	Si
322	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	1	0.008	1	9999	Si
325	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	1	0.007	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1321	3482	6579	SLV 9	0.54	2070	1.549	-98463	-292576	-507498	SLV 9	0.5	1684	1.423	Si
23	1273	3482	6579	SLV 9	0.54	2121	1.564	-98463	-292576	-507498	SLV 9	0.5	1684	1.423	Si
46	1090	3283	6579	SLV 9	0.57	2474	1.666	-84973	-262606	-507498	SLV 9	0.57	2453	1.661	Si
69	998	3283	6579	SLV 9	0.57	2474	1.666	-57927	-198933	-507498	SLV 9	0.57	2474	1.666	Si
92	906	3283	6579	SLV 9	0.57	2474	1.666	-33251	-135772	-507498	SLV 9	0.57	2474	1.666	Si
104	860	3283	6579	SLV 9	0.57	2474	1.666	-21746	-104258	-507498	SLV 9	0.57	2474	1.666	Si
127	768	3283	6579	SLV 9	0.57	2474	1.666	24846	50937	507498	SLV 5	0.57	2474	1.666	Si
150	676	3283	6579	SLV 9	0.57	2474	1.666	40875	111759	507498	SLV 5	0.57	2474	1.666	Si
173	584	3283	6579	SLV 9	0.57	2474	1.666	54683	174144	507498	SLV 5	0.57	2474	1.666	Si
196	492	3283	6579	SLV 9	0.57	2474	1.666	66272	230724	507498	SLV 5	0.57	2474	1.666	Si
219	400	3283	6579	SLV 9	0.57	2474	1.666	75620	300257	507498	SLV 9	0.51	1817	1.468	Si
242	308	3283	6579	SLV 9	0.57	2474	1.666	82678	363506	507498	SLV 9	0.42	1046	1.171	Si
253	262	3283	6579	SLV 9	0.57	2474	1.666	85374	395149	507498	SLV 9	0.39	836	1.068	Si
276	170	3283	6579	SLV 9	0.57	2474	1.666	89101	458457	507498	SLV 9	0.33	570	0.913	No
299	78	3283	6579	SLV 9	0.57	2474	1.666	90609	521785	507498	SLV 9	0.29	419	0.805	No
322	-14	-3283	-6579	SLV 7	0.57	2474	1.666	90639	550508	507498	SLV 9	0.28	373	0.767	No
325	-26	-3283	-6579	SLV 7	0.57	2474	1.666	90639	550508	507498	SLV 9	0.28	373	0.767	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1321	1221	6579	SLD 9	0.57	2405	4.145	-98463	-129246	-507498	SLD 9	0.42	1057	2.959	Si
23	1273	1221	6579	SLD 9	0.57	2465	4.187	-98463	-129246	-507498	SLD 9	0.42	1057	2.959	Si
46	1090	1151	6579	SLD 9	0.6	2474	4.193	-84973	-116008	-507498	SLD 9	0.48	1535	3.448	Si
69	998	1151	6579	SLD 9	0.6	2474	4.193	-57927	-87884	-507498	SLD 9	0.6	2474	4.193	Si
92	906	1151	6579	SLD 9	0.6	2474	4.193	-33251	-59985	-507498	SLD 9	0.6	2474	4.193	Si
104	860	1151	6579	SLD 9	0.6	2474	4.193	-21746	-46065	-507498	SLD 9	0.6	2474	4.193	Si
127	768	1151	6579	SLD 9	0.6	2474	4.193	24846	22489	507498	SLD 5	0.6	2474	4.193	Si
150	676	1151	6579	SLD 9	0.6	2474	4.193	40875	49352	507498	SLD 5	0.6	2474	4.193	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
173	584	1151	6579	SLD 9	0.6	2474	4.193	54683	76907	507498	SLD 5	0.6	2474	4.193	Si
196	492	1151	6579	SLD 9	0.6	2474	4.193	66272	101895	507498	SLD 5	0.57	2439	4.169	Si
219	400	1151	6579	SLD 9	0.6	2474	4.193	75620	132611	507498	SLD 9	0.44	1142	3.054	Si
242	308	1151	6579	SLD 9	0.6	2474	4.193	82678	160548	507498	SLD 9	0.36	677	2.465	Si
253	262	1151	6579	SLD 9	0.6	2474	4.193	85374	174525	507498	SLD 9	0.33	545	2.255	Si
276	170	1151	6579	SLD 9	0.6	2474	4.193	89101	202488	507498	SLD 9	0.28	382	1.949	Si
299	78	1151	6579	SLD 9	0.6	2474	4.193	90609	230461	507498	SLD 9	0.25	286	1.731	Si
322	-14	-1151	-6579	SLD 7	0.6	2474	4.193	90639	243147	507498	SLD 9	0.24	254	1.649	Si
325	-26	-1151	-6579	SLD 7	0.6	2474	4.193	90639	243147	507498	SLD 9	0.24	254	1.649	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Falda 3" 10-3

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x40	Rettangolare	40	40	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 10 - 3, sezione R 40x40, aste 1193, 1192

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-171880	SLU 19	-138478	-507498	0.146	Si
20	7.6	5.4	7.6	5.4						-118860	SLU 19	-118860	-507498	0.146	Si
23	7.6	5.4	7.6	5.4						-112966	SLU 19	-118860	-507498	0.146	Si
46	7.6	5.4	7.6	5.4						-77461	SLU 19	-101035	-507498	0.146	Si
69	7.6	5.4	7.6	5.4						-45513	SLU 19	-66911	-507498	0.146	Si
92	7.6	5.4	7.6	5.4	-3748	SLU 18	8669	507498	0.146	-16427	SLU 19	-35880	-507498	0.146	Si
103	7.6	5.4	7.6	5.4	5566	SLU 18	19909	507498	0.146	-2991	SLU 19	-21444	-507498	0.146	Si
126	7.6	5.4	7.6	5.4	27069	SLU 36	40861	507498	0.146						Si
149	7.6	5.4	7.6	5.4	47104	SLU 36	58974	507498	0.146						Si
172	7.6	5.4	7.6	5.4	64300	SLU 36	74401	507498	0.146						Si
195	7.6	5.4	7.6	5.4	79056	SLU 21	88238	507498	0.146						Si
218	7.6	5.4	7.6	5.4	92326	SLU 19	99624	507498	0.146						Si
241	7.6	5.4	7.6	5.4	102768	SLU 19	108144	507498	0.146						Si
253	7.6	5.4	7.6	5.4	106924	SLU 19	111339	507498	0.146						Si
276	7.6	5.4	7.6	5.4	113108	SLU 19	115601	507498	0.146						Si
299	7.6	5.4	7.6	5.4	116452	SLU 19	117060	507498	0.146						Si
322	7.6	5.4	7.6	5.4	116958	SLU 19	117060	507498	0.146						Si
325	7.6	5.4	7.6	5.4	116826	SLU 19	117060	507498	0.146						Si
345	7.6	5.4	7.6	5.4	114626	SLU 19	114626	507498	0.146						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	433631	SLV 7	419809	507498	0.146	-693462	SLV 9	-626106	-507498	0.146	No
20	7.6	5.4	7.6	5.4	398045	SLV 7	398045	507498	0.146	-573832	SLV 9	-573832	-507498	0.146	No
23	7.6	5.4	7.6	5.4	390968	SLV 7	398045	507498	0.146	-557627	SLV 9	-573832	-507498	0.146	No
46	7.6	5.4	7.6	5.4	332837	SLV 7	372166	507498	0.146	-445709	SLV 9	-520697	-507498	0.146	No
69	7.6	5.4	7.6	5.4	273140	SLV 7	313728	507498	0.146	-337831	SLV 9	-410683	-507498	0.146	Si
92	7.6	5.4	7.6	5.4	211246	SLV 7	253327	507498	0.146	-232158	SLV 9	-303512	-507498	0.146	Si
103	7.6	5.4	7.6	5.4	179451	SLV 7	222298	507498	0.146	-180176	SLV 9	-250758	-507498	0.146	Si
126	7.6	5.4	7.6	5.4	114243	SLV 7	158559	507498	0.146	-77871	SLV 9	-146947	-507498	0.146	Si
149	7.6	5.4	7.6	5.4	46513	SLV 7	92684	507498	0.146	22589	SLV 9	-45386	-507498	0.146	Si
172	7.6	5.4	7.6	5.4	120425	SLV 9	185403	507498	0.146	-22960	SLV 7	-71342	-507498	0.146	Si
195	7.6	5.4	7.6	5.4	216160	SLV 9	279689	507498	0.146	-94700	SLV 7	-144596	-507498	0.146	Si
218	7.6	5.4	7.6	5.4	309742	SLV 9	371746	507498	0.146	-168672	SLV 7	-220104	-507498	0.146	Si
241	7.6	5.4	7.6	5.4	401075	SLV 9	461602	507498	0.146	-244909	SLV 7	-297822	-507498	0.146	Si
253	7.6	5.4	7.6	5.4	445923	SLV 9	505712	507498	0.146	-283847	SLV 7	-337500	-507498	0.146	Si
276	7.6	5.4	7.6	5.4	533983	SLV 9	592295	507498	0.146	-363363	SLV 7	-418495	-507498	0.146	No
299	7.6	5.4	7.6	5.4	619861	SLV 9	676695	507498	0.146	-445064	SLV 7	-501675	-507498	0.146	No
322	7.6	5.4	7.6	5.4	703556	SLV 9	714320	507498	0.146	-528949	SLV 7	-540044	-507498	0.146	No
325	7.6	5.4	7.6	5.4	714320	SLV 9	714320	507498	0.146	-540044	SLV 7	-540044	-507498	0.146	No
345	7.6	5.4	7.6	5.4	785067	SLV 9	748451	507498	0.146	-615019	SLV 7	-575419	-507498	0.146	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	118982	SLD 7	118982	507498	0.146	-378813	SLD 9	-334119	-507498	0.146	Si
20	7.6	5.4	7.6	5.4	126727	SLD 7	126727	507498	0.146	-302514	SLD 9	-302514	-507498	0.146	Si
23	7.6	5.4	7.6	5.4	126149	SLD 7	126727	507498	0.146	-292808	SLD 9	-302514	-507498	0.146	Si
46	7.6	5.4	7.6	5.4	115489	SLD 7	122905	507498	0.146	-228361	SLD 9	-271436	-507498	0.146	Si
69	7.6	5.4	7.6	5.4	102573	SLD 7	111493	507498	0.146	-167264	SLD 9	-208448	-507498	0.146	Si
92	7.6	5.4	7.6	5.4	87458	SLD 7	97872	507498	0.146	-108369	SLD 9	-148056	-507498	0.146	Si
103	7.6	5.4	7.6	5.4	79050	SLD 7	90232	507498	0.146	-79775	SLD 9	-118691	-507498	0.146	Si
126	7.6	5.4	7.6	5.4	60605	SLD 7	73266	507498	0.146	-24233	SLD 9	-61655	-507498	0.146	Si
149	7.6	5.4	7.6	5.4	39828	SLD 7	64125	507498	0.146	29274	SLD 9	-6835	-507498	0.146	Si
172	7.6	5.4	7.6	5.4	80403	SLD 9	113736	507498	0.146						Si
195	7.6	5.4	7.6	5.4	129386	SLD 9	161251	507498	0.146	-7926	SLD 7	-26158	-507498	0.146	Si
218	7.6	5.4	7.6	5.4	176194	SLD 9	206530	507498	0.146	-35123	SLD 7	-54888	-507498	0.146	Si
241	7.6	5.4	7.6	5.4	220747	SLD 9	249606	507498	0.146	-64581	SLD 7	-85825	-507498	0.146	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
253	7.6	5.4	7.6	5.4	242205	SLD 9	270325	507498	0.146	-80129	SLD 7	-102113	-507498	0.146	Si
276	7.6	5.4	7.6	5.4	283484	SLD 9	310127	507498	0.146	-112864	SLD 7	-136327	-507498	0.146	Si
299	7.6	5.4	7.6	5.4	322580	SLD 9	347745	507498	0.146	-147783	SLD 7	-172724	-507498	0.146	Si
322	7.6	5.4	7.6	5.4	359493	SLD 9	364155	507498	0.146	-184886	SLD 7	-189879	-507498	0.146	Si
325	7.6	5.4	7.6	5.4	364155	SLD 9	364155	507498	0.146	-189879	SLD 7	-189879	-507498	0.146	Si
345	7.6	5.4	7.6	5.4	394222	SLD 9	378882	507498	0.146	-224173	SLD 7	-205850	-507498	0.146	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3544	SLU 35	3544	6579	36615	0	6579	1	Si
20	0.063	7.6	0	2082	SLU 35	2082	6579	36615	3894	6579	1	Si
23	0.063	7.6	0	1839	SLU 35	1839	6579	36615	3894	6579	1	Si
46	0.063	7.6	0	1383	SLU 19	1383	6579	36615	3894	6579	1	Si
69	0.063	7.6	0	1265	SLU 19	1265	6579	36615	3894	6579	1	Si
92	0.063	7.6	0	1146	SLU 19	1146	6579	36615	3894	6579	1	Si
103	0.063	7.6	0	1087	SLU 19	1087	6579	36615	3894	6579	1	Si
126	0.063	7.6	0	968	SLU 19	968	6579	36615	3894	6579	1	Si
149	0.063	7.6	0	850	SLU 19	850	6579	36615	3894	6579	1	Si
172	0.063	7.6	0	731	SLU 19	731	6579	36615	3894	6579	1	Si
195	0.063	7.6	0	613	SLU 19	613	6579	36615	3894	6579	1	Si
218	0.063	7.6	0	494	SLU 19	494	6579	36615	3894	6579	1	Si
241	0.063	7.6	0	376	SLU 19	376	6579	36615	3894	6579	1	Si
253	0.063	7.6	0	316	SLU 19	316	6579	36615	3894	6579	1	Si
276	0.063	7.6	0	198	SLU 19	198	6579	36615	3894	6579	1	Si
299	0.063	7.6	0	79	SLU 19	79	6579	36615	3894	6579	1	Si
299	0.063	7.6	0	-24	SLU 18	-24	-6579	-36615	-3894	-6579	1	Si
322	0.063	7.6	0	-117	SLU 36	-117	-6579	-36615	-3894	-6579	1	Si
325	0.063	7.6	0	-132	SLU 36	-132	-6579	-36615	-3894	-6579	1	Si
345	0	7.6	0	-235	SLU 36	-235	-6579	-36615	0	-6579	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	6116	SLV 9	7079	6579	36615	0	6579	1	Si
0	0	7.6	0	-1287	SLV 7	-2250	-6579	-36615	0	-6579	1	Si
20	0.063	7.6	0	5227	SLV 9	6190	6579	36615	3894	6579	1	Si
20	0.063	7.6	0	-2176	SLV 7	-3139	-6579	-36615	-3894	-6579	1	Si
23	0.063	7.6	0	5080	SLV 9	6042	6579	36615	3894	6579	1	Si
23	0.063	7.6	0	-2324	SLV 7	-3286	-6579	-36615	-3894	-6579	1	Si
46	0.063	7.6	0	4519	SLV 9	5423	6579	36615	3894	6579	1	Si
46	0.063	7.6	0	-2431	SLV 7	-3335	-6579	-36615	-3894	-6579	1	Si
69	0.063	7.6	0	4428	SLV 9	5332	6579	36615	3894	6579	1	Si
69	0.063	7.6	0	-2523	SLV 7	-3426	-6579	-36615	-3894	-6579	1	Si
92	0.063	7.6	0	4337	SLV 9	5240	6579	36615	3894	6579	1	Si
92	0.063	7.6	0	-2614	SLV 7	-3517	-6579	-36615	-3894	-6579	1	Si
103	0.063	7.6	0	4291	SLV 9	5195	6579	36615	3894	6579	1	Si
103	0.063	7.6	0	-2659	SLV 7	-3563	-6579	-36615	-3894	-6579	1	Si
126	0.063	7.6	0	4200	SLV 9	5104	6579	36615	3894	6579	1	Si
126	0.063	7.6	0	-2751	SLV 7	-3654	-6579	-36615	-3894	-6579	1	Si
149	0.063	7.6	0	4109	SLV 9	5012	6579	36615	3894	6579	1	Si
149	0.063	7.6	0	-2842	SLV 7	-3745	-6579	-36615	-3894	-6579	1	Si
172	0.063	7.6	0	4018	SLV 9	4921	6579	36615	3894	6579	1	Si
172	0.063	7.6	0	-2933	SLV 7	-3837	-6579	-36615	-3894	-6579	1	Si
195	0.063	7.6	0	3926	SLV 9	4830	6579	36615	3894	6579	1	Si
195	0.063	7.6	0	-3024	SLV 7	-3928	-6579	-36615	-3894	-6579	1	Si
218	0.063	7.6	0	3835	SLV 9	4739	6579	36615	3894	6579	1	Si
218	0.063	7.6	0	-3115	SLV 7	-4019	-6579	-36615	-3894	-6579	1	Si
241	0.063	7.6	0	3744	SLV 9	4648	6579	36615	3894	6579	1	Si
241	0.063	7.6	0	-3207	SLV 7	-4110	-6579	-36615	-3894	-6579	1	Si
253	0.063	7.6	0	3699	SLV 9	4602	6579	36615	3894	6579	1	Si
253	0.063	7.6	0	-3252	SLV 7	-4156	-6579	-36615	-3894	-6579	1	Si
276	0.063	7.6	0	3607	SLV 9	4511	6579	36615	3894	6579	1	Si
276	0.063	7.6	0	-3343	SLV 7	-4247	-6579	-36615	-3894	-6579	1	Si
299	0.063	7.6	0	3516	SLV 9	4420	6579	36615	3894	6579	1	Si
299	0.063	7.6	0	-3434	SLV 7	-4338	-6579	-36615	-3894	-6579	1	Si
322	0.063	7.6	0	3425	SLV 9	4329	6579	36615	3894	6579	1	Si
322	0.063	7.6	0	-3526	SLV 7	-4429	-6579	-36615	-3894	-6579	1	Si
325	0.063	7.6	0	3413	SLV 9	4317	6579	36615	3894	6579	1	Si
325	0.063	7.6	0	-3538	SLV 7	-4441	-6579	-36615	-3894	-6579	1	Si
345	0	7.6	0	3334	SLV 9	4237	6579	36615	0	6579	1	Si
345	0	7.6	0	-3617	SLV 7	-4520	-6579	-36615	0	-6579	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4049	SLD 9	4049	6579	36615	0	6579	1	Si
20	0.063	7.6	0	3161	SLD 9	3161	6579	36615	3894	6579	1	Si
20	0.063	7.6	0	-109	SLD 7	-109	-6579	-36615	-3894	-6579	1	Si
23	0.063	7.6	0	3013	SLD 9	3013	6579	36615	3894	6579	1	Si
23	0.063	7.6	0	-257	SLD 7	-257	-6579	-36615	-3894	-6579	1	Si
46	0.063	7.6	0	2579	SLD 9	2579	6579	36615	3894	6579	1	Si
46	0.063	7.6	0	-491	SLD 7	-491	-6579	-36615	-3894	-6579	1	Si
69	0.063	7.6	0	2488	SLD 9	2488	6579	36615	3894	6579	1	Si
69	0.063	7.6	0	-582	SLD 7	-582	-6579	-36615	-3894	-6579	1	Si
92	0.063	7.6	0	2396	SLD 9	2396	6579	36615	3894	6579	1	Si
92	0.063	7.6	0	-673	SLD 7	-673	-6579	-36615	-3894	-6579	1	Si
103	0.063	7.6	0	2351	SLD 9	2351	6579	36615	3894	6579	1	Si
103	0.063	7.6	0	-719	SLD 7	-719	-6579	-36615	-3894	-6579	1	Si
126	0.063	7.6	0	2260	SLD 9	2260	6579	36615	3894	6579	1	Si
126	0.063	7.6	0	-810	SLD 7	-810	-6579	-36615	-3894	-6579	1	Si
149	0.063	7.6	0	2168	SLD 9	2168	6579	36615	3894	6579	1	Si
149	0.063	7.6	0	-901	SLD 7	-901	-6579	-36615	-3894	-6579	1	Si
172	0.063	7.6	0	2077	SLD 9	2077	6579	36615	3894	6579	1	Si
172	0.063	7.6	0	-993	SLD 7	-993	-6579	-36615	-3894	-6579	1	Si
195	0.063	7.6	0	1986	SLD 9	1986	6579	36615	3894	6579	1	Si
195	0.063	7.6	0	-1084	SLD 7	-1084	-6579	-36615	-3894	-6579	1	Si
218	0.063	7.6	0	1895	SLD 9	1895	6579	36615	3894	6579	1	Si
218	0.063	7.6	0	-1175	SLD 7	-1175	-6579	-36615	-3894	-6579	1	Si
241	0.063	7.6	0	1804	SLD 9	1804	6579	36615	3894	6579	1	Si
241	0.063	7.6	0	-1266	SLD 7	-1266	-6579	-36615	-3894	-6579	1	Si
253	0.063	7.6	0	1758	SLD 9	1758	6579	36615	3894	6579	1	Si
253	0.063	7.6	0	-1312	SLD 7	-1312	-6579	-36615	-3894	-6579	1	Si
276	0.063	7.6	0	1667	SLD 9	1667	6579	36615	3894	6579	1	Si
276	0.063	7.6	0	-1403	SLD 7	-1403	-6579	-36615	-3894	-6579	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
299	0.063	7.6	0	1576	SLD 9	1576	6579	36615	3894	6579	1	Si
299	0.063	7.6	0	-1494	SLD 7	-1494	-6579	-36615	-3894	-6579	1	Si
322	0.063	7.6	0	1485	SLD 9	1485	6579	36615	3894	6579	1	Si
322	0.063	7.6	0	-1585	SLD 7	-1585	-6579	-36615	-3894	-6579	1	Si
325	0.063	7.6	0	1473	SLD 9	1473	6579	36615	3894	6579	1	Si
325	0.063	7.6	0	-1597	SLD 7	-1597	-6579	-36615	-3894	-6579	1	Si
345	0	7.6	0	1393	SLD 9	1393	6579	36615	0	6579	1	Si
345	0	7.6	0	-1676	SLD 7	-1676	-6579	-36615	0	-6579	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-130972	1	-104152	12.8	124.5	446	1837	-130972	1	-104152	12.8	93.4	0	+∞	Si
20	-88848	1	-88848	11	124.5	380.4	1837	-88848	1	-88848	11	93.4	0	+∞	Si
23	-84269	1	-88848	11	124.5	380.4	1837	-84269	1	-88848	11	93.4	0	+∞	Si
46	-57256	1	-75167	9.3	124.5	321.8	1837	-57256	1	-75167	9.3	93.4	0	+∞	Si
69	-33046	1	-49259	6.1	124.5	210.9	1837	-33046	1	-49259	6.1	93.4	0	+∞	Si
92	-11036	1	-25754	3.2	124.5	110.3	1837	-11036	1	-25754	3.2	93.4	0	+∞	Si
103	2187	9	14457	1.8	124.5	61.9	1837								Si
103	-882	1	-14831	1.8	124.5	63.5	1837	-882	1	-14831	1.8	93.4	0	+∞	Si
126	20052	9	30844	3.8	124.5	132.1	1837	18186	2	29441	3.6	93.4	0	+∞	Si
149	35733	9	45046	5.6	124.5	192.9	1837	34551	2	44327	5.5	93.4	0	+∞	Si
172	49230	9	57167	7.1	124.5	244.8	1837	48732	2	57031	7	93.4	0	+∞	Si
195	60762	3	67589	8.3	124.5	289.4	1837	60730	2	67589	8.3	93.4	0	+∞	Si
218	70617	1	75984	9.4	124.5	325.3	1837	70617	1	75984	9.4	93.4	0	+∞	Si
241	78285	1	82173	10.1	124.5	351.8	1837	78285	1	82173	10.1	93.4	0	+∞	Si
253	81300	1	84449	10.4	124.5	361.6	1837	81300	1	84449	10.4	93.4	0	+∞	Si
276	85692	1	87363	10.8	124.5	374.1	1837	85692	1	87363	10.8	93.4	0	+∞	Si
299	87900	1	88186	10.9	124.5	377.6	1837	87900	1	88186	10.9	93.4	0	+∞	Si
322	87925	1	88186	10.9	124.5	377.6	1837	87925	1	88186	10.9	93.4	0	+∞	Si
325	87776	1	88186	10.9	124.5	377.6	1837	87776	1	88186	10.9	93.4	0	+∞	Si
345	85767	1	85767	10.6	124.5	367.2	1837	85767	1	85767	10.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
46	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
69	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
92	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si
103	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
126	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.015	2	9999	Si
149	0.009	0.009	0.007	0.007	0.009	0.009	0.007	0.007	0.009	0.009	0.018	2	0.018	2	9999	Si
172	0.01	0.01	0.008	0.008	0.01	0.01	0.008	0.008	0.01	0.01	0.021	2	0.021	2	9999	Si
195	0.011	0.011	0.009	0.009	0.011	0.011	0.009	0.009	0.011	0.011	0.023	2	0.023	2	9999	Si
218	0.011	0.011	0.009	0.009	0.011	0.011	0.009	0.009	0.011	0.011	0.024	2	0.023	2	9999	Si
241	0.011	0.011	0.009	0.009	0.011	0.011	0.009	0.009	0.011	0.011	0.023	2	0.023	2	9999	Si
253	0.01	0.01	0.009	0.009	0.01	0.01	0.009	0.009	0.01	0.01	0.022	2	0.022	2	9999	Si
276	0.009	0.009	0.008	0.007	0.009	0.009	0.008	0.008	0.009	0.009	0.019	1	0.019	1	9999	Si
299	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.014	1	0.014	1	9999	Si
322	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	1	0.008	1	9999	Si
325	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	1	0.007	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1526	4664	6579	SLV 9	0.39	865	1.083	-87894	-485939	-507498	SLV 9	0.32	499	0.864	No
23	1378	4664	6579	SLV 9	0.4	928	1.115	-87894	-485939	-507498	SLV 9	0.32	499	0.864	No
46	1044	4379	6579	SLV 9	0.46	1288	1.275	-74265	-446431	-507498	SLV 9	0.35	662	0.971	No
69	953	4379	6579	SLV 9	0.46	1345	1.298	-48478	-362206	-507498	SLV 9	0.46	1297	1.279	Si
92	861	4379	6579	SLV 9	0.47	1404	1.321	-25092	-278420	-507498	SLV 9	0.57	2474	1.666	Si
103	816	4379	6579	SLV 9	0.47	1433	1.332	-14230	-236528	-507498	SLV 9	0.57	2474	1.666	Si
126	725	4379	6579	SLV 9	0.48	1495	1.355	5806	152753	507498	SLV 7	0.57	2474	1.666	Si
149	634	4379	6579	SLV 9	0.49	1558	1.379	23649	69035	507498	SLV 7	0.57	2474	1.666	Si
172	542	4379	6579	SLV 9	0.49	1622	1.402	57031	128372	507498	SLV 9	0.57	2474	1.666	Si
195	451	4379	6579	SLV 9	0.5	1689	1.425	67547	212143	507498	SLV 9	0.57	2474	1.666	Si
218	360	4379	6579	SLV 9	0.51	1757	1.448	75821	295925	507498	SLV 9	0.52	1887	1.491	Si
241	269	4379	6579	SLV 9	0.52	1827	1.472	81890	379712	507498	SLV 9	0.41	940	1.121	Si
253	223	4379	6579	SLV 9	0.52	1862	1.483	84106	421606	507498	SLV 9	0.37	719	1.004	Si
276	132	4379	6579	SLV 9	0.53	1934	1.506	86900	505395	507498	SLV 9	0.3	458	0.835	No
299	41	4379	6579	SLV 9	0.53	2008	1.53	87510	589185	507498	SLV 9	0.26	327	0.727	No
322	-50	-4379	-6579	SLV 7	0.53	2001	1.528	87138	627182	507498	SLV 9	0.25	286	0.688	No
325	-62	-4379	-6579	SLV 7	0.53	1991	1.524	87138	627182	507498	SLV 9	0.25	286	0.688	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1526	1635	6579	SLD 9	0.41	991	2.881	-87894	-214620	-507498	SLD 9	0.27	339	1.856	Si
23	1378	1635	6579	SLD 9	0.43	1072	2.976	-87894	-214620	-507498	SLD 9	0.27	339	1.856	Si
46	1044	1535	6579	SLD 9	0.48	1495	3.411	-74265	-197171	-507498	SLD 9	0.3	438	2.062	Si
69	953	1535	6579	SLD 9	0.49	1562	3.472	-48478	-159970	-507498	SLD 9	0.39	825	2.673	Si
92	861	1535	6579	SLD 9	0.49	1631	3.535	-25092	-122964	-507498	SLD 9	0.52	1873	3.741	Si
103	816	1535	6579	SLD 9	0.5	1666	3.565	-14230	-104462	-507498	SLD 9	0.6	2474	4.193	Si
126	725	1535	6579	SLD 9	0.51	1736	3.626	5806	67460	507498	SLD 7	0.6	2474	4.193	Si
149	634	1535	6579	SLD 9	0.51	1810	3.689	23649	30484	507498	SLD 7	0.6	2474	4.193	Si
172	542	1535	6579	SLD 9	0.52	1885	3.751	57031	56705	507498	SLD 9	0.6	2474	4.193	Si
195	451	1535	6579	SLD 9	0.53	1963	3.813	67547	93704	507498	SLD 9	0.6	2474	4.193	Si
218	360	1535	6579	SLD 9	0.54	2042	3.876	75821	130709	507498	SLD 9	0.44	1184	3.1	Si
241	269	1535	6579	SLD 9	0.54	2123	3.938	81890	167716	507498	SLD 9	0.34	613	2.366	Si
253	223	1535	6579	SLD 9	0.55	2164	3.969	84106	186219	507498	SLD 9	0.31	471	2.124	Si
276	132	1535	6579	SLD 9	0.55	2249	4.032	86900	223227	507498	SLD 9	0.26	313	1.796	Si
299	41	1535	6579	SLD 9	0.56	2334	4.094	87510	260234	507498	SLD 9	0.22	222	1.56	Si
322	-50	-1535	-6579	SLD 7	0.56	2325	4.088	87138	277017	507498	SLD 9	0.21	194	1.476	Si
325	-62	-1535	-6579	SLD 7	0.56	2313	4.079	87138	277017	507498	SLD 9	0.21	194	1.476	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 1-3

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 1 - 2, sezione R 45x70, asta 1021

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-266545	SLU 30	-185929	-970824	0.078	Si
20	7.6	5.4	11.4	5.4						-127338	SLU 30	-127024	-970824	0.078	Si
23	7.6	5.4	11.4	5.4	-60941	SLU 6	52716	1422093	0.084	-114970	SLU 30	-114970	-970824	0.078	Si
41	7.6	5.4	11.4	5.4	5764	SLU 24	140915	1422093	0.084	-6465	SLU 12	-114970	-970824	0.078	Si
61	7.6	5.4	11.4	5.4	101917	SLU 29	223127	1422093	0.084	64549	SLU 4	-54240	-970824	0.078	Si
82	7.6	5.4	11.4	5.4	191059	SLU 29	289016	1422093	0.084						Si
92	7.6	5.4	11.4	5.4	229414	SLU 29	315787	1422093	0.084						Si
113	7.6	5.4	11.4	5.4	293972	SLU 30	356896	1422093	0.084						Si
133	7.6	5.4	11.4	5.4	342011	SLU 30	381426	1422093	0.084						Si
154	7.6	5.4	11.4	5.4	373472	SLU 30	389378	1422093	0.084						Si
164	7.6	5.4	11.4	5.4	382985	SLU 30	389578	1422093	0.084						Si
174	7.6	5.4	11.4	5.4	388354	SLU 30	389578	1422093	0.084						Si
195	7.6	5.4	11.4	5.4	386658	SLU 30	389578	1422093	0.084						Si
215	7.6	5.4	11.4	5.4	368381	SLU 30	389100	1422093	0.084						Si
225	7.6	5.4	11.4	5.4	353026	SLU 30	385500	1422093	0.084						Si
246	7.6	5.4	11.4	5.4	309879	SLU 30	365865	1422093	0.084						Si
266	7.6	5.4	11.4	5.4	250151	SLU 30	329649	1422093	0.084						Si
285	7.6	5.4	11.4	5.4	181691	SLU 30	282956	1422093	0.084						Si
287	7.6	5.4	11.4	5.4	173842	SLU 30	173842	1422093	0.084						Si
307	7.6	5.4	11.4	5.4	92345	SLU 31	92345	1422093	0.084						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	2104429	SLV 15	2023378	1422093	0.084	-2462033	SLV 1	-2270950	-970824	0.078	No
20	7.6	5.4	11.4	5.4	1951351	SLV 15	1950507	1422093	0.084	-2118922	SLV 1	-2117647	-970824	0.078	No
23	7.6	5.4	11.4	5.4	1935594	SLV 15	1935594	1422093	0.084	-2086275	SLV 1	-2086275	-970824	0.078	No
41	7.6	5.4	11.4	5.4	1787039	SLV 15	1935594	1422093	0.084	-1787131	SLV 1	-2086275	-970824	0.078	No
61	7.6	5.4	11.4	5.4	1611516	SLV 15	1856903	1422093	0.084	-1466686	SLV 1	-1924652	-970824	0.078	No
82	7.6	5.4	11.4	5.4	1424826	SLV 15	1686063	1422093	0.084	-1157630	SLV 1	-1599461	-970824	0.078	No
92	7.6	5.4	11.4	5.4	1327318	SLV 15	1596445	1422093	0.084	-1007399	SLV 1	-1441125	-970824	0.078	No
113	7.6	5.4	11.4	5.4	1124083	SLV 15	1408845	1422093	0.084	-715634	SLV 1	-1133007	-970824	0.078	No
133	7.6	5.4	11.4	5.4	910247	SLV 15	1210182	1422093	0.084	-435827	SLV 1	-836385	-970824	0.078	Si
154	7.6	5.4	11.4	5.4	687365	SLV 13	1000710	1422093	0.084	-169534	SLV 3	-551511	-970824	0.078	Si
174	7.6	5.4	11.4	5.4	464861	SLV 13	769267	1422093	0.084	73821	SLV 3	-267226	-970824	0.078	Si
195	7.6	5.4	11.4	5.4	406293	SLV 5	679787	1422093	0.084	130681	SLV 11	-184305	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	585395	SLV 1	898752	1422093	0.084	-72692	SLV 15	-459535	-970824	0.078	Si
225	7.6	5.4	11.4	5.4	698291	SLV 1	1004223	1422093	0.084	-206185	SLV 15	-601601	-970824	0.078	Si
246	7.6	5.4	11.4	5.4	916410	SLV 1	1206918	1422093	0.084	-482419	SLV 15	-894407	-970824	0.078	Si
266	7.6	5.4	11.4	5.4	1123717	SLV 1	1301083	1422093	0.084	-770404	SLV 15	-1040389	-970824	0.078	No
285	7.6	5.4	11.4	5.4	1301083	SLV 1	1301083	1422093	0.084	-1040389	SLV 15	-1040389	-970824	0.078	No
287	7.6	5.4	11.4	5.4	1319957	SLV 1	1318989	1422093	0.084	-1069886	SLV 15	-1068767	-970824	0.078	No
307	7.6	5.4	11.4	5.4	1505030	SLV 1	1406491	1422093	0.084	-1380767	SLV 15	-1207438	-970824	0.078	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	831602	SLD 15	826404	1422093	0.084	-1189206	SLD 1	-1073976	-970824	0.078	No
20	7.6	5.4	11.4	5.4	816829	SLD 15	816575	1422093	0.084	-984400	SLD 1	-983716	-970824	0.078	No
23	7.6	5.4	11.4	5.4	814564	SLD 15	814564	1422093	0.084	-965245	SLD 1	-965245	-970824	0.078	Si
41	7.6	5.4	11.4	5.4	790798	SLD 15	814564	1422093	0.084	-790890	SLD 1	-965245	-970824	0.078	Si
61	7.6	5.4	11.4	5.4	753518	SLD 15	802856	1422093	0.084	-608688	SLD 1	-870605	-970824	0.078	Si
82	7.6	5.4	11.4	5.4	705010	SLD 15	770278	1422093	0.084	-437814	SLD 1	-683675	-970824	0.078	Si
92	7.6	5.4	11.4	5.4	676555	SLD 15	749773	1422093	0.084	-356636	SLD 1	-594453	-970824	0.078	Si
113	7.6	5.4	11.4	5.4	611293	SLD 15	700346	1422093	0.084	-202844	SLD 1	-424509	-970824	0.078	Si
133	7.6	5.4	11.4	5.4	535051	SLD 15	639736	1422093	0.084	-60631	SLD 1	-265939	-970824	0.078	Si
154	7.6	5.4	11.4	5.4	448517	SLD 13	568054	1422093	0.084	69314	SLD 3	-118856	-970824	0.078	Si
174	7.6	5.4	11.4	5.4	355859	SLD 13	480362	1422093	0.084						Si
195	7.6	5.4	11.4	5.4	329446	SLD 5	438925	1422093	0.084						Si
215	7.6	5.4	11.4	5.4	401953	SLD 1	520141	1422093	0.084	110750	SLD 15	-80925	-970824	0.078	Si
225	7.6	5.4	11.4	5.4	446173	SLD 1	556616	1422093	0.084	45933	SLD 15	-153994	-970824	0.078	Si
246	7.6	5.4	11.4	5.4	526500	SLD 1	621198	1422093	0.084	-92508	SLD 15	-308687	-970824	0.078	Si
266	7.6	5.4	11.4	5.4	595752	SLD 1	648426	1422093	0.084	-242439	SLD 15	-387732	-970824	0.078	Si
285	7.6	5.4	11.4	5.4	648426	SLD 1	648426	1422093	0.084	-387732	SLD 15	-387732	-970824	0.078	Si
287	7.6	5.4	11.4	5.4	653817	SLD 1	653431	1422093	0.084	-403746	SLD 15	-403209	-970824	0.078	Si
307	7.6	5.4	11.4	5.4	700651	SLD 1	677891	1422093	0.084	-576387	SLD 15	-478838	-970824	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	7193	SLU 30	7193	9541	76908	0	9541	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
20	0	7.6	0	6386	SLU 30	6386	9541	76908	0	9541	1	Si
23	0.172	7.6	0	6307	SLU 30	6307	9541	76908	20007	20007	1	Si
41	0.172	7.6	0	5578	SLU 30	5578	9541	76908	20007	20007	1	Si
61	0.172	11.4	0	4769	SLU 30	4769	10922	76908	20007	20007	1	Si
82	0.172	11.4	0	3961	SLU 30	3961	10922	76908	20007	20007	1	Si
92	0.172	11.4	0	3556	SLU 30	3556	10922	76908	20007	20007	1	Si
113	0.156	11.4	0	2748	SLU 30	2748	10922	76908	18102	18102	1	Si
133	0.156	11.4	0	1939	SLU 30	1939	10922	76908	18102	18102	1	Si
154	0.156	11.4	0	1130	SLU 30	1130	10922	76908	18102	18102	1	Si
174	0.156	11.4	0	344	SLU 31	344	10922	76908	18102	18102	1	Si
195	0.156	11.4	0	-504	SLU 29	-504	-10922	-76908	-18102	-18102	1	Si
215	0.158	11.4	0	-1312	SLU 29	-1312	-10922	-76908	-18340	-18340	1	Si
225	0.158	11.4	0	-1717	SLU 29	-1717	-10922	-76908	-18340	-18340	1	Si
246	0.158	11.4	0	-2526	SLU 29	-2526	-10922	-76908	-18340	-18340	1	Si
266	0.158	11.4	0	-3335	SLU 29	-3335	-10922	-76908	-18340	-18340	1	Si
285	0.158	11.4	0	-4064	SLU 29	-4064	-10922	-76908	-18340	-18340	1	Si
287	0	11.4	0	-4143	SLU 29	-4143	-10922	-76908	0	-10922	1	Si
307	0	11.4	0	-4952	SLU 29	-4952	-10922	-76908	0	-10922	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	17018	SLV 1	20167	9541	76908	0	9541	1	Si
0	0	11.4	0	-7200	SLV 15	-10349	-10922	-76908	0	-10922	1	Si
20	0	7.6	0	16469	SLV 1	19618	9541	76908	0	9541	1	Si
20	0	11.4	0	-7749	SLV 15	-10898	-10922	-76908	0	-10922	1	Si
23	0.172	7.6	0	16415	SLV 1	19564	9541	76908	20007	20007	1	Si
23	0.172	11.4	0	-7803	SLV 15	-10951	-10922	-76908	-20007	-20007	1	Si
41	0.172	7.6	0	15919	SLV 1	19067	9541	76908	20007	20007	1	Si
41	0.172	11.4	0	-8299	SLV 15	-11448	-10922	-76908	-20007	-20007	1	Si
61	0.172	7.6	0	15369	SLV 1	18517	9541	76908	20007	20007	1	Si
61	0.172	11.4	0	-8850	SLV 15	-11998	-10922	-76908	-20007	-20007	1	Si
82	0.172	7.6	0	14819	SLV 1	17967	9541	76908	20007	20007	1	Si
82	0.172	11.4	0	-9400	SLV 15	-12548	-10922	-76908	-20007	-20007	1	Si
92	0.172	7.6	0	14544	SLV 1	17692	9541	76908	20007	20007	1	Si
92	0.172	11.4	0	-9675	SLV 15	-12823	-10922	-76908	-20007	-20007	1	Si
113	0.156	7.6	0	13993	SLV 1	17142	9541	76908	18102	18102	1	Si
113	0.156	11.4	0	-10225	SLV 15	-13374	-10922	-76908	-18102	-18102	1	Si
133	0.156	7.6	0	13443	SLV 1	16592	9541	76908	18102	18102	1	Si
133	0.156	11.4	0	-10775	SLV 15	-13924	-10922	-76908	-18102	-18102	1	Si
154	0.156	7.6	0	12893	SLV 1	16041	9541	76908	18102	18102	1	Si
154	0.156	11.4	0	-11326	SLV 15	-14474	-10922	-76908	-18102	-18102	1	Si
174	0.156	11.4	0	12343	SLV 1	15491	10922	76908	18102	18102	1	Si
174	0.156	11.4	0	-11876	SLV 15	-15024	-10922	-76908	-18102	-18102	1	Si
195	0.156	11.4	0	11792	SLV 1	14941	10922	76908	18102	18102	1	Si
195	0.156	11.4	0	-12426	SLV 15	-15574	-10922	-76908	-18102	-18102	1	Si
215	0.158	11.4	0	11242	SLV 1	14391	10922	76908	18340	18340	1	Si
215	0.158	7.6	0	-12976	SLV 15	-16125	-9541	-76908	-18340	-18340	1	Si
225	0.158	11.4	0	10967	SLV 1	14115	10922	76908	18340	18340	1	Si
225	0.158	7.6	0	-13252	SLV 15	-16400	-9541	-76908	-18340	-18340	1	Si
246	0.158	11.4	0	10417	SLV 1	13565	10922	76908	18340	18340	1	Si
246	0.158	7.6	0	-13802	SLV 15	-16950	-9541	-76908	-18340	-18340	1	Si
266	0.158	11.4	0	9866	SLV 1	13015	10922	76908	18340	18340	1	Si
266	0.158	7.6	0	-14352	SLV 15	-17501	-9541	-76908	-18340	-18340	1	Si
285	0.158	11.4	0	9370	SLV 1	12518	10922	76908	18340	18340	1	Si
285	0.158	7.6	0	-14849	SLV 15	-17997	-9541	-76908	-18340	-18340	1	Si
287	0	11.4	0	9316	SLV 1	12464	10922	76908	0	10922	1	Si
287	0	7.6	0	-14903	SLV 15	-18051	-9541	-76908	0	-9541	1	Si
307	0	11.4	0	8766	SLV 1	11914	10922	76908	0	10922	1	Si
307	0	7.6	0	-15453	SLV 15	-18601	-9541	-76908	0	-9541	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	10268	SLD 1	10268	9541	76908	0	9541	1	Si
0	0	11.4	0	-450	SLD 15	-450	-10922	-76908	0	-10922	1	Si
20	0	7.6	0	9719	SLD 1	9719	9541	76908	0	9541	1	Si
20	0	11.4	0	-999	SLD 15	-999	-10922	-76908	0	-10922	1	Si
23	0.172	7.6	0	9665	SLD 1	9665	9541	76908	20007	20007	1	Si
23	0.172	11.4	0	-1052	SLD 15	-1052	-10922	-76908	-20007	-20007	1	Si
41	0.172	7.6	0	9168	SLD 1	9168	9541	76908	20007	20007	1	Si
41	0.172	11.4	0	-1549	SLD 15	-1549	-10922	-76908	-20007	-20007	1	Si
61	0.172	7.6	0	8618	SLD 1	8618	9541	76908	20007	20007	1	Si
61	0.172	11.4	0	-2099	SLD 15	-2099	-10922	-76908	-20007	-20007	1	Si
82	0.172	7.6	0	8068	SLD 1	8068	9541	76908	20007	20007	1	Si
82	0.172	11.4	0	-2649	SLD 15	-2649	-10922	-76908	-20007	-20007	1	Si
92	0.172	7.6	0	7793	SLD 1	7793	9541	76908	20007	20007	1	Si
92	0.172	11.4	0	-2924	SLD 15	-2924	-10922	-76908	-20007	-20007	1	Si
113	0.156	7.6	0	7243	SLD 1	7243	9541	76908	18102	18102	1	Si
113	0.156	11.4	0	-3475	SLD 15	-3475	-10922	-76908	-18102	-18102	1	Si
133	0.156	7.6	0	6693	SLD 1	6693	9541	76908	18102	18102	1	Si
133	0.156	11.4	0	-4025	SLD 15	-4025	-10922	-76908	-18102	-18102	1	Si
154	0.156	11.4	0	6142	SLD 1	6142	10922	76908	18102	18102	1	Si
154	0.156	11.4	0	-4575	SLD 15	-4575	-10922	-76908	-18102	-18102	1	Si
174	0.156	11.4	0	5592	SLD 1	5592	10922	76908	18102	18102	1	Si
174	0.156	11.4	0	-5125	SLD 15	-5125	-10922	-76908	-18102	-18102	1	Si
195	0.156	11.4	0	5042	SLD 1	5042	10922	76908	18102	18102	1	Si
195	0.156	11.4	0	-5676	SLD 15	-5676	-10922	-76908	-18102	-18102	1	Si
215	0.158	11.4	0	4492	SLD 1	4492	10922	76908	18340	18340	1	Si
215	0.158	11.4	0	-6226	SLD 15	-6226	-10922	-76908	-18340	-18340	1	Si
225	0.158	11.4	0	4216	SLD 1	4216	10922	76908	18340	18340	1	Si
225	0.158	11.4	0	-6501	SLD 15	-6501	-10922	-76908	-18340	-18340	1	Si
246	0.158	11.4	0	3666	SLD 1	3666	10922	76908	18340	18340	1	Si
246	0.158	7.6	0	-7051	SLD 15	-7051	-9541	-76908	-18340	-18340	1	Si
266	0.158	11.4	0	3116	SLD 1	3116	10922	76908	18340	18340	1	Si
266	0.158	7.6	0	-7602	SLD 15	-7602	-9541	-76908	-18340	-18340	1	Si
285	0.158	11.4	0	2619	SLD 1	2619	10922	76908	18340	18340	1	Si
285	0.158	7.6	0	-8098	SLD 15	-8098	-9541	-76908	-18340	-18340	1	Si
287	0	11.4	0	2565	SLD 1	2565	10922	76908	0	10922	1	Si
287	0	7.6	0	-8152	SLD 15	-8152	-9541	-76908	0	-9541	1	Si
307	0	11.4	0	2015	SLD 1	2015	10922	76908	0	10922	1	Si
307	0	7.6	0	-8702	SLD 15	-8702	-9541	-76908	0	-9541	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-194555	3	-135389	3	124.5	46.9	1837	-178802	2	-123786	5	93.4	0	+∞	Si
20	-92382	3	-92151	2.1	124.5	32	1837	-83785	2	-83570	3.4	93.4	0	+∞	Si
23	-83302	3	-83302	1.9	124.5	28.9	1837	-75341	2	-75341	3	93.4	0	+∞	Si
41	3062	6	104553	3.8	124.5	155.7	1837	2513	1	99171	3.6	93.4	0	+∞	Si
41	-2356	3	-83302	1.9	124.5	28.9	1837	-46	2	-75341	3	93.4	0	+∞	Si
61	75899	2	164977	6	124.5	245.6	1837	72415	2	155639	5.7	93.4	0	+∞	Si
82	141403	2	213422	7.7	124.5	317.8	1837	133598	2	200828	7.3	93.4	0	+∞	Si
92	169598	2	233116	8.5	124.5	347.1	1837	159960	2	219193	8	93.4	0	+∞	Si
113	217066	3	263394	9.6	124.5	392.2	1837	204225	2	247463	9	93.4	0	+∞	Si
133	252422	3	281521	10.2	124.5	419.2	1837	237210	2	264453	9.6	93.4	0	+∞	Si
154	275629	3	287499	10.4	124.5	428.1	1837	258916	2	270163	9.8	93.4	0	+∞	Si
174	286686	3	287658	10.4	124.5	428.3	1837	269341	2	270324	9.8	93.4	0	+∞	Si
195	285592	3	287658	10.4	124.5	428.3	1837	268487	2	270324	9.8	93.4	0	+∞	Si
215	272347	3	287319	10.4	124.5	427.8	1837	256351	2	270023	9.8	93.4	0	+∞	Si
225	261168	3	284755	10.3	124.5	424	1837	246053	2	267723	9.7	93.4	0	+∞	Si
246	229695	3	270515	9.8	124.5	402.8	1837	216996	2	254663	9.2	93.4	0	+∞	Si
266	186071	3	244122	8.9	124.5	363.5	1837	176657	2	230322	8.4	93.4	0	+∞	Si
285	136032	3	210035	7.6	124.5	312.7	1837	130347	2	198822	7.2	93.4	0	+∞	Si
287	130294	3	130294	4.7	124.5	194	1837	125035	2	125035	4.5	93.4	0	+∞	Si
307	69960	4	69960	2.5	124.5	104.2	1837	65288	1	65288	2.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
23	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
41	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
61	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.007	2	9999	Si
82	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.009	2	9999	Si
92	0.006	0.005	0.005	0.004	0.006	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
113	0.007	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
133	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.015	2	0.013	2	9999	Si
154	0.008	0.007	0.006	0.005	0.007	0.007	0.006	0.005	0.007	0.007	0.015	2	0.014	2	9999	Si
164	0.008	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.014	2	9999	Si
174	0.008	0.007	0.006	0.005	0.007	0.007	0.006	0.005	0.007	0.007	0.015	2	0.014	2	9999	Si
195	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.015	2	0.013	2	9999	Si
215	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
225	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.012	2	0.011	2	9999	Si
246	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.009	2	9999	Si
266	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
285	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
287	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	4306	15258	20007	SLV 1	0.37	763	1.029	-75341	-2010935	-970824	SLV 1	0.17	120	0.482	No
41	3810	15258	20007	SLV 1	0.39	823	1.061	-75341	-2010935	-970824	SLV 1	0.17	120	0.482	No
61	3260	15258	20007	SLV 1	0.4	893	1.097	-33875	-1890777	-970824	SLV 1	0.19	150	0.528	No
82	2709	15258	20007	SLV 1	0.41	966	1.133	43301	-1642762	-970824	SLV 1	0.23	239	0.639	No
92	2434	15258	20007	SLV 1	0.42	1007	1.153	77660	-1518785	-970824	SLV 1	0.26	305	0.706	No
113	1884	15258	18102	SLV 1	0.39	826	1.063	137919	-1270926	-970824	SLV 1	0.32	511	0.873	No
133	1334	15258	18102	SLV 1	0.4	896	1.099	186899	-1023283	-970824	SLV 1	0.41	961	1.131	Si
154	784	15258	18102	SLV 1	0.41	969	1.135	224599	-776111	-970824	SLV 1	0.55	2182	1.583	Si
174	233	15258	18102	SLV 1	0.42	1052	1.174	251020	518246	1422093	SLV 15	0.57	2474	1.666	Si
195	-317	-15258	-18102	SLV 15	0.42	1039	1.168	247741	432046	1422093	SLV 1	0.57	2474	1.666	Si
215	-867	-15258	-18340	SLV 15	0.41	992	1.146	219608	-679144	-970824	SLV 15	0.57	2474	1.666	Si
225	-1142	-15258	-18340	SLV 15	0.41	953	1.127	201311	-802912	-970824	SLV 15	0.52	1891	1.493	Si
246	-1693	-15258	-18340	SLV 15	0.4	880	1.091	156256	-1050662	-970824	SLV 15	0.39	844	1.072	Si
266	-2243	-15258	-18340	SLV 15	0.38	811	1.055	130347	-1170736	-970824	SLV 15	0.34	613	0.94	No
285	-2740	-15258	-18340	SLV 15	0.37	751	1.022	130347	-1170736	-970824	SLV 15	0.34	613	0.94	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	4306	5359	20007	SLD 1	0.39	868	2.729	-75341	-889904	-970824	SLD 1	0.14	84	1.048	Si
41	3810	5359	20007	SLD 1	0.41	937	2.816	-75341	-889904	-970824	SLD 1	0.14	84	1.048	Si
61	3260	5359	20007	SLD 1	0.42	1021	2.917	-33875	-836731	-970824	SLD 1	0.16	104	1.143	Si
82	2709	5359	20007	SLD 1	0.43	1114	3.023	43301	-726976	-970824	SLD 1	0.19	163	1.375	Si
92	2434	5359	20007	SLD 1	0.44	1162	3.076	77660	-672113	-970824	SLD 1	0.22	207	1.516	Si
113	1884	5359	18102	SLD 1	0.41	940	2.82	137919	-562427	-970824	SLD 1	0.27	345	1.87	Si
133	1334	5359	18102	SLD 1	0.42	1025	2.922	186899	-452837	-970824	SLD 1	0.35	623	2.382	Si
154	784	5359	18102	SLD 1	0.43	1118	3.028	224599	-343455	-970824	SLD 1	0.46	1361	3.282	Si
174	233	5359	18102	SLD 1	0.45	1214	3.132	251020	229342	1422093	SLD 15	0.6	2474	4.193	Si
195	-317	-5359	-18102	SLD 15	0.44	1199	3.116	247741	191184	1422093	SLD 1	0.6	2474	4.193	Si
215	-867	-5359	-18340	SLD 15	0.44	1145	3.057	219608	-300533	-970824	SLD 15	0.52	1921	3.78	Si
225	-1142	-5359	-18340	SLD 15	0.43	1097	3.004	201311	-355305	-970824	SLD 15	0.44	1181	3.096	Si
246	-1693	-5359	-18340	SLD 15	0.42	1004	2.897	156256	-464942	-970824	SLD 15	0.33	548	2.26	Si
266	-2243	-5359	-18340	SLD 15	0.4	923	2.799	130347	-518079	-970824	SLD 15	0.29	407	2.001	Si
285	-2740	-5359	-18340	SLD 15	0.39	855	2.712	130347	-518079	-970824	SLD 15	0.29	407	2.001	Si

Campata 2 tra i fili 2 - 3, sezione R 45x70, asta 1022

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	177213	SLU 35	177213	1422093	0.084						Si
23	7.6	5.4	11.4	5.4	262525	SLU 36	369760	1422093	0.084						Si
49	7.6	5.4	11.4	5.4	361763	SLU 30	441880	1422093	0.084						Si
73	7.6	5.4	11.4	5.4	432078	SLU 30	484087	1422093	0.084						Si
98	7.6	5.4	11.4	5.4	478704	SLU 30	502605	1422093	0.084						Si
110	7.6	5.4	11.4	5.4	493134	SLU 30	504225	1422093	0.084						Si
135	7.6	5.4	11.4	5.4	504225	SLU 30	504225	1422093	0.084						Si
159	7.6	5.4	11.4	5.4	491626	SLU 30	504225	1422093	0.084						Si
184	7.6	5.4	11.4	5.4	455335	SLU 30	495081	1422093	0.084						Si
208	7.6	5.4	11.4	5.4	395780	SLU 29	463209	1422093	0.084						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
233	7.6	5.4	11.4	5.4	312669	SLU 29	407968	1422093	0.084						Si
257	7.6	5.4	11.4	5.4	205862	SLU 29	329276	1422093	0.084	99588	SLU 8	-1040	-970824	0.078	Si
282	7.6	5.4	11.4	5.4	75360	SLU 29	226890	1422093	0.084	16813	SLU 8	-129061	-970824	0.078	Si
294	7.6	5.4	11.4	5.4	9263	SLU 11	166811	1422093	0.084	-37776	SLU 26	-207265	-970824	0.078	Si
318	7.6	5.4	11.4	5.4	-123144	SLU 2	32427	1422093	0.084	-174831	SLU 35	-375105	-970824	0.078	Si
345	7.6	5.4	11.4	5.4						-375105	SLU 30	-375105	-970824	0.078	Si
367	7.6	5.4	11.4	5.4						-572130	SLU 30	-468823	-970824	0.078	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	1763853	SLV 13	1683458	1422093	0.084	-1525491	SLV 3	-1366717	-970824	0.078	No
23	7.6	5.4	11.4	5.4	1595870	SLV 13	1595870	1422093	0.084	-1213791	SLV 3	-1213791	-970824	0.078	No
49	7.6	5.4	11.4	5.4	1381548	SLV 13	1595870	1422093	0.084	-863867	SLV 3	-1213791	-970824	0.078	No
73	7.6	5.4	11.4	5.4	1167039	SLV 13	1419405	1422093	0.084	-558049	SLV 3	-923266	-970824	0.078	Si
98	7.6	5.4	11.4	5.4	937801	SLV 13	1207762	1422093	0.084	-269737	SLV 3	-614301	-970824	0.078	Si
110	7.6	5.4	11.4	5.4	818215	SLV 13	1096284	1422093	0.084	-132702	SLV 3	-466249	-970824	0.078	Si
135	7.6	5.4	11.4	5.4	572009	SLV 13	862828	1422093	0.084	124224	SLV 3	-183824	-970824	0.078	Si
159	7.6	5.4	11.4	5.4	464622	SLV 5	687102	1422093	0.084	210092	SLV 11	-80684	-970824	0.078	Si
184	7.6	5.4	11.4	5.4	646452	SLV 1	899234	1422093	0.084	-25496	SLV 15	-384828	-970824	0.078	Si
208	7.6	5.4	11.4	5.4	861123	SLV 1	1097012	1422093	0.084	-326166	SLV 15	-706861	-970824	0.078	Si
233	7.6	5.4	11.4	5.4	1061715	SLV 1	1279447	1422093	0.084	-644997	SLV 15	-1045795	-970824	0.078	No
257	7.6	5.4	11.4	5.4	1247061	SLV 1	1446161	1422093	0.084	-980828	SLV 15	-1401252	-970824	0.078	No
282	7.6	5.4	11.4	5.4	1416730	SLV 1	1596983	1422093	0.084	-1333226	SLV 15	-1773065	-970824	0.078	No
294	7.6	5.4	11.4	5.4	1495620	SLV 1	1666406	1422093	0.084	-1515572	SLV 15	-1965075	-970824	0.078	No
318	7.6	5.4	11.4	5.4	1641443	SLV 1	1780884	1422093	0.084	-1892493	SLV 15	-2318753	-970824	0.078	No
345	7.6	5.4	11.4	5.4	1780884	SLV 1	1780884	1422093	0.084	-2318753	SLV 15	-2318753	-970824	0.078	No
367	7.6	5.4	11.4	5.4	1885054	SLV 1	1816359	1422093	0.084	-2695046	SLV 15	-2483766	-970824	0.078	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	846978	SLD 13	833249	1422093	0.084	-608616	SLD 3	-516507	-970824	0.078	Si
23	7.6	5.4	11.4	5.4	812701	SLD 13	812701	1422093	0.084	-430622	SLD 3	-430622	-970824	0.078	Si
49	7.6	5.4	11.4	5.4	755655	SLD 13	812701	1422093	0.084	-237974	SLD 3	-430622	-970824	0.078	Si
73	7.6	5.4	11.4	5.4	686180	SLD 13	766403	1422093	0.084	-77190	SLD 3	-270264	-970824	0.078	Si
98	7.6	5.4	11.4	5.4	601202	SLD 13	699872	1422093	0.084	66862	SLD 3	-106411	-970824	0.078	Si
110	7.6	5.4	11.4	5.4	553146	SLD 13	660735	1422093	0.084	132367	SLD 3	-30700	-970824	0.078	Si
135	7.6	5.4	11.4	5.4	447182	SLD 13	571074	1422093	0.084						Si
159	7.6	5.4	11.4	5.4	393662	SLD 5	473096	1422093	0.084						Si
184	7.6	5.4	11.4	5.4	459159	SLD 1	541325	1422093	0.084	161798	SLD 15	-26919	-970824	0.078	Si
208	7.6	5.4	11.4	5.4	530188	SLD 1	594213	1422093	0.084	4770	SLD 15	-204062	-970824	0.078	Si
233	7.6	5.4	11.4	5.4	585998	SLD 1	631324	1422093	0.084	-169281	SLD 15	-397672	-970824	0.078	Si
257	7.6	5.4	11.4	5.4	626074	SLD 1	652489	1422093	0.084	-359841	SLD 15	-607581	-970824	0.078	Si
282	7.6	5.4	11.4	5.4	650224	SLD 1	658362	1422093	0.084	-566719	SLD 15	-833716	-970824	0.078	Si
294	7.6	5.4	11.4	5.4	656297	SLD 1	658362	1422093	0.084	-676250	SLD 15	-952856	-970824	0.078	Si
318	7.6	5.4	11.4	5.4	656412	SLD 1	658362	1422093	0.084	-907463	SLD 15	-1176041	-970824	0.078	No
345	7.6	5.4	11.4	5.4	638172	SLD 1	656821	1422093	0.084	-1176041	SLD 15	-1176041	-970824	0.078	No
367	7.6	5.4	11.4	5.4	608419	SLD 1	608419	1422093	0.084	-1418411	SLD 15	-1285171	-970824	0.078	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	5310	SLU 29	5310	10922	76908	0	10922	1	Si
23	0.144	11.4	0	4422	SLU 29	4422	10922	76908	16673	16673	1	Si
49	0.144	11.4	0	3377	SLU 29	3377	10922	76908	16673	16673	1	Si
73	0.144	11.4	0	2410	SLU 29	2410	10922	76908	16673	16673	1	Si
98	0.149	11.4	0	1443	SLU 29	1443	10922	76908	17267	17267	1	Si
110	0.149	11.4	0	959	SLU 29	959	10922	76908	17267	17267	1	Si
135	0.149	11.4	0	75	SLU 11	75	10922	76908	17267	17267	1	Si
135	0.149	11.4	0	-373	SLU 26	-373	-10922	-76908	-17267	-17267	1	Si
159	0.149	11.4	0	-1105	SLU 35	-1105	-10922	-76908	-17267	-17267	1	Si
184	0.149	11.4	0	-1969	SLU 36	-1969	-10922	-76908	-17267	-17267	1	Si
208	0.149	11.4	0	-2932	SLU 30	-2932	-10922	-76908	-17267	-17267	1	Si
233	0.149	11.4	0	-3899	SLU 30	-3899	-10922	-76908	-17267	-17267	1	Si
257	0.149	11.4	0	-4866	SLU 30	-4866	-10922	-76908	-17267	-17267	1	Si
282	0.172	11.4	0	-5833	SLU 30	-5833	-10922	-76908	-20007	-20007	1	Si
294	0.172	7.6	0	-6317	SLU 30	-6317	-9541	-76908	-20007	-20007	1	Si
318	0.172	7.6	0	-7284	SLU 30	-7284	-9541	-76908	-20007	-20007	1	Si
345	0.172	7.6	0	-8331	SLU 30	-8331	-9541	-76908	-20007	-20007	1	Si
367	0	7.6	0	-9219	SLU 30	-9219	-9541	-76908	0	-9541	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	14198	SLV 3	16977	9541	76908	0	9541	1	Si
0	0	11.4	0	-7182	SLV 13	-9961	-10922	-76908	0	-10922	1	Si
23	0.144	7.6	0	13593	SLV 3	16373	9541	76908	16673	16673	1	Si
23	0.144	11.4	0	-7786	SLV 13	-10565	-10922	-76908	-16673	-16673	1	Si
49	0.144	7.6	0	12882	SLV 3	15661	9541	76908	16673	16673	1	Si
49	0.144	11.4	0	-8497	SLV 13	-11276	-10922	-76908	-16673	-16673	1	Si
73	0.144	7.6	0	12224	SLV 3	15003	9541	76908	16673	16673	1	Si
73	0.144	11.4	0	-9155	SLV 13	-11934	-10922	-76908	-16673	-16673	1	Si
98	0.149	7.6	0	11566	SLV 3	14345	9541	76908	17267	17267	1	Si
98	0.149	11.4	0	-9813	SLV 13	-12592	-10922	-76908	-17267	-17267	1	Si
110	0.149	7.6	0	11237	SLV 3	14017	9541	76908	17267	17267	1	Si
110	0.149	11.4	0	-10142	SLV 13	-12921	-10922	-76908	-17267	-17267	1	Si
135	0.149	11.4	0	10579	SLV 3	13359	10922	76908	17267	17267	1	Si
135	0.149	11.4	0	-10800	SLV 13	-13579	-10922	-76908	-17267	-17267	1	Si
159	0.149	11.4	0	9921	SLV 3	12701	10922	76908	17267	17267	1	Si
159	0.149	11.4	0	-11458	SLV 13	-14237	-10922	-76908	-17267	-17267	1	Si
184	0.149	11.4	0	9263	SLV 3	12043	10922	76908	17267	17267	1	Si
184	0.149	11.4	0	-12116	SLV 13	-14895	-10922	-76908	-17267	-17267	1	Si
208	0.149	11.4	0	8605	SLV 3	11385	10922	76908	17267	17267	1	Si
208	0.149	7.6	0	-12774	SLV 13	-15553	-9541	-76908	-17267	-17267	1	Si
233	0.149	11.4	0	7947	SLV 3	10727	10922	76908	17267	17267	1	Si
233	0.149	7.6	0	-13432	SLV 13	-16211	-9541	-76908	-17267	-17267	1	Si
257	0.149	11.4	0	7289	SLV 3	10069	10922	76908	17267	17267	1	Si
257	0.149	7.6	0	-14090	SLV 13	-16869	-9541	-76908	-17267	-17267	1	Si
282	0.172	11.4	0	6631	SLV 3	9411	10922	76908	20007	20007	1	Si
282	0.172	7.6	0	-14748	SLV 13	-17527	-9541	-76908	-20007	-20007	1	Si
294	0.172	11.4	0	6302	SLV 3	9082	10922	76908	20007	20007	1	Si
294	0.172	7.6	0	-15077	SLV 13	-17856	-9541	-76908	-20007	-20007	1	Si
318	0.172	11.4	0	5644	SLV 3	8423	10922	76908	20007	20007	1	Si
318	0.172	7.6	0	-15735	SLV 13	-18514	-9541	-76908	-20007	-20007	1	Si
345	0.172	11.4	0	4932	SLV 3	7712	10922	76908	20007	20007	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
345	0.172	7.6	0	-16447	SLV 13	-19226	-9541	-76908	-20007	-20007	1	Si
367	0	11.4	0	4328	SLV 3	7107	10922	76908	0	10922	1	Si
367	0	7.6	0	-17051	SLV 13	-19830	-9541	-76908	0	-9541	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	8238	SLD 3	8238	9541	76908	0	9541	1	Si
0	0	11.4	0	-1222	SLD 13	-1222	-10922	-76908	0	-10922	1	Si
23	0.144	7.6	0	7634	SLD 3	7634	9541	76908	16673	16673	1	Si
23	0.144	11.4	0	-1826	SLD 13	-1826	-10922	-76908	-16673	-16673	1	Si
49	0.144	7.6	0	6923	SLD 3	6923	9541	76908	16673	16673	1	Si
49	0.144	11.4	0	-2538	SLD 13	-2538	-10922	-76908	-16673	-16673	1	Si
73	0.144	7.6	0	6265	SLD 3	6265	9541	76908	16673	16673	1	Si
73	0.144	11.4	0	-3196	SLD 13	-3196	-10922	-76908	-16673	-16673	1	Si
98	0.149	11.4	0	5607	SLD 3	5607	10922	76908	17267	17267	1	Si
98	0.149	11.4	0	-3854	SLD 13	-3854	-10922	-76908	-17267	-17267	1	Si
110	0.149	11.4	0	5278	SLD 3	5278	10922	76908	17267	17267	1	Si
110	0.149	11.4	0	-4183	SLD 13	-4183	-10922	-76908	-17267	-17267	1	Si
135	0.149	11.4	0	4620	SLD 3	4620	10922	76908	17267	17267	1	Si
135	0.149	11.4	0	-4841	SLD 13	-4841	-10922	-76908	-17267	-17267	1	Si
159	0.149	11.4	0	3962	SLD 3	3962	10922	76908	17267	17267	1	Si
159	0.149	11.4	0	-5499	SLD 13	-5499	-10922	-76908	-17267	-17267	1	Si
184	0.149	11.4	0	3304	SLD 3	3304	10922	76908	17267	17267	1	Si
184	0.149	11.4	0	-6156	SLD 13	-6156	-10922	-76908	-17267	-17267	1	Si
208	0.149	11.4	0	2646	SLD 3	2646	10922	76908	17267	17267	1	Si
208	0.149	11.4	0	-6814	SLD 13	-6814	-10922	-76908	-17267	-17267	1	Si
233	0.149	11.4	0	1988	SLD 3	1988	10922	76908	17267	17267	1	Si
233	0.149	7.6	0	-7472	SLD 13	-7472	-9541	-76908	-17267	-17267	1	Si
257	0.149	11.4	0	1330	SLD 3	1330	10922	76908	17267	17267	1	Si
257	0.149	7.6	0	-8131	SLD 13	-8131	-9541	-76908	-17267	-17267	1	Si
282	0.172	11.4	0	672	SLD 3	672	10922	76908	20007	20007	1	Si
282	0.172	7.6	0	-8789	SLD 13	-8789	-9541	-76908	-20007	-20007	1	Si
294	0.172	11.4	0	343	SLD 3	343	10922	76908	20007	20007	1	Si
294	0.172	7.6	0	-9118	SLD 13	-9118	-9541	-76908	-20007	-20007	1	Si
318	0.172	7.6	0	-9776	SLD 13	-9776	-9541	-76908	-20007	-20007	1	Si
345	0.172	7.6	0	-10488	SLD 13	-10488	-9541	-76908	-20007	-20007	1	Si
367	0	7.6	0	-11092	SLD 13	-11092	-9541	-76908	0	-9541	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	134816	8	134816	4.9	124.5	200.7	1837	127258	1	127258	4.6	93.4	0	+∞	Si
23	198097	9	275934	10	124.5	410.8	1837	191039	2	264052	9.6	93.4	0	+∞	Si
49	270162	3	327867	11.9	124.5	488.2	1837	258840	2	310756	11.3	93.4	0	+∞	Si
73	320843	3	357948	13	124.5	532.9	1837	304495	2	337287	12.2	93.4	0	+∞	Si
98	354162	3	370667	13.5	124.5	551.9	1837	334032	2	347700	12.6	93.4	0	+∞	Si
110	364311	3	371587	13.5	124.5	553.3	1837	342757	2	348117	12.6	93.4	0	+∞	Si
135	371587	3	371587	13.5	124.5	553.3	1837	348117	2	348117	12.6	93.4	0	+∞	Si
159	361501	3	371587	13.5	124.5	553.3	1837	337357	2	348117	12.6	93.4	0	+∞	Si
184	334051	3	364192	13.2	124.5	542.2	1837	310478	2	340116	12.3	93.4	0	+∞	Si
208	289522	2	339981	12.3	124.5	506.2	1837	267479	2	316244	11.5	93.4	0	+∞	Si
233	227721	2	298621	10.8	124.5	444.6	1837	208359	2	276251	10	93.4	0	+∞	Si
257	148554	2	240059	8.7	124.5	357.4	1837	133116	2	220138	8	93.4	0	+∞	Si
282	52021	2	164131	6	124.5	244.4	1837	41752	2	147903	5.4	93.4	0	+∞	Si
294	-25958	8	-156072	3.5	124.5	54.1	1837	-20803	1	-149335	6	93.4	0	+∞	Si
318	-132014	8	-280178	6.3	124.5	97.2	1837	-125799	1	-268934	10.8	93.4	0	+∞	Si
345	-280178	3	-280178	6.3	124.5	97.2	1837	-268934	2	-268934	10.8	93.4	0	+∞	Si
367	-425358	3	-349254	7.9	124.5	121.1	1837	-404996	2	-333703	13.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
49	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.013	2	0.012	2	9999	Si
73	0.009	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.018	2	0.016	2	9999	Si
98	0.011	0.009	0.009	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.022	2	0.019	2	9999	Si
110	0.012	0.01	0.01	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.023	2	0.021	2	9999	Si
135	0.013	0.01	0.01	0.009	0.012	0.01	0.01	0.009	0.012	0.01	0.025	2	0.022	2	9999	Si
159	0.013	0.011	0.011	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.026	2	0.023	2	9999	Si
184	0.013	0.01	0.01	0.009	0.012	0.01	0.01	0.009	0.012	0.01	0.025	2	0.022	2	9999	Si
208	0.012	0.01	0.01	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.023	2	0.021	2	9999	Si
233	0.011	0.009	0.009	0.007	0.01	0.009	0.008	0.007	0.01	0.009	0.02	2	0.018	2	9999	Si
257	0.009	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.017	2	0.015	2	9999	Si
282	0.007	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.013	2	0.011	2	9999	Si
294	0.006	0.004	0.005	0.003	0.005	0.004	0.004	0.004	0.005	0.004	0.011	2	0.009	2	9999	Si
318	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
345	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	2904	13469	16673	SLV 3	0.37	751	1.022	191039	-1404830	-970824	SLV 3	0.3	452	0.83	No
49	2192	13469	16673	SLV 3	0.39	849	1.075	191039	-1404830	-970824	SLV 3	0.3	452	0.83	No
73	1535	13469	16673	SLV 3	0.41	946	1.124	248070	1171336	1422093	SLV 13	0.36	715	1.002	Si
98	877	13469	17267	SLV 3	0.44	1165	1.224	296731	911031	1422093	SLV 13	0.45	1212	1.244	Si
110	548	13469	17267	SLV 3	0.45	1228	1.25	315017	781267	1422093	SLV 13	0.51	1746	1.445	Si
135	-110	-13469	-17267	SLV 13	0.46	1314	1.286	339502	523326	1422093	SLV 13	0.57	2474	1.666	Si
159	-768	-13469	-17267	SLV 13	0.44	1185	1.232	303209	383893	1422093	SLV 1	0.57	2474	1.666	Si
184	-1426	-13469	-17267	SLV 13	0.43	1064	1.179	257203	642031	1422093	SLV 1	0.57	2474	1.666	Si
208	-2084	-13469	-17267	SLV 13	0.41	953	1.127	195075	-901936	-970824	SLV 15	0.46	1367	1.307	Si
233	-2742	-13469	-17267	SLV 13	0.39	855	1.078	116826	-1162621	-970824	SLV 15	0.34	606	0.936	No
257	-3400	-13469	-17267	SLV 13	0.37	764	1.029	22454	-1423706	-970824	SLV 15	0.26	312	0.713	No
282	-4058	-13469	-20007	SLV 13	0.43	1084	1.188	-88041	-1685024	-970824	SLV 15	0.2	168	0.553	No
294	-4387	-13469	-20007	SLV 13	0.42	1025	1.161	-149335	-1815741	-970824	SLV 15	0.17	124	0.488	No
318	-5045	-13469	-20007	SLV 13	0.4	919	1.11	-268934	-2049819	-970824	SLV 15	0.13	71	0.389	No
345	-5757	-13469	-20007	SLV 13	0.38	816	1.057	-268934	-2049819	-970824	SLV 15	0.13	71	0.389	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	2904	4730	16673	SLD 3	0.39	855	2.712	191039	-621661	-970824	SLD 3	0.26	307	1.782	Si
49	2192	4730	16673	SLD 3	0.41	966	2.851	191039	-621661	-970824	SLD 3	0.26	307	1.782	Si
73	1535	4730	16673	SLD 3	0.43	1088	2.994	248070	518333	1422093	SLD 13	0.31	467	2.117	Si
98	877	4730	17267	SLD 3	0.46	1345	3.266	296731	403142	1422093	SLD 13	0.38	771	2.6	Si
110	548	4730	17267	SLD 3	0.47	1418	3.337	315017	345717	1422093	SLD 13	0.43	1091	2.997	Si
135	-110	-4730	-17267	SLD 13	0.48	1517	3.431	339502	231572	1422093	SLD 13	0.6	2474	4.193	Si
159	-768	-4730	-17267	SLD 13	0.46	1368	3.289	303209	169887	1422093	SLD 1	0.6	2474	4.193	Si
184	-1426	-4730	-17267	SLD 13	0.45	1228	3.146	257203	284122	1422093	SLD 1	0.54	2107	3.926	Si
208	-2084	-4730	-17267	SLD 13	0.43	1097	3.004	195075	-399138	-970824	SLD 15	0.39	861	2.72	Si
233	-2742	-4730	-17267	SLD 13	0.41	973	2.86	116826	-514498	-970824	SLD 15	0.29	402	1.99	Si
257	-3400	-4730	-17267	SLD 13	0.39	869	2.73	22454	-630035	-970824	SLD 15	0.22	212	1.531	Si
282	-4058	-4730	-20007	SLD 13	0.45	1251	3.17	-88041	-745675	-970824	SLD 15	0.17	116	1.196	Si
294	-4387	-4730	-20007	SLD 13	0.44	1183	3.098	-149335	-803521	-970824	SLD 15	0.14	86	1.058	Si
318	-5045	-4730	-20007	SLD 13	0.42	1055	2.956	-268934	-907107	-970824	SLD 15	0.11	50	0.847	No
345	-5757	-4730	-20007	SLD 13	0.4	929	2.806	-268934	-907107	-970824	SLD 15	0.11	50	0.847	No

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 4A-14

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - 4, sezione R 45x70, asta 982

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4						-94834	SLU 36	-46579	-1422094	0.084	Si
23	11.4	5.4	11.4	5.4	19047	SLU 19	125648	1422094	0.084	-7005	SLU 18	-7005	-1422094	0.084	Si
31	11.4	5.4	11.4	5.4	50209	SLU 19	156647	1422094	0.084	21539	SLU 18	-7005	-1422094	0.084	Si
62	10.58	5.4	11.4	5.4	164146	SLU 20	265765	1422094	0.084						Si
93	9.11	5.4	11.4	5.4	272961	SLU 29	365945	1422093	0.084						Si
125	7.6	5.4	11.4	5.4	372472	SLU 29	456681	1422093	0.084						Si
140	7.6	5.4	11.4	5.4	418689	SLU 30	498428	1422093	0.084						Si
171	7.6	5.4	10.13	5.4	504000	SLU 30	574465	1271041	0.081						Si
203	7.6	5.4	7.6	5.4	579368	SLU 30	640557	970067	0.076						Si
234	7.6	5.4	7.6	5.4	644791	SLU 30	696704	970067	0.076						Si
265	7.6	5.4	7.6	5.4	700269	SLU 30	742908	970067	0.076						Si
296	7.6	5.4	7.6	5.4	745804	SLU 30	779167	970067	0.076						Si
327	7.6	5.4	7.6	5.4	781394	SLU 30	805481	970067	0.076						Si
343	7.6	5.4	7.6	5.4	795460	SLU 30	814910	970067	0.076						Si
374	7.6	5.4	7.6	5.4	816133	SLU 30	826308	970067	0.076						Si
390	7.6	5.4	7.6	5.4	822741	SLU 30	828278	970067	0.076						Si
405	7.6	5.4	12.66	5.4	826862	SLU 30	828498	1571785	0.086						Si
436	7.6	5.4	15.21	5.4	827647	SLU 30	828498	1873491	0.092						Si
445	7.6	5.4	15.21	5.4	825792	SLU 30	828498	1873491	0.092						Si
467	7.6	5.4	15.21	5.4	818488	SLU 30	818488	1873491	0.092						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	1072122	SLV 13	1071126	1422094	0.084	-1191264	SLV 3	-1119508	-1422094	0.084	Si
23	11.4	5.4	11.4	5.4	1065891	SLV 13	1065891	1422094	0.084	-1047028	SLV 3	-1047028	-1422094	0.084	Si
31	11.4	5.4	11.4	5.4	1062808	SLV 13	1065891	1422094	0.084	-992260	SLV 3	-1047028	-1422094	0.084	Si
62	10.58	5.4	11.4	5.4	1046438	SLV 13	1061824	1422094	0.084	-801500	SLV 3	-979288	-1323939	0.082	Si
93	9.11	5.4	11.4	5.4	1023116	SLV 13	1044985	1422093	0.084	-619086	SLV 3	-789087	-1149551	0.08	Si
125	7.6	5.4	11.4	5.4	992958	SLV 15	1008884	1422093	0.084	-445135	SLV 1	-592577	-970824	0.078	Si
140	7.6	5.4	11.4	5.4	975355	SLV 15	1006741	1422093	0.084	-361372	SLV 1	-519486	-970824	0.078	Si
171	7.6	5.4	10.13	5.4	935205	SLV 15	972764	1271041	0.081	-200378	SLV 1	-350394	-970625	0.077	Si
203	7.6	5.4	7.6	5.4	888670	SLV 15	932179	970067	0.076	-48297	SLV 1	-189994	-970067	0.076	Si
234	7.6	5.4	7.6	5.4	836241	SLV 15	885235	970067	0.076	94378	SLV 1	-38534	-970067	0.076	Si
265	7.6	5.4	7.6	5.4	779290	SLV 15	832464	970067	0.076						Si
296	7.6	5.4	7.6	5.4	769284	SLV 11	785286	970067	0.076						Si
327	7.6	5.4	7.6	5.4	786751	SLV 7	823981	970067	0.076						Si
343	7.6	5.4	7.6	5.4	804683	SLV 7	847128	970067	0.076						Si
374	7.6	5.4	7.6	5.4	850260	SLV 7	907395	970067	0.076						Si
390	7.6	5.4	7.6	5.4	873021	SLV 7	956870	970067	0.076						Si
405	7.6	5.4	12.66	5.4	914153	SLV 3	1005134	1571785	0.086						Si
436	7.6	5.4	15.21	5.4	1011605	SLV 3	1037532	1873491	0.092						Si
445	7.6	5.4	15.21	5.4	1037532	SLV 3	1037532	1873491	0.092						Si
467	7.6	5.4	15.21	5.4	1103240	SLV 3	1072581	1873491	0.092						Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	441238	SLD 13	441238	1422094	0.084	-560380	SLD 3	-508899	-1422094	0.084	Si
23	11.4	5.4	11.4	5.4	476946	SLD 13	517699	1422094	0.084	-458083	SLD 3	-458083	-1422094	0.084	Si
31	11.4	5.4	11.4	5.4	489986	SLD 13	528689	1422094	0.084	-419439	SLD 3	-458083	-1422094	0.084	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
62	10.58	5.4	11.4	5.4	531347	SLD 13	563199	1422094	0.084	-286409	SLD 3	-410356	-1323939	0.082	Si
93	9.11	5.4	11.4	5.4	565365	SLD 13	590414	1422093	0.084	-161335	SLD 3	-277861	-1149551	0.08	Si
125	7.6	5.4	11.4	5.4	592089	SLD 15	610388	1422093	0.084	-44266	SLD 1	-146835	-970824	0.078	Si
140	7.6	5.4	11.4	5.4	602734	SLD 15	617684	1422093	0.084	11248	SLD 1	-94056	-970824	0.078	Si
171	7.6	5.4	10.13	5.4	618633	SLD 15	626959	1271041	0.081						Si
203	7.6	5.4	7.6	5.4	627433	SLD 15	629328	970067	0.076						Si
234	7.6	5.4	7.6	5.4	629343	SLD 15	629343	970067	0.076						Si
265	7.6	5.4	7.6	5.4	624951	SLD 15	635837	970067	0.076						Si
296	7.6	5.4	7.6	5.4	637209	SLD 11	655799	970067	0.076						Si
327	7.6	5.4	7.6	5.4	657201	SLD 7	681344	970067	0.076						Si
343	7.6	5.4	7.6	5.4	669732	SLD 7	694206	970067	0.076						Si
374	7.6	5.4	7.6	5.4	695925	SLD 7	722732	970067	0.076						Si
390	7.6	5.4	7.6	5.4	707395	SLD 7	744051	970067	0.076						Si
405	7.6	5.4	12.66	5.4	725771	SLD 3	763761	1571785	0.086						Si
436	7.6	5.4	15.21	5.4	766383	SLD 3	776263	1873491	0.092						Si
445	7.6	5.4	15.21	5.4	776263	SLD 3	776263	1873491	0.092						Si
467	7.6	5.4	15.21	5.4	800134	SLD 3	789649	1873491	0.092						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.58	0	4333	SLU 30	4333	10651	76908	0	10651	1	Si
23	0.069	11.4	0	4102	SLU 30	4102	10922	76908	8011	10922	1	Si
31	0.069	11.4	0	4014	SLU 30	4014	10922	76908	8011	10922	1	Si
62	0.069	11.4	0	3694	SLU 30	3694	10922	76908	8011	10922	1	Si
93	0.069	11.18	0	3375	SLU 30	3375	10851	76908	8011	10851	1	Si
125	0.069	7.6	0	3056	SLU 30	3056	9541	76908	8011	9541	1	Si
140	0.069	7.6	0	2897	SLU 30	2897	9541	76908	8011	9541	1	Si
171	0.069	7.6	0	2578	SLU 30	2578	9541	76908	8011	9541	1	Si
203	0.069	7.6	0	2259	SLU 30	2259	9541	76908	8011	9541	1	Si
234	0.069	7.6	0	1940	SLU 30	1940	9541	76908	8011	9541	1	Si
265	0.069	7.6	0	1621	SLU 30	1621	9541	76908	8011	9541	1	Si
296	0.069	7.6	0	1301	SLU 30	1301	9541	76908	8011	9541	1	Si
327	0.069	7.6	0	982	SLU 30	982	9541	76908	8011	9541	1	Si
343	0.069	7.6	0	823	SLU 30	823	9541	76908	8011	9541	1	Si
374	0.069	7.6	0	548	SLU 12	548	9541	76908	8011	9541	1	Si
405	0.069	7.6	0	303	SLU 12	303	9541	76908	8011	9541	1	Si
405	0.069	7.6	0	-313	SLU 19	-313	-9541	-76908	-8011	-9541	1	Si
436	0.069	7.6	0	58	SLU 12	58	9541	76908	8011	9541	1	Si
436	0.069	7.6	0	-632	SLU 19	-632	-9541	-76908	-8011	-9541	1	Si
445	0.069	7.6	0	-721	SLU 19	-721	-9541	-76908	-8011	-9541	1	Si
467	0	12.66	0	-951	SLU 19	-951	-11310	-76908	0	-11310	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.58	0	6620	SLV 3	7518	10651	76908	0	10651	1	Si
0	0	11.4	0	-288	SLV 13	-1186	-10922	-76908	0	-10922	1	Si
23	0.069	9.11	0	6443	SLV 3	7341	10133	76908	8011	10133	1	Si
23	0.069	11.4	0	-465	SLV 13	-1363	-10922	-76908	-8011	-10922	1	Si
31	0.069	9.11	0	6374	SLV 3	7272	10133	76908	8011	10133	1	Si
31	0.069	11.4	0	-534	SLV 13	-1432	-10922	-76908	-8011	-10922	1	Si
47	0.069	7.6	0	6252	SLV 3	7150	9541	76908	8011	9541	1	Si
47	0.069	11.4	0	-656	SLV 13	-1554	-10922	-76908	-8011	-10922	1	Si
62	0.069	7.6	0	6129	SLV 3	7027	9541	76908	8011	9541	1	Si
62	0.069	11.4	0	-779	SLV 13	-1677	-10922	-76908	-8011	-10922	1	Si
93	0.069	7.6	0	5884	SLV 3	6782	9541	76908	8011	9541	1	Si
93	0.069	11.18	0	-1024	SLV 13	-1922	-10851	-76908	-8011	-10851	1	Si
125	0.069	7.6	0	5638	SLV 3	6536	9541	76908	8011	9541	1	Si
125	0.069	7.6	0	-1270	SLV 13	-2168	-9541	-76908	-8011	-9541	1	Si
140	0.069	7.6	0	5515	SLV 3	6413	9541	76908	8011	9541	1	Si
140	0.069	7.6	0	-1393	SLV 13	-2291	-9541	-76908	-8011	-9541	1	Si
171	0.069	7.6	0	5270	SLV 3	6168	9541	76908	8011	9541	1	Si
171	0.069	7.6	0	-1638	SLV 13	-2536	-9541	-76908	-8011	-9541	1	Si
203	0.069	7.6	0	5025	SLV 3	5923	9541	76908	8011	9541	1	Si
203	0.069	7.6	0	-1883	SLV 13	-2781	-9541	-76908	-8011	-9541	1	Si
234	0.069	7.6	0	4779	SLV 3	5677	9541	76908	8011	9541	1	Si
234	0.069	7.6	0	-2129	SLV 13	-3027	-9541	-76908	-8011	-9541	1	Si
265	0.069	7.6	0	4534	SLV 3	5432	9541	76908	8011	9541	1	Si
265	0.069	7.6	0	-2374	SLV 13	-3272	-9541	-76908	-8011	-9541	1	Si
296	0.069	7.6	0	4288	SLV 3	5186	9541	76908	8011	9541	1	Si
296	0.069	7.6	0	-2620	SLV 13	-3518	-9541	-76908	-8011	-9541	1	Si
327	0.069	7.6	0	4043	SLV 3	4941	9541	76908	8011	9541	1	Si
327	0.069	7.6	0	-2865	SLV 13	-3763	-9541	-76908	-8011	-9541	1	Si
343	0.069	7.6	0	3920	SLV 3	4818	9541	76908	8011	9541	1	Si
343	0.069	7.6	0	-2988	SLV 13	-3886	-9541	-76908	-8011	-9541	1	Si
374	0.069	7.6	0	3675	SLV 3	4573	9541	76908	8011	9541	1	Si
374	0.069	7.6	0	-3233	SLV 13	-4131	-9541	-76908	-8011	-9541	1	Si
405	0.069	7.6	0	3429	SLV 3	4327	9541	76908	8011	9541	1	Si
405	0.069	7.6	0	-3479	SLV 13	-4377	-9541	-76908	-8011	-9541	1	Si
436	0.069	7.6	0	3184	SLV 3	4082	9541	76908	8011	9541	1	Si
436	0.069	7.6	0	-3724	SLV 13	-4622	-9541	-76908	-8011	-9541	1	Si
445	0.069	7.6	0	3115	SLV 3	4014	9541	76908	8011	9541	1	Si
445	0.069	7.6	0	-3792	SLV 13	-4691	-9541	-76908	-8011	-9541	1	Si
467	0	12.66	0	2938	SLV 3	3836	11310	76908	0	11310	1	Si
467	0	12.66	0	-3970	SLV 13	-4868	-11310	-76908	0	-11310	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.58	0	4694	SLD 3	4694	10651	76908	0	10651	1	Si
23	0.069	9.11	0	4517	SLD 3	4517	10133	76908	8011	10133	1	Si
31	0.069	9.11	0	4449	SLD 3	4449	10133	76908	8011	10133	1	Si
47	0.069	7.6	0	4326	SLD 3	4326	9541	76908	8011	9541	1	Si
62	0.069	7.6	0	4203	SLD 3	4203	9541	76908	8011	9541	1	Si
93	0.069	7.6	0	3958	SLD 3	3958	9541	76908	8011	9541	1	Si
125	0.069	7.6	0	3712	SLD 3	3712	9541	76908	8011	9541	1	Si
140	0.069	7.6	0	3590	SLD 3	3590	9541	76908	8011	9541	1	Si
171	0.069	7.6	0	3344	SLD 3	3344	9541	76908	8011	9541	1	Si
203	0.069	7.6	0	3099	SLD 3	3099	9541	76908	8011	9541	1	Si
234	0.069	7.6	0	2853	SLD 3	2853	9541	76908	8011	9541	1	Si
234	0.069	7.6	0	-203	SLD 13	-203	-9541	-76908	-8011	-9541	1	Si
265	0.069	7.6	0	2608	SLD 3	2608	9541	76908	8011	9541	1	Si
265	0.069	7.6	0	-449	SLD 13	-449	-9541	-76908	-8011	-9541	1	Si
296	0.069	7.6	0	2363	SLD 3	2363	9541	76908	8011	9541	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
296	0.069	7.6	0	-694	SLD 13	-694	-9541	-76908	-8011	-9541	1	Si
327	0.069	7.6	0	2117	SLD 3	2117	9541	76908	8011	9541	1	Si
327	0.069	7.6	0	-940	SLD 13	-940	-9541	-76908	-8011	-9541	1	Si
343	0.069	7.6	0	1994	SLD 3	1994	9541	76908	8011	9541	1	Si
343	0.069	7.6	0	-1062	SLD 13	-1062	-9541	-76908	-8011	-9541	1	Si
374	0.069	7.6	0	1749	SLD 3	1749	9541	76908	8011	9541	1	Si
374	0.069	7.6	0	-1308	SLD 13	-1308	-9541	-76908	-8011	-9541	1	Si
405	0.069	7.6	0	1504	SLD 3	1504	9541	76908	8011	9541	1	Si
405	0.069	7.6	0	-1553	SLD 13	-1553	-9541	-76908	-8011	-9541	1	Si
436	0.069	7.6	0	1258	SLD 3	1258	9541	76908	8011	9541	1	Si
436	0.069	7.6	0	-1799	SLD 13	-1799	-9541	-76908	-8011	-9541	1	Si
445	0.069	7.6	0	1190	SLD 3	1190	9541	76908	8011	9541	1	Si
445	0.069	7.6	0	-1867	SLD 13	-1867	-9541	-76908	-8011	-9541	1	Si
467	0	12.66	0	1013	SLD 3	1013	11310	76908	0	11310	1	Si
467	0	12.66	0	-2044	SLD 13	-2044	-11310	-76908	0	-11310	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-68472	9	-32139	1.1	124.5	47.7	1837	-59571	2	-24191	0.8	93.4	0	+∞	Si
23	10482	1	94644	3.3	124.5	140.5	1837	10482	1	93017	3.2	93.4	0	+∞	Si
31	35283	1	119053	4.1	124.5	176.7	1837	35283	1	116732	4	93.4	0	+∞	Si
62	124958	2	201608	7	124.5	299.4	1837	122469	2	196792	6.9	93.4	0	+∞	Si
93	206999	2	276515	9.8	124.5	411.2	1837	202015	2	269203	9.6	93.4	0	+∞	Si
125	281390	2	344106	12.5	124.5	512.3	1837	273911	2	333965	12.1	93.4	0	+∞	Si
140	315845	3	375105	13.6	124.5	558.5	1837	306991	2	363477	13.2	93.4	0	+∞	Si
171	379241	3	431366	16.4	124.5	719.8	1837	367413	2	416765	15.8	93.4	0	+∞	Si
203	434987	3	479977	11.3	124.5	169.6	1837	420186	2	462403	19.6	93.4	0	+∞	Si
234	483084	3	520940	12.3	124.5	184	1837	465309	2	500391	21.2	93.4	0	+∞	Si
265	523532	3	554252	13.1	124.5	195.8	1837	502783	2	530730	22.4	93.4	0	+∞	Si
296	556330	3	579915	13.7	124.5	204.9	1837	532608	2	553419	23.4	93.4	0	+∞	Si
327	581479	3	597929	14.1	124.5	211.2	1837	554783	2	568460	24	93.4	0	+∞	Si
343	591184	3	604067	14.2	124.5	213.4	1837	563002	2	573111	24.2	93.4	0	+∞	Si
374	604859	3	610607	14.4	124.5	215.7	1837	573702	2	576677	24.4	93.4	0	+∞	Si
405	610884	3	611028	21.4	124.5	822.4	1837	576753	2	576753	20.2	93.4	0	+∞	Si
436	609259	3	611028	20	124.5	689.9	1837	572155	2	576573	18.9	93.4	0	+∞	Si
445	607212	3	611028	20	124.5	689.9	1837	569281	2	575826	18.9	93.4	0	+∞	Si
467	599985	3	599985	19.7	124.5	677.5	1837	559908	2	559908	18.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si
31	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.014	2	0.013	2	9999	Si
62	0.012	0.011	0.011	0.01	0.012	0.011	0.011	0.01	0.011	0.011	0.027	2	0.026	2	9999	Si
93	0.018	0.016	0.016	0.015	0.017	0.016	0.016	0.015	0.017	0.016	0.04	2	0.038	2	9999	Si
125	0.023	0.021	0.021	0.019	0.022	0.021	0.02	0.019	0.022	0.021	0.052	2	0.049	2	9030	Si
140	0.025	0.023	0.023	0.021	0.024	0.023	0.022	0.021	0.024	0.023	0.057	2	0.054	2	8205	Si
171	0.029	0.026	0.026	0.024	0.028	0.026	0.025	0.024	0.028	0.026	0.066	2	0.062	2	7092	Si
203	0.032	0.029	0.029	0.026	0.031	0.029	0.028	0.026	0.03	0.029	0.073	2	0.069	2	6442	Si
234	0.033	0.03	0.03	0.028	0.032	0.03	0.029	0.028	0.032	0.03	0.077	2	0.072	2	6108	Si
265	0.034	0.031	0.031	0.028	0.033	0.031	0.03	0.028	0.032	0.031	0.078	2	0.073	2	6031	Si
296	0.033	0.03	0.03	0.027	0.032	0.03	0.029	0.027	0.031	0.03	0.075	2	0.071	2	6210	Si
327	0.03	0.027	0.028	0.025	0.029	0.027	0.027	0.025	0.029	0.027	0.07	2	0.065	2	6714	Si
343	0.028	0.026	0.026	0.023	0.028	0.026	0.025	0.023	0.027	0.026	0.065	2	0.061	2	7139	Si
374	0.024	0.021	0.022	0.02	0.023	0.021	0.021	0.02	0.023	0.021	0.054	2	0.051	2	8582	Si
405	0.017	0.016	0.016	0.014	0.017	0.016	0.015	0.014	0.017	0.016	0.04	2	0.037	2	9999	Si
436	0.009	0.008	0.009	0.008	0.009	0.008	0.008	0.008	0.009	0.008	0.022	2	0.02	2	9999	Si
445	0.007	0.006	0.006	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.016	2	0.015	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	2989	4352	10133	SLV 3	0.57	2474	1.666	9432	1056460	1422094	SLV 13	0.48	1495	1.355	Si
31	2920	4352	10133	SLV 3	0.57	2474	1.666	9432	1056460	1422094	SLV 13	0.48	1495	1.355	Si
62	2675	4352	9541	SLV 3	0.56	2327	1.625	41268	-1020556	-1323939	SLV 3	0.48	1497	1.356	Si
93	2430	4352	9541	SLV 3	0.57	2474	1.666	127949	-917036	-1149551	SLV 3	0.5	1668	1.418	Si
125	2184	4352	9541	SLV 3	0.57	2474	1.666	206980	-799557	-970824	SLV 3	0.53	1937	1.507	Si
140	2061	4352	9541	SLV 3	0.57	2474	1.666	243627	763114	1422093	SLV 15	0.55	2198	1.588	Si
171	1816	4352	9541	SLV 3	0.57	2474	1.666	311185	661579	1271041	SLV 15	0.52	1860	1.482	Si
203	1571	4352	9541	SLV 3	0.57	2474	1.666	371092	561086	970067	SLV 15	0.39	834	1.067	Si
234	1325	4352	9541	SLV 3	0.57	2474	1.666	423350	461885	970067	SLV 15	0.43	1082	1.187	Si
265	1080	4352	9541	SLV 3	0.57	2474	1.666	467959	364505	970067	SLV 15	0.49	1619	1.4	Si
296	834	4352	9541	SLV 3	0.57	2474	1.666	504918	270482	970067	SLV 15	0.57	2474	1.666	Si
327	589	4352	9541	SLV 3	0.57	2474	1.666	568460	255521	970067	SLV 7	0.56	2304	1.618	Si
343	466	4352	9541	SLV 3	0.57	2474	1.666	573111	274017	970067	SLV 7	0.52	1852	1.48	Si
374	221	4352	9541	SLV 3	0.57	2474	1.666	576677	330719	970067	SLV 3	0.43	1097	1.194	Si
405	-25	-4352	-9541	SLV 13	0.57	2474	1.666	572593	432541	1571785	SLV 3	0.57	2474	1.666	Si
436	-270	-4352	-9541	SLV 13	0.57	2474	1.666	569281	468251	1873491	SLV 3	0.57	2474	1.666	Si
445	-339	-4352	-9541	SLV 13	0.57	2474	1.666	569281	468251	1873491	SLV 3	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	2989	1528	10133	SLD 3	0.6	2474	4.193	9432	467514	1422094	SLD 13	0.41	935	2.814	Si
31	2920	1528	10133	SLD 3	0.6	2474	4.193	9432	467514	1422094	SLD 13	0.41	935	2.814	Si
62	2675	1528	9541	SLD 3	0.59	2474	4.193	41268	-451624	-1323939	SLD 3	0.41	937	2.816	Si
93	2430	1528	9541	SLD 3	0.6	2474	4.193	127949	-405810	-1149551	SLD 3	0.42	1041	2.94	Si
125	2184	1528	9541	SLD 3	0.6	2474	4.193	206980	-353815	-970824	SLD 3	0.45	1210	3.127	Si
140	2061	1528	9541	SLD 3	0.6	2474	4.193	243627	337683	1422093	SLD 15	0.47	1370	3.291	Si
171	1816	1528	9541	SLD 3	0.6	2474	4.193	311185	292739	1271041	SLD 15	0.44	1162	3.076	Si
203	1571	1528	9541	SLD 3	0.6	2474	4.193	371092	248251	970067	SLD 15	0.33	542	2.25	Si
234	1325	1528	9541	SLD 3	0.6	2474	4.193	465309	164034	970067	SLD 15	0.41	979	2.867	Si
265	1080	1528	9541	SLD 3	0.6	2474	4.193	467959	161185	970067	SLD 15	0.42	1012	2.906	Si
296	834	1528	9541	SLD 3	0.6	2474	4.193	504918	119493	970067	SLD 15	0.52	1835	3.71	Si
327	589	1528	9541	SLD 3	0.6	2474	4.193	568460	112885	970067	SLD 7	0.47	1442	3.36	Si
343	466	1528	9541	SLD 3	0.6	2474	4.193	573111	121095	970067	SLD 7	0.44	1161	3.075	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
374	221	1528	9541	SLD 3	0.6	2474	4.193	576677	146055	970067	SLD 3	0.36	707	2.509	Si
405	-25	-1528	-9541	SLD 13	0.6	2474	4.193	572593	191167	1571785	SLD 3	0.6	2474	4.193	Si
436	-270	-1528	-9541	SLD 13	0.6	2474	4.193	569281	206982	1873491	SLD 3	0.6	2474	4.193	Si
445	-339	-1528	-9541	SLD 13	0.6	2474	4.193	569281	206982	1873491	SLD 3	0.6	2474	4.193	Si

Campata 2 tra i fili 4 - 5, sezione R 45x70, asta 983

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	976822	SLU 30	938572	1873491	0.092						Si
20	7.6	5.4	15.21	5.4	907550	SLU 30	906915	1873491	0.092						Si
23	7.6	5.4	15.21	5.4	897830	SLU 30	897830	1873491	0.092						Si
40	7.6	5.4	15.21	5.4	834250	SLU 30	897830	1873491	0.092						Si
59	7.6	5.4	15.21	5.4	756924	SLU 30	868856	1873491	0.092						Si
79	7.6	5.4	15.21	5.4	675570	SLU 30	793405	1873491	0.092						Si
89	7.6	5.4	14.57	5.4	633383	SLU 30	754169	1798309	0.091						Si
109	7.6	5.4	11.9	5.4	545989	SLU 30	672677	1481131	0.085						Si
119	7.6	5.4	7.6	5.4	500782	SLU 30	630421	970067	0.076						Si
129	7.6	5.4	7.6	5.4	454568	SLU 30	587159	970067	0.076						Si
149	7.6	5.4	7.6	5.4	359401	SLU 36	497613	970067	0.076						Si
169	7.6	5.4	7.6	5.4	263405	SLU 36	404040	970067	0.076						Si
188	7.6	5.4	7.6	5.4	163382	SLU 36	308580	970067	0.076	107121	SLU 1	-8103	-970067	0.076	Si
208	11.01	5.4	7.6	5.4	64109	SLU 35	210433	970770	0.078	31542	SLU 2	-118363	-1375717	0.083	Si
228	16.06	5.4	7.6	5.4	-23369	SLU 8	108455	971319	0.079	-65125	SLU 29	-235561	-1975282	0.094	Si
238	17.93	5.4	11.79	5.4	-60955	SLU 8	60775	1467879	0.084	-122282	SLU 29	-295670	-2196336	0.095	Si
258	21.19	5.4	14.46	5.4						-239618	SLU 29	-344528	-2581717	0.098	Si
275	22.81	5.4	15.21	5.4						-344528	SLU 29	-344528	-2773116	0.1	Si
278	22.81	5.4	15.21	5.4						-360981	SLU 29	-360065	-2773116	0.1	Si
297	22.81	5.4	15.21	5.4						-486371	SLU 29	-414203	-2773116	0.1	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	1623657	SLV 15	1539499	1873491	0.092	-261767	SLV 1	-228886	-971252	0.079	Si
20	7.6	5.4	15.21	5.4	1473565	SLV 15	1472349	1873491	0.092	-204904	SLV 1	-204558	-971252	0.079	Si
23	7.6	5.4	15.21	5.4	1453078	SLV 15	1453078	1873491	0.092	-197577	SLV 1	-197577	-971252	0.079	Si
40	7.6	5.4	15.21	5.4	1320430	SLV 15	1453078	1873491	0.092	-151194	SLV 1	-197577	-971252	0.079	Si
59	7.6	5.4	15.21	5.4	1164269	SLV 15	1392101	1873491	0.092	-100653	SLV 1	-175840	-971252	0.079	Si
79	7.6	5.4	15.21	5.4	1005105	SLV 15	1237347	1873491	0.092	-53304	SLV 1	-123820	-971252	0.079	Si
89	7.6	5.4	14.57	5.4	924408	SLV 15	1158837	1798309	0.091	-30839	SLV 1	-99002	-971191	0.079	Si
109	7.6	5.4	11.9	5.4	760821	SLV 15	999571	1481131	0.085	11640	SLV 1	-51764	-970892	0.078	Si
119	7.6	5.4	7.6	5.4	677953	SLV 15	918824	970067	0.076	31630	SLV 1	-29354	-970067	0.076	Si
129	7.6	5.4	7.6	5.4	594395	SLV 15	837344	970067	0.076	50762	SLV 1	-7759	-970067	0.076	Si
149	7.6	5.4	7.6	5.4	435758	SLV 11	672223	970067	0.076						Si
169	7.6	5.4	7.6	5.4	320121	SLV 11	504370	970067	0.076	51841	SLV 5	-67164	-970067	0.076	Si
188	7.6	5.4	7.6	5.4	242305	SLV 7	373888	970067	0.076	-16234	SLV 9	-237637	-970067	0.076	Si
208	11.01	5.4	7.6	5.4	231575	SLV 3	271400	970770	0.078	-157590	SLV 13	-412938	-1375717	0.083	Si
228	16.06	5.4	7.6	5.4	246363	SLV 3	265618	971319	0.079	-330659	SLV 13	-593154	-1975282	0.094	Si
238	17.93	5.4	11.79	5.4	253235	SLV 3	271585	1467879	0.084	-418995	SLV 13	-685125	-2196336	0.095	Si
258	21.19	5.4	14.46	5.4	266047	SLV 3	276092	1784298	0.087	-599381	SLV 13	-759624	-2581717	0.098	Si
275	22.81	5.4	15.21	5.4	276092	SLV 3	276092	1872416	0.087	-759624	SLV 13	-759624	-2773116	0.1	Si
278	22.81	5.4	15.21	5.4	277600	SLV 3	276387	1872416	0.087	-784705	SLV 13	-782185	-2773116	0.1	Si
297	22.81	5.4	15.21	5.4	287608	SLV 3	277415	1872416	0.087	-974678	SLV 13	-860799	-2773116	0.1	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	1098097	SLD 15	1046564	1873491	0.092						Si
20	7.6	5.4	15.21	5.4	1005694	SLD 15	1004913	1873491	0.092						Si
23	7.6	5.4	15.21	5.4	992960	SLD 15	992960	1873491	0.092						Si
40	7.6	5.4	15.21	5.4	910217	SLD 15	992960	1873491	0.092						Si
59	7.6	5.4	15.21	5.4	811674	SLD 15	955039	1873491	0.092						Si
79	7.6	5.4	15.21	5.4	710075	SLD 15	857923	1873491	0.092						Si
89	7.6	5.4	14.57	5.4	658134	SLD 15	808216	1798309	0.091						Si
109	7.6	5.4	11.9	5.4	551987	SLD 15	706513	1481131	0.085						Si
119	7.6	5.4	7.6	5.4	497790	SLD 15	654521	970067	0.076						Si
129	7.6	5.4	7.6	5.4	442856	SLD 15	601772	970067	0.076						Si
149	7.6	5.4	7.6	5.4	335434	SLD 11	494023	970067	0.076						Si
169	7.6	5.4	7.6	5.4	245328	SLD 11	383337	970067	0.076						Si
188	7.6	5.4	7.6	5.4	170237	SLD 7	287455	970067	0.076	55835	SLD 9	-104883	-970067	0.076	Si
208	11.01	5.4	7.6	5.4	123099	SLD 3	202244	970770	0.078	-49113	SLD 13	-227381	-1375717	0.083	Si
228	16.06	5.4	7.6	5.4	85525	SLD 3	139783	971319	0.079	-169821	SLD 13	-353778	-1975282	0.094	Si
238	17.93	5.4	11.79	5.4	65859	SLD 3	121831	1467879	0.084	-231619	SLD 13	-418449	-2196336	0.095	Si
258	21.19	5.4	14.46	5.4	24816	SLD 3	84177	1784298	0.087	-358150	SLD 13	-470924	-2581717	0.098	Si
275	22.81	5.4	15.21	5.4	-12608	SLD 3	49675	1872416	0.087	-470924	SLD 13	-470924	-2773116	0.1	Si
278	22.81	5.4	15.21	5.4						-488592	SLD 13	-487115	-2773116	0.1	Si
297	22.81	5.4	15.21	5.4						-622818	SLD 13	-543532	-2773116	0.1	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	-3391	SLU 30	-3391	-12021	-76908	0	-12021	1	Si
20	0	14.57	0	-3594	SLU 30	-3594	-11852	-76908	0	-11852	1	Si
23	0.086	14.57	0	-3622	SLU 30	-3622	-11852	-76908	-10004	-11852	1	Si
40	0.086	11.9	0	-3797	SLU 30	-3797	-11078	-76908	-10004	-11078	1	Si
59	0.086	7.6	0	-4000	SLU 30	-4000	-9541	-76908	-10004	-10004	1	Si
79	0.086	7.6	0	-4203	SLU 30	-4203	-9541	-76908	-10004	-10004	1	Si
89	0.086	7.6	0	-4305	SLU 30	-4305	-9541	-76908	-10004	-10004	1	Si
109	0.098	7.6	0	-4508	SLU 30	-4508	-9541	-76908	-11412	-11412	1	Si
129	0.098	7.6	0	-4711	SLU 30	-4711	-9541	-76908	-11412	-11412	1	Si
149	0.098	7.6	0	-4914	SLU 30	-4914	-9541	-76908	-11412	-11412	1	Si
169	0.098	11.79	0	-5117	SLU 30	-5117	-11044	-76908	-11412	-11412	1	Si
188	0.098	7.6	0	-5320	SLU 30	-5320	-9541	-76908	-11412	-11412	1	Si
208	0.101	7.6	0	-5523	SLU 30	-5523	-9541	-76908	-11671	-11671	1	Si
228	0.101	7.6	0	-5726	SLU 30	-5726	-9541	-76908	-11671	-11671	1	Si
238	0.101	7.6	0	-5828	SLU 30	-5828	-9541	-76908	-11671	-11671	1	Si
258	0.101	7.6	0	-6031	SLU 30	-6031	-9541	-76908	-11671	-11671	1	Si
275	0.101	11.01	0	-6207	SLU 30	-6207	-10796	-76908	-11671	-11671	1	Si
278	0	11.01	0	-6234	SLU 30	-6234	-10796	-76908	0	-10796	1	Si
297	0	16.06	0	-6437	SLU 30	-6437	-12243	-76908	0	-12243	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2960	SLV 1	4321	9541	76908	0	9541	1	Si
0	0	15.21	0	-7505	SLV 15	-8865	-12021	-76908	0	-12021	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
20	0	7.6	0	2804	SLV 1	4165	9541	76908	0	9541	1	Si
20	0	14.57	0	-7661	SLV 15	-9021	-11852	-76908	0	-11852	1	Si
23	0.086	7.6	0	2783	SLV 1	4144	9541	76908	10004	10004	1	Si
23	0.086	14.57	0	-7682	SLV 15	-9042	-11852	-76908	-10004	-11852	1	Si
40	0.086	7.6	0	2648	SLV 1	4008	9541	76908	10004	10004	1	Si
40	0.086	11.9	0	-7817	SLV 15	-9178	-11078	-76908	-10004	-11078	1	Si
59	0.086	7.6	0	2492	SLV 1	3852	9541	76908	10004	10004	1	Si
59	0.086	7.6	0	-7973	SLV 15	-9334	-9541	-76908	-10004	-10004	1	Si
79	0.086	7.6	0	2335	SLV 1	3696	9541	76908	10004	10004	1	Si
79	0.086	7.6	0	-8129	SLV 15	-9490	-9541	-76908	-10004	-10004	1	Si
89	0.086	7.6	0	2257	SLV 1	3618	9541	76908	10004	10004	1	Si
89	0.086	7.6	0	-8208	SLV 15	-9568	-9541	-76908	-10004	-10004	1	Si
109	0.098	7.6	0	2101	SLV 1	3462	9541	76908	11412	11412	1	Si
109	0.098	7.6	0	-8364	SLV 15	-9724	-9541	-76908	-11412	-11412	1	Si
129	0.098	7.6	0	1945	SLV 1	3305	9541	76908	11412	11412	1	Si
129	0.098	7.6	0	-8520	SLV 15	-9880	-9541	-76908	-11412	-11412	1	Si
149	0.098	7.6	0	1789	SLV 1	3149	9541	76908	11412	11412	1	Si
149	0.098	7.6	0	-8676	SLV 15	-10037	-9541	-76908	-11412	-11412	1	Si
169	0.098	11.79	0	1633	SLV 1	2993	11044	76908	11412	11412	1	Si
169	0.098	11.79	0	-8832	SLV 15	-10193	-11044	-76908	-11412	-11412	1	Si
188	0.098	7.6	0	1476	SLV 1	2837	9541	76908	11412	11412	1	Si
188	0.098	7.6	0	-8988	SLV 15	-10349	-9541	-76908	-11412	-11412	1	Si
208	0.101	7.6	0	1320	SLV 1	2681	9541	76908	11671	11671	1	Si
208	0.101	7.6	0	-9145	SLV 15	-10505	-9541	-76908	-11671	-11671	1	Si
228	0.101	7.6	0	1164	SLV 1	2525	9541	76908	11671	11671	1	Si
228	0.101	7.6	0	-9301	SLV 15	-10661	-9541	-76908	-11671	-11671	1	Si
238	0.101	7.6	0	1086	SLV 1	2446	9541	76908	11671	11671	1	Si
238	0.101	7.6	0	-9379	SLV 15	-10739	-9541	-76908	-11671	-11671	1	Si
258	0.101	7.6	0	930	SLV 1	2290	9541	76908	11671	11671	1	Si
258	0.101	7.6	0	-9535	SLV 15	-10896	-9541	-76908	-11671	-11671	1	Si
275	0.101	7.6	0	795	SLV 1	2155	9541	76908	11671	11671	1	Si
275	0.101	11.01	0	-9670	SLV 15	-11031	-10796	-76908	-11671	-11671	1	Si
278	0	7.6	0	774	SLV 1	2134	9541	76908	0	9541	1	Si
278	0	11.01	0	-9691	SLV 15	-11052	-10796	-76908	0	-10796	1	Si
297	0	7.6	0	617	SLV 1	1978	9541	76908	0	9541	1	Si
297	0	16.06	0	-9848	SLV 15	-11208	-12243	-76908	0	-12243	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	43	SLD 1	43	12021	76908	0	12021	1	Si
0	0	15.21	0	-4588	SLD 15	-4588	-12021	-76908	0	-12021	1	Si
20	0	14.57	0	-4744	SLD 15	-4744	-11852	-76908	0	-11852	1	Si
23	0.086	14.57	0	-4765	SLD 15	-4765	-11852	-76908	-10004	-11852	1	Si
40	0.086	11.9	0	-4900	SLD 15	-4900	-11078	-76908	-10004	-11078	1	Si
59	0.086	7.6	0	-5056	SLD 15	-5056	-9541	-76908	-10004	-10004	1	Si
79	0.086	7.6	0	-5212	SLD 15	-5212	-9541	-76908	-10004	-10004	1	Si
89	0.086	7.6	0	-5290	SLD 15	-5290	-9541	-76908	-10004	-10004	1	Si
109	0.098	7.6	0	-5447	SLD 15	-5447	-9541	-76908	-11412	-11412	1	Si
129	0.098	7.6	0	-5603	SLD 15	-5603	-9541	-76908	-11412	-11412	1	Si
149	0.098	7.6	0	-5759	SLD 15	-5759	-9541	-76908	-11412	-11412	1	Si
169	0.098	11.79	0	-5915	SLD 15	-5915	-11044	-76908	-11412	-11412	1	Si
188	0.098	7.6	0	-6071	SLD 15	-6071	-9541	-76908	-11412	-11412	1	Si
208	0.101	7.6	0	-6228	SLD 15	-6228	-9541	-76908	-11671	-11671	1	Si
228	0.101	7.6	0	-6384	SLD 15	-6384	-9541	-76908	-11671	-11671	1	Si
238	0.101	7.6	0	-6462	SLD 15	-6462	-9541	-76908	-11671	-11671	1	Si
258	0.101	7.6	0	-6618	SLD 15	-6618	-9541	-76908	-11671	-11671	1	Si
275	0.101	11.01	0	-6753	SLD 15	-6753	-10796	-76908	-11671	-11671	1	Si
278	0	11.01	0	-6774	SLD 15	-6774	-10796	-76908	0	-10796	1	Si
297	0	16.06	0	-6930	SLD 15	-6930	-12243	-76908	0	-12243	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	721920	3	694057	22.8	124.5	783.7	1837	680945	2	655306	21.5	93.4	0	+∞	Si
20	671385	3	670918	22	124.5	757.6	1837	634330	2	633895	20.8	93.4	0	+∞	Si
23	664278	3	664278	21.8	124.5	750.1	1837	627751	2	627751	20.6	93.4	0	+∞	Si
40	617752	3	664278	21.8	124.5	750.1	1837	584618	2	627751	20.6	93.4	0	+∞	Si
59	561021	3	643090	21.1	124.5	726.1	1837	531808	2	608131	19.9	93.4	0	+∞	Si
79	501192	3	587802	19.3	124.5	663.7	1837	475900	2	556763	18.3	93.4	0	+∞	Si
89	470117	3	558996	18.6	124.5	657.5	1837	446785	2	529918	17.6	93.4	0	+∞	Si
109	405642	3	499062	17.8	124.5	713.1	1837	386230	2	473904	16.9	93.4	0	+∞	Si
129	338069	3	436029	10.3	124.5	154	1837	322578	2	414792	17.5	93.4	0	+∞	Si
149	267586	9	369899	8.7	124.5	130.7	1837	255828	2	352583	14.9	93.4	0	+∞	Si
169	196137	9	300671	7.1	124.5	106.2	1837	185981	2	287275	12.1	93.4	0	+∞	Si
188	121591	9	229773	5.4	124.5	81.2	1837	113036	2	218871	9.3	93.4	0	+∞	Si
208	47132	8	156669	3.5	124.5	54.4	1837	39722	1	147368	5.9	93.4	0	+∞	Si
228	-47714	2	-174826	5.6	124.5	187.3	1837	-42148	2	-163768	5.3	93.4	0	+∞	Si
238	-90319	2	-219701	6.4	124.5	210.7	1837	-82880	2	-206770	6.1	93.4	0	+∞	Si
258	-177853	2	-256195	6.9	124.5	208.8	1837	-166667	2	-241766	6.5	93.4	0	+∞	Si
275	-256195	2	-256195	6.7	124.5	194.4	1837	-241766	2	-241766	6.3	93.4	0	+∞	Si
278	-268485	2	-267802	7	124.5	203.2	1837	-253552	2	-252899	6.6	93.4	0	+∞	Si
297	-362214	2	-308246	8	124.5	233.9	1837	-343535	2	-291692	7.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
23	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
40	0.005	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
59	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.015	2	0.014	2	9999	Si
79	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.017	2	0.016	2	9999	Si
89	0.008	0.007	0.007	0.007	0.008	0.007	0.007	0.007	0.008	0.007	0.018	2	0.017	2	9999	Si
109	0.008	0.008	0.008	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.019	2	0.017	2	9999	Si
129	0.008	0.007	0.007	0.007	0.008	0.007	0.007	0.007	0.008	0.007	0.018	2	0.017	2	9999	Si
149	0.008	0.007	0.007	0.006	0.007	0.007	0.007	0.006	0.007	0.007	0.017	2	0.016	2	9999	Si
169	0.007	0.006	0.006	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.015	2	0.014	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
188	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.013	2	0.012	2	9999	Si
208	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.01	2	9999	Si
228	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.008	2	0.007	2	9999	Si
238	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
258	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.004	2	0.004	2	9999	Si
275	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
278	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-2449	-6593	-11852	SLV 15	0.51	1776	1.455	627751	825327	1873491	SLV 15	0.54	2067	1.548	Si
40	-2585	-6593	-11078	SLV 15	0.46	1354	1.302	627751	825327	1873491	SLV 15	0.54	2067	1.548	Si
59	-2741	-6593	-10004	SLV 15	0.4	901	1.101	608131	783970	1873491	SLV 15	0.57	2473	1.666	Si
79	-2897	-6593	-10004	SLV 15	0.39	854	1.077	556763	680583	1873491	SLV 15	0.57	2474	1.666	Si
89	-2975	-6593	-10004	SLV 15	0.39	832	1.066	529918	628919	1798309	SLV 15	0.57	2474	1.666	Si
109	-3131	-6593	-11412	SLV 15	0.45	1266	1.266	473904	525668	1481131	SLV 15	0.57	2474	1.666	Si
129	-3287	-6593	-11412	SLV 15	0.44	1204	1.24	414792	422551	970067	SLV 15	0.47	1427	1.33	Si
149	-3444	-6593	-11412	SLV 15	0.44	1144	1.215	352583	319641	970067	SLV 15	0.57	2474	1.666	Si
169	-3600	-6593	-11412	SLV 15	0.43	1085	1.189	287275	217094	970067	SLV 15	0.57	2474	1.666	Si
188	-3756	-6593	-11412	SLV 15	0.42	1029	1.163	496	238134	970067	SLV 3	0.57	2474	1.666	Si
208	-3912	-6593	-11671	SLV 15	0.43	1066	1.18	-80087	332851	970770	SLV 3	0.57	2474	1.666	Si
228	-4068	-6593	-11671	SLV 15	0.42	1010	1.154	-163768	429386	971319	SLV 3	0.57	2474	1.666	Si
238	-4146	-6593	-11671	SLV 15	0.41	983	1.141	-206770	478355	1467879	SLV 3	0.57	2474	1.666	Si
258	-4303	-6593	-11671	SLV 15	0.4	933	1.117	-241766	517858	1784298	SLV 3	0.57	2474	1.666	Si
275	-4438	-6593	-11671	SLV 15	0.4	892	1.097	-241766	517858	1872416	SLV 3	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-2449	-2315	-11852	SLD 15	0.54	2054	3.885	627751	365209	1873491	SLD 15	0.46	1289	3.209	Si
40	-2585	-2315	-11078	SLD 15	0.49	1565	3.475	627751	365209	1873491	SLD 15	0.46	1289	3.209	Si
59	-2741	-2315	-10004	SLD 15	0.42	1031	2.929	608131	346909	1873491	SLD 15	0.49	1541	3.453	Si
79	-2897	-2315	-10004	SLD 15	0.41	973	2.86	556763	301160	1873491	SLD 15	0.58	2474	4.193	Si
89	-2975	-2315	-10004	SLD 15	0.41	947	2.828	529918	278299	1798309	SLD 15	0.6	2474	4.193	Si
109	-3131	-2315	-11412	SLD 15	0.48	1463	3.38	473904	232609	1481131	SLD 15	0.57	2439	4.169	Si
129	-3287	-2315	-11412	SLD 15	0.47	1390	3.31	414792	186980	970067	SLD 15	0.4	897	2.766	Si
149	-3444	-2315	-11412	SLD 15	0.46	1321	3.242	352583	141441	970067	SLD 15	0.57	2474	4.193	Si
169	-3600	-2315	-11412	SLD 15	0.45	1254	3.173	287275	96062	970067	SLD 15	0.6	2474	4.193	Si
188	-3756	-2315	-11412	SLD 15	0.44	1188	3.104	496	105379	970067	SLD 3	0.6	2474	4.193	Si
208	-3912	-2315	-11671	SLD 15	0.45	1231	3.149	-80087	147294	970770	SLD 3	0.6	2474	4.193	Si
228	-4068	-2315	-11671	SLD 15	0.44	1166	3.08	-163768	190010	971319	SLD 3	0.6	2474	4.193	Si
238	-4146	-2315	-11671	SLD 15	0.44	1135	3.046	-206770	211678	1467879	SLD 3	0.6	2474	4.193	Si
258	-4303	-2315	-11671	SLD 15	0.43	1072	2.976	-241766	229158	1784298	SLD 3	0.6	2474	4.193	Si
275	-4438	-2315	-11671	SLD 15	0.42	1020	2.916	-241766	229158	1872416	SLD 3	0.6	2474	4.193	Si

Campata 3 tra i fili 5 - 6, sezione R 45x70, asta 984

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4						-325074	SLU 30	-302448	-2773116	0.1	Si
19	22.81	5.4	15.21	5.4						-288225	SLU 30	-287833	-2773116	0.1	Si
23	22.81	5.4	15.21	5.4						-282307	SLU 30	-282307	-2773116	0.1	Si
38	21.32	5.4	15.21	5.4						-255137	SLU 30	-282307	-2596525	0.098	Si
57	19.51	5.4	15.21	5.4						-225809	SLU 30	-271779	-2382584	0.095	Si
77	15.21	5.4	15.21	5.4						-200242	SLU 30	-240508	-1872764	0.089	Si
86	15.21	5.4	14.44	5.4						-188869	SLU 30	-226283	-1872814	0.089	Si
105	15.21	5.4	11.86	5.4						-168944	SLU 30	-200653	-1873026	0.09	Si
125	15.21	5.4	7.6	5.4						-152779	SLU 30	-178785	-1873491	0.092	Si
144	15.21	5.4	7.6	5.4						-140376	SLU 30	-160677	-1873491	0.092	Si
163	15.21	5.4	7.6	5.4						-132030	SLU 29	-146330	-1873491	0.092	Si
182	15.21	5.4	7.6	5.4						-127447	SLU 29	-135887	-1873491	0.092	Si
201	15.21	5.4	7.6	5.4						-126625	SLU 29	-132572	-1873491	0.092	Si
220	15.21	5.4	11.86	5.4						-129564	SLU 29	-141215	-1873026	0.09	Si
230	15.21	5.4	13.15	5.4						-132444	SLU 29	-147499	-1872893	0.089	Si
249	15.21	5.4	15.21	5.4						-141024	SLU 29	-152313	-1872764	0.089	Si
265	15.21	5.4	15.21	5.4						-152313	SLU 20	-152313	-1872764	0.089	Si
268	15.21	5.4	15.21	5.4						-155019	SLU 20	-154865	-1872764	0.089	Si
287	15.21	5.4	15.21	5.4						-173401	SLU 20	-161615	-1872764	0.089	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4	1904135	SLV 13	1774651	1872416	0.087	-2335355	SLV 3	-2173906	-2773116	0.1	Si
19	22.81	5.4	15.21	5.4	1682025	SLV 13	1679137	1872416	0.087	-2061401	SLV 3	-2057972	-2773116	0.1	Si
23	22.81	5.4	15.21	5.4	1643027	SLV 13	1643027	1872416	0.087	-2014141	SLV 3	-2014141	-2773116	0.1	Si
38	21.32	5.4	15.21	5.4	1457078	SLV 13	1643027	1872475	0.087	-1790396	SLV 3	-2014141	-2596525	0.098	Si
57	19.51	5.4	15.21	5.4	1229321	SLV 13	1573648	1872524	0.088	-1522368	SLV 3	-1930065	-2382584	0.095	Si
77	15.21	5.4	15.21	5.4	998807	SLV 13	1347339	1872764	0.089	-1257368	SLV 3	-1660495	-1872764	0.089	Si
86	15.21	5.4	14.44	5.4	882545	SLV 13	1233135	1781706	0.088	-1126032	SLV 3	-1526830	-1872814	0.089	Si
105	15.21	5.4	11.86	5.4	648120	SLV 13	1002667	1475682	0.084	-865801	SLV 3	-1261780	-1873026	0.09	Si
125	15.21	5.4	7.6	5.4	411502	SLV 15	769542	971252	0.079	-609162	SLV 1	-999858	-1873491	0.092	Si
144	15.21	5.4	7.6	5.4	173795	SLV 15	533988	971252	0.079	-357219	SLV 1	-741293	-1873491	0.092	Si
163	15.21	5.4	7.6	5.4	-24798	SLV 11	296620	971252	0.079	-150178	SLV 5	-486701	-1873491	0.092	Si
182	15.21	5.4	7.6	5.4	163488	SLV 3	531423	971252	0.079	-335801	SLV 13	-710762	-1873491	0.092	Si
201	15.21	5.4	7.6	5.4	406192	SLV 3	772405	971252	0.079	-581628	SLV 13	-963643	-1873491	0.092	Si
220	15.21	5.4	11.86	5.4	648165	SLV 3	1011026	1475682	0.084	-832509	SLV 13	-1219948	-1873026	0.09	Si
230	15.21	5.4	13.15	5.4	768410	SLV 3	1129360	1628697	0.086	-959378	SLV 13	-1349294	-1872893	0.089	Si
249	15.21	5.4	15.21	5.4	1007074	SLV 3	1202179	1872764	0.089	-1215630	SLV 13	-1429792	-1872764	0.089	Si
265	15.21	5.4	15.21	5.4	1202179	SLV 3	1202179	1872764	0.089	-1429792	SLV 13	-1429792	-1872764	0.089	Si
268	15.21	5.4	15.21	5.4	1243111	SLV 3	1240116	1872764	0.089	-1475041	SLV 13	-1471797	-1872764	0.089	Si
287	15.21	5.4	15.21	5.4	1476405	SLV 3	1340460	1872764	0.089	-1737493	SLV 13	-1582900	-1872764	0.089	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4	722452	SLD 13	674059	1872416	0.087	-1153671	SLD 3	-1073314	-2773116	0.1	Si
19	22.81	5.4	15.21	5.4	638609	SLD 13	637482	1872416	0.087	-1017986	SLD 3	-1016317	-2773116	0.1	Si
23	22.81	5.4	15.21	5.4	623654	SLD 13	623654	1872416	0.087	-994768	SLD 3	-994768	-2773116	0.1	Si
38	21.32	5.4	15.21	5.4	551899	SLD 13	623654	1872475	0.087	-885217	SLD 3	-994768	-2596525	0.098	Si
57	19.51	5.4	15.21	5.4	462333	SLD 13	597048	1872524	0.088	-755379	SLD 3	-953465	-2382584	0.095	Si
77	15.21	5.4	15.21	5.4	369933	SLD 13	508955	1872764	0.089	-628494	SLD 3	-822111	-1872764	0.089	Si
86	15.21	5.4	14.44	5.4	322683	SLD 13	463840	1781706	0.088	-566171	SLD 3	-757535	-1872814	0.089	Si
105	15.21	5.4	11.86	5.4	226133	SLD 13	371487	1475682	0.084	-443814	SLD 3	-630600	-1873026	0.09	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
125	15.21	5.4	7.6	5.4	126999	SLD 15	276346	971252	0.079	-324659	SLD 1	-506662	-1873491	0.092	Si
144	15.21	5.4	7.6	5.4	25768	SLD 15	178516	971252	0.079	-209192	SLD 1	-385822	-1873491	0.092	Si
163	15.21	5.4	7.6	5.4	-59804	SLD 11	79524	971252	0.079	-115171	SLD 5	-268351	-1873491	0.092	Si
182	15.21	5.4	7.6	5.4	24310	SLD 3	185183	971252	0.079	-196623	SLD 13	-364523	-1873491	0.092	Si
201	15.21	5.4	7.6	5.4	130850	SLD 3	288513	971252	0.079	-306286	SLD 13	-479750	-1873491	0.092	Si
220	15.21	5.4	11.86	5.4	235452	SLD 3	389184	1475682	0.084	-419796	SLD 13	-598106	-1873026	0.09	Si
230	15.21	5.4	13.15	5.4	286820	SLD 3	438482	1628697	0.086	-477788	SLD 13	-658416	-1872893	0.089	Si
249	15.21	5.4	15.21	5.4	387537	SLD 3	468567	1872764	0.089	-596093	SLD 13	-696180	-1872764	0.089	Si
265	15.21	5.4	15.21	5.4	468567	SLD 3	468567	1872764	0.089	-696180	SLD 13	-696180	-1872764	0.089	Si
268	15.21	5.4	15.21	5.4	485478	SLD 3	484222	1872764	0.089	-717407	SLD 13	-715902	-1872764	0.089	Si
287	15.21	5.4	15.21	5.4	580592	SLD 3	525629	1872764	0.089	-841681	SLD 13	-768068	-1872764	0.089	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.61	0	2021	SLU 30	2021	12857	76908	0	12857	1	Si
10	0	15.21	0	1923	SLU 30	1923	12021	76908	0	12021	1	Si
19	0	15.21	0	1824	SLU 30	1824	12021	76908	0	12021	1	Si
23	0.158	15.21	0	1790	SLU 30	1790	12021	76908	18340	18340	1	Si
38	0.158	15.21	0	1628	SLU 30	1628	12021	76908	18340	18340	1	Si
57	0.158	15.21	0	1432	SLU 30	1432	12021	76908	18340	18340	1	Si
77	0.158	15.21	0	1236	SLU 30	1236	12021	76908	18340	18340	1	Si
86	0.158	15.21	0	1138	SLU 30	1138	12021	76908	18340	18340	1	Si
105	0.147	15.21	0	941	SLU 30	941	12021	76908	17079	17079	1	Si
125	0.147	15.21	0	745	SLU 30	745	12021	76908	17079	17079	1	Si
144	0.147	15.21	0	549	SLU 30	549	12021	76908	17079	17079	1	Si
163	0.147	15.21	0	389	SLU 12	389	12021	76908	17079	17079	1	Si
163	0.147	15.21	0	-21	SLU 19	-21	-12021	-76908	-17079	-17079	1	Si
182	0.147	15.21	0	238	SLU 12	238	12021	76908	17079	17079	1	Si
182	0.147	15.21	0	-217	SLU 19	-217	-12021	-76908	-17079	-17079	1	Si
201	0.158	15.21	0	87	SLU 12	87	12021	76908	18340	18340	1	Si
201	0.158	15.21	0	-413	SLU 19	-413	-12021	-76908	-18340	-18340	1	Si
220	0.158	15.21	0	-610	SLU 19	-610	-12021	-76908	-18340	-18340	1	Si
230	0.158	15.21	0	-708	SLU 19	-708	-12021	-76908	-18340	-18340	1	Si
249	0.158	15.21	0	-904	SLU 19	-904	-12021	-76908	-18340	-18340	1	Si
265	0.158	15.21	0	-1066	SLU 19	-1066	-12021	-76908	-18340	-18340	1	Si
268	0	15.21	0	-1100	SLU 19	-1100	-12021	-76908	0	-12021	1	Si
287	0	15.21	0	-1296	SLU 19	-1296	-12021	-76908	0	-12021	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.61	0	14379	SLV 3	17746	12857	76908	0	12857	1	Si
0	0	15.21	0	-11523	SLV 13	-14890	-12021	-76908	0	-12021	1	Si
19	0	15.21	0	14228	SLV 3	17595	12021	76908	0	12021	1	Si
19	0	14.44	0	-11674	SLV 13	-15041	-11815	-76908	0	-11815	1	Si
23	0.158	15.21	0	14201	SLV 3	17569	12021	76908	18340	18340	1	Si
23	0.158	14.44	0	-11700	SLV 13	-15067	-11815	-76908	-18340	-18340	1	Si
38	0.158	15.21	0	14077	SLV 3	17444	12021	76908	18340	18340	1	Si
38	0.158	11.86	0	-11825	SLV 13	-15192	-11064	-76908	-18340	-18340	1	Si
57	0.158	15.21	0	13926	SLV 3	17293	12021	76908	18340	18340	1	Si
57	0.158	7.6	0	-11976	SLV 13	-15343	-9541	-76908	-18340	-18340	1	Si
77	0.158	15.21	0	13775	SLV 3	17142	12021	76908	18340	18340	1	Si
77	0.158	7.6	0	-12126	SLV 13	-15494	-9541	-76908	-18340	-18340	1	Si
86	0.158	15.21	0	13699	SLV 3	17066	12021	76908	18340	18340	1	Si
86	0.158	7.6	0	-12202	SLV 13	-15569	-9541	-76908	-18340	-18340	1	Si
105	0.147	15.21	0	13548	SLV 3	16916	12021	76908	17079	17079	1	Si
105	0.147	7.6	0	-12353	SLV 13	-15720	-9541	-76908	-17079	-17079	1	Si
125	0.147	15.21	0	13397	SLV 3	16765	12021	76908	17079	17079	1	Si
125	0.147	7.6	0	-12504	SLV 13	-15871	-9541	-76908	-17079	-17079	1	Si
144	0.147	15.21	0	13247	SLV 3	16614	12021	76908	17079	17079	1	Si
144	0.147	7.6	0	-12655	SLV 13	-16022	-9541	-76908	-17079	-17079	1	Si
163	0.147	15.21	0	13096	SLV 3	16463	12021	76908	17079	17079	1	Si
163	0.147	15.21	0	-12806	SLV 13	-16173	-12021	-76908	-17079	-17079	1	Si
182	0.147	7.6	0	12945	SLV 3	16312	9541	76908	17079	17079	1	Si
182	0.147	15.21	0	-12957	SLV 13	-16324	-12021	-76908	-17079	-17079	1	Si
201	0.158	7.6	0	12794	SLV 3	16161	9541	76908	18340	18340	1	Si
201	0.158	15.21	0	-13108	SLV 13	-16475	-12021	-76908	-18340	-18340	1	Si
220	0.158	7.6	0	12643	SLV 3	16010	9541	76908	18340	18340	1	Si
220	0.158	15.21	0	-13258	SLV 13	-16626	-12021	-76908	-18340	-18340	1	Si
230	0.158	7.6	0	12567	SLV 3	15934	9541	76908	18340	18340	1	Si
230	0.158	15.21	0	-13334	SLV 13	-16701	-12021	-76908	-18340	-18340	1	Si
249	0.158	7.6	0	12416	SLV 3	15784	9541	76908	18340	18340	1	Si
249	0.158	15.21	0	-13485	SLV 13	-16852	-12021	-76908	-18340	-18340	1	Si
265	0.158	7.6	0	12292	SLV 3	15659	9541	76908	18340	18340	1	Si
265	0.158	15.21	0	-13610	SLV 13	-16977	-12021	-76908	-18340	-18340	1	Si
268	0	7.6	0	12265	SLV 3	15633	9541	76908	0	9541	1	Si
268	0	15.21	0	-13636	SLV 13	-17003	-12021	-76908	0	-12021	1	Si
287	0	11.86	0	12114	SLV 3	15482	11064	76908	0	11064	1	Si
287	0	15.21	0	-13787	SLV 13	-17154	-12021	-76908	0	-12021	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.61	0	7159	SLD 3	7159	12857	76908	0	12857	1	Si
0	0	15.21	0	-4303	SLD 13	-4303	-12021	-76908	0	-12021	1	Si
10	0	15.21	0	7084	SLD 3	7084	12021	76908	0	12021	1	Si
10	0	15.21	0	-4379	SLD 13	-4379	-12021	-76908	0	-12021	1	Si
19	0	15.21	0	7008	SLD 3	7008	12021	76908	0	12021	1	Si
19	0	14.44	0	-4454	SLD 13	-4454	-11815	-76908	0	-11815	1	Si
23	0.158	15.21	0	6982	SLD 3	6982	12021	76908	18340	18340	1	Si
23	0.158	14.44	0	-4480	SLD 13	-4480	-11815	-76908	-18340	-18340	1	Si
38	0.158	15.21	0	6857	SLD 3	6857	12021	76908	18340	18340	1	Si
38	0.158	11.86	0	-4605	SLD 13	-4605	-11064	-76908	-18340	-18340	1	Si
57	0.158	15.21	0	6706	SLD 3	6706	12021	76908	18340	18340	1	Si
57	0.158	7.6	0	-4756	SLD 13	-4756	-9541	-76908	-18340	-18340	1	Si
77	0.158	15.21	0	6555	SLD 3	6555	12021	76908	18340	18340	1	Si
77	0.158	7.6	0	-4907	SLD 13	-4907	-9541	-76908	-18340	-18340	1	Si
86	0.158	15.21	0	6480	SLD 3	6480	12021	76908	18340	18340	1	Si
86	0.158	7.6	0	-4982	SLD 13	-4982	-9541	-76908	-18340	-18340	1	Si
105	0.147	15.21	0	6329	SLD 3	6329	12021	76908	17079	17079	1	Si
105	0.147	7.6	0	-5133	SLD 13	-5133	-9541	-76908	-17079	-17079	1	Si
125	0.147	15.21	0	6178	SLD 3	6178	12021	76908	17079	17079	1	Si
125	0.147	7.6	0	-5284	SLD 13	-5284	-9541	-76908	-17079	-17079	1	Si
144	0.147	15.21	0	6027	SLD 3	6027	12021	76908	17079	17079	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
144	0.147	7.6	0	-5435	SLD 13	-5435	-9541	-76908	-17079	-17079	1	Si
163	0.147	15.21	0	5876	SLD 3	5876	12021	76908	17079	17079	1	Si
163	0.147	15.21	0	-5586	SLD 13	-5586	-12021	-76908	-17079	-17079	1	Si
182	0.147	7.6	0	5725	SLD 3	5725	9541	76908	17079	17079	1	Si
182	0.147	15.21	0	-5737	SLD 13	-5737	-12021	-76908	-17079	-17079	1	Si
201	0.158	7.6	0	5574	SLD 3	5574	9541	76908	18340	18340	1	Si
201	0.158	15.21	0	-5888	SLD 13	-5888	-12021	-76908	-18340	-18340	1	Si
220	0.158	7.6	0	5423	SLD 3	5423	9541	76908	18340	18340	1	Si
220	0.158	15.21	0	-6039	SLD 13	-6039	-12021	-76908	-18340	-18340	1	Si
230	0.158	7.6	0	5348	SLD 3	5348	9541	76908	18340	18340	1	Si
230	0.158	15.21	0	-6114	SLD 13	-6114	-12021	-76908	-18340	-18340	1	Si
249	0.158	7.6	0	5197	SLD 3	5197	9541	76908	18340	18340	1	Si
249	0.158	15.21	0	-6265	SLD 13	-6265	-12021	-76908	-18340	-18340	1	Si
265	0.158	7.6	0	5072	SLD 3	5072	9541	76908	18340	18340	1	Si
265	0.158	15.21	0	-6390	SLD 13	-6390	-12021	-76908	-18340	-18340	1	Si
268	0	7.6	0	5046	SLD 3	5046	9541	76908	0	9541	1	Si
268	0	15.21	0	-6416	SLD 13	-6416	-12021	-76908	0	-12021	1	Si
287	0	11.86	0	4895	SLD 3	4895	11064	76908	0	11064	1	Si
287	0	15.21	0	-6567	SLD 13	-6567	-12021	-76908	0	-12021	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-235934	3	-219118	5.7	124.5	166.3	1837	-215610	2	-199628	5.2	93.4	0	+∞	Si
19	-208591	3	-208302	5.4	124.5	158.1	1837	-189688	2	-189417	4.9	93.4	0	+∞	Si
23	-204213	3	-204213	5.3	124.5	155	1837	-185557	2	-185557	4.8	93.4	0	+∞	Si
38	-184140	3	-204213	5.4	124.5	165.3	1837	-166659	2	-185557	4.9	93.4	0	+∞	Si
57	-162582	3	-196424	5.4	124.5	173.2	1837	-146523	2	-178209	4.9	93.4	0	+∞	Si
77	-143917	3	-173372	5.1	124.5	194.3	1837	-129280	2	-156578	4.6	93.4	0	+∞	Si
86	-135670	3	-162930	4.9	124.5	182.7	1837	-121744	2	-146847	4.4	93.4	0	+∞	Si
105	-121345	3	-144217	4.5	124.5	162.1	1837	-108840	2	-129556	4	93.4	0	+∞	Si
125	-109912	3	-128397	4.2	124.5	145	1837	-98830	2	-115158	3.8	93.4	0	+∞	Si
144	-101373	3	-115470	3.8	124.5	130.4	1837	-91712	2	-103653	3.4	93.4	0	+∞	Si
163	-95925	2	-105436	3.5	124.5	119.1	1837	-87488	2	-95040	3.1	93.4	0	+∞	Si
182	-93371	2	-98389	3.2	124.5	111.1	1837	-86156	2	-89670	2.9	93.4	0	+∞	Si
201	-93710	2	-99757	3.3	124.5	112.6	1837	-87718	2	-95619	3.1	93.4	0	+∞	Si
220	-96941	2	-107376	3.3	124.5	120.7	1837	-92172	2	-104461	3.2	93.4	0	+∞	Si
230	-99642	2	-112271	3.4	124.5	126	1837	-95484	2	-109967	3.3	93.4	0	+∞	Si
249	-107214	2	-115732	3.4	124.5	129.7	1837	-104278	2	-113806	3.4	93.4	0	+∞	Si
265	-115732	2	-115732	3.4	124.5	129.7	1837	-113806	2	-113806	3.4	93.4	0	+∞	Si
268	-117678	2	-117569	3.5	124.5	131.8	1837	-115965	2	-115840	3.4	93.4	0	+∞	Si
287	-131035	2	-122428	3.6	124.5	137.2	1837	-130544	2	-121220	3.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
38	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
57	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
77	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
86	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
105	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	1	-0.006	1	9999	Si
125	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	1	-0.006	1	9999	Si
134	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	1	-0.006	1	9999	Si
144	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	1	-0.006	1	9999	Si
163	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	1	-0.006	1	9999	Si
182	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
201	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
220	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
230	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	1	-0.004	1	9999	Si
249	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
265	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
268	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1251	16318	18340	SLV 3	0.38	796	1.047	-185557	1828584	1872416	SLV 13	0.41	949	1.125	Si
38	1126	16318	18340	SLV 3	0.38	811	1.055	-185557	1828584	1872475	SLV 13	0.41	949	1.125	Si
57	975	16318	18340	SLV 3	0.39	828	1.064	-178209	1751857	1872524	SLV 13	0.42	1051	1.173	Si
77	824	16318	18340	SLV 3	0.39	846	1.073	-156578	-1503917	-1872764	SLV 3	0.41	982	1.141	Si
86	749	16318	18340	SLV 3	0.39	855	1.078	-146847	-1379983	-1872814	SLV 3	0.45	1252	1.26	Si
105	598	16318	17079	SLV 3	0.37	729	1.01	-129556	1132223	1475682	SLV 13	0.51	1748	1.445	Si
125	447	16318	17079	SLV 3	0.37	745	1.019	-115158	884700	971252	SLV 13	0.44	1193	1.236	Si
144	296	16318	17079	SLV 3	0.37	762	1.028	-103653	637640	971252	SLV 13	0.57	2474	1.666	Si
163	145	16318	17079	SLV 3	0.38	779	1.038	-95040	391661	971252	SLV 15	0.57	2474	1.666	Si
182	-6	-16318	-17079	SLV 13	0.38	794	1.046	-89670	621092	971252	SLV 3	0.57	2474	1.666	Si
201	-157	-16318	-18340	SLV 13	0.4	926	1.114	-95619	868024	971252	SLV 3	0.44	1196	1.237	Si
220	-308	-16318	-18340	SLV 13	0.4	908	1.105	-104461	1115487	1475682	SLV 3	0.51	1743	1.443	Si
230	-383	-16318	-18340	SLV 13	0.4	899	1.1	-109967	1239327	1628697	SLV 3	0.5	1699	1.428	Si
249	-534	-16318	-18340	SLV 13	0.4	880	1.091	-113806	-1315985	-1872764	SLV 13	0.48	1493	1.355	Si
265	-659	-16318	-18340	SLV 13	0.39	865	1.083	-113806	-1315985	-1872764	SLV 13	0.48	1493	1.355	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1251	5731	18340	SLD 3	0.4	906	2.777	-185557	809211	1872416	SLD 13	0.34	616	2.371	Si
38	1126	5731	18340	SLD 3	0.4	923	2.799	-185557	809211	1872475	SLD 13	0.34	616	2.371	Si
57	975	5731	18340	SLD 3	0.41	942	2.822	-178209	775256	1872524	SLD 13	0.36	677	2.465	Si
77	824	5731	18340	SLD 3	0.41	963	2.848	-156578	-665533	-1872764	SLD 3	0.35	636	2.402	Si
86	749	5731	18340	SLD 3	0.41	973	2.86	-146847	-610687	-1872814	SLD 3	0.38	795	2.633	Si
105	598	5731	17079	SLD 3	0.39	830	2.679	-129556	501044	1475682	SLD 13	0.43	1092	2.998	Si
125	447	5731	17079	SLD 3	0.39	848	2.703	-115158	391504	971252	SLD 13	0.37	761	2.586	Si
144	296	5731	17079	SLD 3	0.39	867	2.728	-103653	282169	971252	SLD 13	0.51	1731	3.622	Si
163	145	5731	17079	SLD 3	0.4	886	2.752	-95040	173311	971252	SLD 15	0.6	2474	4.193	Si
182	-6	-5731	-17079	SLD 13	0.4	904	2.775	-89670	274853	971252	SLD 3	0.51	1793	3.674	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
201	-157	-5731	-18340	SLD 13	0.42	1063	2.966	-95619	384131	971252	SLD 3	0.37	762	2.587	Si
220	-308	-5731	-18340	SLD 13	0.42	1040	2.939	-104461	493645	1475682	SLD 3	0.43	1090	2.996	Si
230	-383	-5731	-18340	SLD 13	0.42	1029	2.926	-109967	548449	1628697	SLD 3	0.42	1062	2.964	Si
249	-534	-5731	-18340	SLD 13	0.42	1004	2.897	-113806	-582373	-1872764	SLD 13	0.41	935	2.814	Si
265	-659	-5731	-18340	SLD 13	0.41	985	2.874	-113806	-582373	-1872764	SLD 13	0.41	935	2.814	Si

Campata 4 tra i fili 6 - 7, sezione R 45x70, asta 985

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	228996	SLU 36	228056	1872764	0.089						Si
18	15.21	5.4	15.21	5.4	226000	SLU 36	225863	1872764	0.089						Si
23	15.21	5.4	15.21	5.4	224629	SLU 36	224629	1872764	0.089						Si
36	15.21	5.4	13.99	5.4	219818	SLU 35	224629	1729093	0.087						Si
54	14.34	5.4	16.72	5.4	210572	SLU 35	223889	2052364	0.091						Si
63	13.49	5.4	13.36	5.4	204705	SLU 35	220595	1654043	0.086						Si
81	11.79	5.4	11.4	5.4	190483	SLU 35	211730	1422094	0.084						Si
99	7.6	5.4	11.4	5.4	172944	SLU 35	199549	1422093	0.084						Si
117	7.6	5.4	11.4	5.4	152089	SLU 35	184050	1422093	0.084						Si
135	7.6	5.4	11.4	5.4	127917	SLU 35	165234	1422093	0.084						Si
153	7.6	5.4	11.4	5.4	100427	SLU 35	143102	1422093	0.084						Si
171	7.6	5.4	11.4	5.4	69621	SLU 35	117652	1422093	0.084						Si
189	9.7	5.4	11.4	5.4	35497	SLU 35	88886	1422093	0.084	18625	SLU 2	-35469	-1219497	0.081	Si
207	10.55	5.4	13.26	5.4	-511	SLU 17	56803	1642629	0.087	-11210	SLU 20	-78124	-1320255	0.082	Si
216	10.97	5.4	13.87	5.4	-16123	SLU 17	39517	1714492	0.088	-30721	SLU 20	-100758	-1370594	0.083	Si
234	11.4	5.4	15.08	5.4	-48529	SLU 6	2933	1858205	0.09	-72962	SLU 30	-107041	-1422107	0.084	Si
247	11.4	5.4	15.21	5.4						-107041	SLU 30	-107041	-1422107	0.084	Si
252	11.4	5.4	15.21	5.4						-118677	SLU 30	-117514	-1422107	0.084	Si
270	11.4	5.4	15.21	5.4						-167710	SLU 30	-136131	-1422107	0.084	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	1619044	SLV 15	1510518	1872764	0.089	-1289971	SLV 1	-1181851	-1872764	0.089	Si
18	15.21	5.4	15.21	5.4	1444230	SLV 15	1439818	1872764	0.089	-1118103	SLV 1	-1113860	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4	1400050	SLV 15	1400050	1872764	0.089	-1075615	SLV 1	-1075615	-1872764	0.089	Si
36	15.21	5.4	13.99	5.4	1266872	SLV 15	1400050	1729093	0.087	-948793	SLV 1	-1075615	-1872842	0.089	Si
54	14.34	5.4	16.72	5.4	1086974	SLV 15	1376192	2052364	0.091	-782047	SLV 1	-1052672	-1769740	0.087	Si
63	13.49	5.4	13.36	5.4	996074	SLV 15	1287341	1654043	0.086	-699637	SLV 1	-968190	-1669315	0.087	Si
81	11.79	5.4	11.4	5.4	812383	SLV 15	1107735	1422094	0.084	-536751	SLV 1	-801149	-1468091	0.084	Si
99	7.6	5.4	11.4	5.4	626193	SLV 15	925595	1422093	0.084	-376470	SLV 1	-636677	-970824	0.078	Si
117	7.6	5.4	11.4	5.4	437591	SLV 15	740938	1422093	0.084	-218881	SLV 1	-474790	-970824	0.078	Si
135	7.6	5.4	11.4	5.4	247054	SLV 15	553805	1422093	0.084	-64459	SLV 1	-315531	-970824	0.078	Si
153	7.6	5.4	11.4	5.4	96873	SLV 7	364358	1422093	0.084	44504	SLV 9	-267992	-970824	0.078	Si
171	7.6	5.4	11.4	5.4	241197	SLV 1	477741	1422093	0.084	-146141	SLV 15	-468382	-970824	0.078	Si
189	9.7	5.4	11.4	5.4	388384	SLV 1	621148	1422093	0.084	-344752	SLV 15	-671455	-1219497	0.081	Si
207	10.55	5.4	13.26	5.4	533300	SLV 1	762055	1642629	0.087	-546196	SLV 15	-877130	-1320255	0.082	Si
216	10.97	5.4	13.87	5.4	604838	SLV 1	831561	1714492	0.088	-647911	SLV 15	-980935	-1370594	0.083	Si
234	11.4	5.4	15.08	5.4	746035	SLV 1	850197	1858205	0.09	-853289	SLV 15	-1009096	-1422107	0.084	Si
247	11.4	5.4	15.21	5.4	850197	SLV 1	850197	1873055	0.09	-1009096	SLV 15	-1009096	-1422107	0.084	Si
252	11.4	5.4	15.21	5.4	884706	SLV 1	881265	1873055	0.09	-1061245	SLV 15	-1056040	-1422107	0.084	Si
270	11.4	5.4	15.21	5.4	1020841	SLV 1	936498	1873055	0.09	-1271767	SLV 15	-1139498	-1422107	0.084	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	808195	SLD 15	760057	1872764	0.089	-479122	SLD 1	-431389	-1872764	0.089	Si
18	15.21	5.4	15.21	5.4	730015	SLD 15	728015	1872764	0.089	-403887	SLD 1	-402057	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4	709992	SLD 15	709992	1872764	0.089	-385558	SLD 1	-385558	-1872764	0.089	Si
36	15.21	5.4	13.99	5.4	649286	SLD 15	709992	1729093	0.087	-331207	SLD 1	-385558	-1872842	0.089	Si
54	14.34	5.4	16.72	5.4	566010	SLD 15	699179	2052364	0.091	-261083	SLD 1	-375660	-1769740	0.087	Si
63	13.49	5.4	13.36	5.4	523418	SLD 15	658643	1654043	0.086	-226981	SLD 1	-339492	-1669315	0.087	Si
81	11.79	5.4	11.4	5.4	436330	SLD 15	575660	1422094	0.084	-160698	SLD 1	-269074	-1468091	0.084	Si
99	7.6	5.4	11.4	5.4	346712	SLD 15	490133	1422093	0.084	-96990	SLD 1	-201215	-970824	0.078	Si
117	7.6	5.4	11.4	5.4	254603	SLD 15	402069	1422093	0.084	-35892	SLD 1	-135922	-970824	0.078	Si
135	7.6	5.4	11.4	5.4	160203	SLD 15	311486	1422093	0.084	22392	SLD 1	-73212	-970824	0.078	Si
153	7.6	5.4	11.4	5.4	82103	SLD 7	218452	1422093	0.084	59274	SLD 9	-100753	-970824	0.078	Si
171	7.6	5.4	11.4	5.4	133203	SLD 1	214002	1422093	0.084	-38147	SLD 15	-204643	-970824	0.078	Si
189	9.7	5.4	11.4	5.4	184011	SLD 1	260834	1422093	0.084	-140379	SLD 15	-311141	-1219497	0.081	Si
207	10.55	5.4	13.26	5.4	232386	SLD 1	305136	1642629	0.087	-245282	SLD 15	-420212	-1320255	0.082	Si
216	10.97	5.4	13.87	5.4	255633	SLD 1	326335	1714492	0.088	-298705	SLD 15	-475708	-1370594	0.083	Si
234	11.4	5.4	15.08	5.4	300227	SLD 1	331926	1858205	0.09	-407481	SLD 15	-490825	-1422107	0.084	Si
247	11.4	5.4	15.21	5.4	331926	SLD 1	331926	1873055	0.09	-490825	SLD 15	-490825	-1422107	0.084	Si
252	11.4	5.4	15.21	5.4	342281	SLD 1	341249	1873055	0.09	-518820	SLD 15	-516024	-1422107	0.084	Si
270	11.4	5.4	15.21	5.4	381789	SLD 1	357824	1873055	0.09	-632716	SLD 15	-560823	-1422107	0.084	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.36	0	28	SLU 19	28	11514	76908	0	11514	1	Si
0	0	13.36	0	-90	SLU 18	-90	-11514	-76908	0	-11514	1	Si
18	0	11.4	0	-259	SLU 36	-259	-10922	-76908	0	-10922	1	Si
23	0.115	11.4	0	-305	SLU 36	-305	-10922	-76908	-13338	-13338	1	Si
36	0.115	11.4	0	-443	SLU 36	-443	-10922	-76908	-13338	-13338	1	Si
54	0.115	11.4	0	-627	SLU 36	-627	-10922	-76908	-13338	-13338	1	Si
63	0.115	11.4	0	-719	SLU 36	-719	-10922	-76908	-13338	-13338	1	Si
81	0.115	11.4	0	-904	SLU 36	-904	-10922	-76908	-13338	-13338	1	Si
99	0.118	11.4	0	-1088	SLU 36	-1088	-10922	-76908	-13730	-13730	1	Si
117	0.118	11.4	0	-1272	SLU 36	-1272	-10922	-76908	-13730	-13730	1	Si
135	0.118	11.4	0	-1456	SLU 36	-1456	-10922	-76908	-13730	-13730	1	Si
153	0.118	11.4	0	-1641	SLU 36	-1641	-10922	-76908	-13730	-13730	1	Si
171	0.118	11.4	0	-1825	SLU 36	-1825	-10922	-76908	-13730	-13730	1	Si
189	0.129	11.4	0	-2009	SLU 36	-2009	-10922	-76908	-15005	-15005	1	Si
207	0.129	7.6	0	-2193	SLU 36	-2193	-9541	-76908	-15005	-15005	1	Si
216	0.129	7.6	0	-2286	SLU 36	-2286	-9541	-76908	-15005	-15005	1	Si
234	0.129	7.6	0	-2470	SLU 36	-2470	-9541	-76908	-15005	-15005	1	Si
247	0.129	9.27	0	-2608	SLU 36	-2608	-10194	-76908	-15005	-15005	1	Si
252	0	9.7	0	-2654	SLU 36	-2654	-10347	-76908	0	-10347	1	Si
270	0	10.55	0	-2838	SLU 36	-2838	-10641	-76908	0	-10641	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.49	0	9620	SLV 1	12124	11550	76908	0	11550	1	Si
0	0	13.36	0	-9642	SLV 15	-12146	-11514	-76908	0	-11514	1	Si
18	0	11.79	0	9479	SLV 1	11983	11044	76908	0	11044	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
18	0	11.4	0	-9784	SLV 15	-12288	-10922	-76908	0	-10922	1	Si
23	0.115	10.94	0	9443	SLV 1	11947	10773	76908	13338	13338	1	Si
23	0.115	11.4	0	-9819	SLV 15	-12324	-10922	-76908	-13338	-13338	1	Si
36	0.115	7.6	0	9337	SLV 1	11841	9541	76908	13338	13338	1	Si
36	0.115	11.4	0	-9926	SLV 15	-12430	-10922	-76908	-13338	-13338	1	Si
54	0.115	7.6	0	9195	SLV 1	11699	9541	76908	13338	13338	1	Si
54	0.115	11.4	0	-10067	SLV 15	-12572	-10922	-76908	-13338	-13338	1	Si
63	0.115	7.6	0	9124	SLV 1	11628	9541	76908	13338	13338	1	Si
63	0.115	11.4	0	-10138	SLV 15	-12642	-10922	-76908	-13338	-13338	1	Si
81	0.115	7.6	0	8982	SLV 1	11487	9541	76908	13338	13338	1	Si
81	0.115	11.4	0	-10280	SLV 15	-12784	-10922	-76908	-13338	-13338	1	Si
99	0.118	7.6	0	8841	SLV 1	11345	9541	76908	13730	13730	1	Si
99	0.118	11.4	0	-10422	SLV 15	-12926	-10922	-76908	-13730	-13730	1	Si
117	0.118	9.27	0	8699	SLV 1	11203	10194	76908	13730	13730	1	Si
117	0.118	11.4	0	-10564	SLV 15	-13068	-10922	-76908	-13730	-13730	1	Si
135	0.118	10.12	0	8557	SLV 1	11061	10496	76908	13730	13730	1	Si
135	0.118	11.4	0	-10705	SLV 15	-13209	-10922	-76908	-13730	-13730	1	Si
153	0.118	11.4	0	8415	SLV 1	10920	10922	76908	13730	13730	1	Si
153	0.118	11.4	0	-10847	SLV 15	-13351	-10922	-76908	-13730	-13730	1	Si
171	0.118	11.4	0	8274	SLV 1	10778	10922	76908	13730	13730	1	Si
171	0.118	7.6	0	-10989	SLV 15	-13493	-9541	-76908	-13730	-13730	1	Si
189	0.129	11.4	0	8132	SLV 1	10636	10922	76908	15005	15005	1	Si
189	0.129	7.6	0	-11131	SLV 15	-13635	-9541	-76908	-15005	-15005	1	Si
207	0.129	11.4	0	7990	SLV 1	10494	10922	76908	15005	15005	1	Si
207	0.129	7.6	0	-11272	SLV 15	-13776	-9541	-76908	-15005	-15005	1	Si
216	0.129	11.4	0	7919	SLV 1	10423	10922	76908	15005	15005	1	Si
216	0.129	7.6	0	-11343	SLV 15	-13847	-9541	-76908	-15005	-15005	1	Si
234	0.129	11.4	0	7778	SLV 1	10282	10922	76908	15005	15005	1	Si
234	0.129	7.6	0	-11485	SLV 15	-13989	-9541	-76908	-15005	-15005	1	Si
247	0.129	11.4	0	7671	SLV 1	10175	10922	76908	15005	15005	1	Si
247	0.129	9.27	0	-11591	SLV 15	-14095	-10194	-76908	-15005	-15005	1	Si
252	0	11.4	0	7636	SLV 1	10140	10922	76908	0	10922	1	Si
252	0	9.7	0	-11627	SLV 15	-14131	-10347	-76908	0	-10347	1	Si
270	0	13.26	0	7494	SLV 1	9998	11485	76908	0	11485	1	Si
270	0	10.55	0	-11768	SLV 15	-14273	-10641	-76908	0	-10641	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.49	0	4251	SLD 1	4251	11550	76908	0	11550	1	Si
0	0	13.36	0	-4273	SLD 15	-4273	-11514	-76908	0	-11514	1	Si
18	0	11.79	0	4109	SLD 1	4109	11044	76908	0	11044	1	Si
18	0	11.4	0	-4415	SLD 15	-4415	-10922	-76908	0	-10922	1	Si
23	0.115	10.94	0	4074	SLD 1	4074	10773	76908	13338	13338	1	Si
23	0.115	11.4	0	-4450	SLD 15	-4450	-10922	-76908	-13338	-13338	1	Si
36	0.115	7.6	0	3968	SLD 1	3968	9541	76908	13338	13338	1	Si
36	0.115	11.4	0	-4557	SLD 15	-4557	-10922	-76908	-13338	-13338	1	Si
54	0.115	7.6	0	3826	SLD 1	3826	9541	76908	13338	13338	1	Si
54	0.115	11.4	0	-4698	SLD 15	-4698	-10922	-76908	-13338	-13338	1	Si
63	0.115	7.6	0	3755	SLD 1	3755	9541	76908	13338	13338	1	Si
63	0.115	11.4	0	-4769	SLD 15	-4769	-10922	-76908	-13338	-13338	1	Si
81	0.115	7.6	0	3613	SLD 1	3613	9541	76908	13338	13338	1	Si
81	0.115	11.4	0	-4911	SLD 15	-4911	-10922	-76908	-13338	-13338	1	Si
99	0.118	7.6	0	3471	SLD 1	3471	9541	76908	13730	13730	1	Si
99	0.118	11.4	0	-5053	SLD 15	-5053	-10922	-76908	-13730	-13730	1	Si
117	0.118	9.27	0	3330	SLD 1	3330	10194	76908	13730	13730	1	Si
117	0.118	11.4	0	-5194	SLD 15	-5194	-10922	-76908	-13730	-13730	1	Si
135	0.118	11.4	0	3188	SLD 1	3188	10922	76908	13730	13730	1	Si
135	0.118	11.4	0	-5336	SLD 15	-5336	-10922	-76908	-13730	-13730	1	Si
153	0.118	11.4	0	3046	SLD 1	3046	10922	76908	13730	13730	1	Si
153	0.118	11.4	0	-5478	SLD 15	-5478	-10922	-76908	-13730	-13730	1	Si
171	0.118	11.4	0	2904	SLD 1	2904	10922	76908	13730	13730	1	Si
171	0.118	7.6	0	-5620	SLD 15	-5620	-9541	-76908	-13730	-13730	1	Si
189	0.129	11.4	0	2763	SLD 1	2763	10922	76908	15005	15005	1	Si
189	0.129	7.6	0	-5761	SLD 15	-5761	-9541	-76908	-15005	-15005	1	Si
207	0.129	11.4	0	2621	SLD 1	2621	10922	76908	15005	15005	1	Si
207	0.129	7.6	0	-5903	SLD 15	-5903	-9541	-76908	-15005	-15005	1	Si
216	0.129	11.4	0	2550	SLD 1	2550	10922	76908	15005	15005	1	Si
216	0.129	7.6	0	-5974	SLD 15	-5974	-9541	-76908	-15005	-15005	1	Si
234	0.129	11.4	0	2408	SLD 1	2408	10922	76908	15005	15005	1	Si
234	0.129	7.6	0	-6116	SLD 15	-6116	-9541	-76908	-15005	-15005	1	Si
247	0.129	11.4	0	2302	SLD 1	2302	10922	76908	15005	15005	1	Si
247	0.129	9.27	0	-6222	SLD 15	-6222	-10194	-76908	-15005	-15005	1	Si
252	0	11.4	0	2267	SLD 1	2267	10922	76908	0	10922	1	Si
252	0	9.7	0	-6258	SLD 15	-6258	-10347	-76908	0	-10347	1	Si
270	0	13.26	0	2125	SLD 1	2125	11485	76908	0	11485	1	Si
270	0	10.55	0	-6399	SLD 15	-6399	-10641	-76908	0	-10641	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	173043	9	172487	5.1	124.5	193.3	1837	164537	2	164334	4.9	93.4	0	+∞	Si
18	171005	9	170906	5.1	124.5	191.5	1837	163064	2	162979	4.8	93.4	0	+∞	Si
23	170017	9	170017	5	124.5	190.5	1837	162217	2	162217	4.8	93.4	0	+∞	Si
36	166501	8	170017	5.2	124.5	206.5	1837	159114	1	162217	5	93.4	0	+∞	Si
54	159616	8	169483	4.9	124.5	173.4	1837	152757	1	161760	4.7	93.4	0	+∞	Si
63	155216	8	167073	5.3	124.5	212.5	1837	148622	1	159625	5.1	93.4	0	+∞	Si
81	144503	8	160481	5.5	124.5	238.1	1837	138438	1	153562	5.3	93.4	0	+∞	Si
99	131238	8	151337	5.5	124.5	225.3	1837	125703	1	144947	5.3	93.4	0	+∞	Si
117	115422	8	139641	5.1	124.5	207.9	1837	110416	1	133781	4.9	93.4	0	+∞	Si
135	97054	8	125394	4.6	124.5	186.7	1837	92577	1	120063	4.4	93.4	0	+∞	Si
153	76135	8	108596	3.9	124.5	161.7	1837	72187	1	103794	3.8	93.4	0	+∞	Si
171	52664	8	89246	3.2	124.5	132.9	1837	49246	1	84973	3.1	93.4	0	+∞	Si
189	26642	8	67344	2.4	124.5	100.1	1837	23753	1	63601	2.2	93.4	0	+∞	Si
207	-7885	2	-59280	2.1	124.5	94.8	1837	-6448	2	-57538	2	93.4	0	+∞	Si
216	-23047	2	-76579	2.6	124.5	117.8	1837	-21536	2	-74687	2.5	93.4	0	+∞	Si
234	-55335	3	-81382	2.7	124.5	120.5	1837	-53627	2	-79449	2.6	93.4	0	+∞	Si
247	-81382	3	-81382	2.7	124.5	120.5	1837	-79449	2	-79449	2.6	93.4	0	+∞	Si
252	-90276	3	-89387	2.9	124.5	132.4	1837	-88270	2	-87388	2.9	93.4	0	+∞	Si
270	-127769	3	-103618	3.4	124.5	153.4	1837	-125463	2	-101500	3.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
18	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.001	1	9999	Si
23	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
36	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
54	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
63	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
81	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
99	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si
108	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si
117	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si
135	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
153	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
171	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	1	0.003	1	9999	Si
189	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
207	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
216	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
234	0.001	0	0	0	0.001	0	0	0	0	0	0.001	1	0.001	1	9999	Si
247	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
252	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-188	-12135	-13338	SLV 15	0.39	865	1.083	162217	1237832	1872764	SLV 15	0.5	1633	1.405	Si
36	-294	-12135	-13338	SLV 15	0.39	848	1.074	162217	1237832	1729093	SLV 15	0.46	1293	1.277	Si
54	-436	-12135	-13338	SLV 15	0.39	826	1.063	161760	1214432	2052364	SLV 15	0.55	2246	1.602	Si
63	-507	-12135	-13338	SLV 15	0.38	815	1.057	159576	1127766	1654043	SLV 15	0.48	1459	1.342	Si
81	-649	-12135	-13338	SLV 15	0.38	793	1.045	153293	954442	1422094	SLV 15	0.48	1472	1.347	Si
99	-791	-12135	-13730	SLV 15	0.39	832	1.066	144459	-781136	-970824	SLV 1	0.51	1782	1.457	Si
117	-932	-12135	-13730	SLV 15	0.38	810	1.054	133074	-607864	-970824	SLV 1	0.57	2474	1.666	Si
135	-1074	-12135	-13730	SLV 15	0.38	788	1.042	119137	-434668	-970824	SLV 1	0.57	2474	1.666	Si
153	-1216	-12135	-13730	SLV 15	0.37	767	1.031	31961	-299953	-970824	SLV 15	0.57	2474	1.666	Si
171	-1358	-12135	-13730	SLV 15	0.37	746	1.019	4679	-473061	-970824	SLV 15	0.57	2474	1.666	Si
189	-1499	-12135	-15005	SLV 15	0.4	924	1.113	-25153	-646302	-1219497	SLV 15	0.57	2474	1.666	Si
207	-1641	-12135	-15005	SLV 15	0.4	900	1.101	-57538	-819592	-1320255	SLV 15	0.55	2184	1.583	Si
216	-1712	-12135	-15005	SLV 15	0.4	889	1.095	-74687	-906248	-1370594	SLV 15	0.51	1789	1.459	Si
234	-1854	-12135	-15005	SLV 15	0.39	866	1.084	-79449	-929646	-1422107	SLV 15	0.52	1837	1.475	Si
247	-1960	-12135	-15005	SLV 15	0.39	849	1.075	-79449	-929646	-1422107	SLV 15	0.52	1837	1.475	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-188	-4262	-13338	SLD 15	0.41	985	2.874	162217	547775	1872764	SLD 15	0.42	1018	2.913	Si
36	-294	-4262	-13338	SLD 15	0.41	965	2.85	162217	547775	1729093	SLD 15	0.38	818	2.664	Si
54	-436	-4262	-13338	SLD 15	0.41	940	2.82	161760	537420	2052364	SLD 15	0.47	1400	3.32	Si
63	-507	-4262	-13338	SLD 15	0.4	927	2.804	159576	499067	1654043	SLD 15	0.4	916	2.79	Si
81	-649	-4262	-13338	SLD 15	0.4	902	2.772	153293	422367	1422094	SLD 15	0.4	923	2.799	Si
99	-791	-4262	-13730	SLD 15	0.41	947	2.828	144459	-345674	-970824	SLD 1	0.43	1113	3.022	Si
117	-932	-4262	-13730	SLD 15	0.4	922	2.797	133074	-268996	-970824	SLD 1	0.54	2112	3.93	Si
135	-1074	-4262	-13730	SLD 15	0.4	897	2.766	119137	-192349	-970824	SLD 1	0.6	2474	4.193	Si
153	-1216	-4262	-13730	SLD 15	0.39	873	2.736	31961	-132714	-970824	SLD 15	0.6	2474	4.193	Si
171	-1358	-4262	-13730	SLD 15	0.39	849	2.704	4679	-209322	-970824	SLD 15	0.6	2474	4.193	Si
189	-1499	-4262	-15005	SLD 15	0.42	1060	2.962	-25153	-285987	-1219497	SLD 15	0.55	2214	4.006	Si
207	-1641	-4262	-15005	SLD 15	0.42	1030	2.927	-57538	-362674	-1320255	SLD 15	0.46	1362	3.283	Si
216	-1712	-4262	-15005	SLD 15	0.42	1016	2.911	-74687	-401021	-1370594	SLD 15	0.43	1118	3.028	Si
234	-1854	-4262	-15005	SLD 15	0.41	987	2.877	-79449	-411376	-1422107	SLD 15	0.44	1147	3.059	Si
247	-1960	-4262	-15005	SLD 15	0.41	966	2.851	-79449	-411376	-1422107	SLD 15	0.44	1147	3.059	Si

Campata 5 tra i fili 7 - 8, sezione R 45x70, asta 986

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	214700	SLU 35	185006	1873055	0.09						Si
19	11.4	5.4	15.21	5.4	162931	SLU 26	162192	1873055	0.09						Si
23	11.4	5.4	15.21	5.4	153566	SLU 26	153566	1873055	0.09						Si
38	11.4	5.4	14.92	5.4	108256	SLU 24	153566	1839579	0.089	56699	SLU 12	-18068	-1422107	0.084	Si
57	10.8	5.4	13.63	5.4	49994	SLU 24	136906	1686550	0.087	8158	SLU 12	-79250	-1351013	0.083	Si
77	9.9	5.4	11.4	5.4	-10999	SLU 6	80552	1422093	0.084	-44304	SLU 30	-149705	-1243745	0.081	Si
86	9.45	5.4	11.4	5.4	-36436	SLU 6	50983	1422093	0.084	-78090	SLU 30	-186343	-1190119	0.08	Si
105	7.6	5.4	11.4	5.4						-148482	SLU 30	-262439	-970824	0.078	Si
125	7.6	5.4	11.4	5.4						-222636	SLU 30	-342297	-970824	0.078	Si
144	13.42	5.4	11.4	5.4						-300550	SLU 30	-425915	-1661749	0.087	Si
163	16.13	5.4	11.4	5.4						-382225	SLU 30	-513294	-1983149	0.092	Si
182	18.84	5.4	11.4	5.4						-467661	SLU 30	-604836	-2304256	0.097	Si
201	19.01	5.4	11.4	5.4						-556858	SLU 30	-700949	-2323557	0.097	Si
220	22.41	5.4	12.99	5.4						-650803	SLU 36	-800823	-2725788	0.102	Si
230	23.31	5.4	13.63	5.4						-699298	SLU 36	-852171	-2832588	0.103	Si
249	25.12	5.4	14.92	5.4						-799110	SLU 36	-884506	-3046235	0.105	Si
265	26.61	5.4	15.21	5.4						-884506	SLU 36	-884506	-3222619	0.107	Si
268	26.61	5.4	15.21	5.4						-902682	SLU 36	-901382	-3222619	0.107	Si
287	26.61	5.4	15.21	5.4						-1010015	SLU 36	-946018	-3222619	0.107	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	1692286	SLV 13	1500469	1873055	0.09	-1387596	SLV 3	-1233969	-1422107	0.084	Si
19	11.4	5.4	15.21	5.4	1390307	SLV 15	1382215	1873055	0.09	-1164901	SLV 1	-1157958	-1422107	0.084	Si
23	11.4	5.4	15.21	5.4	1337506	SLV 15	1337506	1873055	0.09	-1126644	SLV 1	-1126644	-1422107	0.084	Si
38	11.4	5.4	14.92	5.4	1086244	SLV 15	1337506	1839579	0.089	-945909	SLV 1	-1126644	-1422107	0.084	Si
57	10.8	5.4	13.63	5.4	780762	SLV 15	1243574	1686550	0.087	-731283	SLV 1	-1058584	-1351013	0.083	Si
77	9.9	5.4	11.4	5.4	475161	SLV 15	938715	1422093	0.084	-522324	SLV 1	-841592	-1243745	0.081	Si
86	9.45	5.4	11.4	5.4	322952	SLV 15	785867	1422093	0.084	-420606	SLV 1	-734846	-1190119	0.08	Si
105	7.6	5.4	11.4	5.4	36782	SLV 11	480260	1422093	0.084	-239757	SLV 5	-525786	-970824	0.078	Si
125	7.6	5.4	11.4	5.4	44716	SLV 3	348017	1422093	0.084	-358798	SLV 13	-841680	-970824	0.078	Si
144	13.42	5.4	11.4	5.4	244761	SLV 3	546702	1422094	0.084	-675736	SLV 13	-1166034	-1661749	0.087	Si
163	16.13	5.4	11.4	5.4	444276	SLV 3	743315	1422107	0.084	-997930	SLV 13	-1494101	-1983149	0.092	Si
182	18.84	5.4	11.4	5.4	642021	SLV 3	937510	1422107	0.084	-1324139	SLV 13	-1825537	-2304256	0.097	Si
201	19.01	5.4	11.4	5.4	837496	SLV 3	1129109	1422107	0.084	-1653865	SLV 13	-2160162	-2323557	0.097	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
211	19.01	5.4	11.4	5.4	934299	SLV 3	1223902	1422107	0.084	-1819964	SLV 13	-2328637	-2323557	0.097	No
220	22.41	5.4	12.99	5.4	1030453	SLV 3	1318011	1609661	0.085	-1986859	SLV 13	-2497876	-2725788	0.102	Si
230	23.31	5.4	13.63	5.4	1125943	SLV 3	1411431	1686087	0.086	-2154537	SLV 13	-2667872	-2832588	0.103	Si
249	25.12	5.4	14.92	5.4	1314891	SLV 3	1468821	1838905	0.087	-2492200	SLV 13	-2773511	-3046235	0.105	Si
265	26.61	5.4	15.21	5.4	1468821	SLV 3	1468821	1872306	0.087	-2773511	SLV 13	-2773511	-3222619	0.107	Si
268	26.61	5.4	15.21	5.4	1501082	SLV 3	1498734	1872306	0.087	-2832893	SLV 13	-2828607	-3222619	0.107	Si
287	26.61	5.4	15.21	5.4	1684477	SLV 3	1577853	1872306	0.087	-3176576	SLV 13	-2974335	-3222619	0.107	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	833791	SLD 13	736367	1873055	0.09	-529101	SLD 3	-461163	-1422107	0.084	Si
19	11.4	5.4	15.21	5.4	678059	SLD 15	674159	1873055	0.09	-452654	SLD 1	-449902	-1422107	0.084	Si
23	11.4	5.4	15.21	5.4	650640	SLD 15	650640	1873055	0.09	-439778	SLD 1	-439778	-1422107	0.084	Si
38	11.4	5.4	14.92	5.4	519793	SLD 15	650640	1839579	0.089	-379457	SLD 1	-439778	-1422107	0.084	Si
57	10.8	5.4	13.63	5.4	359285	SLD 15	601862	1686550	0.087	-309806	SLD 1	-416872	-1351013	0.083	Si
77	9.9	5.4	11.4	5.4	197113	SLD 15	442463	1422093	0.084	-244276	SLD 1	-345340	-1243745	0.081	Si
86	9.45	5.4	11.4	5.4	115684	SLD 15	361974	1422093	0.084	-213338	SLD 1	-310953	-1190119	0.08	Si
105	7.6	5.4	11.4	5.4	-40310	SLD 11	199826	1422093	0.084	-162665	SLD 5	-335092	-970824	0.078	Si
125	7.6	5.4	11.4	5.4	-67757	SLD 3	36927	1422093	0.084	-246325	SLD 13	-510075	-970824	0.078	Si
144	13.42	5.4	11.4	5.4	-11809	SLD 3	69307	1422094	0.084	-419166	SLD 13	-688639	-1661749	0.087	Si
163	16.13	5.4	11.4	5.4	42287	SLD 3	119672	1422107	0.084	-595941	SLD 13	-870459	-1983149	0.092	Si
182	18.84	5.4	11.4	5.4	93987	SLD 3	167355	1422107	0.084	-776106	SLD 13	-1055381	-2304256	0.097	Si
201	19.01	5.4	11.4	5.4	143069	SLD 3	212275	1422107	0.084	-959439	SLD 13	-1243328	-2323557	0.097	Si
211	19.01	5.4	11.4	5.4	166592	SLD 3	233685	1422107	0.084	-1052257	SLD 13	-1338421	-2323557	0.097	Si
220	22.41	5.4	12.99	5.4	189424	SLD 3	254389	1609661	0.085	-1145830	SLD 13	-1434254	-2725788	0.102	Si
230	23.31	5.4	13.63	5.4	211559	SLD 3	274385	1686087	0.086	-1240153	SLD 13	-1530826	-2832588	0.103	Si
249	25.12	5.4	14.92	5.4	253721	SLD 3	286333	1838905	0.087	-1431030	SLD 13	-1591023	-3046235	0.105	Si
265	26.61	5.4	15.21	5.4	286333	SLD 3	286333	1872306	0.087	-1591023	SLD 13	-1591023	-3222619	0.107	Si
268	26.61	5.4	15.21	5.4	293049	SLD 3	292551	1872306	0.087	-1624860	SLD 13	-1622423	-3222619	0.107	Si
287	26.61	5.4	15.21	5.4	329528	SLD 3	308996	1872306	0.087	-1821626	SLD 13	-1705478	-3222619	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	12.99	0	-2755	SLU 36	-2755	-11405	-76908	0	-11405	1	Si
19	0	11.4	0	-2951	SLU 36	-2951	-10922	-76908	0	-10922	1	Si
23	0.187	11.4	0	-2985	SLU 36	-2985	-10922	-76908	-21675	-21675	1	Si
38	0.187	11.4	0	-3147	SLU 36	-3147	-10922	-76908	-21675	-21675	1	Si
57	0.187	11.4	0	-3343	SLU 36	-3343	-10922	-76908	-21675	-21675	1	Si
77	0.187	11.4	0	-3540	SLU 36	-3540	-10922	-76908	-21675	-21675	1	Si
86	0.187	11.4	0	-3638	SLU 36	-3638	-10922	-76908	-21675	-21675	1	Si
105	0.186	11.4	0	-3834	SLU 36	-3834	-10922	-76908	-21634	-21634	1	Si
125	0.186	10.8	0	-4030	SLU 36	-4030	-10727	-76908	-21634	-21634	1	Si
144	0.186	9.9	0	-4226	SLU 36	-4226	-10419	-76908	-21634	-21634	1	Si
163	0.186	7.6	0	-4423	SLU 36	-4423	-9541	-76908	-21634	-21634	1	Si
182	0.186	7.6	0	-4619	SLU 36	-4619	-9541	-76908	-21634	-21634	1	Si
201	0.187	12.07	0	-4815	SLU 36	-4815	-11130	-76908	-21675	-21675	1	Si
220	0.187	14.78	0	-5011	SLU 36	-5011	-11908	-76908	-21675	-21675	1	Si
230	0.187	16.13	0	-5109	SLU 36	-5109	-12261	-76908	-21675	-21675	1	Si
249	0.187	18.84	0	-5306	SLU 36	-5306	-12912	-76908	-21675	-21675	1	Si
265	0.187	19.01	0	-5468	SLU 36	-5468	-12949	-76908	-21675	-21675	1	Si
268	0	19.01	0	-5502	SLU 36	-5502	-12949	-76908	0	-12949	1	Si
278	0	19.01	0	-5600	SLU 36	-5600	-12949	-76908	0	-12949	1	Si
287	0	22.41	0	-5698	SLU 36	-5698	-13679	-76908	0	-13679	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.35	0	11779	SLV 3	15359	10575	76908	0	10575	1	Si
0	0	12.99	0	-15764	SLV 13	-19345	-11405	-76908	0	-11405	1	Si
19	0	9.45	0	11628	SLV 3	15208	10258	76908	0	10258	1	Si
19	0	11.4	0	-15915	SLV 13	-19496	-10922	-76908	0	-10922	1	Si
23	0.187	9.45	0	11601	SLV 3	15182	10258	76908	21675	21675	1	Si
23	0.187	11.4	0	-15941	SLV 13	-19522	-10922	-76908	-21675	-21675	1	Si
38	0.187	7.6	0	11477	SLV 3	15057	9541	76908	21675	21675	1	Si
38	0.187	11.4	0	-16066	SLV 13	-19647	-10922	-76908	-21675	-21675	1	Si
57	0.187	7.6	0	11326	SLV 3	14906	9541	76908	21675	21675	1	Si
57	0.187	11.4	0	-16217	SLV 13	-19798	-10922	-76908	-21675	-21675	1	Si
77	0.187	11.4	0	11175	SLV 3	14755	10922	76908	21675	21675	1	Si
77	0.187	11.4	0	-16368	SLV 13	-19949	-10922	-76908	-21675	-21675	1	Si
86	0.187	11.4	0	11099	SLV 3	14680	10922	76908	21675	21675	1	Si
86	0.187	11.4	0	-16443	SLV 13	-20024	-10922	-76908	-21675	-21675	1	Si
105	0.186	11.4	0	10948	SLV 3	14529	10922	76908	21634	21634	1	Si
105	0.186	11.4	0	-16594	SLV 13	-20175	-10922	-76908	-21634	-21634	1	Si
125	0.186	11.4	0	10797	SLV 3	14378	10922	76908	21634	21634	1	Si
125	0.186	10.8	0	-16745	SLV 13	-20326	-10727	-76908	-21634	-21634	1	Si
144	0.186	11.4	0	10647	SLV 3	14227	10922	76908	21634	21634	1	Si
144	0.186	9.9	0	-16896	SLV 13	-20477	-10419	-76908	-21634	-21634	1	Si
163	0.186	11.4	0	10496	SLV 3	14076	10922	76908	21634	21634	1	Si
163	0.186	7.6	0	-17047	SLV 13	-20628	-9541	-76908	-21634	-21634	1	Si
182	0.186	11.4	0	10345	SLV 3	13925	10922	76908	21634	21634	1	Si
182	0.186	7.6	0	-17198	SLV 13	-20779	-9541	-76908	-21634	-21634	1	Si
201	0.187	11.4	0	10194	SLV 3	13774	10922	76908	21675	21675	1	Si
201	0.187	12.07	0	-17349	SLV 13	-20930	-11130	-76908	-21675	-21675	1	Si
220	0.187	11.4	0	10043	SLV 3	13623	10922	76908	21675	21675	1	Si
220	0.187	14.78	0	-17500	SLV 13	-21081	-11908	-76908	-21675	-21675	1	Si
230	0.187	11.4	0	9967	SLV 3	13548	10922	76908	21675	21675	1	Si
230	0.187	16.13	0	-17575	SLV 13	-21156	-12261	-76908	-21675	-21675	1	Si
249	0.187	11.4	0	9816	SLV 3	13397	10922	76908	21675	21675	1	Si
249	0.187	18.84	0	-17726	SLV 13	-21307	-12912	-76908	-21675	-21675	1	Si
265	0.187	11.4	0	9692	SLV 3	13272	10922	76908	21675	21675	1	Si
265	0.187	19.01	0	-17851	SLV 13	-21432	-12949	-76908	-21675	-21675	1	Si
268	0	11.4	0	9665	SLV 3	13246	10922	76908	0	10922	1	Si
268	0	19.01	0	-17877	SLV 13	-21458	-12949	-76908	0	-12949	1	Si
287	0	12.99	0	9515	SLV 3	13095	11405	76908	0	11405	1	Si
287	0	22.41	0	-18028	SLV 13	-21609	-13679	-76908	0	-13679	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.35	0	4101	SLD 3	4101	10575	76908	0	10575	1	Si
0	0	12.99	0	-8087	SLD 13	-8087	-11405	-76908	0	-11405	1	Si
19	0	9.45	0	3950	SLD 3	3950	10258	76908	0	10258	1	Si
19	0	11.4	0	-8238	SLD 13	-8238	-10922	-76908	0	-10922	1	Si
23	0.187	9.45	0	3924	SLD 3	3924	10258	76908	21675	21675	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
23	0.187	11.4	0	-8264	SLD 13	-8264	-10922	-76908	-21675	-21675	1	Si
38	0.187	7.6	0	3799	SLD 3	3799	9541	76908	21675	21675	1	Si
38	0.187	11.4	0	-8389	SLD 13	-8389	-10922	-76908	-21675	-21675	1	Si
57	0.187	7.6	0	3649	SLD 3	3649	9541	76908	21675	21675	1	Si
57	0.187	11.4	0	-8540	SLD 13	-8540	-10922	-76908	-21675	-21675	1	Si
77	0.187	11.4	0	3498	SLD 3	3498	10922	76908	21675	21675	1	Si
77	0.187	11.4	0	-8691	SLD 13	-8691	-10922	-76908	-21675	-21675	1	Si
86	0.187	11.4	0	3422	SLD 3	3422	10922	76908	21675	21675	1	Si
86	0.187	11.4	0	-8766	SLD 13	-8766	-10922	-76908	-21675	-21675	1	Si
105	0.186	11.4	0	3271	SLD 3	3271	10922	76908	21634	21634	1	Si
105	0.186	11.4	0	-8917	SLD 13	-8917	-10922	-76908	-21634	-21634	1	Si
125	0.186	10.8	0	3120	SLD 3	3120	10727	76908	21634	21634	1	Si
125	0.186	10.8	0	-9068	SLD 13	-9068	-10727	-76908	-21634	-21634	1	Si
144	0.186	9.9	0	2969	SLD 3	2969	10419	76908	21634	21634	1	Si
144	0.186	9.9	0	-9219	SLD 13	-9219	-10419	-76908	-21634	-21634	1	Si
163	0.186	11.4	0	2818	SLD 3	2818	10922	76908	21634	21634	1	Si
163	0.186	7.6	0	-9370	SLD 13	-9370	-9541	-76908	-21634	-21634	1	Si
182	0.186	11.4	0	2667	SLD 3	2667	10922	76908	21634	21634	1	Si
182	0.186	7.6	0	-9521	SLD 13	-9521	-9541	-76908	-21634	-21634	1	Si
201	0.187	11.4	0	2516	SLD 3	2516	10922	76908	21675	21675	1	Si
201	0.187	12.07	0	-9672	SLD 13	-9672	-11130	-76908	-21675	-21675	1	Si
220	0.187	11.4	0	2366	SLD 3	2366	10922	76908	21675	21675	1	Si
220	0.187	14.78	0	-9823	SLD 13	-9823	-11908	-76908	-21675	-21675	1	Si
230	0.187	11.4	0	2290	SLD 3	2290	10922	76908	21675	21675	1	Si
230	0.187	16.13	0	-9898	SLD 13	-9898	-12261	-76908	-21675	-21675	1	Si
249	0.187	11.4	0	2139	SLD 3	2139	10922	76908	21675	21675	1	Si
249	0.187	18.84	0	-10049	SLD 13	-10049	-12912	-76908	-21675	-21675	1	Si
265	0.187	11.4	0	2014	SLD 3	2014	10922	76908	21675	21675	1	Si
265	0.187	19.01	0	-10174	SLD 13	-10174	-12949	-76908	-21675	-21675	1	Si
268	0	11.4	0	1988	SLD 3	1988	10922	76908	0	10922	1	Si
268	0	19.01	0	-10200	SLD 13	-10200	-12949	-76908	0	-12949	1	Si
278	0	11.4	0	1913	SLD 3	1913	10922	76908	0	10922	1	Si
278	0	19.01	0	-10276	SLD 13	-10276	-12949	-76908	0	-12949	1	Si
287	0	12.99	0	1837	SLD 3	1837	11405	76908	0	11405	1	Si
287	0	22.41	0	-10351	SLD 13	-10351	-13679	-76908	0	-13679	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	164037	8	141200	4.4	124.5	158.8	1837	157835	1	135838	4.2	93.4	0	+∞	Si
19	123823	8	123242	3.8	124.5	138.6	1837	119052	1	118489	3.7	93.4	0	+∞	Si
23	116452	8	116452	3.6	124.5	131	1837	111930	1	111930	3.5	93.4	0	+∞	Si
38	80792	6	116452	3.7	124.5	133.3	1837	77376	1	111930	3.5	93.4	0	+∞	Si
57	34985	6	103339	3.4	124.5	129.2	1837	32807	1	99259	3.2	93.4	0	+∞	Si
77	-29993	3	-109975	4	124.5	187.2	1837	-23582	2	-102403	3.7	93.4	0	+∞	Si
86	-55621	3	-137797	5.1	124.5	245.4	1837	-48827	2	-129842	4.8	93.4	0	+∞	Si
105	-109047	3	-195611	4.4	124.5	67.8	1837	-101488	2	-186891	7.5	93.4	0	+∞	Si
125	-165366	3	-256317	5.8	124.5	88.9	1837	-157041	2	-246832	9.9	93.4	0	+∞	Si
144	-224577	3	-319917	10.4	124.5	405.7	1837	-215487	2	-309666	10.1	93.4	0	+∞	Si
163	-286682	3	-386409	11.8	124.5	410.4	1837	-276827	2	-375393	11.5	93.4	0	+∞	Si
182	-351680	3	-456062	13.2	124.5	417.3	1837	-341059	2	-444013	12.9	93.4	0	+∞	Si
201	-419570	3	-529149	15.3	124.5	480.3	1837	-408185	2	-515526	14.9	93.4	0	+∞	Si
220	-491013	9	-605129	16.3	124.5	468.3	1837	-478203	2	-589933	15.9	93.4	0	+∞	Si
230	-527893	9	-644203	17	124.5	479.6	1837	-514297	2	-628220	16.5	93.4	0	+∞	Si
249	-603825	9	-668815	16.9	124.5	462.9	1837	-588655	2	-652345	16.5	93.4	0	+∞	Si
265	-668815	9	-668815	16.6	124.5	437.9	1837	-652345	2	-652345	16.2	93.4	0	+∞	Si
268	-682649	9	-681660	16.9	124.5	446.3	1837	-665906	2	-664936	16.5	93.4	0	+∞	Si
287	-764366	9	-715635	17.8	124.5	468.6	1837	-746049	2	-698241	17.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
38	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
57	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
77	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
86	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
105	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.01	1	-0.01	1	9999	Si
125	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
144	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
163	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.013	1	-0.014	1	9999	Si
182	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.014	1	-0.014	1	9999	Si
201	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.013	1	-0.014	1	9999	Si
220	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.013	1	9999	Si
230	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.011	1	-0.012	1	9999	Si
249	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
265	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
268	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	1	-0.005	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-2170	-17352	-21675	SLV 13	0.41	946	1.124	105431	-1232075	-1422107	SLV 1	0.45	1224	1.249	Si
38	-2295	-17352	-21675	SLV 13	0.4	932	1.117	105431	-1232075	-1422107	SLV 1	0.45	1224	1.249	Si
57	-2446	-17352	-21675	SLV 13	0.4	914	1.108	92495	-1151079	-1351013	SLV 1	0.45	1261	1.264	Si
77	-2597	-17352	-21675	SLV 13	0.4	897	1.099	48562	-890154	-1243745	SLV 1	0.52	1863	1.483	Si
86	-2672	-17352	-21675	SLV 13	0.4	888	1.095	25510	-760357	-1190119	SLV 1	0.57	2411	1.649	Si
105	-2823	-17352	-21634	SLV 13	0.39	866	1.084	-22763	-503023	-970824	SLV 1	0.57	2474	1.666	Si
125	-2974	-17352	-21634	SLV 13	0.39	849	1.075	-246832	-594849	-970824	SLV 13	0.44	1165	1.224	Si
144	-3125	-17352	-21634	SLV 13	0.39	833	1.066	-309666	-856368	-1661749	SLV 13	0.56	2332	1.626	Si
163	-3276	-17352	-21634	SLV 13	0.38	816	1.057	-375393	-1118708	-1983149	SLV 13	0.51	1812	1.467	Si
182	-3427	-17352	-21634	SLV 13	0.38	800	1.049	-444013	-1381524	-2304256	SLV 13	0.48	1523	1.366	Si
201	-3578	-17352	-21675	SLV 13	0.38	788	1.042	-515526	-1644636	-2323557	SLV 13	0.4	896	1.099	Si
220	-3729	-17352	-21675	SLV 13	0.38	772	1.034	-589933	-1907944	-2725788	SLV 13	0.41	937	1.119	Si
230	-3804	-17352	-21675	SLV 13	0.37	764	1.029	-628220	-2039651	-2832588	SLV 13	0.39	860	1.081	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
249	-3955	-17352	-21675	SLV 13	0.37	749	1.021	-652345	-2121166	-3046235	SLV 13	0.41	956	1.128	Si
265	-4080	-17352	-21675	SLV 13	0.37	736	1.014	-652345	2121166	1872306	SLV 3	0.43	1098	1.194	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-2170	-6094	-21675	SLD 13	0.43	1088	2.994	105431	-545209	-1422107	SLD 1	0.38	778	2.609	Si
38	-2295	-6094	-21675	SLD 13	0.43	1071	2.975	105431	-545209	-1422107	SLD 1	0.38	778	2.609	Si
57	-2446	-6094	-21675	SLD 13	0.42	1048	2.948	92495	-509367	-1351013	SLD 1	0.38	800	2.639	Si
77	-2597	-6094	-21675	SLD 13	0.42	1026	2.923	48562	-393901	-1243745	SLD 1	0.44	1164	3.078	Si
86	-2672	-6094	-21675	SLD 13	0.42	1015	2.91	25510	-336464	-1190119	SLD 1	0.48	1502	3.417	Si
105	-2823	-6094	-21634	SLD 13	0.41	987	2.877	-22763	-222589	-970824	SLD 1	0.56	2333	4.093	Si
125	-2974	-6094	-21634	SLD 13	0.41	967	2.853	-246832	-263243	-970824	SLD 13	0.37	744	2.562	Si
144	-3125	-6094	-21634	SLD 13	0.41	948	2.83	-309666	-378973	-1661749	SLD 13	0.48	1453	3.371	Si
163	-3276	-6094	-21634	SLD 13	0.4	929	2.806	-375393	-495065	-1983149	SLD 13	0.43	1132	3.043	Si
182	-3427	-6094	-21634	SLD 13	0.4	910	2.782	-444013	-611368	-2304256	SLD 13	0.41	953	2.836	Si
201	-3578	-6094	-21675	SLD 13	0.4	897	2.766	-515526	-727802	-2323557	SLD 13	0.34	582	2.317	Si
220	-3729	-6094	-21675	SLD 13	0.4	879	2.743	-589933	-844322	-2725788	SLD 13	0.34	608	2.358	Si
230	-3804	-6094	-21675	SLD 13	0.39	869	2.73	-628220	-902605	-2832588	SLD 13	0.33	558	2.277	Si
249	-3955	-6094	-21675	SLD 13	0.39	852	2.708	-652345	-938678	-3046235	SLD 13	0.34	619	2.376	Si
265	-4080	-6094	-21675	SLD 13	0.39	838	2.69	-652345	938678	1872306	SLD 3	0.36	705	2.506	Si

Campata 6 tra i fili 8 - 9, sezione R 45x70, asta 987

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	15.21	5.4						-834776	SLU 30	-726663	-3222619	0.107	Si
21	26.61	5.4	15.21	5.4						-645465	SLU 30	-644934	-3222619	0.107	Si
23	26.61	5.4	15.21	5.4						-628209	SLU 30	-628209	-3222619	0.107	Si
41	24.87	5.4	14.74	5.4						-472729	SLU 30	-628209	-3016449	0.104	Si
62	22.93	5.4	13.36	5.4						-319185	SLU 36	-543208	-2788024	0.103	Si
82	16.51	5.4	11.4	5.4	-131105	SLU 11	8158	1422107	0.084	-196621	SLU 26	-380448	-2027798	0.092	Si
92	15.06	5.4	11.4	5.4	-78678	SLU 11	50716	1422107	0.084	-144437	SLU 26	-307815	-1855994	0.09	Si
113	12.16	5.4	11.4	5.4	15595	SLU 11	135288	1422094	0.084	-49143	SLU 26	-188068	-1512142	0.085	Si
133	7.6	5.4	11.4	5.4	99458	SLU 30	209923	1422093	0.084	30359	SLU 6	-87716	-970824	0.078	Si
154	7.6	5.4	11.4	5.4	181023	SLU 30	267979	1422093	0.084						Si
174	7.6	5.4	11.4	5.4	246009	SLU 30	309455	1422093	0.084						Si
195	7.6	5.4	11.4	5.4	294417	SLU 30	334352	1422093	0.084						Si
215	9.17	5.4	11.4	5.4	326245	SLU 30	342668	1422093	0.084						Si
226	9.65	5.4	11.4	5.4	335941	SLU 30	342899	1422093	0.084						Si
236	10.13	5.4	11.4	5.4	341493	SLU 30	342899	1422093	0.084						Si
246	10.62	5.4	15.75	5.4	342899	SLU 30	342899	1937371	0.091						Si
267	11.4	5.4	18.51	5.4	333275	SLU 30	342899	2264455	0.096						Si
285	11.4	5.4	19.01	5.4	310031	SLU 30	340245	2323557	0.097						Si
287	11.4	5.4	19.01	5.4	307070	SLU 30	306966	2323557	0.097						Si
308	11.4	5.4	19.01	5.4	269394	SLU 36	269394	2323557	0.097						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	15.21	5.4	1325880	SLV 15	1271691	1872306	0.087	-2529575	SLV 1	-2324685	-3222619	0.107	Si
21	26.61	5.4	15.21	5.4	1221859	SLV 15	1221216	1872306	0.087	-2161414	SLV 1	-2160019	-3222619	0.107	Si
23	26.61	5.4	15.21	5.4	1210887	SLV 15	1210887	1872306	0.087	-2126322	SLV 1	-2126322	-3222619	0.107	Si
41	24.87	5.4	14.74	5.4	1106575	SLV 15	1210887	1817643	0.086	-1804545	SLV 1	-2126322	-3016449	0.104	Si
62	22.93	5.4	13.36	5.4	980037	SLV 15	1155946	1654187	0.085	-1458977	SLV 1	-1952553	-2788024	0.103	Si
82	16.51	5.4	11.4	5.4	842265	SLV 15	1034112	1422107	0.084	-1124732	SLV 1	-1602259	-2027798	0.092	Si
92	15.06	5.4	11.4	5.4	769179	SLV 15	968976	1422107	0.084	-961869	SLV 1	-1431353	-1855994	0.09	Si
113	12.16	5.4	11.4	5.4	614686	SLV 15	830286	1422094	0.084	-644739	SLV 1	-1098038	-1512142	0.085	Si
123	7.6	5.4	11.4	5.4	533372	SLV 15	756744	1422093	0.084	-490567	SLV 1	-935643	-970824	0.078	Si
133	7.6	5.4	11.4	5.4	449573	SLV 15	680423	1422093	0.084	-339548	SLV 1	-776109	-970824	0.078	Si
154	7.6	5.4	11.4	5.4	287959	SLV 13	519637	1422093	0.084	-60416	SLV 3	-465814	-970824	0.078	Si
174	7.6	5.4	11.4	5.4	326961	SLV 5	644366	1422093	0.084	-4459	SLV 11	-226276	-970824	0.078	Si
195	7.6	5.4	11.4	5.4	552797	SLV 5	880440	1422093	0.084	-157898	SLV 11	-421945	-970824	0.078	Si
215	9.17	5.4	11.4	5.4	774931	SLV 1	1125352	1422093	0.084	-330196	SLV 15	-649016	-1156546	0.08	Si
236	10.13	5.4	11.4	5.4	1024522	SLV 1	1359035	1422093	0.084	-552514	SLV 15	-887422	-1271248	0.082	Si
246	10.62	5.4	15.75	5.4	1145118	SLV 1	1471658	1937371	0.091	-667934	SLV 15	-1010867	-1328685	0.083	Si
267	11.4	5.4	18.51	5.4	1377880	SLV 1	1578051	2264455	0.096	-907268	SLV 15	-1133182	-1422107	0.084	Si
285	11.4	5.4	19.01	5.4	1578051	SLV 1	1578051	2323557	0.097	-1133182	SLV 15	-1133182	-1422107	0.084	Si
287	11.4	5.4	19.01	5.4	1599386	SLV 1	1598283	2323557	0.097	-1157910	SLV 15	-1156976	-1422107	0.084	Si
308	11.4	5.4	19.01	5.4	1809618	SLV 1	1697148	2323557	0.097	-1419856	SLV 15	-1273251	-1422107	0.084	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	15.21	5.4	251239	SLD 15	251239	1872306	0.087	-1454935	SLD 1	-1322258	-3222619	0.107	Si
21	26.61	5.4	15.21	5.4	278831	SLD 15	278756	1872306	0.087	-1218386	SLD 1	-1217559	-3222619	0.107	Si
23	26.61	5.4	15.21	5.4	280698	SLD 15	299121	1872306	0.087	-1196133	SLD 1	-1196133	-3222619	0.107	Si
41	24.87	5.4	14.74	5.4	295151	SLD 15	300204	1817643	0.086	-993121	SLD 1	-1196133	-3016449	0.104	Si
62	22.93	5.4	13.36	5.4	300204	SLD 15	300204	1654187	0.085	-779144	SLD 1	-1086113	-2788024	0.103	Si
82	16.51	5.4	11.4	5.4	293998	SLD 15	300204	1422107	0.084	-576465	SLD 1	-867416	-2027798	0.092	Si
92	15.06	5.4	11.4	5.4	286679	SLD 15	299926	1422107	0.084	-479368	SLD 1	-762302	-1855994	0.09	Si
113	12.16	5.4	11.4	5.4	263641	SLD 15	292798	1422094	0.084	-293695	SLD 1	-560550	-1512142	0.085	Si
133	7.6	5.4	11.4	5.4	229616	SLD 15	274439	1422093	0.084	-119592	SLD 1	-370125	-970824	0.078	Si
154	7.6	5.4	11.4	5.4	190850	SLD 13	285788	1422093	0.084	36693	SLD 3	-191135	-970824	0.078	Si
174	7.6	5.4	11.4	5.4	234581	SLD 5	401692	1422093	0.084	87920	SLD 11	-23531	-970824	0.078	Si
195	7.6	5.4	11.4	5.4	354704	SLD 5	517424	1422093	0.084	40194	SLD 11	-58930	-970824	0.078	Si
215	9.17	5.4	11.4	5.4	466897	SLD 1	630780	1422093	0.084	-22163	SLD 15	-154444	-1156546	0.08	Si
236	10.13	5.4	11.4	5.4	584953	SLD 1	732877	1422093	0.084	-112945	SLD 15	-261264	-1271248	0.082	Si
246	10.62	5.4	15.75	5.4	639763	SLD 1	779700	1937371	0.091	-162580	SLD 15	-318909	-1328685	0.083	Si
267	11.4	5.4	18.51	5.4	740937	SLD 1	822345	2264455	0.096	-270325	SLD 15	-377476	-1422107	0.084	Si
285	11.4	5.4	19.01	5.4	822345	SLD 1	822345	2323557	0.097	-377476	SLD 15	-377476	-1422107	0.084	Si
287	11.4	5.4	19.01	5.4	830841	SLD 1	830305	2323557	0.097	-389364	SLD 15	-388998	-1422107	0.084	Si
308	11.4	5.4	19.01	5.4	909462	SLD 1	869204	2323557	0.097	-519700	SLD 15	-445307	-1422107	0.084	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.93	0	9638	SLU 30	9638	13786	76908	0	13786	1	Si
10	0	17.96	0	9235	SLU 30	9235	12707	76908	0	12707	1	Si
21	0	16.51	0	8830	SLU 30	8830	12356	76908	0	12356	1	Si
23	0.187	16.51	0	8752	SLU 30	8752	12356	76908	21675	21675	1	Si
41	0.187	13.61	0	8022	SLU 30	8022	11586	76908	21675	21675	1	Si
62	0.187	7.6	0	7213	SLU 30	7213	9541	76908	21675	21675	1	Si
82	0.187	7.6	0	6405	SLU 30	6405	9541	76908	21675	21675	1	Si
92	0.187	7.6	0	6000	SLU 30	6000	9541	76908	21675	21675	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
113	0.164	11.4	0	5192	SLU 30	5192	10922	76908	19055	19055	1	Si
133	0.164	11.4	0	4383	SLU 30	4383	10922	76908	19055	19055	1	Si
154	0.164	11.4	0	3574	SLU 30	3574	10922	76908	19055	19055	1	Si
174	0.164	11.4	0	2773	SLU 36	2773	10922	76908	19055	19055	1	Si
195	0.164	11.4	0	2030	SLU 35	2030	10922	76908	19055	19055	1	Si
215	0.144	11.4	0	1403	SLU 26	1403	10922	76908	16673	16673	1	Si
236	0.144	11.4	0	813	SLU 26	813	10922	76908	16673	16673	1	Si
246	0.144	11.4	0	518	SLU 26	518	10922	76908	16673	16673	1	Si
246	0.144	11.4	0	-219	SLU 11	-219	-10922	-76908	-16673	-16673	1	Si
267	0.144	11.4	0	-907	SLU 11	-907	-10922	-76908	-16673	-16673	1	Si
285	0.144	11.4	0	-1625	SLU 29	-1625	-10922	-76908	-16673	-16673	1	Si
287	0	11.4	0	-1704	SLU 29	-1704	-10922	-76908	0	-10922	1	Si
308	0	15.75	0	-2514	SLU 29	-2514	-12162	-76908	0	-12162	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.93	0	18235	SLV 1	21230	13786	76908	0	13786	1	Si
0	0	13.36	0	-4802	SLV 15	-7797	-11514	-76908	0	-11514	1	Si
21	0	16.51	0	17686	SLV 1	20681	12356	76908	0	12356	1	Si
21	0	11.4	0	-5351	SLV 15	-8346	-10922	-76908	0	-10922	1	Si
23	0.187	16.51	0	17632	SLV 1	20627	12356	76908	21675	21675	1	Si
23	0.187	11.4	0	-5405	SLV 15	-8400	-10922	-76908	-21675	-21675	1	Si
41	0.187	13.61	0	17136	SLV 1	20131	11586	76908	21675	21675	1	Si
41	0.187	11.4	0	-5901	SLV 15	-8896	-10922	-76908	-21675	-21675	1	Si
62	0.187	7.6	0	16586	SLV 1	19580	9541	76908	21675	21675	1	Si
62	0.187	11.4	0	-6451	SLV 15	-9446	-10922	-76908	-21675	-21675	1	Si
82	0.187	7.6	0	16035	SLV 1	19030	9541	76908	21675	21675	1	Si
82	0.187	11.4	0	-7002	SLV 15	-9996	-10922	-76908	-21675	-21675	1	Si
92	0.187	7.6	0	15760	SLV 1	18755	9541	76908	21675	21675	1	Si
92	0.187	11.4	0	-7277	SLV 15	-10272	-10922	-76908	-21675	-21675	1	Si
113	0.164	7.6	0	15210	SLV 1	18205	9541	76908	19055	19055	1	Si
113	0.164	11.4	0	-7827	SLV 15	-10822	-10922	-76908	-19055	-19055	1	Si
133	0.164	7.6	0	14660	SLV 1	17655	9541	76908	19055	19055	1	Si
133	0.164	11.4	0	-8377	SLV 15	-11372	-10922	-76908	-19055	-19055	1	Si
154	0.164	9.17	0	14110	SLV 1	17105	10155	76908	19055	19055	1	Si
154	0.164	11.4	0	-8927	SLV 15	-11922	-10922	-76908	-19055	-19055	1	Si
174	0.164	11.4	0	13559	SLV 1	16554	10922	76908	19055	19055	1	Si
174	0.164	11.4	0	-9478	SLV 15	-12472	-10922	-76908	-19055	-19055	1	Si
195	0.164	11.4	0	13009	SLV 1	16004	10922	76908	19055	19055	1	Si
195	0.164	7.6	0	-10028	SLV 15	-13023	-9541	-76908	-19055	-19055	1	Si
215	0.144	11.4	0	12459	SLV 1	15454	10922	76908	16673	16673	1	Si
215	0.144	7.6	0	-10578	SLV 15	-13573	-9541	-76908	-16673	-16673	1	Si
236	0.144	11.4	0	11909	SLV 1	14903	10922	76908	16673	16673	1	Si
236	0.144	7.6	0	-11128	SLV 15	-14123	-9541	-76908	-16673	-16673	1	Si
246	0.144	11.4	0	11633	SLV 1	14628	10922	76908	16673	16673	1	Si
246	0.144	7.6	0	-11404	SLV 15	-14398	-9541	-76908	-16673	-16673	1	Si
267	0.144	11.4	0	11083	SLV 1	14078	10922	76908	16673	16673	1	Si
267	0.144	7.6	0	-11954	SLV 15	-14949	-9541	-76908	-16673	-16673	1	Si
285	0.144	11.4	0	10586	SLV 1	13581	10922	76908	16673	16673	1	Si
285	0.144	9.65	0	-12451	SLV 15	-15445	-10330	-76908	-16673	-16673	1	Si
287	0	11.4	0	10533	SLV 1	13528	10922	76908	0	10922	1	Si
287	0	9.65	0	-12504	SLV 15	-15499	-10330	-76908	0	-10330	1	Si
308	0	15.75	0	9981	SLV 1	12976	12162	76908	0	12162	1	Si
308	0	10.62	0	-13056	SLV 15	-16050	-10664	-76908	0	-10664	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.93	0	11814	SLD 1	11814	13786	76908	0	13786	1	Si
21	0	16.51	0	11265	SLD 1	11265	12356	76908	0	12356	1	Si
23	0.187	16.51	0	11211	SLD 1	11211	12356	76908	21675	21675	1	Si
41	0.187	13.61	0	10715	SLD 1	10715	11586	76908	21675	21675	1	Si
62	0.187	7.6	0	10164	SLD 1	10164	9541	76908	21675	21675	1	Si
62	0.187	11.4	0	-30	SLD 15	-30	-10922	-76908	-21675	-21675	1	Si
82	0.187	7.6	0	9614	SLD 1	9614	9541	76908	21675	21675	1	Si
82	0.187	11.4	0	-580	SLD 15	-580	-10922	-76908	-21675	-21675	1	Si
92	0.187	7.6	0	9339	SLD 1	9339	9541	76908	21675	21675	1	Si
92	0.187	11.4	0	-856	SLD 15	-856	-10922	-76908	-21675	-21675	1	Si
113	0.164	7.6	0	8789	SLD 1	8789	9541	76908	19055	19055	1	Si
113	0.164	11.4	0	-1406	SLD 15	-1406	-10922	-76908	-19055	-19055	1	Si
133	0.164	7.6	0	8239	SLD 1	8239	9541	76908	19055	19055	1	Si
133	0.164	11.4	0	-1956	SLD 15	-1956	-10922	-76908	-19055	-19055	1	Si
154	0.164	11.4	0	7689	SLD 1	7689	10922	76908	19055	19055	1	Si
154	0.164	11.4	0	-2506	SLD 15	-2506	-10922	-76908	-19055	-19055	1	Si
174	0.164	11.4	0	7138	SLD 1	7138	10922	76908	19055	19055	1	Si
174	0.164	11.4	0	-3056	SLD 15	-3056	-10922	-76908	-19055	-19055	1	Si
195	0.164	11.4	0	6588	SLD 1	6588	10922	76908	19055	19055	1	Si
195	0.164	11.4	0	-3607	SLD 15	-3607	-10922	-76908	-19055	-19055	1	Si
215	0.144	11.4	0	6038	SLD 1	6038	10922	76908	16673	16673	1	Si
215	0.144	7.6	0	-4157	SLD 15	-4157	-9541	-76908	-16673	-16673	1	Si
236	0.144	11.4	0	5487	SLD 1	5487	10922	76908	16673	16673	1	Si
236	0.144	7.6	0	-4707	SLD 15	-4707	-9541	-76908	-16673	-16673	1	Si
246	0.144	11.4	0	5212	SLD 1	5212	10922	76908	16673	16673	1	Si
246	0.144	7.6	0	-4982	SLD 15	-4982	-9541	-76908	-16673	-16673	1	Si
267	0.144	11.4	0	4662	SLD 1	4662	10922	76908	16673	16673	1	Si
267	0.144	7.6	0	-5533	SLD 15	-5533	-9541	-76908	-16673	-16673	1	Si
285	0.144	11.4	0	4165	SLD 1	4165	10922	76908	16673	16673	1	Si
285	0.144	9.65	0	-6029	SLD 15	-6029	-10330	-76908	-16673	-16673	1	Si
287	0	11.4	0	4112	SLD 1	4112	10922	76908	0	10922	1	Si
287	0	9.65	0	-6083	SLD 15	-6083	-10330	-76908	0	-10330	1	Si
308	0	15.75	0	3560	SLD 1	3560	12162	76908	0	12162	1	Si
308	0	10.62	0	-6634	SLD 15	-6634	-10664	-76908	0	-10664	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-625369	3	-545420	13.5	124.5	357.1	1837	-601848	2	-526497	13.1	93.4	0	+∞	Si
21	-485324	3	-484928	12	124.5	317.5	1837	-469777	2	-469402	11.6	93.4	0	+∞	Si
23	-472550	3	-472550	11.7	124.5	309.4	1837	-457718	2	-457718	11.4	93.4	0	+∞	Si
41	-357426	3	-472550	12	124.5	330.3	1837	-348985	2	-457718	11.7	93.4	0	+∞	Si
62	-243421	9	-409623	10.9	124.5	309.9	1837	-239470	2	-398303	10.6	93.4	0	+∞	Si
82	-149307	8	-289015	8.8	124.5	300.2	1837	-146658	1	-284074	8.6	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
92	-107272	8	-234954	7.3	124.5	266.6	1837	-105091	1	-231188	7.2	93.4	0	+∞	Si
113	-30682	8	-142417	4.8	124.5	198.6	1837	-29436	1	-139845	4.7	93.4	0	+∞	Si
133	67779	3	150582	5.5	124.5	224.2	1837	55012	2	134799	4.9	93.4	0	+∞	Si
154	128858	3	194432	7.1	124.5	289.5	1837	113771	2	177562	6.4	93.4	0	+∞	Si
174	177787	3	226130	8.2	124.5	336.7	1837	161251	2	209045	7.6	93.4	0	+∞	Si
195	214565	3	245678	8.9	124.5	365.8	1837	197449	2	229247	8.3	93.4	0	+∞	Si
215	239192	3	253073	9	124.5	376.3	1837	222367	2	238168	8.5	93.4	0	+∞	Si
236	251668	3	253349	8.9	124.5	376.4	1837	236004	2	238592	8.4	93.4	0	+∞	Si
246	253349	3	253349	7.9	124.5	275.7	1837	238592	2	238592	7.4	93.4	0	+∞	Si
267	247597	3	253349	7.4	124.5	235.9	1837	235306	2	238592	7	93.4	0	+∞	Si
285	231735	3	252034	7.3	124.5	228.7	1837	222435	2	238366	6.9	93.4	0	+∞	Si
287	229692	3	229610	6.6	124.5	208.4	1837	220738	2	220653	6.4	93.4	0	+∞	Si
308	203041	9	203041	5.9	124.5	184.3	1837	194881	2	194881	5.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	2	-0.001	2	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	2	-0.001	2	9999	Si
41	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
62	0	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	2	-0.002	2	9999	Si
82	0.001	0	0	0	0	0	0	0	0	0	0	2	-0.001	2	9999	Si
92	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0	2	9999	Si
113	0.002	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
133	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	2	0.002	2	9999	Si
154	0.003	0.002	0.002	0.001	0.003	0.002	0.002	0.001	0.003	0.002	0.005	2	0.004	2	9999	Si
174	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
195	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.003	0.003	0.007	2	0.005	2	9999	Si
205	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.004	0.003	0.007	2	0.006	2	9999	Si
215	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
236	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
246	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
267	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
285	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
287	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	6114	14513	21675	SLV 1	0.39	843	1.072	-457718	1668605	1872306	SLV 15	0.5	1679	1.422	Si
41	5617	14513	21675	SLV 1	0.4	910	1.106	-457718	1668605	1817643	SLV 15	0.49	1575	1.385	Si
62	5067	14513	21675	SLV 1	0.41	990	1.145	-398303	1554250	1654187	SLV 15	0.47	1446	1.337	Si
82	4517	14513	21675	SLV 1	0.43	1079	1.186	-284074	1318185	1422107	SLV 15	0.47	1371	1.308	Si
92	4242	14513	21675	SLV 1	0.43	1125	1.206	-231188	-1200165	-1855994	SLV 1	0.49	1545	1.374	Si
113	3692	14513	19055	SLV 1	0.38	817	1.058	-133876	-964162	-1512142	SLV 1	0.51	1787	1.458	Si
133	3141	14513	19055	SLV 1	0.4	891	1.096	-47843	-728266	-970824	SLV 1	0.46	1297	1.279	Si
154	2591	14513	19055	SLV 1	0.41	968	1.134	26911	-492726	-970824	SLV 1	0.57	2474	1.666	Si
174	2041	14513	19055	SLV 1	0.42	1055	1.175	209045	-435321	-970824	SLV 11	0.57	2474	1.666	Si
195	1491	14513	19055	SLV 1	0.44	1148	1.216	229247	651193	1422093	SLV 1	0.57	2474	1.666	Si
215	940	14513	16673	SLV 1	0.39	866	1.084	238168	887184	1422093	SLV 1	0.48	1487	1.352	Si
236	390	14513	16673	SLV 1	0.41	942	1.122	235806	1123229	1422093	SLV 1	0.38	813	1.056	Si
246	115	14513	16673	SLV 1	0.41	982	1.141	230395	-1241262	-1328685	SLV 15	0.45	1266	1.266	Si
267	-435	-14513	-16673	SLV 15	0.41	936	1.119	222435	-1355616	-1422107	SLV 15	0.44	1155	1.219	Si
285	-932	-14513	-16673	SLV 15	0.39	867	1.084	222435	-1355616	-1422107	SLV 15	0.44	1155	1.219	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	6114	5097	21675	SLD 1	0.41	959	2.843	-457718	738416	1872306	SLD 15	0.42	1048	2.948	Si
41	5617	5097	21675	SLD 1	0.42	1043	2.943	-457718	738416	1817643	SLD 15	0.41	983	2.872	Si
62	5067	5097	21675	SLD 1	0.44	1143	3.055	-398303	-687810	-2788024	SLD 1	0.46	1354	3.275	Si
82	4517	5097	21675	SLD 1	0.45	1246	3.165	-284074	-583343	-2027798	SLD 1	0.4	912	2.785	Si
92	4242	5097	21675	SLD 1	0.46	1299	3.22	-231188	-531114	-1855994	SLD 1	0.41	965	2.85	Si
113	3692	5097	19055	SLD 1	0.4	930	2.807	-133876	-426674	-1512142	SLD 1	0.43	1117	3.026	Si
133	3141	5097	19055	SLD 1	0.42	1018	2.913	-47843	-322282	-970824	SLD 1	0.39	822	2.669	Si
154	2591	5097	19055	SLD 1	0.43	1117	3.026	26911	-218046	-970824	SLD 1	0.6	2474	4.193	Si
174	2041	5097	19055	SLD 1	0.45	1218	3.136	209045	-192646	-970824	SLD 11	0.6	2474	4.193	Si
195	1491	5097	19055	SLD 1	0.46	1325	3.246	229247	288177	1422093	SLD 1	0.55	2162	3.967	Si
215	940	5097	16673	SLD 1	0.41	987	2.877	238168	392612	1422093	SLD 1	0.4	931	2.809	Si
236	390	5097	16673	SLD 1	0.43	1083	2.988	235806	497070	1422093	SLD 1	0.32	527	2.224	Si
246	115	5097	16673	SLD 1	0.43	1134	3.045	230395	-549304	-1328685	SLD 15	0.38	803	2.643	Si
267	-435	-5097	-16673	SLD 15	0.43	1076	2.98	222435	-599910	-1422107	SLD 15	0.37	738	2.553	Si
285	-932	-5097	-16673	SLD 15	0.41	988	2.878	222435	-599910	-1422107	SLD 15	0.37	738	2.553	Si

Campata 7 tra i fili 9 - 9A, sezione R 45x70, asta 988

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	19.01	5.4	411787	SLU 36	411787	2323557	0.097						Si
18	11.4	5.4	19.01	5.4	455640	SLU 36	455640	2323557	0.097						Si
23	11.4	5.4	19.01	5.4	464340	SLU 36	508186	2323557	0.097						Si
36	11.4	5.4	19.01	5.4	487422	SLU 36	518925	2323557	0.097						Si
54	10.97	5.4	18	5.4	510962	SLU 30	522555	2204660	0.095						Si
72	10.12	5.4	15.58	5.4	521900	SLU 30	522555	1917428	0.091						Si
81	9.7	5.4	11.4	5.4	522555	SLU 30	522555	1422093	0.084						Si
99	7.6	5.4	11.4	5.4	514233	SLU 30	522555	1422093	0.084						Si
117	7.6	5.4	11.4	5.4	493067	SLU 30	520587	1422093	0.084						Si
135	7.6	5.4	11.4	5.4	459054	SLU 30	507320	1422093	0.084						Si
153	7.6	5.4	11.4	5.4	412192	SLU 30	481208	1422093	0.084						Si
171	7.6	5.4	12.99	5.4	352477	SLU 30	442249	1610201	0.087						Si
189	15.98	5.4	14.2	5.4	279906	SLU 30	390439	1753483	0.087						Si
207	19.37	5.4	11.98	5.4	194477	SLU 30	325775	1490646	0.084						Si
216	21.07	5.4	18.57	6.1	146940	SLU 30	288622	2243647	0.092	83193	SLU 1	-35058	-2594734	0.103	Si
234	22.81	5.4	18.26	6.7	42218	SLU 30	204671	2188344	0.092	17694	SLU 1	-47831	-2815868	0.115	Si
247	22.81	5.4	22.81	6.7	-33315	SLU 18	133237	2711944	0.097	-47831	SLU 19	-47831	-2832757	0.114	Si
252	22.81	5.4	22.81	6.7						-76053	SLU 29	-73042	-2832757	0.114	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
270	22.81	5.4	22.81	6.7						-206151	SLU 29	-121220	-2832757	0.114	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	19.01	5.4	1986854	SLV 13	1868384	2323557	0.097	-1393320	SLV 3	-1230563	-1422107	0.084	Si
18	11.4	5.4	19.01	5.4	1791812	SLV 13	1787155	2323557	0.097	-1135273	SLV 3	-1129368	-1422107	0.084	Si
23	11.4	5.4	19.01	5.4	1741464	SLV 13	1741464	2323557	0.097	-1072446	SLV 3	-1072446	-1422107	0.084	Si
36	11.4	5.4	19.01	5.4	1588313	SLV 13	1741464	2323557	0.097	-886221	SLV 3	-1072446	-1422107	0.084	Si
54	10.97	5.4	18	5.4	1376437	SLV 13	1714276	2204660	0.095	-646251	SLV 3	-1038519	-1370623	0.083	Si
72	10.12	5.4	15.58	5.4	1156319	SLV 13	1507542	1917428	0.091	-415498	SLV 3	-792953	-1269998	0.082	Si
81	9.7	5.4	11.4	5.4	1043242	SLV 13	1401042	1422093	0.084	-303653	SLV 3	-673585	-1219497	0.081	Si
99	7.6	5.4	11.4	5.4	872121	SLV 9	1181867	1422093	0.084	-148095	SLV 7	-441767	-970824	0.078	Si
117	7.6	5.4	11.4	5.4	756449	SLV 9	954681	1422093	0.084	-65455	SLV 7	-219402	-970824	0.078	Si
135	7.6	5.4	11.4	5.4	695992	SLV 5	827936	1422093	0.084	-55503	SLV 11	-277941	-970824	0.078	Si
153	7.6	5.4	11.4	5.4	698991	SLV 1	958415	1422093	0.084	-126484	SLV 15	-532998	-970824	0.078	Si
171	7.6	5.4	12.99	5.4	861601	SLV 1	1111090	1610201	0.087	-374555	SLV 15	-799373	-971027	0.078	Si
189	15.98	5.4	14.2	5.4	1018052	SLV 1	1257749	1753483	0.087	-633952	SLV 15	-1077220	-1964695	0.09	Si
207	19.37	5.4	11.98	5.4	1168392	SLV 1	1398421	1490646	0.084	-904724	SLV 15	-1366574	-2366943	0.097	Si
216	21.07	5.4	18.57	6.1	1241318	SLV 1	1466459	2243647	0.092	-1044425	SLV 15	-1515514	-2594734	0.103	Si
234	22.81	5.4	18.26	6.7	1382689	SLV 1	1484502	2188344	0.092	-1332466	SLV 15	-1556310	-2815868	0.115	Si
247	22.81	5.4	22.81	6.7	1484502	SLV 1	1484502	2711944	0.097	-1556310	SLV 15	-1556310	-2832757	0.114	Si
252	22.81	5.4	22.81	6.7	1517914	SLV 1	1510209	2711944	0.097	-1631857	SLV 15	-1619938	-2832757	0.114	Si
270	22.81	5.4	22.81	6.7	1646633	SLV 1	1555911	2711944	0.097	-1942242	SLV 15	-1733056	-2832757	0.114	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	19.01	5.4	1044686	SLD 13	1004604	2323557	0.097	-451152	SLD 3	-366782	-1422107	0.084	Si
18	11.4	5.4	19.01	5.4	975936	SLD 13	974223	2323557	0.097	-319396	SLD 3	-316435	-1422107	0.084	Si
23	11.4	5.4	19.01	5.4	957133	SLD 13	957133	2323557	0.097	-288115	SLD 3	-288115	-1422107	0.084	Si
36	11.4	5.4	19.01	5.4	898577	SLD 13	957133	2323557	0.097	-196486	SLD 3	-288115	-1422107	0.084	Si
54	10.97	5.4	18	5.4	812647	SLD 13	946980	2204660	0.095	-82461	SLD 3	-271223	-1370623	0.083	Si
72	10.12	5.4	15.58	5.4	718202	SLD 13	866317	1917428	0.091	22619	SLD 3	-151729	-1269998	0.082	Si
81	9.7	5.4	11.4	5.4	667818	SLD 13	822775	1422093	0.084	71771	SLD 3	-95317	-1219497	0.081	Si
99	7.6	5.4	11.4	5.4	587755	SLD 9	729307	1422093	0.084						Si
117	7.6	5.4	11.4	5.4	527360	SLD 9	627426	1422093	0.084						Si
135	7.6	5.4	11.4	5.4	486527	SLD 5	565126	1422093	0.084						Si
153	7.6	5.4	11.4	5.4	468903	SLD 1	542707	1422093	0.084	103605	SLD 15	-117290	-970824	0.078	Si
171	7.6	5.4	12.99	5.4	517041	SLD 1	578578	1610201	0.087	-29996	SLD 15	-266861	-971027	0.078	Si
189	15.98	5.4	14.2	5.4	557582	SLD 1	606913	1753483	0.087	-173481	SLD 15	-426384	-1964695	0.09	Si
207	19.37	5.4	11.98	5.4	590543	SLD 1	627722	1490646	0.084	-326875	SLD 15	-595875	-2366943	0.097	Si
216	21.07	5.4	18.57	6.1	604203	SLD 1	635280	2243647	0.092	-407310	SLD 15	-684335	-2594734	0.103	Si
234	22.81	5.4	18.26	6.7	625882	SLD 1	636923	2188344	0.092	-575659	SLD 15	-708731	-2815868	0.115	Si
247	22.81	5.4	22.81	6.7	636923	SLD 1	636923	2711944	0.097	-708731	SLD 15	-708731	-2832757	0.114	Si
252	22.81	5.4	22.81	6.7	639964	SLD 1	637729	2711944	0.097	-753907	SLD 15	-747459	-2832757	0.114	Si
270	22.81	5.4	22.81	6.7	646290	SLD 1	639162	2711944	0.097	-941899	SLD 15	-816308	-2832757	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.79	0	3121	SLU 29	3121	12425	76908	0	12425	1	Si
18	0	11.4	0	2410	SLU 29	2410	10922	76908	0	10922	1	Si
23	0.158	11.4	0	2232	SLU 29	2232	10922	76908	18340	18340	1	Si
36	0.158	11.4	0	1697	SLU 29	1697	10922	76908	18340	18340	1	Si
54	0.158	11.4	0	984	SLU 29	984	10922	76908	18340	18340	1	Si
72	0.158	11.4	0	336	SLU 11	336	10922	76908	18340	18340	1	Si
72	0.158	11.4	0	-256	SLU 26	-256	-10922	-76908	-18340	-18340	1	Si
81	0.158	11.4	0	32	SLU 11	32	10922	76908	18340	18340	1	Si
81	0.158	11.4	0	-515	SLU 26	-515	-10922	-76908	-18340	-18340	1	Si
99	0.166	11.4	0	-1035	SLU 26	-1035	-10922	-76908	-19223	-19223	1	Si
117	0.166	13.59	0	-1603	SLU 35	-1603	-11580	-76908	-19223	-19223	1	Si
135	0.166	13.4	0	-2261	SLU 36	-2261	-11525	-76908	-19223	-19223	1	Si
153	0.166	11.4	0	-2960	SLU 30	-2960	-10922	-76908	-19223	-19223	1	Si
171	0.166	11.4	0	-3675	SLU 30	-3675	-10922	-76908	-19223	-19223	1	Si
189	0.187	11.4	0	-4389	SLU 30	-4389	-10922	-76908	-21675	-21675	1	Si
207	0.187	11.4	0	-5103	SLU 30	-5103	-10922	-76908	-21675	-21675	1	Si
216	0.187	11.4	0	-5461	SLU 30	-5461	-10862	-76046	-21432	-21432	1	Si
234	0.187	12.99	0	-6175	SLU 30	-6175	-11296	-75400	-21249	-21249	1	Si
247	0.187	14.28	0	-6711	SLU 30	-6711	-11773	-76908	-21675	-21675	1	Si
252	0	15.98	0	-6890	SLU 30	-6890	-12222	-76908	0	-12222	1	Si
270	0	19.37	0	-7605	SLU 30	-7605	-13032	-76908	0	-13032	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.55	0	14660	SLV 3	17954	10641	76908	0	10641	1	Si
0	0	16.79	0	-10677	SLV 13	-13970	-12425	-76908	0	-12425	1	Si
18	0	9.7	0	14176	SLV 3	17470	10347	76908	0	10347	1	Si
18	0	11.4	0	-11161	SLV 13	-14454	-10922	-76908	0	-10922	1	Si
23	0.158	9.27	0	14055	SLV 3	17349	10194	76908	18340	18340	1	Si
23	0.158	11.4	0	-11282	SLV 13	-14576	-10922	-76908	-18340	-18340	1	Si
36	0.158	7.6	0	13691	SLV 3	16985	9541	76908	18340	18340	1	Si
36	0.158	11.4	0	-11645	SLV 13	-14939	-10922	-76908	-18340	-18340	1	Si
54	0.158	7.6	0	13206	SLV 3	16500	9541	76908	18340	18340	1	Si
54	0.158	11.4	0	-12130	SLV 13	-15424	-10922	-76908	-18340	-18340	1	Si
72	0.158	7.6	0	12721	SLV 3	16015	9541	76908	18340	18340	1	Si
72	0.158	11.4	0	-12615	SLV 13	-15909	-10922	-76908	-18340	-18340	1	Si
81	0.158	7.6	0	12479	SLV 3	15772	9541	76908	18340	18340	1	Si
81	0.158	11.4	0	-12858	SLV 13	-16152	-10922	-76908	-18340	-18340	1	Si
99	0.166	7.6	0	11993	SLV 3	15287	9541	76908	19223	19223	1	Si
99	0.166	11.4	0	-13343	SLV 13	-16637	-10922	-76908	-19223	-19223	1	Si
117	0.166	13.59	0	11508	SLV 3	14802	11580	76908	19223	19223	1	Si
117	0.166	13.59	0	-13829	SLV 13	-17122	-11580	-76908	-19223	-19223	1	Si
135	0.166	13.4	0	11023	SLV 3	14316	11525	76908	19223	19223	1	Si
135	0.166	13.4	0	-14314	SLV 13	-17608	-11525	-76908	-19223	-19223	1	Si
153	0.166	11.4	0	10537	SLV 3	13831	10922	76908	19223	19223	1	Si
153	0.166	11.4	0	-14799	SLV 13	-18093	-10922	-76908	-19223	-19223	1	Si
171	0.166	11.4	0	10052	SLV 3	13345	10922	76908	19223	19223	1	Si
171	0.166	7.6	0	-15285	SLV 13	-18579	-9541	-76908	-19223	-19223	1	Si
189	0.187	11.4	0	9566	SLV 3	12860	10922	76908	21675	21675	1	Si
189	0.187	7.6	0	-15771	SLV 13	-19065	-9541	-76908	-21675	-21675	1	Si
207	0.187	11.4	0	9080	SLV 3	12374	10922	76908	21675	21675	1	Si
207	0.187	7.6	0	-16257	SLV 13	-19550	-9541	-76908	-21675	-21675	1	Si
216	0.187	11.4	0	8837	SLV 3	12131	10862	76046	21432	21432	1	Si
216	0.187	7.6	0	-16499	SLV 13	-19793	-9541	-76908	-21675	-21675	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
234	0.187	12.99	0	8351	SLV 3	11645	11296	75400	21249	21249	1	Si
234	0.187	7.6	0	-16985	SLV 13	-20279	-9541	-76908	-21675	-21675	1	Si
247	0.187	13.59	0	7987	SLV 3	11280	11463	75321	21227	21227	1	Si
247	0.187	14.28	0	-17350	SLV 13	-20644	-11773	-76908	-21675	-21675	1	Si
252	0	14.2	0	7865	SLV 3	11159	11631	75321	0	11631	1	Si
252	0	15.98	0	-17472	SLV 13	-20765	-12222	-76908	0	-12222	1	Si
270	0	11.98	0	7379	SLV 3	10673	10991	75321	0	10991	1	Si
270	0	19.37	0	-17958	SLV 13	-21251	-13032	-76908	0	-13032	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.55	0	7598	SLD 3	7598	10641	76908	0	10641	1	Si
0	0	16.79	0	-3614	SLD 13	-3614	-12425	-76908	0	-12425	1	Si
18	0	9.7	0	7114	SLD 3	7114	10347	76908	0	10347	1	Si
18	0	11.4	0	-4098	SLD 13	-4098	-10922	-76908	0	-10922	1	Si
23	0.158	9.27	0	6993	SLD 3	6993	10194	76908	18340	18340	1	Si
23	0.158	11.4	0	-4220	SLD 13	-4220	-10922	-76908	-18340	-18340	1	Si
36	0.158	7.6	0	6629	SLD 3	6629	9541	76908	18340	18340	1	Si
36	0.158	11.4	0	-4583	SLD 13	-4583	-10922	-76908	-18340	-18340	1	Si
54	0.158	7.6	0	6144	SLD 3	6144	9541	76908	18340	18340	1	Si
54	0.158	11.4	0	-5068	SLD 13	-5068	-10922	-76908	-18340	-18340	1	Si
72	0.158	11.4	0	5659	SLD 3	5659	10922	76908	18340	18340	1	Si
72	0.158	11.4	0	-5553	SLD 13	-5553	-10922	-76908	-18340	-18340	1	Si
81	0.158	11.4	0	5416	SLD 3	5416	10922	76908	18340	18340	1	Si
81	0.158	11.4	0	-5796	SLD 13	-5796	-10922	-76908	-18340	-18340	1	Si
99	0.166	11.4	0	4931	SLD 3	4931	10922	76908	19223	19223	1	Si
99	0.166	11.4	0	-6281	SLD 13	-6281	-10922	-76908	-19223	-19223	1	Si
117	0.166	13.59	0	4446	SLD 3	4446	11580	76908	19223	19223	1	Si
117	0.166	13.59	0	-6766	SLD 13	-6766	-11580	-76908	-19223	-19223	1	Si
135	0.166	13.4	0	3960	SLD 3	3960	11525	76908	19223	19223	1	Si
135	0.166	13.4	0	-7252	SLD 13	-7252	-11525	-76908	-19223	-19223	1	Si
153	0.166	11.4	0	3475	SLD 3	3475	10922	76908	19223	19223	1	Si
153	0.166	11.4	0	-7737	SLD 13	-7737	-10922	-76908	-19223	-19223	1	Si
171	0.166	11.4	0	2989	SLD 3	2989	10922	76908	19223	19223	1	Si
171	0.166	11.4	0	-8223	SLD 13	-8223	-10922	-76908	-19223	-19223	1	Si
189	0.187	11.4	0	2504	SLD 3	2504	10922	76908	21675	21675	1	Si
189	0.187	7.6	0	-8709	SLD 13	-8709	-9541	-76908	-21675	-21675	1	Si
207	0.187	11.4	0	2018	SLD 3	2018	10922	76908	21675	21675	1	Si
207	0.187	7.6	0	-9194	SLD 13	-9194	-9541	-76908	-21675	-21675	1	Si
216	0.187	11.4	0	1775	SLD 3	1775	10862	76046	21432	21432	1	Si
216	0.187	7.6	0	-9437	SLD 13	-9437	-9541	-76908	-21675	-21675	1	Si
234	0.187	12.99	0	1289	SLD 3	1289	11296	75400	21249	21249	1	Si
234	0.187	7.6	0	-9923	SLD 13	-9923	-9541	-76908	-21675	-21675	1	Si
247	0.187	13.59	0	924	SLD 3	924	11463	75321	21227	21227	1	Si
247	0.187	14.28	0	-10288	SLD 13	-10288	-11773	-76908	-21675	-21675	1	Si
252	0	14.2	0	803	SLD 3	803	11631	75321	0	11631	1	Si
252	0	15.98	0	-10409	SLD 13	-10409	-12222	-76908	0	-12222	1	Si
270	0	11.98	0	317	SLD 3	317	10991	75321	0	10991	1	Si
270	0	19.37	0	-10895	SLD 13	-10895	-13032	-76908	0	-13032	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	310237	9	310237	9	124.5	281.6	1837	296767	2	296767	8.6	93.4	0	+∞	Si
18	341924	9	341924	9.9	124.5	310.3	1837	328270	2	328270	9.5	93.4	0	+∞	Si
23	348178	9	379238	11	124.5	344.2	1837	334509	2	363491	10.5	93.4	0	+∞	Si
36	364715	9	386494	11.2	124.5	350.8	1837	351046	2	369204	10.7	93.4	0	+∞	Si
54	381162	3	388431	11.5	124.5	371.5	1837	365093	2	370410	11	93.4	0	+∞	Si
72	388360	3	388431	12.2	124.5	427.3	1837	370410	2	370410	11.6	93.4	0	+∞	Si
81	388431	3	388431	13.7	124.5	577.3	1837	369795	2	370410	13.1	93.4	0	+∞	Si
99	381516	3	388431	14.1	124.5	578.3	1837	362013	2	370410	13.4	93.4	0	+∞	Si
117	365189	3	386675	14	124.5	575.7	1837	345497	2	367639	13.3	93.4	0	+∞	Si
135	339449	3	376136	13.7	124.5	560	1837	320244	2	356495	12.9	93.4	0	+∞	Si
153	304294	3	356185	12.9	124.5	530.3	1837	286254	2	336616	12.2	93.4	0	+∞	Si
171	259720	3	326821	11.3	124.5	429.3	1837	243523	2	307999	10.7	93.4	0	+∞	Si
189	205728	3	288039	8.7	124.5	344.7	1837	192050	2	270644	8.1	93.4	0	+∞	Si
207	142313	3	239840	7.4	124.5	337.8	1837	131834	2	224547	6.9	93.4	0	+∞	Si
216	107072	3	212208	5.6	124.5	200.6	1837	98446	2	198221	5.2	93.4	0	+∞	Si
234	29522	3	149877	3.9	124.5	146.7	1837	25111	2	139010	3.7	93.4	0	+∞	Si
247	-36303	1	-36303	0.9	124.5	27.6	1837	-36303	1	-36303	0.9	93.4	0	+∞	Si
252	-57912	2	-55684	1.4	124.5	42.3	1837	-56972	2	-54865	1.3	93.4	0	+∞	Si
270	-154080	2	-91323	2.2	124.5	69.3	1837	-147804	2	-88573	2.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
23	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
36	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
54	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
72	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
81	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.014	2	0.013	2	9999	Si
99	0.008	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.014	2	9999	Si
117	0.008	0.007	0.007	0.006	0.008	0.007	0.006	0.006	0.008	0.007	0.016	2	0.015	2	9999	Si
135	0.008	0.007	0.007	0.006	0.008	0.007	0.006	0.006	0.007	0.007	0.016	2	0.014	2	9999	Si
153	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.015	2	0.014	2	9999	Si
171	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
189	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
207	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
216	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.007	2	9999	Si
234	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.005	2	9999	Si
247	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
252	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1387	15962	18340	SLV 3	0.39	824	1.062	334509	-1406955	-1422107	SLV 3	0.45	1247	1.258	Si
36	1023	15962	18340	SLV 3	0.39	868	1.085	334509	-1406955	-1422107	SLV 3	0.45	1247	1.258	Si
54	538	15962	18340	SLV 3	0.4	928	1.115	337878	-1376397	-1370623	SLV 3	0.45	1227	1.25	Si
72	53	15962	18340	SLV 3	0.41	993	1.146	357294	1150248	1917428	SLV 13	0.49	1553	1.377	Si
81	-190	-15962	-18340	SLV 13	0.41	973	1.137	363729	1037313	1422093	SLV 13	0.37	747	1.02	Si
99	-675	-15962	-19223	SLV 13	0.42	1031	1.164	370050	811817	1422093	SLV 13	0.47	1376	1.31	Si
117	-1160	-15962	-19223	SLV 13	0.41	962	1.131	367639	587041	1422093	SLV 13	0.57	2474	1.666	Si
135	-1646	-15962	-19223	SLV 13	0.4	900	1.101	260816	538757	1422093	SLV 1	0.57	2474	1.666	Si
153	-2131	-15962	-19223	SLV 13	0.39	841	1.071	212709	-745707	-970824	SLV 15	0.56	2365	1.636	Si
171	-2617	-15962	-19223	SLV 13	0.38	783	1.04	155859	-955231	-971027	SLV 15	0.43	1073	1.183	Si
189	-3102	-15962	-21675	SLV 13	0.42	1034	1.165	90264	1167484	1753483	SLV 1	0.51	1771	1.453	Si
207	-3588	-15962	-21675	SLV 13	0.41	965	1.133	15923	1382498	1490646	SLV 1	0.39	833	1.066	Si
216	-3831	-15962	-21675	SLV 13	0.41	934	1.118	-24527	1490986	2243647	SLV 1	0.54	2111	1.561	Si
234	-4317	-15962	-21675	SLV 13	0.39	873	1.087	-35904	1520406	2188344	SLV 1	0.52	1901	1.496	Si
247	-4682	-15962	-21675	SLV 13	0.39	829	1.064	-35904	1520406	2711944	SLV 1	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1387	5606	18340	SLD 3	0.41	938	2.817	334509	-622624	-1422107	SLD 3	0.38	792	2.628	Si
36	1023	5606	18340	SLD 3	0.41	989	2.879	334509	-622624	-1422107	SLD 3	0.38	792	2.628	Si
54	538	5606	18340	SLD 3	0.43	1065	2.968	337878	-609101	-1370623	SLD 3	0.38	780	2.612	Si
72	53	5606	18340	SLD 3	0.44	1146	3.058	357294	509023	1917428	SLD 13	0.41	970	2.856	Si
81	-190	-5606	-18340	SLD 13	0.43	1123	3.033	363729	459046	1422093	SLD 13	0.31	487	2.153	Si
99	-675	-5606	-19223	SLD 13	0.44	1190	3.106	370050	359257	1422093	SLD 13	0.39	867	2.728	Si
117	-1160	-5606	-19223	SLD 13	0.43	1109	3.017	367639	259786	1422093	SLD 13	0.54	2051	3.883	Si
135	-1646	-5606	-19223	SLD 13	0.42	1030	2.927	260816	238416	1422093	SLD 1	0.6	2474	4.193	Si
153	-2131	-5606	-19223	SLD 13	0.41	957	2.841	212709	-329998	-970824	SLD 15	0.48	1473	3.39	Si
171	-2617	-5606	-19223	SLD 13	0.4	891	2.759	155859	-422720	-971027	SLD 15	0.36	690	2.484	Si
189	-3102	-5606	-21675	SLD 13	0.44	1194	3.11	90264	516648	1753483	SLD 1	0.43	1106	3.014	Si
207	-3588	-5606	-21675	SLD 13	0.43	1113	3.022	15923	611798	1490646	SLD 1	0.33	541	2.248	Si
216	-3831	-5606	-21675	SLD 13	0.43	1073	2.977	-24527	659808	2243647	SLD 1	0.46	1317	3.238	Si
234	-4317	-5606	-21675	SLD 13	0.42	996	2.887	-35904	672827	2188344	SLD 1	0.44	1188	3.104	Si
247	-4682	-5606	-21675	SLD 13	0.41	943	2.823	-35904	672827	2711944	SLD 1	0.54	2086	3.91	Si

Campata 8 tra i fili 9A - 10, sezione R 45x70, asta 989

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	6.7	384202	SLU 36	348674	2711944	0.097						Si
6	22.81	5.4	22.81	6.7	362893	SLU 36	344921	2711944	0.097						Si
13	22.81	5.4	22.81	6.7	340006	SLU 36	333661	2711944	0.097						Si
19	22.81	5.4	22.81	6.7	315540	SLU 36	314894	2711944	0.097						Si
23	22.81	5.4	22.81	6.7	303701	SLU 36	303701	2711944	0.097						Si
26	22.81	5.4	22.81	6.7	289494	SLU 36	303701	2711944	0.097						Si
29	22.81	5.4	22.81	6.7	275879	SLU 36	303701	2711944	0.097						Si
36	22.81	5.4	22.81	6.7	248414	SLU 35	303701	2711944	0.097						Si
42	22.81	5.4	22.81	6.7	223632	SLU 35	303701	2711944	0.097						Si
49	22.81	5.4	22.81	6.7	200909	SLU 26	303701	2711944	0.097						Si
55	22.81	5.4	22.81	6.7	178163	SLU 22	288740	2711944	0.097						Si
62	22.81	5.4	22.81	6.7	154921	SLU 22	261071	2711944	0.097						Si
68	22.81	5.4	22.81	6.7	130455	SLU 22	235496	2711944	0.097						Si
75	22.81	5.4	22.81	6.7	105413	SLU 19	211355	2711944	0.097						Si
75	22.81	5.4	22.81	6.7	104431	SLU 19	210505	2711944	0.097						Si
78	22.81	5.4	22.81	6.7	92646	SLU 19	92646	2711944	0.097	-15816	SLU 12	-14586	-2832757	0.114	Si
84	22.81	5.4	22.81	6.7	66196	SLU 19	66196	2711944	0.097	-52625	SLU 12	-40177	-2832757	0.114	Si
91	22.81	5.4	22.81	6.7	38521	SLU 19	38521	2711944	0.097	-90864	SLU 12	-55531	-2832757	0.114	Si
97	22.81	5.4	22.81	6.7	9624	SLU 19	9624	2711944	0.097	-130534	SLU 12	-60649	-2832757	0.114	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	6.7	1323147	SLV 13	1118102	2711944	0.097	-783606	SLV 3	-622420	-2832757	0.114	Si
6	22.81	5.4	22.81	6.7	1210080	SLV 13	1102575	2711944	0.097	-697010	SLV 3	-611693	-2832757	0.114	Si
13	22.81	5.4	22.81	6.7	1097101	SLV 13	1055993	2711944	0.097	-612784	SLV 3	-579512	-2832757	0.114	Si
19	22.81	5.4	22.81	6.7	984170	SLV 13	978357	2711944	0.097	-530890	SLV 3	-525876	-2832757	0.114	Si
23	22.81	5.4	22.81	6.7	932051	SLV 13	932051	2711944	0.097	-493885	SLV 3	-493885	-2832757	0.114	Si
26	22.81	5.4	22.81	6.7	871240	SLV 13	932051	2711944	0.097	-451280	SLV 3	-493885	-2832757	0.114	Si
29	22.81	5.4	22.81	6.7	814768	SLV 13	932051	2711944	0.097	-412323	SLV 3	-493885	-2832757	0.114	Si
36	22.81	5.4	22.81	6.7	701840	SLV 13	932051	2711944	0.097	-336139	SLV 3	-493885	-2832757	0.114	Si
42	22.81	5.4	22.81	6.7	609309	SLV 9	932051	2711944	0.097	-282636	SLV 7	-493885	-2832757	0.114	Si
49	22.81	5.4	22.81	6.7	580749	SLV 9	932051	2711944	0.097	-295387	SLV 7	-493885	-2832757	0.114	Si
55	22.81	5.4	22.81	6.7	554203	SLV 9	868113	2711944	0.097	-312436	SLV 7	-485192	-2832757	0.114	Si
62	22.81	5.4	22.81	6.7	536959	SLV 5	755169	2711944	0.097	-341070	SLV 11	-485192	-2832757	0.114	Si
68	22.81	5.4	22.81	6.7	551316	SLV 5	642313	2711944	0.097	-403591	SLV 11	-485192	-2832757	0.114	Si
75	22.81	5.4	22.81	6.7	579322	SLV 5	594079	2711944	0.097	-482044	SLV 11	-485192	-2832757	0.114	Si
75	22.81	5.4	22.81	6.7	580464	SLV 5	592994	2711944	0.097	-485192	SLV 11	-485192	-2832757	0.114	Si
78	22.81	5.4	22.81	6.7	594166	SLV 5	594166	2711944	0.097	-522967	SLV 11	-522967	-2832757	0.114	Si
84	22.81	5.4	22.81	6.7	624133	SLV 5	623565	2711944	0.097	-606808	SLV 11	-587875	-2832757	0.114	Si
91	22.81	5.4	22.81	6.7	653940	SLV 5	639763	2711944	0.097	-692773	SLV 11	-626467	-2832757	0.114	Si
97	22.81	5.4	22.81	6.7	683296	SLV 5	645163	2711944	0.097	-780573	SLV 11	-639331	-2832757	0.114	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	6.7	735931	SLD 13	632964	2711944	0.097	-196389	SLD 3	-137282	-2832757	0.114	Si
6	22.81	5.4	22.81	6.7	678516	SLD 13	624755	2711944	0.097	-165445	SLD 3	-133873	-2832757	0.114	Si
13	22.81	5.4	22.81	6.7	620503	SLD 13	600127	2711944	0.097	-136186	SLD 3	-123645	-2832757	0.114	Si
19	22.81	5.4	22.81	6.7	561876	SLD 13	559080	2711944	0.097	-108595	SLD 3	-106599	-2832757	0.114	Si
23	22.81	5.4	22.81	6.7	534598	SLD 13	534598	2711944	0.097	-96432	SLD 3	-96432	-2832757	0.114	Si
26	22.81	5.4	22.81	6.7	502612	SLD 13	534598	2711944	0.097	-82651	SLD 3	-96432	-2832757	0.114	Si
29	22.81	5.4	22.81	6.7	472738	SLD 13	534598	2711944	0.097	-70293	SLD 3	-96432	-2832757	0.114	Si
36	22.81	5.4	22.81	6.7	412520	SLD 13	534598	2711944	0.097	-46819	SLD 3	-114000	-2832757	0.114	Si
42	22.81	5.4	22.81	6.7	360683	SLD 9	534598	2711944	0.097	-34010	SLD 7	-160047	-2832757	0.114	Si
49	22.81	5.4	22.81	6.7	336526	SLD 9	534598	2711944	0.097	-51165	SLD 7	-188132	-2832757	0.114	Si
55	22.81	5.4	22.81	6.7	312624	SLD 9	500957	2711944	0.097	-70857	SLD 7	-188132	-2832757	0.114	Si
62	22.81	5.4	22.81	6.7	292198	SLD 5	441034	2711944	0.097	-96310	SLD 11	-188132	-2832757	0.114	Si
68	22.81	5.4	22.81	6.7	285126	SLD 5	380511	2711944	0.097	-137401	SLD 11	-188132	-2832757	0.114	Si
75	22.81	5.4	22.81	6.7	283458	SLD 5	347941	2711944	0.097	-186180	SLD 11	-188132	-2832757	0.114	Si
75	22.81	5.4	22.81	6.7	283404	SLD 5	347011	2711944	0.097	-188132	SLD 11	-188132	-2832757	0.114	Si
78	22.81	5.4	22.81	6.7	282757	SLD 5	282757	2711944	0.097	-211558	SLD 11	-211313	-2832757	0.114	Si
84	22.81	5.4	22.81	6.7	281000	SLD 5	281000	2711944	0.097	-263676	SLD 11	-250179	-2832757	0.114	Si
91	22.81	5.4	22.81	6.7	278536	SLD 5	278536	2711944	0.097	-317370	SLD 11	-273498	-2832757	0.114	Si
97	22.81	5.4	22.81	6.7	275236	SLD 5	275236	2711944	0.097	-372512	SLD 11	-281271	-2832757	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	-3170	SLU 30	-3170	-13621	-75321	0	-13621	1	Si
6	0	22.81	0	-3428	SLU 30	-3428	-13621	-75321	0	-13621	1	Si
13	0	22.81	0	-3686	SLU 30	-3686	-13621	-75321	0	-13621	1	Si
19	0	22.81	0	-3944	SLU 30	-3944	-13621	-75321	0	-13621	1	Si
23	0.23	22.81	0	-4064	SLU 30	-4064	-13621	-75321	-26126	-26126	1	Si
26	0.23	22.81	0	-4203	SLU 30	-4203	-13621	-75321	-26126	-26126	1	Si
29	0.23	22.81	0	-4332	SLU 30	-4332	-13621	-75321	-26126	-26126	1	Si
36	0.23	22.81	0	-4590	SLU 30	-4590	-13621	-75321	-26126	-26126	1	Si
42	0.23	22.81	0	-4849	SLU 30	-4849	-13621	-75321	-26126	-26126	1	Si
49	0.23	22.81	0	-5107	SLU 30	-5107	-13621	-75321	-26126	-26126	1	Si
55	0.23	22.81	0	-5365	SLU 30	-5365	-13621	-75321	-26126	-26126	1	Si
62	0.23	22.81	0	-5624	SLU 30	-5624	-13621	-75321	-26126	-26126	1	Si
68	0.23	22.81	0	-5882	SLU 30	-5882	-13621	-75321	-26126	-26126	1	Si
75	0.23	22.81	0	-6141	SLU 30	-6141	-13621	-75321	-26126	-26126	1	Si
75	0.23	22.81	0	-6151	SLU 30	-6151	-13621	-75321	-26126	-26126	1	Si
78	0	22.81	0	-6270	SLU 30	-6270	-13621	-75321	0	-13621	1	Si
84	0	22.81	0	-6528	SLU 30	-6528	-13761	-76908	0	-13761	1	Si
91	0	22.81	0	-6787	SLU 30	-6787	-13761	-76908	0	-13761	1	Si
97	0	22.81	0	-7045	SLU 30	-7045	-13761	-76908	0	-13761	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	15078	SLV 1	19505	13761	76908	0	13761	1	Si
0	0	22.81	0	-18975	SLV 15	-23402	-13621	-75321	0	-13621	1	Si
6	0	22.81	0	14903	SLV 1	19329	13761	76908	0	13761	1	Si
6	0	22.81	0	-19151	SLV 15	-23577	-13621	-75321	0	-13621	1	Si
13	0	22.81	0	14727	SLV 1	19154	13761	76908	0	13761	1	Si
13	0	22.81	0	-19326	SLV 15	-23753	-13621	-75321	0	-13621	1	Si
19	0	22.81	0	14551	SLV 1	18978	13761	76908	0	13761	1	Si
19	0	22.81	0	-19502	SLV 15	-23929	-13621	-75321	0	-13621	1	Si
23	0.23	22.81	0	14470	SLV 1	18897	13761	76908	26676	26676	1	Si
23	0.23	22.81	0	-19583	SLV 15	-24010	-13621	-75321	-26126	-26126	1	Si
26	0.23	22.81	0	14376	SLV 1	18803	13761	76908	26676	26676	1	Si
26	0.23	22.81	0	-19677	SLV 15	-24104	-13621	-75321	-26126	-26126	1	Si
29	0.23	22.81	0	14288	SLV 1	18715	13761	76908	26676	26676	1	Si
29	0.23	22.81	0	-19765	SLV 15	-24192	-13621	-75321	-26126	-26126	1	Si
36	0.23	22.81	0	14112	SLV 1	18539	13761	76908	26676	26676	1	Si
36	0.23	22.81	0	-19941	SLV 15	-24368	-13621	-75321	-26126	-26126	1	Si
42	0.23	22.81	0	13937	SLV 1	18363	13761	76908	26676	26676	1	Si
42	0.23	22.81	0	-20116	SLV 15	-24543	-13621	-75321	-26126	-26126	1	Si
49	0.23	22.81	0	13761	SLV 1	18188	13621	75321	26126	26126	1	Si
49	0.23	22.81	0	-20292	SLV 15	-24719	-13621	-75321	-26126	-26126	1	Si
55	0.23	22.81	0	13585	SLV 1	18012	13621	75321	26126	26126	1	Si
55	0.23	22.81	0	-20468	SLV 15	-24895	-13621	-75321	-26126	-26126	1	Si
62	0.23	22.81	0	13410	SLV 1	17836	13621	75321	26126	26126	1	Si
62	0.23	22.81	0	-20644	SLV 15	-25070	-13761	-76908	-26676	-26676	1	Si
68	0.23	22.81	0	13234	SLV 1	17661	13621	75321	26126	26126	1	Si
68	0.23	22.81	0	-20819	SLV 15	-25246	-13761	-76908	-26676	-26676	1	Si
75	0.23	22.81	0	13058	SLV 1	17485	13621	75321	26126	26126	1	Si
75	0.23	22.81	0	-20995	SLV 15	-25422	-13761	-76908	-26676	-26676	1	Si
75	0.23	22.81	0	13051	SLV 1	17478	13621	75321	26126	26126	1	Si
75	0.23	22.81	0	-21002	SLV 15	-25429	-13761	-76908	-26676	-26676	1	Si
78	0	22.81	0	12970	SLV 1	17397	13621	75321	0	13621	1	Si
78	0	22.81	0	-21083	SLV 15	-25510	-13761	-76908	0	-13761	1	Si
84	0	22.81	0	12795	SLV 1	17221	13621	75321	0	13621	1	Si
84	0	22.81	0	-21259	SLV 15	-25685	-13761	-76908	0	-13761	1	Si
91	0	22.81	0	12619	SLV 1	17046	13621	75321	0	13621	1	Si
91	0	22.81	0	-21434	SLV 15	-25861	-13761	-76908	0	-13761	1	Si
97	0	22.81	0	12443	SLV 1	16870	13621	75321	0	13621	1	Si
97	0	22.81	0	-21610	SLV 15	-26037	-13761	-76908	0	-13761	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	5586	SLD 1	5586	13761	76908	0	13761	1	Si
0	0	22.81	0	-9483	SLD 15	-9483	-13621	-75321	0	-13621	1	Si
6	0	22.81	0	5411	SLD 1	5411	13761	76908	0	13761	1	Si
6	0	22.81	0	-9659	SLD 15	-9659	-13621	-75321	0	-13621	1	Si
13	0	22.81	0	5235	SLD 1	5235	13761	76908	0	13761	1	Si
13	0	22.81	0	-9834	SLD 15	-9834	-13621	-75321	0	-13621	1	Si
19	0	22.81	0	5060	SLD 1	5060	13761	76908	0	13761	1	Si
19	0	22.81	0	-10010	SLD 15	-10010	-13621	-75321	0	-13621	1	Si
23	0.23	22.81	0	4978	SLD 1	4978	13761	76908	26676	26676	1	Si
23	0.23	22.81	0	-10091	SLD 15	-10091	-13621	-75321	-26126	-26126	1	Si
26	0.23	22.81	0	4884	SLD 1	4884	13761	76908	26676	26676	1	Si
26	0.23	22.81	0	-10186	SLD 15	-10186	-13621	-75321	-26126	-26126	1	Si
29	0.23	22.81	0	4796	SLD 1	4796	13621	75321	26126	26126	1	Si
29	0.23	22.81	0	-10273	SLD 15	-10273	-13621	-75321	-26126	-26126	1	Si
36	0.23	22.81	0	4620	SLD 1	4620	13621	75321	26126	26126	1	Si
36	0.23	22.81	0	-10449	SLD 15	-10449	-13621	-75321	-26126	-26126	1	Si
42	0.23	22.81	0	4445	SLD 1	4445	13621	75321	26126	26126	1	Si
42	0.23	22.81	0	-10625	SLD 15	-10625	-13621	-75321	-26126	-26126	1	Si
49	0.23	22.81	0	4269	SLD 1	4269	13621	75321	26126	26126	1	Si
49	0.23	22.81	0	-10800	SLD 15	-10800	-13621	-75321	-26126	-26126	1	Si
55	0.23	22.81	0	4093	SLD 1	4093	13621	75321	26126	26126	1	Si
55	0.23	22.81	0	-10976	SLD 15	-10976	-13621	-75321	-26126	-26126	1	Si
62	0.23	22.81	0	3918	SLD 1	3918	13621	75321	26126	26126	1	Si
62	0.23	22.81	0	-11152	SLD 15	-11152	-13621	-75321	-26126	-26126	1	Si
68	0.23	22.81	0	3742	SLD 1	3742	13621	75321	26126	26126	1	Si
68	0.23	22.81	0	-11327	SLD 15	-11327	-13761	-76908	-26676	-26676	1	Si
75	0.23	22.81	0	3566	SLD 1	3566	13621	75321	26126	26126	1	Si
75	0.23	22.81	0	-11503	SLD 15	-11503	-13761	-76908	-26676	-26676	1	Si
75	0.23	22.81	0	3560	SLD 1	3560	13621	75321	26126	26126	1	Si
75	0.23	22.81	0	-11510	SLD 15	-11510	-13761	-76908	-26676	-26676	1	Si
78	0	22.81	0	3479	SLD 1	3479	13621	75321	0	13621	1	Si
78	0	22.81	0	-11591	SLD 15	-11591	-13761	-76908	0	-13761	1	Si
84	0	22.81	0	3303	SLD 1	3303	13621	75321	0	13621	1	Si
84	0	22.81	0	-11767	SLD 15	-11767	-13761	-76908	0	-13761	1	Si
91	0	22.81	0	3127	SLD 1	3127	13621	75321	0	13621	1	Si
91	0	22.81	0	-11943	SLD 15	-11943	-13761	-76908	0	-13761	1	Si
97	0	22.81	0	2952	SLD 1	2952	13621	75321	0	13621	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
97	0	22.81	0	-12118	SLD 15	-12118	-13761	-76908	0	-13761	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	285368	9	260399	6.4	124.5	206.5	1837	269771	2	247841	6.1	93.4	0	+∞	Si
6	270366	9	257735	6.3	124.5	204.4	1837	256535	2	245441	6	93.4	0	+∞	Si
13	254200	9	249740	6.1	124.5	198	1837	242158	2	238241	5.9	93.4	0	+∞	Si
19	236871	9	236417	5.8	124.5	187.5	1837	226640	2	226240	5.6	93.4	0	+∞	Si
23	228470	9	228470	5.6	124.5	181.2	1837	219083	2	219083	5.4	93.4	0	+∞	Si
26	218378	9	228470	5.6	124.5	181.2	1837	209980	2	219083	5.4	93.4	0	+∞	Si
29	208695	9	228470	5.6	124.5	181.2	1837	201222	2	219083	5.4	93.4	0	+∞	Si
36	189090	8	228470	5.6	124.5	181.2	1837	183393	1	219083	5.4	93.4	0	+∞	Si
42	171162	8	228470	5.6	124.5	181.2	1837	166858	1	219083	5.4	93.4	0	+∞	Si
49	152226	8	228470	5.6	124.5	181.2	1837	149314	1	219083	5.4	93.4	0	+∞	Si
55	132475	4	217842	5.4	124.5	172.7	1837	130761	1	209495	5.1	93.4	0	+∞	Si
62	112198	4	198153	4.9	124.5	157.1	1837	111199	1	191662	4.7	93.4	0	+∞	Si
68	90912	4	179749	4.4	124.5	142.5	1837	90629	1	174787	4.3	93.4	0	+∞	Si
75	69049	1	161289	4	124.5	127.9	1837	69049	1	157719	3.9	93.4	0	+∞	Si
75	68190	1	160551	3.9	124.5	127.3	1837	68190	1	157035	3.9	93.4	0	+∞	Si
78	57881	1	57881	1.4	124.5	45.9	1837	57881	1	57881	1.4	93.4	0	+∞	Si
84	34787	1	34787	0.9	124.5	27.6	1837	34787	1	34787	0.9	93.4	0	+∞	Si
84	-9506	3	-1286	0	124.5	1	1837								Si
91	10684	1	10684	0.3	124.5	8.5	1837	10684	1	10684	0.3	93.4	0	+∞	Si
91	-40594	3	-11780	0.3	124.5	8.9	1837	-19417	2	-6648	0.2	93.4	0	+∞	Si
97	-72912	3	-21955	0.5	124.5	16.7	1837	-48638	2	-14427	0.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
6	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
13	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
19	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
26	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
29	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
36	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
42	0.001	0	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
49	0.001	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
55	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
62	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
68	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
75	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
75	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
78	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
84	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
91	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-2556	-21453	-26126	SLV 15	0.4	895	1.098	219083	712968	2711944	SLV 13	0.57	2474	1.666	Si
26	-2651	-21453	-26126	SLV 15	0.4	886	1.094	219083	712968	2711944	SLV 13	0.57	2474	1.666	Si
29	-2739	-21453	-26126	SLV 15	0.4	878	1.09	219083	712968	2711944	SLV 13	0.57	2474	1.666	Si
36	-2914	-21453	-26126	SLV 15	0.39	862	1.082	219083	712968	2711944	SLV 13	0.57	2474	1.666	Si
42	-3090	-21453	-26126	SLV 15	0.39	846	1.073	219083	712968	2711944	SLV 13	0.57	2474	1.666	Si
49	-3266	-21453	-26126	SLV 15	0.39	831	1.065	219083	712968	2711944	SLV 13	0.57	2474	1.666	Si
55	-3441	-21453	-26126	SLV 15	0.38	815	1.057	209495	658617	2711944	SLV 13	0.57	2474	1.666	Si
62	-3617	-21453	-26676	SLV 15	0.39	848	1.074	191662	563507	2711944	SLV 13	0.57	2474	1.666	Si
68	-3793	-21453	-26676	SLV 15	0.39	833	1.066	47636	532828	2711944	SLV 5	0.57	2474	1.666	Si
75	-3968	-21453	-26676	SLV 15	0.38	817	1.058	47636	532828	2711944	SLV 5	0.57	2474	1.666	Si
75	-3975	-21453	-26676	SLV 15	0.38	817	1.058	47636	532828	2711944	SLV 5	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-2556	-7535	-26126	SLD 15	0.42	1023	2.919	219083	315515	2711944	SLD 13	0.6	2474	4.193	Si
26	-2651	-7535	-26126	SLD 15	0.42	1012	2.906	219083	315515	2711944	SLD 13	0.6	2474	4.193	Si
29	-2739	-7535	-26126	SLD 15	0.42	1002	2.895	219083	315515	2711944	SLD 13	0.6	2474	4.193	Si
36	-2914	-7535	-26126	SLD 15	0.41	982	2.871	219083	315515	2711944	SLD 13	0.6	2474	4.193	Si
42	-3090	-7535	-26126	SLD 15	0.41	963	2.848	219083	315515	2711944	SLD 13	0.6	2474	4.193	Si
49	-3266	-7535	-26126	SLD 15	0.41	946	2.827	219083	315515	2711944	SLD 13	0.6	2474	4.193	Si
55	-3441	-7535	-26126	SLD 15	0.4	927	2.804	209495	291462	2711944	SLD 13	0.6	2474	4.193	Si
62	-3617	-7535	-26126	SLD 15	0.4	910	2.782	191662	249371	2711944	SLD 13	0.6	2474	4.193	Si
68	-3793	-7535	-26676	SLD 15	0.41	948	2.83	47636	-235768	-2832757	SLD 11	0.6	2474	4.193	Si
75	-3968	-7535	-26676	SLD 15	0.4	930	2.807	47636	-235768	-2832757	SLD 11	0.6	2474	4.193	Si
75	-3975	-7535	-26676	SLD 15	0.4	930	2.807	47636	235768	2711944	SLD 5	0.6	2474	4.193	Si

Campata 9 tra i fili 10 - 11, sezione R 45x70, asta 990

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	6.7	519850	SLU 22	440335	2711944	0.097						Si
14	22.81	5.4	22.81	6.7	419947	SLU 22	408563	2711944	0.097						Si
23	22.81	5.4	22.81	6.7	358271	SLU 22	358271	2711944	0.097						Si
28	22.81	5.4	22.44	6.8	318038	SLU 22	358271	2668050	0.097						Si
42	22.81	5.4	21.49	6.8	214122	SLU 22	358271	2556514	0.096	102744	SLU 11	-68963	-2828025	0.116	Si
56	22.81	5.4	18.74	6.6	108200	SLU 22	325865	2244759	0.092	21197	SLU 11	-175889	-2817291	0.115	Si
63	22.81	5.4	16.25	6.6	55009	SLU 19	274235	1957648	0.09	-20417	SLU 12	-231733	-2808031	0.116	Si
77	22.81	5.4	11.4	5.4	-45467	SLU 1	169469	1422107	0.084	-112098	SLU 30	-344926	-2773209	0.105	Si
91	22.81	5.4	11.4	5.4	-130140	SLU 1	63122	1422107	0.084	-223132	SLU 30	-460125	-2773209	0.105	Si
105	22.81	5.4	11.4	5.4						-336171	SLU 30	-577331	-2773209	0.105	Si
119	22.81	5.4	11.4	5.4						-451217	SLU 30	-697285	-2773209	0.105	Si
133	22.81	5.4	11.4	5.4						-568270	SLU 30	-819987	-2773209	0.105	Si
147	26.59	5.4	13.26	5.4						-687957	SLU 36	-944695	-3220466	0.11	Si
161	27.91	5.4	14.2	5.4						-810505	SLU 36	-1048008	-3376326	0.111	Si
168	28.57	5.4	14.68	5.4						-872532	SLU 36	-1048008	-3454378	0.112	Si
182	29.89	5.4	15.21	5.4						-998090	SLU 36	-1048008	-3610096	0.113	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
187	30.41	5.4	15.21	5.4						-1048008	SLU 36	-1048008	-3671293	0.114	Si
196	30.41	5.4	15.21	5.4						-1125655	SLU 36	-1110723	-3671293	0.114	Si
210	30.41	5.4	15.21	5.4						-1255227	SLU 36	-1150343	-3671293	0.114	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	6.7	2828062	SLV 13	2494352	2711944	0.097	-2083592	SLV 3	-1871396	-2832757	0.114	Si
14	22.81	5.4	22.81	6.7	2411928	SLV 13	2364327	2711944	0.097	-1820137	SLV 3	-1789934	-2832757	0.114	Si
23	22.81	5.4	22.81	6.7	2158508	SLV 13	2158508	2711944	0.097	-1660987	SLV 3	-1660987	-2832757	0.114	Si
28	22.81	5.4	22.44	6.8	1994291	SLV 13	2158508	2668050	0.097	-1558267	SLV 3	-1660987	-2831576	0.115	Si
42	22.81	5.4	21.49	6.8	1575184	SLV 13	2158508	2556514	0.096	-1298013	SLV 3	-1660987	-2828025	0.116	Si
56	22.81	5.4	18.74	6.6	1154689	SLV 13	2026239	2244759	0.092	-1039459	SLV 3	-1578251	-2817291	0.115	Si
63	22.81	5.4	16.25	6.6	943986	SLV 13	1816923	1957648	0.09	-910884	SLV 3	-1447857	-2808031	0.116	Si
77	22.81	5.4	11.4	5.4	522171	SLV 13	1397214	1422107	0.084	-655640	SLV 3	-1188310	-2773209	0.105	Si
91	22.81	5.4	11.4	5.4	106675	SLV 13	976194	1422107	0.084	-409801	SLV 3	-930538	-2773209	0.105	Si
105	22.81	5.4	11.4	5.4	-87760	SLV 7	554410	1422107	0.084	-388111	SLV 9	-1223137	-2773209	0.105	Si
119	22.81	5.4	11.4	5.4	109923	SLV 3	627107	1422107	0.084	-761626	SLV 13	-1653823	-2773209	0.105	Si
133	22.81	5.4	11.4	5.4	359641	SLV 3	874141	1422107	0.084	-1190263	SLV 13	-2086186	-2773209	0.105	Si
147	26.59	5.4	13.26	5.4	608190	SLV 3	1119697	1642181	0.085	-1620818	SLV 13	-2520157	-3220466	0.11	Si
161	27.91	5.4	14.2	5.4	855336	SLV 3	1319051	1753773	0.086	-2053057	SLV 13	-2875643	-3376326	0.111	Si
168	28.57	5.4	14.68	5.4	978358	SLV 3	1319051	1809571	0.086	-2269783	SLV 13	-2875643	-3454378	0.112	Si
182	29.89	5.4	15.21	5.4	1223278	SLV 3	1319051	1872222	0.086	-2704426	SLV 13	-2875643	-3610096	0.113	Si
187	30.41	5.4	15.21	5.4	1319051	SLV 3	1319051	1872209	0.086	-2875643	SLV 13	-2875643	-3671293	0.114	Si
196	30.41	5.4	15.21	5.4	1466684	SLV 3	1439039	1872209	0.086	-3140643	SLV 13	-3090419	-3671293	0.114	Si
210	30.41	5.4	15.21	5.4	1708565	SLV 3	1514841	1872209	0.086	-3578421	SLV 13	-3226104	-3671293	0.114	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	6.7	1459021	SLD 13	1277472	2711944	0.097	-714552	SLD 3	-654515	-2832757	0.114	Si
14	22.81	5.4	22.81	6.7	1232309	SLD 13	1206394	2711944	0.097	-640519	SLD 3	-632002	-2832757	0.114	Si
23	22.81	5.4	22.81	6.7	1093886	SLD 13	1093886	2711944	0.097	-596365	SLD 3	-596365	-2832757	0.114	Si
28	22.81	5.4	22.44	6.8	1004072	SLD 13	1093886	2668050	0.097	-568048	SLD 3	-596365	-2831576	0.115	Si
42	22.81	5.4	21.49	6.8	774322	SLD 13	1093886	2556514	0.096	-497152	SLD 3	-596365	-2828025	0.116	Si
56	22.81	5.4	18.74	6.6	543097	SLD 13	1021545	2244759	0.092	-427867	SLD 3	-573557	-2817291	0.115	Si
63	22.81	5.4	16.25	6.6	426960	SLD 13	906916	1957648	0.09	-393857	SLD 3	-537850	-2808031	0.116	Si
77	22.81	5.4	11.4	5.4	193854	SLD 13	676535	1422107	0.084	-327322	SLD 3	-467631	-2773209	0.105	Si
91	22.81	5.4	11.4	5.4	-37341	SLD 13	444713	1422107	0.084	-265785	SLD 3	-536966	-2773209	0.105	Si
105	22.81	5.4	11.4	5.4	-171547	SLD 7	211687	1422107	0.084	-304325	SLD 9	-776662	-2773209	0.105	Si
119	22.81	5.4	11.4	5.4						-518691	SLD 13	-1018056	-2773209	0.105	Si
133	22.81	5.4	11.4	5.4	-72369	SLD 3	49006	1422107	0.084	-758253	SLD 13	-1261050	-2773209	0.105	Si
147	26.59	5.4	13.26	5.4	-13105	SLD 3	105157	1642181	0.085	-999523	SLD 13	-1505617	-3220466	0.11	Si
161	27.91	5.4	14.2	5.4	44676	SLD 3	149860	1753773	0.086	-1242397	SLD 13	-1706452	-3376326	0.111	Si
168	28.57	5.4	14.68	5.4	73000	SLD 3	149860	1809571	0.086	-1364425	SLD 13	-1706452	-3454378	0.112	Si
182	29.89	5.4	15.21	5.4	128506	SLD 3	149860	1872222	0.086	-1609654	SLD 13	-1706452	-3610096	0.113	Si
187	30.41	5.4	15.21	5.4	149860	SLD 3	149860	1872209	0.086	-1706452	SLD 13	-1706452	-3671293	0.114	Si
196	30.41	5.4	15.21	5.4	182480	SLD 3	176539	1872209	0.086	-1856439	SLD 13	-1827919	-3671293	0.114	Si
210	30.41	5.4	15.21	5.4	234919	SLD 3	193393	1872209	0.086	-2104775	SLD 13	-1904656	-3671293	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.25	0	-7201	SLU 35	-7201	-12166	-75321	0	-12166	1	Si
14	0	11.4	0	-7344	SLU 35	-7344	-10811	-75321	0	-10811	1	Si
21	0	11.4	0	-7416	SLU 35	-7416	-10811	-75321	0	-10811	1	Si
23	0.323	11.4	0	-7431	SLU 35	-7431	-10811	-75321	-36715	-36715	1	Si
28	0.323	11.4	0	-7487	SLU 35	-7487	-10810	-75295	-36702	-36702	1	Si
42	0.323	11.4	0	-7631	SLU 35	-7631	-10805	-75224	-36667	-36667	1	Si
56	0.323	11.4	0	-7774	SLU 35	-7774	-10819	-75437	-36771	-36771	1	Si
63	0.323	11.4	0	-7846	SLU 35	-7846	-10823	-75488	-36796	-36796	1	Si
77	0.323	22.81	0	-7989	SLU 35	-7989	-13761	-76908	-37488	-37488	1	Si
91	0.323	22.81	0	-8132	SLU 35	-8132	-13761	-76908	-37488	-37488	1	Si
105	0.323	22.81	0	-8276	SLU 35	-8276	-13761	-76908	-37488	-37488	1	Si
119	0.323	22.81	0	-8419	SLU 35	-8419	-13761	-76908	-37488	-37488	1	Si
133	0.323	22.81	0	-8562	SLU 35	-8562	-13761	-76908	-37488	-37488	1	Si
147	0.323	22.81	0	-8706	SLU 35	-8706	-13761	-76908	-37488	-37488	1	Si
161	0.323	22.81	0	-8849	SLU 35	-8849	-13761	-76908	-37488	-37488	1	Si
168	0.323	22.81	0	-8920	SLU 35	-8920	-13761	-76908	-37488	-37488	1	Si
182	0.323	22.81	0	-9064	SLU 35	-9064	-13761	-76908	-37488	-37488	1	Si
187	0.323	22.81	0	-9120	SLU 35	-9120	-13761	-76908	-37488	-37488	1	Si
196	0	22.81	0	-9207	SLU 35	-9207	-13761	-76908	0	-13761	1	Si
210	0	26.59	0	-9350	SLU 35	-9350	-14483	-76908	0	-14483	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	18880	SLV 3	25192	13761	76908	0	13761	1	Si
0	0	16.25	0	-29676	SLV 13	-35988	-12166	-75321	0	-12166	1	Si
14	0	22.81	0	18770	SLV 3	25082	13761	76908	0	13761	1	Si
14	0	11.4	0	-29786	SLV 13	-36098	-10811	-75321	0	-10811	1	Si
21	0	22.81	0	18715	SLV 3	25027	13761	76908	0	13761	1	Si
21	0	11.4	0	-29841	SLV 13	-36153	-10811	-75321	0	-10811	1	Si
23	0.323	22.81	0	18703	SLV 3	25015	13761	76908	37488	37488	1	Si
23	0.323	11.4	0	-29853	SLV 13	-36165	-10811	-75321	-36715	-36715	1	Si
28	0.323	22.81	0	18660	SLV 3	24972	13761	76908	37488	37488	1	Si
28	0.323	11.4	0	-29896	SLV 13	-36208	-10810	-75295	-36702	-36702	1	Si
42	0.323	22.81	0	18549	SLV 3	24862	13761	76908	37488	37488	1	Si
42	0.323	11.4	0	-30006	SLV 13	-36319	-10805	-75224	-36667	-36667	1	Si
56	0.323	22.81	0	18439	SLV 3	24751	13761	76908	37488	37488	1	Si
56	0.323	11.4	0	-30117	SLV 13	-36429	-10819	-75437	-36771	-36771	1	Si
63	0.323	22.81	0	18384	SLV 3	24696	13761	76908	37488	37488	1	Si
63	0.323	11.4	0	-30172	SLV 13	-36484	-10823	-75488	-36796	-36796	1	Si
77	0.323	22.81	0	18274	SLV 3	24586	13761	76908	37488	37488	1	Si
77	0.323	11.4	0	-30282	SLV 13	-36594	-10922	-76908	-37488	-37488	1	Si
91	0.323	22.81	0	18164	SLV 3	24476	13761	76908	37488	37488	1	Si
91	0.323	13.73	0	-30392	SLV 13	-36704	-11620	-76908	-37488	-37488	1	Si
105	0.323	22.81	0	18053	SLV 3	24365	13761	76908	37488	37488	1	Si
105	0.323	22.81	0	-30502	SLV 13	-36815	-13761	-76908	-37488	-37488	1	Si
119	0.323	15.21	0	17943	SLV 3	24255	12021	76908	37488	37488	1	Si
119	0.323	22.81	0	-30613	SLV 13	-36925	-13761	-76908	-37488	-37488	1	Si
133	0.323	15.21	0	17833	SLV 3	24145	12021	76908	37488	37488	1	Si
133	0.323	22.81	0	-30723	SLV 13	-37035	-13761	-76908	-37488	-37488	1	Si
147	0.323	11.4	0	17723	SLV 3	24035	10922	76908	37488	37488	1	Si
147	0.323	22.81	0	-30833	SLV 13	-37145	-13761	-76908	-37488	-37488	1	Si
161	0.323	11.4	0	17612	SLV 3	23924	10922	76908	37488	37488	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
161	0.323	22.81	0	-30943	SLV 13	-37256	-13761	-76908	-37488	-37488	1	Si
168	0.323	11.4	0	17557	SLV 3	23869	10922	76908	37488	37488	1	Si
168	0.323	22.81	0	-30999	SLV 13	-37311	-13761	-76908	-37488	-37488	1	Si
182	0.323	11.4	0	17447	SLV 3	23759	10922	76908	37488	37488	1	Si
182	0.323	22.81	0	-31109	SLV 13	-37421	-13761	-76908	-37488	-37488	1	Si
187	0.323	11.4	0	17404	SLV 3	23716	10922	76908	37488	37488	1	Si
187	0.323	22.81	0	-31152	SLV 13	-37464	-13761	-76908	-37488	-37488	1	Si
196	0	11.4	0	17337	SLV 3	23649	10922	76908	0	10922	1	Si
196	0	22.81	0	-31219	SLV 13	-37531	-13761	-76908	0	-13761	1	Si
210	0	13.26	0	17226	SLV 3	23539	11485	76908	0	11485	1	Si
210	0	26.59	0	-31329	SLV 13	-37642	-14483	-76908	0	-14483	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	5346	SLD 3	5346	13761	76908	0	13761	1	Si
0	0	16.25	0	-16142	SLD 13	-16142	-12166	-75321	0	-12166	1	Si
14	0	22.81	0	5236	SLD 3	5236	13761	76908	0	13761	1	Si
14	0	11.4	0	-16252	SLD 13	-16252	-10811	-75321	0	-10811	1	Si
21	0	22.81	0	5181	SLD 3	5181	13761	76908	0	13761	1	Si
21	0	11.4	0	-16307	SLD 13	-16307	-10811	-75321	0	-10811	1	Si
23	0.323	22.81	0	5169	SLD 3	5169	13761	76908	37488	37488	1	Si
23	0.323	11.4	0	-16319	SLD 13	-16319	-10811	-75321	-36715	-36715	1	Si
28	0.323	22.81	0	5126	SLD 3	5126	13761	76908	37488	37488	1	Si
28	0.323	11.4	0	-16362	SLD 13	-16362	-10810	-75295	-36702	-36702	1	Si
42	0.323	22.81	0	5015	SLD 3	5015	13761	76908	37488	37488	1	Si
42	0.323	11.4	0	-16472	SLD 13	-16472	-10805	-75224	-36667	-36667	1	Si
56	0.323	22.81	0	4905	SLD 3	4905	13761	76908	37488	37488	1	Si
56	0.323	11.4	0	-16583	SLD 13	-16583	-10819	-75437	-36771	-36771	1	Si
63	0.323	22.81	0	4850	SLD 3	4850	13761	76908	37488	37488	1	Si
63	0.323	11.4	0	-16638	SLD 13	-16638	-10823	-75488	-36796	-36796	1	Si
77	0.323	22.81	0	4740	SLD 3	4740	13761	76908	37488	37488	1	Si
77	0.323	11.4	0	-16748	SLD 13	-16748	-10922	-76908	-37488	-37488	1	Si
91	0.323	22.81	0	4630	SLD 3	4630	13761	76908	37488	37488	1	Si
91	0.323	22.81	0	-16858	SLD 13	-16858	-13761	-76908	-37488	-37488	1	Si
105	0.323	22.81	0	4519	SLD 3	4519	13761	76908	37488	37488	1	Si
105	0.323	22.81	0	-16968	SLD 13	-16968	-13761	-76908	-37488	-37488	1	Si
119	0.323	22.81	0	4409	SLD 3	4409	13761	76908	37488	37488	1	Si
119	0.323	22.81	0	-17079	SLD 13	-17079	-13761	-76908	-37488	-37488	1	Si
133	0.323	22.81	0	4299	SLD 3	4299	13761	76908	37488	37488	1	Si
133	0.323	22.81	0	-17189	SLD 13	-17189	-13761	-76908	-37488	-37488	1	Si
147	0.323	22.81	0	4189	SLD 3	4189	13761	76908	37488	37488	1	Si
147	0.323	22.81	0	-17299	SLD 13	-17299	-13761	-76908	-37488	-37488	1	Si
161	0.323	11.4	0	4078	SLD 3	4078	10922	76908	37488	37488	1	Si
161	0.323	22.81	0	-17409	SLD 13	-17409	-13761	-76908	-37488	-37488	1	Si
168	0.323	11.4	0	4023	SLD 3	4023	10922	76908	37488	37488	1	Si
168	0.323	22.81	0	-17465	SLD 13	-17465	-13761	-76908	-37488	-37488	1	Si
182	0.323	11.4	0	3913	SLD 3	3913	10922	76908	37488	37488	1	Si
182	0.323	22.81	0	-17575	SLD 13	-17575	-13761	-76908	-37488	-37488	1	Si
187	0.323	11.4	0	3870	SLD 3	3870	10922	76908	37488	37488	1	Si
187	0.323	22.81	0	-17618	SLD 13	-17618	-13761	-76908	-37488	-37488	1	Si
196	0	11.4	0	3803	SLD 3	3803	10922	76908	0	10922	1	Si
196	0	22.81	0	-17685	SLD 13	-17685	-13761	-76908	0	-13761	1	Si
210	0	13.26	0	3692	SLD 3	3692	11485	76908	0	11485	1	Si
210	0	26.59	0	-17795	SLD 13	-17795	-14483	-76908	0	-14483	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	392643	4	331050	8.1	124.5	262.5	1837	389162	1	328253	8.1	93.4	0	+∞	Si
14	315263	4	306445	7.5	124.5	243	1837	312633	1	303912	7.5	93.4	0	+∞	Si
23	267496	4	267496	6.6	124.5	212.1	1837	265383	1	265383	6.5	93.4	0	+∞	Si
28	236339	4	267496	6.6	124.5	215.6	1837	234560	1	265383	6.6	93.4	0	+∞	Si
42	155872	4	267496	6.7	124.5	225.2	1837	154944	1	265383	6.7	93.4	0	+∞	Si
56	73861	4	242401	6.3	124.5	231.2	1837	73784	1	240557	6.3	93.4	0	+∞	Si
63	32625	1	202419	5.5	124.5	221.2	1837	32625	1	201001	5.5	93.4	0	+∞	Si
77	-77924	3	-256436	7	124.5	195.5	1837	-66734	2	-244626	6.7	93.4	0	+∞	Si
91	-163052	3	-344769	9.4	124.5	262.8	1837	-151563	2	-332660	9.1	93.4	0	+∞	Si
105	-249723	3	-434645	11.9	124.5	331.3	1837	-237936	2	-422237	11.5	93.4	0	+∞	Si
119	-337938	3	-526559	14.4	124.5	401.4	1837	-325852	2	-513358	14	93.4	0	+∞	Si
133	-427697	3	-620511	16.9	124.5	473	1837	-415311	2	-606022	16.5	93.4	0	+∞	Si
147	-519417	9	-716007	18.2	124.5	470.3	1837	-506314	2	-700230	17.8	93.4	0	+∞	Si
161	-613251	9	-795124	19.7	124.5	498	1837	-598860	2	-778296	19.3	93.4	0	+∞	Si
168	-660747	9	-795124	19.4	124.5	486.8	1837	-645712	2	-778296	19	93.4	0	+∞	Si
182	-756896	9	-795124	19.1	124.5	465.9	1837	-740574	2	-778296	18.7	93.4	0	+∞	Si
187	-795124	9	-795124	19	124.5	458.4	1837	-778296	2	-778296	18.6	93.4	0	+∞	Si
196	-854589	9	-843152	20.1	124.5	486	1837	-836979	2	-825690	19.7	93.4	0	+∞	Si
210	-953825	9	-873494	20.8	124.5	503.5	1837	-934928	2	-855632	20.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
14	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
23	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
28	0	-0.001	0	-0.001	0	0	0	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
42	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
56	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
63	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
77	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
91	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
105	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
119	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.007	1	-0.008	1	9999	Si
133	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
140	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
147	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
161	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.007	1	-0.007	1	9999	Si
168	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.007	1	-0.007	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
182	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	1	-0.005	1	9999	Si
187	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
196	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-5575	-30590	-36715	SLV 13	0.37	743	1.018	248760	1909748	2711944	SLV 13	0.46	1359	1.303	Si
28	-5618	-30590	-36702	SLV 13	0.37	740	1.016	248760	1909748	2668050	SLV 13	0.46	1295	1.278	Si
42	-5728	-30590	-36667	SLV 13	0.37	731	1.011	248760	1909748	2556514	SLV 13	0.44	1143	1.214	Si
56	-5839	-30590	-36771	SLV 13	0.37	731	1.011	223994	1802245	2244759	SLV 13	0.41	941	1.121	Si
63	-5894	-30590	-36796	SLV 13	0.37	729	1.01	184533	1632390	1957648	SLV 13	0.39	870	1.086	Si
77	-6004	-30590	-37488	SLV 13	0.37	763	1.029	104452	1292762	1422107	SLV 13	0.37	745	1.019	Si
91	-6114	-30590	-37488	SLV 13	0.37	757	1.025	22828	953366	1422107	SLV 13	0.52	1918	1.501	Si
105	-6225	-30590	-37488	SLV 13	0.37	750	1.022	-422237	800900	1422107	SLV 3	0.57	2474	1.666	Si
119	-6335	-30590	-37488	SLV 13	0.37	744	1.018	-513358	1140465	1422107	SLV 3	0.57	2474	1.666	Si
133	-6445	-30590	-37488	SLV 13	0.37	737	1.014	-606022	1480164	1422107	SLV 3	0.49	1596	1.392	Si
147	-6555	-30590	-37488	SLV 13	0.37	731	1.011	-700230	1819927	1642181	SLV 3	0.46	1351	1.3	Si
161	-6666	-30590	-37488	SLV 13	0.37	725	1.007	-778296	2097347	1753773	SLV 3	0.44	1140	1.213	Si
168	-6721	-30590	-37488	SLV 13	0.37	721	1.005	-778296	2097347	1809571	SLV 3	0.44	1208	1.242	Si
182	-6831	-30590	-37488	SLV 13	0.36	715	1.002	-778296	2097347	1872222	SLV 3	0.45	1287	1.275	Si
187	-6874	-30590	-37488	SLV 13	0.36	713	1.001	-778296	2097347	1872209	SLV 3	0.45	1287	1.275	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-5575	-10744	-36715	SLD 13	0.39	845	2.699	248760	845125	2711944	SLD 13	0.39	857	2.715	Si
28	-5618	-10744	-36702	SLD 13	0.39	842	2.695	248760	845125	2668050	SLD 13	0.38	820	2.666	Si
42	-5728	-10744	-36667	SLD 13	0.39	832	2.682	248760	845125	2556514	SLD 13	0.37	731	2.543	Si
56	-5839	-10744	-36771	SLD 13	0.39	832	2.682	223994	797551	2244759	SLD 13	0.34	610	2.362	Si
63	-5894	-10744	-36796	SLD 13	0.39	830	2.679	184533	722383	1957648	SLD 13	0.33	565	2.289	Si
77	-6004	-10744	-37488	SLD 13	0.39	868	2.729	104452	572083	1422107	SLD 13	0.31	486	2.152	Si
91	-6114	-10744	-37488	SLD 13	0.39	861	2.72	22828	421884	1422107	SLD 13	0.44	1198	3.115	Si
105	-6225	-10744	-37488	SLD 13	0.39	853	2.71	-422237	354425	1422107	SLD 3	0.6	2474	4.193	Si
119	-6335	-10744	-37488	SLD 13	0.39	847	2.702	-513358	504698	1422107	SLD 3	0.51	1762	3.648	Si
133	-6445	-10744	-37488	SLD 13	0.39	839	2.691	-606022	655028	1422107	SLD 3	0.42	996	2.887	Si
147	-6555	-10744	-37488	SLD 13	0.39	832	2.682	-700230	805387	1642181	SLD 3	0.39	852	2.708	Si
161	-6666	-10744	-37488	SLD 13	0.39	825	2.673	-778296	928156	1753773	SLD 3	0.37	730	2.542	Si
168	-6721	-10744	-37488	SLD 13	0.38	820	2.666	-778296	928156	1809571	SLD 3	0.38	769	2.597	Si
182	-6831	-10744	-37488	SLD 13	0.38	814	2.658	-778296	928156	1872222	SLD 3	0.38	816	2.661	Si
187	-6874	-10744	-37488	SLD 13	0.38	811	2.654	-778296	928156	1872209	SLD 3	0.38	816	2.661	Si

Campata 10 tra i fili 11 - 12, sezione R 45x70, asta 991

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-785119	SLU 36	-735118	-3671293	0.114	Si
20	30.41	5.4	15.21	5.4						-696702	SLU 36	-696326	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-687619	SLU 36	-687619	-3671293	0.114	Si
41	28.7	5.4	14.77	5.4						-612517	SLU 36	-687619	-3469228	0.112	Si
61	26.78	5.4	13.4	5.4						-532565	SLU 36	-648234	-3242783	0.11	Si
81	22.81	5.4	11.4	5.4						-456846	SLU 36	-566464	-2773209	0.105	Si
92	21.33	5.4	11.4	5.4						-420574	SLU 36	-527166	-2599019	0.102	Si
112	17.5	5.4	11.4	5.4						-351203	SLU 36	-451744	-2145126	0.094	Si
132	13.67	5.4	11.4	5.4						-286066	SLU 36	-380555	-1690634	0.087	Si
142	7.6	5.4	11.4	5.4						-255084	SLU 36	-346548	-970824	0.078	Si
153	7.6	5.4	11.4	5.4						-225161	SLU 36	-313599	-970824	0.078	Si
173	7.6	5.4	11.4	5.4						-169123	SLU 31	-250875	-970824	0.078	Si
193	7.6	5.4	11.4	5.4						-118398	SLU 31	-192513	-970824	0.078	Si
214	10.8	5.4	11.4	5.4						-72777	SLU 22	-139738	-1350616	0.083	Si
234	12.72	5.4	11.4	5.4	-14830	SLU 11	33006	1422094	0.084	-31572	SLU 22	-91845	-1578074	0.086	Si
244	13.68	5.4	13.4	5.4	1147	SLU 11	50383	1658444	0.086	-12557	SLU 22	-69804	-1691669	0.087	Si
264	15.21	5.4	14.77	5.4	35578	SLU 34	65529	1820691	0.088	17423	SLU 4	-28898	-1872798	0.089	Si
283	15.21	5.4	15.21	5.4	65529	SLU 34	65529	1872764	0.089						Si
285	15.21	5.4	15.21	5.4	68975	SLU 34	68748	1872764	0.089						Si
305	15.21	5.4	15.21	5.4	98140	SLU 34	83086	1872764	0.089						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4	1520927	SLV 15	1419145	1872209	0.086	-2707296	SLV 1	-2529697	-3671293	0.114	Si
20	30.41	5.4	15.21	5.4	1335216	SLV 15	1334232	1872209	0.086	-2387560	SLV 1	-2386008	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4	1315172	SLV 15	1315172	1872209	0.086	-2353755	SLV 1	-2353755	-3671293	0.114	Si
41	28.7	5.4	14.77	5.4	1146312	SLV 15	1315172	1820220	0.086	-2071143	SLV 1	-2353755	-3469228	0.112	Si
61	26.78	5.4	13.4	5.4	954245	SLV 15	1227820	1658122	0.085	-1758074	SLV 1	-2206740	-3242783	0.11	Si
81	22.81	5.4	11.4	5.4	759070	SLV 15	1037108	1422107	0.084	-1448409	SLV 1	-1892229	-2773209	0.105	Si
92	21.33	5.4	11.4	5.4	660347	SLV 15	940572	1422107	0.084	-1294884	SLV 1	-1736235	-2599019	0.102	Si
112	17.5	5.4	11.4	5.4	460764	SLV 15	745184	1422107	0.084	-990579	SLV 1	-1426815	-2145126	0.094	Si
132	13.67	5.4	11.4	5.4	272664	SLV 11	546814	1422094	0.084	-704268	SLV 5	-1120925	-1690634	0.087	Si
142	7.6	5.4	11.4	5.4	219934	SLV 11	446594	1422093	0.084	-604874	SLV 5	-969387	-970824	0.078	Si
153	7.6	5.4	11.4	5.4	167567	SLV 11	345787	1422093	0.084	-507472	SLV 5	-818889	-970824	0.078	Si
173	7.6	5.4	11.4	5.4	118828	SLV 7	384917	1422093	0.084	-373547	SLV 9	-591174	-970824	0.078	Si
193	7.6	5.4	11.4	5.4	279834	SLV 3	640021	1422093	0.084	-455877	SLV 13	-714992	-970824	0.078	Si
214	10.8	5.4	11.4	5.4	527753	SLV 3	901560	1422094	0.084	-631633	SLV 13	-913678	-1350616	0.083	Si
234	12.72	5.4	11.4	5.4	793534	SLV 3	1188369	1422094	0.084	-831762	SLV 13	-1144145	-1578074	0.086	Si
244	13.68	5.4	13.4	5.4	931060	SLV 1	1326510	1658444	0.086	-938904	SLV 15	-1256557	-1691669	0.087	Si
264	15.21	5.4	14.77	5.4	1207838	SLV 1	1454197	1820691	0.088	-1159798	SLV 15	-1361873	-1872798	0.089	Si
283	15.21	5.4	15.21	5.4	1454197	SLV 1	1454197	1872764	0.089	-1361873	SLV 15	-1361873	-1872764	0.089	Si
285	15.21	5.4	15.21	5.4	1483518	SLV 1	1482228	1872764	0.089	-1386106	SLV 15	-1385156	-1872764	0.089	Si
305	15.21	5.4	15.21	5.4	1756772	SLV 1	1607105	1872764	0.089	-1616500	SLV 15	-1488881	-1872764	0.089	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4	342367	SLD 15	318460	1872209	0.086	-1528736	SLD 1	-1429011	-3671293	0.114	Si
20	30.41	5.4	15.21	5.4	297544	SLD 15	297267	1872209	0.086	-1349888	SLD 1	-1349043	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4	292510	SLD 15	292510	1872209	0.086	-1331093	SLD 1	-1331093	-3671293	0.114	Si
41	28.7	5.4	14.77	5.4	249493	SLD 15	292510	1820220	0.086	-1174324	SLD 1	-1331093	-3469228	0.112	Si
61	26.78	5.4	13.4	5.4	198227	SLD 15	270485	1658122	0.085	-1002056	SLD 1	-1249405	-3242783	0.11	Si
81	22.81	5.4	11.4	5.4	143770	SLD 15	220599	1422107	0.084	-833109	SLD 1	-1075719	-2773209	0.105	Si
92	21.33	5.4	11.4	5.4	115358	SLD 15	194453	1422107	0.084	-749895	SLD 1	-990116	-2599019	0.102	Si
112	17.5	5.4	11.4	5.4	56227	SLD 15	139773	1422107	0.084	-586042	SLD 1	-821405	-2145126	0.094	Si
132	13.67	5.4	11.4	5.4	363	SLD 11	81960	1422094	0.084	-431967	SLD 5	-656071	-1690634	0.087	Si
142	7.6	5.4	11.4	5.4	-9968	SLD 11	51914	1422093	0.084	-374973	SLD 5	-574707	-970824	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
153	7.6	5.4	11.4	5.4	-20594	SLD 11	21154	1422093	0.084	-319312	SLD 5	-494257	-970824	0.078	Si
173	7.6	5.4	11.4	5.4	-18438	SLD 7	130068	1422093	0.084	-236281	SLD 9	-367144	-970824	0.078	Si
193	7.6	5.4	11.4	5.4	74739	SLD 3	262267	1422093	0.084	-250783	SLD 13	-337239	-970824	0.078	Si
214	10.8	5.4	11.4	5.4	204536	SLD 3	395544	1422094	0.084	-308416	SLD 13	-407662	-1350616	0.083	Si
234	12.72	5.4	11.4	5.4	340441	SLD 3	538158	1422094	0.084	-378670	SLD 13	-493934	-1578074	0.086	Si
244	13.68	5.4	13.4	5.4	409773	SLD 1	606463	1658444	0.086	-417617	SLD 15	-536510	-1691669	0.087	Si
264	15.21	5.4	14.77	5.4	547838	SLD 1	669205	1820691	0.088	-499798	SLD 15	-576880	-1872798	0.089	Si
283	15.21	5.4	15.21	5.4	669205	SLD 1	669205	1872764	0.089	-576880	SLD 15	-576880	-1872764	0.089	Si
285	15.21	5.4	15.21	5.4	683599	SLD 1	682932	1872764	0.089	-586187	SLD 15	-585860	-1872764	0.089	Si
305	15.21	5.4	15.21	5.4	816468	SLD 1	744088	1872764	0.089	-676196	SLD 15	-625865	-1872764	0.089	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.78	0	4453	SLU 34	4453	14517	76908	0	14517	1	Si
20	0	22.81	0	4245	SLU 34	4245	13761	76908	0	13761	1	Si
23	0.172	21.33	0	4222	SLU 34	4222	13458	76908	20007	20007	1	Si
41	0.172	19.42	0	4036	SLU 34	4036	13042	76908	20007	20007	1	Si
61	0.172	15.58	0	3828	SLU 34	3828	12120	76908	20007	20007	1	Si
81	0.172	7.6	0	3620	SLU 34	3620	9541	76908	20007	20007	1	Si
92	0.172	7.6	0	3516	SLU 34	3516	9541	76908	20007	20007	1	Si
112	0.159	7.6	0	3308	SLU 34	3308	9541	76908	18479	18479	1	Si
132	0.159	7.6	0	3100	SLU 34	3100	9541	76908	18479	18479	1	Si
153	0.159	10.8	0	2891	SLU 34	2891	10726	76908	18479	18479	1	Si
173	0.159	12.72	0	2683	SLU 34	2683	11326	76908	18479	18479	1	Si
193	0.159	13.67	0	2475	SLU 34	2475	11601	76908	18479	18479	1	Si
214	0.158	7.6	0	2267	SLU 34	2267	9541	76908	18340	18340	1	Si
234	0.158	7.6	0	2059	SLU 34	2059	9541	76908	18340	18340	1	Si
244	0.158	7.6	0	1955	SLU 34	1955	9541	76908	18340	18340	1	Si
264	0.158	11.4	0	1747	SLU 34	1747	10922	76908	18340	18340	1	Si
283	0.158	11.4	0	1561	SLU 34	1561	10922	76908	18340	18340	1	Si
285	0	11.4	0	1538	SLU 34	1538	10922	76908	0	10922	1	Si
305	0	13.4	0	1330	SLU 34	1330	11524	76908	0	11524	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.78	0	15816	SLV 1	19051	14517	76908	0	14517	1	Si
0	0	13.4	0	-9065	SLV 15	-12300	-11524	-76908	0	-11524	1	Si
20	0	22.81	0	15656	SLV 1	18891	13761	76908	0	13761	1	Si
20	0	11.4	0	-9225	SLV 15	-12460	-10922	-76908	0	-10922	1	Si
23	0.172	21.33	0	15639	SLV 1	18874	13458	76908	20007	20007	1	Si
23	0.172	11.4	0	-9242	SLV 15	-12477	-10922	-76908	-20007	-20007	1	Si
41	0.172	19.42	0	15496	SLV 1	18731	13042	76908	20007	20007	1	Si
41	0.172	11.4	0	-9385	SLV 15	-12620	-10922	-76908	-20007	-20007	1	Si
61	0.172	15.58	0	15336	SLV 1	18571	12120	76908	20007	20007	1	Si
61	0.172	11.4	0	-9545	SLV 15	-12780	-10922	-76908	-20007	-20007	1	Si
81	0.172	7.6	0	15176	SLV 1	18411	9541	76908	20007	20007	1	Si
81	0.172	11.4	0	-9705	SLV 15	-12940	-10922	-76908	-20007	-20007	1	Si
92	0.172	7.6	0	15096	SLV 1	18330	9541	76908	20007	20007	1	Si
92	0.172	11.4	0	-9785	SLV 15	-13020	-10922	-76908	-20007	-20007	1	Si
112	0.159	7.6	0	14936	SLV 1	18170	9541	76908	18479	18479	1	Si
112	0.159	11.4	0	-9946	SLV 15	-13180	-10922	-76908	-18479	-18479	1	Si
132	0.159	7.6	0	14776	SLV 1	18010	9541	76908	18479	18479	1	Si
132	0.159	11.4	0	-10106	SLV 15	-13340	-10922	-76908	-18479	-18479	1	Si
153	0.159	10.8	0	14616	SLV 1	17850	10726	76908	18479	18479	1	Si
153	0.159	11.4	0	-10266	SLV 15	-13500	-10922	-76908	-18479	-18479	1	Si
173	0.159	12.72	0	14455	SLV 1	17690	11326	76908	18479	18479	1	Si
173	0.159	12.72	0	-10426	SLV 15	-13661	-11326	-76908	-18479	-18479	1	Si
193	0.159	11.4	0	14295	SLV 1	17530	10922	76908	18479	18479	1	Si
193	0.159	13.67	0	-10586	SLV 15	-13821	-11601	-76908	-18479	-18479	1	Si
214	0.158	11.4	0	14135	SLV 1	17370	10922	76908	18340	18340	1	Si
214	0.158	7.6	0	-10746	SLV 15	-13981	-9541	-76908	-18340	-18340	1	Si
234	0.158	11.4	0	13975	SLV 1	17210	10922	76908	18340	18340	1	Si
234	0.158	7.6	0	-10906	SLV 15	-14141	-9541	-76908	-18340	-18340	1	Si
244	0.158	11.4	0	13895	SLV 1	17130	10922	76908	18340	18340	1	Si
244	0.158	7.6	0	-10986	SLV 15	-14221	-9541	-76908	-18340	-18340	1	Si
264	0.158	11.4	0	13735	SLV 1	16969	10922	76908	18340	18340	1	Si
264	0.158	7.6	0	-11147	SLV 15	-14381	-9541	-76908	-18340	-18340	1	Si
283	0.158	11.4	0	13592	SLV 1	16826	10922	76908	18340	18340	1	Si
283	0.158	10.8	0	-11290	SLV 15	-14524	-10726	-76908	-18340	-18340	1	Si
285	0	11.4	0	13575	SLV 1	16809	10922	76908	0	10922	1	Si
285	0	11.76	0	-11307	SLV 15	-14541	-11034	-76908	0	-11034	1	Si
305	0	13.4	0	13415	SLV 1	16649	11524	76908	0	11524	1	Si
305	0	13.68	0	-11467	SLV 15	-14701	-11604	-76908	0	-11604	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.78	0	8881	SLD 1	8881	14517	76908	0	14517	1	Si
0	0	13.4	0	-2129	SLD 15	-2129	-11524	-76908	0	-11524	1	Si
20	0	22.81	0	8721	SLD 1	8721	13761	76908	0	13761	1	Si
20	0	11.4	0	-2290	SLD 15	-2290	-10922	-76908	0	-10922	1	Si
23	0.172	21.33	0	8704	SLD 1	8704	13458	76908	20007	20007	1	Si
23	0.172	11.4	0	-2307	SLD 15	-2307	-10922	-76908	-20007	-20007	1	Si
41	0.172	19.42	0	8561	SLD 1	8561	13042	76908	20007	20007	1	Si
41	0.172	11.4	0	-2450	SLD 15	-2450	-10922	-76908	-20007	-20007	1	Si
61	0.172	15.58	0	8401	SLD 1	8401	12120	76908	20007	20007	1	Si
61	0.172	11.4	0	-2610	SLD 15	-2610	-10922	-76908	-20007	-20007	1	Si
81	0.172	7.6	0	8240	SLD 1	8240	9541	76908	20007	20007	1	Si
81	0.172	11.4	0	-2770	SLD 15	-2770	-10922	-76908	-20007	-20007	1	Si
92	0.172	7.6	0	8160	SLD 1	8160	9541	76908	20007	20007	1	Si
92	0.172	11.4	0	-2850	SLD 15	-2850	-10922	-76908	-20007	-20007	1	Si
112	0.159	7.6	0	8000	SLD 1	8000	9541	76908	18479	18479	1	Si
112	0.159	11.4	0	-3010	SLD 15	-3010	-10922	-76908	-18479	-18479	1	Si
132	0.159	7.6	0	7840	SLD 1	7840	9541	76908	18479	18479	1	Si
132	0.159	7.6	0	-3170	SLD 15	-3170	-9541	-76908	-18479	-18479	1	Si
153	0.159	10.8	0	7680	SLD 1	7680	10726	76908	18479	18479	1	Si
153	0.159	10.8	0	-3330	SLD 15	-3330	-10726	-76908	-18479	-18479	1	Si
173	0.159	12.72	0	7520	SLD 1	7520	11326	76908	18479	18479	1	Si
173	0.159	12.72	0	-3491	SLD 15	-3491	-11326	-76908	-18479	-18479	1	Si
193	0.159	11.4	0	7360	SLD 1	7360	10922	76908	18479	18479	1	Si
193	0.159	13.67	0	-3651	SLD 15	-3651	-11601	-76908	-18479	-18479	1	Si
214	0.158	11.4	0	7200	SLD 1	7200	10922	76908	18340	18340	1	Si
214	0.158	7.6	0	-3811	SLD 15	-3811	-9541	-76908	-18340	-18340	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
234	0.158	11.4	0	7040	SLD 1	7040	10922	76908	18340	18340	1	Si
234	0.158	7.6	0	-3971	SLD 15	-3971	-9541	-76908	-18340	-18340	1	Si
244	0.158	11.4	0	6959	SLD 1	6959	10922	76908	18340	18340	1	Si
244	0.158	7.6	0	-4051	SLD 15	-4051	-9541	-76908	-18340	-18340	1	Si
264	0.158	11.4	0	6799	SLD 1	6799	10922	76908	18340	18340	1	Si
264	0.158	7.6	0	-4211	SLD 15	-4211	-9541	-76908	-18340	-18340	1	Si
283	0.158	11.4	0	6656	SLD 1	6656	10922	76908	18340	18340	1	Si
283	0.158	10.8	0	-4354	SLD 15	-4354	-10726	-76908	-18340	-18340	1	Si
285	0	11.4	0	6639	SLD 1	6639	10922	76908	0	10922	1	Si
285	0	11.76	0	-4371	SLD 15	-4371	-11034	-76908	0	-11034	1	Si
305	0	13.4	0	6479	SLD 1	6479	11524	76908	0	11524	1	Si
305	0	13.68	0	-4531	SLD 15	-4531	-11604	-76908	0	-11604	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-599983	9	-561746	13.4	124.5	323.8	1837	-593185	2	-555276	13.2	93.4	0	+∞	Si
20	-532377	9	-532090	12.7	124.5	306.7	1837	-526172	2	-525888	12.5	93.4	0	+∞	Si
23	-525433	9	-525433	12.5	124.5	302.9	1837	-519292	2	-519292	12.4	93.4	0	+∞	Si
41	-468027	9	-525433	12.8	124.5	320.3	1837	-462416	2	-519292	12.7	93.4	0	+∞	Si
61	-406932	9	-495326	12.5	124.5	323.1	1837	-401915	2	-489460	12.4	93.4	0	+∞	Si
81	-349094	9	-432833	11.8	124.5	330	1837	-344670	2	-427560	11.7	93.4	0	+∞	Si
92	-321395	9	-402807	11.2	124.5	327.3	1837	-317268	2	-397831	11.1	93.4	0	+∞	Si
112	-268441	9	-345198	10.3	124.5	339.1	1837	-264907	2	-340816	10.1	93.4	0	+∞	Si
132	-218742	9	-290844	9.4	124.5	362.4	1837	-215802	2	-287056	9.3	93.4	0	+∞	Si
153	-172299	9	-239746	5.4	124.5	83.1	1837	-169953	2	-236551	9.5	93.4	0	+∞	Si
173	-129535	4	-191904	4.3	124.5	66.5	1837	-127667	1	-189303	7.6	93.4	0	+∞	Si
193	-90746	4	-147404	3.3	124.5	51.1	1837	-88873	1	-145384	5.8	93.4	0	+∞	Si
214	-55214	4	-107063	3.8	124.5	167.5	1837	-53335	1	-105192	3.7	93.4	0	+∞	Si
234	-22937	4	-70132	2.3	124.5	93.7	1837	-21053	1	-68255	2.3	93.4	0	+∞	Si
244	-8020	4	-52887	1.7	124.5	65.8	1837	-6132	1	-51007	1.6	93.4	0	+∞	Si
264	25885	7	48561	1.5	124.5	56	1837	24020	2	46162	1.4	93.4	0	+∞	Si
283	48561	7	48561	1.4	124.5	54.4	1837	46162	2	46162	1.4	93.4	0	+∞	Si
285	51168	7	50995	1.5	124.5	57.2	1837	48706	2	48536	1.4	93.4	0	+∞	Si
305	73195	7	61840	1.8	124.5	69.3	1837	70136	2	59112	1.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
23	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
41	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
61	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	1	-0.01	1	9999	Si
81	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.012	1	9999	Si
92	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.013	1	9999	Si
112	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
122	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
132	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
153	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.012	1	9999	Si
173	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
193	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	2	-0.01	2	9999	Si
214	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
234	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
244	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
264	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
283	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
285	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3199	15675	20007	SLV 1	0.39	844	1.072	-519292	1834463	1872209	SLV 15	0.47	1398	1.319	Si
41	3056	15675	20007	SLV 1	0.39	861	1.081	-519292	1834463	1820220	SLV 15	0.46	1319	1.288	Si
61	2895	15675	20007	SLV 1	0.4	881	1.091	-489460	1717280	1658122	SLV 15	0.45	1252	1.26	Si
81	2735	15675	20007	SLV 1	0.4	901	1.101	-427560	1464668	1422107	SLV 15	0.45	1285	1.274	Si
92	2655	15675	20007	SLV 1	0.4	912	1.107	-397831	1338404	1422107	SLV 15	0.49	1564	1.381	Si
112	2495	15675	18479	SLV 1	0.37	746	1.019	-340816	1085999	1422107	SLV 15	0.57	2474	1.666	Si
132	2335	15675	18479	SLV 1	0.37	764	1.029	-287056	-833869	-1690634	SLV 1	0.57	2474	1.666	Si
153	2175	15675	18479	SLV 1	0.38	783	1.04	-236551	-582338	-970824	SLV 1	0.45	1279	1.271	Si
173	2015	15675	18479	SLV 1	0.38	802	1.05	-189303	-401871	-970824	SLV 5	0.57	2474	1.666	Si
193	1855	15675	18479	SLV 1	0.38	821	1.06	-37486	-677507	-970824	SLV 13	0.49	1619	1.4	Si
214	1694	15675	18340	SLV 1	0.39	824	1.062	-6059	-907619	-1350616	SLV 15	0.53	1966	1.517	Si
234	1534	15675	18340	SLV 1	0.39	843	1.072	22112	1166257	1422094	SLV 1	0.43	1123	1.205	Si
244	1454	15675	18340	SLV 1	0.39	853	1.077	34977	1291533	1658444	SLV 1	0.45	1269	1.267	Si
264	1294	15675	18340	SLV 1	0.39	873	1.087	46162	1408035	1820691	SLV 1	0.45	1278	1.271	Si
283	1151	15675	18340	SLV 1	0.4	891	1.096	46162	1408035	1872764	SLV 1	0.47	1379	1.311	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3199	5505	20007	SLD 1	0.41	960	2.844	-519292	811801	1872209	SLD 15	0.4	880	2.744	Si
41	3056	5505	20007	SLD 1	0.41	980	2.868	-519292	811801	1820220	SLD 15	0.39	834	2.685	Si
61	2895	5505	20007	SLD 1	0.42	1006	2.899	-489460	759945	1658122	SLD 15	0.38	795	2.633	Si
81	2735	5505	20007	SLD 1	0.42	1032	2.93	-427560	648159	1422107	SLD 15	0.38	814	2.658	Si
92	2655	5505	20007	SLD 1	0.42	1045	2.945	-397831	592284	1422107	SLD 15	0.41	975	2.862	Si
112	2495	5505	18479	SLD 1	0.39	849	2.704	-340816	480589	1422107	SLD 15	0.49	1565	3.475	Si
132	2335	5505	18479	SLD 1	0.39	869	2.73	-287056	-369015	-1690634	SLD 1	0.5	1724	3.616	Si
153	2175	5505	18479	SLD 1	0.4	891	2.759	-236551	-257705	-970824	SLD 1	0.38	811	2.654	Si
173	2015	5505	18479	SLD 1	0.4	913	2.786	-189303	-177841	-970824	SLD 5	0.58	2474	4.193	Si
193	1855	5505	18479	SLD 1	0.41	934	2.812	-37486	-299753	-970824	SLD 13	0.42	1011	2.905	Si
214	1694	5505	18340	SLD 1	0.41	938	2.817	-6059	-401603	-1350616	SLD 15	0.45	1228	3.146	Si
234	1534	5505	18340	SLD 1	0.41	959	2.843	22112	516046	1422094	SLD 1	0.37	719	2.526	Si
244	1454	5505	18340	SLD 1	0.41	971	2.857	34977	571486	1658444	SLD 1	0.38	804	2.645	Si
264	1294	5505	18340	SLD 1	0.42	996	2.887	46162	623043	1820691	SLD 1	0.38	810	2.653	Si
283	1151	5505	18340	SLD 1	0.42	1018	2.913	46162	623043	1872764	SLD 1	0.39	869	2.73	Si

Campata 11 tra i fili 12 - 13, sezione R 45x70, asta 992

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4						-49552	SLU 22	-27377	-1872764	0.089	Si
17	15.21	5.4	15.21	5.4	23802	SLU 11	23802	1872764	0.089	-17087	SLU 22	-15925	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4	30689	SLU 11	70914	1872764	0.089	-7703	SLU 22	-7703	-1872764	0.089	Si
34	15.21	5.4	15.19	5.4	45389	SLU 11	86648	1871235	0.089	12362	SLU 22	-7703	-1872762	0.089	Si
51	14.57	5.4	14.04	5.4	70819	SLU 29	107050	1734234	0.087	32628	SLU 4	-7703	-1797813	0.088	Si
69	12.95	5.4	11.4	5.4	93313	SLU 29	124435	1422094	0.084						Si
77	12.15	5.4	11.4	5.4	103429	SLU 29	131996	1422094	0.084						Si
94	7.6	5.4	11.4	5.4	121397	SLU 29	144856	1422093	0.084						Si
112	7.6	5.4	11.4	5.4	136349	SLU 29	154698	1422093	0.084						Si
129	7.6	5.4	11.4	5.4	148283	SLU 29	161524	1422093	0.084						Si
146	7.6	5.4	11.4	5.4	157201	SLU 29	165333	1422093	0.084						Si
163	7.6	5.4	11.4	5.4	163102	SLU 29	166296	1422093	0.084						Si
180	9.87	5.4	11.4	5.4	165986	SLU 29	166296	1422093	0.084						Si
197	10.68	5.4	11.4	5.4	165853	SLU 29	166296	1422094	0.084						Si
206	11.09	5.4	11.4	5.4	164655	SLU 29	166296	1422094	0.084						Si
223	11.4	5.4	11.4	5.4	159997	SLU 29	166024	1422094	0.084						Si
235	11.4	5.4	11.4	5.4	154940	SLU 29	164665	1422094	0.084						Si
240	11.4	5.4	11.4	5.4	152321	SLU 29	152321	1422094	0.084						Si
257	11.4	5.4	11.4	5.4	141629	SLU 29	141629	1422094	0.084						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	769321	SLV 13	695814	1872764	0.089	-813259	SLV 3	-706149	-1872764	0.089	Si
17	15.21	5.4	15.21	5.4	654638	SLV 13	650848	1872764	0.089	-649413	SLV 3	-643864	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4	618568	SLV 13	618568	1872764	0.089	-599150	SLV 3	-599150	-1872764	0.089	Si
34	15.21	5.4	15.19	5.4	538108	SLV 13	618568	1871235	0.089	-488361	SLV 3	-599150	-1872762	0.089	Si
51	14.57	5.4	14.04	5.4	420083	SLV 13	618568	1734234	0.087	-330456	SLV 3	-599150	-1797813	0.088	Si
69	12.95	5.4	11.4	5.4	301570	SLV 13	502013	1422094	0.084	-176705	SLV 3	-439684	-1606042	0.086	Si
77	12.15	5.4	11.4	5.4	243317	SLV 13	442967	1422094	0.084	-102573	SLV 3	-360829	-1510045	0.085	Si
94	7.6	5.4	11.4	5.4	206912	SLV 9	366055	1422093	0.084	-37892	SLV 7	-206190	-970824	0.078	Si
112	7.6	5.4	11.4	5.4	270714	SLV 1	505780	1422093	0.084	-78060	SLV 15	-283824	-970824	0.078	Si
129	7.6	5.4	11.4	5.4	408691	SLV 1	646039	1422093	0.084	-197043	SLV 15	-412950	-970824	0.078	Si
146	7.6	5.4	11.4	5.4	548786	SLV 1	785807	1422093	0.084	-322786	SLV 15	-546225	-970824	0.078	Si
163	7.6	5.4	11.4	5.4	689001	SLV 1	924456	1422093	0.084	-453290	SLV 15	-683024	-970824	0.078	Si
180	9.87	5.4	11.4	5.4	828497	SLV 1	1061572	1422093	0.084	-587717	SLV 15	-822931	-1240480	0.081	Si
197	10.68	5.4	11.4	5.4	966722	SLV 1	1196893	1422094	0.084	-725515	SLV 15	-965683	-1336521	0.082	Si
206	11.09	5.4	11.4	5.4	1035240	SLV 1	1263281	1422094	0.084	-795560	SLV 15	-1037478	-1384538	0.083	Si
223	11.4	5.4	11.4	5.4	1170929	SLV 1	1263281	1422094	0.084	-937783	SLV 15	-1037478	-1422094	0.084	Si
235	11.4	5.4	11.4	5.4	1263281	SLV 1	1263281	1422094	0.084	-1037478	SLV 15	-1037478	-1422094	0.084	Si
240	11.4	5.4	11.4	5.4	1304678	SLV 1	1295756	1422094	0.084	-1082708	SLV 15	-1073255	-1422094	0.084	Si
257	11.4	5.4	11.4	5.4	1436374	SLV 1	1340994	1422094	0.084	-1230221	SLV 15	-1123091	-1422094	0.084	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	328142	SLD 13	304973	1872764	0.089	-372080	SLD 3	-315308	-1872764	0.089	Si
17	15.21	5.4	15.21	5.4	291091	SLD 13	289902	1872764	0.089	-285866	SLD 3	-282918	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4	279083	SLD 13	279083	1872764	0.089	-259666	SLD 3	-259666	-1872764	0.089	Si
34	15.21	5.4	15.19	5.4	251927	SLD 13	279083	1871235	0.089	-202181	SLD 3	-259666	-1872762	0.089	Si
51	14.57	5.4	14.04	5.4	210807	SLD 13	279083	1734234	0.087	-121181	SLD 3	-259666	-1797813	0.088	Si
69	12.95	5.4	11.4	5.4	168176	SLD 13	239460	1422094	0.084	-43311	SLD 3	-177131	-1606042	0.086	Si
77	12.15	5.4	11.4	5.4	146817	SLD 13	218848	1422094	0.084	-6074	SLD 3	-136710	-1510045	0.085	Si
94	7.6	5.4	11.4	5.4	138351	SLD 9	219348	1422093	0.084	30668	SLD 7	-58197	-970824	0.078	Si
112	7.6	5.4	11.4	5.4	173385	SLD 1	285583	1422093	0.084	19269	SLD 15	-63627	-970824	0.078	Si
129	7.6	5.4	11.4	5.4	239740	SLD 1	350765	1422093	0.084	-28092	SLD 15	-117676	-970824	0.078	Si
146	7.6	5.4	11.4	5.4	305744	SLD 1	414437	1422093	0.084	-79744	SLD 15	-174856	-970824	0.078	Si
163	7.6	5.4	11.4	5.4	370511	SLD 1	476319	1422093	0.084	-134801	SLD 15	-234888	-970824	0.078	Si
180	9.87	5.4	11.4	5.4	433666	SLD 1	536228	1422093	0.084	-192887	SLD 15	-297587	-1240480	0.081	Si
197	10.68	5.4	11.4	5.4	494964	SLD 1	594046	1422094	0.084	-253757	SLD 15	-362837	-1336521	0.082	Si
206	11.09	5.4	11.4	5.4	524864	SLD 1	621920	1422094	0.084	-285183	SLD 15	-396117	-1384538	0.083	Si
223	11.4	5.4	11.4	5.4	583095	SLD 1	621920	1422094	0.084	-349949	SLD 15	-396117	-1422094	0.084	Si
235	11.4	5.4	11.4	5.4	621920	SLD 1	621920	1422094	0.084	-396117	SLD 15	-396117	-1422094	0.084	Si
240	11.4	5.4	11.4	5.4	639173	SLD 1	635371	1422094	0.084	-417203	SLD 15	-412869	-1422094	0.084	Si
257	11.4	5.4	11.4	5.4	693047	SLD 1	654108	1422094	0.084	-486895	SLD 15	-436205	-1422094	0.084	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	12.95	0	1986	SLU 19	1986	11396	76908	0	11396	1	Si
17	0	11.34	0	1810	SLU 19	1810	10900	76908	0	10900	1	Si
23	0.101	11.34	0	1756	SLU 19	1756	10900	76908	11671	11671	1	Si
34	0.101	11.4	0	1634	SLU 19	1634	10922	76908	11671	11671	1	Si
51	0.101	11.4	0	1459	SLU 19	1459	10922	76908	11671	11671	1	Si
69	0.101	11.4	0	1283	SLU 19	1283	10922	76908	11671	11671	1	Si
77	0.101	11.4	0	1195	SLU 19	1195	10922	76908	11671	11671	1	Si
94	0.097	11.4	0	1019	SLU 19	1019	10922	76908	11268	11268	1	Si
112	0.097	11.4	0	844	SLU 19	844	10922	76908	11268	11268	1	Si
129	0.097	11.4	0	668	SLU 19	668	10922	76908	11268	11268	1	Si
146	0.097	11.4	0	492	SLU 19	492	10922	76908	11268	11268	1	Si
163	0.097	11.4	0	316	SLU 19	316	10922	76908	11268	11268	1	Si
180	0.101	11.4	0	141	SLU 19	141	10922	76908	11671	11671	1	Si
197	0.101	11.4	0	-102	SLU 36	-102	-10922	-76908	-11671	-11671	1	Si
206	0.101	11.4	0	-190	SLU 36	-190	-10922	-76908	-11671	-11671	1	Si
223	0.101	11.4	0	-365	SLU 36	-365	-10922	-76908	-11671	-11671	1	Si
235	0.101	11.4	0	-486	SLU 36	-486	-10922	-76908	-11671	-11671	1	Si
240	0	11.4	0	-541	SLU 36	-541	-10922	-76908	0	-10922	1	Si
257	0	11.4	0	-717	SLU 36	-717	-10922	-76908	0	-10922	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	12.95	0	9688	SLV 3	11817	11396	76908	0	11396	1	Si
0	0	11.4	0	-6689	SLV 13	-8818	-10922	-76908	0	-10922	1	Si
17	0	11.34	0	9553	SLV 3	11682	10900	76908	0	10900	1	Si
17	0	11.4	0	-6824	SLV 13	-8953	-10922	-76908	0	-10922	1	Si
23	0.101	11.34	0	9511	SLV 3	11640	10900	76908	11671	11671	1	Si
23	0.101	11.4	0	-6866	SLV 13	-8995	-10922	-76908	-11671	-11671	1	Si
34	0.101	7.6	0	9418	SLV 3	11547	9541	76908	11671	11671	1	Si
34	0.101	11.4	0	-6960	SLV 13	-9089	-10922	-76908	-11671	-11671	1	Si
51	0.101	7.6	0	9283	SLV 3	11412	9541	76908	11671	11671	1	Si
51	0.101	11.4	0	-7095	SLV 13	-9224	-10922	-76908	-11671	-11671	1	Si
69	0.101	7.6	0	9147	SLV 3	11276	9541	76908	11671	11671	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
69	0.101	11.4	0	-7230	SLV 13	-9359	-10922	-76908	-11671	-11671	1	Si
77	0.101	7.6	0	9080	SLV 3	11209	9541	76908	11671	11671	1	Si
77	0.101	11.4	0	-7297	SLV 13	-9427	-10922	-76908	-11671	-11671	1	Si
94	0.097	11.4	0	8945	SLV 3	11074	10922	76908	11268	11268	1	Si
94	0.097	11.4	0	-7433	SLV 13	-9562	-10922	-76908	-11268	-11268	1	Si
112	0.097	11.4	0	8809	SLV 3	10939	10922	76908	11268	11268	1	Si
112	0.097	9.87	0	-7568	SLV 13	-9697	-10410	-76908	-11268	-11268	1	Si
129	0.097	11.4	0	8674	SLV 3	10803	10922	76908	11268	11268	1	Si
129	0.097	10.68	0	-7703	SLV 13	-9832	-10687	-76908	-11268	-11268	1	Si
146	0.097	11.4	0	8539	SLV 3	10668	10922	76908	11268	11268	1	Si
146	0.097	11.4	0	-7838	SLV 13	-9967	-10922	-76908	-11268	-11268	1	Si
163	0.097	11.4	0	8404	SLV 3	10533	10922	76908	11268	11268	1	Si
163	0.097	7.6	0	-7973	SLV 13	-10102	-9541	-76908	-11268	-11268	1	Si
180	0.101	11.4	0	8269	SLV 3	10398	10922	76908	11671	11671	1	Si
180	0.101	7.6	0	-8109	SLV 13	-10238	-9541	-76908	-11671	-11671	1	Si
197	0.101	11.4	0	8134	SLV 3	10263	10922	76908	11671	11671	1	Si
197	0.101	7.6	0	-8244	SLV 13	-10373	-9541	-76908	-11671	-11671	1	Si
206	0.101	11.4	0	8066	SLV 3	10195	10922	76908	11671	11671	1	Si
206	0.101	7.6	0	-8311	SLV 13	-10440	-9541	-76908	-11671	-11671	1	Si
223	0.101	11.4	0	7931	SLV 3	10060	10922	76908	11671	11671	1	Si
223	0.101	7.6	0	-8447	SLV 13	-10576	-9541	-76908	-11671	-11671	1	Si
235	0.101	11.4	0	7838	SLV 3	9967	10922	76908	11671	11671	1	Si
235	0.101	9.47	0	-8540	SLV 13	-10669	-10266	-76908	-11671	-11671	1	Si
240	0	11.4	0	7796	SLV 3	9925	10922	76908	0	10922	1	Si
240	0	9.47	0	-8582	SLV 13	-10711	-10266	-76908	0	-10266	1	Si
257	0	11.4	0	7660	SLV 3	9789	10922	76908	0	10922	1	Si
257	0	10.28	0	-8717	SLV 13	-10846	-10550	-76908	0	-10550	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	12.95	0	5123	SLD 3	5123	11396	76908	0	11396	1	Si
0	0	11.4	0	-2124	SLD 13	-2124	-10922	-76908	0	-10922	1	Si
17	0	11.34	0	4988	SLD 3	4988	10900	76908	0	10900	1	Si
17	0	11.4	0	-2259	SLD 13	-2259	-10922	-76908	0	-10922	1	Si
23	0.101	11.34	0	4946	SLD 3	4946	10900	76908	11671	11671	1	Si
23	0.101	11.4	0	-2301	SLD 13	-2301	-10922	-76908	-11671	-11671	1	Si
34	0.101	7.6	0	4853	SLD 3	4853	9541	76908	11671	11671	1	Si
34	0.101	11.4	0	-2394	SLD 13	-2394	-10922	-76908	-11671	-11671	1	Si
51	0.101	7.6	0	4718	SLD 3	4718	9541	76908	11671	11671	1	Si
51	0.101	11.4	0	-2530	SLD 13	-2530	-10922	-76908	-11671	-11671	1	Si
69	0.101	7.6	0	4582	SLD 3	4582	9541	76908	11671	11671	1	Si
69	0.101	11.4	0	-2665	SLD 13	-2665	-10922	-76908	-11671	-11671	1	Si
77	0.101	7.6	0	4515	SLD 3	4515	9541	76908	11671	11671	1	Si
77	0.101	11.4	0	-2732	SLD 13	-2732	-10922	-76908	-11671	-11671	1	Si
94	0.097	11.4	0	4380	SLD 3	4380	10922	76908	11268	11268	1	Si
94	0.097	11.4	0	-2868	SLD 13	-2868	-10922	-76908	-11268	-11268	1	Si
112	0.097	11.4	0	4244	SLD 3	4244	10922	76908	11268	11268	1	Si
112	0.097	11.4	0	-3003	SLD 13	-3003	-10922	-76908	-11268	-11268	1	Si
129	0.097	11.4	0	4109	SLD 3	4109	10922	76908	11268	11268	1	Si
129	0.097	10.68	0	-3138	SLD 13	-3138	-10687	-76908	-11268	-11268	1	Si
146	0.097	11.4	0	3974	SLD 3	3974	10922	76908	11268	11268	1	Si
146	0.097	11.4	0	-3273	SLD 13	-3273	-10922	-76908	-11268	-11268	1	Si
163	0.097	11.4	0	3839	SLD 3	3839	10922	76908	11268	11268	1	Si
163	0.097	7.6	0	-3408	SLD 13	-3408	-9541	-76908	-11268	-11268	1	Si
180	0.101	11.4	0	3704	SLD 3	3704	10922	76908	11671	11671	1	Si
180	0.101	7.6	0	-3544	SLD 13	-3544	-9541	-76908	-11671	-11671	1	Si
197	0.101	11.4	0	3569	SLD 3	3569	10922	76908	11671	11671	1	Si
197	0.101	7.6	0	-3679	SLD 13	-3679	-9541	-76908	-11671	-11671	1	Si
206	0.101	11.4	0	3501	SLD 3	3501	10922	76908	11671	11671	1	Si
206	0.101	7.6	0	-3746	SLD 13	-3746	-9541	-76908	-11671	-11671	1	Si
223	0.101	11.4	0	3366	SLD 3	3366	10922	76908	11671	11671	1	Si
223	0.101	7.6	0	-3882	SLD 13	-3882	-9541	-76908	-11671	-11671	1	Si
235	0.101	11.4	0	3273	SLD 3	3273	10922	76908	11671	11671	1	Si
235	0.101	9.47	0	-3975	SLD 13	-3975	-10266	-76908	-11671	-11671	1	Si
240	0	11.4	0	3231	SLD 3	3231	10922	76908	0	10922	1	Si
240	0	9.47	0	-4017	SLD 13	-4017	-10266	-76908	0	-10266	1	Si
257	0	11.4	0	3095	SLD 3	3095	10922	76908	0	10922	1	Si
257	0	10.28	0	-4152	SLD 13	-4152	-10550	-76908	0	-10550	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-30925	4	-14021	0.4	124.5	15.7	1837	-30384	1	-13429	0.4	93.4	0	+∞	Si
17	8066	2	8066	0.2	124.5	9	1837	2613	2	2613	0.1	93.4	0	+∞	Si
17	-6187	4	-5302	0.2	124.5	5.9	1837	-5568	1	-4679	0.1	93.4	0	+∞	Si
23	15113	2	50026	1.5	124.5	56.1	1837	9709	2	44887	1.3	93.4	0	+∞	Si
34	30170	2	62239	1.8	124.5	69.8	1837	24873	2	57208	1.7	93.4	0	+∞	Si
51	49953	2	78092	2.4	124.5	94.6	1837	44813	2	73218	2.3	93.4	0	+∞	Si
69	67415	2	91625	3.1	124.5	135.9	1837	62432	2	86908	2.9	93.4	0	+∞	Si
77	75276	2	97520	3.3	124.5	144.7	1837	70372	2	92882	3.2	93.4	0	+∞	Si
94	89257	2	107572	3.9	124.5	160.2	1837	84510	2	103090	3.7	93.4	0	+∞	Si
112	100918	2	115302	4.2	124.5	171.7	1837	96327	2	110978	4	93.4	0	+∞	Si
129	110258	2	120712	4.4	124.5	179.7	1837	105824	2	116545	4.2	93.4	0	+∞	Si
146	117277	2	123801	4.5	124.5	184.3	1837	113000	2	119791	4.3	93.4	0	+∞	Si
163	121975	2	124671	4.5	124.5	185.6	1837	117855	2	120787	4.4	93.4	0	+∞	Si
180	124353	2	124671	4.4	124.5	185.3	1837	120390	2	120787	4.2	93.4	0	+∞	Si
197	124409	2	124671	4.3	124.5	185.2	1837	120604	2	120787	4.2	93.4	0	+∞	Si
206	123568	2	124671	4.3	124.5	185.1	1837	119840	2	120787	4.2	93.4	0	+∞	Si
223	120144	2	124511	4.3	124.5	184.8	1837	116573	2	120675	4.2	93.4	0	+∞	Si
235	116364	2	123575	4.3	124.5	183.4	1837	112901	2	119847	4.1	93.4	0	+∞	Si
240	114399	2	114399	3.9	124.5	169.8	1837	110985	2	110985	3.8	93.4	0	+∞	Si
257	106333	2	106333	3.7	124.5	157.8	1837	103076	2	103076	3.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
17	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
23	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si
34	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
51	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
69	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
77	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
94	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
112	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
129	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
137	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
146	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
163	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
180	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
197	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
206	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
223	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
235	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
240	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1322	10318	11671	SLV 3	0.36	717	1.003	9709	608859	1872764	SLV 13	0.57	2474	1.666	Si
34	1229	10318	11671	SLV 3	0.37	732	1.011	9709	608859	1871235	SLV 13	0.57	2474	1.666	Si
51	1094	10318	11671	SLV 3	0.37	756	1.025	9709	608859	1734234	SLV 13	0.57	2474	1.666	Si
69	959	10318	11671	SLV 3	0.38	780	1.038	31165	470849	1422094	SLV 13	0.57	2474	1.666	Si
77	891	10318	11671	SLV 3	0.38	792	1.045	41069	401898	1422094	SLV 13	0.57	2474	1.666	Si
94	756	10318	11268	SLV 3	0.37	745	1.019	59137	-265327	-970824	SLV 3	0.57	2474	1.666	Si
112	621	10318	11268	SLV 3	0.37	768	1.032	110978	-394802	-970824	SLV 15	0.57	2474	1.666	Si
129	486	10318	11268	SLV 3	0.38	792	1.045	116545	-529494	-970824	SLV 15	0.57	2474	1.666	Si
146	350	10318	11268	SLV 3	0.38	817	1.058	119791	-666016	-970824	SLV 15	0.57	2474	1.666	Si
163	215	10318	11268	SLV 3	0.39	842	1.071	120716	-803740	-970824	SLV 15	0.49	1558	1.379	Si
180	80	10318	11671	SLV 3	0.41	945	1.123	119321	942252	1422093	SLV 1	0.5	1635	1.406	Si
197	-55	-10318	-11671	SLV 13	0.41	950	1.126	115605	1081288	1422094	SLV 1	0.44	1143	1.214	Si
206	-123	-10318	-11671	SLV 13	0.41	937	1.119	112901	1150379	1422094	SLV 1	0.41	975	1.138	Si
223	-258	-10318	-11671	SLV 13	0.4	910	1.106	112901	1150379	1422094	SLV 1	0.41	975	1.138	Si
235	-351	-10318	-11671	SLV 13	0.4	892	1.097	112901	1150379	1422094	SLV 1	0.41	975	1.138	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1322	3624	11671	SLD 3	0.38	816	2.661	9709	269374	1872764	SLD 13	0.6	2474	4.193	Si
34	1229	3624	11671	SLD 3	0.39	833	2.683	9709	269374	1871235	SLD 13	0.6	2474	4.193	Si
51	1094	3624	11671	SLD 3	0.39	860	2.719	9709	269374	1734234	SLD 13	0.6	2474	4.193	Si
69	959	3624	11671	SLD 3	0.4	888	2.755	31165	208295	1422094	SLD 13	0.6	2474	4.193	Si
77	891	3624	11671	SLD 3	0.4	901	2.771	41069	177779	1422094	SLD 13	0.6	2474	4.193	Si
94	756	3624	11268	SLD 3	0.39	848	2.703	59137	-117335	-970824	SLD 3	0.6	2474	4.193	Si
112	621	3624	11268	SLD 3	0.39	874	2.737	110978	-174605	-970824	SLD 15	0.6	2474	4.193	Si
129	486	3624	11268	SLD 3	0.4	901	2.771	116545	-234221	-970824	SLD 15	0.6	2474	4.193	Si
146	350	3624	11268	SLD 3	0.4	930	2.807	119791	-294647	-970824	SLD 15	0.49	1603	3.51	Si
163	215	3624	11268	SLD 3	0.41	958	2.842	120716	-355603	-970824	SLD 15	0.41	973	2.86	Si
180	80	3624	11671	SLD 3	0.43	1087	2.993	119321	416907	1422093	SLD 1	0.42	1021	2.917	Si
197	-55	-3624	-11671	SLD 13	0.43	1093	3	115605	478441	1422094	SLD 1	0.37	731	2.543	Si
206	-123	-3624	-11671	SLD 13	0.43	1077	2.981	112901	509019	1422094	SLD 1	0.35	632	2.396	Si
223	-258	-3624	-11671	SLD 13	0.42	1043	2.943	112901	509019	1422094	SLD 1	0.35	632	2.396	Si
235	-351	-3624	-11671	SLD 13	0.42	1020	2.916	112901	509019	1422094	SLD 1	0.35	632	2.396	Si

Campata 12 tra i fili 13 - 14, sezione R 45x70, asta 993

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	153348	SLU 29	151012	1422094	0.084						Si
20	11.4	5.4	11.4	5.4	147244	SLU 29	147128	1422094	0.084						Si
23	11.4	5.4	11.4	5.4	146177	SLU 29	146177	1422094	0.084						Si
40	11.4	5.4	11.4	5.4	136977	SLU 29	146177	1422094	0.084						Si
61	10.66	5.4	11.4	5.4	122546	SLU 29	141969	1422094	0.084						Si
81	9.71	5.4	11.4	5.4	103952	SLU 29	129377	1422093	0.084						Si
91	9.24	5.4	11.4	5.4	93094	SLU 29	121519	1422093	0.084						Si
111	7.6	5.4	11.4	5.4	68347	SLU 20	102681	1422093	0.084						Si
131	7.6	5.4	11.4	5.4	43285	SLU 20	79680	1422093	0.084	17176	SLU 17	-24610	-970824	0.078	Si
151	12.14	5.4	13.21	5.4	17571	SLU 19	54809	1635957	0.086	-10590	SLU 18	-60427	-1509321	0.085	Si
171	14.99	5.4	11.92	5.4	-10038	SLU 19	28381	1483667	0.084	-43148	SLU 18	-104318	-1847579	0.089	Si
192	17.84	5.4	14.64	5.4	-36344	SLU 1	2611	1805518	0.087	-84374	SLU 36	-152372	-2185255	0.093	Si
212	19.01	5.4	15.21	5.4						-130590	SLU 36	-204590	-2323187	0.094	Si
232	19.01	5.4	15.21	5.4						-180969	SLU 36	-260971	-2323187	0.094	Si
242	19.01	5.4	15.21	5.4						-207721	SLU 36	-290723	-2323187	0.094	Si
262	19.01	5.4	15.21	5.4						-264346	SLU 36	-302651	-2323187	0.094	Si
275	19.01	5.4	15.21	5.4						-302651	SLU 36	-302651	-2323187	0.094	Si
282	19.01	5.4	15.21	5.4						-325134	SLU 36	-321987	-2323187	0.094	Si
303	19.01	5.4	15.21	5.4						-390086	SLU 36	-344485	-2323187	0.094	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	923704	SLV 15	812412	1422094	0.084	-726693	SLV 1	-615648	-1422094	0.084	Si
20	11.4	5.4	11.4	5.4	722198	SLV 15	721009	1422094	0.084	-528577	SLV 1	-527531	-1422094	0.084	Si
23	11.4	5.4	11.4	5.4	698634	SLV 15	698634	1422094	0.084	-505961	SLV 1	-505961	-1422094	0.084	Si
40	11.4	5.4	11.4	5.4	517893	SLV 15	698634	1422094	0.084	-334066	SLV 1	-505961	-1422094	0.084	Si
61	10.66	5.4	11.4	5.4	311753	SLV 15	608377	1422094	0.084	-144126	SLV 1	-419519	-1334197	0.082	Si
81	9.71	5.4	11.4	5.4	149891	SLV 11	402832	1422093	0.084	-4870	SLV 5	-227346	-1221360	0.081	Si
91	9.24	5.4	11.4	5.4	173259	SLV 3	413760	1422093	0.084	-41943	SLV 13	-331000	-1164939	0.08	Si
111	7.6	5.4	11.4	5.4	336170	SLV 3	590727	1422093	0.084	-237068	SLV 13	-549414	-970824	0.078	Si
131	7.6	5.4	11.4	5.4	512646	SLV 3	766087	1422093	0.084	-452163	SLV 13	-772627	-970824	0.078	Si
151	12.14	5.4	13.21	5.4	689006	SLV 3	938718	1635957	0.086	-673547	SLV 13	-999515	-1509321	0.085	Si
171	14.99	5.4	11.92	5.4	862901	SLV 1	1108348	1483667	0.084	-898873	SLV 15	-1229809	-1847579	0.089	Si
192	17.84	5.4	14.64	5.4	1033876	SLV 1	1274880	1805518	0.087	-1127682	SLV 15	-1463410	-2185255	0.093	Si
212	19.01	5.4	15.21	5.4	1201784	SLV 1	1438271	1872544	0.088	-1359831	SLV 15	-1700275	-2323187	0.094	Si
232	19.01	5.4	15.21	5.4	1366566	SLV 1	1598499	1872544	0.088	-1595260	SLV 15	-1940383	-2323187	0.094	Si
242	19.01	5.4	15.21	5.4	1447775	SLV 1	1677422	1872544	0.088	-1714194	SLV 15	-2061648	-2323187	0.094	Si
262	19.01	5.4	15.21	5.4	1607817	SLV 1	1707930	1872544	0.088	-1954491	SLV 15	-2109168	-2323187	0.094	Si
275	19.01	5.4	15.21	5.4	1707930	SLV 1	1707930	1872544	0.088	-2109168	SLV 15	-2109168	-2323187	0.094	Si
282	19.01	5.4	15.21	5.4	1764683	SLV 1	1757259	1872544	0.088	-2198016	SLV 15	-2186084	-2323187	0.094	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
303	19.01	5.4	15.21	5.4	1918364	SLV 1	1814651	1872544	0.088	-2444763	SLV 15	-2275572	-2323187	0.094	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	463576	SLD 15	414258	1422094	0.084	-266565	SLD 1	-217494	-1422094	0.084	Si
20	11.4	5.4	11.4	5.4	373463	SLD 15	372896	1422094	0.084	-179842	SLD 1	-179418	-1422094	0.084	Si
23	11.4	5.4	11.4	5.4	362771	SLD 15	362771	1422094	0.084	-170098	SLD 1	-170098	-1422094	0.084	Si
40	11.4	5.4	11.4	5.4	280324	SLD 15	362771	1422094	0.084	-96497	SLD 1	-170098	-1422094	0.084	Si
61	10.66	5.4	11.4	5.4	184582	SLD 15	321767	1422094	0.084	-16956	SLD 1	-132909	-1334197	0.082	Si
81	9.71	5.4	11.4	5.4	106384	SLD 11	227080	1422093	0.084	38637	SLD 5	-71405	-1221360	0.081	Si
91	9.24	5.4	11.4	5.4	113150	SLD 3	206139	1422093	0.084	18166	SLD 13	-123379	-1164939	0.08	Si
111	7.6	5.4	11.4	5.4	176327	SLD 3	272928	1422093	0.084	-77225	SLD 13	-231615	-970824	0.078	Si
131	7.6	5.4	11.4	5.4	243711	SLD 3	337198	1422093	0.084	-183228	SLD 13	-343738	-970824	0.078	Si
151	12.14	5.4	13.21	5.4	309218	SLD 3	398468	1635957	0.086	-293759	SLD 13	-459266	-1509321	0.085	Si
171	14.99	5.4	11.92	5.4	371838	SLD 1	456622	1483667	0.084	-407809	SLD 15	-578083	-1847579	0.089	Si
192	17.84	5.4	14.64	5.4	431376	SLD 1	511618	1805518	0.087	-525182	SLD 15	-700148	-2185255	0.093	Si
212	19.01	5.4	15.21	5.4	487770	SLD 1	563438	1872544	0.088	-645817	SLD 15	-825442	-2323187	0.094	Si
232	19.01	5.4	15.21	5.4	540994	SLD 1	612072	1872544	0.088	-769688	SLD 15	-953956	-2323187	0.094	Si
242	19.01	5.4	15.21	5.4	566413	SLD 1	635193	1872544	0.088	-832832	SLD 15	-1019419	-2323187	0.094	Si
262	19.01	5.4	15.21	5.4	614861	SLD 1	643950	1872544	0.088	-961534	SLD 15	-1045189	-2323187	0.094	Si
275	19.01	5.4	15.21	5.4	643950	SLD 1	643950	1872544	0.088	-1045189	SLD 15	-1045189	-2323187	0.094	Si
282	19.01	5.4	15.21	5.4	660117	SLD 1	658088	1872544	0.088	-1093450	SLD 15	-1086913	-2323187	0.094	Si
303	19.01	5.4	15.21	5.4	702178	SLD 1	674537	1872544	0.088	-1228577	SLD 15	-1135457	-2323187	0.094	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	283	SLU 19	283	10922	76908	0	10922	1	Si
0	0	11.4	0	-344	SLU 18	-344	-10922	-76908	0	-10922	1	Si
20	0	11.4	0	76	SLU 19	76	10922	76908	0	10922	1	Si
20	0	11.4	0	-503	SLU 18	-503	-10922	-76908	0	-10922	1	Si
23	0.115	11.4	0	52	SLU 19	52	10922	76908	13338	13338	1	Si
23	0.115	11.4	0	-521	SLU 18	-521	-10922	-76908	-13338	-13338	1	Si
40	0.115	11.4	0	-662	SLU 18	-662	-10922	-76908	-13338	-13338	1	Si
61	0.115	11.4	0	-847	SLU 36	-847	-10922	-76908	-13338	-13338	1	Si
81	0.115	11.4	0	-1053	SLU 36	-1053	-10922	-76908	-13338	-13338	1	Si
91	0.115	11.4	0	-1156	SLU 36	-1156	-10922	-76908	-13338	-13338	1	Si
111	0.125	11.4	0	-1363	SLU 36	-1363	-10922	-76908	-14524	-14524	1	Si
131	0.125	11.4	0	-1569	SLU 36	-1569	-10922	-76908	-14524	-14524	1	Si
151	0.125	9.24	0	-1776	SLU 36	-1776	-10181	-76908	-14524	-14524	1	Si
171	0.125	7.6	0	-1982	SLU 36	-1982	-9541	-76908	-14524	-14524	1	Si
192	0.125	7.6	0	-2188	SLU 36	-2188	-9541	-76908	-14524	-14524	1	Si
212	0.129	12.14	0	-2395	SLU 36	-2395	-11152	-76908	-15005	-15005	1	Si
232	0.129	14.99	0	-2601	SLU 36	-2601	-11964	-76908	-15005	-15005	1	Si
242	0.129	16.42	0	-2705	SLU 36	-2705	-12332	-76908	-15005	-15005	1	Si
262	0.129	19.01	0	-2911	SLU 36	-2911	-12949	-76908	-15005	-15005	1	Si
275	0.129	19.01	0	-3042	SLU 36	-3042	-12949	-76908	-15005	-15005	1	Si
282	0	19.01	0	-3118	SLU 36	-3118	-12949	-76908	0	-12949	1	Si
303	0	19.01	0	-3324	SLU 36	-3324	-12949	-76908	0	-12949	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.66	0	9927	SLV 1	12509	10680	76908	0	10680	1	Si
0	0	11.4	0	-9936	SLV 15	-12519	-10922	-76908	0	-10922	1	Si
20	0	9.71	0	9768	SLV 1	12351	10353	76908	0	10353	1	Si
20	0	11.4	0	-10095	SLV 15	-12678	-10922	-76908	0	-10922	1	Si
23	0.115	9.24	0	9750	SLV 1	12332	10181	76908	13338	13338	1	Si
23	0.115	11.4	0	-10114	SLV 15	-12696	-10922	-76908	-13338	-13338	1	Si
40	0.115	7.6	0	9610	SLV 1	12192	9541	76908	13338	13338	1	Si
40	0.115	11.4	0	-10254	SLV 15	-12836	-10922	-76908	-13338	-13338	1	Si
61	0.115	7.6	0	9451	SLV 1	12033	9541	76908	13338	13338	1	Si
61	0.115	11.4	0	-10413	SLV 15	-12995	-10922	-76908	-13338	-13338	1	Si
81	0.115	11.4	0	9292	SLV 1	11874	10922	76908	13338	13338	1	Si
81	0.115	11.4	0	-10572	SLV 15	-13154	-10922	-76908	-13338	-13338	1	Si
91	0.115	11.4	0	9213	SLV 1	11795	10922	76908	13338	13338	1	Si
91	0.115	11.4	0	-10651	SLV 15	-13233	-10922	-76908	-13338	-13338	1	Si
111	0.125	11.4	0	9054	SLV 1	11636	10922	76908	14524	14524	1	Si
111	0.125	11.14	0	-10810	SLV 15	-13392	-10836	-76908	-14524	-14524	1	Si
131	0.125	11.4	0	8895	SLV 1	11477	10922	76908	14524	14524	1	Si
131	0.125	10.19	0	-10969	SLV 15	-13551	-10519	-76908	-14524	-14524	1	Si
151	0.125	11.4	0	8736	SLV 1	11318	10922	76908	14524	14524	1	Si
151	0.125	9.24	0	-11128	SLV 15	-13710	-10181	-76908	-14524	-14524	1	Si
171	0.125	11.4	0	8577	SLV 1	11160	10922	76908	14524	14524	1	Si
171	0.125	7.6	0	-11286	SLV 15	-13869	-9541	-76908	-14524	-14524	1	Si
192	0.125	11.4	0	8418	SLV 1	11001	10922	76908	14524	14524	1	Si
192	0.125	7.6	0	-11445	SLV 15	-14027	-9541	-76908	-14524	-14524	1	Si
212	0.129	13.21	0	8260	SLV 1	10842	11469	76908	15005	15005	1	Si
212	0.129	12.14	0	-11604	SLV 15	-14186	-11152	-76908	-15005	-15005	1	Si
232	0.129	11.92	0	8101	SLV 1	10683	11085	76908	15005	15005	1	Si
232	0.129	14.99	0	-11763	SLV 15	-14345	-11964	-76908	-15005	-15005	1	Si
242	0.129	13.28	0	8021	SLV 1	10604	11491	76908	15005	15005	1	Si
242	0.129	16.42	0	-11842	SLV 15	-14424	-12332	-76908	-15005	-15005	1	Si
262	0.129	15.21	0	7863	SLV 1	10445	12021	76908	15005	15005	1	Si
262	0.129	19.01	0	-12001	SLV 15	-14583	-12949	-76908	-15005	-15005	1	Si
275	0.129	15.21	0	7762	SLV 1	10344	12021	76908	15005	15005	1	Si
275	0.129	19.01	0	-12102	SLV 15	-14684	-12949	-76908	-15005	-15005	1	Si
282	0	15.21	0	7704	SLV 1	10286	12021	76908	0	12021	1	Si
282	0	19.01	0	-12160	SLV 15	-14742	-12949	-76908	0	-12949	1	Si
303	0	15.21	0	7545	SLV 1	10127	12021	76908	0	12021	1	Si
303	0	19.01	0	-12319	SLV 15	-14901	-12949	-76908	0	-12949	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.66	0	4390	SLD 1	4390	10680	76908	0	10680	1	Si
0	0	11.4	0	-4399	SLD 15	-4399	-10922	-76908	0	-10922	1	Si
20	0	9.71	0	4231	SLD 1	4231	10353	76908	0	10353	1	Si
20	0	11.4	0	-4558	SLD 15	-4558	-10922	-76908	0	-10922	1	Si
23	0.115	9.24	0	4213	SLD 1	4213	10181	76908	13338	13338	1	Si
23	0.115	11.4	0	-4577	SLD 15	-4577	-10922	-76908	-13338	-13338	1	Si
40	0.115	7.6	0	4072	SLD 1	4072	9541	76908	13338	13338	1	Si
40	0.115	11.4	0	-4717	SLD 15	-4717	-10922	-76908	-13338	-13338	1	Si
61	0.115	7.6	0	3914	SLD 1	3914	9541	76908	13338	13338	1	Si
61	0.115	11.4	0	-4876	SLD 15	-4876	-10922	-76908	-13338	-13338	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
81	0.115	11.4	0	3755	SLD 1	3755	10922	76908	13338	13338	1	Si
81	0.115	11.4	0	-5035	SLD 15	-5035	-10922	-76908	-13338	-13338	1	Si
91	0.115	11.4	0	3675	SLD 1	3675	10922	76908	13338	13338	1	Si
91	0.115	11.4	0	-5114	SLD 15	-5114	-10922	-76908	-13338	-13338	1	Si
111	0.125	11.4	0	3517	SLD 1	3517	10922	76908	14524	14524	1	Si
111	0.125	11.14	0	-5273	SLD 15	-5273	-10836	-76908	-14524	-14524	1	Si
131	0.125	11.4	0	3358	SLD 1	3358	10922	76908	14524	14524	1	Si
131	0.125	10.19	0	-5432	SLD 15	-5432	-10519	-76908	-14524	-14524	1	Si
151	0.125	11.4	0	3199	SLD 1	3199	10922	76908	14524	14524	1	Si
151	0.125	9.24	0	-5590	SLD 15	-5590	-10181	-76908	-14524	-14524	1	Si
171	0.125	11.4	0	3040	SLD 1	3040	10922	76908	14524	14524	1	Si
171	0.125	7.6	0	-5749	SLD 15	-5749	-9541	-76908	-14524	-14524	1	Si
192	0.125	11.4	0	2881	SLD 1	2881	10922	76908	14524	14524	1	Si
192	0.125	7.6	0	-5908	SLD 15	-5908	-9541	-76908	-14524	-14524	1	Si
212	0.129	13.21	0	2723	SLD 1	2723	11469	76908	15005	15005	1	Si
212	0.129	12.14	0	-6067	SLD 15	-6067	-11152	-76908	-15005	-15005	1	Si
232	0.129	11.92	0	2564	SLD 1	2564	11085	76908	15005	15005	1	Si
232	0.129	14.99	0	-6226	SLD 15	-6226	-11964	-76908	-15005	-15005	1	Si
242	0.129	13.28	0	2484	SLD 1	2484	11491	76908	15005	15005	1	Si
242	0.129	16.42	0	-6305	SLD 15	-6305	-12332	-76908	-15005	-15005	1	Si
262	0.129	15.21	0	2326	SLD 1	2326	12021	76908	15005	15005	1	Si
262	0.129	19.01	0	-6464	SLD 15	-6464	-12949	-76908	-15005	-15005	1	Si
275	0.129	15.21	0	2224	SLD 1	2224	12021	76908	15005	15005	1	Si
275	0.129	19.01	0	-6565	SLD 15	-6565	-12949	-76908	-15005	-15005	1	Si
282	0	15.21	0	2167	SLD 1	2167	12021	76908	0	12021	1	Si
282	0	19.01	0	-6623	SLD 15	-6623	-12949	-76908	0	-12949	1	Si
303	0	15.21	0	2008	SLD 1	2008	12021	76908	0	12021	1	Si
303	0	19.01	0	-6782	SLD 15	-6782	-12949	-76908	0	-12949	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	109130	2	108146	3.7	124.5	160.5	1837	98505	2	98382	3.4	93.4	0	+∞	Si
20	105894	2	105813	3.6	124.5	157.1	1837	96811	2	96739	3.3	93.4	0	+∞	Si
23	105241	2	105241	3.6	124.5	156.2	1837	96337	2	96337	3.3	93.4	0	+∞	Si
40	99455	2	105241	3.6	124.5	156.2	1837	91913	2	96337	3.3	93.4	0	+∞	Si
61	89813	2	102651	3.6	124.5	152.5	1837	83813	2	94429	3.3	93.4	0	+∞	Si
81	76969	2	94423	3.3	124.5	140.3	1837	72511	2	87743	3.1	93.4	0	+∞	Si
91	69346	2	89109	3.2	124.5	132.5	1837	65658	2	83199	3	93.4	0	+∞	Si
111	51698	2	76077	2.8	124.5	113.3	1837	49551	2	71709	2.6	93.4	0	+∞	Si
131	30847	2	59843	2.2	124.5	89.1	1837	30242	2	57016	2.1	93.4	0	+∞	Si
151	9134	1	40406	1.3	124.5	52	1837	9134	1	39120	1.3	93.4	0	+∞	Si
151	-218	9	-41105	1.4	124.5	57.4	1837								Si
171	-27847	9	-73351	2.3	124.5	83.6	1837	-17986	2	-60731	1.9	93.4	0	+∞	Si
192	-58678	9	-108799	3.1	124.5	104.6	1837	-46903	2	-94265	2.7	93.4	0	+∞	Si
212	-92713	9	-147450	4.1	124.5	133.3	1837	-79024	2	-131002	3.6	93.4	0	+∞	Si
232	-129950	9	-189304	5.2	124.5	171.1	1837	-114347	2	-170942	4.7	93.4	0	+∞	Si
242	-149770	9	-211432	5.8	124.5	191.1	1837	-133210	2	-192113	5.3	93.4	0	+∞	Si
262	-191811	9	-220311	6.1	124.5	199.1	1837	-173337	2	-200619	5.5	93.4	0	+∞	Si
275	-220311	9	-220311	6.1	124.5	199.1	1837	-200619	2	-200619	5.5	93.4	0	+∞	Si
282	-237055	9	-234708	6.5	124.5	212.2	1837	-216667	2	-214412	5.9	93.4	0	+∞	Si
303	-285501	9	-251457	6.9	124.5	227.3	1837	-263199	2	-230460	6.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
40	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si
61	0.001	0	0	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
81	0.001	0	0	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
91	0.001	0	0	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
111	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
131	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
151	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
171	0	-0.001	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
192	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
212	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
232	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
242	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
262	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
275	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
282	0	-0.001	0	-0.001	0	-0.001	0	0	0	-0.001	-0.001	1	-0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-182	-12514	-13338	SLV 15	0.38	804	1.051	96337	602298	1422094	SLV 15	0.57	2474	1.666	Si
40	-322	-12514	-13338	SLV 15	0.38	783	1.04	96337	602298	1422094	SLV 15	0.57	2474	1.666	Si
61	-481	-12514	-13338	SLV 15	0.37	760	1.027	94429	513948	1422094	SLV 15	0.57	2474	1.666	Si
81	-640	-12514	-13338	SLV 15	0.37	737	1.014	87743	-315089	-1221360	SLV 1	0.57	2474	1.666	Si
91	-719	-12514	-13338	SLV 15	0.37	726	1.008	41380	-372380	-1164939	SLV 13	0.57	2474	1.666	Si
111	-878	-12514	-14524	SLV 15	0.4	879	1.09	20656	-570070	-970824	SLV 13	0.57	2474	1.666	Si
131	-1037	-12514	-14524	SLV 15	0.39	854	1.077	-3270	-769357	-970824	SLV 13	0.45	1271	1.268	Si
151	-1196	-12514	-14524	SLV 15	0.39	830	1.065	-30399	-969116	-1509321	SLV 15	0.54	2129	1.567	Si
171	-1355	-12514	-14524	SLV 15	0.38	806	1.052	-60731	1169078	1483667	SLV 1	0.47	1447	1.337	Si
192	-1513	-12514	-14524	SLV 15	0.38	782	1.039	-94265	1369145	1805518	SLV 1	0.5	1651	1.412	Si
212	-1672	-12514	-15005	SLV 15	0.39	830	1.065	-131002	1569273	1872544	SLV 1	0.46	1322	1.289	Si
232	-1831	-12514	-15005	SLV 15	0.38	806	1.052	-170942	1769441	1872544	SLV 1	0.42	1014	1.156	Si
242	-1910	-12514	-15005	SLV 15	0.38	795	1.046	-192113	1869535	1872544	SLV 1	0.4	906	1.104	Si
262	-2069	-12514	-15005	SLV 15	0.38	771	1.033	-200619	1908549	1872544	SLV 1	0.39	871	1.086	Si
275	-2170	-12514	-15005	SLV 15	0.37	757	1.025	-200619	1908549	1872544	SLV 1	0.39	871	1.086	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-182	-4395	-13338	SLD 15	0.4	915	2.789	96337	266435	1422094	SLD 15	0.6	2474	4.193	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
40	-322	-4395	-13338	SLD 15	0.4	891	2.759	96337	266435	1422094	SLD 15	0.6	2474	4.193	Si
61	-481	-4395	-13338	SLD 15	0.39	865	2.725	94429	227338	1422094	SLD 15	0.6	2474	4.193	Si
81	-640	-4395	-13338	SLD 15	0.39	839	2.691	87743	-139337	-1221360	SLD 1	0.6	2474	4.193	Si
91	-719	-4395	-13338	SLD 15	0.39	826	2.674	41380	-164759	-1164939	SLD 13	0.6	2474	4.193	Si
111	-878	-4395	-14524	SLD 15	0.42	1003	2.896	20656	-252272	-970824	SLD 13	0.52	1882	3.748	Si
131	-1037	-4395	-14524	SLD 15	0.41	972	2.859	-3270	-340468	-970824	SLD 13	0.38	806	2.647	Si
151	-1196	-4395	-14524	SLD 15	0.41	945	2.826	-30399	-428867	-1509321	SLD 15	0.46	1328	3.249	Si
171	-1355	-4395	-14524	SLD 15	0.4	917	2.791	-60731	517352	1483667	SLD 1	0.4	908	2.78	Si
192	-1513	-4395	-14524	SLD 15	0.4	890	2.757	-94265	605883	1805518	SLD 1	0.42	1030	2.927	Si
212	-1672	-4395	-15005	SLD 15	0.41	946	2.827	-131002	694440	1872544	SLD 1	0.39	836	2.687	Si
232	-1831	-4395	-15005	SLD 15	0.4	918	2.792	-170942	783014	1872544	SLD 1	0.35	655	2.432	Si
242	-1910	-4395	-15005	SLD 15	0.4	905	2.776	-192113	827306	1872544	SLD 1	0.34	587	2.325	Si
262	-2069	-4395	-15005	SLD 15	0.4	879	2.743	-200619	844570	1872544	SLD 1	0.33	565	2.289	Si
275	-2170	-4395	-15005	SLD 15	0.39	861	2.72	-200619	844570	1872544	SLD 1	0.33	565	2.289	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 10-3

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 10 - 3, sezione R 45x70, asta 1023

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-500834	SLU 22	-451042	-970067	0.076	Si
23	7.6	5.4	7.6	5.4						-403813	SLU 22	-403813	-970067	0.076	Si
46	7.6	5.4	7.6	5.4						-307956	SLU 22	-403813	-970067	0.076	Si
69	7.6	5.4	7.6	5.4						-220183	SLU 31	-332335	-970067	0.076	Si
92	7.6	5.4	7.6	5.4						-138426	SLU 32	-242890	-970067	0.076	Si
103	7.6	5.4	7.6	5.4						-99999	SLU 32	-200510	-970067	0.076	Si
126	7.6	5.4	7.6	5.4	-16452	SLU 1	66167	970067	0.076	-27811	SLU 36	-120282	-970067	0.076	Si
149	7.6	5.4	7.6	5.4	48937	SLU 19	128669	970067	0.076	26475	SLU 18	-46453	-970067	0.076	Si
172	7.6	5.4	7.6	5.4	112869	SLU 19	185756	970067	0.076						Si
195	7.6	5.4	7.6	5.4	171385	SLU 19	237428	970067	0.076						Si
218	7.6	5.4	7.6	5.4	224486	SLU 19	283683	970067	0.076						Si
241	7.6	5.4	7.6	5.4	272170	SLU 19	324523	970067	0.076						Si
264	7.6	5.4	7.6	5.4	314440	SLU 19	359948	970067	0.076						Si
276	7.6	5.4	7.6	5.4	333543	SLU 19	375629	970067	0.076						Si
299	7.6	5.4	7.6	5.4	367689	SLU 19	396956	970067	0.076						Si
322	7.6	5.4	7.6	5.4	396956	SLU 19	396956	970067	0.076						Si
345	7.6	5.4	7.6	5.4	419734	SLU 19	409627	970067	0.076						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	775649	SLV 7	729113	970067	0.076	-1535717	SLV 9	-1413678	-970067	0.076	No
23	7.6	5.4	7.6	5.4	680557	SLV 7	680557	970067	0.076	-1293562	SLV 9	-1293562	-970067	0.076	No
46	7.6	5.4	7.6	5.4	577048	SLV 7	680557	970067	0.076	-1044878	SLV 9	-1293562	-970067	0.076	No
69	7.6	5.4	7.6	5.4	471550	SLV 7	604075	970067	0.076	-805757	SLV 9	-1108818	-970067	0.076	No
92	7.6	5.4	7.6	5.4	361973	SLV 7	499664	970067	0.076	-570890	SLV 9	-868586	-970067	0.076	Si
103	7.6	5.4	7.6	5.4	305697	SLV 7	445918	970067	0.076	-455093	SLV 9	-750055	-970067	0.076	Si
126	7.6	5.4	7.6	5.4	190546	SLV 7	335401	970067	0.076	-227150	SLV 9	-516214	-970067	0.076	Si
149	7.6	5.4	7.6	5.4	83769	SLV 11	278727	970067	0.076	-15912	SLV 5	-286954	-970067	0.076	Si
172	7.6	5.4	7.6	5.4	221756	SLV 9	493149	970067	0.076	-57771	SLV 7	-219845	-970067	0.076	Si
195	7.6	5.4	7.6	5.4	436988	SLV 9	703934	970067	0.076	-185205	SLV 7	-353363	-970067	0.076	Si
218	7.6	5.4	7.6	5.4	648817	SLV 9	910685	970067	0.076	-317568	SLV 7	-491179	-970067	0.076	Si
241	7.6	5.4	7.6	5.4	856646	SLV 9	1113323	970067	0.076	-454264	SLV 7	-633214	-970067	0.076	No
264	7.6	5.4	7.6	5.4	1060374	SLV 9	1311823	970067	0.076	-595190	SLV 7	-779442	-970067	0.076	No
276	7.6	5.4	7.6	5.4	1160689	SLV 9	1409517	970067	0.076	-667229	SLV 7	-854125	-970067	0.076	No
299	7.6	5.4	7.6	5.4	1358210	SLV 9	1555714	970067	0.076	-814445	SLV 7	-969200	-970067	0.076	No
322	7.6	5.4	7.6	5.4	1555714	SLV 9	1555714	970067	0.076	-969200	SLV 7	-969200	-970067	0.076	No
345	7.6	5.4	7.6	5.4	1740790	SLV 9	1649252	970067	0.076	-1121412	SLV 7	-1044334	-970067	0.076	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	131309	SLD 7	131309	970067	0.076	-891377	SLD 9	-816333	-970067	0.076	Si
23	7.6	5.4	7.6	5.4	130236	SLD 7	130236	970067	0.076	-743240	SLD 9	-743240	-970067	0.076	Si
46	7.6	5.4	7.6	5.4	124912	SLD 7	130236	970067	0.076	-592741	SLD 9	-743240	-970067	0.076	Si
69	7.6	5.4	7.6	5.4	115486	SLD 7	126579	970067	0.076	-449693	SLD 9	-631322	-970067	0.076	Si
92	7.6	5.4	7.6	5.4	101932	SLD 7	118247	970067	0.076	-310849	SLD 9	-487169	-970067	0.076	Si
103	7.6	5.4	7.6	5.4	93624	SLD 7	112529	970067	0.076	-243021	SLD 9	-416665	-970067	0.076	Si
126	7.6	5.4	7.6	5.4	74111	SLD 7	98009	970067	0.076	-110715	SLD 9	-278822	-970067	0.076	Si
149	7.6	5.4	7.6	5.4	55917	SLD 11	175580	970067	0.076	11940	SLD 5	-145324	-970067	0.076	Si
172	7.6	5.4	7.6	5.4	143754	SLD 9	294325	970067	0.076	20232	SLD 7	-21021	-970067	0.076	Si
195	7.6	5.4	7.6	5.4	263476	SLD 9	409129	970067	0.076	-11693	SLD 7	-58558	-970067	0.076	Si
218	7.6	5.4	7.6	5.4	379355	SLD 9	519822	970067	0.076	-48107	SLD 7	-100316	-970067	0.076	Si
241	7.6	5.4	7.6	5.4	491139	SLD 9	626372	970067	0.076	-88757	SLD 7	-146263	-970067	0.076	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
264	7.6	5.4	7.6	5.4	598785	SLD 9	728768	970067	0.076	-133601	SLD 7	-196387	-970067	0.076	Si
276	7.6	5.4	7.6	5.4	651051	SLD 9	778406	970067	0.076	-157590	SLD 7	-223015	-970067	0.076	Si
299	7.6	5.4	7.6	5.4	752465	SLD 9	851766	970067	0.076	-208700	SLD 7	-265252	-970067	0.076	Si
322	7.6	5.4	7.6	5.4	851766	SLD 9	851766	970067	0.076	-265252	SLD 7	-265252	-970067	0.076	Si
345	7.6	5.4	7.6	5.4	942811	SLD 9	898280	970067	0.076	-323433	SLD 7	-293362	-970067	0.076	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4428	SLU 22	4428	9541	76908	0	9541	1	Si
23	0.115	7.6	0	4198	SLU 22	4198	9541	76908	13338	13338	1	Si
46	0.115	7.6	0	3958	SLU 22	3958	9541	76908	13338	13338	1	Si
69	0.115	7.6	0	3722	SLU 22	3722	9541	76908	13338	13338	1	Si
92	0.115	7.6	0	3487	SLU 22	3487	9541	76908	13338	13338	1	Si
103	0.107	7.6	0	3369	SLU 22	3369	9541	76908	12401	12401	1	Si
126	0.107	7.6	0	3133	SLU 22	3133	9541	76908	12401	12401	1	Si
149	0.107	7.6	0	2898	SLU 22	2898	9541	76908	12401	12401	1	Si
172	0.107	7.6	0	2662	SLU 22	2662	9541	76908	12401	12401	1	Si
195	0.107	7.6	0	2427	SLU 22	2427	9541	76908	12401	12401	1	Si
218	0.107	7.6	0	2192	SLU 22	2192	9541	76908	12401	12401	1	Si
241	0.107	7.6	0	1956	SLU 22	1956	9541	76908	12401	12401	1	Si
264	0.101	7.6	0	1721	SLU 22	1721	9541	76908	11671	11671	1	Si
276	0.101	7.6	0	1603	SLU 22	1603	9541	76908	11671	11671	1	Si
299	0.101	7.6	0	1367	SLU 22	1367	9541	76908	11671	11671	1	Si
322	0.101	7.6	0	1127	SLU 22	1127	9541	76908	11671	11671	1	Si
345	0	7.6	0	897	SLU 22	897	9541	76908	0	9541	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	10854	SLV 9	12803	9541	76908	0	9541	1	Si
0	0	7.6	0	-4139	SLV 7	-6088	-9541	-76908	0	-9541	1	Si
23	0.115	7.6	0	10677	SLV 9	12626	9541	76908	13338	13338	1	Si
23	0.115	7.6	0	-4316	SLV 7	-6265	-9541	-76908	-13338	-13338	1	Si
46	0.115	7.6	0	10492	SLV 9	12441	9541	76908	13338	13338	1	Si
46	0.115	7.6	0	-4501	SLV 7	-6450	-9541	-76908	-13338	-13338	1	Si
69	0.115	7.6	0	10311	SLV 9	12260	9541	76908	13338	13338	1	Si
69	0.115	7.6	0	-4682	SLV 7	-6631	-9541	-76908	-13338	-13338	1	Si
92	0.115	7.6	0	10130	SLV 9	12079	9541	76908	13338	13338	1	Si
92	0.115	7.6	0	-4863	SLV 7	-6812	-9541	-76908	-13338	-13338	1	Si
103	0.107	7.6	0	10039	SLV 9	11988	9541	76908	12401	12401	1	Si
103	0.107	7.6	0	-4954	SLV 7	-6903	-9541	-76908	-12401	-12401	1	Si
126	0.107	7.6	0	9858	SLV 9	11807	9541	76908	12401	12401	1	Si
126	0.107	7.6	0	-5135	SLV 7	-7084	-9541	-76908	-12401	-12401	1	Si
149	0.107	7.6	0	9677	SLV 9	11626	9541	76908	12401	12401	1	Si
149	0.107	7.6	0	-5316	SLV 7	-7265	-9541	-76908	-12401	-12401	1	Si
172	0.107	7.6	0	9496	SLV 9	11445	9541	76908	12401	12401	1	Si
172	0.107	7.6	0	-5497	SLV 7	-7446	-9541	-76908	-12401	-12401	1	Si
195	0.107	7.6	0	9315	SLV 9	11264	9541	76908	12401	12401	1	Si
195	0.107	7.6	0	-5678	SLV 7	-7628	-9541	-76908	-12401	-12401	1	Si
218	0.107	7.6	0	9133	SLV 9	11083	9541	76908	12401	12401	1	Si
218	0.107	7.6	0	-5860	SLV 7	-7809	-9541	-76908	-12401	-12401	1	Si
241	0.107	7.6	0	8952	SLV 9	10901	9541	76908	12401	12401	1	Si
241	0.107	7.6	0	-6041	SLV 7	-7990	-9541	-76908	-12401	-12401	1	Si
264	0.101	7.6	0	8771	SLV 9	10720	9541	76908	11671	11671	1	Si
264	0.101	7.6	0	-6222	SLV 7	-8171	-9541	-76908	-11671	-11671	1	Si
276	0.101	7.6	0	8681	SLV 9	10630	9541	76908	11671	11671	1	Si
276	0.101	7.6	0	-6312	SLV 7	-8261	-9541	-76908	-11671	-11671	1	Si
299	0.101	7.6	0	8500	SLV 9	10449	9541	76908	11671	11671	1	Si
299	0.101	7.6	0	-6494	SLV 7	-8443	-9541	-76908	-11671	-11671	1	Si
322	0.101	7.6	0	8314	SLV 9	10264	9541	76908	11671	11671	1	Si
322	0.101	7.6	0	-6679	SLV 7	-8628	-9541	-76908	-11671	-11671	1	Si
345	0	7.6	0	8137	SLV 9	10086	9541	76908	0	9541	1	Si
345	0	7.6	0	-6856	SLV 7	-8805	-9541	-76908	0	-9541	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	6674	SLD 9	6674	9541	76908	0	9541	1	Si
23	0.115	7.6	0	6497	SLD 9	6497	9541	76908	13338	13338	1	Si
23	0.115	7.6	0	-136	SLD 7	-136	-9541	-76908	-13338	-13338	1	Si
46	0.115	7.6	0	6312	SLD 9	6312	9541	76908	13338	13338	1	Si
46	0.115	7.6	0	-321	SLD 7	-321	-9541	-76908	-13338	-13338	1	Si
69	0.115	7.6	0	6131	SLD 9	6131	9541	76908	13338	13338	1	Si
69	0.115	7.6	0	-502	SLD 7	-502	-9541	-76908	-13338	-13338	1	Si
92	0.115	7.6	0	5950	SLD 9	5950	9541	76908	13338	13338	1	Si
92	0.115	7.6	0	-684	SLD 7	-684	-9541	-76908	-13338	-13338	1	Si
103	0.107	7.6	0	5859	SLD 9	5859	9541	76908	12401	12401	1	Si
103	0.107	7.6	0	-774	SLD 7	-774	-9541	-76908	-12401	-12401	1	Si
126	0.107	7.6	0	5678	SLD 9	5678	9541	76908	12401	12401	1	Si
126	0.107	7.6	0	-955	SLD 7	-955	-9541	-76908	-12401	-12401	1	Si
149	0.107	7.6	0	5497	SLD 9	5497	9541	76908	12401	12401	1	Si
149	0.107	7.6	0	-1136	SLD 7	-1136	-9541	-76908	-12401	-12401	1	Si
172	0.107	7.6	0	5316	SLD 9	5316	9541	76908	12401	12401	1	Si
172	0.107	7.6	0	-1317	SLD 7	-1317	-9541	-76908	-12401	-12401	1	Si
195	0.107	7.6	0	5135	SLD 9	5135	9541	76908	12401	12401	1	Si
195	0.107	7.6	0	-1499	SLD 7	-1499	-9541	-76908	-12401	-12401	1	Si
218	0.107	7.6	0	4954	SLD 9	4954	9541	76908	12401	12401	1	Si
218	0.107	7.6	0	-1680	SLD 7	-1680	-9541	-76908	-12401	-12401	1	Si
241	0.107	7.6	0	4773	SLD 9	4773	9541	76908	12401	12401	1	Si
241	0.107	7.6	0	-1861	SLD 7	-1861	-9541	-76908	-12401	-12401	1	Si
264	0.101	7.6	0	4591	SLD 9	4591	9541	76908	11671	11671	1	Si
264	0.101	7.6	0	-2042	SLD 7	-2042	-9541	-76908	-11671	-11671	1	Si
276	0.101	7.6	0	4501	SLD 9	4501	9541	76908	11671	11671	1	Si
276	0.101	7.6	0	-2133	SLD 7	-2133	-9541	-76908	-11671	-11671	1	Si
299	0.101	7.6	0	4320	SLD 9	4320	9541	76908	11671	11671	1	Si
299	0.101	7.6	0	-2314	SLD 7	-2314	-9541	-76908	-11671	-11671	1	Si
322	0.101	7.6	0	4135	SLD 9	4135	9541	76908	11671	11671	1	Si
322	0.101	7.6	0	-2499	SLD 7	-2499	-9541	-76908	-11671	-11671	1	Si
345	0	7.6	0	3957	SLD 9	3957	9541	76908	0	9541	1	Si
345	0	7.6	0	-2676	SLD 7	-2676	-9541	-76908	0	-9541	1	Si

Verifiche delle tensioni in esercizio

x	Rara	Quasi permanente	Verifica

	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-383809	4	-345756	8.1	124.5	122.1	1837	-382337	1	-344289	14.6	93.4	0	+∞	Si
23	-309674	4	-309674	7.3	124.5	109.4	1837	-308211	1	-308211	13	93.4	0	+∞	Si
46	-236457	4	-309674	7.3	124.5	109.4	1837	-235003	1	-308211	13	93.4	0	+∞	Si
69	-169030	4	-255077	6	124.5	90.1	1837	-167585	1	-253620	10.7	93.4	0	+∞	Si
92	-105916	5	-186550	4.4	124.5	65.9	1837	-104459	2	-185103	7.8	93.4	0	+∞	Si
103	-76202	5	-153849	3.6	124.5	54.4	1837	-74698	2	-152406	6.4	93.4	0	+∞	Si
126	-20300	9	-91886	2.2	124.5	32.5	1837	-18302	2	-90407	3.8	93.4	0	+∞	Si
149	35572	1	96265	2.3	124.5	34	1837	35572	1	96265	4.1	93.4	0	+∞	Si
172	84244	1	139671	3.3	124.5	49.3	1837	84244	1	139671	5.9	93.4	0	+∞	Si
195	128750	1	178912	4.2	124.5	63.2	1837	128750	1	178912	7.6	93.4	0	+∞	Si
218	169090	1	213986	5	124.5	75.6	1837	169090	1	213986	9	93.4	0	+∞	Si
241	205264	1	244895	5.8	124.5	86.5	1837	205264	1	244895	10.4	93.4	0	+∞	Si
264	237272	1	271638	6.4	124.5	96	1837	237272	1	271638	11.5	93.4	0	+∞	Si
276	251714	1	283447	6.7	124.5	100.1	1837	251714	1	283447	12	93.4	0	+∞	Si
299	277474	1	299469	7.1	124.5	105.8	1837	277474	1	299469	12.7	93.4	0	+∞	Si
322	299469	1	299469	7.1	124.5	105.8	1837	299469	1	299469	12.7	93.4	0	+∞	Si
345	316495	1	308968	7.3	124.5	109.2	1837	316495	1	308968	13.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
23	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
46	0	-0.001	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
69	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
92	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
103	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
126	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
149	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si
172	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
195	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.008	1	0.007	1	9999	Si
218	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	1	0.008	1	9999	Si
241	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	1	0.009	1	9999	Si
264	0.004	0.003	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	1	0.008	1	9999	Si
276	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.008	1	0.008	1	9999	Si
299	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
322	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.004	1	0.004	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3180	9446	13338	SLV 9	0.39	849	1.075	-306502	-987059	-970067	SLV 9	0.25	288	0.69	No
46	2995	9446	13338	SLV 9	0.4	888	1.095	-306502	-987059	-970067	SLV 9	0.25	288	0.69	No
69	2814	9446	13338	SLV 9	0.4	926	1.114	-252371	-856446	-970067	SLV 9	0.31	465	0.84	No
92	2633	9446	13338	SLV 9	0.41	966	1.133	-184461	-684125	-970067	SLV 9	0.42	999	1.149	Si
103	2543	9446	12401	SLV 9	0.38	790	1.044	-152068	-597987	-970067	SLV 9	0.49	1589	1.39	Si
126	2361	9446	12401	SLV 9	0.39	825	1.062	-90407	-425807	-970067	SLV 9	0.57	2474	1.666	Si
149	2180	9446	12401	SLV 9	0.39	862	1.082	-32911	-254043	-970067	SLV 9	0.57	2474	1.666	Si
172	1999	9446	12401	SLV 9	0.4	900	1.101	136652	356497	970067	SLV 9	0.57	2474	1.666	Si
195	1818	9446	12401	SLV 9	0.41	939	1.12	175286	528649	970067	SLV 9	0.54	2046	1.542	Si
218	1637	9446	12401	SLV 9	0.41	979	1.139	209753	700932	970067	SLV 9	0.39	868	1.085	Si
241	1456	9446	12401	SLV 9	0.42	1023	1.16	240055	873269	970067	SLV 9	0.31	463	0.838	No
264	1275	9446	11671	SLV 9	0.4	899	1.1	266190	1045632	970067	SLV 9	0.25	289	0.691	No
276	1184	9446	11671	SLV 9	0.4	918	1.11	277696	1131821	970067	SLV 9	0.23	234	0.634	No
299	1003	9446	11671	SLV 9	0.41	957	1.129	293257	1262457	970067	SLV 9	0.2	177	0.565	No
322	818	9446	11671	SLV 9	0.42	1000	1.149	293257	1262457	970067	SLV 9	0.2	177	0.565	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3180	3317	13338	SLD 9	0.41	967	2.853	-306502	-436738	-970067	SLD 9	0.21	195	1.48	Si
46	2995	3317	13338	SLD 9	0.42	1015	2.91	-306502	-436738	-970067	SLD 9	0.21	195	1.48	Si
69	2814	3317	13338	SLD 9	0.43	1064	2.967	-252371	-378950	-970067	SLD 9	0.26	316	1.803	Si
92	2633	3317	13338	SLD 9	0.43	1114	3.023	-184461	-302708	-970067	SLD 9	0.35	647	2.419	Si
103	2543	3317	12401	SLD 9	0.4	899	2.769	-152068	-264597	-970067	SLD 9	0.41	992	2.883	Si
126	2361	3317	12401	SLD 9	0.41	940	2.82	-90407	-188416	-970067	SLD 9	0.6	2474	4.193	Si
149	2180	3317	12401	SLD 9	0.41	983	2.872	-32911	-112413	-970067	SLD 9	0.6	2474	4.193	Si
172	1999	3317	12401	SLD 9	0.42	1031	2.929	136652	157673	970067	SLD 9	0.6	2474	4.193	Si
195	1818	3317	12401	SLD 9	0.43	1079	2.984	175286	233843	970067	SLD 9	0.45	1278	3.198	Si
218	1637	3317	12401	SLD 9	0.43	1130	3.041	209753	310069	970067	SLD 9	0.33	564	2.287	Si
241	1456	3317	12401	SLD 9	0.44	1182	3.097	240055	386318	970067	SLD 9	0.26	315	1.801	Si
264	1275	3317	11671	SLD 9	0.42	1029	2.926	266190	462578	970067	SLD 9	0.21	195	1.48	Si
276	1184	3317	11671	SLD 9	0.42	1054	2.955	277696	500710	970067	SLD 9	0.19	161	1.368	Si
299	1003	3317	11671	SLD 9	0.43	1104	3.012	293257	558509	970067	SLD 9	0.17	122	1.221	Si
322	818	3317	11671	SLD 9	0.44	1155	3.068	293257	558509	970067	SLD 9	0.17	122	1.221	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 15A-25

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35

Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 15A - 15, sezione R 45x70, asta 1001

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	19.01	5.4						-381761	SLU 36	-325180	-2772814	0.097	Si
23	22.81	5.4	19.01	5.4						-270884	SLU 36	-270884	-2772814	0.097	Si
31	22.81	5.4	19.01	5.4						-229134	SLU 36	-270884	-2772814	0.097	Si
62	22.81	5.4	19.01	5.4	-40021	SLU 1	57775	2322640	0.091	-86451	SLU 36	-219368	-2772814	0.097	Si
94	22.81	5.4	19.01	5.4	65222	SLU 20	172974	2322640	0.091	29064	SLU 17	-77354	-2772814	0.097	Si
125	20.56	5.4	16.47	5.4	180567	SLU 20	285615	2021729	0.089						Si
140	17.63	5.4	11.4	5.4	237803	SLU 29	338709	1422107	0.084						Si
171	7.6	5.4	11.4	5.4	345808	SLU 29	438167	1422093	0.084						Si
203	7.6	5.4	11.4	5.4	444660	SLU 30	527890	1422093	0.084						Si
234	7.6	5.4	11.4	5.4	533714	SLU 30	607669	1422093	0.084						Si
265	7.6	5.4	11.4	5.4	612824	SLU 30	677503	1422093	0.084						Si
296	7.6	5.4	11.4	5.4	681989	SLU 30	737393	1422093	0.084						Si
327	7.6	5.4	11.4	5.4	741210	SLU 30	787339	1422093	0.084						Si
358	7.6	5.4	14.98	5.4	790487	SLU 30	827341	1847220	0.092						Si
374	10.61	5.4	15.21	5.4	811396	SLU 30	843612	1873106	0.09						Si
405	13.55	5.4	18.79	5.4	845756	SLU 30	868697	2297090	0.095						Si
436	15.21	5.4	19.01	5.4	870172	SLU 30	874888	2323187	0.094						Si
445	15.21	5.4	19.01	5.4	874888	SLU 30	874888	2323187	0.094						Si
468	15.21	5.4	19.01	5.4	884644	SLU 30	880908	2323187	0.094						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	19.01	5.4	1921127	SLV 13	1867794	2322640	0.091	-2448952	SLV 3	-2313302	-2772814	0.097	Si
23	22.81	5.4	19.01	5.4	1812606	SLV 13	1812606	2322640	0.091	-2179311	SLV 3	-2179311	-2772814	0.097	Si
31	22.81	5.4	19.01	5.4	1770072	SLV 13	1812606	2322640	0.091	-2076189	SLV 3	-2179311	-2772814	0.097	Si
62	22.81	5.4	19.01	5.4	1611409	SLV 13	1759526	2322640	0.091	-1711117	SLV 3	-2051500	-2772814	0.097	Si
94	22.81	5.4	19.01	5.4	1445162	SLV 13	1600353	2322640	0.091	-1353759	SLV 3	-1686947	-2772814	0.097	Si
125	20.56	5.4	16.47	5.4	1271371	SLV 13	1433597	2021729	0.089	-1004157	SLV 3	-1330109	-2507438	0.096	Si
140	17.63	5.4	11.4	5.4	1181671	SLV 13	1347388	1422107	0.084	-832288	SLV 3	-1154597	-2160044	0.094	Si
171	7.6	5.4	11.4	5.4	996769	SLV 13	1169354	1422093	0.084	-494522	SLV 3	-809430	-970824	0.078	Si
203	7.6	5.4	11.4	5.4	804914	SLV 13	983972	1422093	0.084	-165103	SLV 3	-472214	-970824	0.078	Si
234	7.6	5.4	11.4	5.4	608294	SLV 13	791716	1422093	0.084	153782	SLV 3	-143423	-970824	0.078	Si
265	7.6	5.4	11.4	5.4	515356	SLV 3	776094	1422093	0.084						Si
296	7.6	5.4	11.4	5.4	795760	SLV 3	1071162	1422093	0.084	164949	SLV 13	-38965	-970824	0.078	Si
327	7.6	5.4	11.4	5.4	1090998	SLV 3	1362396	1422093	0.084	-53919	SLV 13	-268099	-970824	0.078	Si
358	7.6	5.4	14.98	5.4	1381858	SLV 3	1646962	1847220	0.092	-283710	SLV 13	-505865	-971231	0.079	Si
374	10.61	5.4	15.21	5.4	1524800	SLV 3	1786531	1873106	0.09	-401854	SLV 13	-627772	-1328328	0.083	Si
405	13.55	5.4	18.79	5.4	1805277	SLV 3	2060097	2297090	0.095	-644210	SLV 13	-877486	-1676568	0.086	Si
436	15.21	5.4	19.01	5.4	2078341	SLV 3	2152706	2323187	0.094	-894452	SLV 13	-965661	-1872544	0.088	Si
445	15.21	5.4	19.01	5.4	2152706	SLV 3	2152706	2323187	0.094	-965661	SLV 13	-965661	-1872544	0.088	Si
468	15.21	5.4	19.01	5.4	2343879	SLV 3	2249266	2323187	0.094	-1152467	SLV 13	-1058280	-1872544	0.088	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	19.01	5.4	703033	SLD 13	702374	2322640	0.091	-1230858	SLD 3	-1147882	-2772814	0.097	Si
23	22.81	5.4	19.01	5.4	699916	SLD 13	699916	2322640	0.091	-1066622	SLD 3	-1066622	-2772814	0.097	Si
31	22.81	5.4	19.01	5.4	697981	SLD 13	699916	2322640	0.091	-1004098	SLD 3	-1066622	-2772814	0.097	Si
62	22.81	5.4	19.01	5.4	685298	SLD 13	697256	2322640	0.091	-785006	SLD 3	-989230	-2772814	0.097	Si
94	22.81	5.4	19.01	5.4	664993	SLD 13	684060	2322640	0.091	-573590	SLD 3	-770654	-2772814	0.097	Si
125	20.56	5.4	16.47	5.4	637085	SLD 13	663243	2021729	0.089	-369870	SLD 3	-559756	-2507438	0.096	Si
140	17.63	5.4	11.4	5.4	620289	SLD 13	649982	1422107	0.084	-270906	SLD 3	-457192	-2160044	0.094	Si
171	7.6	5.4	11.4	5.4	581063	SLD 13	617776	1422093	0.084	-78817	SLD 3	-257853	-970824	0.078	Si
203	7.6	5.4	11.4	5.4	534487	SLD 13	578050	1422093	0.084	105323	SLD 3	-66293	-970824	0.078	Si
234	7.6	5.4	11.4	5.4	481500	SLD 13	531009	1422093	0.084						Si
265	7.6	5.4	11.4	5.4	470000	SLD 3	609512	1422093	0.084						Si
296	7.6	5.4	11.4	5.4	619869	SLD 3	761700	1422093	0.084						Si
327	7.6	5.4	11.4	5.4	771840	SLD 3	907903	1422093	0.084						Si
358	7.6	5.4	14.98	5.4	917590	SLD 3	1046886	1847220	0.092						Si
374	10.61	5.4	15.21	5.4	987763	SLD 3	1113576	1873106	0.09						Si
405	13.55	5.4	18.79	5.4	1122515	SLD 3	1241290	2297090	0.095	38552	SLD 13	-58680	-1676568	0.086	Si
436	15.21	5.4	19.01	5.4	1249720	SLD 3	1283510	2323187	0.094	-65832	SLD 13	-96466	-1872544	0.088	Si
445	15.21	5.4	19.01	5.4	1283510	SLD 3	1283510	2323187	0.094	-96466	SLD 13	-96466	-1872544	0.088	Si
468	15.21	5.4	19.01	5.4	1369331	SLD 3	1327340	2323187	0.094	-177918	SLD 13	-136354	-1872544	0.088	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	5091	SLU 30	5091	13761	76908	0	13761	1	Si
23	0.129	22.81	0	4860	SLU 30	4860	13761	76908	15005	15005	1	Si
31	0.129	22.81	0	4772	SLU 30	4772	13761	76908	15005	15005	1	Si
62	0.129	20.56	0	4453	SLU 30	4453	13294	76908	15005	15005	1	Si
94	0.117	11.4	0	4134	SLU 30	4134	10922	76908	13633	13633	1	Si
125	0.117	11.4	0	3815	SLU 30	3815	10922	76908	13633	13633	1	Si
140	0.117	11.4	0	3655	SLU 30	3655	10922	76908	13633	13633	1	Si
171	0.117	11.4	0	3336	SLU 30	3336	10922	76908	13633	13633	1	Si
203	0.117	11.4	0	3017	SLU 30	3017	10922	76908	13633	13633	1	Si
234	0.117	11.4	0	2698	SLU 30	2698	10922	76908	13633	13633	1	Si
265	0.117	11.4	0	2379	SLU 30	2379	10922	76908	13633	13633	1	Si
296	0.117	11.4	0	2060	SLU 30	2060	10922	76908	13633	13633	1	Si
327	0.117	11.4	0	1741	SLU 30	1741	10922	76908	13633	13633	1	Si
358	0.117	11.4	0	1422	SLU 30	1422	10922	76908	13633	13633	1	Si
374	0.117	11.4	0	1262	SLU 30	1262	10922	76908	13633	13633	1	Si
405	0.101	13.93	0	952	SLU 12	952	11676	76908	11671	11676	1	Si
436	0.101	15.21	0	707	SLU 12	707	12021	76908	11671	12021	1	Si
436	0.101	15.21	0	-82	SLU 19	-82	-12021	-76908	-11671	-12021	1	Si
445	0.101	15.21	0	639	SLU 12	639	12021	76908	11671	12021	1	Si
445	0.101	15.21	0	-171	SLU 19	-171	-12021	-76908	-11671	-12021	1	Si
468	0	18.79	0	462	SLU 12	462	12899	76908	0	12899	1	Si
468	0	18.79	0	-401	SLU 19	-401	-12899	-76908	0	-12899	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	12087	SLV 3	14274	13761	76908	0	13761	1	Si
0	0	19.01	0	-4728	SLV 13	-6914	-12949	-76908	0	-12949	1	Si
23	0.129	22.81	0	11910	SLV 3	14096	13761	76908	15005	15005	1	Si
23	0.129	19.01	0	-4906	SLV 13	-7092	-12949	-76908	-15005	-15005	1	Si
31	0.129	22.81	0	11842	SLV 3	14028	13761	76908	15005	15005	1	Si
31	0.129	19.01	0	-4974	SLV 13	-7160	-12949	-76908	-15005	-15005	1	Si
62	0.129	20.56	0	11597	SLV 3	13783	13294	76908	15005	15005	1	Si
62	0.129	16.47	0	-5219	SLV 13	-7405	-12344	-76908	-15005	-15005	1	Si
94	0.117	14.69	0	11351	SLV 3	13537	11883	76908	13633	13633	1	Si
94	0.117	11.4	0	-5465	SLV 13	-7651	-10922	-76908	-13633	-13633	1	Si
125	0.117	7.6	0	11106	SLV 3	13292	9541	76908	13633	13633	1	Si
125	0.117	11.4	0	-5710	SLV 13	-7896	-10922	-76908	-13633	-13633	1	Si
140	0.117	7.6	0	10983	SLV 3	13169	9541	76908	13633	13633	1	Si
140	0.117	11.4	0	-5833	SLV 13	-8019	-10922	-76908	-13633	-13633	1	Si
171	0.117	7.6	0	10738	SLV 3	12924	9541	76908	13633	13633	1	Si
171	0.117	11.4	0	-6078	SLV 13	-8264	-10922	-76908	-13633	-13633	1	Si
203	0.117	7.6	0	10492	SLV 3	12678	9541	76908	13633	13633	1	Si
203	0.117	11.4	0	-6324	SLV 13	-8510	-10922	-76908	-13633	-13633	1	Si
234	0.117	11.4	0	10247	SLV 3	12433	10922	76908	13633	13633	1	Si
234	0.117	11.4	0	-6569	SLV 13	-8755	-10922	-76908	-13633	-13633	1	Si
265	0.117	11.4	0	10001	SLV 3	12187	10922	76908	13633	13633	1	Si
265	0.117	11.4	0	-6815	SLV 13	-9001	-10922	-76908	-13633	-13633	1	Si
296	0.117	11.4	0	9756	SLV 3	11942	10922	76908	13633	13633	1	Si
296	0.117	11.4	0	-7060	SLV 13	-9246	-10922	-76908	-13633	-13633	1	Si
327	0.117	11.4	0	9510	SLV 3	11696	10922	76908	13633	13633	1	Si
327	0.117	7.6	0	-7305	SLV 13	-9492	-9541	-76908	-13633	-13633	1	Si
358	0.117	11.4	0	9265	SLV 3	11451	10922	76908	13633	13633	1	Si
358	0.117	7.6	0	-7551	SLV 13	-9737	-9541	-76908	-13633	-13633	1	Si
374	0.117	11.4	0	9142	SLV 3	11328	10922	76908	13633	13633	1	Si
374	0.117	7.6	0	-7674	SLV 13	-9860	-9541	-76908	-13633	-13633	1	Si
405	0.101	13.93	0	8897	SLV 3	11083	11676	76908	11671	11676	1	Si
405	0.101	7.6	0	-7919	SLV 13	-10105	-9541	-76908	-11671	-11671	1	Si
436	0.101	15.21	0	8651	SLV 3	10837	12021	76908	11671	12021	1	Si
436	0.101	10.61	0	-8165	SLV 13	-10351	-10663	-76908	-11671	-11671	1	Si
445	0.101	15.21	0	8583	SLV 3	10769	12021	76908	11671	12021	1	Si
445	0.101	10.61	0	-8233	SLV 13	-10419	-10663	-76908	-11671	-11671	1	Si
468	0	18.79	0	8406	SLV 3	10592	12899	76908	0	12899	1	Si
468	0	13.55	0	-8410	SLV 13	-10596	-11568	-76908	0	-11568	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	7400	SLD 3	7400	13761	76908	0	13761	1	Si
0	0	19.01	0	-41	SLD 13	-41	-12949	-76908	0	-12949	1	Si
23	0.129	22.81	0	7223	SLD 3	7223	13761	76908	15005	15005	1	Si
23	0.129	19.01	0	-218	SLD 13	-218	-12949	-76908	-15005	-15005	1	Si
31	0.129	22.81	0	7155	SLD 3	7155	13761	76908	15005	15005	1	Si
31	0.129	19.01	0	-287	SLD 13	-287	-12949	-76908	-15005	-15005	1	Si
62	0.129	20.56	0	6909	SLD 3	6909	13294	76908	15005	15005	1	Si
62	0.129	16.47	0	-532	SLD 13	-532	-12344	-76908	-15005	-15005	1	Si
94	0.117	14.69	0	6664	SLD 3	6664	11883	76908	13633	13633	1	Si
94	0.117	11.4	0	-778	SLD 13	-778	-10922	-76908	-13633	-13633	1	Si
125	0.117	7.6	0	6419	SLD 3	6419	9541	76908	13633	13633	1	Si
125	0.117	11.4	0	-1023	SLD 13	-1023	-10922	-76908	-13633	-13633	1	Si
140	0.117	7.6	0	6296	SLD 3	6296	9541	76908	13633	13633	1	Si
140	0.117	11.4	0	-1146	SLD 13	-1146	-10922	-76908	-13633	-13633	1	Si
171	0.117	7.6	0	6050	SLD 3	6050	9541	76908	13633	13633	1	Si
171	0.117	11.4	0	-1391	SLD 13	-1391	-10922	-76908	-13633	-13633	1	Si
203	0.117	11.4	0	5805	SLD 3	5805	10922	76908	13633	13633	1	Si
203	0.117	11.4	0	-1637	SLD 13	-1637	-10922	-76908	-13633	-13633	1	Si
234	0.117	11.4	0	5560	SLD 3	5560	10922	76908	13633	13633	1	Si
234	0.117	11.4	0	-1882	SLD 13	-1882	-10922	-76908	-13633	-13633	1	Si
265	0.117	11.4	0	5314	SLD 3	5314	10922	76908	13633	13633	1	Si
265	0.117	11.4	0	-2128	SLD 13	-2128	-10922	-76908	-13633	-13633	1	Si
296	0.117	11.4	0	5069	SLD 3	5069	10922	76908	13633	13633	1	Si
296	0.117	11.4	0	-2373	SLD 13	-2373	-10922	-76908	-13633	-13633	1	Si
327	0.117	11.4	0	4823	SLD 3	4823	10922	76908	13633	13633	1	Si
327	0.117	11.4	0	-2618	SLD 13	-2618	-10922	-76908	-13633	-13633	1	Si
358	0.117	11.4	0	4578	SLD 3	4578	10922	76908	13633	13633	1	Si
358	0.117	11.4	0	-2864	SLD 13	-2864	-10922	-76908	-13633	-13633	1	Si
374	0.117	11.4	0	4455	SLD 3	4455	10922	76908	13633	13633	1	Si
374	0.117	11.4	0	-2987	SLD 13	-2987	-10922	-76908	-13633	-13633	1	Si
405	0.101	13.93	0	4210	SLD 3	4210	11676	76908	11671	11676	1	Si
405	0.101	13.93	0	-3232	SLD 13	-3232	-11676	-76908	-11671	-11676	1	Si
436	0.101	15.21	0	3964	SLD 3	3964	12021	76908	11671	12021	1	Si
436	0.101	10.61	0	-3477	SLD 13	-3477	-10663	-76908	-11671	-11671	1	Si
445	0.101	15.21	0	3896	SLD 3	3896	12021	76908	11671	12021	1	Si
445	0.101	10.61	0	-3546	SLD 13	-3546	-10663	-76908	-11671	-11671	1	Si
468	0	18.79	0	3719	SLD 3	3719	12899	76908	0	12899	1	Si
468	0	13.55	0	-3723	SLD 13	-3723	-11568	-76908	0	-11568	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-281674	9	-239247	5.9	124.5	180.8	1837	-263913	2	-222754	5.5	93.4	0	+∞	Si
23	-198577	9	-198577	4.9	124.5	150.1	1837	-183353	2	-183353	4.6	93.4	0	+∞	Si
31	-167305	9	-198577	4.9	124.5	150.1	1837	-153059	2	-183353	4.6	93.4	0	+∞	Si
62	-60586	9	-159997	4	124.5	120.9	1837	-49854	2	-145987	3.6	93.4	0	+∞	Si
94	45726	2	131204	3.3	124.5	117.9	1837	45701	2	127822	3.2	93.4	0	+∞	Si
125	137231	2	215575	5.8	124.5	222.8	1837	133607	2	208593	5.7	93.4	0	+∞	Si
140	180115	2	254891	8.1	124.5	377	1837	174691	2	246110	7.8	93.4	0	+∞	Si
171	260146	2	328273	11.9	124.5	488.8	1837	251123	2	315407	11.5	93.4	0	+∞	Si
203	333056	3	394145	14.3	124.5	586.8	1837	319905	2	377054	13.7	93.4	0	+∞	Si
234	398413	3	452368	16.4	124.5	673.5	1837	381038	2	431052	15.6	93.4	0	+∞	Si
265	456121	3	502941	18.3	124.5	748.8	1837	434521	2	477400	17.3	93.4	0	+∞	Si
296	506180	3	545864	19.8	124.5	812.7	1837	480355	2	516099	18.7	93.4	0	+∞	Si
327	548589	3	581138	21.1	124.5	865.3	1837	518539	2	547148	19.9	93.4	0	+∞	Si
358	583348	3	608763	20.1	124.5	697.1	1837	549074	2	570548	18.8	93.4	0	+∞	Si
374	597859	3	619707	19.5	124.5	697.4	1837	561473	2	579380	18.2	93.4	0	+∞	Si
405	621145	3	635857	18	124.5	582.2	1837	580533	2	591305	16.7	93.4	0	+∞	Si
436	636781	3	639533	17.6	124.5	578.1	1837	591944	2	593522	16.4	93.4	0	+∞	Si
445	639533	3	639533	17.6	124.5	578.1	1837	593522	2	593522	16.4	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
468	644767	3	643029	17.7	124.5	581.2	1837	595706	2	595493	16.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
31	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.008	2	9999	Si
62	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.017	2	0.016	2	9999	Si
94	0.012	0.011	0.011	0.01	0.012	0.011	0.011	0.01	0.012	0.011	0.026	2	0.025	2	9999	Si
125	0.017	0.015	0.015	0.013	0.016	0.015	0.014	0.013	0.016	0.015	0.035	2	0.033	2	9999	Si
140	0.019	0.017	0.016	0.015	0.018	0.017	0.016	0.015	0.018	0.017	0.04	2	0.037	2	9999	Si
171	0.022	0.02	0.02	0.017	0.021	0.02	0.019	0.017	0.021	0.02	0.047	2	0.044	2	9856	Si
203	0.025	0.022	0.022	0.02	0.024	0.022	0.021	0.02	0.024	0.022	0.054	2	0.05	2	8709	Si
234	0.027	0.024	0.024	0.021	0.026	0.024	0.023	0.021	0.026	0.024	0.058	2	0.054	2	8065	Si
265	0.028	0.025	0.025	0.022	0.027	0.025	0.024	0.022	0.027	0.025	0.06	2	0.056	2	7802	Si
296	0.028	0.024	0.025	0.022	0.027	0.024	0.024	0.022	0.026	0.024	0.059	2	0.055	2	7896	Si
327	0.026	0.023	0.023	0.02	0.025	0.023	0.022	0.02	0.025	0.023	0.056	2	0.051	2	8415	Si
358	0.023	0.02	0.021	0.018	0.022	0.02	0.02	0.018	0.022	0.02	0.049	2	0.045	2	9591	Si
374	0.021	0.018	0.019	0.016	0.02	0.018	0.018	0.016	0.02	0.018	0.044	2	0.041	2	9999	Si
405	0.016	0.014	0.014	0.012	0.015	0.014	0.013	0.012	0.015	0.014	0.033	2	0.03	2	9999	Si
436	0.009	0.007	0.008	0.007	0.008	0.007	0.007	0.007	0.008	0.007	0.018	2	0.016	2	9999	Si
445	0.006	0.005	0.006	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.013	2	0.012	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3502	10594	15005	SLV 3	0.39	870	1.086	-183353	1995958	2322640	SLV 13	0.45	1265	1.266	Si
31	3434	10594	15005	SLV 3	0.4	882	1.092	-183353	1995958	2322640	SLV 13	0.45	1265	1.266	Si
62	3189	10594	15005	SLV 3	0.4	929	1.115	-145987	1905513	2322640	SLV 13	0.47	1375	1.31	Si
94	2943	10594	13633	SLV 3	0.37	727	1.009	-43297	1643650	2322640	SLV 13	0.51	1821	1.47	Si
125	2698	10594	13633	SLV 3	0.38	769	1.032	51744	1381853	2021729	SLV 13	0.51	1774	1.454	Si
140	2575	10594	13633	SLV 3	0.38	790	1.044	96395	1250992	1422107	SLV 13	0.38	820	1.06	Si
171	2330	10594	13633	SLV 3	0.39	833	1.066	179962	-989392	-970824	SLV 3	0.42	1033	1.165	Si
203	2084	10594	13633	SLV 3	0.4	878	1.09	255879	728093	1422093	SLV 13	0.57	2423	1.652	Si
234	1839	10594	13633	SLV 3	0.4	924	1.113	324146	467569	1422093	SLV 13	0.57	2474	1.666	Si
265	1593	10594	13633	SLV 3	0.41	972	1.136	477400	298694	1422093	SLV 3	0.57	2474	1.666	Si
296	1348	10594	13633	SLV 3	0.42	1025	1.161	516099	555063	1422093	SLV 3	0.57	2474	1.666	Si
327	1102	10594	13633	SLV 3	0.43	1080	1.186	547148	815247	1422093	SLV 3	0.39	845	1.073	Si
358	857	10594	13633	SLV 3	0.44	1137	1.212	570548	1076414	1847220	SLV 3	0.43	1088	1.19	Si
374	734	10594	13633	SLV 3	0.44	1166	1.224	579380	1207152	1873106	SLV 3	0.39	842	1.071	Si
405	489	10594	11676	SLV 3	0.38	813	1.056	591305	1468791	2297090	SLV 3	0.42	1029	1.163	Si
436	243	10594	12021	SLV 3	0.4	921	1.111	593522	1559183	2323187	SLV 3	0.4	916	1.109	Si
445	175	10594	12021	SLV 3	0.41	934	1.118	593522	1559183	2323187	SLV 3	0.4	916	1.109	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3502	3721	15005	SLD 3	0.41	992	2.883	-183353	883269	2322640	SLD 13	0.38	802	2.642	Si
31	3434	3721	15005	SLD 3	0.42	1007	2.9	-183353	883269	2322640	SLD 13	0.38	802	2.642	Si
62	3189	3721	15005	SLD 3	0.43	1067	2.97	-145987	843243	2322640	SLD 13	0.39	866	2.727	Si
94	2943	3721	13633	SLD 3	0.39	827	2.675	-43297	727357	2322640	SLD 13	0.44	1137	3.049	Si
125	2698	3721	13633	SLD 3	0.39	875	2.738	51744	611499	2021729	SLD 13	0.43	1109	3.017	Si
140	2575	3721	13633	SLD 3	0.4	899	2.769	96395	553587	1422107	SLD 13	0.32	532	2.233	Si
171	2330	3721	13633	SLD 3	0.41	948	2.83	179962	-437814	-970824	SLD 3	0.35	666	2.448	Si
203	2084	3721	13633	SLD 3	0.42	1002	2.895	255879	322171	1422093	SLD 13	0.48	1510	3.425	Si
234	1839	3721	13633	SLD 3	0.42	1060	2.962	324146	206862	1422093	SLD 13	0.6	2474	4.193	Si
265	1593	3721	13633	SLD 3	0.43	1122	3.032	477400	132112	1422093	SLD 3	0.6	2474	4.193	Si
296	1348	3721	13633	SLD 3	0.44	1183	3.098	516099	245601	1422093	SLD 3	0.49	1589	3.497	Si
327	1102	3721	13633	SLD 3	0.45	1247	3.166	547148	360755	1422093	SLD 3	0.33	549	2.262	Si
358	857	3721	13633	SLD 3	0.46	1313	3.234	570548	476338	1847220	SLD 3	0.36	699	2.497	Si
374	734	3721	13633	SLD 3	0.46	1346	3.267	579380	534196	1873106	SLD 3	0.33	547	2.258	Si
405	489	3721	11676	SLD 3	0.4	925	2.801	591305	649985	2297090	SLD 3	0.35	664	2.445	Si
436	243	3721	12021	SLD 3	0.42	1057	2.959	593522	689988	2323187	SLD 3	0.34	594	2.336	Si
445	175	3721	12021	SLD 3	0.43	1073	2.977	593522	689988	2323187	SLD 3	0.34	594	2.336	Si

Campata 2 tra i fili 15 - 16, sezione R 45x70, asta 1002

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	19.01	5.4	552199	SLU 29	534938	2323187	0.094						Si
20	15.21	5.4	19.01	5.4	519980	SLU 30	519640	2323187	0.094						Si
23	15.21	5.4	19.01	5.4	515250	SLU 30	515250	2323187	0.094						Si
40	15.21	5.4	19.01	5.4	483799	SLU 30	515250	2323187	0.094						Si
60	13.89	5.4	18.02	5.4	443590	SLU 30	501117	2206622	0.093						Si
79	12.02	5.4	15.21	5.4	399355	SLU 30	462785	1872997	0.09						Si
89	11.09	5.4	14.54	5.4	375728	SLU 30	442108	1793883	0.089						Si
109	7.6	5.4	13.2	5.4	325452	SLU 30	397735	1635715	0.087						Si
119	7.6	5.4	11.4	5.4	298804	SLU 30	374038	1422093	0.084						Si
129	7.6	5.4	11.4	5.4	273454	SLU 36	349335	1422093	0.084						Si
149	7.6	5.4	11.4	5.4	221490	SLU 36	296908	1422093	0.084						Si
169	7.6	5.4	11.4	5.4	175735	SLU 35	246159	1422093	0.084						Si
188	7.6	5.4	11.4	5.4	126448	SLU 26	197297	1422093	0.084	56372	SLU 11	-32208	-970824	0.078	Si
208	9.31	5.4	11.4	5.4	76855	SLU 26	149854	1422093	0.084	-3325	SLU 11	-99132	-1173334	0.08	Si
228	15.01	5.4	11.4	5.4	23234	SLU 26	100420	1422107	0.084	-66119	SLU 11	-179669	-1850240	0.09	Si
238	16.88	5.4	17.69	5.4	-1969	SLU 8	75051	2166477	0.091	-101795	SLU 29	-221448	-2071340	0.09	Si
258	20.38	5.4	21.69	5.4	-48395	SLU 8	21292	2640686	0.095	-182470	SLU 29	-255648	-2485331	0.093	Si
275	22.81	5.4	22.81	5.4						-255648	SLU 29	-255648	-2772667	0.095	Si
278	22.81	5.4	22.81	5.4						-267172	SLU 29	-266548	-2772667	0.095	Si
298	22.81	5.4	22.81	5.4						-355901	SLU 29	-304529	-2772667	0.095	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	19.01	5.4	2399922	SLV 13	2263721	2323187	0.094	-1651182	SLV 3	-1534270	-1872544	0.088	Si
20	15.21	5.4	19.01	5.4	2155306	SLV 13	2153743	2323187	0.094	-1443401	SLV 3	-1442258	-1872544	0.088	Si
23	15.21	5.4	19.01	5.4	2122181	SLV 13	2122181	2323187	0.094	-1415852	SLV 3	-1415852	-1872544	0.088	Si
40	15.21	5.4	19.01	5.4	1908384	SLV 15	2122181	2323187	0.094	-1239508	SLV 1	-1415852	-1872544	0.088	Si
60	13.89	5.4	18.02	5.4	1659395	SLV 15	2015782	2206622	0.093	-1039743	SLV 1	-1326145	-1717131	0.086	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
79	12.02	5.4	15.21	5.4	1408608	SLV 15	1775578	1872997	0.09	-844377	SLV 1	-1132280	-1495571	0.084	Si
89	11.09	5.4	14.54	5.4	1282621	SLV 15	1650811	1793883	0.089	-748424	SLV 1	-1033006	-1384711	0.083	Si
109	7.6	5.4	13.2	5.4	1029574	SLV 15	1399969	1635715	0.087	-560090	SLV 1	-837798	-971054	0.078	Si
129	7.6	5.4	11.4	5.4	775145	SLV 15	1147584	1422093	0.084	-376570	SLV 1	-647240	-970824	0.078	Si
149	7.6	5.4	11.4	5.4	519278	SLV 15	893798	1422093	0.084	-197808	SLV 1	-461479	-970824	0.078	Si
169	7.6	5.4	11.4	5.4	331817	SLV 11	638611	1422093	0.084	-93647	SLV 5	-280511	-970824	0.078	Si
188	7.6	5.4	11.4	5.4	318243	SLV 7	529713	1422093	0.084	-169568	SLV 9	-523456	-970824	0.078	Si
208	9.31	5.4	11.4	5.4	447638	SLV 3	704162	1422093	0.084	-394653	SLV 13	-802678	-1173334	0.08	Si
228	15.01	5.4	11.4	5.4	623258	SLV 3	875972	1422107	0.084	-672159	SLV 13	-1085454	-1850240	0.09	Si
238	16.88	5.4	17.69	5.4	710119	SLV 3	960848	2166477	0.091	-812286	SLV 13	-1228136	-2071340	0.09	Si
258	20.38	5.4	21.69	5.4	881836	SLV 3	1028168	2640686	0.095	-1095183	SLV 13	-1342900	-2485331	0.093	Si
275	22.81	5.4	22.81	5.4	1028168	SLV 3	1028168	2772667	0.095	-1342900	SLV 13	-1342900	-2772667	0.095	Si
278	22.81	5.4	22.81	5.4	1050791	SLV 3	1049586	2772667	0.095	-1381512	SLV 13	-1379451	-2772667	0.095	Si
298	22.81	5.4	22.81	5.4	1216902	SLV 3	1124216	2772667	0.095	-1671194	SLV 13	-1506811	-2772667	0.095	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	19.01	5.4	1270754	SLD 13	1205104	2323187	0.094	-522014	SLD 3	-475652	-1872544	0.088	Si
20	15.21	5.4	19.01	5.4	1152236	SLD 13	1151426	2323187	0.094	-440330	SLD 3	-439942	-1872544	0.088	Si
23	15.21	5.4	19.01	5.4	1136022	SLD 13	1136022	2323187	0.094	-429693	SLD 3	-429693	-1872544	0.088	Si
40	15.21	5.4	19.01	5.4	1030969	SLD 15	1136022	2323187	0.094	-362093	SLD 1	-429693	-1872544	0.088	Si
60	13.89	5.4	18.02	5.4	907062	SLD 15	1084284	2206622	0.093	-287410	SLD 1	-394647	-1717131	0.086	Si
79	12.02	5.4	15.21	5.4	780632	SLD 15	965068	1872997	0.09	-216401	SLD 1	-321770	-1495571	0.084	Si
89	11.09	5.4	14.54	5.4	716506	SLD 15	902748	1793883	0.089	-182309	SLD 1	-284944	-1384711	0.083	Si
109	7.6	5.4	13.2	5.4	586486	SLD 15	776234	1635715	0.087	-117002	SLD 1	-214063	-971054	0.078	Si
129	7.6	5.4	11.4	5.4	454126	SLD 15	647311	1422093	0.084	-55551	SLD 1	-146967	-970824	0.078	Si
149	7.6	5.4	11.4	5.4	319404	SLD 15	516041	1422093	0.084	2066	SLD 1	-83721	-970824	0.078	Si
169	7.6	5.4	11.4	5.4	213227	SLD 11	382423	1422093	0.084	24943	SLD 5	-80537	-970824	0.078	Si
188	7.6	5.4	11.4	5.4	182275	SLD 7	246447	1422093	0.084	-33600	SLD 9	-229906	-970824	0.078	Si
208	9.31	5.4	11.4	5.4	212866	SLD 3	284160	1422093	0.084	-159881	SLD 13	-382675	-1173334	0.08	Si
228	15.01	5.4	11.4	5.4	262185	SLD 3	329262	1422107	0.084	-311087	SLD 13	-538744	-1850240	0.09	Si
238	16.88	5.4	17.69	5.4	285778	SLD 3	350710	2166477	0.091	-387945	SLD 13	-617999	-2071340	0.09	Si
258	20.38	5.4	21.69	5.4	330780	SLD 3	367279	2640686	0.095	-544127	SLD 13	-682011	-2485331	0.093	Si
275	22.81	5.4	22.81	5.4	367279	SLD 3	367279	2772667	0.095	-682011	SLD 13	-682011	-2772667	0.095	Si
278	22.81	5.4	22.81	5.4	372833	SLD 3	372539	2772667	0.095	-703555	SLD 13	-702404	-2772667	0.095	Si
298	22.81	5.4	22.81	5.4	411901	SLD 3	390868	2772667	0.095	-866193	SLD 13	-773463	-2772667	0.095	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.35	0	-1530	SLU 29	-1530	-12563	-76908	0	-12563	1	Si
20	0	14.54	0	-1733	SLU 29	-1733	-11842	-76908	0	-11842	1	Si
23	0.144	14.54	0	-1760	SLU 29	-1760	-11842	-76908	-16673	-16673	1	Si
40	0.144	13.2	0	-1936	SLU 29	-1936	-11468	-76908	-16673	-16673	1	Si
60	0.144	11.4	0	-2139	SLU 29	-2139	-10922	-76908	-16673	-16673	1	Si
79	0.144	11.4	0	-2342	SLU 29	-2342	-10922	-76908	-16673	-16673	1	Si
89	0.144	11.4	0	-2443	SLU 29	-2443	-10922	-76908	-16673	-16673	1	Si
109	0.152	11.4	0	-2646	SLU 29	-2646	-10922	-76908	-17636	-17636	1	Si
129	0.152	11.4	0	-2849	SLU 29	-2849	-10922	-76908	-17636	-17636	1	Si
149	0.152	11.4	0	-3052	SLU 29	-3052	-10922	-76908	-17636	-17636	1	Si
169	0.152	13.87	0	-3255	SLU 29	-3255	-11658	-76908	-17636	-17636	1	Si
188	0.152	11.4	0	-3459	SLU 29	-3459	-10922	-76908	-17636	-17636	1	Si
208	0.158	11.4	0	-3662	SLU 29	-3662	-10922	-76908	-18340	-18340	1	Si
228	0.158	7.6	0	-3865	SLU 29	-3865	-9541	-76908	-18340	-18340	1	Si
238	0.158	7.6	0	-3966	SLU 29	-3966	-9541	-76908	-18340	-18340	1	Si
258	0.158	7.6	0	-4169	SLU 29	-4169	-9541	-76908	-18340	-18340	1	Si
275	0.158	9.31	0	-4345	SLU 29	-4345	-10207	-76908	-18340	-18340	1	Si
278	0	9.31	0	-4372	SLU 29	-4372	-10207	-76908	0	-10207	1	Si
288	0	9.78	0	-4474	SLU 29	-4474	-10375	-76908	0	-10375	1	Si
298	0	15.01	0	-4575	SLU 29	-4575	-11970	-76908	0	-11970	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	12.96	0	10703	SLV 3	13707	11397	76908	0	11397	1	Si
0	0	17.35	0	-12404	SLV 13	-15408	-12563	-76908	0	-12563	1	Si
20	0	11.09	0	10547	SLV 3	13551	10820	76908	0	10820	1	Si
20	0	14.54	0	-12560	SLV 13	-15564	-11842	-76908	0	-11842	1	Si
23	0.144	11.09	0	10526	SLV 3	13530	10820	76908	16673	16673	1	Si
23	0.144	14.54	0	-12581	SLV 13	-15585	-11842	-76908	-16673	-16673	1	Si
40	0.144	7.6	0	10391	SLV 3	13395	9541	76908	16673	16673	1	Si
40	0.144	13.2	0	-12717	SLV 13	-15721	-11468	-76908	-16673	-16673	1	Si
60	0.144	7.6	0	10235	SLV 3	13239	9541	76908	16673	16673	1	Si
60	0.144	11.4	0	-12873	SLV 13	-15877	-10922	-76908	-16673	-16673	1	Si
79	0.144	7.6	0	10078	SLV 3	13082	9541	76908	16673	16673	1	Si
79	0.144	11.4	0	-13029	SLV 13	-16033	-10922	-76908	-16673	-16673	1	Si
89	0.144	7.6	0	10000	SLV 3	13004	9541	76908	16673	16673	1	Si
89	0.144	11.4	0	-13107	SLV 13	-16111	-10922	-76908	-16673	-16673	1	Si
109	0.152	7.6	0	9844	SLV 3	12848	9541	76908	17636	17636	1	Si
109	0.152	11.4	0	-13263	SLV 13	-16267	-10922	-76908	-17636	-17636	1	Si
129	0.152	7.6	0	9688	SLV 3	12692	9541	76908	17636	17636	1	Si
129	0.152	11.4	0	-13419	SLV 13	-16423	-10922	-76908	-17636	-17636	1	Si
149	0.152	9.78	0	9532	SLV 3	12536	10375	76908	17636	17636	1	Si
149	0.152	11.4	0	-13576	SLV 13	-16580	-10922	-76908	-17636	-17636	1	Si
169	0.152	13.87	0	9376	SLV 3	12380	11658	76908	17636	17636	1	Si
169	0.152	13.87	0	-13732	SLV 13	-16736	-11658	-76908	-17636	-17636	1	Si
188	0.152	11.4	0	9219	SLV 3	12223	10922	76908	17636	17636	1	Si
188	0.152	7.6	0	-13888	SLV 13	-16892	-9541	-76908	-17636	-17636	1	Si
208	0.158	11.4	0	9063	SLV 3	12067	10922	76908	18340	18340	1	Si
208	0.158	7.6	0	-14044	SLV 13	-17048	-9541	-76908	-18340	-18340	1	Si
228	0.158	11.4	0	8907	SLV 3	11911	10922	76908	18340	18340	1	Si
228	0.158	7.6	0	-14200	SLV 13	-17204	-9541	-76908	-18340	-18340	1	Si
238	0.158	11.4	0	8829	SLV 3	11833	10922	76908	18340	18340	1	Si
238	0.158	7.6	0	-14278	SLV 13	-17282	-9541	-76908	-18340	-18340	1	Si
258	0.158	11.4	0	8673	SLV 3	11677	10922	76908	18340	18340	1	Si
258	0.158	7.6	0	-14435	SLV 13	-17439	-9541	-76908	-18340	-18340	1	Si
275	0.158	11.4	0	8538	SLV 3	11542	10922	76908	18340	18340	1	Si
275	0.158	9.31	0	-14570	SLV 13	-17574	-10207	-76908	-18340	-18340	1	Si
278	0	11.4	0	8517	SLV 3	11521	10922	76908	0	10922	1	Si
278	0	9.31	0	-14591	SLV 13	-17595	-10207	-76908	0	-10207	1	Si
298	0	11.4	0	8360	SLV 3	11364	10922	76908	0	10922	1	Si
298	0	15.01	0	-14747	SLV 13	-17751	-11970	-76908	0	-11970	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	12.96	0	4262	SLD 3	4262	11397	76908	0	11397	1	Si
0	0	17.35	0	-5963	SLD 13	-5963	-12563	-76908	0	-12563	1	Si
20	0	11.09	0	4106	SLD 3	4106	10820	76908	0	10820	1	Si
20	0	14.54	0	-6120	SLD 13	-6120	-11842	-76908	0	-11842	1	Si
23	0.144	11.09	0	4085	SLD 3	4085	10820	76908	16673	16673	1	Si
23	0.144	14.54	0	-6141	SLD 13	-6141	-11842	-76908	-16673	-16673	1	Si
40	0.144	7.6	0	3950	SLD 3	3950	9541	76908	16673	16673	1	Si
40	0.144	13.2	0	-6276	SLD 13	-6276	-11468	-76908	-16673	-16673	1	Si
60	0.144	7.6	0	3794	SLD 3	3794	9541	76908	16673	16673	1	Si
60	0.144	11.4	0	-6432	SLD 13	-6432	-10922	-76908	-16673	-16673	1	Si
79	0.144	7.6	0	3638	SLD 3	3638	9541	76908	16673	16673	1	Si
79	0.144	11.4	0	-6588	SLD 13	-6588	-10922	-76908	-16673	-16673	1	Si
89	0.144	7.6	0	3560	SLD 3	3560	9541	76908	16673	16673	1	Si
89	0.144	11.4	0	-6666	SLD 13	-6666	-10922	-76908	-16673	-16673	1	Si
109	0.152	7.6	0	3403	SLD 3	3403	9541	76908	17636	17636	1	Si
109	0.152	11.4	0	-6822	SLD 13	-6822	-10922	-76908	-17636	-17636	1	Si
129	0.152	7.6	0	3247	SLD 3	3247	9541	76908	17636	17636	1	Si
129	0.152	11.4	0	-6979	SLD 13	-6979	-10922	-76908	-17636	-17636	1	Si
149	0.152	11.4	0	3091	SLD 3	3091	10922	76908	17636	17636	1	Si
149	0.152	11.4	0	-7135	SLD 13	-7135	-10922	-76908	-17636	-17636	1	Si
169	0.152	13.87	0	2935	SLD 3	2935	11658	76908	17636	17636	1	Si
169	0.152	13.87	0	-7291	SLD 13	-7291	-11658	-76908	-17636	-17636	1	Si
188	0.152	11.4	0	2779	SLD 3	2779	10922	76908	17636	17636	1	Si
188	0.152	7.6	0	-7447	SLD 13	-7447	-9541	-76908	-17636	-17636	1	Si
208	0.158	11.4	0	2622	SLD 3	2622	10922	76908	18340	18340	1	Si
208	0.158	7.6	0	-7603	SLD 13	-7603	-9541	-76908	-18340	-18340	1	Si
228	0.158	11.4	0	2466	SLD 3	2466	10922	76908	18340	18340	1	Si
228	0.158	7.6	0	-7760	SLD 13	-7760	-9541	-76908	-18340	-18340	1	Si
238	0.158	11.4	0	2388	SLD 3	2388	10922	76908	18340	18340	1	Si
238	0.158	7.6	0	-7838	SLD 13	-7838	-9541	-76908	-18340	-18340	1	Si
258	0.158	11.4	0	2232	SLD 3	2232	10922	76908	18340	18340	1	Si
258	0.158	7.6	0	-7994	SLD 13	-7994	-9541	-76908	-18340	-18340	1	Si
275	0.158	11.4	0	2097	SLD 3	2097	10922	76908	18340	18340	1	Si
275	0.158	9.31	0	-8129	SLD 13	-8129	-10207	-76908	-18340	-18340	1	Si
278	0	11.4	0	2076	SLD 3	2076	10922	76908	0	10922	1	Si
278	0	9.31	0	-8150	SLD 13	-8150	-10207	-76908	0	-10207	1	Si
298	0	11.4	0	1920	SLD 3	1920	10922	76908	0	10922	1	Si
298	0	15.01	0	-8306	SLD 13	-8306	-11970	-76908	0	-11970	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	405115	2	393190	10.8	124.5	355.4	1837	374370	2	364726	10.1	93.4	0	+∞	Si
20	382710	3	382468	10.5	124.5	345.7	1837	355953	2	355742	9.8	93.4	0	+∞	Si
23	379391	3	379391	10.5	124.5	342.9	1837	353164	2	353164	9.7	93.4	0	+∞	Si
40	357251	3	379391	10.5	124.5	342.9	1837	334438	2	353164	9.7	93.4	0	+∞	Si
60	328694	3	369468	10.5	124.5	351.9	1837	309826	2	344819	9.8	93.4	0	+∞	Si
79	297039	3	342354	10.6	124.5	384.8	1837	282116	2	321649	9.9	93.4	0	+∞	Si
89	280050	3	327635	10.4	124.5	384.8	1837	267099	2	308902	9.8	93.4	0	+∞	Si
109	243748	3	295874	10.2	124.5	382.6	1837	234742	2	281086	9.7	93.4	0	+∞	Si
129	205885	9	261015	9.5	124.5	388.6	1837	199288	2	250172	9.1	93.4	0	+∞	Si
149	167633	9	223058	8.1	124.5	332.1	1837	160735	2	216160	7.8	93.4	0	+∞	Si
169	133106	8	185808	6.7	124.5	276.7	1837	124934	1	179050	6.5	93.4	0	+∞	Si
188	95791	8	149402	5.4	124.5	222.4	1837	86300	1	141845	5.1	93.4	0	+∞	Si
208	55377	8	113530	4	124.5	168.8	1837	44569	1	104654	3.7	93.4	0	+∞	Si
228	11866	8	74559	2.5	124.5	110.4	1837								Si
228	-40578	2	-126842	4	124.5	144.4	1837	-24451	2	-104741	3.3	93.4	0	+∞	Si
238	-69249	2	-157783	4.4	124.5	159.5	1837	-51084	2	-133644	3.7	93.4	0	+∞	Si
258	-128914	2	-183134	4.6	124.5	153.9	1837	-106674	2	-157366	3.9	93.4	0	+∞	Si
275	-183134	2	-183134	4.4	124.5	137.9	1837	-157366	2	-157366	3.7	93.4	0	+∞	Si
278	-191677	2	-191216	4.6	124.5	144	1837	-165361	2	-164932	3.9	93.4	0	+∞	Si
298	-257538	2	-219378	5.2	124.5	165.2	1837	-227146	2	-191297	4.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
23	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
40	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
60	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
79	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.009	2	9999	Si
89	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.01	2	9999	Si
109	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
129	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.01	2	9999	Si
149	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.01	2	9999	Si
169	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	1	0.009	1	9999	Si
188	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	1	0.007	1	9999	Si
208	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
228	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.004	1	9999	Si
238	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
258	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
275	0.001	0	0.001	0	0.001	0	0	0	0.001	0	0.001	1	0.001	1	9999	Si
278	0.001	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-1028	-14558	-16673	SLV 13	0.39	848	1.074	353164	1769016	2323187	SLV 13	0.4	925	1.113	Si
40	-1163	-14558	-16673	SLV 13	0.39	830	1.065	353164	1769016	2323187	SLV 13	0.4	925	1.113	Si
60	-1319	-14558	-16673	SLV 13	0.38	810	1.054	344819	1670964	2206622	SLV 13	0.4	926	1.114	Si
79	-1475	-14558	-16673	SLV 13	0.38	790	1.044	321649	1453929	1872997	SLV 15	0.39	833	1.066	Si
89	-1553	-14558	-16673	SLV 13	0.38	780	1.038	308902	1341908	1793883	SLV 15	0.4	911	1.106	Si
109	-1710	-14558	-17636	SLV 13	0.4	886	1.094	281086	-1118883	-971054	SLV 1	0.41	936	1.119	Si
129	-1866	-14558	-17636	SLV 13	0.39	865	1.083	250172	897412	1422093	SLV 15	0.47	1404	1.321	Si
149	-2022	-14558	-17636	SLV 13	0.39	844	1.072	216160	-677638	-970824	SLV 1	0.57	2474	1.666	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
169	-2178	-14558	-17636	SLV 13	0.39	824	1.062	179050	-459561	-970824	SLV 1	0.57	2474	1.666	Si
188	-2334	-14558	-17636	SLV 13	0.38	803	1.051	3128	-526584	-970824	SLV 13	0.57	2474	1.666	Si
208	-2490	-14558	-18340	SLV 13	0.39	875	1.088	-49258	-753420	-1173334	SLV 13	0.53	2004	1.528	Si
228	-2647	-14558	-18340	SLV 13	0.39	855	1.078	-104741	980713	1422107	SLV 3	0.55	2246	1.602	Si
238	-2725	-14558	-18340	SLV 13	0.39	844	1.072	-133644	-1094492	-2071340	SLV 13	0.57	2474	1.666	Si
258	-2881	-14558	-18340	SLV 13	0.39	824	1.062	-157366	-1185534	-2485331	SLV 13	0.57	2474	1.666	Si
275	-3016	-14558	-18340	SLV 13	0.38	806	1.052	-157366	-1185534	-2772667	SLV 13	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-1028	-5113	-16673	SLD 13	0.41	965	2.85	353164	782857	2323187	SLD 13	0.34	600	2.346	Si
40	-1163	-5113	-16673	SLD 13	0.41	945	2.826	353164	782857	2323187	SLD 13	0.34	600	2.346	Si
60	-1319	-5113	-16673	SLD 13	0.4	922	2.797	344819	739465	2206622	SLD 13	0.34	601	2.347	Si
79	-1475	-5113	-16673	SLD 13	0.4	899	2.769	321649	643419	1872997	SLD 15	0.33	541	2.248	Si
89	-1553	-5113	-16673	SLD 13	0.4	888	2.755	308902	593846	1793883	SLD 15	0.34	591	2.331	Si
109	-1710	-5113	-17636	SLD 13	0.42	1012	2.906	281086	-495149	-971054	SLD 1	0.34	607	2.357	Si
129	-1866	-5113	-17636	SLD 13	0.41	985	2.874	250172	397139	1422093	SLD 15	0.4	883	2.748	Si
149	-2022	-5113	-17636	SLD 13	0.41	960	2.844	216160	-299881	-970824	SLD 1	0.52	1918	3.777	Si
169	-2178	-5113	-17636	SLD 13	0.41	938	2.817	179050	-203373	-970824	SLD 1	0.6	2474	4.193	Si
188	-2334	-5113	-17636	SLD 13	0.4	914	2.787	3128	-233034	-970824	SLD 13	0.55	2218	4.009	Si
208	-2490	-5113	-18340	SLD 13	0.42	998	2.89	-49258	-333417	-1173334	SLD 13	0.45	1250	3.169	Si
228	-2647	-5113	-18340	SLD 13	0.41	973	2.86	-104741	434003	1422107	SLD 3	0.47	1400	3.32	Si
238	-2725	-5113	-18340	SLD 13	0.41	960	2.844	-133644	-484355	-2071340	SLD 13	0.53	1973	3.821	Si
258	-2881	-5113	-18340	SLD 13	0.41	938	2.817	-157366	-524645	-2485331	SLD 13	0.58	2474	4.193	Si
275	-3016	-5113	-18340	SLD 13	0.4	917	2.791	-157366	-524645	-2772667	SLD 13	0.6	2474	4.193	Si

Campata 3 tra i fili 16 - 17, sezione R 45x70, asta 1003

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	5.4	15098	SLU 24	15098	2772667	0.095	-169603	SLU 12	-121107	-2772667	0.095	Si
19	22.81	5.4	22.81	5.4	85070	SLU 24	85070	2772667	0.095	-88287	SLU 12	-87303	-2772667	0.095	Si
23	22.81	5.4	22.81	5.4	96749	SLU 24	194701	2772667	0.095	-74523	SLU 12	-74523	-2772667	0.095	Si
38	21.32	5.4	22.81	5.4	151281	SLU 24	244588	2772710	0.096	-9865	SLU 12	-74523	-2595880	0.093	Si
57	19.51	5.4	22.81	5.4	213731	SLU 24	302140	2772860	0.097	65665	SLU 12	-50036	-2382001	0.091	Si
77	15.21	5.4	22.81	5.4	272888	SLU 26	357199	2773116	0.1						Si
86	15.21	5.4	22.81	5.4	301225	SLU 26	386102	2773116	0.1						Si
105	14.3	5.4	19.72	5.4	356233	SLU 35	443362	2407671	0.096						Si
125	13.4	5.4	11.4	5.4	413162	SLU 35	507230	1422094	0.084						Si
144	11.4	5.4	11.4	5.4	474715	SLU 36	567371	1422094	0.084						Si
163	11.4	5.4	11.4	5.4	536765	SLU 36	629116	1422094	0.084						Si
182	11.4	5.4	11.4	5.4	597698	SLU 30	687100	1422094	0.084						Si
201	11.4	5.4	11.4	5.4	657625	SLU 30	741323	1422094	0.084						Si
220	11.4	5.4	22.49	6.9	713791	SLU 30	791786	2669476	0.107						Si
230	11.4	5.4	25.07	7	740464	SLU 30	815607	2958811	0.113						Si
249	11.4	5.4	26.61	7.1	790989	SLU 30	829784	3130906	0.117						Si
265	11.4	5.4	26.61	7.1	829784	SLU 30	829784	3130906	0.117						Si
268	11.4	5.4	26.61	7.1	837754	SLU 30	837117	3130906	0.117						Si
287	11.4	5.4	26.61	7.1	880757	SLU 30	856513	3130906	0.117						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	5.4	2536879	SLV 15	2409131	2772667	0.095	-2670336	SLV 1	-2464996	-2772667	0.095	Si
19	22.81	5.4	22.81	5.4	2317844	SLV 15	2314975	2772667	0.095	-2321720	SLV 1	-2317308	-2772667	0.095	Si
23	22.81	5.4	22.81	5.4	2279377	SLV 15	2279377	2772667	0.095	-2261471	SLV 1	-2261471	-2772667	0.095	Si
38	21.32	5.4	22.81	5.4	2095943	SLV 15	2279377	2772710	0.096	-1976023	SLV 1	-2261471	-2595880	0.093	Si
57	19.51	5.4	22.81	5.4	1871192	SLV 15	2210944	2772860	0.097	-1633264	SLV 1	-2154289	-2382001	0.091	Si
77	15.21	5.4	22.81	5.4	1643626	SLV 15	1987662	2773116	0.1	-1293474	SLV 1	-1810010	-1872416	0.087	Si
86	15.21	5.4	22.81	5.4	1528808	SLV 15	1874956	2773116	0.1	-1124715	SLV 1	-1638974	-1872416	0.087	Si
105	14.3	5.4	19.72	5.4	1297211	SLV 15	1647437	2407671	0.096	-789573	SLV 1	-1299135	-1765501	0.087	Si
125	13.4	5.4	11.4	5.4	1063491	SLV 15	1417180	1422094	0.084	-458095	SLV 1	-962345	-1658770	0.087	Si
144	11.4	5.4	11.4	5.4	831828	SLV 13	1184436	1422094	0.084	-134460	SLV 3	-628852	-1422094	0.084	Si
163	11.4	5.4	11.4	5.4	624685	SLV 13	950490	1422094	0.084	158870	SLV 3	-299944	-1422094	0.084	Si
182	11.4	5.4	11.4	5.4	600514	SLV 5	1013497	1422094	0.084	263441	SLV 11	-38665	-1422094	0.084	Si
201	11.4	5.4	11.4	5.4	849017	SLV 1	1329942	1422094	0.084	89553	SLV 15	-289270	-1422094	0.084	Si
220	11.4	5.4	22.49	6.9	1166778	SLV 1	1643654	2669476	0.107	-159379	SLV 15	-542930	-1491104	0.096	Si
230	11.4	5.4	25.07	7	1324692	SLV 1	1799457	2958811	0.113	-285048	SLV 15	-670875	-1506867	0.099	Si
249	11.4	5.4	26.61	7.1	1638451	SLV 1	1895440	3130906	0.117	-538658	SLV 15	-750486	-1516143	0.1	Si
265	11.4	5.4	26.61	7.1	1895440	SLV 1	1895440	3130906	0.117	-750486	SLV 15	-750486	-1516143	0.1	Si
268	11.4	5.4	26.61	7.1	1949393	SLV 1	1945382	3130906	0.117	-795237	SLV 15	-791978	-1516143	0.1	Si
287	11.4	5.4	26.61	7.1	2257484	SLV 1	2077480	3130906	0.117	-1054750	SLV 15	-901725	-1516143	0.1	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	5.4	1085466	SLD 15	1050560	2772667	0.095	-1218922	SLD 1	-1106425	-2772667	0.095	Si
19	22.81	5.4	22.81	5.4	1024653	SLD 15	1023813	2772667	0.095	-1028529	SLD 1	-1026147	-2772667	0.095	Si
23	22.81	5.4	22.81	5.4	1013701	SLD 15	1013701	2772667	0.095	-995796	SLD 1	-995796	-2772667	0.095	Si
38	21.32	5.4	22.81	5.4	960959	SLD 15	1013701	2772710	0.096	-841040	SLD 1	-995796	-2595880	0.093	Si
57	19.51	5.4	22.81	5.4	894392	SLD 15	994217	2772860	0.097	-656463	SLD 1	-937563	-2382001	0.091	Si
77	15.21	5.4	22.81	5.4	824965	SLD 15	929134	2773116	0.1	-474814	SLD 1	-751481	-1872416	0.087	Si
86	15.21	5.4	22.81	5.4	789190	SLD 15	895515	2773116	0.1	-385096	SLD 1	-659533	-1872416	0.087	Si
105	14.3	5.4	19.72	5.4	715560	SLD 15	826136	2407671	0.096	-207922	SLD 1	-477834	-1765501	0.087	Si
125	13.4	5.4	11.4	5.4	639378	SLD 15	753934	1422094	0.084	-33981	SLD 1	-299098	-1658770	0.087	Si
144	11.4	5.4	11.4	5.4	562491	SLD 13	679017	1422094	0.084	134877	SLD 3	-123433	-1422094	0.084	Si
163	11.4	5.4	11.4	5.4	494843	SLD 13	601954	1422094	0.084						Si
182	11.4	5.4	11.4	5.4	506548	SLD 5	720217	1422094	0.084						Si
201	11.4	5.4	11.4	5.4	637319	SLD 1	878608	1422094	0.084						Si
220	11.4	5.4	22.49	6.9	797127	SLD 1	1034176	2669476	0.107						Si
230	11.4	5.4	25.07	7	875998	SLD 1	1110889	2958811	0.113						Si
249	11.4	5.4	26.61	7.1	1031614	SLD 1	1157929	3130906	0.117	68179	SLD 15	-12975	-1516143	0.1	Si
265	11.4	5.4	26.61	7.1	1157929	SLD 1	1157929	3130906	0.117	-12975	SLD 15	-12975	-1516143	0.1	Si
268	11.4	5.4	26.61	7.1	1184370	SLD 1	1182386	3130906	0.117	-30214	SLD 15	-28981	-1516143	0.1	Si
287	11.4	5.4	26.61	7.1	1334252	SLD 1	1247074	3130906	0.117	-131518	SLD 15	-71318	-1516143	0.1	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.61	0	5089	SLU 30	5089	12857	76908	0	12857	1	Si
10	0	15.21	0	4991	SLU 30	4991	12021	76908	0	12021	1	Si
19	0	15.21	0	4893	SLU 30	4893	12021	76908	0	12021	1	Si
23	0.201	15.21	0	4858	SLU 30	4858	12021	76908	23342	23342	1	Si
38	0.201	19.72	0	4696	SLU 30	4696	13109	76908	23342	23342	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
57	0.201	11.4	0	4500	SLU 30	4500	10922	76908	23342	23342	1	Si
77	0.201	11.4	0	4304	SLU 30	4304	10922	76908	23342	23342	1	Si
86	0.201	11.4	0	4206	SLU 30	4206	10922	76908	23342	23342	1	Si
105	0.186	11.4	0	4010	SLU 30	4010	10922	76908	21634	21634	1	Si
125	0.186	11.4	0	3813	SLU 30	3813	10922	76908	21634	21634	1	Si
144	0.186	19.91	0	3617	SLU 30	3617	13151	76908	21634	21634	1	Si
163	0.186	21.66	0	3421	SLU 30	3421	13525	76908	21634	21634	1	Si
182	0.186	17.78	0	3225	SLU 30	3225	12665	76908	21634	21634	1	Si
201	0.187	11.4	0	3029	SLU 30	3029	10922	76908	21675	21675	1	Si
220	0.187	11.4	0	2832	SLU 30	2832	10799	75148	21178	21178	1	Si
230	0.187	11.4	0	2734	SLU 30	2734	10786	74961	21126	21126	1	Si
249	0.187	11.4	0	2538	SLU 30	2538	10780	74867	21099	21099	1	Si
265	0.187	11.4	0	2376	SLU 30	2376	10780	74867	21099	21099	1	Si
268	0	11.4	0	2342	SLU 30	2342	10780	74867	0	10780	1	Si
287	0	22.49	0	2146	SLU 30	2146	13518	74867	0	13518	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.61	0	18268	SLV 1	22119	12857	76908	0	12857	1	Si
0	0	22.81	0	-11357	SLV 15	-15208	-13761	-76908	0	-13761	1	Si
19	0	15.21	0	18117	SLV 1	21969	12021	76908	0	12021	1	Si
19	0	22.81	0	-11508	SLV 15	-15359	-13761	-76908	0	-13761	1	Si
23	0.201	15.21	0	18091	SLV 1	21942	12021	76908	23342	23342	1	Si
23	0.201	22.81	0	-11534	SLV 15	-15385	-13761	-76908	-23342	-23342	1	Si
38	0.201	14.3	0	17966	SLV 1	21818	11778	76908	23342	23342	1	Si
38	0.201	19.72	0	-11658	SLV 15	-15510	-13109	-76908	-23342	-23342	1	Si
57	0.201	13.4	0	17815	SLV 1	21667	11525	76908	23342	23342	1	Si
57	0.201	11.4	0	-11809	SLV 15	-15661	-10922	-76908	-23342	-23342	1	Si
77	0.201	11.4	0	17665	SLV 1	21516	10922	76908	23342	23342	1	Si
77	0.201	11.4	0	-11960	SLV 15	-15812	-10922	-76908	-23342	-23342	1	Si
86	0.201	11.4	0	17589	SLV 1	21440	10922	76908	23342	23342	1	Si
86	0.201	11.4	0	-12036	SLV 15	-15887	-10922	-76908	-23342	-23342	1	Si
105	0.186	11.4	0	17438	SLV 1	21289	10922	76908	21634	21634	1	Si
105	0.186	11.4	0	-12187	SLV 15	-16038	-10922	-76908	-21634	-21634	1	Si
125	0.186	11.4	0	17287	SLV 1	21138	10922	76908	21634	21634	1	Si
125	0.186	11.4	0	-12338	SLV 15	-16189	-10922	-76908	-21634	-21634	1	Si
144	0.186	11.4	0	17136	SLV 1	20987	10922	76908	21634	21634	1	Si
144	0.186	19.91	0	-12489	SLV 15	-16340	-13151	-76908	-21634	-21634	1	Si
163	0.186	21.66	0	16985	SLV 1	20837	13525	76908	21634	21634	1	Si
163	0.186	21.66	0	-12640	SLV 15	-16491	-13525	-76908	-21634	-21634	1	Si
182	0.186	17.78	0	16834	SLV 1	20686	12665	76908	21634	21634	1	Si
182	0.186	17.78	0	-12790	SLV 15	-16642	-12665	-76908	-21634	-21634	1	Si
201	0.187	11.4	0	16683	SLV 1	20535	10922	76908	21675	21675	1	Si
201	0.187	11.4	0	-12941	SLV 15	-16793	-10922	-76908	-21675	-21675	1	Si
220	0.187	11.4	0	16532	SLV 1	20384	10799	75148	21178	21178	1	Si
220	0.187	11.4	0	-13092	SLV 15	-16944	-10922	-76908	-21675	-21675	1	Si
230	0.187	11.4	0	16457	SLV 1	20308	10786	74961	21126	21126	1	Si
230	0.187	11.4	0	-13168	SLV 15	-17019	-10922	-76908	-21675	-21675	1	Si
249	0.187	11.4	0	16306	SLV 1	20157	10780	74867	21099	21099	1	Si
249	0.187	11.4	0	-13319	SLV 15	-17170	-10922	-76908	-21675	-21675	1	Si
265	0.187	11.4	0	16181	SLV 1	20033	10780	74867	21099	21099	1	Si
265	0.187	11.4	0	-13443	SLV 15	-17295	-10922	-76908	-21675	-21675	1	Si
268	0	11.4	0	16155	SLV 1	20006	10780	74867	0	10780	1	Si
268	0	11.4	0	-13470	SLV 15	-17321	-10922	-76908	0	-10922	1	Si
287	0	22.49	0	16004	SLV 1	19855	13518	74867	0	13518	1	Si
287	0	11.4	0	-13621	SLV 15	-17472	-10922	-76908	0	-10922	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.61	0	10011	SLD 1	10011	12857	76908	0	12857	1	Si
0	0	22.81	0	-3099	SLD 15	-3099	-13761	-76908	0	-13761	1	Si
10	0	15.21	0	9935	SLD 1	9935	12021	76908	0	12021	1	Si
10	0	22.81	0	-3175	SLD 15	-3175	-13761	-76908	0	-13761	1	Si
19	0	15.21	0	9860	SLD 1	9860	12021	76908	0	12021	1	Si
19	0	22.81	0	-3250	SLD 15	-3250	-13761	-76908	0	-13761	1	Si
23	0.201	15.21	0	9834	SLD 1	9834	12021	76908	23342	23342	1	Si
23	0.201	22.81	0	-3276	SLD 15	-3276	-13761	-76908	-23342	-23342	1	Si
38	0.201	14.3	0	9709	SLD 1	9709	11778	76908	23342	23342	1	Si
38	0.201	19.72	0	-3401	SLD 15	-3401	-13109	-76908	-23342	-23342	1	Si
57	0.201	13.4	0	9558	SLD 1	9558	11525	76908	23342	23342	1	Si
57	0.201	11.4	0	-3552	SLD 15	-3552	-10922	-76908	-23342	-23342	1	Si
77	0.201	11.4	0	9407	SLD 1	9407	10922	76908	23342	23342	1	Si
77	0.201	11.4	0	-3703	SLD 15	-3703	-10922	-76908	-23342	-23342	1	Si
86	0.201	11.4	0	9332	SLD 1	9332	10922	76908	23342	23342	1	Si
86	0.201	11.4	0	-3778	SLD 15	-3778	-10922	-76908	-23342	-23342	1	Si
105	0.186	11.4	0	9181	SLD 1	9181	10922	76908	21634	21634	1	Si
105	0.186	11.4	0	-3929	SLD 15	-3929	-10922	-76908	-21634	-21634	1	Si
125	0.186	11.4	0	9030	SLD 1	9030	10922	76908	21634	21634	1	Si
125	0.186	11.4	0	-4080	SLD 15	-4080	-10922	-76908	-21634	-21634	1	Si
144	0.186	19.91	0	8879	SLD 1	8879	13151	76908	21634	21634	1	Si
144	0.186	19.91	0	-4231	SLD 15	-4231	-13151	-76908	-21634	-21634	1	Si
163	0.186	21.66	0	8728	SLD 1	8728	13525	76908	21634	21634	1	Si
163	0.186	21.66	0	-4382	SLD 15	-4382	-13525	-76908	-21634	-21634	1	Si
182	0.186	17.78	0	8577	SLD 1	8577	12665	76908	21634	21634	1	Si
182	0.186	17.78	0	-4533	SLD 15	-4533	-12665	-76908	-21634	-21634	1	Si
201	0.187	11.4	0	8426	SLD 1	8426	10922	76908	21675	21675	1	Si
201	0.187	11.4	0	-4684	SLD 15	-4684	-10922	-76908	-21675	-21675	1	Si
220	0.187	11.4	0	8275	SLD 1	8275	10799	75148	21178	21178	1	Si
220	0.187	11.4	0	-4835	SLD 15	-4835	-10799	-75148	-21178	-21178	1	Si
230	0.187	11.4	0	8200	SLD 1	8200	10786	74961	21126	21126	1	Si
230	0.187	11.4	0	-4910	SLD 15	-4910	-10786	-74961	-21126	-21126	1	Si
249	0.187	11.4	0	8049	SLD 1	8049	10780	74867	21099	21099	1	Si
249	0.187	11.4	0	-5061	SLD 15	-5061	-10780	-74867	-21099	-21099	1	Si
265	0.187	11.4	0	7924	SLD 1	7924	10780	74867	21099	21099	1	Si
265	0.187	11.4	0	-5186	SLD 15	-5186	-10922	-76908	-21675	-21675	1	Si
268	0	11.4	0	7898	SLD 1	7898	10780	74867	0	10780	1	Si
268	0	11.4	0	-5212	SLD 15	-5212	-10922	-76908	0	-10922	1	Si
287	0	22.49	0	7747	SLD 1	7747	13518	74867	0	13518	1	Si
287	0	11.4	0	-5363	SLD 15	-5363	-10922	-76908	0	-10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara	Quasi permanente	Verifica

	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-101492	3	-59554	1.4	124.5	44.9	1837	-66728	2	-27932	0.7	93.4	0	+∞	Si
19	47978	6	47978	1.1	124.5	36.1	1837	40230	1	40230	1	93.4	0	+∞	Si
19	-31349	3	-30509	0.7	124.5	23	1837	-1938	2	-1167	0	93.4	0	+∞	Si
23	57614	6	138656	3.3	124.5	104.4	1837	49864	1	130887	3.1	93.4	0	+∞	Si
23	-19527	3	-19527	0.5	124.5	14.7	1837								Si
38	102664	6	180125	4.4	124.5	135.8	1837	94903	1	172292	4.2	93.4	0	+∞	Si
57	154457	6	228067	5.6	124.5	172.3	1837	146683	1	219685	5.4	93.4	0	+∞	Si
77	203668	8	273116	7.1	124.5	207.2	1837	195570	1	264184	6.9	93.4	0	+∞	Si
86	227302	8	294555	7.7	124.5	223.5	1837	218929	1	285349	7.4	93.4	0	+∞	Si
105	272399	8	336781	9.3	124.5	294.1	1837	263477	1	326808	9	93.4	0	+∞	Si
125	314603	8	383026	12.9	124.5	567.8	1837	305131	1	371300	12.5	93.4	0	+∞	Si
144	359504	9	426401	14.7	124.5	632.9	1837	348684	2	412898	14.2	93.4	0	+∞	Si
163	404351	9	470460	16.2	124.5	698.3	1837	391777	2	451604	15.6	93.4	0	+∞	Si
182	448068	3	511626	17.6	124.5	759.4	1837	431978	2	487416	16.8	93.4	0	+∞	Si
201	490728	3	549898	19	124.5	816.2	1837	469285	2	520336	17.9	93.4	0	+∞	Si
220	530496	3	585278	16.6	124.5	479.3	1837	503699	2	550362	15.6	93.4	0	+∞	Si
230	549295	3	601883	16.6	124.5	447.6	1837	519822	2	564291	15.5	93.4	0	+∞	Si
249	584723	3	611725	16.6	124.5	431.5	1837	549896	2	572477	15.5	93.4	0	+∞	Si
265	611725	3	611725	16.6	124.5	431.5	1837	572477	2	572477	15.5	93.4	0	+∞	Si
268	617258	3	616812	16.7	124.5	435.1	1837	577078	2	576702	15.6	93.4	0	+∞	Si
287	646900	3	630268	17.1	124.5	444.6	1837	601367	2	587878	15.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.002	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	1	0.003	1	9999	Si
23	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
38	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	1	0.007	1	9999	Si
57	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	1	0.01	1	9999	Si
77	0.006	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	1	0.013	1	9999	Si
86	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.014	1	0.014	1	9999	Si
105	0.008	0.008	0.007	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.017	1	0.017	1	9999	Si
125	0.009	0.009	0.008	0.008	0.009	0.009	0.008	0.008	0.009	0.009	0.019	2	0.018	2	9999	Si
144	0.01	0.009	0.008	0.008	0.009	0.009	0.008	0.008	0.009	0.009	0.02	2	0.02	2	9999	Si
163	0.01	0.01	0.009	0.008	0.01	0.01	0.008	0.008	0.01	0.01	0.02	2	0.02	2	9999	Si
182	0.01	0.009	0.009	0.008	0.01	0.009	0.008	0.008	0.01	0.009	0.02	2	0.02	2	9999	Si
201	0.009	0.009	0.008	0.007	0.009	0.009	0.008	0.007	0.009	0.009	0.019	2	0.018	2	9999	Si
220	0.008	0.008	0.007	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.016	2	0.016	2	9999	Si
230	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.014	2	9999	Si
249	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
265	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
268	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3279	18664	23342	SLV 1	0.39	849	1.075	8953	2270424	2772667	SLV 15	0.44	1166	1.224	Si
38	3154	18664	23342	SLV 1	0.39	862	1.082	8953	-2270424	-2595880	SLV 1	0.42	997	1.148	Si
57	3003	18664	23342	SLV 1	0.4	877	1.089	28327	-2182616	-2382001	SLV 1	0.4	906	1.104	Si
77	2852	18664	23342	SLV 1	0.4	893	1.097	88826	-1898836	-1872416	SLV 1	0.38	770	1.033	Si
86	2777	18664	23342	SLV 1	0.4	901	1.101	117991	-1756965	-1872416	SLV 1	0.41	965	1.133	Si
105	2626	18664	21634	SLV 1	0.37	744	1.018	174151	-1473286	-1765501	SLV 1	0.47	1434	1.333	Si
125	2475	18664	21634	SLV 1	0.37	758	1.026	227418	1189763	1422094	SLV 15	0.37	719	1.004	Si
144	2324	18664	21634	SLV 1	0.38	773	1.034	277792	906644	1422094	SLV 15	0.45	1283	1.273	Si
163	2173	18664	21634	SLV 1	0.38	788	1.042	325273	625217	1422094	SLV 15	0.57	2474	1.666	Si
182	2022	18664	21634	SLV 1	0.38	803	1.051	487416	526081	1422094	SLV 1	0.57	2474	1.666	Si
201	1871	18664	21675	SLV 1	0.39	822	1.061	520336	809606	1422094	SLV 1	0.4	925	1.113	Si
220	1720	18664	21178	SLV 1	0.38	788	1.042	550362	-1093292	-1491104	SLV 15	0.57	2474	1.666	Si
230	1645	18664	21126	SLV 1	0.38	790	1.044	564291	-1235166	-1506867	SLV 15	0.57	2474	1.666	Si
249	1494	18664	21099	SLV 1	0.38	802	1.05	572477	-1322963	-1516143	SLV 15	0.56	2331	1.626	Si
265	1369	18664	21099	SLV 1	0.38	815	1.057	572477	-1322963	-1516143	SLV 15	0.56	2331	1.626	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3279	6555	23342	SLD 1	0.41	966	2.851	8953	1004748	2772667	SLD 15	0.37	744	2.562	Si
38	3154	6555	23342	SLD 1	0.41	982	2.871	8953	-1004748	-2595880	SLD 1	0.35	644	2.415	Si
57	3003	6555	23342	SLD 1	0.42	1001	2.893	28327	-965890	-2382001	SLD 1	0.34	587	2.325	Si
77	2852	6555	23342	SLD 1	0.42	1021	2.917	88826	-840307	-1872416	SLD 1	0.32	500	2.177	Si
86	2777	6555	23342	SLD 1	0.42	1031	2.929	117991	-777524	-1872416	SLD 1	0.35	625	2.385	Si
105	2626	6555	21634	SLD 1	0.39	847	2.702	174151	-651985	-1765501	SLD 1	0.4	901	2.771	Si
125	2475	6555	21634	SLD 1	0.39	863	2.723	227418	526516	1422094	SLD 15	0.31	469	2.12	Si
144	2324	6555	21634	SLD 1	0.4	880	2.744	277792	401225	1422094	SLD 15	0.38	812	2.655	Si
163	2173	6555	21634	SLD 1	0.4	897	2.766	325273	276681	1422094	SLD 15	0.52	1926	3.784	Si
182	2022	6555	21634	SLD 1	0.4	914	2.787	487416	232800	1422094	SLD 1	0.53	1992	3.836	Si
201	1871	6555	21675	SLD 1	0.41	935	2.814	520336	358272	1422094	SLD 1	0.34	600	2.346	Si
220	1720	6555	21178	SLD 1	0.4	897	2.766	550362	-483814	-1491104	SLD 15	0.56	2275	4.051	Si
230	1645	6555	21126	SLD 1	0.4	899	2.769	564291	-546598	-1506867	SLD 15	0.5	1706	3.6	Si
249	1494	6555	21099	SLD 1	0.4	913	2.786	572477	-585452	-1516143	SLD 15	0.47	1452	3.37	Si
265	1369	6555	21099	SLD 1	0.4	927	2.804	572477	-585452	-1516143	SLD 15	0.47	1452	3.37	Si

Campata 4 tra i fili 17 - 18, sezione R 45x70, asta 1004

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	26.61	7.1	1576214	SLU 30	1480912	3130906	0.117						Si
18	11.4	5.4	26.61	7.1	1422239	SLU 30	1418327	3130906	0.117						Si
23	11.4	5.4	26.61	7.1	1383123	SLU 30	1383123	3130906	0.117						Si
36	11.4	5.4	24.79	7.2	1264947	SLU 30	1383123	2916446	0.113						Si
54	11.4	5.4	28.83	6.9	1104338	SLU 30	1362001	3394774	0.13						Si
72	11.4	5.4	22.88	6.7	940413	SLU 30	1203432	2724109	0.107						Si
81	11.4	5.4	22.33	6.4	857206	SLU 30	1122904	2673588	0.106						Si
90	11.4	5.4	15.21	5.4	773170	SLU 30	1041546	1873055	0.09						Si
99	11.4	5.4	15.21	5.4	688305	SLU 30	959360	1873055	0.09						Si
117	11.4	5.4	15.21	5.4	516087	SLU 30	792498	1873055	0.09						Si
135	11.4	5.4	15.21	5.4	340552	SLU 30	622320	1873055	0.09	205653	SLU 1	-2329	-1422107	0.084	Si
153	11.4	5.4	15.21	5.4	161700	SLU 30	448825	1873055	0.09	79813	SLU 6	-169586	-1422107	0.084	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
171	22.95	6.6	15.21	5.4	-3881	SLU 12	272013	1929677	0.098	-66257	SLU 24	-343014	-2734814	0.102	Si
189	27.19	6.8	15.21	5.4	-152676	SLU 11	91884	1950092	0.101	-234980	SLU 26	-524580	-3215966	0.11	Si
207	30.41	6.9	18.92	5.4						-412451	SLU 35	-717512	-3580764	0.111	Si
216	30.41	6.9	20.13	5.4						-503458	SLU 35	-815398	-3580777	0.109	Si
234	30.41	6.9	22.56	5.4						-695042	SLU 36	-842000	-3580841	0.107	Si
247	30.41	6.9	22.81	5.4						-842000	SLU 36	-842000	-3580946	0.107	Si
252	30.41	6.9	22.81	5.4						-891262	SLU 36	-886336	-3580946	0.107	Si
270	30.41	6.9	22.81	5.4						-1090799	SLU 36	-965155	-3580946	0.107	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	26.61	7.1	3012272	SLV 13	2746566	3130906	0.117	-742565	SLV 3	-615147	-1516143	0.1	Si
18	11.4	5.4	26.61	7.1	2584378	SLV 13	2574044	3130906	0.117	-538228	SLV 3	-533578	-1516143	0.1	Si
23	11.4	5.4	26.61	7.1	2477000	SLV 13	2477000	3130906	0.117	-487696	SLV 3	-487696	-1516143	0.1	Si
36	11.4	5.4	24.79	7.2	2154354	SLV 13	2477000	2916446	0.113	-336864	SLV 3	-487696	-1516276	0.102	Si
54	11.4	5.4	28.83	6.9	1722388	SLV 13	2419016	3394774	0.13	-138660	SLV 3	-460409	-1511061	0.097	Si
72	11.4	5.4	22.88	6.7	1288791	SLV 13	1988223	2724109	0.107	56071	SLV 3	-260239	-1481472	0.093	Si
81	11.4	5.4	22.33	6.4	1071559	SLV 13	1772117	2673588	0.106	151957	SLV 3	-161359	-1466366	0.09	Si
99	11.4	5.4	15.21	5.4	678168	SLV 9	1338695	1873055	0.09	298828	SLV 7	-156868	-1422107	0.084	Si
117	11.4	5.4	15.21	5.4	616345	SLV 1	904258	1873055	0.09	109028	SLV 15	-593926	-1422107	0.084	Si
135	11.4	5.4	15.21	5.4	792999	SLV 1	1079374	1873055	0.09	-324352	SLV 15	-1036229	-1422107	0.084	Si
153	11.4	5.4	15.21	5.4	970330	SLV 1	1256277	1873055	0.09	-763513	SLV 15	-1483202	-1422107	0.084	No
171	22.95	6.6	15.21	5.4	1147580	SLV 1	1432182	1929677	0.098	-1207695	SLV 15	-1934281	-2734814	0.102	Si
189	27.19	6.8	15.21	5.4	1324174	SLV 1	1606624	1950092	0.101	-1656324	SLV 15	-2388999	-3215966	0.11	Si
207	30.41	6.9	18.92	5.4	1499573	SLV 3	1779265	2404783	0.108	-2108861	SLV 13	-2847020	-3580764	0.111	Si
216	30.41	6.9	20.13	5.4	1586689	SLV 3	1864836	2547981	0.11	-2336460	SLV 13	-3077194	-3580777	0.109	Si
234	30.41	6.9	22.56	5.4	1759556	SLV 3	1887831	2833856	0.114	-2794119	SLV 13	-3139498	-3580841	0.107	Si
247	30.41	6.9	22.81	5.4	1887831	SLV 3	1887831	2862523	0.114	-3139498	SLV 13	-3139498	-3580946	0.107	Si
252	30.41	6.9	22.81	5.4	1930415	SLV 3	1926538	2862523	0.114	-3254874	SLV 13	-3243717	-3580946	0.107	Si
270	30.41	6.9	22.81	5.4	2099109	SLV 3	1995349	2862523	0.114	-3718566	SLV 13	-3428997	-3580946	0.107	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	26.61	7.1	1965679	SLD 13	1809549	3130906	0.117						Si
18	11.4	5.4	26.61	7.1	1714007	SLD 13	1707850	3130906	0.117						Si
23	11.4	5.4	26.61	7.1	1650644	SLD 13	1650644	3130906	0.117						Si
36	11.4	5.4	24.79	7.2	1459970	SLD 13	1650644	2916446	0.113						Si
54	11.4	5.4	28.83	6.9	1203651	SLD 13	1616427	3394774	0.13						Si
72	11.4	5.4	22.88	6.7	945186	SLD 13	1361502	2724109	0.107						Si
81	11.4	5.4	22.33	6.4	815227	SLD 13	1233192	2673588	0.106						Si
90	11.4	5.4	15.21	5.4	684891	SLD 13	1104339	1873055	0.09						Si
99	11.4	5.4	15.21	5.4	572422	SLD 9	974968	1873055	0.09						Si
117	11.4	5.4	15.21	5.4	474923	SLD 1	714868	1873055	0.09	250450	SLD 15	-176951	-1422107	0.084	Si
135	11.4	5.4	15.21	5.4	481553	SLD 1	511392	1873055	0.09	-12907	SLD 15	-446543	-1422107	0.084	Si
153	11.4	5.4	15.21	5.4	487052	SLD 1	492699	1873055	0.09	-280235	SLD 15	-719624	-1422107	0.084	Si
171	22.95	6.6	15.21	5.4	491091	SLD 1	493861	1929677	0.098	-551206	SLD 15	-995943	-2734814	0.102	Si
189	27.19	6.8	15.21	5.4	493417	SLD 1	493861	1950092	0.101	-825567	SLD 15	-1275295	-3215966	0.11	Si
207	30.41	6.9	18.92	5.4	493791	SLD 3	493861	2404783	0.108	-1103079	SLD 13	-1557531	-3580764	0.111	Si
216	30.41	6.9	20.13	5.4	493186	SLD 3	493861	2547981	0.11	-1242957	SLD 13	-1699698	-3580777	0.109	Si
234	30.41	6.9	22.56	5.4	490306	SLD 3	493807	2833856	0.114	-1524869	SLD 13	-1738226	-3580841	0.107	Si
247	30.41	6.9	22.81	5.4	486559	SLD 3	492874	2862523	0.114	-1738226	SLD 13	-1738226	-3580946	0.107	Si
252	30.41	6.9	22.81	5.4	485115	SLD 3	485115	2862523	0.114	-1809574	SLD 13	-1802607	-3580946	0.107	Si
270	30.41	6.9	22.81	5.4	477543	SLD 3	477543	2862523	0.114	-2097001	SLD 13	-1917064	-3580946	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.88	0	-8462	SLU 30	-8462	-13595	-74867	0	-13595	1	Si
18	0	22.33	0	-8646	SLU 30	-8646	-13485	-74867	0	-13485	1	Si
23	0.259	22.33	0	-8692	SLU 30	-8692	-13485	-74867	-29215	-29215	1	Si
36	0.259	15.21	0	-8831	SLU 30	-8831	-11853	-74718	-29156	-29156	1	Si
54	0.259	15.21	0	-9015	SLU 30	-9015	-11884	-75125	-29315	-29315	1	Si
72	0.259	15.21	0	-9199	SLU 30	-9199	-11907	-75418	-29429	-29429	1	Si
81	0.259	15.21	0	-9291	SLU 30	-9291	-11934	-75769	-29566	-29566	1	Si
99	0.272	15.21	0	-9476	SLU 30	-9476	-12021	-76908	-31580	-31580	1	Si
117	0.272	15.21	0	-9660	SLU 30	-9660	-12021	-76908	-31580	-31580	1	Si
135	0.272	15.21	0	-9844	SLU 30	-9844	-12021	-76908	-31580	-31580	1	Si
153	0.272	15.21	0	-10028	SLU 30	-10028	-12021	-76908	-31580	-31580	1	Si
171	0.272	11.4	0	-10213	SLU 30	-10213	-10822	-75471	-30990	-30990	1	Si
189	0.273	11.4	0	-10397	SLU 30	-10397	-10806	-75249	-30995	-30995	1	Si
207	0.273	11.4	0	-10581	SLU 30	-10581	-10798	-75123	-30943	-30943	1	Si
216	0.273	11.4	0	-10673	SLU 30	-10673	-10798	-75123	-30943	-30943	1	Si
234	0.273	22.95	0	-10858	SLU 30	-10858	-13633	-75123	-30943	-30943	1	Si
247	0.273	25.07	0	-10996	SLU 30	-10996	-14040	-75123	-30943	-30943	1	Si
252	0	27.19	0	-11042	SLU 30	-11042	-14425	-75123	0	-14425	1	Si
270	0	30.41	0	-11226	SLU 30	-11226	-14973	-75123	0	-14973	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	11506	SLV 3	16094	10922	76908	0	10922	1	Si
0	0	22.88	0	-23784	SLV 13	-28372	-13595	-74867	0	-13595	1	Si
18	0	11.4	0	11364	SLV 3	15952	10922	76908	0	10922	1	Si
18	0	22.33	0	-23926	SLV 13	-28514	-13485	-74867	0	-13485	1	Si
23	0.259	11.4	0	11329	SLV 3	15917	10922	76908	30011	30011	1	Si
23	0.259	22.33	0	-23961	SLV 13	-28549	-13485	-74867	-29215	-29215	1	Si
36	0.259	11.4	0	11223	SLV 3	15810	10922	76908	30011	30011	1	Si
36	0.259	15.21	0	-24068	SLV 13	-28655	-11853	-74718	-29156	-29156	1	Si
54	0.259	11.4	0	11081	SLV 3	15669	10922	76908	30011	30011	1	Si
54	0.259	15.21	0	-24209	SLV 13	-28797	-11884	-75125	-29315	-29315	1	Si
72	0.259	15.21	0	10939	SLV 3	15527	11907	75418	29429	29429	1	Si
72	0.259	15.21	0	-24351	SLV 13	-28939	-11907	-75418	-29429	-29429	1	Si
81	0.259	15.21	0	10868	SLV 3	15456	11934	75769	29566	29566	1	Si
81	0.259	15.21	0	-24422	SLV 13	-29010	-11934	-75769	-29566	-29566	1	Si
99	0.272	15.21	0	10727	SLV 3	15314	12021	76908	31580	31580	1	Si
99	0.272	15.21	0	-24564	SLV 13	-29152	-12021	-76908	-31580	-31580	1	Si
117	0.272	15.21	0	10585	SLV 3	15173	12021	76908	31580	31580	1	Si
117	0.272	15.21	0	-24706	SLV 13	-29293	-12021	-76908	-31580	-31580	1	Si
135	0.272	15.21	0	10443	SLV 3	15031	12021	76908	31580	31580	1	Si
135	0.272	11.4	0	-24847	SLV 13	-29435	-10922	-76908	-31580	-31580	1	Si
153	0.272	15.21	0	10301	SLV 3	14889	12021	76908	31580	31580	1	Si
153	0.272	11.4	0	-24989	SLV 13	-29577	-10922	-76908	-31580	-31580	1	Si
171	0.272	15.21	0	10160	SLV 3	14747	12021	76908	31580	31580	1	Si
171	0.272	11.4	0	-25131	SLV 13	-29719	-10822	-75471	-30990	-30990	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
189	0.273	15.21	0	10018	SLV 3	14606	12021	76908	31678	31678	1	Si
189	0.273	11.4	0	-25273	SLV 13	-29860	-10806	-75249	-30995	-30995	1	Si
207	0.273	15.21	0	9876	SLV 3	14464	12021	76908	31678	31678	1	Si
207	0.273	11.4	0	-25414	SLV 13	-30002	-10798	-75123	-30943	-30943	1	Si
216	0.273	15.21	0	9805	SLV 3	14393	12021	76908	31678	31678	1	Si
216	0.273	11.4	0	-25485	SLV 13	-30073	-10798	-75123	-30943	-30943	1	Si
234	0.273	15.21	0	9663	SLV 3	14251	12021	76908	31678	31678	1	Si
234	0.273	22.95	0	-25627	SLV 13	-30215	-13633	-75123	-30943	-30943	1	Si
247	0.273	15.21	0	9557	SLV 3	14145	12021	76908	31678	31678	1	Si
247	0.273	25.07	0	-25733	SLV 13	-30321	-14040	-75123	-30943	-30943	1	Si
252	0	15.21	0	9522	SLV 3	14109	12021	76908	0	12021	1	Si
252	0	27.19	0	-25769	SLV 13	-30356	-14425	-75123	0	-14425	1	Si
270	0	18.92	0	9380	SLV 3	13968	12930	76908	0	12930	1	Si
270	0	30.41	0	-25910	SLV 13	-30498	-14973	-75123	0	-14973	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.88	0	1670	SLD 3	1670	13595	74867	0	13595	1	Si
0	0	22.88	0	-13948	SLD 13	-13948	-13595	-74867	0	-13595	1	Si
18	0	22.33	0	1528	SLD 3	1528	13485	74867	0	13485	1	Si
18	0	22.33	0	-14089	SLD 13	-14089	-13485	-74867	0	-13485	1	Si
23	0.259	22.33	0	1492	SLD 3	1492	13485	74867	29215	29215	1	Si
23	0.259	22.33	0	-14125	SLD 13	-14125	-13485	-74867	-29215	-29215	1	Si
36	0.259	15.21	0	1386	SLD 3	1386	11853	74718	29156	29156	1	Si
36	0.259	15.21	0	-14231	SLD 13	-14231	-11853	-74718	-29156	-29156	1	Si
54	0.259	15.21	0	1244	SLD 3	1244	11884	75125	29315	29315	1	Si
54	0.259	15.21	0	-14373	SLD 13	-14373	-11884	-75125	-29315	-29315	1	Si
72	0.259	15.21	0	1103	SLD 3	1103	11907	75418	29429	29429	1	Si
72	0.259	15.21	0	-14515	SLD 13	-14515	-11907	-75418	-29429	-29429	1	Si
81	0.259	15.21	0	1032	SLD 3	1032	11934	75769	29566	29566	1	Si
81	0.259	15.21	0	-14586	SLD 13	-14586	-11934	-75769	-29566	-29566	1	Si
99	0.272	15.21	0	890	SLD 3	890	12021	76908	31580	31580	1	Si
99	0.272	15.21	0	-14727	SLD 13	-14727	-12021	-76908	-31580	-31580	1	Si
117	0.272	15.21	0	748	SLD 3	748	12021	76908	31580	31580	1	Si
117	0.272	15.21	0	-14869	SLD 13	-14869	-12021	-76908	-31580	-31580	1	Si
135	0.272	15.21	0	607	SLD 3	607	12021	76908	31580	31580	1	Si
135	0.272	15.21	0	-15011	SLD 13	-15011	-12021	-76908	-31580	-31580	1	Si
153	0.272	15.21	0	465	SLD 3	465	12021	76908	31580	31580	1	Si
153	0.272	11.4	0	-15153	SLD 13	-15153	-10922	-76908	-31580	-31580	1	Si
171	0.272	15.21	0	323	SLD 3	323	12021	76908	31580	31580	1	Si
171	0.272	11.4	0	-15294	SLD 13	-15294	-10822	-75471	-30990	-30990	1	Si
189	0.273	15.21	0	181	SLD 3	181	12021	76908	31678	31678	1	Si
189	0.273	11.4	0	-15436	SLD 13	-15436	-10806	-75249	-30995	-30995	1	Si
207	0.273	15.21	0	40	SLD 3	40	12021	76908	31678	31678	1	Si
207	0.273	11.4	0	-15578	SLD 13	-15578	-10798	-75123	-30943	-30943	1	Si
216	0.273	11.4	0	-15649	SLD 13	-15649	-10798	-75123	-30943	-30943	1	Si
234	0.273	22.95	0	-15790	SLD 13	-15790	-13633	-75123	-30943	-30943	1	Si
247	0.273	25.07	0	-15897	SLD 13	-15897	-14040	-75123	-30943	-30943	1	Si
252	0	27.19	0	-15932	SLD 13	-15932	-14425	-75123	0	-14425	1	Si
270	0	30.41	0	-16074	SLD 13	-16074	-14973	-75123	0	-14973	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	1180585	3	1109028	30.1	124.5	782.3	1837	1134854	2	1065710	28.9	93.4	0	+∞	Si
18	1064945	3	1062006	28.8	124.5	749.1	1837	1023075	2	1020233	27.7	93.4	0	+∞	Si
23	1035556	3	1035556	28.1	124.5	730.5	1837	994652	2	994652	27	93.4	0	+∞	Si
36	946752	3	1035556	28.8	124.5	784.9	1837	908745	2	994652	27.6	93.4	0	+∞	Si
54	826009	3	1019686	26.8	124.5	661.1	1837	791864	2	979304	25.8	93.4	0	+∞	Si
72	702713	3	900512	25.3	124.5	719	1837	672431	2	863992	24.3	93.4	0	+∞	Si
81	640109	3	839968	23.6	124.5	678.4	1837	611758	2	805379	22.6	93.4	0	+∞	Si
99	512986	3	716966	22.3	124.5	806.2	1837	488498	2	686239	21.4	93.4	0	+∞	Si
117	383312	3	591412	18.4	124.5	665	1837	362686	2	564548	17.6	93.4	0	+∞	Si
135	251087	3	463307	14.4	124.5	521	1837	234323	2	440306	13.7	93.4	0	+∞	Si
153	116310	3	332651	10.4	124.5	374.1	1837	103409	2	313512	9.8	93.4	0	+∞	Si
171	-45718	6	-262425	7	124.5	207.5	1837	-42812	1	-256051	6.8	93.4	0	+∞	Si
189	-178878	8	-400241	10.2	124.5	271.4	1837	-174029	1	-391389	10	93.4	0	+∞	Si
207	-315125	8	-545975	12.9	124.5	332.8	1837	-307797	1	-533877	12.6	93.4	0	+∞	Si
216	-384206	8	-619916	14.5	124.5	377.3	1837	-375638	1	-606179	14.2	93.4	0	+∞	Si
234	-529002	9	-640013	14.5	124.5	388.4	1837	-517282	2	-625833	14.2	93.4	0	+∞	Si
247	-640013	9	-640013	14.5	124.5	388.3	1837	-625833	2	-625833	14.2	93.4	0	+∞	Si
252	-677229	9	-673507	15.3	124.5	408.6	1837	-662230	2	-658590	14.9	93.4	0	+∞	Si
270	-828007	9	-733053	16.6	124.5	444.7	1837	-809729	2	-716824	16.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
23	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.007	2	9999	Si
36	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
54	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.013	2	0.013	2	9999	Si
72	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.014	2	9999	Si
81	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.014	2	9999	Si
99	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.014	2	9999	Si
117	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.014	2	0.013	2	9999	Si
135	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.012	2	0.011	2	9999	Si
153	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.004	0.004	0.01	2	0.009	2	9999	Si
171	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
189	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.005	2	0.004	2	9999	Si
207	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
216	0.001	0	0.001	0	0	0	0.001	0	0	0	0.002	2	0.001	2	9999	Si
234	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
247	0	-0.001	0	0	0	-0.001	0	0	0	-0.001	0	2	-0.001	2	9999	Si
252	0	-0.001	0	0	0	-0.001	0	0	0	-0.001	0	2	-0.001	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-6316	-22233	-29215	SLV 13	0.37	764	1.029	994652	1482348	3130906	SLV 13	0.52	1827	1.472	Si
36	-6423	-22233	-29156	SLV 13	0.37	751	1.022	994652	1482348	2916446	SLV 13	0.47	1377	1.311	Si
54	-6564	-22233	-29315	SLV 13	0.37	752	1.023	979304	1439713	3394774	SLV 13	0.57	2474	1.666	Si
72	-6706	-22233	-29429	SLV 13	0.37	750	1.022	863992	1124231	2724109	SLV 13	0.57	2474	1.666	Si
81	-6777	-22233	-29566	SLV 13	0.37	756	1.025	805379	966738	2673588	SLV 13	0.57	2474	1.666	Si
99	-6919	-22233	-31580	SLV 13	0.4	916	1.109	686239	652456	1873055	SLV 13	0.57	2474	1.666	Si
117	-7060	-22233	-31580	SLV 13	0.4	903	1.102	154056	-747982	-1422107	SLV 15	0.57	2474	1.666	Si
135	-7202	-22233	-31580	SLV 13	0.4	891	1.096	21573	-1057801	-1422107	SLV 15	0.49	1579	1.386	Si
153	-7344	-22233	-31580	SLV 13	0.4	878	1.09	-113463	-1369739	-1422107	SLV 15	0.35	637	0.955	No
171	-7486	-22233	-30990	SLV 13	0.38	815	1.057	-251049	1683232	1929677	SLV 3	0.47	1375	1.31	Si
189	-7627	-22233	-30995	SLV 13	0.38	803	1.051	-391188	1997811	1950092	SLV 3	0.42	1054	1.174	Si
207	-7769	-22233	-30943	SLV 13	0.38	787	1.042	-533877	2313142	2404783	SLV 3	0.46	1305	1.282	Si
216	-7840	-22233	-30943	SLV 13	0.38	781	1.039	-606179	-2471015	-3580777	SLV 13	0.43	1132	1.209	Si
234	-7982	-22233	-30943	SLV 13	0.38	770	1.033	-625833	-2513664	-3580841	SLV 13	0.42	1063	1.179	Si
247	-8088	-22233	-30943	SLV 13	0.37	761	1.028	-625833	-2513664	-3580946	SLV 13	0.42	1063	1.179	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-6316	-7809	-29215	SLD 13	0.39	869	2.73	994652	655992	3130906	SLD 13	0.44	1140	3.052	Si
36	-6423	-7809	-29156	SLD 13	0.39	855	2.712	994652	655992	2916446	SLD 13	0.39	868	2.729	Si
54	-6564	-7809	-29315	SLD 13	0.39	856	2.714	979304	637124	3394774	SLD 13	0.5	1709	3.603	Si
72	-6706	-7809	-29429	SLD 13	0.39	853	2.71	863992	497510	2724109	SLD 13	0.5	1647	3.549	Si
81	-6777	-7809	-29566	SLD 13	0.39	860	2.719	805379	427813	2673588	SLD 13	0.57	2474	4.193	Si
99	-6919	-7809	-31580	SLD 13	0.42	1050	2.951	686239	288729	1873055	SLD 13	0.54	2121	3.936	Si
117	-7060	-7809	-31580	SLD 13	0.42	1034	2.932	154056	-331007	-1422107	SLD 15	0.6	2474	4.193	Si
135	-7202	-7809	-31580	SLD 13	0.42	1018	2.913	21573	-468116	-1422107	SLD 15	0.41	985	2.874	Si
153	-7344	-7809	-31580	SLD 13	0.42	1002	2.895	-113463	-606161	-1422107	SLD 15	0.29	421	2.029	Si
171	-7486	-7809	-30990	SLD 13	0.4	927	2.804	-235041	728901	1929677	SLD 3	0.4	897	2.766	Si
189	-7627	-7809	-30995	SLD 13	0.4	914	2.787	-391188	825585	1950092	SLD 1	0.38	802	2.642	Si
207	-7769	-7809	-30943	SLD 13	0.4	896	2.765	-533877	-1023654	-3580764	SLD 13	0.4	902	2.772	Si
216	-7840	-7809	-30943	SLD 13	0.4	889	2.756	-606179	-1093518	-3580777	SLD 13	0.37	724	2.533	Si
234	-7982	-7809	-30943	SLD 13	0.4	876	2.739	-625833	-1112392	-3580841	SLD 13	0.36	684	2.475	Si
247	-8088	-7809	-30943	SLD 13	0.39	866	2.727	-625833	-1112392	-3580946	SLD 13	0.36	684	2.475	Si

Campata 5 tra i fili 18 - 19, sezione R 45x70, asta 1005

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	6.9	22.81	5.4	781853	SLU 30	684381	2862523	0.114						Si
19	30.41	6.9	22.81	5.4	614090	SLU 30	611847	2862523	0.114						Si
23	30.41	6.9	22.81	5.4	584424	SLU 30	584424	2862523	0.114						Si
38	30.41	6.9	22.81	5.4	442567	SLU 30	584424	2862523	0.114						Si
57	30.41	6.9	20.75	5.4	267283	SLU 30	531647	2620614	0.111	182020	SLU 6	-12720	-3580932	0.109	Si
77	30.41	6.9	15.21	5.4	91911	SLU 20	358306	1965538	0.102	60393	SLU 17	-190511	-3580208	0.117	Si
86	30.41	6.9	15.21	5.4	14216	SLU 19	270225	1965538	0.102	-10300	SLU 18	-284296	-3580208	0.117	Si
105	30.41	6.9	15.21	5.4	-112524	SLU 1	94764	1965538	0.102	-187381	SLU 30	-474687	-3580208	0.117	Si
125	30.41	6.9	15.21	5.4						-375828	SLU 30	-668838	-3580208	0.117	Si
144	30.41	6.9	15.21	5.4						-568036	SLU 30	-866750	-3580208	0.117	Si
163	30.41	6.9	15.21	5.4						-764005	SLU 30	-1068423	-3580208	0.117	Si
182	30.41	6.9	15.21	5.4						-963734	SLU 30	-1273856	-3580208	0.117	Si
201	30.41	6.9	15.21	5.4						-1167225	SLU 30	-1483051	-3580208	0.117	Si
211	30.41	6.9	15.21	5.4						-1270381	SLU 30	-1589059	-3580208	0.117	Si
220	35.51	6.7	18.37	5.4						-1374476	SLU 30	-1696007	-4180712	0.128	Si
230	36.87	6.6	19.66	5.4						-1479512	SLU 30	-1803895	-4340748	0.128	Si
249	39.58	6.6	22.24	5.4						-1692405	SLU 30	-1871216	-4660850	0.129	Si
265	41.81	6.5	22.81	5.4						-1871216	SLU 30	-1871216	-4920606	0.141	Si
268	41.81	6.5	22.81	5.4						-1909059	SLU 30	-1906302	-4920606	0.141	Si
287	41.81	6.5	22.81	5.4						-2129473	SLU 30	-1999102	-4920606	0.141	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	6.9	22.81	5.4	2916109	SLV 15	2629570	2862523	0.114	-1792698	SLV 1	-1644329	-3580946	0.107	Si
19	30.41	6.9	22.81	5.4	2426540	SLV 15	2420186	2862523	0.114	-1541142	SLV 1	-1537981	-3580946	0.107	Si
23	30.41	6.9	22.81	5.4	2341024	SLV 15	2341024	2862523	0.114	-1497774	SLV 1	-1497774	-3580946	0.107	Si
38	30.41	6.9	22.81	5.4	1934109	SLV 15	2341024	2862523	0.114	-1292511	SLV 1	-1497774	-3580946	0.107	Si
57	30.41	6.9	20.75	5.4	1438840	SLV 15	2188891	2620614	0.111	-1046827	SLV 1	-1420623	-3580932	0.109	Si
77	30.41	6.9	15.21	5.4	940784	SLV 15	1695084	1965538	0.102	-804142	SLV 1	-1173413	-3580208	0.117	Si
86	30.41	6.9	15.21	5.4	690749	SLV 15	1447121	1965538	0.102	-683962	SLV 1	-1050916	-3580208	0.117	Si
105	30.41	6.9	15.21	5.4	188902	SLV 15	949111	1965538	0.102	-446165	SLV 1	-808181	-3580208	0.117	Si
125	30.41	6.9	15.21	5.4	-179109	SLV 3	448461	1965538	0.102	-347991	SLV 13	-1094459	-3580208	0.117	Si
144	30.41	6.9	15.21	5.4	30500	SLV 3	373858	1965538	0.102	-833221	SLV 13	-1605680	-3580208	0.117	Si
163	30.41	6.9	15.21	5.4	256773	SLV 1	598837	1965538	0.102	-1340903	SLV 15	-2120842	-3580208	0.117	Si
182	30.41	6.9	15.21	5.4	482906	SLV 1	821206	1965538	0.102	-1854229	SLV 15	-2639181	-3580208	0.117	Si
201	30.41	6.9	15.21	5.4	706661	SLV 1	1040797	1965538	0.102	-2370964	SLV 15	-3160527	-3580208	0.117	Si
211	30.41	6.9	15.21	5.4	817527	SLV 1	1149532	1965538	0.102	-2630490	SLV 15	-3422309	-3580208	0.117	Si
220	35.51	6.7	18.37	5.4	927699	SLV 1	1257553	2339954	0.102	-2890767	SLV 15	-3684825	-4180712	0.128	Si
230	36.87	6.6	19.66	5.4	1037166	SLV 1	1364860	2492502	0.103	-3151787	SLV 15	-3948072	-4340748	0.128	Si
249	39.58	6.6	22.24	5.4	1253969	SLV 1	1430830	2797615	0.103	-3676035	SLV 15	-4111400	-4660850	0.129	Si
265	41.81	6.5	22.81	5.4	1430830	SLV 1	1430830	2864315	0.102	-4111400	SLV 15	-4111400	-4920606	0.141	Si
268	41.81	6.5	22.81	5.4	1467913	SLV 1	1465143	2864315	0.102	-4203210	SLV 15	-4196457	-4920606	0.141	Si
287	41.81	6.5	22.81	5.4	1678985	SLV 1	1555901	2864315	0.102	-4733298	SLV 15	-4421431	-4920606	0.141	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	6.9	22.81	5.4	1603623	SLD 15	1438306	2862523	0.114	-480212	SLD 1	-453065	-3580946	0.107	Si
19	30.41	6.9	22.81	5.4	1320628	SLD 15	1316926	2862523	0.114	-435230	SLD 1	-434721	-3580946	0.107	Si
23	30.41	6.9	22.81	5.4	1271035	SLD 15	1271035	2862523	0.114	-427786	SLD 1	-427786	-3580946	0.107	Si
38	30.41	6.9	22.81	5.4	1034753	SLD 15	1271035	2862523	0.114	-393155	SLD 1	-427786	-3580946	0.107	Si
57	30.41	6.9	20.75	5.4	746010	SLD 15	1182811	2620614	0.111	-353997	SLD 1	-414543	-3580932	0.109	Si
77	30.41	6.9	15.21	5.4	454421	SLD 15	895548	1965538	0.102	-317779	SLD 1	-373876	-3580208	0.117	Si
86	30.41	6.9	15.21	5.4	307576	SLD 15	750843	1965538	0.102	-300789	SLD 1	-354639	-3580208	0.117	Si
105	30.41	6.9	15.21	5.4	11889	SLD 15	459301	1965538	0.102	-269153	SLD 1	-449501	-3580208	0.117	Si
125	30.41	6.9	15.21	5.4	-226182	SLD 3	164978	1965538	0.102	-300918	SLD 13	-748417	-3580208	0.117	Si
144	30.41	6.9	15.21	5.4						-592476	SLD 13	-1053923	-3580208	0.117	Si
163	30.41	6.9	15.21	5.4						-895582	SLD 15	-1362786	-3580208	0.117	Si
182	30.41	6.9	15.21	5.4						-1202800	SLD 15	-1674667	-3580208	0.117	Si
201	30.41	6.9	15.21	5.4						-1513137	SLD 15	-1989492	-3580208	0.117	Si
211	30.41	6.9	15.21	5.4						-1669424	SLD 15	-2148000	-3580208	0.117	Si
220	35.51	6.7	18.37	5.4						-1826446	SLD 15	-2307236	-4180712	0.128	Si
230	36.87	6.6	19.66	5.4						-1984200	SLD 15	-2467198	-4340748	0.128	Si
249	39.58	6.6	22.24	5.4						-2301895	SLD 15	-2566614	-4660850	0.129	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
265	41.81	6.5	22.81	5.4						-2566614	SLD 15	-2566614	-4920606	0.141	Si
268	41.81	6.5	22.81	5.4						-2622498	SLD 15	-2618399	-4920606	0.141	Si
287	41.81	6.5	22.81	5.4						-2946002	SLD 15	-2755369	-4920606	0.141	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.46	0	-8655	SLU 30	-8655	-13051	-76908	0	-13051	1	Si
19	0	15.21	0	-8851	SLU 30	-8851	-12021	-76908	0	-12021	1	Si
23	0.287	15.21	0	-8885	SLU 30	-8885	-12021	-76908	-33345	-33345	1	Si
38	0.287	15.21	0	-9047	SLU 30	-9047	-12021	-76908	-33345	-33345	1	Si
57	0.287	15.21	0	-9243	SLU 30	-9243	-12021	-76908	-33345	-33345	1	Si
77	0.287	15.21	0	-9440	SLU 30	-9440	-12021	-76908	-33345	-33345	1	Si
86	0.287	30.41	0	-9538	SLU 30	-9538	-14973	-75123	-32571	-32571	1	Si
105	0.284	30.41	0	-9734	SLU 30	-9734	-14973	-75123	-32253	-32253	1	Si
125	0.284	30.41	0	-9930	SLU 30	-9930	-14973	-75123	-32253	-32253	1	Si
144	0.284	30.41	0	-10126	SLU 30	-10126	-14973	-75123	-32253	-32253	1	Si
163	0.284	30.41	0	-10323	SLU 30	-10323	-14973	-75123	-32253	-32253	1	Si
182	0.284	30.41	0	-10519	SLU 30	-10519	-14973	-75123	-32253	-32253	1	Si
201	0.287	30.41	0	-10715	SLU 30	-10715	-14973	-75123	-32571	-32571	1	Si
220	0.287	30.41	0	-10911	SLU 30	-10911	-14998	-75379	-32682	-32682	1	Si
230	0.287	30.41	0	-11009	SLU 30	-11009	-15003	-75435	-32707	-32707	1	Si
249	0.287	30.41	0	-11206	SLU 30	-11206	-15013	-75536	-32751	-32751	1	Si
265	0.287	30.41	0	-11368	SLU 30	-11368	-15020	-75610	-32782	-32782	1	Si
268	0	30.41	0	-11402	SLU 30	-11402	-15020	-75610	0	-15020	1	Si
278	0	30.41	0	-11500	SLU 30	-11500	-15020	-75610	0	-15020	1	Si
287	0	35.51	0	-11598	SLU 30	-11598	-15817	-75610	0	-15817	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	13204	SLV 1	18232	14973	75123	0	14973	1	Si
0	0	19.46	0	-25471	SLV 15	-30499	-13051	-76908	0	-13051	1	Si
19	0	30.41	0	13053	SLV 1	18081	14973	75123	0	14973	1	Si
19	0	15.21	0	-25622	SLV 15	-30650	-12021	-76908	0	-12021	1	Si
23	0.287	30.41	0	13027	SLV 1	18055	14973	75123	32571	32571	1	Si
23	0.287	15.21	0	-25649	SLV 15	-30676	-12021	-76908	-33345	-33345	1	Si
38	0.287	30.41	0	12902	SLV 1	17930	14973	75123	32571	32571	1	Si
38	0.287	15.21	0	-25773	SLV 15	-30801	-12021	-76908	-33345	-33345	1	Si
57	0.287	30.41	0	12751	SLV 1	17779	14973	75123	32571	32571	1	Si
57	0.287	15.21	0	-25924	SLV 15	-30952	-12021	-76908	-33345	-33345	1	Si
77	0.287	30.41	0	12601	SLV 1	17628	14973	75123	32571	32571	1	Si
77	0.287	15.21	0	-26075	SLV 15	-31103	-12021	-76908	-33345	-33345	1	Si
86	0.287	30.41	0	12525	SLV 1	17553	14973	75123	32571	32571	1	Si
86	0.287	15.21	0	-26151	SLV 15	-31178	-12021	-76908	-33345	-33345	1	Si
105	0.284	30.41	0	12374	SLV 1	17402	14973	75123	32253	32253	1	Si
105	0.284	15.21	0	-26302	SLV 15	-31329	-12021	-76908	-33020	-33020	1	Si
125	0.284	30.41	0	12223	SLV 1	17251	14973	75123	32253	32253	1	Si
125	0.284	30.41	0	-26453	SLV 15	-31480	-14973	-75123	-32253	-32253	1	Si
144	0.284	15.21	0	12072	SLV 1	17100	12021	76908	33020	33020	1	Si
144	0.284	30.41	0	-26603	SLV 15	-31631	-14973	-75123	-32253	-32253	1	Si
163	0.284	15.21	0	11921	SLV 1	16949	12021	76908	33020	33020	1	Si
163	0.284	30.41	0	-26754	SLV 15	-31782	-14973	-75123	-32253	-32253	1	Si
182	0.284	15.21	0	11770	SLV 1	16798	12021	76908	33020	33020	1	Si
182	0.284	30.41	0	-26905	SLV 15	-31933	-14973	-75123	-32253	-32253	1	Si
201	0.287	15.21	0	11619	SLV 1	16647	12021	76908	33345	33345	1	Si
201	0.287	30.41	0	-27056	SLV 15	-32084	-14973	-75123	-32571	-32571	1	Si
220	0.287	15.21	0	11468	SLV 1	16496	12021	76908	33345	33345	1	Si
220	0.287	30.41	0	-27207	SLV 15	-32235	-14998	-75379	-32682	-32682	1	Si
230	0.287	15.21	0	11393	SLV 1	16421	12021	76908	33345	33345	1	Si
230	0.287	30.41	0	-27283	SLV 15	-32311	-15003	-75435	-32707	-32707	1	Si
249	0.287	15.21	0	11242	SLV 1	16270	12021	76908	33345	33345	1	Si
249	0.287	30.41	0	-27434	SLV 15	-32461	-15013	-75536	-32751	-32751	1	Si
265	0.287	15.21	0	11117	SLV 1	16145	12021	76908	33345	33345	1	Si
265	0.287	30.41	0	-27558	SLV 15	-32586	-15020	-75610	-32782	-32782	1	Si
268	0	15.21	0	11091	SLV 1	16119	12021	76908	0	12021	1	Si
268	0	30.41	0	-27585	SLV 15	-32612	-15020	-75610	0	-15020	1	Si
287	0	18.37	0	10940	SLV 1	15968	12803	76908	0	12803	1	Si
287	0	35.51	0	-27735	SLV 15	-32763	-15817	-75610	0	-15817	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	2424	SLD 1	2424	14973	75123	0	14973	1	Si
0	0	19.46	0	-14691	SLD 15	-14691	-13051	-76908	0	-13051	1	Si
19	0	30.41	0	2273	SLD 1	2273	14973	75123	0	14973	1	Si
19	0	15.21	0	-14842	SLD 15	-14842	-12021	-76908	0	-12021	1	Si
23	0.287	30.41	0	2247	SLD 1	2247	14973	75123	32571	32571	1	Si
23	0.287	15.21	0	-14869	SLD 15	-14869	-12021	-76908	-33345	-33345	1	Si
38	0.287	30.41	0	2122	SLD 1	2122	14973	75123	32571	32571	1	Si
38	0.287	15.21	0	-14993	SLD 15	-14993	-12021	-76908	-33345	-33345	1	Si
57	0.287	30.41	0	1971	SLD 1	1971	14973	75123	32571	32571	1	Si
57	0.287	15.21	0	-15144	SLD 15	-15144	-12021	-76908	-33345	-33345	1	Si
77	0.287	30.41	0	1820	SLD 1	1820	14973	75123	32571	32571	1	Si
77	0.287	15.21	0	-15295	SLD 15	-15295	-12021	-76908	-33345	-33345	1	Si
86	0.287	30.41	0	1745	SLD 1	1745	14973	75123	32571	32571	1	Si
86	0.287	15.21	0	-15371	SLD 15	-15371	-12021	-76908	-33345	-33345	1	Si
105	0.284	30.41	0	1594	SLD 1	1594	14973	75123	32253	32253	1	Si
105	0.284	15.21	0	-15521	SLD 15	-15521	-12021	-76908	-33020	-33020	1	Si
125	0.284	30.41	0	1443	SLD 1	1443	14973	75123	32253	32253	1	Si
125	0.284	30.41	0	-15672	SLD 15	-15672	-14973	-75123	-32253	-32253	1	Si
144	0.284	30.41	0	1292	SLD 1	1292	14973	75123	32253	32253	1	Si
144	0.284	30.41	0	-15823	SLD 15	-15823	-14973	-75123	-32253	-32253	1	Si
163	0.284	30.41	0	1141	SLD 1	1141	14973	75123	32253	32253	1	Si
163	0.284	30.41	0	-15974	SLD 15	-15974	-14973	-75123	-32253	-32253	1	Si
182	0.284	30.41	0	990	SLD 1	990	14973	75123	32253	32253	1	Si
182	0.284	30.41	0	-16125	SLD 15	-16125	-14973	-75123	-32253	-32253	1	Si
201	0.287	30.41	0	839	SLD 1	839	14973	75123	32571	32571	1	Si
201	0.287	30.41	0	-16276	SLD 15	-16276	-14973	-75123	-32571	-32571	1	Si
220	0.287	30.41	0	688	SLD 1	688	14998	75379	32682	32682	1	Si
220	0.287	30.41	0	-16427	SLD 15	-16427	-14998	-75379	-32682	-32682	1	Si
230	0.287	30.41	0	613	SLD 1	613	15003	75435	32707	32707	1	Si
230	0.287	30.41	0	-16503	SLD 15	-16503	-15003	-75435	-32707	-32707	1	Si
249	0.287	30.41	0	462	SLD 1	462	15013	75536	32751	32751	1	Si
249	0.287	30.41	0	-16654	SLD 15	-16654	-15013	-75536	-32751	-32751	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
265	0.287	30.41	0	337	SLD 1	337	15020	75610	32782	32782	1	Si
265	0.287	30.41	0	-16778	SLD 15	-16778	-15020	-75610	-32782	-32782	1	Si
268	0	30.41	0	311	SLD 1	311	15020	75610	0	15020	1	Si
268	0	30.41	0	-16804	SLD 15	-16804	-15020	-75610	0	-15020	1	Si
287	0	35.51	0	160	SLD 1	160	15817	75610	0	15817	1	Si
287	0	35.51	0	-16955	SLD 15	-16955	-15817	-75610	0	-15817	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	586069	3	513433	11.8	124.5	388.7	1837	561706	2	492621	11.3	93.4	0	+∞	Si
19	461012	3	459337	10.5	124.5	347.7	1837	442699	2	441102	10.1	93.4	0	+∞	Si
23	438885	3	438885	10.1	124.5	332.2	1837	421625	2	421625	9.7	93.4	0	+∞	Si
38	333062	3	438885	10.1	124.5	332.2	1837	320799	2	421625	9.7	93.4	0	+∞	Si
57	202218	3	399522	9.4	124.5	331.5	1837	196007	2	384134	9.1	93.4	0	+∞	Si
77	68729	2	270174	7.1	124.5	303.2	1837	68321	2	260836	6.9	93.4	0	+∞	Si
86	6868	1	204415	5.4	124.5	229.4	1837	6868	1	198102	5.2	93.4	0	+∞	Si
86	-1052	9	-210035	5.2	124.5	128.7	1837								Si
105	-137546	3	-352498	8.7	124.5	216	1837	-128632	2	-334407	8.3	93.4	0	+∞	Si
125	-278515	3	-497854	12.3	124.5	305.1	1837	-263550	2	-473712	11.7	93.4	0	+∞	Si
144	-422376	3	-646104	16	124.5	395.9	1837	-401361	2	-615911	15.2	93.4	0	+∞	Si
163	-569131	3	-797246	19.7	124.5	488.5	1837	-542065	2	-761003	18.8	93.4	0	+∞	Si
182	-718778	3	-951281	23.5	124.5	582.9	1837	-685662	2	-908987	22.5	93.4	0	+∞	Si
201	-871319	3	-1108209	27.4	124.5	679.1	1837	-832152	2	-1059865	26.2	93.4	0	+∞	Si
220	-1026752	3	-1268030	28.8	124.5	662.1	1837	-981534	2	-1213636	27.5	93.4	0	+∞	Si
230	-1105554	3	-1349026	29.8	124.5	677.3	1837	-1057311	2	-1291606	28.5	93.4	0	+∞	Si
249	-1265327	3	-1399577	29.4	124.5	652.5	1837	-1211033	2	-1340285	28.2	93.4	0	+∞	Si
265	-1399577	3	-1399577	28.8	124.5	617.4	1837	-1340285	2	-1340285	27.6	93.4	0	+∞	Si
268	-1427992	3	-1425923	29.3	124.5	629	1837	-1367648	2	-1365657	28.1	93.4	0	+∞	Si
287	-1593551	3	-1495608	30.8	124.5	659.7	1837	-1527157	2	-1432765	29.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
38	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
57	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.006	1	-0.007	1	9999	Si
77	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.009	1	-0.01	1	9999	Si
86	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.011	1	-0.012	1	9999	Si
105	-0.007	-0.009	-0.006	-0.007	-0.007	-0.008	-0.006	-0.007	-0.007	-0.008	-0.014	1	-0.015	1	9999	Si
125	-0.009	-0.01	-0.008	-0.009	-0.009	-0.01	-0.008	-0.008	-0.009	-0.01	-0.017	1	-0.018	1	9999	Si
144	-0.01	-0.012	-0.009	-0.01	-0.01	-0.011	-0.009	-0.01	-0.01	-0.011	-0.019	1	-0.021	1	9999	Si
163	-0.012	-0.013	-0.01	-0.011	-0.012	-0.012	-0.01	-0.01	-0.012	-0.012	-0.021	1	-0.023	1	9999	Si
182	-0.012	-0.014	-0.01	-0.011	-0.012	-0.013	-0.01	-0.011	-0.012	-0.013	-0.022	1	-0.024	1	9999	Si
201	-0.012	-0.013	-0.01	-0.011	-0.012	-0.013	-0.01	-0.011	-0.012	-0.013	-0.022	1	-0.023	1	9999	Si
220	-0.011	-0.012	-0.009	-0.01	-0.011	-0.012	-0.009	-0.01	-0.011	-0.012	-0.02	1	-0.021	1	9999	Si
230	-0.01	-0.012	-0.008	-0.009	-0.01	-0.011	-0.008	-0.009	-0.01	-0.011	-0.018	1	-0.02	1	9999	Si
249	-0.008	-0.009	-0.007	-0.007	-0.008	-0.009	-0.007	-0.007	-0.008	-0.009	-0.014	1	-0.015	1	9999	Si
265	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.009	1	-0.01	1	9999	Si
268	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.008	1	-0.009	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-6311	-24366	-33345	SLV 15	0.4	917	1.109	421625	1919399	2862523	SLV 15	0.46	1309	1.284	Si
38	-6435	-24366	-33345	SLV 15	0.4	907	1.104	421625	1919399	2862523	SLV 15	0.46	1309	1.284	Si
57	-6586	-24366	-33345	SLV 15	0.4	894	1.098	384134	1804757	2620614	SLV 15	0.45	1222	1.248	Si
77	-6737	-24366	-33345	SLV 15	0.4	882	1.092	260836	1434249	1965538	SLV 15	0.43	1094	1.193	Si
86	-6813	-24366	-33345	SLV 15	0.39	876	1.089	198102	1249019	1965538	SLV 15	0.51	1740	1.442	Si
105	-6964	-24366	-33020	SLV 15	0.39	838	1.069	70465	878646	1965538	SLV 15	0.57	2474	1.666	Si
125	-7115	-24366	-32253	SLV 15	0.37	768	1.032	-473712	620746	1965538	SLV 1	0.57	2474	1.666	Si
144	-7266	-24366	-32253	SLV 15	0.37	757	1.025	-615911	989769	1965538	SLV 1	0.57	2474	1.666	Si
163	-7417	-24366	-32253	SLV 15	0.37	745	1.019	-761003	1359840	1965538	SLV 1	0.57	2474	1.666	Si
182	-7567	-24366	-32253	SLV 15	0.37	734	1.013	-908987	-1730194	-3580208	SLV 15	0.55	2196	1.587	Si
201	-7718	-24366	-32571	SLV 15	0.37	747	1.02	-1059865	-2100662	-3580208	SLV 15	0.43	1122	1.205	Si
220	-7869	-24366	-32682	SLV 15	0.37	744	1.018	-1213636	-2471189	-4180712	SLV 15	0.43	1124	1.206	Si
230	-7945	-24366	-32707	SLV 15	0.37	740	1.016	-1291606	-2656466	-4340748	SLV 15	0.42	998	1.148	Si
249	-8096	-24366	-32751	SLV 15	0.37	732	1.011	-1340285	-2771115	-4660850	SLV 15	0.43	1118	1.203	Si
265	-8220	-24366	-32782	SLV 15	0.37	725	1.007	-1340285	-2771115	-4920606	SLV 15	0.46	1365	1.306	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-6311	-8558	-33345	SLD 15	0.42	1051	2.952	421625	849411	2862523	SLD 15	0.39	828	2.677	Si
38	-6435	-8558	-33345	SLD 15	0.42	1039	2.938	421625	849411	2862523	SLD 15	0.39	828	2.677	Si
57	-6586	-8558	-33345	SLD 15	0.42	1022	2.918	384134	798677	2620614	SLD 15	0.38	777	2.608	Si
77	-6737	-8558	-33345	SLD 15	0.42	1007	2.9	260836	634712	1965538	SLD 15	0.36	702	2.502	Si
86	-6813	-8558	-33345	SLD 15	0.42	999	2.891	198102	552741	1965538	SLD 15	0.43	1086	2.992	Si
105	-6964	-8558	-33020	SLD 15	0.41	954	2.837	70465	388836	1965538	SLD 15	0.6	2474	4.193	Si
125	-7115	-8558	-32253	SLD 15	0.39	874	2.737	-473712	274705	1965538	SLD 1	0.6	2474	4.193	Si
144	-7266	-8558	-32253	SLD 15	0.39	861	2.72	-615911	438012	1965538	SLD 1	0.6	2474	4.193	Si
163	-7417	-8558	-32253	SLD 15	0.39	848	2.703	-761003	601783	1965538	SLD 1	0.6	2474	4.193	Si
182	-7567	-8558	-32253	SLD 15	0.39	835	2.686	-908987	-765680	-3580208	SLD 15	0.47	1369	3.29	Si
201	-7718	-8558	-32571	SLD 15	0.39	850	2.706	-1059865	-929627	-3580208	SLD 15	0.37	718	2.525	Si
220	-7869	-8558	-32682	SLD 15	0.39	847	2.702	-1213636	-1093600	-4180712	SLD 15	0.37	719	2.526	Si
230	-7945	-8558	-32707	SLD 15	0.39	842	2.695	-1291606	-1175592	-4340748	SLD 15	0.35	645	2.416	Si
249	-8096	-8558	-32751	SLD 15	0.39	833	2.683	-1340285	-1226329	-4660850	SLD 15	0.36	716	2.522	Si
265	-8220	-8558	-32782	SLD 15	0.39	825	2.673	-1340285	-1226329	-4920606	SLD 15	0.39	860	2.719	Si

Campata 6 tra i fili 19 - 20, sezione R 45x70, asta 1006

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	41.81	6.5	22.81	5.4						-1157603	SLU 30	-1078949	-4920606	0.141	Si
20	41.81	6.5	22.81	5.4						-1016275	SLU 30	-1015737	-4920606	0.141	Si
23	41.81	6.5	22.81	5.4						-1002801	SLU 30	-1002801	-4920606	0.141	Si
41	39.2	6.6	22.81	5.4						-879249	SLU 30	-1002801	-4618098	0.122	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
61	36.3	6.7	22.31	5.4						-746525	SLU 30	-936083	-4276562	0.115	Si
82	30.41	6.9	19.55	5.4						-618104	SLU 30	-801561	-3580783	0.11	Si
92	30.41	6.9	15.21	5.4						-555507	SLU 30	-735913	-3580208	0.117	Si
113	26.25	6.8	15.21	5.4						-433539	SLU 30	-607844	-3109041	0.108	Si
133	21.42	6.5	15.21	5.4						-315873	SLU 30	-484078	-2560899	0.1	Si
154	11.4	5.4	15.21	5.4						-202510	SLU 30	-364614	-1422107	0.084	Si
174	11.4	5.4	15.21	5.4	-68947	SLU 18	61903	1873055	0.09	-100921	SLU 19	-249452	-1422107	0.084	Si
195	11.4	5.4	15.21	5.4	23946	SLU 12	152412	1873055	0.09	-37914	SLU 19	-138593	-1422107	0.084	Si
215	14.53	5.4	15.21	5.4	113914	SLU 12	246767	1872797	0.089	20790	SLU 19	-63805	-1792987	0.088	Si
236	16.46	5.4	21.72	5.4	207919	SLU 30	336820	2644322	0.097	67845	SLU 1	-3302	-2021651	0.089	Si
246	17.43	5.4	23.79	5.4	254383	SLU 30	380234	2889179	0.1						Si
266	19.01	5.4	26.61	5.4	344083	SLU 30	421255	3222510	0.102						Si
285	19.01	5.4	26.61	5.4	421255	SLU 30	421255	3222510	0.102						Si
287	19.01	5.4	26.61	5.4	429481	SLU 30	429055	3222510	0.102						Si
307	19.01	5.4	26.61	5.4	510577	SLU 30	467170	3222510	0.102						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	41.81	6.5	22.81	5.4	2730194	SLV 15	2505893	2864315	0.102	-4275432	SLV 1	-3979499	-4920606	0.141	Si
20	41.81	6.5	22.81	5.4	2409587	SLV 13	2405534	2864315	0.102	-3765694	SLV 3	-3760937	-4920606	0.141	Si
23	41.81	6.5	22.81	5.4	2378071	SLV 13	2378071	2864315	0.102	-3716210	SLV 3	-3716210	-4920606	0.141	Si
41	39.2	6.6	22.81	5.4	2085738	SLV 13	2378071	2864371	0.104	-3259333	SLV 3	-3716210	-4618098	0.122	Si
61	36.3	6.7	22.31	5.4	1758686	SLV 13	2221460	2805260	0.106	-2756388	SLV 3	-3470662	-4276562	0.115	Si
82	30.41	6.9	19.55	5.4	1428508	SLV 13	1895741	2478791	0.109	-2256937	SLV 3	-2966284	-3580783	0.11	Si
92	30.41	6.9	15.21	5.4	1262294	SLV 13	1731690	1965538	0.102	-2008568	SLV 3	-2715385	-3580208	0.117	Si
113	26.25	6.8	15.21	5.4	927818	SLV 13	1401265	1945634	0.1	-1514746	SLV 3	-2216229	-3109041	0.108	Si
133	21.42	6.5	15.21	5.4	591334	SLV 13	1067912	1922186	0.097	-1025536	SLV 3	-1720763	-2560899	0.1	Si
154	11.4	5.4	15.21	5.4	255484	SLV 13	732133	1873055	0.09	-543578	SLV 3	-1229490	-1422107	0.084	Si
174	11.4	5.4	15.21	5.4	-1645	SLV 5	642222	1873055	0.09	-146960	SLV 11	-744041	-1422107	0.084	Si
195	11.4	5.4	15.21	5.4	442839	SLV 1	1117831	1873055	0.09	-458575	SLV 15	-956613	-1422107	0.084	Si
215	14.53	5.4	15.21	5.4	919326	SLV 1	1590812	1872797	0.089	-808811	SLV 15	-1312729	-1792987	0.088	Si
225	15.5	5.4	15.21	5.4	1156745	SLV 1	1826190	1872739	0.088	-985587	SLV 15	-1492156	-1907523	0.089	Si
236	16.46	5.4	21.72	5.4	1393484	SLV 1	2060794	2644322	0.097	-1163337	SLV 15	-1672465	-2021651	0.089	Si
246	17.43	5.4	23.79	5.4	1629495	SLV 1	2294611	2889179	0.1	-1342014	SLV 15	-1853641	-2135959	0.089	Si
266	19.01	5.4	26.61	5.4	2099226	SLV 1	2520361	3222510	0.102	-1702041	SLV 15	-2029987	-2322404	0.09	Si
285	19.01	5.4	26.61	5.4	2520361	SLV 1	2520361	3222510	0.102	-2029987	SLV 15	-2029987	-2322404	0.09	Si
287	19.01	5.4	26.61	5.4	2565802	SLV 1	2563765	3222510	0.102	-2065533	SLV 15	-2064030	-2322404	0.09	Si
307	19.01	5.4	26.61	5.4	3029163	SLV 1	2775865	3222510	0.102	-2432428	SLV 15	-2230383	-2322404	0.09	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	41.81	6.5	22.81	5.4	777511	SLD 15	678258	2864315	0.102	-2322749	SLD 1	-2162388	-4920606	0.141	Si
20	41.81	6.5	22.81	5.4	688347	SLD 13	686749	2864315	0.102	-2044454	SLD 3	-2042152	-4920606	0.141	Si
23	41.81	6.5	22.81	5.4	679407	SLD 13	679407	2864315	0.102	-2017547	SLD 3	-2017547	-4920606	0.141	Si
41	39.2	6.6	22.81	5.4	595902	SLD 13	679407	2864371	0.104	-1769498	SLD 3	-2017547	-4618098	0.122	Si
61	36.3	6.7	22.31	5.4	500196	SLD 13	634891	2805260	0.106	-1497899	SLD 3	-1884093	-4276562	0.115	Si
72	30.41	6.9	20.93	5.4	451129	SLD 13	588126	2641938	0.111	-1363367	SLD 3	-1747171	-3580789	0.108	Si
82	30.41	6.9	19.55	5.4	401261	SLD 13	540545	2478791	0.109	-1229690	SLD 3	-1611088	-3580783	0.11	Si
92	30.41	6.9	15.21	5.4	350604	SLD 13	492154	1965538	0.102	-1096878	SLD 3	-1475849	-3580208	0.117	Si
113	26.25	6.8	15.21	5.4	247000	SLD 13	392958	1945634	0.1	-833928	SLD 3	-1207922	-3109041	0.108	Si
133	21.42	6.5	15.21	5.4	140662	SLD 13	290623	1922186	0.097	-574864	SLD 3	-943474	-2560899	0.1	Si
154	11.4	5.4	15.21	5.4	32761	SLD 13	185368	1873055	0.09	-320855	SLD 3	-682725	-1422107	0.084	Si
174	11.4	5.4	15.21	5.4	-42149	SLD 5	294727	1873055	0.09	-106457	SLD 11	-426399	-1422107	0.084	Si
195	11.4	5.4	15.21	5.4	191588	SLD 1	539621	1873055	0.09	-207324	SLD 15	-378402	-1422107	0.084	Si
215	14.53	5.4	15.21	5.4	437642	SLD 1	781507	1872797	0.089	-327127	SLD 15	-503424	-1792987	0.088	Si
236	16.46	5.4	21.72	5.4	680820	SLD 1	1020221	2644322	0.097	-450673	SLD 15	-631892	-2021651	0.089	Si
246	17.43	5.4	23.79	5.4	801245	SLD 1	1138367	2889179	0.1	-513764	SLD 15	-697396	-2135959	0.089	Si
266	19.01	5.4	26.61	5.4	1039697	SLD 1	1252040	3222510	0.102	-642512	SLD 15	-761667	-2322404	0.09	Si
285	19.01	5.4	26.61	5.4	1252040	SLD 1	1252040	3222510	0.102	-761667	SLD 15	-761667	-2322404	0.09	Si
287	19.01	5.4	26.61	5.4	1274908	SLD 1	1273857	3222510	0.102	-774639	SLD 15	-774122	-2322404	0.09	Si
307	19.01	5.4	26.61	5.4	1506851	SLD 1	1380471	3222510	0.102	-910116	SLD 15	-834989	-2322404	0.09	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	36.3	0	6999	SLU 30	6999	15933	75610	0	15933	1	Si
10	0	30.41	0	6894	SLU 30	6894	15020	75610	0	15020	1	Si
20	0	30.41	0	6789	SLU 30	6789	15020	75610	0	15020	1	Si
23	0.273	30.41	0	6769	SLU 30	6769	15020	75610	31143	31143	1	Si
41	0.273	28.67	0	6579	SLU 30	6579	14719	75523	31108	31108	1	Si
61	0.273	23.84	0	6369	SLU 30	6369	13831	75412	31062	31062	1	Si
82	0.273	19	0	6160	SLU 30	6160	12801	75123	30943	30943	1	Si
92	0.273	11.4	0	6055	SLU 30	6055	10798	75123	30943	30943	1	Si
113	0.263	11.4	0	5845	SLU 30	5845	10809	75292	29847	29847	1	Si
133	0.263	11.4	0	5635	SLU 30	5635	10829	75572	29958	29958	1	Si
154	0.263	14.53	0	5425	SLU 30	5425	11841	76908	30487	30487	1	Si
174	0.263	16.46	0	5215	SLU 30	5215	12344	76908	30487	30487	1	Si
195	0.263	15.21	0	5005	SLU 30	5005	12021	76908	30487	30487	1	Si
215	0.259	15.21	0	4795	SLU 30	4795	12021	76908	30011	30011	1	Si
236	0.259	15.21	0	4586	SLU 30	4586	12021	76908	30011	30011	1	Si
246	0.259	15.21	0	4481	SLU 30	4481	12021	76908	30011	30011	1	Si
266	0.259	15.21	0	4271	SLU 30	4271	12021	76908	30011	30011	1	Si
285	0.259	15.21	0	4081	SLU 30	4081	12021	76908	30011	30011	1	Si
287	0	15.21	0	4061	SLU 30	4061	12021	76908	0	12021	1	Si
307	0	23.79	0	3851	SLU 30	3851	13955	76908	0	13955	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	36.3	0	24956	SLV 1	30224	15933	75610	0	15933	1	Si
0	0	22.31	0	-15569	SLV 15	-20837	-13660	-76908	0	-13660	1	Si
20	0	30.41	0	24794	SLV 1	30063	15020	75610	0	15020	1	Si
20	0	19.55	0	-15730	SLV 15	-20998	-13071	-76908	0	-13071	1	Si
23	0.273	30.41	0	24779	SLV 1	30047	15020	75610	31143	31143	1	Si
23	0.273	19.55	0	-15746	SLV 15	-21014	-13071	-76908	-31678	-31678	1	Si
41	0.273	28.67	0	24633	SLV 1	29901	14719	75523	31108	31108	1	Si
41	0.273	15.21	0	-15891	SLV 15	-21160	-12021	-76908	-31678	-31678	1	Si
61	0.273	23.84	0	24472	SLV 1	29740	13831	75412	31062	31062	1	Si
61	0.273	15.21	0	-16053	SLV 15	-21321	-12021	-76908	-31678	-31678	1	Si
82	0.273	19	0	24310	SLV 1	29578	12801	75123	30943	30943	1	Si
82	0.273	15.21	0	-16214	SLV 15	-21483	-12021	-76908	-31678	-31678	1	Si
92	0.273	11.4	0	24229	SLV 1	29498	10798	75123	30943	30943	1	Si
92	0.273	15.21	0	-16295	SLV 15	-21563	-12021	-76908	-31678	-31678	1	Si
113	0.263	11.4	0	24068	SLV 1	29336	10809	75292	29847	29847	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
113	0.263	15.21	0	-16456	SLV 15	-21725	-12021	-76908	-30487	-30487	1	Si
133	0.263	11.4	0	23907	SLV 1	29175	10829	75572	29958	29958	1	Si
133	0.263	15.21	0	-16618	SLV 15	-21886	-12021	-76908	-30487	-30487	1	Si
154	0.263	14.53	0	23745	SLV 1	29013	11841	76908	30487	30487	1	Si
154	0.263	15.21	0	-16779	SLV 15	-22048	-12021	-76908	-30487	-30487	1	Si
174	0.263	16.46	0	23584	SLV 1	28852	12344	76908	30487	30487	1	Si
174	0.263	16.46	0	-16941	SLV 15	-22209	-12344	-76908	-30487	-30487	1	Si
195	0.263	15.21	0	23422	SLV 1	28690	12021	76908	30487	30487	1	Si
195	0.263	18.4	0	-17102	SLV 15	-22370	-12809	-76908	-30487	-30487	1	Si
215	0.259	15.21	0	23261	SLV 1	28529	12021	76908	30011	30011	1	Si
215	0.259	11.4	0	-17264	SLV 15	-22532	-10922	-76908	-30011	-30011	1	Si
236	0.259	15.21	0	23099	SLV 1	28368	12021	76908	30011	30011	1	Si
236	0.259	11.4	0	-17425	SLV 15	-22693	-10922	-76908	-30011	-30011	1	Si
246	0.259	15.21	0	23019	SLV 1	28287	12021	76908	30011	30011	1	Si
246	0.259	11.4	0	-17506	SLV 15	-22774	-10922	-76908	-30011	-30011	1	Si
266	0.259	15.21	0	22857	SLV 1	28125	12021	76908	30011	30011	1	Si
266	0.259	11.4	0	-17667	SLV 15	-22935	-10922	-76908	-30011	-30011	1	Si
285	0.259	15.21	0	22712	SLV 1	27980	12021	76908	30011	30011	1	Si
285	0.259	15.5	0	-17813	SLV 15	-23081	-12098	-76908	-30011	-30011	1	Si
287	0	15.21	0	22696	SLV 1	27964	12021	76908	0	12021	1	Si
287	0	15.5	0	-17829	SLV 15	-23097	-12098	-76908	0	-12098	1	Si
307	0	23.79	0	22534	SLV 1	27803	13955	76908	0	13955	1	Si
307	0	17.43	0	-17990	SLV 15	-23258	-12581	-76908	0	-12581	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	36.3	0	13660	SLD 1	13660	15933	75610	0	15933	1	Si
0	0	22.31	0	-4273	SLD 15	-4273	-13660	-76908	0	-13660	1	Si
20	0	30.41	0	13499	SLD 1	13499	15020	75610	0	15020	1	Si
20	0	19.55	0	-4435	SLD 15	-4435	-13071	-76908	0	-13071	1	Si
23	0.273	30.41	0	13483	SLD 1	13483	15020	75610	31143	31143	1	Si
23	0.273	19.55	0	-4450	SLD 15	-4450	-13071	-76908	-31678	-31678	1	Si
41	0.273	28.67	0	13338	SLD 1	13338	14719	75523	31108	31108	1	Si
41	0.273	15.21	0	-4596	SLD 15	-4596	-12021	-76908	-31678	-31678	1	Si
61	0.273	23.84	0	13176	SLD 1	13176	13831	75412	31062	31062	1	Si
61	0.273	15.21	0	-4757	SLD 15	-4757	-12021	-76908	-31678	-31678	1	Si
82	0.273	19	0	13015	SLD 1	13015	12801	75123	30943	30943	1	Si
82	0.273	15.21	0	-4919	SLD 15	-4919	-12021	-76908	-31678	-31678	1	Si
92	0.273	11.4	0	12934	SLD 1	12934	10798	75123	30943	30943	1	Si
92	0.273	15.21	0	-5000	SLD 15	-5000	-12021	-76908	-31678	-31678	1	Si
113	0.263	11.4	0	12773	SLD 1	12773	10809	75292	29847	29847	1	Si
113	0.263	15.21	0	-5161	SLD 15	-5161	-12021	-76908	-30487	-30487	1	Si
133	0.263	11.4	0	12611	SLD 1	12611	10829	75572	29958	29958	1	Si
133	0.263	15.21	0	-5323	SLD 15	-5323	-12021	-76908	-30487	-30487	1	Si
154	0.263	14.53	0	12450	SLD 1	12450	11841	76908	30487	30487	1	Si
154	0.263	15.21	0	-5484	SLD 15	-5484	-12021	-76908	-30487	-30487	1	Si
174	0.263	16.46	0	12288	SLD 1	12288	12344	76908	30487	30487	1	Si
174	0.263	16.46	0	-5645	SLD 15	-5645	-12344	-76908	-30487	-30487	1	Si
195	0.263	15.21	0	12127	SLD 1	12127	12021	76908	30487	30487	1	Si
195	0.263	18.4	0	-5807	SLD 15	-5807	-12809	-76908	-30487	-30487	1	Si
215	0.259	15.21	0	11965	SLD 1	11965	12021	76908	30011	30011	1	Si
215	0.259	11.4	0	-5968	SLD 15	-5968	-10922	-76908	-30011	-30011	1	Si
236	0.259	15.21	0	11804	SLD 1	11804	12021	76908	30011	30011	1	Si
236	0.259	11.4	0	-6130	SLD 15	-6130	-10922	-76908	-30011	-30011	1	Si
246	0.259	15.21	0	11723	SLD 1	11723	12021	76908	30011	30011	1	Si
246	0.259	11.4	0	-6210	SLD 15	-6210	-10922	-76908	-30011	-30011	1	Si
266	0.259	15.21	0	11562	SLD 1	11562	12021	76908	30011	30011	1	Si
266	0.259	11.4	0	-6372	SLD 15	-6372	-10922	-76908	-30011	-30011	1	Si
285	0.259	15.21	0	11416	SLD 1	11416	12021	76908	30011	30011	1	Si
285	0.259	15.5	0	-6518	SLD 15	-6518	-12098	-76908	-30011	-30011	1	Si
287	0	15.21	0	11400	SLD 1	11400	12021	76908	0	12021	1	Si
287	0	15.5	0	-6533	SLD 15	-6533	-12098	-76908	0	-12098	1	Si
307	0	23.79	0	11239	SLD 1	11239	13955	76908	0	13955	1	Si
307	0	17.43	0	-6695	SLD 15	-6695	-12581	-76908	0	-12581	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-843642	3	-786235	16.2	124.5	346.8	1837	-772619	2	-719880	14.8	93.4	0	+∞	Si
20	-740570	3	-740181	15.2	124.5	326.5	1837	-678054	2	-677701	13.9	93.4	0	+∞	Si
23	-730757	3	-730757	15	124.5	322.4	1837	-669070	2	-669070	13.8	93.4	0	+∞	Si
41	-640808	3	-730757	15.3	124.5	343.7	1837	-586798	2	-669070	14	93.4	0	+∞	Si
61	-544354	3	-682167	14.7	124.5	346.6	1837	-498851	2	-624601	13.5	93.4	0	+∞	Si
82	-451211	3	-584331	13.7	124.5	355.9	1837	-414214	2	-535271	12.6	93.4	0	+∞	Si
92	-405880	3	-536653	13.3	124.5	328.8	1837	-373137	2	-491847	12.2	93.4	0	+∞	Si
113	-317700	3	-443781	11.4	124.5	310.7	1837	-293464	2	-407482	10.5	93.4	0	+∞	Si
133	-232830	3	-354218	9.6	124.5	298.1	1837	-217101	2	-326425	8.9	93.4	0	+∞	Si
154	-151270	3	-267964	8.8	124.5	396.8	1837	-144047	2	-248679	8.2	93.4	0	+∞	Si
174	-75906	1	-185020	6.1	124.5	274	1837	-75906	1	-174241	5.7	93.4	0	+∞	Si
195	1923	3	102463	3.2	124.5	115.2	1837								Si
195	-21067	1	-105385	3.5	124.5	156.1	1837	-21067	1	-103113	3.4	93.4	0	+∞	Si
215	73555	3	169403	5.1	124.5	190	1837	55258	2	139042	4.2	93.4	0	+∞	Si
236	141878	3	233032	6.1	124.5	185.1	1837	115073	2	194165	5.1	93.4	0	+∞	Si
246	174798	3	263606	6.6	124.5	191.6	1837	143740	2	220485	5.5	93.4	0	+∞	Si
266	238157	3	292428	6.9	124.5	190.6	1837	198592	2	245187	5.8	93.4	0	+∞	Si
285	292428	3	292428	6.9	124.5	190.6	1837	245187	2	245187	5.8	93.4	0	+∞	Si
287	298206	3	297902	7.1	124.5	194.2	1837	250134	2	249868	5.9	93.4	0	+∞	Si
307	354946	3	324651	7.7	124.5	211.6	1837	298367	2	272741	6.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.004	1	-0.004	1	9999	Si
23	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.004	1	-0.005	1	9999	Si
41	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.007	1	-0.008	1	9999	Si
61	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.009	1	-0.01	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
82	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.01	1	-0.011	1	9999	Si
92	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.01	1	-0.011	1	9999	Si
102	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.01	1	-0.011	1	9999	Si
113	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.01	1	-0.011	1	9999	Si
133	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.01	1	-0.011	1	9999	Si
154	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.009	1	-0.009	1	9999	Si
174	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
195	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
215	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si
236	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
246	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
266	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	2	-0.001	2	9999	Si
285	0	0	0	0	0	0	0	0	0	0	0	2	-0.001	2	9999	Si
287	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	4516	25530	31143	SLV 1	0.38	788	1.042	-669070	3047141	2864315	SLV 13	0.42	1025	1.161	Si
41	4371	25530	31108	SLV 1	0.38	796	1.047	-669070	3047141	2864371	SLV 13	0.42	1025	1.161	Si
61	4209	25530	31062	SLV 1	0.38	805	1.052	-624601	2846061	2805260	SLV 13	0.43	1135	1.211	Si
82	4048	25530	30943	SLV 1	0.38	808	1.053	-535271	2431012	2478791	SLV 13	0.45	1224	1.249	Si
92	3967	25530	30943	SLV 1	0.38	814	1.056	-491847	2223537	1965538	SLV 13	0.4	908	1.105	Si
113	3806	25530	29847	SLV 1	0.37	747	1.02	-407482	1808747	1945634	SLV 13	0.47	1390	1.316	Si
133	3644	25530	29958	SLV 1	0.37	766	1.03	-326425	-1394338	-2560899	SLV 3	0.57	2426	1.653	Si
154	3483	25530	30487	SLV 1	0.38	816	1.057	-248679	-980811	-1422107	SLV 3	0.43	1113	1.201	Si
174	3321	25530	30487	SLV 1	0.39	828	1.064	-174241	-569799	-1422107	SLV 3	0.57	2474	1.666	Si
195	3160	25530	30487	SLV 1	0.39	840	1.07	80609	-1037222	-1422107	SLV 15	0.52	1852	1.48	Si
215	2999	25530	30011	SLV 1	0.38	816	1.057	139042	1451771	1872797	SLV 1	0.43	1108	1.199	Si
236	2837	25530	30011	SLV 1	0.39	828	1.064	194165	-1866629	-2021651	SLV 15	0.43	1091	1.191	Si
246	2756	25530	30011	SLV 1	0.39	834	1.067	220485	-2074126	-2135959	SLV 15	0.41	971	1.136	Si
266	2595	25530	30011	SLV 1	0.39	846	1.073	245187	-2275174	-2322404	SLV 15	0.41	956	1.128	Si
285	2449	25530	30011	SLV 1	0.39	858	1.079	245187	-2275174	-2322404	SLV 15	0.41	956	1.128	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	4516	8967	31143	SLD 1	0.4	897	2.766	-669070	1348477	2864315	SLD 13	0.35	661	2.441	Si
41	4371	8967	31108	SLD 1	0.4	906	2.777	-669070	1348477	2864371	SLD 13	0.35	661	2.441	Si
61	4209	8967	31062	SLD 1	0.4	916	2.79	-624601	1259492	2805260	SLD 13	0.37	726	2.536	Si
82	4048	8967	30943	SLD 1	0.4	919	2.794	-535271	1075817	2478791	SLD 13	0.38	778	2.609	Si
92	3967	8967	30943	SLD 1	0.4	926	2.802	-491847	984001	1965538	SLD 13	0.34	589	2.328	Si
113	3806	8967	29847	SLD 1	0.39	850	2.706	-407482	800440	1945634	SLD 13	0.39	875	2.738	Si
133	3644	8967	29958	SLD 1	0.39	872	2.734	-326425	-617048	-2560899	SLD 3	0.48	1512	3.426	Si
154	3483	8967	30487	SLD 1	0.4	929	2.806	-248679	-434047	-1422107	SLD 3	0.36	714	2.519	Si
174	3321	8967	30487	SLD 1	0.41	942	2.822	-174241	-252158	-1422107	SLD 3	0.6	2474	4.193	Si
195	3160	8967	30487	SLD 1	0.41	956	2.839	80609	-459012	-1422107	SLD 15	0.44	1157	3.07	Si
215	2999	8967	30011	SLD 1	0.4	929	2.806	139042	642465	1872797	SLD 1	0.36	710	2.513	Si
236	2837	8967	30011	SLD 1	0.41	942	2.822	194165	-826056	-2021651	SLD 15	0.36	700	2.499	Si
246	2756	8967	30011	SLD 1	0.41	949	2.831	220485	-917882	-2135959	SLD 15	0.35	630	2.393	Si
266	2595	8967	30011	SLD 1	0.41	963	2.848	245187	-1006853	-2322404	SLD 15	0.34	619	2.376	Si
285	2449	8967	30011	SLD 1	0.41	977	2.865	245187	-1006853	-2322404	SLD 15	0.34	619	2.376	Si

Campata 7 tra i fili 20 - 21, sezione R 45x70, asta 1007

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	26.61	5.4	567935	SLU 30	564903	3222510	0.102						Si
18	19.01	5.4	26.61	5.4	561591	SLU 30	561370	3222510	0.102						Si
23	19.01	5.4	26.61	5.4	559383	SLU 30	559383	3222510	0.102						Si
36	19.01	5.4	26.61	5.4	551930	SLU 30	559383	3222510	0.102						Si
54	19.01	5.4	26.61	5.4	538952	SLU 30	558191	3222510	0.102						Si
72	19.01	5.4	23.29	5.4	522657	SLU 30	547253	2829416	0.098						Si
81	19.01	5.4	21.47	5.4	513266	SLU 30	540540	2614205	0.095						Si
90	19.01	5.4	15.21	5.4	503045	SLU 30	532998	1872544	0.088						Si
99	19.01	5.4	15.21	5.4	491996	SLU 30	524627	1872544	0.088						Si
117	19.01	5.4	15.21	5.4	467408	SLU 30	505396	1872544	0.088						Si
135	19.01	5.4	15.21	5.4	439504	SLU 30	482849	1872544	0.088						Si
153	19.01	5.4	15.21	5.4	408283	SLU 30	456985	1872544	0.088						Si
171	19.01	5.4	15.21	5.4	373745	SLU 30	427803	1872544	0.088						Si
189	19.01	5.4	15.21	5.4	335890	SLU 30	395305	1872544	0.088						Si
207	19.01	5.4	23.29	6.8	294718	SLU 30	359490	2764880	0.1						Si
216	19.01	5.4	25.1	7	272888	SLU 30	340339	2965339	0.103						Si
234	19.01	5.4	26.61	7.1	226741	SLU 30	299548	3131425	0.105						Si
248	19.01	5.4	26.61	7.1	189850	SLU 30	266770	3131425	0.105						Si
252	19.01	5.4	26.61	7.1	177276	SLU 30	177276	3131425	0.105						Si
270	19.01	5.4	26.61	7.1	130746	SLU 12	130746	3131425	0.105						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	26.61	5.4	2946248	SLV 13	2715668	3222510	0.102	-2189102	SLV 3	-1961616	-2322404	0.09	Si
18	19.01	5.4	26.61	5.4	2598896	SLV 13	2585056	3222510	0.102	-1848997	SLV 3	-1835434	-2322404	0.09	Si
23	19.01	5.4	26.61	5.4	2511587	SLV 13	2511587	3222510	0.102	-1764457	SLV 3	-1764457	-2322404	0.09	Si
36	19.01	5.4	26.61	5.4	2249034	SLV 13	2511587	3222510	0.102	-1511486	SLV 3	-1764457	-2322404	0.09	Si
54	19.01	5.4	26.61	5.4	1896691	SLV 13	2464440	3222510	0.102	-1176597	SLV 3	-1718805	-2322404	0.09	Si
72	19.01	5.4	23.29	5.4	1541928	SLV 13	2113618	2829416	0.098	-844392	SLV 3	-1382300	-2322568	0.091	Si
81	19.01	5.4	21.47	5.4	1363682	SLV 13	1937281	2614205	0.095	-679338	SLV 3	-1215033	-2322655	0.091	Si
99	19.01	5.4	15.21	5.4	1005685	SLV 13	1582794	1872544	0.088	-351552	SLV 3	-882517	-2323187	0.094	Si
117	19.01	5.4	15.21	5.4	646788	SLV 13	1226026	1872544	0.088	-27971	SLV 3	-552822	-2323187	0.094	Si
135	19.01	5.4	15.21	5.4	329841	SLV 5	867467	1872544	0.088	248559	SLV 11	-318556	-2323187	0.094	Si
153	19.01	5.4	15.21	5.4	625649	SLV 1	1136913	1872544	0.088	-92769	SLV 15	-688438	-2323187	0.094	Si
171	19.01	5.4	15.21	5.4	942765	SLV 1	1450892	1872544	0.088	-460509	SLV 15	-1061282	-2323187	0.094	Si
189	19.01	5.4	15.21	5.4	1258119	SLV 1	1762489	1872544	0.088	-831590	SLV 15	-1436847	-2323187	0.094	Si
207	19.01	5.4	23.29	6.8	1571199	SLV 1	2071621	2764880	0.1	-1205499	SLV 15	-1815050	-2388431	0.108	Si
216	19.01	5.4	25.1	7	1726834	SLV 1	2225250	2965339	0.103	-1393463	SLV 15	-2005128	-2402580	0.111	Si
234	19.01	5.4	26.61	7.1	2036253	SLV 1	2266599	3131425	0.105	-1771366	SLV 15	-2056584	-2413650	0.114	Si
248	19.01	5.4	26.61	7.1	2266599	SLV 1	2266599	3131425	0.105	-2056584	SLV 15	-2056584	-2413650	0.114	Si
252	19.01	5.4	26.61	7.1	2343172	SLV 1	2335541	3131425	0.105	-2151872	SLV 15	-2142370	-2413650	0.114	Si
270	19.01	5.4	26.61	7.1	2647571	SLV 1	2458104	3131425	0.105	-2534962	SLV 15	-2294878	-2413650	0.114	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	26.61	5.4	1514871	SLD 13	1411968	3222510	0.102	-757725	SLD 3	-657916	-2322404	0.09	Si
18	19.01	5.4	26.61	5.4	1359134	SLD 13	1352932	3222510	0.102	-609235	SLD 3	-603310	-2322404	0.09	Si
23	19.01	5.4	26.61	5.4	1319724	SLD 13	1319724	3222510	0.102	-572595	SLD 3	-572595	-2322404	0.09	Si
36	19.01	5.4	26.61	5.4	1200863	SLD 13	1319724	3222510	0.102	-463316	SLD 3	-572595	-2322404	0.09	Si
54	19.01	5.4	26.61	5.4	1040073	SLD 13	1298443	3222510	0.102	-319979	SLD 3	-552809	-2322404	0.09	Si
72	19.01	5.4	23.29	5.4	876789	SLD 13	1139201	2829416	0.098	-179253	SLD 3	-407882	-2322568	0.091	Si
81	19.01	5.4	21.47	5.4	794231	SLD 13	1058636	2614205	0.095	-109887	SLD 3	-336389	-2322655	0.091	Si
90	19.01	5.4	15.21	5.4	711083	SLD 13	977446	1872544	0.088	-41207	SLD 3	-265546	-2323187	0.094	Si
99	19.01	5.4	15.21	5.4	627381	SLD 13	895638	1872544	0.088	26751	SLD 3	-195361	-2323187	0.094	Si
117	19.01	5.4	15.21	5.4	458711	SLD 13	730207	1872544	0.088	160106	SLD 3	-57004	-2323187	0.094	Si
135	19.01	5.4	15.21	5.4	307173	SLD 5	562561	1872544	0.088	271227	SLD 11	-982	-2323187	0.094	Si
153	19.01	5.4	15.21	5.4	425401	SLD 1	628130	1872544	0.088	107479	SLD 15	-179655	-2323187	0.094	Si
171	19.01	5.4	15.21	5.4	551627	SLD 1	750670	1872544	0.088	-69371	SLD 15	-361060	-2323187	0.094	Si
189	19.01	5.4	15.21	5.4	675651	SLD 1	870734	1872544	0.088	-249122	SLD 15	-545093	-2323187	0.094	Si
207	19.01	5.4	23.29	6.8	797246	SLD 1	988285	2764880	0.1	-431547	SLD 15	-731714	-2388431	0.108	Si
216	19.01	5.4	25.1	7	857110	SLD 1	1046112	2965339	0.103	-523739	SLD 15	-825991	-2402580	0.111	Si
234	19.01	5.4	26.61	7.1	974951	SLD 1	1061594	3131425	0.105	-710065	SLD 15	-851579	-2413650	0.114	Si
248	19.01	5.4	26.61	7.1	1061594	SLD 1	1061594	3131425	0.105	-851579	SLD 15	-851579	-2413650	0.114	Si
252	19.01	5.4	26.61	7.1	1090264	SLD 1	1087409	3131425	0.105	-898965	SLD 15	-894238	-2413650	0.114	Si
270	19.01	5.4	26.61	7.1	1203039	SLD 1	1133301	3131425	0.105	-1090430	SLD 15	-970075	-2413650	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	25.1	0	-295	SLU 18	-295	-14208	-76908	0	-14208	1	Si
18	0	21.47	0	-468	SLU 36	-468	-13486	-76908	0	-13486	1	Si
23	0.215	15.21	0	-514	SLU 36	-514	-12021	-76908	-25009	-25009	1	Si
36	0.215	15.21	0	-653	SLU 36	-653	-12021	-76908	-25009	-25009	1	Si
54	0.215	15.21	0	-837	SLU 36	-837	-12021	-76908	-25009	-25009	1	Si
72	0.215	15.21	0	-1021	SLU 36	-1021	-12021	-76908	-25009	-25009	1	Si
81	0.215	15.21	0	-1113	SLU 36	-1113	-12021	-76908	-25009	-25009	1	Si
99	0.225	15.21	0	-1298	SLU 36	-1298	-12021	-76908	-26088	-26088	1	Si
117	0.225	15.21	0	-1482	SLU 36	-1482	-12021	-76908	-26088	-26088	1	Si
135	0.225	21.47	0	-1666	SLU 36	-1666	-13486	-76908	-26088	-26088	1	Si
153	0.225	15.21	0	-1850	SLU 36	-1850	-12021	-76908	-26088	-26088	1	Si
171	0.225	15.21	0	-2035	SLU 36	-2035	-12021	-76908	-26088	-26088	1	Si
189	0.244	15.21	0	-2219	SLU 36	-2219	-12021	-76908	-28344	-28344	1	Si
207	0.244	15.21	0	-2403	SLU 36	-2403	-11894	-75256	-27735	-27735	1	Si
216	0.244	15.21	0	-2495	SLU 36	-2495	-11877	-75031	-27652	-27652	1	Si
234	0.244	15.21	0	-2680	SLU 36	-2680	-11865	-74867	-27592	-27592	1	Si
248	0.244	15.21	0	-2818	SLU 36	-2818	-11865	-74867	-27592	-27592	1	Si
252	0	15.21	0	-2864	SLU 36	-2864	-11865	-74867	0	-11865	1	Si
270	0	23.29	0	-3048	SLU 36	-3048	-13676	-74867	0	-13676	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	18972	SLV 1	23938	12949	76908	0	12949	1	Si
0	0	25.1	0	-19233	SLV 15	-24199	-14208	-76908	0	-14208	1	Si
18	0	19.01	0	18830	SLV 1	23797	12949	76908	0	12949	1	Si
18	0	21.47	0	-19374	SLV 15	-24341	-13486	-76908	0	-13486	1	Si
23	0.215	19.01	0	18795	SLV 1	23761	12949	76908	25009	25009	1	Si
23	0.215	15.21	0	-19410	SLV 15	-24376	-12021	-76908	-25009	-25009	1	Si
36	0.215	19.01	0	18688	SLV 1	23655	12949	76908	25009	25009	1	Si
36	0.215	15.21	0	-19516	SLV 15	-24483	-12021	-76908	-25009	-25009	1	Si
54	0.215	19.01	0	18546	SLV 1	23513	12949	76908	25009	25009	1	Si
54	0.215	15.21	0	-19658	SLV 15	-24624	-12021	-76908	-25009	-25009	1	Si
72	0.215	19.01	0	18405	SLV 1	23371	12949	76908	25009	25009	1	Si
72	0.215	15.21	0	-19800	SLV 15	-24766	-12021	-76908	-25009	-25009	1	Si
81	0.215	19.01	0	18334	SLV 1	23300	12949	76908	25009	25009	1	Si
81	0.215	15.21	0	-19871	SLV 15	-24837	-12021	-76908	-25009	-25009	1	Si
99	0.225	19.01	0	18192	SLV 1	23159	12949	76908	26088	26088	1	Si
99	0.225	15.21	0	-20012	SLV 15	-24979	-12021	-76908	-26088	-26088	1	Si
117	0.225	19.01	0	18050	SLV 1	23017	12949	76908	26088	26088	1	Si
117	0.225	15.21	0	-20154	SLV 15	-25121	-12021	-76908	-26088	-26088	1	Si
135	0.225	21.47	0	17909	SLV 1	22875	13486	76908	26088	26088	1	Si
135	0.225	21.47	0	-20296	SLV 15	-25262	-13486	-76908	-26088	-26088	1	Si
153	0.225	15.21	0	17767	SLV 1	22733	12021	76908	26088	26088	1	Si
153	0.225	19.01	0	-20438	SLV 15	-25404	-12949	-76908	-26088	-26088	1	Si
171	0.225	15.21	0	17625	SLV 1	22592	12021	76908	26088	26088	1	Si
171	0.225	19.01	0	-20579	SLV 15	-25546	-12949	-76908	-26088	-26088	1	Si
189	0.244	15.21	0	17483	SLV 1	22450	12021	76908	28344	28344	1	Si
189	0.244	19.01	0	-20721	SLV 15	-25688	-12949	-76908	-28344	-28344	1	Si
207	0.244	15.21	0	17342	SLV 1	22308	11894	75256	27735	27735	1	Si
207	0.244	19.01	0	-20863	SLV 15	-25829	-12949	-76908	-28344	-28344	1	Si
216	0.244	15.21	0	17271	SLV 1	22237	11877	75031	27652	27652	1	Si
216	0.244	19.01	0	-20934	SLV 15	-25900	-12949	-76908	-28344	-28344	1	Si
234	0.244	15.21	0	17129	SLV 1	22096	11865	74867	27592	27592	1	Si
234	0.244	19.01	0	-21075	SLV 15	-26042	-12949	-76908	-28344	-28344	1	Si
248	0.244	15.21	0	17023	SLV 1	21989	11865	74867	27592	27592	1	Si
248	0.244	19.01	0	-21182	SLV 15	-26148	-12949	-76908	-28344	-28344	1	Si
252	0	15.21	0	16987	SLV 1	21954	11865	74867	0	11865	1	Si
252	0	19.01	0	-21217	SLV 15	-26184	-12949	-76908	0	-12949	1	Si
270	0	23.29	0	16845	SLV 1	21812	13676	74867	0	13676	1	Si
270	0	19.01	0	-21359	SLV 15	-26325	-12949	-76908	0	-12949	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	8323	SLD 1	8323	12949	76908	0	12949	1	Si
0	0	25.1	0	-8584	SLD 15	-8584	-14208	-76908	0	-14208	1	Si
18	0	19.01	0	8181	SLD 1	8181	12949	76908	0	12949	1	Si
18	0	21.47	0	-8726	SLD 15	-8726	-13486	-76908	0	-13486	1	Si
23	0.215	19.01	0	8146	SLD 1	8146	12949	76908	25009	25009	1	Si
23	0.215	15.21	0	-8761	SLD 15	-8761	-12021	-76908	-25009	-25009	1	Si
36	0.215	19.01	0	8040	SLD 1	8040	12949	76908	25009	25009	1	Si
36	0.215	15.21	0	-8867	SLD 15	-8867	-12021	-76908	-25009	-25009	1	Si
54	0.215	19.01	0	7898	SLD 1	7898	12949	76908	25009	25009	1	Si
54	0.215	15.21	0	-9009	SLD 15	-9009	-12021	-76908	-25009	-25009	1	Si
72	0.215	19.01	0	7756	SLD 1	7756	12949	76908	25009	25009	1	Si
72	0.215	15.21	0	-9151	SLD 15	-9151	-12021	-76908	-25009	-25009	1	Si
81	0.215	19.01	0	7685	SLD 1	7685	12949	76908	25009	25009	1	Si
81	0.215	15.21	0	-9222	SLD 15	-9222	-12021	-76908	-25009	-25009	1	Si
99	0.225	15.21	0	7543	SLD 1	7543	12021	76908	26088	26088	1	Si
99	0.225	15.21	0	-9364	SLD 15	-9364	-12021	-76908	-26088	-26088	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
117	0.225	15.21	0	7402	SLD 1	7402	12021	76908	26088	26088	1	Si
117	0.225	15.21	0	-9505	SLD 15	-9505	-12021	-76908	-26088	-26088	1	Si
135	0.225	21.47	0	7260	SLD 1	7260	13486	76908	26088	26088	1	Si
135	0.225	21.47	0	-9647	SLD 15	-9647	-13486	-76908	-26088	-26088	1	Si
153	0.225	15.21	0	7118	SLD 1	7118	12021	76908	26088	26088	1	Si
153	0.225	15.21	0	-9789	SLD 15	-9789	-12021	-76908	-26088	-26088	1	Si
171	0.225	15.21	0	6976	SLD 1	6976	12021	76908	26088	26088	1	Si
171	0.225	19.01	0	-9931	SLD 15	-9931	-12949	-76908	-26088	-26088	1	Si
189	0.244	15.21	0	6835	SLD 1	6835	12021	76908	28344	28344	1	Si
189	0.244	19.01	0	-10072	SLD 15	-10072	-12949	-76908	-28344	-28344	1	Si
207	0.244	15.21	0	6693	SLD 1	6693	11894	75256	27735	27735	1	Si
207	0.244	19.01	0	-10214	SLD 15	-10214	-12949	-76908	-28344	-28344	1	Si
216	0.244	15.21	0	6622	SLD 1	6622	11877	75031	27652	27652	1	Si
216	0.244	19.01	0	-10285	SLD 15	-10285	-12949	-76908	-28344	-28344	1	Si
234	0.244	15.21	0	6480	SLD 1	6480	11865	74867	27592	27592	1	Si
234	0.244	19.01	0	-10427	SLD 15	-10427	-12949	-76908	-28344	-28344	1	Si
248	0.244	15.21	0	6374	SLD 1	6374	11865	74867	27592	27592	1	Si
248	0.244	19.01	0	-10533	SLD 15	-10533	-12949	-76908	-28344	-28344	1	Si
252	0	15.21	0	6339	SLD 1	6339	11865	74867	0	11865	1	Si
252	0	19.01	0	-10568	SLD 15	-10568	-12949	-76908	0	-12949	1	Si
270	0	23.29	0	6197	SLD 1	6197	13676	74867	0	13676	1	Si
270	0	19.01	0	-10710	SLD 15	-10710	-12949	-76908	0	-12949	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	412869	3	410889	9.8	124.5	267.8	1837	378573	2	377026	8.9	93.4	0	+∞	Si
18	408553	3	408397	9.7	124.5	266.2	1837	374949	2	374811	8.9	93.4	0	+∞	Si
23	406996	3	406996	9.7	124.5	265.3	1837	373565	2	373565	8.9	93.4	0	+∞	Si
36	401685	3	406996	9.7	124.5	265.3	1837	368774	2	373565	8.9	93.4	0	+∞	Si
54	392266	3	406154	9.6	124.5	264.8	1837	360047	2	372817	8.8	93.4	0	+∞	Si
72	380295	3	398304	9.8	124.5	295.1	1837	348768	2	365659	9	93.4	0	+∞	Si
81	373353	3	393423	10	124.5	315.2	1837	342172	2	361124	9.2	93.4	0	+∞	Si
99	357555	3	381745	10.8	124.5	426.7	1837	327066	2	350138	9.9	93.4	0	+∞	Si
117	339206	3	367516	10.4	124.5	410.8	1837	309409	2	336602	9.5	93.4	0	+∞	Si
135	318305	3	350736	9.9	124.5	392	1837	289200	2	320514	9.1	93.4	0	+∞	Si
153	294852	3	331404	9.4	124.5	370.4	1837	266440	2	301874	8.6	93.4	0	+∞	Si
171	268848	3	309521	8.8	124.5	345.9	1837	241128	2	280683	8	93.4	0	+∞	Si
189	240293	3	285086	8.1	124.5	318.6	1837	213264	2	256940	7.3	93.4	0	+∞	Si
207	209186	3	258100	6.6	124.5	201.8	1837	182850	2	230646	5.9	93.4	0	+∞	Si
216	192675	3	243650	6.1	124.5	178.7	1837	166685	2	216542	5.4	93.4	0	+∞	Si
234	157741	3	212836	5.3	124.5	148.5	1837	132443	2	186421	4.6	93.4	0	+∞	Si
248	129786	3	188045	4.6	124.5	131.2	1837	105008	2	162149	4	93.4	0	+∞	Si
252	120255	3	120255	3	124.5	83.9	1837	95650	2	95650	2.4	93.4	0	+∞	Si
270	80218	3	80218	2	124.5	56	1837	56305	2	56305	1.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
23	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
36	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.006	2	9999	Si
54	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.009	2	0.008	2	9999	Si
72	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.011	2	0.01	2	9999	Si
81	0.007	0.005	0.006	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.012	2	0.01	2	9999	Si
99	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.013	2	0.011	2	9999	Si
117	0.008	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.013	2	0.011	2	9999	Si
126	0.008	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.013	2	0.011	2	9999	Si
135	0.008	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.013	2	0.011	2	9999	Si
153	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.013	2	0.011	2	9999	Si
171	0.007	0.005	0.006	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.012	2	0.01	2	9999	Si
189	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.01	2	0.009	2	9999	Si
207	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
216	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.006	2	9999	Si
234	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.004	2	9999	Si
248	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
252	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-308	-24069	-25009	SLV 15	0.37	758	1.026	373565	-2138022	-2322404	SLV 3	0.45	1280	1.272	Si
36	-414	-24069	-25009	SLV 15	0.37	750	1.022	373565	-2138022	-2322404	SLV 3	0.45	1280	1.272	Si
54	-556	-24069	-25009	SLV 15	0.37	739	1.015	372817	-2091622	-2322404	SLV 3	0.46	1355	1.302	Si
72	-697	-24069	-25009	SLV 15	0.37	729	1.01	365659	1747959	2829416	SLV 13	0.5	1721	1.436	Si
81	-768	-24069	-25009	SLV 15	0.37	724	1.007	361124	1576157	2614205	SLV 13	0.51	1787	1.458	Si
99	-910	-24069	-26088	SLV 15	0.38	794	1.046	350138	1232656	1872544	SLV 13	0.45	1211	1.243	Si
117	-1052	-24069	-26088	SLV 15	0.38	783	1.04	336602	889424	1872544	SLV 13	0.57	2474	1.666	Si
135	-1194	-24069	-26088	SLV 15	0.38	772	1.034	320514	546953	1872544	SLV 13	0.57	2474	1.666	Si
153	-1335	-24069	-26088	SLV 15	0.37	762	1.028	224237	912676	1872544	SLV 1	0.57	2474	1.666	Si
171	-1477	-24069	-26088	SLV 15	0.37	751	1.022	194805	1256087	1872544	SLV 1	0.48	1491	1.354	Si
189	-1619	-24069	-28344	SLV 15	0.4	918	1.11	162821	1599668	1872544	SLV 1	0.39	837	1.069	Si
207	-1761	-24069	-28344	SLV 15	0.4	907	1.104	128285	-1943335	-2388431	SLV 15	0.47	1373	1.309	Si
216	-1831	-24069	-28344	SLV 15	0.4	901	1.101	110061	-2115189	-2402580	SLV 15	0.43	1093	1.192	Si
234	-1973	-24069	-28344	SLV 15	0.4	889	1.095	105008	-2161591	-2413650	SLV 15	0.42	1038	1.167	Si
248	-2080	-24069	-28344	SLV 15	0.4	880	1.091	105008	-2161591	-2413650	SLV 15	0.42	1038	1.167	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-308	-8453	-25009	SLD 15	0.39	863	2.723	373565	-946159	-2322404	SLD 3	0.38	811	2.654	Si
36	-414	-8453	-25009	SLD 15	0.39	853	2.71	373565	-946159	-2322404	SLD 3	0.38	811	2.654	Si
54	-556	-8453	-25009	SLD 15	0.39	841	2.694	372817	-925626	-2322404	SLD 3	0.39	855	2.712	Si
72	-697	-8453	-25009	SLD 15	0.39	830	2.679	365659	773541	2829416	SLD 13	0.43	1074	2.978	Si
81	-768	-8453	-25009	SLD 15	0.39	824	2.671	361124	697512	2614205	SLD 13	0.43	1117	3.026	Si
99	-910	-8453	-26088	SLD 15	0.4	904	2.775	350138	545499	1872544	SLD 13	0.38	771	2.6	Si
117	-1052	-8453	-26088	SLD 15	0.4	891	2.759	336602	393605	1872544	SLD 13	0.52	1846	3.719	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
135	-1194	-8453	-26088	SLD 15	0.4	879	2.743	320514	242048	1872544	SLD 13	0.6	2474	4.193	Si
153	-1335	-8453	-26088	SLD 15	0.39	867	2.728	224237	403892	1872544	SLD 1	0.54	2081	3.906	Si
171	-1477	-8453	-26088	SLD 15	0.39	855	2.712	194805	555865	1872544	SLD 1	0.41	933	2.811	Si
189	-1619	-8453	-28344	SLD 15	0.42	1053	2.954	162821	707913	1872544	SLD 1	0.33	543	2.252	Si
207	-1761	-8453	-28344	SLD 15	0.42	1039	2.938	128285	-860000	-2388431	SLD 15	0.39	866	2.727	Si
216	-1831	-8453	-28344	SLD 15	0.42	1031	2.929	110061	-936052	-2402580	SLD 15	0.36	701	2.5	Si
234	-1973	-8453	-28344	SLD 15	0.42	1016	2.911	105008	-956587	-2413650	SLD 15	0.36	669	2.453	Si
248	-2080	-8453	-28344	SLD 15	0.42	1004	2.897	105008	-956587	-2413650	SLD 15	0.36	669	2.453	Si

Campata 8 tra i fili 21 - 22, sezione R 45x70, asta 1008

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	26.61	7.1	1063356	SLU 30	977172	3131425	0.105						Si
21	19.01	5.4	26.61	7.1	904313	SLU 30	903548	3131425	0.105						Si
23	19.01	5.4	26.61	7.1	888481	SLU 30	888481	3131425	0.105						Si
41	19.01	5.4	23.85	7.3	740967	SLU 30	888481	2804921	0.101						Si
62	17.43	5.4	28.08	6.9	573319	SLU 30	809703	3311741	0.109						Si
82	15.5	5.4	21.72	6.6	401369	SLU 30	643854	2592283	0.1						Si
92	14.53	5.4	15.21	5.4	313780	SLU 30	559316	1872797	0.089						Si
113	11.4	5.4	15.21	5.4	135376	SLU 30	387013	1873055	0.09	80948	SLU 1	-125059	-1422107	0.084	Si
133	11.4	5.4	15.21	5.4	-24870	SLU 6	210408	1873055	0.09	-47330	SLU 30	-313866	-1422107	0.084	Si
154	11.4	5.4	15.21	5.4	-134832	SLU 1	30509	1873055	0.09	-234338	SLU 30	-506975	-1422107	0.084	Si
174	21.42	6.5	15.21	5.4						-425649	SLU 30	-704386	-2560899	0.1	Si
195	26.25	6.8	15.21	5.4						-621262	SLU 30	-906100	-3109041	0.108	Si
215	30.41	6.9	15.21	5.4						-821177	SLU 30	-1112116	-3580208	0.117	Si
236	30.41	6.9	15.21	5.4						-1025395	SLU 30	-1322435	-3580208	0.117	Si
246	36.3	6.7	19.12	5.4						-1129117	SLU 30	-1429208	-4273954	0.128	Si
267	39.2	6.6	21.88	5.4						-1339788	SLU 30	-1533683	-4616296	0.129	Si
285	41.81	6.5	22.81	5.4						-1533683	SLU 30	-1533683	-4920606	0.141	Si
287	41.81	6.5	22.81	5.4						-1554761	SLU 30	-1553886	-4920606	0.141	Si
308	41.81	6.5	22.81	5.4						-1774037	SLU 30	-1652607	-4920606	0.141	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	26.61	7.1	3398916	SLV 13	3120085	3131425	0.105	-1970712	SLV 3	-1806045	-2413650	0.114	Si
21	19.01	5.4	26.61	7.1	2889107	SLV 13	2886859	3131425	0.105	-1672008	SLV 3	-1670792	-2413650	0.114	Si
23	19.01	5.4	26.61	7.1	2839132	SLV 13	2839132	3131425	0.105	-1643113	SLV 3	-1643113	-2413650	0.114	Si
41	19.01	5.4	23.85	7.3	2376061	SLV 13	2839132	2804921	0.101	-1376688	SLV 3	-1643113	-2399268	0.118	No
62	17.43	5.4	28.08	6.9	1859840	SLV 13	2590875	3311741	0.109	-1084810	SLV 3	-1499790	-2222799	0.106	Si
82	15.5	5.4	21.72	6.6	1340585	SLV 13	2075973	2592283	0.1	-796518	SLV 3	-1206464	-1960984	0.099	Si
92	14.53	5.4	15.21	5.4	1079929	SLV 13	1817346	1872797	0.089	-653826	SLV 3	-1061108	-1792987	0.088	Si
113	11.4	5.4	15.21	5.4	557273	SLV 13	1297863	1873055	0.09	-372061	SLV 3	-773130	-1422107	0.084	Si
133	11.4	5.4	15.21	5.4	37852	SLV 13	775880	1873055	0.09	-100150	SLV 3	-735131	-1422107	0.084	Si
154	11.4	5.4	15.21	5.4	196812	SLV 1	581381	1873055	0.09	-513239	SLV 15	-1269637	-1422107	0.084	Si
174	21.42	6.5	15.21	5.4	468345	SLV 1	849991	1922186	0.097	-1045520	SLV 15	-1808381	-2560899	0.1	Si
195	26.25	6.8	15.21	5.4	738091	SLV 1	1115623	1945634	0.1	-1582633	SLV 15	-2350766	-3109041	0.108	Si
215	30.41	6.9	15.21	5.4	1005006	SLV 1	1378099	1965538	0.102	-2123534	SLV 15	-2896614	-3580208	0.117	Si
236	30.41	6.9	15.21	5.4	1268816	SLV 1	1637348	1965538	0.102	-2667949	SLV 15	-3445854	-3580208	0.117	Si
246	36.3	6.7	19.12	5.4	1399522	SLV 1	1765752	2428837	0.102	-2941440	SLV 15	-3721735	-4273954	0.128	Si
267	39.2	6.6	21.88	5.4	1658506	SLV 1	1889359	2755202	0.103	-3490956	SLV 15	-3989810	-4616296	0.129	Si
285	41.81	6.5	22.81	5.4	1889359	SLV 1	1889359	2864315	0.102	-3989810	SLV 15	-3989810	-4920606	0.141	Si
287	41.81	6.5	22.81	5.4	1914227	SLV 1	1910642	2864315	0.102	-4043830	SLV 15	-4039043	-4920606	0.141	Si
308	41.81	6.5	22.81	5.4	2166670	SLV 1	2014643	2864315	0.102	-4600044	SLV 15	-4279627	-4920606	0.141	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	26.61	7.1	1902238	SLD 13	1747024	3131425	0.105	-474034	SLD 3	-432984	-2413650	0.114	Si
21	19.01	5.4	26.61	7.1	1617786	SLD 13	1616504	3131425	0.105	-400687	SLD 3	-400436	-2413650	0.114	Si
23	19.01	5.4	26.61	7.1	1589794	SLD 13	1589794	3131425	0.105	-393776	SLD 3	-393776	-2413650	0.114	Si
41	19.01	5.4	23.85	7.3	1330056	SLD 13	1589794	2804921	0.101	-330683	SLD 3	-393776	-2399268	0.118	Si
62	17.43	5.4	28.08	6.9	1039077	SLD 13	1450683	3311741	0.109	-264047	SLD 3	-359598	-2222799	0.106	Si
82	15.5	5.4	21.72	6.6	744909	SLD 13	1161058	2592283	0.1	-200842	SLD 3	-291550	-1960984	0.099	Si
92	14.53	5.4	15.21	5.4	596679	SLD 13	1015033	1872797	0.089	-170576	SLD 3	-258796	-1792987	0.088	Si
113	11.4	5.4	15.21	5.4	298239	SLD 13	720614	1873055	0.09	-113027	SLD 3	-195882	-1422107	0.084	Si
133	11.4	5.4	15.21	5.4	-614	SLD 13	423244	1873055	0.09	-61684	SLD 3	-443713	-1422107	0.084	Si
154	11.4	5.4	15.21	5.4	-1101	SLD 1	124011	1873055	0.09	-315326	SLD 15	-753702	-1422107	0.084	Si
174	21.42	6.5	15.21	5.4	46385	SLD 1	109023	1922186	0.097	-623560	SLD 15	-1067412	-2560899	0.1	Si
195	26.25	6.8	15.21	5.4	91235	SLD 1	149436	1945634	0.1	-935778	SLD 15	-1384579	-3109041	0.108	Si
215	30.41	6.9	15.21	5.4	132988	SLD 1	186608	1965538	0.102	-1251516	SLD 15	-1705122	-3580208	0.117	Si
236	30.41	6.9	15.21	5.4	171521	SLD 1	220507	1965538	0.102	-1570654	SLD 15	-2029012	-3580208	0.117	Si
246	36.3	6.7	19.12	5.4	189565	SLD 1	236224	2428837	0.102	-1731483	SLD 15	-2192207	-4273954	0.128	Si
267	39.2	6.6	21.88	5.4	223195	SLD 1	250657	2755202	0.103	-2055646	SLD 15	-2351108	-4616296	0.129	Si
285	41.81	6.5	22.81	5.4	250657	SLD 1	250657	2864315	0.102	-2351108	SLD 15	-2351108	-4920606	0.141	Si
287	41.81	6.5	22.81	5.4	253537	SLD 1	252285	2864315	0.102	-2383140	SLD 15	-2380686	-4920606	0.141	Si
308	41.81	6.5	22.81	5.4	280583	SLD 1	260240	2864315	0.102	-2713957	SLD 15	-2525224	-4920606	0.141	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	-7653	SLU 30	-7653	-14298	-74867	0	-14298	1	Si
21	0	21.72	0	-7863	SLU 30	-7863	-13362	-74867	0	-13362	1	Si
23	0.273	21.72	0	-7884	SLU 30	-7884	-13362	-74867	-30838	-30838	1	Si
41	0.273	15.21	0	-8073	SLU 30	-8073	-11846	-74631	-30740	-30740	1	Si
62	0.273	15.21	0	-8283	SLU 30	-8283	-11883	-75101	-30934	-30934	1	Si
82	0.273	15.21	0	-8493	SLU 30	-8493	-11912	-75480	-31090	-31090	1	Si
92	0.273	15.21	0	-8598	SLU 30	-8598	-12021	-76908	-31678	-31678	1	Si
113	0.279	15.21	0	-8808	SLU 30	-8808	-12021	-76908	-32393	-32393	1	Si
133	0.279	16.46	0	-9017	SLU 30	-9017	-12344	-76908	-32393	-32393	1	Si
154	0.279	14.53	0	-9227	SLU 30	-9227	-11841	-76908	-32393	-32393	1	Si
174	0.279	11.4	0	-9437	SLU 30	-9437	-10829	-75572	-31830	-31830	1	Si
195	0.279	11.4	0	-9647	SLU 30	-9647	-10809	-75292	-31712	-31712	1	Si
215	0.287	11.4	0	-9857	SLU 30	-9857	-10798	-75123	-32571	-32571	1	Si
236	0.287	21.42	0	-10067	SLU 30	-10067	-13322	-75123	-32571	-32571	1	Si
246	0.287	23.84	0	-10172	SLU 30	-10172	-13831	-75412	-32697	-32697	1	Si
267	0.287	28.67	0	-10382	SLU 30	-10382	-14719	-75523	-32745	-32745	1	Si
285	0.287	30.41	0	-10571	SLU 30	-10571	-15020	-75610	-32782	-32782	1	Si
287	0	30.41	0	-10591	SLU 30	-10591	-15020	-75610	0	-15020	1	Si
297	0	30.41	0	-10696	SLU 30	-10696	-15020	-75610	0	-15020	1	Si
308	0	36.3	0	-10801	SLU 30	-10801	-15933	-75610	0	-15933	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.43	0	14660	SLV 3	19789	12581	76908	0	12581	1	Si
0	0	26.61	0	-24796	SLV 13	-29926	-14298	-74867	0	-14298	1	Si
21	0	15.5	0	14499	SLV 3	19628	12098	76908	0	12098	1	Si
21	0	21.72	0	-24958	SLV 13	-30087	-13362	-74867	0	-13362	1	Si
23	0.273	15.5	0	14483	SLV 3	19612	12098	76908	31678	31678	1	Si
23	0.273	21.72	0	-24974	SLV 13	-30103	-13362	-74867	-30838	-30838	1	Si
41	0.273	11.4	0	14337	SLV 3	19467	10922	76908	31678	31678	1	Si
41	0.273	15.21	0	-25119	SLV 13	-30249	-11846	-74631	-30740	-30740	1	Si
62	0.273	11.4	0	14176	SLV 3	19305	10922	76908	31678	31678	1	Si
62	0.273	15.21	0	-25281	SLV 13	-30410	-11883	-75101	-30934	-30934	1	Si
82	0.273	11.4	0	14014	SLV 3	19144	10922	76908	31678	31678	1	Si
82	0.273	15.21	0	-25442	SLV 13	-30572	-11912	-75480	-31090	-31090	1	Si
92	0.273	11.4	0	13934	SLV 3	19063	10922	76908	31678	31678	1	Si
92	0.273	15.21	0	-25523	SLV 13	-30652	-12021	-76908	-31678	-31678	1	Si
113	0.279	18.4	0	13772	SLV 3	18902	12809	76908	32393	32393	1	Si
113	0.279	15.21	0	-25684	SLV 13	-30814	-12021	-76908	-32393	-32393	1	Si
133	0.279	16.46	0	13611	SLV 3	18740	12344	76908	32393	32393	1	Si
133	0.279	15.21	0	-25846	SLV 13	-30975	-12021	-76908	-32393	-32393	1	Si
154	0.279	15.21	0	13449	SLV 3	18579	12021	76908	32393	32393	1	Si
154	0.279	14.53	0	-26007	SLV 13	-31137	-11841	-76908	-32393	-32393	1	Si
174	0.279	15.21	0	13288	SLV 3	18417	12021	76908	32393	32393	1	Si
174	0.279	11.4	0	-26169	SLV 13	-31298	-10829	-75572	-31830	-31830	1	Si
195	0.279	15.21	0	13126	SLV 3	18256	12021	76908	32393	32393	1	Si
195	0.279	11.4	0	-26330	SLV 13	-31459	-10809	-75292	-31712	-31712	1	Si
215	0.287	15.21	0	12965	SLV 3	18094	12021	76908	33345	33345	1	Si
215	0.287	11.4	0	-26492	SLV 13	-31621	-10798	-75123	-32571	-32571	1	Si
236	0.287	15.21	0	12804	SLV 3	17933	12021	76908	33345	33345	1	Si
236	0.287	21.42	0	-26653	SLV 13	-31782	-13322	-75123	-32571	-32571	1	Si
246	0.287	15.21	0	12723	SLV 3	17852	12021	76908	33345	33345	1	Si
246	0.287	23.84	0	-26734	SLV 13	-31863	-13831	-75412	-32697	-32697	1	Si
267	0.287	15.21	0	12561	SLV 3	17691	12021	76908	33345	33345	1	Si
267	0.287	28.67	0	-26895	SLV 13	-32025	-14719	-75523	-32745	-32745	1	Si
285	0.287	15.21	0	12416	SLV 3	17545	12021	76908	33345	33345	1	Si
285	0.287	30.41	0	-27041	SLV 13	-32170	-15020	-75610	-32782	-32782	1	Si
287	0	15.21	0	12400	SLV 3	17529	12021	76908	0	12021	1	Si
287	0	30.41	0	-27057	SLV 13	-32186	-15020	-75610	0	-15020	1	Si
308	0	19.12	0	12238	SLV 3	17368	12976	76908	0	12976	1	Si
308	0	36.3	0	-27218	SLV 13	-32347	-15933	-75610	0	-15933	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.43	0	3662	SLD 3	3662	12581	76908	0	12581	1	Si
0	0	26.61	0	-13799	SLD 13	-13799	-14298	-74867	0	-14298	1	Si
21	0	15.5	0	3501	SLD 3	3501	12098	76908	0	12098	1	Si
21	0	21.72	0	-13960	SLD 13	-13960	-13362	-74867	0	-13362	1	Si
23	0.273	15.5	0	3485	SLD 3	3485	12098	76908	31678	31678	1	Si
23	0.273	21.72	0	-13976	SLD 13	-13976	-13362	-74867	-30838	-30838	1	Si
41	0.273	11.4	0	3339	SLD 3	3339	10922	76908	31678	31678	1	Si
41	0.273	15.21	0	-14122	SLD 13	-14122	-11846	-74631	-30740	-30740	1	Si
62	0.273	11.4	0	3178	SLD 3	3178	10922	76908	31678	31678	1	Si
62	0.273	15.21	0	-14283	SLD 13	-14283	-11883	-75101	-30934	-30934	1	Si
82	0.273	11.4	0	3017	SLD 3	3017	10922	76908	31678	31678	1	Si
82	0.273	15.21	0	-14444	SLD 13	-14444	-11912	-75480	-31090	-31090	1	Si
92	0.273	11.4	0	2936	SLD 3	2936	10922	76908	31678	31678	1	Si
92	0.273	15.21	0	-14525	SLD 13	-14525	-12021	-76908	-31678	-31678	1	Si
113	0.279	18.4	0	2774	SLD 3	2774	12809	76908	32393	32393	1	Si
113	0.279	15.21	0	-14687	SLD 13	-14687	-12021	-76908	-32393	-32393	1	Si
133	0.279	16.46	0	2613	SLD 3	2613	12344	76908	32393	32393	1	Si
133	0.279	16.46	0	-14848	SLD 13	-14848	-12344	-76908	-32393	-32393	1	Si
154	0.279	14.53	0	2452	SLD 3	2452	11841	76908	32393	32393	1	Si
154	0.279	14.53	0	-15010	SLD 13	-15010	-11841	-76908	-32393	-32393	1	Si
174	0.279	15.21	0	2290	SLD 3	2290	12021	76908	32393	32393	1	Si
174	0.279	11.4	0	-15171	SLD 13	-15171	-10829	-75572	-31830	-31830	1	Si
195	0.279	15.21	0	2129	SLD 3	2129	12021	76908	32393	32393	1	Si
195	0.279	11.4	0	-15332	SLD 13	-15332	-10809	-75292	-31712	-31712	1	Si
215	0.287	15.21	0	1967	SLD 3	1967	12021	76908	33345	33345	1	Si
215	0.287	11.4	0	-15494	SLD 13	-15494	-10798	-75123	-32571	-32571	1	Si
236	0.287	15.21	0	1806	SLD 3	1806	12021	76908	33345	33345	1	Si
236	0.287	21.42	0	-15655	SLD 13	-15655	-13322	-75123	-32571	-32571	1	Si
246	0.287	15.21	0	1725	SLD 3	1725	12021	76908	33345	33345	1	Si
246	0.287	23.84	0	-15736	SLD 13	-15736	-13831	-75412	-32697	-32697	1	Si
267	0.287	15.21	0	1564	SLD 3	1564	12021	76908	33345	33345	1	Si
267	0.287	28.67	0	-15897	SLD 13	-15897	-14719	-75523	-32745	-32745	1	Si
285	0.287	15.21	0	1418	SLD 3	1418	12021	76908	33345	33345	1	Si
285	0.287	30.41	0	-16043	SLD 13	-16043	-15020	-75610	-32782	-32782	1	Si
287	0	15.21	0	1402	SLD 3	1402	12021	76908	0	12021	1	Si
287	0	30.41	0	-16059	SLD 13	-16059	-15020	-75610	0	-15020	1	Si
297	0	15.21	0	1321	SLD 3	1321	12021	76908	0	12021	1	Si
297	0	30.41	0	-16140	SLD 13	-16140	-15020	-75610	0	-15020	1	Si
308	0	19.12	0	1241	SLD 3	1241	12976	76908	0	12976	1	Si
308	0	36.3	0	-16220	SLD 13	-16220	-15933	-75610	0	-15933	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	775579	3	713038	17.6	124.5	497.6	1837	714102	2	657020	16.2	93.4	0	+∞	Si
21	660080	3	659521	16.3	124.5	460.2	1837	608549	2	608034	15	93.4	0	+∞	Si
23	648569	3	648569	16	124.5	452.6	1837	598009	2	598009	14.8	93.4	0	+∞	Si
41	541271	3	648569	16.7	124.5	506.3	1837	499687	2	598009	15.4	93.4	0	+∞	Si
62	419153	3	591285	14.6	124.5	389.7	1837	387515	2	545543	13.5	93.4	0	+∞	Si
82	293726	3	470550	12.7	124.5	391.8	1837	272033	2	434754	11.8	93.4	0	+∞	Si
92	229771	3	408942	12.2	124.5	458.6	1837	213052	2	378119	11.3	93.4	0	+∞	Si
113	99379	3	283243	8.8	124.5	318.5	1837	92606	2	262366	8.2	93.4	0	+∞	Si
133	-34322	3	-229648	7.5	124.5	340.1	1837	-31149	2	-212370	7	93.4	0	+∞	Si
154	-171333	3	-371351	12.2	124.5	549.9	1837	-158214	2	-344128	11.3	93.4	0	+∞	Si
174	-311653	3	-516364	14.1	124.5	434.5	1837	-288588	2	-479195	13.1	93.4	0	+∞	Si
195	-455283	3	-664687	17.1	124.5	465.3	1837	-422271	2	-617571	15.9	93.4	0	+∞	Si
215	-602222	3	-816319	20.2	124.5	500.2	1837	-559264	2	-759257	18.8	93.4	0	+∞	Si
236	-752470	3	-971261	24	124.5	595.1	1837	-699566	2	-904253	22.4	93.4	0	+∞	Si
246	-828836	3	-1049972	23.5	124.5	535.8	1837	-770959	2	-977991	21.8	93.4	0	+∞	Si
267	-984048	3	-1127024	23.9	124.5	530.7	1837	-916225	2	-1050225	22.2	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
285	-1127024	3	-1127024	23.2	124.5	497.2	1837	-1050225	2	-1050225	21.6	93.4	0	+∞	Si
287	-1142571	3	-1141927	23.5	124.5	503.7	1837	-1064801	2	-1064201	21.9	93.4	0	+∞	Si
308	-1304402	3	-1214749	25	124.5	535.9	1837	-1216687	2	-1132492	23.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2	0.001	2	9999	Si
23	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
41	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
62	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
82	0	0	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
92	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
113	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
133	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.006	1	-0.007	1	9999	Si
154	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.009	1	-0.01	1	9999	Si
174	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.011	1	-0.012	1	9999	Si
195	-0.007	-0.008	-0.006	-0.007	-0.007	-0.008	-0.006	-0.006	-0.007	-0.007	-0.012	1	-0.014	1	9999	Si
215	-0.007	-0.009	-0.006	-0.007	-0.007	-0.008	-0.006	-0.007	-0.007	-0.008	-0.013	1	-0.015	1	9999	Si
236	-0.007	-0.008	-0.006	-0.007	-0.007	-0.008	-0.006	-0.007	-0.007	-0.008	-0.013	1	-0.014	1	9999	Si
246	-0.007	-0.008	-0.005	-0.007	-0.007	-0.008	-0.005	-0.006	-0.007	-0.007	-0.012	1	-0.013	1	9999	Si
267	-0.005	-0.007	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.01	1	-0.011	1	9999	Si
285	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.006	1	-0.007	1	9999	Si
287	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.006	1	-0.006	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-5245	-24858	-30838	SLV 13	0.37	764	1.029	598009	2241122	3131425	SLV 13	0.41	959	1.13	Si
41	-5391	-24858	-30740	SLV 13	0.37	746	1.019	598009	2241122	2804921	SLV 13	0.36	685	0.984	No
62	-5553	-24858	-30934	SLV 13	0.37	748	1.02	545543	2045333	3311741	SLV 13	0.48	1541	1.372	Si
82	-5714	-24858	-31090	SLV 13	0.37	748	1.02	434754	1641218	2592283	SLV 13	0.47	1429	1.331	Si
92	-5795	-24858	-31678	SLV 13	0.38	785	1.041	378119	1439227	1872797	SLV 13	0.38	780	1.038	Si
113	-5956	-24858	-32393	SLV 13	0.39	827	1.063	262366	1035496	1873055	SLV 13	0.55	2241	1.6	Si
133	-6118	-24858	-32393	SLV 13	0.38	814	1.056	-212370	-522761	-1422107	SLV 15	0.57	2474	1.666	Si
154	-6279	-24858	-32393	SLV 13	0.38	802	1.05	-344128	-925509	-1422107	SLV 15	0.42	1037	1.167	Si
174	-6440	-24858	-31830	SLV 13	0.37	749	1.021	-479195	-1329186	-2560899	SLV 15	0.56	2282	1.612	Si
195	-6602	-24858	-31712	SLV 13	0.37	729	1.01	-617571	-1733194	-3109041	SLV 15	0.51	1813	1.467	Si
215	-6763	-24858	-32571	SLV 13	0.38	780	1.038	-759257	2137356	1965538	SLV 1	0.46	1317	1.287	Si
236	-6925	-24858	-32571	SLV 13	0.37	768	1.032	-904253	-2541601	-3580208	SLV 15	0.38	807	1.053	Si
246	-7005	-24858	-32697	SLV 13	0.38	771	1.033	-977991	-2743743	-4273954	SLV 15	0.43	1125	1.206	Si
267	-7167	-24858	-32745	SLV 13	0.37	763	1.029	-1050225	-2939584	-4616296	SLV 15	0.44	1155	1.219	Si
285	-7313	-24858	-32782	SLV 13	0.37	755	1.024	-1050225	-2939584	-4920606	SLV 15	0.47	1435	1.333	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-5245	-8731	-30838	SLD 13	0.39	869	2.73	598009	991785	3131425	SLD 13	0.34	622	2.381	Si
41	-5391	-8731	-30740	SLD 13	0.39	849	2.704	598009	991785	2804921	SLD 13	0.3	450	2.085	Si
62	-5553	-8731	-30934	SLD 13	0.39	851	2.707	545543	905140	3311741	SLD 13	0.41	963	2.848	Si
82	-5714	-8731	-31090	SLD 13	0.39	851	2.707	434754	726304	2592283	SLD 13	0.4	898	2.767	Si
92	-5795	-8731	-31678	SLD 13	0.4	893	2.761	378119	636914	1872797	SLD 13	0.32	508	2.191	Si
113	-5956	-8731	-32393	SLD 13	0.41	941	2.821	262366	458248	1873055	SLD 13	0.47	1397	3.317	Si
133	-6118	-8731	-32393	SLD 13	0.4	926	2.802	-212370	-231342	-1422107	SLD 15	0.6	2474	4.193	Si
154	-6279	-8731	-32393	SLD 13	0.4	913	2.786	-344128	-409574	-1422107	SLD 15	0.35	668	2.451	Si
174	-6440	-8731	-31830	SLD 13	0.39	852	2.708	-479195	-588217	-2560899	SLD 15	0.47	1422	3.341	Si
195	-6602	-8731	-31712	SLD 13	0.39	830	2.679	-617571	-767007	-3109041	SLD 15	0.43	1134	3.045	Si
215	-6763	-8731	-32571	SLD 13	0.4	888	2.755	-759257	945865	1965538	SLD 1	0.39	833	2.683	Si
236	-6925	-8731	-32571	SLD 13	0.39	874	2.737	-904253	-1124759	-3580208	SLD 15	0.32	524	2.219	Si
246	-7005	-8731	-32697	SLD 13	0.4	877	2.741	-977991	-1214215	-4273954	SLD 15	0.37	721	2.529	Si
267	-7167	-8731	-32745	SLD 13	0.39	868	2.729	-1050225	-1300883	-4616296	SLD 15	0.37	738	2.553	Si
285	-7313	-8731	-32782	SLD 13	0.39	859	2.717	-1050225	-1300883	-4920606	SLD 15	0.4	901	2.771	Si

Campata 9 tra i fili 22 - 23, sezione R 45x70, asta 1009

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	41.81	6.5	22.81	5.4						-1328877	SLU 30	-1241376	-4920606	0.141	Si
20	41.81	6.5	22.81	5.4						-1172683	SLU 30	-1171959	-4920606	0.141	Si
23	41.81	6.5	22.81	5.4						-1156377	SLU 30	-1156377	-4920606	0.141	Si
41	39.25	6.6	22.51	5.4						-1020721	SLU 30	-1156377	-4623071	0.124	Si
61	36.37	6.7	19.78	5.4						-872991	SLU 30	-1085560	-4283448	0.124	Si
81	30.41	6.9	15.21	5.4						-729495	SLU 30	-936012	-3580208	0.117	Si
91	30.41	6.9	15.21	5.4						-659334	SLU 30	-862825	-3580208	0.117	Si
112	26.17	6.8	15.21	5.4						-522186	SLU 30	-719626	-3100219	0.108	Si
132	21.38	6.5	15.21	5.4						-389271	SLU 30	-580660	-2556406	0.1	Si
152	11.4	5.4	15.21	5.4						-262095	SLU 29	-445926	-1422107	0.084	Si
173	11.4	5.4	15.21	5.4	-82612	SLU 8	42862	1873055	0.09	-139171	SLU 29	-316276	-1422107	0.084	Si
193	11.4	5.4	15.21	5.4	1639	SLU 18	148535	1873055	0.09	-41943	SLU 19	-191533	-1422107	0.084	Si
213	16.2	5.4	15.21	5.4	100063	SLU 30	258468	1872700	0.088	30213	SLU 1	-76597	-1990954	0.09	Si
234	19.08	5.4	23.76	5.4	211815	SLU 30	364168	2885115	0.098						Si
244	20.52	5.4	25.81	5.4	266104	SLU 30	415431	3128082	0.1						Si
264	22.81	5.4	26.61	5.4	371507	SLU 30	462009	3222394	0.099						Si
282	22.81	5.4	26.61	5.4	462009	SLU 30	462009	3222394	0.099						Si
285	22.81	5.4	26.61	5.4	472677	SLU 30	472102	3222394	0.099						Si
305	22.81	5.4	26.61	5.4	569615	SLU 30	517063	3222394	0.099						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	41.81	6.5	22.81	5.4	2520943	SLV 13	2348350	2864315	0.102	-4308871	SLV 3	-4017743	-4920606	0.141	Si
20	41.81	6.5	22.81	5.4	2206999	SLV 13	2205386	2864315	0.102	-3783695	SLV 3	-3781119	-4920606	0.141	Si
23	41.81	6.5	22.81	5.4	2173295	SLV 13	2173295	2864315	0.102	-3728004	SLV 3	-3728004	-4920606	0.141	Si
41	39.25	6.6	22.51	5.4	1889931	SLV 13	2173295	2829697	0.104	-3261907	SLV 3	-3728004	-4623071	0.124	Si
61	36.37	6.7	19.78	5.4	1569800	SLV 13	2026499	2506060	0.103	-2743568	SLV 3	-3485739	-4283448	0.124	Si
81	30.41	6.9	15.21	5.4	1246710	SLV 13	1707676	1965538	0.102	-2228782	SLV 3	-2965909	-3580208	0.117	Si
91	30.41	6.9	15.21	5.4	1084110	SLV 13	1547128	1965538	0.102	-1972776	SLV 3	-2707300	-3580208	0.117	Si
112	26.17	6.8	15.21	5.4	756993	SLV 13	1223840	1945185	0.1	-1463729	SLV 3	-2192773	-3100219	0.108	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
132	21.38	6.5	15.21	5.4	427820	SLV 13	897806	1922025	0.097	-959139	SLV 3	-1682012	-2556406	0.1	Si
152	11.4	5.4	15.21	5.4	98044	SLV 13	569430	1873055	0.09	-460457	SLV 3	-1175421	-1422107	0.084	Si
173	11.4	5.4	15.21	5.4	95531	SLV 1	789128	1873055	0.09	-295551	SLV 15	-768386	-1422107	0.084	Si
193	11.4	5.4	15.21	5.4	579890	SLV 1	1276625	1873055	0.09	-624028	SLV 15	-1109311	-1422107	0.084	Si
213	16.2	5.4	15.21	5.4	1067150	SLV 1	1763346	1872700	0.088	-961917	SLV 15	-1455972	-1990954	0.09	Si
234	19.08	5.4	23.76	5.4	1554430	SLV 1	2248087	2885115	0.098	-1306339	SLV 15	-1807163	-2330930	0.091	Si
244	20.52	5.4	25.81	5.4	1797541	SLV 1	2489517	3128082	0.1	-1480463	SLV 15	-1984261	-2501027	0.091	Si
264	22.81	5.4	26.61	5.4	2282124	SLV 1	2712825	3222394	0.099	-1831955	SLV 15	-2149391	-2772355	0.093	Si
282	22.81	5.4	26.61	5.4	2712825	SLV 1	2712825	3222394	0.099	-2149391	SLV 15	-2149391	-2772355	0.093	Si
285	22.81	5.4	26.61	5.4	2764111	SLV 1	2758930	3222394	0.099	-2187362	SLV 15	-2182918	-2772355	0.093	Si
305	22.81	5.4	26.61	5.4	3243229	SLV 1	2964325	3222394	0.099	-2546414	SLV 15	-2332275	-2772355	0.093	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	41.81	6.5	22.81	5.4	617262	SLD 13	573923	2864315	0.102	-2405191	SLD 3	-2243316	-4920606	0.141	Si
20	41.81	6.5	22.81	5.4	537207	SLD 13	536762	2864315	0.102	-2113904	SLD 3	-2112495	-4920606	0.141	Si
23	41.81	6.5	22.81	5.4	528421	SLD 13	528421	2864315	0.102	-2083129	SLD 3	-2083129	-4920606	0.141	Si
41	39.25	6.6	22.51	5.4	453954	SLD 13	528421	2829697	0.104	-1825931	SLD 3	-2083129	-4623071	0.124	Si
61	36.37	6.7	19.78	5.4	367531	SLD 13	490068	2506060	0.103	-1541299	SLD 3	-1949307	-4283448	0.124	Si
81	30.41	6.9	15.21	5.4	277983	SLD 13	405003	1965538	0.102	-1260055	SLD 3	-1663236	-3580208	0.117	Si
91	30.41	6.9	15.21	5.4	232062	SLD 13	361287	1965538	0.102	-1120727	SLD 3	-1521460	-3580208	0.117	Si
112	26.17	6.8	15.21	5.4	138009	SLD 13	271524	1945185	0.1	-844745	SLD 3	-1240458	-3100219	0.108	Si
132	21.38	6.5	15.21	5.4	41232	SLD 13	178731	1922025	0.097	-572551	SLD 3	-962937	-2556406	0.1	Si
152	11.4	5.4	15.21	5.4	-57628	SLD 13	97239	1873055	0.09	-304786	SLD 3	-689078	-1422107	0.084	Si
173	11.4	5.4	15.21	5.4	-13475	SLD 1	355001	1873055	0.09	-186545	SLD 15	-419292	-1422107	0.084	Si
193	11.4	5.4	15.21	5.4	244322	SLD 1	611591	1873055	0.09	-288460	SLD 15	-444277	-1422107	0.084	Si
213	16.2	5.4	15.21	5.4	501587	SLD 1	866023	1872700	0.088	-396354	SLD 15	-558649	-1990954	0.09	Si
234	19.08	5.4	23.76	5.4	757046	SLD 1	1117764	2885115	0.098	-508955	SLD 15	-676840	-2330930	0.091	Si
244	20.52	5.4	25.81	5.4	883861	SLD 1	1242537	3128082	0.1	-566782	SLD 15	-737281	-2501027	0.091	Si
264	22.81	5.4	26.61	5.4	1135403	SLD 1	1357575	3222394	0.099	-685234	SLD 15	-794142	-2772355	0.093	Si
282	22.81	5.4	26.61	5.4	1357575	SLD 1	1357575	3222394	0.099	-794142	SLD 15	-794142	-2772355	0.093	Si
285	22.81	5.4	26.61	5.4	1383982	SLD 1	1381485	3222394	0.099	-807234	SLD 15	-805472	-2772355	0.093	Si
305	22.81	5.4	26.61	5.4	1629477	SLD 1	1488000	3222394	0.099	-932661	SLD 15	-855950	-2772355	0.093	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	36.37	0	7786	SLU 30	7786	15944	75610	0	15944	1	Si
20	0	30.41	0	7578	SLU 30	7578	15020	75610	0	15020	1	Si
23	0.273	30.41	0	7555	SLU 30	7555	15020	75610	31143	31143	1	Si
41	0.273	28.57	0	7369	SLU 30	7369	14703	75525	31108	31108	1	Si
61	0.273	23.78	0	7161	SLU 30	7161	13820	75415	31063	31063	1	Si
81	0.273	18.98	0	6953	SLU 30	6953	12797	75123	30943	30943	1	Si
91	0.273	11.4	0	6849	SLU 30	6849	10798	75123	30943	30943	1	Si
112	0.276	11.4	0	6641	SLU 30	6641	10810	75296	31422	31422	1	Si
132	0.276	11.4	0	6433	SLU 30	6433	10829	75575	31539	31539	1	Si
152	0.276	16.2	0	6225	SLU 30	6225	12278	76908	32095	32095	1	Si
173	0.276	19.08	0	6016	SLU 30	6016	12965	76908	32095	32095	1	Si
193	0.276	21.38	0	5808	SLU 30	5808	13467	76908	32095	32095	1	Si
213	0.259	15.21	0	5600	SLU 30	5600	12021	76908	30011	30011	1	Si
234	0.259	15.21	0	5392	SLU 30	5392	12021	76908	30011	30011	1	Si
244	0.259	15.21	0	5288	SLU 30	5288	12021	76908	30011	30011	1	Si
264	0.259	15.21	0	5080	SLU 30	5080	12021	76908	30011	30011	1	Si
282	0.259	15.21	0	4894	SLU 30	4894	12021	76908	30011	30011	1	Si
285	0	21.7	0	4872	SLU 30	4872	13535	76908	0	13535	1	Si
305	0	25.81	0	4663	SLU 30	4663	14340	76908	0	14340	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	36.37	0	25932	SLV 3	31303	15944	75610	0	15944	1	Si
0	0	19.78	0	-15383	SLV 13	-20754	-13122	-76908	0	-13122	1	Si
20	0	30.41	0	25772	SLV 3	31143	15020	75610	0	15020	1	Si
20	0	15.21	0	-15543	SLV 13	-20914	-12021	-76908	0	-12021	1	Si
23	0.273	30.41	0	25755	SLV 3	31126	15020	75610	31143	31143	1	Si
23	0.273	15.21	0	-15560	SLV 13	-20931	-12021	-76908	-31678	-31678	1	Si
41	0.273	28.57	0	25612	SLV 3	30982	14703	75525	31108	31108	1	Si
41	0.273	15.21	0	-15703	SLV 13	-21074	-12021	-76908	-31678	-31678	1	Si
61	0.273	23.78	0	25451	SLV 3	30822	13820	75415	31063	31063	1	Si
61	0.273	15.21	0	-15864	SLV 13	-21235	-12021	-76908	-31678	-31678	1	Si
81	0.273	18.98	0	25291	SLV 3	30662	12797	75123	30943	30943	1	Si
81	0.273	15.21	0	-16024	SLV 13	-21395	-12021	-76908	-31678	-31678	1	Si
91	0.273	11.4	0	25211	SLV 3	30582	10798	75123	30943	30943	1	Si
91	0.273	15.21	0	-16104	SLV 13	-21475	-12021	-76908	-31678	-31678	1	Si
112	0.276	11.4	0	25051	SLV 3	30422	10810	75296	31422	31422	1	Si
112	0.276	15.21	0	-16264	SLV 13	-21635	-12021	-76908	-32095	-32095	1	Si
132	0.276	11.4	0	24891	SLV 3	30262	10829	75575	31539	31539	1	Si
132	0.276	15.21	0	-16424	SLV 13	-21795	-12021	-76908	-32095	-32095	1	Si
152	0.276	16.2	0	24731	SLV 3	30102	12278	76908	32095	32095	1	Si
152	0.276	15.21	0	-16584	SLV 13	-21955	-12021	-76908	-32095	-32095	1	Si
173	0.276	15.21	0	24571	SLV 3	29942	12021	76908	32095	32095	1	Si
173	0.276	19.08	0	-16744	SLV 13	-22115	-12965	-76908	-32095	-32095	1	Si
193	0.276	15.21	0	24411	SLV 3	29782	12021	76908	32095	32095	1	Si
193	0.276	21.38	0	-16904	SLV 13	-22275	-13467	-76908	-32095	-32095	1	Si
213	0.259	15.21	0	24250	SLV 3	29621	12021	76908	30011	30011	1	Si
213	0.259	11.4	0	-17065	SLV 13	-22435	-10922	-76908	-30011	-30011	1	Si
234	0.259	15.21	0	24090	SLV 3	29461	12021	76908	30011	30011	1	Si
234	0.259	11.4	0	-17225	SLV 13	-22596	-10922	-76908	-30011	-30011	1	Si
244	0.259	15.21	0	24010	SLV 3	29381	12021	76908	30011	30011	1	Si
244	0.259	11.4	0	-17305	SLV 13	-22676	-10922	-76908	-30011	-30011	1	Si
264	0.259	15.21	0	23850	SLV 3	29221	12021	76908	30011	30011	1	Si
264	0.259	11.4	0	-17465	SLV 13	-22836	-10922	-76908	-30011	-30011	1	Si
282	0.259	15.21	0	23707	SLV 3	29078	12021	76908	30011	30011	1	Si
282	0.259	16.2	0	-17608	SLV 13	-22979	-12278	-76908	-30011	-30011	1	Si
285	0	21.7	0	23690	SLV 3	29061	13535	76908	0	13535	1	Si
285	0	17.64	0	-17625	SLV 13	-22996	-12631	-76908	0	-12631	1	Si
305	0	25.81	0	23530	SLV 3	28901	14340	76908	0	14340	1	Si
305	0	20.52	0	-17785	SLV 13	-23156	-13283	-76908	0	-13283	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	36.37	0	14416	SLD 3	14416	15944	75610	0	15944	1	Si
0	0	19.78	0	-3867	SLD 13	-3867	-13122	-76908	0	-13122	1	Si
20	0	30.41	0	14256	SLD 3	14256	15020	75610	0	15020	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
20	0	15.21	0	-4028	SLD 13	-4028	-12021	-76908	0	-12021	1	Si
23	0.273	30.41	0	14239	SLD 3	14239	15020	75610	31143	31143	1	Si
23	0.273	15.21	0	-4045	SLD 13	-4045	-12021	-76908	-31678	-31678	1	Si
41	0.273	28.57	0	14096	SLD 3	14096	14703	75525	31108	31108	1	Si
41	0.273	15.21	0	-4188	SLD 13	-4188	-12021	-76908	-31678	-31678	1	Si
61	0.273	23.78	0	13936	SLD 3	13936	13820	75415	31063	31063	1	Si
61	0.273	15.21	0	-4348	SLD 13	-4348	-12021	-76908	-31678	-31678	1	Si
81	0.273	18.98	0	13776	SLD 3	13776	12797	75123	30943	30943	1	Si
81	0.273	15.21	0	-4508	SLD 13	-4508	-12021	-76908	-31678	-31678	1	Si
91	0.273	11.4	0	13695	SLD 3	13695	10798	75123	30943	30943	1	Si
91	0.273	15.21	0	-4588	SLD 13	-4588	-12021	-76908	-31678	-31678	1	Si
112	0.276	11.4	0	13535	SLD 3	13535	10810	75296	31422	31422	1	Si
112	0.276	15.21	0	-4748	SLD 13	-4748	-12021	-76908	-32095	-32095	1	Si
132	0.276	11.4	0	13375	SLD 3	13375	10829	75575	31539	31539	1	Si
132	0.276	15.21	0	-4908	SLD 13	-4908	-12021	-76908	-32095	-32095	1	Si
152	0.276	16.2	0	13215	SLD 3	13215	12278	76908	32095	32095	1	Si
152	0.276	16.2	0	-5068	SLD 13	-5068	-12278	-76908	-32095	-32095	1	Si
173	0.276	19.08	0	13055	SLD 3	13055	12965	76908	32095	32095	1	Si
173	0.276	19.08	0	-5229	SLD 13	-5229	-12965	-76908	-32095	-32095	1	Si
193	0.276	15.21	0	12895	SLD 3	12895	12021	76908	32095	32095	1	Si
193	0.276	21.38	0	-5389	SLD 13	-5389	-13467	-76908	-32095	-32095	1	Si
213	0.259	15.21	0	12735	SLD 3	12735	12021	76908	30011	30011	1	Si
213	0.259	11.4	0	-5549	SLD 13	-5549	-10922	-76908	-30011	-30011	1	Si
234	0.259	15.21	0	12575	SLD 3	12575	12021	76908	30011	30011	1	Si
234	0.259	11.4	0	-5709	SLD 13	-5709	-10922	-76908	-30011	-30011	1	Si
244	0.259	15.21	0	12495	SLD 3	12495	12021	76908	30011	30011	1	Si
244	0.259	11.4	0	-5789	SLD 13	-5789	-10922	-76908	-30011	-30011	1	Si
264	0.259	15.21	0	12334	SLD 3	12334	12021	76908	30011	30011	1	Si
264	0.259	11.4	0	-5949	SLD 13	-5949	-10922	-76908	-30011	-30011	1	Si
282	0.259	15.21	0	12191	SLD 3	12191	12021	76908	30011	30011	1	Si
282	0.259	16.2	0	-6092	SLD 13	-6092	-12278	-76908	-30011	-30011	1	Si
285	0	21.7	0	12174	SLD 3	12174	13535	76908	0	13535	1	Si
285	0	17.64	0	-6109	SLD 13	-6109	-12631	-76908	0	-12631	1	Si
305	0	25.81	0	12014	SLD 3	12014	14340	76908	0	14340	1	Si
305	0	20.52	0	-6269	SLD 13	-6269	-13283	-76908	0	-13283	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-971158	3	-907052	18.7	124.5	400.1	1837	-893964	2	-834697	17.2	93.4	0	+∞	Si
20	-856797	3	-856270	17.6	124.5	377.7	1837	-788348	2	-787866	16.2	93.4	0	+∞	Si
23	-844871	3	-844871	17.4	124.5	372.7	1837	-777354	2	-777354	16	93.4	0	+∞	Si
41	-745691	3	-844871	17.8	124.5	397.1	1837	-685988	2	-777354	16.3	93.4	0	+∞	Si
61	-637841	3	-793080	17.6	124.5	403.5	1837	-586884	2	-729620	16.2	93.4	0	+∞	Si
81	-533247	3	-683831	16.9	124.5	419	1837	-491036	2	-629117	15.6	93.4	0	+∞	Si
91	-482171	3	-630428	15.6	124.5	386.3	1837	-444333	2	-580086	14.3	93.4	0	+∞	Si
112	-382461	3	-526063	13.5	124.5	369.3	1837	-353368	2	-484467	12.5	93.4	0	+∞	Si
132	-286006	3	-424954	11.6	124.5	358.2	1837	-265660	2	-392103	10.7	93.4	0	+∞	Si
152	-193813	2	-327100	10.7	124.5	484.4	1837	-181207	2	-302996	9.9	93.4	0	+∞	Si
173	-104887	2	-233070	7.7	124.5	345.1	1837	-100010	2	-217144	7.1	93.4	0	+∞	Si
193	-26345	1	-142746	4.7	124.5	211.4	1837	-26345	1	-134548	4.4	93.4	0	+∞	Si
213	67252	3	180827	5.3	124.5	202.5	1837	52616	2	153687	4.5	93.4	0	+∞	Si
234	147427	3	256347	6.3	124.5	186.3	1837	124045	2	220462	5.4	93.4	0	+∞	Si
244	186293	3	292886	6.9	124.5	196.3	1837	158539	2	252628	5.9	93.4	0	+∞	Si
264	261585	3	326031	7.4	124.5	211.7	1837	225085	2	281717	6.4	93.4	0	+∞	Si
282	326031	3	326031	7.4	124.5	211.7	1837	281717	2	281717	6.4	93.4	0	+∞	Si
285	333620	3	333207	7.6	124.5	216.4	1837	288374	2	288006	6.6	93.4	0	+∞	Si
305	402399	3	365177	8.3	124.5	237.1	1837	348408	2	316025	7.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	1	-0.005	1	9999	Si
23	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
41	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.008	1	-0.009	1	9999	Si
61	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.01	1	-0.012	1	9999	Si
81	-0.006	-0.008	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.012	1	-0.013	1	9999	Si
91	-0.006	-0.008	-0.005	-0.007	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.012	1	-0.013	1	9999	Si
102	-0.006	-0.008	-0.005	-0.007	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.012	1	-0.014	1	9999	Si
112	-0.006	-0.008	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.012	1	-0.014	1	9999	Si
132	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.012	1	-0.013	1	9999	Si
152	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.01	1	-0.012	1	9999	Si
173	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.009	1	-0.01	1	9999	Si
193	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.007	1	-0.008	1	9999	Si
213	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
234	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
244	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
264	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
282	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
285	0	0	0	0	0	0	0	0	0	0	0	2	-0.001	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5097	26028	31143	SLV 3	0.36	713	1.001	-777354	2950650	2864315	SLV 13	0.44	1209	1.242	Si
41	4954	26028	31108	SLV 3	0.37	720	1.005	-777354	2950650	2829697	SLV 13	0.44	1179	1.23	Si
61	4794	26028	31063	SLV 3	0.37	728	1.009	-729620	2756119	2506060	SLV 13	0.42	1059	1.177	Si
81	4634	26028	30943	SLV 3	0.37	730	1.01	-629117	2336792	1965538	SLV 13	0.4	918	1.11	Si
91	4554	26028	30943	SLV 3	0.37	736	1.014	-580086	2127214	1965538	SLV 13	0.43	1114	1.201	Si
112	4394	26028	31422	SLV 3	0.38	780	1.038	-484467	1708306	1945185	SLV 13	0.51	1763	1.45	Si
132	4233	26028	31539	SLV 3	0.38	800	1.049	-392103	-1289909	-2556406	SLV 3	0.57	2474	1.666	Si
152	4073	26028	32095	SLV 3	0.39	852	1.076	-302996	-872426	-1422107	SLV 3	0.46	1339	1.296	Si
173	3913	26028	32095	SLV 3	0.39	864	1.083	10371	-778757	-1422107	SLV 15	0.57	2474	1.666	Si
193	3753	26028	32095	SLV 3	0.39	876	1.089	83657	-1192968	-1422107	SLV 15	0.45	1283	1.273	Si
213	3593	26028	30011	SLV 3	0.37	738	1.015	153687	1609659	1872700	SLV 1	0.39	835	1.068	Si
234	3433	26028	30011	SLV 3	0.37	749	1.021	220462	-2027625	-2330930	SLV 15	0.45	1273	1.269	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
244	3353	26028	30011	SLV 3	0.37	754	1.024	252628	-2236889	-2501027	SLV 15	0.44	1201	1.239	Si
264	3193	26028	30011	SLV 3	0.37	765	1.03	281717	2431108	3222394	SLV 1	0.44	1146	1.215	Si
282	3050	26028	30011	SLV 3	0.38	775	1.035	281717	2431108	3222394	SLV 1	0.44	1146	1.215	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5097	9142	31143	SLD 3	0.38	811	2.654	-777354	1305775	2864315	SLD 13	0.38	770	2.598	Si
41	4954	9142	31108	SLD 3	0.38	819	2.665	-777354	1305775	2829697	SLD 13	0.37	752	2.573	Si
61	4794	9142	31063	SLD 3	0.39	828	2.677	-729620	1219688	2506060	SLD 13	0.36	682	2.472	Si
81	4634	9142	30943	SLD 3	0.39	831	2.681	-629117	1034120	1965538	SLD 13	0.34	595	2.338	Si
91	4554	9142	30943	SLD 3	0.39	838	2.69	-580086	941373	1965538	SLD 13	0.36	714	2.519	Si
112	4394	9142	31422	SLD 3	0.4	888	2.755	-484467	755991	1945185	SLD 13	0.43	1101	3.009	Si
132	4233	9142	31539	SLD 3	0.4	910	2.782	-392103	-570834	-2556406	SLD 3	0.5	1710	3.604	Si
152	4073	9142	32095	SLD 3	0.41	970	2.856	-302996	-386082	-1422107	SLD 3	0.39	845	2.699	Si
173	3913	9142	32095	SLD 3	0.41	984	2.873	10371	-344630	-1422107	SLD 15	0.55	2186	3.985	Si
193	3753	9142	32095	SLD 3	0.42	999	2.891	83657	-527934	-1422107	SLD 15	0.38	812	2.655	Si
213	3593	9142	30011	SLD 3	0.39	840	2.693	153687	712336	1872700	SLD 1	0.33	542	2.25	Si
234	3433	9142	30011	SLD 3	0.39	852	2.708	220462	-897302	-2330930	SLD 15	0.38	807	2.649	Si
244	3353	9142	30011	SLD 3	0.39	858	2.716	252628	-989909	-2501027	SLD 15	0.37	764	2.59	Si
264	3193	9142	30011	SLD 3	0.39	871	2.733	281717	1075858	3222394	SLD 1	0.37	733	2.546	Si
282	3050	9142	30011	SLD 3	0.4	882	2.747	281717	1075858	3222394	SLD 1	0.37	733	2.546	Si

Campata 10 tra i fili 23 - 24, sezione R 45x70, asta 1010

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	26.61	5.4	210727	SLU 18	210727	3222394	0.099						Si
17	22.81	5.4	26.61	5.4	216257	SLU 18	216257	3222394	0.099						Si
23	22.81	5.4	26.61	5.4	217434	SLU 18	220355	3222394	0.099						Si
34	22.81	5.4	26.57	5.4	219466	SLU 18	220355	3217864	0.099						Si
51	22.81	5.4	23.1	5.4	220355	SLU 18	222543	2807458	0.095						Si
60	22.81	5.4	21.37	5.4	219929	SLU 18	223332	2602242	0.093						Si
69	22.81	5.4	15.21	5.4	220594	SLU 12	223533	1872416	0.087						Si
77	22.81	5.4	15.21	5.4	222125	SLU 30	223533	1872416	0.087						Si
94	22.81	5.4	15.21	5.4	223533	SLU 30	223533	1872416	0.087						Si
112	22.81	5.4	15.21	5.4	221924	SLU 30	223533	1872416	0.087						Si
129	22.81	5.4	15.21	5.4	217298	SLU 30	223270	1872416	0.087						Si
146	22.81	5.4	15.21	5.4	210731	SLU 12	220737	1872416	0.087						Si
163	22.81	5.4	15.21	5.4	202157	SLU 12	215245	1872416	0.087						Si
180	22.81	5.4	18.37	5.4	191751	SLU 11	208280	2246745	0.09	20376	SLU 26	-21362	-2772869	0.097	Si
197	22.81	5.4	20.68	5.4	180543	SLU 11	198995	2520498	0.093	-3173	SLU 26	-50019	-2772761	0.096	Si
206	22.81	5.4	21.83	5.4	174069	SLU 11	193582	2657360	0.094	-16078	SLU 26	-65349	-2772682	0.095	Si
223	22.81	5.4	22.81	5.4	159380	SLU 11	182823	2772667	0.095	-44152	SLU 26	-65349	-2772667	0.095	Si
235	22.81	5.4	22.81	5.4	147835	SLU 11	174122	2772667	0.095	-65349	SLU 26	-65349	-2772667	0.095	Si
240	22.81	5.4	22.81	5.4	142370	SLU 11	142370	2772667	0.095	-75242	SLU 26	-74020	-2772667	0.095	Si
257	22.81	5.4	22.81	5.4	123040	SLU 11	123040	2772667	0.095	-109350	SLU 26	-86098	-2772667	0.095	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	26.61	5.4	2297468	SLV 13	2099816	3222394	0.099	-2135912	SLV 3	-1921371	-2772355	0.093	Si
17	22.81	5.4	26.61	5.4	1992366	SLV 13	1981837	3222394	0.099	-1807152	SLV 3	-1795804	-2772355	0.093	Si
23	22.81	5.4	26.61	5.4	1897143	SLV 13	1897143	3222394	0.099	-1705661	SLV 3	-1705661	-2772355	0.093	Si
34	22.81	5.4	26.57	5.4	1685424	SLV 13	1897143	3217864	0.099	-1481194	SLV 3	-1705661	-2772337	0.093	Si
51	22.81	5.4	23.1	5.4	1376812	SLV 13	1897143	2807458	0.095	-1158207	SLV 3	-1705661	-2772588	0.095	Si
60	22.81	5.4	21.37	5.4	1221960	SLV 13	1744872	2602242	0.093	-997908	SLV 3	-1544095	-2772748	0.096	Si
77	22.81	5.4	15.21	5.4	911456	SLV 13	1436572	1872416	0.087	-679992	SLV 3	-1220523	-2773116	0.1	Si
94	22.81	5.4	15.21	5.4	600945	SLV 13	1126823	1872416	0.087	-366709	SLV 3	-900143	-2773116	0.1	Si
112	22.81	5.4	15.21	5.4	433207	SLV 9	816159	1872416	0.087	-200842	SLV 7	-583489	-2773116	0.1	Si
129	22.81	5.4	15.21	5.4	452613	SLV 5	925221	1872416	0.087	-226760	SLV 11	-721117	-2773116	0.1	Si
146	22.81	5.4	15.21	5.4	720239	SLV 1	1221467	1872416	0.087	-505539	SLV 15	-1036376	-2773116	0.1	Si
163	22.81	5.4	15.21	5.4	1015980	SLV 1	1517953	1872416	0.087	-817074	SLV 15	-1356516	-2773116	0.1	Si
172	22.81	5.4	15.21	5.4	1164133	SLV 1	1666157	1872416	0.087	-974865	SLV 15	-1518288	-2773116	0.1	Si
180	22.81	5.4	18.37	5.4	1312363	SLV 1	1814272	2246745	0.09	-1133893	SLV 15	-1681131	-2772869	0.097	Si
197	22.81	5.4	20.68	5.4	1608850	SLV 1	2110041	2520498	0.093	-1455457	SLV 15	-2009837	-2772761	0.096	Si
206	22.81	5.4	21.83	5.4	1757010	SLV 1	2256402	2657360	0.094	-1617897	SLV 15	-2174253	-2772682	0.095	Si
223	22.81	5.4	22.81	5.4	2052926	SLV 1	2256402	2772667	0.095	-1945852	SLV 15	-2174253	-2772667	0.095	Si
235	22.81	5.4	22.81	5.4	2256402	SLV 1	2256402	2772667	0.095	-2174253	SLV 15	-2174253	-2772667	0.095	Si
240	22.81	5.4	22.81	5.4	2347995	SLV 1	2331420	2772667	0.095	-2277602	SLV 15	-2259558	-2772667	0.095	Si
257	22.81	5.4	22.81	5.4	2641894	SLV 1	2435920	2772667	0.095	-2612824	SLV 15	-2378386	-2772667	0.095	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	26.61	5.4	1061751	SLD 13	978989	3222394	0.099	-900194	SLD 3	-800544	-2772355	0.093	Si
17	22.81	5.4	26.61	5.4	933325	SLD 13	928894	3222394	0.099	-748111	SLD 3	-742860	-2772355	0.093	Si
23	22.81	5.4	26.61	5.4	892932	SLD 13	892932	3222394	0.099	-701450	SLD 3	-701450	-2772355	0.093	Si
34	22.81	5.4	26.57	5.4	802792	SLD 13	892932	3217864	0.099	-598562	SLD 3	-701450	-2772337	0.093	Si
51	22.81	5.4	23.1	5.4	670225	SLD 13	892932	2807458	0.095	-451620	SLD 3	-701450	-2772588	0.095	Si
60	22.81	5.4	21.37	5.4	603215	SLD 13	828137	2602242	0.093	-379163	SLD 3	-627360	-2772748	0.096	Si
77	22.81	5.4	15.21	5.4	467870	SLD 13	695959	1872416	0.087	-236406	SLD 3	-479910	-2773116	0.1	Si
94	22.81	5.4	15.21	5.4	331229	SLD 13	561846	1872416	0.087	-96994	SLD 3	-335166	-2773116	0.1	Si
112	22.81	5.4	15.21	5.4	256474	SLD 9	426034	1872416	0.087	-24109	SLD 7	-193364	-2773116	0.1	Si
129	22.81	5.4	15.21	5.4	263245	SLD 5	466334	1872416	0.087	-37391	SLD 11	-262230	-2773116	0.1	Si
146	22.81	5.4	15.21	5.4	378575	SLD 1	592134	1872416	0.087	-163875	SLD 15	-407043	-2773116	0.1	Si
163	22.81	5.4	15.21	5.4	505049	SLD 1	716747	1872416	0.087	-306143	SLD 15	-555310	-2773116	0.1	Si
172	22.81	5.4	15.21	5.4	567926	SLD 1	778551	1872416	0.087	-378658	SLD 15	-630682	-2773116	0.1	Si
180	22.81	5.4	18.37	5.4	630513	SLD 1	839992	2246745	0.09	-452043	SLD 15	-706851	-2772869	0.097	Si
197	22.81	5.4	20.68	5.4	754730	SLD 1	961700	2520498	0.093	-601337	SLD 15	-861497	-2772761	0.096	Si
206	22.81	5.4	21.83	5.4	816316	SLD 1	1021438	2657360	0.094	-677203	SLD 15	-939290	-2772682	0.095	Si
223	22.81	5.4	22.81	5.4	938340	SLD 1	1021438	2772667	0.095	-831266	SLD 15	-939290	-2772667	0.095	Si
235	22.81	5.4	22.81	5.4	1021438	SLD 1	1021438	2772667	0.095	-939290	SLD 15	-939290	-2772667	0.095	Si
240	22.81	5.4	22.81	5.4	1058695	SLD 1	1051770	2772667	0.095	-988303	SLD 15	-979907	-2772667	0.095	Si
257	22.81	5.4	22.81	5.4	1177239	SLD 1	1094022	2772667	0.095	-1148169	SLD 15	-1036487	-2772667	0.095	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	1190	SLU 20	1190	12021	76908	0	12021	1	Si
17	0	15.21	0	1014	SLU 20	1014	12021	76908	0	12021	1	Si
23	0.215	15.21	0	959	SLU 20	959	12021	76908	25009	25009	1	Si
34	0.215	15.21	0	838	SLU 20	838	12021	76908	25009	25009	1	Si
34	0.215	15.21	0	-64	SLU 17	-64	-12021	-76908	-25009	-25009	1	Si
51	0.215	15.21	0	662	SLU 20	662	12021	76908	25009	25009	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
51	0.215	15.21	0	-200	SLU 17	-200	-12021	-76908	-25009	-25009	1	Si
60	0.215	15.21	0	575	SLU 20	575	12021	76908	25009	25009	1	Si
60	0.215	15.21	0	-267	SLU 17	-267	-12021	-76908	-25009	-25009	1	Si
77	0.215	15.21	0	399	SLU 20	399	12021	76908	25009	25009	1	Si
77	0.215	15.21	0	-402	SLU 17	-402	-12021	-76908	-25009	-25009	1	Si
94	0.208	15.21	0	223	SLU 20	223	12021	76908	24147	24147	1	Si
94	0.208	15.21	0	-538	SLU 17	-538	-12021	-76908	-24147	-24147	1	Si
112	0.208	18.37	0	67	SLU 2	67	12802	76908	24147	24147	1	Si
112	0.208	18.37	0	-693	SLU 35	-693	-12802	-76908	-24147	-24147	1	Si
129	0.208	20.68	0	-869	SLU 35	-869	-13318	-76908	-24147	-24147	1	Si
146	0.208	15.21	0	-1044	SLU 35	-1044	-12021	-76908	-24147	-24147	1	Si
163	0.208	15.21	0	-1220	SLU 35	-1220	-12021	-76908	-24147	-24147	1	Si
180	0.215	15.21	0	-1396	SLU 35	-1396	-12021	-76908	-25009	-25009	1	Si
197	0.215	15.21	0	-1572	SLU 35	-1572	-12021	-76908	-25009	-25009	1	Si
206	0.215	15.21	0	-1659	SLU 35	-1659	-12021	-76908	-25009	-25009	1	Si
223	0.215	22.81	0	-1835	SLU 35	-1835	-13761	-76908	-25009	-25009	1	Si
235	0.215	22.81	0	-1956	SLU 35	-1956	-13761	-76908	-25009	-25009	1	Si
240	0	22.81	0	-2011	SLU 35	-2011	-13761	-76908	0	-13761	1	Si
257	0	22.81	0	-2187	SLU 35	-2187	-13761	-76908	0	-13761	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	19351	SLV 3	24186	13761	76908	0	13761	1	Si
0	0	15.21	0	-17838	SLV 13	-22673	-12021	-76908	0	-12021	1	Si
17	0	22.81	0	19216	SLV 3	24051	13761	76908	0	13761	1	Si
17	0	15.21	0	-17973	SLV 13	-22808	-12021	-76908	0	-12021	1	Si
23	0.215	22.81	0	19174	SLV 3	24009	13761	76908	25009	25009	1	Si
23	0.215	15.21	0	-18015	SLV 13	-22850	-12021	-76908	-25009	-25009	1	Si
34	0.215	22.81	0	19081	SLV 3	23916	13761	76908	25009	25009	1	Si
34	0.215	15.21	0	-18109	SLV 13	-22943	-12021	-76908	-25009	-25009	1	Si
51	0.215	22.81	0	18946	SLV 3	23781	13761	76908	25009	25009	1	Si
51	0.215	15.21	0	-18244	SLV 13	-23078	-12021	-76908	-25009	-25009	1	Si
60	0.215	22.81	0	18878	SLV 3	23713	13761	76908	25009	25009	1	Si
60	0.215	15.21	0	-18311	SLV 13	-23146	-12021	-76908	-25009	-25009	1	Si
77	0.215	22.81	0	18743	SLV 3	23578	13761	76908	25009	25009	1	Si
77	0.215	15.21	0	-18447	SLV 13	-23281	-12021	-76908	-25009	-25009	1	Si
94	0.208	22.81	0	18608	SLV 3	23443	13761	76908	24147	24147	1	Si
94	0.208	15.21	0	-18582	SLV 13	-23416	-12021	-76908	-24147	-24147	1	Si
112	0.208	22.81	0	18473	SLV 3	23307	13761	76908	24147	24147	1	Si
112	0.208	18.37	0	-18717	SLV 13	-23552	-12802	-76908	-24147	-24147	1	Si
129	0.208	20.68	0	18338	SLV 3	23172	13318	76908	24147	24147	1	Si
129	0.208	22.81	0	-18852	SLV 13	-23687	-13761	-76908	-24147	-24147	1	Si
146	0.208	15.21	0	18202	SLV 3	23037	12021	76908	24147	24147	1	Si
146	0.208	22.81	0	-18987	SLV 13	-23822	-13761	-76908	-24147	-24147	1	Si
163	0.208	15.21	0	18067	SLV 3	22902	12021	76908	24147	24147	1	Si
163	0.208	22.81	0	-19122	SLV 13	-23957	-13761	-76908	-24147	-24147	1	Si
180	0.215	15.21	0	17932	SLV 3	22767	12021	76908	25009	25009	1	Si
180	0.215	22.81	0	-19258	SLV 13	-24092	-13761	-76908	-25009	-25009	1	Si
197	0.215	15.21	0	17797	SLV 3	22631	12021	76908	25009	25009	1	Si
197	0.215	22.81	0	-19393	SLV 13	-24227	-13761	-76908	-25009	-25009	1	Si
206	0.215	15.21	0	17729	SLV 3	22564	12021	76908	25009	25009	1	Si
206	0.215	22.81	0	-19460	SLV 13	-24295	-13761	-76908	-25009	-25009	1	Si
223	0.215	15.21	0	17594	SLV 3	22429	12021	76908	25009	25009	1	Si
223	0.215	22.81	0	-19596	SLV 13	-24430	-13761	-76908	-25009	-25009	1	Si
235	0.215	15.21	0	17501	SLV 3	22336	12021	76908	25009	25009	1	Si
235	0.215	22.81	0	-19689	SLV 13	-24523	-13761	-76908	-25009	-25009	1	Si
240	0	15.21	0	17459	SLV 3	22294	12021	76908	0	12021	1	Si
240	0	22.81	0	-19731	SLV 13	-24565	-13761	-76908	0	-13761	1	Si
257	0	19.52	0	17324	SLV 3	22158	13065	76908	0	13065	1	Si
257	0	22.81	0	-19866	SLV 13	-24701	-13761	-76908	0	-13761	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	8986	SLD 3	8986	13761	76908	0	13761	1	Si
0	0	15.21	0	-7472	SLD 13	-7472	-12021	-76908	0	-12021	1	Si
17	0	22.81	0	8850	SLD 3	8850	13761	76908	0	13761	1	Si
17	0	15.21	0	-7607	SLD 13	-7607	-12021	-76908	0	-12021	1	Si
23	0.215	22.81	0	8808	SLD 3	8808	13761	76908	25009	25009	1	Si
23	0.215	15.21	0	-7649	SLD 13	-7649	-12021	-76908	-25009	-25009	1	Si
34	0.215	22.81	0	8715	SLD 3	8715	13761	76908	25009	25009	1	Si
34	0.215	15.21	0	-7743	SLD 13	-7743	-12021	-76908	-25009	-25009	1	Si
51	0.215	22.81	0	8580	SLD 3	8580	13761	76908	25009	25009	1	Si
51	0.215	15.21	0	-7878	SLD 13	-7878	-12021	-76908	-25009	-25009	1	Si
60	0.215	22.81	0	8512	SLD 3	8512	13761	76908	25009	25009	1	Si
60	0.215	15.21	0	-7945	SLD 13	-7945	-12021	-76908	-25009	-25009	1	Si
77	0.215	22.81	0	8377	SLD 3	8377	13761	76908	25009	25009	1	Si
77	0.215	15.21	0	-8081	SLD 13	-8081	-12021	-76908	-25009	-25009	1	Si
94	0.208	22.81	0	8242	SLD 3	8242	13761	76908	24147	24147	1	Si
94	0.208	15.21	0	-8216	SLD 13	-8216	-12021	-76908	-24147	-24147	1	Si
112	0.208	18.37	0	8107	SLD 3	8107	12802	76908	24147	24147	1	Si
112	0.208	18.37	0	-8351	SLD 13	-8351	-12802	-76908	-24147	-24147	1	Si
129	0.208	20.68	0	7972	SLD 3	7972	13318	76908	24147	24147	1	Si
129	0.208	20.68	0	-8486	SLD 13	-8486	-13318	-76908	-24147	-24147	1	Si
146	0.208	15.21	0	7836	SLD 3	7836	12021	76908	24147	24147	1	Si
146	0.208	22.81	0	-8621	SLD 13	-8621	-13761	-76908	-24147	-24147	1	Si
163	0.208	15.21	0	7701	SLD 3	7701	12021	76908	24147	24147	1	Si
163	0.208	22.81	0	-8757	SLD 13	-8757	-13761	-76908	-24147	-24147	1	Si
180	0.215	15.21	0	7566	SLD 3	7566	12021	76908	25009	25009	1	Si
180	0.215	22.81	0	-8892	SLD 13	-8892	-13761	-76908	-25009	-25009	1	Si
197	0.215	15.21	0	7431	SLD 3	7431	12021	76908	25009	25009	1	Si
197	0.215	22.81	0	-9027	SLD 13	-9027	-13761	-76908	-25009	-25009	1	Si
206	0.215	15.21	0	7363	SLD 3	7363	12021	76908	25009	25009	1	Si
206	0.215	22.81	0	-9095	SLD 13	-9095	-13761	-76908	-25009	-25009	1	Si
223	0.215	15.21	0	7228	SLD 3	7228	12021	76908	25009	25009	1	Si
223	0.215	22.81	0	-9230	SLD 13	-9230	-13761	-76908	-25009	-25009	1	Si
235	0.215	15.21	0	7135	SLD 3	7135	12021	76908	25009	25009	1	Si
235	0.215	22.81	0	-9323	SLD 13	-9323	-13761	-76908	-25009	-25009	1	Si
240	0	15.21	0	7093	SLD 3	7093	12021	76908	0	12021	1	Si
240	0	22.81	0	-9365	SLD 13	-9365	-13761	-76908	0	-13761	1	Si
257	0	19.52	0	6958	SLD 3	6958	13065	76908	0	13065	1	Si
257	0	22.81	0	-9500	SLD 13	-9500	-13761	-76908	0	-13761	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	127758	9	127758	2.9	124.5	83	1837	80778	2	80778	1.8	93.4	0	+∞	Si
17	135702	9	135702	3.1	124.5	88.1	1837	92607	2	92607	2.1	93.4	0	+∞	Si
23	137629	9	144635	3.3	124.5	93.9	1837	95741	2	109325	2.5	93.4	0	+∞	Si
34	141325	9	145487	3.3	124.5	94.6	1837	102115	2	112855	2.6	93.4	0	+∞	Si
51	144628	9	148573	3.5	124.5	110.5	1837	109302	2	116112	2.8	93.4	0	+∞	Si
60	145409	9	149263	3.6	124.5	119.7	1837	112026	2	116871	2.8	93.4	0	+∞	Si
77	148219	3	149468	4.1	124.5	166.7	1837	115732	2	117118	3.2	93.4	0	+∞	Si
94	149468	3	149468	4.1	124.5	166.7	1837	117118	2	117118	3.2	93.4	0	+∞	Si
112	148397	3	149468	4.1	124.5	166.7	1837	116183	2	117118	3.2	93.4	0	+∞	Si
129	145005	3	149318	4.1	124.5	166.5	1837	112927	2	117009	3.2	93.4	0	+∞	Si
146	139292	3	147535	4	124.5	164.5	1837	107350	2	115362	3.1	93.4	0	+∞	Si
163	131258	3	143431	3.9	124.5	160	1837	99453	2	111395	3	93.4	0	+∞	Si
180	121229	2	137006	3.5	124.5	127.2	1837	89235	2	105107	2.7	93.4	0	+∞	Si
197	109892	2	128261	3.2	124.5	106.2	1837	76696	2	96498	2.4	93.4	0	+∞	Si
206	103354	2	123085	3	124.5	96.7	1837	69557	2	91323	2.2	93.4	0	+∞	Si
223	88536	2	112197	2.7	124.5	84.5	1837	53537	2	79233	1.9	93.4	0	+∞	Si
223	-11232	8	-27822	0.7	124.5	21	1837								Si
235	76902	2	103407	2.5	124.5	77.9	1837	41074	2	69615	1.7	93.4	0	+∞	Si
235	-27822	8	-27822	0.7	124.5	21	1837	-12666	1	-12666	0.3	93.4	0	+∞	Si
240	71397	2	71397	1.7	124.5	53.8	1837	35196	2	35196	0.8	93.4	0	+∞	Si
240	-35560	8	-34604	0.8	124.5	26.1	1837	-19105	1	-18303	0.4	93.4	0	+∞	Si
257	51937	2	51937	1.2	124.5	39.1	1837	14535	2	14535	0.3	93.4	0	+∞	Si
257	-62209	8	-44053	1	124.5	33.2	1837	-41568	1	-26155	0.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.001	2	0.001	2	9999	Si
23	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.001	2	0.001	2	9999	Si
34	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
51	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.002	2	9999	Si
60	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.002	2	9999	Si
77	0.003	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.004	2	0.002	2	9999	Si
94	0.003	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.004	2	0.002	2	9999	Si
112	0.003	0.002	0.002	0.001	0.003	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
120	0.003	0.002	0.003	0.001	0.003	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
129	0.003	0.001	0.003	0.001	0.003	0.001	0.002	0.001	0.002	0.001	0.004	2	0.003	2	9999	Si
146	0.003	0.001	0.002	0.001	0.003	0.001	0.002	0.001	0.002	0.001	0.004	2	0.002	2	9999	Si
163	0.003	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.004	2	0.002	2	9999	Si
180	0.003	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.003	2	0.002	2	9999	Si
197	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.001	2	9999	Si
206	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
223	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.002	2	0.001	2	9999	Si
235	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.001	2	0.001	2	9999	Si
240	0.001	0	0.001	0	0.001	0	0	0	0	0	0.001	2	0	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	579	23429	25009	SLV 3	0.38	788	1.042	95741	-1801402	-2772355	SLV 3	0.57	2385	1.642	Si
34	486	23429	25009	SLV 3	0.38	795	1.046	95741	-1801402	-2772337	SLV 3	0.57	2385	1.642	Si
51	351	23429	25009	SLV 3	0.38	806	1.052	95741	1801402	2807458	SLV 13	0.54	2052	1.543	Si
60	283	23429	25009	SLV 3	0.38	811	1.055	100388	1644483	2602242	SLV 13	0.54	2111	1.561	Si
77	148	23429	25009	SLV 3	0.39	822	1.061	108025	1328548	1872416	SLV 13	0.48	1468	1.345	Si
94	13	23429	24147	SLV 3	0.37	765	1.03	113340	1013483	1872416	SLV 13	0.57	2474	1.666	Si
112	-122	-23429	-24147	SLV 13	0.37	756	1.025	116335	699824	1872416	SLV 13	0.57	2474	1.666	Si
129	-257	-23429	-24147	SLV 13	0.37	746	1.019	102052	823169	1872416	SLV 1	0.57	2474	1.666	Si
146	-392	-23429	-24147	SLV 13	0.37	736	1.014	92546	1128922	1872416	SLV 1	0.56	2323	1.624	Si
163	-528	-23429	-24147	SLV 13	0.37	725	1.007	80718	1437235	1872416	SLV 1	0.45	1242	1.256	Si
180	-663	-23429	-25009	SLV 13	0.38	781	1.039	66571	1747701	2246745	SLV 1	0.45	1244	1.257	Si
197	-798	-23429	-25009	SLV 13	0.38	771	1.033	50102	2059939	2520498	SLV 1	0.43	1121	1.205	Si
206	-866	-23429	-25009	SLV 13	0.37	765	1.03	41074	2215327	2657360	SLV 1	0.43	1076	1.184	Si
223	-1001	-23429	-25009	SLV 13	0.37	755	1.024	41074	2215327	2772667	SLV 1	0.44	1206	1.241	Si
235	-1094	-23429	-25009	SLV 13	0.37	748	1.02	41074	2215327	2772667	SLV 1	0.44	1206	1.241	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	579	8229	25009	SLD 3	0.4	897	2.766	95741	-797191	-2772355	SLD 3	0.48	1486	3.402	Si
34	486	8229	25009	SLD 3	0.4	905	2.776	95741	-797191	-2772337	SLD 3	0.48	1486	3.402	Si
51	351	8229	25009	SLD 3	0.4	917	2.791	95741	797191	2807458	SLD 13	0.45	1280	3.2	Si
60	283	8229	25009	SLD 3	0.4	923	2.799	100388	727749	2602242	SLD 13	0.46	1317	3.238	Si
77	148	8229	25009	SLD 3	0.41	935	2.814	108025	587934	1872416	SLD 13	0.4	921	2.796	Si
94	13	8229	24147	SLD 3	0.39	871	2.733	113340	448506	1872416	SLD 13	0.52	1872	3.74	Si
112	-122	-8229	-24147	SLD 13	0.39	860	2.719	116335	309699	1872416	SLD 13	0.6	2474	4.193	Si
129	-257	-8229	-24147	SLD 13	0.39	849	2.704	102052	364282	1872416	SLD 1	0.6	2474	4.193	Si
146	-392	-8229	-24147	SLD 13	0.39	838	2.69	92546	499589	1872416	SLD 1	0.47	1448	3.366	Si
163	-528	-8229	-24147	SLD 13	0.39	825	2.673	80718	636029	1872416	SLD 1	0.38	788	2.623	Si
180	-663	-8229	-25009	SLD 13	0.4	889	2.756	66571	773422	2246745	SLD 1	0.38	790	2.626	Si
197	-798	-8229	-25009	SLD 13	0.4	877	2.741	50102	911599	2520498	SLD 1	0.37	717	2.523	Si
206	-866	-8229	-25009	SLD 13	0.39	871	2.733	41074	980364	2657360	SLD 1	0.36	691	2.485	Si
223	-1001	-8229	-25009	SLD 13	0.39	859	2.717	41074	980364	2772667	SLD 1	0.38	768	2.596	Si
235	-1094	-8229	-25009	SLD 13	0.39	851	2.707	41074	980364	2772667	SLD 1	0.38	768	2.596	Si

Campata 11 tra i fili 24 - 25, sezione R 45x70, asta 1011

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	5.4	189520	SLU 12	188126	2772667	0.095	-258152	SLU 19	-225047	-2772667	0.095	Si
20	22.81	5.4	22.81	5.4	185548	SLU 12	185462	2772667	0.095	-200723	SLU 19	-200459	-2772667	0.095	Si
23	22.81	5.4	22.81	5.4	184810	SLU 12	184810	2772667	0.095	-194440	SLU 19	-194440	-2772667	0.095	Si
40	22.81	5.4	21.97	5.4	178372	SLU 12	184810	2673845	0.094	-147459	SLU 19	-194440	-2772647	0.095	Si
61	20.59	5.4	19.26	5.4	167994	SLU 12	181894	2352542	0.092	-98358	SLU 19	-170515	-2509853	0.094	Si
71	19.16	5.4	15.21	5.4	161604	SLU 12	177812	1872558	0.088	-75368	SLU 19	-144525	-2341321	0.094	Si
81	17.73	5.4	15.21	5.4	154414	SLU 12	172930	1872614	0.088	-53420	SLU 19	-119576	-2172423	0.092	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
91	16.31	5.4	15.21	5.4	146422	SLU 12	167247	1872681	0.088	-32513	SLU 19	-95667	-2003508	0.09	Si
111	11.4	5.4	15.21	5.4	128037	SLU 12	153478	1873055	0.09	6180	SLU 19	-50973	-1422107	0.084	Si
131	11.4	5.4	15.21	5.4	112053	SLU 29	136508	1873055	0.09	33159	SLU 8	-10443	-1422107	0.084	Si
151	11.4	5.4	15.21	5.4	99151	SLU 29	116795	1873055	0.09						Si
171	18.96	6	15.21	5.4	97275	SLU 19	127664	1897677	0.093						Si
192	23.72	6.2	26.56	7.1	119313	SLU 19	143701	3165530	0.113	20431	SLU 18	-28174	-2904287	0.123	Si
212	28.47	6.4	30.41	7.4	137188	SLU 19	155574	3602364	0.119	-11927	SLU 12	-67189	-3422108	0.135	Si
232	30.41	6.4	26.81	7.7	150899	SLU 19	163283	3185246	0.113	-49528	SLU 12	-109407	-3607157	0.146	Si
242	30.41	6.4	30.41	7.4	156193	SLU 19	165576	3609343	0.118	-69530	SLU 12	-131717	-3632014	0.139	Si
262	30.41	6.4	26.95	7.7	163659	SLU 19	166139	3202531	0.114	-111935	SLU 12	-140667	-3608167	0.145	Si
275	30.41	6.4	30.41	7.4	166139	SLU 19	166139	3609343	0.118	-140667	SLU 12	-140667	-3632014	0.139	Si
282	30.41	6.4	30.41	7.4	166961	SLU 19	166961	3609343	0.118	-157543	SLU 12	-155178	-3632014	0.139	Si
303	30.41	6.4	30.41	7.4	166100	SLU 19	166100	3609343	0.118	-206354	SLU 12	-172061	-3632014	0.139	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	5.4	2209217	SLV 13	2007117	2772667	0.095	-2291858	SLV 3	-2060455	-2772667	0.095	Si
20	22.81	5.4	22.81	5.4	1845019	SLV 13	1842832	2772667	0.095	-1878079	SLV 3	-1875719	-2772667	0.095	Si
23	22.81	5.4	22.81	5.4	1802617	SLV 13	1802617	2772667	0.095	-1830497	SLV 3	-1830497	-2772667	0.095	Si
40	22.81	5.4	21.97	5.4	1477807	SLV 13	1802617	2673845	0.094	-1467694	SLV 3	-1830497	-2772647	0.095	Si
61	20.59	5.4	19.26	5.4	1107764	SLV 13	1640252	2352542	0.092	-1060881	SLV 3	-1648493	-2509853	0.094	Si
81	17.73	5.4	15.21	5.4	735451	SLV 13	1271429	1872614	0.088	-658205	SLV 3	-1240072	-2172423	0.092	Si
91	16.31	5.4	15.21	5.4	563463	SLV 9	1086003	1872681	0.088	-473438	SLV 7	-1037251	-2003508	0.09	Si
111	11.4	5.4	15.21	5.4	350811	SLV 5	713644	1873055	0.09	-240031	SLV 11	-634903	-1422107	0.084	Si
131	11.4	5.4	15.21	5.4	435471	SLV 1	922234	1873055	0.09	-310341	SLV 15	-787773	-1422107	0.084	Si
151	11.4	5.4	15.21	5.4	767704	SLV 1	1308337	1873055	0.09	-634629	SLV 15	-1175166	-1422107	0.084	Si
171	18.96	6	15.21	5.4	1139579	SLV 3	1691019	1897677	0.093	-1004966	SLV 13	-1565542	-2294066	0.095	Si
192	23.72	6.2	26.56	7.1	1522171	SLV 3	2072015	3165530	0.113	-1392424	SLV 13	-1960638	-2904287	0.123	Si
212	28.47	6.4	30.41	7.4	1904136	SLV 3	2450372	3602364	0.119	-1785661	SLV 13	-2359500	-3422108	0.135	Si
232	30.41	6.4	26.81	7.7	2283719	SLV 3	2825798	3185246	0.113	-2182922	SLV 13	-2761837	-3607157	0.146	Si
242	30.41	6.4	30.41	7.4	2472460	SLV 3	3012372	3609343	0.118	-2382903	SLV 13	-2964268	-3632014	0.139	Si
262	30.41	6.4	26.95	7.7	2847711	SLV 3	3084844	3202531	0.114	-2785440	SLV 13	-3043430	-3608167	0.145	Si
275	30.41	6.4	30.41	7.4	3084844	SLV 3	3084844	3609343	0.118	-3043430	SLV 13	-3043430	-3632014	0.139	Si
282	30.41	6.4	30.41	7.4	3219907	SLV 3	3202119	3609343	0.118	-3191327	SLV 13	-3171598	-3632014	0.139	Si
303	30.41	6.4	30.41	7.4	3588991	SLV 3	3338563	3609343	0.118	-3600507	SLV 13	-3320716	-3632014	0.139	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	5.4	954630	SLD 13	873360	2772667	0.095	-1037270	SLD 3	-926698	-2772667	0.095	Si
20	22.81	5.4	22.81	5.4	807277	SLD 13	806358	2772667	0.095	-840338	SLD 3	-839244	-2772667	0.095	Si
23	22.81	5.4	22.81	5.4	789956	SLD 13	789956	2772667	0.095	-817836	SLD 3	-817836	-2772667	0.095	Si
40	22.81	5.4	21.97	5.4	656805	SLD 13	789956	2673845	0.094	-646692	SLD 3	-817836	-2772647	0.095	Si
61	20.59	5.4	19.26	5.4	503295	SLD 13	723578	2352542	0.092	-456413	SLD 3	-731818	-2509853	0.094	Si
81	17.73	5.4	15.21	5.4	346995	SLD 13	571396	1872614	0.088	-269749	SLD 3	-540039	-2172423	0.092	Si
91	16.31	5.4	15.21	5.4	274440	SLD 9	494186	1872681	0.088	-184415	SLD 7	-445434	-2003508	0.09	Si
111	11.4	5.4	15.21	5.4	186118	SLD 5	337761	1873055	0.09	-75338	SLD 11	-259020	-1422107	0.084	Si
131	11.4	5.4	15.21	5.4	227588	SLD 1	445603	1873055	0.09	-102458	SLD 15	-311142	-1422107	0.084	Si
151	11.4	5.4	15.21	5.4	376829	SLD 1	616110	1873055	0.09	-243754	SLD 15	-482938	-1422107	0.084	Si
171	18.96	6	15.21	5.4	541829	SLD 3	783318	1897677	0.093	-407216	SLD 13	-657840	-2294066	0.095	Si
192	23.72	6.2	26.56	7.1	709786	SLD 3	947993	3165530	0.113	-580039	SLD 13	-836616	-2904287	0.123	Si
212	28.47	6.4	30.41	7.4	875678	SLD 3	1109716	3602364	0.119	-757204	SLD 13	-1018844	-3422108	0.135	Si
232	30.41	6.4	26.81	7.7	1038732	SLD 3	1268356	3185246	0.113	-937934	SLD 13	-1204395	-3607157	0.146	Si
242	30.41	6.4	30.41	7.4	1119124	SLD 3	1346502	3609343	0.118	-1029567	SLD 13	-1298398	-3632014	0.139	Si
262	30.41	6.4	26.95	7.7	1277582	SLD 3	1376709	3202531	0.114	-1215311	SLD 13	-1335295	-3608167	0.145	Si
275	30.41	6.4	30.41	7.4	1376709	SLD 3	1376709	3609343	0.118	-1335295	SLD 13	-1335295	-3632014	0.139	Si
282	30.41	6.4	30.41	7.4	1432903	SLD 3	1425572	3609343	0.118	-1404323	SLD 13	-1395051	-3632014	0.139	Si
303	30.41	6.4	30.41	7.4	1585061	SLD 3	1482421	3609343	0.118	-1596577	SLD 13	-1464574	-3632014	0.139	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	20.59	0	2951	SLU 19	2951	13298	76908	0	13298	1	Si
0	0	19.26	0	-118	SLU 12	-118	-13006	-76908	0	-13006	1	Si
20	0	17.73	0	2744	SLU 19	2744	12654	76908	0	12654	1	Si
20	0	15.21	0	-276	SLU 12	-276	-12021	-76908	0	-12021	1	Si
23	0.23	16.31	0	2721	SLU 19	2721	12305	76908	26676	26676	1	Si
23	0.23	15.21	0	-295	SLU 12	-295	-12021	-76908	-26676	-26676	1	Si
40	0.23	11.4	0	2538	SLU 19	2538	10922	76908	26676	26676	1	Si
40	0.23	15.21	0	-435	SLU 12	-435	-12021	-76908	-26676	-26676	1	Si
61	0.23	11.4	0	2332	SLU 19	2332	10922	76908	26676	26676	1	Si
61	0.23	15.21	0	-594	SLU 12	-594	-12021	-76908	-26676	-26676	1	Si
81	0.23	11.4	0	2125	SLU 19	2125	10922	76908	26676	26676	1	Si
81	0.23	15.21	0	-753	SLU 12	-753	-12021	-76908	-26676	-26676	1	Si
91	0.23	11.4	0	2022	SLU 19	2022	10922	76908	26676	26676	1	Si
91	0.23	15.21	0	-832	SLU 12	-832	-12021	-76908	-26676	-26676	1	Si
111	0.223	15.21	0	1815	SLU 19	1815	12021	76908	25935	25935	1	Si
111	0.223	15.21	0	-991	SLU 12	-991	-12021	-76908	-25935	-25935	1	Si
131	0.223	15.21	0	1609	SLU 19	1609	12021	76908	25935	25935	1	Si
131	0.223	15.21	0	-1150	SLU 12	-1150	-12021	-76908	-25935	-25935	1	Si
151	0.223	15.21	0	1402	SLU 19	1402	12021	76908	25935	25935	1	Si
151	0.223	15.21	0	-1309	SLU 12	-1309	-12021	-76908	-25935	-25935	1	Si
171	0.223	15.21	0	1196	SLU 19	1196	12021	76908	25935	25935	1	Si
171	0.223	15.21	0	-1467	SLU 12	-1467	-12021	-76908	-25935	-25935	1	Si
192	0.223	15.21	0	990	SLU 19	990	11865	74872	25249	25249	1	Si
192	0.223	15.21	0	-1626	SLU 12	-1626	-11865	-74872	-25249	-25249	1	Si
212	0.23	15.21	0	783	SLU 19	783	11838	74527	25850	25850	1	Si
212	0.23	11.4	0	-1785	SLU 12	-1785	-10842	-75766	-26280	-26280	1	Si
232	0.23	15.21	0	577	SLU 19	577	11814	74207	25740	25740	1	Si
232	0.23	18.96	0	-1944	SLU 12	-1944	-12842	-75718	-26263	-26263	1	Si
242	0.23	23.85	0	473	SLU 19	473	13754	74527	25850	25850	1	Si
242	0.23	21.34	0	-2023	SLU 12	-2023	-13357	-75718	-26263	-26263	1	Si
262	0.23	29.28	0	267	SLU 19	267	14698	74222	25745	25745	1	Si
262	0.23	26.09	0	-2182	SLU 12	-2182	-14283	-75718	-26263	-26263	1	Si
275	0.23	30.41	0	136	SLU 19	136	14915	74527	25850	25850	1	Si
275	0.23	28.47	0	-2283	SLU 12	-2283	-14704	-75718	-26263	-26263	1	Si
282	0	29.52	0	61	SLU 19	61	14769	74527	0	14769	1	Si
282	0	30.41	0	-2341	SLU 12	-2341	-15031	-75718	0	-15031	1	Si
303	0	30.41	0	-2500	SLU 12	-2500	-15031	-75718	0	-15031	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	20.59	0	20618	SLV 3	25638	13298	76908	0	13298	1	Si
0	0	19.26	0	-18001	SLV 13	-23021	-13006	-76908	0	-13006	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
20	0	17.73	0	20459	SLV 3	25480	12654	76908	0	12654	1	Si
20	0	15.21	0	-18159	SLV 13	-23180	-12021	-76908	0	-12021	1	Si
23	0.23	16.31	0	20441	SLV 3	25461	12305	76908	26676	26676	1	Si
23	0.23	15.21	0	-18178	SLV 13	-23198	-12021	-76908	-26676	-26676	1	Si
40	0.23	11.4	0	20300	SLV 3	25321	10922	76908	26676	26676	1	Si
40	0.23	15.21	0	-18318	SLV 13	-23339	-12021	-76908	-26676	-26676	1	Si
61	0.23	11.4	0	20142	SLV 3	25162	10922	76908	26676	26676	1	Si
61	0.23	15.21	0	-18477	SLV 13	-23497	-12021	-76908	-26676	-26676	1	Si
81	0.23	11.4	0	19983	SLV 3	25003	10922	76908	26676	26676	1	Si
81	0.23	15.21	0	-18636	SLV 13	-23656	-12021	-76908	-26676	-26676	1	Si
91	0.23	11.4	0	19903	SLV 3	24924	10922	76908	26676	26676	1	Si
91	0.23	15.21	0	-18715	SLV 13	-23736	-12021	-76908	-26676	-26676	1	Si
111	0.223	15.21	0	19744	SLV 3	24765	12021	76908	25935	25935	1	Si
111	0.223	15.21	0	-18874	SLV 13	-23895	-12021	-76908	-25935	-25935	1	Si
131	0.223	15.21	0	19586	SLV 3	24606	12021	76908	25935	25935	1	Si
131	0.223	19.16	0	-19033	SLV 13	-24053	-12984	-76908	-25935	-25935	1	Si
151	0.223	15.21	0	19427	SLV 3	24447	12021	76908	25935	25935	1	Si
151	0.223	16.31	0	-19192	SLV 13	-24212	-12305	-76908	-25935	-25935	1	Si
171	0.223	15.21	0	19268	SLV 3	24288	12021	76908	25935	25935	1	Si
171	0.223	11.4	0	-19351	SLV 13	-24371	-10869	-76149	-25679	-25679	1	Si
192	0.223	15.21	0	19109	SLV 3	24130	11865	74872	25249	25249	1	Si
192	0.223	11.4	0	-19509	SLV 13	-24530	-10853	-75919	-25602	-25602	1	Si
212	0.23	15.21	0	18950	SLV 3	23971	11838	74527	25850	25850	1	Si
212	0.23	11.4	0	-19668	SLV 13	-24689	-10842	-75766	-26280	-26280	1	Si
232	0.23	15.21	0	18792	SLV 3	23812	11814	74207	25740	25740	1	Si
232	0.23	18.96	0	-19827	SLV 13	-24847	-12842	-75718	-26263	-26263	1	Si
242	0.23	23.85	0	18712	SLV 3	23733	13754	74527	25850	25850	1	Si
242	0.23	21.34	0	-19906	SLV 13	-24927	-13357	-75718	-26263	-26263	1	Si
262	0.23	29.28	0	18553	SLV 3	23574	14698	74222	25745	25745	1	Si
262	0.23	26.09	0	-20065	SLV 13	-25086	-14283	-75718	-26263	-26263	1	Si
275	0.23	30.41	0	18452	SLV 3	23473	14915	74527	25850	25850	1	Si
275	0.23	28.47	0	-20166	SLV 13	-25187	-14704	-75718	-26263	-26263	1	Si
282	0	29.52	0	18395	SLV 3	23415	14769	74527	0	14769	1	Si
282	0	30.41	0	-20224	SLV 13	-25244	-15031	-75718	0	-15031	1	Si
303	0	30.41	0	18236	SLV 3	23256	14915	74527	0	14915	1	Si
303	0	30.41	0	-20383	SLV 13	-25403	-15031	-75718	0	-15031	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	20.59	0	9854	SLD 3	9854	13298	76908	0	13298	1	Si
0	0	19.26	0	-7236	SLD 13	-7236	-13006	-76908	0	-13006	1	Si
20	0	17.73	0	9695	SLD 3	9695	12654	76908	0	12654	1	Si
20	0	15.21	0	-7395	SLD 13	-7395	-12021	-76908	0	-12021	1	Si
23	0.23	16.31	0	9677	SLD 3	9677	12305	76908	26676	26676	1	Si
23	0.23	15.21	0	-7414	SLD 13	-7414	-12021	-76908	-26676	-26676	1	Si
40	0.23	11.4	0	9536	SLD 3	9536	10922	76908	26676	26676	1	Si
40	0.23	15.21	0	-7554	SLD 13	-7554	-12021	-76908	-26676	-26676	1	Si
61	0.23	11.4	0	9377	SLD 3	9377	10922	76908	26676	26676	1	Si
61	0.23	15.21	0	-7713	SLD 13	-7713	-12021	-76908	-26676	-26676	1	Si
81	0.23	11.4	0	9219	SLD 3	9219	10922	76908	26676	26676	1	Si
81	0.23	15.21	0	-7872	SLD 13	-7872	-12021	-76908	-26676	-26676	1	Si
91	0.23	11.4	0	9139	SLD 3	9139	10922	76908	26676	26676	1	Si
91	0.23	15.21	0	-7951	SLD 13	-7951	-12021	-76908	-26676	-26676	1	Si
111	0.223	15.21	0	8980	SLD 3	8980	12021	76908	25935	25935	1	Si
111	0.223	15.21	0	-8110	SLD 13	-8110	-12021	-76908	-25935	-25935	1	Si
131	0.223	15.21	0	8821	SLD 3	8821	12021	76908	25935	25935	1	Si
131	0.223	19.16	0	-8269	SLD 13	-8269	-12984	-76908	-25935	-25935	1	Si
151	0.223	15.21	0	8663	SLD 3	8663	12021	76908	25935	25935	1	Si
151	0.223	16.31	0	-8428	SLD 13	-8428	-12305	-76908	-25935	-25935	1	Si
171	0.223	15.21	0	8504	SLD 3	8504	12021	76908	25935	25935	1	Si
171	0.223	11.4	0	-8586	SLD 13	-8586	-10869	-76149	-25679	-25679	1	Si
192	0.223	15.21	0	8345	SLD 3	8345	11865	74872	25249	25249	1	Si
192	0.223	11.4	0	-8745	SLD 13	-8745	-10853	-75919	-25602	-25602	1	Si
212	0.23	15.21	0	8186	SLD 3	8186	11838	74527	25850	25850	1	Si
212	0.23	11.4	0	-8904	SLD 13	-8904	-10842	-75766	-26280	-26280	1	Si
232	0.23	15.21	0	8027	SLD 3	8027	11814	74207	25740	25740	1	Si
232	0.23	18.96	0	-9063	SLD 13	-9063	-12842	-75718	-26263	-26263	1	Si
242	0.23	23.85	0	7948	SLD 3	7948	13754	74527	25850	25850	1	Si
242	0.23	21.34	0	-9142	SLD 13	-9142	-13357	-75718	-26263	-26263	1	Si
262	0.23	29.28	0	7789	SLD 3	7789	14698	74222	25745	25745	1	Si
262	0.23	26.09	0	-9301	SLD 13	-9301	-14283	-75718	-26263	-26263	1	Si
275	0.23	30.41	0	7688	SLD 3	7688	14915	74527	25850	25850	1	Si
275	0.23	28.47	0	-9402	SLD 13	-9402	-14704	-75718	-26263	-26263	1	Si
282	0	29.52	0	7630	SLD 3	7630	14769	74527	0	14769	1	Si
282	0	30.41	0	-9460	SLD 13	-9460	-15031	-75718	0	-15031	1	Si
303	0	30.41	0	7472	SLD 3	7472	14915	74527	0	14915	1	Si
303	0	30.41	0	-9619	SLD 13	-9619	-15031	-75718	0	-15031	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	28338	3	28338	0.7	124.5	21.3	1837								Si
0	-138923	1	-117721	2.8	124.5	88.7	1837	-138923	1	-117721	2.8	93.4	0	+∞	Si
20	44491	3	44491	1.1	124.5	33.5	1837								Si
20	-102390	1	-102233	2.4	124.5	77	1837	-102390	1	-102233	2.4	93.4	0	+∞	Si
23	46082	3	63227	1.5	124.5	47.6	1837								Si
23	-98441	1	-98441	2.3	124.5	74.1	1837	-98441	1	-98441	2.3	93.4	0	+∞	Si
40	57441	3	70432	1.7	124.5	55	1837	5057	2	30497	0.7	93.4	0	+∞	Si
40	-69061	1	-98441	2.4	124.5	74.2	1837	-69061	1	-98441	2.4	93.4	0	+∞	Si
61	67189	3	75563	1.9	124.5	67.1	1837	23441	2	44265	1.1	93.4	0	+∞	Si
61	-38934	1	-83422	2.1	124.5	69.6	1837	-38934	1	-83422	2.1	93.4	0	+∞	Si
81	73734	3	77491	2.2	124.5	86.7	1837	38623	2	54830	1.6	93.4	0	+∞	Si
81	-12009	1	-51881	1.5	124.5	50.1	1837	-12009	1	-51881	1.5	93.4	0	+∞	Si
91	75805	3	77546	2.3	124.5	86.8	1837	45013	2	58911	1.7	93.4	0	+∞	Si
111	77546	3	77546	2.4	124.5	87.2	1837	55390	2	64672	2	93.4	0	+∞	Si
131	76749	2	77546	2.4	124.5	87.2	1837	62565	2	67230	2.1	93.4	0	+∞	Si
151	72893	2	77391	2.4	124.5	87	1837	66537	2	73980	2.3	93.4	0	+∞	Si
171	69516	1	81875	2.4	124.5	91.8	1837	69516	1	81875	2.4	93.4	0	+∞	Si
192	78825	1	86568	2.1	124.5	60.5	1837	78825	1	86568	2.1	93.4	0	+∞	Si
212	84932	1	88057	1.9	124.5	54.6	1837	84932	1	88057	1.9	93.4	0	+∞	Si
232	87836	1	88087	2	124.5	62.2	1837	87836	1	88087	2	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
242	88087	1	88087	1.9	124.5	54.5	1837	88087	1	88087	1.9	93.4	0	+∞	Si
262	86187	1	88087	2	124.5	61.8	1837	86187	1	88087	2	93.4	0	+∞	Si
262	-11484	3	-27408	0.6	124.5	16.5	1837								Si
275	83230	1	87873	1.9	124.5	54.4	1837	83230	1	87873	1.9	93.4	0	+∞	Si
275	-27408	3	-27408	0.6	124.5	16.4	1837								Si
282	81084	1	81084	1.8	124.5	50.2	1837	81084	1	81084	1.8	93.4	0	+∞	Si
282	-36966	3	-35577	0.8	124.5	21.3	1837								Si
303	72778	1	72778	1.6	124.5	45.1	1837	72778	1	72778	1.6	93.4	0	+∞	Si
303	-65651	3	-45080	1	124.5	27	1837	-5758	2	-5758	0.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	0	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
23	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
40	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.001	2	0	2	9999	Si
61	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.002	2	0.001	2	9999	Si
81	0.002	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
91	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
111	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.002	2	9999	Si
131	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.002	2	9999	Si
151	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.002	0.003	2	0.002	2	9999	Si
171	0.002	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
192	0.002	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
212	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.002	0.003	1	0.003	1	9999	Si
232	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
242	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
262	0.001	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.001	1	9999	Si
275	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0.001	0.001	1	0.001	1	9999	Si
282	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	1	0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1131	24330	26676	SLV 3	0.38	801	1.049	-13940	-1816557	-2772667	SLV 3	0.54	2101	1.558	Si
40	991	24330	26676	SLV 3	0.38	812	1.055	-13940	1816557	2673845	SLV 13	0.53	1960	1.515	Si
61	832	24330	26676	SLV 3	0.39	824	1.062	-4120	1644373	2352542	SLV 13	0.51	1800	1.463	Si
81	673	24330	26676	SLV 3	0.39	837	1.069	15678	1255750	1872614	SLV 13	0.53	1957	1.514	Si
91	594	24330	26676	SLV 3	0.39	843	1.072	24376	1061627	1872681	SLV 13	0.57	2474	1.666	Si
111	435	24330	25935	SLV 3	0.38	798	1.048	39371	-674273	-1422107	SLV 3	0.57	2474	1.666	Si
131	276	24330	25935	SLV 3	0.38	810	1.054	67230	-855003	-1422107	SLV 13	0.57	2474	1.666	Si
151	118	24330	25935	SLV 3	0.39	822	1.061	66586	-1241751	-1422107	SLV 13	0.43	1120	1.204	Si
171	-41	-24330	-25679	SLV 13	0.38	808	1.053	62739	1628281	1897677	SLV 3	0.41	952	1.126	Si
192	-200	-24330	-25602	SLV 13	0.38	790	1.044	55689	-2016326	-2904287	SLV 13	0.52	1919	1.502	Si
212	-359	-24330	-26280	SLV 13	0.39	830	1.065	45436	-2404936	-3422108	SLV 13	0.52	1829	1.472	Si
232	-518	-24330	-26263	SLV 13	0.38	817	1.058	31981	2793818	3185246	SLV 3	0.41	956	1.128	Si
242	-597	-24330	-26263	SLV 13	0.38	811	1.055	24052	2988320	3609343	SLV 3	0.43	1122	1.205	Si
262	-756	-24330	-26263	SLV 13	0.38	798	1.048	20707	3064137	3202531	SLV 3	0.38	780	1.038	Si
275	-857	-24330	-26263	SLV 13	0.38	791	1.044	20707	3064137	3609343	SLV 3	0.42	1052	1.174	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1131	8545	26676	SLD 3	0.4	912	2.785	-13940	-803896	-2772667	SLD 3	0.46	1310	3.231	Si
40	991	8545	26676	SLD 3	0.4	924	2.8	-13940	803896	2673845	SLD 13	0.45	1224	3.142	Si
61	832	8545	26676	SLD 3	0.41	938	2.817	-4120	727698	2352542	SLD 13	0.43	1124	3.034	Si
81	673	8545	26676	SLD 3	0.41	953	2.836	15678	555717	1872614	SLD 13	0.45	1221	3.139	Si
91	594	8545	26676	SLD 3	0.41	959	2.843	24376	469810	1872681	SLD 13	0.52	1887	3.752	Si
111	435	8545	25935	SLD 3	0.4	908	2.78	39371	-298391	-1422107	SLD 3	0.6	2474	4.193	Si
131	276	8545	25935	SLD 3	0.4	922	2.797	67230	-378372	-1422107	SLD 13	0.52	1889	3.754	Si
151	118	8545	25935	SLD 3	0.41	935	2.814	66586	-549524	-1422107	SLD 13	0.37	717	2.523	Si
171	-41	-8545	-25679	SLD 13	0.4	919	2.794	62739	720579	1897677	SLD 3	0.34	617	2.373	Si
192	-200	-8545	-25602	SLD 13	0.4	899	2.769	55689	-892305	-2904287	SLD 13	0.44	1198	3.115	Si
212	-359	-8545	-26280	SLD 13	0.41	945	2.826	45436	-1064280	-3422108	SLD 13	0.44	1143	3.055	Si
232	-518	-8545	-26263	SLD 13	0.4	930	2.807	31981	1236375	3185246	SLD 3	0.34	619	2.376	Si
242	-597	-8545	-26263	SLD 13	0.4	923	2.799	24052	1322450	3609343	SLD 3	0.37	718	2.525	Si
262	-756	-8545	-26263	SLD 13	0.4	908	2.78	20707	1356002	3202531	SLD 3	0.32	508	2.191	Si
275	-857	-8545	-26263	SLD 13	0.4	900	2.77	20707	1356002	3609343	SLD 3	0.36	677	2.465	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 25C-25D

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x50	Rettangolare	40	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 25C - 25D, sezione R 40x50, asta 813

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-116437	SLU 35	-93054	-659762	0.115	Si
21	7.6	5.4	11.4	5.4						-75094	SLU 35	-75094	-659762	0.115	Si
23	7.6	5.4	11.4	5.4						-73086	SLU 35	-73086	-659762	0.115	Si
43	7.6	5.4	11.4	5.4	-16178	SLU 11	7218	959152	0.125	-41083	SLU 26	-72920	-659762	0.115	Si
64	7.6	5.4	11.4	5.4	8590	SLU 11	27386	959152	0.125	-13637	SLU 26	-39371	-659762	0.115	Si
85	7.6	5.4	11.4	5.4	28629	SLU 29	43098	959152	0.125	6240	SLU 8	-12272	-659762	0.115	Si
96	7.6	5.4	11.4	5.4	37216	SLU 29	48082	959152	0.125	13000	SLU 8	-922	-659762	0.115	Si
117	7.6	5.4	11.4	5.4	48646	SLU 29	52308	959152	0.125						Si
139	7.6	5.4	11.4	5.4	52418	SLU 29	52418	959152	0.125						Si
160	7.6	5.4	11.4	5.4	48532	SLU 29	52301	959152	0.125						Si
181	7.6	5.4	11.4	5.4	37030	SLU 30	47962	959152	0.125						Si
203	7.6	5.4	11.4	5.4	21808	SLU 26	36019	959152	0.125	12778	SLU 11	-9216	-659762	0.115	Si
224	7.6	5.4	11.4	5.4	5268	SLU 26	20916	959152	0.125	-10702	SLU 11	-41432	-659762	0.115	Si
245	7.6	5.4	11.4	5.4	-14161	SLU 8	4028	959152	0.125	-43590	SLU 29	-83154	-659762	0.115	Si
256	7.6	5.4	11.4	5.4						-63720	SLU 29	-106886	-659762	0.115	Si
277	7.6	5.4	11.4	5.4						-109724	SLU 29	-160095	-659762	0.115	Si
298	7.6	5.4	11.4	5.4						-160347	SLU 29	-160347	-659762	0.115	Si
299	7.6	5.4	11.4	5.4						-163386	SLU 29	-163386	-659762	0.115	Si
320	7.6	5.4	11.4	5.4						-224706	SLU 29	-190443	-659762	0.115	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	1569213	SLV 13	1469826	959152	0.125	-1736278	SLV 3	-1599704	-659762	0.115	No
21	7.6	5.4	11.4	5.4	1378172	SLV 13	1377850	959152	0.125	-1479729	SLV 3	-1479425	-659762	0.115	No
23	7.6	5.4	11.4	5.4	1367515	SLV 13	1367515	959152	0.125	-1465910	SLV 3	-1465910	-659762	0.115	No
43	7.6	5.4	11.4	5.4	1181992	SLV 13	1366632	959152	0.125	-1228373	SLV 3	-1464765	-659762	0.115	No
64	7.6	5.4	11.4	5.4	980570	SLV 13	1170142	959152	0.125	-982358	SLV 3	-1213725	-659762	0.115	No
85	7.6	5.4	11.4	5.4	773945	SLV 13	968410	959152	0.125	-741743	SLV 3	-968028	-659762	0.115	No
96	7.6	5.4	11.4	5.4	668719	SLV 13	865590	959152	0.125	-623498	SLV 3	-847202	-659762	0.115	No
117	7.6	5.4	11.4	5.4	454677	SLV 13	656111	959152	0.125	-391369	SLV 3	-609662	-659762	0.115	Si
139	7.6	5.4	11.4	5.4	237316	SLV 15	441826	959152	0.125	-166526	SLV 1	-377918	-659762	0.115	Si
160	7.6	5.4	11.4	5.4	67478	SLV 7	266250	959152	0.125	192	SLV 9	-211334	-659762	0.115	Si
181	7.6	5.4	11.4	5.4	278953	SLV 3	477685	959152	0.125	-225006	SLV 13	-446467	-659762	0.115	Si
203	7.6	5.4	11.4	5.4	490118	SLV 3	684130	959152	0.125	-460497	SLV 13	-687213	-659762	0.115	No
224	7.6	5.4	11.4	5.4	696262	SLV 3	885387	959152	0.125	-701570	SLV 13	-933374	-659762	0.115	No
245	7.6	5.4	11.4	5.4	897209	SLV 3	1081396	959152	0.125	-948050	SLV 13	-1184890	-659762	0.115	No
256	7.6	5.4	11.4	5.4	995716	SLV 3	1177425	959152	0.125	-1073299	SLV 13	-1312648	-659762	0.115	No
277	7.6	5.4	11.4	5.4	1188780	SLV 3	1365522	959152	0.125	-1327798	SLV 13	-1572156	-659762	0.115	No
298	7.6	5.4	11.4	5.4	1366367	SLV 3	1366367	959152	0.125	-1573340	SLV 13	-1573340	-659762	0.115	No
299	7.6	5.4	11.4	5.4	1376564	SLV 3	1376247	959152	0.125	-1587622	SLV 13	-1587309	-659762	0.115	No
320	7.6	5.4	11.4	5.4	1559061	SLV 3	1464179	959152	0.125	-1852761	SLV 13	-1711632	-659762	0.115	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	647853	SLD 13	614236	959152	0.125	-814918	SLD 3	-744114	-659762	0.115	No
21	7.6	5.4	11.4	5.4	581571	SLD 13	581423	959152	0.125	-683127	SLD 3	-682998	-659762	0.115	No
23	7.6	5.4	11.4	5.4	577736	SLD 13	577736	959152	0.125	-676131	SLD 3	-676131	-659762	0.115	No
43	7.6	5.4	11.4	5.4	510134	SLD 13	577418	959152	0.125	-556515	SLD 3	-675551	-659762	0.115	No
64	7.6	5.4	11.4	5.4	433428	SLD 13	505670	959152	0.125	-435216	SLD 3	-549253	-659762	0.115	Si
85	7.6	5.4	11.4	5.4	351464	SLD 13	428652	959152	0.125	-319262	SLD 3	-428270	-659762	0.115	Si
96	7.6	5.4	11.4	5.4	308527	SLD 13	388170	959152	0.125	-263306	SLD 3	-369781	-659762	0.115	Si
117	7.6	5.4	11.4	5.4	218847	SLD 13	303290	959152	0.125	-155540	SLD 3	-256841	-659762	0.115	Si
139	7.6	5.4	11.4	5.4	124742	SLD 15	213327	959152	0.125	-53952	SLD 1	-149420	-659762	0.115	Si
160	7.6	5.4	11.4	5.4	48715	SLD 7	133133	959152	0.125	18955	SLD 9	-78216	-659762	0.115	Si
181	7.6	5.4	11.4	5.4	138484	SLD 3	220095	959152	0.125	-84537	SLD 13	-188877	-659762	0.115	Si
203	7.6	5.4	11.4	5.4	225152	SLD 3	301893	959152	0.125	-195531	SLD 13	-304976	-659762	0.115	Si
224	7.6	5.4	11.4	5.4	306642	SLD 3	378440	959152	0.125	-311950	SLD 13	-426426	-659762	0.115	Si
245	7.6	5.4	11.4	5.4	382876	SLD 3	449708	959152	0.125	-433716	SLD 13	-553202	-659762	0.115	Si
256	7.6	5.4	11.4	5.4	419015	SLD 3	483360	959152	0.125	-496597	SLD 13	-618583	-659762	0.115	Si
277	7.6	5.4	11.4	5.4	487327	SLD 3	546694	959152	0.125	-626345	SLD 13	-753328	-659762	0.115	No
298	7.6	5.4	11.4	5.4	546973	SLD 3	546973	959152	0.125	-753946	SLD 13	-753946	-659762	0.115	No
299	7.6	5.4	11.4	5.4	550347	SLD 3	550206	959152	0.125	-761405	SLD 13	-761268	-659762	0.115	No
320	7.6	5.4	11.4	5.4	608072	SLD 3	578975	959152	0.125	-901773	SLD 13	-826428	-659762	0.115	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2313	SLU 30	2313	7391	47198	0	7391	1	Si
21	0	7.6	0	1973	SLU 30	1973	7391	47198	0	7391	1	Si
23	0.201	7.6	0	1954	SLU 30	1954	7391	47198	16115	16115	1	Si
43	0.201	7.6	0	1623	SLU 30	1623	7391	47198	16115	16115	1	Si
64	0.201	11.4	0	1264	SLU 30	1264	8461	47198	16115	16115	1	Si
85	0.184	11.4	0	921	SLU 36	921	8461	47198	14734	14734	1	Si
96	0.184	11.4	0	755	SLU 35	755	8461	47198	14734	14734	1	Si
117	0.184	11.4	0	462	SLU 26	462	8461	47198	14734	14734	1	Si
139	0.184	11.4	0	187	SLU 26	187	8461	47198	14734	14734	1	Si
139	0.184	11.4	0	-45	SLU 11	-45	-8461	-47198	-14734	-14734	1	Si
160	0.184	11.4	0	-362	SLU 29	-362	-8461	-47198	-14734	-14734	1	Si
181	0.184	11.4	0	-721	SLU 29	-721	-8461	-47198	-14734	-14734	1	Si
203	0.184	11.4	0	-1080	SLU 29	-1080	-8461	-47198	-14734	-14734	1	Si
224	0.184	7.6	0	-1439	SLU 29	-1439	-7391	-47198	-14734	-14734	1	Si
245	0.184	7.6	0	-1797	SLU 29	-1797	-7391	-47198	-14734	-14734	1	Si
256	0.201	7.6	0	-1977	SLU 29	-1977	-7391	-47198	-16115	-16115	1	Si
277	0.201	7.6	0	-2336	SLU 29	-2336	-7391	-47198	-16115	-16115	1	Si
298	0.201	7.6	0	-2675	SLU 29	-2675	-7391	-47198	-16115	-16115	1	Si
299	0	7.6	0	-2695	SLU 29	-2695	-7391	-47198	0	-7391	1	Si
320	0	7.6	0	-3054	SLU 29	-3054	-7391	-47198	0	-7391	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	12141	SLV 3	14869	7391	47198	0	7391	1	Si
0	0	11.4	0	-8846	SLV 13	-11575	-8461	-47198	0	-8461	1	Si
21	0	7.6	0	11906	SLV 3	14634	7391	47198	0	7391	1	Si
21	0	11.4	0	-9081	SLV 13	-11810	-8461	-47198	0	-8461	1	Si
23	0.201	7.6	0	11893	SLV 3	14621	7391	47198	16115	16115	1	Si
23	0.201	11.4	0	-9094	SLV 13	-11823	-8461	-47198	-16115	-16115	1	Si
43	0.201	7.6	0	11663	SLV 3	14391	7391	47198	16115	16115	1	Si
43	0.201	11.4	0	-9324	SLV 13	-12052	-8461	-47198	-16115	-16115	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
64	0.201	7.6	0	11414	SLV 3	14143	7391	47198	16115	16115	1	Si
64	0.201	11.4	0	-9573	SLV 13	-12301	-8461	-47198	-16115	-16115	1	Si
85	0.184	7.6	0	11166	SLV 3	13894	7391	47198	14734	14734	1	Si
85	0.184	11.4	0	-9821	SLV 13	-12549	-8461	-47198	-14734	-14734	1	Si
96	0.184	7.6	0	11042	SLV 3	13770	7391	47198	14734	14734	1	Si
96	0.184	11.4	0	-9945	SLV 13	-12674	-8461	-47198	-14734	-14734	1	Si
117	0.184	7.6	0	10793	SLV 3	13522	7391	47198	14734	14734	1	Si
117	0.184	11.4	0	-10194	SLV 13	-12922	-8461	-47198	-14734	-14734	1	Si
139	0.184	7.6	0	10545	SLV 3	13273	7391	47198	14734	14734	1	Si
139	0.184	11.4	0	-10442	SLV 13	-13171	-8461	-47198	-14734	-14734	1	Si
160	0.184	11.4	0	10296	SLV 3	13025	8461	47198	14734	14734	1	Si
160	0.184	11.4	0	-10691	SLV 13	-13419	-8461	-47198	-14734	-14734	1	Si
181	0.184	11.4	0	10048	SLV 3	12776	8461	47198	14734	14734	1	Si
181	0.184	7.6	0	-10939	SLV 13	-13668	-7391	-47198	-14734	-14734	1	Si
203	0.184	11.4	0	9799	SLV 3	12527	8461	47198	14734	14734	1	Si
203	0.184	7.6	0	-11188	SLV 13	-13916	-7391	-47198	-14734	-14734	1	Si
224	0.184	11.4	0	9551	SLV 3	12279	8461	47198	14734	14734	1	Si
224	0.184	7.6	0	-11436	SLV 13	-14165	-7391	-47198	-14734	-14734	1	Si
245	0.184	11.4	0	9302	SLV 3	12030	8461	47198	14734	14734	1	Si
245	0.184	7.6	0	-11685	SLV 13	-14413	-7391	-47198	-14734	-14734	1	Si
256	0.201	11.4	0	9178	SLV 3	11906	8461	47198	16115	16115	1	Si
256	0.201	7.6	0	-11809	SLV 13	-14538	-7391	-47198	-16115	-16115	1	Si
277	0.201	11.4	0	8929	SLV 3	11658	8461	47198	16115	16115	1	Si
277	0.201	7.6	0	-12058	SLV 13	-14786	-7391	-47198	-16115	-16115	1	Si
298	0.201	11.4	0	8694	SLV 3	11423	8461	47198	16115	16115	1	Si
298	0.201	7.6	0	-12293	SLV 13	-15021	-7391	-47198	-16115	-16115	1	Si
299	0	11.4	0	8681	SLV 3	11409	8461	47198	0	8461	1	Si
299	0	7.6	0	-12306	SLV 13	-15035	-7391	-47198	0	-7391	1	Si
320	0	11.4	0	8432	SLV 3	11161	8461	47198	0	8461	1	Si
320	0	7.6	0	-12555	SLV 13	-15283	-7391	-47198	0	-7391	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	6291	SLD 3	6291	7391	47198	0	7391	1	Si
0	0	11.4	0	-2996	SLD 13	-2996	-8461	-47198	0	-8461	1	Si
21	0	7.6	0	6056	SLD 3	6056	7391	47198	0	7391	1	Si
21	0	11.4	0	-3231	SLD 13	-3231	-8461	-47198	0	-8461	1	Si
23	0.201	7.6	0	6043	SLD 3	6043	7391	47198	16115	16115	1	Si
23	0.201	11.4	0	-3244	SLD 13	-3244	-8461	-47198	-16115	-16115	1	Si
43	0.201	7.6	0	5813	SLD 3	5813	7391	47198	16115	16115	1	Si
43	0.201	11.4	0	-3474	SLD 13	-3474	-8461	-47198	-16115	-16115	1	Si
64	0.201	7.6	0	5565	SLD 3	5565	7391	47198	16115	16115	1	Si
64	0.201	11.4	0	-3723	SLD 13	-3723	-8461	-47198	-16115	-16115	1	Si
85	0.184	7.6	0	5316	SLD 3	5316	7391	47198	14734	14734	1	Si
85	0.184	11.4	0	-3971	SLD 13	-3971	-8461	-47198	-14734	-14734	1	Si
96	0.184	7.6	0	5192	SLD 3	5192	7391	47198	14734	14734	1	Si
96	0.184	11.4	0	-4096	SLD 13	-4096	-8461	-47198	-14734	-14734	1	Si
117	0.184	7.6	0	4943	SLD 3	4943	7391	47198	14734	14734	1	Si
117	0.184	11.4	0	-4344	SLD 13	-4344	-8461	-47198	-14734	-14734	1	Si
139	0.184	7.6	0	4695	SLD 3	4695	7391	47198	14734	14734	1	Si
139	0.184	11.4	0	-4593	SLD 13	-4593	-8461	-47198	-14734	-14734	1	Si
160	0.184	11.4	0	4446	SLD 3	4446	8461	47198	14734	14734	1	Si
160	0.184	11.4	0	-4841	SLD 13	-4841	-8461	-47198	-14734	-14734	1	Si
181	0.184	11.4	0	4198	SLD 3	4198	8461	47198	14734	14734	1	Si
181	0.184	7.6	0	-5090	SLD 13	-5090	-7391	-47198	-14734	-14734	1	Si
203	0.184	11.4	0	3949	SLD 3	3949	8461	47198	14734	14734	1	Si
203	0.184	7.6	0	-5338	SLD 13	-5338	-7391	-47198	-14734	-14734	1	Si
224	0.184	11.4	0	3701	SLD 3	3701	8461	47198	14734	14734	1	Si
224	0.184	7.6	0	-5587	SLD 13	-5587	-7391	-47198	-14734	-14734	1	Si
245	0.184	11.4	0	3452	SLD 3	3452	8461	47198	14734	14734	1	Si
245	0.184	7.6	0	-5835	SLD 13	-5835	-7391	-47198	-14734	-14734	1	Si
256	0.201	11.4	0	3328	SLD 3	3328	8461	47198	16115	16115	1	Si
256	0.201	7.6	0	-5959	SLD 13	-5959	-7391	-47198	-16115	-16115	1	Si
277	0.201	11.4	0	3080	SLD 3	3080	8461	47198	16115	16115	1	Si
277	0.201	7.6	0	-6208	SLD 13	-6208	-7391	-47198	-16115	-16115	1	Si
298	0.201	11.4	0	2845	SLD 3	2845	8461	47198	16115	16115	1	Si
298	0.201	7.6	0	-6443	SLD 13	-6443	-7391	-47198	-16115	-16115	1	Si
299	0	11.4	0	2831	SLD 3	2831	8461	47198	0	8461	1	Si
299	0	7.6	0	-6456	SLD 13	-6456	-7391	-47198	0	-7391	1	Si
320	0	11.4	0	2583	SLD 3	2583	8461	47198	0	8461	1	Si
320	0	7.6	0	-6705	SLD 13	-6705	-7391	-47198	0	-7391	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-88265	8	-70613	5.4	124.5	230.5	1837	-84122	1	-66727	5.1	93.4	0	+∞	Si
21	-57047	8	-57047	4.4	124.5	186.2	1837	-53391	1	-53391	4.1	93.4	0	+∞	Si
23	-55529	8	-55529	4.3	124.5	181.3	1837	-51901	1	-51901	4	93.4	0	+∞	Si
43	-30492	8	-55404	4.2	124.5	180.8	1837	-27325	1	-51778	4	93.4	0	+∞	Si
64	2530	2	18902	1.3	124.5	41.8	1837								Si
64	-8708	8	-29131	2.2	124.5	95.1	1837	-6029	1	-25993	2	93.4	0	+∞	Si
85	19844	2	30901	2.2	124.5	68.3	1837	16101	2	27181	1.9	93.4	0	+∞	Si
96	26382	2	34782	2.4	124.5	76.9	1837	22611	2	31197	2.2	93.4	0	+∞	Si
117	35222	2	38307	2.7	124.5	84.6	1837	31654	2	35252	2.5	93.4	0	+∞	Si
139	38412	2	38412	2.7	124.5	84.9	1837	35395	2	35395	2.5	93.4	0	+∞	Si
160	35952	2	38350	2.7	124.5	84.7	1837	33835	2	35381	2.5	93.4	0	+∞	Si
181	27871	3	35556	2.5	124.5	78.6	1837	26973	2	33507	2.4	93.4	0	+∞	Si
203	16393	8	27148	1.9	124.5	60	1837	15899	1	26332	1.8	93.4	0	+∞	Si
224	2332	8	15631	1.1	124.5	34.5	1837	1351	1	15109	1.1	93.4	0	+∞	Si
224	-5324	2	-28815	2.2	124.5	94.1	1837	-2654	2	-23993	1.8	93.4	0	+∞	Si
245	-30382	2	-59188	4.5	124.5	193.2	1837	-25420	2	-51747	4	93.4	0	+∞	Si
256	-45030	2	-76493	5.9	124.5	249.7	1837	-38791	2	-67612	5.2	93.4	0	+∞	Si
277	-78562	2	-115341	8.8	124.5	376.5	1837	-69509	2	-103317	7.9	93.4	0	+∞	Si
298	-115525	2	-115525	8.9	124.5	377.1	1837	-103487	2	-103487	7.9	93.4	0	+∞	Si
299	-117745	2	-117745	9	124.5	384.3	1837	-105529	2	-105529	8.1	93.4	0	+∞	Si
320	-162577	2	-137514	10.5	124.5	448.9	1837	-146850	2	-123726	9.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
43	0.001	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
64	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
85	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
96	0.001	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
117	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.002	2	0.002	2	9999	Si
139	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.002	2	0.002	2	9999	Si
160	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.002	2	0.002	2	9999	Si
181	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
203	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
224	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0	1	0	1	9999	Si
245	0	0	0	0	0	0	0	0	0	0	0	1	-0.001	1	9999	Si
256	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
277	0	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
298	0	0	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
299	0	0	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1399	13222	16115	SLV 3	0.4	924	1.113	-49198	-1416713	-659762	SLV 3	0.16	113	0.47	No
43	1169	13222	16115	SLV 3	0.41	959	1.13	-49067	-1415699	-659762	SLV 3	0.16	113	0.47	No
64	921	13222	16115	SLV 3	0.42	1001	1.15	-21792	-1191933	-659762	SLV 3	0.2	176	0.564	No
85	672	13222	14734	SLV 3	0.39	827	1.063	191	-968219	-659762	SLV 3	0.25	297	0.699	No
96	548	13222	14734	SLV 3	0.39	845	1.073	9194	-856396	-659762	SLV 3	0.29	399	0.789	No
117	300	13222	14734	SLV 3	0.4	881	1.091	23225	-632887	-659762	SLV 3	0.39	857	1.079	Si
139	51	13222	14734	SLV 3	0.4	919	1.11	31954	-409872	-659762	SLV 3	0.57	2474	1.666	Si
160	-197	-13222	-14734	SLV 13	0.4	897	1.099	27458	-238792	-659762	SLV 13	0.57	2474	1.666	Si
181	-446	-13222	-14734	SLV 13	0.39	860	1.081	15609	-462076	-659762	SLV 13	0.52	1897	1.494	Si
203	-694	-13222	-14734	SLV 13	0.39	824	1.062	-1541	-685672	-659762	SLV 13	0.35	644	0.96	No
224	-943	-13222	-14734	SLV 13	0.38	788	1.042	-23993	-909380	-659762	SLV 13	0.26	313	0.714	No
245	-1191	-13222	-14734	SLV 13	0.37	754	1.024	-51747	-1133143	-659762	SLV 13	0.2	177	0.565	No
256	-1316	-13222	-16115	SLV 13	0.41	937	1.119	-67612	-1245036	-659762	SLV 13	0.18	137	0.509	No
277	-1564	-13222	-16115	SLV 13	0.4	899	1.1	-103317	-1468839	-659762	SLV 13	0.14	87	0.422	No
298	-1799	-13222	-16115	SLV 13	0.39	864	1.083	-103487	-1469853	-659762	SLV 13	0.14	87	0.422	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1399	4644	16115	SLD 3	0.42	1060	2.962	-49198	-626933	-659762	SLD 3	0.14	78	1.016	No
43	1169	4644	16115	SLD 3	0.43	1105	3.013	-49067	-626485	-659762	SLD 3	0.14	78	1.016	No
64	921	4644	16115	SLD 3	0.44	1155	3.068	-21792	-527461	-659762	SLD 3	0.17	121	1.217	Si
85	672	4644	14734	SLD 3	0.41	941	2.821	191	-428461	-659762	SLD 3	0.21	201	1.498	Si
96	548	4644	14734	SLD 3	0.41	962	2.847	9194	-378975	-659762	SLD 3	0.24	271	1.693	Si
117	300	4644	14734	SLD 3	0.42	1006	2.899	23225	-280065	-659762	SLD 3	0.33	556	2.274	Si
139	51	4644	14734	SLD 3	0.42	1054	2.955	31954	-181374	-659762	SLD 3	0.51	1736	3.626	Si
160	-197	-4644	-14734	SLD 13	0.42	1026	2.923	27458	-105675	-659762	SLD 13	0.6	2474	4.193	Si
181	-446	-4644	-14734	SLD 13	0.41	979	2.867	15609	-204486	-659762	SLD 13	0.44	1184	3.1	Si
203	-694	-4644	-14734	SLD 13	0.41	938	2.817	-1541	-303435	-659762	SLD 13	0.3	425	2.036	Si
224	-943	-4644	-14734	SLD 13	0.4	897	2.766	-23993	-402433	-659762	SLD 13	0.22	213	1.534	Si
245	-1191	-4644	-14734	SLD 13	0.39	858	2.716	-51747	-501455	-659762	SLD 13	0.17	122	1.221	Si
256	-1316	-4644	-16115	SLD 13	0.43	1077	2.981	-67612	-550971	-659762	SLD 13	0.15	95	1.102	Si
277	-1564	-4644	-16115	SLD 13	0.42	1029	2.926	-103317	-650011	-659762	SLD 13	0.12	61	0.919	No
298	-1799	-4644	-16115	SLD 13	0.41	984	2.873	-103487	-650460	-659762	SLD 13	0.12	61	0.919	No

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 25C-60C

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 25C - 36B, sezione R 45x70, asta 801

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4						-77680	SLU 11	-33297	-971525	0.08	Si
9	7.6	5.4	19.01	5.4	36257	SLU 26	36257	2323876	0.102	-20506	SLU 11	-10211	-971525	0.08	Si
17	7.6	5.4	19.01	5.4	86958	SLU 26	86958	2323876	0.102						Si
23	7.6	5.4	19.01	5.4	116799	SLU 26	315381	2323876	0.102						Si
26	7.6	5.4	19.01	5.4	136885	SLU 26	340998	2323876	0.102						Si
30	7.6	5.4	19.01	5.4	161559	SLU 26	372551	2323876	0.102						Si
39	7.6	5.4	19.01	5.4	222310	SLU 30	435074	2323876	0.102						Si
48	7.6	5.4	19.01	5.4	286663	SLU 30	496820	2323876	0.102						Si
56	7.6	5.4	19.01	5.4	350239	SLU 30	557789	2323876	0.102						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
65	7.6	5.4	19.01	5.4	413037	SLU 30	617980	2323876	0.102						Si
74	7.6	5.4	19.01	5.4	475059	SLU 30	677394	2323876	0.102						Si
82	7.6	5.4	19.01	5.4	536303	SLU 30	709726	2323876	0.102						Si
91	7.6	5.4	19.01	5.4	596770	SLU 30	709726	2323876	0.102						Si
100	7.6	5.4	19.01	5.4	656459	SLU 30	709726	2323876	0.102						Si
104	7.6	5.4	19.01	5.4	686012	SLU 30	709726	2323876	0.102						Si
108	7.6	5.4	19.01	5.4	709726	SLU 30	709726	2323876	0.102						Si
113	7.6	5.4	19.01	5.4	744535	SLU 30	740648	2323876	0.102						Si
121	7.6	5.4	19.01	5.4	802281	SLU 30	774504	2323876	0.102						Si
130	7.6	5.4	19.01	5.4	859249	SLU 30	785790	2323876	0.102						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	2192329	SLV 5	2168915	2323876	0.102	-2271388	SLV 11	-2125962	-971525	0.08	No
9	7.6	5.4	19.01	5.4	2176090	SLV 5	2165987	2323876	0.102	-2161733	SLV 11	-2105524	-971525	0.08	No
17	7.6	5.4	19.01	5.4	2159377	SLV 5	2157201	2323876	0.102	-2052796	SLV 11	-2044208	-971525	0.08	No
23	7.6	5.4	19.01	5.4	2149177	SLV 5	2149177	2323876	0.102	-1988209	SLV 11	-1988209	-971525	0.08	No
26	7.6	5.4	19.01	5.4	2142185	SLV 5	2149177	2323876	0.102	-1944572	SLV 11	-1988209	-971525	0.08	No
30	7.6	5.4	19.01	5.4	2133407	SLV 5	2149177	2323876	0.102	-1890727	SLV 11	-1988209	-971525	0.08	No
39	7.6	5.4	19.01	5.4	2115487	SLV 5	2149177	2323876	0.102	-1783565	SLV 11	-1988209	-971525	0.08	No
48	7.6	5.4	19.01	5.4	2097075	SLV 5	2149177	2323876	0.102	-1677104	SLV 11	-1988209	-971525	0.08	No
56	7.6	5.4	19.01	5.4	2078168	SLV 5	2139625	2323876	0.102	-1571341	SLV 11	-1928871	-971525	0.08	No
65	7.6	5.4	19.01	5.4	2058761	SLV 5	2121878	2323876	0.102	-1466272	SLV 11	-1821459	-971525	0.08	No
74	7.6	5.4	19.01	5.4	2038850	SLV 5	2103641	2323876	0.102	-1361891	SLV 11	-1714751	-971525	0.08	No
82	7.6	5.4	19.01	5.4	2018432	SLV 5	2084909	2323876	0.102	-1258197	SLV 11	-1608741	-971525	0.08	No
91	7.6	5.4	19.01	5.4	1997504	SLV 5	2065679	2323876	0.102	-1155186	SLV 11	-1503426	-971525	0.08	No
100	7.6	5.4	19.01	5.4	1976063	SLV 5	2045947	2323876	0.102	-1052855	SLV 11	-1398802	-971525	0.08	No
104	7.6	5.4	19.01	5.4	1965150	SLV 5	2035892	2323876	0.102	-1001945	SLV 11	-1346748	-971525	0.08	No
108	7.6	5.4	19.01	5.4	1956230	SLV 5	2027684	2323876	0.102	-960959	SLV 11	-1304817	-971525	0.08	No
113	7.6	5.4	19.01	5.4	1942936	SLV 5	1942936	2323876	0.102	-900631	SLV 11	-900631	-971525	0.08	Si
121	7.6	5.4	19.01	5.4	1920204	SLV 5	1920204	2323876	0.102	-799993	SLV 11	-799993	-971525	0.08	Si
130	7.6	5.4	19.01	5.4	1896956	SLV 5	1896956	2323876	0.102	-700032	SLV 11	-700032	-971525	0.08	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	948114	SLD 5	948114	2323876	0.102	-1027173	SLD 11	-928818	-971525	0.08	Si
9	7.6	5.4	19.01	5.4	966967	SLD 5	966967	2323876	0.102	-952610	SLD 11	-914892	-971525	0.08	Si
17	7.6	5.4	19.01	5.4	985278	SLD 5	985278	2323876	0.102	-878696	SLD 11	-873112	-971525	0.08	Si
23	7.6	5.4	19.01	5.4	995924	SLD 5	1052255	2323876	0.102	-834955	SLD 11	-834955	-971525	0.08	Si
26	7.6	5.4	19.01	5.4	1003044	SLD 5	1058611	2323876	0.102	-805431	SLD 11	-834955	-971525	0.08	Si
30	7.6	5.4	19.01	5.4	1011721	SLD 5	1066364	2323876	0.102	-769041	SLD 11	-834955	-971525	0.08	Si
39	7.6	5.4	19.01	5.4	1028665	SLD 5	1081455	2323876	0.102	-696743	SLD 11	-834955	-971525	0.08	Si
48	7.6	5.4	19.01	5.4	1045059	SLD 5	1095990	2323876	0.102	-625088	SLD 11	-834955	-971525	0.08	Si
56	7.6	5.4	19.01	5.4	1060901	SLD 5	1109966	2323876	0.102	-554074	SLD 11	-794820	-971525	0.08	Si
65	7.6	5.4	19.01	5.4	1076188	SLD 5	1123384	2323876	0.102	-483699	SLD 11	-722294	-971525	0.08	Si
74	7.6	5.4	19.01	5.4	1090920	SLD 5	1136241	2323876	0.102	-413961	SLD 11	-650411	-971525	0.08	Si
82	7.6	5.4	19.01	5.4	1105094	SLD 5	1143073	2323876	0.102	-344859	SLD 11	-579170	-971525	0.08	Si
91	7.6	5.4	19.01	5.4	1118710	SLD 5	1143073	2323876	0.102	-276392	SLD 11	-508569	-971525	0.08	Si
100	7.6	5.4	19.01	5.4	1131765	SLD 5	1143073	2323876	0.102	-208558	SLD 11	-438606	-971525	0.08	Si
104	7.6	5.4	19.01	5.4	1138083	SLD 5	1143073	2323876	0.102	-174878	SLD 11	-403863	-971525	0.08	Si
108	7.6	5.4	19.01	5.4	1143073	SLD 5	1143073	2323876	0.102	-147801	SLD 11	-375906	-971525	0.08	Si
113	7.6	5.4	19.01	5.4	1150298	SLD 5	1149804	2323876	0.102	-107993	SLD 11	-107993	-971525	0.08	Si
121	7.6	5.4	19.01	5.4	1161950	SLD 5	1157174	2323876	0.102	-41739	SLD 11	-41739	-971525	0.08	Si
130	7.6	5.4	19.01	5.4	1173041	SLD 5	1159631	2323876	0.102						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	7874	SLU 30	7874	9541	76908	0	9541	1	Si
9	0	7.6	0	7784	SLU 30	7784	9541	76908	0	9541	1	Si
17	0	19.01	0	7694	SLU 30	7694	12949	76908	0	12949	1	Si
23	0.142	19.01	0	7641	SLU 30	7641	12949	76908	16476	16476	1	Si
26	0.142	19.01	0	7605	SLU 30	7605	12949	76908	16476	16476	1	Si
30	0.142	19.01	0	7560	SLU 30	7560	12949	76908	16476	16476	1	Si
39	0.142	19.01	0	7470	SLU 30	7470	12949	76908	16476	16476	1	Si
48	0.142	19.01	0	7380	SLU 30	7380	12949	76908	16476	16476	1	Si
56	0.142	19.01	0	7291	SLU 30	7291	12949	76908	16476	16476	1	Si
65	0.142	19.01	0	7201	SLU 30	7201	12949	76908	16476	16476	1	Si
74	0.142	19.01	0	7111	SLU 30	7111	12949	76908	16476	16476	1	Si
82	0.142	19.01	0	7022	SLU 30	7022	12949	76908	16476	16476	1	Si
91	0.142	19.01	0	6932	SLU 30	6932	12949	76908	16476	16476	1	Si
100	0.142	19.01	0	6842	SLU 30	6842	12949	76908	16476	16476	1	Si
104	0.142	19.01	0	6797	SLU 30	6797	12949	76908	16476	16476	1	Si
108	0.142	19.01	0	6761	SLU 30	6761	12949	76908	16476	16476	1	Si
113	0	19.01	0	6708	SLU 30	6708	12949	76908	0	12949	1	Si
121	0	19.01	0	6618	SLU 30	6618	12949	76908	0	12949	1	Si
130	0	19.01	0	6528	SLU 30	6528	12949	76908	0	12949	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	13334	SLV 7	15391	9541	76908	0	9541	1	Si
0	0	19.01	0	-2487	SLV 9	-4543	-12949	-76908	0	-12949	1	Si
9	0	7.6	0	13265	SLV 7	15322	9541	76908	0	9541	1	Si
9	0	19.01	0	-2555	SLV 9	-4612	-12949	-76908	0	-12949	1	Si
17	0	7.6	0	13196	SLV 7	15253	9541	76908	0	9541	1	Si
17	0	19.01	0	-2624	SLV 9	-4681	-12949	-76908	0	-12949	1	Si
23	0.142	7.6	0	13155	SLV 7	15212	9541	76908	16476	16476	1	Si
23	0.142	19.01	0	-2665	SLV 9	-4722	-12949	-76908	-16476	-16476	1	Si
26	0.142	7.6	0	13128	SLV 7	15184	9541	76908	16476	16476	1	Si
26	0.142	19.01	0	-2693	SLV 9	-4750	-12949	-76908	-16476	-16476	1	Si
30	0.142	7.6	0	13093	SLV 7	15150	9541	76908	16476	16476	1	Si
30	0.142	19.01	0	-2727	SLV 9	-4784	-12949	-76908	-16476	-16476	1	Si
39	0.142	7.6	0	13024	SLV 7	15081	9541	76908	16476	16476	1	Si
39	0.142	19.01	0	-2796	SLV 9	-4853	-12949	-76908	-16476	-16476	1	Si
48	0.142	7.6	0	12956	SLV 7	15012	9541	76908	16476	16476	1	Si
48	0.142	19.01	0	-2865	SLV 9	-4922	-12949	-76908	-16476	-16476	1	Si
56	0.142	7.6	0	12887	SLV 7	14943	9541	76908	16476	16476	1	Si
56	0.142	19.01	0	-2934	SLV 9	-4991	-12949	-76908	-16476	-16476	1	Si
65	0.142	7.6	0	12818	SLV 7	14875	9541	76908	16476	16476	1	Si
65	0.142	19.01	0	-3003	SLV 9	-5059	-12949	-76908	-16476	-16476	1	Si
74	0.142	7.6	0	12749	SLV 7	14806	9541	76908	16476	16476	1	Si
74	0.142	19.01	0	-3072	SLV 9	-5128	-12949	-76908	-16476	-16476	1	Si
82	0.142	7.6	0	12680	SLV 7	14737	9541	76908	16476	16476	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
82	0.142	19.01	0	-3140	SLV 9	-5197	-12949	-76908	-16476	-16476	1	Si
91	0.142	7.6	0	12611	SLV 7	14668	9541	76908	16476	16476	1	Si
91	0.142	19.01	0	-3209	SLV 9	-5266	-12949	-76908	-16476	-16476	1	Si
100	0.142	7.6	0	12543	SLV 7	14599	9541	76908	16476	16476	1	Si
100	0.142	19.01	0	-3278	SLV 9	-5335	-12949	-76908	-16476	-16476	1	Si
104	0.142	7.6	0	12508	SLV 7	14565	9541	76908	16476	16476	1	Si
104	0.142	19.01	0	-3312	SLV 9	-5369	-12949	-76908	-16476	-16476	1	Si
108	0.142	7.6	0	12480	SLV 7	14537	9541	76908	16476	16476	1	Si
108	0.142	19.01	0	-3340	SLV 9	-5397	-12949	-76908	-16476	-16476	1	Si
113	0	7.6	0	12439	SLV 7	14496	9541	76908	0	9541	1	Si
113	0	19.01	0	-3381	SLV 9	-5438	-12949	-76908	0	-12949	1	Si
121	0	7.6	0	12370	SLV 7	14427	9541	76908	0	9541	1	Si
121	0	19.01	0	-3450	SLV 9	-5507	-12949	-76908	0	-12949	1	Si
130	0	7.6	0	12302	SLV 7	14358	9541	76908	0	9541	1	Si
130	0	19.01	0	-3519	SLV 9	-5576	-12949	-76908	0	-12949	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	8924	SLD 7	8924	9541	76908	0	9541	1	Si
9	0	7.6	0	8855	SLD 7	8855	9541	76908	0	9541	1	Si
17	0	7.6	0	8786	SLD 7	8786	9541	76908	0	9541	1	Si
23	0.142	7.6	0	8745	SLD 7	8745	9541	76908	16476	16476	1	Si
26	0.142	7.6	0	8717	SLD 7	8717	9541	76908	16476	16476	1	Si
30	0.142	7.6	0	8683	SLD 7	8683	9541	76908	16476	16476	1	Si
39	0.142	7.6	0	8614	SLD 7	8614	9541	76908	16476	16476	1	Si
48	0.142	7.6	0	8545	SLD 7	8545	9541	76908	16476	16476	1	Si
56	0.142	7.6	0	8476	SLD 7	8476	9541	76908	16476	16476	1	Si
65	0.142	7.6	0	8407	SLD 7	8407	9541	76908	16476	16476	1	Si
74	0.142	7.6	0	8339	SLD 7	8339	9541	76908	16476	16476	1	Si
82	0.142	7.6	0	8270	SLD 7	8270	9541	76908	16476	16476	1	Si
91	0.142	7.6	0	8201	SLD 7	8201	9541	76908	16476	16476	1	Si
100	0.142	7.6	0	8132	SLD 7	8132	9541	76908	16476	16476	1	Si
104	0.142	7.6	0	8098	SLD 7	8098	9541	76908	16476	16476	1	Si
108	0.142	7.6	0	8070	SLD 7	8070	9541	76908	16476	16476	1	Si
113	0	19.01	0	8029	SLD 7	8029	12949	76908	0	12949	1	Si
121	0	19.01	0	7960	SLD 7	7960	12949	76908	0	12949	1	Si
130	0	19.01	0	7891	SLD 7	7891	12949	76908	0	12949	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-51232	2	-21976	0.5	124.5	7.4	1837	-39530	2	-21976	0.8	93.4	0	+∞	Si
9	21146	8	21146	0.6	124.5	19.3	1837	19950	1	19950	0.6	93.4	0	+∞	Si
9	-1336	2	-1336	0	124.5	0.4	1837								Si
17	62652	8	62652	1.9	124.5	57.1	1837	61282	1	61282	1.9	93.4	0	+∞	Si
23	87100	8	237348	7.2	124.5	216.5	1837	85626	1	229610	7	93.4	0	+∞	Si
26	103563	8	256147	7.8	124.5	233.6	1837	102018	1	247103	7.5	93.4	0	+∞	Si
30	123795	8	279297	8.5	124.5	254.7	1837	122162	1	268637	8.2	93.4	0	+∞	Si
39	169010	3	325149	9.9	124.5	296.5	1837	165961	2	311257	9.5	93.4	0	+∞	Si
48	216268	3	370403	11.3	124.5	337.8	1837	209986	2	353280	10.7	93.4	0	+∞	Si
56	262928	3	415060	12.6	124.5	378.6	1837	253413	2	394707	12	93.4	0	+∞	Si
65	308992	3	459120	14	124.5	418.7	1837	296245	2	435537	13.2	93.4	0	+∞	Si
74	354458	3	502582	15.3	124.5	458.4	1837	338479	2	475771	14.5	93.4	0	+∞	Si
82	399326	3	526221	16	124.5	479.9	1837	380117	2	497636	15.1	93.4	0	+∞	Si
91	443597	3	526221	16	124.5	479.9	1837	421159	2	497636	15.1	93.4	0	+∞	Si
100	487271	3	526221	16	124.5	479.9	1837	461604	2	497636	15.1	93.4	0	+∞	Si
104	508884	3	526221	16	124.5	479.9	1837	481603	2	497636	15.1	93.4	0	+∞	Si
108	526221	3	526221	16	124.5	479.9	1837	497636	2	497636	15.1	93.4	0	+∞	Si
113	551661	3	548824	16.7	124.5	500.5	1837	521152	2	518536	15.8	93.4	0	+∞	Si
121	593841	3	573574	17.4	124.5	523.1	1837	560106	2	541420	16.5	93.4	0	+∞	Si
130	635424	3	581823	17.7	124.5	530.6	1837	598462	2	549049	16.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
9	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
17	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
23	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.007	2	9999	Si
26	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
30	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.009	2	9999	Si
39	0.007	0.006	0.006	0.005	0.007	0.006	0.005	0.005	0.007	0.006	0.013	2	0.012	2	9999	Si
48	0.009	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.016	2	0.014	2	9999	Si
56	0.01	0.009	0.008	0.007	0.01	0.009	0.008	0.007	0.009	0.009	0.019	2	0.017	2	9999	Si
65	0.012	0.01	0.009	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.021	2	0.019	2	9999	Si
74	0.013	0.011	0.01	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.024	2	0.021	2	9999	Si
82	0.014	0.012	0.011	0.009	0.013	0.012	0.011	0.009	0.013	0.012	0.026	2	0.023	2	9999	Si
91	0.015	0.013	0.012	0.01	0.015	0.013	0.012	0.01	0.014	0.013	0.028	2	0.025	2	9999	Si
100	0.017	0.014	0.013	0.011	0.016	0.014	0.012	0.011	0.015	0.014	0.03	2	0.027	2	9999	Si
104	0.017	0.014	0.013	0.011	0.016	0.014	0.013	0.011	0.016	0.014	0.031	2	0.028	2	9999	Si
108	0.017	0.015	0.014	0.011	0.017	0.015	0.013	0.011	0.016	0.015	0.032	2	0.028	2	9999	Si
113	0.018	0.015	0.014	0.012	0.017	0.015	0.013	0.012	0.017	0.015	0.032	2	0.029	2	9999	Si
121	0.019	0.016	0.015	0.012	0.018	0.016	0.014	0.012	0.018	0.016	0.034	2	0.03	2	9999	Si
130	0.02	0.016	0.015	0.013	0.019	0.016	0.014	0.013	0.018	0.016	0.035	2	0.031	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5245	9967	16476	SLV 7	0.41	952	1.126	80484	-2068693	-971525	SLV 11	0.19	158	0.539	No
26	5217	9967	16476	SLV 7	0.41	958	1.129	80484	-2068693	-971525	SLV 11	0.19	158	0.539	No
30	5183	9967	16476	SLV 7	0.41	965	1.133	80484	-2068693	-971525	SLV 11	0.19	158	0.539	No
39	5114	9967	16476	SLV 7	0.41	980	1.14	80484	-2068693	-971525	SLV 11	0.19	158	0.539	No
48	5045	9967	16476	SLV 7	0.42	996	1.148	80484	-2068693	-971525	SLV 11	0.19	158	0.539	No
56	4976	9967	16476	SLV 7	0.42	1012	1.155	105377	-2034248	-971525	SLV 11	0.2	172	0.559	No
65	4908	9967	16476	SLV 7	0.42	1028	1.163	150209	-1971669	-971525	SLV 11	0.21	200	0.594	No
74	4839	9967	16476	SLV 7	0.42	1044	1.17	194445	-1909196	-971525	SLV 11	0.23	233	0.633	No
82	4770	9967	16476	SLV 7	0.42	1060	1.177	238084	-1846825	-971525	SLV 11	0.24	272	0.674	No

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
91	4701	9967	16476	SLV 7	0.43	1077	1.185	281127	-1784553	-971525	SLV 11	0.26	315	0.716	No
100	4632	9967	16476	SLV 7	0.43	1094	1.193	323573	-1722375	-971525	SLV 11	0.28	367	0.762	No
104	4598	9967	16476	SLV 7	0.43	1102	1.196	344572	-1691320	-971525	SLV 11	0.29	396	0.786	No
108	4570	9967	16476	SLV 7	0.43	1109	1.199	497636	-1458594	-971525	SLV 11	0.37	724	1.007	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5245	3500	16476	SLD 7	0.43	1097	3.004	80484	-915440	-971525	SLD 11	0.16	110	1.17	Si
26	5217	3500	16476	SLD 7	0.43	1104	3.012	80484	-915440	-971525	SLD 11	0.16	110	1.17	Si
30	5183	3500	16476	SLD 7	0.43	1114	3.023	80484	-915440	-971525	SLD 11	0.16	110	1.17	Si
39	5114	3500	16476	SLD 7	0.43	1131	3.042	80484	-915440	-971525	SLD 11	0.16	110	1.17	Si
48	5045	3500	16476	SLD 7	0.44	1150	3.063	80484	-915440	-971525	SLD 11	0.16	110	1.17	Si
56	4976	3500	16476	SLD 7	0.44	1168	3.082	105377	-900197	-971525	SLD 11	0.17	119	1.208	Si
65	4908	3500	16476	SLD 7	0.44	1187	3.103	150209	-872503	-971525	SLD 11	0.18	138	1.284	Si
74	4839	3500	16476	SLD 7	0.44	1206	3.123	194445	-844856	-971525	SLD 11	0.19	159	1.361	Si
82	4770	3500	16476	SLD 7	0.45	1225	3.143	238084	-817254	-971525	SLD 11	0.21	185	1.448	Si
91	4701	3500	16476	SLD 7	0.45	1244	3.163	281127	-789696	-971525	SLD 11	0.22	214	1.537	Si
100	4632	3500	16476	SLD 7	0.45	1263	3.183	323573	-762178	-971525	SLD 11	0.23	250	1.638	Si
104	4598	3500	16476	SLD 7	0.45	1273	3.193	344572	-748435	-971525	SLD 11	0.24	269	1.688	Si
108	4570	3500	16476	SLD 7	0.45	1281	3.201	497636	-645437	-971525	SLD 11	0.31	473	2.128	Si

Campata 2 tra i fili 36B - 49C, sezione R 45x70, asta 800

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	860344	SLU 30	817633	2323876	0.102						Si
23	7.6	5.4	19.01	5.4	772311	SLU 30	772311	2323876	0.102						Si
45	7.6	5.4	19.01	5.4	677626	SLU 30	772311	2323876	0.102						Si
68	7.6	5.4	19.01	5.4	578287	SLU 30	704557	2323876	0.102						Si
91	7.6	5.4	19.01	5.4	473627	SLU 30	606721	2323876	0.102						Si
102	7.6	5.4	19.01	5.4	419302	SLU 30	555808	2323876	0.102						Si
125	7.6	5.4	19.01	5.4	306658	SLU 30	449990	2323876	0.102						Si
147	7.6	5.4	19.01	5.4	188692	SLU 30	338850	2323876	0.102	93087	SLU 1	-22561	-971525	0.08	Si
170	7.6	5.4	19.01	5.4	67551	SLU 12	222387	2323876	0.102	8406	SLU 19	-135649	-971525	0.08	Si
193	7.6	5.4	19.01	5.4	-36656	SLU 11	100601	2323876	0.102	-103008	SLU 26	-254030	-971525	0.08	Si
215	7.6	5.4	19.01	5.4						-219895	SLU 26	-378538	-971525	0.08	Si
238	7.6	5.4	19.01	5.4						-342075	SLU 26	-522973	-971525	0.08	Si
261	7.6	5.4	19.01	5.4						-481005	SLU 30	-674395	-971525	0.08	Si
272	10.92	5.4	19.01	5.4						-555298	SLU 30	-752104	-1364262	0.083	Si
295	13.05	5.4	19.01	5.4						-707879	SLU 30	-866985	-1617503	0.085	Si
318	15.21	5.4	19.01	5.4						-866985	SLU 30	-866985	-1872544	0.088	Si
340	15.21	5.4	19.01	5.4						-1029026	SLU 30	-946698	-1872544	0.088	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	1902831	SLV 5	1786256	2323876	0.102	-704206	SLV 11	-647587	-971525	0.08	Si
23	7.6	5.4	19.01	5.4	1667562	SLV 5	1667562	2323876	0.102	-592858	SLV 11	-592858	-971525	0.08	Si
45	7.6	5.4	19.01	5.4	1424743	SLV 5	1667562	2323876	0.102	-484001	SLV 11	-592858	-971525	0.08	Si
68	7.6	5.4	19.01	5.4	1179699	SLV 5	1493113	2323876	0.102	-380147	SLV 11	-514222	-971525	0.08	Si
91	7.6	5.4	19.01	5.4	930794	SLV 5	1249189	2323876	0.102	-280600	SLV 11	-409182	-971525	0.08	Si
102	7.6	5.4	19.01	5.4	805007	SLV 5	1125753	2323876	0.102	-232553	SLV 11	-358250	-971525	0.08	Si
125	7.6	5.4	19.01	5.4	551831	SLV 5	876064	2323876	0.102	-140986	SLV 11	-259695	-971525	0.08	Si
147	7.6	5.4	19.01	5.4	309592	SLV 9	623395	2323876	0.102	-68524	SLV 7	-166327	-971525	0.08	Si
170	7.6	5.4	19.01	5.4	147752	SLV 13	363841	2323876	0.102	-84631	SLV 3	-342636	-971525	0.08	Si
193	7.6	5.4	19.01	5.4	158548	SLV 15	220636	2323876	0.102	-281543	SLV 1	-594527	-971525	0.08	Si
215	7.6	5.4	19.01	5.4	199724	SLV 11	292628	2323876	0.102	-517007	SLV 5	-871288	-971525	0.08	Si
238	7.6	5.4	19.01	5.4	272809	SLV 11	360675	2323876	0.102	-792553	SLV 5	-1152276	-971525	0.08	No
261	7.6	5.4	19.01	5.4	341984	SLV 11	424702	2323876	0.102	-1072361	SLV 5	-1437418	-971525	0.08	No
272	10.92	5.4	19.01	5.4	375072	SLV 11	455198	2323555	0.098	-1213830	SLV 5	-1581537	-1364262	0.083	No
295	13.05	5.4	19.01	5.4	438220	SLV 11	497728	2323326	0.096	-1499872	SLV 5	-1792202	-1617503	0.085	No
318	15.21	5.4	19.01	5.4	497728	SLV 11	497728	2323187	0.094	-1792202	SLV 5	-1792202	-1872544	0.088	Si
340	15.21	5.4	19.01	5.4	552341	SLV 11	526070	2323187	0.094	-2084305	SLV 5	-1937283	-1872544	0.088	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	1176116	SLD 5	1107816	2323876	0.102						Si
23	7.6	5.4	19.01	5.4	1037463	SLD 5	1037463	2323876	0.102						Si
45	7.6	5.4	19.01	5.4	892669	SLD 5	1037463	2323876	0.102						Si
68	7.6	5.4	19.01	5.4	744876	SLD 5	933558	2323876	0.102						Si
91	7.6	5.4	19.01	5.4	593095	SLD 5	786904	2323876	0.102						Si
102	7.6	5.4	19.01	5.4	515758	SLD 5	712070	2323876	0.102						Si
125	7.6	5.4	19.01	5.4	358654	SLD 5	559445	2323876	0.102						Si
147	7.6	5.4	19.01	5.4	204133	SLD 9	403214	2323876	0.102	36935	SLD 7	-53658	-971525	0.08	Si
170	7.6	5.4	19.01	5.4	82918	SLD 13	241712	2323876	0.102	-19797	SLD 3	-201028	-971525	0.08	Si
193	7.6	5.4	19.01	5.4	35857	SLD 15	105141	2323876	0.102	-158852	SLD 1	-367304	-971525	0.08	Si
215	7.6	5.4	19.01	5.4	-63	SLD 11	47588	2323876	0.102	-317221	SLD 5	-546854	-971525	0.08	Si
238	7.6	5.4	19.01	5.4	-24153	SLD 11	5915	2323876	0.102	-495590	SLD 5	-730553	-971525	0.08	Si
261	7.6	5.4	19.01	5.4						-678123	SLD 5	-918367	-971525	0.08	Si
272	10.92	5.4	19.01	5.4						-770936	SLD 5	-1013814	-1364262	0.083	Si
295	13.05	5.4	19.01	5.4						-959644	SLD 5	-1153902	-1617503	0.085	Si
318	15.21	5.4	19.01	5.4						-1153902	SLD 5	-1153902	-1872544	0.088	Si
340	15.21	5.4	19.01	5.4						-1349361	SLD 5	-1250643	-1872544	0.088	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	-3796	SLU 30	-3796	-12949	-76908	0	-12949	1	Si
23	0.115	19.01	0	-4029	SLU 30	-4029	-12949	-76908	-13338	-13338	1	Si
45	0.115	19.01	0	-4265	SLU 30	-4265	-12949	-76908	-13338	-13338	1	Si
68	0.115	19.01	0	-4500	SLU 30	-4500	-12949	-76908	-13338	-13338	1	Si
91	0.115	19.01	0	-4735	SLU 30	-4735	-12949	-76908	-13338	-13338	1	Si
102	0.123	19.01	0	-4852	SLU 30	-4852	-12949	-76908	-14305	-14305	1	Si
125	0.123	19.01	0	-5087	SLU 30	-5087	-12949	-76908	-14305	-14305	1	Si
147	0.123	19.01	0	-5322	SLU 30	-5322	-12949	-76908	-14305	-14305	1	Si
170	0.123	19.01	0	-5556	SLU 30	-5556	-12949	-76908	-14305	-14305	1	Si
193	0.123	7.6	0	-5791	SLU 30	-5791	-9541	-76908	-14305	-14305	1	Si
215	0.123	7.6	0	-6026	SLU 30	-6026	-9541	-76908	-14305	-14305	1	Si
238	0.123	7.6	0	-6261	SLU 30	-6261	-9541	-76908	-14305	-14305	1	Si
261	0.129	7.6	0	-6496	SLU 30	-6496	-9541	-76908	-15005	-15005	1	Si
272	0.129	7.6	0	-6614	SLU 30	-6614	-9541	-76908	-15005	-15005	1	Si
295	0.129	7.6	0	-6849	SLU 30	-6849	-9541	-76908	-15005	-15005	1	Si
318	0.129	7.6	0	-7086	SLU 30	-7086	-9541	-76908	-15005	-15005	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
329	0	7.6	0	-7201	SLU 30	-7201	-9541	-76908	0	-9541	1	Si
340	0	10.92	0	-7319	SLU 30	-7319	-10764	-76908	0	-10764	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5044	SLV 11	7048	9541	76908	0	9541	1	Si
0	0	19.01	0	-10372	SLV 5	-12376	-12949	-76908	0	-12949	1	Si
23	0.115	7.6	0	4865	SLV 11	6869	9541	76908	13338	13338	1	Si
23	0.115	19.01	0	-10551	SLV 5	-12555	-12949	-76908	-13338	-13338	1	Si
45	0.115	7.6	0	4683	SLV 11	6687	9541	76908	13338	13338	1	Si
45	0.115	19.01	0	-10732	SLV 5	-12736	-12949	-76908	-13338	-13338	1	Si
68	0.115	7.6	0	4503	SLV 11	6507	9541	76908	13338	13338	1	Si
68	0.115	19.01	0	-10912	SLV 5	-12916	-12949	-76908	-13338	-13338	1	Si
91	0.115	7.6	0	4323	SLV 11	6327	9541	76908	13338	13338	1	Si
91	0.115	19.01	0	-11092	SLV 5	-13096	-12949	-76908	-13338	-13338	1	Si
102	0.123	7.6	0	4233	SLV 11	6237	9541	76908	14305	14305	1	Si
102	0.123	19.01	0	-11182	SLV 5	-13186	-12949	-76908	-14305	-14305	1	Si
125	0.123	7.6	0	4053	SLV 11	6057	9541	76908	14305	14305	1	Si
125	0.123	19.01	0	-11363	SLV 5	-13367	-12949	-76908	-14305	-14305	1	Si
147	0.123	7.6	0	3873	SLV 11	5877	9541	76908	14305	14305	1	Si
147	0.123	19.01	0	-11543	SLV 5	-13547	-12949	-76908	-14305	-14305	1	Si
170	0.123	19.01	0	3692	SLV 11	5696	12949	76908	14305	14305	1	Si
170	0.123	19.01	0	-11723	SLV 5	-13727	-12949	-76908	-14305	-14305	1	Si
193	0.123	19.01	0	3512	SLV 11	5516	12949	76908	14305	14305	1	Si
193	0.123	7.6	0	-11903	SLV 5	-13907	-9541	-76908	-14305	-14305	1	Si
215	0.123	19.01	0	3332	SLV 11	5336	12949	76908	14305	14305	1	Si
215	0.123	7.6	0	-12083	SLV 5	-14087	-9541	-76908	-14305	-14305	1	Si
238	0.123	19.01	0	3152	SLV 11	5156	12949	76908	14305	14305	1	Si
238	0.123	7.6	0	-12264	SLV 5	-14268	-9541	-76908	-14305	-14305	1	Si
261	0.129	19.01	0	2971	SLV 11	4975	12949	76908	15005	15005	1	Si
261	0.129	7.6	0	-12444	SLV 5	-14448	-9541	-76908	-15005	-15005	1	Si
272	0.129	19.01	0	2881	SLV 11	4885	12949	76908	15005	15005	1	Si
272	0.129	7.6	0	-12534	SLV 5	-14538	-9541	-76908	-15005	-15005	1	Si
295	0.129	19.01	0	2701	SLV 11	4705	12949	76908	15005	15005	1	Si
295	0.129	7.6	0	-12714	SLV 5	-14718	-9541	-76908	-15005	-15005	1	Si
318	0.129	19.01	0	2519	SLV 11	4523	12949	76908	15005	15005	1	Si
318	0.129	7.6	0	-12896	SLV 5	-14900	-9541	-76908	-15005	-15005	1	Si
329	0	19.01	0	2430	SLV 11	4434	12949	76908	0	12949	1	Si
329	0	7.6	0	-12985	SLV 5	-14989	-9541	-76908	0	-9541	1	Si
340	0	19.01	0	2340	SLV 11	4344	12949	76908	0	12949	1	Si
340	0	10.92	0	-13075	SLV 5	-15079	-10764	-76908	0	-10764	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	747	SLD 11	747	12949	76908	0	12949	1	Si
0	0	19.01	0	-6075	SLD 5	-6075	-12949	-76908	0	-12949	1	Si
23	0.115	19.01	0	568	SLD 11	568	12949	76908	13338	13338	1	Si
23	0.115	19.01	0	-6254	SLD 5	-6254	-12949	-76908	-13338	-13338	1	Si
45	0.115	19.01	0	386	SLD 11	386	12949	76908	13338	13338	1	Si
45	0.115	19.01	0	-6435	SLD 5	-6435	-12949	-76908	-13338	-13338	1	Si
68	0.115	19.01	0	206	SLD 11	206	12949	76908	13338	13338	1	Si
68	0.115	19.01	0	-6615	SLD 5	-6615	-12949	-76908	-13338	-13338	1	Si
91	0.115	19.01	0	26	SLD 11	26	12949	76908	13338	13338	1	Si
91	0.115	19.01	0	-6795	SLD 5	-6795	-12949	-76908	-13338	-13338	1	Si
102	0.123	19.01	0	-6885	SLD 5	-6885	-12949	-76908	-14305	-14305	1	Si
125	0.123	19.01	0	-7066	SLD 5	-7066	-12949	-76908	-14305	-14305	1	Si
147	0.123	19.01	0	-7246	SLD 5	-7246	-12949	-76908	-14305	-14305	1	Si
170	0.123	19.01	0	-7426	SLD 5	-7426	-12949	-76908	-14305	-14305	1	Si
193	0.123	7.6	0	-7606	SLD 5	-7606	-9541	-76908	-14305	-14305	1	Si
215	0.123	7.6	0	-7786	SLD 5	-7786	-9541	-76908	-14305	-14305	1	Si
238	0.123	7.6	0	-7967	SLD 5	-7967	-9541	-76908	-14305	-14305	1	Si
261	0.129	7.6	0	-8147	SLD 5	-8147	-9541	-76908	-15005	-15005	1	Si
272	0.129	7.6	0	-8237	SLD 5	-8237	-9541	-76908	-15005	-15005	1	Si
295	0.129	7.6	0	-8417	SLD 5	-8417	-9541	-76908	-15005	-15005	1	Si
318	0.129	7.6	0	-8599	SLD 5	-8599	-9541	-76908	-15005	-15005	1	Si
329	0	7.6	0	-8688	SLD 5	-8688	-9541	-76908	0	-9541	1	Si
340	0	10.92	0	-8778	SLD 5	-8778	-10764	-76908	0	-10764	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	636269	3	604590	18.4	124.5	551.4	1837	599313	2	569334	17.3	93.4	0	+∞	Si
23	570904	3	570904	17.4	124.5	520.7	1837	537352	2	537352	16.3	93.4	0	+∞	Si
45	500461	3	570904	17.4	124.5	520.7	1837	470371	2	537352	16.3	93.4	0	+∞	Si
68	426424	3	520506	15.8	124.5	474.7	1837	399776	2	489445	14.9	93.4	0	+∞	Si
91	348298	3	447624	13.6	124.5	408.2	1837	325097	2	420003	12.8	93.4	0	+∞	Si
102	307701	3	409650	12.5	124.5	373.6	1837	286227	2	383751	11.7	93.4	0	+∞	Si
125	223440	3	330634	10.1	124.5	301.6	1837	205423	2	308185	9.4	93.4	0	+∞	Si
147	135089	3	247528	7.5	124.5	225.8	1837	120534	2	228534	6.9	93.4	0	+∞	Si
170	42647	3	160332	4.9	124.5	146.2	1837	31561	2	144799	4.4	93.4	0	+∞	Si
193	-73394	8	-192978	4	124.5	64.7	1837	-73042	1	-192021	7	93.4	0	+∞	Si
215	-165968	8	-290780	6	124.5	97.5	1837	-165144	1	-289351	10.6	93.4	0	+∞	Si
238	-262618	8	-399639	8.2	124.5	134.1	1837	-261322	1	-395800	14.5	93.4	0	+∞	Si
261	-368039	3	-513699	10.6	124.5	172.3	1837	-365188	2	-506358	18.5	93.4	0	+∞	Si
272	-423979	3	-572264	18.2	124.5	882.6	1837	-419379	2	-563170	17.9	93.4	0	+∞	Si
295	-538929	3	-658876	19.7	124.5	854	1837	-530826	2	-647237	19.3	93.4	0	+∞	Si
318	-658876	3	-658876	18.7	124.5	736.4	1837	-647237	2	-647237	18.4	93.4	0	+∞	Si
340	-781112	3	-718989	20.4	124.5	803.6	1837	-765982	2	-705606	20	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.02	0.016	0.015	0.013	0.019	0.016	0.014	0.013	0.018	0.016	0.035	2	0.031	2	9999	Si
23	0.02	0.017	0.016	0.013	0.019	0.017	0.015	0.013	0.019	0.017	0.037	2	0.033	2	9999	Si
34	0.021	0.017	0.016	0.013	0.02	0.017	0.015	0.013	0.019	0.017	0.037	2	0.033	2	9999	Si
45	0.021	0.017	0.016	0.013	0.019	0.017	0.015	0.013	0.019	0.017	0.037	2	0.033	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
68	0.02	0.016	0.016	0.013	0.019	0.016	0.015	0.013	0.018	0.016	0.036	2	0.031	2	9999	Si
91	0.019	0.015	0.015	0.012	0.018	0.015	0.014	0.012	0.017	0.015	0.033	2	0.029	2	9999	Si
102	0.018	0.014	0.014	0.011	0.017	0.014	0.013	0.011	0.016	0.014	0.032	2	0.028	2	9999	Si
125	0.016	0.013	0.012	0.01	0.015	0.013	0.012	0.01	0.014	0.013	0.028	2	0.024	2	9999	Si
147	0.014	0.011	0.011	0.008	0.013	0.011	0.01	0.008	0.012	0.011	0.024	2	0.02	2	9999	Si
170	0.011	0.008	0.008	0.006	0.01	0.008	0.008	0.006	0.01	0.008	0.019	2	0.015	2	9999	Si
193	0.008	0.006	0.006	0.004	0.008	0.006	0.006	0.004	0.008	0.006	0.014	2	0.011	2	9999	Si
215	0.006	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.009	2	0.007	2	9999	Si
238	0.004	0.002	0.002	0.001	0.003	0.002	0.002	0.001	0.003	0.002	0.005	2	0.003	2	9999	Si
261	0.002	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0	2	9999	Si
272	0.001	0	0	0	0.001	0	0	0	0.001	0	0	2	-0.001	2	9999	Si
295	0	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	2	-0.002	2	9999	Si
318	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-2843	-9712	-13338	SLV 5	0.39	860	1.081	537352	-1130210	-971525	SLV 11	0.48	1489	1.353	Si
45	-3024	-9712	-13338	SLV 5	0.39	824	1.062	537352	-1130210	-971525	SLV 11	0.48	1489	1.353	Si
68	-3204	-9712	-13338	SLV 5	0.38	789	1.043	489445	-1003667	-971525	SLV 11	0.52	1876	1.488	Si
91	-3385	-9712	-13338	SLV 5	0.37	755	1.024	420003	-829186	-971525	SLV 11	0.57	2474	1.666	Si
102	-3475	-9712	-14305	SLV 5	0.4	928	1.115	383751	-742001	-971525	SLV 11	0.57	2474	1.666	Si
125	-3655	-9712	-14305	SLV 5	0.4	891	1.096	308185	-567879	-971525	SLV 11	0.57	2474	1.666	Si
147	-3835	-9712	-14305	SLV 5	0.39	855	1.078	228534	-394861	-971525	SLV 11	0.57	2474	1.666	Si
170	-4015	-9712	-14305	SLV 5	0.38	819	1.059	-88647	-253989	-971525	SLV 1	0.57	2474	1.666	Si
193	-4195	-9712	-14305	SLV 5	0.38	785	1.041	-186945	-407582	-971525	SLV 5	0.57	2474	1.666	Si
215	-4376	-9712	-14305	SLV 5	0.37	751	1.022	-289330	-581958	-971525	SLV 5	0.42	1055	1.175	Si
238	-4556	-9712	-14305	SLV 5	0.37	718	1.003	-395800	-756476	-971525	SLV 5	0.28	377	0.771	No
261	-4736	-9712	-15005	SLV 5	0.38	815	1.057	-506358	-931060	-971525	SLV 5	0.19	152	0.531	No
272	-4826	-9712	-15005	SLV 5	0.38	798	1.048	-563170	-1018367	-1364262	SLV 5	0.29	405	0.793	No
295	-5007	-9712	-15005	SLV 5	0.37	764	1.029	-647237	-1144965	-1617503	SLV 5	0.31	477	0.849	No
318	-5188	-9712	-15005	SLV 5	0.37	730	1.01	-647237	-1144965	-1872544	SLV 5	0.39	839	1.07	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-2843	-3411	-13338	SLD 5	0.41	979	2.867	537352	-500111	-971525	SLD 11	0.4	932	2.81	Si
45	-3024	-3411	-13338	SLD 5	0.41	938	2.817	537352	-500111	-971525	SLD 11	0.4	932	2.81	Si
68	-3204	-3411	-13338	SLD 5	0.4	898	2.767	489445	-444113	-971525	SLD 11	0.44	1172	3.087	Si
91	-3385	-3411	-13338	SLD 5	0.39	859	2.717	420003	-366900	-971525	SLD 11	0.5	1711	3.605	Si
102	-3475	-3411	-14305	SLD 5	0.43	1065	2.968	325097	-267998	-971525	SLD 11	0.6	2474	4.193	Si
125	-3655	-3411	-14305	SLD 5	0.42	1018	2.913	308185	-251261	-971525	SLD 11	0.6	2474	4.193	Si
147	-3835	-3411	-14305	SLD 5	0.41	973	2.86	228534	-174680	-971525	SLD 11	0.6	2474	4.193	Si
170	-4015	-3411	-14305	SLD 5	0.4	932	2.81	-88647	-112381	-971525	SLD 1	0.6	2474	4.193	Si
193	-4195	-3411	-14305	SLD 5	0.4	893	2.761	-186945	-180359	-971525	SLD 5	0.57	2469	4.189	Si
215	-4376	-3411	-14305	SLD 5	0.39	855	2.712	-289330	-257525	-971525	SLD 5	0.36	680	2.469	Si
238	-4556	-3411	-14305	SLD 5	0.38	817	2.662	-395800	-334752	-971525	SLD 5	0.24	256	1.654	Si
261	-4736	-3411	-15005	SLD 5	0.4	927	2.804	-506358	-412009	-971525	SLD 5	0.16	105	1.148	Si
272	-4826	-3411	-15005	SLD 5	0.4	908	2.78	-563170	-450644	-1364262	SLD 5	0.25	275	1.704	Si
295	-5007	-3411	-15005	SLD 5	0.39	869	2.73	-647237	-506665	-1617503	SLD 5	0.26	324	1.822	Si
318	-5188	-3411	-15005	SLD 5	0.39	831	2.681	-647237	-506665	-1872544	SLD 5	0.33	545	2.255	Si

Campata 3 tra i fili 49C - 60C, sezione R 45x70, asta 799

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	19.01	5.4						-789589	SLU 30	-735483	-1872544	0.088	Si
23	15.21	5.4	19.01	5.4						-683213	SLU 30	-683213	-1872544	0.088	Si
58	11.83	5.4	19.01	5.4						-522568	SLU 30	-651268	-1472297	0.084	Si
87	7.6	5.4	19.01	5.4						-402208	SLU 30	-522170	-971525	0.08	Si
117	7.6	5.4	19.01	5.4						-290614	SLU 30	-401839	-971525	0.08	Si
175	7.6	5.4	19.01	5.4	-63949	SLU 1	3406	2323876	0.102	-93724	SLU 30	-187475	-971525	0.08	Si
233	7.6	5.4	19.01	5.4	80427	SLU 19	148204	2323876	0.102	48504	SLU 12	-10121	-971525	0.08	Si
262	7.6	5.4	19.01	5.4	148429	SLU 19	207498	2323876	0.102						Si
321	7.6	5.4	19.01	5.4	258223	SLU 19	299877	2323876	0.102						Si
379	7.6	5.4	19.01	5.4	333071	SLU 19	357310	2323876	0.102						Si
437	7.6	5.4	21.13	5.4	372974	SLU 19	379800	2574839	0.108						Si
496	7.6	5.4	11.4	5.4	377936	SLU 19	379816	1422093	0.084						Si
554	7.6	5.4	11.4	5.4	347955	SLU 19	367249	1422093	0.084						Si
612	7.6	5.4	11.4	5.4	283035	SLU 19	319741	1422093	0.084						Si
671	7.6	5.4	11.4	5.4	183169	SLU 19	237290	1422093	0.084						Si
700	7.6	5.4	11.4	5.4	120131	SLU 19	182960	1422093	0.084						Si
758	15.18	5.4	15.21	5.4	-26168	SLU 1	48090	1872760	0.089	-52745	SLU 30	-142403	-1869212	0.089	Si
817	15.21	5.4	15.21	5.4						-241419	SLU 30	-348542	-1872764	0.089	Si
852	15.21	5.4	15.21	5.4						-375466	SLU 30	-375466	-1872764	0.089	Si
875	15.21	5.4	15.21	5.4						-465137	SLU 30	-419384	-1872764	0.089	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	19.01	5.4	1380623	SLV 9	1366916	2323187	0.094	-2587807	SLV 7	-2490858	-1872544	0.088	No
23	15.21	5.4	19.01	5.4	1351648	SLV 9	1351648	2323187	0.094	-2395167	SLV 7	-2395167	-1872544	0.088	No
58	11.83	5.4	19.01	5.4	1298790	SLV 9	1342917	2323472	0.097	-2095129	SLV 7	-2337287	-1472297	0.084	No
87	7.6	5.4	19.01	5.4	1247807	SLV 9	1298621	2323876	0.102	-1858927	SLV 7	-2094348	-971525	0.08	No
117	7.6	5.4	19.01	5.4	1190120	SLV 9	1247617	2323876	0.102	-1629488	SLV 7	-1858168	-971525	0.08	No
175	7.6	5.4	19.01	5.4	1054652	SLV 9	1125497	2323876	0.102	-1190919	SLV 7	-1406102	-971525	0.08	No
233	7.6	5.4	19.01	5.4	892453	SLV 9	976609	2323876	0.102	-779486	SLV 7	-981136	-971525	0.08	No
262	7.6	5.4	19.01	5.4	801361	SLV 9	892152	2323876	0.102	-583975	SLV 7	-778839	-971525	0.08	Si
321	7.6	5.4	19.01	5.4	599306	SLV 9	703289	2323876	0.102	-213479	SLV 7	-394694	-971525	0.08	Si
379	7.6	5.4	19.01	5.4	428877	SLV 13	488058	2323876	0.102	71535	SLV 3	-38040	-971525	0.08	Si
437	7.6	5.4	21.13	5.4	522802	SLV 11	662225	2574839	0.108	38340	SLV 5	-90946	-971632	0.08	Si
496	7.6	5.4	11.4	5.4	796472	SLV 11	923850	1422093	0.084	-228450	SLV 5	-372526	-970824	0.078	Si
554	7.6	5.4	11.4	5.4	1046243	SLV 11	1162109	1422093	0.084	-525187	SLV 5	-684583	-970824	0.078	Si
612	7.6	5.4	11.4	5.4	1273047	SLV 11	1377280	1422093	0.084	-852802	SLV 5	-1027404	-970824	0.078	No
671	7.6	5.4	11.4	5.4	1476676	SLV 7	1569133	1422093	0.084	-1211100	SLV 9	-1400765	-970824	0.078	No
700	7.6	5.4	11.4	5.4	1569440	SLV 7	1655679	1422093	0.084	-1401395	SLV 9	-1598261	-970824	0.078	No
758	15.18	5.4	15.21	5.4	1736129	SLV 7	1809599	1872760	0.089	-1803538	SLV 9	-2014472	-1869212	0.089	No
817	15.21	5.4	15.21	5.4	1877037	SLV 7	1937463	1872764	0.089	-2233750	SLV 9	-2458475	-1872764	0.089	No
852	15.21	5.4	15.21	5.4	1950011	SLV 7	1950011	1872764	0.089	-2512324	SLV 9	-2512324	-1872764	0.089	No
875	15.21	5.4	15.21	5.4	1991686	SLV 7	1971808	1872764	0.089	-2691550	SLV 9	-2601486	-1872764	0.089	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	19.01	5.4	274473	SLD 9	274473	2323187	0.094	-1481658	SLD 7	-1415553	-1872544	0.088	Si
23	15.21	5.4	19.01	5.4	307271	SLD 9	344480	2323187	0.094	-1350791	SLD 7	-1350791	-1872544	0.088	Si
58	11.83	5.4	19.01	5.4	352779	SLD 9	381749	2323472	0.097	-1149118	SLD 7	-1311477	-1472297	0.084	Si
87	7.6	5.4	19.01	5.4	381845	SLD 9	404117	2323876	0.102	-992965	SLD 7	-1148602	-971525	0.08	No
117	7.6	5.4	19.01	5.4	404191	SLD 9	419766	2323876	0.102	-843559	SLD 7	-992471	-971525	0.08	No
175	7.6	5.4	19.01	5.4	428729	SLD 9	430922	2323876	0.102	-564996	SLD 7	-700452	-971525	0.08	Si
233	7.6	5.4	19.01	5.4	426423	SLD 9	430914	2323876	0.102	-313456	SLD 7	-435441	-971525	0.08	Si
262	7.6	5.4	19.01	5.4	415218	SLD 9	426386	2323876	0.102	-197832	SLD 7	-313073	-971525	0.08	Si
321	7.6	5.4	19.01	5.4	372754	SLD 9	397242	2323876	0.102	13073	SLD 7	-88647	-971525	0.08	Si
379	7.6	5.4	19.01	5.4	329274	SLD 13	341417	2323876	0.102						Si
437	7.6	5.4	21.13	5.4	387762	SLD 11	452286	2574839	0.108						Si
496	7.6	5.4	11.4	5.4	510785	SLD 11	562498	1422093	0.084	57237	SLD 5	-11174	-970824	0.078	Si
554	7.6	5.4	11.4	5.4	608222	SLD 11	647362	1422093	0.084	-87167	SLD 5	-169836	-970824	0.078	Si
612	7.6	5.4	11.4	5.4	680488	SLD 11	706999	1422093	0.084	-260243	SLD 5	-357123	-970824	0.078	Si
671	7.6	5.4	11.4	5.4	727487	SLD 7	741305	1422093	0.084	-461910	SLD 9	-572938	-970824	0.078	Si
700	7.6	5.4	11.4	5.4	741351	SLD 7	748677	1422093	0.084	-573306	SLD 9	-691260	-970824	0.078	Si
758	15.18	5.4	15.21	5.4	749485	SLD 7	749485	1872760	0.089	-816893	SLD 9	-948554	-1869212	0.089	Si
817	15.21	5.4	15.21	5.4	731200	SLD 7	743620	1872764	0.089	-1087913	SLD 9	-1233156	-1872764	0.089	Si
852	15.21	5.4	15.21	5.4	706185	SLD 7	726767	1872764	0.089	-1268497	SLD 9	-1268497	-1872764	0.089	Si
875	15.21	5.4	15.21	5.4	686286	SLD 7	686286	1872764	0.089	-1386150	SLD 9	-1326731	-1872764	0.089	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.83	0	4880	SLU 31	4880	11055	76908	0	11055	1	Si
23	0.068	7.6	0	4649	SLU 31	4649	9541	76908	7874	9541	1	Si
58	0.068	7.6	0	4280	SLU 31	4280	9541	76908	7874	9541	1	Si
117	0.068	7.6	0	3681	SLU 31	3681	9541	76908	7874	9541	1	Si
175	0.068	7.6	0	3081	SLU 22	3081	9541	76908	7874	9541	1	Si
233	0.068	19.01	0	2482	SLU 22	2482	12949	76908	7874	12949	1	Si
262	0.068	19.01	0	2182	SLU 22	2182	12949	76908	7874	12949	1	Si
321	0.068	19.01	0	1583	SLU 22	1583	12949	76908	7874	12949	1	Si
379	0.068	19.01	0	984	SLU 22	984	12949	76908	7874	12949	1	Si
437	0.068	11.4	0	385	SLU 22	385	10922	76908	7874	10922	1	Si
496	0.068	11.4	0	-230	SLU 29	-230	-10922	-76908	-7874	-10922	1	Si
554	0.068	11.4	0	-831	SLU 29	-831	-10922	-76908	-7874	-10922	1	Si
612	0.068	11.4	0	-1432	SLU 29	-1432	-10922	-76908	-7874	-10922	1	Si
671	0.068	11.4	0	-2033	SLU 29	-2033	-10922	-76908	-7874	-10922	1	Si
700	0.068	11.4	0	-2333	SLU 29	-2333	-10922	-76908	-7874	-10922	1	Si
758	0.068	7.6	0	-2934	SLU 29	-2934	-9541	-76908	-7874	-9541	1	Si
817	0.068	15.18	0	-3535	SLU 29	-3535	-12013	-76908	-7874	-12013	1	Si
852	0.068	15.21	0	-3904	SLU 29	-3904	-12021	-76908	-7874	-12021	1	Si
875	0	15.21	0	-4136	SLU 29	-4136	-12021	-76908	0	-12021	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.83	0	8684	SLV 7	9966	11055	76908	0	11055	1	Si
0	0	19.01	0	-1179	SLV 9	-2461	-12949	-76908	0	-12949	1	Si
23	0.068	7.6	0	8506	SLV 7	9788	9541	76908	7874	9541	1	No
23	0.068	19.01	0	-1357	SLV 9	-2639	-12949	-76908	-7874	-12949	1	Si
58	0.068	7.6	0	8222	SLV 7	9504	9541	76908	7874	9541	1	Si
58	0.068	19.01	0	-1641	SLV 9	-2923	-12949	-76908	-7874	-12949	1	Si
117	0.068	7.6	0	7760	SLV 7	9043	9541	76908	7874	9541	1	Si
117	0.068	19.01	0	-2103	SLV 9	-3385	-12949	-76908	-7874	-12949	1	Si
175	0.068	7.6	0	7299	SLV 7	8581	9541	76908	7874	9541	1	Si
175	0.068	19.01	0	-2564	SLV 9	-3847	-12949	-76908	-7874	-12949	1	Si
233	0.068	7.6	0	6837	SLV 7	8119	9541	76908	7874	9541	1	Si
233	0.068	19.01	0	-3026	SLV 9	-4308	-12949	-76908	-7874	-12949	1	Si
262	0.068	7.6	0	6606	SLV 7	7888	9541	76908	7874	9541	1	Si
262	0.068	19.01	0	-3257	SLV 9	-4539	-12949	-76908	-7874	-12949	1	Si
321	0.068	7.6	0	6144	SLV 7	7427	9541	76908	7874	9541	1	Si
321	0.068	19.01	0	-3719	SLV 9	-5001	-12949	-76908	-7874	-12949	1	Si
379	0.068	19.01	0	5683	SLV 7	6965	12949	76908	7874	12949	1	Si
379	0.068	19.01	0	-4180	SLV 9	-5462	-12949	-76908	-7874	-12949	1	Si
437	0.068	11.4	0	5221	SLV 7	6503	10922	76908	7874	10922	1	Si
437	0.068	11.4	0	-4642	SLV 9	-5924	-10922	-76908	-7874	-10922	1	Si
496	0.068	11.4	0	4760	SLV 7	6042	10922	76908	7874	10922	1	Si
496	0.068	7.6	0	-5103	SLV 9	-6386	-9541	-76908	-7874	-9541	1	Si
554	0.068	11.4	0	4298	SLV 7	5580	10922	76908	7874	10922	1	Si
554	0.068	7.6	0	-5565	SLV 9	-6847	-9541	-76908	-7874	-9541	1	Si
612	0.068	11.4	0	3837	SLV 7	5119	10922	76908	7874	10922	1	Si
612	0.068	7.6	0	-6026	SLV 9	-7309	-9541	-76908	-7874	-9541	1	Si
671	0.068	11.4	0	3375	SLV 7	4657	10922	76908	7874	10922	1	Si
671	0.068	7.6	0	-6488	SLV 9	-7770	-9541	-76908	-7874	-9541	1	Si
700	0.068	11.4	0	3144	SLV 7	4426	10922	76908	7874	10922	1	Si
700	0.068	7.6	0	-6719	SLV 9	-8001	-9541	-76908	-7874	-9541	1	Si
758	0.068	11.4	0	2683	SLV 7	3965	10922	76908	7874	10922	1	Si
758	0.068	7.6	0	-7180	SLV 9	-8463	-9541	-76908	-7874	-9541	1	Si
817	0.068	15.21	0	2221	SLV 7	3503	12021	76908	7874	12021	1	Si
817	0.068	15.18	0	-7642	SLV 9	-8924	-12013	-76908	-7874	-12013	1	Si
852	0.068	15.21	0	1937	SLV 7	3220	12021	76908	7874	12021	1	Si
852	0.068	15.21	0	-7926	SLV 9	-9208	-12021	-76908	-7874	-12021	1	Si
875	0	15.21	0	1759	SLV 7	3042	12021	76908	0	12021	1	Si
875	0	15.21	0	-8104	SLV 9	-9386	-12021	-76908	0	-12021	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.83	0	5935	SLD 7	5935	11055	76908	0	11055	1	Si
23	0.068	7.6	0	5757	SLD 7	5757	9541	76908	7874	9541	1	Si
58	0.068	7.6	0	5473	SLD 7	5473	9541	76908	7874	9541	1	Si
117	0.068	7.6	0	5011	SLD 7	5011	9541	76908	7874	9541	1	Si
175	0.068	7.6	0	4549	SLD 7	4549	9541	76908	7874	9541	1	Si
233	0.068	7.6	0	4088	SLD 7	4088	9541	76908	7874	9541	1	Si
233	0.068	19.01	0	-277	SLD 9	-277	-12949	-76908	-7874	-12949	1	Si
262	0.068	7.6	0	3857	SLD 7	3857	9541	76908	7874	9541	1	Si
262	0.068	19.01	0	-508	SLD 9	-508	-12949	-76908	-7874	-12949	1	Si
321	0.068	19.01	0	3395	SLD 7	3395	12949	76908	7874	12949	1	Si
321	0.068	19.01	0	-969	SLD 9	-969	-12949	-76908	-7874	-12949	1	Si
379	0.068	19.01	0	2934	SLD 7	2934	12949	76908	7874	12949	1	Si
379	0.068	19.01	0	-1431	SLD 9	-1431	-12949	-76908	-7874	-12949	1	Si
437	0.068	11.4	0	2472	SLD 7	2472	10922	76908	7874	10922	1	Si
437	0.068	11.4	0	-1893	SLD 9	-1893	-10922	-76908	-7874	-10922	1	Si
496	0.068	11.4	0	2011	SLD 7	2011	10922	76908	7874	10922	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
496	0.068	11.4	0	-2354	SLD 9	-2354	-10922	-76908	-7874	-10922	1	Si
554	0.068	11.4	0	1549	SLD 7	1549	10922	76908	7874	10922	1	Si
554	0.068	7.6	0	-2816	SLD 9	-2816	-9541	-76908	-7874	-9541	1	Si
612	0.068	11.4	0	1087	SLD 7	1087	10922	76908	7874	10922	1	Si
612	0.068	7.6	0	-3277	SLD 9	-3277	-9541	-76908	-7874	-9541	1	Si
671	0.068	11.4	0	626	SLD 7	626	10922	76908	7874	10922	1	Si
671	0.068	7.6	0	-3739	SLD 9	-3739	-9541	-76908	-7874	-9541	1	Si
700	0.068	11.4	0	395	SLD 7	395	10922	76908	7874	10922	1	Si
700	0.068	7.6	0	-3970	SLD 9	-3970	-9541	-76908	-7874	-9541	1	Si
758	0.068	7.6	0	-4431	SLD 9	-4431	-9541	-76908	-7874	-9541	1	Si
817	0.068	15.18	0	-4893	SLD 9	-4893	-12013	-76908	-7874	-12013	1	Si
852	0.068	15.21	0	-5176	SLD 9	-5176	-12021	-76908	-7874	-12021	1	Si
875	0	15.21	0	-5354	SLD 9	-5354	-12021	-76908	0	-12021	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-605727	3	-564109	16	124.5	630.5	1837	-603592	2	-561971	15.9	93.4	0	+∞	Si
23	-523902	3	-523902	14.9	124.5	585.6	1837	-521760	2	-521760	14.8	93.4	0	+∞	Si
58	-400330	3	-499330	15.5	124.5	712.3	1837	-398170	2	-497185	15.4	93.4	0	+∞	Si
117	-221892	3	-307457	6.3	124.5	103.1	1837	-219684	2	-305276	11.2	93.4	0	+∞	Si
175	-70411	3	-142543	2.9	124.5	47.8	1837	-68134	2	-140303	5.1	93.4	0	+∞	Si
233	59698	1	111823	3.4	124.5	102	1837	59698	1	111823	3.4	93.4	0	+∞	Si
262	111996	1	157417	4.8	124.5	143.6	1837	111996	1	157417	4.8	93.4	0	+∞	Si
321	196416	1	228434	6.9	124.5	208.3	1837	196416	1	228434	6.9	93.4	0	+∞	Si
379	253940	1	272553	8.3	124.5	248.6	1837	253940	1	272553	8.3	93.4	0	+∞	Si
437	284567	1	289778	8.5	124.5	238.9	1837	284567	1	289778	8.5	93.4	0	+∞	Si
496	288300	1	289790	10.5	124.5	431.5	1837	288300	1	289790	10.5	93.4	0	+∞	Si
554	265139	1	280032	10.2	124.5	416.9	1837	265139	1	280032	10.2	93.4	0	+∞	Si
612	215087	1	243381	8.8	124.5	362.4	1837	215087	1	243381	8.8	93.4	0	+∞	Si
671	138136	1	179835	6.5	124.5	267.8	1837	138136	1	179835	6.5	93.4	0	+∞	Si
700	89574	1	137975	5	124.5	205.4	1837	89574	1	137975	5	93.4	0	+∞	Si
758	-37824	3	-106701	3.2	124.5	119.8	1837	-33704	2	-102437	3	93.4	0	+∞	Si
817	-182773	3	-265078	7.9	124.5	297.1	1837	-178356	2	-260506	7.7	93.4	0	+∞	Si
852	-285765	3	-285765	8.5	124.5	320.3	1837	-281156	2	-281156	8.3	93.4	0	+∞	Si
875	-354665	3	-319510	9.5	124.5	358.1	1837	-349932	2	-314839	9.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0	0	0	0	0	0	0	0	0	0	0.001	1	0	1	9999	Si
58	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.005	1	0.004	1	9999	Si
117	0.008	0.007	0.006	0.006	0.008	0.007	0.006	0.006	0.008	0.007	0.017	1	0.016	1	9999	Si
175	0.016	0.015	0.013	0.012	0.016	0.015	0.013	0.012	0.016	0.015	0.033	1	0.032	1	9999	Si
233	0.024	0.022	0.02	0.019	0.024	0.023	0.02	0.019	0.024	0.023	0.051	1	0.049	1	9999	Si
262	0.028	0.026	0.024	0.022	0.028	0.027	0.024	0.023	0.028	0.027	0.06	1	0.058	1	9999	Si
321	0.035	0.033	0.03	0.028	0.035	0.034	0.03	0.029	0.035	0.034	0.075	1	0.073	1	9999	Si
379	0.04	0.038	0.034	0.033	0.04	0.039	0.034	0.033	0.04	0.039	0.086	1	0.084	1	9999	Si
437	0.043	0.041	0.037	0.035	0.043	0.041	0.037	0.036	0.043	0.042	0.093	1	0.091	1	9419	Si
467	0.043	0.041	0.037	0.036	0.043	0.042	0.037	0.036	0.043	0.042	0.094	1	0.092	1	9303	Si
496	0.043	0.041	0.037	0.035	0.043	0.042	0.037	0.036	0.043	0.042	0.094	1	0.091	1	9340	Si
554	0.04	0.038	0.035	0.033	0.04	0.039	0.035	0.034	0.04	0.039	0.088	1	0.086	1	9904	Si
612	0.035	0.034	0.03	0.029	0.035	0.034	0.03	0.029	0.035	0.034	0.077	1	0.075	1	9999	Si
671	0.028	0.027	0.024	0.023	0.028	0.027	0.024	0.023	0.028	0.027	0.062	1	0.06	1	9999	Si
700	0.024	0.023	0.021	0.02	0.024	0.023	0.021	0.02	0.024	0.023	0.053	1	0.051	1	9999	Si
758	0.015	0.014	0.013	0.012	0.015	0.015	0.013	0.013	0.015	0.015	0.034	1	0.032	1	9999	Si
817	0.007	0.006	0.006	0.005	0.007	0.007	0.006	0.006	0.007	0.007	0.015	1	0.015	1	9999	Si
852	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3574	6214	9541	SLV 7	0.35	645	0.96	-521760	-1873408	-1872544	SLV 7	0.27	335	0.734	No
58	3291	6214	9541	SLV 7	0.37	722	1.006	-497185	-1840102	-1472297	SLV 7	0.2	172	0.559	No
87	3060	6214	9541	SLV 7	0.38	788	1.042	-397863	-1696485	-971525	SLV 7	0.13	70	0.386	No
117	2829	6214	9541	SLV 7	0.39	859	1.08	-305276	-1552892	-971525	SLV 7	0.16	112	0.468	No
175	2367	6214	9541	SLV 7	0.42	1013	1.156	-140303	-1265800	-971525	SLV 7	0.24	273	0.675	No
233	1905	6214	9541	SLV 7	0.44	1195	1.237	-2263	-978873	-971525	SLV 7	0.36	695	0.99	No
262	1675	6214	9541	SLV 7	0.46	1293	1.277	56656	-835495	-971525	SLV 7	0.44	1200	1.239	Si
321	1213	6214	9541	SLV 7	0.48	1504	1.359	154298	-548991	-971525	SLV 7	0.57	2474	1.666	Si
379	751	6214	12949	SLV 7	0.57	2474	1.666	225009	-263049	-971525	SLV 7	0.57	2474	1.666	Si
437	290	6214	10922	SLV 7	0.57	2474	1.666	285639	-376586	-971632	SLV 5	0.57	2474	1.666	Si
496	-172	-6214	-9541	SLV 9	0.54	2062	1.546	275662	648188	1422093	SLV 11	0.57	2474	1.666	Si
554	-633	-6214	-9541	SLV 9	0.51	1801	1.463	238763	923346	1422093	SLV 11	0.46	1336	1.294	Si
612	-1095	-6214	-9541	SLV 9	0.49	1562	1.38	174938	-1202342	-970824	SLV 9	0.35	633	0.953	No
671	-1557	-6214	-9541	SLV 9	0.46	1345	1.298	84184	-1484949	-970824	SLV 9	0.26	325	0.725	No
700	-1787	-6214	-9541	SLV 9	0.45	1245	1.257	28709	-1626970	-970824	SLV 9	0.23	236	0.636	No
758	-2249	-6214	-9541	SLV 9	0.42	1058	1.176	-102437	-1912035	-1869212	SLV 9	0.34	588	0.925	No
817	-2711	-6214	-12013	SLV 9	0.53	2023	1.534	-260506	-2197969	-1872764	SLV 9	0.27	348	0.746	No
852	-2994	-6214	-12021	SLV 9	0.52	1866	1.484	-281156	-2231168	-1872764	SLV 9	0.26	327	0.727	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3574	2182	9541	SLD 7	0.37	733	2.546	-521760	-829031	-1872544	SLD 7	0.23	227	1.575	Si
58	3291	2182	9541	SLD 7	0.39	822	2.669	-497185	-814292	-1472297	SLD 7	0.17	119	1.208	Si
87	3060	2182	9541	SLD 7	0.4	898	2.767	-397863	-750738	-971525	SLD 7	0.11	49	0.84	No
117	2829	2182	9541	SLD 7	0.41	978	2.866	-305276	-687195	-971525	SLD 7	0.14	78	1.016	No
175	2367	2182	9541	SLD 7	0.44	1169	3.083	-140303	-560150	-971525	SLD 7	0.21	185	1.448	Si
233	1905	2182	9541	SLD 7	0.47	1380	3.3	-2263	-433177	-971525	SLD 7	0.3	455	2.094	Si
262	1675	2182	9541	SLD 7	0.48	1493	3.409	56656	-369729	-971525	SLD 7	0.37	764	2.59	Si
321	1213	2182	12949	SLD 7	0.6	2474	4.193	154298	-242944	-971525	SLD 7	0.6	2474	4.193	Si
379	751	2182	12949	SLD 7	0.6	2474	4.193	225009	-116408	-971525	SLD 7	0.6	2474	4.193	Si
437	290	2182	10922	SLD 7	0.6	2474	4.193	285639	-166646	-971632	SLD 5	0.6	2474	4.193	Si
496	-172	-2182	-10922	SLD 9	0.6	2474	4.193	275662	286836	1422093	SLD 11	0.53	1969	3.818	Si
554	-633	-2182	-9541	SLD 9	0.54	2082	3.907	238763	408599	1422093	SLD 11	0.39	844	2.698	Si
612	-1095	-2182	-9541	SLD 9	0.51	1806	3.685	174938	-532061	-970824	SLD 9	0.29	418	2.023	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
671	-1557	-2182	-9541	SLD 9	0.49	1554	3.465	84184	-657121	-970824	SLD 9	0.22	220	1.555	Si
700	-1787	-2182	-9541	SLD 9	0.47	1437	3.356	28709	-719969	-970824	SLD 9	0.19	162	1.371	Si
758	-2249	-2182	-9541	SLD 9	0.45	1221	3.139	-102437	-846117	-1869212	SLD 9	0.29	391	1.968	Si
817	-2711	-2182	-12013	SLD 9	0.56	2339	4.098	-260506	-972650	-1872764	SLD 9	0.23	236	1.6	Si
852	-2994	-2182	-12021	SLD 9	0.55	2157	3.964	-281156	-987341	-1872764	SLD 9	0.22	222	1.56	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 29A-29B

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x50	Rettangolare	30	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 29A - ?, sezione R 30x50, asta 816

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-330259	SLU 29	-313425	-644450	0.121	Si
15	7.6	5.4	11.4	5.4						-291537	SLU 29	-291537	-644450	0.121	Si
20	7.6	5.4	11.4	5.4						-278330	SLU 29	-291537	-644450	0.121	Si
40	7.6	5.4	11.4	5.4						-227923	SLU 29	-278087	-644450	0.121	Si
60	7.6	5.4	11.4	5.4						-179038	SLU 29	-227687	-644450	0.121	Si
81	7.6	5.4	11.4	5.4						-131817	SLU 30	-178809	-644450	0.121	Si
91	7.6	5.4	11.4	5.4						-108818	SLU 30	-154972	-644450	0.121	Si
111	7.6	5.4	11.4	5.4	-26504	SLU 1	8720	943473	0.135	-63962	SLU 30	-108601	-644450	0.121	Si
131	7.6	5.4	11.4	5.4	8913	SLU 19	47933	943473	0.135	-24525	SLU 12	-63753	-644450	0.121	Si
151	7.6	5.4	11.4	5.4	48119	SLU 19	85625	943473	0.135	8431	SLU 12	-24366	-644450	0.121	Si
171	7.6	5.4	11.4	5.4	85804	SLU 19	121796	943473	0.135						Si
192	7.6	5.4	11.4	5.4	121967	SLU 19	156445	943473	0.135						Si
212	7.6	5.4	11.4	5.4	156609	SLU 19	189572	943473	0.135						Si
222	7.6	5.4	11.4	5.4	173359	SLU 19	205565	943473	0.135						Si
242	7.6	5.4	11.4	5.4	205718	SLU 19	236410	943473	0.135						Si
262	7.6	5.4	11.4	5.4	236556	SLU 19	262524	943473	0.135						Si
280	7.6	5.4	11.4	5.4	262524	SLU 19	262524	943473	0.135						Si
282	7.6	5.4	11.4	5.4	265872	SLU 19	265872	943473	0.135						Si
302	7.6	5.4	11.4	5.4	293667	SLU 19	280820	943473	0.135						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	531987	SLV 15	503772	943473	0.135	-1008678	SLV 1	-955163	-644450	0.121	No
15	7.6	5.4	11.4	5.4	465642	SLV 15	465642	943473	0.135	-884156	SLV 1	-884156	-644450	0.121	No
20	7.6	5.4	11.4	5.4	442698	SLV 15	465642	943473	0.135	-841375	SLV 1	-884156	-644450	0.121	No
40	7.6	5.4	11.4	5.4	352410	SLV 15	442267	943473	0.135	-675414	SLV 1	-840578	-644450	0.121	No
60	7.6	5.4	11.4	5.4	261364	SLV 13	351974	943473	0.135	-511034	SLV 3	-674623	-644450	0.121	No
81	7.6	5.4	11.4	5.4	170391	SLV 13	260926	943473	0.135	-349070	SLV 3	-510254	-644450	0.121	Si
91	7.6	5.4	11.4	5.4	125580	SLV 13	215331	943473	0.135	-269641	SLV 3	-428875	-644450	0.121	Si
111	7.6	5.4	11.4	5.4	38301	SLV 13	125158	943473	0.135	-114882	SLV 3	-268892	-644450	0.121	Si
131	7.6	5.4	11.4	5.4	63028	SLV 1	221087	943473	0.135	-74469	SLV 15	-170028	-644450	0.121	Si
151	7.6	5.4	11.4	5.4	221849	SLV 1	379454	943473	0.135	-170491	SLV 15	-267925	-644450	0.121	Si
171	7.6	5.4	11.4	5.4	380212	SLV 1	536826	943473	0.135	-268396	SLV 15	-367168	-644450	0.121	Si
192	7.6	5.4	11.4	5.4	537579	SLV 1	693108	943473	0.135	-367645	SLV 15	-467663	-644450	0.121	Si
212	7.6	5.4	11.4	5.4	693855	SLV 1	848264	943473	0.135	-468146	SLV 15	-569372	-644450	0.121	Si
222	7.6	5.4	11.4	5.4	771573	SLV 1	925414	943473	0.135	-518853	SLV 15	-620677	-644450	0.121	Si
242	7.6	5.4	11.4	5.4	926154	SLV 1	1078852	943473	0.135	-621169	SLV 15	-724179	-644450	0.121	No
262	7.6	5.4	11.4	5.4	1079586	SLV 1	1214277	943473	0.135	-724677	SLV 15	-817223	-644450	0.121	No
280	7.6	5.4	11.4	5.4	1214277	SLV 1	1214277	943473	0.135	-817223	SLV 15	-817223	-644450	0.121	No
282	7.6	5.4	11.4	5.4	1231863	SLV 1	1231863	943473	0.135	-829370	SLV 15	-829370	-644450	0.121	No
302	7.6	5.4	11.4	5.4	1382980	SLV 1	1310995	943473	0.135	-935245	SLV 15	-884212	-644450	0.121	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	102544	SLD 15	97110	943473	0.135	-579235	SLD 1	-548501	-644450	0.121	Si
15	7.6	5.4	11.4	5.4	89400	SLD 15	89400	943473	0.135	-507914	SLD 1	-507914	-644450	0.121	Si
20	7.6	5.4	11.4	5.4	84776	SLD 15	89400	943473	0.135	-483453	SLD 1	-507914	-644450	0.121	Si
40	7.6	5.4	11.4	5.4	65914	SLD 15	84687	943473	0.135	-388917	SLD 1	-482999	-644450	0.121	Si
60	7.6	5.4	11.4	5.4	46063	SLD 13	65820	943473	0.135	-295734	SLD 3	-388469	-644450	0.121	Si
81	7.6	5.4	11.4	5.4	25592	SLD 13	45965	943473	0.135	-204271	SLD 3	-295293	-644450	0.121	Si
91	7.6	5.4	11.4	5.4	15410	SLD 13	35761	943473	0.135	-159471	SLD 3	-249306	-644450	0.121	Si
111	7.6	5.4	11.4	5.4	-4411	SLD 13	24244	943473	0.135	-72169	SLD 3	-159049	-644450	0.121	Si
131	7.6	5.4	11.4	5.4	24695	SLD 1	112070	943473	0.135	-36136	SLD 15	-71777	-644450	0.121	Si
151	7.6	5.4	11.4	5.4	112490	SLD 1	199008	943473	0.135	-61132	SLD 15	-87479	-644450	0.121	Si
171	7.6	5.4	11.4	5.4	199424	SLD 1	284853	943473	0.135	-87608	SLD 15	-115196	-644450	0.121	Si
192	7.6	5.4	11.4	5.4	285263	SLD 1	369563	943473	0.135	-115330	SLD 15	-144118	-644450	0.121	Si
212	7.6	5.4	11.4	5.4	369967	SLD 1	453121	943473	0.135	-144258	SLD 15	-174230	-644450	0.121	Si
222	7.6	5.4	11.4	5.4	411888	SLD 1	494467	943473	0.135	-159168	SLD 15	-189730	-644450	0.121	Si
242	7.6	5.4	11.4	5.4	494863	SLD 1	576286	943473	0.135	-189878	SLD 15	-221614	-644450	0.121	Si
262	7.6	5.4	11.4	5.4	576677	SLD 1	648030	943473	0.135	-221768	SLD 15	-250975	-644450	0.121	Si
280	7.6	5.4	11.4	5.4	648030	SLD 1	648030	943473	0.135	-250975	SLD 15	-250975	-644450	0.121	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
282	7.6	5.4	11.4	5.4	657327	SLD 1	657327	943473	0.135	-254835	SLD 15	-254835	-644450	0.121	Si
302	7.6	5.4	11.4	5.4	736812	SLD 1	699116	943473	0.135	-289077	SLD 15	-272333	-644450	0.121	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2982	SLU 29	2982	6102	35398	0	6102	1	Si
15	0.161	7.6	0	2918	SLU 29	2918	6102	35398	12892	12892	1	Si
20	0.161	7.6	0	2896	SLU 29	2896	6102	35398	12892	12892	1	Si
40	0.161	7.6	0	2810	SLU 29	2810	6102	35398	12892	12892	1	Si
60	0.161	7.6	0	2724	SLU 29	2724	6102	35398	12892	12892	1	Si
81	0.14	7.6	0	2638	SLU 29	2638	6102	35398	11232	11232	1	Si
91	0.14	7.6	0	2595	SLU 29	2595	6102	35398	11232	11232	1	Si
111	0.14	7.6	0	2509	SLU 29	2509	6102	35398	11232	11232	1	Si
131	0.14	7.6	0	2423	SLU 29	2423	6102	35398	11232	11232	1	Si
151	0.14	11.4	0	2336	SLU 29	2336	6985	35398	11232	11232	1	Si
171	0.14	11.4	0	2250	SLU 29	2250	6985	35398	11232	11232	1	Si
192	0.14	11.4	0	2164	SLU 29	2164	6985	35398	11232	11232	1	Si
212	0.14	11.4	0	2078	SLU 29	2078	6985	35398	11232	11232	1	Si
222	0.14	11.4	0	2035	SLU 29	2035	6985	35398	11232	11232	1	Si
242	0.141	11.4	0	1949	SLU 29	1949	6985	35398	11281	11281	1	Si
262	0.141	11.4	0	1863	SLU 29	1863	6985	35398	11281	11281	1	Si
280	0.141	11.4	0	1787	SLU 29	1787	6985	35398	11281	11281	1	Si
282	0	11.4	0	1777	SLU 29	1777	6985	35398	0	6985	1	Si
302	0	11.4	0	1691	SLU 29	1691	6985	35398	0	6985	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	9517	SLV 1	11409	6102	35398	0	6102	1	Si
0	0	11.4	0	-5035	SLV 15	-6927	-6985	-35398	0	-6985	1	Si
15	0.161	7.6	0	9468	SLV 1	11359	6102	35398	12892	12892	1	Si
15	0.161	11.4	0	-5084	SLV 15	-6976	-6985	-35398	-12892	-12892	1	Si
20	0.161	7.6	0	9451	SLV 1	11342	6102	35398	12892	12892	1	Si
20	0.161	11.4	0	-5101	SLV 15	-6993	-6985	-35398	-12892	-12892	1	Si
40	0.161	7.6	0	9384	SLV 1	11276	6102	35398	12892	12892	1	Si
40	0.161	11.4	0	-5167	SLV 15	-7059	-6985	-35398	-12892	-12892	1	Si
60	0.161	7.6	0	9318	SLV 1	11210	6102	35398	12892	12892	1	Si
60	0.161	11.4	0	-5234	SLV 15	-7125	-6985	-35398	-12892	-12892	1	Si
81	0.14	7.6	0	9252	SLV 1	11144	6102	35398	11232	11232	1	Si
81	0.14	11.4	0	-5300	SLV 15	-7192	-6985	-35398	-11232	-11232	1	Si
91	0.14	7.6	0	9219	SLV 1	11111	6102	35398	11232	11232	1	Si
91	0.14	11.4	0	-5333	SLV 15	-7225	-6985	-35398	-11232	-11232	1	Si
111	0.14	7.6	0	9153	SLV 1	11044	6102	35398	11232	11232	1	Si
111	0.14	11.4	0	-5399	SLV 15	-7291	-6985	-35398	-11232	-11232	1	Si
131	0.14	11.4	0	9086	SLV 1	10978	6985	35398	11232	11232	1	Si
131	0.14	7.6	0	-5465	SLV 15	-7357	-6102	-35398	-11232	-11232	1	Si
151	0.14	11.4	0	9020	SLV 1	10912	6985	35398	11232	11232	1	Si
151	0.14	7.6	0	-5532	SLV 15	-7423	-6102	-35398	-11232	-11232	1	Si
171	0.14	11.4	0	8954	SLV 1	10846	6985	35398	11232	11232	1	Si
171	0.14	7.6	0	-5598	SLV 15	-7490	-6102	-35398	-11232	-11232	1	Si
192	0.14	11.4	0	8888	SLV 1	10779	6985	35398	11232	11232	1	Si
192	0.14	7.6	0	-5664	SLV 15	-7556	-6102	-35398	-11232	-11232	1	Si
212	0.14	11.4	0	8821	SLV 1	10713	6985	35398	11232	11232	1	Si
212	0.14	7.6	0	-5730	SLV 15	-7622	-6102	-35398	-11232	-11232	1	Si
222	0.14	11.4	0	8788	SLV 1	10680	6985	35398	11232	11232	1	Si
222	0.14	7.6	0	-5764	SLV 15	-7655	-6102	-35398	-11232	-11232	1	Si
242	0.141	11.4	0	8722	SLV 1	10614	6985	35398	11281	11281	1	Si
242	0.141	7.6	0	-5830	SLV 15	-7722	-6102	-35398	-11281	-11281	1	Si
262	0.141	11.4	0	8656	SLV 1	10547	6985	35398	11281	11281	1	Si
262	0.141	7.6	0	-5896	SLV 15	-7788	-6102	-35398	-11281	-11281	1	Si
280	0.141	11.4	0	8597	SLV 1	10489	6985	35398	11281	11281	1	Si
280	0.141	7.6	0	-5955	SLV 15	-7846	-6102	-35398	-11281	-11281	1	Si
282	0	11.4	0	8589	SLV 1	10481	6985	35398	0	6985	1	Si
282	0	7.6	0	-5962	SLV 15	-7854	-6102	-35398	0	-6102	1	Si
302	0	11.4	0	8523	SLV 1	10415	6985	35398	0	6985	1	Si
302	0	7.6	0	-6029	SLV 15	-7920	-6102	-35398	0	-6102	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5461	SLD 1	5461	6102	35398	0	6102	1	Si
0	0	11.4	0	-979	SLD 15	-979	-6985	-35398	0	-6985	1	Si
15	0.161	7.6	0	5412	SLD 1	5412	6102	35398	12892	12892	1	Si
15	0.161	11.4	0	-1028	SLD 15	-1028	-6985	-35398	-12892	-12892	1	Si
20	0.161	7.6	0	5395	SLD 1	5395	6102	35398	12892	12892	1	Si
20	0.161	11.4	0	-1045	SLD 15	-1045	-6985	-35398	-12892	-12892	1	Si
40	0.161	7.6	0	5328	SLD 1	5328	6102	35398	12892	12892	1	Si
40	0.161	11.4	0	-1111	SLD 15	-1111	-6985	-35398	-12892	-12892	1	Si
60	0.161	7.6	0	5262	SLD 1	5262	6102	35398	12892	12892	1	Si
60	0.161	11.4	0	-1177	SLD 15	-1177	-6985	-35398	-12892	-12892	1	Si
81	0.14	7.6	0	5196	SLD 1	5196	6102	35398	11232	11232	1	Si
81	0.14	11.4	0	-1244	SLD 15	-1244	-6985	-35398	-11232	-11232	1	Si
91	0.14	7.6	0	5163	SLD 1	5163	6102	35398	11232	11232	1	Si
91	0.14	11.4	0	-1277	SLD 15	-1277	-6985	-35398	-11232	-11232	1	Si
111	0.14	7.6	0	5096	SLD 1	5096	6102	35398	11232	11232	1	Si
111	0.14	7.6	0	-1343	SLD 15	-1343	-6102	-35398	-11232	-11232	1	Si
131	0.14	11.4	0	5030	SLD 1	5030	6985	35398	11232	11232	1	Si
131	0.14	7.6	0	-1409	SLD 15	-1409	-6102	-35398	-11232	-11232	1	Si
151	0.14	11.4	0	4964	SLD 1	4964	6985	35398	11232	11232	1	Si
151	0.14	7.6	0	-1476	SLD 15	-1476	-6102	-35398	-11232	-11232	1	Si
171	0.14	11.4	0	4898	SLD 1	4898	6985	35398	11232	11232	1	Si
171	0.14	7.6	0	-1542	SLD 15	-1542	-6102	-35398	-11232	-11232	1	Si
192	0.14	11.4	0	4831	SLD 1	4831	6985	35398	11232	11232	1	Si
192	0.14	7.6	0	-1608	SLD 15	-1608	-6102	-35398	-11232	-11232	1	Si
212	0.14	11.4	0	4765	SLD 1	4765	6985	35398	11232	11232	1	Si
212	0.14	7.6	0	-1674	SLD 15	-1674	-6102	-35398	-11232	-11232	1	Si
222	0.14	11.4	0	4732	SLD 1	4732	6985	35398	11232	11232	1	Si
222	0.14	7.6	0	-1707	SLD 15	-1707	-6102	-35398	-11232	-11232	1	Si
242	0.141	11.4	0	4666	SLD 1	4666	6985	35398	11281	11281	1	Si
242	0.141	7.6	0	-1774	SLD 15	-1774	-6102	-35398	-11281	-11281	1	Si
262	0.141	11.4	0	4600	SLD 1	4600	6985	35398	11281	11281	1	Si
262	0.141	7.6	0	-1840	SLD 15	-1840	-6102	-35398	-11281	-11281	1	Si
280	0.141	11.4	0	4541	SLD 1	4541	6985	35398	11281	11281	1	Si
280	0.141	7.6	0	-1899	SLD 15	-1899	-6102	-35398	-11281	-11281	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
282	0	11.4	0	4533	SLD 1	4533	6985	35398	0	6985	1	Si
282	0	7.6	0	-1906	SLD 15	-1906	-6102	-35398	0	-6102	1	Si
302	0	11.4	0	4467	SLD 1	4467	6985	35398	0	6985	1	Si
302	0	7.6	0	-1972	SLD 15	-1972	-6102	-35398	0	-6102	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-247832	2	-235002	20.4	124.5	773.2	1837	-238346	2	-225696	19.6	93.4	0	+∞	Si
15	-218325	2	-218325	19	124.5	718.3	1837	-209257	2	-209257	18.2	93.4	0	+∞	Si
20	-208262	2	-218325	19	124.5	718.3	1837	-199338	2	-209257	18.2	93.4	0	+∞	Si
40	-169862	2	-208077	18.1	124.5	684.6	1837	-161502	2	-199156	17.3	93.4	0	+∞	Si
60	-132633	2	-169683	14.7	124.5	558.3	1837	-124835	2	-161325	14	93.4	0	+∞	Si
81	-96670	3	-132459	11.5	124.5	435.8	1837	-89340	2	-124664	10.8	93.4	0	+∞	Si
91	-79155	3	-114307	9.9	124.5	376.1	1837	-72031	2	-106772	9.3	93.4	0	+∞	Si
111	-45002	3	-78989	6.9	124.5	259.9	1837	-38290	2	-71867	6.2	93.4	0	+∞	Si
131	3022	1	33432	2.7	124.5	74.6	1837	3022	1	33432	2.7	93.4	0	+∞	Si
131	-12020	3	-44842	3.9	124.5	147.5	1837	-5720	2	-38133	3.3	93.4	0	+∞	Si
151	33577	1	62822	5.1	124.5	140.2	1837	33577	1	62822	5.1	93.4	0	+∞	Si
171	62962	1	91042	7.4	124.5	203.1	1837	62962	1	91042	7.4	93.4	0	+∞	Si
192	91176	1	118092	9.6	124.5	263.5	1837	91176	1	118092	9.6	93.4	0	+∞	Si
212	118220	1	143971	11.7	124.5	321.2	1837	118220	1	143971	11.7	93.4	0	+∞	Si
222	131303	1	156472	12.8	124.5	349.1	1837	131303	1	156472	12.8	93.4	0	+∞	Si
242	156591	1	180595	14.7	124.5	402.9	1837	156591	1	180595	14.7	93.4	0	+∞	Si
262	180709	1	201036	16.4	124.5	448.5	1837	180709	1	201036	16.4	93.4	0	+∞	Si
280	201036	1	201036	16.4	124.5	448.5	1837	201036	1	201036	16.4	93.4	0	+∞	Si
282	203657	1	203657	16.6	124.5	454.4	1837	203657	1	203657	16.6	93.4	0	+∞	Si
302	225434	1	215362	17.6	124.5	480.5	1837	225434	1	215362	17.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
20	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
40	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.004	1	-0.005	1	9999	Si
60	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	1	-0.005	1	9999	Si
81	0	-0.002	-0.001	-0.002	0	-0.001	-0.001	-0.002	0	-0.001	-0.002	1	-0.003	1	9999	Si
91	0	-0.001	0	-0.002	0	-0.001	0	-0.001	0	-0.001	-0.001	1	-0.002	1	9999	Si
111	0.001	0	0.001	-0.001	0.001	0	0.001	0	0.001	0	0.002	1	0	1	9999	Si
131	0.002	0.001	0.002	0	0.002	0.001	0.002	0.001	0.002	0.001	0.004	1	0.002	1	9999	Si
151	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.007	1	0.005	1	9999	Si
171	0.004	0.003	0.004	0.003	0.004	0.003	0.004	0.003	0.004	0.003	0.009	1	0.008	1	9999	Si
192	0.004	0.003	0.005	0.003	0.004	0.004	0.005	0.004	0.004	0.004	0.011	1	0.01	1	9999	Si
212	0.005	0.004	0.005	0.004	0.005	0.004	0.005	0.004	0.005	0.004	0.012	1	0.011	1	9999	Si
222	0.005	0.004	0.005	0.004	0.005	0.004	0.005	0.005	0.005	0.004	0.012	1	0.011	1	9999	Si
242	0.005	0.004	0.005	0.004	0.005	0.004	0.005	0.004	0.005	0.004	0.012	1	0.01	1	9999	Si
262	0.004	0.003	0.004	0.003	0.004	0.003	0.004	0.004	0.004	0.003	0.009	1	0.009	1	9999	Si
280	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.006	1	0.006	1	9999	Si
282	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.006	1	0.005	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	2192	9168	12892	SLV 1	0.42	1043	1.169	-209257	-674899	-644450	SLV 1	0.24	263	0.665	No
20	2175	9168	12892	SLV 1	0.42	1047	1.171	-209257	-674899	-644450	SLV 1	0.24	263	0.665	No
40	2109	9168	12892	SLV 1	0.43	1065	1.179	-199156	-641422	-644450	SLV 1	0.26	309	0.71	No
60	2042	9168	12892	SLV 1	0.43	1082	1.187	-161325	-513299	-644450	SLV 1	0.34	614	0.941	No
81	1976	9168	11232	SLV 1	0.37	728	1.009	-124664	-385590	-644450	SLV 3	0.48	1528	1.368	Si
91	1943	9168	11232	SLV 1	0.37	735	1.013	-106772	-322103	-644450	SLV 3	0.57	2474	1.666	Si
111	1877	9168	11232	SLV 1	0.37	747	1.02	-71867	-197025	-644450	SLV 3	0.57	2474	1.666	Si
131	1810	9168	11232	SLV 1	0.37	760	1.027	25530	-195558	-644450	SLV 15	0.57	2474	1.666	Si
151	1744	9168	11232	SLV 1	0.38	774	1.035	55765	-323689	-644450	SLV 15	0.57	2474	1.666	Si
171	1678	9168	11232	SLV 1	0.38	787	1.042	84829	-451997	-644450	SLV 15	0.57	2471	1.666	Si
192	1612	9168	11232	SLV 1	0.38	800	1.049	112722	-580385	-644450	SLV 15	0.47	1400	1.319	Si
212	1545	9168	11232	SLV 1	0.38	814	1.056	139446	-708818	-644450	SLV 15	0.4	910	1.106	Si
222	1512	9168	11232	SLV 1	0.38	820	1.06	152369	773045	943473	SLV 1	0.37	753	1.023	Si
242	1446	9168	11281	SLV 1	0.39	844	1.072	177336	901515	943473	SLV 1	0.31	480	0.851	No
262	1380	9168	11281	SLV 1	0.39	858	1.079	198527	1015750	943473	SLV 1	0.27	348	0.746	No
280	1321	9168	11281	SLV 1	0.39	871	1.086	198527	1015750	943473	SLV 1	0.27	348	0.746	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	2192	3220	12892	SLD 1	0.44	1204	3.121	-209257	-298657	-644450	SLD 1	0.2	178	1.425	Si
20	2175	3220	12892	SLD 1	0.44	1209	3.126	-209257	-298657	-644450	SLD 1	0.2	178	1.425	Si
40	2109	3220	12892	SLD 1	0.45	1229	3.147	-199156	-283843	-644450	SLD 1	0.22	209	1.522	Si
60	2042	3220	12892	SLD 1	0.45	1249	3.168	-161325	-227144	-644450	SLD 1	0.29	407	2.001	Si
81	1976	3220	11232	SLD 1	0.39	828	2.677	-124664	-170629	-644450	SLD 3	0.41	955	2.838	Si
91	1943	3220	11232	SLD 1	0.39	836	2.687	-106772	-142534	-644450	SLD 3	0.5	1687	3.584	Si
111	1877	3220	11232	SLD 1	0.39	850	2.706	-71867	-87181	-644450	SLD 3	0.6	2474	4.193	Si
131	1810	3220	11232	SLD 1	0.39	865	2.725	25530	-86540	-644450	SLD 15	0.6	2474	4.193	Si
151	1744	3220	11232	SLD 1	0.4	881	2.746	55765	-143244	-644450	SLD 15	0.6	2474	4.193	Si
171	1678	3220	11232	SLD 1	0.4	896	2.765	84829	-200024	-644450	SLD 15	0.48	1540	3.452	Si
192	1612	3220	11232	SLD 1	0.4	910	2.782	112722	-256840	-644450	SLD 15	0.4	881	2.746	Si
212	1545	3220	11232	SLD 1	0.4	926	2.802	139446	-313676	-644450	SLD 15	0.34	590	2.33	Si
222	1512	3220	11232	SLD 1	0.41	934	2.812	152369	342098	943473	SLD 1	0.31	489	2.157	Si
242	1446	3220	11281	SLD 1	0.41	960	2.844	177336	398950	943473	SLD 1	0.26	326	1.827	Si
262	1380	3220	11281	SLD 1	0.41	977	2.865	198527	449502	943473	SLD 1	0.23	236	1.6	Si
280	1321	3220	11281	SLD 1	0.41	993	2.884	198527	449502	943473	SLD 1	0.23	236	1.6	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 30-36

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - 32, sezione R 45x70, asta 1020

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4						-987068	SLU 30	-843260	-2773116	0.1	Si
23	22.81	5.4	15.21	5.4						-710115	SLU 30	-710115	-2773116	0.1	Si
31	22.81	5.4	15.21	5.4						-607907	SLU 30	-710115	-2773116	0.1	Si
62	22.81	5.4	15.21	5.4	-169573	SLU 1	15727	1872416	0.087	-283213	SLU 36	-584741	-2773116	0.1	Si
93	22.81	5.4	15.21	5.4	33148	SLU 20	244261	1872416	0.087	-41075	SLU 17	-264323	-2773116	0.1	Si
125	20.56	5.4	14.99	5.4	258683	SLU 20	435460	1846679	0.087	115360	SLU 17	-30105	-2507578	0.097	Si
140	17.63	5.4	13.94	5.4	357174	SLU 29	516035	1722467	0.086						Si
171	7.6	5.4	11.4	5.4	526669	SLU 29	655403	1422093	0.084						Si
203	7.6	5.4	11.4	5.4	664275	SLU 29	771660	1422093	0.084						Si
234	7.6	5.4	11.4	5.4	778992	SLU 29	865525	1422093	0.084						Si
265	7.6	5.4	11.4	5.4	871386	SLU 30	937026	1422093	0.084						Si
296	7.6	5.4	11.4	5.4	941347	SLU 30	985644	1422093	0.084						Si
327	7.6	5.4	11.4	5.4	988426	SLU 30	1011381	1422093	0.084						Si
358	7.6	5.4	11.4	5.4	1012624	SLU 30	1016144	1422093	0.084						Si
374	9.11	5.4	11.4	5.4	1016144	SLU 30	1016144	1422093	0.084						Si
405	10.58	5.4	11.4	5.4	1006026	SLU 30	1015848	1422094	0.084						Si
436	11.4	5.4	11.4	5.4	973032	SLU 30	1004191	1422094	0.084						Si
445	11.4	5.4	11.4	5.4	959087	SLU 30	996606	1422094	0.084						Si
467	11.4	5.4	11.4	5.4	917164	SLU 30	917164	1422094	0.084						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4	1455993	SLV 13	1455993	1872416	0.087	-2792247	SLV 3	-2615826	-2773116	0.1	Si
23	22.81	5.4	15.21	5.4	1481652	SLV 13	1493482	1872416	0.087	-2446329	SLV 3	-2446329	-2773116	0.1	Si
31	22.81	5.4	15.21	5.4	1488601	SLV 13	1493482	1872416	0.087	-2316025	SLV 3	-2446329	-2773116	0.1	Si
62	22.81	5.4	15.21	5.4	1490748	SLV 13	1493482	1872416	0.087	-1870313	SLV 3	-2285527	-2773116	0.1	Si
93	22.81	5.4	15.21	5.4	1462446	SLV 13	1489356	1872416	0.087	-1455119	SLV 3	-1841868	-2773116	0.1	Si
125	20.56	5.4	14.99	5.4	1403713	SLV 13	1459007	1846679	0.087	-1070460	SLV 3	-1428729	-2507578	0.097	Si
140	17.63	5.4	13.94	5.4	1362942	SLV 13	1432419	1722467	0.086	-889588	SLV 3	-1233608	-2159763	0.093	Si
171	7.6	5.4	11.4	5.4	1258742	SLV 13	1356435	1422093	0.084	-550674	SLV 3	-866281	-970824	0.078	Si
203	7.6	5.4	11.4	5.4	1133404	SLV 13	1250569	1422093	0.084	-233284	SLV 3	-529054	-970824	0.078	Si
234	7.6	5.4	11.4	5.4	992866	SLV 13	1124201	1422093	0.084	67994	SLV 3	-212741	-970824	0.078	Si
265	7.6	5.4	11.4	5.4	878784	SLV 9	982683	1422093	0.084						Si
296	7.6	5.4	11.4	5.4	838371	SLV 5	945468	1422093	0.084						Si
327	7.6	5.4	11.4	5.4	959938	SLV 1	1154106	1422093	0.084						Si
358	7.6	5.4	11.4	5.4	1167912	SLV 1	1354291	1422093	0.084						Si
374	9.11	5.4	11.4	5.4	1268291	SLV 1	1453591	1422093	0.084	128489	SLV 15	-66944	-1149551	0.08	No
405	10.58	5.4	11.4	5.4	1466949	SLV 1	1642231	1422094	0.084	-81598	SLV 15	-296203	-1323939	0.082	No
436	11.4	5.4	11.4	5.4	1661547	SLV 3	1713325	1422094	0.084	-318919	SLV 13	-389104	-1422094	0.084	No
445	11.4	5.4	11.4	5.4	1713325	SLV 3	1713325	1422094	0.084	-389104	SLV 13	-389104	-1422094	0.084	No
467	11.4	5.4	11.4	5.4	1844278	SLV 3	1781323	1422094	0.084	-575667	SLV 13	-481313	-1422094	0.084	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4	271818	SLD 13	271818	1872416	0.087	-1608072	SLD 3	-1476265	-2773116	0.1	Si
23	22.81	5.4	15.21	5.4	386749	SLD 13	513065	1872416	0.087	-1351427	SLD 3	-1351427	-2773116	0.1	Si
31	22.81	5.4	15.21	5.4	428084	SLD 13	545926	1872416	0.087	-1255508	SLD 3	-1351427	-2773116	0.1	Si
62	22.81	5.4	15.21	5.4	553876	SLD 13	643298	1872416	0.087	-933440	SLD 3	-1233329	-2773116	0.1	Si
93	22.81	5.4	15.21	5.4	649199	SLD 13	710209	1872416	0.087	-641871	SLD 3	-913313	-2773116	0.1	Si
125	20.56	5.4	14.99	5.4	714060	SLD 13	746672	1846679	0.087	-380807	SLD 3	-623796	-2507578	0.097	Si
140	17.63	5.4	13.94	5.4	735072	SLD 13	753592	1722467	0.086	-261718	SLD 3	-490476	-2159763	0.093	Si
171	7.6	5.4	11.4	5.4	754388	SLD 13	755365	1422093	0.084	-46320	SLD 3	-246722	-970824	0.078	Si
203	7.6	5.4	11.4	5.4	752456	SLD 13	755365	1422093	0.084	147663	SLD 3	-33005	-970824	0.078	Si
234	7.6	5.4	11.4	5.4	735065	SLD 13	751544	1422093	0.084						Si
265	7.6	5.4	11.4	5.4	720646	SLD 9	733131	1422093	0.084						Si
296	7.6	5.4	11.4	5.4	730058	SLD 5	794953	1422093	0.084						Si
327	7.6	5.4	11.4	5.4	802466	SLD 1	897784	1422093	0.084						Si
358	7.6	5.4	11.4	5.4	904413	SLD 1	988119	1422093	0.084						Si
374	9.11	5.4	11.4	5.4	950506	SLD 1	1029664	1422093	0.084						Si
405	10.58	5.4	11.4	5.4	1035213	SLD 1	1101826	1422094	0.084						Si
436	11.4	5.4	11.4	5.4	1109414	SLD 3	1127196	1422094	0.084						Si
445	11.4	5.4	11.4	5.4	1127196	SLD 3	1127196	1422094	0.084						Si
467	11.4	5.4	11.4	5.4	1169643	SLD 3	1150536	1422094	0.084						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	12910	SLU 30	12910	13761	76908	0	13761	1	Si
23	0.158	22.81	0	11835	SLU 30	11835	13761	76908	18340	18340	1	Si
31	0.158	22.81	0	11421	SLU 30	11421	13761	76908	18340	18340	1	Si
62	0.158	20.56	0	9932	SLU 30	9932	13294	76908	18340	18340	1	Si
93	0.128	12.89	0	8443	SLU 30	8443	11377	76908	14873	14873	1	Si
125	0.128	11.4	0	6954	SLU 30	6954	10922	76908	14873	14873	1	Si
140	0.128	11.4	0	6209	SLU 30	6209	10922	76908	14873	14873	1	Si
171	0.128	11.4	0	4815	SLU 30	4815	10922	76908	14873	14873	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
203	0.128	11.4	0	4080	SLU 30	4080	10922	76908	14873	14873	1	Si
234	0.128	11.4	0	3346	SLU 30	3346	10922	76908	14873	14873	1	Si
265	0.128	11.4	0	2612	SLU 30	2612	10922	76908	14873	14873	1	Si
296	0.128	11.4	0	1913	SLU 36	1913	10922	76908	14873	14873	1	Si
327	0.128	11.4	0	1249	SLU 35	1249	10922	76908	14873	14873	1	Si
358	0.128	11.4	0	671	SLU 35	671	10922	76908	14873	14873	1	Si
374	0.128	11.4	0	404	SLU 17	404	10922	76908	14873	14873	1	Si
374	0.128	11.4	0	-165	SLU 20	-165	-10922	-76908	-14873	-14873	1	Si
405	0.086	11.4	0	-877	SLU 20	-877	-10922	-76908	-10004	-10922	1	Si
436	0.086	11.4	0	-1589	SLU 20	-1589	-10922	-76908	-10004	-10922	1	Si
445	0.086	11.4	0	-1787	SLU 20	-1787	-10922	-76908	-10004	-10922	1	Si
467	0	11.4	0	-2301	SLU 20	-2301	-10922	-76908	0	-10922	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	15772	SLV 3	17624	13761	76908	0	13761	1	Si
0	0	15.21	0	1531	SLV 13	-320	-12021	-76908	0	-12021	1	Si
23	0.158	22.81	0	15066	SLV 3	16918	13761	76908	18340	18340	1	Si
23	0.158	15.21	0	826	SLV 13	-1026	-12021	-76908	-18340	-18340	1	Si
31	0.158	22.81	0	14794	SLV 3	16646	13761	76908	18340	18340	1	Si
31	0.158	15.21	0	554	SLV 13	-1298	-12021	-76908	-18340	-18340	1	Si
62	0.158	20.56	0	13816	SLV 3	15668	13294	76908	18340	18340	1	Si
62	0.158	14.99	0	-425	SLV 13	-2276	-11963	-76908	-18340	-18340	1	Si
93	0.128	14.69	0	12838	SLV 3	14689	11883	76908	14873	14873	1	Si
93	0.128	12.89	0	-1403	SLV 13	-3254	-11377	-76908	-14873	-14873	1	Si
125	0.128	7.6	0	11860	SLV 3	13711	9541	76908	14873	14873	1	Si
125	0.128	11.4	0	-2381	SLV 13	-4232	-10922	-76908	-14873	-14873	1	Si
140	0.128	7.6	0	11371	SLV 3	13222	9541	76908	14873	14873	1	Si
140	0.128	11.4	0	-2870	SLV 13	-4721	-10922	-76908	-14873	-14873	1	Si
171	0.128	7.6	0	10453	SLV 3	12304	9541	76908	14873	14873	1	Si
171	0.128	11.4	0	-3788	SLV 13	-5639	-10922	-76908	-14873	-14873	1	Si
203	0.128	7.6	0	9950	SLV 3	11802	9541	76908	14873	14873	1	Si
203	0.128	11.4	0	-4290	SLV 13	-6142	-10922	-76908	-14873	-14873	1	Si
234	0.128	11.4	0	9448	SLV 3	11299	10922	76908	14873	14873	1	Si
234	0.128	11.4	0	-4793	SLV 13	-6644	-10922	-76908	-14873	-14873	1	Si
265	0.128	11.4	0	8946	SLV 3	10797	10922	76908	14873	14873	1	Si
265	0.128	11.4	0	-5295	SLV 13	-7146	-10922	-76908	-14873	-14873	1	Si
296	0.128	11.4	0	8443	SLV 3	10295	10922	76908	14873	14873	1	Si
296	0.128	11.4	0	-5797	SLV 13	-7649	-10922	-76908	-14873	-14873	1	Si
327	0.128	11.4	0	7941	SLV 3	9793	10922	76908	14873	14873	1	Si
327	0.128	11.4	0	-6299	SLV 13	-8151	-10922	-76908	-14873	-14873	1	Si
358	0.128	11.4	0	7439	SLV 3	9290	10922	76908	14873	14873	1	Si
358	0.128	11.4	0	-6802	SLV 13	-8653	-10922	-76908	-14873	-14873	1	Si
374	0.128	11.4	0	7188	SLV 3	9039	10922	76908	14873	14873	1	Si
374	0.128	11.4	0	-7053	SLV 13	-8904	-10922	-76908	-14873	-14873	1	Si
405	0.086	11.4	0	6686	SLV 3	8537	10922	76908	10004	10922	1	Si
405	0.086	7.6	0	-7555	SLV 13	-9406	-9541	-76908	-10004	-10004	1	Si
436	0.086	11.4	0	6184	SLV 3	8035	10922	76908	10004	10922	1	Si
436	0.086	9.11	0	-8057	SLV 13	-9908	-10133	-76908	-10004	-10133	1	Si
445	0.086	11.4	0	6044	SLV 3	7896	10922	76908	10004	10922	1	Si
445	0.086	9.11	0	-8196	SLV 13	-10048	-10133	-76908	-10004	-10133	1	Si
467	0	11.4	0	5682	SLV 3	7533	10922	76908	0	10922	1	Si
467	0	10.58	0	-8559	SLV 13	-10410	-10651	-76908	0	-10651	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	11803	SLD 3	11803	13761	76908	0	13761	1	Si
23	0.158	22.81	0	11097	SLD 3	11097	13761	76908	18340	18340	1	Si
31	0.158	22.81	0	10825	SLD 3	10825	13761	76908	18340	18340	1	Si
62	0.158	20.56	0	9847	SLD 3	9847	13294	76908	18340	18340	1	Si
93	0.128	14.69	0	8868	SLD 3	8868	11883	76908	14873	14873	1	Si
125	0.128	7.6	0	7890	SLD 3	7890	9541	76908	14873	14873	1	Si
140	0.128	7.6	0	7401	SLD 3	7401	9541	76908	14873	14873	1	Si
171	0.128	7.6	0	6483	SLD 3	6483	9541	76908	14873	14873	1	Si
203	0.128	11.4	0	5981	SLD 3	5981	10922	76908	14873	14873	1	Si
203	0.128	11.4	0	-321	SLD 13	-321	-10922	-76908	-14873	-14873	1	Si
234	0.128	11.4	0	5478	SLD 3	5478	10922	76908	14873	14873	1	Si
234	0.128	11.4	0	-823	SLD 13	-823	-10922	-76908	-14873	-14873	1	Si
265	0.128	11.4	0	4976	SLD 3	4976	10922	76908	14873	14873	1	Si
265	0.128	11.4	0	-1325	SLD 13	-1325	-10922	-76908	-14873	-14873	1	Si
296	0.128	11.4	0	4474	SLD 3	4474	10922	76908	14873	14873	1	Si
296	0.128	11.4	0	-1828	SLD 13	-1828	-10922	-76908	-14873	-14873	1	Si
327	0.128	11.4	0	3972	SLD 3	3972	10922	76908	14873	14873	1	Si
327	0.128	11.4	0	-2330	SLD 13	-2330	-10922	-76908	-14873	-14873	1	Si
358	0.128	11.4	0	3469	SLD 3	3469	10922	76908	14873	14873	1	Si
358	0.128	11.4	0	-2832	SLD 13	-2832	-10922	-76908	-14873	-14873	1	Si
374	0.128	11.4	0	3218	SLD 3	3218	10922	76908	14873	14873	1	Si
374	0.128	11.4	0	-3083	SLD 13	-3083	-10922	-76908	-14873	-14873	1	Si
405	0.086	11.4	0	2716	SLD 3	2716	10922	76908	10004	10922	1	Si
405	0.086	11.4	0	-3585	SLD 13	-3585	-10922	-76908	-10004	-10922	1	Si
436	0.086	11.4	0	2214	SLD 3	2214	10922	76908	10004	10922	1	Si
436	0.086	11.4	0	-4087	SLD 13	-4087	-10922	-76908	-10004	-10922	1	Si
445	0.086	11.4	0	2075	SLD 3	2075	10922	76908	10004	10922	1	Si
445	0.086	11.4	0	-4227	SLD 13	-4227	-10922	-76908	-10004	-10922	1	Si
467	0	11.4	0	1712	SLD 3	1712	10922	76908	0	10922	1	Si
467	0	11.4	0	-4589	SLD 13	-4589	-10922	-76908	0	-10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-724054	3	-618468	16.1	124.5	469.3	1837	-668127	2	-571731	14.9	93.4	0	+∞	Si
23	-520684	3	-520684	13.5	124.5	395.1	1837	-482339	2	-482339	12.5	93.4	0	+∞	Si
31	-445619	3	-520684	13.5	124.5	395.1	1837	-413712	2	-482339	12.5	93.4	0	+∞	Si
62	-206517	9	-428602	11.1	124.5	325.2	1837	-189782	2	-398135	10.4	93.4	0	+∞	Si
93	12707	2	177322	4.8	124.5	197.7	1837	3664	2	156176	4.2	93.4	0	+∞	Si
93	-22612	8	-192554	5	124.5	146.1	1837	-9901	1	-176256	4.6	93.4	0	+∞	Si
125	188583	2	321524	9	124.5	364.1	1837	166626	2	290708	8.1	93.4	0	+∞	Si
140	263786	2	381006	11.3	124.5	463.7	1837	236677	2	346644	10.3	93.4	0	+∞	Si
171	388858	2	483915	17.6	124.5	720.5	1837	354034	2	443863	16.1	93.4	0	+∞	Si
203	490466	2	569708	20.7	124.5	848.2	1837	450060	2	525287	19.1	93.4	0	+∞	Si
234	575117	2	638875	23.2	124.5	951.2	1837	530430	2	591055	21.5	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
265	643190	3	691435	25.1	124.5	1029.5	1837	595146	2	641171	23.3	93.4	0	+∞	Si
296	694609	3	727044	26.4	124.5	1082.5	1837	644208	2	675635	24.5	93.4	0	+∞	Si
327	729077	3	745701	27.1	124.5	1110.3	1837	677619	2	694447	25.2	93.4	0	+∞	Si
358	746595	3	748998	27.2	124.5	1115.2	1837	695379	2	698390	25.4	93.4	0	+∞	Si
374	748998	3	748998	26.6	124.5	1113.7	1837	698390	2	698390	24.8	93.4	0	+∞	Si
405	741092	3	748751	26.1	124.5	1112.1	1837	692676	2	698269	24.3	93.4	0	+∞	Si
436	716240	3	739705	25.5	124.5	1098	1837	671314	2	691502	23.8	93.4	0	+∞	Si
445	705795	3	733973	25.3	124.5	1089.5	1837	662111	2	686650	23.7	93.4	0	+∞	Si
467	674442	3	674442	23.2	124.5	1001.1	1837	634306	2	634306	21.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.006	2	0.006	2	9999	Si
31	0.004	0.003	0.004	0.003	0.004	0.003	0.004	0.003	0.004	0.003	0.009	2	0.008	2	9999	Si
62	0.01	0.008	0.009	0.007	0.01	0.008	0.008	0.007	0.009	0.008	0.021	2	0.018	2	9999	Si
93	0.016	0.013	0.014	0.011	0.015	0.013	0.013	0.011	0.015	0.013	0.033	2	0.029	2	9999	Si
125	0.023	0.018	0.019	0.015	0.021	0.018	0.018	0.015	0.021	0.018	0.045	2	0.039	2	9999	Si
140	0.025	0.02	0.022	0.017	0.024	0.02	0.021	0.017	0.023	0.02	0.051	2	0.045	2	9094	Si
171	0.03	0.024	0.026	0.021	0.029	0.024	0.025	0.021	0.028	0.024	0.062	2	0.054	2	7517	Si
203	0.034	0.027	0.03	0.024	0.032	0.028	0.028	0.024	0.032	0.028	0.071	2	0.062	2	6597	Si
234	0.037	0.03	0.032	0.026	0.035	0.03	0.031	0.026	0.034	0.03	0.077	2	0.067	2	6088	Si
265	0.038	0.031	0.034	0.027	0.036	0.031	0.032	0.027	0.035	0.031	0.079	2	0.07	2	5884	Si
296	0.038	0.03	0.033	0.027	0.035	0.031	0.031	0.027	0.035	0.031	0.078	2	0.069	2	5957	Si
327	0.035	0.029	0.031	0.025	0.033	0.029	0.029	0.025	0.033	0.029	0.074	2	0.065	2	6355	Si
358	0.031	0.025	0.027	0.022	0.029	0.025	0.026	0.022	0.028	0.025	0.064	2	0.057	2	7249	Si
374	0.028	0.023	0.025	0.02	0.026	0.023	0.023	0.02	0.026	0.023	0.058	2	0.052	2	8010	Si
405	0.02	0.017	0.018	0.015	0.019	0.017	0.017	0.015	0.019	0.017	0.043	2	0.038	2	9999	Si
436	0.011	0.009	0.01	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.023	2	0.021	2	9999	Si
445	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.007	0.007	0.017	2	0.015	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	7946	8972	18340	SLV 3	0.42	1023	1.16	-482339	-1963990	-2773116	SLV 3	0.42	1041	1.169	Si
31	7674	8972	18340	SLV 3	0.43	1095	1.193	-482339	-1963990	-2773116	SLV 3	0.42	1041	1.169	Si
62	6696	8972	18340	SLV 3	0.47	1381	1.312	-297936	1791418	1872416	SLV 13	0.44	1151	1.218	Si
93	5718	8972	14873	SLV 3	0.37	747	1.02	-176256	1665612	1872416	SLV 13	0.44	1198	1.238	Si
125	4740	8972	14873	SLV 3	0.41	957	1.129	15139	1443868	1846679	SLV 13	0.46	1300	1.28	Si
140	4251	8972	14873	SLV 3	0.43	1083	1.188	99406	1333014	1722467	SLV 13	0.44	1166	1.224	Si
171	3332	8972	14873	SLV 3	0.46	1349	1.3	245077	1111358	1422093	SLV 13	0.38	818	1.059	Si
203	2830	8972	14873	SLV 3	0.48	1510	1.361	360757	889811	1422093	SLV 13	0.43	1105	1.197	Si
234	2328	8972	14873	SLV 3	0.5	1685	1.424	455730	668471	1422093	SLV 13	0.52	1842	1.477	Si
265	1825	8972	14873	SLV 3	0.52	1872	1.486	535047	447636	1422093	SLV 13	0.57	2474	1.666	Si
296	1323	8972	14873	SLV 3	0.54	2071	1.549	675635	269833	1422093	SLV 1	0.57	2474	1.666	Si
327	821	8972	14873	SLV 3	0.56	2282	1.612	694447	459659	1422093	SLV 1	0.56	2348	1.631	Si
358	319	8972	14873	SLV 3	0.57	2474	1.666	697610	656681	1422093	SLV 1	0.4	904	1.103	Si
374	68	8972	14873	SLV 3	0.57	2474	1.666	693323	760267	1422093	SLV 1	0.35	642	0.958	No
405	-434	-8972	-10004	SLV 13	0.39	833	1.066	673014	969217	1422094	SLV 3	0.28	390	0.781	No
436	-936	-8972	-10133	SLV 13	0.37	756	1.025	662111	1051214	1422094	SLV 3	0.27	337	0.736	No
445	-1076	-8972	-10133	SLV 13	0.37	728	1.009	662111	1051214	1422094	SLV 3	0.27	337	0.736	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	7946	3151	18340	SLD 3	0.44	1181	3.096	-482339	-869088	-2773116	SLD 3	0.36	671	2.456	Si
31	7674	3151	18340	SLD 3	0.45	1264	3.184	-482339	-869088	-2773116	SLD 3	0.36	671	2.456	Si
62	6696	3151	18340	SLD 3	0.49	1596	3.503	-398135	835194	1872416	SLD 13	0.37	723	2.532	Si
93	5718	3151	14873	SLD 3	0.39	851	2.707	-176256	737057	1872416	SLD 13	0.37	763	2.589	Si
125	4740	3151	14873	SLD 3	0.43	1104	3.012	15139	638935	1846679	SLD 13	0.39	823	2.67	Si
140	4251	3151	14873	SLD 3	0.45	1250	3.169	99406	589882	1722467	SLD 13	0.37	745	2.563	Si
171	3332	3151	14873	SLD 3	0.49	1558	3.469	245077	491799	1422093	SLD 13	0.32	531	2.231	Si
203	2830	3151	14873	SLD 3	0.51	1747	3.636	404004	351361	1422093	SLD 13	0.39	844	2.698	Si
234	2328	3151	14873	SLD 3	0.53	1948	3.802	455730	295815	1422093	SLD 13	0.44	1151	3.064	Si
265	1825	3151	14873	SLD 3	0.55	2164	3.969	535047	198084	1422093	SLD 13	0.59	2474	4.193	Si
296	1323	3151	14873	SLD 3	0.57	2394	4.137	675635	119318	1422093	SLD 1	0.6	2474	4.193	Si
327	821	3151	14873	SLD 3	0.59	2474	4.193	694447	203336	1422093	SLD 1	0.48	1465	3.382	Si
358	319	3151	14873	SLD 3	0.6	2474	4.193	697610	290509	1422093	SLD 1	0.34	586	2.323	Si
374	68	3151	14873	SLD 3	0.6	2474	4.193	693323	336340	1422093	SLD 1	0.3	424	2.034	Si
405	-434	-3151	-10922	SLD 13	0.44	1209	3.126	673014	428811	1422094	SLD 3	0.24	265	1.678	Si
436	-936	-3151	-10922	SLD 13	0.42	1060	2.962	662111	465085	1422094	SLD 3	0.23	229	1.58	Si
445	-1076	-3151	-10922	SLD 13	0.42	1021	2.917	662111	465085	1422094	SLD 3	0.23	229	1.58	Si

Campata 2 tra i fili 32 - 33, sezione R 45x70, asta 1019

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	289979	SLU 30	289979	1422094	0.084						Si
20	11.4	5.4	11.4	5.4	305482	SLU 30	305482	1422094	0.084						Si
23	11.4	5.4	11.4	5.4	307160	SLU 30	321831	1422094	0.084						Si
40	11.4	5.4	11.4	5.4	316958	SLU 30	326470	1422094	0.084						Si
59	10.71	5.4	11.4	5.4	324407	SLU 30	328017	1422094	0.084						Si
79	9.78	5.4	11.4	5.4	327829	SLU 30	328030	1422093	0.084						Si
89	9.31	5.4	11.4	5.4	328030	SLU 30	328030	1422093	0.084						Si
99	7.6	5.4	11.4	5.4	327225	SLU 30	328030	1422093	0.084						Si
109	7.6	5.4	11.4	5.4	325412	SLU 30	328030	1422093	0.084						Si
129	7.6	5.4	11.4	5.4	318766	SLU 30	327100	1422093	0.084						Si
149	7.6	5.4	11.4	5.4	311243	SLU 36	322330	1422093	0.084						Si
169	7.6	5.4	11.4	5.4	302769	SLU 36	313782	1422093	0.084						Si
188	7.6	5.4	11.4	5.4	294520	SLU 35	307184	1422093	0.084						Si
208	7.6	5.4	11.4	5.4	285942	SLU 35	297108	1422093	0.084						Si
228	10.78	5.4	11.4	5.4	273337	SLU 35	290406	1422094	0.084						Si
238	11.72	5.4	11.4	5.4	265524	SLU 35	285544	1422094	0.084						Si
258	13.59	5.4	11.4	5.4	246878	SLU 35	272801	1422094	0.084						Si
275	15.21	5.4	11.4	5.4	227389	SLU 35	258471	1422107	0.084						Si
278	15.21	5.4	11.4	5.4	224205	SLU 35	224205	1422107	0.084						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
297	15.21	5.4	11.4	5.4	197505	SLU 35	197505	1422107	0.084						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	1860949	SLV 13	1743293	1422094	0.084	-1504770	SLV 3	-1367074	-1422094	0.084	No
20	11.4	5.4	11.4	5.4	1651333	SLV 13	1649730	1422094	0.084	-1262653	SLV 3	-1260918	-1422094	0.084	No
23	11.4	5.4	11.4	5.4	1622879	SLV 13	1622879	1422094	0.084	-1230453	SLV 3	-1230453	-1422094	0.084	No
40	11.4	5.4	11.4	5.4	1439097	SLV 13	1622879	1422094	0.084	-1024111	SLV 3	-1230453	-1422094	0.084	No
59	10.71	5.4	11.4	5.4	1224871	SLV 13	1538220	1422094	0.084	-789775	SLV 3	-1134764	-1339795	0.082	No
79	9.78	5.4	11.4	5.4	1010507	SLV 15	1324805	1422093	0.084	-561496	SLV 1	-898353	-1228830	0.081	Si
89	9.31	5.4	11.4	5.4	904427	SLV 15	1217508	1422093	0.084	-450782	SLV 1	-781882	-1173344	0.08	Si
109	7.6	5.4	11.4	5.4	695492	SLV 15	1003233	1422093	0.084	-237226	SLV 1	-553904	-970824	0.078	Si
129	7.6	5.4	11.4	5.4	488094	SLV 15	792387	1422093	0.084	-31402	SLV 1	-335551	-970824	0.078	Si
149	7.6	5.4	11.4	5.4	359191	SLV 11	584702	1422093	0.084	89732	SLV 5	-140983	-970824	0.078	Si
169	7.6	5.4	11.4	5.4	466547	SLV 3	781714	1422093	0.084	-31589	SLV 13	-378469	-970824	0.078	Si
188	7.6	5.4	11.4	5.4	682212	SLV 3	993282	1422093	0.084	-267414	SLV 13	-619278	-970824	0.078	Si
208	7.6	5.4	11.4	5.4	895143	SLV 3	1201864	1422093	0.084	-506700	SLV 13	-863296	-970824	0.078	Si
228	10.78	5.4	11.4	5.4	1105124	SLV 3	1407416	1422094	0.084	-749232	SLV 13	-1110480	-1348354	0.083	Si
238	11.72	5.4	11.4	5.4	1208986	SLV 3	1509048	1422094	0.084	-871693	SLV 13	-1235251	-1459291	0.084	No
258	13.59	5.4	11.4	5.4	1414433	SLV 3	1589717	1422094	0.084	-1118985	SLV 13	-1335641	-1681135	0.087	No
275	15.21	5.4	11.4	5.4	1589717	SLV 3	1589717	1422107	0.084	-1335641	SLV 13	-1335641	-1873055	0.09	No
278	15.21	5.4	11.4	5.4	1616827	SLV 3	1615194	1422107	0.084	-1369418	SLV 13	-1367481	-1873055	0.09	No
297	15.21	5.4	11.4	5.4	1816154	SLV 3	1703968	1422107	0.084	-1622980	SLV 13	-1478425	-1873055	0.09	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	922816	SLD 13	876334	1422094	0.084	-566637	SLD 3	-500115	-1422094	0.084	Si
20	11.4	5.4	11.4	5.4	839112	SLD 13	838439	1422094	0.084	-450432	SLD 3	-449627	-1422094	0.084	Si
23	11.4	5.4	11.4	5.4	827563	SLD 13	827563	1422094	0.084	-435138	SLD 3	-435138	-1422094	0.084	Si
40	11.4	5.4	11.4	5.4	752521	SLD 13	827563	1422094	0.084	-337535	SLD 3	-435138	-1422094	0.084	Si
59	10.71	5.4	11.4	5.4	663321	SLD 13	793173	1422094	0.084	-228225	SLD 3	-389717	-1339795	0.082	Si
79	9.78	5.4	11.4	5.4	572334	SLD 15	705137	1422093	0.084	-123323	SLD 1	-278686	-1228830	0.081	Si
89	9.31	5.4	11.4	5.4	526681	SLD 15	660211	1422093	0.084	-73036	SLD 1	-224585	-1173344	0.08	Si
109	7.6	5.4	11.4	5.4	435509	SLD 15	569203	1422093	0.084	22757	SLD 1	-119875	-970824	0.078	Si
129	7.6	5.4	11.4	5.4	343289	SLD 15	477989	1422093	0.084	113403	SLD 1	-21154	-970824	0.078	Si
149	7.6	5.4	11.4	5.4	284062	SLD 11	386448	1422093	0.084						Si
169	7.6	5.4	11.4	5.4	327689	SLD 3	458327	1422093	0.084	107269	SLD 13	-55081	-970824	0.078	Si
188	7.6	5.4	11.4	5.4	417513	SLD 3	543804	1422093	0.084	-2715	SLD 13	-169799	-970824	0.078	Si
208	7.6	5.4	11.4	5.4	504397	SLD 3	626232	1422093	0.084	-115955	SLD 13	-287664	-970824	0.078	Si
228	10.78	5.4	11.4	5.4	588249	SLD 3	705592	1422094	0.084	-232358	SLD 13	-408656	-1348354	0.083	Si
238	11.72	5.4	11.4	5.4	629028	SLD 3	744119	1422094	0.084	-291736	SLD 13	-470322	-1459291	0.084	Si
258	13.59	5.4	11.4	5.4	708283	SLD 3	774321	1422094	0.084	-412835	SLD 13	-520245	-1681135	0.087	Si
275	15.21	5.4	11.4	5.4	774321	SLD 3	774321	1422107	0.084	-520245	SLD 13	-520245	-1873055	0.09	Si
278	15.21	5.4	11.4	5.4	784460	SLD 3	783822	1422107	0.084	-537051	SLD 13	-536109	-1873055	0.09	Si
297	15.21	5.4	11.4	5.4	857552	SLD 3	816928	1422107	0.084	-664378	SLD 13	-591386	-1873055	0.09	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	1671	SLU 26	1671	10922	76908	0	10922	1	Si
20	0	11.4	0	1467	SLU 26	1467	10922	76908	0	10922	1	Si
23	0.144	11.4	0	1439	SLU 26	1439	10922	76908	16672	16672	1	Si
40	0.144	11.4	0	1264	SLU 26	1264	10922	76908	16672	16672	1	Si
59	0.144	11.4	0	1061	SLU 26	1061	10922	76908	16672	16672	1	Si
79	0.144	11.4	0	858	SLU 26	858	10922	76908	16672	16672	1	Si
79	0.144	11.4	0	-122	SLU 11	-122	-10922	-76908	-16672	-16672	1	Si
89	0.144	11.4	0	756	SLU 26	756	10922	76908	16672	16672	1	Si
89	0.144	11.4	0	-200	SLU 11	-200	-10922	-76908	-16672	-16672	1	Si
109	0.134	11.4	0	553	SLU 26	553	10922	76908	15561	15561	1	Si
109	0.134	11.4	0	-356	SLU 11	-356	-10922	-76908	-15561	-15561	1	Si
129	0.134	11.4	0	350	SLU 26	350	10922	76908	15561	15561	1	Si
129	0.134	11.4	0	-513	SLU 11	-513	-10922	-76908	-15561	-15561	1	Si
149	0.134	11.4	0	147	SLU 26	147	10922	76908	15561	15561	1	Si
149	0.134	11.4	0	-669	SLU 11	-669	-10922	-76908	-15561	-15561	1	Si
169	0.134	11.4	0	-855	SLU 29	-855	-10922	-76908	-15561	-15561	1	Si
188	0.134	11.4	0	-1058	SLU 29	-1058	-10922	-76908	-15561	-15561	1	Si
208	0.144	11.4	0	-1261	SLU 29	-1261	-10922	-76908	-16673	-16673	1	Si
228	0.144	11.4	0	-1464	SLU 29	-1464	-10922	-76908	-16673	-16673	1	Si
238	0.144	11.4	0	-1565	SLU 29	-1565	-10922	-76908	-16673	-16673	1	Si
258	0.144	11.4	0	-1768	SLU 29	-1768	-10922	-76908	-16673	-16673	1	Si
275	0.144	11.4	0	-1944	SLU 29	-1944	-10922	-76908	-16673	-16673	1	Si
278	0	11.4	0	-1971	SLU 29	-1971	-10922	-76908	0	-10922	1	Si
297	0	11.4	0	-2174	SLU 29	-2174	-10922	-76908	0	-10922	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.24	0	12322	SLV 3	15292	10538	76908	0	10538	1	Si
0	0	11.4	0	-10525	SLV 13	-13496	-10922	-76908	0	-10922	1	Si
20	0	9.31	0	12165	SLV 3	15135	10207	76908	0	10207	1	Si
20	0	11.4	0	-10683	SLV 13	-13653	-10922	-76908	0	-10922	1	Si
23	0.144	9.31	0	12144	SLV 3	15114	10207	76908	16672	16672	1	Si
23	0.144	11.4	0	-10704	SLV 13	-13674	-10922	-76908	-16672	-16672	1	Si
40	0.144	7.6	0	12009	SLV 3	14979	9541	76908	16672	16672	1	Si
40	0.144	11.4	0	-10839	SLV 13	-13809	-10922	-76908	-16672	-16672	1	Si
59	0.144	7.6	0	11853	SLV 3	14823	9541	76908	16672	16672	1	Si
59	0.144	11.4	0	-10995	SLV 13	-13965	-10922	-76908	-16672	-16672	1	Si
79	0.144	7.6	0	11696	SLV 3	14667	9541	76908	16672	16672	1	Si
79	0.144	11.4	0	-11151	SLV 13	-14121	-10922	-76908	-16672	-16672	1	Si
89	0.144	7.6	0	11618	SLV 3	14589	9541	76908	16672	16672	1	Si
89	0.144	11.4	0	-11229	SLV 13	-14199	-10922	-76908	-16672	-16672	1	Si
109	0.134	7.6	0	11462	SLV 3	14432	9541	76908	15561	15561	1	Si
109	0.134	11.4	0	-11385	SLV 13	-14356	-10922	-76908	-15561	-15561	1	Si
129	0.134	11.4	0	11306	SLV 3	14276	10922	76908	15561	15561	1	Si
129	0.134	11.4	0	-11542	SLV 13	-14512	-10922	-76908	-15561	-15561	1	Si
149	0.134	11.4	0	11150	SLV 3	14120	10922	76908	15561	15561	1	Si
149	0.134	11.4	0	-11698	SLV 13	-14668	-10922	-76908	-15561	-15561	1	Si
169	0.134	11.4	0	10994	SLV 3	13964	10922	76908	15561	15561	1	Si
169	0.134	7.6	0	-11854	SLV 13	-14824	-9541	-76908	-15561	-15561	1	Si
188	0.134	11.4	0	10837	SLV 3	13808	10922	76908	15561	15561	1	Si
188	0.134	7.6	0	-12010	SLV 13	-14980	-9541	-76908	-15561	-15561	1	Si
208	0.144	11.4	0	10681	SLV 3	13651	10922	76908	16673	16673	1	Si
208	0.144	7.6	0	-12166	SLV 13	-15136	-9541	-76908	-16673	-16673	1	Si
228	0.144	11.4	0	10525	SLV 3	13495	10922	76908	16673	16673	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
228	0.144	7.6	0	-12322	SLV 13	-15293	-9541	-76908	-16673	-16673	1	Si
238	0.144	11.4	0	10447	SLV 3	13417	10922	76908	16673	16673	1	Si
238	0.144	7.6	0	-12401	SLV 13	-15371	-9541	-76908	-16673	-16673	1	Si
258	0.144	11.4	0	10291	SLV 3	13261	10922	76908	16673	16673	1	Si
258	0.144	7.6	0	-12557	SLV 13	-15527	-9541	-76908	-16673	-16673	1	Si
275	0.144	11.4	0	10156	SLV 3	13126	10922	76908	16673	16673	1	Si
275	0.144	7.6	0	-12692	SLV 13	-15662	-9541	-76908	-16673	-16673	1	Si
278	0	11.4	0	10135	SLV 3	13105	10922	76908	0	10922	1	Si
278	0	7.6	0	-12713	SLV 13	-15683	-9541	-76908	0	-9541	1	Si
288	0	11.4	0	10057	SLV 3	13027	10922	76908	0	10922	1	Si
288	0	7.6	0	-12791	SLV 13	-15761	-9541	-76908	0	-9541	1	Si
297	0	11.4	0	9978	SLV 3	12949	10922	76908	0	10922	1	Si
297	0	10.78	0	-12869	SLV 13	-15839	-10720	-76908	0	-10720	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.24	0	5954	SLD 3	5954	10538	76908	0	10538	1	Si
0	0	11.4	0	-4157	SLD 13	-4157	-10922	-76908	0	-10922	1	Si
20	0	9.31	0	5797	SLD 3	5797	10207	76908	0	10207	1	Si
20	0	11.4	0	-4314	SLD 13	-4314	-10922	-76908	0	-10922	1	Si
23	0.144	9.31	0	5776	SLD 3	5776	10207	76908	16672	16672	1	Si
23	0.144	11.4	0	-4335	SLD 13	-4335	-10922	-76908	-16672	-16672	1	Si
40	0.144	7.6	0	5641	SLD 3	5641	9541	76908	16672	16672	1	Si
40	0.144	11.4	0	-4470	SLD 13	-4470	-10922	-76908	-16672	-16672	1	Si
59	0.144	7.6	0	5484	SLD 3	5484	9541	76908	16672	16672	1	Si
59	0.144	11.4	0	-4627	SLD 13	-4627	-10922	-76908	-16672	-16672	1	Si
79	0.144	7.6	0	5328	SLD 3	5328	9541	76908	16672	16672	1	Si
79	0.144	11.4	0	-4783	SLD 13	-4783	-10922	-76908	-16672	-16672	1	Si
89	0.144	7.6	0	5250	SLD 3	5250	9541	76908	16672	16672	1	Si
89	0.144	11.4	0	-4861	SLD 13	-4861	-10922	-76908	-16672	-16672	1	Si
109	0.134	11.4	0	5094	SLD 3	5094	10922	76908	15561	15561	1	Si
109	0.134	11.4	0	-5017	SLD 13	-5017	-10922	-76908	-15561	-15561	1	Si
129	0.134	11.4	0	4938	SLD 3	4938	10922	76908	15561	15561	1	Si
129	0.134	11.4	0	-5173	SLD 13	-5173	-10922	-76908	-15561	-15561	1	Si
149	0.134	11.4	0	4781	SLD 3	4781	10922	76908	15561	15561	1	Si
149	0.134	11.4	0	-5329	SLD 13	-5329	-10922	-76908	-15561	-15561	1	Si
169	0.134	11.4	0	4625	SLD 3	4625	10922	76908	15561	15561	1	Si
169	0.134	11.4	0	-5486	SLD 13	-5486	-10922	-76908	-15561	-15561	1	Si
188	0.134	11.4	0	4469	SLD 3	4469	10922	76908	15561	15561	1	Si
188	0.134	7.6	0	-5642	SLD 13	-5642	-9541	-76908	-15561	-15561	1	Si
208	0.144	11.4	0	4313	SLD 3	4313	10922	76908	16673	16673	1	Si
208	0.144	7.6	0	-5798	SLD 13	-5798	-9541	-76908	-16673	-16673	1	Si
228	0.144	11.4	0	4157	SLD 3	4157	10922	76908	16673	16673	1	Si
228	0.144	7.6	0	-5954	SLD 13	-5954	-9541	-76908	-16673	-16673	1	Si
238	0.144	11.4	0	4079	SLD 3	4079	10922	76908	16673	16673	1	Si
238	0.144	7.6	0	-6032	SLD 13	-6032	-9541	-76908	-16673	-16673	1	Si
258	0.144	11.4	0	3922	SLD 3	3922	10922	76908	16673	16673	1	Si
258	0.144	7.6	0	-6188	SLD 13	-6188	-9541	-76908	-16673	-16673	1	Si
275	0.144	11.4	0	3787	SLD 3	3787	10922	76908	16673	16673	1	Si
275	0.144	7.6	0	-6324	SLD 13	-6324	-9541	-76908	-16673	-16673	1	Si
278	0	11.4	0	3766	SLD 3	3766	10922	76908	0	10922	1	Si
278	0	7.6	0	-6345	SLD 13	-6345	-9541	-76908	0	-9541	1	Si
288	0	11.4	0	3688	SLD 3	3688	10922	76908	0	10922	1	Si
288	0	7.6	0	-6423	SLD 13	-6423	-9541	-76908	0	-9541	1	Si
297	0	11.4	0	3610	SLD 3	3610	10922	76908	0	10922	1	Si
297	0	10.78	0	-6501	SLD 13	-6501	-10720	-76908	0	-10720	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	205810	3	205810	7.1	124.5	305.5	1837	178089	2	178089	6.1	93.4	0	+∞	Si
20	219190	3	219190	7.6	124.5	325.4	1837	194340	2	194340	6.7	93.4	0	+∞	Si
23	220676	3	234092	8.1	124.5	347.5	1837	196213	2	213837	7.4	93.4	0	+∞	Si
40	229471	3	238918	8.2	124.5	354.6	1837	207493	2	221149	7.6	93.4	0	+∞	Si
59	236654	3	241561	8.4	124.5	358.7	1837	217548	2	226663	7.9	93.4	0	+∞	Si
79	240740	3	241728	8.5	124.5	359.2	1837	224505	2	229080	8.1	93.4	0	+∞	Si
89	241622	3	241728	8.6	124.5	359.4	1837	226822	2	229133	8.1	93.4	0	+∞	Si
109	241061	3	241728	8.8	124.5	359.9	1837	229133	2	229133	8.3	93.4	0	+∞	Si
129	237402	3	241683	8.8	124.5	359.8	1837	228346	2	229133	8.3	93.4	0	+∞	Si
149	232745	9	239467	8.7	124.5	356.5	1837	224462	2	229073	8.3	93.4	0	+∞	Si
169	227042	9	234320	8.5	124.5	348.9	1837	217479	2	226631	8.2	93.4	0	+∞	Si
188	221075	8	230059	8.4	124.5	342.5	1837	209829	1	221092	8	93.4	0	+∞	Si
208	214476	8	223067	8.1	124.5	332.1	1837	201193	1	212768	7.7	93.4	0	+∞	Si
228	204780	8	217910	7.6	124.5	323.6	1837	189461	1	205576	7.1	93.4	0	+∞	Si
238	198770	8	214170	7.4	124.5	317.8	1837	182433	1	200818	6.9	93.4	0	+∞	Si
258	184426	8	204368	6.8	124.5	302.9	1837	166053	1	188979	6.3	93.4	0	+∞	Si
275	169434	8	193344	6.3	124.5	286.3	1837	149299	1	176193	5.8	93.4	0	+∞	Si
278	166985	8	166985	5.5	124.5	247.3	1837	146576	1	146576	4.8	93.4	0	+∞	Si
297	146447	8	146447	4.8	124.5	216.9	1837	124001	1	124001	4.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.004	2	0.003	2	9999	Si
23	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
40	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
59	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si
79	0.005	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
89	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.012	2	0.012	2	9999	Si
109	0.006	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
129	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.014	2	9999	Si
149	0.007	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.015	2	0.014	2	9999	Si
169	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.014	2	9999	Si
188	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.013	2	9999	Si
208	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.012	2	0.012	2	9999	Si
228	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.01	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
238	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	1	0.009	1	9999	Si
258	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
275	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
278	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	720	14394	16672	SLV 3	0.4	914	1.108	196213	1426666	1422094	SLV 13	0.31	493	0.86	No
40	585	14394	16672	SLV 3	0.4	933	1.117	196213	1426666	1422094	SLV 13	0.31	493	0.86	No
59	429	14394	16672	SLV 3	0.41	955	1.128	201728	1336492	1422094	SLV 13	0.33	571	0.913	No
79	273	14394	16672	SLV 3	0.41	978	1.139	213226	1111579	1422093	SLV 13	0.39	873	1.087	Si
89	195	14394	16672	SLV 3	0.41	991	1.145	217813	999695	1422093	SLV 13	0.43	1134	1.21	Si
109	38	14394	15561	SLV 3	0.39	855	1.078	224664	-778569	-970824	SLV 1	0.55	2164	1.577	Si
129	-118	-14394	-15561	SLV 13	0.39	845	1.073	228418	563969	1422093	SLV 15	0.57	2474	1.666	Si
149	-274	-14394	-15561	SLV 13	0.39	824	1.062	213145	-354129	-970824	SLV 13	0.57	2474	1.666	Si
169	-430	-14394	-15561	SLV 13	0.38	804	1.051	201623	-580091	-970824	SLV 13	0.57	2474	1.666	Si
188	-586	-14394	-15561	SLV 13	0.38	784	1.04	187002	-806280	-970824	SLV 13	0.51	1809	1.466	Si
208	-743	-14394	-16673	SLV 13	0.4	911	1.106	169284	-1032580	-970824	SLV 13	0.4	906	1.104	Si
228	-899	-14394	-16673	SLV 13	0.4	889	1.095	148468	1258948	1422094	SLV 3	0.37	732	1.011	Si
238	-977	-14394	-16673	SLV 13	0.4	879	1.09	136899	1372149	1422094	SLV 3	0.34	607	0.937	No
258	-1133	-14394	-16673	SLV 13	0.39	858	1.079	127038	1462679	1422094	SLV 3	0.32	530	0.886	No
275	-1268	-14394	-16673	SLV 13	0.39	839	1.07	127038	1462679	1422107	SLV 3	0.32	530	0.886	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	720	5055	16672	SLD 3	0.42	1048	2.948	196213	631351	1422094	SLD 13	0.27	334	1.845	Si
40	585	5055	16672	SLD 3	0.43	1072	2.976	196213	631351	1422094	SLD 13	0.27	334	1.845	Si
59	429	5055	16672	SLD 3	0.43	1101	3.009	201728	591445	1422094	SLD 13	0.28	381	1.947	Si
79	273	5055	16672	SLD 3	0.43	1129	3.04	213226	491911	1422093	SLD 13	0.33	566	2.29	Si
89	195	5055	16672	SLD 3	0.44	1144	3.056	217813	442398	1422093	SLD 13	0.37	725	2.535	Si
109	38	5055	15561	SLD 3	0.41	973	2.86	224664	-344539	-970824	SLD 1	0.46	1349	3.27	Si
129	-118	-5055	-15561	SLD 13	0.41	962	2.847	228418	249571	1422093	SLD 15	0.6	2474	4.193	Si
149	-274	-5055	-15561	SLD 13	0.41	938	2.817	213145	-156706	-970824	SLD 13	0.6	2474	4.193	Si
169	-430	-5055	-15561	SLD 13	0.4	915	2.789	201623	-256704	-970824	SLD 13	0.6	2474	4.193	Si
188	-586	-5055	-15561	SLD 13	0.4	892	2.76	187002	-356802	-970824	SLD 13	0.43	1130	3.041	Si
208	-743	-5055	-16673	SLD 13	0.42	1044	2.944	169284	-456948	-970824	SLD 13	0.34	587	2.325	Si
228	-899	-5055	-16673	SLD 13	0.42	1017	2.912	148468	557124	1422094	SLD 3	0.31	477	2.135	Si
238	-977	-5055	-16673	SLD 13	0.42	1003	2.896	136899	607220	1422094	SLD 3	0.29	403	1.993	Si
258	-1133	-5055	-16673	SLD 13	0.41	977	2.865	127038	647283	1422094	SLD 3	0.27	357	1.896	Si
275	-1268	-5055	-16673	SLD 13	0.41	956	2.839	127038	647283	1422107	SLD 3	0.27	357	1.896	Si

Campata 3 tra i fili 33 - ?, sezione R 45x70, asta 1018

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	193623	SLU 35	193623	1422107	0.084						Si
23	15.21	5.4	11.4	5.4	248893	SLU 35	313553	1422107	0.084						Si
56	12.02	5.4	10.27	5.4	323881	SLU 35	378264	1287564	0.082						Si
113	7.6	5.4	7.6	5.4	421650	SLU 35	459268	970067	0.076						Si
169	7.6	5.4	7.6	5.4	486931	SLU 35	507784	970067	0.076						Si
225	7.6	5.4	7.6	5.4	519724	SLU 35	523937	970067	0.076						Si
254	7.6	5.4	7.6	5.4	523937	SLU 35	523937	970067	0.076						Si
310	7.6	5.4	7.6	5.4	507997	SLU 35	520153	970067	0.076						Si
366	7.6	5.4	7.6	5.4	459979	SLU 26	488504	970067	0.076						Si
423	7.6	5.4	7.6	5.4	379832	SLU 26	425122	970067	0.076						Si
479	7.6	5.4	7.6	5.4	267196	SLU 26	329251	970067	0.076						Si
535	7.6	5.4	7.6	5.4	122072	SLU 26	200892	970067	0.076						Si
592	7.6	5.4	7.6	5.4	-43012	SLU 1	40110	970067	0.076	-68364	SLU 30	-172003	-970067	0.076	Si
648	7.6	5.4	7.6	5.4						-276819	SLU 30	-397257	-970067	0.076	Si
676	7.6	5.4	7.6	5.4						-393238	SLU 36	-522834	-970067	0.076	Si
732	15.21	5.4	7.6	5.4						-651994	SLU 36	-798354	-1873488	0.092	Si
789	19.62	5.4	7.6	5.4						-943237	SLU 36	-1106363	-2396229	0.104	Si
823	22.81	5.4	7.6	5.4						-1134424	SLU 36	-1134424	-2772675	0.114	Si
845	22.81	5.4	7.6	5.4						-1266969	SLU 36	-1199727	-2772675	0.114	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	1408218	SLV 15	1392715	1422107	0.084	-1152871	SLV 1	-1092651	-1873055	0.09	Si
23	15.21	5.4	11.4	5.4	1375711	SLV 15	1375711	1422107	0.084	-1033912	SLV 1	-1033912	-1873055	0.09	Si
56	12.02	5.4	10.27	5.4	1320583	SLV 15	1368829	1287564	0.082	-861283	SLV 1	-1008728	-1494766	0.085	No
113	7.6	5.4	7.6	5.4	1207966	SLV 15	1269102	970067	0.076	-594697	SLV 1	-729240	-970067	0.076	No
169	7.6	5.4	7.6	5.4	1070376	SLV 15	1144398	970067	0.076	-353119	SLV 1	-474755	-970067	0.076	No
225	7.6	5.4	7.6	5.4	907828	SLV 15	994726	970067	0.076	-136565	SLV 1	-245285	-970067	0.076	No
254	7.6	5.4	7.6	5.4	817207	SLV 15	910534	970067	0.076	-37685	SLV 1	-139937	-970067	0.076	Si
310	7.6	5.4	7.6	5.4	617359	SLV 15	723478	970067	0.076						Si
366	7.6	5.4	7.6	5.4	406369	SLV 11	511787	970067	0.076						Si
423	7.6	5.4	7.6	5.4	433024	SLV 3	484229	970067	0.076						Si
479	7.6	5.4	7.6	5.4	530538	SLV 1	574047	970067	0.076	-134776	SLV 15	-286227	-970067	0.076	Si
535	7.6	5.4	7.6	5.4	609170	SLV 1	640049	970067	0.076	-434303	SLV 15	-598917	-970067	0.076	Si
592	7.6	5.4	7.6	5.4	663184	SLV 1	681226	970067	0.076	-759195	SLV 15	-936763	-970067	0.076	Si
648	7.6	5.4	7.6	5.4	692299	SLV 1	697501	970067	0.076	-1109169	SLV 15	-1299656	-970067	0.076	No
676	7.6	5.4	7.6	5.4	697501	SLV 1	697501	970067	0.076	-1293542	SLV 15	-1490484	-970067	0.076	No
732	15.21	5.4	7.6	5.4	689177	SLV 1	696494	971252	0.079	-1681050	SLV 15	-1890896	-1873488	0.092	No
789	19.62	5.4	7.6	5.4	655875	SLV 1	676082	971554	0.08	-2093563	SLV 15	-2316310	-2396229	0.104	Si
823	22.81	5.4	7.6	5.4	623365	SLV 1	651475	971715	0.08	-2353833	SLV 15	-2353833	-2772675	0.114	Si
845	22.81	5.4	7.6	5.4	597591	SLV 1	597591	971715	0.08	-2531075	SLV 15	-2441713	-2772675	0.114	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	694332	SLD 15	694332	1422107	0.084	-438984	SLD 1	-399871	-1873055	0.09	Si
23	15.21	5.4	11.4	5.4	704044	SLD 15	711401	1422107	0.084	-362245	SLD 1	-362245	-1873055	0.09	Si
56	12.02	5.4	10.27	5.4	712401	SLD 15	712401	1287564	0.082	-253101	SLD 1	-345999	-1494766	0.085	Si
113	7.6	5.4	7.6	5.4	705482	SLD 15	712075	970067	0.076	-92213	SLD 1	-172213	-970067	0.076	Si
169	7.6	5.4	7.6	5.4	673581	SLD 15	693066	970067	0.076	43676	SLD 1	-23423	-970067	0.076	Si
225	7.6	5.4	7.6	5.4	616703	SLD 15	649075	970067	0.076						Si
254	7.6	5.4	7.6	5.4	578903	SLD 15	617715	970067	0.076						Si
310	7.6	5.4	7.6	5.4	484619	SLD 15	536282	970067	0.076						Si
366	7.6	5.4	7.6	5.4	371479	SLD 11	430012	970067	0.076						Si
423	7.6	5.4	7.6	5.4	349578	SLD 3	349578	970067	0.076						Si
479	7.6	5.4	7.6	5.4	345094	SLD 1	349483	970067	0.076	50668	SLD 15	-46441	-970067	0.076	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
535	7.6	5.4	7.6	5.4	318320	SLD 1	335120	970067	0.076	-143453	SLD 15	-253575	-970067	0.076	Si
592	7.6	5.4	7.6	5.4	266719	SLD 1	296363	970067	0.076	-362729	SLD 15	-485773	-970067	0.076	Si
648	7.6	5.4	7.6	5.4	190167	SLD 1	232691	970067	0.076	-607036	SLD 15	-742987	-970067	0.076	Si
676	7.6	5.4	7.6	5.4	142526	SLD 1	191495	970067	0.076	-738568	SLD 15	-880970	-970067	0.076	Si
732	15.21	5.4	7.6	5.4	28509	SLD 1	90369	971252	0.079	-1020383	SLD 15	-1175684	-1873488	0.092	Si
789	19.62	5.4	7.6	5.4						-1327195	SLD 15	-1495394	-2396229	0.104	Si
823	22.81	5.4	7.6	5.4						-1523979	SLD 15	-1523979	-2772675	0.114	Si
845	22.81	5.4	7.6	5.4						-1659001	SLD 15	-1590746	-2772675	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.27	0	2662	SLU 20	2662	10547	76908	0	10547	1	Si
23	0.068	7.6	0	2431	SLU 20	2431	9541	76908	7878	9541	1	Si
56	0.068	7.6	0	2085	SLU 20	2085	9541	76908	7878	9541	1	Si
113	0.068	7.6	0	1508	SLU 20	1508	9541	76908	7878	9541	1	Si
169	0.068	7.6	0	932	SLU 20	932	9541	76908	7878	9541	1	Si
225	0.068	7.6	0	355	SLU 20	355	9541	76908	7878	9541	1	Si
254	0.068	7.6	0	66	SLU 20	66	9541	76908	7878	9541	1	Si
254	0.068	7.6	0	-9	SLU 17	-9	-9541	-76908	-7878	-9541	1	Si
310	0.068	7.6	0	-571	SLU 35	-571	-9541	-76908	-7878	-9541	1	Si
366	0.068	7.6	0	-1148	SLU 35	-1148	-9541	-76908	-7878	-9541	1	Si
423	0.068	7.6	0	-1725	SLU 35	-1725	-9541	-76908	-7878	-9541	1	Si
479	0.068	7.6	0	-2301	SLU 35	-2301	-9541	-76908	-7878	-9541	1	Si
535	0.068	7.6	0	-2878	SLU 35	-2878	-9541	-76908	-7878	-9541	1	Si
592	0.068	7.6	0	-3455	SLU 35	-3455	-9541	-76908	-7878	-9541	1	Si
648	0.068	7.6	0	-4032	SLU 35	-4032	-9541	-76908	-7878	-9541	1	Si
676	0.068	7.6	0	-4320	SLU 35	-4320	-9541	-76908	-7878	-9541	1	Si
732	0.068	7.6	0	-4897	SLU 35	-4897	-9541	-76908	-7878	-9541	1	Si
789	0.068	15.21	0	-5473	SLU 35	-5473	-12021	-76908	-7878	-12021	1	Si
823	0.068	15.21	0	-5820	SLU 35	-5820	-12021	-76908	-7878	-12021	1	Si
845	0	19.62	0	-6050	SLU 35	-6050	-13087	-76908	0	-13087	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	12.02	0	5398	SLV 1	6274	11114	76908	0	11114	1	Si
0	0	10.27	0	-1334	SLV 15	-2210	-10547	-76908	0	-10547	1	Si
23	0.068	7.6	0	5221	SLV 1	6096	9541	76908	7878	9541	1	Si
23	0.068	7.6	0	-1511	SLV 15	-2387	-9541	-76908	-7878	-9541	1	Si
56	0.068	7.6	0	4955	SLV 1	5830	9541	76908	7878	9541	1	Si
56	0.068	7.6	0	-1778	SLV 15	-2653	-9541	-76908	-7878	-9541	1	Si
113	0.068	7.6	0	4511	SLV 1	5386	9541	76908	7878	9541	1	Si
113	0.068	7.6	0	-2222	SLV 15	-3097	-9541	-76908	-7878	-9541	1	Si
169	0.068	7.6	0	4067	SLV 1	4943	9541	76908	7878	9541	1	Si
169	0.068	7.6	0	-2665	SLV 15	-3540	-9541	-76908	-7878	-9541	1	Si
225	0.068	7.6	0	3624	SLV 1	4499	9541	76908	7878	9541	1	Si
225	0.068	7.6	0	-3109	SLV 15	-3984	-9541	-76908	-7878	-9541	1	Si
254	0.068	7.6	0	3402	SLV 1	4277	9541	76908	7878	9541	1	Si
254	0.068	7.6	0	-3331	SLV 15	-4206	-9541	-76908	-7878	-9541	1	Si
310	0.068	7.6	0	2958	SLV 1	3834	9541	76908	7878	9541	1	Si
310	0.068	7.6	0	-3774	SLV 15	-4649	-9541	-76908	-7878	-9541	1	Si
366	0.068	7.6	0	2515	SLV 1	3390	9541	76908	7878	9541	1	Si
366	0.068	7.6	0	-4218	SLV 15	-5093	-9541	-76908	-7878	-9541	1	Si
423	0.068	7.6	0	2071	SLV 1	2946	9541	76908	7878	9541	1	Si
423	0.068	7.6	0	-4662	SLV 15	-5537	-9541	-76908	-7878	-9541	1	Si
479	0.068	7.6	0	1628	SLV 1	2503	9541	76908	7878	9541	1	Si
479	0.068	7.6	0	-5105	SLV 15	-5980	-9541	-76908	-7878	-9541	1	Si
535	0.068	7.6	0	1184	SLV 1	2059	9541	76908	7878	9541	1	Si
535	0.068	7.6	0	-5549	SLV 15	-6424	-9541	-76908	-7878	-9541	1	Si
592	0.068	7.6	0	740	SLV 1	1616	9541	76908	7878	9541	1	Si
592	0.068	7.6	0	-5992	SLV 15	-6868	-9541	-76908	-7878	-9541	1	Si
648	0.068	7.6	0	297	SLV 1	1172	9541	76908	7878	9541	1	Si
648	0.068	7.6	0	-6436	SLV 15	-7311	-9541	-76908	-7878	-9541	1	Si
676	0.068	7.6	0	75	SLV 1	950	9541	76908	7878	9541	1	Si
676	0.068	7.6	0	-6658	SLV 15	-7533	-9541	-76908	-7878	-9541	1	Si
732	0.068	7.6	0	-369	SLV 1	506	9541	76908	7878	9541	1	Si
732	0.068	7.6	0	-7101	SLV 15	-7977	-9541	-76908	-7878	-9541	1	Si
789	0.068	7.6	0	-812	SLV 1	63	9541	76908	7878	9541	1	Si
789	0.068	15.21	0	-7545	SLV 15	-8420	-12021	-76908	-7878	-12021	1	Si
823	0.068	15.21	0	-7812	SLV 15	-8687	-12021	-76908	-7878	-12021	1	Si
845	0	19.62	0	-7989	SLV 15	-8864	-13087	-76908	0	-13087	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	12.02	0	3522	SLD 1	3522	11114	76908	0	11114	1	Si
23	0.068	7.6	0	3345	SLD 1	3345	9541	76908	7878	9541	1	Si
56	0.068	7.6	0	3078	SLD 1	3078	9541	76908	7878	9541	1	Si
113	0.068	7.6	0	2634	SLD 1	2634	9541	76908	7878	9541	1	Si
113	0.068	7.6	0	-345	SLD 15	-345	-9541	-76908	-7878	-9541	1	Si
169	0.068	7.6	0	2191	SLD 1	2191	9541	76908	7878	9541	1	Si
169	0.068	7.6	0	-789	SLD 15	-789	-9541	-76908	-7878	-9541	1	Si
225	0.068	7.6	0	1747	SLD 1	1747	9541	76908	7878	9541	1	Si
225	0.068	7.6	0	-1232	SLD 15	-1232	-9541	-76908	-7878	-9541	1	Si
254	0.068	7.6	0	1525	SLD 1	1525	9541	76908	7878	9541	1	Si
254	0.068	7.6	0	-1454	SLD 15	-1454	-9541	-76908	-7878	-9541	1	Si
310	0.068	7.6	0	1082	SLD 1	1082	9541	76908	7878	9541	1	Si
310	0.068	7.6	0	-1898	SLD 15	-1898	-9541	-76908	-7878	-9541	1	Si
366	0.068	7.6	0	638	SLD 1	638	9541	76908	7878	9541	1	Si
366	0.068	7.6	0	-2341	SLD 15	-2341	-9541	-76908	-7878	-9541	1	Si
423	0.068	7.6	0	195	SLD 1	195	9541	76908	7878	9541	1	Si
423	0.068	7.6	0	-2785	SLD 15	-2785	-9541	-76908	-7878	-9541	1	Si
479	0.068	7.6	0	-3228	SLD 15	-3228	-9541	-76908	-7878	-9541	1	Si
535	0.068	7.6	0	-3672	SLD 15	-3672	-9541	-76908	-7878	-9541	1	Si
592	0.068	7.6	0	-4116	SLD 15	-4116	-9541	-76908	-7878	-9541	1	Si
648	0.068	7.6	0	-4559	SLD 15	-4559	-9541	-76908	-7878	-9541	1	Si
676	0.068	7.6	0	-4781	SLD 15	-4781	-9541	-76908	-7878	-9541	1	Si
732	0.068	7.6	0	-5225	SLD 15	-5225	-9541	-76908	-7878	-9541	1	Si
789	0.068	15.21	0	-5668	SLD 15	-5668	-12021	-76908	-7878	-12021	1	Si
823	0.068	15.21	0	-5935	SLD 15	-5935	-12021	-76908	-7878	-12021	1	Si
845	0	19.62	0	-6112	SLD 15	-6112	-13087	-76908	0	-13087	1	Si

Verifiche delle tensioni in esercizio

x	Rara	Quasi permanente	Verifica

	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	146442	8	146442	4.8	124.5	216.8	1837	136752	1	136752	4.5	93.4	0	+∞	Si
23	189085	8	238988	7.8	124.5	353.9	1837	179784	1	230190	7.6	93.4	0	+∞	Si
56	246959	8	288957	10.3	124.5	474.5	1837	238244	1	280744	10	93.4	0	+∞	Si
113	322485	8	351587	8.3	124.5	124.2	1837	314745	1	344349	14.6	93.4	0	+∞	Si
169	373020	8	389225	9.2	124.5	137.5	1837	366255	1	382963	16.2	93.4	0	+∞	Si
225	398564	8	401965	9.5	124.5	142	1837	392774	1	396662	16.8	93.4	0	+∞	Si
254	401965	8	401965	9.5	124.5	142	1837	396662	1	396662	16.8	93.4	0	+∞	Si
310	390022	8	399209	9.4	124.5	141	1837	385694	1	394378	16.7	93.4	0	+∞	Si
366	353089	8	375172	8.8	124.5	132.5	1837	349736	1	371315	15.7	93.4	0	+∞	Si
423	291165	8	326144	7.7	124.5	115.2	1837	288787	1	323262	13.7	93.4	0	+∞	Si
479	204249	8	252124	5.9	124.5	89.1	1837	202846	1	250218	10.6	93.4	0	+∞	Si
535	92343	8	153114	3.6	124.5	54.1	1837	91915	1	152183	6.4	93.4	0	+∞	Si
592	-50780	3	-130465	3.1	124.5	46.1	1837	-48005	2	-127769	5.4	93.4	0	+∞	Si
648	-211058	3	-303663	7.2	124.5	107.3	1837	-208435	2	-301094	12.7	93.4	0	+∞	Si
676	-300575	9	-400145	9.4	124.5	141.4	1837	-298021	2	-397129	16.8	93.4	0	+∞	Si
732	-499386	9	-611851	20.1	124.5	690.9	1837	-495937	2	-607941	19.9	93.4	0	+∞	Si
789	-723187	9	-848548	25.5	124.5	750.8	1837	-718844	2	-843744	25.4	93.4	0	+∞	Si
823	-870114	9	-870114	24.9	124.5	667	1837	-865234	2	-865234	24.8	93.4	0	+∞	Si
845	-971979	9	-920301	26.4	124.5	705.5	1837	-966742	2	-915242	26.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.006	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.015	1	0.014	1	9999	Si
56	0.015	0.014	0.014	0.013	0.015	0.014	0.013	0.013	0.015	0.015	0.035	1	0.035	1	9999	Si
113	0.028	0.027	0.026	0.024	0.028	0.027	0.025	0.024	0.028	0.027	0.066	1	0.065	1	9999	Si
169	0.039	0.036	0.035	0.033	0.038	0.037	0.034	0.033	0.038	0.037	0.091	1	0.088	1	9320	Si
225	0.046	0.043	0.041	0.039	0.045	0.044	0.041	0.039	0.045	0.044	0.107	1	0.105	1	7870	Si
254	0.048	0.045	0.043	0.041	0.047	0.046	0.043	0.041	0.047	0.046	0.113	1	0.11	1	7499	Si
310	0.05	0.047	0.045	0.042	0.049	0.047	0.044	0.043	0.049	0.048	0.117	1	0.114	1	7218	Si
366	0.048	0.045	0.043	0.041	0.048	0.046	0.043	0.041	0.047	0.046	0.113	1	0.11	1	7448	Si
423	0.044	0.041	0.039	0.036	0.043	0.041	0.039	0.037	0.043	0.042	0.103	1	0.099	1	8240	Si
479	0.036	0.034	0.032	0.03	0.036	0.034	0.032	0.031	0.036	0.035	0.086	1	0.083	1	9866	Si
535	0.028	0.025	0.024	0.022	0.027	0.026	0.024	0.023	0.027	0.026	0.065	1	0.062	1	9999	Si
592	0.018	0.016	0.015	0.014	0.018	0.016	0.015	0.014	0.018	0.017	0.042	1	0.039	1	9999	Si
648	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.02	1	0.018	1	9999	Si
676	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.004	0.003	0.01	1	0.008	1	9999	Si
732	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.004	1	-0.005	1	9999	Si
789	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
823	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1855	4242	9541	SLV 1	0.57	2474	1.666	170899	1204812	1422107	SLV 15	0.38	780	1.038	Si
56	1588	4242	9541	SLV 1	0.57	2474	1.666	180050	1188778	1287564	SLV 15	0.34	599	0.932	No
113	1145	4242	9541	SLV 1	0.57	2474	1.666	269931	999171	970067	SLV 15	0.26	315	0.716	No
169	701	4242	9541	SLV 1	0.57	2474	1.666	334821	809577	970067	SLV 15	0.29	403	0.792	No
225	258	4242	9541	SLV 1	0.57	2474	1.666	374721	620005	970067	SLV 15	0.35	645	0.96	No
254	36	4242	9541	SLV 1	0.57	2474	1.666	385299	525236	970067	SLV 15	0.4	924	1.113	Si
310	-408	-4242	-9541	SLV 15	0.57	2474	1.666	387711	335767	970067	SLV 15	0.57	2474	1.666	Si
366	-852	-4242	-9541	SLV 15	0.57	2474	1.666	365133	146654	970067	SLV 15	0.57	2474	1.666	Si
423	-1295	-4242	-9541	SLV 15	0.57	2474	1.666	242263	241966	970067	SLV 1	0.57	2474	1.666	Si
479	-1739	-4242	-9541	SLV 15	0.57	2474	1.666	143910	430137	970067	SLV 1	0.57	2474	1.666	Si
535	-2182	-4242	-9541	SLV 15	0.57	2474	1.666	20566	619483	970067	SLV 1	0.55	2154	1.574	Si
592	-2626	-4242	-9541	SLV 15	0.57	2474	1.666	-127769	-808995	-970067	SLV 15	0.38	785	1.041	Si
648	-3070	-4242	-9541	SLV 15	0.54	2128	1.567	-301094	-998561	-970067	SLV 15	0.25	286	0.688	No
676	-3291	-4242	-9541	SLV 15	0.53	1938	1.508	-397129	-1093355	-970067	SLV 15	0.2	168	0.553	No
732	-3735	-4242	-9541	SLV 15	0.49	1592	1.391	-607941	-1282955	-1873488	SLV 15	0.36	688	0.986	No
789	-4179	-4242	-12021	SLV 15	0.57	2474	1.666	-843744	-1472566	-2396229	SLV 15	0.38	809	1.054	Si
823	-4445	-4242	-12021	SLV 15	0.57	2474	1.666	-865234	1488599	971715	SLV 1	0.44	1209	1.242	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1855	1490	9541	SLD 1	0.6	2474	4.193	170899	533145	1422107	SLD 15	0.32	508	2.191	Si
56	1588	1490	9541	SLD 1	0.6	2474	4.193	180050	526049	1287564	SLD 15	0.29	398	1.982	Si
113	1145	1490	9541	SLD 1	0.6	2474	4.193	269931	442144	970067	SLD 15	0.22	214	1.537	Si
169	701	1490	9541	SLD 1	0.6	2474	4.193	334821	358244	970067	SLD 15	0.24	274	1.701	Si
225	258	1490	9541	SLD 1	0.6	2474	4.193	374721	274355	970067	SLD 15	0.3	425	2.036	Si
254	36	1490	9541	SLD 1	0.6	2474	4.193	385299	232417	970067	SLD 15	0.34	600	2.346	Si
310	-408	-1490	-9541	SLD 15	0.6	2474	4.193	387711	148571	970067	SLD 15	0.52	1868	3.737	Si
366	-852	-1490	-9541	SLD 15	0.6	2474	4.193	365133	64880	970067	SLD 15	0.6	2474	4.193	Si
423	-1295	-1490	-9541	SLD 15	0.6	2474	4.193	243733	105750	970067	SLD 1	0.6	2474	4.193	Si
479	-1739	-1490	-9541	SLD 15	0.6	2474	4.193	143910	190351	970067	SLD 1	0.57	2454	4.179	Si
535	-2182	-1490	-9541	SLD 15	0.6	2474	4.193	20566	274142	970067	SLD 1	0.46	1344	3.265	Si
592	-2626	-1490	-9541	SLD 15	0.6	2474	4.193	-127769	-358005	-970067	SLD 15	0.32	510	2.194	Si
648	-3070	-1490	-9541	SLD 15	0.57	2460	4.183	-301094	-441893	-970067	SLD 15	0.21	194	1.476	Si
676	-3291	-1490	-9541	SLD 15	0.55	2240	4.026	-397129	-483841	-970067	SLD 15	0.17	116	1.196	Si
732	-3735	-1490	-9541	SLD 15	0.52	1840	3.714	-607941	-567743	-1873488	SLD 15	0.3	451	2.087	Si
789	-4179	-1490	-12021	SLD 15	0.6	2474	4.193	-843744	-651650	-2396229	SLD 15	0.32	526	2.222	Si
823	-4445	-1490	-12021	SLD 15	0.6	2474	4.193	-865234	658745	971715	SLD 1	0.38	769	2.597	Si

Campata 4 tra i fili ? - 35, sezione R 45x70, asta 1017

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-673430	SLU 19	-626803	-2772675	0.114	Si
23	22.81	5.4	7.6	5.4						-581961	SLU 19	-581961	-2772675	0.114	Si
59	18.03	5.4	8.55	5.4						-442487	SLU 19	-551886	-2207911	0.098	Si
118	7.6	5.4	7.6	5.4						-247180	SLU 19	-339020	-970067	0.076	Si
177	7.6	5.4	7.6	5.4						-87510	SLU 19	-161792	-970067	0.076	Si
206	7.6	5.4	7.6	5.4	-7068	SLU 18	43874	970067	0.076	-21039	SLU 19	-86541	-970067	0.076	Si
265	7.6	5.4	7.6	5.4	93248	SLU 36	132298	970067	0.076						Si
324	7.6	5.4	7.6	5.4	163595	SLU 36	185086	970067	0.076						Si
383	7.6	5.4	7.6	5.4	198304	SLU 36	202237	970067	0.076						Si
442	7.6	5.4	7.6	5.4	197377	SLU 36	202223	970067	0.076						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
501	7.6	5.4	7.6	5.4	160853	SLU 34	183218	970067	0.076						Si
560	7.6	5.4	7.6	5.4	88747	SLU 34	128664	970067	0.076						Si
619	7.6	5.4	7.6	5.4	-12255	SLU 16	38481	970067	0.076	-26367	SLU 22	-92648	-970067	0.076	Si
649	7.6	5.4	7.6	5.4						-93628	SLU 22	-168689	-970067	0.076	Si
708	15.21	5.4	7.6	5.4						-254879	SLU 22	-347498	-1873491	0.092	Si
767	15.21	5.4	7.6	5.4						-451767	SLU 22	-561945	-1873491	0.092	Si
796	15.21	5.4	7.6	5.4						-563574	SLU 22	-682531	-1873491	0.092	Si
826	19.37	5.4	7.6	5.4						-684291	SLU 22	-812027	-2366503	0.103	Si
862	22.81	5.4	7.6	5.4						-846790	SLU 22	-846790	-2772675	0.114	Si
885	22.81	5.4	7.6	5.4						-952452	SLU 22	-898728	-2772675	0.114	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4	728809	SLV 13	728809	971715	0.08	-1758166	SLV 3	-1689852	-2772675	0.114	Si
23	22.81	5.4	7.6	5.4	734199	SLV 13	736040	971715	0.08	-1622883	SLV 3	-1622883	-2772675	0.114	Si
59	18.03	5.4	8.55	5.4	736096	SLV 13	736096	1083194	0.081	-1410284	SLV 3	-1578310	-2207911	0.098	Si
118	7.6	5.4	7.6	5.4	715996	SLV 13	729272	970067	0.076	-1089842	SLV 3	-1244347	-970067	0.076	No
177	7.6	5.4	7.6	5.4	668527	SLV 13	695286	970067	0.076	-796857	SLV 3	-937831	-970067	0.076	Si
206	7.6	5.4	7.6	5.4	634538	SLV 13	668032	970067	0.076	-660669	SLV 3	-794872	-970067	0.076	Si
265	7.6	5.4	7.6	5.4	546090	SLV 13	593028	970067	0.076	-408943	SLV 3	-529577	-970067	0.076	Si
324	7.6	5.4	7.6	5.4	430482	SLV 13	490772	970067	0.076	-184883	SLV 3	-291855	-970067	0.076	Si
383	7.6	5.4	7.6	5.4	288464	SLV 13	361562	970067	0.076	10762	SLV 3	-82005	-970067	0.076	Si
442	7.6	5.4	7.6	5.4	207231	SLV 1	271636	970067	0.076						Si
501	7.6	5.4	7.6	5.4	334841	SLV 1	391415	970067	0.076	-92840	SLV 15	-197279	-970067	0.076	Si
560	7.6	5.4	7.6	5.4	444792	SLV 3	490388	970067	0.076	-313642	SLV 13	-434115	-970067	0.076	Si
619	7.6	5.4	7.6	5.4	530852	SLV 3	563497	970067	0.076	-565379	SLV 13	-699915	-970067	0.076	Si
649	7.6	5.4	7.6	5.4	563980	SLV 3	589979	970067	0.076	-701905	SLV 13	-843301	-970067	0.076	Si
708	15.21	5.4	7.6	5.4	609960	SLV 3	622561	971252	0.079	-995800	SLV 13	-1150811	-1873491	0.092	Si
767	15.21	5.4	7.6	5.4	628711	SLV 3	628711	971252	0.079	-1317291	SLV 13	-1485860	-1873491	0.092	Si
826	19.37	5.4	7.6	5.4	620137	SLV 3	627730	971540	0.08	-1666285	SLV 13	-1848388	-2366503	0.103	Si
862	22.81	5.4	7.6	5.4	600516	SLV 3	616474	971715	0.08	-1896560	SLV 13	-1896560	-2772675	0.114	Si
885	22.81	5.4	7.6	5.4	584201	SLV 3	584201	971715	0.08	-2042741	SLV 13	-1968985	-2772675	0.114	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4	35604	SLD 13	35604	971715	0.08	-1064960	SLD 3	-1014742	-2772675	0.114	Si
23	22.81	5.4	7.6	5.4	77200	SLD 13	125816	971715	0.08	-965883	SLD 3	-965883	-2772675	0.114	Si
59	18.03	5.4	8.55	5.4	137826	SLD 13	178066	1083194	0.081	-812014	SLD 3	-933266	-2207911	0.098	Si
118	7.6	5.4	7.6	5.4	212647	SLD 13	239388	970067	0.076	-586493	SLD 3	-694231	-970067	0.076	Si
177	7.6	5.4	7.6	5.4	260074	SLD 13	273323	970067	0.076	-388403	SLD 3	-482625	-970067	0.076	Si
206	7.6	5.4	7.6	5.4	273519	SLD 13	280026	970067	0.076	-299650	SLD 3	-387110	-970067	0.076	Si
265	7.6	5.4	7.6	5.4	279889	SLD 13	280119	970067	0.076	-142742	SLD 3	-216668	-970067	0.076	Si
324	7.6	5.4	7.6	5.4	258958	SLD 13	272626	970067	0.076	-13359	SLD 3	-73709	-970067	0.076	Si
383	7.6	5.4	7.6	5.4	211057	SLD 13	237923	970067	0.076						Si
442	7.6	5.4	7.6	5.4	174776	SLD 1	197466	970067	0.076						Si
501	7.6	5.4	7.6	5.4	215632	SLD 1	227327	970067	0.076	26369	SLD 15	-33190	-970067	0.076	Si
560	7.6	5.4	7.6	5.4	233391	SLD 3	233391	970067	0.076	-102241	SLD 13	-176425	-970067	0.076	Si
619	7.6	5.4	7.6	5.4	225296	SLD 3	232580	970067	0.076	-259822	SLD 13	-347759	-970067	0.076	Si
649	7.6	5.4	7.6	5.4	211136	SLD 3	225090	970067	0.076	-349060	SLD 13	-443798	-970067	0.076	Si
708	15.21	5.4	7.6	5.4	162381	SLD 3	189765	971252	0.079	-548221	SLD 13	-656513	-1873491	0.092	Si
767	15.21	5.4	7.6	5.4	86295	SLD 3	127154	971252	0.079	-774875	SLD 13	-896697	-1873491	0.092	Si
826	19.37	5.4	7.6	5.4	-17165	SLD 3	37184	971540	0.08	-1028982	SLD 13	-1164322	-2366503	0.103	Si
862	22.81	5.4	7.6	5.4						-1200541	SLD 13	-1200541	-2772675	0.114	Si
885	22.81	5.4	7.6	5.4						-1310524	SLD 13	-1254855	-2772675	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.03	0	4216	SLU 19	4216	12723	76908	0	12723	1	Si
23	0.068	11.08	0	3986	SLU 19	3986	10819	76908	7920	10819	1	Si
59	0.068	7.6	0	3612	SLU 19	3612	9541	76908	7920	9541	1	Si
118	0.068	7.6	0	3008	SLU 19	3008	9541	76908	7920	9541	1	Si
177	0.068	7.6	0	2404	SLU 19	2404	9541	76908	7920	9541	1	Si
206	0.068	7.6	0	2102	SLU 19	2102	9541	76908	7920	9541	1	Si
265	0.068	7.6	0	1498	SLU 19	1498	9541	76908	7920	9541	1	Si
324	0.068	7.6	0	894	SLU 19	894	9541	76908	7920	9541	1	Si
383	0.068	7.6	0	290	SLU 19	290	9541	76908	7920	9541	1	Si
442	0.068	7.6	0	-319	SLU 32	-319	-9541	-76908	-7920	-9541	1	Si
501	0.068	7.6	0	-923	SLU 32	-923	-9541	-76908	-7920	-9541	1	Si
560	0.068	7.6	0	-1527	SLU 32	-1527	-9541	-76908	-7920	-9541	1	Si
619	0.068	7.6	0	-2131	SLU 32	-2131	-9541	-76908	-7920	-9541	1	Si
649	0.068	7.6	0	-2433	SLU 32	-2433	-9541	-76908	-7920	-9541	1	Si
708	0.068	7.6	0	-3037	SLU 32	-3037	-9541	-76908	-7920	-9541	1	Si
767	0.068	15.21	0	-3641	SLU 32	-3641	-12021	-76908	-7920	-12021	1	Si
826	0.068	15.21	0	-4245	SLU 32	-4245	-12021	-76908	-7920	-12021	1	Si
862	0.068	15.21	0	-4619	SLU 32	-4619	-12021	-76908	-7920	-12021	1	Si
885	0	19.37	0	-4849	SLU 32	-4849	-13031	-76908	0	-13031	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.03	0	6130	SLV 3	6881	12723	76908	0	12723	1	Si
0	0	7.6	0	354	SLV 13	-396	-9541	-76908	0	-9541	1	Si
23	0.068	11.08	0	5953	SLV 3	6704	10819	76908	7920	10819	1	Si
23	0.068	7.6	0	177	SLV 13	-574	-9541	-76908	-7920	-9541	1	Si
59	0.068	7.6	0	5665	SLV 3	6416	9541	76908	7920	9541	1	Si
59	0.068	7.6	0	-110	SLV 13	-861	-9541	-76908	-7920	-9541	1	Si
118	0.068	7.6	0	5201	SLV 3	5952	9541	76908	7920	9541	1	Si
118	0.068	7.6	0	-575	SLV 13	-1326	-9541	-76908	-7920	-9541	1	Si
177	0.068	7.6	0	4736	SLV 3	5487	9541	76908	7920	9541	1	Si
177	0.068	7.6	0	-1039	SLV 13	-1790	-9541	-76908	-7920	-9541	1	Si
206	0.068	7.6	0	4504	SLV 3	5255	9541	76908	7920	9541	1	Si
206	0.068	7.6	0	-1272	SLV 13	-2023	-9541	-76908	-7920	-9541	1	Si
265	0.068	7.6	0	4039	SLV 3	4790	9541	76908	7920	9541	1	Si
265	0.068	7.6	0	-1736	SLV 13	-2487	-9541	-76908	-7920	-9541	1	Si
324	0.068	7.6	0	3575	SLV 3	4325	9541	76908	7920	9541	1	Si
324	0.068	7.6	0	-2201	SLV 13	-2952	-9541	-76908	-7920	-9541	1	Si
383	0.068	7.6	0	3110	SLV 3	3861	9541	76908	7920	9541	1	Si
383	0.068	7.6	0	-2666	SLV 13	-3416	-9541	-76908	-7920	-9541	1	Si
442	0.068	7.6	0	2645	SLV 3	3396	9541	76908	7920	9541	1	Si
442	0.068	7.6	0	-3130	SLV 13	-3881	-9541	-76908	-7920	-9541	1	Si
501	0.068	7.6	0	2181	SLV 3	2932	9541	76908	7920	9541	1	Si
501	0.068	7.6	0	-3595	SLV 13	-4346	-9541	-76908	-7920	-9541	1	Si
560	0.068	7.6	0	1716	SLV 3	2467	9541	76908	7920	9541	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
560	0.068	7.6	0	-4060	SLV 13	-4810	-9541	-76908	-7920	-9541	1	Si
619	0.068	7.6	0	1251	SLV 3	2002	9541	76908	7920	9541	1	Si
619	0.068	7.6	0	-4524	SLV 13	-5275	-9541	-76908	-7920	-9541	1	Si
649	0.068	7.6	0	1019	SLV 3	1770	9541	76908	7920	9541	1	Si
649	0.068	7.6	0	-4756	SLV 13	-5507	-9541	-76908	-7920	-9541	1	Si
708	0.068	7.6	0	554	SLV 3	1305	9541	76908	7920	9541	1	Si
708	0.068	7.6	0	-5221	SLV 13	-5972	-9541	-76908	-7920	-9541	1	Si
767	0.068	7.6	0	90	SLV 3	841	9541	76908	7920	9541	1	Si
767	0.068	15.21	0	-5686	SLV 13	-6437	-12021	-76908	-7920	-12021	1	Si
826	0.068	7.6	0	-375	SLV 3	376	9541	76908	7920	9541	1	Si
826	0.068	15.21	0	-6150	SLV 13	-6901	-12021	-76908	-7920	-12021	1	Si
862	0.068	7.6	0	-662	SLV 3	89	9541	76908	7920	9541	1	Si
862	0.068	15.21	0	-6438	SLV 13	-7189	-12021	-76908	-7920	-12021	1	Si
885	0	19.37	0	-6615	SLV 13	-7366	-13031	-76908	0	-13031	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.03	0	4520	SLD 3	4520	12723	76908	0	12723	1	Si
23	0.068	11.08	0	4343	SLD 3	4343	10819	76908	7920	10819	1	Si
59	0.068	7.6	0	4056	SLD 3	4056	9541	76908	7920	9541	1	Si
118	0.068	7.6	0	3591	SLD 3	3591	9541	76908	7920	9541	1	Si
177	0.068	7.6	0	3126	SLD 3	3126	9541	76908	7920	9541	1	Si
206	0.068	7.6	0	2894	SLD 3	2894	9541	76908	7920	9541	1	Si
265	0.068	7.6	0	2429	SLD 3	2429	9541	76908	7920	9541	1	Si
265	0.068	7.6	0	-127	SLD 13	-127	-9541	-76908	-7920	-9541	1	Si
324	0.068	7.6	0	1965	SLD 3	1965	9541	76908	7920	9541	1	Si
324	0.068	7.6	0	-591	SLD 13	-591	-9541	-76908	-7920	-9541	1	Si
383	0.068	7.6	0	1500	SLD 3	1500	9541	76908	7920	9541	1	Si
383	0.068	7.6	0	-1056	SLD 13	-1056	-9541	-76908	-7920	-9541	1	Si
442	0.068	7.6	0	1035	SLD 3	1035	9541	76908	7920	9541	1	Si
442	0.068	7.6	0	-1520	SLD 13	-1520	-9541	-76908	-7920	-9541	1	Si
501	0.068	7.6	0	571	SLD 3	571	9541	76908	7920	9541	1	Si
501	0.068	7.6	0	-1985	SLD 13	-1985	-9541	-76908	-7920	-9541	1	Si
560	0.068	7.6	0	106	SLD 3	106	9541	76908	7920	9541	1	Si
560	0.068	7.6	0	-2450	SLD 13	-2450	-9541	-76908	-7920	-9541	1	Si
619	0.068	7.6	0	-2914	SLD 13	-2914	-9541	-76908	-7920	-9541	1	Si
649	0.068	7.6	0	-3147	SLD 13	-3147	-9541	-76908	-7920	-9541	1	Si
708	0.068	7.6	0	-3611	SLD 13	-3611	-9541	-76908	-7920	-9541	1	Si
767	0.068	15.21	0	-4076	SLD 13	-4076	-12021	-76908	-7920	-12021	1	Si
826	0.068	15.21	0	-4540	SLD 13	-4540	-12021	-76908	-7920	-12021	1	Si
862	0.068	15.21	0	-4828	SLD 13	-4828	-12021	-76908	-7920	-12021	1	Si
885	0	19.37	0	-5005	SLD 13	-5005	-13031	-76908	0	-13031	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-516280	1	-480416	13.8	124.5	368.3	1837	-516280	1	-480416	13.8	93.4	0	+∞	Si
23	-445925	1	-445925	12.8	124.5	341.8	1837	-445925	1	-445925	12.8	93.4	0	+∞	Si
59	-338646	1	-422792	12.9	124.5	405.1	1837	-338646	1	-422792	12.9	93.4	0	+∞	Si
118	-188425	1	-259064	6.1	124.5	91.5	1837	-188425	1	-259064	11	93.4	0	+∞	Si
177	-65617	1	-122749	2.9	124.5	43.4	1837	-65617	1	-122749	5.2	93.4	0	+∞	Si
206	-14492	1	-64872	1.5	124.5	22.9	1837	-14492	1	-64872	2.7	93.4	0	+∞	Si
265	70544	9	100596	2.4	124.5	35.5	1837	68573	2	98668	4.2	93.4	0	+∞	Si
324	124683	9	141229	3.3	124.5	49.9	1837	122800	2	139387	5.9	93.4	0	+∞	Si
383	151410	9	154448	3.6	124.5	54.6	1837	149613	2	152694	6.5	93.4	0	+∞	Si
442	150724	9	154438	3.6	124.5	54.6	1837	149013	2	152685	6.5	93.4	0	+∞	Si
501	122651	7	139846	3.3	124.5	49.4	1837	121001	2	138179	5.8	93.4	0	+∞	Si
560	67203	7	97900	2.3	124.5	34.6	1837	65575	2	96261	4.1	93.4	0	+∞	Si
619	-18648	4	-69631	1.6	124.5	24.6	1837	-18340	1	-69261	2.9	93.4	0	+∞	Si
649	-70386	4	-128122	3	124.5	45.3	1837	-70014	1	-127689	5.4	93.4	0	+∞	Si
708	-194420	4	-265663	8.7	124.5	300	1837	-193922	1	-265103	8.7	93.4	0	+∞	Si
767	-345867	4	-430617	14.1	124.5	486.2	1837	-345243	1	-429930	14.1	93.4	0	+∞	Si
826	-524727	4	-622984	18.8	124.5	558.1	1837	-523976	1	-622170	18.8	93.4	0	+∞	Si
862	-649724	4	-649724	18.6	124.5	498	1837	-648894	1	-648894	18.6	93.4	0	+∞	Si
885	-731001	4	-689675	19.8	124.5	528.7	1837	-730122	1	-688821	19.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
59	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.006	2	-0.006	2	9999	Si
118	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.005	2	-0.006	2	9999	Si
177	0.001	0	0	-0.001	0.001	0	0	-0.001	0.001	0	0	2	-0.001	2	9999	Si
206	0.002	0.002	0.001	0	0.002	0.002	0.001	0	0.002	0.002	0.003	2	0.002	2	9999	Si
265	0.005	0.004	0.003	0.003	0.005	0.004	0.003	0.003	0.005	0.004	0.009	2	0.009	2	9999	Si
324	0.007	0.007	0.005	0.005	0.007	0.007	0.005	0.005	0.007	0.007	0.014	2	0.014	2	9999	Si
383	0.008	0.008	0.006	0.005	0.008	0.008	0.006	0.005	0.008	0.008	0.017	2	0.016	2	9999	Si
442	0.008	0.007	0.006	0.005	0.007	0.007	0.005	0.005	0.007	0.007	0.015	2	0.015	2	9999	Si
501	0.006	0.005	0.004	0.003	0.005	0.005	0.004	0.003	0.005	0.005	0.011	2	0.01	2	9999	Si
560	0.003	0.002	0.001	0	0.002	0.002	0.001	0	0.002	0.002	0.004	2	0.003	2	9999	Si
619	-0.001	-0.002	-0.002	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.005	2	-0.006	2	9999	Si
649	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.009	2	-0.01	2	9999	Si
708	-0.006	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.016	2	-0.017	2	9999	Si
767	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.019	2	-0.02	2	9999	Si
826	-0.006	-0.007	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.015	2	-0.015	2	9999	Si
862	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3065	3639	10819	SLV 3	0.57	2474	1.666	-444342	1178541	971715	SLV 13	0.43	1126	1.207	Si
59	2778	3639	9541	SLV 3	0.57	2474	1.666	-337094	1073190	1083194	SLV 13	0.48	1454	1.34	Si
118	2313	3639	9541	SLV 3	0.57	2474	1.666	-257537	-986809	-970067	SLV 3	0.27	336	0.735	No
177	1848	3639	9541	SLV 3	0.57	2474	1.666	-121273	-816558	-970067	SLV 3	0.38	782	1.039	Si
206	1616	3639	9541	SLV 3	0.57	2474	1.666	-63420	-731452	-970067	SLV 3	0.45	1223	1.248	Si
265	1151	3639	9541	SLV 3	0.57	2474	1.666	31726	561302	970067	SLV 13	0.57	2474	1.666	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
324	687	3639	9541	SLV 3	0.57	2474	1.666	99458	391313	970067	SLV 13	0.57	2474	1.666	Si
383	222	3639	9541	SLV 3	0.57	2474	1.666	139778	221784	970067	SLV 13	0.57	2474	1.666	Si
442	-242	-3639	-9541	SLV 13	0.57	2474	1.666	138588	133048	970067	SLV 1	0.57	2474	1.666	Si
501	-707	-3639	-9541	SLV 13	0.57	2474	1.666	97068	294347	970067	SLV 3	0.57	2474	1.666	Si
560	-1172	-3639	-9541	SLV 13	0.57	2474	1.666	28136	462251	970067	SLV 3	0.57	2474	1.666	Si
619	-1636	-3639	-9541	SLV 13	0.57	2474	1.666	-68209	-631706	-970067	SLV 13	0.51	1781	1.456	Si
649	-1869	-3639	-9541	SLV 13	0.57	2474	1.666	-126661	-716640	-970067	SLV 13	0.43	1066	1.18	Si
708	-2333	-3639	-9541	SLV 13	0.57	2474	1.666	-264125	886686	971252	SLV 3	0.5	1669	1.418	Si
767	-2798	-3639	-12021	SLV 13	0.57	2474	1.666	-344290	973001	971252	SLV 3	0.48	1540	1.372	Si
826	-3263	-3639	-12021	SLV 13	0.57	2474	1.666	-621292	1227096	971540	SLV 3	0.47	1382	1.312	Si
862	-3550	-3639	-12021	SLV 13	0.57	2474	1.666	-648022	1248538	971715	SLV 3	0.47	1380	1.312	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3065	1278	10819	SLD 3	0.6	2474	4.193	-444342	521541	971715	SLD 13	0.37	721	2.529	Si
59	2778	1278	9541	SLD 3	0.6	2474	4.193	-421215	512051	1083194	SLD 13	0.39	874	2.737	Si
118	2313	1278	9541	SLD 3	0.6	2474	4.193	-257537	-436694	-970067	SLD 3	0.23	228	1.578	Si
177	1848	1278	9541	SLD 3	0.6	2474	4.193	-121273	-361352	-970067	SLD 3	0.32	509	2.193	Si
206	1616	1278	9541	SLD 3	0.6	2474	4.193	-63420	-323690	-970067	SLD 3	0.38	778	2.609	Si
265	1151	1278	9541	SLD 3	0.6	2474	4.193	31726	248393	970067	SLD 13	0.5	1692	3.588	Si
324	687	1278	9541	SLD 3	0.6	2474	4.193	99458	173168	970067	SLD 13	0.6	2474	4.193	Si
383	222	1278	9541	SLD 3	0.6	2474	4.193	139778	98145	970067	SLD 13	0.6	2474	4.193	Si
442	-242	-1278	-9541	SLD 13	0.6	2474	4.193	138588	58879	970067	SLD 1	0.6	2474	4.193	Si
501	-707	-1278	-9541	SLD 13	0.6	2474	4.193	97068	130258	970067	SLD 3	0.6	2474	4.193	Si
560	-1172	-1278	-9541	SLD 13	0.6	2474	4.193	28136	-204562	-970067	SLD 13	0.6	2474	4.193	Si
619	-1636	-1278	-9541	SLD 13	0.6	2474	4.193	-68209	-279551	-970067	SLD 13	0.43	1113	3.022	Si
649	-1869	-1278	-9541	SLD 13	0.6	2474	4.193	-126661	-317137	-970067	SLD 13	0.36	685	2.477	Si
708	-2333	-1278	-9541	SLD 13	0.6	2474	4.193	-264125	392388	971252	SLD 3	0.42	1041	2.94	Si
767	-2798	-1278	-12021	SLD 13	0.6	2474	4.193	-429002	467694	971252	SLD 3	0.4	915	2.789	Si
826	-3263	-1278	-12021	SLD 13	0.6	2474	4.193	-621292	543030	971540	SLD 3	0.39	871	2.733	Si
862	-3550	-1278	-12021	SLD 13	0.6	2474	4.193	-648022	552519	971715	SLD 3	0.39	869	2.73	Si

Campata 5 tra i fili 35 - 36, sezione R 45x70, asta 1016

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-965311	SLU 19	-906136	-2772675	0.114	Si
23	22.81	5.4	7.6	5.4						-848823	SLU 19	-848823	-2772675	0.114	Si
58	19.49	5.4	8.46	5.4						-675268	SLU 19	-817260	-2381388	0.102	Si
115	15.21	5.4	7.6	5.4						-419270	SLU 19	-544099	-1873491	0.092	Si
173	12.39	5.4	7.6	5.4						-197316	SLU 19	-304983	-1539795	0.086	Si
231	7.6	5.4	7.6	5.4	17983	SLU 18	91400	970067	0.076	-9406	SLU 19	-99911	-970067	0.076	Si
259	7.6	5.4	7.6	5.4	90835	SLU 36	160334	970067	0.076	57079	SLU 1	-10142	-970067	0.076	Si
317	7.6	5.4	7.6	5.4	220775	SLU 30	273566	970067	0.076						Si
375	7.6	5.4	7.6	5.4	317126	SLU 30	353414	970067	0.076						Si
432	7.6	5.4	7.6	5.4	381620	SLU 21	401954	970067	0.076						Si
490	7.6	5.4	7.6	5.4	414892	SLU 19	419481	970067	0.076						Si
548	7.6	5.4	7.6	5.4	415559	SLU 19	419481	970067	0.076						Si
605	7.6	5.4	11.4	5.4	382181	SLU 19	403228	1422093	0.084						Si
663	7.6	5.4	11.4	5.4	314760	SLU 19	352968	1422093	0.084						Si
692	7.6	5.4	11.4	5.4	268282	SLU 19	315071	1422093	0.084						Si
750	15.11	5.4	11.4	5.4	149794	SLU 19	213745	1422107	0.084						Si
807	15.21	5.4	11.4	5.4	-2738	SLU 19	78375	1422107	0.084	-62958	SLU 18	-151491	-1873055	0.09	Si
837	15.21	5.4	11.4	5.4						-155349	SLU 36	-155349	-1873055	0.09	Si
865	15.21	5.4	11.4	5.4						-252099	SLU 36	-201882	-1873055	0.09	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4	517178	SLV 15	517178	971715	0.08	-1959205	SLV 1	-1878848	-2772675	0.114	Si
23	22.81	5.4	7.6	5.4	534555	SLV 15	551886	971715	0.08	-1799681	SLV 1	-1799681	-2772675	0.114	Si
58	19.49	5.4	8.46	5.4	555221	SLV 15	564542	1072619	0.081	-1556952	SLV 1	-1756456	-2381388	0.102	Si
115	15.21	5.4	7.6	5.4	567361	SLV 15	567361	971252	0.079	-1181171	SLV 1	-1367312	-1873491	0.092	Si
173	12.39	5.4	7.6	5.4	553823	SLV 15	563809	970954	0.078	-832087	SLV 1	-1004730	-1539795	0.086	Si
231	7.6	5.4	7.6	5.4	515148	SLV 15	537701	970067	0.076	-510242	SLV 1	-669050	-970067	0.076	Si
259	7.6	5.4	7.6	5.4	486805	SLV 15	515332	970067	0.076	-359956	SLV 1	-511535	-970067	0.076	Si
317	7.6	5.4	7.6	5.4	415035	SLV 15	453317	970067	0.076	-83580	SLV 1	-218511	-970067	0.076	Si
375	7.6	5.4	7.6	5.4	349926	SLV 15	376974	970067	0.076						Si
432	7.6	5.4	7.6	5.4	459313	SLV 1	555565	970067	0.076						Si
490	7.6	5.4	7.6	5.4	649428	SLV 1	740457	970067	0.076	-18410	SLV 15	-105414	-970067	0.076	Si
548	7.6	5.4	7.6	5.4	824631	SLV 1	904157	970067	0.076	-198510	SLV 15	-300414	-970067	0.076	Si
605	7.6	5.4	11.4	5.4	976311	SLV 1	1043251	1422093	0.084	-407463	SLV 15	-523184	-970824	0.078	Si
663	7.6	5.4	11.4	5.4	1102824	SLV 1	1156852	1422093	0.084	-643625	SLV 15	-772836	-970824	0.078	Si
692	7.6	5.4	11.4	5.4	1156465	SLV 1	1203981	1422093	0.084	-771730	SLV 15	-907632	-970824	0.078	Si
750	15.11	5.4	11.4	5.4	1244351	SLV 1	1278788	1422107	0.084	-1047829	SLV 15	-1197054	-1862047	0.09	Si
807	15.21	5.4	11.4	5.4	1306265	SLV 1	1327578	1422107	0.084	-1350332	SLV 15	-1512835	-1873055	0.09	Si
837	15.21	5.4	11.4	5.4	1328136	SLV 1	1328136	1422107	0.084	-1519214	SLV 15	-1519214	-1873055	0.09	Si
865	15.21	5.4	11.4	5.4	1342131	SLV 1	1336647	1422107	0.084	-1679161	SLV 15	-1597868	-1873055	0.09	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-1268933	SLD 1	-1208320	-2772675	0.114	Si
23	22.81	5.4	7.6	5.4						-1149032	SLD 1	-1149032	-2772675	0.114	Si
58	19.49	5.4	8.46	5.4	-33529	SLD 15	26916	1072619	0.081	-968202	SLD 1	-1116543	-2381388	0.102	Si
115	15.21	5.4	7.6	5.4	79975	SLD 15	127314	971252	0.079	-693785	SLD 1	-828853	-1873491	0.092	Si
173	12.39	5.4	7.6	5.4	167517	SLD 15	201842	970954	0.078	-445781	SLD 1	-567516	-1539795	0.086	Si
231	7.6	5.4	7.6	5.4	229335	SLD 15	250910	970067	0.076	-224430	SLD 1	-332683	-970067	0.076	Si
259	7.6	5.4	7.6	5.4	250784	SLD 15	266264	970067	0.076	-123935	SLD 1	-225310	-970067	0.076	Si
317	7.6	5.4	7.6	5.4	276056	SLD 15	281997	970067	0.076	55399	SLD 1	-31251	-970067	0.076	Si
375	7.6	5.4	7.6	5.4	289663	SLD 15	317359	970067	0.076						Si
432	7.6	5.4	7.6	5.4	365886	SLD 1	416961	970067	0.076						Si
490	7.6	5.4	7.6	5.4	463250	SLD 1	504653	970067	0.076						Si
548	7.6	5.4	7.6	5.4	539414	SLD 1	568367	970067	0.076						Si
605	7.6	5.4	11.4	5.4	590569	SLD 1	606592	1422093	0.084	-21721	SLD 15	-86525	-970824	0.078	Si
663	7.6	5.4	11.4	5.4	615987	SLD 1	618966	1422093	0.084	-156788	SLD 15	-234922	-970824	0.078	Si
692	7.6	5.4	11.4	5.4	618966	SLD 1	618966	1422093	0.084	-234232	SLD 15	-319007	-970824	0.078	Si
750	15.11	5.4	11.4	5.4	605393	SLD 1	615467	1422107	0.084	-408871	SLD 15	-506901	-1862047	0.09	Si
807	15.21	5.4	11.4	5.4	565727	SLD 1	588960	1422107	0.084	-609793	SLD 15	-721058	-1873055	0.09	Si
837	15.21	5.4	11.4	5.4	534426	SLD 1	564600	1422107	0.084	-725503	SLD 15	-725503	-1873055	0.09	Si
865	15.21	5.4	11.4	5.4	499935	SLD 1	499935	1422107	0.084	-836964	SLD 15	-779860	-1873055	0.09	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.49	0	5325	SLU 19	5325	13059	76908	0	13059	1	Si
23	0.068	15.21	0	5094	SLU 19	5094	12021	76908	7876	12021	1	Si
58	0.068	15.21	0	4734	SLU 19	4734	12021	76908	7876	12021	1	Si
115	0.068	12.39	0	4144	SLU 19	4144	11229	76908	7876	11229	1	Si
173	0.068	7.6	0	3554	SLU 19	3554	9541	76908	7876	9541	1	Si
231	0.068	7.6	0	2963	SLU 19	2963	9541	76908	7876	9541	1	Si
259	0.068	7.6	0	2668	SLU 19	2668	9541	76908	7876	9541	1	Si
317	0.068	7.6	0	2078	SLU 19	2078	9541	76908	7876	9541	1	Si
375	0.068	7.6	0	1487	SLU 19	1487	9541	76908	7876	9541	1	Si
432	0.068	7.6	0	897	SLU 19	897	9541	76908	7876	9541	1	Si
490	0.068	7.6	0	307	SLU 19	307	9541	76908	7876	9541	1	Si
548	0.068	7.6	0	-419	SLU 36	-419	-9541	-76908	-7876	-9541	1	Si
605	0.068	7.6	0	-1009	SLU 36	-1009	-9541	-76908	-7876	-9541	1	Si
663	0.068	11.4	0	-1600	SLU 36	-1600	-10922	-76908	-7876	-10922	1	Si
692	0.068	11.4	0	-1895	SLU 36	-1895	-10922	-76908	-7876	-10922	1	Si
750	0.068	11.4	0	-2485	SLU 36	-2485	-10922	-76908	-7876	-10922	1	Si
807	0.068	15.11	0	-3075	SLU 36	-3075	-11997	-76908	-7876	-11997	1	Si
837	0.068	15.21	0	-3384	SLU 36	-3384	-12021	-76908	-7876	-12021	1	Si
865	0	15.21	0	-3666	SLU 36	-3666	-12021	-76908	0	-12021	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.49	0	7214	SLV 1	8038	13059	76908	0	13059	1	Si
23	0.068	15.21	0	7037	SLV 1	7861	12021	76908	7876	12021	1	Si
23	0.068	7.6	0	698	SLV 15	-126	-9541	-76908	-7876	-9541	1	Si
58	0.068	15.21	0	6760	SLV 1	7584	12021	76908	7876	12021	1	Si
58	0.068	7.6	0	421	SLV 15	-403	-9541	-76908	-7876	-9541	1	Si
115	0.068	12.39	0	6306	SLV 1	7130	11229	76908	7876	11229	1	Si
115	0.068	7.6	0	-33	SLV 15	-857	-9541	-76908	-7876	-9541	1	Si
144	0.068	7.6	0	6079	SLV 1	6903	9541	76908	7876	9541	1	Si
144	0.068	7.6	0	-260	SLV 15	-1084	-9541	-76908	-7876	-9541	1	Si
173	0.068	7.6	0	5852	SLV 1	6676	9541	76908	7876	9541	1	Si
173	0.068	7.6	0	-487	SLV 15	-1311	-9541	-76908	-7876	-9541	1	Si
231	0.068	7.6	0	5398	SLV 1	6222	9541	76908	7876	9541	1	Si
231	0.068	7.6	0	-941	SLV 15	-1766	-9541	-76908	-7876	-9541	1	Si
259	0.068	7.6	0	5171	SLV 1	5995	9541	76908	7876	9541	1	Si
259	0.068	7.6	0	-1169	SLV 15	-1993	-9541	-76908	-7876	-9541	1	Si
317	0.068	7.6	0	4717	SLV 1	5541	9541	76908	7876	9541	1	Si
317	0.068	7.6	0	-1623	SLV 15	-2447	-9541	-76908	-7876	-9541	1	Si
375	0.068	7.6	0	4263	SLV 1	5087	9541	76908	7876	9541	1	Si
375	0.068	7.6	0	-2077	SLV 15	-2901	-9541	-76908	-7876	-9541	1	Si
432	0.068	7.6	0	3808	SLV 1	4632	9541	76908	7876	9541	1	Si
432	0.068	7.6	0	-2531	SLV 15	-3355	-9541	-76908	-7876	-9541	1	Si
490	0.068	7.6	0	3354	SLV 1	4178	9541	76908	7876	9541	1	Si
490	0.068	7.6	0	-2985	SLV 15	-3809	-9541	-76908	-7876	-9541	1	Si
548	0.068	7.6	0	2900	SLV 1	3724	9541	76908	7876	9541	1	Si
548	0.068	7.6	0	-3439	SLV 15	-4263	-9541	-76908	-7876	-9541	1	Si
605	0.068	7.6	0	2446	SLV 1	3270	9541	76908	7876	9541	1	Si
605	0.068	7.6	0	-3893	SLV 15	-4717	-9541	-76908	-7876	-9541	1	Si
663	0.068	11.4	0	1992	SLV 1	2816	10922	76908	7876	10922	1	Si
663	0.068	7.6	0	-4347	SLV 15	-5172	-9541	-76908	-7876	-9541	1	Si
692	0.068	11.4	0	1765	SLV 1	2589	10922	76908	7876	10922	1	Si
692	0.068	7.6	0	-4574	SLV 15	-5399	-9541	-76908	-7876	-9541	1	Si
750	0.068	11.4	0	1311	SLV 1	2135	10922	76908	7876	10922	1	Si
750	0.068	7.6	0	-5029	SLV 15	-5853	-9541	-76908	-7876	-9541	1	Si
807	0.068	11.4	0	857	SLV 1	1681	10922	76908	7876	10922	1	Si
807	0.068	15.11	0	-5483	SLV 15	-6307	-11997	-76908	-7876	-11997	1	Si
837	0.068	11.4	0	619	SLV 1	1443	10922	76908	7876	10922	1	Si
837	0.068	15.21	0	-5720	SLV 15	-6544	-12021	-76908	-7876	-12021	1	Si
865	0	11.4	0	402	SLV 1	1227	10922	76908	0	10922	1	Si
865	0	15.21	0	-5937	SLV 15	-6761	-12021	-76908	0	-12021	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.49	0	5447	SLD 1	5447	13059	76908	0	13059	1	Si
23	0.068	15.21	0	5270	SLD 1	5270	12021	76908	7876	12021	1	Si
58	0.068	15.21	0	4993	SLD 1	4993	12021	76908	7876	12021	1	Si
115	0.068	12.39	0	4539	SLD 1	4539	11229	76908	7876	11229	1	Si
144	0.068	7.6	0	4312	SLD 1	4312	9541	76908	7876	9541	1	Si
173	0.068	7.6	0	4085	SLD 1	4085	9541	76908	7876	9541	1	Si
231	0.068	7.6	0	3631	SLD 1	3631	9541	76908	7876	9541	1	Si
259	0.068	7.6	0	3404	SLD 1	3404	9541	76908	7876	9541	1	Si
317	0.068	7.6	0	2950	SLD 1	2950	9541	76908	7876	9541	1	Si
375	0.068	7.6	0	2495	SLD 1	2495	9541	76908	7876	9541	1	Si
375	0.068	7.6	0	-310	SLD 15	-310	-9541	-76908	-7876	-9541	1	Si
432	0.068	7.6	0	2041	SLD 1	2041	9541	76908	7876	9541	1	Si
432	0.068	7.6	0	-764	SLD 15	-764	-9541	-76908	-7876	-9541	1	Si
490	0.068	7.6	0	1587	SLD 1	1587	9541	76908	7876	9541	1	Si
490	0.068	7.6	0	-1218	SLD 15	-1218	-9541	-76908	-7876	-9541	1	Si
548	0.068	7.6	0	1133	SLD 1	1133	9541	76908	7876	9541	1	Si
548	0.068	7.6	0	-1672	SLD 15	-1672	-9541	-76908	-7876	-9541	1	Si
605	0.068	7.6	0	679	SLD 1	679	9541	76908	7876	9541	1	Si
605	0.068	7.6	0	-2126	SLD 15	-2126	-9541	-76908	-7876	-9541	1	Si
663	0.068	11.4	0	225	SLD 1	225	10922	76908	7876	10922	1	Si
663	0.068	7.6	0	-2580	SLD 15	-2580	-9541	-76908	-7876	-9541	1	Si
692	0.068	7.6	0	-2807	SLD 15	-2807	-9541	-76908	-7876	-9541	1	Si
750	0.068	7.6	0	-3262	SLD 15	-3262	-9541	-76908	-7876	-9541	1	Si
807	0.068	15.11	0	-3716	SLD 15	-3716	-11997	-76908	-7876	-11997	1	Si
837	0.068	15.21	0	-3953	SLD 15	-3953	-12021	-76908	-7876	-12021	1	Si
865	0	15.21	0	-4170	SLD 15	-4170	-12021	-76908	0	-12021	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-731047	1	-685858	19.7	124.5	525.7	1837	-731047	1	-685858	19.7	93.4	0	+∞	Si
23	-642102	1	-642102	18.4	124.5	492.2	1837	-642102	1	-642102	18.4	93.4	0	+∞	Si
58	-509631	1	-618001	18.4	124.5	549.5	1837	-509631	1	-618001	18.4	93.4	0	+∞	Si
115	-314403	1	-409571	13.4	124.5	462.5	1837	-314403	1	-409571	13.4	93.4	0	+∞	Si
173	-145362	1	-227330	8	124.5	312.4	1837	-145362	1	-227330	8	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
231	7056	9	67531	1.6	124.5	23.9	1837	2453	2	63871	2.7	93.4	0	+∞	Si
231	-2510	1	-71276	1.7	124.5	25.2	1837	-2510	1	-71276	3	93.4	0	+∞	Si
259	67092	9	121114	2.9	124.5	42.8	1837	63425	2	118242	5	93.4	0	+∞	Si
317	168115	3	209239	4.9	124.5	73.9	1837	165727	2	207344	8.8	93.4	0	+∞	Si
375	243253	3	271176	6.4	124.5	95.8	1837	241843	2	270258	11.4	93.4	0	+∞	Si
432	292204	3	307134	7.2	124.5	108.5	1837	291770	2	307098	13	93.4	0	+∞	Si
490	316252	1	318935	7.5	124.5	112.7	1837	316252	1	318935	13.5	93.4	0	+∞	Si
548	315071	1	318935	7.5	124.5	112.7	1837	315071	1	318935	13.5	93.4	0	+∞	Si
605	287703	1	304746	11.1	124.5	453.7	1837	287703	1	304746	11.1	93.4	0	+∞	Si
663	234146	1	264391	9.6	124.5	393.7	1837	234146	1	264391	9.6	93.4	0	+∞	Si
692	197548	1	234393	8.5	124.5	349	1837	197548	1	234393	8.5	93.4	0	+∞	Si
750	104709	1	154756	5.1	124.5	229.2	1837	104709	1	154756	5.1	93.4	0	+∞	Si
807	-36162	9	-107701	3.4	124.5	121.1	1837	-22033	2	-92629	2.9	93.4	0	+∞	Si
837	-110647	9	-110647	3.4	124.5	124.4	1837	-95539	2	-95539	3	93.4	0	+∞	Si
865	-184517	9	-146165	4.6	124.5	164.4	1837	-168515	2	-130610	4.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
23	0	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	2	-0.001	2	9999	Si
58	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
115	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
173	0.013	0.012	0.011	0.01	0.012	0.012	0.011	0.01	0.012	0.012	0.029	2	0.028	2	9999	Si
231	0.021	0.021	0.019	0.018	0.021	0.021	0.018	0.018	0.021	0.021	0.049	2	0.048	2	9999	Si
259	0.026	0.025	0.023	0.022	0.025	0.025	0.022	0.022	0.025	0.025	0.059	2	0.058	2	9999	Si
317	0.034	0.033	0.03	0.029	0.033	0.033	0.03	0.029	0.033	0.033	0.078	2	0.078	2	9999	Si
375	0.04	0.039	0.036	0.035	0.04	0.04	0.036	0.035	0.04	0.04	0.094	2	0.093	2	9218	Si
432	0.044	0.044	0.04	0.039	0.044	0.044	0.039	0.039	0.044	0.044	0.104	2	0.104	2	8313	Si
490	0.046	0.045	0.041	0.04	0.046	0.046	0.041	0.041	0.046	0.046	0.108	2	0.108	2	8014	Si
548	0.045	0.044	0.04	0.039	0.045	0.045	0.04	0.04	0.045	0.045	0.105	1	0.105	1	8231	Si
605	0.041	0.04	0.036	0.036	0.041	0.041	0.036	0.036	0.041	0.041	0.096	1	0.095	1	9053	Si
663	0.034	0.033	0.031	0.03	0.034	0.034	0.031	0.03	0.034	0.034	0.08	1	0.08	1	9999	Si
692	0.03	0.029	0.027	0.026	0.03	0.03	0.027	0.027	0.03	0.03	0.07	1	0.07	1	9999	Si
750	0.021	0.02	0.018	0.018	0.021	0.021	0.018	0.018	0.021	0.021	0.048	1	0.048	1	9999	Si
807	0.01	0.01	0.009	0.009	0.01	0.01	0.009	0.009	0.01	0.01	0.024	1	0.024	1	9999	Si
837	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	1	0.011	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3867	3994	12021	SLV 1	0.57	2474	1.666	-632563	1167118	971715	SLV 15	0.49	1609	1.397	Si
58	3591	3994	12021	SLV 1	0.57	2474	1.666	-608596	1147859	1072619	SLV 15	0.52	1907	1.498	Si
115	3136	3994	11229	SLV 1	0.57	2474	1.666	-306905	874266	971252	SLV 15	0.52	1898	1.495	Si
173	2682	3994	9541	SLV 1	0.57	2474	1.666	-220460	784269	970954	SLV 15	0.54	2103	1.559	Si
231	2228	3994	9541	SLV 1	0.57	2474	1.666	-65674	-603376	-970067	SLV 1	0.53	2029	1.536	Si
259	2001	3994	9541	SLV 1	0.57	2474	1.666	1898	513433	970067	SLV 15	0.57	2474	1.666	Si
317	1547	3994	9541	SLV 1	0.57	2474	1.666	117403	335914	970067	SLV 15	0.57	2474	1.666	Si
375	1093	3994	9541	SLV 1	0.57	2474	1.666	206719	169855	970067	SLV 15	0.57	2474	1.666	Si
432	639	3994	9541	SLV 1	0.57	2474	1.666	306983	248582	970067	SLV 1	0.57	2474	1.666	Si
490	185	3994	9541	SLV 1	0.57	2474	1.666	317521	422936	970067	SLV 1	0.55	2192	1.586	Si
548	-270	-3994	-9541	SLV 15	0.57	2474	1.666	301871	602286	970067	SLV 1	0.4	917	1.109	Si
605	-724	-3994	-9541	SLV 15	0.57	2474	1.666	260033	783217	1422093	SLV 1	0.53	1975	1.519	Si
663	-1178	-3994	-9541	SLV 15	0.57	2474	1.666	192008	-964844	-970824	SLV 15	0.43	1135	1.211	Si
692	-1405	-3994	-9541	SLV 15	0.57	2474	1.666	148174	-1055807	-970824	SLV 15	0.38	820	1.06	Si
750	-1859	-3994	-9541	SLV 15	0.57	2474	1.666	40867	1237921	1422107	SLV 1	0.4	929	1.115	Si
807	-2313	-3994	-11997	SLV 15	0.57	2474	1.666	-92629	1420207	1422107	SLV 1	0.39	833	1.066	Si
837	-2551	-3994	-12021	SLV 15	0.57	2474	1.666	-95539	1423675	1422107	SLV 1	0.39	831	1.065	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3867	1403	12021	SLD 1	0.6	2474	4.193	-632563	516469	971715	SLD 15	0.42	1004	2.897	Si
58	3591	1403	12021	SLD 1	0.6	2474	4.193	-608596	507947	1072619	SLD 15	0.44	1191	3.107	Si
115	3136	1403	11229	SLD 1	0.6	2474	4.193	-401434	427419	971252	SLD 15	0.43	1099	3.006	Si
173	2682	1403	9541	SLD 1	0.6	2474	4.193	-220460	347056	970954	SLD 15	0.46	1313	3.234	Si
231	2228	1403	9541	SLD 1	0.6	2474	4.193	-65674	-267009	-970067	SLD 1	0.45	1266	3.186	Si
259	2001	1403	9541	SLD 1	0.6	2474	4.193	1898	227209	970067	SLD 15	0.56	2336	4.095	Si
317	1547	1403	9541	SLD 1	0.6	2474	4.193	117403	148654	970067	SLD 15	0.6	2474	4.193	Si
375	1093	1403	9541	SLD 1	0.6	2474	4.193	206719	75166	970067	SLD 15	0.6	2474	4.193	Si
432	639	1403	9541	SLD 1	0.6	2474	4.193	306983	109977	970067	SLD 1	0.6	2474	4.193	Si
490	185	1403	9541	SLD 1	0.6	2474	4.193	317521	187131	970067	SLD 1	0.46	1368	3.289	Si
548	-270	-1403	-9541	SLD 15	0.6	2474	4.193	301871	266495	970067	SLD 1	0.34	594	2.336	Si
605	-724	-1403	-9541	SLD 15	0.6	2474	4.193	260033	346559	1422093	SLD 1	0.45	1233	3.152	Si
663	-1178	-1403	-9541	SLD 15	0.6	2474	4.193	192008	-426930	-970824	SLD 15	0.37	726	2.536	Si
692	-1405	-1403	-9541	SLD 15	0.6	2474	4.193	148174	-467181	-970824	SLD 15	0.32	532	2.233	Si
750	-1859	-1403	-9541	SLD 15	0.6	2474	4.193	40867	547768	1422107	SLD 1	0.34	602	2.349	Si
807	-2313	-1403	-11997	SLD 15	0.6	2474	4.193	-92629	628430	1422107	SLD 1	0.33	541	2.248	Si
837	-2551	-1403	-12021	SLD 15	0.6	2474	4.193	-95539	629965	1422107	SLD 1	0.33	540	2.246	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 36A-38

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5

Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 36A - 36B, sezione R 45x70, asta 810

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	5.4						-472345	SLU 30	-381794	-2772667	0.095	Si
22	22.81	5.4	22.81	5.4						-304252	SLU 30	-304252	-2772667	0.095	Si
23	22.81	5.4	22.81	5.4						-301015	SLU 30	-301015	-2772667	0.095	Si
44	22.81	5.4	22.81	5.4	-102570	SLU 1	16701	2772667	0.095	-155089	SLU 30	-301015	-2772667	0.095	Si
66	21.43	5.4	22.81	5.4	-14863	SLU 11	118749	2772665	0.096	-40722	SLU 26	-201187	-2609966	0.093	Si
77	20.4	5.4	22.81	5.4	34584	SLU 11	164280	2772803	0.096	1328	SLU 26	-131020	-2487038	0.092	Si
99	18.32	5.4	22.81	5.4	136309	SLU 29	241145	2772950	0.098	60144	SLU 8	-25514	-2241057	0.09	Si
121	15.21	5.4	22.81	5.4	219215	SLU 29	299078	2773116	0.1						Si
143	15.21	5.4	22.81	5.4	283191	SLU 29	338080	2773116	0.1						Si
165	15.21	5.4	22.81	5.4	328235	SLU 29	358151	2773116	0.1						Si
187	15.21	5.4	22.81	5.4	354348	SLU 29	361530	2773116	0.1						Si
209	15.21	5.4	22.81	5.4	361530	SLU 29	361530	2773116	0.1						Si
231	15.21	5.4	22.81	5.4	349781	SLU 29	361530	2773116	0.1						Si
242	15.21	5.4	22.81	5.4	336807	SLU 29	360261	2773116	0.1						Si
264	15.21	5.4	22.81	5.4	296661	SLU 29	345089	2773116	0.1						Si
286	15.21	5.4	22.81	5.4	237584	SLU 29	310985	2773116	0.1						Si
308	15.21	5.4	22.81	5.4	161311	SLU 29	259292	2773116	0.1						Si
309	15.21	5.4	22.81	5.4	159571	SLU 29	159495	2773116	0.1						Si
331	15.21	5.4	22.81	5.4	62398	SLU 29	62398	2773116	0.1						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	5.4	2112397	SLV 15	2009974	2772667	0.095	-2765413	SLV 1	-2608807	-2772667	0.095	Si
22	22.81	5.4	22.81	5.4	2048956	SLV 13	2048704	2772667	0.095	-2473512	SLV 3	-2473337	-2772667	0.095	Si
23	22.81	5.4	22.81	5.4	2047421	SLV 13	2047421	2772667	0.095	-2467580	SLV 3	-2467580	-2772667	0.095	Si
44	22.81	5.4	22.81	5.4	1972797	SLV 13	2047421	2772667	0.095	-2194667	SLV 3	-2467580	-2772667	0.095	Si
66	21.43	5.4	22.81	5.4	1883966	SLV 13	1998118	2772665	0.096	-1928923	SLV 3	-2282623	-2609966	0.093	Si
77	20.4	5.4	22.81	5.4	1834817	SLV 13	1957305	2772803	0.096	-1800983	SLV 3	-2146019	-2487038	0.092	Si
99	18.32	5.4	22.81	5.4	1727098	SLV 13	1866191	2772950	0.098	-1555012	SLV 3	-1882653	-2241057	0.09	Si
121	15.21	5.4	22.81	5.4	1606892	SLV 13	1762478	2773116	0.1	-1322329	SLV 3	-1632462	-1872416	0.087	Si
143	15.21	5.4	22.81	5.4	1474306	SLV 13	1646250	2773116	0.1	-1103038	SLV 3	-1395530	-1872416	0.087	Si
165	15.21	5.4	22.81	5.4	1329455	SLV 13	1517607	2773116	0.1	-897256	SLV 3	-1171956	-1872416	0.087	Si
187	15.21	5.4	22.81	5.4	1172448	SLV 13	1376661	2773116	0.1	-705093	SLV 3	-961853	-1872416	0.087	Si
209	15.21	5.4	22.81	5.4	1003367	SLV 13	1223526	2773116	0.1	-526628	SLV 3	-765335	-1872416	0.087	Si
231	15.21	5.4	22.81	5.4	822257	SLV 13	1058294	2773116	0.1	-361908	SLV 3	-582493	-1872416	0.087	Si
242	15.21	5.4	22.81	5.4	727203	SLV 13	971160	2773116	0.1	-284715	SLV 3	-496220	-1872416	0.087	Si
264	15.21	5.4	22.81	5.4	528211	SLV 13	787880	2773116	0.1	-140774	SLV 3	-333990	-1872416	0.087	Si
286	15.21	5.4	22.81	5.4	318523	SLV 13	592658	2773116	0.1	-11911	SLV 3	-185594	-1872416	0.087	Si
308	15.21	5.4	22.81	5.4	237613	SLV 5	390609	2773116	0.1	-35228	SLV 11	-54308	-1872416	0.087	Si
309	15.21	5.4	22.81	5.4	237987	SLV 5	237785	2773116	0.1	-37979	SLV 11	-37880	-1872416	0.087	Si
331	15.21	5.4	22.81	5.4	295365	SLV 1	249672	2773116	0.1	-228040	SLV 15	-108131	-1872416	0.087	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	5.4	752784	SLD 15	732545	2772667	0.095	-1405800	SLD 1	-1302190	-2772667	0.095	Si
22	22.81	5.4	22.81	5.4	788390	SLD 13	788256	2772667	0.095	-1212946	SLD 3	-1212890	-2772667	0.095	Si
23	22.81	5.4	22.81	5.4	788936	SLD 13	815673	2772667	0.095	-1209095	SLD 3	-1209095	-2772667	0.095	Si
44	22.81	5.4	22.81	5.4	811183	SLD 13	821320	2772667	0.095	-1033053	SLD 3	-1209095	-2772667	0.095	Si
66	21.43	5.4	22.81	5.4	821185	SLD 13	821397	2772665	0.096	-866142	SLD 3	-1089435	-2609966	0.093	Si
77	20.4	5.4	22.81	5.4	821397	SLD 13	821397	2772803	0.096	-787564	SLD 3	-1002283	-2487038	0.092	Si
99	18.32	5.4	22.81	5.4	812264	SLD 13	821397	2772950	0.098	-640179	SLD 3	-837724	-2241057	0.09	Si
121	15.21	5.4	22.81	5.4	790422	SLD 13	816195	2773116	0.1	-505858	SLD 3	-686179	-1872416	0.087	Si
143	15.21	5.4	22.81	5.4	755916	SLD 13	798406	2773116	0.1	-384648	SLD 3	-547685	-1872416	0.087	Si
165	15.21	5.4	22.81	5.4	708799	SLD 13	767938	2773116	0.1	-276601	SLD 3	-422287	-1872416	0.087	Si
187	15.21	5.4	22.81	5.4	649119	SLD 13	724842	2773116	0.1	-181763	SLD 3	-310034	-1872416	0.087	Si
209	15.21	5.4	22.81	5.4	576910	SLD 13	669168	2773116	0.1	-100171	SLD 3	-210977	-1872416	0.087	Si
231	15.21	5.4	22.81	5.4	492194	SLD 13	600956	2773116	0.1	-31846	SLD 3	-125155	-1872416	0.087	Si
242	15.21	5.4	22.81	5.4	445151	SLD 13	562156	2773116	0.1	-2663	SLD 3	-87216	-1872416	0.087	Si
264	15.21	5.4	22.81	5.4	341743	SLD 13	475181	2773116	0.1	45694	SLD 3	-21292	-1872416	0.087	Si
286	15.21	5.4	22.81	5.4	226407	SLD 13	375735	2773116	0.1						Si
308	15.21	5.4	22.81	5.4	161544	SLD 5	266590	2773116	0.1						Si
309	15.21	5.4	22.81	5.4	161045	SLD 5	160929	2773116	0.1						Si
331	15.21	5.4	22.81	5.4	149446	SLD 1	149446	2773116	0.1	-82120	SLD 15	-25914	-1872416	0.087	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	21.43	0	8056	SLU 29	8056	13479	76908	0	13479	1	Si
22	0	19.36	0	7199	SLU 29	7199	13028	76908	0	13028	1	Si
23	0.144	19.36	0	7180	SLU 29	7180	13028	76908	16673	16673	1	Si
44	0.144	15.21	0	6339	SLU 29	6339	12021	76908	16673	16673	1	Si
66	0.144	15.21	0	5480	SLU 29	5480	12021	76908	16673	16673	1	Si
77	0.144	22.81	0	5051	SLU 29	5051	13761	76908	16673	16673	1	Si
99	0.117	22.81	0	4192	SLU 29	4192	13761	76908	13632	13761	1	Si
121	0.117	22.81	0	3333	SLU 29	3333	13761	76908	13632	13761	1	Si
143	0.117	22.81	0	2474	SLU 29	2474	13761	76908	13632	13761	1	Si
165	0.117	22.81	0	1615	SLU 29	1615	13761	76908	13632	13761	1	Si
187	0.117	22.81	0	755	SLU 29	755	13761	76908	13632	13761	1	Si
209	0.117	22.81	0	-107	SLU 36	-107	-13761	-76908	-13632	-13761	1	Si
231	0.117	22.81	0	-963	SLU 30	-963	-13761	-76908	-13632	-13761	1	Si
242	0.072	22.81	0	-1392	SLU 30	-1392	-13761	-76908	-8336	-13761	1	Si
264	0.072	22.81	0	-2251	SLU 30	-2251	-13761	-76908	-8336	-13761	1	Si
286	0.072	22.81	0	-3111	SLU 30	-3111	-13761	-76908	-8336	-13761	1	Si
308	0.072	22.81	0	-3960	SLU 30	-3960	-13761	-76908	-8336	-13761	1	Si
309	0	22.81	0	-3978	SLU 30	-3978	-13761	-76908	0	-13761	1	Si
331	0	22.81	0	-4827	SLU 30	-4827	-13761	-76908	0	-13761	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	21.43	0	13577	SLV 1	15683	13479	76908	0	13479	1	Si
0	0	22.81	0	-2626	SLV 15	-4733	-13761	-76908	0	-13761	1	Si
22	0	19.36	0	12993	SLV 1	15099	13028	76908	0	13028	1	Si
22	0	22.81	0	-3210	SLV 15	-5317	-13761	-76908	0	-13761	1	Si
23	0.144	19.36	0	12980	SLV 1	15087	13028	76908	16673	16673	1	Si
23	0.144	22.81	0	-3223	SLV 15	-5329	-13761	-76908	-16673	-16673	1	Si
44	0.144	15.21	0	12408	SLV 1	14514	12021	76908	16673	16673	1	Si
44	0.144	22.81	0	-3795	SLV 15	-5901	-13761	-76908	-16673	-16673	1	Si
66	0.144	15.21	0	11823	SLV 1	13930	12021	76908	16673	16673	1	Si
66	0.144	22.81	0	-4380	SLV 15	-6486	-13761	-76908	-16673	-16673	1	Si
77	0.144	15.21	0	11531	SLV 1	13637	12021	76908	16673	16673	1	Si
77	0.144	22.81	0	-4672	SLV 15	-6779	-13761	-76908	-16673	-16673	1	Si
99	0.117	15.21	0	10946	SLV 1	13052	12021	76908	13632	13632	1	Si
99	0.117	22.81	0	-5257	SLV 15	-7363	-13761	-76908	-13632	-13761	1	Si
121	0.117	15.21	0	10361	SLV 1	12468	12021	76908	13632	13632	1	Si
121	0.117	22.81	0	-5842	SLV 15	-7948	-13761	-76908	-13632	-13761	1	Si
143	0.117	15.21	0	9776	SLV 1	11883	12021	76908	13632	13632	1	Si
143	0.117	22.81	0	-6427	SLV 15	-8533	-13761	-76908	-13632	-13761	1	Si
165	0.117	15.21	0	9192	SLV 1	11298	12021	76908	13632	13632	1	Si
165	0.117	22.81	0	-7011	SLV 15	-9118	-13761	-76908	-13632	-13761	1	Si
187	0.117	15.21	0	8607	SLV 1	10713	12021	76908	13632	13632	1	Si
187	0.117	22.81	0	-7596	SLV 15	-9703	-13761	-76908	-13632	-13761	1	Si
209	0.117	15.21	0	8022	SLV 1	10128	12021	76908	13632	13632	1	Si
209	0.117	22.81	0	-8181	SLV 15	-10287	-13761	-76908	-13632	-13761	1	Si
231	0.117	15.21	0	7437	SLV 1	9544	12021	76908	13632	13632	1	Si
231	0.117	22.81	0	-8766	SLV 15	-10872	-13761	-76908	-13632	-13761	1	Si
242	0.072	15.21	0	7145	SLV 1	9251	12021	76908	8336	12021	1	Si
242	0.072	22.81	0	-9058	SLV 15	-11165	-13761	-76908	-8336	-13761	1	Si
264	0.072	15.21	0	6560	SLV 1	8666	12021	76908	8336	12021	1	Si
264	0.072	22.81	0	-9643	SLV 15	-11749	-13761	-76908	-8336	-13761	1	Si
286	0.072	22.81	0	5975	SLV 1	8082	13761	76908	8336	13761	1	Si
286	0.072	22.81	0	-10228	SLV 15	-12334	-13761	-76908	-8336	-13761	1	Si
308	0.072	22.81	0	5397	SLV 1	7504	13761	76908	8336	13761	1	Si
308	0.072	22.81	0	-10806	SLV 15	-12912	-13761	-76908	-8336	-13761	1	Si
309	0	22.81	0	5385	SLV 1	7491	13761	76908	0	13761	1	Si
309	0	22.81	0	-10818	SLV 15	-12925	-13761	-76908	0	-13761	1	Si
331	0	22.81	0	4807	SLV 1	6913	13761	76908	0	13761	1	Si
331	0	15.21	0	-11396	SLV 15	-13503	-12021	-76908	0	-12021	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	21.43	0	9060	SLD 1	9060	13479	76908	0	13479	1	Si
22	0	19.36	0	8476	SLD 1	8476	13028	76908	0	13028	1	Si
23	0.144	19.36	0	8464	SLD 1	8464	13028	76908	16673	16673	1	Si
44	0.144	15.21	0	7892	SLD 1	7892	12021	76908	16673	16673	1	Si
66	0.144	15.21	0	7307	SLD 1	7307	12021	76908	16673	16673	1	Si
77	0.144	15.21	0	7014	SLD 1	7014	12021	76908	16673	16673	1	Si
77	0.144	22.81	0	-156	SLD 15	-156	-13761	-76908	-16673	-16673	1	Si
99	0.117	15.21	0	6430	SLD 1	6430	12021	76908	13632	13632	1	Si
99	0.117	22.81	0	-741	SLD 15	-741	-13761	-76908	-13632	-13761	1	Si
121	0.117	15.21	0	5845	SLD 1	5845	12021	76908	13632	13632	1	Si
121	0.117	22.81	0	-1325	SLD 15	-1325	-13761	-76908	-13632	-13761	1	Si
143	0.117	15.21	0	5260	SLD 1	5260	12021	76908	13632	13632	1	Si
143	0.117	22.81	0	-1910	SLD 15	-1910	-13761	-76908	-13632	-13761	1	Si
165	0.117	15.21	0	4675	SLD 1	4675	12021	76908	13632	13632	1	Si
165	0.117	22.81	0	-2495	SLD 15	-2495	-13761	-76908	-13632	-13761	1	Si
187	0.117	15.21	0	4090	SLD 1	4090	12021	76908	13632	13632	1	Si
187	0.117	22.81	0	-3080	SLD 15	-3080	-13761	-76908	-13632	-13761	1	Si
209	0.117	15.21	0	3506	SLD 1	3506	12021	76908	13632	13632	1	Si
209	0.117	22.81	0	-3665	SLD 15	-3665	-13761	-76908	-13632	-13761	1	Si
231	0.117	15.21	0	2921	SLD 1	2921	12021	76908	13632	13632	1	Si
231	0.117	22.81	0	-4249	SLD 15	-4249	-13761	-76908	-13632	-13761	1	Si
242	0.072	22.81	0	2628	SLD 1	2628	13761	76908	8336	13761	1	Si
242	0.072	22.81	0	-4542	SLD 15	-4542	-13761	-76908	-8336	-13761	1	Si
264	0.072	22.81	0	2044	SLD 1	2044	13761	76908	8336	13761	1	Si
264	0.072	22.81	0	-5127	SLD 15	-5127	-13761	-76908	-8336	-13761	1	Si
286	0.072	22.81	0	1459	SLD 1	1459	13761	76908	8336	13761	1	Si
286	0.072	22.81	0	-5711	SLD 15	-5711	-13761	-76908	-8336	-13761	1	Si
308	0.072	22.81	0	881	SLD 1	881	13761	76908	8336	13761	1	Si
308	0.072	22.81	0	-6289	SLD 15	-6289	-13761	-76908	-8336	-13761	1	Si
309	0	22.81	0	868	SLD 1	868	13761	76908	0	13761	1	Si
309	0	22.81	0	-6302	SLD 15	-6302	-13761	-76908	0	-13761	1	Si
331	0	22.81	0	290	SLD 1	290	13761	76908	0	13761	1	Si
331	0	15.21	0	-6880	SLD 15	-6880	-12021	-76908	0	-12021	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-348208	3	-281873	6.7	124.5	212.3	1837	-326508	2	-264967	6.3	93.4	0	+∞	Si
22	-225073	3	-225073	5.4	124.5	169.5	1837	-212278	2	-212278	5.1	93.4	0	+∞	Si
23	-222702	3	-222702	5.3	124.5	167.7	1837	-210079	2	-210079	5	93.4	0	+∞	Si
44	-115814	3	-222702	5.3	124.5	167.7	1837	-110935	2	-210079	5	93.4	0	+∞	Si
66	-30032	8	-149579	3.6	124.5	119.6	1837	-26859	1	-142252	3.5	93.4	0	+∞	Si
77	22930	2	117977	2.9	124.5	89	1837	16917	2	105021	2.6	93.4	0	+∞	Si
99	97499	2	174239	4.4	124.5	131.8	1837	86043	2	157147	3.9	93.4	0	+∞	Si
121	158190	2	216625	5.6	124.5	164.4	1837	142282	2	196386	5.1	93.4	0	+∞	Si
143	205005	2	245134	6.4	124.5	186	1837	185634	2	222738	5.8	93.4	0	+∞	Si
165	237943	2	259765	6.8	124.5	197.1	1837	216099	2	236204	6.1	93.4	0	+∞	Si
187	257003	2	262187	6.8	124.5	198.9	1837	233678	2	238369	6.2	93.4	0	+∞	Si
209	262187	2	262187	6.8	124.5	198.9	1837	238369	2	238369	6.2	93.4	0	+∞	Si
231	253494	2	262187	6.8	124.5	198.9	1837	230174	2	238369	6.2	93.4	0	+∞	Si
242	243943	2	261242	6.8	124.5	198.2	1837	221244	2	237470	6.2	93.4	0	+∞	Si
264	214435	2	250040	6.5	124.5	189.7	1837	193719	2	226945	5.9	93.4	0	+∞	Si
286	171049	2	224960	5.9	124.5	170.7	1837	153306	2	203532	5.3	93.4	0	+∞	Si
308	115060	2	186989	4.9	124.5	141.9	1837	101193	2	168150	4.4	93.4	0	+∞	Si
309	113783	2	113727	3	124.5	86.3	1837	100004	2	99952	2.6	93.4	0	+∞	Si
331	42474	2	42474	1.1	124.5	32.2	1837	33663	2	33663	0.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
22	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
23	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
44	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.008	2	0.007	2	9999	Si
66	0.008	0.006	0.006	0.005	0.008	0.006	0.006	0.005	0.008	0.006	0.013	2	0.011	2	9999	Si
77	0.01	0.007	0.008	0.006	0.009	0.008	0.007	0.006	0.009	0.008	0.016	2	0.013	2	9999	Si
99	0.013	0.01	0.01	0.007	0.012	0.01	0.009	0.007	0.012	0.01	0.02	2	0.017	2	9999	Si
121	0.016	0.012	0.012	0.009	0.015	0.012	0.011	0.009	0.014	0.012	0.025	2	0.021	2	9999	Si
143	0.018	0.014	0.014	0.011	0.017	0.014	0.013	0.011	0.017	0.014	0.029	2	0.025	2	9999	Si
165	0.021	0.016	0.016	0.012	0.019	0.016	0.015	0.012	0.019	0.016	0.033	2	0.028	2	9999	Si
187	0.022	0.017	0.017	0.013	0.021	0.017	0.016	0.013	0.02	0.017	0.036	2	0.03	2	9999	Si
209	0.024	0.018	0.019	0.014	0.022	0.018	0.017	0.014	0.022	0.019	0.038	2	0.033	2	9999	Si
231	0.025	0.019	0.02	0.015	0.023	0.019	0.018	0.015	0.023	0.019	0.04	2	0.034	2	9999	Si
242	0.026	0.019	0.02	0.015	0.024	0.02	0.019	0.015	0.023	0.02	0.041	2	0.035	2	9999	Si
264	0.026	0.02	0.02	0.016	0.024	0.02	0.019	0.016	0.024	0.02	0.042	2	0.036	2	9999	Si
286	0.026	0.02	0.021	0.016	0.025	0.02	0.019	0.016	0.024	0.02	0.043	2	0.037	2	9999	Si
308	0.026	0.02	0.021	0.016	0.025	0.02	0.019	0.016	0.024	0.021	0.043	2	0.037	2	9999	Si
309	0.026	0.02	0.021	0.016	0.025	0.02	0.019	0.016	0.024	0.021	0.043	2	0.037	2	9999	Si
320	0.026	0.02	0.021	0.016	0.025	0.02	0.019	0.016	0.024	0.02	0.043	2	0.037	2	9999	Si
331	0.026	0.02	0.021	0.016	0.025	0.02	0.019	0.016	0.024	0.02	0.043	2	0.037	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	4879	10208	16673	SLV 1	0.42	1015	1.156	-210079	-2257501	-2772667	SLV 3	0.41	969	1.135	Si
44	4306	10208	16673	SLV 1	0.44	1151	1.218	-210079	-2257501	-2772667	SLV 3	0.41	969	1.135	Si
66	3722	10208	16673	SLV 1	0.46	1301	1.28	-142252	-2140370	-2609966	SLV 3	0.42	1010	1.154	Si
77	3429	10208	16673	SLV 1	0.47	1380	1.312	-94357	-2051662	-2487038	SLV 3	0.42	1041	1.169	Si
99	2844	10208	13632	SLV 1	0.38	814	1.056	-8231	-1874422	-2241057	SLV 3	0.43	1101	1.196	Si
121	2260	10208	13632	SLV 1	0.4	926	1.114	65008	-1697470	-1872416	SLV 3	0.41	983	1.141	Si
143	1675	10208	13632	SLV 1	0.42	1053	1.174	125360	-1520890	-1872416	SLV 3	0.47	1426	1.329	Si
165	1090	10208	13632	SLV 1	0.44	1195	1.237	172826	-1344781	-1872416	SLV 3	0.54	2110	1.561	Si
187	505	10208	13632	SLV 1	0.46	1348	1.299	207404	-1169257	-1872416	SLV 3	0.57	2474	1.666	Si
209	-79	-10208	-13761	SLV 15	0.48	1504	1.359	229096	-994431	-1872416	SLV 3	0.57	2474	1.666	Si
231	-664	-10208	-13761	SLV 15	0.46	1340	1.296	237900	-820394	-1872416	SLV 3	0.57	2474	1.666	Si
242	-957	-10208	-13761	SLV 15	0.45	1262	1.264	237470	-733690	-1872416	SLV 3	0.57	2474	1.666	Si
264	-1541	-10208	-13761	SLV 15	0.43	1115	1.202	226945	-560935	-1872416	SLV 3	0.57	2474	1.666	Si
286	-2126	-10208	-13761	SLV 15	0.41	979	1.139	203532	-389126	-1872416	SLV 3	0.57	2474	1.666	Si
308	-2704	-10208	-13761	SLV 15	0.39	864	1.083	101193	-136421	-1872416	SLV 11	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	4879	3585	16673	SLD 1	0.44	1172	3.087	-210079	-999015	-2772667	SLD 3	0.35	628	2.39	Si
44	4306	3585	16673	SLD 1	0.46	1329	3.25	-210079	-999015	-2772667	SLD 3	0.35	628	2.39	Si
66	3722	3585	16673	SLD 1	0.48	1502	3.417	-142252	-947182	-2609966	SLD 3	0.35	652	2.427	Si
77	3429	3585	16673	SLD 1	0.49	1594	3.501	-94357	-907926	-2487038	SLD 3	0.36	671	2.456	Si
99	2844	3585	13632	SLD 1	0.4	926	2.802	-8231	-829493	-2241057	SLD 3	0.36	706	2.507	Si
121	2260	3585	13632	SLD 1	0.42	1063	2.966	65008	-751187	-1872416	SLD 3	0.35	636	2.402	Si
143	1675	3585	13632	SLD 1	0.45	1216	3.134	125360	-673045	-1872416	SLD 3	0.4	896	2.765	Si
165	1090	3585	13632	SLD 1	0.47	1380	3.3	172826	-595112	-1872416	SLD 3	0.46	1316	3.237	Si
187	505	3585	13632	SLD 1	0.49	1557	3.468	207404	-517438	-1872416	SLD 3	0.53	1999	3.842	Si
209	-79	-3585	-13761	SLD 15	0.51	1739	3.629	229096	-440072	-1872416	SLD 3	0.6	2474	4.193	Si
231	-664	-3585	-13761	SLD 15	0.49	1548	3.46	237900	-363055	-1872416	SLD 3	0.6	2474	4.193	Si
242	-957	-3585	-13761	SLD 15	0.48	1457	3.375	237470	-324686	-1872416	SLD 3	0.6	2474	4.193	Si
264	-1541	-3585	-13761	SLD 15	0.45	1287	3.207	226945	-248236	-1872416	SLD 3	0.6	2474	4.193	Si
286	-2126	-3585	-13761	SLD 15	0.43	1130	3.041	203532	-172203	-1872416	SLD 3	0.6	2474	4.193	Si
308	-2704	-3585	-13761	SLD 15	0.41	984	2.873	101193	-60352	-1872416	SLD 11	0.6	2474	4.193	Si

Campata 2 tra i fili 36B - 36C, sezione R 45x70, asta 811

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	5.4	61537	SLU 29	61537	2773116	0.1						Si
22	15.21	5.4	22.81	5.4	173728	SLU 29	281050	2773116	0.1						Si
46	15.21	5.4	22.81	5.4	263055	SLU 29	337072	2773116	0.1						Si
68	15.21	5.4	22.81	5.4	325263	SLU 29	366698	2773116	0.1						Si
80	15.21	5.4	22.81	5.4	346720	SLU 29	371940	2773116	0.1						Si
103	15.21	5.4	22.81	5.4	370646	SLU 30	372997	2773116	0.1						Si
125	21.5	5.4	22.81	5.4	368917	SLU 30	372997	2772712	0.096						Si
148	25.8	5.4	22.81	5.4	341464	SLU 30	371162	2772363	0.094						Si
171	30.1	5.4	27.31	5.4	288289	SLU 30	350789	3304444	0.096						Si
194	30.41	5.4	30.38	5.4	209390	SLU 30	304691	3667539	0.099						Si
217	30.41	5.4	30.41	5.4	108861	SLU 36	232871	3671810	0.099	75607	SLU 1	-69385	-3671810	0.099	Si
239	30.41	5.4	30.41	5.4	17897	SLU 26	136835	3671810	0.099	-32285	SLU 11	-232903	-3671810	0.099	Si
251	30.41	5.4	30.41	5.4	-26025	SLU 8	87070	3671810	0.099	-103109	SLU 29	-324308	-3671810	0.099	Si
274	30.41	5.4	39.44	6.3						-272410	SLU 29	-473014	-3744037	0.108	Si
297	30.41	5.4	41.81	6.5						-473014	SLU 29	-473014	-3762824	0.11	Si
319	30.41	5.4	41.81	6.5						-688181	SLU 29	-626028	-3762824	0.11	Si
342	30.41	5.4	41.81	6.5						-932012	SLU 29	-678854	-3762824	0.11	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	5.4	273358	SLV 1	273358	2773116	0.1	-207396	SLV 15	-207396	-1872416	0.087	Si
22	15.21	5.4	22.81	5.4	623611	SLV 1	1055808	2773116	0.1	-403298	SLV 15	-686661	-1872416	0.087	Si
46	15.21	5.4	22.81	5.4	969424	SLV 1	1381210	2773116	0.1	-625403	SLV 15	-933139	-1872416	0.087	Si
68	15.21	5.4	22.81	5.4	1294942	SLV 1	1686196	2773116	0.1	-863726	SLV 15	-1195039	-1872416	0.087	Si
80	15.21	5.4	22.81	5.4	1451689	SLV 1	1832578	2773116	0.1	-989848	SLV 15	-1332848	-1872416	0.087	Si
103	15.21	5.4	22.81	5.4	1753028	SLV 1	2112999	2773116	0.1	-1255876	SLV 15	-1622067	-1872416	0.087	Si
125	21.5	5.4	22.81	5.4	2037993	SLV 1	2376818	2772712	0.096	-1540121	SLV 15	-1929272	-2618062	0.093	Si
148	25.8	5.4	22.81	5.4	2306402	SLV 1	2623880	2772363	0.094	-1842398	SLV 15	-2254311	-3126750	0.098	Si
171	30.1	5.4	27.31	5.4	2558093	SLV 1	2854064	3304444	0.096	-2162547	SLV 15	-2597060	-3634918	0.1	Si
194	30.41	5.4	30.38	5.4	2792935	SLV 1	3067274	3667539	0.099	-2500436	SLV 15	-2957425	-3671771	0.099	Si
217	30.41	5.4	30.41	5.4	3010827	SLV 1	3263439	3671810	0.099	-2855964	SLV 15	-3335333	-3671810	0.099	Si
239	30.41	5.4	30.41	5.4	3211690	SLV 1	3442504	3671810	0.099	-3229052	SLV 15	-3730732	-3671810	0.099	No
251	30.41	5.4	30.41	5.4	3305717	SLV 1	3525611	3671810	0.099	-3422163	SLV 15	-3934976	-3671810	0.099	No
274	30.41	5.4	39.44	6.3	3480933	SLV 1	3642780	4667269	0.109	-3821489	SLV 15	-4249446	-3744037	0.108	No

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
297	30.41	5.4	41.81	6.5	3642780	SLV 1	3642780	4928711	0.112	-4249446	SLV 15	-4249446	-3762824	0.11	No
319	30.41	5.4	41.81	6.5	3779891	SLV 1	3743335	4928711	0.112	-4672434	SLV 15	-4553153	-3762824	0.11	No
342	30.41	5.4	41.81	6.5	3905274	SLV 1	3778050	4928711	0.112	-5122310	SLV 15	-4658005	-3762824	0.11	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	5.4	139324	SLD 1	139324	2773116	0.1	-73362	SLD 15	-73362	-1872416	0.087	Si
22	15.21	5.4	22.81	5.4	337377	SLD 1	570129	2773116	0.1	-117063	SLD 15	-200981	-1872416	0.087	Si
46	15.21	5.4	22.81	5.4	524897	SLD 1	736128	2773116	0.1	-180876	SLD 15	-288057	-1872416	0.087	Si
68	15.21	5.4	22.81	5.4	693253	SLD 1	883102	2773116	0.1	-262038	SLD 15	-391944	-1872416	0.087	Si
80	15.21	5.4	22.81	5.4	771155	SLD 1	950268	2773116	0.1	-309314	SLD 15	-450539	-1872416	0.087	Si
103	15.21	5.4	22.81	5.4	914347	SLD 1	1071909	2773116	0.1	-417195	SLD 15	-580976	-1872416	0.087	Si
125	21.5	5.4	22.81	5.4	1040652	SLD 1	1176560	2772712	0.096	-542779	SLD 15	-729015	-2618062	0.093	Si
148	25.8	5.4	22.81	5.4	1149988	SLD 1	1264155	2772363	0.094	-685983	SLD 15	-894586	-3126750	0.098	Si
171	30.1	5.4	27.31	5.4	1242284	SLD 1	1334640	3304444	0.096	-846738	SLD 15	-1077636	-3634918	0.1	Si
194	30.41	5.4	30.38	5.4	1317483	SLD 1	1387972	3667539	0.099	-1024984	SLD 15	-1278122	-3671771	0.099	Si
217	30.41	5.4	30.41	5.4	1375540	SLD 1	1424119	3671810	0.099	-1220677	SLD 15	-1496013	-3671810	0.099	Si
239	30.41	5.4	30.41	5.4	1416419	SLD 1	1443058	3671810	0.099	-1433782	SLD 15	-1731286	-3671810	0.099	Si
251	30.41	5.4	30.41	5.4	1430409	SLD 1	1446068	3671810	0.099	-1546856	SLD 15	-1855434	-3671810	0.099	Si
274	30.41	5.4	39.44	6.3	1445477	SLD 1	1446551	4667269	0.109	-1786033	SLD 15	-2049588	-3744037	0.108	Si
297	30.41	5.4	41.81	6.5	1442922	SLD 1	1446551	4928711	0.112	-2049588	SLD 15	-2049588	-3762824	0.11	Si
319	30.41	5.4	41.81	6.5	1423911	SLD 1	1423911	4928711	0.112	-2316454	SLD 15	-2240612	-3762824	0.11	Si
342	30.41	5.4	41.81	6.5	1388946	SLD 1	1388946	4928711	0.112	-2605982	SLD 15	-2306561	-3762824	0.11	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	5497	SLU 30	5497	13761	76908	0	13761	1	Si
22	0.172	22.81	0	4453	SLU 30	4453	13761	76908	20007	20007	1	Si
46	0.172	22.81	0	3309	SLU 30	3309	13761	76908	20007	20007	1	Si
68	0.172	22.81	0	2181	SLU 30	2181	13761	76908	20007	20007	1	Si
80	0.172	22.81	0	1617	SLU 30	1617	13761	76908	20007	20007	1	Si
103	0.172	22.81	0	618	SLU 26	618	13761	76908	19965	19965	1	Si
125	0.172	22.81	0	-656	SLU 29	-656	-13761	-76908	-19965	-19965	1	Si
148	0.172	22.81	0	-1785	SLU 29	-1785	-13761	-76908	-19965	-19965	1	Si
171	0.172	22.81	0	-2913	SLU 29	-2913	-13761	-76908	-19965	-19965	1	Si
194	0.172	22.81	0	-4041	SLU 29	-4041	-13761	-76908	-19965	-19965	1	Si
217	0.172	22.81	0	-5170	SLU 29	-5170	-13761	-76908	-19965	-19965	1	Si
239	0.201	30.1	0	-6298	SLU 29	-6298	-15093	-76908	-23342	-23342	1	Si
251	0.201	30.41	0	-6862	SLU 29	-6862	-15146	-76908	-23342	-23342	1	Si
274	0.201	30.41	0	-7991	SLU 29	-7991	-15146	-76908	-23342	-23342	1	Si
297	0.201	30.41	0	-9148	SLU 29	-9148	-15146	-76908	-23342	-23342	1	Si
319	0	30.41	0	-10247	SLU 29	-10247	-15146	-76908	0	-15146	1	Si
342	0	30.41	0	-11140	SLU 29	-11140	-15146	-76908	0	-15146	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	16405	SLV 3	19693	13761	76908	0	13761	1	Si
0	0	15.21	0	-8884	SLV 13	-12171	-12021	-76908	0	-12021	1	Si
22	0.172	22.81	0	15705	SLV 3	18993	13761	76908	20007	20007	1	Si
22	0.172	15.21	0	-9584	SLV 13	-12871	-12021	-76908	-20007	-20007	1	Si
46	0.172	22.81	0	14936	SLV 3	18224	13761	76908	20007	20007	1	Si
46	0.172	15.21	0	-10353	SLV 13	-13640	-12021	-76908	-20007	-20007	1	Si
68	0.172	22.81	0	14177	SLV 3	17465	13761	76908	20007	20007	1	Si
68	0.172	15.21	0	-11111	SLV 13	-14399	-12021	-76908	-20007	-20007	1	Si
80	0.172	22.81	0	13798	SLV 3	17086	13761	76908	20007	20007	1	Si
80	0.172	15.21	0	-11491	SLV 13	-14778	-12021	-76908	-20007	-20007	1	Si
103	0.172	22.81	0	13039	SLV 3	16327	13761	76908	19965	19965	1	Si
103	0.172	15.21	0	-12249	SLV 13	-15537	-12021	-76908	-19965	-19965	1	Si
125	0.172	22.81	0	12281	SLV 3	15568	13761	76908	19965	19965	1	Si
125	0.172	15.21	0	-13008	SLV 13	-16295	-12021	-76908	-19965	-19965	1	Si
148	0.172	22.81	0	11522	SLV 3	14810	13761	76908	19965	19965	1	Si
148	0.172	15.21	0	-13766	SLV 13	-17054	-12021	-76908	-19965	-19965	1	Si
171	0.172	22.81	0	10764	SLV 3	14051	13761	76908	19965	19965	1	Si
171	0.172	15.21	0	-14525	SLV 13	-17813	-12021	-76908	-19965	-19965	1	Si
194	0.172	22.81	0	10005	SLV 3	13292	13761	76908	19965	19965	1	Si
194	0.172	21.5	0	-15284	SLV 13	-18571	-13493	-76908	-19965	-19965	1	Si
217	0.172	22.81	0	9246	SLV 3	12534	13761	76908	19965	19965	1	Si
217	0.172	25.8	0	-16042	SLV 13	-19330	-14338	-76908	-19965	-19965	1	Si
239	0.201	27.31	0	8488	SLV 3	11775	14611	76908	23342	23342	1	Si
239	0.201	30.1	0	-16801	SLV 13	-20089	-15093	-76908	-23342	-23342	1	Si
251	0.201	28.84	0	8108	SLV 3	11396	14880	76908	23342	23342	1	Si
251	0.201	30.41	0	-17180	SLV 13	-20468	-15146	-76908	-23342	-23342	1	Si
274	0.201	30.41	0	7350	SLV 3	10637	15040	75818	23011	23011	1	Si
274	0.201	30.41	0	-17939	SLV 13	-21227	-15146	-76908	-23342	-23342	1	Si
297	0.201	30.41	0	6571	SLV 3	9859	15020	75610	22948	22948	1	Si
297	0.201	30.41	0	-18717	SLV 13	-22005	-15146	-76908	-23342	-23342	1	Si
319	0	30.41	0	5832	SLV 3	9120	15020	75610	0	15020	1	Si
319	0	30.41	0	-19456	SLV 13	-22744	-15146	-76908	0	-15146	1	Si
342	0	39.44	0	5225	SLV 3	8512	16380	75610	0	16380	1	Si
342	0	30.41	0	-20064	SLV 13	-23351	-15146	-76908	0	-15146	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	9356	SLD 3	9356	13761	76908	0	13761	1	Si
0	0	15.21	0	-1835	SLD 13	-1835	-12021	-76908	0	-12021	1	Si
22	0.172	22.81	0	8656	SLD 3	8656	13761	76908	20007	20007	1	Si
22	0.172	15.21	0	-2535	SLD 13	-2535	-12021	-76908	-20007	-20007	1	Si
46	0.172	22.81	0	7887	SLD 3	7887	13761	76908	20007	20007	1	Si
46	0.172	15.21	0	-3304	SLD 13	-3304	-12021	-76908	-20007	-20007	1	Si
68	0.172	22.81	0	7128	SLD 3	7128	13761	76908	20007	20007	1	Si
68	0.172	15.21	0	-4062	SLD 13	-4062	-12021	-76908	-20007	-20007	1	Si
80	0.172	22.81	0	6749	SLD 3	6749	13761	76908	20007	20007	1	Si
80	0.172	15.21	0	-4442	SLD 13	-4442	-12021	-76908	-20007	-20007	1	Si
103	0.172	22.81	0	5990	SLD 3	5990	13761	76908	19965	19965	1	Si
103	0.172	15.21	0	-5200	SLD 13	-5200	-12021	-76908	-19965	-19965	1	Si
125	0.172	22.81	0	5232	SLD 3	5232	13761	76908	19965	19965	1	Si
125	0.172	15.21	0	-5959	SLD 13	-5959	-12021	-76908	-19965	-19965	1	Si
148	0.172	22.81	0	4473	SLD 3	4473	13761	76908	19965	19965	1	Si
148	0.172	15.21	0	-6718	SLD 13	-6718	-12021	-76908	-19965	-19965	1	Si
171	0.172	22.81	0	3715	SLD 3	3715	13761	76908	19965	19965	1	Si
171	0.172	15.21	0	-7476	SLD 13	-7476	-12021	-76908	-19965	-19965	1	Si
194	0.172	22.81	0	2956	SLD 3	2956	13761	76908	19965	19965	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
194	0.172	21.5	0	-8235	SLD 13	-8235	-13493	-76908	-19965	-19965	1	Si
217	0.172	22.81	0	2197	SLD 3	2197	13761	76908	19965	19965	1	Si
217	0.172	25.8	0	-8993	SLD 13	-8993	-14338	-76908	-19965	-19965	1	Si
239	0.201	27.31	0	1439	SLD 3	1439	14611	76908	23342	23342	1	Si
239	0.201	30.1	0	-9752	SLD 13	-9752	-15093	-76908	-23342	-23342	1	Si
251	0.201	28.84	0	1059	SLD 3	1059	14880	76908	23342	23342	1	Si
251	0.201	30.41	0	-10131	SLD 13	-10131	-15146	-76908	-23342	-23342	1	Si
274	0.201	30.41	0	301	SLD 3	301	15040	75818	23011	23011	1	Si
274	0.201	30.41	0	-10890	SLD 13	-10890	-15146	-76908	-23342	-23342	1	Si
297	0.201	30.41	0	-11668	SLD 13	-11668	-15146	-76908	-23342	-23342	1	Si
319	0	30.41	0	-12407	SLD 13	-12407	-15146	-76908	0	-15146	1	Si
342	0	30.41	0	-13015	SLD 13	-13015	-15146	-76908	0	-15146	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	41807	2	41807	1.1	124.5	31.7	1837	32981	2	32981	0.9	93.4	0	+∞	Si
22	124290	2	203407	5.3	124.5	154.3	1837	110157	2	184574	4.8	93.4	0	+∞	Si
46	190111	2	244929	6.4	124.5	185.8	1837	172011	2	224035	5.8	93.4	0	+∞	Si
68	236137	2	267170	6.9	124.5	202.7	1837	215608	2	245579	6.4	93.4	0	+∞	Si
80	252112	2	271303	7.1	124.5	205.9	1837	230921	2	249865	6.5	93.4	0	+∞	Si
103	270189	3	272212	7.1	124.5	206.6	1837	248576	2	250918	6.5	93.4	0	+∞	Si
125	269544	3	272212	6.6	124.5	205.3	1837	248936	2	250918	6.1	93.4	0	+∞	Si
148	250131	3	271012	6.3	124.5	203.7	1837	232002	2	250027	5.8	93.4	0	+∞	Si
171	211951	3	256764	5.4	124.5	161.7	1837	197773	2	237852	5	93.4	0	+∞	Si
194	155003	3	223749	4.5	124.5	127.1	1837	146250	2	208382	4.2	93.4	0	+∞	Si
217	82017	9	171966	3.5	124.5	97.6	1837	77432	2	161618	3.3	93.4	0	+∞	Si
239	8975	8	102420	2.1	124.5	58.1	1837	3616	1	97559	2	93.4	0	+∞	Si
239	-16879	2	-165482	3.3	124.5	93.9	1837	-8681	2	-144114	2.9	93.4	0	+∞	Si
251	-71282	2	-231851	4.7	124.5	131.6	1837	-58223	2	-204683	4.1	93.4	0	+∞	Si
274	-194163	2	-339865	6.5	124.5	193.1	1837	-170278	2	-303333	5.8	93.4	0	+∞	Si
297	-339865	2	-339865	6.4	124.5	193.1	1837	-303333	2	-303333	5.7	93.4	0	+∞	Si
319	-496227	2	-451034	8.5	124.5	256.3	1837	-446272	2	-404909	7.6	93.4	0	+∞	Si
342	-673517	2	-489413	9.2	124.5	278.1	1837	-608518	2	-439978	8.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.026	0.02	0.021	0.016	0.025	0.02	0.019	0.016	0.024	0.02	0.043	2	0.037	2	9999	Si
22	0.026	0.02	0.021	0.016	0.025	0.021	0.019	0.016	0.024	0.021	0.043	2	0.037	2	9999	Si
46	0.026	0.02	0.021	0.016	0.025	0.021	0.019	0.016	0.024	0.021	0.043	2	0.037	2	9999	Si
68	0.026	0.02	0.02	0.016	0.024	0.02	0.019	0.016	0.024	0.02	0.042	2	0.036	2	9999	Si
80	0.026	0.02	0.02	0.015	0.024	0.02	0.019	0.016	0.024	0.02	0.041	2	0.035	2	9999	Si
103	0.025	0.019	0.019	0.015	0.023	0.02	0.018	0.015	0.023	0.02	0.039	2	0.034	2	9999	Si
125	0.023	0.019	0.018	0.014	0.022	0.019	0.017	0.014	0.021	0.019	0.037	2	0.032	2	9999	Si
148	0.022	0.017	0.016	0.013	0.02	0.017	0.015	0.013	0.02	0.017	0.034	2	0.029	2	9999	Si
171	0.019	0.016	0.014	0.012	0.018	0.016	0.014	0.012	0.018	0.016	0.03	2	0.026	2	9999	Si
194	0.017	0.014	0.012	0.01	0.016	0.014	0.012	0.01	0.016	0.014	0.026	2	0.023	2	9999	Si
217	0.014	0.011	0.01	0.008	0.013	0.011	0.01	0.008	0.013	0.011	0.022	2	0.019	2	9999	Si
239	0.011	0.009	0.008	0.007	0.01	0.009	0.008	0.007	0.01	0.009	0.017	2	0.015	2	9999	Si
251	0.01	0.008	0.007	0.006	0.009	0.008	0.007	0.006	0.009	0.008	0.015	2	0.013	2	9999	Si
274	0.007	0.005	0.005	0.004	0.006	0.005	0.004	0.004	0.006	0.005	0.01	2	0.009	2	9999	Si
297	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.004	0.003	0.006	2	0.005	2	9999	Si
319	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
22	3061	15932	20007	SLV 3	0.39	827	1.063	110157	-513454	-1872416	SLV 15	0.57	2474	1.666	Si
46	2292	15932	20007	SLV 3	0.4	922	1.112	224035	-1157174	-1872416	SLV 15	0.57	2474	1.666	Si
68	1533	15932	20007	SLV 3	0.42	1025	1.161	245579	-1440617	-1872416	SLV 15	0.52	1927	1.504	Si
80	1154	15932	20007	SLV 3	0.43	1082	1.187	249865	-1582713	-1872416	SLV 15	0.48	1506	1.36	Si
103	395	15932	19965	SLV 3	0.44	1194	1.236	245466	-1867533	-1872416	SLV 15	0.41	967	1.134	Si
125	-364	-15932	-19965	SLV 13	0.44	1199	1.238	223773	2153045	2772712	SLV 1	0.43	1083	1.188	Si
148	-1122	-15932	-19965	SLV 13	0.43	1080	1.186	184785	2439096	2772363	SLV 1	0.39	822	1.061	Si
171	-1881	-15932	-19965	SLV 13	0.41	969	1.135	128502	2725562	3304444	SLV 1	0.42	1038	1.167	Si
194	-2639	-15932	-19965	SLV 13	0.39	873	1.087	54925	3012350	3667539	SLV 1	0.43	1121	1.205	Si
217	-3398	-15932	-19965	SLV 13	0.38	783	1.04	-35947	-3299386	-3671810	SLV 15	0.4	902	1.102	Si
239	-4157	-15932	-23342	SLV 13	0.43	1133	1.21	-144114	-3586618	-3671810	SLV 15	0.36	683	0.983	No
251	-4536	-15932	-23342	SLV 13	0.43	1074	1.184	-204683	-3730293	-3671810	SLV 15	0.34	596	0.93	No
274	-5295	-15932	-23342	SLV 13	0.41	964	1.132	-303333	-3946113	-3744037	SLV 15	0.32	511	0.873	No
297	-6073	-15932	-23342	SLV 13	0.39	866	1.084	-303333	-3946113	-3762824	SLV 15	0.32	518	0.878	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
22	3061	5595	20007	SLD 3	0.41	941	2.821	110157	-227220	-1872416	SLD 15	0.6	2474	4.193	Si
46	2292	5595	20007	SLD 3	0.42	1058	2.96	224035	-512092	-1872416	SLD 15	0.54	2099	3.92	Si
68	1533	5595	20007	SLD 3	0.44	1183	3.098	245579	-637523	-1872416	SLD 15	0.44	1203	3.12	Si
80	1154	5595	20007	SLD 3	0.45	1249	3.168	249865	-700404	-1872416	SLD 15	0.41	942	2.822	Si
103	395	5595	19965	SLD 3	0.47	1378	3.299	245466	-826443	-1872416	SLD 15	0.35	627	2.388	Si
125	-364	-5595	-19965	SLD 13	0.47	1384	3.304	223773	952788	2772712	SLD 1	0.36	696	2.493	Si
148	-1122	-5595	-19965	SLD 13	0.45	1247	3.166	184785	1079371	2772363	SLD 1	0.32	534	2.236	Si
171	-1881	-5595	-19965	SLD 13	0.43	1118	3.028	128502	1206138	3304444	SLD 1	0.36	669	2.453	Si
194	-2639	-5595	-19965	SLD 13	0.42	996	2.887	54925	1333047	3667539	SLD 1	0.37	717	2.523	Si
217	-3398	-5595	-19965	SLD 13	0.4	891	2.759	-35947	-1460066	-3671810	SLD 15	0.34	585	2.321	Si
239	-4157	-5595	-23342	SLD 13	0.46	1308	3.229	-144114	-1587172	-3671810	SLD 15	0.3	449	2.083	Si
251	-4536	-5595	-23342	SLD 13	0.45	1241	3.16	-204683	-1650751	-3671810	SLD 15	0.29	396	1.978	Si
274	-5295	-5595	-23342	SLD 13	0.43	1111	3.02	-303333	-1746255	-3744037	SLD 15	0.27	344	1.867	Si
297	-6073	-5595	-23342	SLD 13	0.41	987	2.877	-303333	-1746255	-3762824	SLD 15	0.27	349	1.878	Si

Campata 3 tra i fili 36C - ?, sezione R 45x70, asta 812

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	41.81	6.5						-2027930	SLU 30	-1688633	-3762824	0.11	Si
21	30.41	5.4	41.81	6.5						-1717085	SLU 30	-1622206	-3762824	0.11	Si
42	30.41	5.4	41.81	6.5						-1424762	SLU 36	-1423977	-3762824	0.11	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
45	30.41	5.4	41.81	6.5						-1389873	SLU 36	-1389873	-3762824	0.11	Si
63	30.41	5.4	41.27	6.5						-1151941	SLU 36	-1389873	-3758449	0.11	Si
85	30.41	5.4	36.99	6.1						-895558	SLU 36	-1252274	-3724483	0.105	Si
95	30.41	5.4	30.41	5.4						-773531	SLU 36	-1118959	-3671810	0.099	Si
116	30.41	5.4	27.56	5.4						-541806	SLU 36	-864658	-3671922	0.1	Si
138	27.33	5.4	22.81	5.4						-326519	SLU 36	-626794	-3308205	0.1	Si
159	23.34	5.4	22.81	5.4	-89989	SLU 1	119784	2772603	0.095	-127671	SLU 36	-405370	-2835987	0.095	Si
180	15.21	5.4	22.81	5.4	57522	SLU 30	279880	2773116	0.1	33117	SLU 1	-200384	-1872416	0.087	Si
201	15.21	5.4	22.81	5.4	221018	SLU 36	431923	2773116	0.1	146243	SLU 1	-18648	-1872416	0.087	Si
222	15.21	5.4	22.81	5.4	376416	SLU 36	574978	2773116	0.1						Si
243	22.47	6.7	31.58	6	522827	SLU 36	709047	3785728	0.136						Si
254	23.96	6.9	34.43	6.1	592663	SLU 36	772711	4093802	0.145						Si
275	26.61	7.1	38.01	6.2	725593	SLU 36	841861	4478366	0.155						Si
295	26.61	7.1	38.01	6.2	841861	SLU 36	841861	4478366	0.155						Si
296	26.61	7.1	38.01	6.2	849525	SLU 36	849174	4478366	0.155						Si
317	26.61	7.1	38.01	6.2	960329	SLU 36	905450	4478366	0.155						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	41.81	6.5	5092330	SLV 13	4586479	4928711	0.112	-7992593	SLV 3	-7007422	-3762824	0.11	No
21	30.41	5.4	41.81	6.5	4610687	SLV 13	4468641	4928711	0.112	-7071397	SLV 3	-6795301	-3762824	0.11	No
42	30.41	5.4	41.81	6.5	4117172	SLV 13	4115128	4928711	0.112	-6162108	SLV 3	-6158940	-3762824	0.11	No
45	30.41	5.4	41.81	6.5	4053875	SLV 13	4053875	4928711	0.112	-6048678	SLV 3	-6048678	-3762824	0.11	No
63	30.41	5.4	41.27	6.5	3611790	SLV 13	4053875	4868468	0.112	-5264732	SLV 3	-6048678	-3758449	0.11	No
85	30.41	5.4	36.99	6.1	3094556	SLV 13	3801600	4397377	0.106	-4379283	SLV 3	-5598687	-3724483	0.105	No
95	30.41	5.4	30.41	5.4	2831500	SLV 13	3546676	3671808	0.099	-3941036	SLV 3	-5152244	-3671810	0.099	No
116	30.41	5.4	27.56	5.4	2296534	SLV 13	3027943	3334535	0.096	-3073523	SLV 3	-4268306	-3671922	0.1	No
138	27.33	5.4	22.81	5.4	1749824	SLV 13	2497383	2772287	0.093	-2218045	SLV 3	-3396321	-3308205	0.1	No
159	23.34	5.4	22.81	5.4	1191558	SLV 13	1955049	2772603	0.095	-1374790	SLV 3	-2536340	-2835987	0.095	Si
180	15.21	5.4	22.81	5.4	622548	SLV 13	1401069	2773116	0.1	-544570	SLV 3	-1688492	-1872416	0.087	Si
201	15.21	5.4	22.81	5.4	318617	SLV 1	1400326	2773116	0.1	-2773	SLV 15	-853249	-1872416	0.087	Si
222	15.21	5.4	22.81	5.4	1101476	SLV 1	2200564	2773116	0.1	-563675	SLV 15	-1379796	-1872416	0.087	Si
243	22.47	6.7	31.58	6	1902170	SLV 3	2996298	3785728	0.136	-1155637	SLV 13	-1984963	-2709593	0.099	Si
254	23.96	6.9	34.43	6.1	2301748	SLV 3	3391912	4093802	0.145	-1455808	SLV 13	-2290253	-2886180	0.101	Si
275	26.61	7.1	38.01	6.2	3096772	SLV 3	3836027	4478366	0.155	-2061939	SLV 13	-2636398	-3192221	0.105	Si
295	26.61	7.1	38.01	6.2	3836027	SLV 3	3836027	4478366	0.155	-2636398	SLV 13	-2636398	-3192221	0.105	Si
296	26.61	7.1	38.01	6.2	3885617	SLV 3	3884081	4478366	0.155	-2675133	SLV 13	-2674101	-3192221	0.105	Si
317	26.61	7.1	38.01	6.2	4665099	SLV 3	4253870	4478366	0.155	-3298056	SLV 13	-2964229	-3192221	0.105	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	41.81	6.5	1445141	SLD 13	1354885	4928711	0.112	-4345404	SLD 3	-3775829	-3762824	0.11	No
21	30.41	5.4	41.81	6.5	1354515	SLD 13	1329018	4928711	0.112	-3815225	SLD 3	-3655678	-3762824	0.11	Si
42	30.41	5.4	41.81	6.5	1252006	SLD 13	1251416	4928711	0.112	-3296943	SLD 3	-3295227	-3762824	0.11	Si
45	30.41	5.4	41.81	6.5	1237970	SLD 13	1237970	4928711	0.112	-3232772	SLD 3	-3232772	-3762824	0.11	Si
63	30.41	5.4	41.27	6.5	1137619	SLD 13	1237970	4868468	0.112	-2790561	SLD 3	-3232772	-3758449	0.11	Si
85	30.41	5.4	36.99	6.1	1011358	SLD 13	1181438	4397377	0.106	-2296085	SLD 3	-2978526	-3724483	0.105	Si
95	30.41	5.4	30.41	5.4	943778	SLD 13	1122008	3671808	0.099	-2053314	SLD 3	-2727576	-3671810	0.099	Si
116	30.41	5.4	27.56	5.4	799728	SLD 13	994245	3334535	0.096	-1576717	SLD 3	-2234608	-3671922	0.1	Si
138	27.33	5.4	22.81	5.4	643852	SLD 13	854620	2772287	0.093	-1112073	SLD 3	-1753557	-3308205	0.1	Si
159	23.34	5.4	22.81	5.4	476231	SLD 13	703155	2772603	0.095	-659463	SLD 3	-1284446	-2835987	0.095	Si
180	15.21	5.4	22.81	5.4	297220	SLD 13	539907	2773116	0.1	-219242	SLD 3	-827331	-1872416	0.087	Si
201	15.21	5.4	22.81	5.4	228935	SLD 1	791642	2773116	0.1	86908	SLD 15	-382416	-1872416	0.087	Si
222	15.21	5.4	22.81	5.4	637320	SLD 1	1202584	2773116	0.1	-99519	SLD 15	-381816	-1872416	0.087	Si
243	22.47	6.7	31.58	6	1049842	SLD 3	1607843	3785728	0.136	-303308	SLD 13	-596508	-2709593	0.099	Si
254	23.96	6.9	34.43	6.1	1254378	SLD 3	1808093	4093802	0.145	-408438	SLD 13	-706433	-2886180	0.101	Si
275	26.61	7.1	38.01	6.2	1658856	SLD 3	2031937	4478366	0.155	-624023	SLD 13	-832308	-3192221	0.105	Si
295	26.61	7.1	38.01	6.2	2031937	SLD 3	2031937	4478366	0.155	-832308	SLD 13	-832308	-3192221	0.105	Si
296	26.61	7.1	38.01	6.2	2056908	SLD 3	2056088	4478366	0.155	-846424	SLD 13	-846108	-3192221	0.105	Si
317	26.61	7.1	38.01	6.2	2445495	SLD 3	2241937	4478366	0.155	-1078451	SLD 13	-952295	-3192221	0.105	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	15098	SLU 30	15098	15146	76908	0	15146	1	Si
21	0	30.41	0	14273	SLU 30	14273	15146	76908	0	15146	1	Si
42	0	30.41	0	13448	SLU 30	13448	15146	76908	0	15146	1	Si
45	0.474	30.41	0	13344	SLU 30	13344	15146	76908	55020	55020	1	Si
63	0.474	29.33	0	12623	SLU 30	12623	14964	76908	55020	55020	1	Si
85	0.474	25.34	0	11798	SLU 30	11798	14252	76908	55020	55020	1	Si
95	0.474	23.34	0	11385	SLU 30	11385	13868	76908	55020	55020	1	Si
116	0.439	15.21	0	10560	SLU 30	10560	12021	76908	50928	50928	1	Si
138	0.439	15.21	0	9783	SLU 36	9783	12021	76908	50928	50928	1	Si
159	0.439	15.21	0	9006	SLU 36	9006	12021	76908	50928	50928	1	Si
180	0.439	27.56	0	8229	SLU 36	8229	14657	76908	50928	50928	1	Si
201	0.439	22.81	0	7554	SLU 36	7554	13761	76908	50928	50928	1	Si
222	0.439	22.81	0	7129	SLU 36	7129	13761	76908	50928	50928	1	Si
243	0.416	22.81	0	6705	SLU 36	6705	13703	76247	47935	47935	1	Si
254	0.416	22.81	0	6492	SLU 36	6492	13690	76104	47846	47846	1	Si
275	0.416	22.81	0	6068	SLU 36	6068	13677	75956	47752	47752	1	Si
295	0.416	22.81	0	5652	SLU 36	5652	13677	75956	47752	47752	1	Si
296	0	22.81	0	5623	SLU 36	5623	13677	75956	0	13677	1	Si
317	0	34.43	0	4903	SLU 35	4903	15690	75956	0	15690	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	43805	SLV 3	52422	15146	76908	0	15146	1	Si
0	0	41.27	0	-22477	SLV 13	-31094	-16629	-75610	0	-16629	1	Si
21	0	30.41	0	43243	SLV 3	51860	15146	76908	0	15146	1	Si
21	0	36.99	0	-23039	SLV 13	-31655	-16034	-75610	0	-16034	1	Si
42	0	30.41	0	42682	SLV 3	51298	15146	76908	0	15146	1	Si
42	0	28.99	0	-23600	SLV 13	-32217	-14782	-75610	0	-14782	1	Si
45	0.474	30.41	0	42611	SLV 3	51228	15146	76908	55020	55020	1	Si
45	0.474	28.99	0	-23671	SLV 13	-32288	-14782	-75610	-54091	-54091	1	Si
63	0.474	29.33	0	42120	SLV 3	50737	14964	76908	55020	55020	1	Si
63	0.474	26.13	0	-24162	SLV 13	-32779	-14285	-75655	-54124	-54124	1	Si
85	0.474	25.34	0	41558	SLV 3	50175	14252	76908	55020	55020	1	Si
85	0.474	22.81	0	-24724	SLV 13	-33341	-13686	-76061	-54414	-54414	1	Si
95	0.474	23.34	0	41277	SLV 3	49894	13868	76908	55020	55020	1	Si
95	0.474	22.81	0	-25005	SLV 13	-33621	-13761	-76908	-55020	-55020	1	Si
116	0.439	15.21	0	40716	SLV 3	49332	12021	76908	50928	50928	1	Si
116	0.439	22.81	0	-25566	SLV 13	-34183	-13761	-76908	-50928	-50928	1	Si
138	0.439	15.21	0	40154	SLV 3	48771	12021	76908	50928	50928	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
138	0.439	22.81	0	-26128	SLV 13	-34745	-13761	-76908	-50928	-50928	1	Si
159	0.439	15.21	0	39592	SLV 3	48209	12021	76908	50928	50928	1	Si
159	0.439	22.81	0	-26690	SLV 13	-35307	-13761	-76908	-50928	-50928	1	Si
180	0.439	22.47	0	39031	SLV 3	47647	13692	76908	50928	50928	1	Si
180	0.439	27.56	0	-27252	SLV 13	-35868	-14657	-76908	-50928	-50928	1	Si
201	0.439	22.81	0	38540	SLV 3	47157	13761	76908	50928	50928	1	Si
201	0.439	22.81	0	-27742	SLV 13	-36358	-13761	-76908	-50928	-50928	1	Si
222	0.439	22.81	0	38228	SLV 3	46845	13761	76908	50928	50928	1	Si
222	0.439	23.34	0	-28054	SLV 13	-36671	-13868	-76908	-50928	-50928	1	Si
243	0.416	22.81	0	37916	SLV 3	46532	13703	76247	47935	47935	1	Si
243	0.416	15.21	0	-28367	SLV 13	-36983	-11903	-75369	-47383	-47383	1	Si
254	0.416	22.81	0	37759	SLV 3	46376	13690	76104	47846	47846	1	Si
254	0.416	15.21	0	-28523	SLV 13	-37139	-11888	-75168	-47257	-47257	1	Si
275	0.416	22.81	0	37447	SLV 3	46064	13677	75956	47752	47752	1	Si
275	0.416	15.21	0	-28835	SLV 13	-37452	-11865	-74867	-47068	-47068	1	Si
295	0.416	22.81	0	37142	SLV 3	45758	13677	75956	47752	47752	1	Si
295	0.416	20.97	0	-29140	SLV 13	-37757	-13206	-74867	-47068	-47068	1	Si
296	0	22.81	0	37120	SLV 3	45737	13677	75956	0	13677	1	Si
296	0	20.97	0	-29162	SLV 13	-37779	-13206	-74867	0	-13206	1	Si
317	0	34.43	0	36558	SLV 3	45175	15690	75956	0	15690	1	Si
317	0	23.96	0	-29724	SLV 13	-38340	-13807	-74867	0	-13807	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	25330	SLD 3	25330	15146	76908	0	15146	1	Si
0	0	41.27	0	-4002	SLD 13	-4002	-16629	-75610	0	-16629	1	Si
21	0	30.41	0	24768	SLD 3	24768	15146	76908	0	15146	1	Si
21	0	36.99	0	-4564	SLD 13	-4564	-16034	-75610	0	-16034	1	Si
42	0	30.41	0	24207	SLD 3	24207	15146	76908	0	15146	1	Si
42	0	28.99	0	-5125	SLD 13	-5125	-14782	-75610	0	-14782	1	Si
45	0.474	30.41	0	24136	SLD 3	24136	15146	76908	55020	55020	1	Si
45	0.474	28.99	0	-5196	SLD 13	-5196	-14782	-75610	-54091	-54091	1	Si
63	0.474	29.33	0	23645	SLD 3	23645	14964	76908	55020	55020	1	Si
63	0.474	26.13	0	-5687	SLD 13	-5687	-14285	-75655	-54124	-54124	1	Si
85	0.474	25.34	0	23083	SLD 3	23083	14252	76908	55020	55020	1	Si
85	0.474	22.81	0	-6249	SLD 13	-6249	-13686	-76061	-54414	-54414	1	Si
95	0.474	23.34	0	22802	SLD 3	22802	13868	76908	55020	55020	1	Si
95	0.474	22.81	0	-6530	SLD 13	-6530	-13761	-76908	-55020	-55020	1	Si
116	0.439	15.21	0	22241	SLD 3	22241	12021	76908	50928	50928	1	Si
116	0.439	22.81	0	-7091	SLD 13	-7091	-13761	-76908	-50928	-50928	1	Si
138	0.439	15.21	0	21679	SLD 3	21679	12021	76908	50928	50928	1	Si
138	0.439	22.81	0	-7653	SLD 13	-7653	-13761	-76908	-50928	-50928	1	Si
159	0.439	15.21	0	21117	SLD 3	21117	12021	76908	50928	50928	1	Si
159	0.439	22.81	0	-8215	SLD 13	-8215	-13761	-76908	-50928	-50928	1	Si
180	0.439	22.47	0	20556	SLD 3	20556	13692	76908	50928	50928	1	Si
180	0.439	27.56	0	-8777	SLD 13	-8777	-14657	-76908	-50928	-50928	1	Si
201	0.439	22.81	0	20065	SLD 3	20065	13761	76908	50928	50928	1	Si
201	0.439	22.81	0	-9267	SLD 13	-9267	-13761	-76908	-50928	-50928	1	Si
222	0.439	22.81	0	19753	SLD 3	19753	13761	76908	50928	50928	1	Si
222	0.439	23.34	0	-9579	SLD 13	-9579	-13868	-76908	-50928	-50928	1	Si
243	0.416	22.81	0	19441	SLD 3	19441	13703	76247	47935	47935	1	Si
243	0.416	15.21	0	-9892	SLD 13	-9892	-11903	-75369	-47383	-47383	1	Si
254	0.416	22.81	0	19284	SLD 3	19284	13690	76104	47846	47846	1	Si
254	0.416	15.21	0	-10048	SLD 13	-10048	-11888	-75168	-47257	-47257	1	Si
275	0.416	22.81	0	18972	SLD 3	18972	13677	75956	47752	47752	1	Si
275	0.416	15.21	0	-10360	SLD 13	-10360	-11865	-74867	-47068	-47068	1	Si
295	0.416	22.81	0	18667	SLD 3	18667	13677	75956	47752	47752	1	Si
295	0.416	20.97	0	-10665	SLD 13	-10665	-13206	-74867	-47068	-47068	1	Si
296	0	22.81	0	18645	SLD 3	18645	13677	75956	0	13677	1	Si
296	0	20.97	0	-10687	SLD 13	-10687	-13206	-74867	0	-13206	1	Si
317	0	34.43	0	18083	SLD 3	18083	15690	75956	0	15690	1	Si
317	0	23.96	0	-11249	SLD 13	-11249	-13807	-74867	0	-13807	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1513497	3	-1261440	23.7	124.5	716.8	1837	-1450131	2	-1210472	22.8	93.4	0	+∞	Si
21	-1282494	3	-1212007	22.8	124.5	688.7	1837	-1230355	2	-1163330	21.9	93.4	0	+∞	Si
42	-1064998	9	-1064412	20	124.5	604.8	1837	-1022468	2	-1021906	19.2	93.4	0	+∞	Si
45	-1038999	9	-1038999	19.5	124.5	590.4	1837	-997401	2	-997401	18.7	93.4	0	+∞	Si
63	-861662	9	-1038999	19.6	124.5	590.4	1837	-826471	2	-997401	18.8	93.4	0	+∞	Si
85	-670444	9	-936454	18.1	124.5	531.8	1837	-642363	2	-898544	17.4	93.4	0	+∞	Si
95	-579380	9	-837068	16.9	124.5	475	1837	-554768	2	-802784	16.2	93.4	0	+∞	Si
116	-406339	9	-647384	13.5	124.5	368.2	1837	-388495	2	-620182	12.9	93.4	0	+∞	Si
138	-245415	9	-469819	10.6	124.5	297.3	1837	-234111	2	-449469	10.1	93.4	0	+∞	Si
159	-96610	9	-304371	7.2	124.5	224.2	1837	-91616	2	-290646	6.9	93.4	0	+∞	Si
180	41933	3	209075	5.4	124.5	158.6	1837	38989	2	199977	5.2	93.4	0	+∞	Si
201	164870	9	323285	8.4	124.5	245.3	1837	157922	2	308487	8	93.4	0	+∞	Si
222	281583	9	430791	11.2	124.5	326.9	1837	268901	2	410384	10.7	93.4	0	+∞	Si
243	391593	9	531594	12	124.5	301.8	1837	373267	2	505668	11.4	93.4	0	+∞	Si
254	444084	9	579482	12.6	124.5	304.4	1837	422970	2	550830	12	93.4	0	+∞	Si
275	544038	9	631512	13.1	124.5	303.3	1837	517417	2	599814	12.5	93.4	0	+∞	Si
295	631512	9	631512	13.1	124.5	303.3	1837	599814	2	599814	12.5	93.4	0	+∞	Si
296	637279	9	637016	13.2	124.5	305.9	1837	605242	2	604990	12.6	93.4	0	+∞	Si
317	720808	9	679372	14.1	124.5	326.3	1837	683522	2	644821	13.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.006	1	-0.006	1	9999	Si
42	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.01	1	-0.01	1	9999	Si
45	-0.006	-0.007	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.01	1	-0.01	1	9999	Si
63	-0.007	-0.008	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.011	1	-0.012	1	9999	Si
85	-0.007	-0.008	-0.006	-0.007	-0.007	-0.008	-0.006	-0.006	-0.007	-0.008	-0.012	1	-0.013	1	9999	Si
95	-0.007	-0.008	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.012	1	-0.012	1	9999	Si
116	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.011	1	-0.011	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
138	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.009	1	-0.009	1	9999	Si
159	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.007	1	-0.007	1	9999	Si
180	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
201	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
222	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
243	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
254	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.002	2	0.002	2	9999	Si
275	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
295	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
296	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
45	9470	41758	55020	SLV 3	0.4	880	1.091	-997401	-5051276	-3762824	SLV 3	0.21	184	0.574	No
63	8979	41758	55020	SLV 3	0.4	903	1.102	-997401	-5051276	-3758449	SLV 3	0.21	184	0.574	No
85	8417	41758	55020	SLV 3	0.4	930	1.116	-898544	-4700143	-3724483	SLV 3	0.22	226	0.625	No
95	8136	41758	55020	SLV 3	0.41	944	1.123	-802784	-4349460	-3671810	SLV 3	0.25	276	0.678	No
116	7575	41758	50928	SLV 3	0.38	780	1.038	-620182	-3648124	-3671922	SLV 3	0.31	463	0.838	No
138	7013	41758	50928	SLV 3	0.38	804	1.051	-449469	-2946852	-3308205	SLV 3	0.35	661	0.97	No
159	6451	41758	50928	SLV 3	0.39	830	1.065	-290646	-2245694	-2835987	SLV 3	0.41	966	1.133	Si
180	5889	41758	50928	SLV 3	0.39	856	1.078	-143712	-1544780	-1872416	SLV 3	0.41	936	1.119	Si
201	5399	41758	50928	SLV 3	0.4	878	1.09	308487	-1091839	-1872416	SLV 15	0.57	2474	1.666	Si
222	5087	41758	50928	SLV 3	0.4	893	1.097	410384	-1790180	-1872416	SLV 13	0.46	1318	1.287	Si
243	4774	41758	47935	SLV 3	0.38	771	1.033	505668	-2490631	-2709593	SLV 13	0.46	1362	1.305	Si
254	4618	41758	47846	SLV 3	0.38	774	1.035	550830	-2841082	-2886180	SLV 13	0.44	1147	1.216	Si
275	4306	41758	47752	SLV 3	0.38	784	1.04	599814	-3236212	-3192221	SLV 13	0.42	1054	1.174	Si
295	4001	41758	47752	SLV 3	0.38	797	1.047	599814	-3236212	-3192221	SLV 13	0.42	1054	1.174	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
45	9470	14666	55020	SLD 3	0.42	1004	2.897	-997401	-2235371	-3762824	SLD 3	0.17	126	1.237	Si
63	8979	14666	55020	SLD 3	0.42	1034	2.932	-997401	-2235371	-3758449	SLD 3	0.17	126	1.237	Si
85	8417	14666	55020	SLD 3	0.43	1068	2.971	-898544	-2079982	-3724483	SLD 3	0.19	154	1.343	Si
95	8136	14666	55020	SLD 3	0.43	1086	2.992	-802784	-1924792	-3671810	SLD 3	0.21	187	1.454	Si
116	7575	14666	50928	SLD 3	0.4	888	2.755	-620182	-1614427	-3671922	SLD 3	0.26	315	1.801	Si
138	7013	14666	50928	SLD 3	0.4	915	2.789	-449469	-1304089	-3308205	SLD 3	0.3	435	2.056	Si
159	6451	14666	50928	SLD 3	0.41	945	2.826	-290646	-993801	-2835987	SLD 3	0.35	626	2.387	Si
180	5889	14666	50928	SLD 3	0.41	974	2.861	-143712	-683619	-1872416	SLD 3	0.34	607	2.357	Si
201	5399	14666	50928	SLD 3	0.42	1003	2.896	308487	-483156	-1872416	SLD 15	0.59	2474	4.193	Si
222	5087	14666	50928	SLD 3	0.42	1021	2.917	410384	-792200	-1872416	SLD 13	0.39	834	2.685	Si
243	4774	14666	47935	SLD 3	0.4	877	2.741	505668	-1102176	-2709593	SLD 13	0.39	859	2.717	Si
254	4618	14666	47846	SLD 3	0.4	881	2.746	550830	-1257263	-2886180	SLD 13	0.37	733	2.546	Si
275	4306	14666	47752	SLD 3	0.4	892	2.76	599814	-1432123	-3192221	SLD 13	0.36	678	2.466	Si
295	4001	14666	47752	SLD 3	0.4	907	2.779	599814	-1432123	-3192221	SLD 13	0.36	678	2.466	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 37-(2734; 3666)

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x60	Rettangolare	30	60	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - ?, sezione R 30x60, asta 995

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-381065	SLU 30	-349559	-796256	0.099	Si
15	7.6	5.4	7.6	5.4						-320008	SLU 30	-320008	-796256	0.099	Si
20	7.6	5.4	7.6	5.4						-300308	SLU 30	-320008	-796256	0.099	Si
40	7.6	5.4	7.6	5.4						-227373	SLU 30	-318314	-796256	0.099	Si
60	7.6	5.4	7.6	5.4						-165026	SLU 36	-243592	-796256	0.099	Si
80	7.6	5.4	7.6	5.4						-114614	SLU 35	-178649	-796256	0.099	Si
90	7.6	5.4	7.6	5.4						-93761	SLU 35	-149820	-796256	0.099	Si
110	7.6	5.4	7.6	5.4	-16949	SLU 2	18130	796256	0.099	-56413	SLU 35	-103291	-796256	0.099	Si
130	7.6	5.4	7.6	5.4	12490	SLU 2	43538	796256	0.099	-24878	SLU 35	-64615	-796256	0.099	Si
150	7.6	5.4	7.6	5.4	38419	SLU 20	62335	796256	0.099	-1983	SLU 17	-31752	-796256	0.099	Si
170	7.6	5.4	7.6	5.4	58938	SLU 20	73594	796256	0.099	14174	SLU 17	-6465	-796256	0.099	Si
190	7.6	5.4	7.6	5.4	71919	SLU 20	77401	796256	0.099						Si
210	7.6	5.4	7.6	5.4	77363	SLU 20	77531	796256	0.099						Si
230	7.6	5.4	7.6	5.4	75815	SLU 29	77531	796256	0.099						Si
240	7.6	5.4	7.6	5.4	72145	SLU 29	77531	796256	0.099						Si
260	7.6	5.4	7.6	5.4	58942	SLU 29	73822	796256	0.099						Si
278	7.6	5.4	7.6	5.4	40795	SLU 29	64300	796256	0.099						Si
280	7.6	5.4	7.6	5.4	37923	SLU 29	37923	796256	0.099						Si
300	7.6	5.4	7.6	5.4	9151	SLU 30	9151	796256	0.099						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	708712	SLV 15	705531	796256	0.099	-1242684	SLV 1	-1196828	-796256	0.099	No
15	7.6	5.4	7.6	5.4	701043	SLV 15	701043	796256	0.099	-1152272	SLV 1	-1152272	-796256	0.099	No
20	7.6	5.4	7.6	5.4	698052	SLV 15	701043	796256	0.099	-1122569	SLV 1	-1152272	-796256	0.099	No
40	7.6	5.4	7.6	5.4	682179	SLV 15	700785	796256	0.099	-1007670	SLV 1	-1149718	-796256	0.099	No
60	7.6	5.4	7.6	5.4	661093	SLV 15	686104	796256	0.099	-897985	SLV 1	-1033626	-796256	0.099	No
80	7.6	5.4	7.6	5.4	634796	SLV 15	666209	796256	0.099	-793516	SLV 1	-922750	-796256	0.099	No
90	7.6	5.4	7.6	5.4	619693	SLV 15	654307	796256	0.099	-743237	SLV 1	-869268	-796256	0.099	No
110	7.6	5.4	7.6	5.4	585579	SLV 15	626595	796256	0.099	-646591	SLV 1	-766215	-796256	0.099	Si
130	7.6	5.4	7.6	5.4	546256	SLV 15	593672	796256	0.099	-555161	SLV 1	-668377	-796256	0.099	Si
150	7.6	5.4	7.6	5.4	501726	SLV 15	555539	796256	0.099	-468948	SLV 1	-575755	-796256	0.099	Si
170	7.6	5.4	7.6	5.4	451990	SLV 15	512198	796256	0.099	-387954	SLV 1	-488349	-796256	0.099	Si
190	7.6	5.4	7.6	5.4	397054	SLV 15	463652	796256	0.099	-312183	SLV 1	-406162	-796256	0.099	Si
210	7.6	5.4	7.6	5.4	336926	SLV 15	409904	796256	0.099	-241643	SLV 1	-329198	-796256	0.099	Si
230	7.6	5.4	7.6	5.4	271626	SLV 15	350962	796256	0.099	-176353	SLV 1	-257462	-796256	0.099	Si
240	7.6	5.4	7.6	5.4	237049	SLV 15	319547	796256	0.099	-145689	SLV 1	-223559	-796256	0.099	Si
260	7.6	5.4	7.6	5.4	164118	SLV 15	252851	796256	0.099	-88400	SLV 1	-159702	-796256	0.099	Si
278	7.6	5.4	7.6	5.4	96325	SLV 13	190338	796256	0.099	-43086	SLV 3	-108170	-796256	0.099	Si
280	7.6	5.4	7.6	5.4	86485	SLV 13	86485	796256	0.099	-36830	SLV 3	-36830	-796256	0.099	Si
300	7.6	5.4	7.6	5.4	15914	SLV 5	15914	796256	0.099	-2742	SLV 11	-2742	-796256	0.099	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	164792	SLD 15	164792	796256	0.099	-698765	SLD 1	-666577	-796256	0.099	Si
15	7.6	5.4	7.6	5.4	184462	SLD 15	210747	796256	0.099	-635691	SLD 1	-635691	-796256	0.099	Si
20	7.6	5.4	7.6	5.4	190584	SLD 15	214970	796256	0.099	-615101	SLD 1	-635691	-796256	0.099	Si
40	7.6	5.4	7.6	5.4	211161	SLD 15	229143	796256	0.099	-536652	SLD 1	-633920	-796256	0.099	Si
60	7.6	5.4	7.6	5.4	226526	SLD 15	238104	796256	0.099	-463418	SLD 1	-554280	-796256	0.099	Si
80	7.6	5.4	7.6	5.4	236678	SLD 15	241852	796256	0.099	-395398	SLD 1	-479854	-796256	0.099	Si
90	7.6	5.4	7.6	5.4	239799	SLD 15	242132	796256	0.099	-363343	SLD 1	-444597	-796256	0.099	Si
110	7.6	5.4	7.6	5.4	242132	SLD 15	242132	796256	0.099	-303144	SLD 1	-377992	-796256	0.099	Si
130	7.6	5.4	7.6	5.4	239255	SLD 15	242132	796256	0.099	-248159	SLD 1	-316601	-796256	0.099	Si
150	7.6	5.4	7.6	5.4	231167	SLD 15	240210	796256	0.099	-198388	SLD 1	-260425	-796256	0.099	Si
170	7.6	5.4	7.6	5.4	217870	SLD 15	233312	796256	0.099	-153833	SLD 1	-209463	-796256	0.099	Si
190	7.6	5.4	7.6	5.4	199366	SLD 15	221205	796256	0.099	-114495	SLD 1	-163716	-796256	0.099	Si
210	7.6	5.4	7.6	5.4	175660	SLD 15	203891	796256	0.099	-80376	SLD 1	-123185	-796256	0.099	Si
230	7.6	5.4	7.6	5.4	146759	SLD 15	181374	796256	0.099	-51486	SLD 1	-87874	-796256	0.099	Si
240	7.6	5.4	7.6	5.4	130367	SLD 15	168165	796256	0.099	-39007	SLD 1	-72177	-796256	0.099	Si
260	7.6	5.4	7.6	5.4	93733	SLD 15	137859	796256	0.099	-18015	SLD 1	-44710	-796256	0.099	Si
278	7.6	5.4	7.6	5.4	57466	SLD 13	107134	796256	0.099	-4228	SLD 3	-24966	-796256	0.099	Si
280	7.6	5.4	7.6	5.4	52113	SLD 13	52113	796256	0.099	-2458	SLD 3	-2458	-796256	0.099	Si
300	7.6	5.4	7.6	5.4	10714	SLD 5	10714	796256	0.099						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4233	SLU 30	4233	6713	43335	0	6713	1	Si
15	0.046	7.6	0	3940	SLU 30	3940	6713	43335	4509	6713	1	Si
20	0.046	7.6	0	3842	SLU 30	3842	6713	43335	4509	6713	1	Si
40	0.046	7.6	0	3451	SLU 30	3451	6713	43335	4509	6713	1	Si
60	0.046	7.6	0	3060	SLU 30	3060	6713	43335	4509	6713	1	Si
80	0.046	7.6	0	2669	SLU 30	2669	6713	43335	4509	6713	1	Si
90	0.046	7.6	0	2473	SLU 30	2473	6713	43335	4509	6713	1	Si
110	0.046	7.6	0	2082	SLU 30	2082	6713	43335	4509	6713	1	Si
130	0.046	7.6	0	1691	SLU 30	1691	6713	43335	4509	6713	1	Si
150	0.046	7.6	0	1300	SLU 30	1300	6713	43335	4509	6713	1	Si
170	0.046	7.6	0	910	SLU 30	910	6713	43335	4509	6713	1	Si
190	0.046	7.6	0	560	SLU 35	560	6713	43335	4509	6713	1	Si
210	0.046	7.6	0	269	SLU 35	269	6713	43335	4509	6713	1	Si
230	0.046	7.6	0	1	SLU 17	1	6713	43335	4509	6713	1	Si
230	0.046	7.6	0	-293	SLU 20	-293	-6713	-43335	-4509	-6713	1	Si
240	0.046	7.6	0	-481	SLU 20	-481	-6713	-43335	-4509	-6713	1	Si
260	0.046	7.6	0	-858	SLU 20	-858	-6713	-43335	-4509	-6713	1	Si
278	0.046	7.6	0	-1198	SLU 29	-1198	-6713	-43335	-4509	-6713	1	Si
280	0	7.6	0	-1246	SLU 29	-1246	-6713	-43335	0	-6713	1	Si
300	0	7.6	0	-1637	SLU 29	-1637	-6713	-43335	0	-6713	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	6136	SLV 1	6986	6713	43335	0	6713	1	Si
0	0	7.6	0	-403	SLV 15	-1253	-6713	-43335	0	-6713	1	Si
15	0.046	7.6	0	5941	SLV 1	6791	6713	43335	4509	6713	1	No
15	0.046	7.6	0	-598	SLV 15	-1449	-6713	-43335	-4509	-6713	1	Si
20	0.046	7.6	0	5876	SLV 1	6726	6713	43335	4509	6713	1	No
20	0.046	7.6	0	-664	SLV 15	-1514	-6713	-43335	-4509	-6713	1	Si
40	0.046	7.6	0	5615	SLV 1	6465	6713	43335	4509	6713	1	Si
40	0.046	7.6	0	-924	SLV 15	-1774	-6713	-43335	-4509	-6713	1	Si
60	0.046	7.6	0	5354	SLV 1	6204	6713	43335	4509	6713	1	Si
60	0.046	7.6	0	-1185	SLV 15	-2035	-6713	-43335	-4509	-6713	1	Si
80	0.046	7.6	0	5094	SLV 1	5944	6713	43335	4509	6713	1	Si
80	0.046	7.6	0	-1446	SLV 15	-2296	-6713	-43335	-4509	-6713	1	Si
90	0.046	7.6	0	4963	SLV 1	5813	6713	43335	4509	6713	1	Si
90	0.046	7.6	0	-1576	SLV 15	-2426	-6713	-43335	-4509	-6713	1	Si
110	0.046	7.6	0	4703	SLV 1	5553	6713	43335	4509	6713	1	Si
110	0.046	7.6	0	-1837	SLV 15	-2687	-6713	-43335	-4509	-6713	1	Si
130	0.046	7.6	0	4442	SLV 1	5292	6713	43335	4509	6713	1	Si
130	0.046	7.6	0	-2097	SLV 15	-2947	-6713	-43335	-4509	-6713	1	Si
150	0.046	7.6	0	4181	SLV 1	5032	6713	43335	4509	6713	1	Si
150	0.046	7.6	0	-2358	SLV 15	-3208	-6713	-43335	-4509	-6713	1	Si
170	0.046	7.6	0	3921	SLV 1	4771	6713	43335	4509	6713	1	Si
170	0.046	7.6	0	-2618	SLV 15	-3469	-6713	-43335	-4509	-6713	1	Si
190	0.046	7.6	0	3660	SLV 1	4510	6713	43335	4509	6713	1	Si
190	0.046	7.6	0	-2879	SLV 15	-3729	-6713	-43335	-4509	-6713	1	Si
210	0.046	7.6	0	3400	SLV 1	4250	6713	43335	4509	6713	1	Si
210	0.046	7.6	0	-3140	SLV 15	-3990	-6713	-43335	-4509	-6713	1	Si
230	0.046	7.6	0	3139	SLV 1	3989	6713	43335	4509	6713	1	Si
230	0.046	7.6	0	-3400	SLV 15	-4250	-6713	-43335	-4509	-6713	1	Si
240	0.046	7.6	0	3009	SLV 1	3859	6713	43335	4509	6713	1	Si
240	0.046	7.6	0	-3530	SLV 15	-4381	-6713	-43335	-4509	-6713	1	Si
260	0.046	7.6	0	2748	SLV 1	3598	6713	43335	4509	6713	1	Si
260	0.046	7.6	0	-3791	SLV 15	-4641	-6713	-43335	-4509	-6713	1	Si
278	0.046	7.6	0	2520	SLV 1	3371	6713	43335	4509	6713	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
278	0.046	7.6	0	-4019	SLV 15	-4869	-6713	-43335	-4509	-6713	1	Si
280	0	7.6	0	2488	SLV 1	3338	6713	43335	0	6713	1	Si
280	0	7.6	0	-4051	SLV 15	-4902	-6713	-43335	0	-6713	1	Si
300	0	7.6	0	2227	SLV 1	3077	6713	43335	0	6713	1	Si
300	0	7.6	0	-4312	SLV 15	-5162	-6713	-43335	0	-6713	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4314	SLD 1	4314	6713	43335	0	6713	1	Si
15	0.046	7.6	0	4118	SLD 1	4118	6713	43335	4509	6713	1	Si
20	0.046	7.6	0	4053	SLD 1	4053	6713	43335	4509	6713	1	Si
40	0.046	7.6	0	3792	SLD 1	3792	6713	43335	4509	6713	1	Si
60	0.046	7.6	0	3532	SLD 1	3532	6713	43335	4509	6713	1	Si
80	0.046	7.6	0	3271	SLD 1	3271	6713	43335	4509	6713	1	Si
90	0.046	7.6	0	3141	SLD 1	3141	6713	43335	4509	6713	1	Si
110	0.046	7.6	0	2880	SLD 1	2880	6713	43335	4509	6713	1	Si
110	0.046	7.6	0	-14	SLD 15	-14	-6713	-43335	-4509	-6713	1	Si
130	0.046	7.6	0	2619	SLD 1	2619	6713	43335	4509	6713	1	Si
130	0.046	7.6	0	-275	SLD 15	-275	-6713	-43335	-4509	-6713	1	Si
150	0.046	7.6	0	2359	SLD 1	2359	6713	43335	4509	6713	1	Si
150	0.046	7.6	0	-535	SLD 15	-535	-6713	-43335	-4509	-6713	1	Si
170	0.046	7.6	0	2098	SLD 1	2098	6713	43335	4509	6713	1	Si
170	0.046	7.6	0	-796	SLD 15	-796	-6713	-43335	-4509	-6713	1	Si
190	0.046	7.6	0	1838	SLD 1	1838	6713	43335	4509	6713	1	Si
190	0.046	7.6	0	-1056	SLD 15	-1056	-6713	-43335	-4509	-6713	1	Si
210	0.046	7.6	0	1577	SLD 1	1577	6713	43335	4509	6713	1	Si
210	0.046	7.6	0	-1317	SLD 15	-1317	-6713	-43335	-4509	-6713	1	Si
230	0.046	7.6	0	1316	SLD 1	1316	6713	43335	4509	6713	1	Si
230	0.046	7.6	0	-1577	SLD 15	-1577	-6713	-43335	-4509	-6713	1	Si
240	0.046	7.6	0	1186	SLD 1	1186	6713	43335	4509	6713	1	Si
240	0.046	7.6	0	-1708	SLD 15	-1708	-6713	-43335	-4509	-6713	1	Si
260	0.046	7.6	0	926	SLD 1	926	6713	43335	4509	6713	1	Si
260	0.046	7.6	0	-1968	SLD 15	-1968	-6713	-43335	-4509	-6713	1	Si
278	0.046	7.6	0	698	SLD 1	698	6713	43335	4509	6713	1	Si
278	0.046	7.6	0	-2196	SLD 15	-2196	-6713	-43335	-4509	-6713	1	Si
280	0	7.6	0	665	SLD 1	665	6713	43335	0	6713	1	Si
280	0	7.6	0	-2229	SLD 15	-2229	-6713	-43335	0	-6713	1	Si
300	0	7.6	0	405	SLD 1	405	6713	43335	0	6713	1	Si
300	0	7.6	0	-2489	SLD 15	-2489	-6713	-43335	0	-6713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-282332	3	-259115	17.5	124.5	688.7	1837	-266986	2	-245649	16.6	93.4	0	+∞	Si
15	-237336	3	-237336	16	124.5	630.8	1837	-225615	2	-225615	15.2	93.4	0	+∞	Si
20	-222817	3	-237336	16	124.5	630.8	1837	-212259	2	-225615	15.2	93.4	0	+∞	Si
40	-169052	3	-236088	15.9	124.5	627.5	1837	-162745	2	-224466	15.2	93.4	0	+∞	Si
60	-122880	9	-181009	12.2	124.5	481.1	1837	-118446	2	-173761	11.7	93.4	0	+∞	Si
80	-85199	8	-132984	9	124.5	353.5	1837	-81527	1	-128271	8.7	93.4	0	+∞	Si
90	-69461	8	-111600	7.5	124.5	296.6	1837	-65962	1	-107480	7.3	93.4	0	+∞	Si
110	-41291	8	-76653	5.2	124.5	203.7	1837	-38141	1	-73075	4.9	93.4	0	+∞	Si
130	2399	2	28523	1.9	124.5	75.8	1837								Si
130	-17531	8	-47476	3.2	124.5	126.2	1837	-14729	1	-44246	3	93.4	0	+∞	Si
150	24466	2	43530	2.9	124.5	115.7	1837	16389	2	34696	2.3	93.4	0	+∞	Si
170	40786	2	52790	3.6	124.5	140.3	1837	32018	2	43923	3	93.4	0	+∞	Si
190	51359	2	56303	3.8	124.5	149.7	1837	42436	2	47938	3.2	93.4	0	+∞	Si
210	56185	2	56444	3.8	124.5	150	1837	47642	2	48291	3.3	93.4	0	+∞	Si
230	55265	2	56444	3.8	124.5	150	1837	47637	2	48291	3.3	93.4	0	+∞	Si
240	52651	2	56444	3.8	124.5	150	1837	45680	2	48291	3.3	93.4	0	+∞	Si
260	43113	2	53846	3.6	124.5	143.1	1837	37859	2	46574	3.1	93.4	0	+∞	Si
278	29919	2	46992	3.2	124.5	124.9	1837	26619	2	41084	2.8	93.4	0	+∞	Si
280	27829	2	27829	1.9	124.5	74	1837	24828	2	24828	1.7	93.4	0	+∞	Si
300	6843	3	6843	0.5	124.5	18.2	1837	6586	2	6586	0.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
40	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
60	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si
70	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si
80	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.004	2	-0.005	2	9999	Si
90	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.004	2	-0.005	2	9999	Si
110	0	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.003	2	-0.004	2	9999	Si
130	0	-0.001	-0.001	-0.002	0	-0.001	-0.001	-0.001	0	-0.001	-0.002	2	-0.003	2	9999	Si
150	0.001	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	2	-0.003	2	9999	Si
170	0.001	0	0	-0.001	0.001	0	0	-0.001	0.001	0	0	2	-0.002	2	9999	Si
190	0.001	0	0	-0.001	0.001	0	0	0	0.001	0	0	2	-0.001	2	9999	Si
210	0.001	0	0.001	0	0.001	0	0	0	0.001	0	0.001	2	0	2	9999	Si
230	0.001	0	0.001	0	0.001	0	0	0	0.001	0	0.001	2	0	2	9999	Si
240	0.001	0	0.001	0	0.001	0	0	0	0.001	0	0.001	2	0	2	9999	Si
260	0.001	0	0.001	0	0.001	0	0	0	0.001	0	0.001	2	0	2	9999	Si
278	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
280	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	2671	4120	6713	SLV 1	0.36	679	0.981	-225615	-926657	-796256	SLV 1	0.23	238	0.638	No
20	2606	4120	6713	SLV 1	0.36	706	0.997	-225615	-926657	-796256	SLV 1	0.23	238	0.638	No
40	2345	4120	6713	SLV 1	0.38	820	1.06	-224466	-925251	-796256	SLV 1	0.23	239	0.639	No
60	2085	4120	6713	SLV 1	0.41	945	1.123	-173761	-859865	-796256	SLV 1	0.27	338	0.737	No
80	1824	4120	6713	SLV 1	0.43	1090	1.191	-128271	-794480	-796256	SLV 1	0.31	469	0.843	No
90	1694	4120	6713	SLV 1	0.44	1168	1.225	-107480	-761788	-796256	SLV 1	0.33	558	0.905	No
110	1433	4120	6713	SLV 1	0.46	1336	1.294	-69810	-696405	-796256	SLV 1	0.38	789	1.043	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
130	1172	4120	6713	SLV 1	0.48	1518	1.364	-37352	-631024	-796256	SLV 1	0.43	1129	1.208	Si
150	912	4120	6713	SLV 1	0.5	1717	1.435	-10108	-565647	-796256	SLV 1	0.5	1658	1.414	Si
170	651	4120	6713	SLV 1	0.53	1931	1.505	11925	500274	796256	SLV 15	0.56	2288	1.614	Si
190	391	4120	6713	SLV 1	0.55	2161	1.576	28745	434907	796256	SLV 15	0.57	2474	1.666	Si
210	130	4120	6713	SLV 1	0.57	2408	1.648	40353	369551	796256	SLV 15	0.57	2474	1.666	Si
230	-131	-4120	-6713	SLV 15	0.57	2407	1.648	46750	304212	796256	SLV 15	0.57	2474	1.666	Si
240	-261	-4120	-6713	SLV 15	0.56	2282	1.612	47994	271553	796256	SLV 15	0.57	2474	1.666	Si
260	-521	-4120	-6713	SLV 15	0.54	2044	1.541	46574	206277	796256	SLV 15	0.57	2474	1.666	Si
278	-749	-4120	-6713	SLV 15	0.52	1849	1.479	26619	69705	796256	SLV 13	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	2671	1447	6713	SLD 1	0.38	772	2.601	-225615	-410076	-796256	SLD 1	0.19	162	1.371	Si
20	2606	1447	6713	SLD 1	0.38	803	2.643	-225615	-410076	-796256	SLD 1	0.19	162	1.371	Si
40	2345	1447	6713	SLD 1	0.41	933	2.811	-224466	-409454	-796256	SLD 1	0.19	164	1.378	Si
60	2085	1447	6713	SLD 1	0.43	1087	2.993	-173761	-380519	-796256	SLD 1	0.23	229	1.58	Si
80	1824	1447	6713	SLD 1	0.45	1258	3.178	-128271	-351584	-796256	SLD 1	0.26	318	1.808	Si
90	1694	1447	6713	SLD 1	0.46	1348	3.269	-107480	-337116	-796256	SLD 1	0.28	373	1.93	Si
110	1433	1447	6713	SLD 1	0.49	1543	3.455	-69810	-308182	-796256	SLD 1	0.32	513	2.2	Si
130	1172	1447	6713	SLD 1	0.51	1755	3.642	-37352	-279249	-796256	SLD 1	0.37	723	2.532	Si
150	912	1447	6713	SLD 1	0.53	1985	3.831	-10108	-250317	-796256	SLD 1	0.42	1035	2.933	Si
170	651	1447	6713	SLD 1	0.55	2232	4.02	11925	221388	796256	SLD 15	0.47	1426	3.345	Si
190	391	1447	6713	SLD 1	0.58	2474	4.193	28745	192461	796256	SLD 15	0.53	1956	3.808	Si
210	130	1447	6713	SLD 1	0.6	2474	4.193	40353	163538	796256	SLD 15	0.6	2474	4.193	Si
230	-131	-1447	-6713	SLD 15	0.6	2474	4.193	46750	134624	796256	SLD 15	0.6	2474	4.193	Si
240	-261	-1447	-6713	SLD 15	0.59	2474	4.193	47994	120171	796256	SLD 15	0.6	2474	4.193	Si
260	-521	-1447	-6713	SLD 15	0.56	2363	4.115	46574	91284	796256	SLD 15	0.6	2474	4.193	Si
278	-749	-1447	-6713	SLD 15	0.54	2138	3.949	26619	30847	796256	SLD 13	0.6	2474	4.193	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 39-5

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 39 - 33, sezione R 45x70, asta 948

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	22.81	5.4						-327428	SLU 29	-213133	-3222394	0.099	Si
19	26.61	5.4	22.81	5.4						-182409	SLU 29	-170744	-3222394	0.099	Si
28	26.61	5.4	22.81	5.4	-62049	SLU 4	48148	2772355	0.093	-121168	SLU 29	-121168	-3222394	0.099	Si
37	26.61	5.4	22.81	5.4	-28374	SLU 4	93977	2772355	0.093	-58097	SLU 29	-121168	-3222394	0.099	Si
56	26.61	5.4	22.81	5.4	45508	SLU 29	165339	2772355	0.093	22130	SLU 8	-121168	-3222394	0.099	Si
75	26.61	5.4	22.81	5.4	128405	SLU 29	215994	2772355	0.093	66136	SLU 8	-13280	-3222394	0.099	Si
84	26.61	5.4	22.81	5.4	162088	SLU 29	233555	2772355	0.093						Si
103	26.61	5.4	21.51	5.4	213923	SLU 29	253148	2618198	0.092						Si
121	26.61	5.4	17.73	5.4	245051	SLU 29	255471	2171672	0.089						Si
131	26.61	5.4	11.4	5.4	252849	SLU 29	255471	1422107	0.084						Si
140	26.61	5.4	11.4	5.4	255471	SLU 29	255471	1422107	0.084						Si
159	26.61	5.4	11.4	5.4	245183	SLU 29	255471	1422107	0.084						Si
177	26.61	5.4	11.4	5.4	214188	SLU 29	253207	1422107	0.084						Si
196	26.61	5.4	11.4	5.4	162485	SLU 29	233747	1422107	0.084	71032	SLU 4	-1209	-3221991	0.114	Si
215	26.61	5.4	15.76	5.4	90075	SLU 29	193579	1938288	0.087	27941	SLU 4	-81136	-3222605	0.106	Si
224	26.61	5.4	17.02	5.4	46104	SLU 29	165729	2087164	0.088	2071	SLU 4	-137105	-3222595	0.104	Si
243	26.61	5.4	19.01	5.4	-40014	SLU 2	94500	2322404	0.09	-75674	SLU 31	-166301	-3222510	0.102	Si
258	26.61	5.4	19.01	5.4	-98413	SLU 1	22867	2322404	0.09	-166301	SLU 32	-166301	-3222510	0.102	Si
261	26.61	5.4	19.01	5.4						-191483	SLU 32	-189502	-3222510	0.102	Si
280	26.61	5.4	19.01	5.4						-335592	SLU 30	-242218	-3222510	0.102	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	22.81	5.4	2879565	SLV 7	2693918	2772355	0.093	-3313031	SLV 9	-2975281	-3222394	0.099	Si
19	26.61	5.4	22.81	5.4	2618736	SLV 7	2600224	2772355	0.093	-2859290	SLV 9	-2825256	-3222394	0.099	Si
28	26.61	5.4	22.81	5.4	2490645	SLV 7	2490645	2772355	0.093	-2649794	SLV 9	-2649794	-3222394	0.099	Si
37	26.61	5.4	22.81	5.4	2344595	SLV 11	2490645	2772355	0.093	-2419954	SLV 5	-2649794	-3222394	0.099	Si
56	26.61	5.4	22.81	5.4	2057395	SLV 11	2490645	2772355	0.093	-1995274	SLV 5	-2649794	-3222394	0.099	Si
75	26.61	5.4	22.81	5.4	1757503	SLV 11	2218803	2772355	0.093	-1585620	SLV 5	-2230193	-3222394	0.099	Si
84	26.61	5.4	22.81	5.4	1602948	SLV 11	2073958	2772355	0.093	-1386578	SLV 5	-2019283	-3222394	0.099	Si
103	26.61	5.4	21.51	5.4	1284974	SLV 11	1774784	2618198	0.092	-1000418	SLV 5	-1608766	-3222545	0.1	Si
121	26.61	5.4	17.73	5.4	955700	SLV 11	1463383	2171672	0.089	-630674	SLV 5	-1213739	-3222600	0.104	Si
140	26.61	5.4	11.4	5.4	616429	SLV 11	1140328	1422107	0.084	-278651	SLV 5	-834775	-3221991	0.114	Si
159	26.61	5.4	11.4	5.4	319551	SLV 15	806354	1422107	0.084	3263	SLV 1	-472610	-3221991	0.114	Si
177	26.61	5.4	11.4	5.4	488406	SLV 9	977362	1422107	0.084	-208272	SLV 7	-819210	-3221991	0.114	Si
196	26.61	5.4	11.4	5.4	805161	SLV 9	1277106	1422107	0.084	-595424	SLV 7	-1232507	-3221991	0.114	Si
215	26.61	5.4	15.76	5.4	1111882	SLV 9	1563752	1938288	0.087	-1000260	SLV 7	-1660424	-3222605	0.106	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
224	26.61	5.4	17.02	5.4	1260525	SLV 9	1702052	2087164	0.088	-1208354	SLV 7	-1879753	-3222595	0.104	Si
243	26.61	5.4	19.01	5.4	1547933	SLV 9	1766414	2322404	0.09	-1635453	SLV 7	-1985578	-3222510	0.102	Si
258	26.61	5.4	19.01	5.4	1766414	SLV 9	1766414	2322404	0.09	-1985578	SLV 7	-1985578	-3222510	0.102	Si
261	26.61	5.4	19.01	5.4	1821926	SLV 9	1817310	2322404	0.09	-2076852	SLV 7	-2069426	-3222510	0.102	Si
280	26.61	5.4	19.01	5.4	2082346	SLV 9	1929826	2322404	0.09	-2532396	SLV 7	-2254788	-3222510	0.102	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	22.81	5.4	1153390	SLD 7	1113632	2772355	0.093	-1586856	SLD 9	-1394995	-3222394	0.099	Si
19	26.61	5.4	22.81	5.4	1091738	SLD 7	1087872	2772355	0.093	-1332292	SLD 9	-1312904	-3222394	0.099	Si
28	26.61	5.4	22.81	5.4	1057745	SLD 7	1057745	2772355	0.093	-1216894	SLD 9	-1216894	-3222394	0.099	Si
37	26.61	5.4	22.81	5.4	1016469	SLD 11	1057745	2772355	0.093	-1091828	SLD 5	-1216894	-3222394	0.099	Si
56	26.61	5.4	22.81	5.4	927695	SLD 11	1057745	2772355	0.093	-865575	SLD 5	-1216894	-3222394	0.099	Si
75	26.61	5.4	22.81	5.4	825578	SLD 11	978633	2772355	0.093	-653696	SLD 5	-990023	-3222394	0.099	Si
84	26.61	5.4	22.81	5.4	769582	SLD 11	932950	2772355	0.093	-553213	SLD 5	-878275	-3222394	0.099	Si
103	26.61	5.4	21.51	5.4	647871	SLD 11	831591	2618198	0.092	-363315	SLD 5	-665573	-3222545	0.1	Si
121	26.61	5.4	17.73	5.4	513428	SLD 11	717094	2171672	0.089	-188403	SLD 5	-467450	-3222600	0.104	Si
131	26.61	5.4	11.4	5.4	441562	SLD 11	654996	1422107	0.084	-106695	SLD 5	-373934	-3221991	0.114	Si
140	26.61	5.4	11.4	5.4	366815	SLD 11	589710	1422107	0.084	-29037	SLD 5	-284158	-3221991	0.114	Si
159	26.61	5.4	11.4	5.4	231280	SLD 15	449759	1422107	0.084	91534	SLD 1	-118529	-3221991	0.114	Si
177	26.61	5.4	11.4	5.4	294160	SLD 9	476599	1422107	0.084	-14026	SLD 7	-318446	-3221991	0.114	Si
196	26.61	5.4	11.4	5.4	414763	SLD 9	577601	1422107	0.084	-205027	SLD 7	-533002	-3221991	0.114	Si
215	26.61	5.4	15.76	5.4	523163	SLD 9	665077	1938288	0.087	-411541	SLD 7	-761749	-3222605	0.106	Si
224	26.61	5.4	17.02	5.4	572374	SLD 9	703694	2087164	0.088	-520203	SLD 7	-881395	-3222595	0.104	Si
243	26.61	5.4	19.01	5.4	660628	SLD 9	720619	2322404	0.09	-748147	SLD 7	-939783	-3222510	0.102	Si
258	26.61	5.4	19.01	5.4	720619	SLD 9	720619	2322404	0.09	-939783	SLD 7	-939783	-3222510	0.102	Si
261	26.61	5.4	19.01	5.4	735216	SLD 9	733956	2322404	0.09	-990143	SLD 7	-986072	-3222510	0.102	Si
280	26.61	5.4	19.01	5.4	796072	SLD 9	763442	2322404	0.09	-1246122	SLD 7	-1088404	-3222510	0.102	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	8320	SLU 29	8320	14486	76908	0	14486	1	Si
19	0	26.61	0	7213	SLU 29	7213	14486	76908	0	14486	1	Si
28	0.259	26.61	0	6688	SLU 29	6688	14486	76908	30011	30011	1	Si
37	0.259	26.61	0	6104	SLU 29	6104	14486	76908	30011	30011	1	Si
56	0.259	17.73	0	4995	SLU 29	4995	12653	76908	30011	30011	1	Si
75	0.259	11.4	0	3886	SLU 29	3886	10922	76908	30011	30011	1	Si
84	0.259	11.4	0	3331	SLU 29	3331	10922	76908	30011	30011	1	Si
103	0.234	11.4	0	2222	SLU 29	2222	10922	76908	27216	27216	1	Si
121	0.234	11.4	0	1113	SLU 29	1113	10922	76908	27216	27216	1	Si
140	0.234	14.51	0	23	SLU 11	23	11834	76908	27216	27216	1	Si
140	0.234	14.51	0	-165	SLU 22	-165	-11834	-76908	-27216	-27216	1	Si
159	0.234	17.02	0	-1146	SLU 30	-1146	-12481	-76908	-27216	-27216	1	Si
177	0.234	19.01	0	-2255	SLU 30	-2255	-12949	-76908	-27216	-27216	1	Si
196	0.259	11.4	0	-3364	SLU 30	-3364	-10922	-76908	-30011	-30011	1	Si
215	0.259	11.4	0	-4474	SLU 30	-4474	-10922	-76908	-30011	-30011	1	Si
224	0.259	11.4	0	-5028	SLU 30	-5028	-10922	-76908	-30011	-30011	1	Si
243	0.259	26.61	0	-6137	SLU 30	-6137	-14486	-76908	-30011	-30011	1	Si
258	0.259	26.61	0	-7019	SLU 30	-7019	-14486	-76908	-30011	-30011	1	Si
261	0	26.61	0	-7246	SLU 30	-7246	-14486	-76908	0	-14486	1	Si
280	0	26.61	0	-8356	SLU 30	-8356	-14486	-76908	0	-14486	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	24764	SLV 9	29763	14486	76908	0	14486	1	Si
0	0	22.81	0	-13692	SLV 7	-18691	-13761	-76908	0	-13761	1	Si
19	0	26.61	0	24023	SLV 9	29022	14486	76908	0	14486	1	Si
19	0	22.81	0	-14432	SLV 7	-19432	-13761	-76908	0	-13761	1	Si
28	0.259	26.61	0	23672	SLV 9	28671	14486	76908	30011	30011	1	Si
28	0.259	22.81	0	-14783	SLV 7	-19783	-13761	-76908	-30011	-30011	1	Si
37	0.259	26.61	0	23281	SLV 9	28280	14486	76908	30011	30011	1	Si
37	0.259	21.51	0	-15175	SLV 7	-20174	-13493	-76908	-30011	-30011	1	Si
56	0.259	26.61	0	22538	SLV 9	27537	14486	76908	30011	30011	1	Si
56	0.259	17.73	0	-15917	SLV 7	-20916	-12653	-76908	-30011	-30011	1	Si
75	0.259	26.61	0	21796	SLV 9	26795	14486	76908	30011	30011	1	Si
75	0.259	11.4	0	-16659	SLV 7	-21658	-10922	-76908	-30011	-30011	1	Si
84	0.259	26.61	0	21425	SLV 9	26424	14486	76908	30011	30011	1	Si
84	0.259	11.4	0	-17030	SLV 7	-22030	-10922	-76908	-30011	-30011	1	Si
103	0.234	26.61	0	20683	SLV 9	25682	14486	76908	27216	27216	1	Si
103	0.234	11.4	0	-17773	SLV 7	-22772	-10922	-76908	-27216	-27216	1	Si
121	0.234	26.61	0	19940	SLV 9	24939	14486	76908	27216	27216	1	Si
121	0.234	11.4	0	-18515	SLV 7	-23514	-10922	-76908	-27216	-27216	1	Si
140	0.234	26.61	0	19198	SLV 9	24197	14486	76908	27216	27216	1	Si
140	0.234	14.51	0	-19257	SLV 7	-24256	-11834	-76908	-27216	-27216	1	Si
159	0.234	17.02	0	18456	SLV 9	23455	12481	76908	27216	27216	1	Si
159	0.234	17.02	0	-20000	SLV 7	-24999	-12481	-76908	-27216	-27216	1	Si
177	0.234	19.01	0	17713	SLV 9	22713	12949	76908	27216	27216	1	Si
177	0.234	26.61	0	-20742	SLV 7	-25741	-14486	-76908	-27216	-27216	1	Si
196	0.259	11.4	0	16971	SLV 9	21970	10922	76908	30011	30011	1	Si
196	0.259	26.61	0	-21484	SLV 7	-26483	-14486	-76908	-30011	-30011	1	Si
215	0.259	11.4	0	16229	SLV 9	21228	10922	76908	30011	30011	1	Si
215	0.259	26.61	0	-22226	SLV 7	-27226	-14486	-76908	-30011	-30011	1	Si
224	0.259	11.4	0	15858	SLV 9	20857	10922	76908	30011	30011	1	Si
224	0.259	26.61	0	-22597	SLV 7	-27597	-14486	-76908	-30011	-30011	1	Si
243	0.259	11.4	0	15115	SLV 9	20115	10922	76908	30011	30011	1	Si
243	0.259	26.61	0	-23340	SLV 7	-28339	-14486	-76908	-30011	-30011	1	Si
258	0.259	11.4	0	14525	SLV 9	19525	10922	76908	30011	30011	1	Si
258	0.259	26.61	0	-23930	SLV 7	-28929	-14486	-76908	-30011	-30011	1	Si
261	0	11.4	0	14373	SLV 9	19372	10922	76908	0	10922	1	Si
261	0	26.61	0	-24082	SLV 7	-29081	-14486	-76908	0	-14486	1	Si
280	0	15.76	0	13631	SLV 9	18630	12166	76908	0	12166	1	Si
280	0	26.61	0	-24824	SLV 7	-29824	-14486	-76908	0	-14486	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	14045	SLD 9	14045	14486	76908	0	14486	1	Si
0	0	22.81	0	-2973	SLD 7	-2973	-13761	-76908	0	-13761	1	Si
19	0	26.61	0	13304	SLD 9	13304	14486	76908	0	14486	1	Si
19	0	22.81	0	-3713	SLD 7	-3713	-13761	-76908	0	-13761	1	Si
28	0.259	26.61	0	12953	SLD 9	12953	14486	76908	30011	30011	1	Si
28	0.259	22.81	0	-4065	SLD 7	-4065	-13761	-76908	-30011	-30011	1	Si
37	0.259	26.61	0	12562	SLD 9	12562	14486	76908	30011	30011	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
37	0.259	21.51	0	-4456	SLD 7	-4456	-13493	-76908	-30011	-30011	1	Si
56	0.259	26.61	0	11819	SLD 9	11819	14486	76908	30011	30011	1	Si
56	0.259	17.73	0	-5198	SLD 7	-5198	-12653	-76908	-30011	-30011	1	Si
75	0.259	26.61	0	11077	SLD 9	11077	14486	76908	30011	30011	1	Si
75	0.259	11.4	0	-5940	SLD 7	-5940	-10922	-76908	-30011	-30011	1	Si
84	0.259	26.61	0	10706	SLD 9	10706	14486	76908	30011	30011	1	Si
84	0.259	11.4	0	-6311	SLD 7	-6311	-10922	-76908	-30011	-30011	1	Si
103	0.234	26.61	0	9964	SLD 9	9964	14486	76908	27216	27216	1	Si
103	0.234	11.4	0	-7054	SLD 7	-7054	-10922	-76908	-27216	-27216	1	Si
121	0.234	26.61	0	9221	SLD 9	9221	14486	76908	27216	27216	1	Si
121	0.234	11.4	0	-7796	SLD 7	-7796	-10922	-76908	-27216	-27216	1	Si
140	0.234	14.51	0	8479	SLD 9	8479	11834	76908	27216	27216	1	Si
140	0.234	14.51	0	-8538	SLD 7	-8538	-11834	-76908	-27216	-27216	1	Si
159	0.234	17.02	0	7737	SLD 9	7737	12481	76908	27216	27216	1	Si
159	0.234	17.02	0	-9281	SLD 7	-9281	-12481	-76908	-27216	-27216	1	Si
177	0.234	19.01	0	6994	SLD 9	6994	12949	76908	27216	27216	1	Si
177	0.234	26.61	0	-10023	SLD 7	-10023	-14486	-76908	-27216	-27216	1	Si
196	0.259	11.4	0	6252	SLD 9	6252	10922	76908	30011	30011	1	Si
196	0.259	26.61	0	-10765	SLD 7	-10765	-14486	-76908	-30011	-30011	1	Si
215	0.259	11.4	0	5510	SLD 9	5510	10922	76908	30011	30011	1	Si
215	0.259	26.61	0	-11507	SLD 7	-11507	-14486	-76908	-30011	-30011	1	Si
224	0.259	11.4	0	5139	SLD 9	5139	10922	76908	30011	30011	1	Si
224	0.259	26.61	0	-11879	SLD 7	-11879	-14486	-76908	-30011	-30011	1	Si
243	0.259	11.4	0	4397	SLD 9	4397	10922	76908	30011	30011	1	Si
243	0.259	26.61	0	-12621	SLD 7	-12621	-14486	-76908	-30011	-30011	1	Si
258	0.259	11.4	0	3807	SLD 9	3807	10922	76908	30011	30011	1	Si
258	0.259	26.61	0	-13211	SLD 7	-13211	-14486	-76908	-30011	-30011	1	Si
261	0	11.4	0	3654	SLD 9	3654	10922	76908	0	10922	1	Si
261	0	26.61	0	-13363	SLD 7	-13363	-14486	-76908	0	-14486	1	Si
280	0	15.76	0	2912	SLD 9	2912	12166	76908	0	12166	1	Si
280	0	26.61	0	-14105	SLD 7	-14105	-14486	-76908	0	-14486	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-237475	2	-154354	3.5	124.5	100.2	1837	-216733	2	-140682	3.2	93.4	0	+∞	Si
19	-132021	2	-123538	2.8	124.5	80.2	1837	-120277	2	-112516	2.6	93.4	0	+∞	Si
28	-87496	2	-87496	2	124.5	56.8	1837	-79575	2	-79575	1.8	93.4	0	+∞	Si
37	-41648	2	-87496	2	124.5	56.8	1837	-37679	2	-79575	1.8	93.4	0	+∞	Si
56	33643	2	120660	2.8	124.5	90.6	1837	31060	2	110327	2.5	93.4	0	+∞	Si
75	93852	2	157386	3.6	124.5	118.2	1837	85941	2	143630	3.3	93.4	0	+∞	Si
84	118301	2	170093	3.9	124.5	127.8	1837	108185	2	155084	3.5	93.4	0	+∞	Si
103	155887	2	184196	4.3	124.5	146.4	1837	142278	2	167599	3.9	93.4	0	+∞	Si
121	178391	2	185814	4.6	124.5	178.1	1837	162513	2	168889	4.2	93.4	0	+∞	Si
140	185814	2	185814	5.4	124.5	273.9	1837	168889	2	168889	4.9	93.4	0	+∞	Si
159	178154	2	185814	5.4	124.5	273.9	1837	161407	2	168889	4.9	93.4	0	+∞	Si
177	155412	2	184091	5.3	124.5	271.4	1837	140067	2	167110	4.8	93.4	0	+∞	Si
196	117589	2	169750	4.9	124.5	250.2	1837	104868	2	153489	4.4	93.4	0	+∞	Si
215	64683	2	140328	3.6	124.5	150.8	1837	55811	2	126010	3.2	93.4	0	+∞	Si
224	32575	2	119961	3	124.5	119.7	1837	26085	2	107073	2.7	93.4	0	+∞	Si
243	-55158	4	-121729	2.9	124.5	79.4	1837	-44969	1	-109582	2.6	93.4	0	+∞	Si
258	-121729	5	-121729	2.9	124.5	79.4	1837	-109582	2	-109582	2.6	93.4	0	+∞	Si
261	-140187	5	-138735	3.3	124.5	90.4	1837	-127463	2	-126058	3	93.4	0	+∞	Si
280	-245360	3	-177282	4.2	124.5	115.6	1837	-225025	2	-162481	3.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si
28	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
37	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
56	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.002	2	9999	Si
75	0.003	0.002	0.002	0.001	0.003	0.002	0.002	0.001	0.003	0.002	0.003	2	0.003	2	9999	Si
84	0.003	0.002	0.002	0.001	0.003	0.002	0.002	0.001	0.003	0.002	0.004	2	0.003	2	9999	Si
103	0.004	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.004	2	9999	Si
121	0.004	0.003	0.002	0.002	0.004	0.003	0.002	0.002	0.004	0.003	0.005	2	0.004	2	9999	Si
140	0.004	0.003	0.003	0.002	0.004	0.003	0.002	0.002	0.004	0.003	0.005	2	0.004	2	9999	Si
159	0.004	0.003	0.002	0.002	0.004	0.003	0.002	0.002	0.004	0.003	0.005	2	0.004	2	9999	Si
177	0.004	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.004	2	9999	Si
196	0.003	0.002	0.002	0.001	0.003	0.002	0.002	0.001	0.003	0.002	0.004	2	0.003	2	9999	Si
215	0.003	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.002	2	9999	Si
224	0.002	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.002	2	9999	Si
243	0.001	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
258	0.001	0	0	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
261	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	4444	24227	30011	SLV 9	0.38	811	1.055	-79575	2570219	2772355	SLV 7	0.4	917	1.109	Si
37	4053	24227	30011	SLV 9	0.39	842	1.071	-79575	2570219	2772355	SLV 7	0.4	917	1.109	Si
56	3311	24227	30011	SLV 9	0.4	902	1.102	-79575	2570219	2772355	SLV 7	0.4	917	1.109	Si
75	2568	24227	30011	SLV 9	0.41	964	1.132	-5695	2224498	2772355	SLV 11	0.45	1247	1.258	Si
84	2197	24227	30011	SLV 9	0.42	998	1.148	27337	2046621	2772355	SLV 11	0.48	1507	1.36	Si
103	1455	24227	27216	SLV 9	0.39	826	1.063	83009	1691775	2618198	SLV 11	0.53	2028	1.536	Si
121	713	24227	27216	SLV 9	0.4	886	1.094	124822	1338561	2171672	SLV 11	0.54	2140	1.57	Si
140	-30	-24227	-27216	SLV 7	0.41	943	1.122	152776	987552	1422107	SLV 11	0.46	1346	1.298	Si
159	-772	-24227	-27216	SLV 7	0.4	881	1.091	166872	639482	1422107	SLV 11	0.57	2474	1.666	Si
177	-1514	-24227	-27216	SLV 7	0.39	822	1.061	79076	898286	1422107	SLV 9	0.53	2015	1.532	Si
196	-2256	-24227	-30011	SLV 7	0.41	993	1.146	22299	1254807	1422107	SLV 9	0.4	929	1.115	Si
215	-2999	-24227	-30011	SLV 7	0.4	928	1.115	-48336	1612088	1938288	SLV 9	0.44	1204	1.24	Si
224	-3370	-24227	-30011	SLV 7	0.4	897	1.099	-88850	1790903	2087164	SLV 9	0.44	1160	1.222	Si
243	-4112	-24227	-30011	SLV 7	0.39	837	1.069	-109582	1875996	2322404	SLV 9	0.47	1377	1.311	Si
258	-4702	-24227	-30011	SLV 7	0.38	791	1.044	-109582	1875996	2322404	SLV 9	0.47	1377	1.311	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	4444	8509	30011	SLD 9	0.4	923	2.799	-79575	1137319	2772355	SLD 7	0.34	594	2.336	Si
37	4053	8509	30011	SLD 9	0.41	958	2.842	-79575	1137319	2772355	SLD 7	0.34	594	2.336	Si
56	3311	8509	30011	SLD 9	0.42	1032	2.93	-79575	1137319	2772355	SLD 7	0.34	594	2.336	Si
75	2568	8509	30011	SLD 9	0.43	1111	3.02	-5695	984328	2772355	SLD 11	0.38	792	2.628	Si
84	2197	8509	30011	SLD 9	0.44	1152	3.065	27337	905612	2772355	SLD 11	0.41	943	2.823	Si
103	1455	8509	27216	SLD 9	0.41	940	2.82	83009	748582	2618198	SLD 11	0.45	1265	3.185	Si
121	713	8509	27216	SLD 9	0.42	1012	2.906	124822	592272	2171672	SLD 11	0.46	1336	3.257	Si
140	-30	-8509	-27216	SLD 7	0.43	1085	2.991	152776	436934	1422107	SLD 11	0.39	850	2.706	Si
159	-772	-8509	-27216	SLD 7	0.42	1006	2.899	166872	282887	1422107	SLD 11	0.58	2474	4.193	Si
177	-1514	-8509	-27216	SLD 7	0.41	935	2.814	79076	397523	1422107	SLD 9	0.45	1258	3.178	Si
196	-2256	-8509	-30011	SLD 7	0.44	1146	3.058	22299	555302	1422107	SLD 9	0.34	602	2.349	Si
215	-2999	-8509	-30011	SLD 7	0.43	1065	2.968	-48336	713413	1938288	SLD 9	0.37	767	2.594	Si
224	-3370	-8509	-30011	SLD 7	0.42	1026	2.923	-88850	792544	2087164	SLD 9	0.37	741	2.558	Si
243	-4112	-8509	-30011	SLD 7	0.41	953	2.836	-109582	830201	2322404	SLD 9	0.39	868	2.729	Si
258	-4702	-8509	-30011	SLD 7	0.4	900	2.77	-109582	830201	2322404	SLD 9	0.39	868	2.729	Si

Campata 2 tra i fili 33 - 26, sezione R 45x70, asta 949

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	19.01	5.4						-240083	SLU 30	-180019	-3222510	0.102	Si
12	26.61	5.4	19.01	5.4						-181709	SLU 30	-167880	-3222510	0.102	Si
23	26.61	5.4	19.01	5.4						-134868	SLU 30	-134868	-3222510	0.102	Si
35	26.61	5.4	18.89	5.4	-34756	SLU 6	6218	2308710	0.09	-89218	SLU 30	-134868	-3222627	0.103	Si
47	26.17	5.4	17.32	5.4	-15827	SLU 6	15623	2122691	0.088	-55102	SLU 30	-134868	-3170170	0.103	Si
52	24.79	5.4	16.53	5.4	-8051	SLU 6	18216	2029737	0.088	-41076	SLU 30	-131054	-3007649	0.102	Si
64	22.04	5.4	14.96	5.4	6331	SLU 24	19421	1843746	0.087	-21297	SLU 12	-88919	-2682452	0.099	Si
76	19.29	5.4	11.4	5.4	15689	SLU 24	19421	1422107	0.084	-9084	SLU 12	-54870	-2357374	0.098	Si
87	21.91	6.1	11.4	5.4	19421	SLU 24	19421	1451752	0.088	-3835	SLU 12	-29871	-2638162	0.104	Si
99	14.62	6.7	11.4	5.4	17528	SLU 24	19421	1461522	0.092	-5550	SLU 12	-42693	-1765890	0.091	Si
111	16.27	6.8	11.4	5.4	10010	SLU 24	19421	1470581	0.094	-14229	SLU 12	-73770	-1952669	0.094	Si
122	17.92	6.9	11.4	5.4	-2567	SLU 6	19151	1479576	0.096	-30440	SLU 30	-112934	-2139421	0.097	Si
134	19.01	7	11.4	5.4	-16922	SLU 8	14398	1485575	0.097	-57462	SLU 29	-116511	-2262833	0.1	Si
140	19.01	7	11.4	5.4	-25749	SLU 8	9912	1485575	0.097	-74045	SLU 29	-116511	-2262833	0.1	Si
152	19.01	7	11.4	5.4						-116511	SLU 29	-116511	-2262833	0.1	Si
163	19.01	7	11.4	5.4						-160592	SLU 29	-147427	-2262833	0.1	Si
175	19.01	7	11.4	5.4						-215994	SLU 29	-158796	-2262833	0.1	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	19.01	5.4	1115889	SLV 11	974665	2322404	0.09	-1418226	SLV 5	-1197466	-3222510	0.102	Si
12	26.61	5.4	19.01	5.4	966647	SLV 11	933935	2322404	0.09	-1191743	SLV 5	-1140719	-3222510	0.102	Si
23	26.61	5.4	19.01	5.4	823175	SLV 11	823175	2322404	0.09	-986402	SLV 5	-986402	-3222510	0.102	Si
35	26.61	5.4	18.89	5.4	652080	SLV 11	823175	2308710	0.09	-755160	SLV 5	-986402	-3222627	0.103	Si
47	26.17	5.4	17.32	5.4	486845	SLV 11	823175	2122691	0.088	-545152	SLV 5	-986402	-3170170	0.103	Si
52	24.79	5.4	16.53	5.4	402298	SLV 11	810721	2029737	0.088	-442277	SLV 5	-968914	-3007649	0.102	Si
64	22.04	5.4	14.96	5.4	264373	SLV 15	650722	1843746	0.087	-275812	SLV 1	-753408	-2682452	0.099	Si
76	19.29	5.4	11.4	5.4	186627	SLV 15	485444	1422107	0.084	-180351	SLV 1	-543447	-2357374	0.098	Si
87	21.91	6.1	11.4	5.4	229484	SLV 9	623067	1451752	0.088	-216314	SLV 7	-639825	-2638162	0.104	Si
99	14.62	6.7	11.4	5.4	389113	SLV 9	783964	1461522	0.092	-379873	SLV 7	-831619	-1765890	0.091	Si
111	16.27	6.8	11.4	5.4	545852	SLV 9	947957	1470581	0.094	-551364	SLV 7	-1037331	-1952669	0.094	Si
122	17.92	6.9	11.4	5.4	704319	SLV 9	1108261	1479576	0.096	-735407	SLV 7	-1250178	-2139421	0.097	Si
134	19.01	7	11.4	5.4	867757	SLV 5	1120779	1485575	0.097	-935243	SLV 11	-1267495	-2262833	0.1	Si
140	19.01	7	11.4	5.4	949308	SLV 5	1120779	1485575	0.097	-1039052	SLV 11	-1267495	-2262833	0.1	Si
152	19.01	7	11.4	5.4	1120779	SLV 5	1120779	1485575	0.097	-1267495	SLV 11	-1267495	-2262833	0.1	Si
163	19.01	7	11.4	5.4	1265123	SLV 5	1232584	1485575	0.097	-1470954	SLV 11	-1420767	-2262833	0.1	Si
175	19.01	7	11.4	5.4	1415539	SLV 5	1273698	1485575	0.097	-1695649	SLV 11	-1477130	-2262833	0.1	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	19.01	5.4	409508	SLD 11	369182	2322404	0.09	-711846	SLD 5	-591984	-3222510	0.102	Si
12	26.61	5.4	19.01	5.4	364996	SLD 11	355623	2322404	0.09	-590091	SLD 5	-562408	-3222510	0.102	Si
23	26.61	5.4	19.01	5.4	318751	SLD 11	318751	2322404	0.09	-481978	SLD 5	-481978	-3222510	0.102	Si
35	26.61	5.4	18.89	5.4	259802	SLD 11	318751	2308710	0.09	-362882	SLD 5	-481978	-3222627	0.103	Si
47	26.17	5.4	17.32	5.4	199160	SLD 11	318751	2122691	0.088	-257467	SLD 5	-481978	-3170170	0.103	Si
52	24.79	5.4	16.53	5.4	166853	SLD 11	314643	2029737	0.088	-206832	SLD 5	-472836	-3007649	0.102	Si
64	22.04	5.4	14.96	5.4	113793	SLD 15	259311	1843746	0.087	-125233	SLD 1	-361997	-2682452	0.099	Si
76	19.29	5.4	11.4	5.4	84297	SLD 15	207326	1422107	0.084	-78021	SLD 1	-256628	-2357374	0.098	Si
87	21.91	6.1	11.4	5.4	105220	SLD 9	271060	1451752	0.088	-92050	SLD 7	-287817	-2638162	0.104	Si
99	14.62	6.7	11.4	5.4	174773	SLD 9	333648	1461522	0.092	-165533	SLD 7	-381303	-1765890	0.091	Si
111	16.27	6.8	11.4	5.4	240024	SLD 9	394590	1470581	0.094	-245536	SLD 7	-483964	-1952669	0.094	Si
122	17.92	6.9	11.4	5.4	303021	SLD 9	450882	1479576	0.096	-334109	SLD 7	-592800	-2139421	0.097	Si
134	19.01	7	11.4	5.4	365201	SLD 5	455084	1485575	0.097	-432687	SLD 11	-601800	-2262833	0.1	Si
140	19.01	7	11.4	5.4	395085	SLD 5	455084	1485575	0.097	-484828	SLD 11	-601800	-2262833	0.1	Si
152	19.01	7	11.4	5.4	455084	SLD 5	455084	1485575	0.097	-601800	SLD 11	-601800	-2262833	0.1	Si
163	19.01	7	11.4	5.4	502481	SLD 5	493001	1485575	0.097	-708313	SLD 11	-681184	-2262833	0.1	Si
175	19.01	7	11.4	5.4	548339	SLD 5	506945	1485575	0.097	-828449	SLD 11	-710377	-2262833	0.1	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.04	0	5350	SLU 30	5350	13605	76908	0	13605	1	Si
12	0	19.29	0	4657	SLU 30	4657	13014	76908	0	13014	1	Si
23	0.209	21.91	0	4013	SLU 30	4013	13577	76908	24240	24240	1	Si
35	0.209	14.62	0	3271	SLU 30	3271	11864	76908	24240	24240	1	Si
47	0.209	16.27	0	2578	SLU 30	2578	12294	76908	24240	24240	1	Si
52	0.209	17.09	0	2231	SLU 30	2231	12499	76908	24240	24240	1	Si
64	0.209	18.74	0	1538	SLU 30	1538	12889	76908	24240	24240	1	Si
76	0.209	19.01	0	845	SLU 30	845	12949	76908	24240	24240	1	Si
87	0.209	11.4	0	195	SLU 32	195	10922	76908	24240	24240	1	Si
99	0.209	19.01	0	-590	SLU 29	-590	-12824	-75385	-23759	-23759	1	Si
111	0.209	19.01	0	-1283	SLU 29	-1283	-12810	-75217	-23707	-23707	1	Si
122	0.209	19.01	0	-1976	SLU 29	-1976	-12798	-75081	-23664	-23664	1	Si
134	0.209	19.01	0	-2670	SLU 29	-2670	-12792	-75003	-23639	-23639	1	Si
140	0.209	19.01	0	-3016	SLU 29	-3016	-12792	-75003	-23639	-23639	1	Si
152	0.209	19.01	0	-3759	SLU 29	-3759	-12792	-75003	-23639	-23639	1	Si
163	0	14.62	0	-4402	SLU 29	-4402	-11720	-75003	0	-11720	1	Si
175	0	16.27	0	-5095	SLU 29	-5095	-12145	-75003	0	-12145	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.04	0	19656	SLV 5	23845	13605	76908	0	13605	1	Si
0	0	14.96	0	-12571	SLV 11	-16761	-11957	-76908	0	-11957	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
12	0	19.29	0	19192	SLV 5	23382	13014	76908	0	13014	1	Si
12	0	11.4	0	-13035	SLV 11	-17225	-10922	-76908	0	-10922	1	Si
23	0.209	21.91	0	18761	SLV 5	22951	13577	76908	24240	24240	1	Si
23	0.209	11.4	0	-13466	SLV 11	-17655	-10922	-76908	-24240	-24240	1	Si
35	0.209	14.62	0	18264	SLV 5	22454	11864	76908	24240	24240	1	Si
35	0.209	11.4	0	-13963	SLV 11	-18152	-10922	-76908	-24240	-24240	1	Si
47	0.209	16.27	0	17800	SLV 5	21990	12294	76908	24240	24240	1	Si
47	0.209	11.4	0	-14427	SLV 11	-18616	-10922	-76908	-24240	-24240	1	Si
52	0.209	17.09	0	17569	SLV 5	21758	12499	76908	24240	24240	1	Si
52	0.209	11.4	0	-14659	SLV 11	-18848	-10922	-76908	-24240	-24240	1	Si
64	0.209	18.74	0	17105	SLV 5	21294	12889	76908	24240	24240	1	Si
64	0.209	11.4	0	-15122	SLV 11	-19312	-10922	-76908	-24240	-24240	1	Si
76	0.209	19.01	0	16641	SLV 5	20830	12949	76908	24240	24240	1	Si
76	0.209	11.4	0	-15586	SLV 11	-19776	-10922	-76908	-24240	-24240	1	Si
87	0.209	11.4	0	16177	SLV 5	20367	10922	76908	24240	24240	1	Si
87	0.209	19.01	0	-16050	SLV 11	-20240	-12885	-76131	-23995	-23995	1	Si
99	0.209	11.4	0	15713	SLV 5	19903	10922	76908	24240	24240	1	Si
99	0.209	19.01	0	-16514	SLV 11	-20703	-12824	-75385	-23759	-23759	1	Si
111	0.209	11.4	0	15249	SLV 5	19439	10922	76908	24240	24240	1	Si
111	0.209	19.01	0	-16978	SLV 11	-21167	-12810	-75217	-23707	-23707	1	Si
122	0.209	11.4	0	14786	SLV 5	18975	10922	76908	24240	24240	1	Si
122	0.209	19.01	0	-17442	SLV 11	-21631	-12798	-75081	-23664	-23664	1	Si
134	0.209	11.4	0	14322	SLV 5	18511	10922	76908	24240	24240	1	Si
134	0.209	19.01	0	-17905	SLV 11	-22095	-12792	-75003	-23639	-23639	1	Si
140	0.209	11.4	0	14090	SLV 5	18279	10922	76908	24240	24240	1	Si
140	0.209	19.01	0	-18137	SLV 11	-22327	-12792	-75003	-23639	-23639	1	Si
152	0.209	11.4	0	13593	SLV 5	17782	10922	76908	24240	24240	1	Si
152	0.209	19.01	0	-18634	SLV 11	-22824	-12792	-75003	-23639	-23639	1	Si
163	0	11.4	0	13162	SLV 5	17352	10922	76908	0	10922	1	Si
163	0	14.62	0	-19065	SLV 11	-23254	-11720	-75003	0	-11720	1	Si
175	0	11.4	0	12698	SLV 5	16888	10922	76908	0	10922	1	Si
175	0	16.27	0	-19529	SLV 11	-23718	-12145	-75003	0	-12145	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.04	0	10673	SLD 5	10673	13605	76908	0	13605	1	Si
0	0	14.96	0	-3588	SLD 11	-3588	-11957	-76908	0	-11957	1	Si
12	0	19.29	0	10209	SLD 5	10209	13014	76908	0	13014	1	Si
12	0	11.4	0	-4052	SLD 11	-4052	-10922	-76908	0	-10922	1	Si
23	0.209	21.91	0	9778	SLD 5	9778	13577	76908	24240	24240	1	Si
23	0.209	11.4	0	-4483	SLD 11	-4483	-10922	-76908	-24240	-24240	1	Si
35	0.209	14.62	0	9281	SLD 5	9281	11864	76908	24240	24240	1	Si
35	0.209	11.4	0	-4980	SLD 11	-4980	-10922	-76908	-24240	-24240	1	Si
47	0.209	16.27	0	8817	SLD 5	8817	12294	76908	24240	24240	1	Si
47	0.209	11.4	0	-5444	SLD 11	-5444	-10922	-76908	-24240	-24240	1	Si
52	0.209	17.09	0	8586	SLD 5	8586	12499	76908	24240	24240	1	Si
52	0.209	11.4	0	-5676	SLD 11	-5676	-10922	-76908	-24240	-24240	1	Si
64	0.209	18.74	0	8122	SLD 5	8122	12889	76908	24240	24240	1	Si
64	0.209	11.4	0	-6139	SLD 11	-6139	-10922	-76908	-24240	-24240	1	Si
76	0.209	19.01	0	7658	SLD 5	7658	12949	76908	24240	24240	1	Si
76	0.209	11.4	0	-6603	SLD 11	-6603	-10922	-76908	-24240	-24240	1	Si
87	0.209	11.4	0	7194	SLD 5	7194	10922	76908	24240	24240	1	Si
87	0.209	19.01	0	-7067	SLD 11	-7067	-12885	-76131	-23995	-23995	1	Si
99	0.209	11.4	0	6730	SLD 5	6730	10922	76908	24240	24240	1	Si
99	0.209	19.01	0	-7531	SLD 11	-7531	-12824	-75385	-23759	-23759	1	Si
111	0.209	11.4	0	6266	SLD 5	6266	10922	76908	24240	24240	1	Si
111	0.209	19.01	0	-7995	SLD 11	-7995	-12810	-75217	-23707	-23707	1	Si
122	0.209	11.4	0	5803	SLD 5	5803	10922	76908	24240	24240	1	Si
122	0.209	19.01	0	-8459	SLD 11	-8459	-12798	-75081	-23664	-23664	1	Si
134	0.209	11.4	0	5339	SLD 5	5339	10922	76908	24240	24240	1	Si
134	0.209	19.01	0	-8922	SLD 11	-8922	-12792	-75003	-23639	-23639	1	Si
140	0.209	11.4	0	5107	SLD 5	5107	10922	76908	24240	24240	1	Si
140	0.209	19.01	0	-9154	SLD 11	-9154	-12792	-75003	-23639	-23639	1	Si
152	0.209	11.4	0	4610	SLD 5	4610	10922	76908	24240	24240	1	Si
152	0.209	19.01	0	-9651	SLD 11	-9651	-12792	-75003	-23639	-23639	1	Si
163	0	11.4	0	4179	SLD 5	4179	10922	76908	0	10922	1	Si
163	0	14.62	0	-10082	SLD 11	-10082	-11720	-75003	0	-11720	1	Si
175	0	11.4	0	3715	SLD 5	3715	10922	76908	0	10922	1	Si
175	0	16.27	0	-10546	SLD 11	-10546	-12145	-75003	0	-12145	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-172113	3	-128470	3	124.5	83.7	1837	-151169	2	-111401	2.6	93.4	0	+∞	Si
12	-129704	3	-119656	2.8	124.5	78	1837	-112548	2	-103392	2.5	93.4	0	+∞	Si
23	-95688	3	-95688	2.3	124.5	62.4	1837	-81614	2	-81614	1.9	93.4	0	+∞	Si
35	-62555	3	-95688	2.3	124.5	62.4	1837	-51540	2	-81614	1.9	93.4	0	+∞	Si
47	-37813	3	-95688	2.3	124.5	63.5	1837	-29153	2	-81614	2	93.4	0	+∞	Si
52	-27651	3	-92919	2.3	124.5	65	1837	-19989	2	-79097	2	93.4	0	+∞	Si
64	1939	6	13148	0.4	124.5	14.9	1837	370	1	11058	0.3	93.4	0	+∞	Si
64	-11744	3	-62337	1.6	124.5	48.9	1837	-5720	2	-51343	1.4	93.4	0	+∞	Si
76	9891	6	13148	0.4	124.5	19.4	1837	8062	1	11058	0.3	93.4	0	+∞	Si
76	-1726	3	-37645	1.1	124.5	33.7	1837								Si
87	13148	6	13148	0.4	124.5	19.5	1837	11058	1	11058	0.3	93.4	0	+∞	Si
99	11711	6	13148	0.4	124.5	19.6	1837	9360	1	11058	0.4	93.4	0	+∞	Si
111	5578	6	13148	0.4	124.5	19.6	1837	2967	1	11058	0.4	93.4	0	+∞	Si
111	-7007	3	-52216	1.6	124.5	58.1	1837	-2756	2	-44687	1.4	93.4	0	+∞	Si
122	-20546	3	-80811	2.5	124.5	82.3	1837	-15544	2	-70959	2.2	93.4	0	+∞	Si
134	-40303	2	-83422	2.5	124.5	80.5	1837	-33743	2	-73358	2.2	93.4	0	+∞	Si
140	-52416	2	-83422	2.5	124.5	80.5	1837	-44872	2	-73358	2.2	93.4	0	+∞	Si
152	-83422	2	-83422	2.5	124.5	80.5	1837	-73358	2	-73358	2.2	93.4	0	+∞	Si
163	-115593	2	-105989	3.2	124.5	102.3	1837	-102916	2	-94092	2.8	93.4	0	+∞	Si
175	-156016	2	-114288	3.4	124.5	110.3	1837	-140055	2	-101716	3.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara	Frequente	Quasi permanente	Verifica

	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
12	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
35	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
47	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
52	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
58	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
64	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
76	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
87	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
99	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
111	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
122	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
134	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
140	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
152	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
163	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	2648	20303	24240	SLV 5	0.39	827	1.063	-81614	904788	2322404	SLV 11	0.57	2474	1.666	Si
35	2151	20303	24240	SLV 5	0.39	874	1.088	-81614	904788	2308710	SLV 11	0.57	2474	1.666	Si
47	1687	20303	24240	SLV 5	0.4	919	1.11	-81614	904788	2122691	SLV 11	0.57	2474	1.666	Si
52	1455	20303	24240	SLV 5	0.41	943	1.122	-79097	889817	2029737	SLV 11	0.57	2474	1.666	Si
64	991	20303	24240	SLV 5	0.41	991	1.145	-51343	702065	1843746	SLV 11	0.57	2474	1.666	Si
76	527	20303	24240	SLV 5	0.42	1045	1.17	-29002	514446	1422107	SLV 11	0.57	2474	1.666	Si
87	64	-20303	-23995	SLV 11	0.43	1085	1.189	-8379	631446	1451752	SLV 9	0.57	2474	1.666	Si
99	-400	-20303	-23759	SLV 11	0.42	1004	1.151	-23827	807791	1461522	SLV 5	0.57	2474	1.666	Si
111	-864	-20303	-23707	SLV 11	0.41	948	1.125	-44687	992644	1470581	SLV 5	0.54	2131	1.567	Si
122	-1328	-20303	-23664	SLV 11	0.4	898	1.1	-70959	1179220	1479576	SLV 5	0.47	1430	1.331	Si
134	-1792	-20303	-23639	SLV 11	0.39	851	1.076	-73358	1194137	1485575	SLV 5	0.47	1403	1.321	Si
140	-2024	-20303	-23639	SLV 11	0.39	829	1.064	-73358	1194137	1485575	SLV 5	0.47	1403	1.321	Si
152	-2521	-20303	-23639	SLV 11	0.38	783	1.04	-73358	1194137	1485575	SLV 5	0.47	1403	1.321	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	2648	7131	24240	SLD 5	0.41	941	2.821	-81614	400364	2322404	SLD 11	0.6	2474	4.193	Si
35	2151	7131	24240	SLD 5	0.42	997	2.889	-81614	400364	2308710	SLD 11	0.6	2474	4.193	Si
47	1687	7131	24240	SLD 5	0.42	1054	2.955	-81614	400364	2122691	SLD 11	0.6	2474	4.193	Si
52	1455	7131	24240	SLD 5	0.43	1085	2.991	-79097	393739	2029737	SLD 11	0.6	2474	4.193	Si
64	991	7131	24240	SLD 5	0.44	1145	3.057	-51343	310654	1843746	SLD 11	0.6	2474	4.193	Si
76	527	7131	24240	SLD 5	0.44	1206	3.123	-29002	227626	1422107	SLD 11	0.6	2474	4.193	Si
87	64	-7131	-23995	SLD 11	0.45	1254	3.173	-8379	279438	1451752	SLD 9	0.6	2474	4.193	Si
99	-400	-7131	-23759	SLD 11	0.44	1159	3.073	-23827	357475	1461522	SLD 5	0.55	2184	3.984	Si
111	-864	-7131	-23707	SLD 11	0.43	1092	2.998	-44687	439277	1470581	SLD 5	0.46	1329	3.25	Si
122	-1328	-7131	-23664	SLD 11	0.42	1027	2.924	-70959	521841	1479576	SLD 5	0.4	898	2.767	Si
134	-1792	-7131	-23639	SLD 11	0.41	968	2.854	-73358	528442	1485575	SLD 5	0.4	883	2.748	Si
140	-2024	-7131	-23639	SLD 11	0.41	943	2.823	-73358	528442	1485575	SLD 5	0.4	883	2.748	Si
152	-2521	-7131	-23639	SLD 11	0.4	891	2.759	-73358	528442	1485575	SLD 5	0.4	883	2.748	Si

Campata 3 tra i fili 26 - 16, sezione R 45x70, asta 950

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	7	11.4	5.4						-365482	SLU 29	-264719	-2262833	0.1	Si
17	19.01	7	11.4	5.4						-221062	SLU 29	-215502	-2262833	0.1	Si
23	19.01	7	11.4	5.4	-76489	SLU 8	35676	1485575	0.097	-178504	SLU 29	-178504	-2262833	0.1	Si
34	19.01	7	11.4	5.4	-31448	SLU 8	87685	1485575	0.097	-93810	SLU 29	-178504	-2262833	0.1	Si
51	19.01	7	11.4	5.4	33252	SLU 35	165445	1485575	0.097	9736	SLU 2	-178504	-2262833	0.1	Si
68	19.01	7	11.4	5.4	111401	SLU 36	229144	1485575	0.097	69162	SLU 1	-60641	-2262833	0.1	Si
77	19.01	7	11.4	5.4	150409	SLU 30	254556	1485575	0.097	89833	SLU 1	-9162	-2262833	0.1	Si
94	19.01	7	11.4	5.4	217714	SLU 30	292503	1485575	0.097						Si
111	19.01	7	11.4	5.4	267851	SLU 30	313281	1485575	0.097						Si
128	19.01	7	11.4	5.4	300819	SLU 30	318079	1485575	0.097						Si
145	19.01	7	11.4	5.4	316618	SLU 30	318079	1485575	0.097						Si
162	19.01	7	11.4	5.4	315249	SLU 30	318079	1485575	0.097						Si
179	19.01	7	16.66	5.4	296711	SLU 30	318079	2106647	0.108						Si
196	19.01	7	18.95	5.4	261004	SLU 30	311117	2376742	0.114						Si
204	19.01	7	19.01	5.4	236713	SLU 30	301505	2383872	0.114						Si
221	19.01	7	19.01	5.4	175254	SLU 30	269404	2383872	0.114						Si
233	19.01	7	19.01	5.4	123453	SLU 30	238342	2383872	0.114						Si
238	19.01	7	19.01	5.4	96626	SLU 30	96626	2383872	0.114						Si
255	19.01	7	19.01	5.4	13675	SLU 12	13675	2383872	0.114	-41155	SLU 19	-27292	-2262086	0.094	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	7	11.4	5.4	1504077	SLV 11	1399552	1485575	0.097	-1973019	SLV 5	-1735647	-2262833	0.1	Si
17	19.01	7	11.4	5.4	1340689	SLV 11	1334192	1485575	0.097	-1619382	SLV 5	-1605564	-2262833	0.1	Si
23	19.01	7	11.4	5.4	1285059	SLV 11	1285059	1485575	0.097	-1507777	SLV 5	-1507777	-2262833	0.1	Si
34	19.01	7	11.4	5.4	1165899	SLV 11	1285059	1485575	0.097	-1277323	SLV 5	-1507777	-2262833	0.1	Si
51	19.01	7	11.4	5.4	979800	SLV 11	1285059	1485575	0.097	-946936	SLV 5	-1507777	-2262833	0.1	Si
68	19.01	7	11.4	5.4	782676	SLV 11	1112744	1485575	0.097	-628503	SLV 5	-1180659	-2262833	0.1	Si
77	19.01	7	11.4	5.4	680256	SLV 7	1019470	1485575	0.097	-474046	SLV 9	-1015700	-2262833	0.1	Si
94	19.01	7	11.4	5.4	469670	SLV 7	824636	1485575	0.097	-176621	SLV 9	-694732	-2262833	0.1	Si
111	19.01	7	11.4	5.4	254684	SLV 7	619610	1485575	0.097	102225	SLV 9	-386551	-2262833	0.1	Si
128	19.01	7	11.4	5.4	403351	SLV 5	852632	1485575	0.097	-5562	SLV 11	-438885	-2262833	0.1	Si
145	19.01	7	11.4	5.4	670215	SLV 5	1100360	1485575	0.097	-254527	SLV 11	-708008	-2262833	0.1	Si
162	19.01	7	11.4	5.4	925989	SLV 5	1336686	1485575	0.097	-515381	SLV 11	-988709	-2262833	0.1	Si
179	19.01	7	16.66	5.4	1170418	SLV 5	1561570	2106647	0.108	-787870	SLV 11	-1280949	-2262256	0.096	Si
196	19.01	7	18.95	5.4	1403430	SLV 5	1774994	2376742	0.114	-1071921	SLV 11	-1584708	-2262160	0.095	Si
204	19.01	7	19.01	5.4	1515643	SLV 5	1870648	2383872	0.114	-1218272	SLV 11	-1730317	-2262086	0.094	Si
221	19.01	7	19.01	5.4	1731475	SLV 5	1870648	2383872	0.114	-1519613	SLV 11	-1730317	-2262086	0.094	Si
233	19.01	7	19.01	5.4	1870648	SLV 5	1870648	2383872	0.114	-1730317	SLV 11	-1730317	-2262086	0.094	Si
238	19.01	7	19.01	5.4	1935838	SLV 5	1928128	2383872	0.114	-1832465	SLV 11	-1819758	-2262086	0.094	Si
255	19.01	7	19.01	5.4	2128724	SLV 5	2004591	2383872	0.114	-2156821	SLV 11	-1938738	-2262086	0.094	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	7	11.4	5.4	534875	SLD 11	525651	1485575	0.097	-1003817	SLD 5	-861745	-2262833	0.1	Si
17	19.01	7	11.4	5.4	515602	SLD 11	514768	1485575	0.097	-794296	SLD 5	-786140	-2262833	0.1	Si
23	19.01	7	11.4	5.4	506587	SLD 11	506587	1485575	0.097	-729306	SLD 5	-729306	-2262833	0.1	Si
34	19.01	7	11.4	5.4	484878	SLD 11	506587	1485575	0.097	-596303	SLD 5	-729306	-2262833	0.1	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
51	19.01	7	11.4	5.4	442745	SLD 11	506587	1485575	0.097	-409881	SLD 5	-729306	-2262833	0.1	Si
68	19.01	7	11.4	5.4	389327	SLD 11	473484	1485575	0.097	-235154	SLD 5	-541399	-2262833	0.1	Si
77	19.01	7	11.4	5.4	358508	SLD 7	452190	1485575	0.097	-152298	SLD 9	-448420	-2262833	0.1	Si
94	19.01	7	11.4	5.4	289525	SLD 7	401131	1485575	0.097	3525	SLD 9	-271226	-2262833	0.1	Si
111	19.01	7	11.4	5.4	212189	SLD 7	377567	1485575	0.097	144721	SLD 9	-106096	-2262833	0.1	Si
128	19.01	7	11.4	5.4	289368	SLD 5	492633	1485575	0.097	108421	SLD 11	-78885	-2262833	0.1	Si
145	19.01	7	11.4	5.4	412450	SLD 5	596293	1485575	0.097	3238	SLD 11	-203942	-2262833	0.1	Si
162	19.01	7	11.4	5.4	524219	SLD 5	688503	1485575	0.097	-113611	SLD 11	-340527	-2262833	0.1	Si
179	19.01	7	16.66	5.4	624563	SLD 5	769245	2106647	0.108	-242015	SLD 11	-488624	-2262256	0.096	Si
196	19.01	7	18.95	5.4	713449	SLD 5	838509	2376742	0.114	-381940	SLD 11	-648223	-2262160	0.095	Si
204	19.01	7	19.01	5.4	753590	SLD 5	866914	2383872	0.114	-456219	SLD 11	-726583	-2262086	0.094	Si
221	19.01	7	19.01	5.4	825265	SLD 5	866914	2383872	0.114	-613403	SLD 11	-726583	-2262086	0.094	Si
233	19.01	7	19.01	5.4	866914	SLD 5	866914	2383872	0.114	-726583	SLD 11	-726583	-2262086	0.094	Si
238	19.01	7	19.01	5.4	885460	SLD 5	883441	2383872	0.114	-782087	SLD 11	-775071	-2262086	0.094	Si
255	19.01	7	19.01	5.4	934171	SLD 5	905426	2383872	0.114	-962267	SLD 11	-839573	-2262086	0.094	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	9009	SLU 30	9009	12792	75003	0	12792	1	Si
17	0	19.01	0	7999	SLU 30	7999	12792	75003	0	12792	1	Si
23	0.215	19.01	0	7672	SLU 30	7672	12792	75003	24390	24390	1	Si
34	0.215	19.01	0	6989	SLU 30	6989	12792	75003	24390	24390	1	Si
51	0.215	11.4	0	5979	SLU 30	5979	10922	76908	25009	25009	1	Si
68	0.215	11.4	0	4969	SLU 30	4969	10922	76908	25009	25009	1	Si
77	0.215	11.4	0	4464	SLU 30	4464	10922	76908	25009	25009	1	Si
94	0.187	11.4	0	3454	SLU 30	3454	10922	76908	21675	21675	1	Si
111	0.187	11.4	0	2444	SLU 30	2444	10922	76908	21675	21675	1	Si
128	0.187	11.4	0	1434	SLU 30	1434	10922	76908	21675	21675	1	Si
145	0.187	11.4	0	447	SLU 12	447	10922	76908	21675	21675	1	Si
162	0.187	11.4	0	-687	SLU 24	-687	-10922	-76908	-21675	-21675	1	Si
179	0.201	11.4	0	-1604	SLU 29	-1604	-10922	-76908	-23342	-23342	1	Si
196	0.201	11.4	0	-2614	SLU 29	-2614	-10922	-76908	-23342	-23342	1	Si
204	0.201	11.4	0	-3119	SLU 29	-3119	-10922	-76908	-23342	-23342	1	Si
221	0.201	11.4	0	-4129	SLU 29	-4129	-10922	-76908	-23342	-23342	1	Si
233	0.201	15.51	0	-4812	SLU 29	-4812	-12101	-76908	-23342	-23342	1	Si
238	0	15.51	0	-5139	SLU 29	-5139	-12101	-76908	0	-12101	1	Si
255	0	19.01	0	-6148	SLU 29	-6148	-12792	-75003	0	-12792	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	21150	SLV 5	25106	12792	75003	0	12792	1	Si
0	0	11.4	0	-9283	SLV 11	-13239	-10922	-76908	0	-10922	1	Si
17	0	19.01	0	20474	SLV 5	24430	12792	75003	0	12792	1	Si
17	0	11.4	0	-9959	SLV 11	-13915	-10922	-76908	0	-10922	1	Si
23	0.215	19.01	0	20255	SLV 5	24211	12792	75003	24390	24390	1	Si
23	0.215	11.4	0	-10177	SLV 11	-14133	-10922	-76908	-25009	-25009	1	Si
34	0.215	19.01	0	19798	SLV 5	23754	12792	75003	24390	24390	1	Si
34	0.215	11.4	0	-10634	SLV 11	-14591	-10922	-76908	-25009	-25009	1	Si
51	0.215	19.01	0	19122	SLV 5	23078	12792	75003	24390	24390	1	Si
51	0.215	11.4	0	-11310	SLV 11	-15266	-10922	-76908	-25009	-25009	1	Si
68	0.215	19.01	0	18446	SLV 5	22402	12792	75003	24390	24390	1	Si
68	0.215	11.4	0	-11986	SLV 11	-15942	-10922	-76908	-25009	-25009	1	Si
77	0.215	19.01	0	18108	SLV 5	22064	12792	75003	24390	24390	1	Si
77	0.215	11.4	0	-12324	SLV 11	-16280	-10922	-76908	-25009	-25009	1	Si
94	0.187	19.01	0	17432	SLV 5	21388	12792	75003	21138	21138	1	No
94	0.187	11.4	0	-13000	SLV 11	-16956	-10922	-76908	-21675	-21675	1	Si
111	0.187	11.4	0	16756	SLV 5	20713	10922	76908	21675	21675	1	Si
111	0.187	11.4	0	-13676	SLV 11	-17632	-10922	-76908	-21675	-21675	1	Si
128	0.187	11.4	0	16081	SLV 5	20037	10922	76908	21675	21675	1	Si
128	0.187	19.01	0	-14352	SLV 11	-18308	-12792	-75003	-21138	-21138	1	Si
145	0.187	11.4	0	15405	SLV 5	19361	10922	76908	21675	21675	1	Si
145	0.187	19.01	0	-15028	SLV 11	-18984	-12792	-75003	-21138	-21138	1	Si
162	0.187	11.4	0	14729	SLV 5	18685	10922	76908	21675	21675	1	Si
162	0.187	19.01	0	-15703	SLV 11	-19660	-12792	-75003	-21138	-21138	1	Si
179	0.201	11.4	0	14053	SLV 5	18009	10922	76908	23342	23342	1	Si
179	0.201	19.01	0	-16379	SLV 11	-20336	-12792	-75003	-22764	-22764	1	Si
196	0.201	11.4	0	13377	SLV 5	17333	10922	76908	23342	23342	1	Si
196	0.201	19.01	0	-17055	SLV 11	-21011	-12792	-75003	-22764	-22764	1	Si
204	0.201	11.4	0	13039	SLV 5	16995	10922	76908	23342	23342	1	Si
204	0.201	19.01	0	-17393	SLV 11	-21349	-12792	-75003	-22764	-22764	1	Si
221	0.201	11.4	0	12363	SLV 5	16319	10922	76908	23342	23342	1	Si
221	0.201	19.01	0	-18069	SLV 11	-22025	-12792	-75003	-22764	-22764	1	Si
233	0.201	15.51	0	11906	SLV 5	15862	12101	76908	23342	23342	1	Si
233	0.201	19.01	0	-18526	SLV 11	-22482	-12792	-75003	-22764	-22764	1	Si
238	0	15.51	0	11687	SLV 5	15644	12101	76908	0	12101	1	Si
238	0	19.01	0	-18745	SLV 11	-22701	-12792	-75003	0	-12792	1	Si
255	0	17.8	0	11011	SLV 5	14968	12669	76908	0	12669	1	Si
255	0	19.01	0	-19421	SLV 11	-23377	-12792	-75003	0	-12792	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	12667	SLD 5	12667	12792	75003	0	12792	1	Si
0	0	11.4	0	-800	SLD 11	-800	-10922	-76908	0	-10922	1	Si
17	0	19.01	0	11991	SLD 5	11991	12792	75003	0	12792	1	Si
17	0	11.4	0	-1476	SLD 11	-1476	-10922	-76908	0	-10922	1	Si
23	0.215	19.01	0	11772	SLD 5	11772	12792	75003	24390	24390	1	Si
23	0.215	11.4	0	-1695	SLD 11	-1695	-10922	-76908	-25009	-25009	1	Si
34	0.215	19.01	0	11315	SLD 5	11315	12792	75003	24390	24390	1	Si
34	0.215	11.4	0	-2152	SLD 11	-2152	-10922	-76908	-25009	-25009	1	Si
51	0.215	19.01	0	10639	SLD 5	10639	12792	75003	24390	24390	1	Si
51	0.215	11.4	0	-2828	SLD 11	-2828	-10922	-76908	-25009	-25009	1	Si
68	0.215	19.01	0	9963	SLD 5	9963	12792	75003	24390	24390	1	Si
68	0.215	11.4	0	-3503	SLD 11	-3503	-10922	-76908	-25009	-25009	1	Si
77	0.215	19.01	0	9625	SLD 5	9625	12792	75003	24390	24390	1	Si
77	0.215	11.4	0	-3841	SLD 11	-3841	-10922	-76908	-25009	-25009	1	Si
94	0.187	11.4	0	8950	SLD 5	8950	10922	76908	21675	21675	1	Si
94	0.187	11.4	0	-4517	SLD 11	-4517	-10922	-76908	-21675	-21675	1	Si
111	0.187	11.4	0	8274	SLD 5	8274	10922	76908	21675	21675	1	Si
111	0.187	11.4	0	-5193	SLD 11	-5193	-10922	-76908	-21675	-21675	1	Si
128	0.187	11.4	0	7598	SLD 5	7598	10922	76908	21675	21675	1	Si
128	0.187	11.4	0	-5869	SLD 11	-5869	-10922	-76908	-21675	-21675	1	Si
145	0.187	11.4	0	6922	SLD 5	6922	10922	76908	21675	21675	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
145	0.187	11.4	0	-6545	SLD 11	-6545	-10922	-76908	-21675	-21675	1	Si
162	0.187	11.4	0	6246	SLD 5	6246	10922	76908	21675	21675	1	Si
162	0.187	19.01	0	-7221	SLD 11	-7221	-12792	-75003	-21138	-21138	1	Si
179	0.201	11.4	0	5570	SLD 5	5570	10922	76908	23342	23342	1	Si
179	0.201	19.01	0	-7897	SLD 11	-7897	-12792	-75003	-22764	-22764	1	Si
196	0.201	11.4	0	4894	SLD 5	4894	10922	76908	23342	23342	1	Si
196	0.201	19.01	0	-8573	SLD 11	-8573	-12792	-75003	-22764	-22764	1	Si
204	0.201	11.4	0	4556	SLD 5	4556	10922	76908	23342	23342	1	Si
204	0.201	19.01	0	-8911	SLD 11	-8911	-12792	-75003	-22764	-22764	1	Si
221	0.201	11.4	0	3881	SLD 5	3881	10922	76908	23342	23342	1	Si
221	0.201	19.01	0	-9586	SLD 11	-9586	-12792	-75003	-22764	-22764	1	Si
233	0.201	15.51	0	3423	SLD 5	3423	12101	76908	23342	23342	1	Si
233	0.201	19.01	0	-10044	SLD 11	-10044	-12792	-75003	-22764	-22764	1	Si
238	0	15.51	0	3205	SLD 5	3205	12101	76908	0	12101	1	Si
238	0	19.01	0	-10262	SLD 11	-10262	-12792	-75003	0	-12792	1	Si
255	0	17.8	0	2529	SLD 5	2529	12669	76908	0	12669	1	Si
255	0	19.01	0	-10938	SLD 11	-10938	-12792	-75003	0	-12792	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-262704	2	-189717	5.7	124.5	183.2	1837	-234471	2	-168047	5	93.4	0	+∞	Si
17	-158125	2	-154099	4.6	124.5	148.8	1837	-139347	2	-135686	4.1	93.4	0	+∞	Si
23	-127324	2	-127324	3.8	124.5	122.9	1837	-111359	2	-111359	3.3	93.4	0	+∞	Si
34	-66049	2	-127324	3.8	124.5	122.9	1837	-55712	2	-111359	3.3	93.4	0	+∞	Si
51	24842	8	121057	4	124.5	180.3	1837	20797	1	112826	3.7	93.4	0	+∞	Si
68	82064	9	166837	5.4	124.5	248.4	1837	77087	2	153833	5	93.4	0	+∞	Si
77	110235	3	185038	6	124.5	275.5	1837	103105	2	170028	5.6	93.4	0	+∞	Si
94	158641	3	212061	6.9	124.5	315.8	1837	146525	2	193800	6.3	93.4	0	+∞	Si
111	194543	3	226580	7.4	124.5	337.4	1837	178455	2	206082	6.7	93.4	0	+∞	Si
128	217940	3	229590	7.5	124.5	341.9	1837	198894	2	208010	6.8	93.4	0	+∞	Si
145	228833	3	229590	7.5	124.5	341.9	1837	207844	2	208010	6.8	93.4	0	+∞	Si
162	227221	3	229590	7.5	124.5	341.9	1837	205304	2	208010	6.8	93.4	0	+∞	Si
179	213106	3	229590	6.5	124.5	236.9	1837	191274	2	208010	5.9	93.4	0	+∞	Si
196	186486	3	224034	6.1	124.5	204.1	1837	165754	2	202069	5.5	93.4	0	+∞	Si
204	168487	3	216726	5.9	124.5	196.9	1837	148686	2	194824	5.3	93.4	0	+∞	Si
221	123110	3	192732	5.2	124.5	175.1	1837	105931	2	171717	4.7	93.4	0	+∞	Si
233	84967	3	169694	4.6	124.5	154.1	1837	70165	2	149830	4.1	93.4	0	+∞	Si
238	65229	3	65229	1.8	124.5	59.3	1837	51686	2	51686	1.4	93.4	0	+∞	Si
255	-24683	1	-20600	0.6	124.5	19.7	1837	-24683	1	-17121	0.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si
23	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
34	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
51	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
68	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.004	2	0.004	2	9999	Si
77	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.004	2	9999	Si
94	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
111	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.004	0.003	0.006	2	0.005	2	9999	Si
128	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.004	0.003	0.007	2	0.006	2	9999	Si
136	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.004	0.003	0.007	2	0.006	2	9999	Si
145	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.004	0.003	0.007	2	0.006	2	9999	Si
162	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.004	0.003	0.006	2	0.005	2	9999	Si
179	0.004	0.003	0.003	0.002	0.004	0.003	0.002	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
196	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.004	2	9999	Si
204	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.004	2	0.004	2	9999	Si
221	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
233	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
238	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5039	19172	24390	SLV 5	0.37	728	1.009	-111359	1396418	1485575	SLV 11	0.41	988	1.144	Si
34	4582	19172	24390	SLV 5	0.38	770	1.033	-111359	1396418	1485575	SLV 11	0.41	988	1.144	Si
51	3906	19172	24390	SLV 5	0.39	836	1.068	-111359	1396418	1485575	SLV 11	0.41	988	1.144	Si
68	3230	19172	24390	SLV 5	0.4	905	1.103	-33957	1146701	1485575	SLV 11	0.48	1459	1.342	Si
77	2892	19172	24390	SLV 5	0.41	941	1.121	1885	1017585	1485575	SLV 11	0.52	1884	1.49	Si
94	2216	19172	21138	SLV 5	0.36	689	0.987	64952	759684	1485575	SLV 11	0.57	2474	1.666	No
111	1540	19172	21675	SLV 5	0.38	802	1.05	116530	503081	1485575	SLV 7	0.57	2474	1.666	Si
128	864	19172	21675	SLV 5	0.39	869	1.085	206874	645759	1485575	SLV 5	0.57	2474	1.666	Si
145	189	-19172	-21138	SLV 11	0.4	922	1.112	196176	904184	1485575	SLV 5	0.51	1776	1.455	Si
162	-487	-19172	-21138	SLV 11	0.39	853	1.077	173988	1162697	1485575	SLV 5	0.41	955	1.128	Si
179	-1163	-19172	-22764	SLV 11	0.41	952	1.126	140310	1421259	2106647	SLV 5	0.5	1638	1.407	Si
196	-1839	-19172	-22764	SLV 11	0.4	881	1.091	95143	1679851	2376742	SLV 5	0.49	1559	1.379	Si
204	-2177	-19172	-22764	SLV 11	0.39	846	1.073	70165	1800483	2383872	SLV 5	0.46	1345	1.298	Si
221	-2853	-19172	-22764	SLV 11	0.38	780	1.038	70165	1800483	2383872	SLV 5	0.46	1345	1.298	Si
233	-3310	-19172	-22764	SLV 11	0.37	737	1.014	70165	1800483	2383872	SLV 5	0.46	1345	1.298	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5039	6733	24390	SLD 5	0.39	828	2.677	-111359	617947	1485575	SLD 11	0.35	640	2.409	Si
34	4582	6733	24390	SLD 5	0.4	876	2.739	-111359	617947	1485575	SLD 11	0.35	640	2.409	Si
51	3906	6733	24390	SLD 5	0.41	951	2.833	-111359	617947	1485575	SLD 11	0.35	640	2.409	Si
68	3230	6733	24390	SLD 5	0.42	1036	2.934	-33957	507442	1485575	SLD 11	0.4	916	2.79	Si
77	2892	6733	24390	SLD 5	0.43	1082	2.987	1885	450305	1485575	SLD 11	0.44	1177	3.092	Si
94	2216	6733	21675	SLD 5	0.39	840	2.693	64952	336178	1485575	SLD 11	0.56	2284	4.058	Si
111	1540	6733	21675	SLD 5	0.4	913	2.786	116530	222626	1485575	SLD 7	0.6	2474	4.193	Si
128	864	6733	21675	SLD 5	0.41	991	2.881	206874	285759	1485575	SLD 5	0.59	2474	4.193	Si
145	189	6733	21675	SLD 5	0.43	1081	2.986	196176	400117	1485575	SLD 5	0.43	1109	3.017	Si
162	-487	-6733	-21138	SLD 11	0.41	971	2.857	173988	514515	1485575	SLD 5	0.34	619	2.376	Si
179	-1163	-6733	-22764	SLD 11	0.43	1096	3.003	140310	628934	2106647	SLD 5	0.42	1022	2.918	Si
196	-1839	-6733	-22764	SLD 11	0.42	1006	2.899	95143	743366	2376742	SLD 5	0.41	972	2.859	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
204	-2177	-6733	-22764	SLD 11	0.41	963	2.848	70165	796748	2383872	SLD 5	0.39	849	2.704	Si
221	-2853	-6733	-22764	SLD 11	0.4	888	2.755	70165	796748	2383872	SLD 5	0.39	849	2.704	Si
233	-3310	-6733	-22764	SLD 11	0.39	839	2.691	70165	796748	2383872	SLD 5	0.39	849	2.704	Si

Campata 4 tra i fili 16 - 5, sezione R 45x70, asta 951

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	7	19.01	5.4	60635	SLU 18	60635	2383872	0.114						Si
23	19.01	7	19.01	5.4	243207	SLU 30	442231	2383872	0.114						Si
45	18.93	7	17.5	5.4	404516	SLU 30	564058	2205760	0.11						Si
68	15.72	6.8	14.45	5.4	533957	SLU 30	654355	1828046	0.1						Si
91	12.52	6.4	11.4	5.4	632877	SLU 30	714131	1449888	0.09						Si
102	7.6	5.4	11.4	5.4	670891	SLU 30	732573	1422093	0.084						Si
125	7.6	5.4	11.4	5.4	724028	SLU 30	746643	1422093	0.084						Si
147	7.6	5.4	11.4	5.4	746643	SLU 30	746643	1422093	0.084						Si
170	7.6	5.4	11.4	5.4	738737	SLU 30	746643	1422093	0.084						Si
193	7.6	5.4	11.4	5.4	700308	SLU 30	743126	1422093	0.084						Si
215	7.6	5.4	14.41	5.4	631358	SLU 30	713320	1779319	0.09						Si
238	13.92	5.4	15.21	5.4	531885	SLU 30	652992	1872862	0.089						Si
261	17.12	5.4	15.21	5.4	402140	SLU 29	562142	1872645	0.088						Si
272	18.73	5.4	15.21	5.4	325879	SLU 29	505271	1872582	0.088						Si
295	17.19	5.4	15.21	5.4	150465	SLU 29	368967	1872653	0.088	99760	SLU 8	-60429	-2108495	0.091	Si
317	13.97	5.4	14.43	5.4	-8438	SLU 19	200829	1781410	0.088	-60429	SLU 12	-60429	-1725868	0.087	Si
340	7.6	5.4	12.92	5.4						-293448	SLU 30	-168390	-971023	0.078	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	7	19.01	5.4	905610	SLV 11	865750	2383872	0.114	-856455	SLV 5	-686420	-2262086	0.094	Si
23	19.01	7	19.01	5.4	843452	SLV 7	843466	2383872	0.114	-537967	SLV 9	-537967	-2262086	0.094	Si
45	18.93	7	17.5	5.4	761795	SLV 7	843466	2205760	0.11	-237187	SLV 9	-537967	-2253515	0.095	Si
68	15.72	6.8	14.45	5.4	662128	SLV 7	786211	1828046	0.1	38928	SLV 9	-320105	-1891078	0.092	Si
91	12.52	6.4	11.4	5.4	546395	SLV 7	691471	1449888	0.09	290254	SLV 9	-37377	-1528244	0.087	Si
102	7.6	5.4	11.4	5.4	493756	SLV 3	722014	1422093	0.084						Si
125	7.6	5.4	11.4	5.4	661957	SLV 5	924180	1422093	0.084						Si
147	7.6	5.4	11.4	5.4	869688	SLV 5	1106330	1422093	0.084	127214	SLV 11	-127563	-970824	0.078	Si
170	7.6	5.4	11.4	5.4	1057544	SLV 5	1268210	1422093	0.084	-68033	SLV 11	-349228	-970824	0.078	Si
193	7.6	5.4	11.4	5.4	1225163	SLV 5	1409744	1422093	0.084	-283897	SLV 11	-591401	-970824	0.078	Si
215	7.6	5.4	14.41	5.4	1372451	SLV 5	1530900	1779319	0.09	-520282	SLV 11	-854049	-971176	0.079	Si
238	13.92	5.4	15.21	5.4	1499366	SLV 5	1631661	1872862	0.089	-777149	SLV 11	-1137155	-1720234	0.087	Si
261	17.12	5.4	15.21	5.4	1605890	SLV 5	1712017	1872645	0.088	-1054477	SLV 11	-1440708	-2100049	0.091	Si
272	18.73	5.4	15.21	5.4	1651502	SLV 5	1744540	1872582	0.088	-1200810	SLV 11	-1600151	-2289939	0.094	Si
295	17.19	5.4	15.21	5.4	1727419	SLV 5	1783219	1872653	0.088	-1508810	SLV 11	-1839778	-2108495	0.091	Si
317	13.97	5.4	14.43	5.4	1783219	SLV 5	1783219	1781410	0.088	-1839778	SLV 11	-1839778	-1725868	0.087	No
340	7.6	5.4	12.92	5.4	1818012	SLV 5	1805654	1602093	0.087	-2186128	SLV 11	-2007966	-971023	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	7	19.01	5.4	414463	SLD 11	414463	2383872	0.114	-365309	SLD 5	-251543	-2262086	0.094	Si
23	19.01	7	19.01	5.4	458404	SLD 7	486036	2383872	0.114	-152919	SLD 9	-152919	-2262086	0.094	Si
45	18.93	7	17.5	5.4	483344	SLD 7	488419	2205760	0.11	41264	SLD 9	-152919	-2253515	0.095	Si
68	15.72	6.8	14.45	5.4	488419	SLD 7	488419	1828046	0.1	212636	SLD 9	-11737	-1891078	0.092	Si
91	12.52	6.4	11.4	5.4	474999	SLD 7	536327	1449888	0.09						Si
102	7.6	5.4	11.4	5.4	466327	SLD 3	591494	1422093	0.084						Si
125	7.6	5.4	11.4	5.4	561478	SLD 5	687071	1422093	0.084						Si
147	7.6	5.4	11.4	5.4	662734	SLD 5	762401	1422093	0.084						Si
170	7.6	5.4	11.4	5.4	743806	SLD 5	817374	1422093	0.084						Si
193	7.6	5.4	11.4	5.4	804536	SLD 5	851957	1422093	0.084	136730	SLD 11	-33614	-970824	0.078	Si
215	7.6	5.4	14.41	5.4	844881	SLD 5	866134	1779319	0.09	7287	SLD 11	-189283	-971176	0.079	Si
238	13.92	5.4	15.21	5.4	864825	SLD 5	867142	1872862	0.089	-142607	SLD 11	-365392	-1720234	0.087	Si
261	17.12	5.4	15.21	5.4	864356	SLD 5	867142	1872645	0.088	-312942	SLD 11	-561938	-2100049	0.091	Si
272	18.73	5.4	15.21	5.4	856466	SLD 5	867142	1872582	0.088	-405774	SLD 11	-667873	-2289939	0.094	Si
295	17.19	5.4	15.21	5.4	825373	SLD 5	860924	1872653	0.088	-606764	SLD 11	-829927	-2108495	0.091	Si
317	13.97	5.4	14.43	5.4	773368	SLD 5	835333	1781410	0.088	-829927	SLD 11	-829927	-1725868	0.087	Si
340	7.6	5.4	12.92	5.4	701924	SLD 5	701924	1602093	0.087	-1070040	SLD 11	-944982	-971023	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.45	0	9093	SLU 29	9093	11818	76908	0	11818	1	Si
23	0.144	11.4	0	7756	SLU 29	7756	10922	76908	16673	16673	1	Si
45	0.144	11.4	0	6400	SLU 29	6400	10922	76908	16673	16673	1	Si
68	0.144	11.4	0	5053	SLU 29	5053	10922	76908	16673	16673	1	Si
91	0.144	11.4	0	3707	SLU 29	3707	10922	76908	16673	16673	1	Si
102	0.123	11.4	0	3034	SLU 29	3034	10922	76908	14306	14306	1	Si
125	0.123	11.4	0	1687	SLU 29	1687	10922	76908	14306	14306	1	Si
147	0.123	11.4	0	431	SLU 19	431	10922	76908	14306	14306	1	Si
170	0.123	11.4	0	-1022	SLU 30	-1022	-10922	-76908	-14306	-14306	1	Si
193	0.123	11.4	0	-2369	SLU 30	-2369	-10922	-76908	-14306	-14306	1	Si
215	0.123	11.4	0	-3715	SLU 30	-3715	-10922	-76908	-14306	-14306	1	Si
238	0.123	11.4	0	-5062	SLU 30	-5062	-10922	-76908	-14306	-14306	1	Si
261	0.158	11.4	0	-6408	SLU 30	-6408	-10922	-76908	-18340	-18340	1	Si
272	0.158	13.65	0	-7082	SLU 30	-7082	-11596	-76908	-18340	-18340	1	Si
295	0.158	14.43	0	-8428	SLU 30	-8428	-11814	-76908	-18340	-18340	1	Si
317	0.158	13.97	0	-9785	SLU 30	-9785	-11685	-76908	-18340	-18340	1	Si
340	0	13.97	0	-11121	SLU 30	-11121	-11685	-76908	0	-11685	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.72	0	14617	SLV 5	16820	12009	75003	0	12009	1	Si
0	0	14.45	0	-2327	SLV 11	-4530	-11818	-76908	0	-11818	1	Si
23	0.144	12.52	0	13723	SLV 5	15925	11130	75003	16260	16260	1	Si
23	0.144	11.4	0	-3222	SLV 11	-5424	-10922	-76908	-16673	-16673	1	Si
45	0.144	7.6	0	12815	SLV 5	15018	9426	75009	16261	16261	1	Si
45	0.144	11.4	0	-4129	SLV 11	-6332	-10922	-76908	-16673	-16673	1	Si
68	0.144	11.4	0	11914	SLV 5	14117	10922	76908	16673	16673	1	Si
68	0.144	11.4	0	-5031	SLV 11	-7233	-10922	-76908	-16673	-16673	1	Si
91	0.144	11.4	0	11013	SLV 5	13215	10922	76908	16673	16673	1	Si
91	0.144	11.4	0	-5932	SLV 11	-8134	-10922	-76908	-16673	-16673	1	Si
102	0.123	11.4	0	10562	SLV 5	12765	10922	76908	14306	14306	1	Si
102	0.123	11.4	0	-6382	SLV 11	-8585	-10922	-76908	-14306	-14306	1	Si
125	0.123	11.4	0	9661	SLV 5	11864	10922	76908	14306	14306	1	Si
125	0.123	11.4	0	-7283	SLV 11	-9486	-10922	-76908	-14306	-14306	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
147	0.123	11.4	0	8760	SLV 5	10962	10922	76908	14306	14306	1	Si
147	0.123	11.4	0	-8185	SLV 11	-10387	-10922	-76908	-14306	-14306	1	Si
170	0.123	11.4	0	7859	SLV 5	10061	10922	76908	14306	14306	1	Si
170	0.123	7.6	0	-9086	SLV 11	-11289	-9541	-76908	-14306	-14306	1	Si
193	0.123	11.4	0	6957	SLV 5	9160	10922	76908	14306	14306	1	Si
193	0.123	7.6	0	-9987	SLV 11	-12190	-9541	-76908	-14306	-14306	1	Si
215	0.123	11.4	0	6056	SLV 5	8259	10922	76908	14306	14306	1	Si
215	0.123	7.6	0	-10888	SLV 11	-13091	-9541	-76908	-14306	-14306	1	Si
238	0.123	11.4	0	5155	SLV 5	7358	10922	76908	14306	14306	1	Si
238	0.123	7.6	0	-11789	SLV 11	-13992	-9541	-76908	-14306	-14306	1	Si
261	0.158	11.4	0	4254	SLV 5	6457	10922	76908	18340	18340	1	Si
261	0.158	7.6	0	-12690	SLV 11	-14893	-9541	-76908	-18340	-18340	1	Si
272	0.158	13.65	0	3803	SLV 5	6006	11596	76908	18340	18340	1	Si
272	0.158	7.6	0	-13141	SLV 11	-15344	-9541	-76908	-18340	-18340	1	Si
295	0.158	14.43	0	2902	SLV 5	5105	11814	76908	18340	18340	1	Si
295	0.158	12.32	0	-14042	SLV 11	-16245	-11206	-76908	-18340	-18340	1	Si
317	0.158	14.43	0	1994	SLV 5	4197	11814	76908	18340	18340	1	Si
317	0.158	13.97	0	-14950	SLV 11	-17153	-11685	-76908	-18340	-18340	1	Si
340	0	14.43	0	1100	SLV 5	3302	11814	76908	0	11814	1	Si
340	0	13.97	0	-15845	SLV 11	-18047	-11685	-76908	0	-11685	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.72	0	9894	SLD 5	9894	12009	75003	0	12009	1	Si
23	0.144	12.52	0	9000	SLD 5	9000	11130	75003	16260	16260	1	Si
45	0.144	11.4	0	8092	SLD 5	8092	10922	76908	16673	16673	1	Si
68	0.144	11.4	0	7191	SLD 5	7191	10922	76908	16673	16673	1	Si
68	0.144	11.4	0	-308	SLD 11	-308	-10922	-76908	-16673	-16673	1	Si
91	0.144	11.4	0	6290	SLD 5	6290	10922	76908	16673	16673	1	Si
91	0.144	11.4	0	-1209	SLD 11	-1209	-10922	-76908	-16673	-16673	1	Si
102	0.123	11.4	0	5839	SLD 5	5839	10922	76908	14306	14306	1	Si
102	0.123	11.4	0	-1659	SLD 11	-1659	-10922	-76908	-14306	-14306	1	Si
125	0.123	11.4	0	4938	SLD 5	4938	10922	76908	14306	14306	1	Si
125	0.123	11.4	0	-2561	SLD 11	-2561	-10922	-76908	-14306	-14306	1	Si
147	0.123	11.4	0	4037	SLD 5	4037	10922	76908	14306	14306	1	Si
147	0.123	11.4	0	-3462	SLD 11	-3462	-10922	-76908	-14306	-14306	1	Si
170	0.123	11.4	0	3136	SLD 5	3136	10922	76908	14306	14306	1	Si
170	0.123	11.4	0	-4363	SLD 11	-4363	-10922	-76908	-14306	-14306	1	Si
193	0.123	11.4	0	2234	SLD 5	2234	10922	76908	14306	14306	1	Si
193	0.123	11.4	0	-5264	SLD 11	-5264	-10922	-76908	-14306	-14306	1	Si
215	0.123	11.4	0	1333	SLD 5	1333	10922	76908	14306	14306	1	Si
215	0.123	11.4	0	-6165	SLD 11	-6165	-10922	-76908	-14306	-14306	1	Si
238	0.123	11.4	0	432	SLD 5	432	10922	76908	14306	14306	1	Si
238	0.123	7.6	0	-7066	SLD 11	-7066	-9541	-76908	-14306	-14306	1	Si
261	0.158	7.6	0	-7968	SLD 11	-7968	-9541	-76908	-18340	-18340	1	Si
272	0.158	7.6	0	-8418	SLD 11	-8418	-9541	-76908	-18340	-18340	1	Si
295	0.158	12.32	0	-9319	SLD 11	-9319	-11206	-76908	-18340	-18340	1	Si
317	0.158	13.97	0	-10227	SLD 11	-10227	-11685	-76908	-18340	-18340	1	Si
340	0	13.97	0	-11122	SLD 11	-11122	-11685	-76908	0	-11685	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	35954	9	35954	1	124.5	32.7	1837	24577	2	24577	0.7	93.4	0	+∞	Si
23	172697	3	318535	8.7	124.5	289.3	1837	152742	2	287984	7.8	93.4	0	+∞	Si
45	290877	3	407960	11.4	124.5	401.3	1837	262304	2	371123	10.4	93.4	0	+∞	Si
68	385842	3	474415	14.6	124.5	561.9	1837	350528	2	433149	13.3	93.4	0	+∞	Si
91	458577	3	518641	17.9	124.5	772.2	1837	418325	2	474749	16.4	93.4	0	+∞	Si
102	486609	3	532417	19.3	124.5	792.7	1837	444563	2	487889	17.7	93.4	0	+∞	Si
125	525999	3	543298	19.7	124.5	808.9	1837	481720	2	498850	18.1	93.4	0	+∞	Si
147	543160	3	543404	19.7	124.5	809.1	1837	498451	2	499157	18.1	93.4	0	+∞	Si
170	538091	3	543404	19.7	124.5	809.1	1837	494755	2	499157	18.1	93.4	0	+∞	Si
193	510792	3	541093	19.6	124.5	805.6	1837	470633	2	497242	18.1	93.4	0	+∞	Si
215	461263	3	520074	17.4	124.5	618.2	1837	426084	2	478890	16	93.4	0	+∞	Si
238	389504	3	476825	14.4	124.5	535	1837	361109	2	440112	13.3	93.4	0	+∞	Si
261	295681	2	411346	11.9	124.5	460.3	1837	275707	2	380907	11	93.4	0	+∞	Si
272	240472	2	370270	10.5	124.5	413.9	1837	225346	2	343645	9.8	93.4	0	+∞	Si
295	113380	2	271665	7.9	124.5	304	1837	109304	2	253800	7.4	93.4	0	+∞	Si
317	-37935	3	-37935	1.2	124.5	46.2	1837	-28280	2	-28280	0.9	93.4	0	+∞	Si
340	-208506	3	-117764	2.6	124.5	40.6	1837	-184058	2	-101156	4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.007	2	9999	Si
45	0.008	0.006	0.007	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.015	2	0.013	2	9999	Si
68	0.011	0.009	0.009	0.007	0.011	0.009	0.009	0.007	0.01	0.009	0.022	2	0.019	2	9999	Si
91	0.014	0.011	0.012	0.009	0.013	0.011	0.011	0.009	0.013	0.011	0.027	2	0.024	2	9999	Si
102	0.015	0.012	0.013	0.01	0.014	0.012	0.012	0.01	0.014	0.012	0.029	2	0.026	2	9999	Si
125	0.017	0.014	0.014	0.011	0.016	0.014	0.013	0.011	0.016	0.014	0.033	2	0.029	2	9999	Si
147	0.018	0.015	0.015	0.012	0.017	0.015	0.014	0.012	0.017	0.015	0.035	2	0.03	2	9749	Si
159	0.018	0.015	0.015	0.012	0.017	0.015	0.014	0.012	0.017	0.015	0.035	2	0.031	2	9646	Si
170	0.018	0.015	0.015	0.012	0.017	0.015	0.014	0.012	0.017	0.015	0.035	2	0.031	2	9655	Si
193	0.018	0.014	0.015	0.012	0.017	0.014	0.014	0.012	0.016	0.014	0.034	2	0.03	2	9999	Si
215	0.016	0.013	0.013	0.011	0.015	0.013	0.013	0.011	0.015	0.013	0.031	2	0.027	2	9999	Si
238	0.014	0.012	0.012	0.009	0.014	0.012	0.011	0.009	0.013	0.012	0.027	2	0.024	2	9999	Si
261	0.012	0.009	0.01	0.008	0.011	0.009	0.009	0.008	0.011	0.009	0.022	2	0.019	2	9999	Si
272	0.01	0.008	0.008	0.007	0.01	0.008	0.008	0.007	0.009	0.008	0.019	2	0.017	2	9999	Si
295	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.011	2	9999	Si
317	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5251	10675	16260	SLV 5	0.37	767	1.031	152742	690710	2383872	SLV 7	0.57	2474	1.666	Si
45	4343	10675	16261	SLV 5	0.4	931	1.116	153654	689812	2205760	SLV 7	0.57	2474	1.666	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
68	3442	10675	16673	SLV 5	0.45	1223	1.248	233053	553158	1828046	SLV 7	0.57	2474	1.666	Si
91	2540	10675	16673	SLV 5	0.48	1456	1.341	327047	364424	1449888	SLV 7	0.57	2474	1.666	Si
102	2090	10675	14306	SLV 5	0.41	990	1.145	366384	271419	1422093	SLV 7	0.57	2474	1.666	Si
125	1189	10675	14306	SLV 5	0.44	1195	1.237	498850	425331	1422093	SLV 5	0.57	2474	1.666	Si
147	288	10675	14306	SLV 5	0.47	1425	1.329	489383	616947	1422093	SLV 5	0.54	2076	1.551	Si
170	-614	-10675	-14306	SLV 11	0.46	1339	1.296	459491	808719	1422093	SLV 5	0.43	1098	1.194	Si
193	-1515	-10675	-14306	SLV 11	0.43	1118	1.203	409171	1000573	1422093	SLV 5	0.37	733	1.012	Si
215	-2416	-10675	-14306	SLV 11	0.4	926	1.114	338425	-1192475	-971176	SLV 11	0.4	894	1.098	Si
238	-3317	-10675	-14306	SLV 11	0.37	764	1.029	247253	1384408	1872862	SLV 5	0.42	1060	1.177	Si
261	-4218	-10675	-18340	SLV 11	0.47	1453	1.34	135654	1576362	1872645	SLV 5	0.4	901	1.101	Si
272	-4669	-10675	-18340	SLV 11	0.46	1333	1.293	72195	1672346	1872582	SLV 5	0.39	852	1.076	Si
295	-5570	-10675	-18340	SLV 11	0.43	1113	1.201	-28280	1811498	1872653	SLV 5	0.38	800	1.049	Si
317	-6478	-10675	-18340	SLV 11	0.4	920	1.111	-28280	-1811498	-1725868	SLV 11	0.34	608	0.937	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5251	3749	16260	SLD 5	0.39	873	2.736	152742	305662	2383872	SLD 7	0.6	2474	4.193	Si
45	4343	3749	16673	SLD 5	0.44	1172	3.087	152742	305662	2205760	SLD 7	0.6	2474	4.193	Si
68	3442	3749	16673	SLD 5	0.47	1412	3.332	233053	-244790	-1891078	SLD 9	0.6	2474	4.193	Si
91	2540	3749	16673	SLD 5	0.5	1683	3.58	350528	137892	1449888	SLD 7	0.6	2474	4.193	Si
102	2090	3749	14306	SLD 5	0.44	1143	3.055	366384	120111	1422093	SLD 7	0.6	2474	4.193	Si
125	1189	3749	14306	SLD 5	0.47	1380	3.3	498850	188221	1422093	SLD 5	0.6	2474	4.193	Si
147	288	3749	14306	SLD 5	0.5	1647	3.549	489383	273018	1422093	SLD 5	0.46	1295	3.216	Si
170	-614	-3749	-14306	SLD 11	0.49	1547	3.459	459491	357884	1422093	SLD 5	0.36	705	2.506	Si
193	-1515	-3749	-14306	SLD 11	0.46	1291	3.211	409171	442785	1422093	SLD 5	0.31	477	2.135	Si
215	-2416	-3749	-14306	SLD 11	0.42	1063	2.966	338425	-527709	-971176	SLD 11	0.34	580	2.313	Si
238	-3317	-3749	-14306	SLD 11	0.39	869	2.73	320961	546181	1872862	SLD 5	0.38	806	2.647	Si
261	-4218	-3749	-18340	SLD 11	0.5	1680	3.578	135654	697592	1872645	SLD 5	0.34	585	2.321	Si
272	-4669	-3749	-18340	SLD 11	0.48	1540	3.452	72195	740068	1872582	SLD 5	0.33	552	2.267	Si
295	-5570	-3749	-18340	SLD 11	0.45	1285	3.205	-28280	801648	1872653	SLD 5	0.32	520	2.212	Si
317	-6478	-3749	-18340	SLD 11	0.42	1055	2.956	-28280	-801648	-1725868	SLD 11	0.29	404	1.995	Si

Campata 5 tra i fili 5 - 5, sezione R 45x70, asta 952

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	12.92	5.4						-2912	SLU 28	-166	-971023	0.078	Si
2	7.6	5.4	11.4	5.4						-2537	SLU 28	-165	-970824	0.078	Si
3	7.6	5.4	11.4	5.4						-2187	SLU 28	-163	-970824	0.078	Si
5	7.6	5.4	11.4	5.4						-1864	SLU 28	-159	-970824	0.078	Si
6	7.6	5.4	11.4	5.4						-1566	SLU 28	-153	-970824	0.078	Si
7	7.6	5.4	11.4	5.4						-1427	SLU 28	-150	-970824	0.078	Si
9	7.6	5.4	11.4	5.4						-1168	SLU 28	-142	-970824	0.078	Si
10	7.6	5.4	11.4	5.4						-935	SLU 29	-133	-970824	0.078	Si
12	7.6	5.4	11.4	5.4						-728	SLU 29	-122	-970824	0.078	Si
14	7.6	5.4	11.4	5.4						-547	SLU 29	-110	-970824	0.078	Si
15	7.6	5.4	11.4	5.4						-392	SLU 29	-96	-970824	0.078	Si
17	7.6	5.4	11.4	5.4						-262	SLU 29	-80	-970824	0.078	Si
18	7.6	5.4	11.4	5.4						-159	SLU 29	-63	-970824	0.078	Si
19	7.6	5.4	11.4	5.4						-116	SLU 29	-54	-970824	0.078	Si
20	0	0	0	0						-81	SLU 29	-44	0	0	Si
21	0	0	0	0						-52	SLU 29	-34	0	0	Si
22	0	0	0	0						-13	SLU 29	-13	0	0	Si
23	0	0	0	0	-8	SLU 4	0	0	0	-10	SLU 29	-10	0	0	Si
24	0	0	0	0	0	SLU 22	0	0	0	0	SLU 11	-10	0	0	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	12.92	5.4						-2240	SLV 11	-128	-971023	0.078	Si
2	7.6	5.4	11.4	5.4						-1952	SLV 11	-127	-970824	0.078	Si
3	7.6	5.4	11.4	5.4						-1683	SLV 11	-125	-970824	0.078	Si
5	7.6	5.4	11.4	5.4						-1434	SLV 11	-122	-970824	0.078	Si
6	7.6	5.4	11.4	5.4						-1205	SLV 11	-118	-970824	0.078	Si
7	7.6	5.4	11.4	5.4						-1098	SLV 11	-115	-970824	0.078	Si
9	7.6	5.4	11.4	5.4						-899	SLV 11	-109	-970824	0.078	Si
10	7.6	5.4	11.4	5.4						-719	SLV 11	-102	-970824	0.078	Si
12	7.6	5.4	11.4	5.4						-560	SLV 11	-94	-970824	0.078	Si
14	7.6	5.4	11.4	5.4						-421	SLV 11	-84	-970824	0.078	Si
15	7.6	5.4	11.4	5.4						-301	SLV 11	-74	-970824	0.078	Si
17	7.6	5.4	11.4	5.4						-202	SLV 11	-62	-970824	0.078	Si
18	7.6	5.4	11.4	5.4						-122	SLV 11	-48	-970824	0.078	Si
19	7.6	5.4	11.4	5.4						-90	SLV 11	-41	-970824	0.078	Si
20	0	0	0	0						-62	SLV 11	-34	0	0	Si
21	0	0	0	0						-40	SLV 11	-26	0	0	Si
22	0	0	0	0						-10	SLV 11	-10	0	0	Si
23	0	0	0	0	-8	SLV 5	0	0	0	-8	SLV 11	-8	0	0	Si
24	0	0	0	0	0	SLV 5	0	0	0	0	SLV 11	-8	0	0	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	12.92	5.4						-2240	SLD 11	-128	-971023	0.078	Si
2	7.6	5.4	11.4	5.4						-1952	SLD 11	-127	-970824	0.078	Si
3	7.6	5.4	11.4	5.4						-1683	SLD 11	-125	-970824	0.078	Si
5	7.6	5.4	11.4	5.4						-1434	SLD 11	-122	-970824	0.078	Si
6	7.6	5.4	11.4	5.4						-1205	SLD 11	-118	-970824	0.078	Si
7	7.6	5.4	11.4	5.4						-1098	SLD 11	-115	-970824	0.078	Si
9	7.6	5.4	11.4	5.4						-899	SLD 11	-109	-970824	0.078	Si
10	7.6	5.4	11.4	5.4						-719	SLD 11	-102	-970824	0.078	Si
12	7.6	5.4	11.4	5.4						-560	SLD 11	-94	-970824	0.078	Si
14	7.6	5.4	11.4	5.4						-421	SLD 11	-84	-970824	0.078	Si
15	7.6	5.4	11.4	5.4						-301	SLD 11	-74	-970824	0.078	Si
17	7.6	5.4	11.4	5.4						-202	SLD 7	-62	-970824	0.078	Si
18	7.6	5.4	11.4	5.4						-122	SLD 7	-48	-970824	0.078	Si
19	7.6	5.4	11.4	5.4						-90	SLD 7	-41	-970824	0.078	Si
20	0	0	0	0						-62	SLD 7	-34	0	0	Si
21	0	0	0	0						-40	SLD 7	-26	0	0	Si
22	0	0	0	0						-10	SLD 7	-10	0	0	Si
23	0	0	0	0	-8	SLD 9	0	0	0	-8	SLD 7	-8	0	0	Si
24	0	0	0	0	0	SLD 9	0	0	0	0	SLD 7	-8	0	0	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	0	0	244	SLU 28	244	8999	76908	0	8999	1	Si
2	0	0	0	228	SLU 28	228	8999	76908	0	8999	1	Si
3	0	0	0	212	SLU 28	212	8999	76908	0	8999	1	Si
5	0	0	0	195	SLU 28	195	8999	76908	0	8999	1	Si
6	0	0	0	179	SLU 28	179	8999	76908	0	8999	1	Si
7	0	0	0	171	SLU 28	171	8999	76908	0	8999	1	Si
9	0	0	0	155	SLU 28	155	8999	76908	0	8999	1	Si
10	0	0	0	138	SLU 28	138	8999	76908	0	8999	1	Si
12	0	0	0	122	SLU 28	122	8999	76908	0	8999	1	Si
14	0	0	0	106	SLU 28	106	8999	76908	0	8999	1	Si
15	0	0	0	90	SLU 28	90	8999	76908	0	8999	1	Si
17	0	0	0	73	SLU 28	73	8999	76908	0	8999	1	Si
18	0	0	0	57	SLU 28	57	8999	76908	0	8999	1	Si
19	0	0	0	49	SLU 28	49	8999	76908	0	8999	1	Si
21	0	0	0	33	SLU 28	33	9547	83337	0	9547	1	Si
22	0	0	0	16	SLU 28	16	9547	83337	0	9547	1	Si
23	0.743	0	0	14	SLU 28	14	9547	83337	93488	83337	1	Si
24	0.743	0	0	0	Ger.	0	-9547	-83337	-93488	-83337	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	0	0	188	SLV 11	188	8999	76908	0	8999	1	Si
2	0	0	0	175	SLV 11	175	8999	76908	0	8999	1	Si
3	0	0	0	163	SLV 11	163	8999	76908	0	8999	1	Si
5	0	0	0	150	SLV 11	150	8999	76908	0	8999	1	Si
6	0	0	0	138	SLV 11	138	8999	76908	0	8999	1	Si
7	0	0	0	131	SLV 11	131	8999	76908	0	8999	1	Si
9	0	0	0	119	SLV 11	119	8999	76908	0	8999	1	Si
10	0	0	0	106	SLV 11	106	8999	76908	0	8999	1	Si
12	0	0	0	94	SLV 11	94	8999	76908	0	8999	1	Si
14	0	0	0	81	SLV 11	81	8999	76908	0	8999	1	Si
15	0	0	0	69	SLV 11	69	8999	76908	0	8999	1	Si
17	0	0	0	56	SLV 11	56	8999	76908	0	8999	1	Si
18	0	0	0	44	SLV 11	44	8999	76908	0	8999	1	Si
19	0	0	0	38	SLV 11	38	8999	76908	0	8999	1	Si
21	0	0	0	25	SLV 11	25	9547	83337	0	9547	1	Si
22	0	0	0	13	SLV 11	13	9547	83337	0	9547	1	Si
23	0.743	0	0	11	SLV 11	11	9547	83337	93488	83337	1	Si
24	0.743	0	0	0	Ger.	0	9547	83337	93488	83337	1	Si
24	0.743	0	0	0	Ger.	0	-9547	-83337	-93488	-83337	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	0	0	188	SLD 9	188	8999	76908	0	8999	1	Si
2	0	0	0	175	SLD 9	175	8999	76908	0	8999	1	Si
3	0	0	0	163	SLD 9	163	8999	76908	0	8999	1	Si
5	0	0	0	150	SLD 9	150	8999	76908	0	8999	1	Si
6	0	0	0	138	SLD 9	138	8999	76908	0	8999	1	Si
7	0	0	0	131	SLD 9	131	8999	76908	0	8999	1	Si
9	0	0	0	119	SLD 9	119	8999	76908	0	8999	1	Si
10	0	0	0	106	SLD 9	106	8999	76908	0	8999	1	Si
12	0	0	0	94	SLD 9	94	8999	76908	0	8999	1	Si
14	0	0	0	81	SLD 9	81	8999	76908	0	8999	1	Si
15	0	0	0	69	SLD 9	69	8999	76908	0	8999	1	Si
17	0	0	0	56	SLD 9	56	8999	76908	0	8999	1	Si
18	0	0	0	44	SLD 9	44	8999	76908	0	8999	1	Si
19	0	0	0	38	SLD 9	38	8999	76908	0	8999	1	Si
21	0	0	0	25	SLD 9	25	9547	83337	0	9547	1	Si
22	0	0	0	13	SLD 9	13	9547	83337	0	9547	1	Si
23	0.743	0	0	11	SLD 9	11	9547	83337	93488	83337	1	Si
24	0.743	0	0	0	Ger.	0	9547	83337	93488	83337	1	Si
24	0.743	0	0	0	Ger.	0	-9547	-83337	-93488	-83337	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-2240	1	-128	0	124.5	0	1837	-2240	1	-128	0	93.4	0	+∞	Si
2	-1952	1	-127	0	124.5	0	1837	-1952	1	-127	0	93.4	0	+∞	Si
3	-1683	1	-125	0	124.5	0	1837	-1683	1	-125	0	93.4	0	+∞	Si
5	-1434	1	-122	0	124.5	0	1837	-1434	1	-122	0	93.4	0	+∞	Si
6	-1205	1	-118	0	124.5	0	1837	-1205	1	-118	0	93.4	0	+∞	Si
7	-1098	1	-115	0	124.5	0	1837	-1098	1	-115	0	93.4	0	+∞	Si
9	-899	1	-109	0	124.5	0	1837	-899	1	-109	0	93.4	0	+∞	Si
10	-719	2	-102	0	124.5	0	1837	-719	2	-102	0	93.4	0	+∞	Si
12	-560	2	-94	0	124.5	0	1837	-560	2	-94	0	93.4	0	+∞	Si
14	-421	2	-84	0	124.5	0	1837	-421	2	-84	0	93.4	0	+∞	Si
15	-301	2	-74	0	124.5	0	1837	-301	2	-74	0	93.4	0	+∞	Si
17	-202	2	-62	0	124.5	0	1837	-202	2	-62	0	93.4	0	+∞	Si
18	-122	2	-48	0	124.5	0	1837	-122	2	-48	0	93.4	0	+∞	Si
19	-90	2	-41	0	124.5	0	1837	-90	2	-41	0	93.4	0	+∞	Si
21	-40	2	-26	0	0	0	1837	-40	2	-26	0	0	0	+∞	Si
22	-10	2	-10	0	0	0	1837	-10	2	-10	0	0	0	+∞	Si
23	-8	2	-8	0	0	0	1837	-8	2	-8	0	0	0	+∞	Si
24	0	4	0	0	0	0	1837	0	1	0	0	0	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
2	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	1	0	1	9999	Si
3	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
5	-0.002	-0.002	0	-0.001	-0.002	-0.002	0	-0.001	-0.002	-0.002	-0.001	1	-0.001	1	9999	Si
6	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.002	1	-0.002	1	9999	Si
7	-0.002	-0.003	-0.001	-0.001	-0.002	-0.003	-0.001	-0.001	-0.002	-0.003	-0.002	1	-0.002	1	9999	Si
9	-0.003	-0.003	-0.001	-0.001	-0.003	-0.003	-0.001	-0.001	-0.003	-0.003	-0.002	1	-0.002	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
10	-0.003	-0.004	-0.001	-0.001	-0.003	-0.004	-0.001	-0.001	-0.003	-0.004	-0.002	1	-0.003	1	9999	Si
12	-0.004	-0.005	-0.001	-0.001	-0.004	-0.004	-0.001	-0.001	-0.004	-0.004	-0.003	1	-0.003	1	9999	Si
14	-0.004	-0.005	-0.001	-0.002	-0.004	-0.005	-0.001	-0.002	-0.004	-0.005	-0.003	1	-0.004	1	9785	Si
15	-0.005	-0.006	-0.001	-0.002	-0.005	-0.006	-0.001	-0.002	-0.005	-0.005	-0.004	1	-0.004	1	8755	Si
17	-0.005	-0.007	-0.002	-0.002	-0.005	-0.006	-0.002	-0.002	-0.005	-0.006	-0.004	1	-0.005	1	7921	Si
18	-0.006	-0.007	-0.002	-0.002	-0.006	-0.007	-0.002	-0.002	-0.006	-0.007	-0.004	1	-0.005	1	7232	Si
19	-0.006	-0.007	-0.002	-0.002	-0.006	-0.007	-0.002	-0.002	-0.006	-0.007	-0.005	1	-0.005	1	6930	Si
21	-0.007	-0.008	-0.002	-0.002	-0.007	-0.008	-0.002	-0.002	-0.007	-0.007	-0.005	1	-0.006	1	6397	Si
22	-0.007	-0.009	-0.002	-0.003	-0.007	-0.008	-0.002	-0.002	-0.007	-0.008	-0.005	1	-0.006	1	5939	Si
23	-0.007	-0.009	-0.002	-0.003	-0.007	-0.008	-0.002	-0.003	-0.007	-0.008	-0.005	1	-0.006	1	5877	Si
24	-0.008	-0.009	-0.002	-0.003	-0.008	-0.009	-0.002	-0.003	-0.008	-0.009	-0.006	1	-0.007	1	5543	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	11	0	83337	SLV 11	0.57	2474	1.666	-8	0	0	SLV 1	0	0	0	Si
24	0	0	-83337	SLV 5	0.57	2474	1.666	0	0	0	SLV 1	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	11	0	83337	SLD 9	0.6	2474	4.193	-8	0	0	SLD 1	0	0	0	Si
24	0	0	-83337	SLD 7	0.6	2474	4.193	0	0	0	SLD 1	0.6	2474	4.193	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 40-6

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 40 - 17, sezione R 45x70, asta 946

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-884271	SLU 30	-638704	-2323557	0.097	Si
28	19.01	5.4	11.4	5.4	-218258	SLU 1	49248	1422107	0.084	-412520	SLU 30	-412520	-2323557	0.097	Si
47	19.01	5.4	11.4	5.4	-42010	SLU 1	327160	1422107	0.084	-97199	SLU 36	-412520	-2323557	0.097	Si
95	14.53	5.4	11.4	5.4	569883	SLU 29	909668	1422107	0.084						Si
142	7.6	5.4	11.4	5.4	1103115	SLU 29	1364480	1422093	0.084						Si
189	7.6	5.4	11.4	5.4	1508651	SLU 29	1691596	1422093	0.084						No
213	7.6	5.4	11.4	5.4	1663533	SLU 29	1807269	1422093	0.084						No
260	7.6	5.4	11.4	5.4	1877526	SLU 29	1942842	1422093	0.084						No
284	7.6	5.4	11.4	5.4	1936637	SLU 29	1963824	1422093	0.084						No
308	7.6	5.4	11.4	5.4	1963824	SLU 29	1963824	1422093	0.084						No
355	7.6	5.4	11.4	5.4	1922426	SLU 29	1960168	1422093	0.084						No
402	7.6	5.4	11.4	5.4	1753333	SLU 29	1869495	1422093	0.084						No
450	7.6	5.4	11.4	5.4	1456545	SLU 29	1651126	1422093	0.084						No
497	7.6	5.4	11.4	5.4	1032061	SLU 29	1305062	1422093	0.084						Si
544	18.37	5.4	11.4	5.4	479882	SLU 29	831302	1422107	0.084						Si
568	23.94	5.4	11.4	5.4	155953	SLU 30	546536	1422107	0.084	74603	SLU 1	-288506	-2907357	0.108	Si
615	26.61	5.4	11.4	5.4						-587816	SLU 29	-1110648	-3221991	0.114	Si
663	26.61	5.4	11.4	5.4						-1459234	SLU 29	-1968273	-3221991	0.114	Si
688	26.61	5.4	11.4	5.4						-1968273	SLU 29	-1968273	-3221991	0.114	Si
710	26.61	5.4	11.4	5.4						-2458347	SLU 29	-2206472	-3221991	0.114	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4	1139965	SLV 7	1139965	1422107	0.084	-2308689	SLV 9	-2076950	-2323557	0.097	Si
28	19.01	5.4	11.4	5.4	1319525	SLV 7	1478521	1422107	0.084	-1857539	SLV 9	-1857539	-2323557	0.097	No
47	19.01	5.4	11.4	5.4	1433682	SLV 7	1569997	1422107	0.084	-1547603	SLV 9	-1857539	-2323557	0.097	No
95	14.53	5.4	11.4	5.4	1642301	SLV 7	1726499	1422107	0.084	-872503	SLV 9	-1278786	-1793301	0.089	No
142	7.6	5.4	11.4	5.4	1766121	SLV 7	1798553	1422093	0.084	-283692	SLV 9	-636944	-970824	0.078	No
166	7.6	5.4	11.4	5.4	1796410	SLV 7	1805797	1422093	0.084	-21822	SLV 9	-348416	-970824	0.078	No
189	7.6	5.4	11.4	5.4	1805797	SLV 7	1805797	1422093	0.084	218178	SLV 9	-81589	-970824	0.078	No
213	7.6	5.4	11.4	5.4	1794525	SLV 7	1805797	1422093	0.084						No
260	7.6	5.4	11.4	5.4	1712203	SLV 7	1770223	1422093	0.084						No
308	7.6	5.4	11.4	5.4	1563618	SLV 7	1659556	1422093	0.084						No
355	7.6	5.4	11.4	5.4	1453199	SLV 9	1504770	1422093	0.084						No
402	7.6	5.4	11.4	5.4	1494966	SLV 9	1511533	1422093	0.084						No
450	7.6	5.4	11.4	5.4	1511556	SLV 9	1511556	1422093	0.084						No
497	7.6	5.4	11.4	5.4	1453598	SLV 9	1496926	1422093	0.084	-79791	SLV 7	-440793	-970824	0.078	No
544	18.37	5.4	11.4	5.4	1313616	SLV 9	1407626	1422107	0.084	-681406	SLV 7	-1095991	-2247578	0.096	Si
568	23.94	5.4	11.4	5.4	1212183	SLV 9	1331969	1422107	0.084	-1014930	SLV 7	-1456090	-2907357	0.108	Si
615	26.61	5.4	11.4	5.4	945886	SLV 9	1117600	1422107	0.084	-1746859	SLV 7	-2240959	-3221991	0.114	Si
663	26.61	5.4	11.4	5.4	594656	SLV 9	818559	1422107	0.084	-2564942	SLV 7	-3029052	-3221991	0.114	Si
688	26.61	5.4	11.4	5.4	375817	SLV 9	627971	1422107	0.084	-3029052	SLV 7	-3029052	-3221991	0.114	Si
710	26.61	5.4	11.4	5.4	158258	SLV 9	158258	1422107	0.084	-3468942	SLV 7	-3244654	-3221991	0.114	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4	178632	SLD 7	178632	1422107	0.084	-1347356	SLD 9	-1153286	-2323557	0.097	Si
28	19.01	5.4	11.4	5.4	433895	SLD 7	672841	1422107	0.084	-971910	SLD 9	-971910	-2323557	0.097	Si
47	19.01	5.4	11.4	5.4	602625	SLD 7	818821	1422107	0.084	-716545	SLD 9	-971910	-2323557	0.097	Si
95	14.53	5.4	11.4	5.4	941270	SLD 7	1105118	1422107	0.084	-171473	SLD 9	-497934	-1793301	0.089	Si
142	7.6	5.4	11.4	5.4	1194703	SLD 7	1306355	1422093	0.084						Si
189	7.6	5.4	11.4	5.4	1363210	SLD 7	1423055	1422093	0.084						No
213	7.6	5.4	11.4	5.4	1415813	SLD 7	1450114	1422093	0.084						No
237	7.6	5.4	11.4	5.4	1447546	SLD 7	1458796	1422093	0.084						No
260	7.6	5.4	11.4	5.4	1458796	SLD 7	1458796	1422093	0.084						No
308	7.6	5.4	11.4	5.4	1424762	SLD 7	1452340	1422093	0.084						No
355	7.6	5.4	11.4	5.4	1359957	SLD 9	1397159	1422093	0.084						Si
402	7.6	5.4	11.4	5.4	1314843	SLD 9	1345288	1422093	0.084						Si
450	7.6	5.4	11.4	5.4	1210863	SLD 9	1282144	1422093	0.084						Si
497	7.6	5.4	11.4	5.4	1026196	SLD 9	1147627	1422093	0.084						Si
544	18.37	5.4	11.4	5.4	757539	SLD 9	930686	1422107	0.084	-125330	SLD 7	-460424	-2247578	0.096	Si
568	23.94	5.4	11.4	5.4	591414	SLD 9	790611	1422107	0.084	-394161	SLD 7	-755658	-2907357	0.108	Si
615	26.61	5.4	11.4	5.4	195326	SLD 9	446789	1422107	0.084	-996300	SLD 7	-1410509	-3221991	0.114	Si
663	26.61	5.4	11.4	5.4	-286035	SLD 9	17809	1422107	0.084	-1684252	SLD 7	-2079994	-3221991	0.114	Si
688	26.61	5.4	11.4	5.4						-2079994	SLD 7	-2079994	-3221991	0.114	Si
710	26.61	5.4	11.4	5.4						-2457911	SLD 7	-2264477	-3221991	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.88	0	18015	SLU 30	18015	12688	76908	0	12688	1	Si
28	0.158	14.53	0	16450	SLU 30	16450	11841	76908	18340	18340	1	Si
47	0.158	7.6	0	15319	SLU 30	15319	9541	76908	18340	18340	1	Si
95	0.158	11.4	0	12622	SLU 30	12622	10922	76908	18340	18340	1	Si
142	0.153	11.4	0	9924	SLU 30	9924	10922	76908	17729	17729	1	Si
189	0.153	11.4	0	7226	SLU 30	7226	10922	76908	17729	17729	1	Si
213	0.153	11.4	0	5878	SLU 30	5878	10922	76908	17729	17729	1	Si
260	0.153	11.4	0	3180	SLU 30	3180	10922	76908	17729	17729	1	Si
308	0.153	11.4	0	482	SLU 30	482	10922	76908	17729	17729	1	Si
355	0.153	11.4	0	-2223	SLU 29	-2223	-10922	-76908	-17729	-17729	1	Si
402	0.153	11.4	0	-4921	SLU 29	-4921	-10922	-76908	-17729	-17729	1	Si
450	0.153	11.4	0	-7619	SLU 29	-7619	-10922	-76908	-17729	-17729	1	Si
497	0.153	11.4	0	-10316	SLU 29	-10316	-10922	-76908	-17729	-17729	1	Si
544	0.153	11.4	0	-13014	SLU 29	-13014	-10922	-76908	-17729	-17729	1	Si
568	0.153	11.4	0	-14363	SLU 29	-14363	-10922	-76908	-17729	-17729	1	Si
615	0.153	18.37	0	-17060	SLU 29	-17060	-12802	-76908	-17729	-17729	1	Si
663	0.187	26.61	0	-19758	SLU 29	-19758	-14486	-76908	-21675	-21675	1	Si
688	0.187	26.61	0	-21173	SLU 29	-21173	-14486	-76908	-21675	-21675	1	Si
710	0	26.61	0	-22455	SLU 29	-22455	-14486	-76908	0	-14486	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.88	0	17006	SLV 9	18296	12688	76908	0	12688	1	Si
28	0.158	14.53	0	15957	SLV 9	17247	11841	76908	18340	18340	1	Si
47	0.158	7.6	0	15200	SLV 9	16490	9541	76908	18340	18340	1	Si
95	0.158	7.6	0	13393	SLV 9	14683	9541	76908	18340	18340	1	Si
142	0.153	7.6	0	11586	SLV 9	12876	9541	76908	17729	17729	1	Si
189	0.153	11.4	0	9778	SLV 9	11069	10922	76908	17729	17729	1	Si
189	0.153	11.4	0	-145	SLV 7	-1435	-10922	-76908	-17729	-17729	1	Si
213	0.153	11.4	0	8875	SLV 9	10165	10922	76908	17729	17729	1	Si
213	0.153	11.4	0	-1049	SLV 7	-2339	-10922	-76908	-17729	-17729	1	Si
260	0.153	11.4	0	7068	SLV 9	8358	10922	76908	17729	17729	1	Si
260	0.153	11.4	0	-2856	SLV 7	-4146	-10922	-76908	-17729	-17729	1	Si
308	0.153	11.4	0	5261	SLV 9	6551	10922	76908	17729	17729	1	Si
308	0.153	11.4	0	-4663	SLV 7	-5953	-10922	-76908	-17729	-17729	1	Si
355	0.153	11.4	0	3454	SLV 9	4744	10922	76908	17729	17729	1	Si
355	0.153	11.4	0	-6470	SLV 7	-7760	-10922	-76908	-17729	-17729	1	Si
402	0.153	11.4	0	1646	SLV 9	2936	10922	76908	17729	17729	1	Si
402	0.153	11.4	0	-8277	SLV 7	-9567	-10922	-76908	-17729	-17729	1	Si
450	0.153	11.4	0	-161	SLV 9	1129	10922	76908	17729	17729	1	Si
450	0.153	11.4	0	-10084	SLV 7	-11374	-10922	-76908	-17729	-17729	1	Si
497	0.153	7.6	0	-11892	SLV 7	-13182	-9541	-76908	-17729	-17729	1	Si
544	0.153	7.6	0	-13699	SLV 7	-14989	-9541	-76908	-17729	-17729	1	Si
568	0.153	7.6	0	-14602	SLV 7	-15892	-9541	-76908	-17729	-17729	1	Si
615	0.153	18.37	0	-16409	SLV 7	-17699	-12802	-76908	-17729	-17729	1	Si
663	0.187	26.61	0	-18216	SLV 7	-19507	-14486	-76908	-21675	-21675	1	Si
688	0.187	26.61	0	-19165	SLV 7	-20455	-14486	-76908	-21675	-21675	1	Si
710	0	26.61	0	-20024	SLV 7	-21314	-14486	-76908	0	-14486	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.88	0	14240	SLD 9	14240	12688	76908	0	12688	1	Si
28	0.158	14.53	0	13191	SLD 9	13191	11841	76908	18340	18340	1	Si
47	0.158	7.6	0	12434	SLD 9	12434	9541	76908	18340	18340	1	Si
95	0.158	7.6	0	10627	SLD 9	10627	9541	76908	18340	18340	1	Si
142	0.153	11.4	0	8819	SLD 9	8819	10922	76908	17729	17729	1	Si
189	0.153	11.4	0	7012	SLD 9	7012	10922	76908	17729	17729	1	Si
213	0.153	11.4	0	6109	SLD 9	6109	10922	76908	17729	17729	1	Si
260	0.153	11.4	0	4302	SLD 9	4302	10922	76908	17729	17729	1	Si
260	0.153	11.4	0	-90	SLD 7	-90	-10922	-76908	-17729	-17729	1	Si
308	0.153	11.4	0	2494	SLD 9	2494	10922	76908	17729	17729	1	Si
308	0.153	11.4	0	-1897	SLD 7	-1897	-10922	-76908	-17729	-17729	1	Si
355	0.153	11.4	0	687	SLD 9	687	10922	76908	17729	17729	1	Si
355	0.153	11.4	0	-3704	SLD 7	-3704	-10922	-76908	-17729	-17729	1	Si
402	0.153	11.4	0	-5511	SLD 7	-5511	-10922	-76908	-17729	-17729	1	Si
450	0.153	11.4	0	-7318	SLD 7	-7318	-10922	-76908	-17729	-17729	1	Si
497	0.153	11.4	0	-9125	SLD 7	-9125	-10922	-76908	-17729	-17729	1	Si
544	0.153	7.6	0	-10933	SLD 7	-10933	-9541	-76908	-17729	-17729	1	Si
568	0.153	7.6	0	-11836	SLD 7	-11836	-9541	-76908	-17729	-17729	1	Si
615	0.153	18.37	0	-13643	SLD 7	-13643	-12802	-76908	-17729	-17729	1	Si
663	0.187	26.61	0	-15450	SLD 7	-15450	-14486	-76908	-21675	-21675	1	Si
688	0.187	26.61	0	-16398	SLD 7	-16398	-14486	-76908	-21675	-21675	1	Si
710	0	26.61	0	-17257	SLD 7	-17257	-14486	-76908	0	-14486	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-640952	3	-462180	13.4	124.5	419.5	1837	-584362	2	-420193	12.1	93.4	0	+∞	Si
28	-297530	3	-297530	8.6	124.5	270	1837	-269007	2	-269007	7.8	93.4	0	+∞	Si
47	-67881	9	-297530	8.6	124.5	270	1837	-56960	2	-269007	7.8	93.4	0	+∞	Si
95	417289	2	664558	22	124.5	984.4	1837	384899	2	611970	20.3	93.4	0	+∞	Si
142	805317	2	995450	36.1	124.5	1482.1	1837	741215	2	915753	33.2	93.4	0	+∞	Si
189	1100307	2	1233304	44.8	124.5	1836.3	1837	1011988	2	1133993	41.2	93.4	0	+∞	Si
213	1212913	2	1317342	47.8	124.5	1961.4	1837	1115296	2	1211034	44	93.4	0	+∞	Si
260	1368346	2	1415639	51.4	124.5	2107.7	1837	1257754	2	1300959	47.2	93.4	0	+∞	Si
284	1411173	2	1430740	51.9	124.5	2130.2	1837	1296905	2	1314670	47.7	93.4	0	+∞	Si
308	1430740	2	1430740	51.9	124.5	2130.2	1837	1314670	2	1314670	47.7	93.4	0	+∞	Si
355	1400097	2	1427891	51.8	124.5	2126	1837	1286043	2	1311876	47.6	93.4	0	+∞	Si
402	1276415	2	1361345	49.4	124.5	2026.9	1837	1171873	2	1250239	45.4	93.4	0	+∞	Si
450	1059695	2	1201761	43.6	124.5	1789.3	1837	972160	2	1103059	40	93.4	0	+∞	Si
497	749937	2	949139	34.5	124.5	1413.2	1837	686904	2	870336	31.6	93.4	0	+∞	Si
544	347140	2	603479	19.1	124.5	892.2	1837	316105	2	552070	17.4	93.4	0	+∞	Si
568	110884	3	395760	11.7	124.5	583.8	1837	98627	2	360859	10.7	93.4	0	+∞	Si
615	-431501	2	-812729	21.1	124.5	534.9	1837	-400487	2	-751280	19.5	93.4	0	+∞	Si
663	-1066893	2	-1438029	37.4	124.5	946.4	1837	-985143	2	-1326617	34.5	93.4	0	+∞	Si
688	-1438029	2	-1438029	37.4	124.5	946.4	1837	-1326617	2	-1326617	34.5	93.4	0	+∞	Si
710	-1795323	2	-1611694	41.9	124.5	1060.7	1837	-1655342	2	-1486399	38.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
28	0.02	0.016	0.025	0.015	0.019	0.016	0.021	0.015	0.018	0.016	0.062	2	0.047	2	9999	Si
47	0.035	0.028	0.043	0.026	0.033	0.028	0.037	0.027	0.032	0.028	0.108	2	0.082	2	6567	Si
95	0.071	0.056	0.086	0.053	0.067	0.057	0.075	0.053	0.065	0.057	0.217	2	0.165	2	3271	Si
142	0.104	0.083	0.127	0.078	0.098	0.083	0.11	0.079	0.096	0.083	0.321	2	0.243	2	2213	Si
189	0.132	0.105	0.163	0.1	0.124	0.105	0.142	0.1	0.121	0.105	0.414	2	0.312	2	1715	Si
213	0.144	0.114	0.179	0.109	0.135	0.114	0.155	0.109	0.132	0.114	0.454	2	0.342	2	1564	Si
260	0.161	0.128	0.203	0.122	0.151	0.128	0.176	0.123	0.148	0.128	0.515	2	0.39	2	1380	Si
308	0.17	0.135	0.216	0.13	0.159	0.135	0.187	0.13	0.156	0.135	0.545	2	0.414	2	1303	Si
331	0.171	0.136	0.217	0.13	0.161	0.136	0.188	0.131	0.157	0.136	0.548	2	0.417	2	1295	Si
355	0.17	0.135	0.215	0.129	0.16	0.135	0.186	0.13	0.156	0.135	0.543	2	0.413	2	1307	Si
402	0.161	0.128	0.202	0.122	0.151	0.128	0.175	0.122	0.148	0.128	0.51	2	0.388	2	1392	Si
450	0.145	0.115	0.179	0.109	0.136	0.115	0.155	0.109	0.133	0.115	0.45	2	0.343	2	1577	Si
497	0.122	0.097	0.149	0.091	0.114	0.097	0.129	0.091	0.112	0.097	0.375	2	0.286	2	1895	Si
544	0.094	0.074	0.115	0.07	0.088	0.075	0.099	0.07	0.086	0.075	0.289	2	0.221	2	2453	Si
568	0.079	0.063	0.097	0.059	0.074	0.063	0.084	0.059	0.073	0.063	0.245	2	0.187	2	2899	Si
615	0.049	0.039	0.061	0.036	0.046	0.039	0.053	0.037	0.045	0.039	0.156	2	0.118	2	4560	Si
663	0.021	0.017	0.027	0.016	0.02	0.017	0.024	0.016	0.02	0.017	0.071	2	0.054	2	9958	Si
688	0.009	0.007	0.012	0.007	0.009	0.007	0.01	0.007	0.008	0.007	0.031	2	0.024	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	10995	6252	18340	SLV 9	0.42	1061	1.178	-269007	1588532	1422107	SLV 7	0.39	829	1.064	Si
47	10238	6252	18340	SLV 9	0.47	1376	1.31	222644	1347352	1422107	SLV 7	0.33	537	0.891	No
95	8431	6252	18340	SLV 9	0.56	2356	1.633	611970	1114529	1422107	SLV 7	0.27	341	0.739	No
142	6624	6252	17729	SLV 9	0.57	2474	1.666	915753	882800	1422093	SLV 7	0.21	203	0.598	No
189	4817	6252	17729	SLV 9	0.57	2474	1.666	1133993	653346	1422093	SLV 7	0.17	118	0.479	No
213	3913	6252	17729	SLV 9	0.57	2474	1.666	1211034	540401	1422093	SLV 7	0.15	92	0.432	No
260	2106	6252	17729	SLV 9	0.57	2474	1.666	1300959	324685	1422093	SLV 7	0.14	84	0.416	No
308	299	6252	17729	SLV 9	0.57	2474	1.666	1287970	371586	1422093	SLV 7	0.14	79	0.406	No
355	-1508	-6252	-17729	SLV 7	0.57	2474	1.666	1311876	192895	1422093	SLV 7	0.21	202	0.597	No
402	-3315	-6252	-17729	SLV 7	0.57	2474	1.666	1250239	214860	1422093	SLV 9	0.29	420	0.805	No
450	-5123	-6252	-17729	SLV 7	0.57	2474	1.666	972160	539396	1422093	SLV 9	0.31	460	0.836	No
497	-6930	-6252	-17729	SLV 7	0.57	2474	1.666	870336	626590	1422093	SLV 9	0.32	523	0.881	No
544	-8737	-6252	-17729	SLV 7	0.51	1817	1.468	552070	855556	1422107	SLV 9	0.37	741	1.017	Si
568	-9640	-6252	-17729	SLV 7	0.47	1370	1.308	360859	971110	1422107	SLV 9	0.4	883	1.092	Si
615	-11448	-6252	-17729	SLV 7	0.37	720	1.005	-85721	1203321	1422107	SLV 9	0.45	1259	1.263	Si
663	-13255	-6252	-21675	SLV 7	0.48	1524	1.366	-1326617	-1702434	-3221991	SLV 7	0.4	924	1.113	Si
688	-14203	-6252	-21675	SLV 7	0.43	1110	1.2	-1326617	-1702434	-3221991	SLV 7	0.4	924	1.113	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	10995	2196	18340	SLD 9	0.45	1225	3.143	-269007	702902	1422107	SLD 7	0.33	538	2.243	Si
47	10238	2196	18340	SLD 9	0.49	1590	3.498	222644	596176	1422107	SLD 7	0.28	361	1.905	Si
95	8431	2196	18340	SLD 9	0.59	2474	4.193	611970	493148	1422107	SLD 7	0.23	232	1.589	Si
142	6624	2196	17729	SLD 9	0.6	2474	4.193	915753	390603	1422093	SLD 7	0.18	140	1.292	Si
189	4817	2196	17729	SLD 9	0.6	2474	4.193	1133993	289063	1422093	SLD 7	0.14	82	1.037	No
213	3913	2196	17729	SLD 9	0.6	2474	4.193	1211034	239080	1422093	SLD 7	0.12	65	0.943	No
260	2106	2196	17729	SLD 9	0.6	2474	4.193	1257754	201042	1422093	SLD 7	0.12	56	0.887	No
308	299	2196	17729	SLD 9	0.6	2474	4.193	1287970	164370	1422093	SLD 7	0.12	56	0.887	No
355	-1508	-2196	-17729	SLD 7	0.6	2474	4.193	1311876	85283	1422093	SLD 7	0.18	139	1.288	Si
402	-3315	-2196	-17729	SLD 7	0.6	2474	4.193	1250239	95049	1422093	SLD 9	0.25	286	1.731	Si
450	-5123	-2196	-17729	SLD 7	0.6	2474	4.193	1103059	179085	1422093	SLD 9	0.25	277	1.709	Si
497	-6930	-2196	-17729	SLD 7	0.6	2474	4.193	870336	277291	1422093	SLD 9	0.27	352	1.885	Si
544	-8737	-2196	-17729	SLD 7	0.54	2101	3.921	552070	378616	1422107	SLD 9	0.31	483	2.146	Si
568	-9640	-2196	-17729	SLD 7	0.49	1583	3.492	360859	429752	1422107	SLD 9	0.33	573	2.302	Si
615	-11448	-2196	-17729	SLD 7	0.38	819	2.665	-85721	532510	1422107	SLD 9	0.38	799	2.638	Si
663	-13255	-2196	-21675	SLD 7	0.51	1762	3.648	-1326617	-753377	-3221991	SLD 7	0.34	600	2.346	Si
688	-14203	-2196	-21675	SLD 7	0.45	1281	3.201	-1326617	-753377	-3221991	SLD 7	0.34	600	2.346	Si

Campata 2 tra i fili 17 - 6, sezione R 45x70, asta 947

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	11.4	5.4						-1303567	SLU 29	-1174014	-3221991	0.114	Si
23	26.61	5.4	11.4	5.4						-1058834	SLU 29	-1058834	-3221991	0.114	Si
45	26.61	5.4	11.4	5.4						-839863	SLU 29	-1058834	-3221991	0.114	Si
68	26.61	5.4	11.4	5.4						-651930	SLU 29	-899158	-3221991	0.114	Si
91	26.61	5.4	11.4	5.4						-493276	SLU 29	-702953	-3221991	0.114	Si
102	26.61	5.4	11.4	5.4						-424929	SLU 29	-615831	-3221991	0.114	Si
125	26.61	5.4	11.4	5.4						-310194	SLU 29	-463545	-3221991	0.114	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
147	26.61	5.4	11.4	5.4						-224739	SLU 29	-340539	-3221991	0.114	Si
170	26.61	5.4	11.4	5.4						-168562	SLU 29	-246812	-3221991	0.114	Si
193	26.61	5.4	11.4	5.4						-141665	SLU 29	-182364	-3221991	0.114	Si
215	26.61	5.4	11.4	5.4						-144047	SLU 29	-191850	-3221991	0.114	Si
238	26.61	5.4	11.4	5.4						-176457	SLU 30	-261926	-3221991	0.114	Si
261	26.61	5.4	11.4	5.4						-238263	SLU 30	-361282	-3221991	0.114	Si
272	26.61	5.4	11.4	5.4						-280145	SLU 30	-421940	-3221991	0.114	Si
295	26.61	5.4	11.4	5.4						-385869	SLU 30	-522026	-3221991	0.114	Si
317	26.61	5.4	11.4	5.4						-522026	SLU 30	-522026	-3221991	0.114	Si
340	26.61	5.4	11.4	5.4						-685155	SLU 30	-596405	-3221991	0.114	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	11.4	5.4	965049	SLV 11	901858	1422107	0.084	-2712382	SLV 5	-2475216	-3221991	0.114	Si
23	26.61	5.4	11.4	5.4	828153	SLV 11	828153	1422107	0.084	-2246792	SLV 5	-2246792	-3221991	0.114	Si
45	26.61	5.4	11.4	5.4	669833	SLV 11	828153	1422107	0.084	-1794281	SLV 5	-2246792	-3221991	0.114	Si
68	26.61	5.4	11.4	5.4	493400	SLV 11	715622	1422107	0.084	-1365248	SLV 5	-1919741	-3221991	0.114	Si
91	26.61	5.4	11.4	5.4	298149	SLV 11	544587	1422107	0.084	-956625	SLV 5	-1485024	-3221991	0.114	Si
102	26.61	5.4	11.4	5.4	193733	SLV 11	451940	1422107	0.084	-760233	SLV 5	-1275247	-3221991	0.114	Si
125	26.61	5.4	11.4	5.4	-25447	SLV 11	252728	1422107	0.084	-386523	SLV 5	-871194	-3221991	0.114	Si
147	26.61	5.4	11.4	5.4	30312	SLV 9	452804	1422107	0.084	-326982	SLV 7	-660221	-3221991	0.114	Si
170	26.61	5.4	11.4	5.4	361924	SLV 9	765237	1422107	0.084	-582520	SLV 7	-946891	-3221991	0.114	Si
193	26.61	5.4	11.4	5.4	679316	SLV 9	1059620	1422107	0.084	-863067	SLV 7	-1254739	-3221991	0.114	Si
215	26.61	5.4	11.4	5.4	978896	SLV 9	1335366	1422107	0.084	-1165030	SLV 7	-1583178	-3221991	0.114	Si
238	26.61	5.4	11.4	5.4	1259960	SLV 9	1592135	1422107	0.084	-1487706	SLV 7	-1931869	-3221991	0.114	No
261	26.61	5.4	11.4	5.4	1522123	SLV 9	1829713	1422107	0.084	-1830709	SLV 7	-2300597	-3221991	0.114	No
272	26.61	5.4	11.4	5.4	1646038	SLV 9	1941262	1422107	0.084	-2009754	SLV 7	-2492431	-3221991	0.114	No
295	26.61	5.4	11.4	5.4	1879426	SLV 9	2094931	1422107	0.084	-2382824	SLV 7	-2778771	-3221991	0.114	No
317	26.61	5.4	11.4	5.4	2094931	SLV 9	2094931	1422107	0.084	-2778771	SLV 7	-2778771	-3221991	0.114	No
340	26.61	5.4	11.4	5.4	2288075	SLV 9	2191054	1422107	0.084	-3188521	SLV 7	-2973569	-3221991	0.114	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	11.4	5.4						-1687368	SLD 5	-1533921	-3221991	0.114	Si
23	26.61	5.4	11.4	5.4						-1389709	SLD 5	-1389709	-3221991	0.114	Si
45	26.61	5.4	11.4	5.4						-1107456	SLD 5	-1389709	-3221991	0.114	Si
68	26.61	5.4	11.4	5.4						-847185	SLD 5	-1185183	-3221991	0.114	Si
91	26.61	5.4	11.4	5.4						-606880	SLD 5	-919308	-3221991	0.114	Si
102	26.61	5.4	11.4	5.4						-494333	SLD 5	-793826	-3221991	0.114	Si
125	26.61	5.4	11.4	5.4						-285878	SLD 5	-557922	-3221991	0.114	Si
147	26.61	5.4	11.4	5.4	-69280	SLD 9	142569	1422107	0.084	-227390	SLD 7	-349986	-3221991	0.114	Si
170	26.61	5.4	11.4	5.4	98677	SLD 9	288014	1422107	0.084	-319273	SLD 7	-469668	-3221991	0.114	Si
193	26.61	5.4	11.4	5.4	249406	SLD 9	414537	1422107	0.084	-433157	SLD 7	-609656	-3221991	0.114	Si
215	26.61	5.4	11.4	5.4	381318	SLD 9	521878	1422107	0.084	-567452	SLD 7	-769690	-3221991	0.114	Si
238	26.61	5.4	11.4	5.4	494101	SLD 9	609887	1422107	0.084	-721847	SLD 7	-949621	-3221991	0.114	Si
261	26.61	5.4	11.4	5.4	587586	SLD 9	678469	1422107	0.084	-896171	SLD 7	-1149353	-3221991	0.114	Si
272	26.61	5.4	11.4	5.4	627056	SLD 9	705455	1422107	0.084	-990772	SLD 7	-1256625	-3221991	0.114	Si
295	26.61	5.4	11.4	5.4	691406	SLD 9	736480	1422107	0.084	-1194804	SLD 7	-1420320	-3221991	0.114	Si
317	26.61	5.4	11.4	5.4	736480	SLD 9	736480	1422107	0.084	-1420320	SLD 7	-1420320	-3221991	0.114	Si
340	26.61	5.4	11.4	5.4	761579	SLD 9	751515	1422107	0.084	-1662025	SLD 7	-1534030	-3221991	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	11520	SLU 29	11520	14486	76908	0	14486	1	Si
23	0.215	26.61	0	10238	SLU 29	10238	14486	76908	25009	25009	1	Si
45	0.215	26.61	0	8937	SLU 29	8937	14486	76908	25009	25009	1	Si
68	0.215	26.61	0	7645	SLU 29	7645	14486	76908	25009	25009	1	Si
91	0.215	26.61	0	6354	SLU 29	6354	14486	76908	25009	25009	1	Si
102	0.182	26.61	0	5708	SLU 29	5708	14486	76908	21083	21083	1	Si
125	0.182	26.61	0	4416	SLU 29	4416	14486	76908	21083	21083	1	Si
147	0.182	26.61	0	3124	SLU 29	3124	14486	76908	21083	21083	1	Si
170	0.182	26.61	0	1833	SLU 29	1833	14486	76908	21083	21083	1	Si
193	0.182	26.61	0	587	SLU 20	587	14486	76908	21083	21083	1	Si
215	0.182	26.61	0	-842	SLU 36	-842	-14486	-76908	-21083	-21083	1	Si
238	0.182	26.61	0	-2081	SLU 30	-2081	-14486	-76908	-21083	-21083	1	Si
261	0.187	26.61	0	-3373	SLU 30	-3373	-14486	-76908	-21675	-21675	1	Si
272	0.187	26.61	0	-4018	SLU 30	-4018	-14486	-76908	-21675	-21675	1	Si
295	0.187	26.61	0	-5310	SLU 30	-5310	-14486	-76908	-21675	-21675	1	Si
317	0.187	26.61	0	-6611	SLU 30	-6611	-14486	-76908	-21675	-21675	1	Si
340	0	26.61	0	-7894	SLU 30	-7894	-14486	-76908	0	-14486	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	21163	SLV 5	24655	14486	76908	0	14486	1	Si
0	0	11.4	0	-5693	SLV 11	-9184	-10922	-76908	0	-10922	1	Si
23	0.215	26.61	0	20304	SLV 5	23796	14486	76908	25009	25009	1	Si
23	0.215	11.4	0	-6552	SLV 11	-10043	-10922	-76908	-25009	-25009	1	Si
45	0.215	26.61	0	19433	SLV 5	22924	14486	76908	25009	25009	1	Si
45	0.215	11.4	0	-7423	SLV 11	-10915	-10922	-76908	-25009	-25009	1	Si
68	0.215	26.61	0	18567	SLV 5	22059	14486	76908	25009	25009	1	Si
68	0.215	11.4	0	-8289	SLV 11	-11780	-10922	-76908	-25009	-25009	1	Si
91	0.215	26.61	0	17702	SLV 5	21193	14486	76908	25009	25009	1	Si
91	0.215	11.4	0	-9154	SLV 11	-12645	-10922	-76908	-25009	-25009	1	Si
102	0.182	26.61	0	17269	SLV 5	20761	14486	76908	21083	21083	1	Si
102	0.182	11.4	0	-9587	SLV 11	-13078	-10922	-76908	-21083	-21083	1	Si
125	0.182	26.61	0	16404	SLV 5	19895	14486	76908	21083	21083	1	Si
125	0.182	26.61	0	-10452	SLV 11	-13943	-14486	-76908	-21083	-21083	1	Si
147	0.182	26.61	0	15539	SLV 5	19030	14486	76908	21083	21083	1	Si
147	0.182	26.61	0	-11317	SLV 11	-14808	-14486	-76908	-21083	-21083	1	Si
170	0.182	11.4	0	14673	SLV 5	18165	10922	76908	21083	21083	1	Si
170	0.182	26.61	0	-12183	SLV 11	-15674	-14486	-76908	-21083	-21083	1	Si
193	0.182	11.4	0	13808	SLV 5	17299	10922	76908	21083	21083	1	Si
193	0.182	26.61	0	-13048	SLV 11	-16539	-14486	-76908	-21083	-21083	1	Si
215	0.182	11.4	0	12943	SLV 5	16434	10922	76908	21083	21083	1	Si
215	0.182	26.61	0	-13913	SLV 11	-17404	-14486	-76908	-21083	-21083	1	Si
238	0.182	11.4	0	12077	SLV 5	15569	10922	76908	21083	21083	1	Si
238	0.182	26.61	0	-14779	SLV 11	-18270	-14486	-76908	-21083	-21083	1	Si
261	0.187	11.4	0	11212	SLV 5	14703	10922	76908	21675	21675	1	Si
261	0.187	26.61	0	-15644	SLV 11	-19135	-14486	-76908	-21675	-21675	1	Si
272	0.187	11.4	0	10779	SLV 5	14271	10922	76908	21675	21675	1	Si
272	0.187	26.61	0	-16077	SLV 11	-19568	-14486	-76908	-21675	-21675	1	Si
295	0.187	11.4	0	9914	SLV 5	13405	10922	76908	21675	21675	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
295	0.187	26.61	0	-16942	SLV 11	-20433	-14486	-76908	-21675	-21675	1	Si
317	0.187	11.4	0	9042	SLV 5	12534	10922	76908	21675	21675	1	Si
317	0.187	26.61	0	-17814	SLV 11	-21305	-14486	-76908	-21675	-21675	1	Si
340	0	11.4	0	8183	SLV 5	11675	10922	76908	0	10922	1	Si
340	0	26.61	0	-18673	SLV 11	-22164	-14486	-76908	0	-14486	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	13678	SLD 5	13678	14486	76908	0	14486	1	Si
23	0.215	26.61	0	12819	SLD 5	12819	14486	76908	25009	25009	1	Si
45	0.215	26.61	0	11947	SLD 5	11947	14486	76908	25009	25009	1	Si
68	0.215	26.61	0	11082	SLD 5	11082	14486	76908	25009	25009	1	Si
68	0.215	26.61	0	-803	SLD 11	-803	-14486	-76908	-25009	-25009	1	Si
91	0.215	26.61	0	10216	SLD 5	10216	14486	76908	25009	25009	1	Si
91	0.215	26.61	0	-1668	SLD 11	-1668	-14486	-76908	-25009	-25009	1	Si
102	0.182	26.61	0	9784	SLD 5	9784	14486	76908	21083	21083	1	Si
102	0.182	26.61	0	-2101	SLD 11	-2101	-14486	-76908	-21083	-21083	1	Si
125	0.182	26.61	0	8918	SLD 5	8918	14486	76908	21083	21083	1	Si
125	0.182	26.61	0	-2966	SLD 11	-2966	-14486	-76908	-21083	-21083	1	Si
147	0.182	26.61	0	8053	SLD 5	8053	14486	76908	21083	21083	1	Si
147	0.182	26.61	0	-3832	SLD 11	-3832	-14486	-76908	-21083	-21083	1	Si
170	0.182	11.4	0	7188	SLD 5	7188	10922	76908	21083	21083	1	Si
170	0.182	26.61	0	-4697	SLD 11	-4697	-14486	-76908	-21083	-21083	1	Si
193	0.182	11.4	0	6322	SLD 5	6322	10922	76908	21083	21083	1	Si
193	0.182	26.61	0	-5562	SLD 11	-5562	-14486	-76908	-21083	-21083	1	Si
215	0.182	11.4	0	5457	SLD 5	5457	10922	76908	21083	21083	1	Si
215	0.182	26.61	0	-6428	SLD 11	-6428	-14486	-76908	-21083	-21083	1	Si
238	0.182	11.4	0	4592	SLD 5	4592	10922	76908	21083	21083	1	Si
238	0.182	26.61	0	-7293	SLD 11	-7293	-14486	-76908	-21083	-21083	1	Si
261	0.187	11.4	0	3726	SLD 5	3726	10922	76908	21675	21675	1	Si
261	0.187	26.61	0	-8158	SLD 11	-8158	-14486	-76908	-21675	-21675	1	Si
272	0.187	11.4	0	3294	SLD 5	3294	10922	76908	21675	21675	1	Si
272	0.187	26.61	0	-8591	SLD 11	-8591	-14486	-76908	-21675	-21675	1	Si
295	0.187	11.4	0	2429	SLD 5	2429	10922	76908	21675	21675	1	Si
295	0.187	26.61	0	-9456	SLD 11	-9456	-14486	-76908	-21675	-21675	1	Si
317	0.187	11.4	0	1557	SLD 5	1557	10922	76908	21675	21675	1	Si
317	0.187	26.61	0	-10328	SLD 11	-10328	-14486	-76908	-21675	-21675	1	Si
340	0	11.4	0	698	SLD 5	698	10922	76908	0	10922	1	Si
340	0	26.61	0	-11187	SLD 11	-11187	-14486	-76908	0	-14486	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-952545	2	-857937	22.3	124.5	564.6	1837	-873666	2	-786679	20.5	93.4	0	+∞	Si
23	-773800	2	-773800	20.1	124.5	509.3	1837	-709319	2	-709319	18.4	93.4	0	+∞	Si
45	-613818	2	-773800	20.1	124.5	509.3	1837	-562224	2	-709319	18.4	93.4	0	+∞	Si
68	-476453	2	-657143	17.1	124.5	432.5	1837	-435924	2	-602059	15.7	93.4	0	+∞	Si
91	-360421	2	-513752	13.4	124.5	338.1	1837	-329238	2	-470218	12.2	93.4	0	+∞	Si
102	-310405	2	-450056	11.7	124.5	296.2	1837	-283250	2	-411653	10.7	93.4	0	+∞	Si
125	-226372	2	-338664	8.8	124.5	222.9	1837	-205985	2	-309233	8	93.4	0	+∞	Si
147	-163672	2	-248605	6.5	124.5	163.6	1837	-148335	2	-226427	5.9	93.4	0	+∞	Si
170	-122304	2	-179878	4.7	124.5	118.4	1837	-110298	2	-163236	4.2	93.4	0	+∞	Si
193	-102269	2	-132484	3.4	124.5	87.2	1837	-91876	2	-119658	3.1	93.4	0	+∞	Si
215	-103567	2	-137773	3.6	124.5	90.7	1837	-93067	2	-123906	3.2	93.4	0	+∞	Si
238	-126698	3	-188340	4.9	124.5	124	1837	-113873	2	-169867	4.4	93.4	0	+∞	Si
261	-171237	3	-260239	6.8	124.5	171.3	1837	-154293	2	-235442	6.1	93.4	0	+∞	Si
272	-201507	3	-304188	7.9	124.5	200.2	1837	-181858	2	-275585	7.2	93.4	0	+∞	Si
295	-278046	3	-376755	9.8	124.5	248	1837	-251699	2	-341920	8.9	93.4	0	+∞	Si
317	-376755	3	-376755	9.8	124.5	248	1837	-341920	2	-341920	8.9	93.4	0	+∞	Si
340	-495121	3	-430702	11.2	124.5	283.5	1837	-450223	2	-391258	10.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	1	-0.006	1	9999	Si
45	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.009	1	-0.011	1	9999	Si
68	-0.005	-0.007	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.012	1	-0.014	1	9999	Si
91	-0.005	-0.007	-0.005	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.013	1	-0.015	1	9999	Si
102	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.013	1	-0.016	1	9999	Si
125	-0.006	-0.008	-0.006	-0.008	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.014	1	-0.016	1	9999	Si
147	-0.005	-0.007	-0.006	-0.008	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.014	1	-0.016	1	9999	Si
170	-0.005	-0.007	-0.006	-0.007	-0.005	-0.007	-0.006	-0.007	-0.005	-0.006	-0.013	1	-0.015	1	9999	Si
193	-0.005	-0.007	-0.005	-0.007	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.012	1	-0.015	1	9999	Si
215	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.011	1	-0.013	1	9999	Si
238	-0.004	-0.005	-0.004	-0.006	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.01	1	-0.012	1	9999	Si
261	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
272	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.008	1	-0.009	1	9999	Si
295	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
317	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	1	-0.004	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	6876	16919	25009	SLV 5	0.39	842	1.071	-709319	1537473	1422107	SLV 11	0.5	1647	1.41	Si
45	6005	16919	25009	SLV 5	0.41	945	1.123	-709319	1537473	1422107	SLV 11	0.5	1647	1.41	Si
68	5139	16919	25009	SLV 5	0.42	1060	1.177	-602059	1317682	1422107	SLV 11	0.55	2167	1.578	Si
91	4274	16919	25009	SLV 5	0.44	1187	1.233	-470218	1014806	1422107	SLV 11	0.57	2474	1.666	Si
102	3841	16919	21083	SLV 5	0.37	745	1.019	-411653	863594	1422107	SLV 11	0.57	2474	1.666	Si
125	2976	16919	21083	SLV 5	0.39	839	1.07	-309233	561961	1422107	SLV 11	0.57	2474	1.666	Si
147	2111	16919	21083	SLV 5	0.41	941	1.121	-103708	556513	1422107	SLV 9	0.57	2474	1.666	Si
170	1245	16919	21083	SLV 5	0.42	1056	1.175	-90827	856064	1422107	SLV 9	0.57	2474	1.666	Si
193	380	16919	21083	SLV 5	0.44	1182	1.231	-97560	1157180	1422107	SLV 9	0.47	1425	1.329	Si
215	-485	-16919	-21083	SLV 11	0.44	1166	1.224	-123906	1459272	1422107	SLV 9	0.38	819	1.059	Si
238	-1351	-16919	-21083	SLV 11	0.42	1041	1.169	-169867	1762002	1422107	SLV 9	0.33	557	0.904	No
261	-2216	-16919	-21675	SLV 11	0.42	1003	1.151	-235442	2065155	1422107	SLV 9	0.29	423	0.808	No
272	-2649	-16919	-21675	SLV 11	0.41	947	1.124	-275585	2216846	1422107	SLV 9	0.28	382	0.775	No

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
295	-3514	-16919	-21675	SLV 11	0.39	846	1.073	-341920	2436851	1422107	SLV 9	0.27	338	0.737	No
317	-4386	-16919	-21675	SLV 11	0.37	750	1.022	-341920	2436851	1422107	SLV 9	0.27	338	0.737	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	6876	5942	25009	SLD 5	0.41	958	2.842	-709319	680390	1422107	SLD 11	0.42	1027	2.924	Si
45	6005	5942	25009	SLD 5	0.43	1087	2.993	-709319	644359	1422107	SLD 7	0.44	1189	3.105	Si
68	5139	5942	25009	SLD 5	0.45	1224	3.142	-562224	545232	1422107	SLD 11	0.48	1533	3.446	Si
91	4274	5942	25009	SLD 5	0.47	1370	3.291	-470218	449090	1422107	SLD 11	0.56	2267	4.045	Si
102	3841	5942	21083	SLD 5	0.39	848	2.703	-411653	382173	1422107	SLD 11	0.6	2474	4.193	Si
125	2976	5942	21083	SLD 5	0.41	955	2.838	-309233	248689	1422107	SLD 11	0.6	2474	4.193	Si
147	2111	5942	21083	SLD 5	0.43	1082	2.987	-103708	246277	1422107	SLD 9	0.6	2474	4.193	Si
170	1245	5942	21083	SLD 5	0.45	1219	3.137	-90827	378841	1422107	SLD 9	0.53	1964	3.814	Si
193	380	5942	21083	SLD 5	0.46	1365	3.286	-97560	512097	1422107	SLD 9	0.4	896	2.765	Si
215	-485	-5942	-21083	SLD 11	0.46	1346	3.267	-123906	645784	1422107	SLD 9	0.32	532	2.233	Si
238	-1351	-5942	-21083	SLD 11	0.44	1202	3.119	-169867	779754	1422107	SLD 9	0.28	372	1.928	Si
261	-2216	-5942	-21675	SLD 11	0.44	1158	3.071	-235442	913911	1422107	SLD 9	0.25	288	1.736	Si
272	-2649	-5942	-21675	SLD 11	0.43	1090	2.996	-275585	981040	1422107	SLD 9	0.24	260	1.665	Si
295	-3514	-5942	-21675	SLD 11	0.41	963	2.848	-341920	1078400	1422107	SLD 9	0.23	229	1.58	Si
317	-4386	-5942	-21675	SLD 11	0.39	853	2.71	-341920	1078400	1422107	SLD 9	0.23	229	1.58	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 41-7

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 41 - 18, sezione R 45x70, asta 944

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-692865	SLU 30	-459968	-2323557	0.097	Si
28	19.01	5.4	11.4	5.4	-102367	SLU 1	183280	1422107	0.084	-246453	SLU 30	-246453	-2323557	0.097	Si
47	19.01	5.4	11.4	5.4	83400	SLU 19	447646	1422107	0.084	26969	SLU 18	-246453	-2323557	0.097	Si
95	14.06	5.4	11.4	5.4	673564	SLU 29	986610	1422107	0.084						Si
142	7.6	5.4	11.4	5.4	1163253	SLU 29	1397881	1422093	0.084						Si
189	7.6	5.4	11.4	5.4	1525250	SLU 29	1681458	1422093	0.084						No
213	7.6	5.4	11.4	5.4	1658362	SLU 29	1775361	1422093	0.084						No
260	7.6	5.4	11.4	5.4	1828818	SLU 29	1867398	1422093	0.084						No
284	7.6	5.4	11.4	5.4	1866161	SLU 29	1871581	1422093	0.084						No
308	7.6	5.4	11.4	5.4	1871581	SLU 29	1871581	1422093	0.084						No
355	7.6	5.4	11.4	5.4	1786650	SLU 29	1851126	1422093	0.084						No
402	7.6	5.4	11.4	5.4	1574025	SLU 29	1716920	1422093	0.084						No
450	7.6	5.4	11.4	5.4	1233707	SLU 29	1455021	1422093	0.084						No
497	7.6	5.4	11.4	5.4	765695	SLU 29	1065429	1422093	0.084						Si
544	7.6	5.4	11.4	5.4	170609	SLU 11	548143	1422093	0.084	38157	SLU 22	-270072	-970824	0.078	Si
568	7.6	5.4	11.4	5.4	-125108	SLU 11	241615	1422093	0.084	-208656	SLU 22	-646937	-970824	0.078	Si
615	14.06	5.4	11.4	5.4						-962992	SLU 29	-1512555	-1737249	0.088	Si
663	19.01	5.4	11.4	5.4						-1877931	SLU 29	-2409800	-2323557	0.097	No
688	19.01	5.4	11.4	5.4						-2409800	SLU 29	-2409800	-2323557	0.097	No
710	19.01	5.4	11.4	5.4						-2920563	SLU 29	-2658343	-2323557	0.097	No

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4	1188598	SLV 7	1188598	1422107	0.084	-2076160	SLV 9	-1860124	-2323557	0.097	Si
28	19.01	5.4	11.4	5.4	1362112	SLV 7	1514746	1422107	0.084	-1656238	SLV 9	-1656238	-2323557	0.097	No
47	19.01	5.4	11.4	5.4	1471921	SLV 7	1601898	1422107	0.084	-1368844	SLV 9	-1656238	-2323557	0.097	No
95	14.06	5.4	11.4	5.4	1670235	SLV 7	1748170	1422107	0.084	-747603	SLV 9	-1120803	-1737249	0.088	No
142	7.6	5.4	11.4	5.4	1783879	SLV 7	1810149	1422093	0.084	-212774	SLV 9	-532863	-970824	0.078	No
189	7.6	5.4	11.4	5.4	1813552	SLV 7	1813552	1422093	0.084	234943	SLV 9	-31552	-970824	0.078	No
213	7.6	5.4	11.4	5.4	1797348	SLV 7	1813552	1422093	0.084						No
260	7.6	5.4	11.4	5.4	1705092	SLV 7	1769252	1422093	0.084						No
308	7.6	5.4	11.4	5.4	1543042	SLV 7	1648154	1422093	0.084						No
355	7.6	5.4	11.4	5.4	1368954	SLV 5	1470375	1422093	0.084						No
402	7.6	5.4	11.4	5.4	1304548	SLV 9	1328852	1422093	0.084						Si
450	7.6	5.4	11.4	5.4	1252715	SLV 9	1289169	1422093	0.084						Si
497	7.6	5.4	11.4	5.4	1136194	SLV 9	1215068	1422093	0.084	-154823	SLV 7	-520761	-970824	0.078	Si
544	7.6	5.4	11.4	5.4	940344	SLV 9	1068519	1422093	0.084	-764709	SLV 7	-1184948	-970824	0.078	No
568	7.6	5.4	11.4	5.4	811414	SLV 9	965031	1422093	0.084	-1102803	SLV 7	-1549814	-970824	0.078	No
592	7.6	5.4	11.4	5.4	661531	SLV 9	840841	1422093	0.084	-1462715	SLV 7	-1936363	-970824	0.078	No
615	14.06	5.4	11.4	5.4	490580	SLV 9	695740	1422107	0.084	-1844328	SLV 7	-2344522	-1737249	0.088	No
663	19.01	5.4	11.4	5.4	85178	SLV 9	342325	1422107	0.084	-2672370	SLV 7	-3141793	-2323557	0.097	No
688	19.01	5.4	11.4	5.4	-161990	SLV 9	123335	1422107	0.084	-3141793	SLV 7	-3141793	-2323557	0.097	No
710	19.01	5.4	11.4	5.4						-3586539	SLV 7	-3359939	-2323557	0.097	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4	278495	SLD 7	278495	1422107	0.084	-1166058	SLD 9	-984132	-2323557	0.097	Si
28	19.01	5.4	11.4	5.4	520696	SLD 7	745847	1422107	0.084	-814822	SLD 9	-814822	-2323557	0.097	Si
47	19.01	5.4	11.4	5.4	680007	SLD 7	882419	1422107	0.084	-576930	SLD 9	-814822	-2323557	0.097	Si
95	14.06	5.4	11.4	5.4	996212	SLD 7	1146309	1422107	0.084	-73580	SLD 9	-374417	-1737249	0.088	Si
142	7.6	5.4	11.4	5.4	1227262	SLD 7	1325209	1422093	0.084						Si
189	7.6	5.4	11.4	5.4	1373464	SLD 7	1419652	1422093	0.084						Si
213	7.6	5.4	11.4	5.4	1414946	SLD 7	1435587	1422093	0.084						No
260	7.6	5.4	11.4	5.4	1435659	SLD 7	1435659	1422093	0.084						No
308	7.6	5.4	11.4	5.4	1377797	SLD 7	1420407	1422093	0.084						Si
355	7.6	5.4	11.4	5.4	1266934	SLD 5	1337184	1422093	0.084						Si
402	7.6	5.4	11.4	5.4	1156948	SLD 9	1222347	1422093	0.084						Si
450	7.6	5.4	11.4	5.4	1004809	SLD 9	1104888	1422093	0.084						Si
497	7.6	5.4	11.4	5.4	776344	SLD 9	924487	1422093	0.084	205026	SLD 7	-90233	-970824	0.078	Si
544	7.6	5.4	11.4	5.4	465084	SLD 9	664331	1422093	0.084	-289449	SLD 7	-638022	-970824	0.078	Si
568	7.6	5.4	11.4	5.4	277850	SLD 9	502999	1422093	0.084	-569239	SLD 7	-944302	-970824	0.078	Si
592	7.6	5.4	11.4	5.4	69422	SLD 9	320584	1422093	0.084	-870605	SLD 7	-1272099	-970824	0.078	No
615	14.06	5.4	11.4	5.4	-160252	SLD 9	116993	1422107	0.084	-1193497	SLD 7	-1621380	-1737249	0.088	Si
663	19.01	5.4	11.4	5.4						-1903728	SLD 7	-2311197	-2323557	0.097	Si
688	19.01	5.4	11.4	5.4						-2311197	SLD 7	-2311197	-2323557	0.097	Si
710	19.01	5.4	11.4	5.4						-2699759	SLD 7	-2501053	-2323557	0.097	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.41	0	17094	SLU 30	17094	12575	76908	0	12575	1	Si
28	0.144	14.06	0	15528	SLU 30	15528	11711	76908	16673	16673	1	Si
47	0.144	11.4	0	14398	SLU 30	14398	10922	76908	16673	16673	1	Si
95	0.144	11.4	0	11700	SLU 30	11700	10922	76908	16673	16673	1	Si
142	0.157	11.4	0	9003	SLU 30	9003	10922	76908	18178	18178	1	Si
189	0.157	11.4	0	6305	SLU 30	6305	10922	76908	18178	18178	1	Si
213	0.157	11.4	0	4956	SLU 30	4956	10922	76908	18178	18178	1	Si
260	0.157	11.4	0	2259	SLU 30	2259	10922	76908	18178	18178	1	Si
308	0.157	11.4	0	-560	SLU 19	-560	-10922	-76908	-18178	-18178	1	Si
355	0.157	11.4	0	-3143	SLU 29	-3143	-10922	-76908	-18178	-18178	1	Si
402	0.157	11.4	0	-5841	SLU 29	-5841	-10922	-76908	-18178	-18178	1	Si
450	0.157	11.4	0	-8538	SLU 29	-8538	-10922	-76908	-18178	-18178	1	Si
497	0.157	11.4	0	-11236	SLU 29	-11236	-10922	-76908	-18178	-18178	1	Si
544	0.157	11.4	0	-13933	SLU 29	-13933	-10922	-76908	-18178	-18178	1	Si
568	0.157	7.6	0	-15282	SLU 29	-15282	-9541	-76908	-18178	-18178	1	Si
615	0.157	7.6	0	-17980	SLU 29	-17980	-9541	-76908	-18178	-18178	1	Si
663	0.201	7.6	0	-20677	SLU 29	-20677	-9541	-76908	-23342	-23342	1	Si
688	0.201	14.06	0	-22093	SLU 29	-22093	-11711	-76908	-23342	-23342	1	Si
710	0	17.41	0	-23375	SLU 29	-23375	-12575	-76908	0	-12575	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.41	0	15877	SLV 9	17050	12575	76908	0	12575	1	Si
28	0.144	14.06	0	14828	SLV 9	16001	11711	76908	16673	16673	1	Si
47	0.144	7.6	0	14071	SLV 9	15244	9541	76908	16673	16673	1	Si
95	0.144	7.6	0	12264	SLV 9	13436	9541	76908	16673	16673	1	Si
142	0.157	7.6	0	10457	SLV 9	11629	9541	76908	18178	18178	1	Si
189	0.157	11.4	0	8650	SLV 9	9822	10922	76908	18178	18178	1	Si
189	0.157	11.4	0	-372	SLV 7	-1544	-10922	-76908	-18178	-18178	1	Si
213	0.157	11.4	0	7746	SLV 9	8919	10922	76908	18178	18178	1	Si
213	0.157	11.4	0	-1275	SLV 7	-2448	-10922	-76908	-18178	-18178	1	Si
260	0.157	11.4	0	5939	SLV 9	7112	10922	76908	18178	18178	1	Si
260	0.157	11.4	0	-3082	SLV 7	-4255	-10922	-76908	-18178	-18178	1	Si
308	0.157	11.4	0	4132	SLV 9	5304	10922	76908	18178	18178	1	Si
308	0.157	11.4	0	-4889	SLV 7	-6062	-10922	-76908	-18178	-18178	1	Si
355	0.157	11.4	0	2325	SLV 9	3497	10922	76908	18178	18178	1	Si
355	0.157	11.4	0	-6696	SLV 7	-7869	-10922	-76908	-18178	-18178	1	Si
402	0.157	11.4	0	518	SLV 9	1690	10922	76908	18178	18178	1	Si
402	0.157	11.4	0	-8504	SLV 7	-9676	-10922	-76908	-18178	-18178	1	Si
450	0.157	11.4	0	-10311	SLV 7	-11483	-10922	-76908	-18178	-18178	1	Si
497	0.157	7.6	0	-12118	SLV 7	-13290	-9541	-76908	-18178	-18178	1	Si
544	0.157	7.6	0	-13925	SLV 7	-15098	-9541	-76908	-18178	-18178	1	Si
568	0.157	7.6	0	-14828	SLV 7	-16001	-9541	-76908	-18178	-18178	1	Si
615	0.157	7.6	0	-16636	SLV 7	-17808	-9541	-76908	-18178	-18178	1	Si
663	0.201	7.6	0	-18443	SLV 7	-19615	-9541	-76908	-23342	-23342	1	Si
688	0.201	14.06	0	-19391	SLV 7	-20564	-11711	-76908	-23342	-23342	1	Si
710	0	17.41	0	-20250	SLV 7	-21422	-12575	-76908	0	-12575	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.41	0	13362	SLD 9	13362	12575	76908	0	12575	1	Si
28	0.144	14.06	0	12313	SLD 9	12313	11711	76908	16673	16673	1	Si
47	0.144	7.6	0	11556	SLD 9	11556	9541	76908	16673	16673	1	Si
95	0.144	7.6	0	9749	SLD 9	9749	9541	76908	16673	16673	1	Si
142	0.157	11.4	0	7942	SLD 9	7942	10922	76908	18178	18178	1	Si
189	0.157	11.4	0	6135	SLD 9	6135	10922	76908	18178	18178	1	Si
213	0.157	11.4	0	5231	SLD 9	5231	10922	76908	18178	18178	1	Si
260	0.157	11.4	0	3424	SLD 9	3424	10922	76908	18178	18178	1	Si
260	0.157	11.4	0	-568	SLD 7	-568	-10922	-76908	-18178	-18178	1	Si
308	0.157	11.4	0	1617	SLD 9	1617	10922	76908	18178	18178	1	Si
308	0.157	11.4	0	-2375	SLD 7	-2375	-10922	-76908	-18178	-18178	1	Si
355	0.157	11.4	0	-4182	SLD 7	-4182	-10922	-76908	-18178	-18178	1	Si
402	0.157	11.4	0	-5989	SLD 7	-5989	-10922	-76908	-18178	-18178	1	Si
450	0.157	11.4	0	-7796	SLD 7	-7796	-10922	-76908	-18178	-18178	1	Si
497	0.157	11.4	0	-9603	SLD 7	-9603	-10922	-76908	-18178	-18178	1	Si
544	0.157	7.6	0	-11410	SLD 7	-11410	-9541	-76908	-18178	-18178	1	Si
568	0.157	7.6	0	-12314	SLD 7	-12314	-9541	-76908	-18178	-18178	1	Si
615	0.157	7.6	0	-14121	SLD 7	-14121	-9541	-76908	-18178	-18178	1	Si
663	0.201	7.6	0	-15928	SLD 7	-15928	-9541	-76908	-23342	-23342	1	Si
688	0.201	14.06	0	-16876	SLD 7	-16876	-11711	-76908	-23342	-23342	1	Si
710	0	17.41	0	-17735	SLD 7	-17735	-12575	-76908	0	-12575	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-496501	3	-327295	9.5	124.5	297.1	1837	-443781	2	-288930	8.4	93.4	0	+∞	Si
28	-172212	3	-172212	5	124.5	156.3	1837	-147063	2	-147063	4.3	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
47	57801	1	331575	10.4	124.5	490.1	1837	57801	1	311443	9.8	93.4	0	+∞	Si
95	495544	2	722620	24.1	124.5	1070.7	1837	461316	2	668688	22.3	93.4	0	+∞	Si
142	850688	2	1020629	37.1	124.5	1519.6	1837	785552	2	940392	34.1	93.4	0	+∞	Si
189	1112795	2	1225600	44.5	124.5	1824.8	1837	1024247	2	1126554	40.9	93.4	0	+∞	Si
213	1208960	2	1293197	46.9	124.5	1925.4	1837	1111516	2	1187556	43.1	93.4	0	+∞	Si
260	1331512	2	1358614	49.3	124.5	2022.8	1837	1221899	2	1245406	45.2	93.4	0	+∞	Si
284	1357900	2	1361028	49.4	124.5	2026.4	1837	1245012	2	1246739	45.3	93.4	0	+∞	Si
308	1361028	2	1361028	49.4	124.5	2026.4	1837	1246739	2	1246739	45.3	93.4	0	+∞	Si
355	1297506	2	1345491	48.8	124.5	2003.3	1837	1186038	2	1231568	44.7	93.4	0	+∞	Si
402	1140948	2	1246069	45.2	124.5	1855.3	1837	1039795	2	1137858	41.3	93.4	0	+∞	Si
450	891353	2	1053609	38.3	124.5	1568.7	1837	808011	2	958607	34.8	93.4	0	+∞	Si
497	548721	2	768113	27.9	124.5	1143.6	1837	490685	2	693813	25.2	93.4	0	+∞	Si
544	113052	2	389580	14.1	124.5	580	1837	87818	2	343479	12.5	93.4	0	+∞	Si
568	-155045	4	-483982	10.9	124.5	167.8	1837	-154730	1	-463650	18.6	93.4	0	+∞	Si
615	-714895	2	-1116311	35.7	124.5	1353.6	1837	-676874	2	-1047363	33.5	93.4	0	+∞	Si
663	-1383156	2	-1771534	51.2	124.5	1607.8	1837	-1293596	2	-1651891	47.8	93.4	0	+∞	Si
688	-1771534	2	-1771534	51.2	124.5	1607.8	1837	-1651891	2	-1651891	47.8	93.4	0	+∞	Si
710	-2144453	2	-1953011	56.5	124.5	1772.5	1837	-1995860	2	-1819295	52.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
28	0.019	0.015	0.022	0.014	0.018	0.015	0.019	0.014	0.018	0.015	0.057	2	0.042	2	9999	Si
47	0.034	0.027	0.038	0.024	0.032	0.027	0.033	0.024	0.031	0.027	0.099	2	0.073	2	7179	Si
95	0.068	0.053	0.077	0.048	0.063	0.053	0.067	0.048	0.062	0.053	0.197	2	0.145	2	3600	Si
142	0.098	0.077	0.112	0.069	0.092	0.077	0.098	0.07	0.09	0.078	0.289	2	0.212	2	2453	Si
189	0.124	0.097	0.143	0.087	0.116	0.097	0.124	0.088	0.113	0.097	0.37	2	0.269	2	1917	Si
213	0.134	0.105	0.156	0.094	0.125	0.105	0.135	0.095	0.122	0.105	0.404	2	0.293	2	1757	Si
260	0.148	0.116	0.175	0.105	0.139	0.116	0.151	0.105	0.135	0.116	0.452	2	0.329	2	1570	Si
308	0.155	0.12	0.183	0.109	0.144	0.121	0.158	0.109	0.141	0.121	0.472	2	0.343	2	1504	Si
355	0.153	0.119	0.179	0.107	0.142	0.119	0.154	0.107	0.139	0.119	0.462	2	0.333	2	1537	Si
402	0.142	0.11	0.165	0.099	0.133	0.111	0.142	0.099	0.13	0.111	0.425	2	0.305	2	1671	Si
450	0.125	0.096	0.143	0.086	0.117	0.097	0.123	0.086	0.114	0.097	0.367	2	0.264	2	1933	Si
497	0.103	0.078	0.116	0.069	0.095	0.079	0.1	0.069	0.093	0.079	0.298	2	0.213	2	2380	Si
544	0.076	0.058	0.086	0.05	0.071	0.058	0.074	0.051	0.069	0.058	0.222	2	0.157	2	3193	Si
568	0.063	0.047	0.071	0.041	0.058	0.047	0.06	0.041	0.057	0.047	0.184	2	0.128	2	3867	Si
615	0.036	0.027	0.041	0.022	0.034	0.027	0.034	0.023	0.033	0.027	0.109	2	0.073	2	6543	Si
663	0.014	0.01	0.015	0.008	0.013	0.01	0.012	0.008	0.012	0.01	0.043	2	0.027	2	9999	Si
688	0.005	0.004	0.005	0.002	0.005	0.004	0.004	0.002	0.005	0.004	0.016	2	0.009	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	10318	5683	16673	SLV 9	0.41	934	1.118	-147063	1509175	1422107	SLV 7	0.38	782	1.039	Si
47	9560	5683	16673	SLV 9	0.45	1254	1.261	311443	1290455	1422107	SLV 7	0.31	495	0.862	No
95	7753	5683	16673	SLV 9	0.56	2295	1.616	668688	1079482	1422107	SLV 7	0.26	312	0.713	No
142	5946	5683	18178	SLV 9	0.57	2474	1.666	940392	869757	1422093	SLV 7	0.21	189	0.581	No
189	4139	5683	18178	SLV 9	0.57	2474	1.666	1126554	662485	1422093	SLV 7	0.17	121	0.484	No
213	3235	5683	18178	SLV 9	0.57	2474	1.666	1187556	560639	1422093	SLV 7	0.16	106	0.458	No
260	1428	5683	18178	SLV 9	0.57	2474	1.666	1162363	606889	1422093	SLV 7	0.16	111	0.467	No
308	-379	-5683	-18178	SLV 7	0.57	2474	1.666	1239736	408418	1422093	SLV 7	0.17	121	0.484	No
355	-2186	-5683	-18178	SLV 7	0.57	2474	1.666	1231568	238807	1422093	SLV 7	0.29	418	0.804	No
402	-3993	-5683	-18178	SLV 7	0.57	2474	1.666	905704	371634	1422093	SLV 9	0.5	1657	1.414	Si
450	-5800	-5683	-18178	SLV 7	0.57	2474	1.666	958607	330562	1422093	SLV 9	0.5	1697	1.428	Si
497	-7607	-5683	-18178	SLV 7	0.57	2474	1.666	693813	521254	1422093	SLV 9	0.5	1681	1.422	Si
544	-9414	-5683	-18178	SLV 7	0.55	2189	1.585	-203872	-981077	-970824	SLV 7	0.29	400	0.789	No
568	-10318	-5683	-18178	SLV 7	0.5	1636	1.406	-463650	-1086164	-970824	SLV 7	0.18	132	0.501	No
615	-12125	-5683	-18178	SLV 7	0.39	830	1.065	-1047363	-1297159	-1737249	SLV 7	0.2	174	0.561	No
663	-13932	-5683	-23342	SLV 7	0.57	2474	1.666	-1651891	-1489901	-2323557	SLV 7	0.17	123	0.487	No
688	-14880	-5683	-23342	SLV 7	0.53	1993	1.525	-1651891	-1489901	-2323557	SLV 7	0.17	123	0.487	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	10318	1996	16673	SLD 9	0.43	1074	2.978	-147063	667759	1422107	SLD 7	0.32	509	2.193	Si
47	9560	1996	16673	SLD 9	0.47	1449	3.367	311443	570976	1422107	SLD 7	0.27	335	1.847	Si
95	7753	1996	16673	SLD 9	0.59	2474	4.193	668688	477621	1422107	SLD 7	0.22	212	1.531	Si
142	5946	1996	18178	SLD 9	0.6	2474	4.193	940392	384817	1422093	SLD 7	0.17	130	1.253	Si
189	4139	1996	18178	SLD 9	0.6	2474	4.193	1126554	293098	1422093	SLD 7	0.14	84	1.048	Si
213	3235	1996	18178	SLD 9	0.6	2474	4.193	1187556	248031	1422093	SLD 7	0.13	74	0.995	No
260	1428	1996	18178	SLD 9	0.6	2474	4.193	1221899	213760	1422093	SLD 7	0.13	72	0.983	No
308	-379	-1996	-18178	SLD 7	0.6	2474	4.193	1239736	180671	1422093	SLD 7	0.14	84	1.048	Si
355	-2186	-1996	-18178	SLD 7	0.6	2474	4.193	1231568	105616	1422093	SLD 7	0.25	284	1.726	Si
402	-3993	-1996	-18178	SLD 7	0.6	2474	4.193	905704	164460	1422093	SLD 9	0.42	1034	2.932	Si
450	-5800	-1996	-18178	SLD 7	0.6	2474	4.193	958607	146281	1422093	SLD 9	0.42	1059	2.961	Si
497	-7607	-1996	-18178	SLD 7	0.6	2474	4.193	693813	230674	1422093	SLD 9	0.42	1049	2.949	Si
544	-9414	-1996	-18178	SLD 7	0.58	2474	4.193	-203872	-434150	-970824	SLD 7	0.24	272	1.696	Si
568	-10318	-1996	-18178	SLD 7	0.52	1892	3.756	-463650	-480652	-970824	SLD 7	0.15	92	1.087	Si
615	-12125	-1996	-18178	SLD 7	0.41	945	2.826	-1047363	-574017	-1737249	SLD 7	0.17	120	1.213	Si
663	-13932	-1996	-23342	SLD 7	0.6	2474	4.193	-1651891	-659305	-2323557	SLD 7	0.14	86	1.058	Si
688	-14880	-1996	-23342	SLD 7	0.56	2304	4.072	-1651891	-659305	-2323557	SLD 7	0.14	86	1.058	Si

Campata 2 tra i fili 18 - 7, sezione R 45x70, asta 945

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-2152306	SLU 29	-1976768	-2323557	0.097	Si
23	19.01	5.4	11.4	5.4						-1815602	SLU 29	-1815602	-2323557	0.097	Si
45	18.93	5.4	11.4	5.4						-1503297	SLU 29	-1815602	-2314368	0.097	Si
68	15.72	5.4	11.4	5.4						-1222711	SLU 29	-1588766	-1934606	0.091	Si
91	12.52	5.4	11.4	5.4						-971405	SLU 29	-1299909	-1554423	0.085	Si
102	7.6	5.4	11.4	5.4						-856731	SLU 29	-1166460	-970824	0.078	No
125	7.6	5.4	11.4	5.4						-649343	SLU 29	-921522	-970824	0.078	Si
147	7.6	5.4	11.4	5.4						-471235	SLU 29	-705863	-970824	0.078	Si
170	7.6	5.4	11.4	5.4						-322406	SLU 29	-519483	-970824	0.078	Si
193	7.6	5.4	11.4	5.4						-202856	SLU 29	-362382	-970824	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
215	7.6	5.4	11.4	5.4						-112950	SLU 30	-234561	-970824	0.078	Si
238	7.6	5.4	11.4	5.4						-53308	SLU 36	-136246	-970824	0.078	Si
249	9.24	5.4	11.4	5.4	-17958	SLU 1	5762	1422093	0.084	-34700	SLU 36	-98199	-1165407	0.08	Si
272	10.31	5.4	11.4	5.4	3105	SLU 19	7808	1422094	0.084	-20801	SLU 18	-45214	-1292229	0.082	Si
295	11.38	5.4	11.4	5.4	7405	SLU 19	7808	1422094	0.084	-34492	SLU 12	-75217	-1419031	0.083	Si
317	11.4	5.4	11.4	5.4	-8954	SLU 19	7627	1422094	0.084	-75217	SLU 12	-75217	-1422094	0.084	Si
340	11.4	5.4	11.4	5.4						-142518	SLU 30	-101560	-1422094	0.084	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-2463908	SLV 5	-2271480	-2323557	0.097	Si
23	19.01	5.4	11.4	5.4						-2087755	SLV 5	-2087755	-2323557	0.097	Si
45	18.93	5.4	11.4	5.4						-1726100	SLV 5	-2087755	-2314368	0.097	Si
68	15.72	5.4	11.4	5.4						-1387492	SLV 5	-1826071	-1934606	0.091	Si
91	12.52	5.4	11.4	5.4						-1069934	SLV 5	-1481698	-1554423	0.085	Si
102	7.6	5.4	11.4	5.4						-919659	SLV 5	-1317242	-970824	0.078	No
125	7.6	5.4	11.4	5.4						-640804	SLV 5	-1004565	-970824	0.078	No
147	7.6	5.4	11.4	5.4	-232145	SLV 11	14615	1422093	0.084	-436157	SLV 5	-717161	-970824	0.078	Si
170	7.6	5.4	11.4	5.4	-46893	SLV 9	228636	1422093	0.084	-413833	SLV 7	-483868	-970824	0.078	Si
193	7.6	5.4	11.4	5.4	169567	SLV 9	429532	1422093	0.084	-461945	SLV 7	-564625	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	374906	SLV 9	613590	1422093	0.084	-538164	SLV 7	-669874	-970824	0.078	Si
238	7.6	5.4	11.4	5.4	563942	SLV 9	779508	1422093	0.084	-637309	SLV 7	-796211	-970824	0.078	Si
249	9.24	5.4	11.4	5.4	651814	SLV 9	855446	1422093	0.084	-694945	SLV 7	-867068	-1165407	0.08	Si
272	10.31	5.4	11.4	5.4	813703	SLV 9	993033	1422094	0.084	-825785	SLV 7	-1023916	-1292229	0.082	Si
295	11.38	5.4	11.4	5.4	956696	SLV 9	1081304	1422094	0.084	-976957	SLV 7	-1149538	-1419031	0.083	Si
317	11.4	5.4	11.4	5.4	1081304	SLV 5	1081304	1422094	0.084	-1149538	SLV 11	-1149538	-1422094	0.084	Si
340	11.4	5.4	11.4	5.4	1184959	SLV 5	1138331	1422094	0.084	-1339263	SLV 11	-1239972	-1422094	0.084	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-1919192	SLD 5	-1767356	-2323557	0.097	Si
23	19.01	5.4	11.4	5.4						-1624740	SLD 5	-1624740	-2323557	0.097	Si
45	18.93	5.4	11.4	5.4						-1345781	SLD 5	-1624740	-2314368	0.097	Si
68	15.72	5.4	11.4	5.4						-1088883	SLD 5	-1422581	-1934606	0.091	Si
91	12.52	5.4	11.4	5.4						-852231	SLD 5	-1160043	-1554423	0.085	Si
102	7.6	5.4	11.4	5.4						-741767	SLD 5	-1036294	-970824	0.078	No
125	7.6	5.4	11.4	5.4						-538624	SLD 5	-804179	-970824	0.078	Si
147	7.6	5.4	11.4	5.4						-379195	SLD 5	-594171	-970824	0.078	Si
170	7.6	5.4	11.4	5.4	-149274	SLD 9	30526	1422093	0.084	-311452	SLD 7	-418996	-970824	0.078	Si
193	7.6	5.4	11.4	5.4	-6553	SLD 9	152326	1422093	0.084	-285825	SLD 7	-325633	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	120304	SLD 9	255738	1422093	0.084	-283562	SLD 7	-312022	-970824	0.078	Si
238	7.6	5.4	11.4	5.4	229008	SLD 9	340186	1422093	0.084	-302375	SLD 7	-356888	-970824	0.078	Si
249	9.24	5.4	11.4	5.4	276317	SLD 9	375201	1422093	0.084	-319449	SLD 7	-386824	-1165407	0.08	Si
272	10.31	5.4	11.4	5.4	356604	SLD 9	430709	1422094	0.084	-368686	SLD 7	-461592	-1292229	0.082	Si
295	11.38	5.4	11.4	5.4	417592	SLD 9	459353	1422094	0.084	-437854	SLD 7	-527586	-1419031	0.083	Si
317	11.4	5.4	11.4	5.4	459353	SLD 5	459353	1422094	0.084	-527586	SLD 11	-527586	-1422094	0.084	Si
340	11.4	5.4	11.4	5.4	481221	SLD 5	475271	1422094	0.084	-635525	SLD 11	-576912	-1422094	0.084	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.72	0	15608	SLU 29	15608	12156	76908	0	12156	1	Si
23	0.158	12.52	0	14326	SLU 29	14326	11267	76908	18340	18340	1	Si
45	0.158	7.6	0	13025	SLU 29	13025	9541	76908	18340	18340	1	Si
68	0.158	7.6	0	11733	SLU 29	11733	9541	76908	18340	18340	1	Si
91	0.158	7.6	0	10441	SLU 29	10441	9541	76908	18340	18340	1	Si
102	0.13	7.6	0	9795	SLU 29	9795	9541	76908	15059	15059	1	Si
125	0.13	7.6	0	8504	SLU 29	8504	9541	76908	15059	15059	1	Si
147	0.13	7.6	0	7212	SLU 29	7212	9541	76908	15059	15059	1	Si
170	0.13	7.6	0	5920	SLU 29	5920	9541	76908	15059	15059	1	Si
193	0.13	7.6	0	4628	SLU 29	4628	9541	76908	15059	15059	1	Si
215	0.13	7.6	0	3337	SLU 29	3337	9541	76908	15059	15059	1	Si
238	0.13	7.6	0	2067	SLU 20	2067	9541	76908	15059	15059	1	Si
249	0.072	7.6	0	1542	SLU 19	1542	9541	76908	8336	9541	1	Si
272	0.072	11.4	0	640	SLU 19	640	10922	76908	8336	10922	1	Si
272	0.072	7.6	0	-110	SLU 12	-110	-9541	-76908	-8336	-9541	1	Si
295	0.072	7.6	0	-1222	SLU 12	-1222	-9541	-76908	-8336	-9541	1	Si
317	0.072	9.24	0	-2507	SLU 30	-2507	-10183	-76908	-8336	-10183	1	Si
340	0	10.31	0	-3789	SLU 30	-3789	-10561	-76908	0	-10561	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.72	0	17190	SLV 5	18894	12156	76908	0	12156	1	Si
11	0	14.12	0	16757	SLV 5	18461	11728	76908	0	11728	1	Si
23	0.158	12.52	0	16331	SLV 5	18035	11267	76908	18340	18340	1	Si
45	0.158	7.6	0	15459	SLV 5	17163	9541	76908	18340	18340	1	Si
68	0.158	7.6	0	14594	SLV 5	16298	9541	76908	18340	18340	1	Si
68	0.158	7.6	0	1486	SLV 11	-218	-9541	-76908	-18340	-18340	1	Si
91	0.158	7.6	0	13729	SLV 5	15433	9541	76908	18340	18340	1	Si
91	0.158	7.6	0	621	SLV 11	-1083	-9541	-76908	-18340	-18340	1	Si
102	0.13	7.6	0	13296	SLV 5	15000	9541	76908	15059	15059	1	Si
102	0.13	7.6	0	188	SLV 11	-1516	-9541	-76908	-15059	-15059	1	Si
125	0.13	7.6	0	12431	SLV 5	14135	9541	76908	15059	15059	1	Si
125	0.13	7.6	0	-677	SLV 11	-2381	-9541	-76908	-15059	-15059	1	Si
147	0.13	7.6	0	11565	SLV 5	13269	9541	76908	15059	15059	1	Si
147	0.13	7.6	0	-1542	SLV 11	-3246	-9541	-76908	-15059	-15059	1	Si
170	0.13	7.6	0	10700	SLV 5	12404	9541	76908	15059	15059	1	Si
170	0.13	7.6	0	-2408	SLV 11	-4112	-9541	-76908	-15059	-15059	1	Si
193	0.13	11.4	0	9835	SLV 5	11539	10922	76908	15059	15059	1	Si
193	0.13	7.6	0	-3273	SLV 11	-4977	-9541	-76908	-15059	-15059	1	Si
215	0.13	11.4	0	8969	SLV 5	10673	10922	76908	15059	15059	1	Si
215	0.13	7.6	0	-4138	SLV 11	-5842	-9541	-76908	-15059	-15059	1	Si
238	0.13	11.4	0	8104	SLV 5	9808	10922	76908	15059	15059	1	Si
238	0.13	7.6	0	-5004	SLV 11	-6708	-9541	-76908	-15059	-15059	1	Si
249	0.072	11.4	0	7671	SLV 5	9375	10922	76908	8336	10922	1	Si
249	0.072	7.6	0	-5436	SLV 11	-7140	-9541	-76908	-8336	-9541	1	Si
272	0.072	11.4	0	6806	SLV 5	8510	10922	76908	8336	10922	1	Si
272	0.072	7.6	0	-6302	SLV 11	-8006	-9541	-76908	-8336	-9541	1	Si
295	0.072	11.4	0	5941	SLV 5	7645	10922	76908	8336	10922	1	Si
295	0.072	7.6	0	-7167	SLV 11	-8871	-9541	-76908	-8336	-9541	1	Si
317	0.072	11.4	0	5069	SLV 5	6773	10922	76908	8336	10922	1	Si
317	0.072	9.24	0	-8039	SLV 11	-9743	-10183	-76908	-8336	-10183	1	Si
340	0	11.4	0	4210	SLV 5	5914	10922	76908	0	10922	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
340	0	10.31	0	-8898	SLV 11	-10602	-10561	-76908	0	-10561	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.72	0	13536	SLD 5	13536	12156	76908	0	12156	1	Si
11	0	14.12	0	13103	SLD 5	13103	11728	76908	0	11728	1	Si
23	0.158	12.52	0	12677	SLD 5	12677	11267	76908	18340	18340	1	Si
45	0.158	7.6	0	11805	SLD 5	11805	9541	76908	18340	18340	1	Si
68	0.158	7.6	0	10940	SLD 5	10940	9541	76908	18340	18340	1	Si
91	0.158	7.6	0	10075	SLD 5	10075	9541	76908	18340	18340	1	Si
102	0.13	7.6	0	9642	SLD 5	9642	9541	76908	15059	15059	1	Si
125	0.13	7.6	0	8777	SLD 5	8777	9541	76908	15059	15059	1	Si
147	0.13	7.6	0	7911	SLD 5	7911	9541	76908	15059	15059	1	Si
170	0.13	7.6	0	7046	SLD 5	7046	9541	76908	15059	15059	1	Si
193	0.13	7.6	0	6181	SLD 5	6181	9541	76908	15059	15059	1	Si
215	0.13	11.4	0	5315	SLD 5	5315	10922	76908	15059	15059	1	Si
215	0.13	7.6	0	-484	SLD 11	-484	-9541	-76908	-15059	-15059	1	Si
238	0.13	11.4	0	4450	SLD 5	4450	10922	76908	15059	15059	1	Si
238	0.13	7.6	0	-1350	SLD 11	-1350	-9541	-76908	-15059	-15059	1	Si
249	0.072	11.4	0	4017	SLD 5	4017	10922	76908	8336	10922	1	Si
249	0.072	7.6	0	-1782	SLD 11	-1782	-9541	-76908	-8336	-9541	1	Si
272	0.072	11.4	0	3152	SLD 5	3152	10922	76908	8336	10922	1	Si
272	0.072	7.6	0	-2648	SLD 11	-2648	-9541	-76908	-8336	-9541	1	Si
295	0.072	11.4	0	2287	SLD 5	2287	10922	76908	8336	10922	1	Si
295	0.072	7.6	0	-3513	SLD 11	-3513	-9541	-76908	-8336	-9541	1	Si
317	0.072	11.4	0	1415	SLD 5	1415	10922	76908	8336	10922	1	Si
317	0.072	9.24	0	-4385	SLD 11	-4385	-10183	-76908	-8336	-10183	1	Si
340	0	11.4	0	556	SLD 5	556	10922	76908	0	10922	1	Si
340	0	10.31	0	-5243	SLD 11	-5243	-10561	-76908	0	-10561	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1587825	2	-1459025	42.2	124.5	1324.2	1837	-1486868	2	-1367246	39.5	93.4	0	+∞	Si
23	-1340697	2	-1340697	38.8	124.5	1216.8	1837	-1257252	2	-1257252	36.3	93.4	0	+∞	Si
45	-1111320	2	-1340697	38.8	124.5	1221.6	1837	-1043922	2	-1257252	36.4	93.4	0	+∞	Si
68	-905066	2	-1174106	36.2	124.5	1278.3	1837	-851871	2	-1102333	33.9	93.4	0	+∞	Si
91	-720145	2	-961826	32.1	124.5	1304.5	1837	-679433	2	-904740	30.2	93.4	0	+∞	Si
102	-635684	2	-863686	19.4	124.5	299.5	1837	-600570	2	-813299	32.6	93.4	0	+∞	Si
125	-482763	2	-683405	15.4	124.5	237	1837	-457553	2	-645128	25.9	93.4	0	+∞	Si
147	-351173	2	-524456	11.8	124.5	181.9	1837	-334151	2	-496570	19.9	93.4	0	+∞	Si
170	-240917	2	-386841	8.7	124.5	134.1	1837	-230363	2	-367627	14.8	93.4	0	+∞	Si
193	-151993	2	-270558	6.1	124.5	93.8	1837	-146189	2	-258298	10.4	93.4	0	+∞	Si
215	-84646	3	-175608	3.9	124.5	60.9	1837	-81629	2	-168583	6.8	93.4	0	+∞	Si
238	-39287	9	-102141	2.3	124.5	35.4	1837	-36683	2	-98482	4	93.4	0	+∞	Si
249	-24763	9	-73495	2.7	124.5	133.8	1837	-21566	2	-70787	2.6	93.4	0	+∞	Si
272	-10746	9	-32969	1.2	124.5	54	1837	-6041	2	-30107	1.1	93.4	0	+∞	Si
295	-17213	3	-46274	1.6	124.5	68.8	1837	-10131	2	-34117	1.2	93.4	0	+∞	Si
317	-46274	3	-46274	1.6	124.5	68.7	1837	-34117	2	-34117	1.2	93.4	0	+∞	Si
340	-96010	3	-65906	2.3	124.5	97.8	1837	-77152	2	-50820	1.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.014	1	9999	Si
45	-0.008	-0.01	-0.008	-0.01	-0.008	-0.009	-0.008	-0.009	-0.008	-0.009	-0.02	1	-0.023	1	9999	Si
68	-0.01	-0.012	-0.01	-0.012	-0.01	-0.012	-0.01	-0.012	-0.01	-0.011	-0.026	1	-0.029	1	9999	Si
91	-0.011	-0.013	-0.011	-0.013	-0.012	-0.013	-0.011	-0.013	-0.012	-0.013	-0.029	1	-0.032	1	9999	Si
102	-0.012	-0.014	-0.011	-0.014	-0.012	-0.013	-0.012	-0.013	-0.012	-0.013	-0.029	1	-0.033	1	9999	Si
113	-0.012	-0.014	-0.012	-0.014	-0.012	-0.013	-0.012	-0.013	-0.012	-0.013	-0.03	1	-0.033	1	9999	Si
125	-0.012	-0.013	-0.012	-0.014	-0.012	-0.013	-0.012	-0.013	-0.012	-0.013	-0.03	1	-0.033	1	9999	Si
147	-0.011	-0.013	-0.011	-0.013	-0.011	-0.012	-0.011	-0.013	-0.011	-0.012	-0.028	1	-0.032	1	9999	Si
170	-0.01	-0.012	-0.01	-0.012	-0.01	-0.011	-0.01	-0.012	-0.01	-0.011	-0.026	1	-0.029	1	9999	Si
193	-0.009	-0.01	-0.009	-0.011	-0.009	-0.01	-0.009	-0.01	-0.009	-0.01	-0.024	1	-0.026	1	9999	Si
215	-0.008	-0.009	-0.008	-0.009	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.02	1	-0.023	1	9999	Si
238	-0.006	-0.007	-0.007	-0.008	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.017	1	-0.019	1	9999	Si
249	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.015	1	-0.017	1	9999	Si
272	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.011	1	-0.013	1	9999	Si
295	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.008	1	9999	Si
317	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.004	1	-0.004	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	9777	8258	18340	SLV 5	0.38	777	1.036	-1257252	-830503	-2323557	SLV 5	0.46	1342	1.297	Si
45	8906	8258	18340	SLV 5	0.41	986	1.143	-1257252	-830503	-2314368	SLV 5	0.46	1312	1.285	Si
68	8040	8258	18340	SLV 5	0.45	1243	1.257	-1102333	-723739	-1934606	SLV 5	0.42	1003	1.151	Si
91	7175	8258	18340	SLV 5	0.48	1540	1.372	-904740	-576958	-1554423	SLV 5	0.41	950	1.126	Si
102	6742	8258	15059	SLV 5	0.37	724	1.007	-813299	-503943	-970824	SLV 5	0.12	60	0.363	No
125	5877	8258	15059	SLV 5	0.4	922	1.112	-645128	-359437	-970824	SLV 5	0.33	561	0.907	No
147	5012	8258	15059	SLV 5	0.44	1164	1.223	-496570	-220591	-970824	SLV 5	0.57	2474	1.666	Si
170	4146	8258	15059	SLV 5	0.47	1449	1.338	-126566	-355202	-970824	SLV 7	0.57	2474	1.666	Si
193	3281	8258	15059	SLV 5	0.51	1777	1.455	-67547	-497078	-970824	SLV 7	0.57	2474	1.666	Si
215	2416	8258	15059	SLV 5	0.55	2148	1.573	-28142	-641732	-970824	SLV 7	0.52	1922	1.503	Si
238	1550	8258	15059	SLV 5	0.57	2474	1.666	-8351	-787859	-970824	SLV 7	0.44	1177	1.229	Si
249	1118	8258	10922	SLV 5	0.43	1091	1.191	-5811	-861257	-1165407	SLV 7	0.48	1523	1.366	Si
272	252	-8258	-9541	SLV 11	0.43	1088	1.19	-15442	-1008474	-1292229	SLV 7	0.46	1293	1.277	Si
295	-613	-8258	-9541	SLV 11	0.39	861	1.081	-34117	-1115421	-1419031	SLV 11	0.45	1228	1.25	Si
317	-1485	-8258	-10183	SLV 11	0.38	807	1.053	-34117	-1115421	-1422094	SLV 11	0.45	1236	1.254	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	9777	2900	18340	SLD 5	0.4	885	2.751	-1257252	-367488	-2323557	SLD 5	0.39	848	2.703	Si
45	8906	2900	18340	SLD 5	0.44	1138	3.05	-1257252	-367488	-2314368	SLD 5	0.39	830	2.679	Si
68	8040	2900	18340	SLD 5	0.47	1436	3.355	-1102333	-320248	-1934606	SLD 5	0.35	649	2.422	Si
91	7175	2900	18340	SLD 5	0.51	1781	3.664	-904740	-255303	-1554423	SLD 5	0.34	616	2.371	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
102	6742	2900	15059	SLD 5	0.39	824	2.671	-813299	-222995	-970824	SLD 5	0.1	41	0.781	No
125	5877	2900	15059	SLD 5	0.42	1058	2.96	-645128	-159052	-970824	SLD 5	0.28	375	1.935	Si
147	5012	2900	15059	SLD 5	0.46	1345	3.266	-496570	-97601	-970824	SLD 5	0.6	2474	4.193	Si
170	4146	2900	15059	SLD 5	0.5	1676	3.574	-126566	-157092	-970824	SLD 7	0.6	2474	4.193	Si
193	3281	2900	15059	SLD 5	0.54	2055	3.886	-111457	-170531	-970824	SLD 7	0.6	2474	4.193	Si
215	2416	2900	15059	SLD 5	0.57	2474	4.193	-28142	-283880	-970824	SLD 7	0.44	1202	3.119	Si
238	1550	2900	15059	SLD 5	0.6	2474	4.193	-8351	-348537	-970824	SLD 7	0.37	752	2.573	Si
249	1118	2900	10922	SLD 5	0.45	1261	3.181	-5811	-381013	-1165407	SLD 7	0.41	953	2.836	Si
272	252	-2900	-9541	SLD 11	0.45	1256	3.175	-15442	-446150	-1292229	SLD 7	0.38	819	2.665	Si
295	-613	-2900	-9541	SLD 11	0.41	980	2.868	-34117	-493470	-1419031	SLD 11	0.38	781	2.613	Si
317	-1485	-2900	-10183	SLD 11	0.4	919	2.794	-34117	-493470	-1422094	SLD 11	0.38	786	2.62	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 42-1

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 42 - ?, sezione R 45x70, asta 939

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	625960	SLU 21	625960	2322809	0.092						Si
19	19.01	5.4	19.01	5.4	644325	SLU 30	644325	2322809	0.092						Si
28	19.01	5.4	19.01	5.4	648060	SLU 30	648166	2322809	0.092						Si
37	19.01	5.4	19.01	5.4	646847	SLU 30	648166	2322809	0.092						Si
56	19.01	5.4	19.01	5.4	628887	SLU 29	648166	2322809	0.092						Si
65	19.01	5.4	19.01	5.4	612266	SLU 29	647035	2322809	0.092						Si
83	19.01	5.4	19.01	5.4	563546	SLU 29	630518	2322809	0.092						Si
102	19.01	5.4	19.01	5.4	494188	SLU 29	593586	2322809	0.092						Si
120	19.01	5.4	19.01	5.4	404192	SLU 29	536015	2322809	0.092						Si
139	19.01	5.4	19.01	5.4	293558	SLU 29	457806	2322809	0.092						Si
157	19.01	5.4	19.01	5.4	162285	SLU 29	358959	2322809	0.092	86114	SLU 4	-98442	-2322809	0.092	Si
176	19.01	5.4	19.01	5.4	24834	SLU 16	239474	2322809	0.092	-16857	SLU 22	-274185	-2322809	0.092	Si
194	19.01	5.4	19.01	5.4	-92221	SLU 15	101051	2322809	0.092	-170719	SLU 21	-478639	-2322809	0.092	Si
204	19.01	5.4	19.01	5.4	-152385	SLU 15	33210	2322809	0.092	-260706	SLU 21	-589042	-2322809	0.092	Si
222	19.01	5.4	19.01	5.4						-463033	SLU 30	-825328	-2322809	0.092	Si
241	19.01	5.4	19.01	5.4						-687531	SLU 30	-878588	-2322809	0.092	Si
255	19.01	5.4	19.01	5.4						-878588	SLU 30	-878588	-2322809	0.092	Si
259	19.01	5.4	19.01	5.4						-932667	SLU 30	-928001	-2322809	0.092	Si
278	19.01	5.4	19.01	5.4						-1198442	SLU 30	-1031201	-2322809	0.092	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	4104581	SLV 7	3824983	2322809	0.092	-3182759	SLV 9	-2877626	-2322809	0.092	No
19	19.01	5.4	19.01	5.4	3721402	SLV 7	3691467	2322809	0.092	-2778902	SLV 9	-2746317	-2322809	0.092	No
28	19.01	5.4	19.01	5.4	3530037	SLV 7	3530037	2322809	0.092	-2587554	SLV 9	-2587554	-2322809	0.092	No
37	19.01	5.4	19.01	5.4	3324445	SLV 7	3530037	2322809	0.092	-2388883	SLV 9	-2587554	-2322809	0.092	No
56	19.01	5.4	19.01	5.4	2913727	SLV 7	3530037	2322809	0.092	-2012717	SLV 9	-2587554	-2322809	0.092	No
65	19.01	5.4	19.01	5.4	2703218	SLV 7	3352934	2322809	0.092	-1829839	SLV 9	-2416387	-2322809	0.092	No
83	19.01	5.4	19.01	5.4	2271935	SLV 7	2943195	2322809	0.092	-1474529	SLV 9	-2039235	-2322809	0.092	No
102	19.01	5.4	19.01	5.4	1827079	SLV 7	2519727	2322809	0.092	-1133262	SLV 9	-1675968	-2322809	0.092	No
120	19.01	5.4	19.01	5.4	1369061	SLV 7	2082602	2322809	0.092	-806446	SLV 9	-1326659	-2322809	0.092	Si
139	19.01	5.4	19.01	5.4	900007	SLV 7	1632024	2322809	0.092	-496209	SLV 9	-991512	-2322809	0.092	Si
157	19.01	5.4	19.01	5.4	430397	SLV 11	1168797	2322809	0.092	-213031	SLV 5	-671330	-2322809	0.092	Si
176	19.01	5.4	19.01	5.4	117745	SLV 13	693648	2322809	0.092	-114426	SLV 3	-910971	-2322809	0.092	Si
194	19.01	5.4	19.01	5.4	372819	SLV 9	772436	2322809	0.092	-611162	SLV 7	-1446663	-2322809	0.092	Si
204	19.01	5.4	19.01	5.4	503648	SLV 9	892656	2322809	0.092	-873177	SLV 7	-1719762	-2322809	0.092	Si
222	19.01	5.4	19.01	5.4	755259	SLV 9	1122819	2322809	0.092	-1407871	SLV 7	-2276396	-2322809	0.092	Si
241	19.01	5.4	19.01	5.4	993251	SLV 9	1169811	2322809	0.092	-1956561	SLV 7	-2396845	-2322809	0.092	No
255	19.01	5.4	19.01	5.4	1169811	SLV 9	1169811	2322809	0.092	-2396845	SLV 7	-2396845	-2322809	0.092	No
259	19.01	5.4	19.01	5.4	1217526	SLV 9	1213227	2322809	0.092	-2519148	SLV 7	-2508407	-2322809	0.092	No
278	19.01	5.4	19.01	5.4	1428045	SLV 9	1303901	2322809	0.092	-3095594	SLV 7	-2741407	-2322809	0.092	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	2073380	SLD 7	1956764	2322809	0.092	-1151558	SLD 9	-1009407	-2322809	0.092	Si
19	19.01	5.4	19.01	5.4	1909571	SLD 7	1897063	2322809	0.092	-967072	SLD 9	-951912	-2322809	0.092	Si
28	19.01	5.4	19.01	5.4	1824880	SLD 7	1824880	2322809	0.092	-882397	SLD 9	-882397	-2322809	0.092	Si
37	19.01	5.4	19.01	5.4	1731968	SLD 7	1824880	2322809	0.092	-796406	SLD 9	-882397	-2322809	0.092	Si
56	19.01	5.4	19.01	5.4	1540579	SLD 7	1824880	2322809	0.092	-639568	SLD 9	-882397	-2322809	0.092	Si
65	19.01	5.4	19.01	5.4	1439718	SLD 7	1744850	2322809	0.092	-566339	SLD 9	-808303	-2322809	0.092	Si
83	19.01	5.4	19.01	5.4	1227682	SLD 7	1554442	2322809	0.092	-430277	SLD 9	-650482	-2322809	0.092	Si
102	19.01	5.4	19.01	5.4	1001943	SLD 7	1350260	2322809	0.092	-308125	SLD 9	-506501	-2322809	0.092	Si
120	19.01	5.4	19.01	5.4	762681	SLD 7	1132338	2322809	0.092	-200066	SLD 9	-376395	-2322809	0.092	Si
139	19.01	5.4	19.01	5.4	510839	SLD 7	900765	2322809	0.092	-107042	SLD 9	-260253	-2322809	0.092	Si
157	19.01	5.4	19.01	5.4	251053	SLD 11	655898	2322809	0.092	-33688	SLD 5	-209139	-2322809	0.092	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
176	19.01	5.4	19.01	5.4	53030	SLD 13	398057	2322809	0.092	-49712	SLD 3	-511616	-2322809	0.092	Si
194	19.01	5.4	19.01	5.4	98553	SLD 9	153906	2322809	0.092	-336896	SLD 7	-828133	-2322809	0.092	Si
204	19.01	5.4	19.01	5.4	119885	SLD 9	164496	2322809	0.092	-489414	SLD 7	-991602	-2322809	0.092	Si
222	19.01	5.4	19.01	5.4	152329	SLD 9	175355	2322809	0.092	-804941	SLD 7	-1328932	-2322809	0.092	Si
241	19.01	5.4	19.01	5.4	171049	SLD 9	175676	2322809	0.092	-1134359	SLD 7	-1402710	-2322809	0.092	Si
255	19.01	5.4	19.01	5.4	175676	SLD 9	175676	2322809	0.092	-1402710	SLD 7	-1402710	-2322809	0.092	Si
259	19.01	5.4	19.01	5.4	176002	SLD 9	175895	2322809	0.092	-1477624	SLD 7	-1471075	-2322809	0.092	Si
278	19.01	5.4	19.01	5.4	167171	SLD 9	167171	2322809	0.092	-1834720	SLD 7	-1613857	-2322809	0.092	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	1895	SLU 11	1895	12949	76908	0	12949	1	Si
19	0	19.01	0	952	SLU 16	952	12949	76908	0	12949	1	Si
19	0	19.01	0	-489	SLU 22	-489	-12949	-76908	0	-12949	1	Si
28	0.259	19.01	0	521	SLU 16	521	12949	76908	30011	30011	1	Si
28	0.259	19.01	0	-866	SLU 22	-866	-12949	-76908	-30011	-30011	1	Si
37	0.259	19.01	0	66	SLU 16	66	12949	76908	30011	30011	1	Si
37	0.259	19.01	0	-1264	SLU 22	-1264	-12949	-76908	-30011	-30011	1	Si
56	0.259	19.01	0	-2039	SLU 22	-2039	-12949	-76908	-30011	-30011	1	Si
65	0.259	19.01	0	-2427	SLU 22	-2427	-12949	-76908	-30011	-30011	1	Si
83	0.259	19.01	0	-3334	SLU 21	-3334	-12949	-76908	-30011	-30011	1	Si
102	0.299	19.01	0	-4357	SLU 21	-4357	-12949	-76908	-34665	-34665	1	Si
120	0.299	19.01	0	-5441	SLU 30	-5441	-12949	-76908	-34665	-34665	1	Si
139	0.299	19.01	0	-6556	SLU 30	-6556	-12949	-76908	-34665	-34665	1	Si
157	0.299	19.01	0	-7672	SLU 30	-7672	-12949	-76908	-34665	-34665	1	Si
176	0.299	19.01	0	-8787	SLU 30	-8787	-12949	-76908	-34665	-34665	1	Si
194	0.33	19.01	0	-9903	SLU 30	-9903	-12949	-76908	-38347	-38347	1	Si
204	0.33	19.01	0	-10460	SLU 30	-10460	-12949	-76908	-38347	-38347	1	Si
222	0.33	19.01	0	-11576	SLU 30	-11576	-12949	-76908	-38347	-38347	1	Si
241	0.33	19.01	0	-12691	SLU 30	-12691	-12949	-76908	-38347	-38347	1	Si
255	0.33	19.01	0	-13566	SLU 30	-13566	-12949	-76908	-38347	-38347	1	Si
259	0	19.01	0	-13807	SLU 30	-13807	-12949	-76908	0	-12949	1	Si
278	0	19.01	0	-14922	SLU 30	-14922	-12949	-76908	0	-12949	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	22204	SLV 9	27735	12949	76908	0	12949	1	Si
0	0	19.01	0	-20342	SLV 7	-25873	-12949	-76908	0	-12949	1	Si
19	0	19.01	0	21459	SLV 9	26990	12949	76908	0	12949	1	Si
19	0	19.01	0	-21088	SLV 7	-26619	-12949	-76908	0	-12949	1	Si
28	0.259	19.01	0	21096	SLV 9	26627	12949	76908	30011	30011	1	Si
28	0.259	19.01	0	-21451	SLV 7	-26982	-12949	-76908	-30011	-30011	1	Si
37	0.259	19.01	0	20713	SLV 9	26244	12949	76908	30011	30011	1	Si
37	0.259	19.01	0	-21834	SLV 7	-27365	-12949	-76908	-30011	-30011	1	Si
56	0.259	19.01	0	19967	SLV 9	25498	12949	76908	30011	30011	1	Si
56	0.259	19.01	0	-22580	SLV 7	-28111	-12949	-76908	-30011	-30011	1	Si
65	0.259	19.01	0	19593	SLV 9	25125	12949	76908	30011	30011	1	Si
65	0.259	19.01	0	-22953	SLV 7	-28484	-12949	-76908	-30011	-30011	1	Si
83	0.259	19.01	0	18847	SLV 9	24378	12949	76908	30011	30011	1	Si
83	0.259	19.01	0	-23700	SLV 7	-29231	-12949	-76908	-30011	-30011	1	Si
102	0.299	19.01	0	18101	SLV 9	23632	12949	76908	34665	34665	1	Si
102	0.299	19.01	0	-24446	SLV 7	-29977	-12949	-76908	-34665	-34665	1	Si
120	0.299	19.01	0	17355	SLV 9	22886	12949	76908	34665	34665	1	Si
120	0.299	19.01	0	-25192	SLV 7	-30723	-12949	-76908	-34665	-34665	1	Si
139	0.299	19.01	0	16608	SLV 9	22140	12949	76908	34665	34665	1	Si
139	0.299	19.01	0	-25938	SLV 7	-31469	-12949	-76908	-34665	-34665	1	Si
157	0.299	19.01	0	15862	SLV 9	21393	12949	76908	34665	34665	1	Si
157	0.299	19.01	0	-26685	SLV 7	-32216	-12949	-76908	-34665	-34665	1	Si
176	0.299	19.01	0	15116	SLV 9	20647	12949	76908	34665	34665	1	Si
176	0.299	19.01	0	-27431	SLV 7	-32962	-12949	-76908	-34665	-34665	1	Si
194	0.33	19.01	0	14370	SLV 9	19901	12949	76908	38347	38347	1	Si
194	0.33	19.01	0	-28177	SLV 7	-33708	-12949	-76908	-38347	-38347	1	Si
204	0.33	19.01	0	13997	SLV 9	19528	12949	76908	38347	38347	1	Si
204	0.33	19.01	0	-28550	SLV 7	-34081	-12949	-76908	-38347	-38347	1	Si
222	0.33	19.01	0	13250	SLV 9	18781	12949	76908	38347	38347	1	Si
222	0.33	19.01	0	-29296	SLV 7	-34828	-12949	-76908	-38347	-38347	1	Si
241	0.33	19.01	0	12504	SLV 9	18035	12949	76908	38347	38347	1	Si
241	0.33	19.01	0	-30043	SLV 7	-35574	-12949	-76908	-38347	-38347	1	Si
255	0.33	19.01	0	11919	SLV 9	17450	12949	76908	38347	38347	1	Si
255	0.33	19.01	0	-30628	SLV 7	-36159	-12949	-76908	-38347	-38347	1	Si
259	0	19.01	0	11758	SLV 9	17289	12949	76908	0	12949	1	Si
259	0	19.01	0	-30789	SLV 7	-36320	-12949	-76908	0	-12949	1	Si
278	0	19.01	0	11012	SLV 9	16543	12949	76908	0	12949	1	Si
278	0	19.01	0	-31535	SLV 7	-37066	-12949	-76908	0	-12949	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	10345	SLD 9	10345	12949	76908	0	12949	1	Si
0	0	19.01	0	-8483	SLD 7	-8483	-12949	-76908	0	-12949	1	Si
19	0	19.01	0	9600	SLD 9	9600	12949	76908	0	12949	1	Si
19	0	19.01	0	-9229	SLD 7	-9229	-12949	-76908	0	-12949	1	Si
28	0.259	19.01	0	9237	SLD 9	9237	12949	76908	30011	30011	1	Si
28	0.259	19.01	0	-9592	SLD 7	-9592	-12949	-76908	-30011	-30011	1	Si
37	0.259	19.01	0	8854	SLD 9	8854	12949	76908	30011	30011	1	Si
37	0.259	19.01	0	-9975	SLD 7	-9975	-12949	-76908	-30011	-30011	1	Si
56	0.259	19.01	0	8107	SLD 9	8107	12949	76908	30011	30011	1	Si
56	0.259	19.01	0	-10721	SLD 7	-10721	-12949	-76908	-30011	-30011	1	Si
65	0.259	19.01	0	7734	SLD 9	7734	12949	76908	30011	30011	1	Si
65	0.259	19.01	0	-11094	SLD 7	-11094	-12949	-76908	-30011	-30011	1	Si
83	0.259	19.01	0	6988	SLD 9	6988	12949	76908	30011	30011	1	Si
83	0.259	19.01	0	-11841	SLD 7	-11841	-12949	-76908	-30011	-30011	1	Si
102	0.299	19.01	0	6242	SLD 9	6242	12949	76908	34665	34665	1	Si
102	0.299	19.01	0	-12587	SLD 7	-12587	-12949	-76908	-34665	-34665	1	Si
120	0.299	19.01	0	5496	SLD 9	5496	12949	76908	34665	34665	1	Si
120	0.299	19.01	0	-13333	SLD 7	-13333	-12949	-76908	-34665	-34665	1	Si
139	0.299	19.01	0	4749	SLD 9	4749	12949	76908	34665	34665	1	Si
139	0.299	19.01	0	-14079	SLD 7	-14079	-12949	-76908	-34665	-34665	1	Si
157	0.299	19.01	0	4003	SLD 9	4003	12949	76908	34665	34665	1	Si
157	0.299	19.01	0	-14826	SLD 7	-14826	-12949	-76908	-34665	-34665	1	Si
176	0.299	19.01	0	3257	SLD 9	3257	12949	76908	34665	34665	1	Si
176	0.299	19.01	0	-15572	SLD 7	-15572	-12949	-76908	-34665	-34665	1	Si
194	0.33	19.01	0	2511	SLD 9	2511	12949	76908	38347	38347	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
194	0.33	19.01	0	-16318	SLD 7	-16318	-12949	-76908	-38347	-38347	1	Si
204	0.33	19.01	0	2138	SLD 9	2138	12949	76908	38347	38347	1	Si
204	0.33	19.01	0	-16691	SLD 7	-16691	-12949	-76908	-38347	-38347	1	Si
222	0.33	19.01	0	1391	SLD 9	1391	12949	76908	38347	38347	1	Si
222	0.33	19.01	0	-17437	SLD 7	-17437	-12949	-76908	-38347	-38347	1	Si
241	0.33	19.01	0	645	SLD 9	645	12949	76908	38347	38347	1	Si
241	0.33	19.01	0	-18184	SLD 7	-18184	-12949	-76908	-38347	-38347	1	Si
255	0.33	19.01	0	60	SLD 9	60	12949	76908	38347	38347	1	Si
255	0.33	19.01	0	-18769	SLD 7	-18769	-12949	-76908	-38347	-38347	1	Si
259	0	19.01	0	-18930	SLD 7	-18930	-12949	-76908	0	-12949	1	Si
278	0	19.01	0	-19676	SLD 7	-19676	-12949	-76908	0	-12949	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	473984	3	473984	12.5	124.5	427	1837	460911	2	460911	12.1	93.4	0	+∞	Si
19	488234	3	488234	12.9	124.5	439.8	1837	471250	2	471250	12.4	93.4	0	+∞	Si
28	489682	3	489723	12.9	124.5	441.2	1837	471242	2	471242	12.4	93.4	0	+∞	Si
37	487455	3	489723	12.9	124.5	441.2	1837	467781	2	471242	12.4	93.4	0	+∞	Si
56	471750	2	489723	12.9	124.5	441.2	1837	450505	2	471242	12.4	93.4	0	+∞	Si
65	458328	2	487778	12.8	124.5	439.4	1837	436690	2	468274	12.3	93.4	0	+∞	Si
83	420210	2	473126	12.5	124.5	426.2	1837	398703	2	451980	11.9	93.4	0	+∞	Si
102	367064	2	443592	11.7	124.5	399.6	1837	346909	2	421879	11.1	93.4	0	+∞	Si
120	298888	2	399030	10.5	124.5	359.5	1837	281307	2	377971	10	93.4	0	+∞	Si
139	215682	2	339438	8.9	124.5	305.8	1837	201899	2	320256	8.4	93.4	0	+∞	Si
157	117447	2	264817	7	124.5	238.6	1837	108683	2	248733	6.6	93.4	0	+∞	Si
176	9723	7	175166	4.6	124.5	157.8	1837	1659	2	163403	4.3	93.4	0	+∞	Si
176	-5397	4	-206365	5.4	124.5	185.9	1837	-2126	1	-194590	5.1	93.4	0	+∞	Si
194	-125982	3	-358508	9.4	124.5	323	1837	-119171	2	-337114	8.9	93.4	0	+∞	Si
204	-195883	3	-440216	11.6	124.5	396.6	1837	-184764	2	-413553	10.9	93.4	0	+∞	Si
222	-346957	3	-614903	16.2	124.5	553.9	1837	-326306	2	-576788	15.2	93.4	0	+∞	Si
241	-513060	3	-654245	17.2	124.5	589.4	1837	-481655	2	-613517	16.2	93.4	0	+∞	Si
255	-654245	3	-654245	17.2	124.5	589.4	1837	-613517	2	-613517	16.2	93.4	0	+∞	Si
259	-694193	3	-690744	18.2	124.5	622.2	1837	-650811	2	-647590	17.1	93.4	0	+∞	Si
278	-890355	3	-766974	20.2	124.5	690.9	1837	-833775	2	-718753	18.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
28	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.004	2	9999	Si
37	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.004	0.003	0.006	2	0.006	2	9999	Si
56	0.005	0.004	0.004	0.003	0.005	0.004	0.003	0.003	0.005	0.004	0.008	2	0.007	2	9999	Si
65	0.005	0.005	0.004	0.003	0.005	0.005	0.004	0.003	0.005	0.005	0.008	2	0.008	2	9999	Si
83	0.006	0.005	0.004	0.004	0.006	0.005	0.004	0.004	0.005	0.005	0.009	2	0.008	2	9999	Si
93	0.006	0.005	0.004	0.004	0.006	0.005	0.004	0.004	0.006	0.005	0.009	2	0.008	2	9999	Si
102	0.006	0.005	0.004	0.003	0.006	0.005	0.004	0.004	0.005	0.005	0.009	2	0.008	2	9999	Si
120	0.005	0.005	0.004	0.003	0.005	0.005	0.004	0.003	0.005	0.005	0.008	2	0.007	2	9999	Si
139	0.005	0.004	0.003	0.003	0.005	0.004	0.003	0.003	0.005	0.004	0.007	2	0.006	2	9999	Si
157	0.004	0.003	0.002	0.002	0.004	0.003	0.002	0.002	0.004	0.003	0.005	2	0.005	2	9999	Si
176	0.003	0.002	0.002	0.001	0.003	0.002	0.002	0.001	0.003	0.002	0.003	2	0.003	2	9999	Si
194	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.002	2	0.002	2	9999	Si
204	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
222	0	0	0	0	0	0	0	0	0	0	0	2	-0.001	2	9999	Si
241	0	0	0	-0.001	0	0	-0.001	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
255	0	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	1	-0.001	1	9999	Si
259	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	1	-0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	-177	-26804	-30011	SLV 7	0.4	924	1.113	471242	3058795	2322809	SLV 7	0.23	229	0.628	No
37	-561	-26804	-30011	SLV 7	0.4	895	1.098	471242	3058795	2322809	SLV 7	0.23	229	0.628	No
56	-1307	-26804	-30011	SLV 7	0.39	841	1.071	471242	3058795	2322809	SLV 7	0.23	229	0.628	No
65	-1680	-26804	-30011	SLV 7	0.38	814	1.056	468274	2884660	2322809	SLV 7	0.24	261	0.663	No
83	-2426	-26804	-30011	SLV 7	0.37	763	1.029	451980	2491215	2322809	SLV 7	0.28	366	0.761	No
102	-3172	-26804	-34665	SLV 7	0.42	1061	1.178	421879	2097847	2322809	SLV 7	0.33	561	0.907	No
120	-3919	-26804	-34665	SLV 7	0.42	996	1.148	377971	1704631	2322809	SLV 7	0.41	982	1.141	Si
139	-4665	-26804	-34665	SLV 7	0.41	936	1.119	320256	1311768	2322809	SLV 7	0.54	2131	1.567	Si
157	-5411	-26804	-34665	SLV 7	0.4	881	1.091	248733	920064	2322809	SLV 7	0.57	2474	1.666	Si
176	-6157	-26804	-34665	SLV 7	0.39	827	1.063	-194590	-716381	-2322809	SLV 7	0.57	2474	1.666	Si
194	-6904	-26804	-38347	SLV 7	0.42	1057	1.176	-337114	-1109550	-2322809	SLV 7	0.57	2474	1.666	Si
204	-7277	-26804	-38347	SLV 7	0.42	1024	1.161	-413553	-1306209	-2322809	SLV 7	0.52	1897	1.494	Si
222	-8023	-26804	-38347	SLV 7	0.41	961	1.131	-576788	-1699608	-2322809	SLV 7	0.37	760	1.027	Si
241	-8769	-26804	-38347	SLV 7	0.4	905	1.103	-613517	-1783328	-2322809	SLV 7	0.35	642	0.958	No
255	-9354	-26804	-38347	SLV 7	0.39	862	1.082	-613517	-1783328	-2322809	SLV 7	0.35	642	0.958	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	-177	-9414	-30011	SLD 7	0.42	1060	2.962	471242	1353638	2322809	SLD 7	0.19	156	1.35	Si
37	-561	-9414	-30011	SLD 7	0.42	1023	2.919	471242	1353638	2322809	SLD 7	0.19	156	1.35	Si
56	-1307	-9414	-30011	SLD 7	0.41	957	2.841	471242	1353638	2322809	SLD 7	0.19	156	1.35	Si
65	-1680	-9414	-30011	SLD 7	0.4	926	2.802	468274	1276577	2322809	SLD 7	0.2	177	1.422	Si
83	-2426	-9414	-30011	SLD 7	0.39	868	2.729	451980	1102462	2322809	SLD 7	0.23	248	1.633	Si
102	-3172	-9414	-34665	SLD 7	0.45	1225	3.143	421879	928381	2322809	SLD 7	0.28	375	1.935	Si
120	-3919	-9414	-34665	SLD 7	0.44	1150	3.063	377971	754367	2322809	SLD 7	0.35	636	2.402	Si
139	-4665	-9414	-34665	SLD 7	0.43	1076	2.98	320256	580509	2322809	SLD 7	0.46	1329	3.25	Si
157	-5411	-9414	-34665	SLD 7	0.42	1006	2.899	248733	407164	2322809	SLD 7	0.6	2474	4.193	Si
176	-6157	-9414	-34665	SLD 7	0.41	941	2.821	-194590	-317027	-2322809	SLD 7	0.6	2474	4.193	Si
194	-6904	-9414	-38347	SLD 7	0.45	1220	3.138	-337114	-491019	-2322809	SLD 7	0.53	2031	3.867	Si
204	-7277	-9414	-38347	SLD 7	0.44	1182	3.097	-413553	-578049	-2322809	SLD 7	0.44	1184	3.1	Si
222	-8023	-9414	-38347	SLD 7	0.43	1108	3.016	-576788	-752144	-2322809	SLD 7	0.31	494	2.166	Si
241	-8769	-9414	-38347	SLD 7	0.42	1036	2.934	-613517	-789193	-2322809	SLD 7	0.3	424	2.034	Si
255	-9354	-9414	-38347	SLD 7	0.41	982	2.871	-613517	-789193	-2322809	SLD 7	0.3	424	2.034	Si

Campata 2 tra i fili ? - ?, sezione R 45x70, asta 940

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4						-525694	SLU 30	-471903	-2322809	0.092	Si
12	19.01	5.4	19.01	5.4						-473159	SLU 30	-461200	-2322809	0.092	Si
23	19.01	5.4	19.01	5.4						-433206	SLU 30	-433206	-2322809	0.092	Si
35	19.01	5.4	19.01	5.4						-393417	SLU 30	-433206	-2322809	0.092	Si
47	19.01	5.4	19.01	5.4						-366208	SLU 30	-433206	-2322809	0.092	Si
53	19.01	5.4	19.01	5.4						-355769	SLU 30	-427429	-2322809	0.092	Si
65	19.01	5.4	19.01	5.4						-341223	SLU 30	-392145	-2322809	0.092	Si
77	19.01	5.4	19.01	5.4						-335119	SLU 30	-365302	-2322809	0.092	Si
89	19.01	5.4	19.01	5.4						-337456	SLU 30	-380228	-2322809	0.092	Si
101	19.01	5.4	19.01	5.4						-348495	SLU 29	-412325	-2322809	0.092	Si
112	19.01	5.4	19.01	5.4						-368295	SLU 29	-452863	-2322809	0.092	Si
124	19.01	5.4	19.01	5.4						-396538	SLU 29	-501844	-2322809	0.092	Si
136	19.01	5.4	19.01	5.4						-433222	SLU 29	-509566	-2322809	0.092	Si
142	19.01	5.4	19.01	5.4						-454729	SLU 29	-509566	-2322809	0.092	Si
155	19.01	5.4	19.01	5.4						-509566	SLU 29	-509566	-2322809	0.092	Si
166	19.01	5.4	19.01	5.4						-561865	SLU 29	-546979	-2322809	0.092	Si
177	19.01	5.4	19.01	5.4						-628095	SLU 29	-561284	-2322809	0.092	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	2126658	SLV 11	1861621	2322809	0.092	-2784099	SLV 5	-2454449	-2322809	0.092	No
12	19.01	5.4	19.01	5.4	1857719	SLV 11	1792316	2322809	0.092	-2452610	SLV 5	-2372858	-2322809	0.092	No
23	19.01	5.4	19.01	5.4	1611058	SLV 11	1611058	2322809	0.092	-2159469	SLV 5	-2159469	-2322809	0.092	Si
35	19.01	5.4	19.01	5.4	1305635	SLV 11	1611058	2322809	0.092	-1809314	SLV 5	-2159469	-2322809	0.092	Si
47	19.01	5.4	19.01	5.4	1023079	SLV 11	1611058	2322809	0.092	-1498094	SLV 5	-2159469	-2322809	0.092	Si
53	19.01	5.4	19.01	5.4	880291	SLV 11	1571925	2322809	0.092	-1345210	SLV 5	-2113706	-2322809	0.092	Si
65	19.01	5.4	19.01	5.4	591773	SLV 11	1293423	2322809	0.092	-1044972	SLV 5	-1795735	-2322809	0.092	Si
77	19.01	5.4	19.01	5.4	299307	SLV 11	1010691	2322809	0.092	-752081	SLV 5	-1484830	-2322809	0.092	Si
89	19.01	5.4	19.01	5.4	2998	SLV 11	723963	2322809	0.092	-466642	SLV 5	-1181224	-2322809	0.092	Si
101	19.01	5.4	19.01	5.4	-52354	SLV 13	596327	2322809	0.092	-433455	SLV 3	-1184659	-2322809	0.092	Si
112	19.01	5.4	19.01	5.4	192739	SLV 9	867076	2322809	0.092	-712010	SLV 7	-1516617	-2322809	0.092	Si
124	19.01	5.4	19.01	5.4	471003	SLV 9	1132476	2322809	0.092	-1035030	SLV 7	-1854522	-2322809	0.092	Si
136	19.01	5.4	19.01	5.4	744156	SLV 9	1169662	2322809	0.092	-1364235	SLV 7	-1903029	-2322809	0.092	Si
142	19.01	5.4	19.01	5.4	878754	SLV 9	1169662	2322809	0.092	-1531094	SLV 7	-1903029	-2322809	0.092	Si
155	19.01	5.4	19.01	5.4	1169662	SLV 9	1169662	2322809	0.092	-1903029	SLV 7	-1903029	-2322809	0.092	Si
166	19.01	5.4	19.01	5.4	1403654	SLV 9	1350508	2322809	0.092	-2213279	SLV 7	-2138727	-2322809	0.092	Si
177	19.01	5.4	19.01	5.4	1657902	SLV 9	1419656	2322809	0.092	-2563113	SLV 7	-2228848	-2322809	0.092	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	757881	SLD 11	658601	2322809	0.092	-1415321	SLD 5	-1251429	-2322809	0.092	Si
12	19.01	5.4	19.01	5.4	656299	SLD 11	631355	2322809	0.092	-1251190	SLD 5	-1211898	-2322809	0.092	Si
23	19.01	5.4	19.01	5.4	560097	SLD 11	560097	2322809	0.092	-1108509	SLD 5	-1108509	-2322809	0.092	Si
35	19.01	5.4	19.01	5.4	437404	SLD 11	560097	2322809	0.092	-941082	SLD 5	-1108509	-2322809	0.092	Si
47	19.01	5.4	19.01	5.4	320351	SLD 11	560097	2322809	0.092	-795366	SLD 5	-1108509	-2322809	0.092	Si
53	19.01	5.4	19.01	5.4	259975	SLD 11	544627	2322809	0.092	-724894	SLD 5	-1086408	-2322809	0.092	Si
65	19.01	5.4	19.01	5.4	135561	SLD 11	432380	2322809	0.092	-588760	SLD 5	-934692	-2322809	0.092	Si
77	19.01	5.4	19.01	5.4	6252	SLD 11	315113	2322809	0.092	-459026	SLD 5	-789252	-2322809	0.092	Si
89	19.01	5.4	19.01	5.4	-127907	SLD 11	192929	2322809	0.092	-335737	SLD 5	-650189	-2322809	0.092	Si
101	19.01	5.4	19.01	5.4	-158581	SLD 13	99912	2322809	0.092	-327229	SLD 3	-688244	-2322809	0.092	Si
112	19.01	5.4	19.01	5.4	-59442	SLD 9	202669	2322809	0.092	-459829	SLD 7	-852210	-2322809	0.092	Si
124	19.01	5.4	19.01	5.4	51226	SLD 9	299909	2322809	0.092	-615253	SLD 7	-1021955	-2322809	0.092	Si
136	19.01	5.4	19.01	5.4	156484	SLD 9	313210	2322809	0.092	-776563	SLD 7	-1046577	-2322809	0.092	Si
142	19.01	5.4	19.01	5.4	207056	SLD 9	313210	2322809	0.092	-859397	SLD 7	-1046577	-2322809	0.092	Si
155	19.01	5.4	19.01	5.4	313210	SLD 9	313210	2322809	0.092	-1046577	SLD 7	-1046577	-2322809	0.092	Si
166	19.01	5.4	19.01	5.4	395505	SLD 9	377953	2322809	0.092	-1205131	SLD 7	-1166172	-2322809	0.092	Si
177	19.01	5.4	19.01	5.4	481378	SLD 9	402708	2322809	0.092	-1386589	SLD 7	-1211899	-2322809	0.092	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	4796	SLU 30	4796	12949	76908	0	12949	1	Si
12	0	19.01	0	4083	SLU 30	4083	12949	76908	0	12949	1	Si
23	0.319	19.01	0	3440	SLU 30	3440	12949	76908	36995	36995	1	Si
35	0.319	19.01	0	2656	SLU 30	2656	12949	76908	36995	36995	1	Si
47	0.319	19.01	0	1968	SLU 12	1968	12949	76908	36995	36995	1	Si
53	0.319	19.01	0	1661	SLU 12	1661	12949	76908	36995	36995	1	Si
65	0.319	19.01	0	1046	SLU 12	1046	12949	76908	36995	36995	1	Si
65	0.319	19.01	0	-343	SLU 19	-343	-12949	-76908	-36995	-36995	1	Si
77	0.319	19.01	0	432	SLU 12	432	12949	76908	36995	36995	1	Si
77	0.319	19.01	0	-839	SLU 19	-839	-12949	-76908	-36995	-36995	1	Si
89	0.319	19.01	0	-1334	SLU 19	-1334	-12949	-76908	-36995	-36995	1	Si
101	0.319	19.01	0	-1830	SLU 19	-1830	-12949	-76908	-36995	-36995	1	Si
112	0.319	19.01	0	-2326	SLU 19	-2326	-12949	-76908	-36995	-36995	1	Si
124	0.319	19.01	0	-2822	SLU 19	-2822	-12949	-76908	-36995	-36995	1	Si
136	0.319	19.01	0	-3461	SLU 20	-3461	-12949	-76908	-36995	-36995	1	Si
142	0.319	19.01	0	-3813	SLU 29	-3813	-12949	-76908	-36995	-36995	1	Si
155	0.319	19.01	0	-4597	SLU 29	-4597	-12949	-76908	-36995	-36995	1	Si
166	0	19.01	0	-5240	SLU 29	-5240	-12949	-76908	0	-12949	1	Si
177	0	19.01	0	-5954	SLU 29	-5954	-12949	-76908	0	-12949	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	28473	SLV 9	35127	12949	76908	0	12949	1	Si
0	0	19.01	0	-22710	SLV 7	-29364	-12949	-76908	0	-12949	1	Si
12	0	19.01	0	27996	SLV 9	34650	12949	76908	0	12949	1	Si
12	0	19.01	0	-23187	SLV 7	-29841	-12949	-76908	0	-12949	1	Si
23	0.319	19.01	0	27566	SLV 9	34220	12949	76908	36995	36995	1	Si
23	0.319	19.01	0	-23618	SLV 7	-30271	-12949	-76908	-36995	-36995	1	Si
35	0.319	19.01	0	27041	SLV 9	33695	12949	76908	36995	36995	1	Si
35	0.319	19.01	0	-24142	SLV 7	-30796	-12949	-76908	-36995	-36995	1	Si
47	0.319	19.01	0	26564	SLV 9	33218	12949	76908	36995	36995	1	Si
47	0.319	19.01	0	-24619	SLV 7	-31273	-12949	-76908	-36995	-36995	1	Si
53	0.319	19.01	0	26326	SLV 9	32979	12949	76908	36995	36995	1	Si
53	0.319	19.01	0	-24858	SLV 7	-31512	-12949	-76908	-36995	-36995	1	Si
65	0.319	19.01	0	25848	SLV 9	32502	12949	76908	36995	36995	1	Si
65	0.319	19.01	0	-25335	SLV 7	-31989	-12949	-76908	-36995	-36995	1	Si
77	0.319	19.01	0	25371	SLV 9	32025	12949	76908	36995	36995	1	Si
77	0.319	19.01	0	-25812	SLV 7	-32466	-12949	-76908	-36995	-36995	1	Si
89	0.319	19.01	0	24894	SLV 9	31548	12949	76908	36995	36995	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
89	0.319	19.01	0	-26290	SLV 7	-32943	-12949	-76908	-36995	-36995	1	Si
101	0.319	19.01	0	24416	SLV 9	31070	12949	76908	36995	36995	1	Si
101	0.319	19.01	0	-26767	SLV 7	-33421	-12949	-76908	-36995	-36995	1	Si
112	0.319	19.01	0	23939	SLV 9	30593	12949	76908	36995	36995	1	Si
112	0.319	19.01	0	-27244	SLV 7	-33898	-12949	-76908	-36995	-36995	1	Si
124	0.319	19.01	0	23462	SLV 9	30116	12949	76908	36995	36995	1	Si
124	0.319	19.01	0	-27721	SLV 7	-34375	-12949	-76908	-36995	-36995	1	Si
136	0.319	19.01	0	22985	SLV 9	29638	12949	76908	36995	36995	1	Si
136	0.319	19.01	0	-28199	SLV 7	-34852	-12949	-76908	-36995	-36995	1	Si
142	0.319	19.01	0	22746	SLV 9	29400	12949	76908	36995	36995	1	Si
142	0.319	19.01	0	-28437	SLV 7	-35091	-12949	-76908	-36995	-36995	1	Si
155	0.319	19.01	0	22222	SLV 9	28876	12949	76908	36995	36995	1	Si
155	0.319	19.01	0	-28962	SLV 7	-35615	-12949	-76908	-36995	-36995	1	Si
166	0	19.01	0	21791	SLV 9	28445	12949	76908	0	12949	1	Si
166	0	19.01	0	-29392	SLV 7	-36046	-12949	-76908	0	-12949	1	Si
177	0	19.01	0	21314	SLV 9	27968	12949	76908	0	12949	1	Si
177	0	19.01	0	-29869	SLV 7	-36523	-12949	-76908	0	-12949	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	14207	SLD 9	14207	12949	76908	0	12949	1	Si
0	0	19.01	0	-8444	SLD 7	-8444	-12949	-76908	0	-12949	1	Si
12	0	19.01	0	13730	SLD 9	13730	12949	76908	0	12949	1	Si
12	0	19.01	0	-8921	SLD 7	-8921	-12949	-76908	0	-12949	1	Si
23	0.319	19.01	0	13299	SLD 9	13299	12949	76908	36995	36995	1	Si
23	0.319	19.01	0	-9351	SLD 7	-9351	-12949	-76908	-36995	-36995	1	Si
35	0.319	19.01	0	12775	SLD 9	12775	12949	76908	36995	36995	1	Si
35	0.319	19.01	0	-9876	SLD 7	-9876	-12949	-76908	-36995	-36995	1	Si
47	0.319	19.01	0	12298	SLD 9	12298	12949	76908	36995	36995	1	Si
47	0.319	19.01	0	-10353	SLD 7	-10353	-12949	-76908	-36995	-36995	1	Si
53	0.319	19.01	0	12059	SLD 9	12059	12949	76908	36995	36995	1	Si
53	0.319	19.01	0	-10591	SLD 7	-10591	-12949	-76908	-36995	-36995	1	Si
65	0.319	19.01	0	11582	SLD 9	11582	12949	76908	36995	36995	1	Si
65	0.319	19.01	0	-11069	SLD 7	-11069	-12949	-76908	-36995	-36995	1	Si
77	0.319	19.01	0	11105	SLD 9	11105	12949	76908	36995	36995	1	Si
77	0.319	19.01	0	-11546	SLD 7	-11546	-12949	-76908	-36995	-36995	1	Si
89	0.319	19.01	0	10627	SLD 9	10627	12949	76908	36995	36995	1	Si
89	0.319	19.01	0	-12023	SLD 7	-12023	-12949	-76908	-36995	-36995	1	Si
101	0.319	19.01	0	10150	SLD 9	10150	12949	76908	36995	36995	1	Si
101	0.319	19.01	0	-12501	SLD 7	-12501	-12949	-76908	-36995	-36995	1	Si
112	0.319	19.01	0	9673	SLD 9	9673	12949	76908	36995	36995	1	Si
112	0.319	19.01	0	-12978	SLD 7	-12978	-12949	-76908	-36995	-36995	1	Si
124	0.319	19.01	0	9196	SLD 9	9196	12949	76908	36995	36995	1	Si
124	0.319	19.01	0	-13455	SLD 7	-13455	-12949	-76908	-36995	-36995	1	Si
136	0.319	19.01	0	8718	SLD 9	8718	12949	76908	36995	36995	1	Si
136	0.319	19.01	0	-13932	SLD 7	-13932	-12949	-76908	-36995	-36995	1	Si
142	0.319	19.01	0	8480	SLD 9	8480	12949	76908	36995	36995	1	Si
142	0.319	19.01	0	-14171	SLD 7	-14171	-12949	-76908	-36995	-36995	1	Si
155	0.319	19.01	0	7955	SLD 9	7955	12949	76908	36995	36995	1	Si
155	0.319	19.01	0	-14695	SLD 7	-14695	-12949	-76908	-36995	-36995	1	Si
166	0	19.01	0	7525	SLD 9	7525	12949	76908	0	12949	1	Si
166	0	19.01	0	-15126	SLD 7	-15126	-12949	-76908	0	-12949	1	Si
177	0	19.01	0	7048	SLD 9	7048	12949	76908	0	12949	1	Si
177	0	19.01	0	-15603	SLD 7	-15603	-12949	-76908	0	-12949	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-376256	3	-338558	8.9	124.5	305	1837	-328720	2	-296414	7.8	93.4	0	+∞	Si
12	-339549	3	-331171	8.7	124.5	298.3	1837	-297445	2	-290271	7.6	93.4	0	+∞	Si
23	-311851	3	-311851	8.2	124.5	280.9	1837	-274206	2	-274206	7.2	93.4	0	+∞	Si
35	-284578	3	-311851	8.2	124.5	280.9	1837	-251839	2	-274206	7.2	93.4	0	+∞	Si
47	-266314	3	-311851	8.2	124.5	280.9	1837	-237507	2	-274206	7.2	93.4	0	+∞	Si
53	-259487	3	-307864	8.1	124.5	277.3	1837	-232459	2	-270890	7.1	93.4	0	+∞	Si
65	-250445	3	-283719	7.5	124.5	255.6	1837	-226599	2	-251156	6.6	93.4	0	+∞	Si
77	-247549	3	-266949	7	124.5	240.5	1837	-226387	2	-249900	6.6	93.4	0	+∞	Si
89	-250802	3	-285690	7.5	124.5	257.4	1837	-231822	2	-269209	7.1	93.4	0	+∞	Si
101	-260375	2	-310578	8.2	124.5	279.8	1837	-242905	2	-294166	7.7	93.4	0	+∞	Si
112	-276309	2	-341615	9	124.5	307.7	1837	-259635	2	-324771	8.6	93.4	0	+∞	Si
124	-298390	2	-378798	10	124.5	341.2	1837	-282014	2	-361023	9.5	93.4	0	+∞	Si
136	-326619	2	-384636	10.1	124.5	346.5	1837	-310039	2	-366684	9.7	93.4	0	+∞	Si
142	-343039	2	-384636	10.1	124.5	346.5	1837	-326170	2	-366684	9.7	93.4	0	+∞	Si
155	-384636	2	-384636	10.1	124.5	346.5	1837	-366684	2	-366684	9.7	93.4	0	+∞	Si
166	-424088	2	-412923	10.9	124.5	372	1837	-404813	2	-394109	10.4	93.4	0	+∞	Si
177	-473833	2	-423739	11.2	124.5	381.7	1837	-452605	2	-404596	10.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
35	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
47	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
53	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
65	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
77	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
89	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
95	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
101	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
112	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
124	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
136	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
142	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	1	-0.004	1	9999	Si
155	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
166	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1974	32245	36995	SLV 9	0.39	870	1.086	-274206	-1885264	-2322809	SLV 5	0.39	871	1.086	Si
35	1450	32245	36995	SLV 9	0.4	902	1.102	-274206	-1885264	-2322809	SLV 5	0.39	871	1.086	Si
47	972	32245	36995	SLV 9	0.4	932	1.117	-274206	-1885264	-2322809	SLV 5	0.39	871	1.086	Si
53	734	32245	36995	SLV 9	0.41	947	1.124	-270890	-1842815	-2322809	SLV 5	0.4	925	1.113	Si
65	257	32245	36995	SLV 9	0.41	978	1.139	-251156	-1544579	-2322809	SLV 5	0.48	1507	1.36	Si
77	-221	-32245	-36995	SLV 7	0.41	981	1.14	-237069	-1247760	-2322809	SLV 5	0.57	2474	1.666	Si
89	-698	-32245	-36995	SLV 7	0.41	950	1.126	-228630	-952593	-2322809	SLV 5	0.57	2474	1.666	Si
101	-1175	-32245	-36995	SLV 7	0.4	919	1.11	-294166	-890493	-2322809	SLV 7	0.57	2474	1.666	Si
112	-1652	-32245	-36995	SLV 7	0.4	890	1.096	-324771	-1191847	-2322809	SLV 7	0.57	2474	1.666	Si
124	-2130	-32245	-36995	SLV 7	0.39	861	1.081	-361023	-1493499	-2322809	SLV 7	0.47	1426	1.329	Si
136	-2607	-32245	-36995	SLV 7	0.39	832	1.066	-366684	-1536346	-2322809	SLV 7	0.46	1313	1.285	Si
142	-2846	-32245	-36995	SLV 7	0.38	818	1.059	-366684	-1536346	-2322809	SLV 7	0.46	1313	1.285	Si
155	-3370	-32245	-36995	SLV 7	0.38	788	1.042	-366684	-1536346	-2322809	SLV 7	0.46	1313	1.285	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1974	11325	36995	SLD 9	0.41	992	2.883	-274206	-834303	-2322809	SLD 5	0.33	565	2.289	Si
35	1450	11325	36995	SLD 9	0.42	1032	2.93	-274206	-834303	-2322809	SLD 5	0.33	565	2.289	Si
47	972	11325	36995	SLD 9	0.43	1071	2.975	-274206	-834303	-2322809	SLD 5	0.33	565	2.289	Si
53	734	11325	36995	SLD 9	0.43	1090	2.996	-270890	-815518	-2322809	SLD 5	0.34	600	2.346	Si
65	257	11325	36995	SLD 9	0.43	1129	3.04	-251156	-683536	-2322809	SLD 5	0.41	943	2.823	Si
77	-221	-11325	-36995	SLD 7	0.43	1132	3.043	-237069	-552182	-2322809	SLD 5	0.5	1692	3.588	Si
89	-698	-11325	-36995	SLD 7	0.43	1093	3	-228630	-421559	-2322809	SLD 5	0.6	2474	4.193	Si
101	-1175	-11325	-36995	SLD 7	0.42	1054	2.955	-294166	-394078	-2322809	SLD 7	0.6	2474	4.193	Si
112	-1652	-11325	-36995	SLD 7	0.42	1017	2.912	-324771	-527439	-2322809	SLD 7	0.5	1705	3.599	Si
124	-2130	-11325	-36995	SLD 7	0.41	980	2.868	-361023	-660932	-2322809	SLD 7	0.4	896	2.765	Si
136	-2607	-11325	-36995	SLD 7	0.41	947	2.828	-366684	-679894	-2322809	SLD 7	0.39	831	2.681	Si
142	-2846	-11325	-36995	SLD 7	0.4	931	2.809	-366684	-679894	-2322809	SLD 7	0.39	831	2.681	Si
155	-3370	-11325	-36995	SLD 7	0.4	897	2.766	-366684	-679894	-2322809	SLD 7	0.39	831	2.681	Si

Campata 3 tra i fili ? - 19, sezione R 45x70, asta 941

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4						-364274	SLU 29	-298663	-2322809	0.092	Si
18	19.01	5.4	19.01	5.4						-269922	SLU 29	-267399	-2322809	0.092	Si
23	19.01	5.4	19.01	5.4						-247733	SLU 29	-247733	-2322809	0.092	Si
35	19.01	5.4	19.01	5.4						-196404	SLU 20	-247733	-2322809	0.092	Si
53	19.01	5.4	19.01	5.4						-146198	SLU 20	-241737	-2322809	0.092	Si
62	19.01	5.4	19.01	5.4						-127538	SLU 20	-205806	-2322809	0.092	Si
79	19.01	5.4	19.01	5.4						-112986	SLU 19	-153039	-2322809	0.092	Si
97	19.01	5.4	19.01	5.4						-125846	SLU 19	-175833	-2322809	0.092	Si
115	19.01	5.4	19.01	5.4						-151727	SLU 19	-227490	-2322809	0.092	Si
132	19.01	5.4	19.01	5.4						-191546	SLU 24	-293256	-2322809	0.092	Si
150	19.01	5.4	19.01	5.4						-248749	SLU 26	-372044	-2322809	0.092	Si
167	19.01	5.4	19.01	5.4						-319086	SLU 26	-463853	-2322809	0.092	Si
185	23.79	5.4	19.01	5.4						-402445	SLU 26	-570997	-2888927	0.098	Si
203	26.28	5.4	19.01	5.4						-498825	SLU 26	-697940	-3183805	0.102	Si
212	27.53	5.4	19.01	5.4						-552949	SLU 35	-698946	-3331283	0.104	Si
232	30.41	5.4	19.01	5.4						-698946	SLU 35	-698946	-3671897	0.108	Si
247	30.41	5.4	19.01	5.4						-817065	SLU 35	-786343	-3671897	0.108	Si
264	30.41	5.4	19.01	5.4						-970985	SLU 35	-822777	-3671897	0.108	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	2527577	SLV 11	2231448	2322809	0.092	-2983452	SLV 5	-2608509	-2322809	0.092	No
18	19.01	5.4	19.01	5.4	2056759	SLV 11	2042808	2322809	0.092	-2400453	SLV 5	-2383546	-2322809	0.092	No
23	19.01	5.4	19.01	5.4	1924154	SLV 11	1924154	2322809	0.092	-2242046	SLV 5	-2242046	-2322809	0.092	Si
35	19.01	5.4	19.01	5.4	1573889	SLV 11	1924154	2322809	0.092	-1830471	SLV 5	-2242046	-2322809	0.092	Si
53	19.01	5.4	19.01	5.4	1079370	SLV 11	1888319	2322809	0.092	-1273909	SLV 5	-2199238	-2322809	0.092	Si
62	19.01	5.4	19.01	5.4	827982	SLV 11	1646283	2322809	0.092	-1000899	SLV 5	-1914911	-2322809	0.092	Si
79	19.01	5.4	19.01	5.4	317832	SLV 11	1153479	2322809	0.092	-466309	SLV 5	-1356328	-2322809	0.092	Si
97	19.01	5.4	19.01	5.4	99438	SLV 9	931099	2322809	0.092	-248542	SLV 7	-1136647	-2322809	0.092	Si
115	19.01	5.4	19.01	5.4	606813	SLV 9	1422542	2322809	0.092	-781613	SLV 7	-1695125	-2322809	0.092	Si
132	19.01	5.4	19.01	5.4	1105117	SLV 9	1902618	2322809	0.092	-1330683	SLV 7	-2267304	-2322809	0.092	Si
150	19.01	5.4	19.01	5.4	1592684	SLV 9	2370774	2322809	0.092	-1894083	SLV 7	-2852632	-2322809	0.092	No
167	19.01	5.4	19.01	5.4	2068629	SLV 9	2826746	2322809	0.092	-2470931	SLV 7	-3450845	-2322809	0.092	No
185	23.79	5.4	19.01	5.4	2532535	SLV 9	3270398	2322497	0.091	-3060807	SLV 7	-4061806	-2888927	0.098	No
203	26.28	5.4	19.01	5.4	2984196	SLV 9	3701655	2322387	0.09	-3663509	SLV 7	-4685441	-3183805	0.102	No
212	27.53	5.4	19.01	5.4	3205400	SLV 9	3704800	2322332	0.09	-3969633	SLV 7	-4690125	-3331283	0.104	No
232	30.41	5.4	19.01	5.4	3704800	SLV 9	3704800	2322222	0.089	-4690125	SLV 7	-4690125	-3671897	0.108	No
247	30.41	5.4	19.01	5.4	4059183	SLV 9	3967156	2322222	0.089	-5225770	SLV 7	-5085913	-3671897	0.108	No
264	30.41	5.4	19.01	5.4	4467394	SLV 9	4076528	2322222	0.089	-5872761	SLV 7	-5250910	-3671897	0.108	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	991486	SLD 11	882405	2322809	0.092	-1447362	SLD 5	-1259467	-2322809	0.092	Si
18	19.01	5.4	19.01	5.4	814399	SLD 11	809049	2322809	0.092	-1158093	SLD 5	-1149788	-2322809	0.092	Si
23	19.01	5.4	19.01	5.4	762908	SLD 11	762908	2322809	0.092	-1080800	SLD 5	-1080800	-2322809	0.092	Si
35	19.01	5.4	19.01	5.4	624991	SLD 11	762908	2322809	0.092	-881573	SLD 5	-1080800	-2322809	0.092	Si
53	19.01	5.4	19.01	5.4	423440	SLD 11	748994	2322809	0.092	-617978	SLD 5	-1059912	-2322809	0.092	Si
62	19.01	5.4	19.01	5.4	318218	SLD 11	653670	2322809	0.092	-491135	SLD 5	-922299	-2322809	0.092	Si
79	19.01	5.4	19.01	5.4	99269	SLD 11	453920	2322809	0.092	-247745	SLD 5	-656769	-2322809	0.092	Si
97	19.01	5.4	19.01	5.4	2445	SLD 9	354756	2322809	0.092	-151549	SLD 7	-560303	-2322809	0.092	Si
115	19.01	5.4	19.01	5.4	219816	SLD 9	553554	2322809	0.092	-394617	SLD 7	-826137	-2322809	0.092	Si
132	19.01	5.4	19.01	5.4	426186	SLD 9	740335	2322809	0.092	-651752	SLD 7	-1105021	-2322809	0.092	Si
150	19.01	5.4	19.01	5.4	620816	SLD 9	914853	2322809	0.092	-922216	SLD 7	-1396711	-2322809	0.092	Si
167	19.01	5.4	19.01	5.4	803316	SLD 9	1076992	2322809	0.092	-1205618	SLD 7	-1701091	-2322809	0.092	Si
176	19.01	5.4	19.01	5.4	889955	SLD 9	1153399	2322809	0.092	-1352109	SLD 7	-1858019	-2322809	0.092	Si
185	23.79	5.4	19.01	5.4	973501	SLD 9	1226691	2322497	0.091	-1501774	SLD 7	-2018099	-2888927	0.098	Si
203	26.28	5.4	19.01	5.4	1131280	SLD 9	1363918	2322387	0.09	-1810592	SLD 7	-2347704	-3183805	0.102	Si
212	27.53	5.4	19.01	5.4	1205501	SLD 9	1364880	2322332	0.09	-1969734	SLD 7	-2350205	-3331283	0.104	Si
232	30.41	5.4	19.01	5.4	1364880	SLD 9	1364880	2322222	0.089	-2350205	SLD 7	-2350205	-3671897	0.108	Si
247	30.41	5.4	19.01	5.4	1471186	SLD 9	1443792	2322222	0.089	-2637773	SLD 7	-2562549	-3671897	0.108	Si
264	30.41	5.4	19.01	5.4	1585281	SLD 9	1476689	2322222	0.089	-2990647	SLD 7	-2651071	-3671897	0.108	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	5884	SLU 29	5884	12949	76908	0	12949	1	Si
18	0	19.01	0	4821	SLU 29	4821	12949	76908	0	12949	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
23	0.384	19.01	0	4527	SLU 29	4527	12949	76908	44581	44581	1	Si
35	0.384	19.01	0	3758	SLU 29	3758	12949	76908	44581	44581	1	Si
53	0.384	19.01	0	2695	SLU 29	2695	12949	76908	44581	44581	1	Si
62	0.384	19.01	0	2164	SLU 29	2164	12949	76908	44581	44581	1	Si
79	0.384	19.01	0	1238	SLU 11	1238	12949	76908	44581	44581	1	Si
79	0.384	19.01	0	-666	SLU 26	-666	-12949	-76908	-44581	-44581	1	Si
97	0.384	19.01	0	322	SLU 11	322	12949	76908	44581	44581	1	Si
97	0.384	19.01	0	-1405	SLU 26	-1405	-12949	-76908	-44581	-44581	1	Si
115	0.384	19.01	0	-2143	SLU 26	-2143	-12949	-76908	-44581	-44581	1	Si
132	0.384	19.01	0	-2944	SLU 35	-2944	-12949	-76908	-44581	-44581	1	Si
150	0.384	19.01	0	-3771	SLU 35	-3771	-12949	-76908	-44581	-44581	1	Si
167	0.384	19.01	0	-4597	SLU 35	-4597	-12949	-76908	-44581	-44581	1	Si
185	0.384	19.01	0	-5534	SLU 36	-5534	-12949	-76908	-44581	-44581	1	Si
203	0.384	19.01	0	-6526	SLU 36	-6526	-12949	-76908	-44581	-44581	1	Si
212	0.384	19.01	0	-7022	SLU 36	-7022	-12949	-76908	-44581	-44581	1	Si
232	0.384	19.01	0	-8169	SLU 36	-8169	-12949	-76908	-44581	-44581	1	Si
247	0	23.79	0	-9007	SLU 30	-9007	-13955	-76908	0	-13955	1	Si
264	0	26.28	0	-10070	SLU 30	-10070	-14426	-76908	0	-14426	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	33482	SLV 5	41268	12949	76908	0	12949	1	Si
0	0	19.01	0	-26407	SLV 11	-34193	-12949	-76908	0	-12949	1	Si
18	0	19.01	0	32771	SLV 5	40557	12949	76908	0	12949	1	Si
18	0	19.01	0	-27119	SLV 11	-34904	-12949	-76908	0	-12949	1	Si
23	0.384	19.01	0	32575	SLV 5	40360	12949	76908	44581	44581	1	Si
23	0.384	19.01	0	-27315	SLV 11	-35101	-12949	-76908	-44581	-44581	1	Si
35	0.384	19.01	0	32060	SLV 5	39846	12949	76908	44581	44581	1	Si
35	0.384	19.01	0	-27830	SLV 11	-35615	-12949	-76908	-44581	-44581	1	Si
53	0.384	19.01	0	31349	SLV 5	39135	12949	76908	44581	44581	1	Si
53	0.384	19.01	0	-28541	SLV 11	-36326	-12949	-76908	-44581	-44581	1	Si
62	0.384	19.01	0	30993	SLV 5	38779	12949	76908	44581	44581	1	Si
62	0.384	19.01	0	-28896	SLV 11	-36682	-12949	-76908	-44581	-44581	1	Si
79	0.384	19.01	0	30282	SLV 5	38068	12949	76908	44581	44581	1	Si
79	0.384	19.01	0	-29607	SLV 11	-37393	-12949	-76908	-44581	-44581	1	Si
97	0.384	19.01	0	29571	SLV 5	37357	12949	76908	44581	44581	1	Si
97	0.384	19.01	0	-30318	SLV 11	-38104	-12949	-76908	-44581	-44581	1	Si
115	0.384	19.01	0	28860	SLV 5	36646	12949	76908	44581	44581	1	Si
115	0.384	19.01	0	-31029	SLV 11	-38815	-12949	-76908	-44581	-44581	1	Si
132	0.384	19.01	0	28149	SLV 5	35935	12949	76908	44581	44581	1	Si
132	0.384	19.01	0	-31740	SLV 11	-39526	-12949	-76908	-44581	-44581	1	Si
150	0.384	19.01	0	27438	SLV 5	35224	12949	76908	44581	44581	1	Si
150	0.384	19.01	0	-32451	SLV 11	-40237	-12949	-76908	-44581	-44581	1	Si
167	0.384	19.01	0	26727	SLV 5	34513	12949	76908	44581	44581	1	Si
167	0.384	19.01	0	-33162	SLV 11	-40948	-12949	-76908	-44581	-44581	1	Si
185	0.384	19.01	0	26016	SLV 5	33802	12949	76908	44581	44581	1	Si
185	0.384	19.01	0	-33873	SLV 11	-41659	-12949	-76908	-44581	-44581	1	Si
203	0.384	19.01	0	25305	SLV 5	33091	12949	76908	44581	44581	1	Si
203	0.384	19.01	0	-34584	SLV 11	-42370	-12949	-76908	-44581	-44581	1	Si
212	0.384	19.01	0	24950	SLV 5	32735	12949	76908	44581	44581	1	Si
212	0.384	19.01	0	-34940	SLV 11	-42725	-12949	-76908	-44581	-44581	1	Si
232	0.384	19.01	0	24128	SLV 5	31913	12949	76908	44581	44581	1	Si
232	0.384	19.01	0	-35762	SLV 11	-43548	-12949	-76908	-44581	-44581	1	Si
238	0	19.01	0	23883	SLV 5	31669	12949	76908	0	12949	1	Si
238	0	19.01	0	-36006	SLV 11	-43792	-12949	-76908	0	-12949	1	Si
247	0	19.01	0	23528	SLV 5	31313	12949	76908	0	12949	1	Si
247	0	23.79	0	-36362	SLV 11	-44147	-13955	-76908	0	-13955	1	Si
264	0	19.01	0	22817	SLV 5	30602	12949	76908	0	12949	1	Si
264	0	26.28	0	-37073	SLV 11	-44858	-14426	-76908	0	-14426	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	16789	SLD 5	16789	12949	76908	0	12949	1	Si
0	0	19.01	0	-9714	SLD 11	-9714	-12949	-76908	0	-12949	1	Si
18	0	19.01	0	16078	SLD 5	16078	12949	76908	0	12949	1	Si
18	0	19.01	0	-10425	SLD 11	-10425	-12949	-76908	0	-12949	1	Si
23	0.384	19.01	0	15882	SLD 5	15882	12949	76908	44581	44581	1	Si
23	0.384	19.01	0	-10622	SLD 11	-10622	-12949	-76908	-44581	-44581	1	Si
35	0.384	19.01	0	15367	SLD 5	15367	12949	76908	44581	44581	1	Si
35	0.384	19.01	0	-11137	SLD 11	-11137	-12949	-76908	-44581	-44581	1	Si
53	0.384	19.01	0	14656	SLD 5	14656	12949	76908	44581	44581	1	Si
53	0.384	19.01	0	-11848	SLD 11	-11848	-12949	-76908	-44581	-44581	1	Si
62	0.384	19.01	0	14300	SLD 5	14300	12949	76908	44581	44581	1	Si
62	0.384	19.01	0	-12203	SLD 11	-12203	-12949	-76908	-44581	-44581	1	Si
79	0.384	19.01	0	13589	SLD 5	13589	12949	76908	44581	44581	1	Si
79	0.384	19.01	0	-12914	SLD 11	-12914	-12949	-76908	-44581	-44581	1	Si
97	0.384	19.01	0	12878	SLD 5	12878	12949	76908	44581	44581	1	Si
97	0.384	19.01	0	-13625	SLD 11	-13625	-12949	-76908	-44581	-44581	1	Si
115	0.384	19.01	0	12167	SLD 5	12167	12949	76908	44581	44581	1	Si
115	0.384	19.01	0	-14336	SLD 11	-14336	-12949	-76908	-44581	-44581	1	Si
132	0.384	19.01	0	11456	SLD 5	11456	12949	76908	44581	44581	1	Si
132	0.384	19.01	0	-15047	SLD 11	-15047	-12949	-76908	-44581	-44581	1	Si
150	0.384	19.01	0	10745	SLD 5	10745	12949	76908	44581	44581	1	Si
150	0.384	19.01	0	-15758	SLD 11	-15758	-12949	-76908	-44581	-44581	1	Si
167	0.384	19.01	0	10034	SLD 5	10034	12949	76908	44581	44581	1	Si
167	0.384	19.01	0	-16469	SLD 11	-16469	-12949	-76908	-44581	-44581	1	Si
185	0.384	19.01	0	9323	SLD 5	9323	12949	76908	44581	44581	1	Si
185	0.384	19.01	0	-17180	SLD 11	-17180	-12949	-76908	-44581	-44581	1	Si
203	0.384	19.01	0	8612	SLD 5	8612	12949	76908	44581	44581	1	Si
203	0.384	19.01	0	-17891	SLD 11	-17891	-12949	-76908	-44581	-44581	1	Si
212	0.384	19.01	0	8257	SLD 5	8257	12949	76908	44581	44581	1	Si
212	0.384	19.01	0	-18247	SLD 11	-18247	-12949	-76908	-44581	-44581	1	Si
232	0.384	19.01	0	7435	SLD 5	7435	12949	76908	44581	44581	1	Si
232	0.384	19.01	0	-19069	SLD 11	-19069	-12949	-76908	-44581	-44581	1	Si
238	0	19.01	0	7190	SLD 5	7190	12949	76908	0	12949	1	Si
238	0	19.01	0	-19313	SLD 11	-19313	-12949	-76908	0	-12949	1	Si
247	0	19.01	0	6835	SLD 5	6835	12949	76908	0	12949	1	Si
247	0	23.79	0	-19669	SLD 11	-19669	-13955	-76908	0	-13955	1	Si
264	0	19.01	0	6124	SLD 5	6124	12949	76908	0	12949	1	Si
264	0	26.28	0	-20380	SLD 11	-20380	-14426	-76908	0	-14426	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-263165	2	-216830	5.7	124.5	195.3	1837	-227938	2	-188531	5	93.4	0	+∞	Si
18	-196719	2	-194949	5.1	124.5	175.6	1837	-171847	2	-170369	4.5	93.4	0	+∞	Si
23	-181186	2	-181186	4.8	124.5	163.2	1837	-158946	2	-158946	4.2	93.4	0	+∞	Si
35	-143917	2	-181186	4.8	124.5	163.2	1837	-128291	2	-158946	4.2	93.4	0	+∞	Si
53	-104759	2	-176989	4.7	124.5	159.4	1837	-97269	2	-155459	4.1	93.4	0	+∞	Si
62	-90296	2	-151277	4	124.5	136.3	1837	-86459	2	-134314	3.5	93.4	0	+∞	Si
79	-78191	1	-110085	2.9	124.5	99.2	1837	-78191	1	-101425	2.7	93.4	0	+∞	Si
97	-86549	1	-124358	3.3	124.5	112	1837	-86549	1	-124358	3.3	93.4	0	+∞	Si
115	-105777	1	-164379	4.3	124.5	148.1	1837	-105777	1	-161511	4.3	93.4	0	+∞	Si
132	-136487	6	-215996	5.7	124.5	194.6	1837	-135876	1	-209534	5.5	93.4	0	+∞	Si
150	-180974	8	-278483	7.3	124.5	250.9	1837	-176844	1	-268428	7.1	93.4	0	+∞	Si
167	-236407	8	-351841	9.3	124.5	316.9	1837	-228683	1	-338191	8.9	93.4	0	+∞	Si
185	-302709	8	-436068	10.7	124.5	316.5	1837	-291392	1	-418825	10.3	93.4	0	+∞	Si
203	-379881	8	-531165	12.7	124.5	350.4	1837	-364971	1	-510329	12.2	93.4	0	+∞	Si
212	-422544	8	-531919	12.5	124.5	335.6	1837	-405837	1	-511056	12	93.4	0	+∞	Si
232	-531919	8	-531919	12.1	124.5	305.2	1837	-511056	1	-511056	11.7	93.4	0	+∞	Si
247	-620369	8	-597375	13.6	124.5	342.7	1837	-596475	1	-574175	13.1	93.4	0	+∞	Si
264	-735587	8	-624663	14.3	124.5	358.4	1837	-708099	1	-600488	13.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
35	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
53	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
62	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
79	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.006	2	-0.006	2	9999	Si
97	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.007	2	9999	Si
115	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.008	2	9999	Si
132	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.008	2	-0.008	2	9999	Si
150	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.008	2	-0.009	2	9999	Si
167	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.008	2	-0.009	2	9999	Si
185	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.008	2	-0.008	2	9999	Si
203	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.007	2	-0.008	2	9999	Si
212	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
232	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	2	-0.005	2	9999	Si
247	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.003	2	-0.003	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	2630	37730	44581	SLV 5	0.4	922	1.112	-158946	-2083100	-2322809	SLV 5	0.38	781	1.039	Si
35	2115	37730	44581	SLV 5	0.41	949	1.125	-158946	-2083100	-2322809	SLV 5	0.38	781	1.039	Si
53	1404	37730	44581	SLV 5	0.41	990	1.145	-155459	-2043778	-2322809	SLV 5	0.38	821	1.06	Si
62	1049	37730	44581	SLV 5	0.42	1012	1.155	-134314	-1780597	-2322809	SLV 5	0.44	1196	1.237	Si
79	338	37730	44581	SLV 5	0.42	1056	1.175	-101425	-1254904	-2322809	SLV 5	0.57	2474	1.666	Si
97	-373	-37730	-44581	SLV 11	0.42	1054	1.174	-102774	-1033873	-2322809	SLV 7	0.57	2474	1.666	Si
115	-1084	-37730	-44581	SLV 11	0.42	1009	1.154	-136291	-1558834	-2322809	SLV 7	0.5	1699	1.428	Si
132	-1795	-37730	-44581	SLV 11	0.41	967	1.134	-182343	-2084961	-2322809	SLV 7	0.37	758	1.026	Si
150	-2506	-37730	-44581	SLV 11	0.4	928	1.115	-240929	-2611703	-2322809	SLV 7	0.29	417	0.803	No
167	-3217	-37730	-44581	SLV 11	0.4	890	1.096	-312049	-3138796	-2322809	SLV 7	0.24	259	0.661	No
185	-3928	-37730	-44581	SLV 11	0.39	853	1.077	-395704	-3666102	-2888927	SLV 7	0.25	295	0.697	No
203	-4639	-37730	-44581	SLV 11	0.38	817	1.058	-491893	-4193548	-3183805	SLV 7	0.24	260	0.662	No
212	-4995	-37730	-44581	SLV 11	0.38	800	1.049	-492663	4197462	2322332	SLV 9	0.25	286	0.688	No
232	-5817	-37730	-44581	SLV 11	0.37	760	1.027	-492663	4197462	2322222	SLV 9	0.25	286	0.688	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	2630	13252	44581	SLD 5	0.42	1058	2.96	-158946	-921854	-2322809	SLD 5	0.32	508	2.191	Si
35	2115	13252	44581	SLD 5	0.43	1092	2.998	-158946	-921854	-2322809	SLD 5	0.32	508	2.191	Si
53	1404	13252	44581	SLD 5	0.44	1143	3.055	-155459	-904453	-2322809	SLD 5	0.32	534	2.236	Si
62	1049	13252	44581	SLD 5	0.44	1168	3.082	-134314	-787985	-2322809	SLD 5	0.37	762	2.587	Si
79	338	13252	44581	SLD 5	0.45	1219	3.137	-101425	-555344	-2322809	SLD 5	0.53	1972	3.821	Si
97	-373	-13252	-44581	SLD 11	0.45	1217	3.135	-102774	-457530	-2322809	SLD 7	0.6	2474	4.193	Si
115	-1084	-13252	-44581	SLD 11	0.44	1165	3.079	-136291	-689846	-2322809	SLD 7	0.42	1060	2.962	Si
132	-1795	-13252	-44581	SLD 11	0.43	1115	3.024	-182343	-922678	-2322809	SLD 7	0.31	494	2.166	Si
150	-2506	-13252	-44581	SLD 11	0.43	1065	2.968	-240929	-1155782	-2322809	SLD 7	0.25	283	1.724	Si
167	-3217	-13252	-44581	SLD 11	0.42	1017	2.912	-312049	-1389041	-2322809	SLD 7	0.2	176	1.419	Si
185	-3928	-13252	-44581	SLD 11	0.41	971	2.857	-395704	-1622395	-2888927	SLD 7	0.21	200	1.495	Si
203	-4639	-13252	-44581	SLD 11	0.4	930	2.807	-491893	-1855811	-3183805	SLD 7	0.2	177	1.422	Si
212	-4995	-13252	-44581	SLD 11	0.4	910	2.782	-492663	1857543	2322332	SLD 9	0.21	194	1.476	Si
232	-5817	-13252	-44581	SLD 11	0.39	865	2.725	-492663	1857543	2322222	SLD 9	0.21	194	1.476	Si

Campata 4 tra i fili 19 - 8, sezione R 45x70, asta 942

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	19.01	5.4						-1563066	SLU 30	-1325274	-3671897	0.108	Si
21	30.41	5.4	19.01	5.4						-1265898	SLU 22	-1240377	-3671897	0.108	Si
33	30.41	5.4	19.01	5.4						-1128937	SLU 22	-1128937	-3671897	0.108	Si
43	28.96	5.4	19.01	5.4						-1007289	SLU 22	-1128937	-3500809	0.106	Si
64	25.94	5.4	19.01	5.4						-767817	SLU 22	-1098727	-3143524	0.101	Si
85	19.01	5.4	19.01	5.4						-547482	SLU 22	-852361	-2322809	0.092	Si
96	19.01	5.4	19.01	5.4						-444491	SLU 22	-736354	-2322809	0.092	Si
118	19.01	5.4	19.01	5.4	-77202	SLU 11	90865	2322809	0.092	-254023	SLU 26	-518694	-2322809	0.092	Si
139	18.36	5.4	19.01	5.4	51067	SLU 11	210195	2322851	0.092	-82822	SLU 26	-320867	-2246336	0.091	Si
160	26.23	6.9	19.01	5.4	166863	SLU 29	313678	2402661	0.109	57993	SLU 8	-142772	-3098637	0.104	Si
182	25.32	7.6	19.01	5.4	280265	SLU 29	389627	2395276	0.123						Si
203	26.61	7.7	23.94	6.2	366133	SLU 29	447823	2906184	0.134						Si
224	26.61	7.7	28.25	6.7	428040	SLU 20	517526	3352449	0.143						Si
246	26.61	7.7	37.01	7.3	495043	SLU 19	568300	4256428	0.162						Si
256	26.61	7.7	39.17	7.5	526254	SLU 22	586510	4478604	0.167						Si
278	26.61	7.7	41.81	7.6	574353	SLU 22	590527	4750259	0.174						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
288	26.61	7.7	41.81	7.6	590527	SLU 22	590527	4750259	0.174						Si
299	26.61	7.7	41.81	7.6	603315	SLU 22	603198	4750259	0.174						Si
321	26.61	7.7	41.81	7.6	613140	SLU 22	612850	4750259	0.174						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	19.01	5.4	2853567	SLV 11	2608327	2322222	0.089	-5240835	SLV 5	-4628935	-3671897	0.108	No
21	30.41	5.4	19.01	5.4	2544803	SLV 11	2508217	2322222	0.089	-4468038	SLV 5	-4388621	-3671897	0.108	No
33	30.41	5.4	19.01	5.4	2376808	SLV 11	2376808	2322222	0.089	-4073174	SLV 5	-4073174	-3671897	0.108	No
43	28.96	5.4	19.01	5.4	2218089	SLV 11	2376808	2322288	0.089	-3714133	SLV 5	-4073174	-3500809	0.106	No
64	25.94	5.4	19.01	5.4	1873701	SLV 11	2337392	2322416	0.09	-2979396	SLV 5	-3984010	-3143524	0.101	No
85	19.01	5.4	19.01	5.4	1512121	SLV 11	1999338	2322809	0.092	-2264310	SLV 5	-3242336	-2322809	0.092	No
96	19.01	5.4	19.01	5.4	1325125	SLV 11	1823756	2322809	0.092	-1914376	SLV 5	-2878759	-2322809	0.092	No
118	19.01	5.4	19.01	5.4	939423	SLV 11	1459853	2322809	0.092	-1230430	SLV 5	-2166498	-2322809	0.092	Si
139	18.36	5.4	19.01	5.4	539204	SLV 11	1079736	2322851	0.092	-568810	SLV 5	-1474865	-2246336	0.091	Si
160	26.23	6.9	19.01	5.4	233362	SLV 13	1000368	2402661	0.109	-38408	SLV 3	-805082	-3098637	0.104	Si
182	25.32	7.6	19.01	5.4	778005	SLV 9	1607572	2395276	0.123	-395333	SLV 7	-1029626	-2958600	0.104	Si
203	26.61	7.7	23.94	6.2	1391193	SLV 9	2197606	2906184	0.134	-857645	SLV 7	-1518899	-3140310	0.114	Si
224	26.61	7.7	28.25	6.7	1987513	SLV 9	2769941	3352449	0.143	-1339931	SLV 7	-2027315	-3166808	0.121	Si
246	26.61	7.7	37.01	7.3	2566272	SLV 9	3324307	4256428	0.162	-1841499	SLV 7	-2554603	-3175429	0.131	Si
256	26.61	7.7	39.17	7.5	2848956	SLV 9	3594701	4478604	0.167	-2099403	SLV 7	-2825273	-3176600	0.133	Si
278	26.61	7.7	41.81	7.6	3400800	SLV 9	3658763	4750259	0.174	-2629318	SLV 7	-2890015	-3177719	0.134	Si
288	26.61	7.7	41.81	7.6	3658763	SLV 9	3658763	4750259	0.174	-2890015	SLV 7	-2890015	-3177719	0.134	Si
299	26.61	7.7	41.81	7.6	3934503	SLV 9	3889659	4750259	0.174	-3177935	SLV 7	-3127017	-3177719	0.134	Si
321	26.61	7.7	41.81	7.6	4449980	SLV 9	4065561	4750259	0.174	-3745166	SLV 7	-3307571	-3177719	0.134	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	19.01	5.4	597409	SLD 11	591080	2322222	0.089	-2984676	SLD 5	-2611688	-3671897	0.108	Si
21	30.41	5.4	19.01	5.4	590109	SLD 11	585857	2322222	0.089	-2513344	SLD 5	-2466260	-3671897	0.108	Si
33	30.41	5.4	19.01	5.4	579000	SLD 11	579000	2322222	0.089	-2275366	SLD 5	-2275366	-3671897	0.108	Si
43	28.96	5.4	19.01	5.4	564597	SLD 11	579000	2322288	0.089	-2060641	SLD 5	-2275366	-3500809	0.106	Si
64	25.94	5.4	19.01	5.4	520994	SLD 11	575423	2322416	0.09	-1626689	SLD 5	-2222041	-3143524	0.101	Si
85	19.01	5.4	19.01	5.4	459514	SLD 11	538323	2322809	0.092	-1211702	SLD 5	-1781320	-2322809	0.092	Si
96	19.01	5.4	19.01	5.4	422176	SLD 11	513021	2322809	0.092	-1011427	SLD 5	-1568023	-2322809	0.092	Si
118	19.01	5.4	19.01	5.4	334618	SLD 11	449077	2322809	0.092	-625625	SLD 5	-1155722	-2322809	0.092	Si
139	18.36	5.4	19.01	5.4	230366	SLD 11	367690	2322851	0.092	-259972	SLD 5	-762819	-2246336	0.091	Si
160	26.23	6.9	19.01	5.4	157606	SLD 13	565436	2402661	0.109	37348	SLD 3	-389854	-3098637	0.104	Si
182	25.32	7.6	19.01	5.4	450958	SLD 9	872502	2395276	0.123	-68286	SLD 7	-294556	-2958600	0.104	Si
203	26.61	7.7	23.94	6.2	764371	SLD 9	1161700	2906184	0.134	-230823	SLD 7	-482993	-3140310	0.114	Si
224	26.61	7.7	28.25	6.7	1060050	SLD 9	1432797	3352449	0.143	-412469	SLD 7	-690170	-3166808	0.121	Si
246	26.61	7.7	37.01	7.3	1337689	SLD 9	1685672	4256428	0.162	-612916	SLD 7	-915968	-3175429	0.131	Si
256	26.61	7.7	39.17	7.5	1469695	SLD 9	1805255	4478604	0.167	-720141	SLD 7	-1035827	-3176600	0.133	Si
278	26.61	7.7	41.81	7.6	1720019	SLD 9	1833416	4750259	0.174	-948537	SLD 7	-1064667	-3177719	0.134	Si
288	26.61	7.7	41.81	7.6	1833416	SLD 9	1833416	4750259	0.174	-1064667	SLD 7	-1064667	-3177719	0.134	Si
299	26.61	7.7	41.81	7.6	1952046	SLD 9	1933894	4750259	0.174	-1195478	SLD 7	-1171252	-3177719	0.134	Si
321	26.61	7.7	41.81	7.6	2165739	SLD 9	2010441	4750259	0.174	-1460925	SLD 7	-1252450	-3177719	0.134	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	25.94	0	15621	SLU 30	15621	14364	76908	0	14364	1	Si
21	0	19.01	0	14332	SLU 30	14332	12949	76908	0	12949	1	Si
33	0.373	19.01	0	13661	SLU 30	13661	12949	76908	43349	43349	1	Si
43	0.373	19.01	0	13044	SLU 30	13044	12949	76908	43349	43349	1	Si
64	0.373	19.01	0	11755	SLU 30	11755	12949	76908	43349	43349	1	Si
85	0.373	25.22	0	10467	SLU 30	10467	14230	76908	43349	43349	1	Si
96	0.373	26.23	0	9823	SLU 30	9823	14417	76908	43349	43349	1	Si
118	0.348	25.32	0	8564	SLU 21	8564	14248	76908	40395	40395	1	Si
139	0.348	24.43	0	7623	SLU 22	7623	14079	76908	40395	40395	1	Si
160	0.348	19.01	0	6728	SLU 22	6728	12949	76908	40395	40395	1	Si
182	0.348	19.01	0	5833	SLU 22	5833	12949	76908	40395	40395	1	Si
203	0.348	19.01	0	4937	SLU 22	4937	12868	75928	39880	39880	1	Si
224	0.302	19.01	0	4042	SLU 22	4042	12821	75350	34303	34303	1	Si
246	0.302	19.01	0	3146	SLU 22	3146	12758	74592	33958	33958	1	Si
246	0.302	19.01	0	-103	SLU 11	-103	-12758	-74592	-33958	-33958	1	Si
256	0.302	19.01	0	2698	SLU 22	2698	12747	74457	33897	33897	1	Si
256	0.302	19.01	0	-658	SLU 11	-658	-12747	-74457	-33897	-33897	1	Si
278	0.302	26.09	0	1803	SLU 22	1803	14153	74311	33830	33830	1	Si
278	0.302	26.09	0	-1767	SLU 11	-1767	-14153	-74311	-33830	-33830	1	Si
288	0.302	28.25	0	1374	SLU 22	1374	14533	74311	33830	33830	1	Si
288	0.302	28.25	0	-2299	SLU 11	-2299	-14533	-74311	-33830	-33830	1	Si
299	0	30.41	0	907	SLU 22	907	14894	74311	0	14894	1	Si
299	0	30.41	0	-2877	SLU 11	-2877	-14894	-74311	0	-14894	1	Si
321	0	39.17	0	12	SLU 22	12	16206	74311	0	16206	1	Si
321	0	39.17	0	-3987	SLU 11	-3987	-16206	-74311	0	-16206	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	25.94	0	36652	SLV 9	43247	14364	76908	0	14364	1	Si
0	0	19.01	0	-14077	SLV 7	-20672	-12949	-76908	0	-12949	1	Si
21	0	19.01	0	35790	SLV 9	42385	12949	76908	0	12949	1	Si
21	0	19.01	0	-14939	SLV 7	-21534	-12949	-76908	0	-12949	1	Si
33	0.373	19.01	0	35341	SLV 9	41936	12949	76908	43349	43349	1	Si
33	0.373	19.01	0	-15388	SLV 7	-21983	-12949	-76908	-43349	-43349	1	Si
43	0.373	19.01	0	34928	SLV 9	41523	12949	76908	43349	43349	1	Si
43	0.373	19.01	0	-15801	SLV 7	-22396	-12949	-76908	-43349	-43349	1	Si
64	0.373	19.01	0	34066	SLV 9	40661	12949	76908	43349	43349	1	Si
64	0.373	19.01	0	-16663	SLV 7	-23258	-12949	-76908	-43349	-43349	1	Si
85	0.373	25.22	0	33204	SLV 9	39799	14230	76908	43349	43349	1	Si
85	0.373	19.01	0	-17525	SLV 7	-24120	-12949	-76908	-43349	-43349	1	Si
96	0.373	26.23	0	32773	SLV 9	39368	14417	76908	43349	43349	1	Si
96	0.373	19.01	0	-17956	SLV 7	-24551	-12949	-76908	-43349	-43349	1	Si
118	0.348	25.32	0	31911	SLV 9	38506	14248	76908	40395	40395	1	Si
118	0.348	19.01	0	-18818	SLV 7	-25413	-12949	-76908	-40395	-40395	1	Si
139	0.348	24.43	0	31049	SLV 9	37644	14079	76908	40395	40395	1	Si
139	0.348	19.01	0	-19680	SLV 7	-26275	-12949	-76908	-40395	-40395	1	Si
160	0.348	19.01	0	30188	SLV 9	36782	12949	76908	40395	40395	1	Si
160	0.348	19.01	0	-20542	SLV 7	-27137	-12949	-76908	-40395	-40395	1	Si
182	0.348	19.01	0	29326	SLV 9	35920	12949	76908	40395	40395	1	Si
182	0.348	19.01	0	-21404	SLV 7	-27999	-12733	-74291	-39020	-39020	1	Si
203	0.348	19.01	0	28464	SLV 9	35058	12868	75928	39880	39880	1	Si
203	0.348	18.36	0	-22266	SLV 7	-28861	-12578	-74187	-38966	-38966	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
224	0.302	19.01	0	27602	SLV 9	34196	12821	75350	34303	34303	1	Si
224	0.302	26.23	0	-23128	SLV 7	-29723	-14166	-74187	-33774	-33774	1	Si
246	0.302	19.01	0	26740	SLV 9	33335	12758	74592	33958	33958	1	Si
246	0.302	25.32	0	-23990	SLV 7	-30585	-14000	-74187	-33774	-33774	1	Si
256	0.302	19.01	0	26309	SLV 9	32904	12747	74457	33897	33897	1	Si
256	0.302	26.61	0	-24421	SLV 7	-31016	-14234	-74187	-33774	-33774	1	Si
278	0.302	26.09	0	25447	SLV 9	32042	14153	74311	33830	33830	1	Si
278	0.302	26.61	0	-25283	SLV 7	-31877	-14234	-74187	-33774	-33774	1	Si
288	0.302	28.25	0	25034	SLV 9	31629	14533	74311	33830	33830	1	Si
288	0.302	26.61	0	-25696	SLV 7	-32291	-14234	-74187	-33774	-33774	1	Si
299	0	30.41	0	24585	SLV 9	31180	14894	74311	0	14894	1	Si
299	0	26.61	0	-26145	SLV 7	-32739	-14234	-74187	0	-14234	1	Si
321	0	39.17	0	23723	SLV 9	30318	16206	74311	0	16206	1	Si
321	0	26.61	0	-27007	SLV 7	-33601	-14234	-74187	0	-14234	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	25.94	0	22512	SLD 9	22512	14364	76908	0	14364	1	Si
21	0	19.01	0	21650	SLD 9	21650	12949	76908	0	12949	1	Si
21	0	19.01	0	-799	SLD 7	-799	-12949	-76908	0	-12949	1	Si
33	0.373	19.01	0	21202	SLD 9	21202	12949	76908	43349	43349	1	Si
33	0.373	19.01	0	-1248	SLD 7	-1248	-12949	-76908	-43349	-43349	1	Si
43	0.373	19.01	0	20788	SLD 9	20788	12949	76908	43349	43349	1	Si
43	0.373	19.01	0	-1661	SLD 7	-1661	-12949	-76908	-43349	-43349	1	Si
64	0.373	19.01	0	19926	SLD 9	19926	12949	76908	43349	43349	1	Si
64	0.373	19.01	0	-2523	SLD 7	-2523	-12949	-76908	-43349	-43349	1	Si
85	0.373	25.22	0	19065	SLD 9	19065	14230	76908	43349	43349	1	Si
85	0.373	19.01	0	-3385	SLD 7	-3385	-12949	-76908	-43349	-43349	1	Si
96	0.373	26.23	0	18634	SLD 9	18634	14417	76908	43349	43349	1	Si
96	0.373	19.01	0	-3816	SLD 7	-3816	-12949	-76908	-43349	-43349	1	Si
118	0.348	25.32	0	17772	SLD 9	17772	14248	76908	40395	40395	1	Si
118	0.348	19.01	0	-4678	SLD 7	-4678	-12949	-76908	-40395	-40395	1	Si
139	0.348	24.43	0	16910	SLD 9	16910	14079	76908	40395	40395	1	Si
139	0.348	19.01	0	-5540	SLD 7	-5540	-12949	-76908	-40395	-40395	1	Si
160	0.348	19.01	0	16048	SLD 9	16048	12949	76908	40395	40395	1	Si
160	0.348	19.01	0	-6402	SLD 7	-6402	-12949	-76908	-40395	-40395	1	Si
182	0.348	19.01	0	15186	SLD 9	15186	12949	76908	40395	40395	1	Si
182	0.348	19.01	0	-7264	SLD 7	-7264	-12733	-74291	-39020	-39020	1	Si
203	0.348	19.01	0	14324	SLD 9	14324	12868	75928	39880	39880	1	Si
203	0.348	18.36	0	-8126	SLD 7	-8126	-12578	-74187	-38966	-38966	1	Si
224	0.302	19.01	0	13462	SLD 9	13462	12821	75350	34303	34303	1	Si
224	0.302	26.23	0	-8988	SLD 7	-8988	-14166	-74187	-33774	-33774	1	Si
246	0.302	19.01	0	12600	SLD 9	12600	12758	74592	33958	33958	1	Si
246	0.302	25.32	0	-9850	SLD 7	-9850	-14000	-74187	-33774	-33774	1	Si
256	0.302	19.01	0	12169	SLD 9	12169	12747	74457	33897	33897	1	Si
256	0.302	26.61	0	-10281	SLD 7	-10281	-14234	-74187	-33774	-33774	1	Si
278	0.302	26.09	0	11307	SLD 9	11307	14153	74311	33830	33830	1	Si
278	0.302	26.61	0	-11143	SLD 7	-11143	-14234	-74187	-33774	-33774	1	Si
288	0.302	28.25	0	10894	SLD 9	10894	14533	74311	33830	33830	1	Si
288	0.302	26.61	0	-11556	SLD 7	-11556	-14234	-74187	-33774	-33774	1	Si
299	0	30.41	0	10445	SLD 9	10445	14894	74311	0	14894	1	Si
299	0	26.61	0	-12005	SLD 7	-12005	-14234	-74187	0	-14234	1	Si
321	0	39.17	0	9583	SLD 9	9583	16206	74311	0	16206	1	Si
321	0	26.61	0	-12867	SLD 7	-12867	-14234	-74187	0	-14234	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1199661	3	-1015751	23.2	124.5	582.7	1837	-1193634	2	-1013569	23.1	93.4	0	+∞	Si
21	-969135	4	-948928	21.7	124.5	544.4	1837	-967001	1	-946813	21.6	93.4	0	+∞	Si
33	-861214	4	-861214	19.7	124.5	494.1	1837	-859186	1	-859186	19.6	93.4	0	+∞	Si
43	-765565	4	-861214	19.9	124.5	517.7	1837	-763634	1	-859186	19.9	93.4	0	+∞	Si
64	-577971	4	-837461	20	124.5	559.4	1837	-576241	1	-835456	20	93.4	0	+∞	Si
85	-406351	4	-644111	17	124.5	580.2	1837	-404824	1	-642309	16.9	93.4	0	+∞	Si
96	-326532	4	-553427	14.6	124.5	498.5	1837	-325107	1	-551726	14.5	93.4	0	+∞	Si
118	-179649	8	-384041	10.1	124.5	346	1837	-177652	1	-382542	10.1	93.4	0	+∞	Si
139	6111	2	150497	4	124.5	135.6	1837								Si
139	-48829	8	-231092	6.2	124.5	215.2	1837	-46173	1	-229333	6.1	93.4	0	+∞	Si
160	116241	2	233353	5.9	124.5	211.1	1837	97477	2	220171	5.6	93.4	0	+∞	Si
182	206320	2	296157	7.7	124.5	269.3	1837	191336	2	288973	7.5	93.4	0	+∞	Si
203	276348	2	340019	8.2	124.5	255.4	1837	266774	2	340019	8.2	93.4	0	+∞	Si
224	326324	2	385930	9	124.5	252.2	1837	323791	2	385867	9	93.4	0	+∞	Si
246	371594	1	416005	9.1	124.5	216	1837	371594	1	415740	9.1	93.4	0	+∞	Si
256	391496	4	425052	9.1	124.5	210.2	1837	391405	1	424686	9.1	93.4	0	+∞	Si
278	419338	4	426940	9.1	124.5	199.7	1837	419045	1	426549	9	93.4	0	+∞	Si
288	426940	4	426940	9.1	124.5	199.7	1837	426549	1	426549	9	93.4	0	+∞	Si
299	431206	4	431206	9.1	124.5	201.7	1837	430710	1	430710	9.1	93.4	0	+∞	Si
321	427098	4	427098	9.1	124.5	199.7	1837	426400	1	426400	9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si
33	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
43	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
64	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.007	2	-0.008	2	9999	Si
85	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.007	2	-0.008	2	9999	Si
96	-0.001	-0.003	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.006	2	-0.007	2	9999	Si
118	0	-0.002	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.004	2	-0.005	2	9999	Si
139	0.001	0	0	-0.001	0.001	0	-0.001	-0.001	0	0	-0.002	2	-0.003	2	9999	Si
160	0.002	0.001	0.001	0	0.002	0.001	0	0	0.002	0.001	0	2	-0.001	2	9999	Si
182	0.003	0.002	0.001	0.001	0.003	0.002	0.001	0.001	0.003	0.002	0.002	2	0.001	2	9999	Si
203	0.004	0.003	0.002	0.001	0.004	0.003	0.002	0.001	0.004	0.003	0.004	2	0.003	2	9999	Si
224	0.004	0.003	0.002	0.002	0.004	0.003	0.002	0.002	0.004	0.003	0.005	2	0.004	2	9999	Si
246	0.004	0.003	0.003	0.002	0.004	0.004	0.002	0.002	0.004	0.004	0.005	2	0.005	2	9999	Si
256	0.004	0.003	0.002	0.002	0.004	0.003	0.002	0.002	0.004	0.003	0.005	2	0.005	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
278	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.004	2	0.004	2	9999	Si
288	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	2	0.003	2	9999	Si
299	0.002	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.002	2	0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
33	9977	31960	43349	SLV 9	0.38	791	1.044	-848183	-3224991	-3671897	SLV 5	0.32	516	0.876	No
43	9564	31960	43349	SLV 9	0.38	815	1.057	-848183	-3224991	-3500809	SLV 5	0.3	447	0.826	No
64	8702	31960	43349	SLV 9	0.39	866	1.084	-823309	-3160701	-3143524	SLV 5	0.27	349	0.747	No
85	7840	31960	43349	SLV 9	0.4	920	1.111	-621499	-2620837	-2322809	SLV 5	0.24	267	0.669	No
96	7409	31960	43349	SLV 9	0.41	947	1.124	-527501	-2351257	-2322809	SLV 5	0.28	380	0.773	No
118	6547	31960	40395	SLV 9	0.38	818	1.059	-353322	-1813175	-2322809	SLV 5	0.39	870	1.086	Si
139	5685	31960	40395	SLV 9	0.39	870	1.086	-197565	-1277301	-2246336	SLV 5	0.57	2432	1.655	Si
160	4823	31960	40395	SLV 9	0.4	924	1.113	220171	780197	2402661	SLV 9	0.57	2474	1.666	Si
182	3961	31960	40395	SLV 9	0.41	980	1.14	288973	1318599	2395276	SLV 9	0.57	2406	1.647	Si
203	3099	31960	39880	SLV 9	0.42	1005	1.152	339353	1858252	2906184	SLV 9	0.49	1631	1.405	Si
224	2237	31960	34303	SLV 9	0.36	717	1.003	371313	2398628	3352449	SLV 9	0.45	1232	1.252	Si
246	1375	31960	33958	SLV 9	0.37	746	1.019	384852	-2939455	-3175429	SLV 7	0.44	1150	1.217	Si
256	944	31960	33897	SLV 9	0.37	767	1.031	384714	-3209987	-3176600	SLV 7	0.4	917	1.109	Si
278	82	31960	33830	SLV 9	0.38	812	1.055	384374	-3274389	-3177719	SLV 7	0.39	874	1.088	Si
288	-331	-31960	-33774	SLV 7	0.38	795	1.046	384374	-3274389	-3177719	SLV 7	0.39	874	1.088	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
33	9977	11225	43349	SLD 9	0.4	900	2.77	-848183	-1427183	-3671897	SLD 5	0.27	348	1.876	Si
43	9564	11225	43349	SLD 9	0.4	927	2.804	-848183	-1427183	-3500809	SLD 5	0.26	304	1.775	Si
64	8702	11225	43349	SLD 9	0.41	987	2.877	-823309	-1398732	-3143524	SLD 5	0.23	237	1.603	Si
85	7840	11225	43349	SLD 9	0.42	1055	2.956	-621499	-1159822	-2322809	SLD 5	0.2	181	1.435	Si
96	7409	11225	43349	SLD 9	0.43	1090	2.996	-527501	-1040522	-2322809	SLD 5	0.24	257	1.657	Si
118	6547	11225	40395	SLD 9	0.4	931	2.809	-353322	-802400	-2322809	SLD 5	0.33	565	2.289	Si
139	5685	11225	40395	SLD 9	0.41	992	2.883	-197565	-565254	-2246336	SLD 5	0.48	1515	3.429	Si
160	4823	11225	40395	SLD 9	0.42	1060	2.962	220171	345265	2402661	SLD 9	0.6	2474	4.193	Si
182	3961	11225	40395	SLD 9	0.43	1131	3.042	288973	583529	2395276	SLD 9	0.48	1499	3.414	Si
203	3099	11225	39880	SLD 9	0.44	1160	3.074	339353	822346	2906184	SLD 9	0.42	1017	2.912	Si
224	2237	11225	34303	SLD 9	0.38	816	2.661	371313	1061483	3352449	SLD 9	0.38	783	2.616	Si
246	1375	11225	33958	SLD 9	0.39	849	2.704	384852	-1300820	-3175429	SLD 7	0.37	736	2.551	Si
256	944	11225	33897	SLD 9	0.39	873	2.736	384714	-1420541	-3176600	SLD 7	0.34	594	2.336	Si
278	82	11225	33830	SLD 9	0.4	924	2.8	384374	-1449041	-3177719	SLD 7	0.33	567	2.292	Si
288	-331	-11225	-33774	SLD 7	0.4	905	2.776	384374	-1449041	-3177719	SLD 7	0.33	567	2.292	Si

Campata 5 tra i fili 8 - 1, sezione R 45x70, asta 943

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	7.7	41.81	7.6						-785816	SLU 29	-699551	-3177719	0.134	Si
24	26.61	7.7	41.81	7.6						-663990	SLU 29	-657928	-3177719	0.134	Si
33	26.61	7.7	41.81	7.6						-621059	SLU 29	-621059	-3177719	0.134	Si
47	26.61	7.7	37.83	7.8						-550401	SLU 29	-621059	-3149283	0.139	Si
71	26.61	7.7	31.84	8.1						-442545	SLU 29	-576007	-3115780	0.145	Si
95	26.61	7.7	31.89	7.5						-340424	SLU 29	-466843	-3148575	0.136	Si
107	26.61	7.7	26.61	7.1						-291514	SLU 29	-414411	-3145433	0.132	Si
130	26.61	7.7	22.04	6.6						-197994	SLU 29	-313847	-3140136	0.125	Si
154	25.75	7.6	15.21	5.4	-58828	SLU 8	17769	1971631	0.118	-110208	SLU 29	-219018	-3006361	0.109	Si
178	21.29	7.3	15.21	5.4	1375	SLU 26	86926	1953286	0.11	-29770	SLU 11	-129923	-2514220	0.101	Si
201	11.4	5.4	15.21	5.4	71819	SLU 22	150348	1873055	0.09	30603	SLU 11	-46562	-1422107	0.084	Si
225	11.4	5.4	15.21	5.4	136551	SLU 22	208037	1873055	0.09						Si
249	11.4	5.4	15.21	5.4	195549	SLU 22	259992	1873055	0.09						Si
272	15.42	5.4	15.21	5.4	248813	SLU 22	307942	1872760	0.089						Si
284	16.54	5.4	19.76	5.4	273294	SLU 22	331795	2412423	0.094						Si
308	18.77	5.4	22.81	5.4	321259	SLU 30	367964	2772855	0.097						Si
333	19.01	5.4	22.81	5.4	367964	SLU 30	367964	2772814	0.097						Si
355	19.01	5.4	22.81	5.4	404952	SLU 30	387722	2772814	0.097						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	7.7	41.81	7.6	3458859	SLV 11	3218547	4750259	0.174	-4620153	SLV 5	-4250358	-3177719	0.134	No
24	26.61	7.7	41.81	7.6	3106010	SLV 11	3088060	4750259	0.174	-4084313	SLV 5	-4057231	-3177719	0.134	No
33	26.61	7.7	41.81	7.6	2972477	SLV 11	2972477	4750259	0.174	-3886161	SLV 5	-3886161	-3177719	0.134	No
47	26.61	7.7	37.83	7.8	2747144	SLV 11	2972477	4308713	0.165	-3554522	SLV 5	-3886161	-3149283	0.139	No
71	26.61	7.7	31.84	8.1	2383889	SLV 11	2829327	3653763	0.153	-3029166	SLV 5	-3675226	-3115780	0.145	No
95	26.61	7.7	31.89	7.5	2016261	SLV 11	2467074	3698082	0.152	-2508258	SLV 5	-3148857	-3148575	0.136	No
107	26.61	7.7	26.61	7.1	1830814	SLV 11	2284305	3152300	0.14	-2249479	SLV 5	-2887338	-3145433	0.132	Si
130	26.61	7.7	22.04	6.6	1456685	SLV 11	1915493	2679743	0.132	-1735303	SLV 5	-2367643	-3140136	0.125	Si
154	25.75	7.6	15.21	5.4	1078335	SLV 11	1542348	1971631	0.118	-1225727	SLV 5	-1852436	-3006361	0.109	Si
178	21.29	7.3	15.21	5.4	696121	SLV 11	1164952	1953286	0.11	-721109	SLV 5	-1341800	-2514220	0.101	Si
201	11.4	5.4	15.21	5.4	312759	SLV 11	783583	1873055	0.09	-224164	SLV 5	-836013	-1422107	0.084	Si
225	11.4	5.4	15.21	5.4	289185	SLV 5	885984	1873055	0.09	-95829	SLV 11	-576297	-1422107	0.084	Si
249	11.4	5.4	15.21	5.4	774672	SLV 5	1371950	1873055	0.09	-485377	SLV 11	-977160	-1422107	0.084	Si
272	15.42	5.4	15.21	5.4	1261432	SLV 5	1854057	1872760	0.089	-885021	SLV 11	-1382986	-1898226	0.089	Si
284	16.54	5.4	19.76	5.4	1503467	SLV 5	2093536	2412423	0.094	-1086805	SLV 11	-1587632	-2030106	0.089	Si
308	18.77	5.4	22.81	5.4	1984450	SLV 5	2484509	2772855	0.097	-1493904	SLV 11	-1926019	-2294182	0.091	Si
333	19.01	5.4	22.81	5.4	2484509	SLV 5	2484509	2772814	0.097	-1926019	SLV 11	-1926019	-2322640	0.091	Si
355	19.01	5.4	22.81	5.4	2933549	SLV 5	2710067	2772814	0.097	-2321699	SLV 11	-2122953	-2322640	0.091	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	7.7	41.81	7.6	1206985	SLD 11	1136728	4750259	0.174	-2368279	SLD 5	-2168539	-3177719	0.134	Si
24	26.61	7.7	41.81	7.6	1101842	SLD 11	1096443	4750259	0.174	-2080144	SLD 5	-2065613	-3177719	0.134	Si
33	26.61	7.7	41.81	7.6	1060759	SLD 11	1060759	4750259	0.174	-1974443	SLD 5	-1974443	-3177719	0.134	Si
47	26.61	7.7	37.83	7.8	990671	SLD 11	1060759	4308713	0.165	-1798050	SLD 5	-1974443	-3149283	0.139	Si
71	26.61	7.7	31.84	8.1	875100	SLD 11	1016304	3653763	0.153	-1520377	SLD 5	-1862203	-3115780	0.145	Si
95	26.61	7.7	31.89	7.5	755133	SLD 11	901737	3698082	0.152	-1247129	SLD 5	-1583520	-3148575	0.136	Si
107	26.61	7.7	26.61	7.1	693504	SLD 11	842804	3152300	0.14	-1112169	SLD 5	-1445837	-3145433	0.132	Si
130	26.61	7.7	22.04	6.6	566969	SLD 11	721645	2679743	0.132	-845586	SLD 5	-1173794	-3140136	0.125	Si
154	25.75	7.6	15.21	5.4	436103	SLD 11	596107	1971631	0.118	-583494	SLD 5	-906195	-3006361	0.109	Si
178	21.29	7.3	15.21	5.4	301055	SLD 11	466226	1953286	0.11	-326042	SLD 5	-643074	-2514220	0.101	Si
201	11.4	5.4	15.21	5.4	162962	SLD 11	332117	1873055	0.09	-74367	SLD 5	-384547	-1422107	0.084	Si
225	11.4	5.4	15.21	5.4	181627	SLD 5	478317	1873055	0.09	11728	SLD 11	-168629	-1422107	0.084	Si
249	11.4	5.4	15.21	5.4	423365	SLD 5	717117	1873055	0.09	-134070	SLD 11	-322327	-1422107	0.084	Si
272	15.42	5.4	15.21	5.4	663083	SLD 5	951738	1872760	0.089	-286672	SLD 11	-480667	-1898226	0.089	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
284	16.54	5.4	19.76	5.4	781418	SLD 5	1067428	2412423	0.094	-364756	SLD 11	-561524	-2030106	0.089	Si
308	18.77	5.4	22.81	5.4	1014872	SLD 5	1255108	2772855	0.097	-524326	SLD 11	-696618	-2294182	0.091	Si
333	19.01	5.4	22.81	5.4	1255108	SLD 5	1255108	2772814	0.097	-696618	SLD 11	-696618	-2322640	0.091	Si
355	19.01	5.4	22.81	5.4	1468700	SLD 5	1362904	2772814	0.097	-856850	SLD 11	-775790	-2322640	0.091	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	5663	SLU 29	5663	14234	74187	0	14234	1	Si
24	0	26.61	0	4921	SLU 29	4921	14234	74187	0	14234	1	Si
33	0.259	26.61	0	4830	SLU 29	4830	14234	74187	28949	28949	1	Si
47	0.259	26.61	0	4678	SLU 29	4678	14234	74187	28949	28949	1	Si
71	0.259	26.61	0	4436	SLU 29	4436	14234	74187	28949	28949	1	Si
95	0.259	25.75	0	4194	SLU 29	4194	14079	74187	28949	28949	1	Si
107	0.239	23.52	0	4073	SLU 29	4073	13660	74187	26738	26738	1	Si
130	0.239	19.06	0	3830	SLU 29	3830	12735	74187	26738	26738	1	Si
154	0.239	11.4	0	3588	SLU 29	3588	10737	74255	26762	26762	1	Si
178	0.239	11.4	0	3346	SLU 29	3346	10768	74697	26922	26922	1	Si
201	0.239	15.21	0	3104	SLU 29	3104	12021	76908	27718	27718	1	Si
225	0.239	15.21	0	2861	SLU 29	2861	12021	76908	27718	27718	1	Si
249	0.239	15.21	0	2619	SLU 29	2619	12021	76908	27718	27718	1	Si
272	0.23	15.21	0	2377	SLU 29	2377	12021	76908	26676	26676	1	Si
284	0.23	15.21	0	2256	SLU 29	2256	12021	76908	26676	26676	1	Si
308	0.23	15.21	0	2013	SLU 29	2013	12021	76908	26676	26676	1	Si
333	0.23	15.21	0	1759	SLU 29	1759	12021	76908	26676	26676	1	Si
355	0	21.36	0	1529	SLU 29	1529	13462	76908	0	13462	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	22993	SLV 5	27875	14234	74187	0	14234	1	Si
0	0	41.03	0	-14562	SLV 11	-19444	-16458	-74311	0	-16458	1	Si
24	0	26.61	0	22482	SLV 5	27364	14234	74187	0	14234	1	Si
24	0	32.63	0	-15073	SLV 11	-19955	-15249	-74311	0	-15249	1	Si
33	0.259	26.61	0	22412	SLV 5	27294	14234	74187	28949	28949	1	Si
33	0.259	31.89	0	-15143	SLV 11	-20025	-15132	-74311	-28997	-28997	1	Si
47	0.259	26.61	0	22295	SLV 5	27177	14234	74187	28949	28949	1	Si
47	0.259	26.61	0	-15260	SLV 11	-20142	-14220	-74037	-28891	-28891	1	Si
71	0.259	26.61	0	22109	SLV 5	26991	14234	74187	28949	28949	1	Si
71	0.259	22.04	0	-15446	SLV 11	-20328	-13325	-73697	-28758	-28758	1	Si
95	0.259	25.75	0	21923	SLV 5	26805	14079	74187	28949	28949	1	Si
95	0.259	15.21	0	-15632	SLV 11	-20514	-11830	-74417	-29039	-29039	1	Si
107	0.239	23.52	0	21829	SLV 5	26712	13660	74187	26738	26738	1	Si
107	0.239	15.21	0	-15726	SLV 11	-20608	-11865	-74867	-26983	-26983	1	Si
130	0.239	19.06	0	21643	SLV 5	26525	12735	74187	26738	26738	1	Si
130	0.239	15.21	0	-15912	SLV 11	-20794	-11908	-75432	-27186	-27186	1	Si
154	0.239	11.4	0	21457	SLV 5	26339	10737	74255	26762	26762	1	Si
154	0.239	15.21	0	-16098	SLV 11	-20980	-12021	-76908	-27718	-27718	1	Si
178	0.239	11.4	0	21270	SLV 5	26152	10768	74697	26922	26922	1	Si
178	0.239	15.21	0	-16285	SLV 11	-21167	-12021	-76908	-27718	-27718	1	Si
201	0.239	11.4	0	21084	SLV 5	25966	10922	76908	27718	27718	1	Si
201	0.239	15.21	0	-16471	SLV 11	-21353	-12021	-76908	-27718	-27718	1	Si
225	0.239	15.21	0	20898	SLV 5	25780	12021	76908	27718	27718	1	Si
225	0.239	16.54	0	-16657	SLV 11	-21540	-12362	-76908	-27718	-27718	1	Si
249	0.239	15.21	0	20711	SLV 5	25593	12021	76908	27718	27718	1	Si
249	0.239	18.77	0	-16844	SLV 11	-21726	-12894	-76908	-27718	-27718	1	Si
272	0.23	15.21	0	20525	SLV 5	25407	12021	76908	26676	26676	1	Si
272	0.23	11.4	0	-17030	SLV 11	-21912	-10922	-76908	-26676	-26676	1	Si
284	0.23	15.21	0	20432	SLV 5	25314	12021	76908	26676	26676	1	Si
284	0.23	11.4	0	-17123	SLV 11	-22005	-10922	-76908	-26676	-26676	1	Si
308	0.23	15.21	0	20245	SLV 5	25127	12021	76908	26676	26676	1	Si
308	0.23	11.4	0	-17310	SLV 11	-22192	-10922	-76908	-26676	-26676	1	Si
333	0.23	15.21	0	20050	SLV 5	24932	12021	76908	26676	26676	1	Si
333	0.23	15.42	0	-17505	SLV 11	-22387	-12077	-76908	-26676	-26676	1	Si
355	0	21.36	0	19872	SLV 5	24755	13462	76908	0	13462	1	Si
355	0	17.65	0	-17682	SLV 11	-22565	-12634	-76908	0	-12634	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	12525	SLD 5	12525	14234	74187	0	14234	1	Si
0	0	41.03	0	-4094	SLD 11	-4094	-16458	-74311	0	-16458	1	Si
24	0	26.61	0	12014	SLD 5	12014	14234	74187	0	14234	1	Si
24	0	32.63	0	-4605	SLD 11	-4605	-15249	-74311	0	-15249	1	Si
33	0.259	26.61	0	11944	SLD 5	11944	14234	74187	28949	28949	1	Si
33	0.259	31.89	0	-4675	SLD 11	-4675	-15132	-74311	-28997	-28997	1	Si
47	0.259	26.61	0	11828	SLD 5	11828	14234	74187	28949	28949	1	Si
47	0.259	26.61	0	-4792	SLD 11	-4792	-14220	-74037	-28891	-28891	1	Si
71	0.259	26.61	0	11641	SLD 5	11641	14234	74187	28949	28949	1	Si
71	0.259	22.04	0	-4978	SLD 11	-4978	-13325	-73697	-28758	-28758	1	Si
95	0.259	25.75	0	11455	SLD 5	11455	14079	74187	28949	28949	1	Si
95	0.259	15.21	0	-5165	SLD 11	-5165	-11830	-74417	-29039	-29039	1	Si
107	0.239	23.52	0	11362	SLD 5	11362	13660	74187	26738	26738	1	Si
107	0.239	15.21	0	-5258	SLD 11	-5258	-11865	-74867	-26983	-26983	1	Si
130	0.239	19.06	0	11175	SLD 5	11175	12735	74187	26738	26738	1	Si
130	0.239	15.21	0	-5444	SLD 11	-5444	-11908	-75432	-27186	-27186	1	Si
154	0.239	11.4	0	10989	SLD 5	10989	10737	74255	26762	26762	1	Si
154	0.239	15.21	0	-5630	SLD 11	-5630	-12021	-76908	-27718	-27718	1	Si
178	0.239	11.4	0	10802	SLD 5	10802	10768	74697	26922	26922	1	Si
178	0.239	15.21	0	-5817	SLD 11	-5817	-12021	-76908	-27718	-27718	1	Si
201	0.239	11.4	0	10616	SLD 5	10616	10922	76908	27718	27718	1	Si
201	0.239	15.21	0	-6003	SLD 11	-6003	-12021	-76908	-27718	-27718	1	Si
225	0.239	15.21	0	10430	SLD 5	10430	12021	76908	27718	27718	1	Si
225	0.239	15.21	0	-6190	SLD 11	-6190	-12021	-76908	-27718	-27718	1	Si
249	0.239	15.21	0	10243	SLD 5	10243	12021	76908	27718	27718	1	Si
249	0.239	18.77	0	-6376	SLD 11	-6376	-12894	-76908	-27718	-27718	1	Si
272	0.23	15.21	0	10057	SLD 5	10057	12021	76908	26676	26676	1	Si
272	0.23	11.4	0	-6562	SLD 11	-6562	-10922	-76908	-26676	-26676	1	Si
284	0.23	15.21	0	9964	SLD 5	9964	12021	76908	26676	26676	1	Si
284	0.23	11.4	0	-6656	SLD 11	-6656	-10922	-76908	-26676	-26676	1	Si
308	0.23	15.21	0	9777	SLD 5	9777	12021	76908	26676	26676	1	Si
308	0.23	11.4	0	-6842	SLD 11	-6842	-10922	-76908	-26676	-26676	1	Si
333	0.23	15.21	0	9582	SLD 5	9582	12021	76908	26676	26676	1	Si
333	0.23	15.42	0	-7037	SLD 11	-7037	-12077	-76908	-26676	-26676	1	Si
355	0	21.36	0	9405	SLD 5	9405	13462	76908	0	13462	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
355	0	17.65	0	-7215	SLD 11	-7215	-12634	-76908	0	-12634	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-595188	2	-529462	11.3	124.5	378.2	1837	-580647	2	-515906	11.1	93.4	0	+∞	Si
24	-502340	2	-497715	10.7	124.5	355.5	1837	-489151	2	-484585	10.4	93.4	0	+∞	Si
33	-469593	2	-469593	10.1	124.5	335.5	1837	-456842	2	-456842	9.8	93.4	0	+∞	Si
47	-415705	2	-469593	10.4	124.5	336.7	1837	-403689	2	-456842	10.2	93.4	0	+∞	Si
71	-333480	2	-435233	10.2	124.5	313.7	1837	-322638	2	-422949	9.9	93.4	0	+∞	Si
95	-255666	2	-352001	8.1	124.5	252.4	1837	-245998	2	-340891	7.9	93.4	0	+∞	Si
107	-218414	2	-312039	7.5	124.5	223.8	1837	-209332	2	-301516	7.2	93.4	0	+∞	Si
130	-147216	2	-235424	5.8	124.5	168.9	1837	-139309	2	-226075	5.6	93.4	0	+∞	Si
154	-80430	2	-163219	4.3	124.5	120.6	1837	-73696	2	-155044	4.1	93.4	0	+∞	Si
178	-18054	2	-95426	2.7	124.5	83.2	1837	-12494	2	-88424	2.5	93.4	0	+∞	Si
201	52113	4	113426	3.5	124.5	127.5	1837	50877	1	112299	3.5	93.4	0	+∞	Si
225	102645	4	158540	4.9	124.5	178.3	1837	101497	1	157501	4.9	93.4	0	+∞	Si
249	148765	4	199242	6.2	124.5	224	1837	147706	1	198292	6.2	93.4	0	+∞	Si
272	190475	4	236543	7	124.5	265.1	1837	189504	1	235536	7	93.4	0	+∞	Si
284	209676	4	254524	6.8	124.5	221.3	1837	208749	1	252952	6.8	93.4	0	+∞	Si
308	246587	3	281744	7	124.5	213	1837	245273	2	279245	7	93.4	0	+∞	Si
333	281744	3	281744	7	124.5	212.9	1837	279245	2	279245	6.9	93.4	0	+∞	Si
355	309498	3	296593	7.4	124.5	224.2	1837	305925	2	293557	7.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
24	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
33	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
47	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.004	1	-0.005	1	9999	Si
71	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
83	-0.003	-0.004	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
95	-0.003	-0.004	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
107	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.005	1	9999	Si
130	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.004	1	-0.005	1	9999	Si
154	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
178	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
201	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
225	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.002	1	0.001	1	9999	Si
249	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.002	1	9999	Si
272	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	1	0.003	1	9999	Si
284	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.002	0.003	1	0.003	1	9999	Si
308	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
333	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
33	3635	23660	28949	SLV 5	0.39	839	1.07	-456842	-3429319	-3177719	SLV 5	0.29	413	0.8	No
47	3518	23660	28949	SLV 5	0.39	848	1.074	-456842	-3429319	-3149283	SLV 5	0.29	404	0.793	No
71	3332	23660	28949	SLV 5	0.39	864	1.083	-422949	-3252277	-3115780	SLV 5	0.3	453	0.831	No
95	3145	23660	28949	SLV 5	0.4	879	1.09	-340891	-2807965	-3148575	SLV 5	0.36	711	0.999	No
107	3052	23660	26738	SLV 5	0.36	713	1.001	-301516	-2585821	-3145433	SLV 5	0.4	897	1.099	Si
130	2866	23660	26738	SLV 5	0.37	727	1.009	-226075	2141568	2679743	SLV 11	0.49	1555	1.378	Si
154	2679	23660	26762	SLV 5	0.37	743	1.018	-155044	1697392	1971631	SLV 11	0.45	1258	1.263	Si
178	2493	23660	26922	SLV 5	0.38	769	1.032	-88424	1253376	1953286	SLV 11	0.57	2474	1.666	Si
201	2306	23660	27718	SLV 5	0.39	847	1.074	-26215	-809798	-1422107	SLV 5	0.57	2474	1.666	Si
225	2120	23660	27718	SLV 5	0.39	862	1.082	154844	-731140	-1422107	SLV 11	0.57	2474	1.666	Si
249	1934	23660	27718	SLV 5	0.4	878	1.09	197395	-1174555	-1422107	SLV 11	0.49	1623	1.402	Si
272	1747	23660	26676	SLV 5	0.38	808	1.053	235536	1618521	1872760	SLV 5	0.37	732	1.011	Si
284	1654	23660	26676	SLV 5	0.38	816	1.057	252952	1840584	2412423	SLV 5	0.42	1057	1.176	Si
308	1468	23660	26676	SLV 5	0.39	830	1.065	279245	2205264	2772855	SLV 5	0.41	960	1.13	Si
333	1272	23660	26676	SLV 5	0.39	846	1.073	279245	2205264	2772814	SLV 5	0.41	960	1.13	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
33	3635	8310	28949	SLD 5	0.41	955	2.838	-456842	-1517601	-3177719	SLD 5	0.25	280	1.716	Si
47	3518	8310	28949	SLD 5	0.41	965	2.85	-456842	-1517601	-3149283	SLD 5	0.24	274	1.701	Si
71	3332	8310	28949	SLD 5	0.41	984	2.873	-422949	-1439253	-3115780	SLD 5	0.26	308	1.785	Si
95	3145	8310	28949	SLD 5	0.42	1003	2.896	-340891	-1242628	-3148575	SLD 5	0.31	465	2.113	Si
107	3052	8310	26738	SLD 5	0.38	811	2.654	-301516	-1144321	-3145433	SLD 5	0.34	582	2.317	Si
130	2866	8310	26738	SLD 5	0.39	827	2.675	-226075	947720	2679743	SLD 11	0.41	970	2.856	Si
154	2679	8310	26762	SLD 5	0.39	845	2.699	-155044	751151	1971631	SLD 11	0.38	799	2.638	Si
178	2493	8310	26922	SLD 5	0.39	875	2.738	-88424	554650	1953286	SLD 11	0.49	1579	3.488	Si
201	2306	8310	27718	SLD 5	0.41	964	2.849	-26215	-358332	-1422107	SLD 5	0.52	1838	3.712	Si
225	2120	8310	27718	SLD 5	0.41	982	2.871	154844	-323473	-1422107	SLD 11	0.6	2474	4.193	Si
249	1934	8310	27718	SLD 5	0.42	1002	2.895	197395	-519722	-1422107	SLD 11	0.42	1013	2.908	Si
272	1747	8310	26676	SLD 5	0.4	919	2.794	235536	716202	1872760	SLD 5	0.31	477	2.135	Si
284	1654	8310	26676	SLD 5	0.4	929	2.806	252952	814476	2412423	SLD 5	0.36	681	2.471	Si
308	1468	8310	26676	SLD 5	0.41	945	2.826	279245	975863	2772855	SLD 5	0.35	623	2.382	Si
333	1272	8310	26676	SLD 5	0.41	963	2.848	279245	975863	2772814	SLD 5	0.35	623	2.382	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 43-2

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89

Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 43 - 20, sezione R 45x70, asta 936

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4						-556829	SLU 30	-327503	-1873055	0.09	Si
28	15.21	5.4	11.4	5.4	30383	SLU 19	308607	1422107	0.084	-137184	SLU 12	-137184	-1873055	0.09	Si
47	15.21	5.4	11.4	5.4	222857	SLU 19	559755	1422107	0.084	115394	SLU 18	-137184	-1873055	0.09	Si
95	10.97	5.4	11.4	5.4	778301	SLU 29	1078195	1422094	0.084						Si
142	7.6	5.4	11.4	5.4	1245948	SLU 29	1465004	1422093	0.084						No
166	7.6	5.4	11.4	5.4	1430410	SLU 29	1609047	1422093	0.084						No
213	7.6	5.4	11.4	5.4	1700611	SLU 29	1798410	1422093	0.084						No
260	7.6	5.4	11.4	5.4	1839182	SLU 29	1859106	1422093	0.084						No
308	7.6	5.4	11.4	5.4	1846123	SLU 29	1859106	1422093	0.084						No
355	7.6	5.4	11.4	5.4	1721433	SLU 29	1810707	1422093	0.084						No
402	7.6	5.4	11.4	5.4	1465112	SLU 29	1635224	1422093	0.084						No
450	7.6	5.4	11.4	5.4	1077161	SLU 29	1328111	1422093	0.084						Si
497	7.6	5.4	11.4	5.4	557580	SLU 29	889368	1422093	0.084	202346	SLU 4	-53048	-970824	0.078	Si
521	7.6	5.4	11.4	5.4	265457	SLU 11	620635	1422093	0.084	4257	SLU 22	-309512	-970824	0.078	Si
568	11.27	5.4	11.4	5.4	-343436	SLU 12	41338	1422094	0.084	-521276	SLU 19	-977088	-1405620	0.083	Si
615	15.21	5.4	11.4	5.4						-1317257	SLU 29	-1906584	-1873055	0.09	No
663	20.47	5.4	11.4	5.4						-2297546	SLU 29	-2865291	-2496422	0.1	No
688	22.81	5.4	11.4	5.4						-2865291	SLU 29	-2865291	-2773209	0.105	No
710	22.81	5.4	11.4	5.4						-3409464	SLU 29	-3130328	-2773209	0.105	No

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	1066924	SLV 7	1066924	1422107	0.084	-1725814	SLV 9	-1524024	-1873055	0.09	Si
28	15.21	5.4	11.4	5.4	1252950	SLV 7	1417849	1422107	0.084	-1334902	SLV 9	-1334902	-1873055	0.09	Si
47	15.21	5.4	11.4	5.4	1371301	SLV 7	1512830	1422107	0.084	-1068895	SLV 9	-1334902	-1873055	0.09	No
95	10.97	5.4	11.4	5.4	1587998	SLV 7	1675807	1422094	0.084	-500528	SLV 9	-841027	-1371085	0.083	No
142	7.6	5.4	11.4	5.4	1717278	SLV 7	1751656	1422093	0.084	-20975	SLV 9	-306896	-970824	0.078	No
166	7.6	5.4	11.4	5.4	1749284	SLV 7	1759672	1422093	0.084	185348	SLV 9	-73167	-970824	0.078	No
213	7.6	5.4	11.4	5.4	1748617	SLV 7	1759672	1422093	0.084						No
260	7.6	5.4	11.4	5.4	1663553	SLV 11	1723760	1422093	0.084						No
308	7.6	5.4	11.4	5.4	1500830	SLV 11	1607574	1422093	0.084						No
355	7.6	5.4	11.4	5.4	1293168	SLV 11	1421252	1422093	0.084						Si
402	7.6	5.4	11.4	5.4	1144463	SLV 9	1207199	1422093	0.084						Si
450	7.6	5.4	11.4	5.4	1016099	SLV 9	1099067	1422093	0.084						Si
497	7.6	5.4	11.4	5.4	824004	SLV 9	949439	1422093	0.084	-178817	SLV 7	-548034	-970824	0.078	Si
521	7.6	5.4	11.4	5.4	697797	SLV 9	848136	1422093	0.084	-475147	SLV 7	-872523	-970824	0.078	Si
568	11.27	5.4	11.4	5.4	381845	SLV 9	584137	1422094	0.084	-1136441	SLV 7	-1589175	-1405620	0.083	No
615	15.21	5.4	11.4	5.4	-20397	SLV 9	235010	1422107	0.084	-1887677	SLV 7	-2395171	-1873055	0.09	No
663	20.47	5.4	11.4	5.4						-2727995	SLV 7	-3204890	-2496422	0.1	No
688	22.81	5.4	11.4	5.4						-3204890	SLV 7	-3204890	-2773209	0.105	No
710	22.81	5.4	11.4	5.4						-3657001	SLV 7	-3426560	-2773209	0.105	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	288365	SLD 7	288365	1422107	0.084	-947255	SLD 9	-773825	-1873055	0.09	Si
28	15.21	5.4	11.4	5.4	531506	SLD 7	756706	1422107	0.084	-613458	SLD 9	-613458	-1873055	0.09	Si
47	15.21	5.4	11.4	5.4	691018	SLD 7	892781	1422107	0.084	-388613	SLD 9	-613458	-1873055	0.09	Si
95	10.97	5.4	11.4	5.4	1005748	SLD 7	1153571	1422094	0.084	81722	SLD 9	-198601	-1371085	0.083	Si
142	7.6	5.4	11.4	5.4	1232672	SLD 7	1326683	1422093	0.084						Si
166	7.6	5.4	11.4	5.4	1313272	SLD 7	1380466	1422093	0.084						Si
213	7.6	5.4	11.4	5.4	1409007	SLD 7	1424348	1422093	0.084						No
260	7.6	5.4	11.4	5.4	1418272	SLD 11	1424348	1422093	0.084						No
308	7.6	5.4	11.4	5.4	1344048	SLD 11	1397384	1422093	0.084						Si
355	7.6	5.4	11.4	5.4	1200824	SLD 11	1293763	1422093	0.084						Si
402	7.6	5.4	11.4	5.4	1034588	SLD 9	1118707	1422093	0.084						Si
450	7.6	5.4	11.4	5.4	828204	SLD 9	961522	1422093	0.084						Si
497	7.6	5.4	11.4	5.4	544481	SLD 9	726766	1422093	0.084	100706	SLD 7	-210141	-970824	0.078	Si
521	7.6	5.4	11.4	5.4	370851	SLD 9	579241	1422093	0.084	-148201	SLD 7	-486592	-970824	0.078	Si
568	11.27	5.4	11.4	5.4	-41369	SLD 9	220180	1422094	0.084	-713227	SLD 7	-1106283	-1405620	0.083	Si
615	15.21	5.4	11.4	5.4						-1367177	SLD 7	-1814632	-1873055	0.09	Si
663	20.47	5.4	11.4	5.4						-2109669	SLD 7	-2535100	-2496422	0.1	No
688	22.81	5.4	11.4	5.4						-2535100	SLD 7	-2535100	-2773209	0.105	Si
710	22.81	5.4	11.4	5.4						-2940530	SLD 7	-2733243	-2773209	0.105	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.21	0	16840	SLU 30	16840	11469	76908	0	11469	1	Si
28	0.144	10.97	0	15225	SLU 30	15225	10783	76908	16673	16673	1	Si
47	0.144	11.4	0	14060	SLU 30	14060	10922	76908	16673	16673	1	Si
95	0.144	11.4	0	11279	SLU 30	11279	10922	76908	16673	16673	1	Si
142	0.168	11.4	0	8498	SLU 30	8498	10922	76908	19525	19525	1	Si
166	0.168	11.4	0	7108	SLU 30	7108	10922	76908	19525	19525	1	Si
213	0.168	11.4	0	4327	SLU 30	4327	10922	76908	19525	19525	1	Si
260	0.168	11.4	0	1546	SLU 30	1546	10922	76908	19525	19525	1	Si
308	0.168	11.4	0	-1429	SLU 19	-1429	-10922	-76908	-19525	-19525	1	Si
355	0.168	11.4	0	-4025	SLU 29	-4025	-10922	-76908	-19525	-19525	1	Si
402	0.168	11.4	0	-6805	SLU 29	-6805	-10922	-76908	-19525	-19525	1	Si
450	0.168	11.4	0	-9586	SLU 29	-9586	-10922	-76908	-19525	-19525	1	Si
497	0.168	11.4	0	-12367	SLU 29	-12367	-10922	-76908	-19525	-19525	1	Si
521	0.168	11.4	0	-13757	SLU 29	-13757	-10922	-76908	-19525	-19525	1	Si
568	0.168	7.6	0	-16538	SLU 29	-16538	-9541	-76908	-19525	-19525	1	Si
615	0.168	7.6	0	-19319	SLU 29	-19319	-9541	-76908	-19525	-19525	1	Si
663	0.215	13.5	0	-22100	SLU 29	-22100	-11553	-76908	-25009	-25009	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
688	0.215	15.21	0	-23559	SLU 29	-23559	-12021	-76908	-25009	-25009	1	Si
710	0	18.24	0	-24881	SLU 29	-24881	-12772	-76908	0	-12772	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.21	0	14835	SLV 9	15810	11469	76908	0	11469	1	Si
28	0.144	10.97	0	13754	SLV 9	14730	10783	76908	16673	16673	1	Si
47	0.144	7.6	0	12974	SLV 9	13949	9541	76908	16673	16673	1	Si
95	0.144	7.6	0	11113	SLV 9	12088	9541	76908	16673	16673	1	Si
142	0.168	7.6	0	9251	SLV 9	10226	9541	76908	19525	19525	1	Si
166	0.168	11.4	0	8320	SLV 9	9296	10922	76908	19525	19525	1	Si
166	0.168	11.4	0	819	SLV 7	-157	-10922	-76908	-19525	-19525	1	Si
213	0.168	11.4	0	6459	SLV 9	7434	10922	76908	19525	19525	1	Si
213	0.168	11.4	0	-1043	SLV 7	-2018	-10922	-76908	-19525	-19525	1	Si
260	0.168	11.4	0	4597	SLV 9	5573	10922	76908	19525	19525	1	Si
260	0.168	11.4	0	-2904	SLV 7	-3880	-10922	-76908	-19525	-19525	1	Si
308	0.168	11.4	0	2736	SLV 9	3711	10922	76908	19525	19525	1	Si
308	0.168	11.4	0	-4766	SLV 7	-5741	-10922	-76908	-19525	-19525	1	Si
355	0.168	11.4	0	874	SLV 9	1850	10922	76908	19525	19525	1	Si
355	0.168	11.4	0	-6627	SLV 7	-7603	-10922	-76908	-19525	-19525	1	Si
402	0.168	11.4	0	-8489	SLV 7	-9464	-10922	-76908	-19525	-19525	1	Si
450	0.168	11.4	0	-10350	SLV 7	-11326	-10922	-76908	-19525	-19525	1	Si
497	0.168	7.6	0	-12212	SLV 7	-13187	-9541	-76908	-19525	-19525	1	Si
521	0.168	7.6	0	-13143	SLV 7	-14118	-9541	-76908	-19525	-19525	1	Si
568	0.168	7.6	0	-15004	SLV 7	-15980	-9541	-76908	-19525	-19525	1	Si
615	0.168	7.6	0	-16866	SLV 7	-17841	-9541	-76908	-19525	-19525	1	Si
663	0.215	13.5	0	-18727	SLV 7	-19703	-11553	-76908	-25009	-25009	1	Si
688	0.215	15.21	0	-19704	SLV 7	-20679	-12021	-76908	-25009	-25009	1	Si
710	0	18.24	0	-20589	SLV 7	-21564	-12772	-76908	0	-12772	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.21	0	12744	SLD 9	12744	11469	76908	0	11469	1	Si
28	0.144	10.97	0	11663	SLD 9	11663	10783	76908	16673	16673	1	Si
47	0.144	7.6	0	10883	SLD 9	10883	9541	76908	16673	16673	1	Si
95	0.144	11.4	0	9021	SLD 9	9021	10922	76908	16673	16673	1	Si
142	0.168	11.4	0	7160	SLD 9	7160	10922	76908	19525	19525	1	Si
166	0.168	11.4	0	6229	SLD 9	6229	10922	76908	19525	19525	1	Si
213	0.168	11.4	0	4368	SLD 9	4368	10922	76908	19525	19525	1	Si
260	0.168	11.4	0	2506	SLD 9	2506	10922	76908	19525	19525	1	Si
260	0.168	11.4	0	-813	SLD 7	-813	-10922	-76908	-19525	-19525	1	Si
308	0.168	11.4	0	645	SLD 9	645	10922	76908	19525	19525	1	Si
308	0.168	11.4	0	-2675	SLD 7	-2675	-10922	-76908	-19525	-19525	1	Si
355	0.168	11.4	0	-4536	SLD 7	-4536	-10922	-76908	-19525	-19525	1	Si
402	0.168	11.4	0	-6398	SLD 7	-6398	-10922	-76908	-19525	-19525	1	Si
450	0.168	11.4	0	-8259	SLD 7	-8259	-10922	-76908	-19525	-19525	1	Si
497	0.168	11.4	0	-10121	SLD 7	-10121	-10922	-76908	-19525	-19525	1	Si
521	0.168	7.6	0	-11052	SLD 7	-11052	-9541	-76908	-19525	-19525	1	Si
568	0.168	7.6	0	-12913	SLD 7	-12913	-9541	-76908	-19525	-19525	1	Si
615	0.168	7.6	0	-14775	SLD 7	-14775	-9541	-76908	-19525	-19525	1	Si
663	0.215	13.5	0	-16636	SLD 7	-16636	-11553	-76908	-25009	-25009	1	Si
688	0.215	15.21	0	-17613	SLD 7	-17613	-12021	-76908	-25009	-25009	1	Si
710	0	18.24	0	-18498	SLD 7	-18498	-12772	-76908	0	-12772	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-387688	3	-221725	6.9	124.5	249.3	1837	-329445	2	-178522	5.6	93.4	0	+∞	Si
28	-70316	3	-70316	2.2	124.5	79.1	1837	-40976	2	-40976	1.3	93.4	0	+∞	Si
47	161532	1	419380	13.8	124.5	621	1837	161532	1	400769	13.2	93.4	0	+∞	Si
95	577147	2	793328	27.5	124.5	1177.9	1837	543735	2	739187	25.6	93.4	0	+∞	Si
142	914098	2	1071396	38.9	124.5	1595.2	1837	848152	2	989489	35.9	93.4	0	+∞	Si
166	1046619	2	1174476	42.6	124.5	1748.7	1837	967316	2	1081596	39.3	93.4	0	+∞	Si
213	1239750	2	1308725	47.5	124.5	1948.6	1837	1139560	2	1199725	43.6	93.4	0	+∞	Si
260	1337003	2	1349675	49	124.5	2009.5	1837	1223687	2	1232708	44.8	93.4	0	+∞	Si
308	1338376	2	1349675	49	124.5	2009.5	1837	1219700	2	1232708	44.8	93.4	0	+∞	Si
355	1243870	2	1311158	47.6	124.5	1952.2	1837	1127596	2	1192660	43.3	93.4	0	+∞	Si
402	1053485	2	1179655	42.8	124.5	1756.4	1837	947378	2	1066556	38.7	93.4	0	+∞	Si
450	767220	2	952273	34.6	124.5	1417.8	1837	679043	2	852336	30.9	93.4	0	+∞	Si
497	385076	2	629011	22.8	124.5	936.5	1837	322593	2	550000	20	93.4	0	+∞	Si
521	158049	2	431426	15.7	124.5	642.4	1837	111325	2	365789	13.3	93.4	0	+∞	Si
568	-391375	1	-740556	25.6	124.5	1112.3	1837	-391375	1	-722990	25	93.4	0	+∞	Si
615	-989756	2	-1421281	44.3	124.5	1598.2	1837	-954037	2	-1353843	42.2	93.4	0	+∞	Si
663	-1707477	2	-2122953	59.9	124.5	1794.9	1837	-1618891	2	-2003478	56.5	93.4	0	+∞	Si
688	-2122953	2	-2122953	57.9	124.5	1618.4	1837	-2003478	2	-2003478	54.6	93.4	0	+∞	Si
710	-2521078	2	-2316881	63.2	124.5	1766.2	1837	-2371860	2	-2182951	59.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
28	0.019	0.015	0.022	0.013	0.018	0.015	0.019	0.013	0.017	0.015	0.055	2	0.039	2	9999	Si
47	0.033	0.026	0.038	0.023	0.031	0.026	0.033	0.023	0.031	0.026	0.096	2	0.067	2	7432	Si
95	0.066	0.052	0.074	0.045	0.062	0.052	0.064	0.046	0.061	0.052	0.189	2	0.133	2	3753	Si
142	0.096	0.074	0.108	0.065	0.089	0.074	0.093	0.065	0.087	0.074	0.275	2	0.192	2	2578	Si
166	0.108	0.083	0.123	0.074	0.101	0.084	0.106	0.074	0.099	0.084	0.314	2	0.217	2	2259	Si
213	0.129	0.099	0.148	0.087	0.12	0.099	0.127	0.087	0.117	0.099	0.379	2	0.259	2	1872	Si
260	0.141	0.107	0.164	0.094	0.131	0.108	0.14	0.095	0.128	0.108	0.419	2	0.285	2	1694	Si
308	0.145	0.11	0.169	0.096	0.135	0.11	0.143	0.097	0.131	0.11	0.43	2	0.29	2	1650	Si
355	0.141	0.106	0.162	0.092	0.131	0.106	0.137	0.092	0.127	0.106	0.413	2	0.274	2	1720	Si
402	0.13	0.096	0.146	0.082	0.12	0.096	0.123	0.083	0.116	0.096	0.371	2	0.245	2	1915	Si
450	0.111	0.081	0.123	0.069	0.102	0.081	0.104	0.069	0.099	0.081	0.313	2	0.205	2	2267	Si
497	0.088	0.063	0.096	0.052	0.081	0.063	0.081	0.052	0.078	0.063	0.246	2	0.157	2	2885	Si
521	0.076	0.053	0.082	0.043	0.069	0.053	0.068	0.043	0.067	0.053	0.211	2	0.132	2	3373	Si
568	0.05	0.033	0.053	0.025	0.045	0.033	0.043	0.025	0.043	0.033	0.139	2	0.081	2	5106	Si
615	0.026	0.016	0.026	0.01	0.023	0.016	0.02	0.01	0.022	0.016	0.073	2	0.036	2	9755	Si
663	0.008	0.003	0.006	-0.001	0.007	0.004	0.003	-0.001	0.006	0.004	0.021	2	0.005	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
688	0.002	0	0	-0.002	0.002	0	-0.001	-0.002	0.002	0	0.005	2	-0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	10003	4726	16673	SLV 9	0.5	1726	1.438	-40976	1293926	1422107	SLV 7	0.41	960	1.13	Si
47	9223	4726	16673	SLV 9	0.56	2321	1.623	400769	1112061	1422107	SLV 7	0.34	579	0.919	No
95	7362	4726	16673	SLV 9	0.57	2474	1.666	739187	936620	1422094	SLV 7	0.27	343	0.741	No
142	5500	4726	19525	SLV 9	0.57	2474	1.666	989489	762167	1422093	SLV 7	0.21	199	0.593	No
166	4570	4726	19525	SLV 9	0.57	2474	1.666	1064453	695220	1422093	SLV 7	0.19	162	0.545	No
213	2708	4726	19525	SLV 9	0.57	2474	1.666	1199725	498130	1422093	SLV 7	0.17	121	0.484	No
260	847	4726	19525	SLV 9	0.57	2474	1.666	1180522	543238	1422093	SLV 7	0.17	120	0.482	No
308	-1015	-4726	-19525	SLV 7	0.57	2474	1.666	1230649	376925	1422093	SLV 11	0.19	158	0.539	No
355	-2877	-4726	-19525	SLV 7	0.57	2474	1.666	1192660	228591	1422093	SLV 11	0.37	718	1.003	Si
402	-4738	-4726	-19525	SLV 7	0.57	2474	1.666	791086	278680	1422093	SLV 9	0.57	2474	1.666	Si
450	-6600	-4726	-19525	SLV 7	0.57	2474	1.666	468637	436955	1422093	SLV 9	0.57	2474	1.666	Si
497	-8461	-4726	-19525	SLV 7	0.57	2474	1.666	58073	-606107	-970824	SLV 7	0.57	2474	1.666	Si
521	-9392	-4726	-19525	SLV 7	0.57	2474	1.666	-180253	-692270	-970824	SLV 7	0.41	984	1.142	Si
568	-11253	-4726	-19525	SLV 7	0.57	2474	1.666	-722990	-866184	-1405620	SLV 7	0.29	407	0.795	No
615	-13115	-4726	-19525	SLV 7	0.49	1553	1.377	-1353843	-1041328	-1873055	SLV 7	0.19	152	0.531	No
663	-14976	-4726	-25009	SLV 7	0.57	2474	1.666	-2003478	-1201412	-2496422	SLV 7	0.16	102	0.451	No
688	-15953	-4726	-25009	SLV 7	0.57	2474	1.666	-2003478	-1201412	-2773209	SLV 7	0.24	259	0.661	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	10003	1660	16673	SLD 9	0.53	1996	3.84	-40976	572482	1422107	SLD 7	0.35	623	2.382	Si
47	9223	1660	16673	SLD 9	0.59	2474	4.193	400769	492012	1422107	SLD 7	0.28	386	1.958	Si
95	7362	1660	16673	SLD 9	0.6	2474	4.193	739187	414385	1422094	SLD 7	0.23	234	1.594	Si
142	5500	1660	19525	SLD 9	0.6	2474	4.193	989489	337194	1422093	SLD 7	0.18	136	1.276	Si
166	4570	1660	19525	SLD 9	0.6	2474	4.193	1081596	298870	1422093	SLD 7	0.16	107	1.157	Si
213	2708	1660	19525	SLD 9	0.6	2474	4.193	1192638	231710	1422093	SLD 7	0.14	82	1.037	No
260	847	1660	19525	SLD 9	0.6	2474	4.193	1192638	231710	1422093	SLD 7	0.14	82	1.037	No
308	-1015	-1660	-19525	SLD 7	0.6	2474	4.193	1230649	166735	1422093	SLD 11	0.16	109	1.166	Si
355	-2877	-1660	-19525	SLD 7	0.6	2474	4.193	1192660	101103	1422093	SLD 11	0.31	469	2.12	Si
402	-4738	-1660	-19525	SLD 7	0.6	2474	4.193	791086	123327	1422093	SLD 9	0.6	2474	4.193	Si
450	-6600	-1660	-19525	SLD 7	0.6	2474	4.193	468637	193366	1422093	SLD 9	0.6	2474	4.193	Si
497	-8461	-1660	-19525	SLD 7	0.6	2474	4.193	58073	-268214	-970824	SLD 7	0.51	1764	3.65	Si
521	-9392	-1660	-19525	SLD 7	0.6	2474	4.193	-180253	-306340	-970824	SLD 7	0.35	638	2.405	Si
568	-11253	-1660	-19525	SLD 7	0.6	2474	4.193	-722990	-383293	-1405620	SLD 7	0.25	277	1.709	Si
615	-13115	-1660	-19525	SLD 7	0.51	1796	3.677	-1353843	-460789	-1873055	SLD 7	0.16	105	1.148	Si
663	-14976	-1660	-25009	SLD 7	0.6	2474	4.193	-2003478	-531621	-2496422	SLD 7	0.13	71	0.978	No
688	-15953	-1660	-25009	SLD 7	0.6	2474	4.193	-2003478	-531621	-2773209	SLD 7	0.2	176	1.419	Si

Campata 2 tra i fili 20 - 9, sezione R 45x70, asta 937

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	11.4	5.4						-2859372	SLU 29	-2642310	-2773209	0.105	Si
23	22.81	5.4	11.4	5.4						-2440064	SLU 29	-2440064	-2773209	0.105	Si
45	20.66	5.4	11.4	5.4						-2044840	SLU 29	-2440064	-2518718	0.1	Si
68	16.54	5.4	11.4	5.4						-1682848	SLU 29	-2153497	-2031098	0.092	No
91	11.09	5.4	11.4	5.4						-1351040	SLU 29	-1782979	-1384619	0.083	No
102	7.6	5.4	11.4	5.4						-1196454	SLU 29	-1609039	-970824	0.078	No
125	7.6	5.4	11.4	5.4						-909920	SLU 29	-1283795	-970824	0.078	No
147	7.6	5.4	11.4	5.4						-653569	SLU 29	-988734	-970824	0.078	No
170	7.6	5.4	11.4	5.4						-427400	SLU 29	-723856	-970824	0.078	Si
193	7.6	5.4	11.4	5.4	-137138	SLU 8	15838	1422093	0.084	-231415	SLU 29	-489161	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	-19489	SLU 8	142127	1422093	0.084	-65613	SLU 29	-284649	-970824	0.078	Si
238	7.6	5.4	11.4	5.4	109083	SLU 22	247904	1422093	0.084	42571	SLU 11	-110320	-970824	0.078	Si
261	7.6	5.4	11.4	5.4	220797	SLU 22	332667	1422093	0.084						Si
272	7.6	5.4	12.93	5.4	268774	SLU 22	367168	1602850	0.087						Si
295	7.6	5.4	14.45	5.4	348966	SLU 22	408789	1784076	0.09						Si
317	7.6	5.4	15.21	5.4	408789	SLU 19	408789	1873491	0.092						Si
340	7.6	5.4	15.21	5.4	447139	SLU 19	433122	1873491	0.092						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	11.4	5.4						-3102701	SLV 5	-2876019	-2773209	0.105	No
23	22.81	5.4	11.4	5.4						-2658917	SLV 5	-2658917	-2773209	0.105	Si
45	20.66	5.4	11.4	5.4						-2228974	SLV 5	-2658917	-2518718	0.1	No
68	16.54	5.4	11.4	5.4						-1822721	SLV 5	-2348076	-2031098	0.092	No
91	11.09	5.4	11.4	5.4						-1437137	SLV 5	-1936039	-1384619	0.083	No
102	7.6	5.4	11.4	5.4						-1252266	SLV 5	-1737722	-970824	0.078	No
125	7.6	5.4	11.4	5.4						-899438	SLV 5	-1356718	-970824	0.078	No
147	7.6	5.4	11.4	5.4						-577439	SLV 9	-997441	-970824	0.078	No
170	7.6	5.4	11.4	5.4	-211096	SLV 5	145570	1422093	0.084	-398192	SLV 11	-661435	-970824	0.078	Si
193	7.6	5.4	11.4	5.4	67629	SLV 5	412459	1422093	0.084	-389234	SLV 11	-425497	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	339420	SLV 5	660773	1422093	0.084	-413751	SLV 11	-478362	-970824	0.078	Si
238	7.6	5.4	11.4	5.4	593189	SLV 5	889475	1422093	0.084	-460656	SLV 11	-552027	-970824	0.078	Si
261	7.6	5.4	11.4	5.4	827489	SLV 5	1098255	1422093	0.084	-528501	SLV 11	-646178	-970824	0.078	Si
272	7.6	5.4	12.93	5.4	937200	SLV 5	1195132	1602850	0.087	-570139	SLV 11	-700895	-971024	0.078	Si
295	7.6	5.4	14.45	5.4	1141630	SLV 5	1327238	1784076	0.09	-668730	SLV 11	-788651	-971182	0.079	Si
317	7.6	5.4	15.21	5.4	1327238	SLV 5	1327238	1873491	0.092	-788651	SLV 11	-788651	-971252	0.079	Si
340	7.6	5.4	15.21	5.4	1490239	SLV 5	1413826	1873491	0.092	-926890	SLV 11	-852940	-971252	0.079	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	11.4	5.4						-2503294	SLD 5	-2318479	-2773209	0.105	Si
23	22.81	5.4	11.4	5.4						-2143433	SLD 5	-2143433	-2773209	0.105	Si
45	20.66	5.4	11.4	5.4						-1798580	SLD 5	-2143433	-2518718	0.1	Si
68	16.54	5.4	11.4	5.4						-1476664	SLD 5	-1893826	-2031098	0.092	Si
91	11.09	5.4	11.4	5.4						-1175159	SLD 5	-1566169	-1384619	0.083	No
102	7.6	5.4	11.4	5.4						-1032135	SLD 5	-1409972	-970824	0.078	No
125	7.6	5.4	11.4	5.4						-762021	SLD 5	-1112944	-970824	0.078	No
147	7.6	5.4	11.4	5.4						-516813	SLD 9	-836793	-970824	0.078	Si
170	7.6	5.4	11.4	5.4						-346042	SLD 11	-582205	-970824	0.078	Si
193	7.6	5.4	11.4	5.4	-59714	SLD 5	178890	1422093	0.084	-261890	SLD 11	-358431	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	129484	SLD 5	343254	1422093	0.084	-203815	SLD 11	-283267	-970824	0.078	Si
238	7.6	5.4	11.4	5.4	299444	SLD 5	487675	1422093	0.084	-166910	SLD 11	-218676	-970824	0.078	Si
261	7.6	5.4	11.4	5.4	449524	SLD 5	612016	1422093	0.084	-150537	SLD 11	-175875	-970824	0.078	Si
272	7.6	5.4	12.93	5.4	517048	SLD 5	666638	1602850	0.087	-149988	SLD 11	-172401	-971024	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
295	7.6	5.4	14.45	5.4	637015	SLD 5	737460	1784076	0.09	-164115	SLD 11	-198873	-971182	0.079	Si
317	7.6	5.4	15.21	5.4	737460	SLD 5	737460	1873491	0.092	-198873	SLD 11	-198873	-971252	0.079	Si
340	7.6	5.4	15.21	5.4	816494	SLD 5	781993	1873491	0.092	-253145	SLD 11	-221107	-971252	0.079	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.54	0	19299	SLU 29	19299	12363	76908	0	12363	1	Si
11	0	12.16	0	18633	SLU 29	18633	11157	76908	0	11157	1	Si
23	0.187	11.09	0	17977	SLU 29	17977	10820	76908	21675	21675	1	Si
45	0.187	7.6	0	16636	SLU 29	16636	9541	76908	21675	21675	1	Si
68	0.187	7.6	0	15304	SLU 29	15304	9541	76908	21675	21675	1	Si
91	0.187	7.6	0	13973	SLU 29	13973	9541	76908	21675	21675	1	Si
102	0.156	7.6	0	13307	SLU 29	13307	9541	76908	18071	18071	1	Si
125	0.156	7.6	0	11975	SLU 29	11975	9541	76908	18071	18071	1	Si
147	0.156	7.6	0	10644	SLU 29	10644	9541	76908	18071	18071	1	Si
170	0.156	7.6	0	9312	SLU 29	9312	9541	76908	18071	18071	1	Si
193	0.156	7.6	0	7981	SLU 29	7981	9541	76908	18071	18071	1	Si
215	0.156	7.6	0	6649	SLU 29	6649	9541	76908	18071	18071	1	Si
238	0.156	11.4	0	5415	SLU 19	5415	10922	76908	18071	18071	1	Si
261	0.115	11.4	0	4488	SLU 19	4488	10922	76908	13338	13338	1	Si
272	0.115	11.4	0	4024	SLU 19	4024	10922	76908	13338	13338	1	Si
295	0.115	11.4	0	3097	SLU 19	3097	10922	76908	13338	13338	1	Si
317	0.115	11.4	0	2163	SLU 19	2163	10922	76908	13338	13338	1	Si
340	0	12.93	0	1243	SLU 19	1243	11387	76908	0	11387	1	Si
340	0	12.93	0	-1119	SLU 12	-1119	-11387	-76908	0	-11387	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.54	0	20183	SLV 5	21926	12363	76908	0	12363	1	Si
11	0	12.16	0	19737	SLV 5	21481	11157	76908	0	11157	1	Si
23	0.187	11.09	0	19298	SLV 5	21041	10820	76908	21675	21675	1	Si
45	0.187	7.6	0	18400	SLV 5	20143	9541	76908	21675	21675	1	Si
68	0.187	7.6	0	17509	SLV 5	19252	9541	76908	21675	21675	1	Si
91	0.187	7.6	0	16617	SLV 5	18361	9541	76908	21675	21675	1	Si
102	0.156	7.6	0	16171	SLV 5	17915	9541	76908	18071	18071	1	Si
125	0.156	7.6	0	15280	SLV 5	17024	9541	76908	18071	18071	1	Si
147	0.156	7.6	0	14389	SLV 5	16132	9541	76908	18071	18071	1	Si
147	0.156	7.6	0	977	SLV 11	-766	-9541	-76908	-18071	-18071	1	Si
170	0.156	7.6	0	13497	SLV 5	15241	9541	76908	18071	18071	1	Si
170	0.156	7.6	0	86	SLV 11	-1657	-9541	-76908	-18071	-18071	1	Si
193	0.156	11.4	0	12606	SLV 5	14349	10922	76908	18071	18071	1	Si
193	0.156	7.6	0	-805	SLV 11	-2549	-9541	-76908	-18071	-18071	1	Si
215	0.156	11.4	0	11715	SLV 5	13458	10922	76908	18071	18071	1	Si
215	0.156	7.6	0	-1697	SLV 11	-3440	-9541	-76908	-18071	-18071	1	Si
238	0.156	11.4	0	10823	SLV 5	12567	10922	76908	18071	18071	1	Si
238	0.156	7.6	0	-2588	SLV 11	-4332	-9541	-76908	-18071	-18071	1	Si
261	0.115	11.4	0	9932	SLV 5	11675	10922	76908	13338	13338	1	Si
261	0.115	7.6	0	-3480	SLV 11	-5223	-9541	-76908	-13338	-13338	1	Si
272	0.115	11.4	0	9486	SLV 5	11229	10922	76908	13338	13338	1	Si
272	0.115	7.6	0	-3925	SLV 11	-5669	-9541	-76908	-13338	-13338	1	Si
295	0.115	11.4	0	8595	SLV 5	10338	10922	76908	13338	13338	1	Si
295	0.115	7.6	0	-4817	SLV 11	-6560	-9541	-76908	-13338	-13338	1	Si
317	0.115	11.4	0	7697	SLV 5	9440	10922	76908	13338	13338	1	Si
317	0.115	7.6	0	-5715	SLV 11	-7458	-9541	-76908	-13338	-13338	1	Si
340	0	12.93	0	6812	SLV 5	8555	11387	76908	0	11387	1	Si
340	0	7.6	0	-6599	SLV 11	-8343	-9541	-76908	0	-9541	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.54	0	16445	SLD 5	16445	12363	76908	0	12363	1	Si
11	0	12.16	0	15999	SLD 5	15999	11157	76908	0	11157	1	Si
23	0.187	11.09	0	15560	SLD 5	15560	10820	76908	21675	21675	1	Si
45	0.187	7.6	0	14662	SLD 5	14662	9541	76908	21675	21675	1	Si
68	0.187	7.6	0	13770	SLD 5	13770	9541	76908	21675	21675	1	Si
91	0.187	7.6	0	12879	SLD 5	12879	9541	76908	21675	21675	1	Si
102	0.156	7.6	0	12433	SLD 5	12433	9541	76908	18071	18071	1	Si
125	0.156	7.6	0	11542	SLD 5	11542	9541	76908	18071	18071	1	Si
147	0.156	7.6	0	10650	SLD 5	10650	9541	76908	18071	18071	1	Si
170	0.156	7.6	0	9759	SLD 5	9759	9541	76908	18071	18071	1	Si
193	0.156	7.6	0	8868	SLD 5	8868	9541	76908	18071	18071	1	Si
215	0.156	11.4	0	7976	SLD 5	7976	10922	76908	18071	18071	1	Si
238	0.156	11.4	0	7085	SLD 5	7085	10922	76908	18071	18071	1	Si
261	0.115	11.4	0	6193	SLD 5	6193	10922	76908	13338	13338	1	Si
272	0.115	11.4	0	5748	SLD 5	5748	10922	76908	13338	13338	1	Si
272	0.115	7.6	0	-187	SLD 11	-187	-9541	-76908	-13338	-13338	1	Si
295	0.115	11.4	0	4856	SLD 5	4856	10922	76908	13338	13338	1	Si
295	0.115	7.6	0	-1078	SLD 11	-1078	-9541	-76908	-13338	-13338	1	Si
317	0.115	11.4	0	3958	SLD 5	3958	10922	76908	13338	13338	1	Si
317	0.115	7.6	0	-1976	SLD 11	-1976	-9541	-76908	-13338	-13338	1	Si
340	0	12.93	0	3074	SLD 5	3074	11387	76908	0	11387	1	Si
340	0	7.6	0	-2861	SLD 11	-2861	-9541	-76908	0	-9541	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-2130566	2	-1969827	53.7	124.5	1501.7	1837	-2027491	2	-1875910	51.2	93.4	0	+∞	Si
23	-1819880	2	-1819880	49.6	124.5	1387.4	1837	-1734247	2	-1734247	47.3	93.4	0	+∞	Si
45	-1526658	2	-1819880	51.2	124.5	1525.2	1837	-1456938	2	-1734247	48.8	93.4	0	+∞	Si
68	-1257681	2	-1607302	48.7	124.5	1667.1	1837	-1201969	2	-1533247	46.4	93.4	0	+∞	Si
91	-1010690	2	-1332114	46.4	124.5	2031.8	1837	-967205	2	-1272570	44.3	93.4	0	+∞	Si
102	-895439	2	-1202765	48.3	124.5	2646.4	1837	-857399	2	-1149809	46.2	93.4	0	+∞	Si
125	-681425	2	-960556	21.6	124.5	333.1	1837	-652943	2	-919439	36.9	93.4	0	+∞	Si
147	-489397	2	-740331	16.6	124.5	256.7	1837	-468691	2	-709275	28.5	93.4	0	+∞	Si
170	-319354	2	-542092	12.2	124.5	188	1837	-304644	2	-519315	20.8	93.4	0	+∞	Si
193	-171296	2	-365838	8.2	124.5	126.9	1837	-160802	2	-349560	14	93.4	0	+∞	Si
215	-45223	2	-211570	4.8	124.5	73.4	1837	-37165	2	-200011	8	93.4	0	+∞	Si
238	78345	4	183096	6.6	124.5	272.6	1837	77370	1	182557	6.6	93.4	0	+∞	Si
261	162919	4	245182	8.9	124.5	365.1	1837	162284	1	244983	8.9	93.4	0	+∞	Si
272	198630	4	269649	9.4	124.5	355.9	1837	198166	1	269621	9.4	93.4	0	+∞	Si
295	256902	4	298061	9.9	124.5	353.4	1837	256778	1	298061	9.9	93.4	0	+∞	Si
317	298061	1	298061	9.8	124.5	336.5	1837	298061	1	298061	9.8	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
340	321398	1	314033	10.3	124.5	354.6	1837	321398	1	314033	10.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.007	-0.008	-0.008	-0.01	-0.007	-0.008	-0.008	-0.009	-0.007	-0.007	-0.019	1	-0.022	1	9999	Si
45	-0.011	-0.013	-0.012	-0.016	-0.012	-0.013	-0.013	-0.015	-0.012	-0.012	-0.033	1	-0.037	1	9999	Si
68	-0.014	-0.016	-0.015	-0.019	-0.014	-0.016	-0.015	-0.018	-0.014	-0.016	-0.04	1	-0.046	1	8471	Si
91	-0.016	-0.018	-0.016	-0.021	-0.016	-0.017	-0.017	-0.019	-0.016	-0.017	-0.043	1	-0.05	1	7833	Si
102	-0.016	-0.018	-0.017	-0.021	-0.016	-0.017	-0.017	-0.02	-0.016	-0.017	-0.044	1	-0.05	1	7742	Si
125	-0.015	-0.018	-0.016	-0.02	-0.016	-0.017	-0.016	-0.019	-0.016	-0.017	-0.043	1	-0.049	1	7892	Si
147	-0.014	-0.017	-0.015	-0.019	-0.014	-0.016	-0.015	-0.018	-0.015	-0.016	-0.04	1	-0.046	1	8445	Si
170	-0.013	-0.015	-0.014	-0.017	-0.013	-0.014	-0.014	-0.016	-0.013	-0.014	-0.036	1	-0.041	1	9442	Si
193	-0.011	-0.013	-0.012	-0.015	-0.011	-0.012	-0.012	-0.014	-0.011	-0.012	-0.031	1	-0.036	1	9999	Si
215	-0.008	-0.01	-0.009	-0.012	-0.009	-0.01	-0.01	-0.011	-0.009	-0.01	-0.025	1	-0.029	1	9999	Si
238	-0.006	-0.008	-0.007	-0.01	-0.006	-0.007	-0.007	-0.009	-0.006	-0.007	-0.019	1	-0.023	1	9999	Si
261	-0.004	-0.005	-0.005	-0.007	-0.004	-0.005	-0.005	-0.007	-0.004	-0.005	-0.014	1	-0.017	1	9999	Si
272	-0.003	-0.004	-0.004	-0.006	-0.003	-0.004	-0.004	-0.005	-0.003	-0.004	-0.011	1	-0.014	1	9999	Si
295	-0.002	-0.003	-0.003	-0.004	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.007	1	-0.008	1	9999	Si
317	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.004	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	12592	8449	21675	SLV 5	0.39	849	1.075	-1734247	-924671	-2773209	SLV 5	0.41	945	1.123	Si
45	11694	8449	21675	SLV 5	0.43	1076	1.184	-1734247	-924671	-2518718	SLV 5	0.31	478	0.849	No
68	10803	8449	21675	SLV 5	0.46	1350	1.3	-1533247	-814829	-2031098	SLV 5	0.23	234	0.634	No
91	9912	8449	21675	SLV 5	0.5	1665	1.417	-1272570	-663468	-1384619	SLV 5	0.06	18	0.221	No
102	9466	8449	18071	SLV 5	0.37	744	1.018	-1149809	-237953	-970824	SLV 1	0	0	0	No
125	8574	8449	18071	SLV 5	0.41	946	1.124	-919439	-437279	-970824	SLV 5	0.04	8	0.159	No
147	7683	8449	18071	SLV 5	0.44	1197	1.237	-709275	-288166	-970824	SLV 5	0.33	563	0.908	No
170	6792	8449	18071	SLV 5	0.48	1488	1.353	-519315	-142120	-970824	SLV 5	0.57	2474	1.666	Si
193	5900	8449	18071	SLV 5	0.51	1824	1.471	-6519	-418978	-970824	SLV 11	0.57	2474	1.666	Si
215	5009	8449	18071	SLV 5	0.55	2204	1.589	91205	-569568	-970824	SLV 11	0.57	2474	1.666	Si
238	4117	8449	18071	SLV 5	0.57	2474	1.666	168724	-720751	-970824	SLV 11	0.56	2340	1.629	Si
261	3226	8449	13338	SLV 5	0.43	1115	1.202	226038	872217	1422093	SLV 5	0.49	1599	1.393	Si
272	2780	8449	13338	SLV 5	0.45	1249	1.259	247119	-948013	-971024	SLV 11	0.46	1345	1.298	Si
295	1889	8449	13338	SLV 5	0.49	1549	1.375	269294	-1057945	-971182	SLV 11	0.42	1056	1.175	Si
317	991	8449	13338	SLV 5	0.52	1896	1.494	269294	-1057945	-971252	SLV 11	0.42	1056	1.175	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	12592	2967	21675	SLD 5	0.41	966	2.851	-1734247	-409186	-2773209	SLD 5	0.34	613	2.366	Si
45	11694	2967	21675	SLD 5	0.45	1243	3.162	-1734247	-409186	-2518718	SLD 5	0.26	325	1.824	Si
68	10803	2967	21675	SLD 5	0.49	1559	3.47	-1533247	-360579	-2031098	SLD 5	0.19	159	1.361	Si
91	9912	2967	21675	SLD 5	0.52	1926	3.784	-1272570	-293598	-1384619	SLD 5	0.05	12	0.472	No
102	9466	2967	18071	SLD 5	0.39	847	2.702	-1149809	-105296	-970824	SLD 1	0	0	0	No
125	8574	2967	18071	SLD 5	0.43	1088	2.994	-919439	-193504	-970824	SLD 5	0.03	5	0.329	No
147	7683	2967	18071	SLD 5	0.47	1382	3.302	-709275	-127519	-970824	SLD 5	0.28	377	1.939	Si
170	6792	2967	18071	SLD 5	0.5	1721	3.613	-124448	-119491	-970824	SLD 11	0.6	2474	4.193	Si
193	5900	2967	18071	SLD 5	0.54	2110	3.928	-6519	-185409	-970824	SLD 11	0.6	2474	4.193	Si
215	5009	2967	18071	SLD 5	0.58	2474	4.193	91205	-252049	-970824	SLD 11	0.56	2267	4.045	Si
238	4117	2967	18071	SLD 5	0.6	2474	4.193	168724	-318951	-970824	SLD 11	0.48	1458	3.376	Si
261	3226	2967	13338	SLD 5	0.45	1287	3.207	226038	385978	1422093	SLD 5	0.42	998	2.89	Si
272	2780	2967	13338	SLD 5	0.47	1442	3.36	247119	-419520	-971024	SLD 11	0.39	849	2.704	Si
295	1889	2967	13338	SLD 5	0.51	1791	3.673	269294	-468167	-971182	SLD 11	0.36	680	2.469	Si
317	991	2967	13338	SLD 5	0.55	2192	3.99	269294	-468167	-971252	SLD 11	0.36	680	2.469	Si

Campata 3 tra i fili 9 - 2, sezione R 45x70, asta 938

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4						-368840	SLU 30	-323552	-971252	0.079	Si
23	7.6	5.4	15.21	5.4						-280827	SLU 30	-280827	-971252	0.079	Si
46	7.6	5.4	15.31	5.4						-194378	SLU 30	-280827	-971258	0.079	Si
69	7.6	5.4	13.19	5.4	-43794	SLU 6	35228	1634798	0.087	-115271	SLU 30	-216328	-971053	0.078	Si
92	7.6	5.4	13.66	5.4	18101	SLU 19	97343	1689679	0.089	-50205	SLU 12	-135791	-971103	0.079	Si
104	7.6	5.4	11.4	5.4	50550	SLU 19	126370	1422093	0.084	-22759	SLU 12	-97554	-970824	0.078	Si
127	7.6	5.4	11.4	5.4	111386	SLU 19	180362	1422093	0.084	29008	SLU 12	-37246	-970824	0.078	Si
150	7.6	5.4	11.4	5.4	166807	SLU 19	228938	1422093	0.084						Si
173	7.6	5.4	11.4	5.4	216813	SLU 19	272098	1422093	0.084						Si
196	7.6	5.4	11.4	5.4	261402	SLU 19	309843	1422093	0.084						Si
219	7.6	5.4	11.4	5.4	300576	SLU 19	342172	1422093	0.084						Si
242	11.84	5.4	11.4	5.4	334335	SLU 19	369085	1422094	0.084						Si
253	12.93	5.4	11.4	5.4	349183	SLU 19	380511	1422094	0.084						Si
276	15.1	5.4	11.4	5.4	374818	SLU 19	399301	1422107	0.084						Si
299	15.21	5.4	11.4	5.4	395037	SLU 19	410074	1422107	0.084						Si
323	15.21	5.4	11.4	5.4	410074	SLU 19	410074	1422107	0.084						Si
345	15.21	5.4	11.4	5.4	419658	SLU 20	415933	1422107	0.084						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	1142321	SLV 7	1060017	1873491	0.092	-1657567	SLV 9	-1507146	-971252	0.079	No
23	7.6	5.4	15.21	5.4	975539	SLV 7	975539	1873491	0.092	-1358494	SLV 9	-1358494	-971252	0.079	No
46	7.6	5.4	15.31	5.4	797221	SLV 7	975539	1885487	0.093	-1050430	SLV 9	-1358494	-971258	0.079	No
69	7.6	5.4	13.19	5.4	618622	SLV 7	843565	1634798	0.087	-753309	SLV 9	-1129702	-971053	0.078	No
92	7.6	5.4	13.66	5.4	436175	SLV 7	666017	1689679	0.089	-460673	SLV 9	-831434	-971103	0.079	Si
104	7.6	5.4	11.4	5.4	343635	SLV 7	575767	1422093	0.084	-316163	SLV 9	-683948	-970824	0.078	Si
127	7.6	5.4	11.4	5.4	157163	SLV 7	392480	1422093	0.084	-31998	SLV 9	-392439	-970824	0.078	Si
150	7.6	5.4	11.4	5.4	269153	SLV 5	614206	1422093	0.084	-54628	SLV 11	-298917	-970824	0.078	Si
173	7.6	5.4	11.4	5.4	542185	SLV 5	885863	1422093	0.084	-246632	SLV 11	-500077	-970824	0.078	Si
196	7.6	5.4	11.4	5.4	814530	SLV 5	1132033	1422093	0.084	-446281	SLV 11	-684081	-970824	0.078	Si
219	7.6	5.4	11.4	5.4	1083955	SLV 5	1419048	1422093	0.084	-651340	SLV 11	-917262	-970824	0.078	Si
242	11.84	5.4	11.4	5.4	1349693	SLV 9	1679778	1422094	0.084	-861045	SLV 7	-1132489	-1474395	0.084	No
253	12.93	5.4	11.4	5.4	1481091	SLV 9	1808622	1422094	0.084	-967551	SLV 7	-1241706	-1603022	0.086	No
276	15.1	5.4	11.4	5.4	1740868	SLV 9	2063239	1422107	0.084	-1183793	SLV 7	-1463319	-1860204	0.09	No

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
299	15.21	5.4	11.4	5.4	1996569	SLV 9	2253561	1422107	0.084	-1404290	SLV 7	-1633962	-1873055	0.09	No
323	15.21	5.4	11.4	5.4	2253561	SLV 9	2253561	1422107	0.084	-1633962	SLV 7	-1633962	-1873055	0.09	No
345	15.21	5.4	11.4	5.4	2495619	SLV 9	2375634	1422107	0.084	-1857928	SLV 7	-1745017	-1873055	0.09	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	361896	SLD 7	344461	1873491	0.092	-877143	SLD 9	-791590	-971252	0.079	Si
23	7.6	5.4	15.21	5.4	324965	SLD 7	324965	1873491	0.092	-707920	SLD 9	-707920	-971252	0.079	Si
46	7.6	5.4	15.31	5.4	282219	SLD 7	324965	1885487	0.093	-535428	SLD 9	-707920	-971258	0.079	Si
69	7.6	5.4	13.19	5.4	236219	SLD 7	293549	1634798	0.087	-370906	SLD 9	-579686	-971053	0.078	Si
92	7.6	5.4	13.66	5.4	186192	SLD 7	248628	1689679	0.089	-210690	SLD 9	-414045	-971103	0.079	Si
104	7.6	5.4	11.4	5.4	159725	SLD 7	224642	1422093	0.084	-132252	SLD 9	-332823	-970824	0.078	Si
127	7.6	5.4	11.4	5.4	104409	SLD 7	216842	1422093	0.084	20755	SLD 9	-173654	-970824	0.078	Si
150	7.6	5.4	11.4	5.4	178870	SLD 5	359666	1422093	0.084	35655	SLD 11	-44378	-970824	0.078	Si
173	7.6	5.4	11.4	5.4	322292	SLD 5	499535	1422093	0.084	-26740	SLD 11	-113749	-970824	0.078	Si
196	7.6	5.4	11.4	5.4	463080	SLD 5	625802	1422093	0.084	-94830	SLD 11	-177850	-970824	0.078	Si
219	7.6	5.4	11.4	5.4	600250	SLD 5	767820	1422093	0.084	-167636	SLD 11	-266034	-970824	0.078	Si
242	11.84	5.4	11.4	5.4	733466	SLD 9	895884	1422094	0.084	-244818	SLD 7	-348595	-1474395	0.084	Si
253	12.93	5.4	11.4	5.4	798552	SLD 9	958371	1422094	0.084	-285012	SLD 7	-391456	-1603022	0.086	Si
276	15.1	5.4	11.4	5.4	925646	SLD 9	1080246	1422107	0.084	-368571	SLD 7	-480326	-1860204	0.09	Si
299	15.21	5.4	11.4	5.4	1048613	SLD 9	1169954	1422107	0.084	-456334	SLD 7	-550355	-1873055	0.09	Si
323	15.21	5.4	11.4	5.4	1169954	SLD 9	1169954	1422107	0.084	-550355	SLD 7	-550355	-1873055	0.09	Si
345	15.21	5.4	11.4	5.4	1282115	SLD 9	1227046	1422107	0.084	-644423	SLD 7	-596429	-1873055	0.09	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4030	SLU 29	4030	9541	76908	0	9541	1	Si
23	0.144	7.6	0	3800	SLU 29	3800	9541	76908	16673	16673	1	Si
46	0.144	7.6	0	3559	SLU 29	3559	9541	76908	16673	16673	1	Si
69	0.144	7.6	0	3324	SLU 29	3324	9541	76908	16673	16673	1	Si
92	0.144	7.6	0	3089	SLU 29	3089	9541	76908	16673	16673	1	Si
104	0.132	7.6	0	2971	SLU 29	2971	9541	76908	15318	15318	1	Si
127	0.132	10.87	0	2735	SLU 29	2735	10749	76908	15318	15318	1	Si
150	0.132	11.4	0	2500	SLU 29	2500	10922	76908	15318	15318	1	Si
173	0.132	11.4	0	2264	SLU 29	2264	10922	76908	15318	15318	1	Si
196	0.132	11.4	0	2029	SLU 29	2029	10922	76908	15318	15318	1	Si
219	0.132	11.4	0	1793	SLU 29	1793	10922	76908	15318	15318	1	Si
242	0.132	11.4	0	1558	SLU 29	1558	10922	76908	15318	15318	1	Si
253	0.129	11.4	0	1440	SLU 29	1440	10922	76908	15005	15005	1	Si
276	0.129	11.4	0	1205	SLU 29	1205	10922	76908	15005	15005	1	Si
299	0.129	11.4	0	969	SLU 29	969	10922	76908	15005	15005	1	Si
323	0.129	11.4	0	729	SLU 29	729	10922	76908	15005	15005	1	Si
345	0	11.4	0	498	SLU 29	498	10922	76908	0	10922	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	13391	SLV 9	16085	9541	76908	0	9541	1	Si
0	0	13.19	0	-7332	SLV 7	-10026	-11466	-76908	0	-11466	1	Si
23	0.144	7.6	0	13213	SLV 9	15907	9541	76908	16673	16673	1	Si
23	0.144	13.66	0	-7509	SLV 7	-10203	-11598	-76908	-16673	-16673	1	Si
46	0.144	7.6	0	13028	SLV 9	15722	9541	76908	16673	16673	1	Si
46	0.144	11.4	0	-7694	SLV 7	-10388	-10922	-76908	-16673	-16673	1	Si
69	0.144	7.6	0	12847	SLV 9	15541	9541	76908	16673	16673	1	Si
69	0.144	11.4	0	-7875	SLV 7	-10569	-10922	-76908	-16673	-16673	1	Si
92	0.144	7.6	0	12666	SLV 9	15360	9541	76908	16673	16673	1	Si
92	0.144	11.4	0	-8056	SLV 7	-10750	-10922	-76908	-16673	-16673	1	Si
104	0.132	7.6	0	12576	SLV 9	15270	9541	76908	15318	15318	1	Si
104	0.132	11.4	0	-8147	SLV 7	-10841	-10922	-76908	-15318	-15318	1	Si
127	0.132	7.6	0	12394	SLV 9	15088	9541	76908	15318	15318	1	Si
127	0.132	10.87	0	-8328	SLV 7	-11022	-10749	-76908	-15318	-15318	1	Si
150	0.132	11.4	0	12213	SLV 9	14907	10922	76908	15318	15318	1	Si
150	0.132	7.6	0	-8509	SLV 7	-11203	-9541	-76908	-15318	-15318	1	Si
173	0.132	11.4	0	12032	SLV 9	14726	10922	76908	15318	15318	1	Si
173	0.132	7.6	0	-8690	SLV 7	-11384	-9541	-76908	-15318	-15318	1	Si
196	0.132	11.4	0	11851	SLV 9	14545	10922	76908	15318	15318	1	Si
196	0.132	7.6	0	-8871	SLV 7	-11565	-9541	-76908	-15318	-15318	1	Si
219	0.132	11.4	0	11670	SLV 9	14364	10922	76908	15318	15318	1	Si
219	0.132	7.6	0	-9053	SLV 7	-11747	-9541	-76908	-15318	-15318	1	Si
242	0.132	11.4	0	11489	SLV 9	14183	10922	76908	15318	15318	1	Si
242	0.132	7.6	0	-9234	SLV 7	-11928	-9541	-76908	-15318	-15318	1	Si
253	0.129	11.4	0	11398	SLV 9	14092	10922	76908	15005	15005	1	Si
253	0.129	7.6	0	-9324	SLV 7	-12018	-9541	-76908	-15005	-15005	1	Si
276	0.129	11.4	0	11217	SLV 9	13911	10922	76908	15005	15005	1	Si
276	0.129	7.6	0	-9505	SLV 7	-12199	-9541	-76908	-15005	-15005	1	Si
299	0.129	11.4	0	11036	SLV 9	13730	10922	76908	15005	15005	1	Si
299	0.129	10.76	0	-9687	SLV 7	-12380	-10712	-76908	-15005	-15005	1	Si
323	0.129	11.4	0	10851	SLV 9	13545	10922	76908	15005	15005	1	Si
323	0.129	12.93	0	-9872	SLV 7	-12566	-11388	-76908	-15005	-15005	1	Si
345	0	11.4	0	10674	SLV 9	13368	10922	76908	0	10922	1	Si
345	0	15.1	0	-10049	SLV 7	-12743	-11992	-76908	0	-11992	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	7615	SLD 9	7615	9541	76908	0	9541	1	Si
0	0	13.19	0	-1556	SLD 7	-1556	-11466	-76908	0	-11466	1	Si
23	0.144	7.6	0	7437	SLD 9	7437	9541	76908	16673	16673	1	Si
23	0.144	13.66	0	-1733	SLD 7	-1733	-11598	-76908	-16673	-16673	1	Si
46	0.144	7.6	0	7252	SLD 9	7252	9541	76908	16673	16673	1	Si
46	0.144	11.4	0	-1918	SLD 7	-1918	-10922	-76908	-16673	-16673	1	Si
69	0.144	7.6	0	7071	SLD 9	7071	9541	76908	16673	16673	1	Si
69	0.144	11.4	0	-2099	SLD 7	-2099	-10922	-76908	-16673	-16673	1	Si
92	0.144	7.6	0	6890	SLD 9	6890	9541	76908	16673	16673	1	Si
92	0.144	11.4	0	-2280	SLD 7	-2280	-10922	-76908	-16673	-16673	1	Si
104	0.132	7.6	0	6799	SLD 9	6799	9541	76908	15318	15318	1	Si
104	0.132	11.4	0	-2371	SLD 7	-2371	-10922	-76908	-15318	-15318	1	Si
127	0.132	10.87	0	6618	SLD 9	6618	10749	76908	15318	15318	1	Si
127	0.132	10.87	0	-2552	SLD 7	-2552	-10749	-76908	-15318	-15318	1	Si
150	0.132	11.4	0	6437	SLD 9	6437	10922	76908	15318	15318	1	Si
150	0.132	11.4	0	-2733	SLD 7	-2733	-10922	-76908	-15318	-15318	1	Si
173	0.132	11.4	0	6256	SLD 9	6256	10922	76908	15318	15318	1	Si
173	0.132	7.6	0	-2914	SLD 7	-2914	-9541	-76908	-15318	-15318	1	Si
196	0.132	11.4	0	6075	SLD 9	6075	10922	76908	15318	15318	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
196	0.132	7.6	0	-3095	SLD 7	-3095	-9541	-76908	-15318	-15318	1	Si
219	0.132	11.4	0	5894	SLD 9	5894	10922	76908	15318	15318	1	Si
219	0.132	7.6	0	-3276	SLD 7	-3276	-9541	-76908	-15318	-15318	1	Si
242	0.132	11.4	0	5713	SLD 9	5713	10922	76908	15318	15318	1	Si
242	0.132	7.6	0	-3458	SLD 7	-3458	-9541	-76908	-15318	-15318	1	Si
253	0.129	11.4	0	5622	SLD 9	5622	10922	76908	15005	15005	1	Si
253	0.129	7.6	0	-3548	SLD 7	-3548	-9541	-76908	-15005	-15005	1	Si
276	0.129	11.4	0	5441	SLD 9	5441	10922	76908	15005	15005	1	Si
276	0.129	7.6	0	-3729	SLD 7	-3729	-9541	-76908	-15005	-15005	1	Si
299	0.129	11.4	0	5260	SLD 9	5260	10922	76908	15005	15005	1	Si
299	0.129	10.76	0	-3910	SLD 7	-3910	-10712	-76908	-15005	-15005	1	Si
323	0.129	11.4	0	5075	SLD 9	5075	10922	76908	15005	15005	1	Si
323	0.129	12.93	0	-4095	SLD 7	-4095	-11388	-76908	-15005	-15005	1	Si
345	0	11.4	0	4898	SLD 9	4898	10922	76908	0	10922	1	Si
345	0	15.1	0	-4273	SLD 7	-4273	-11992	-76908	0	-11992	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-273260	3	-238712	5.1	124.5	81.4	1837	-257623	2	-223565	8.6	93.4	0	+∞	Si
23	-206136	3	-206136	4.4	124.5	70.3	1837	-191478	2	-191478	7.3	93.4	0	+∞	Si
46	-140241	3	-206136	4.4	124.5	70.2	1837	-126604	2	-191478	7.3	93.4	0	+∞	Si
69	-79981	3	-156969	3.5	124.5	54	1837	-67344	2	-143069	5.6	93.4	0	+∞	Si
92	4655	1	66238	2.3	124.5	82.9	1837	4655	1	66238	2.3	93.4	0	+∞	Si
92	-23886	3	-95609	2.1	124.5	32.8	1837	-12249	2	-82709	3.2	93.4	0	+∞	Si
104	29864	1	88815	3.2	124.5	132.2	1837	29864	1	88815	3.2	93.4	0	+∞	Si
127	77158	1	130843	4.8	124.5	194.8	1837	77158	1	130843	4.8	93.4	0	+∞	Si
150	120286	1	168705	6.1	124.5	251.2	1837	120286	1	168705	6.1	93.4	0	+∞	Si
173	159247	1	202402	7.3	124.5	301.4	1837	159247	1	202402	7.3	93.4	0	+∞	Si
196	194043	1	231933	8.4	124.5	345.3	1837	194043	1	231933	8.4	93.4	0	+∞	Si
219	224673	1	257297	9.3	124.5	383.1	1837	224673	1	257297	9.3	93.4	0	+∞	Si
242	251138	1	278496	9.5	124.5	413.3	1837	251138	1	278496	9.5	93.4	0	+∞	Si
253	262808	1	287533	9.7	124.5	426.4	1837	262808	1	287533	9.7	93.4	0	+∞	Si
276	283023	1	302484	9.9	124.5	447.9	1837	283023	1	302484	9.9	93.4	0	+∞	Si
299	299072	1	311147	10.2	124.5	460.7	1837	299072	1	311147	10.2	93.4	0	+∞	Si
323	311147	1	311147	10.2	124.5	460.7	1837	311147	1	311147	10.2	93.4	0	+∞	Si
345	318960	2	315896	10.4	124.5	467.8	1837	318846	2	315896	10.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
23	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
46	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.002	1	9999	Si
69	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.005	1	0.004	1	9999	Si
92	0.003	0.002	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	1	0.006	1	9999	Si
104	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.003	0.004	0.003	0.008	1	0.007	1	9999	Si
127	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.01	1	0.009	1	9999	Si
150	0.005	0.004	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.011	1	0.01	1	9999	Si
173	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.005	0.006	0.005	0.013	1	0.012	1	9999	Si
196	0.006	0.005	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.014	1	0.013	1	9999	Si
207	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.014	1	0.013	1	9999	Si
219	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.014	1	0.013	1	9999	Si
242	0.006	0.005	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	1	0.012	1	9999	Si
253	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.013	1	0.012	1	9999	Si
276	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	1	0.01	1	9999	Si
299	0.004	0.003	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	1	0.008	1	9999	Si
323	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	2852	13055	16673	SLV 9	0.38	817	1.058	-191478	-1167017	-971252	SLV 9	0.25	284	0.686	No
46	2667	13055	16673	SLV 9	0.39	844	1.072	-191478	-1167017	-971258	SLV 9	0.25	284	0.686	No
69	2486	13055	16673	SLV 9	0.39	871	1.086	-143069	-986633	-971053	SLV 9	0.31	467	0.841	No
92	2305	13055	16673	SLV 9	0.4	899	1.1	-82709	-748726	-971103	SLV 9	0.43	1089	1.19	Si
104	2214	13055	15318	SLV 9	0.37	718	1.003	-54091	-629858	-970824	SLV 9	0.52	1876	1.488	Si
127	2033	13055	15318	SLV 9	0.37	742	1.017	21	-392459	-970824	SLV 9	0.57	2474	1.666	Si
150	1852	13055	15318	SLV 9	0.37	767	1.031	157644	-456562	-970824	SLV 11	0.57	2474	1.666	Si
173	1671	13055	15318	SLV 9	0.38	793	1.045	192893	-692970	-970824	SLV 11	0.57	2474	1.666	Si
196	1490	13055	15318	SLV 9	0.38	819	1.059	223976	-908057	-970824	SLV 7	0.47	1432	1.332	Si
219	1309	13055	15318	SLV 9	0.39	845	1.073	250893	1168155	1422093	SLV 9	0.36	716	1.002	Si
242	1128	13055	15318	SLV 9	0.39	872	1.087	273644	1406133	1422094	SLV 9	0.3	440	0.821	No
253	1037	13055	15005	SLV 9	0.39	839	1.07	283458	1525164	1422094	SLV 9	0.28	362	0.758	No
276	856	13055	15005	SLV 9	0.39	866	1.084	299960	1763279	1422107	SLV 9	0.24	255	0.656	No
299	675	13055	15005	SLV 9	0.4	893	1.097	309800	1943761	1422107	SLV 9	0.21	202	0.597	No
323	490	13055	15005	SLV 9	0.4	922	1.112	309800	1943761	1422107	SLV 9	0.21	202	0.597	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	2852	4585	16673	SLD 9	0.4	931	2.809	-191478	-516443	-971252	SLD 9	0.21	193	1.473	Si
46	2667	4585	16673	SLD 9	0.41	962	2.847	-191478	-516443	-971258	SLD 9	0.21	193	1.473	Si
69	2486	4585	16673	SLD 9	0.41	993	2.884	-143069	-436618	-971053	SLD 9	0.26	317	1.806	Si
92	2305	4585	16673	SLD 9	0.42	1029	2.926	-82709	-331336	-971103	SLD 9	0.36	699	2.497	Si
104	2214	4585	15318	SLD 9	0.38	817	2.662	-54091	-278733	-970824	SLD 9	0.44	1172	3.087	Si
127	2033	4585	15318	SLD 9	0.39	844	2.698	21	-173674	-970824	SLD 9	0.6	2474	4.193	Si
150	1852	4585	15318	SLD 9	0.39	873	2.736	157644	-202022	-970824	SLD 11	0.6	2474	4.193	Si
173	1671	4585	15318	SLD 9	0.4	902	2.772	192893	-306642	-970824	SLD 11	0.5	1713	3.606	Si
196	1490	4585	15318	SLD 9	0.4	932	2.81	223976	-401826	-970824	SLD 7	0.4	900	2.77	Si
219	1309	4585	15318	SLD 9	0.41	962	2.847	250893	516927	1422093	SLD 9	0.31	468	2.118	Si
242	1128	4585	15318	SLD 9	0.42	994	2.885	273644	622239	1422094	SLD 9	0.25	299	1.763	Si
253	1037	4585	15005	SLD 9	0.41	955	2.838	283458	674914	1422094	SLD 9	0.23	245	1.625	Si
276	856	4585	15005	SLD 9	0.41	987	2.877	299960	780286	1422107	SLD 9	0.2	174	1.412	Si
299	675	4585	15005	SLD 9	0.42	1021	2.917	309800	860155	1422107	SLD 9	0.18	139	1.288	Si
323	490	4585	15005	SLD 9	0.42	1058	2.96	309800	860155	1422107	SLD 9	0.18	139	1.288	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 44-9A

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 44 - 21, sezione R 45x70, asta 934

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4						-550717	SLU 30	-320941	-1873055	0.09	Si
28	15.21	5.4	11.4	5.4	38757	SLU 19	316952	1422107	0.084	-132236	SLU 12	-132236	-1873055	0.09	Si
47	15.21	5.4	11.4	5.4	231605	SLU 19	568371	1422107	0.084	120918	SLU 18	-132236	-1873055	0.09	Si
95	10.97	5.4	11.4	5.4	787496	SLU 29	1088321	1422094	0.084						Si
142	7.6	5.4	11.4	5.4	1256656	SLU 29	1476643	1422093	0.084						No
189	7.6	5.4	11.4	5.4	1594186	SLU 29	1733336	1422093	0.084						No
213	7.6	5.4	11.4	5.4	1713591	SLU 29	1812322	1422093	0.084						No
260	7.6	5.4	11.4	5.4	1853679	SLU 29	1874362	1422093	0.084						No
308	7.6	5.4	11.4	5.4	1862139	SLU 29	1874362	1422093	0.084						No
355	7.6	5.4	11.4	5.4	1738970	SLU 29	1827310	1422093	0.084						No
402	7.6	5.4	11.4	5.4	1484172	SLU 29	1653350	1422093	0.084						No
450	7.6	5.4	11.4	5.4	1097746	SLU 29	1347761	1422093	0.084						Si
497	7.6	5.4	11.4	5.4	579692	SLU 29	910545	1422093	0.084	216794	SLU 4	-34873	-970824	0.078	Si
544	7.6	5.4	11.4	5.4	-4604	SLU 12	344490	1422093	0.084	-228600	SLU 19	-570302	-970824	0.078	Si
568	7.6	5.4	11.4	5.4	-322423	SLU 12	61476	1422093	0.084	-502540	SLU 19	-951745	-970824	0.078	Si
592	7.6	5.4	11.4	5.4						-851303	SLU 29	-1399273	-970824	0.078	No
615	14.06	5.4	11.4	5.4						-1291319	SLU 29	-1879708	-1737240	0.088	No
663	19.01	5.4	11.4	5.4						-2270073	SLU 29	-2837009	-2323557	0.097	No
688	19.01	5.4	11.4	5.4						-2837009	SLU 29	-2837009	-2323557	0.097	No
710	19.01	5.4	11.4	5.4						-3380456	SLU 29	-3101683	-2323557	0.097	No

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	1040601	SLV 11	1040601	1422107	0.084	-1688943	SLV 5	-1487750	-1873055	0.09	Si
28	15.21	5.4	11.4	5.4	1228871	SLV 11	1396157	1422107	0.084	-1299144	SLV 5	-1299144	-1873055	0.09	Si
47	15.21	5.4	11.4	5.4	1348846	SLV 11	1492777	1422107	0.084	-1033953	SLV 5	-1299144	-1873055	0.09	No
95	10.97	5.4	11.4	5.4	1569465	SLV 11	1659726	1422094	0.084	-467564	SLV 5	-806845	-1371093	0.083	No
142	7.6	5.4	11.4	5.4	1702755	SLV 11	1739672	1422093	0.084	9924	SLV 5	-274721	-970824	0.078	No
189	7.6	5.4	11.4	5.4	1749318	SLV 11	1749318	1422093	0.084						No
213	7.6	5.4	11.4	5.4	1740453	SLV 11	1749318	1422093	0.084						No
260	7.6	5.4	11.4	5.4	1660210	SLV 11	1717380	1422093	0.084						No
308	7.6	5.4	11.4	5.4	1503912	SLV 7	1600214	1422093	0.084						No
355	7.6	5.4	11.4	5.4	1308560	SLV 5	1428188	1422093	0.084						No
402	7.6	5.4	11.4	5.4	1169505	SLV 5	1247749	1422093	0.084						Si
450	7.6	5.4	11.4	5.4	1039642	SLV 5	1123803	1422093	0.084						Si
497	7.6	5.4	11.4	5.4	845186	SLV 5	972060	1422093	0.084	-168947	SLV 11	-535597	-970824	0.078	Si
544	7.6	5.4	11.4	5.4	569511	SLV 5	746927	1422093	0.084	-780434	SLV 11	-1203122	-970824	0.078	No
568	7.6	5.4	11.4	5.4	399797	SLV 5	603375	1422093	0.084	-1120387	SLV 11	-1570674	-970824	0.078	No
592	7.6	5.4	11.4	5.4	208519	SLV 5	438537	1422093	0.084	-1482833	SLV 11	-1960572	-970824	0.078	No
615	14.06	5.4	11.4	5.4	-4450	SLV 5	252182	1422107	0.084	-1867645	SLV 11	-2372736	-1737240	0.088	No
663	19.01	5.4	11.4	5.4						-2704051	SLV 11	-3178907	-2323557	0.097	No
688	19.01	5.4	11.4	5.4						-3178907	SLV 11	-3178907	-2323557	0.097	No
710	19.01	5.4	11.4	5.4						-3629185	SLV 11	-3399689	-2323557	0.097	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	279646	SLD 11	279646	1422107	0.084	-927988	SLD 5	-754665	-1873055	0.09	Si
28	15.21	5.4	11.4	5.4	524095	SLD 11	750685	1422107	0.084	-594368	SLD 5	-594368	-1873055	0.09	Si
47	15.21	5.4	11.4	5.4	684552	SLD 11	887711	1422107	0.084	-369658	SLD 5	-594368	-1873055	0.09	Si
95	10.97	5.4	11.4	5.4	1001559	SLD 11	1150801	1422094	0.084	100341	SLD 5	-179776	-1371093	0.083	Si
142	7.6	5.4	11.4	5.4	1230800	SLD 11	1326268	1422093	0.084						Si
189	7.6	5.4	11.4	5.4	1372540	SLD 11	1414561	1422093	0.084						Si
213	7.6	5.4	11.4	5.4	1410763	SLD 11	1427399	1422093	0.084						No
260	7.6	5.4	11.4	5.4	1422705	SLD 11	1427399	1422093	0.084						No
308	7.6	5.4	11.4	5.4	1351870	SLD 7	1400250	1422093	0.084						Si
355	7.6	5.4	11.4	5.4	1214641	SLD 5	1303501	1422093	0.084						Si
402	7.6	5.4	11.4	5.4	1053228	SLD 5	1153931	1422093	0.084						Si
450	7.6	5.4	11.4	5.4	846730	SLD 5	980239	1422093	0.084						Si
497	7.6	5.4	11.4	5.4	562512	SLD 5	745097	1422093	0.084	113727	SLD 11	-195649	-970824	0.078	Si
544	7.6	5.4	11.4	5.4	193227	SLD 5	428347	1422093	0.084	-404150	SLD 11	-768490	-970824	0.078	Si
568	7.6	5.4	11.4	5.4	-23943	SLD 5	237839	1422093	0.084	-696647	SLD 11	-1088284	-970824	0.078	No
592	7.6	5.4	11.4	5.4	-262936	SLD 5	25630	1422093	0.084	-1011378	SLD 11	-1430246	-970824	0.078	No
615	14.06	5.4	11.4	5.4						-1348287	SLD 11	-1794342	-1737240	0.088	No
663	19.01	5.4	11.4	5.4						-2088497	SLD 11	-2512735	-2323557	0.097	No
688	19.01	5.4	11.4	5.4						-2512735	SLD 11	-2512735	-2323557	0.097	No
710	19.01	5.4	11.4	5.4						-2917093	SLD 11	-2710355	-2323557	0.097	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.21	0	16873	SLU 30	16873	11469	76908	0	11469	1	Si
28	0.144	10.97	0	15258	SLU 30	15258	10783	76908	16673	16673	1	Si
47	0.144	11.4	0	14093	SLU 30	14093	10922	76908	16673	16673	1	Si
95	0.144	11.4	0	11312	SLU 30	11312	10922	76908	16673	16673	1	Si
142	0.166	11.4	0	8531	SLU 30	8531	10922	76908	19301	19301	1	Si
189	0.166	11.4	0	5750	SLU 30	5750	10922	76908	19301	19301	1	Si
213	0.166	11.4	0	4360	SLU 30	4360	10922	76908	19301	19301	1	Si
260	0.166	11.4	0	1579	SLU 30	1579	10922	76908	19301	19301	1	Si
308	0.166	11.4	0	-1410	SLU 19	-1410	-10922	-76908	-19301	-19301	1	Si
355	0.166	11.4	0	-3992	SLU 29	-3992	-10922	-76908	-19301	-19301	1	Si
402	0.166	11.4	0	-6773	SLU 29	-6773	-10922	-76908	-19301	-19301	1	Si
450	0.166	11.4	0	-9554	SLU 29	-9554	-10922	-76908	-19301	-19301	1	Si
497	0.166	11.4	0	-12335	SLU 29	-12335	-10922	-76908	-19301	-19301	1	Si
544	0.166	7.6	0	-15116	SLU 29	-15116	-9541	-76908	-19301	-19301	1	Si
568	0.166	7.6	0	-16506	SLU 29	-16506	-9541	-76908	-19301	-19301	1	Si
615	0.166	7.6	0	-19287	SLU 29	-19287	-9541	-76908	-19301	-19301	1	Si
663	0.215	7.6	0	-22068	SLU 29	-22068	-9541	-76908	-25009	-25009	1	Si
688	0.215	14.06	0	-23527	SLU 29	-23527	-11711	-76908	-25009	-25009	1	Si
710	0	17.41	0	-24848	SLU 29	-24848	-12575	-76908	0	-12575	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.21	0	14798	SLV 5	15758	11469	76908	0	11469	1	Si
28	0.144	10.97	0	13717	SLV 5	14677	10783	76908	16673	16673	1	Si
47	0.144	7.6	0	12937	SLV 5	13897	9541	76908	16673	16673	1	Si
95	0.144	7.6	0	11075	SLV 5	12035	9541	76908	16673	16673	1	Si
142	0.166	11.4	0	9214	SLV 5	10174	10922	76908	19301	19301	1	Si
189	0.166	11.4	0	7352	SLV 5	8312	10922	76908	19301	19301	1	Si
189	0.166	11.4	0	-33	SLV 11	-994	-10922	-76908	-19301	-19301	1	Si
213	0.166	11.4	0	6421	SLV 5	7382	10922	76908	19301	19301	1	Si
213	0.166	11.4	0	-964	SLV 11	-1924	-10922	-76908	-19301	-19301	1	Si
260	0.166	11.4	0	4560	SLV 5	5520	10922	76908	19301	19301	1	Si
260	0.166	11.4	0	-2826	SLV 11	-3786	-10922	-76908	-19301	-19301	1	Si
308	0.166	11.4	0	2698	SLV 5	3659	10922	76908	19301	19301	1	Si
308	0.166	11.4	0	-4687	SLV 11	-5647	-10922	-76908	-19301	-19301	1	Si
355	0.166	11.4	0	837	SLV 5	1797	10922	76908	19301	19301	1	Si
355	0.166	11.4	0	-6549	SLV 11	-7509	-10922	-76908	-19301	-19301	1	Si
402	0.166	11.4	0	-8410	SLV 11	-9370	-10922	-76908	-19301	-19301	1	Si
450	0.166	11.4	0	-10272	SLV 11	-11232	-10922	-76908	-19301	-19301	1	Si
497	0.166	7.6	0	-12133	SLV 11	-13093	-9541	-76908	-19301	-19301	1	Si
544	0.166	7.6	0	-13995	SLV 11	-14955	-9541	-76908	-19301	-19301	1	Si
568	0.166	7.6	0	-14925	SLV 11	-15886	-9541	-76908	-19301	-19301	1	Si
615	0.166	7.6	0	-16787	SLV 11	-17747	-9541	-76908	-19301	-19301	1	Si
663	0.215	7.6	0	-18648	SLV 11	-19609	-9541	-76908	-25009	-25009	1	Si
688	0.215	14.06	0	-19625	SLV 11	-20585	-11711	-76908	-25009	-25009	1	Si
710	0	17.41	0	-20510	SLV 11	-21470	-12575	-76908	0	-12575	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.21	0	12739	SLD 5	12739	11469	76908	0	11469	1	Si
28	0.144	10.97	0	11658	SLD 5	11658	10783	76908	16673	16673	1	Si
47	0.144	7.6	0	10878	SLD 5	10878	9541	76908	16673	16673	1	Si
95	0.144	11.4	0	9016	SLD 5	9016	10922	76908	16673	16673	1	Si
142	0.166	11.4	0	7155	SLD 5	7155	10922	76908	19301	19301	1	Si
189	0.166	11.4	0	5293	SLD 5	5293	10922	76908	19301	19301	1	Si
213	0.166	11.4	0	4363	SLD 5	4363	10922	76908	19301	19301	1	Si
260	0.166	11.4	0	2501	SLD 5	2501	10922	76908	19301	19301	1	Si
260	0.166	11.4	0	-767	SLD 11	-767	-10922	-76908	-19301	-19301	1	Si
308	0.166	11.4	0	640	SLD 5	640	10922	76908	19301	19301	1	Si
308	0.166	11.4	0	-2628	SLD 11	-2628	-10922	-76908	-19301	-19301	1	Si
355	0.166	11.4	0	-4490	SLD 11	-4490	-10922	-76908	-19301	-19301	1	Si
402	0.166	11.4	0	-6351	SLD 11	-6351	-10922	-76908	-19301	-19301	1	Si
450	0.166	11.4	0	-8213	SLD 11	-8213	-10922	-76908	-19301	-19301	1	Si
497	0.166	11.4	0	-10074	SLD 11	-10074	-10922	-76908	-19301	-19301	1	Si
544	0.166	7.6	0	-11936	SLD 11	-11936	-9541	-76908	-19301	-19301	1	Si
568	0.166	7.6	0	-12867	SLD 11	-12867	-9541	-76908	-19301	-19301	1	Si
615	0.166	7.6	0	-14728	SLD 11	-14728	-9541	-76908	-19301	-19301	1	Si
663	0.215	7.6	0	-16590	SLD 11	-16590	-9541	-76908	-25009	-25009	1	Si
688	0.215	14.06	0	-17566	SLD 11	-17566	-11711	-76908	-25009	-25009	1	Si
710	0	17.41	0	-18451	SLD 11	-18451	-12575	-76908	0	-12575	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-382734	3	-216452	6.7	124.5	243.4	1837	-324171	2	-172966	5.4	93.4	0	+∞	Si
28	4507	1	239717	7.9	124.5	355	1837	4507	1	238517	7.8	93.4	0	+∞	Si
28	-64724	3	-64724	2	124.5	72.8	1837	-35137	2	-35137	1.1	93.4	0	+∞	Si
47	168038	1	426109	14	124.5	631	1837	168038	1	407611	13.4	93.4	0	+∞	Si
95	584288	2	801129	27.8	124.5	1189.5	1837	550950	2	747000	25.9	93.4	0	+∞	Si
142	922312	2	1080271	39.2	124.5	1608.4	1837	856340	2	998276	36.2	93.4	0	+∞	Si
189	1164458	2	1263536	45.9	124.5	1881.3	1837	1073615	2	1161437	42.2	93.4	0	+∞	Si
213	1249577	2	1319214	47.9	124.5	1964.2	1837	1149209	2	1209975	43.9	93.4	0	+∞	Si
260	1347907	2	1361117	49.4	124.5	2026.6	1837	1234313	2	1243822	45.2	93.4	0	+∞	Si
308	1350358	2	1361117	49.4	124.5	2026.6	1837	1231303	2	1243822	45.2	93.4	0	+∞	Si
355	1256932	2	1323557	48.1	124.5	1970.6	1837	1140178	2	1204641	43.7	93.4	0	+∞	Si
402	1067628	2	1193135	43.3	124.5	1776.5	1837	960940	2	1079516	39.2	93.4	0	+∞	Si
450	782446	2	966835	35.1	124.5	1439.5	1837	693587	2	866277	31.4	93.4	0	+∞	Si
497	401387	2	644657	23.4	124.5	959.8	1837	338120	2	564924	20.5	93.4	0	+∞	Si
544	-150328	1	-431604	9.7	124.5	149.7	1837	-150328	1	-431604	17.3	93.4	0	+∞	Si
568	-375777	1	-721951	16.2	124.5	250.4	1837	-375777	1	-705384	28.3	93.4	0	+∞	Si
592	-648366	2	-1049785	42.1	124.5	2309.8	1837	-637157	2	-1009303	40.5	93.4	0	+∞	Si
615	-970728	2	-1401588	44.8	124.5	1699.6	1837	-936048	2	-1335251	42.7	93.4	0	+∞	Si
663	-1687360	2	-2102261	60.8	124.5	1908	1837	-1599914	2	-1983981	57.4	93.4	0	+∞	Si
688	-2102261	2	-2102261	60.8	124.5	1908	1837	-1983981	2	-1983981	57.4	93.4	0	+∞	Si
710	-2499870	2	-2295931	66.4	124.5	2083.8	1837	-2351895	2	-2163219	62.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
28	0.019	0.015	0.022	0.014	0.018	0.015	0.019	0.014	0.018	0.015	0.056	2	0.041	2	9999	Si
47	0.034	0.026	0.038	0.024	0.032	0.027	0.033	0.024	0.031	0.027	0.097	2	0.07	2	7312	Si
95	0.067	0.052	0.076	0.046	0.063	0.053	0.066	0.047	0.061	0.053	0.192	2	0.139	2	3693	Si
142	0.097	0.075	0.111	0.066	0.091	0.075	0.095	0.067	0.088	0.075	0.28	2	0.2	2	2537	Si
189	0.121	0.093	0.14	0.083	0.113	0.093	0.12	0.083	0.11	0.094	0.355	2	0.251	2	1999	Si
213	0.13	0.1	0.152	0.089	0.121	0.1	0.13	0.089	0.118	0.1	0.386	2	0.271	2	1842	Si
260	0.143	0.109	0.168	0.097	0.133	0.11	0.143	0.097	0.13	0.11	0.426	2	0.3	2	1666	Si
308	0.148	0.112	0.173	0.098	0.137	0.112	0.147	0.099	0.133	0.112	0.438	2	0.306	2	1623	Si
355	0.144	0.108	0.166	0.094	0.133	0.108	0.141	0.095	0.129	0.108	0.42	2	0.29	2	1690	Si
402	0.132	0.098	0.15	0.085	0.122	0.098	0.127	0.085	0.118	0.098	0.377	2	0.259	2	1882	Si
450	0.114	0.083	0.127	0.071	0.105	0.083	0.107	0.071	0.101	0.083	0.319	2	0.217	2	2227	Si
497	0.09	0.065	0.099	0.054	0.083	0.065	0.083	0.054	0.08	0.065	0.251	2	0.167	2	2833	Si
544	0.064	0.045	0.07	0.035	0.059	0.045	0.058	0.035	0.057	0.045	0.178	2	0.114	2	3993	Si
568	0.051	0.035	0.055	0.026	0.046	0.035	0.045	0.026	0.045	0.035	0.142	2	0.087	2	5015	Si
615	0.027	0.017	0.027	0.01	0.024	0.017	0.021	0.01	0.023	0.017	0.074	2	0.04	2	9608	Si
663	0.009	0.004	0.006	-0.001	0.007	0.004	0.003	-0.001	0.007	0.004	0.021	2	0.006	2	9999	Si
688	0.003	0.001	0	-0.002	0.002	0.001	-0.001	-0.002	0.002	0.001	0.005	2	-0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	10024	4653	16673	SLV 5	0.51	1786	1.458	-35137	1264008	1422107	SLV 11	0.42	1009	1.154	Si
47	9244	4653	16673	SLV 5	0.57	2402	1.646	407611	1085167	1422107	SLV 11	0.34	605	0.935	No
95	7382	4653	16673	SLV 5	0.57	2474	1.666	747000	912726	1422094	SLV 11	0.27	354	0.751	No
142	5521	4653	19301	SLV 5	0.57	2474	1.666	998276	741396	1422093	SLV 11	0.21	202	0.597	No
189	3659	4653	19301	SLV 5	0.57	2474	1.666	1073615	675704	1422093	SLV 11	0.19	163	0.546	No
213	2729	4653	19301	SLV 5	0.57	2474	1.666	1209975	489089	1422093	SLV 11	0.16	114	0.472	No
260	867	4653	19301	SLV 5	0.57	2474	1.666	1190548	526832	1422093	SLV 11	0.17	117	0.477	No
308	-994	-4653	-19301	SLV 11	0.57	2474	1.666	1241652	358562	1422093	SLV 7	0.19	155	0.535	No
355	-2856	-4653	-19301	SLV 11	0.57	2474	1.666	1204641	223546	1422093	SLV 7	0.35	665	0.972	No
402	-4717	-4653	-19301	SLV 11	0.57	2474	1.666	1079516	168233	1422093	SLV 5	0.57	2474	1.666	Si
450	-6579	-4653	-19301	SLV 11	0.57	2474	1.666	483782	443889	1422093	SLV 5	0.57	2474	1.666	Si
497	-8440	-4653	-19301	SLV 11	0.57	2474	1.666	74201	-609798	-970824	SLV 11	0.57	2474	1.666	Si
544	-10302	-4653	-19301	SLV 11	0.57	2474	1.666	-423494	-779628	-970824	SLV 11	0.26	315	0.716	No
568	-11233	-4653	-19301	SLV 11	0.57	2474	1.666	-705384	-865289	-970824	SLV 11	0.12	58	0.358	No
592	-12163	-4653	-19301	SLV 11	0.55	2159	1.576	-1009303	379477	-970824	SLV 1	0	0	0	No
615	-13094	-4653	-19301	SLV 11	0.48	1485	1.352	-1335251	-1037485	-1737240	SLV 11	0.15	91	0.43	No
663	-14956	-4653	-25009	SLV 11	0.57	2474	1.666	-1983981	-1194926	-2323557	SLV 11	0.11	50	0.337	No
688	-15932	-4653	-25009	SLV 11	0.57	2474	1.666	-1983981	-1194926	-2323557	SLV 11	0.11	50	0.337	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	10024	1634	16673	SLD 5	0.54	2065	3.894	-35137	559232	1422107	SLD 11	0.35	652	2.427	Si
47	9244	1634	16673	SLD 5	0.6	2474	4.193	407611	480100	1422107	SLD 11	0.29	402	1.99	Si
95	7382	1634	16673	SLD 5	0.6	2474	4.193	747000	403800	1422094	SLD 11	0.23	241	1.614	Si
142	5521	1634	19301	SLD 5	0.6	2474	4.193	998276	327992	1422093	SLD 11	0.18	139	1.288	Si
189	3659	1634	19301	SLD 5	0.6	2474	4.193	1161437	253124	1422093	SLD 11	0.14	87	1.063	Si
213	2729	1634	19301	SLD 5	0.6	2474	4.193	1202776	224623	1422093	SLD 11	0.14	79	1.022	No
260	867	1634	19301	SLD 5	0.6	2474	4.193	1202776	224623	1422093	SLD 11	0.14	79	1.022	No
308	-994	-1634	-19301	SLD 11	0.6	2474	4.193	1241652	158599	1422093	SLD 7	0.16	107	1.157	Si
355	-2856	-1634	-19301	SLD 11	0.6	2474	4.193	1204641	98860	1422093	SLD 7	0.3	439	2.064	Si
402	-4717	-1634	-19301	SLD 11	0.6	2474	4.193	1079516	74415	1422093	SLD 5	0.6	2474	4.193	Si
450	-6579	-1634	-19301	SLD 11	0.6	2474	4.193	483782	196437	1422093	SLD 5	0.6	2474	4.193	Si
497	-8440	-1634	-19301	SLD 11	0.6	2474	4.193	74201	-269850	-970824	SLD 11	0.51	1809	3.688	Si
544	-10302	-1634	-19301	SLD 11	0.6	2474	4.193	-423494	-344996	-970824	SLD 11	0.22	214	1.537	Si
568	-11233	-1634	-19301	SLD 11	0.6	2474	4.193	-705384	-382899	-970824	SLD 11	0.1	40	0.773	No
592	-12163	-1634	-19301	SLD 11	0.58	2474	4.193	-1009303	167921	-970824	SLD 1	0	0	0	No
615	-13094	-1634	-19301	SLD 11	0.5	1718	3.611	-1335251	-459091	-1737240	SLD 11	0.12	64	0.937	No
663	-14956	-1634	-25009	SLD 11	0.6	2474	4.193	-1983981	-528755	-2323557	SLD 11	0.09	35	0.732	No
688	-15932	-1634	-25009	SLD 11	0.6	2474	4.193	-1983981	-528755	-2323557	SLD 11	0.09	35	0.732	No

Campata 2 tra i fili 21 - 9A, sezione R 45x70, asta 935

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-2762282	SLU 29	-2546190	-2323557	0.097	No
23	19.01	5.4	11.4	5.4						-2344913	SLU 29	-2344913	-2323557	0.097	No
45	18.93	5.4	11.4	5.4						-1951656	SLU 29	-2344913	-2314368	0.097	No
68	15.72	5.4	11.4	5.4						-1591617	SLU 29	-2059762	-1934606	0.091	No
91	12.52	5.4	11.4	5.4						-1261762	SLU 29	-1691197	-1554423	0.085	No
102	7.6	5.4	11.4	5.4						-1108152	SLU 29	-1518232	-970824	0.078	No
125	7.6	5.4	11.4	5.4						-823571	SLU 29	-1194941	-970824	0.078	No
147	7.6	5.4	11.4	5.4						-569173	SLU 29	-901833	-970824	0.078	Si
170	7.6	5.4	11.4	5.4						-344957	SLU 29	-638908	-970824	0.078	Si
193	7.6	5.4	11.4	5.4	-95620	SLU 8	61743	1422093	0.084	-150925	SLU 29	-406166	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	24128	SLU 26	184513	1422093	0.084	8009	SLU 11	-203607	-970824	0.078	Si
238	7.6	5.4	11.4	5.4	152481	SLU 22	286709	1422093	0.084	111789	SLU 11	-31231	-970824	0.078	Si
249	7.6	5.4	11.4	5.4	209174	SLU 22	329927	1422093	0.084						Si
272	7.6	5.4	12.93	5.4	306800	SLU 22	400602	1602850	0.087						Si
295	7.6	5.4	14.45	5.4	383412	SLU 22	439500	1784076	0.09						Si
318	7.6	5.4	15.21	5.4	439500	SLU 19	439500	1873491	0.092						Si
340	7.6	5.4	15.21	5.4	473543	SLU 19	462114	1873491	0.092						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-2914545	SLV 9	-2685936	-2323557	0.097	No
23	19.01	5.4	11.4	5.4						-2476312	SLV 9	-2476312	-2323557	0.097	No
45	18.93	5.4	11.4	5.4						-2052145	SLV 9	-2476312	-2314368	0.097	No
68	15.72	5.4	11.4	5.4						-1651906	SLV 9	-2169614	-1934606	0.091	No
91	12.52	5.4	11.4	5.4						-1272992	SLV 9	-1763497	-1554423	0.085	No
102	7.6	5.4	11.4	5.4						-1092039	SLV 9	-1568302	-970824	0.078	No
125	7.6	5.4	11.4	5.4						-751287	SLV 9	-1194277	-970824	0.078	No
147	7.6	5.4	11.4	5.4	-334081	SLV 5	10707	1422093	0.084	-491432	SLV 11	-845213	-970824	0.078	Si
170	7.6	5.4	11.4	5.4	-69827	SLV 5	289224	1422093	0.084	-431617	SLV 11	-491432	-970824	0.078	Si
193	7.6	5.4	11.4	5.4	212494	SLV 5	551183	1422093	0.084	-430280	SLV 11	-465564	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	479635	SLV 5	794134	1422093	0.084	-454172	SLV 11	-517092	-970824	0.078	Si
238	7.6	5.4	11.4	5.4	728079	SLV 5	1017417	1422093	0.084	-499777	SLV 11	-589362	-970824	0.078	Si
249	7.6	5.4	11.4	5.4	844991	SLV 5	1121599	1422093	0.084	-530423	SLV 11	-633191	-970824	0.078	Si
272	7.6	5.4	12.93	5.4	1063962	SLV 5	1314957	1602850	0.087	-607171	SLV 11	-736150	-971024	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
295	7.6	5.4	14.45	5.4	1262980	SLV 5	1443151	1784076	0.09	-704375	SLV 11	-822913	-971182	0.079	Si
318	7.6	5.4	15.21	5.4	1443151	SLV 5	1443151	1873491	0.092	-822913	SLV 11	-822913	-971252	0.079	Si
340	7.6	5.4	15.21	5.4	1599930	SLV 5	1527103	1873491	0.092	-960680	SLV 11	-886564	-971252	0.079	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-2381529	SLD 9	-2196422	-2323557	0.097	Si
23	19.01	5.4	11.4	5.4						-2025245	SLD 9	-2025245	-2323557	0.097	Si
45	18.93	5.4	11.4	5.4						-1684085	SLD 9	-2025245	-2314368	0.097	Si
68	15.72	5.4	11.4	5.4						-1365959	SLD 9	-1778289	-1934606	0.091	Si
91	12.52	5.4	11.4	5.4						-1068533	SLD 9	-1454380	-1554423	0.085	Si
102	7.6	5.4	11.4	5.4						-927806	SLD 9	-1300130	-970824	0.078	No
125	7.6	5.4	11.4	5.4						-664159	SLD 9	-1007317	-970824	0.078	No
147	7.6	5.4	11.4	5.4						-447548	SLD 11	-736810	-970824	0.078	Si
170	7.6	5.4	11.4	5.4	-170705	SLD 5	87194	1422093	0.084	-330740	SLD 11	-475421	-970824	0.078	Si
193	7.6	5.4	11.4	5.4	33291	SLD 5	267731	1422093	0.084	-251077	SLD 11	-359380	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	219304	SLD 5	428593	1422093	0.084	-193841	SLD 11	-271868	-970824	0.078	Si
238	7.6	5.4	11.4	5.4	385778	SLD 5	569488	1422093	0.084	-157476	SLD 11	-208510	-970824	0.078	Si
249	7.6	5.4	11.4	5.4	461557	SLD 5	632409	1422093	0.084	-146989	SLD 11	-184811	-970824	0.078	Si
272	7.6	5.4	12.93	5.4	598093	SLD 5	743165	1602850	0.087	-141302	SLD 11	-164359	-971024	0.078	Si
295	7.6	5.4	14.45	5.4	714536	SLD 5	811438	1784076	0.09	-155930	SLD 11	-191200	-971182	0.079	Si
318	7.6	5.4	15.21	5.4	811438	SLD 5	811438	1873491	0.092	-191200	SLD 11	-191200	-971252	0.079	Si
340	7.6	5.4	15.21	5.4	886109	SLD 5	854244	1873491	0.092	-246859	SLD 11	-213705	-971252	0.079	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.72	0	19213	SLU 29	19213	12156	76908	0	12156	1	Si
11	0	14.12	0	18547	SLU 29	18547	11728	76908	0	11728	1	Si
23	0.187	12.52	0	17891	SLU 29	17891	11267	76908	21675	21675	1	Si
45	0.187	7.6	0	16550	SLU 29	16550	9541	76908	21675	21675	1	Si
68	0.187	7.6	0	15218	SLU 29	15218	9541	76908	21675	21675	1	Si
91	0.187	7.6	0	13887	SLU 29	13887	9541	76908	21675	21675	1	Si
102	0.156	7.6	0	13221	SLU 29	13221	9541	76908	18071	18071	1	Si
125	0.156	7.6	0	11889	SLU 29	11889	9541	76908	18071	18071	1	Si
147	0.156	7.6	0	10558	SLU 29	10558	9541	76908	18071	18071	1	Si
170	0.156	7.6	0	9226	SLU 29	9226	9541	76908	18071	18071	1	Si
193	0.156	7.6	0	7894	SLU 29	7894	9541	76908	18071	18071	1	Si
215	0.156	11.4	0	6563	SLU 29	6563	10922	76908	18071	18071	1	Si
238	0.156	11.4	0	5276	SLU 20	5276	10922	76908	18071	18071	1	Si
249	0.115	11.4	0	4798	SLU 19	4798	10922	76908	13338	13338	1	Si
272	0.115	11.4	0	3871	SLU 19	3871	10922	76908	13338	13338	1	Si
295	0.115	11.4	0	2944	SLU 19	2944	10922	76908	13338	13338	1	Si
318	0.115	11.4	0	2010	SLU 19	2010	10922	76908	13338	13338	1	Si
318	0.115	11.4	0	-30	SLU 12	-30	-10922	-76908	-13338	-13338	1	Si
340	0	12.93	0	916	SLU 19	916	11387	76908	0	11387	1	Si
340	0	12.93	0	-1403	SLU 12	-1403	-11387	-76908	0	-11387	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.72	0	19948	SLV 5	21654	12156	76908	0	12156	1	Si
11	0	14.12	0	19503	SLV 5	21208	11728	76908	0	11728	1	Si
23	0.187	12.52	0	19064	SLV 5	20769	11267	76908	21675	21675	1	Si
45	0.187	7.6	0	18166	SLV 5	19871	9541	76908	21675	21675	1	Si
68	0.187	7.6	0	17274	SLV 5	18980	9541	76908	21675	21675	1	Si
91	0.187	7.6	0	16383	SLV 5	18089	9541	76908	21675	21675	1	Si
102	0.156	7.6	0	15937	SLV 5	17643	9541	76908	18071	18071	1	Si
125	0.156	7.6	0	15046	SLV 5	16751	9541	76908	18071	18071	1	Si
147	0.156	7.6	0	14154	SLV 5	15860	9541	76908	18071	18071	1	Si
147	0.156	7.6	0	1034	SLV 11	-672	-9541	-76908	-18071	-18071	1	Si
170	0.156	7.6	0	13263	SLV 5	14969	9541	76908	18071	18071	1	Si
170	0.156	7.6	0	143	SLV 11	-1563	-9541	-76908	-18071	-18071	1	Si
193	0.156	11.4	0	12372	SLV 5	14077	10922	76908	18071	18071	1	Si
193	0.156	7.6	0	-749	SLV 11	-2454	-9541	-76908	-18071	-18071	1	Si
215	0.156	11.4	0	11480	SLV 5	13186	10922	76908	18071	18071	1	Si
215	0.156	7.6	0	-1640	SLV 11	-3346	-9541	-76908	-18071	-18071	1	Si
238	0.156	11.4	0	10589	SLV 5	12294	10922	76908	18071	18071	1	Si
238	0.156	7.6	0	-2531	SLV 11	-4237	-9541	-76908	-18071	-18071	1	Si
249	0.115	11.4	0	10143	SLV 5	11849	10922	76908	13338	13338	1	Si
249	0.115	7.6	0	-2977	SLV 11	-4683	-9541	-76908	-13338	-13338	1	Si
272	0.115	11.4	0	9252	SLV 5	10957	10922	76908	13338	13338	1	Si
272	0.115	7.6	0	-3869	SLV 11	-5574	-9541	-76908	-13338	-13338	1	Si
295	0.115	11.4	0	8360	SLV 5	10066	10922	76908	13338	13338	1	Si
295	0.115	7.6	0	-4760	SLV 11	-6466	-9541	-76908	-13338	-13338	1	Si
318	0.115	11.4	0	7462	SLV 5	9168	10922	76908	13338	13338	1	Si
318	0.115	7.6	0	-5658	SLV 11	-7364	-9541	-76908	-13338	-13338	1	Si
340	0	12.93	0	6402	SLV 5	8108	11387	76908	0	11387	1	Si
340	0	7.6	0	-6718	SLV 11	-8424	-9541	-76908	0	-9541	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.72	0	16291	SLD 5	16291	12156	76908	0	12156	1	Si
11	0	14.12	0	15845	SLD 5	15845	11728	76908	0	11728	1	Si
23	0.187	12.52	0	15406	SLD 5	15406	11267	76908	21675	21675	1	Si
45	0.187	7.6	0	14508	SLD 5	14508	9541	76908	21675	21675	1	Si
68	0.187	7.6	0	13617	SLD 5	13617	9541	76908	21675	21675	1	Si
91	0.187	7.6	0	12725	SLD 5	12725	9541	76908	21675	21675	1	Si
102	0.156	7.6	0	12280	SLD 5	12280	9541	76908	18071	18071	1	Si
125	0.156	7.6	0	11388	SLD 5	11388	9541	76908	18071	18071	1	Si
147	0.156	7.6	0	10497	SLD 5	10497	9541	76908	18071	18071	1	Si
170	0.156	7.6	0	9606	SLD 5	9606	9541	76908	18071	18071	1	Si
193	0.156	11.4	0	8714	SLD 5	8714	10922	76908	18071	18071	1	Si
215	0.156	11.4	0	7823	SLD 5	7823	10922	76908	18071	18071	1	Si
238	0.156	11.4	0	6931	SLD 5	6931	10922	76908	18071	18071	1	Si
249	0.115	11.4	0	6486	SLD 5	6486	10922	76908	13338	13338	1	Si
272	0.115	11.4	0	5594	SLD 5	5594	10922	76908	13338	13338	1	Si
272	0.115	7.6	0	-211	SLD 11	-211	-9541	-76908	-13338	-13338	1	Si
295	0.115	11.4	0	4703	SLD 5	4703	10922	76908	13338	13338	1	Si
295	0.115	7.6	0	-1102	SLD 11	-1102	-9541	-76908	-13338	-13338	1	Si
318	0.115	11.4	0	3805	SLD 5	3805	10922	76908	13338	13338	1	Si
318	0.115	7.6	0	-2000	SLD 11	-2000	-9541	-76908	-13338	-13338	1	Si
340	0	12.93	0	2745	SLD 5	2745	11387	76908	0	11387	1	Si
340	0	7.6	0	-3061	SLD 11	-3061	-9541	-76908	0	-9541	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-2058454	2	-1898556	54.9	124.5	1723.1	1837	-1958475	2	-1807893	52.3	93.4	0	+∞	Si
23	-1749449	2	-1749449	50.6	124.5	1587.8	1837	-1667228	2	-1667228	48.2	93.4	0	+∞	Si
45	-1457932	2	-1749449	50.6	124.5	1594	1837	-1391947	2	-1667228	48.3	93.4	0	+∞	Si
68	-1190649	2	-1538098	47.4	124.5	1674.7	1837	-1138990	2	-1467688	45.2	93.4	0	+∞	Si
91	-945352	2	-1264604	42.1	124.5	1715.2	1837	-906239	2	-1209024	40.3	93.4	0	+∞	Si
102	-830947	2	-1136102	45.6	124.5	2499.8	1837	-797440	2	-1087268	43.6	93.4	0	+∞	Si
125	-618627	2	-895586	20.1	124.5	310.6	1837	-594996	2	-858911	34.5	93.4	0	+∞	Si
147	-428292	2	-677055	15.2	124.5	234.8	1837	-412756	2	-650759	26.1	93.4	0	+∞	Si
170	-259943	2	-480509	10.8	124.5	166.6	1837	-250722	2	-462812	18.6	93.4	0	+∞	Si
193	-113578	2	-305949	6.9	124.5	106.1	1837	-108893	2	-295070	11.8	93.4	0	+∞	Si
215	17916	8	141328	5.1	124.5	210.4	1837	15627	1	140107	5.1	93.4	0	+∞	Si
238	116924	4	218378	7.9	124.5	325.1	1837	115585	1	217577	7.9	93.4	0	+∞	Si
249	160117	4	250327	9.1	124.5	372.7	1837	158988	1	249736	9.1	93.4	0	+∞	Si
272	233353	4	301075	10.4	124.5	397.3	1837	232643	1	300903	10.4	93.4	0	+∞	Si
295	289055	4	327538	10.9	124.5	388.3	1837	288764	1	327538	10.9	93.4	0	+∞	Si
318	327538	1	327538	10.7	124.5	369.8	1837	327538	1	327538	10.7	93.4	0	+∞	Si
340	347663	1	342273	11.2	124.5	386.5	1837	347663	1	342273	11.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.006	-0.007	-0.007	-0.009	-0.006	-0.007	-0.007	-0.008	-0.006	-0.007	-0.018	1	-0.021	1	9999	Si
45	-0.011	-0.012	-0.011	-0.015	-0.011	-0.012	-0.012	-0.014	-0.011	-0.011	-0.03	1	-0.034	1	9999	Si
68	-0.013	-0.015	-0.014	-0.017	-0.013	-0.014	-0.014	-0.016	-0.013	-0.014	-0.036	1	-0.041	1	9344	Si
91	-0.014	-0.016	-0.015	-0.018	-0.014	-0.016	-0.015	-0.017	-0.014	-0.015	-0.039	1	-0.044	1	8702	Si
102	-0.014	-0.016	-0.015	-0.019	-0.014	-0.016	-0.015	-0.018	-0.014	-0.015	-0.039	1	-0.044	1	8630	Si
125	-0.014	-0.016	-0.015	-0.018	-0.014	-0.015	-0.015	-0.017	-0.014	-0.015	-0.038	1	-0.043	1	8872	Si
147	-0.013	-0.014	-0.013	-0.017	-0.013	-0.014	-0.014	-0.016	-0.013	-0.014	-0.035	1	-0.04	1	9598	Si
170	-0.011	-0.012	-0.012	-0.015	-0.011	-0.012	-0.012	-0.014	-0.011	-0.012	-0.031	1	-0.035	1	9999	Si
193	-0.009	-0.01	-0.01	-0.012	-0.009	-0.01	-0.01	-0.012	-0.009	-0.01	-0.026	1	-0.03	1	9999	Si
215	-0.007	-0.008	-0.008	-0.01	-0.007	-0.008	-0.008	-0.009	-0.007	-0.008	-0.021	1	-0.024	1	9999	Si
238	-0.005	-0.006	-0.006	-0.008	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.016	1	-0.018	1	9999	Si
249	-0.004	-0.005	-0.005	-0.007	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.013	1	-0.016	1	9999	Si
272	-0.002	-0.003	-0.003	-0.004	-0.002	-0.003	-0.003	-0.004	-0.002	-0.003	-0.009	1	-0.01	1	9999	Si
295	-0.001	-0.002	-0.002	-0.003	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.005	1	-0.006	1	9999	Si
318	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	0	-0.002	1	-0.003	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	12503	8266	21675	SLV 5	0.4	917	1.109	-1667228	-809084	-2323557	SLV 9	0.3	433	0.816	No
45	11606	8266	21675	SLV 5	0.44	1168	1.225	-1667228	-809084	-2314368	SLV 9	0.29	420	0.805	No
68	10714	8266	21675	SLV 5	0.48	1462	1.343	-1467688	-701926	-1934606	SLV 9	0.25	281	0.683	No
91	9823	8266	21675	SLV 5	0.51	1802	1.463	-1209024	-554473	-1554423	SLV 9	0.23	244	0.645	No
102	9377	8266	18071	SLV 5	0.38	805	1.052	-1087268	-82744	-970824	SLV 1	0	0	0	No
125	8486	8266	18071	SLV 5	0.42	1025	1.161	-858911	-335366	-970824	SLV 9	0.13	68	0.382	No
147	7594	8266	18071	SLV 5	0.46	1297	1.279	-650759	-194453	-970824	SLV 9	0.57	2474	1.666	Si
170	6703	8266	18071	SLV 5	0.49	1612	1.398	-108893	-297289	-970824	SLV 7	0.57	2474	1.666	Si
193	5811	8266	18071	SLV 5	0.53	1973	1.519	42809	-508374	-970824	SLV 11	0.57	2474	1.666	Si
215	4920	8266	18071	SLV 5	0.57	2380	1.64	138521	-655613	-970824	SLV 11	0.57	2474	1.666	Si
238	4029	8266	18071	SLV 5	0.57	2474	1.666	214028	-803390	-970824	SLV 11	0.53	1943	1.509	Si
249	3583	8266	13338	SLV 5	0.43	1074	1.184	244204	877395	1422093	SLV 5	0.48	1511	1.361	Si
272	2692	8266	13338	SLV 5	0.46	1354	1.302	289403	-1025553	-971024	SLV 11	0.44	1196	1.237	Si
295	1800	8266	13338	SLV 5	0.5	1677	1.421	310119	-1133032	-971182	SLV 11	0.41	960	1.13	Si
318	902	8266	13338	SLV 5	0.54	2049	1.542	310119	-1133032	-971252	SLV 11	0.41	961	1.131	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	12503	2903	21675	SLD 5	0.42	1051	2.952	-1667228	-358016	-2323557	SLD 9	0.25	295	1.753	Si
45	11606	2903	21675	SLD 5	0.46	1348	3.269	-1667228	-358016	-2314368	SLD 9	0.25	286	1.731	Si
68	10714	2903	21675	SLD 5	0.5	1690	3.586	-1467688	-310601	-1934606	SLD 9	0.21	191	1.467	Si
91	9823	2903	21675	SLD 5	0.54	2084	3.908	-1209024	-245357	-1554423	SLD 9	0.2	166	1.385	Si
102	9377	2903	18071	SLD 5	0.4	916	2.79	-1087268	-36624	-970824	SLD 1	0	0	0	No
125	8486	2903	18071	SLD 5	0.44	1184	3.1	-858911	-148405	-970824	SLD 9	0.11	48	0.833	No
147	7594	2903	18071	SLD 5	0.48	1499	3.414	-650759	-86051	-970824	SLD 9	0.49	1624	3.528	Si
170	6703	2903	18071	SLD 5	0.52	1865	3.734	-73107	-160301	-970824	SLD 11	0.6	2474	4.193	Si
193	5811	2903	18071	SLD 5	0.56	2281	4.056	42809	-224922	-970824	SLD 11	0.59	2474	4.193	Si
215	4920	2903	18071	SLD 5	0.6	2474	4.193	138521	-290072	-970824	SLD 11	0.51	1749	3.637	Si
238	4029	2903	18071	SLD 5	0.6	2474	4.193	214028	-355460	-970824	SLD 11	0.45	1213	3.13	Si
249	3583	2903	13338	SLD 5	0.45	1240	3.159	244204	388205	1422093	SLD 5	0.41	946	2.827	Si
272	2692	2903	13338	SLD 5	0.49	1564	3.474	289403	-453762	-971024	SLD 11	0.37	762	2.587	Si
295	1800	2903	13338	SLD 5	0.53	1940	3.795	310119	-501319	-971182	SLD 11	0.35	623	2.382	Si
318	902	2903	13338	SLD 5	0.56	2370	4.12	310119	-501319	-971252	SLD 11	0.35	623	2.382	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 45-11

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 45 - 35, sezione R 45x70, asta 930

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	5.4	664415	SLU 20	664415	2772667	0.095						Si
19	22.81	5.4	22.81	5.4	677703	SLU 20	677703	2772667	0.095						Si
28	22.81	5.4	22.81	5.4	679794	SLU 29	679897	2772667	0.095						Si
37	22.81	5.4	22.81	5.4	678388	SLU 29	679897	2772667	0.095						Si
56	22	5.4	22.81	5.4	659497	SLU 29	679897	2772664	0.095						Si
65	20.69	5.4	22.81	5.4	642116	SLU 29	678603	2772771	0.096						Si
83	18.08	5.4	22.81	5.4	591481	SLU 29	661220	2772972	0.098						Si
102	11.4	5.4	22.81	5.4	519685	SLU 29	622675	2773209	0.105						Si
120	11.4	5.4	22.81	5.4	426726	SLU 29	562967	2773209	0.105						Si
139	11.4	5.4	22.81	5.4	312604	SLU 29	482097	2773209	0.105						Si
157	11.4	5.4	22.81	5.4	177320	SLU 29	380064	2773209	0.105	95867	SLU 4	-92448	-1422107	0.084	Si
176	11.4	5.4	22.81	5.4	33194	SLU 16	256869	2773209	0.105	-9108	SLU 22	-273301	-1422107	0.084	Si
194	23.33	5.7	22.81	5.4	-88394	SLU 15	113526	2788908	0.098	-166487	SLU 21	-481968	-2818844	0.096	Si
204	25.95	5.8	22.81	5.4	-150319	SLU 15	41786	2792181	0.097	-259373	SLU 21	-595433	-3124863	0.099	Si
222	31.18	5.8	22.81	5.4						-465907	SLU 30	-838233	-3736752	0.106	Si
241	34.21	5.8	22.81	5.4						-696618	SLU 30	-892909	-4090733	0.11	Si
255	34.21	5.8	22.81	5.4						-892909	SLU 30	-892909	-4090733	0.11	Si
259	34.21	5.8	22.81	5.4						-948492	SLU 30	-943694	-4090733	0.11	Si
278	34.21	5.8	22.81	5.4						-1221529	SLU 30	-1049719	-4090733	0.11	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	5.4	3694818	SLV 11	3450026	2772667	0.095	-2715590	SLV 5	-2446198	-2772667	0.095	No
19	22.81	5.4	22.81	5.4	3358246	SLV 11	3332059	2772667	0.095	-2359941	SLV 5	-2331204	-2772667	0.095	No
28	22.81	5.4	22.81	5.4	3189394	SLV 11	3189394	2772667	0.095	-2192135	SLV 5	-2192135	-2772667	0.095	No
37	22.81	5.4	22.81	5.4	3007571	SLV 11	3189394	2772667	0.095	-2018490	SLV 5	-2192135	-2772667	0.095	No
56	22	5.4	22.81	5.4	2642816	SLV 11	3189394	2772664	0.095	-1691259	SLV 5	-2192135	-2676956	0.094	No
65	20.69	5.4	22.81	5.4	2455171	SLV 11	3032808	2772771	0.096	-1532988	SLV 5	-2042565	-2522067	0.093	No
83	18.08	5.4	22.81	5.4	2069389	SLV 11	2669056	2772972	0.098	-1227179	SLV 5	-1714321	-2212302	0.09	Si
102	11.4	5.4	22.81	5.4	1669729	SLV 11	2291264	2773209	0.105	-935792	SLV 5	-1400335	-1422107	0.084	Si
120	11.4	5.4	22.81	5.4	1256500	SLV 11	1899512	2773209	0.105	-659137	SLV 5	-1100691	-1422107	0.084	Si
139	11.4	5.4	22.81	5.4	830647	SLV 7	1493983	2773209	0.105	-398157	SLV 9	-815569	-1422107	0.084	Si
157	11.4	5.4	22.81	5.4	395589	SLV 7	1075170	2773209	0.105	-156273	SLV 9	-545462	-1422107	0.084	Si
176	11.4	5.4	22.81	5.4	105285	SLV 5	644749	2773209	0.105	-87442	SLV 11	-828118	-1422107	0.084	Si
194	23.33	5.7	22.81	5.4	321704	SLV 5	638249	2788908	0.098	-553634	SLV 11	-1320234	-2818844	0.096	Si
204	25.95	5.8	22.81	5.4	425968	SLV 5	732112	2792181	0.097	-793397	SLV 11	-1571830	-3124863	0.099	Si
222	31.18	5.8	22.81	5.4	624803	SLV 5	909468	2799040	0.096	-1284455	SLV 11	-2085875	-3736752	0.106	Si
241	34.21	5.8	22.81	5.4	810067	SLV 5	945164	2803087	0.095	-1790243	SLV 11	-2197240	-4090733	0.11	Si
255	34.21	5.8	22.81	5.4	945164	SLV 5	945164	2803087	0.095	-2197240	SLV 11	-2197240	-4090733	0.11	Si
259	34.21	5.8	22.81	5.4	981453	SLV 5	978218	2803087	0.095	-2310452	SLV 11	-2300570	-4090733	0.11	Si
278	34.21	5.8	22.81	5.4	1138836	SLV 5	1047225	2803087	0.095	-2844958	SLV 11	-2516294	-4090733	0.11	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	5.4	1908042	SLD 11	1806569	2772667	0.095	-928815	SLD 5	-802741	-2772667	0.095	Si
19	22.81	5.4	22.81	5.4	1764413	SLD 11	1753536	2772667	0.095	-766109	SLD 5	-752681	-2772667	0.095	Si
28	22.81	5.4	22.81	5.4	1689399	SLD 11	1689399	2772667	0.095	-692139	SLD 5	-692139	-2772667	0.095	Si
37	22.81	5.4	22.81	5.4	1606655	SLD 11	1689399	2772667	0.095	-617574	SLD 5	-692139	-2772667	0.095	Si
56	22	5.4	22.81	5.4	1434778	SLD 11	1689399	2772664	0.095	-483220	SLD 5	-692139	-2676956	0.094	Si
65	20.69	5.4	22.81	5.4	1343550	SLD 11	1618147	2772771	0.096	-421367	SLD 5	-627905	-2522067	0.093	Si
83	18.08	5.4	22.81	5.4	1150535	SLD 11	1447276	2772972	0.098	-308325	SLD 5	-492540	-2212302	0.09	Si
102	11.4	5.4	22.81	5.4	943491	SLD 11	1262303	2773209	0.105	-209554	SLD 5	-371374	-1422107	0.084	Si
120	11.4	5.4	22.81	5.4	722553	SLD 11	1063264	2773209	0.105	-125190	SLD 5	-264443	-1422107	0.084	Si
139	11.4	5.4	22.81	5.4	488141	SLD 7	850240	2773209	0.105	-55651	SLD 9	-171826	-1422107	0.084	Si
157	11.4	5.4	22.81	5.4	241767	SLD 7	623450	2773209	0.105	-2450	SLD 9	-189555	-1422107	0.084	Si
176	11.4	5.4	22.81	5.4	51563	SLD 5	383634	2773209	0.105	-33719	SLD 11	-474551	-1422107	0.084	Si
194	23.33	5.7	22.81	5.4	77720	SLD 5	133202	2788908	0.098	-309650	SLD 11	-774346	-2818844	0.096	Si
204	25.95	5.8	22.81	5.4	86094	SLD 5	92635	2792181	0.097	-453523	SLD 11	-929652	-3124863	0.099	Si
222	31.18	5.8	22.81	5.4	92635	SLD 5	92635	2799040	0.096	-752287	SLD 11	-1250983	-3736752	0.106	Si
241	34.21	5.8	22.81	5.4	85282	SLD 5	92635	2803087	0.095	-1065458	SLD 11	-1321356	-4090733	0.11	Si
255	34.21	5.8	22.81	5.4	69281	SLD 5	91815	2803087	0.095	-1321356	SLD 11	-1321356	-4090733	0.11	Si
259	34.21	5.8	22.81	5.4	63899	SLD 5	63899	2803087	0.095	-1392898	SLD 11	-1386672	-4090733	0.11	Si
278	34.21	5.8	22.81	5.4	28432	SLD 5	28432	2803087	0.095	-1734554	SLD 11	-1523033	-4090733	0.11	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	1949	SLU 11	1949	13761	76908	0	13761	1	Si
19	0	22.81	0	983	SLU 16	983	13761	76908	0	13761	1	Si
19	0	22.81	0	-616	SLU 22	-616	-13761	-76908	0	-13761	1	Si
28	0.23	22.81	0	541	SLU 16	541	13761	76908	26676	26676	1	Si
28	0.23	22.81	0	-1002	SLU 22	-1002	-13761	-76908	-26676	-26676	1	Si
37	0.23	22.81	0	74	SLU 16	74	13761	76908	26676	26676	1	Si
37	0.23	22.81	0	-1410	SLU 22	-1410	-13761	-76908	-26676	-26676	1	Si
56	0.23	22.81	0	-2203	SLU 22	-2203	-13761	-76908	-26676	-26676	1	Si
65	0.23	22.81	0	-2600	SLU 22	-2600	-13761	-76908	-26676	-26676	1	Si
83	0.23	22.81	0	-3487	SLU 21	-3487	-13761	-76908	-26676	-26676	1	Si
102	0.264	22.81	0	-4536	SLU 21	-4536	-13761	-76908	-30672	-30672	1	Si
120	0.264	22.81	0	-5607	SLU 30	-5607	-13761	-76908	-30672	-30672	1	Si
139	0.264	22.81	0	-6751	SLU 30	-6751	-13761	-76908	-30672	-30672	1	Si
157	0.264	22.81	0	-7895	SLU 30	-7895	-13761	-76908	-30672	-30672	1	Si
176	0.264	22.81	0	-9039	SLU 30	-9039	-13761	-76908	-30672	-30672	1	Si
194	0.302	11.4	0	-10182	SLU 30	-10182	-10894	-76503	-34828	-34828	1	Si
204	0.302	11.4	0	-10754	SLU 30	-10754	-10891	-76463	-34810	-34810	1	Si
222	0.302	11.4	0	-11898	SLU 30	-11898	-10887	-76405	-34784	-34784	1	Si
241	0.302	11.4	0	-13042	SLU 30	-13042	-10885	-76379	-34772	-34772	1	Si
255	0.302	23.33	0	-13939	SLU 30	-13939	-13819	-76379	-34772	-34772	1	Si
259	0	23.33	0	-14186	SLU 30	-14186	-13819	-76379	0	-13819	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
278	0	28.56	0	-15330	SLU 30	-15330	-14783	-76379	0	-14783	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	20.69	0	19614	SLV 5	24480	13321	76908	0	13321	1	Si
0	0	22.81	0	-17819	SLV 11	-22685	-13761	-76908	0	-13761	1	Si
19	0	18.08	0	18849	SLV 5	23716	12734	76908	0	12734	1	Si
19	0	22.81	0	-18583	SLV 11	-23449	-13761	-76908	0	-13761	1	Si
28	0.23	16.77	0	18477	SLV 5	23344	12419	76908	26676	26676	1	Si
28	0.23	22.81	0	-18955	SLV 11	-23821	-13761	-76908	-26676	-26676	1	Si
37	0.23	11.4	0	18085	SLV 5	22951	10922	76908	26676	26676	1	Si
37	0.23	22.81	0	-19348	SLV 11	-24214	-13761	-76908	-26676	-26676	1	Si
56	0.23	11.4	0	17320	SLV 5	22186	10922	76908	26676	26676	1	Si
56	0.23	22.81	0	-20113	SLV 11	-24979	-13761	-76908	-26676	-26676	1	Si
65	0.23	11.4	0	16937	SLV 5	21804	10922	76908	26676	26676	1	Si
65	0.23	22.81	0	-20495	SLV 11	-25361	-13761	-76908	-26676	-26676	1	Si
83	0.23	11.4	0	16172	SLV 5	21039	10922	76908	26676	26676	1	Si
83	0.23	22.81	0	-21260	SLV 11	-26126	-13761	-76908	-26676	-26676	1	Si
102	0.264	11.4	0	15408	SLV 5	20274	10922	76908	30672	30672	1	Si
102	0.264	22.81	0	-22025	SLV 11	-26891	-13761	-76908	-30672	-30672	1	Si
120	0.264	20.72	0	14643	SLV 5	19509	13327	76908	30672	30672	1	Si
120	0.264	22.81	0	-22790	SLV 11	-27656	-13761	-76908	-30672	-30672	1	Si
139	0.264	19.38	0	13878	SLV 5	18744	13034	76908	30672	30672	1	Si
139	0.264	22.81	0	-23554	SLV 11	-28421	-13761	-76908	-30672	-30672	1	Si
157	0.264	16.77	0	13113	SLV 5	17979	12419	76908	30672	30672	1	Si
157	0.264	22.81	0	-24319	SLV 11	-29185	-13761	-76908	-30672	-30672	1	Si
176	0.264	22.81	0	12348	SLV 5	17215	13761	76908	30672	30672	1	Si
176	0.264	11.4	0	-25084	SLV 11	-29950	-10922	-76908	-30672	-30672	1	Si
194	0.302	22.81	0	11584	SLV 5	16450	13761	76908	35013	35013	1	Si
194	0.302	11.4	0	-25849	SLV 11	-30715	-10894	-76503	-34828	-34828	1	Si
204	0.302	22.81	0	11201	SLV 5	16067	13761	76908	35013	35013	1	Si
204	0.302	11.4	0	-26231	SLV 11	-31097	-10891	-76463	-34810	-34810	1	Si
222	0.302	22.81	0	10436	SLV 5	15303	13761	76908	35013	35013	1	Si
222	0.302	11.4	0	-26996	SLV 11	-31862	-10887	-76405	-34784	-34784	1	Si
241	0.302	22.81	0	9672	SLV 5	14538	13761	76908	35013	35013	1	Si
241	0.302	11.4	0	-27761	SLV 11	-32627	-10885	-76379	-34772	-34772	1	Si
255	0.302	22.81	0	9072	SLV 5	13938	13761	76908	35013	35013	1	Si
255	0.302	23.33	0	-28360	SLV 11	-33227	-13819	-76379	-34772	-34772	1	Si
259	0	22.81	0	8907	SLV 5	13773	13761	76908	0	13761	1	Si
259	0	23.33	0	-28526	SLV 11	-33392	-13819	-76379	0	-13819	1	Si
278	0	22.81	0	8142	SLV 5	13008	13761	76908	0	13761	1	Si
278	0	28.56	0	-29290	SLV 11	-34157	-14783	-76379	0	-14783	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	20.69	0	9180	SLD 5	9180	13321	76908	0	13321	1	Si
0	0	22.81	0	-7385	SLD 11	-7385	-13761	-76908	0	-13761	1	Si
19	0	18.08	0	8416	SLD 5	8416	12734	76908	0	12734	1	Si
19	0	22.81	0	-8150	SLD 11	-8150	-13761	-76908	0	-13761	1	Si
28	0.23	16.77	0	8044	SLD 5	8044	12419	76908	26676	26676	1	Si
28	0.23	22.81	0	-8522	SLD 11	-8522	-13761	-76908	-26676	-26676	1	Si
37	0.23	11.4	0	7651	SLD 5	7651	10922	76908	26676	26676	1	Si
37	0.23	22.81	0	-8914	SLD 11	-8914	-13761	-76908	-26676	-26676	1	Si
56	0.23	11.4	0	6886	SLD 5	6886	10922	76908	26676	26676	1	Si
56	0.23	22.81	0	-9679	SLD 11	-9679	-13761	-76908	-26676	-26676	1	Si
65	0.23	11.4	0	6504	SLD 5	6504	10922	76908	26676	26676	1	Si
65	0.23	22.81	0	-10062	SLD 11	-10062	-13761	-76908	-26676	-26676	1	Si
83	0.23	11.4	0	5739	SLD 5	5739	10922	76908	26676	26676	1	Si
83	0.23	22.81	0	-10826	SLD 11	-10826	-13761	-76908	-26676	-26676	1	Si
102	0.264	11.4	0	4974	SLD 5	4974	10922	76908	30672	30672	1	Si
102	0.264	22.81	0	-11591	SLD 11	-11591	-13761	-76908	-30672	-30672	1	Si
120	0.264	20.72	0	4209	SLD 5	4209	13327	76908	30672	30672	1	Si
120	0.264	22.81	0	-12356	SLD 11	-12356	-13761	-76908	-30672	-30672	1	Si
139	0.264	19.38	0	3444	SLD 5	3444	13034	76908	30672	30672	1	Si
139	0.264	22.81	0	-13121	SLD 11	-13121	-13761	-76908	-30672	-30672	1	Si
157	0.264	22.81	0	2680	SLD 5	2680	13761	76908	30672	30672	1	Si
157	0.264	22.81	0	-13886	SLD 11	-13886	-13761	-76908	-30672	-30672	1	Si
176	0.264	22.81	0	1915	SLD 5	1915	13761	76908	30672	30672	1	Si
176	0.264	11.4	0	-14650	SLD 11	-14650	-10922	-76908	-30672	-30672	1	Si
194	0.302	22.81	0	1150	SLD 5	1150	13761	76908	35013	35013	1	Si
194	0.302	11.4	0	-15415	SLD 11	-15415	-10894	-76503	-34828	-34828	1	Si
204	0.302	22.81	0	768	SLD 5	768	13761	76908	35013	35013	1	Si
204	0.302	11.4	0	-15798	SLD 11	-15798	-10891	-76463	-34810	-34810	1	Si
222	0.302	22.81	0	3	SLD 5	3	13761	76908	35013	35013	1	Si
222	0.302	11.4	0	-16562	SLD 11	-16562	-10887	-76405	-34784	-34784	1	Si
241	0.302	11.4	0	-17327	SLD 11	-17327	-10885	-76379	-34772	-34772	1	Si
255	0.302	23.33	0	-17927	SLD 11	-17927	-13819	-76379	-34772	-34772	1	Si
259	0	23.33	0	-18092	SLD 11	-18092	-13819	-76379	0	-13819	1	Si
278	0	28.56	0	-18857	SLD 11	-18857	-14783	-76379	0	-14783	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	500467	2	500467	11.9	124.5	377	1837	489614	2	489614	11.7	93.4	0	+∞	Si
19	514525	2	514525	12.3	124.5	387.6	1837	499152	2	499152	11.9	93.4	0	+∞	Si
28	515742	2	515776	12.3	124.5	388.5	1837	498630	2	498630	11.9	93.4	0	+∞	Si
37	513175	2	515776	12.3	124.5	388.5	1837	494540	2	498630	11.9	93.4	0	+∞	Si
56	496417	2	515776	12.4	124.5	388.8	1837	475779	2	498630	12	93.4	0	+∞	Si
65	482261	2	513546	12.5	124.5	387.5	1837	461092	2	495121	12.1	93.4	0	+∞	Si
83	442391	2	497886	12.5	124.5	376.6	1837	421105	2	477368	12	93.4	0	+∞	Si
102	387113	2	466818	12.7	124.5	355.9	1837	366968	2	445464	12.1	93.4	0	+∞	Si
120	316428	2	420342	11.5	124.5	320.4	1837	298682	2	399411	10.9	93.4	0	+∞	Si
139	230334	2	358458	9.8	124.5	273.3	1837	216245	2	339207	9.2	93.4	0	+∞	Si
157	128833	2	281167	7.7	124.5	214.3	1837	119658	2	264854	7.2	93.4	0	+∞	Si
176	17149	7	188467	5.1	124.5	143.7	1837	8922	2	176350	4.8	93.4	0	+∞	Si
194	-122249	3	-361719	8.6	124.5	270	1837	-115965	2	-340993	8.1	93.4	0	+∞	Si
204	-194251	3	-445826	10.3	124.5	300.9	1837	-183714	2	-419859	9.7	93.4	0	+∞	Si
222	-349812	3	-625596	13.7	124.5	354.8	1837	-329826	2	-588204	12.9	93.4	0	+∞	Si
241	-520780	3	-666040	14.2	124.5	346	1837	-490088	2	-626038	13.4	93.4	0	+∞	Si
255	-666040	3	-666040	14.2	124.5	346	1837	-626038	2	-626038	13.4	93.4	0	+∞	Si
259	-707156	3	-703605	15	124.5	365.6	1837	-664499	2	-661176	14.1	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
278	-908940	3	-782030	16.7	124.5	406.3	1837	-853061	2	-734534	15.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
28	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
37	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.006	2	0.006	2	9999	Si
56	0.005	0.004	0.004	0.003	0.005	0.005	0.004	0.003	0.005	0.005	0.008	2	0.008	2	9999	Si
65	0.006	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.009	2	0.008	2	9999	Si
83	0.006	0.005	0.004	0.004	0.006	0.005	0.004	0.004	0.006	0.005	0.01	2	0.009	2	9999	Si
93	0.006	0.005	0.004	0.004	0.006	0.005	0.004	0.004	0.006	0.005	0.01	2	0.009	2	9999	Si
102	0.006	0.005	0.004	0.004	0.006	0.005	0.004	0.004	0.006	0.005	0.01	2	0.009	2	9999	Si
120	0.006	0.005	0.004	0.004	0.006	0.005	0.004	0.004	0.006	0.005	0.009	2	0.008	2	9999	Si
139	0.005	0.004	0.004	0.003	0.005	0.004	0.003	0.003	0.005	0.004	0.008	2	0.007	2	9999	Si
157	0.004	0.004	0.003	0.002	0.004	0.004	0.003	0.002	0.004	0.004	0.006	2	0.006	2	9999	Si
176	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.004	2	0.004	2	9999	Si
194	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.002	2	9999	Si
204	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
222	0.001	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
241	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
255	0	-0.001	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
259	0	-0.001	0	0	0	-0.001	0	0	0	0	-0.001	1	-0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	-239	-23582	-26676	SLV 11	0.41	940	1.121	498630	2690764	2772667	SLV 11	0.31	474	0.846	No
37	-632	-23582	-26676	SLV 11	0.4	906	1.104	498630	2690764	2772667	SLV 11	0.31	474	0.846	No
56	-1396	-23582	-26676	SLV 11	0.39	843	1.072	498630	2690764	2772664	SLV 11	0.31	474	0.846	No
65	-1779	-23582	-26676	SLV 11	0.38	812	1.055	495121	2537687	2772771	SLV 11	0.33	548	0.898	No
83	-2544	-23582	-26676	SLV 11	0.37	753	1.023	477368	2191688	2772972	SLV 11	0.38	797	1.047	Si
102	-3309	-23582	-30672	SLV 11	0.42	1027	1.162	445464	-1845800	-1422107	SLV 5	0.37	732	1.011	Si
120	-4073	-23582	-30672	SLV 11	0.41	954	1.127	399411	-1500101	-1422107	SLV 5	0.44	1158	1.221	Si
139	-4838	-23582	-30672	SLV 11	0.4	889	1.095	339207	-1154776	-1422107	SLV 5	0.54	2126	1.566	Si
157	-5603	-23582	-30672	SLV 11	0.39	826	1.063	264854	-810316	-1422107	SLV 5	0.57	2474	1.666	Si
176	-6368	-23582	-30672	SLV 11	0.37	766	1.03	-193873	-634245	-1422107	SLV 11	0.57	2474	1.666	Si
194	-7133	-23582	-34828	SLV 11	0.42	1060	1.177	-340993	-979242	-2818844	SLV 11	0.57	2474	1.666	Si
204	-7515	-23582	-34810	SLV 11	0.42	1020	1.159	-419859	-1151971	-3124863	SLV 11	0.57	2474	1.666	Si
222	-8280	-23582	-34784	SLV 11	0.41	946	1.124	-588204	-1497672	-3736752	SLV 11	0.57	2474	1.666	Si
241	-9045	-23582	-34772	SLV 11	0.4	880	1.091	-626038	1571202	2803087	SLV 5	0.57	2474	1.666	Si
255	-9644	-23582	-34772	SLV 11	0.39	831	1.065	-626038	1571202	2803087	SLV 5	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	-239	-8283	-26676	SLD 11	0.43	1081	2.986	498630	1190769	2772667	SLD 11	0.26	322	1.817	Si
37	-632	-8283	-26676	SLD 11	0.42	1037	2.936	498630	1190769	2772667	SLD 11	0.26	322	1.817	Si
56	-1396	-8283	-26676	SLD 11	0.41	959	2.843	498630	1190769	2772664	SLD 11	0.26	322	1.817	Si
65	-1779	-8283	-26676	SLD 11	0.4	924	2.8	495121	1123026	2772771	SLD 11	0.28	367	1.918	Si
83	-2544	-8283	-26676	SLD 11	0.39	857	2.715	477368	969908	2772972	SLD 11	0.32	518	2.209	Si
102	-3309	-8283	-30672	SLD 11	0.44	1186	3.102	445464	-816839	-1422107	SLD 5	0.31	477	2.135	Si
120	-4073	-8283	-30672	SLD 11	0.43	1099	3.006	399411	-663853	-1422107	SLD 5	0.37	740	2.556	Si
139	-4838	-8283	-30672	SLD 11	0.42	1016	2.911	339207	-511033	-1422107	SLD 5	0.46	1326	3.247	Si
157	-5603	-8283	-30672	SLD 11	0.41	940	2.82	264854	-358596	-1422107	SLD 5	0.6	2474	4.193	Si
176	-6368	-8283	-30672	SLD 11	0.39	872	2.734	-193873	-280678	-1422107	SLD 11	0.58	2474	4.193	Si
194	-7133	-8283	-34828	SLD 11	0.45	1224	3.142	-340993	-433353	-2818844	SLD 11	0.6	2474	4.193	Si
204	-7515	-8283	-34810	SLD 11	0.44	1177	3.092	-419859	-509793	-3124863	SLD 11	0.6	2474	4.193	Si
222	-8280	-8283	-34784	SLD 11	0.43	1088	2.994	-588204	-662779	-3736752	SLD 11	0.6	2474	4.193	Si
241	-9045	-8283	-34772	SLD 11	0.42	1004	2.897	-626038	695319	2803087	SLD 5	0.6	2474	4.193	Si
255	-9644	-8283	-34772	SLD 11	0.41	946	2.827	-626038	695319	2803087	SLD 5	0.6	2474	4.193	Si

Campata 2 tra i fili 35 - 28, sezione R 45x70, asta 931

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	34.21	5.8	22.81	5.4						-505188	SLU 30	-453142	-4090733	0.11	Si
12	34.21	5.8	22.81	5.4						-454592	SLU 30	-443027	-4090733	0.11	Si
23	34.21	5.8	22.81	5.4						-416574	SLU 30	-416574	-4090733	0.11	Si
36	34.21	5.8	22.81	5.4						-379371	SLU 30	-416574	-4090733	0.11	Si
47	34.21	5.8	22.81	5.4						-354747	SLU 30	-416574	-4090733	0.11	Si
53	34.21	5.8	22.81	5.4						-345682	SLU 30	-411115	-4090733	0.11	Si
65	34.21	5.8	22.81	5.4						-334043	SLU 30	-378209	-4090733	0.11	Si
77	34.21	5.8	22.81	5.4						-331062	SLU 30	-360582	-4090733	0.11	Si
89	34.21	5.8	22.81	5.4						-336738	SLU 30	-387773	-4090733	0.11	Si
101	34.21	5.8	22.81	5.4						-351072	SLU 30	-424003	-4090733	0.11	Si
112	34.21	5.8	22.81	5.4						-374063	SLU 30	-468891	-4090733	0.11	Si
124	34.21	5.8	22.81	5.4						-406300	SLU 29	-522436	-4090733	0.11	Si
136	34.21	5.8	22.81	5.4						-447235	SLU 29	-530825	-4090733	0.11	Si
142	34.21	5.8	22.81	5.4						-470948	SLU 29	-530825	-4090733	0.11	Si
155	34.21	5.8	22.81	5.4						-530825	SLU 29	-530825	-4090733	0.11	Si
166	34.21	5.8	22.81	5.4						-587446	SLU 29	-571472	-4090733	0.11	Si
178	34.21	5.8	22.81	5.4						-658681	SLU 29	-587014	-4090733	0.11	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	34.21	5.8	22.81	5.4	1846579	SLV 7	1602777	2803087	0.095	-2464242	SLV 9	-2159520	-4090733	0.11	Si
12	34.21	5.8	22.81	5.4	1607676	SLV 7	1543225	2803087	0.095	-2166808	SLV 9	-2088843	-4090733	0.11	Si
23	34.21	5.8	22.81	5.4	1387474	SLV 7	1387474	2803087	0.095	-1903995	SLV 9	-1903995	-4090733	0.11	Si
36	34.21	5.8	22.81	5.4	1113377	SLV 7	1387474	2803087	0.095	-1590178	SLV 9	-1903995	-4090733	0.11	Si
47	34.21	5.8	22.81	5.4	858267	SLV 7	1387474	2803087	0.095	-1311269	SLV 9	-1903995	-4090733	0.11	Si
53	34.21	5.8	22.81	5.4	728827	SLV 7	1352458	2803087	0.095	-1174271	SLV 9	-1862976	-4090733	0.11	Si
65	34.21	5.8	22.81	5.4	466440	SLV 7	1102366	2803087	0.095	-905451	SLV 9	-1578009	-4090733	0.11	Si
77	34.21	5.8	22.81	5.4	199917	SLV 7	847036	2803087	0.095	-644071	SLV 9	-1299383	-4090733	0.11	Si
89	34.21	5.8	22.81	5.4	-69363	SLV 7	586765	2803087	0.095	-391511	SLV 9	-1027392	-4090733	0.11	Si
101	34.21	5.8	22.81	5.4	-70973	SLV 5	513819	2803087	0.095	-418200	SLV 11	-1121777	-4090733	0.11	Si
112	34.21	5.8	22.81	5.4	169141	SLV 5	745403	2803087	0.095	-698189	SLV 11	-1421677	-4090733	0.11	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
124	34.21	5.8	22.81	5.4	406655	SLV 5	972182	2803087	0.095	-987155	SLV 11	-1728349	-4090733	0.11	Si
136	34.21	5.8	22.81	5.4	640270	SLV 5	1003915	2803087	0.095	-1283799	SLV 11	-1772477	-4090733	0.11	Si
142	34.21	5.8	22.81	5.4	755391	SLV 5	1003915	2803087	0.095	-1434776	SLV 11	-1772477	-4090733	0.11	Si
155	34.21	5.8	22.81	5.4	1003915	SLV 5	1003915	2803087	0.095	-1772477	SLV 11	-1772477	-4090733	0.11	Si
166	34.21	5.8	22.81	5.4	1203357	SLV 5	1158956	2803087	0.095	-2055109	SLV 11	-1987575	-4090733	0.11	Si
178	34.21	5.8	22.81	5.4	1419385	SLV 5	1218238	2803087	0.095	-2374686	SLV 11	-2069820	-4090733	0.11	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	34.21	5.8	22.81	5.4	645018	SLD 7	554106	2803087	0.095	-1262680	SLD 9	-1110849	-4090733	0.11	Si
12	34.21	5.8	22.81	5.4	555608	SLD 7	530853	2803087	0.095	-1114740	SLD 9	-1076471	-4090733	0.11	Si
23	34.21	5.8	22.81	5.4	470037	SLD 7	470037	2803087	0.095	-986559	SLD 9	-986559	-4090733	0.11	Si
36	34.21	5.8	22.81	5.4	359810	SLD 7	470037	2803087	0.095	-836611	SLD 9	-986559	-4090733	0.11	Si
47	34.21	5.8	22.81	5.4	253547	SLD 7	470037	2803087	0.095	-706550	SLD 9	-986559	-4090733	0.11	Si
53	34.21	5.8	22.81	5.4	198372	SLD 7	456215	2803087	0.095	-643816	SLD 9	-966732	-4090733	0.11	Si
65	34.21	5.8	22.81	5.4	84049	SLD 7	355260	2803087	0.095	-523060	SLD 9	-830903	-4090733	0.11	Si
77	34.21	5.8	22.81	5.4	-35332	SLD 7	248760	2803087	0.095	-408822	SLD 9	-701107	-4090733	0.11	Si
89	34.21	5.8	22.81	5.4	-159160	SLD 7	136847	2803087	0.095	-301714	SLD 9	-577474	-4090733	0.11	Si
101	34.21	5.8	22.81	5.4	-167757	SLD 5	57928	2803087	0.095	-321416	SLD 11	-665887	-4090733	0.11	Si
112	34.21	5.8	22.81	5.4	-72610	SLD 5	141372	2803087	0.095	-456437	SLD 11	-817645	-4090733	0.11	Si
124	34.21	5.8	22.81	5.4	18158	SLD 5	219462	2803087	0.095	-598657	SLD 11	-975628	-4090733	0.11	Si
136	34.21	5.8	22.81	5.4	103973	SLD 5	230049	2803087	0.095	-747502	SLD 11	-998612	-4090733	0.11	Si
142	34.21	5.8	22.81	5.4	144924	SLD 5	230049	2803087	0.095	-824309	SLD 11	-998612	-4090733	0.11	Si
155	34.21	5.8	22.81	5.4	230049	SLD 5	230049	2803087	0.095	-998612	SLD 11	-998612	-4090733	0.11	Si
166	34.21	5.8	22.81	5.4	295123	SLD 5	281921	2803087	0.095	-1146875	SLD 11	-1110541	-4090733	0.11	Si
178	34.21	5.8	22.81	5.4	361861	SLD 5	301755	2803087	0.095	-1317162	SLD 11	-1153337	-4090733	0.11	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	34.21	0	4642	SLU 30	4642	15699	76379	0	15699	1	Si
12	0	34.21	0	3910	SLU 30	3910	15699	76379	0	15699	1	Si
23	0.281	34.21	0	3250	SLU 30	3250	15699	76379	32366	32366	1	Si
36	0.281	34.21	0	2460	SLU 12	2460	15699	76379	32366	32366	1	Si
47	0.281	34.21	0	1830	SLU 12	1830	15699	76379	32366	32366	1	Si
53	0.281	34.21	0	1514	SLU 12	1514	15699	76379	32366	32366	1	Si
53	0.281	34.21	0	-191	SLU 19	-191	-15699	-76379	-32366	-32366	1	Si
65	0.281	34.21	0	884	SLU 12	884	15699	76379	32366	32366	1	Si
65	0.281	34.21	0	-699	SLU 19	-699	-15699	-76379	-32366	-32366	1	Si
77	0.281	34.21	0	253	SLU 12	253	15699	76379	32366	32366	1	Si
77	0.281	34.21	0	-1206	SLU 19	-1206	-15699	-76379	-32366	-32366	1	Si
89	0.281	34.21	0	-1714	SLU 19	-1714	-15699	-76379	-32366	-32366	1	Si
101	0.281	34.21	0	-2222	SLU 19	-2222	-15699	-76379	-32366	-32366	1	Si
112	0.281	34.21	0	-2729	SLU 19	-2729	-15699	-76379	-32366	-32366	1	Si
124	0.281	34.21	0	-3237	SLU 19	-3237	-15699	-76379	-32366	-32366	1	Si
136	0.281	34.21	0	-3858	SLU 20	-3858	-15699	-76379	-32366	-32366	1	Si
142	0.281	34.21	0	-4193	SLU 20	-4193	-15699	-76379	-32366	-32366	1	Si
155	0.281	34.21	0	-4995	SLU 29	-4995	-15699	-76379	-32366	-32366	1	Si
166	0	34.21	0	-5654	SLU 29	-5654	-15699	-76379	0	-15699	1	Si
178	0	34.21	0	-6386	SLU 29	-6386	-15699	-76379	0	-15699	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	34.21	0	25458	SLV 5	31371	15699	76379	0	15699	1	Si
0	0	22.81	0	-20023	SLV 11	-25936	-13761	-76908	0	-13761	1	Si
12	0	34.21	0	24969	SLV 5	30882	15699	76379	0	15699	1	Si
12	0	22.81	0	-20512	SLV 11	-26425	-13761	-76908	0	-13761	1	Si
23	0.281	34.21	0	24528	SLV 5	30441	15699	76379	32366	32366	1	Si
23	0.281	22.81	0	-20953	SLV 11	-26866	-13761	-76908	-32590	-32590	1	Si
36	0.281	34.21	0	23991	SLV 5	29903	15699	76379	32366	32366	1	Si
36	0.281	22.81	0	-21490	SLV 11	-27403	-13761	-76908	-32590	-32590	1	Si
47	0.281	34.21	0	23502	SLV 5	29414	15699	76379	32366	32366	1	Si
47	0.281	22.81	0	-21980	SLV 11	-27892	-13761	-76908	-32590	-32590	1	Si
53	0.281	34.21	0	23257	SLV 5	29170	15699	76379	32366	32366	1	Si
53	0.281	22.81	0	-22224	SLV 11	-28137	-13761	-76908	-32590	-32590	1	Si
65	0.281	34.21	0	22768	SLV 5	28681	15699	76379	32366	32366	1	Si
65	0.281	22.81	0	-22713	SLV 11	-28626	-13761	-76908	-32590	-32590	1	Si
77	0.281	34.21	0	22279	SLV 5	28191	15699	76379	32366	32366	1	Si
77	0.281	22.81	0	-23203	SLV 11	-29115	-13761	-76908	-32590	-32590	1	Si
89	0.281	34.21	0	21790	SLV 5	27702	15699	76379	32366	32366	1	Si
89	0.281	34.21	0	-23692	SLV 11	-29604	-15699	-76379	-32366	-32366	1	Si
101	0.281	34.21	0	21300	SLV 5	27213	15699	76379	32366	32366	1	Si
101	0.281	34.21	0	-24181	SLV 11	-30094	-15699	-76379	-32366	-32366	1	Si
112	0.281	22.81	0	20811	SLV 5	26724	13761	76908	32590	32590	1	Si
112	0.281	34.21	0	-24670	SLV 11	-30583	-15699	-76379	-32366	-32366	1	Si
124	0.281	22.81	0	20322	SLV 5	26235	13761	76908	32590	32590	1	Si
124	0.281	34.21	0	-25159	SLV 11	-31072	-15699	-76379	-32366	-32366	1	Si
136	0.281	22.81	0	19833	SLV 5	25745	13761	76908	32590	32590	1	Si
136	0.281	34.21	0	-25648	SLV 11	-31561	-15699	-76379	-32366	-32366	1	Si
142	0.281	22.81	0	19588	SLV 5	25501	13761	76908	32590	32590	1	Si
142	0.281	34.21	0	-25893	SLV 11	-31806	-15699	-76379	-32366	-32366	1	Si
155	0.281	22.81	0	19051	SLV 5	24963	13761	76908	32590	32590	1	Si
155	0.281	34.21	0	-26430	SLV 11	-32343	-15699	-76379	-32366	-32366	1	Si
166	0	22.81	0	18610	SLV 5	24523	13761	76908	0	13761	1	Si
166	0	34.21	0	-26871	SLV 11	-32784	-15699	-76379	0	-15699	1	Si
178	0	22.81	0	18121	SLV 5	24033	13761	76908	0	13761	1	Si
178	0	34.21	0	-27361	SLV 11	-33273	-15699	-76379	0	-15699	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	34.21	0	12781	SLD 5	12781	15699	76379	0	15699	1	Si
0	0	22.81	0	-7346	SLD 11	-7346	-13761	-76908	0	-13761	1	Si
12	0	34.21	0	12292	SLD 5	12292	15699	76379	0	15699	1	Si
12	0	22.81	0	-7835	SLD 11	-7835	-13761	-76908	0	-13761	1	Si
23	0.281	34.21	0	11851	SLD 5	11851	15699	76379	32366	32366	1	Si
23	0.281	22.81	0	-8276	SLD 11	-8276	-13761	-76908	-32590	-32590	1	Si
36	0.281	34.21	0	11314	SLD 5	11314	15699	76379	32366	32366	1	Si
36	0.281	22.81	0	-8813	SLD 11	-8813	-13761	-76908	-32590	-32590	1	Si
47	0.281	34.21	0	10825	SLD 5	10825	15699	76379	32366	32366	1	Si
47	0.281	22.81	0	-9303	SLD 11	-9303	-13761	-76908	-32590	-32590	1	Si
53	0.281	34.21	0	10580	SLD 5	10580	15699	76379	32366	32366	1	Si
53	0.281	22.81	0	-9547	SLD 11	-9547	-13761	-76908	-32590	-32590	1	Si
65	0.281	34.21	0	10091	SLD 5	10091	15699	76379	32366	32366	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
65	0.281	22.81	0	-10036	SLD 11	-10036	-13761	-76908	-32590	-32590	1	Si
77	0.281	34.21	0	9602	SLD 5	9602	15699	76379	32366	32366	1	Si
77	0.281	34.21	0	-10526	SLD 11	-10526	-15699	-76379	-32366	-32366	1	Si
89	0.281	34.21	0	9113	SLD 5	9113	15699	76379	32366	32366	1	Si
89	0.281	34.21	0	-11015	SLD 11	-11015	-15699	-76379	-32366	-32366	1	Si
101	0.281	34.21	0	8623	SLD 5	8623	15699	76379	32366	32366	1	Si
101	0.281	34.21	0	-11504	SLD 11	-11504	-15699	-76379	-32366	-32366	1	Si
112	0.281	34.21	0	8134	SLD 5	8134	15699	76379	32366	32366	1	Si
112	0.281	34.21	0	-11993	SLD 11	-11993	-15699	-76379	-32366	-32366	1	Si
124	0.281	22.81	0	7645	SLD 5	7645	13761	76908	32590	32590	1	Si
124	0.281	34.21	0	-12482	SLD 11	-12482	-15699	-76379	-32366	-32366	1	Si
136	0.281	22.81	0	7156	SLD 5	7156	13761	76908	32590	32590	1	Si
136	0.281	34.21	0	-12971	SLD 11	-12971	-15699	-76379	-32366	-32366	1	Si
142	0.281	22.81	0	6911	SLD 5	6911	13761	76908	32590	32590	1	Si
142	0.281	34.21	0	-13216	SLD 11	-13216	-15699	-76379	-32366	-32366	1	Si
155	0.281	22.81	0	6374	SLD 5	6374	13761	76908	32590	32590	1	Si
155	0.281	34.21	0	-13753	SLD 11	-13753	-15699	-76379	-32366	-32366	1	Si
166	0	22.81	0	5933	SLD 5	5933	13761	76908	0	13761	1	Si
166	0	34.21	0	-14194	SLD 11	-14194	-15699	-76379	0	-15699	1	Si
178	0	22.81	0	5444	SLD 5	5444	13761	76908	0	13761	1	Si
178	0	34.21	0	-14684	SLD 11	-14684	-15699	-76379	0	-15699	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-358698	3	-322562	6.9	124.5	167.6	1837	-308831	2	-278371	6	93.4	0	+∞	Si
12	-323709	3	-315684	6.8	124.5	164	1837	-279566	2	-272809	5.8	93.4	0	+∞	Si
23	-297696	3	-297696	6.4	124.5	154.7	1837	-258261	2	-258261	5.5	93.4	0	+∞	Si
36	-272640	3	-297696	6.4	124.5	154.7	1837	-238401	2	-258261	5.5	93.4	0	+∞	Si
47	-256561	3	-297696	6.4	124.5	154.7	1837	-226501	2	-258261	5.5	93.4	0	+∞	Si
53	-250885	3	-293983	6.3	124.5	152.7	1837	-222722	2	-255259	5.5	93.4	0	+∞	Si
65	-244260	3	-271874	5.8	124.5	141.3	1837	-219505	2	-237822	5.1	93.4	0	+∞	Si
77	-243939	3	-269973	5.8	124.5	140.3	1837	-222077	2	-253029	5.4	93.4	0	+∞	Si
89	-249920	3	-291605	6.2	124.5	151.5	1837	-230437	2	-275610	5.9	93.4	0	+∞	Si
101	-262205	3	-319794	6.8	124.5	166.1	1837	-244586	2	-303979	6.5	93.4	0	+∞	Si
112	-280793	3	-354285	7.6	124.5	184.1	1837	-264524	2	-338137	7.2	93.4	0	+∞	Si
124	-306078	2	-395081	8.4	124.5	205.3	1837	-290250	2	-378083	8.1	93.4	0	+∞	Si
136	-337691	2	-401446	8.6	124.5	208.6	1837	-321764	2	-384281	8.2	93.4	0	+∞	Si
142	-355862	2	-401446	8.6	124.5	208.6	1837	-339692	2	-384281	8.2	93.4	0	+∞	Si
155	-401446	2	-401446	8.6	124.5	208.6	1837	-384281	2	-384281	8.2	93.4	0	+∞	Si
166	-444302	2	-432285	9.2	124.5	224.6	1837	-425876	2	-414310	8.9	93.4	0	+∞	Si
178	-497977	2	-444077	9.5	124.5	230.7	1837	-477651	2	-425791	9.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	1	-0.001	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
36	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
47	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	1	-0.003	1	9999	Si
53	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
65	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
77	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
89	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
95	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
101	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
112	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
124	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
136	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
142	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
155	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
166	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1788	28653	32366	SLV 5	0.39	834	1.067	-258261	1645734	2803087	SLV 7	0.57	2474	1.666	Si
36	1250	28653	32366	SLV 5	0.39	870	1.086	-258261	1645734	2803087	SLV 7	0.57	2474	1.666	Si
47	761	28653	32366	SLV 5	0.4	904	1.103	-258261	1645734	2803087	SLV 7	0.57	2474	1.666	Si
53	516	28653	32366	SLV 5	0.4	921	1.111	-255259	1607717	2803087	SLV 7	0.57	2474	1.666	Si
65	27	28653	32366	SLV 5	0.41	956	1.128	-237822	1340187	2803087	SLV 7	0.57	2474	1.666	Si
77	-462	-28653	-32590	SLV 11	0.41	941	1.121	-226173	1073210	2803087	SLV 7	0.57	2474	1.666	Si
89	-951	-28653	-32366	SLV 11	0.4	891	1.096	-220313	807079	2803087	SLV 7	0.57	2474	1.666	Si
101	-1440	-28653	-32366	SLV 11	0.39	857	1.079	-303979	817798	2803087	SLV 5	0.57	2474	1.666	Si
112	-1929	-28653	-32366	SLV 11	0.39	824	1.062	-338137	1083540	2803087	SLV 5	0.57	2474	1.666	Si
124	-2419	-28653	-32366	SLV 11	0.38	792	1.045	-378083	1350266	2803087	SLV 5	0.57	2474	1.666	Si
136	-2908	-28653	-32366	SLV 11	0.37	761	1.028	-384281	1388196	2803087	SLV 5	0.57	2474	1.666	Si
142	-3152	-28653	-32366	SLV 11	0.37	746	1.019	-384281	1388196	2803087	SLV 5	0.57	2474	1.666	Si
155	-3690	-28653	-32366	SLV 11	0.36	713	1.001	-384281	1388196	2803087	SLV 5	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1788	10064	32366	SLD 5	0.41	949	2.831	-258261	728298	2803087	SLD 7	0.55	2252	4.034	Si
36	1250	10064	32366	SLD 5	0.41	992	2.883	-258261	728298	2803087	SLD 7	0.55	2252	4.034	Si
47	761	10064	32366	SLD 5	0.42	1035	2.933	-258261	728298	2803087	SLD 7	0.55	2252	4.034	Si
53	516	10064	32366	SLD 5	0.42	1057	2.959	-255259	711474	2803087	SLD 7	0.57	2392	4.135	Si
65	27	10064	32366	SLD 5	0.43	1101	3.009	-237822	593082	2803087	SLD 7	0.6	2474	4.193	Si
77	-462	-10064	-32366	SLD 11	0.42	1062	2.964	-226173	474934	2803087	SLD 7	0.6	2474	4.193	Si
89	-951	-10064	-32366	SLD 11	0.42	1018	2.913	-220313	357160	2803087	SLD 7	0.6	2474	4.193	Si
101	-1440	-10064	-32366	SLD 11	0.41	975	2.862	-303979	361907	2803087	SLD 5	0.6	2474	4.193	Si
112	-1929	-10064	-32366	SLD 11	0.41	938	2.817	-338137	479509	2803087	SLD 5	0.6	2474	4.193	Si
124	-2419	-10064	-32366	SLD 11	0.4	901	2.771	-378083	597545	2803087	SLD 5	0.6	2474	4.193	Si
136	-2908	-10064	-32366	SLD 11	0.39	866	2.727	-384281	614330	2803087	SLD 5	0.6	2474	4.193	Si
142	-3152	-10064	-32366	SLD 11	0.39	849	2.704	-384281	614330	2803087	SLD 5	0.6	2474	4.193	Si
155	-3690	-10064	-32366	SLD 11	0.38	811	2.654	-384281	614330	2803087	SLD 5	0.6	2474	4.193	Si

Campata 3 tra i fili 28 - 22, sezione R 45x70, asta 932

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	34.21	5.8	22.81	5.4						-334995	SLU 30	-270555	-4090733	0.11	Si
18	34.21	5.8	22.81	5.4						-242510	SLU 30	-240106	-4090733	0.11	Si
23	34.21	5.8	22.81	5.4						-221167	SLU 30	-221167	-4090733	0.11	Si
35	34.21	5.8	22.81	5.4						-169321	SLU 30	-221167	-4090733	0.11	Si
53	34.21	5.8	22.81	5.4						-122624	SLU 21	-214852	-4090733	0.11	Si
71	34.21	5.8	22.81	5.4						-99190	SLU 22	-150195	-4090733	0.11	Si
79	34.21	5.8	22.81	5.4						-104709	SLU 19	-147114	-4090733	0.11	Si
97	34.21	5.8	22.81	5.4						-125949	SLU 19	-190386	-4090733	0.11	Si
115	34.21	5.8	22.81	5.4						-160578	SLU 19	-247475	-4090733	0.11	Si
132	34.21	5.8	22.81	5.4						-208596	SLU 19	-321317	-4090733	0.11	Si
150	34.21	5.8	22.81	5.4						-271777	SLU 24	-408548	-4090733	0.11	Si
168	41.43	6.5	22.81	5.4						-350365	SLU 24	-509168	-4879226	0.138	Si
185	44.76	6.7	22.81	5.4						-442343	SLU 24	-623177	-5231365	0.164	Si
203	48.09	6.9	22.81	5.4						-547710	SLU 24	-750576	-5575117	0.189	Si
212	49.42	6.9	22.81	5.4						-605415	SLU 24	-752596	-5709937	0.199	Si
232	49.42	6.9	22.81	5.4						-752596	SLU 24	-752596	-5709937	0.199	Si
247	49.42	6.9	22.81	5.4						-872265	SLU 33	-840053	-5709937	0.199	Si
265	49.42	6.9	22.81	5.4						-1035017	SLU 33	-878828	-5709937	0.199	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	34.21	5.8	22.81	5.4	2152109	SLV 7	1903776	2803087	0.095	-2554777	SLV 9	-2231534	-4090733	0.11	Si
18	34.21	5.8	22.81	5.4	1755422	SLV 7	1743815	2803087	0.095	-2052101	SLV 9	-2037799	-4090733	0.11	Si
23	34.21	5.8	22.81	5.4	1644317	SLV 7	1644317	2803087	0.095	-1917293	SLV 9	-1917293	-4090733	0.11	Si
35	34.21	5.8	22.81	5.4	1346212	SLV 7	1644317	2803087	0.095	-1562705	SLV 9	-1917293	-4090733	0.11	Si
53	34.21	5.8	22.81	5.4	924818	SLV 7	1611445	2803087	0.095	-1086931	SLV 9	-1877409	-4090733	0.11	Si
71	34.21	5.8	22.81	5.4	492096	SLV 7	1197871	2803087	0.095	-625634	SLV 9	-1392798	-4090733	0.11	Si
79	34.21	5.8	22.81	5.4	272145	SLV 7	986552	2803087	0.095	-401071	SLV 9	-1155637	-4090733	0.11	Si
97	34.21	5.8	22.81	5.4	93248	SLV 5	776057	2803087	0.095	-232306	SLV 11	-988616	-4090733	0.11	Si
115	34.21	5.8	22.81	5.4	509311	SLV 5	1182846	2803087	0.095	-684305	SLV 11	-1473801	-4090733	0.11	Si
132	34.21	5.8	22.81	5.4	921608	SLV 5	1578900	2803087	0.095	-1158342	SLV 11	-1974056	-4090733	0.11	Si
150	34.21	5.8	22.81	5.4	1324873	SLV 5	1962993	2803087	0.095	-1649152	SLV 11	-2488155	-4090733	0.11	Si
168	41.43	6.5	22.81	5.4	1716789	SLV 5	2334656	2861260	0.102	-2154418	SLV 11	-3015628	-4879226	0.138	Si
185	44.76	6.7	22.81	5.4	2096518	SLV 5	2693683	2887831	0.105	-2673301	SLV 11	-3556270	-5231365	0.164	Si
203	48.09	6.9	22.81	5.4	2463721	SLV 5	3039971	2914438	0.109	-3205463	SLV 11	-4109977	-5575117	0.189	No
212	49.42	6.9	22.81	5.4	2642573	SLV 5	3045018	2924843	0.11	-3476471	SLV 11	-4118348	-5709937	0.199	No
232	49.42	6.9	22.81	5.4	3045018	SLV 5	3045018	2924843	0.11	-4118348	SLV 11	-4118348	-5709937	0.199	No
247	49.42	6.9	22.81	5.4	3326078	SLV 5	3240899	2924843	0.11	-4593111	SLV 11	-4457250	-5709937	0.199	No
265	49.42	6.9	22.81	5.4	3648611	SLV 5	3323057	2924843	0.11	-5170919	SLV 11	-4599395	-5709937	0.199	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	34.21	5.8	22.81	5.4	840154	SLD 7	751137	2803087	0.095	-1242822	SLD 9	-1078895	-4090733	0.11	Si
18	34.21	5.8	22.81	5.4	694148	SLD 7	689763	2803087	0.095	-990827	SLD 9	-983747	-4090733	0.11	Si
23	34.21	5.8	22.81	5.4	651586	SLD 7	651586	2803087	0.095	-924563	SLD 9	-924563	-4090733	0.11	Si
35	34.21	5.8	22.81	5.4	535407	SLD 7	651586	2803087	0.095	-751901	SLD 9	-924563	-4090733	0.11	Si
53	34.21	5.8	22.81	5.4	364082	SLD 7	638994	2803087	0.095	-526195	SLD 9	-904958	-4090733	0.11	Si
71	34.21	5.8	22.81	5.4	180551	SLD 7	475772	2803087	0.095	-314089	SLD 9	-670699	-4090733	0.11	Si
79	34.21	5.8	22.81	5.4	84499	SLD 7	389458	2803087	0.095	-213425	SLD 9	-558544	-4090733	0.11	Si
97	34.21	5.8	22.81	5.4	2498	SLD 5	284184	2803087	0.095	-141556	SLD 11	-496743	-4090733	0.11	Si
115	34.21	5.8	22.81	5.4	176609	SLD 5	442352	2803087	0.095	-351603	SLD 11	-733307	-4090733	0.11	Si
132	34.21	5.8	22.81	5.4	341857	SLD 5	588577	2803087	0.095	-578591	SLD 11	-983733	-4090733	0.11	Si
150	34.21	5.8	22.81	5.4	495916	SLD 5	722316	2803087	0.095	-820195	SLD 11	-1247477	-4090733	0.11	Si
168	41.43	6.5	22.81	5.4	637759	SLD 5	843361	2861260	0.102	-1075388	SLD 11	-1524333	-4879226	0.138	Si
185	44.76	6.7	22.81	5.4	767017	SLD 5	951622	2887831	0.105	-1343800	SLD 11	-1814209	-5231365	0.164	Si
203	48.09	6.9	22.81	5.4	883539	SLD 5	1047053	2914438	0.109	-1625280	SLD 11	-2117059	-5575117	0.189	Si
212	49.42	6.9	22.81	5.4	937001	SLD 5	1048360	2924843	0.11	-1770898	SLD 11	-2121690	-5709937	0.199	Si
232	49.42	6.9	22.81	5.4	1048360	SLD 5	1048360	2924843	0.11	-2121690	SLD 11	-2121690	-5709937	0.199	Si
247	49.42	6.9	22.81	5.4	1118749	SLD 5	1095180	2924843	0.11	-2385782	SLD 11	-2311532	-5709937	0.199	Si
265	49.42	6.9	22.81	5.4	1190329	SLD 5	1114818	2924843	0.11	-2712636	SLD 11	-2391156	-5709937	0.199	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	34.21	0	5781	SLU 30	5781	15699	76379	0	15699	1	Si
18	0	34.21	0	4689	SLU 30	4689	15699	76379	0	15699	1	Si
23	0.34	34.21	0	4390	SLU 30	4390	15699	76379	39187	39187	1	Si
35	0.34	34.21	0	3597	SLU 30	3597	15699	76379	39187	39187	1	Si
53	0.34	34.21	0	2551	SLU 12	2551	15699	76379	39187	39187	1	Si
71	0.34	34.21	0	1609	SLU 12	1609	15699	76379	39187	39187	1	Si
71	0.34	34.21	0	-659	SLU 24	-659	-15699	-76379	-39187	-39187	1	Si
79	0.34	34.21	0	1139	SLU 12	1139	15699	76379	39187	39187	1	Si
79	0.34	34.21	0	-1038	SLU 24	-1038	-15699	-76379	-39187	-39187	1	Si
97	0.34	34.21	0	197	SLU 12	197	15699	76379	39187	39187	1	Si
97	0.34	34.21	0	-1796	SLU 24	-1796	-15699	-76379	-39187	-39187	1	Si
115	0.34	34.21	0	-2554	SLU 24	-2554	-15699	-76379	-39187	-39187	1	Si
132	0.34	34.21	0	-3312	SLU 24	-3312	-15699	-76379	-39187	-39187	1	Si
150	0.34	34.21	0	-4120	SLU 33	-4120	-15699	-76379	-39187	-39187	1	Si
168	0.34	34.21	0	-4968	SLU 33	-4968	-15625	-75642	-38809	-38809	1	Si
185	0.34	34.21	0	-5896	SLU 34	-5896	-15599	-75382	-38676	-38676	1	Si
203	0.34	34.21	0	-6915	SLU 34	-6915	-15576	-75158	-38561	-38561	1	Si
212	0.34	34.21	0	-7424	SLU 34	-7424	-15568	-75077	-38519	-38519	1	Si
232	0.34	41.43	0	-8620	SLU 29	-8620	-16593	-75077	-38519	-38519	1	Si
247	0	44.76	0	-9537	SLU 29	-9537	-17027	-75077	0	-17027	1	Si
265	0	48.09	0	-10630	SLU 29	-10630	-17439	-75077	0	-17439	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	34.21	0	28863	SLV 9	35492	15699	76379	0	15699	1	Si
0	0	22.81	0	-22133	SLV 7	-28762	-13761	-76908	0	-13761	1	Si
18	0	34.21	0	28132	SLV 9	34762	15699	76379	0	15699	1	Si
18	0	22.81	0	-22863	SLV 7	-29493	-13761	-76908	0	-13761	1	Si
23	0.34	34.21	0	27932	SLV 9	34562	15699	76379	39187	39187	1	Si
23	0.34	22.81	0	-23063	SLV 7	-29692	-13761	-76908	-39459	-39459	1	Si
35	0.34	34.21	0	27402	SLV 9	34031	15699	76379	39187	39187	1	Si
35	0.34	22.81	0	-23594	SLV 7	-30223	-13761	-76908	-39459	-39459	1	Si
53	0.34	34.21	0	26672	SLV 9	33301	15699	76379	39187	39187	1	Si
53	0.34	22.81	0	-24324	SLV 7	-30953	-13761	-76908	-39459	-39459	1	Si
71	0.34	34.21	0	25941	SLV 9	32571	15699	76379	39187	39187	1	Si
71	0.34	22.81	0	-25054	SLV 7	-31684	-13761	-76908	-39459	-39459	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
79	0.34	34.21	0	25576	SLV 9	32206	15699	76379	39187	39187	1	Si
79	0.34	22.81	0	-25419	SLV 7	-32049	-13761	-76908	-39459	-39459	1	Si
97	0.34	22.81	0	24846	SLV 9	31475	13761	76908	39459	39459	1	Si
97	0.34	34.21	0	-26150	SLV 7	-32779	-15699	-76379	-39187	-39187	1	Si
115	0.34	22.81	0	24116	SLV 9	30745	13761	76908	39459	39459	1	Si
115	0.34	34.21	0	-26880	SLV 7	-33509	-15699	-76379	-39187	-39187	1	Si
132	0.34	22.81	0	23385	SLV 9	30015	13761	76908	39459	39459	1	Si
132	0.34	34.21	0	-27610	SLV 7	-34240	-15699	-76379	-39187	-39187	1	Si
150	0.34	22.81	0	22655	SLV 9	29284	13761	76908	39459	39459	1	Si
150	0.34	34.21	0	-28341	SLV 7	-34970	-15699	-76379	-39187	-39187	1	Si
168	0.34	22.81	0	21925	SLV 9	28554	13761	76908	39459	39459	1	Si
168	0.34	34.21	0	-29071	SLV 7	-35700	-15625	-75642	-38809	-38809	1	Si
185	0.34	22.81	0	21194	SLV 9	27824	13761	76908	39459	39459	1	Si
185	0.34	34.21	0	-29801	SLV 7	-36431	-15599	-75382	-38676	-38676	1	Si
203	0.34	22.81	0	20464	SLV 9	27093	13761	76908	39459	39459	1	Si
203	0.34	34.21	0	-30532	SLV 7	-37161	-15576	-75158	-38561	-38561	1	Si
212	0.34	22.81	0	20099	SLV 9	26728	13761	76908	39459	39459	1	Si
212	0.34	34.21	0	-30897	SLV 7	-37526	-15568	-75077	-38519	-38519	1	Si
232	0.34	22.81	0	19251	SLV 9	25881	13761	76908	39459	39459	1	Si
232	0.34	41.43	0	-31744	SLV 7	-38374	-16593	-75077	-38519	-38519	1	Si
238	0	22.81	0	19003	SLV 9	25633	13761	76908	0	13761	1	Si
238	0	43.09	0	-31992	SLV 7	-38622	-16813	-75077	0	-16813	1	Si
247	0	22.81	0	18638	SLV 9	25268	13761	76908	0	13761	1	Si
247	0	44.76	0	-32357	SLV 7	-38987	-17027	-75077	0	-17027	1	Si
265	0	22.81	0	17908	SLV 9	24537	13761	76908	0	13761	1	Si
265	0	48.09	0	-33088	SLV 7	-39717	-17439	-75077	0	-17439	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	34.21	0	14649	SLD 9	14649	15699	76379	0	15699	1	Si
0	0	22.81	0	-7919	SLD 7	-7919	-13761	-76908	0	-13761	1	Si
18	0	34.21	0	13918	SLD 9	13918	15699	76379	0	15699	1	Si
18	0	22.81	0	-8649	SLD 7	-8649	-13761	-76908	0	-13761	1	Si
23	0.34	34.21	0	13718	SLD 9	13718	15699	76379	39187	39187	1	Si
23	0.34	22.81	0	-8849	SLD 7	-8849	-13761	-76908	-39459	-39459	1	Si
35	0.34	34.21	0	13188	SLD 9	13188	15699	76379	39187	39187	1	Si
35	0.34	22.81	0	-9379	SLD 7	-9379	-13761	-76908	-39459	-39459	1	Si
53	0.34	34.21	0	12458	SLD 9	12458	15699	76379	39187	39187	1	Si
53	0.34	22.81	0	-10110	SLD 7	-10110	-13761	-76908	-39459	-39459	1	Si
71	0.34	34.21	0	11727	SLD 9	11727	15699	76379	39187	39187	1	Si
71	0.34	22.81	0	-10840	SLD 7	-10840	-13761	-76908	-39459	-39459	1	Si
79	0.34	34.21	0	11362	SLD 9	11362	15699	76379	39187	39187	1	Si
79	0.34	22.81	0	-11205	SLD 7	-11205	-13761	-76908	-39459	-39459	1	Si
97	0.34	34.21	0	10632	SLD 9	10632	15699	76379	39187	39187	1	Si
97	0.34	34.21	0	-11936	SLD 7	-11936	-15699	-76379	-39187	-39187	1	Si
115	0.34	22.81	0	9901	SLD 9	9901	13761	76908	39459	39459	1	Si
115	0.34	34.21	0	-12666	SLD 7	-12666	-15699	-76379	-39187	-39187	1	Si
132	0.34	22.81	0	9171	SLD 9	9171	13761	76908	39459	39459	1	Si
132	0.34	34.21	0	-13396	SLD 7	-13396	-15699	-76379	-39187	-39187	1	Si
150	0.34	22.81	0	8441	SLD 9	8441	13761	76908	39459	39459	1	Si
150	0.34	34.21	0	-14127	SLD 7	-14127	-15699	-76379	-39187	-39187	1	Si
168	0.34	22.81	0	7711	SLD 9	7711	13761	76908	39459	39459	1	Si
168	0.34	34.21	0	-14857	SLD 7	-14857	-15625	-75642	-38809	-38809	1	Si
185	0.34	22.81	0	6980	SLD 9	6980	13761	76908	39459	39459	1	Si
185	0.34	34.21	0	-15587	SLD 7	-15587	-15599	-75382	-38676	-38676	1	Si
203	0.34	22.81	0	6250	SLD 9	6250	13761	76908	39459	39459	1	Si
203	0.34	34.21	0	-16318	SLD 7	-16318	-15576	-75158	-38561	-38561	1	Si
212	0.34	22.81	0	5885	SLD 9	5885	13761	76908	39459	39459	1	Si
212	0.34	34.21	0	-16683	SLD 7	-16683	-15568	-75077	-38519	-38519	1	Si
232	0.34	22.81	0	5037	SLD 9	5037	13761	76908	39459	39459	1	Si
232	0.34	41.43	0	-17530	SLD 7	-17530	-16593	-75077	-38519	-38519	1	Si
247	0	22.81	0	4424	SLD 9	4424	13761	76908	0	13761	1	Si
247	0	44.76	0	-18143	SLD 7	-18143	-17027	-75077	0	-17027	1	Si
265	0	22.81	0	3694	SLD 9	3694	13761	76908	0	13761	1	Si
265	0	48.09	0	-18874	SLD 7	-18874	-17439	-75077	0	-17439	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-238463	3	-193507	4.1	124.5	100.5	1837	-201334	2	-163879	3.5	93.4	0	+∞	Si
18	-174207	3	-172547	3.7	124.5	89.6	1837	-148339	2	-146992	3.1	93.4	0	+∞	Si
23	-159510	3	-159510	3.4	124.5	82.9	1837	-136488	2	-136488	2.9	93.4	0	+∞	Si
35	-124000	3	-159510	3.4	124.5	82.9	1837	-108247	2	-136488	2.9	93.4	0	+∞	Si
53	-87842	3	-155162	3.3	124.5	80.6	1837	-81057	2	-132982	2.8	93.4	0	+∞	Si
71	-68414	4	-109936	2.4	124.5	57.1	1837	-68361	1	-97464	2.1	93.4	0	+∞	Si
79	-71037	1	-99867	2.1	124.5	51.9	1837	-71037	1	-99867	2.1	93.4	0	+∞	Si
97	-84774	1	-132004	2.8	124.5	68.6	1837	-84774	1	-132004	2.8	93.4	0	+∞	Si
115	-109693	1	-175608	3.8	124.5	91.2	1837	-109693	1	-175322	3.7	93.4	0	+∞	Si
132	-145794	1	-232636	5	124.5	120.9	1837	-145794	1	-229823	4.9	93.4	0	+∞	Si
150	-194258	6	-300846	6.4	124.5	156.3	1837	-193076	1	-295504	6.3	93.4	0	+∞	Si
168	-255251	6	-380237	7.8	124.5	169	1837	-251541	1	-372368	7.7	93.4	0	+∞	Si
185	-327425	6	-470811	9.6	124.5	196.4	1837	-321187	1	-460414	9.3	93.4	0	+∞	Si
203	-410780	6	-572566	11.5	124.5	225.1	1837	-402015	1	-559641	11.2	93.4	0	+∞	Si
212	-456652	6	-574183	11.4	124.5	220.7	1837	-446622	1	-561221	11.2	93.4	0	+∞	Si
232	-574183	6	-574183	11.4	124.5	220.7	1837	-561221	1	-561221	11.2	93.4	0	+∞	Si
247	-668090	6	-643853	12.8	124.5	247.5	1837	-653005	1	-629253	12.5	93.4	0	+∞	Si
265	-790582	6	-673075	13.4	124.5	258.7	1837	-772969	1	-657787	13.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	2	-0.001	2	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
35	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
53	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
71	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
79	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	2	-0.005	2	9999	Si
97	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
115	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.007	2	9999	Si
132	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.007	2	-0.008	2	9999	Si
150	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.007	2	-0.008	2	9999	Si
168	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.007	2	-0.008	2	9999	Si
185	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.007	2	-0.008	2	9999	Si
203	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.007	2	-0.007	2	9999	Si
212	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.006	2	-0.007	2	9999	Si
232	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	2	-0.005	2	9999	Si
247	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	2	-0.003	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	2435	32127	39187	SLV 9	0.41	989	1.144	-136488	1780805	2803087	SLV 7	0.57	2474	1.666	Si
35	1904	32127	39187	SLV 9	0.42	1027	1.162	-136488	1780805	2803087	SLV 7	0.57	2474	1.666	Si
53	1174	32127	39187	SLV 9	0.43	1081	1.187	-132982	1744427	2803087	SLV 7	0.57	2474	1.666	Si
71	444	32127	39187	SLV 9	0.44	1137	1.212	-97464	1295334	2803087	SLV 7	0.57	2474	1.666	Si
79	78	32127	39187	SLV 9	0.44	1166	1.224	-84543	1071095	2803087	SLV 7	0.57	2474	1.666	Si
97	-652	-32127	-39187	SLV 7	0.43	1121	1.205	-106279	882336	2803087	SLV 5	0.57	2474	1.666	Si
115	-1382	-32127	-39187	SLV 7	0.43	1066	1.18	-145477	1328323	2803087	SLV 5	0.57	2474	1.666	Si
132	-2113	-32127	-39187	SLV 7	0.42	1012	1.155	-197578	1776478	2803087	SLV 5	0.57	2474	1.666	Si
150	-2843	-32127	-39187	SLV 7	0.41	961	1.131	-262581	2225574	2803087	SLV 5	0.49	1619	1.4	Si
168	-3573	-32127	-38809	SLV 7	0.4	891	1.096	-340486	2675142	2861260	SLV 5	0.43	1115	1.202	Si
185	-4303	-32127	-38676	SLV 7	0.39	839	1.07	-431293	3124976	2887831	SLV 5	0.39	824	1.062	Si
203	-5034	-32127	-38561	SLV 7	0.38	789	1.043	-535003	3574974	2914438	SLV 5	0.35	652	0.965	No
212	-5399	-32127	-38519	SLV 7	0.37	766	1.03	-536665	3581683	2924843	SLV 5	0.35	655	0.966	No
232	-6246	-32127	-38519	SLV 7	0.37	719	1.004	-536665	3581683	2924843	SLV 5	0.35	655	0.966	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	2435	11284	39187	SLD 9	0.44	1142	3.054	-136488	788074	2803087	SLD 7	0.5	1636	3.539	Si
35	1904	11284	39187	SLD 9	0.44	1186	3.102	-136488	788074	2803087	SLD 7	0.5	1636	3.539	Si
53	1174	11284	39187	SLD 9	0.45	1248	3.167	-132982	771976	2803087	SLD 7	0.5	1724	3.616	Si
71	444	11284	39187	SLD 9	0.46	1313	3.234	-97464	573236	2803087	SLD 7	0.6	2474	4.193	Si
79	78	11284	39187	SLD 9	0.46	1346	3.267	-84543	474001	2803087	SLD 7	0.6	2474	4.193	Si
97	-652	-11284	-39187	SLD 7	0.46	1294	3.215	-106279	390463	2803087	SLD 5	0.6	2474	4.193	Si
115	-1382	-11284	-39187	SLD 7	0.45	1231	3.149	-145477	587829	2803087	SLD 5	0.6	2474	4.193	Si
132	-2113	-11284	-39187	SLD 7	0.44	1168	3.082	-197578	786155	2803087	SLD 5	0.51	1740	3.63	Si
150	-2843	-11284	-39187	SLD 7	0.43	1108	3.016	-262581	984896	2803087	SLD 5	0.42	1010	2.904	Si
168	-3573	-11284	-38809	SLD 7	0.42	1018	2.913	-340486	1183847	2861260	SLD 5	0.36	714	2.519	Si
185	-4303	-11284	-38676	SLD 7	0.41	955	2.838	-431293	1382916	2887831	SLD 5	0.32	535	2.238	Si
203	-5034	-11284	-38561	SLD 7	0.4	898	2.767	-535003	1582056	2914438	SLD 5	0.3	430	2.046	Si
212	-5399	-11284	-38519	SLD 7	0.39	872	2.734	-536665	1585025	2924843	SLD 5	0.3	432	2.05	Si
232	-6246	-11284	-38519	SLD 7	0.38	818	2.664	-536665	1585025	2924843	SLD 5	0.3	432	2.05	Si

Campata 4 tra i fili 22 - 11, sezione R 45x70, asta 933

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	49.42	6.9	22.81	5.4						-1497264	SLU 19	-1271985	-5709937	0.199	Si
21	49.42	6.9	22.81	5.4						-1211132	SLU 19	-1184633	-5709937	0.199	Si
33	49.42	6.9	22.81	5.4						-1069253	SLU 19	-1069253	-5709937	0.199	Si
43	49.42	6.9	22.81	5.4						-944524	SLU 19	-1069253	-5709937	0.199	Si
64	47.68	6.8	22.81	5.4						-697439	SLU 19	-1039441	-5533470	0.186	Si
85	43.66	6.6	22.81	5.4	-209177	SLU 12	3973	2879182	0.104	-469879	SLU 19	-785276	-5116024	0.155	Si
96	41.65	6.5	22.81	5.4	-125515	SLU 12	71113	2862935	0.102	-363420	SLU 19	-665515	-4902746	0.14	Si
117	34.21	5.8	22.81	5.4	23623	SLU 12	195942	2803087	0.095	-165801	SLU 24	-440636	-4090733	0.11	Si
139	34.21	5.8	22.81	5.4	148613	SLU 11	325027	2803087	0.095	11250	SLU 26	-235357	-4090733	0.11	Si
160	34.21	5.8	22.81	5.4	282166	SLU 29	425975	2803087	0.095	135964	SLU 8	-51150	-4090733	0.11	Si
181	34.21	5.8	22.81	5.4	393318	SLU 29	498786	2803087	0.095						Si
203	34.21	5.8	27.21	5.4	476333	SLU 29	564563	3323490	0.099						Si
224	34.21	5.8	30.08	5.4	537335	SLU 20	638614	3663115	0.102						Si
245	34.21	5.8	30.41	5.4	614502	SLU 19	693142	3702296	0.102						Si
256	34.21	5.8	30.41	5.4	647746	SLU 19	713084	3702296	0.102						Si
277	34.21	5.8	30.41	5.4	699592	SLU 19	717321	3702296	0.102						Si
287	34.21	5.8	30.41	5.4	717321	SLU 19	717321	3702296	0.102						Si
299	34.21	5.8	30.41	5.4	731914	SLU 19	731532	3702296	0.102						Si
320	34.21	5.8	30.41	5.4	744712	SLU 19	742290	3702296	0.102						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	49.42	6.9	22.81	5.4	2572010	SLV 7	2332548	2924843	0.11	-4830868	SLV 9	-4218006	-5709937	0.199	Si
21	49.42	6.9	22.81	5.4	2248308	SLV 7	2219971	2924843	0.11	-4035496	SLV 9	-3963263	-5709937	0.199	Si
33	49.42	6.9	22.81	5.4	2071272	SLV 7	2071272	2924843	0.11	-3626783	SLV 9	-3626783	-5709937	0.199	Si
43	49.42	6.9	22.81	5.4	1905814	SLV 7	2071272	2924843	0.11	-3258959	SLV 9	-3626783	-5709937	0.199	Si
64	47.68	6.8	22.81	5.4	1544542	SLV 7	2031725	2911191	0.109	-2501272	SLV 9	-3538867	-5533470	0.186	Si
85	43.66	6.6	22.81	5.4	1164529	SLV 7	1677261	2879182	0.104	-1762471	SLV 9	-2774342	-5116024	0.155	Si
96	41.65	6.5	22.81	5.4	967522	SLV 7	1492992	2862935	0.102	-1400180	SLV 9	-2399153	-4902746	0.14	Si
117	34.21	5.8	22.81	5.4	559680	SLV 7	1110414	2803087	0.095	-689991	SLV 9	-1662954	-4090733	0.11	Si
139	34.21	5.8	22.81	5.4	153544	SLV 3	907161	2803087	0.095	-19136	SLV 13	-945789	-4090733	0.11	Si
160	34.21	5.8	22.81	5.4	680655	SLV 5	1564253	2803087	0.095	-319155	SLV 11	-954812	-4090733	0.11	Si
181	34.21	5.8	22.81	5.4	1332341	SLV 9	2192510	2803087	0.095	-781376	SLV 7	-1444878	-4090733	0.11	Si
203	34.21	5.8	27.21	5.4	1967264	SLV 9	2802178	3323490	0.099	-1264462	SLV 7	-1953982	-4090924	0.105	Si
224	34.21	5.8	30.08	5.4	2583705	SLV 9	3393116	3663115	0.102	-1766693	SLV 7	-2481984	-4090835	0.103	Si
245	34.21	5.8	30.41	5.4	3181444	SLV 9	3965282	3702296	0.102	-2287850	SLV 7	-3028840	-4090925	0.103	No
256	34.21	5.8	30.41	5.4	3473280	SLV 9	4244318	3702296	0.102	-2555505	SLV 7	-3309333	-4090925	0.103	No
277	34.21	5.8	30.41	5.4	4042866	SLV 9	4307592	3702296	0.102	-3104950	SLV 7	-3373527	-4090925	0.103	No
287	34.21	5.8	30.41	5.4	4307592	SLV 9	4307592	3702296	0.102	-3373527	SLV 7	-3373527	-4090925	0.103	No
299	34.21	5.8	30.41	5.4	4593659	SLV 9	4546583	3702296	0.102	-3673229	SLV 7	-3619716	-4090925	0.103	No
320	34.21	5.8	30.41	5.4	5125651	SLV 9	4727518	3702296	0.102	-4260336	SLV 7	-3806101	-4090925	0.103	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	49.42	6.9	22.81	5.4	508603	SLD 7	506710	2924843	0.11	-2767462	SLD 9	-2392168	-5709937	0.199	Si
21	49.42	6.9	22.81	5.4	496822	SLD 7	496516	2924843	0.11	-2284010	SLD 9	-2239808	-5709937	0.199	Si
33	49.42	6.9	22.81	5.4	483052	SLD 7	483052	2924843	0.11	-2038562	SLD 9	-2038562	-5709937	0.199	Si
43	49.42	6.9	22.81	5.4	466235	SLD 7	483052	2924843	0.11	-1819380	SLD 9	-2038562	-5709937	0.199	Si
64	47.68	6.8	22.81	5.4	416851	SLD 7	479032	2911191	0.109	-1373581	SLD 9	-1986174	-5533470	0.186	Si
85	43.66	6.6	22.81	5.4	348686	SLD 7	436464	2879182	0.104	-946627	SLD 9	-1533545	-5116024	0.155	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
96	41.65	6.5	22.81	5.4	307572	SLD 7	408134	2862935	0.102	-740230	SLD 9	-1314294	-4902746	0.14	Si
117	34.21	5.8	22.81	5.4	211359	SLD 7	337392	2803087	0.095	-341670	SLD 9	-889932	-4090733	0.11	Si
139	34.21	5.8	22.81	5.4	105413	SLD 3	522318	2803087	0.095	28995	SLD 13	-484482	-4090733	0.11	Si
160	34.21	5.8	22.81	5.4	401978	SLD 5	862113	2803087	0.095	-40477	SLD 11	-252672	-4090733	0.11	Si
181	34.21	5.8	22.81	5.4	743184	SLD 9	1178660	2803087	0.095	-192219	SLD 7	-431028	-4090733	0.11	Si
203	34.21	5.8	27.21	5.4	1066484	SLD 9	1476492	3323490	0.099	-363682	SLD 7	-628296	-4090924	0.105	Si
224	34.21	5.8	30.08	5.4	1371117	SLD 9	1755548	3663115	0.102	-554105	SLD 7	-844415	-4090835	0.103	Si
245	34.21	5.8	30.41	5.4	1656986	SLD 9	2015808	3702296	0.102	-763392	SLD 7	-1079366	-4090925	0.103	Si
256	34.21	5.8	30.41	5.4	1792875	SLD 9	2138887	3702296	0.102	-875100	SLD 7	-1203901	-4090925	0.103	Si
277	34.21	5.8	30.41	5.4	2050553	SLD 9	2166632	3702296	0.102	-1112637	SLD 7	-1232566	-4090925	0.103	Si
287	34.21	5.8	30.41	5.4	2166632	SLD 9	2166632	3702296	0.102	-1232566	SLD 7	-1232566	-4090925	0.103	Si
299	34.21	5.8	30.41	5.4	2289426	SLD 9	2270388	3702296	0.102	-1368997	SLD 7	-1343521	-4090925	0.103	Si
320	34.21	5.8	30.41	5.4	2509492	SLD 9	2348940	3702296	0.102	-1644177	SLD 7	-1427523	-4090925	0.103	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	47.68	0	15762	SLU 29	15762	17390	75077	0	17390	1	Si
21	0	43.66	0	14443	SLU 29	14443	16886	75077	0	16886	1	Si
33	0.388	41.65	0	13752	SLU 29	13752	16623	75077	43944	43944	1	Si
43	0.388	34.21	0	13124	SLU 29	13124	15568	75077	43944	43944	1	Si
64	0.388	34.21	0	11805	SLU 29	11805	15579	75184	44007	44007	1	Si
85	0.388	34.21	0	10486	SLU 29	10486	15607	75463	44171	44171	1	Si
96	0.388	34.21	0	9854	SLU 20	9854	15623	75623	44264	44264	1	Si
117	0.35	34.21	0	8837	SLU 19	8837	15699	76379	40315	40315	1	Si
139	0.35	22.81	0	7921	SLU 19	7921	13761	76908	40594	40594	1	Si
160	0.35	22.81	0	7006	SLU 19	7006	13761	76908	40594	40594	1	Si
181	0.35	22.81	0	6091	SLU 19	6091	13761	76908	40594	40594	1	Si
203	0.35	22.81	0	5176	SLU 19	5176	13761	76908	40594	40594	1	Si
224	0.316	22.81	0	4261	SLU 19	4261	13761	76908	36680	36680	1	Si
245	0.316	22.81	0	3345	SLU 19	3345	13761	76908	36680	36680	1	Si
245	0.316	22.81	0	-398	SLU 12	-398	-13761	-76908	-36680	-36680	1	Si
256	0.316	22.81	0	2888	SLU 19	2888	13761	76908	36680	36680	1	Si
256	0.316	22.81	0	-966	SLU 12	-966	-13761	-76908	-36680	-36680	1	Si
277	0.316	28.64	0	1973	SLU 19	1973	14846	76908	36680	36680	1	Si
277	0.316	28.64	0	-2103	SLU 12	-2103	-14846	-76908	-36680	-36680	1	Si
287	0.316	30.08	0	1537	SLU 19	1537	15090	76908	36680	36680	1	Si
287	0.316	30.08	0	-2644	SLU 12	-2644	-15090	-76908	-36680	-36680	1	Si
299	0	30.41	0	1057	SLU 19	1057	15146	76908	0	15146	1	Si
299	0	30.41	0	-3239	SLU 12	-3239	-15146	-76908	0	-15146	1	Si
320	0	30.41	0	142	SLU 19	142	15146	76908	0	15146	1	Si
320	0	30.41	0	-4376	SLU 12	-4376	-15146	-76908	0	-15146	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	47.68	0	37726	SLV 9	44546	17390	75077	0	17390	1	Si
0	0	22.81	0	-14735	SLV 7	-21555	-13761	-76908	0	-13761	1	Si
21	0	43.66	0	36845	SLV 9	43665	16886	75077	0	16886	1	Si
21	0	22.81	0	-15617	SLV 7	-22437	-13761	-76908	0	-13761	1	Si
32	0	41.65	0	36404	SLV 9	43224	16623	75077	0	16623	1	Si
32	0	22.81	0	-16058	SLV 7	-22878	-13761	-76908	0	-13761	1	Si
33	0.388	41.65	0	36383	SLV 9	43203	16623	75077	43944	43944	1	Si
33	0.388	22.81	0	-16079	SLV 7	-22899	-13761	-76908	-45016	-45016	1	Si
43	0.388	34.21	0	35963	SLV 9	42783	15568	75077	43944	43944	1	Si
43	0.388	22.81	0	-16499	SLV 7	-23319	-13761	-76908	-45016	-45016	1	Si
64	0.388	34.21	0	35081	SLV 9	41901	15579	75184	44007	44007	1	Si
64	0.388	22.81	0	-17381	SLV 7	-24201	-13761	-76908	-45016	-45016	1	Si
85	0.388	34.21	0	34199	SLV 9	41019	15607	75463	44171	44171	1	Si
85	0.388	22.81	0	-18263	SLV 7	-25083	-13761	-76908	-45016	-45016	1	Si
96	0.388	34.21	0	33758	SLV 9	40578	15623	75623	44264	44264	1	Si
96	0.388	22.81	0	-18704	SLV 7	-25524	-13761	-76908	-45016	-45016	1	Si
117	0.35	34.21	0	32876	SLV 9	39696	15699	76379	40315	40315	1	Si
117	0.35	22.81	0	-19585	SLV 7	-26405	-13761	-76908	-40594	-40594	1	Si
139	0.35	34.21	0	31994	SLV 9	38814	15699	76379	40315	40315	1	Si
139	0.35	22.81	0	-20467	SLV 7	-27287	-13761	-76908	-40594	-40594	1	Si
160	0.35	22.81	0	31112	SLV 9	37932	13761	76908	40594	40594	1	Si
160	0.35	34.21	0	-21349	SLV 7	-28169	-15699	-76379	-40315	-40315	1	Si
181	0.35	22.81	0	30230	SLV 9	37050	13761	76908	40594	40594	1	Si
181	0.35	34.21	0	-22231	SLV 7	-29051	-15699	-76379	-40315	-40315	1	Si
203	0.35	22.81	0	29348	SLV 9	36168	13761	76908	40594	40594	1	Si
203	0.35	34.21	0	-23113	SLV 7	-29933	-15699	-76379	-40315	-40315	1	Si
224	0.316	22.81	0	28467	SLV 9	35287	13761	76908	36680	36680	1	Si
224	0.316	34.21	0	-23995	SLV 7	-30815	-15699	-76379	-36428	-36428	1	Si
245	0.316	22.81	0	27585	SLV 9	34405	13761	76908	36680	36680	1	Si
245	0.316	34.21	0	-24877	SLV 7	-31697	-15699	-76379	-36428	-36428	1	Si
256	0.316	22.81	0	27144	SLV 9	33964	13761	76908	36680	36680	1	Si
256	0.316	34.21	0	-25318	SLV 7	-32138	-15699	-76379	-36428	-36428	1	Si
277	0.316	28.64	0	26262	SLV 9	33082	14846	76908	36680	36680	1	Si
277	0.316	34.21	0	-26200	SLV 7	-33020	-15699	-76379	-36428	-36428	1	Si
287	0.316	30.08	0	25842	SLV 9	32662	15090	76908	36680	36680	1	Si
287	0.316	34.21	0	-26620	SLV 7	-33440	-15699	-76379	-36428	-36428	1	Si
299	0	30.41	0	25380	SLV 9	32200	15146	76908	0	15146	1	Si
299	0	34.21	0	-27082	SLV 7	-33902	-15699	-76379	0	-15699	1	Si
320	0	30.41	0	24498	SLV 9	31318	15146	76908	0	15146	1	Si
320	0	34.21	0	-27963	SLV 7	-34783	-15699	-76379	0	-15699	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	47.68	0	23104	SLD 9	23104	17390	75077	0	17390	1	Si
0	0	22.81	0	-112	SLD 7	-112	-13761	-76908	0	-13761	1	Si
21	0	43.66	0	22222	SLD 9	22222	16886	75077	0	16886	1	Si
21	0	22.81	0	-994	SLD 7	-994	-13761	-76908	0	-13761	1	Si
33	0.388	41.65	0	21760	SLD 9	21760	16623	75077	43944	43944	1	Si
33	0.388	22.81	0	-1456	SLD 7	-1456	-13761	-76908	-45016	-45016	1	Si
43	0.388	34.21	0	21340	SLD 9	21340	15568	75077	43944	43944	1	Si
43	0.388	22.81	0	-1876	SLD 7	-1876	-13761	-76908	-45016	-45016	1	Si
64	0.388	34.21	0	20458	SLD 9	20458	15579	75184	44007	44007	1	Si
64	0.388	22.81	0	-2758	SLD 7	-2758	-13761	-76908	-45016	-45016	1	Si
85	0.388	34.21	0	19576	SLD 9	19576	15607	75463	44171	44171	1	Si
85	0.388	22.81	0	-3640	SLD 7	-3640	-13761	-76908	-45016	-45016	1	Si
96	0.388	34.21	0	19135	SLD 9	19135	15623	75623	44264	44264	1	Si
96	0.388	22.81	0	-4081	SLD 7	-4081	-13761	-76908	-45016	-45016	1	Si
117	0.35	34.21	0	18253	SLD 9	18253	15699	76379	40315	40315	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
117	0.35	22.81	0	-4963	SLD 7	-4963	-13761	-76908	-40594	-40594	1	Si
139	0.35	22.81	0	17372	SLD 9	17372	13761	76908	40594	40594	1	Si
139	0.35	22.81	0	-5845	SLD 7	-5845	-13761	-76908	-40594	-40594	1	Si
160	0.35	22.81	0	16490	SLD 9	16490	13761	76908	40594	40594	1	Si
160	0.35	34.21	0	-6727	SLD 7	-6727	-15699	-76379	-40315	-40315	1	Si
181	0.35	22.81	0	15608	SLD 9	15608	13761	76908	40594	40594	1	Si
181	0.35	34.21	0	-7609	SLD 7	-7609	-15699	-76379	-40315	-40315	1	Si
203	0.35	22.81	0	14726	SLD 9	14726	13761	76908	40594	40594	1	Si
203	0.35	34.21	0	-8490	SLD 7	-8490	-15699	-76379	-40315	-40315	1	Si
224	0.316	22.81	0	13844	SLD 9	13844	13761	76908	36680	36680	1	Si
224	0.316	34.21	0	-9372	SLD 7	-9372	-15699	-76379	-36428	-36428	1	Si
245	0.316	22.81	0	12962	SLD 9	12962	13761	76908	36680	36680	1	Si
245	0.316	34.21	0	-10254	SLD 7	-10254	-15699	-76379	-36428	-36428	1	Si
256	0.316	22.81	0	12521	SLD 9	12521	13761	76908	36680	36680	1	Si
256	0.316	34.21	0	-10695	SLD 7	-10695	-15699	-76379	-36428	-36428	1	Si
277	0.316	28.64	0	11639	SLD 9	11639	14846	76908	36680	36680	1	Si
277	0.316	34.21	0	-11577	SLD 7	-11577	-15699	-76379	-36428	-36428	1	Si
287	0.316	30.08	0	11219	SLD 9	11219	15090	76908	36680	36680	1	Si
287	0.316	34.21	0	-11997	SLD 7	-11997	-15699	-76379	-36428	-36428	1	Si
299	0	30.41	0	10757	SLD 9	10757	15146	76908	0	15146	1	Si
299	0	34.21	0	-12459	SLD 7	-12459	-15699	-76379	0	-15699	1	Si
320	0	30.41	0	9875	SLD 9	9875	15146	76908	0	15146	1	Si
320	0	34.21	0	-13341	SLD 7	-13341	-15699	-76379	0	-15699	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1141634	1	-964182	19.2	124.5	370.6	1837	-1141634	1	-964182	19.2	93.4	0	+∞	Si
21	-916705	1	-895836	17.9	124.5	344.4	1837	-916705	1	-895836	17.9	93.4	0	+∞	Si
33	-805560	1	-805560	16.1	124.5	309.7	1837	-805560	1	-805560	16.1	93.4	0	+∞	Si
43	-708080	1	-805560	16.1	124.5	309.7	1837	-708080	1	-805560	16.1	93.4	0	+∞	Si
64	-515760	1	-782261	15.7	124.5	309.7	1837	-515760	1	-782261	15.7	93.4	0	+∞	Si
85	-339745	1	-584028	11.9	124.5	248.7	1837	-339745	1	-584028	11.9	93.4	0	+∞	Si
96	-257852	1	-491025	10.1	124.5	217.3	1837	-257852	1	-491025	10.1	93.4	0	+∞	Si
117	-106732	6	-317250	6.8	124.5	164.8	1837	-106294	1	-317250	6.8	93.4	0	+∞	Si
139	92701	2	236946	5.1	124.5	177.7	1837	67204	2	216811	4.7	93.4	0	+∞	Si
160	202646	2	318975	6.9	124.5	239.2	1837	180750	2	304721	6.5	93.4	0	+∞	Si
181	292105	2	380518	8.2	124.5	285.4	1837	275483	2	373816	8	93.4	0	+∞	Si
203	361077	2	427883	8.7	124.5	270.5	1837	351401	2	427883	8.7	93.4	0	+∞	Si
224	409563	2	475698	9.4	124.5	272.9	1837	408506	2	475698	9.4	93.4	0	+∞	Si
245	460648	1	507208	10	124.5	287.9	1837	460648	1	507208	10	93.4	0	+∞	Si
256	481398	1	516849	10.2	124.5	293.4	1837	481398	1	516849	10.2	93.4	0	+∞	Si
277	510668	1	518790	10.2	124.5	294.5	1837	510668	1	518790	10.2	93.4	0	+∞	Si
287	518790	1	518790	10.2	124.5	294.5	1837	518790	1	518790	10.2	93.4	0	+∞	Si
299	523634	1	523634	10.3	124.5	297.3	1837	523634	1	523634	10.3	93.4	0	+∞	Si
320	520295	1	520295	10.3	124.5	295.4	1837	520295	1	520295	10.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.003	2	-0.003	2	9999	Si
33	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	2	-0.004	2	9999	Si
43	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
64	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	2	-0.004	2	9999	Si
85	0	-0.001	-0.001	-0.002	0	-0.001	-0.001	-0.002	0	-0.001	-0.002	2	-0.003	2	9999	Si
96	0.001	-0.001	0	-0.001	0.001	-0.001	0	-0.001	0	-0.001	-0.001	2	-0.002	2	9999	Si
117	0.002	0.001	0.001	0	0.002	0.001	0.001	0	0.002	0.001	0.001	2	0	2	9999	Si
139	0.004	0.002	0.002	0.001	0.003	0.002	0.002	0.001	0.003	0.002	0.003	2	0.002	2	9999	Si
160	0.005	0.003	0.003	0.002	0.005	0.004	0.003	0.002	0.004	0.004	0.005	2	0.004	2	9999	Si
181	0.006	0.005	0.004	0.003	0.006	0.005	0.003	0.003	0.005	0.005	0.007	2	0.006	2	9999	Si
203	0.007	0.005	0.004	0.003	0.006	0.005	0.004	0.003	0.006	0.005	0.008	2	0.007	2	9999	Si
224	0.007	0.006	0.004	0.004	0.006	0.006	0.004	0.004	0.006	0.006	0.008	2	0.008	2	9999	Si
245	0.006	0.005	0.004	0.004	0.006	0.006	0.004	0.004	0.006	0.006	0.008	2	0.008	2	9999	Si
256	0.006	0.005	0.004	0.003	0.005	0.005	0.004	0.004	0.005	0.005	0.008	2	0.007	2	9999	Si
277	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.006	2	0.006	2	9999	Si
287	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
299	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	2	0.003	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
33	10152	33051	43944	SLV 9	0.37	751	1.022	-777755	2849028	2924843	SLV 7	0.47	1386	1.314	Si
43	9732	33051	43944	SLV 9	0.38	774	1.035	-777755	2849028	2924843	SLV 7	0.47	1386	1.314	Si
64	8850	33051	44007	SLV 9	0.39	827	1.063	-753571	2785296	2911191	SLV 7	0.47	1432	1.332	Si
85	7968	33051	44171	SLV 9	0.4	888	1.095	-548540	2225801	2879182	SLV 7	0.55	2181	1.582	Si
96	7527	33051	44264	SLV 9	0.4	921	1.111	-453080	1946072	2862935	SLV 7	0.57	2474	1.666	Si
117	6645	33051	40315	SLV 9	0.37	744	1.018	-276270	1386684	2803087	SLV 7	0.57	2474	1.666	Si
139	5763	33051	40315	SLV 9	0.38	793	1.045	-118274	827515	2803087	SLV 7	0.57	2474	1.666	Si
160	4882	33051	40594	SLV 9	0.39	859	1.08	304721	1259533	2803087	SLV 9	0.57	2474	1.666	Si
181	4000	33051	40594	SLV 9	0.4	912	1.107	373816	1818694	2803087	SLV 9	0.48	1491	1.354	Si
203	3118	33051	40594	SLV 9	0.41	967	1.134	424098	2378080	3323490	SLV 9	0.44	1171	1.226	Si
224	2236	33051	36680	SLV 9	0.38	787	1.042	455566	2937550	3663115	SLV 9	0.4	882	1.092	Si
245	1354	33051	36680	SLV 9	0.39	837	1.069	468221	3497061	3702296	SLV 9	0.34	589	0.925	No
256	913	33051	36680	SLV 9	0.39	863	1.082	467493	3776826	3702296	SLV 9	0.31	489	0.857	No
277	31	-33051	-36428	SLV 7	0.4	904	1.103	467033	3840560	3702296	SLV 9	0.31	470	0.843	No
287	-389	-33051	-36428	SLV 7	0.4	879	1.09	467033	3840560	3702296	SLV 9	0.31	470	0.843	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
33	10152	11608	43944	SLD 9	0.39	855	2.712	-777755	1260807	2924843	SLD 7	0.39	873	2.736	Si
43	9732	11608	43944	SLD 9	0.4	881	2.746	-777755	1260807	2924843	SLD 7	0.39	873	2.736	Si
64	8850	11608	44007	SLD 9	0.41	941	2.821	-753571	1232603	2911191	SLD 7	0.4	900	2.77	Si
85	7968	11608	44171	SLD 9	0.42	1015	2.91	-548540	985005	2879182	SLD 7	0.46	1360	3.281	Si
96	7527	11608	44264	SLD 9	0.42	1057	2.959	-453080	861214	2862935	SLD 7	0.51	1781	3.664	Si
117	6645	11608	40315	SLD 9	0.39	847	2.702	-276270	613662	2803087	SLD 7	0.6	2474	4.193	Si
139	5763	11608	40594	SLD 9	0.4	921	2.796	-118274	366208	2803087	SLD 7	0.6	2474	4.193	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
160	4882	11608	40594	SLD 9	0.41	978	2.866	304721	557393	2803087	SLD 9	0.59	2474	4.193	Si
181	4000	11608	40594	SLD 9	0.42	1045	2.945	373816	804844	2803087	SLD 9	0.41	933	2.811	Si
203	3118	11608	40594	SLD 9	0.43	1115	3.024	424098	1052394	3323490	SLD 9	0.37	747	2.566	Si
224	2236	11608	36680	SLD 9	0.4	896	2.765	455566	1299981	3663115	SLD 9	0.33	572	2.3	Si
245	1354	11608	36680	SLD 9	0.41	953	2.836	468221	1547587	3702296	SLD 9	0.29	391	1.968	Si
256	913	11608	36680	SLD 9	0.41	983	2.872	467493	1671394	3702296	SLD 9	0.27	332	1.84	Si
277	31	-11608	-36428	SLD 7	0.42	1035	2.933	467033	1699599	3702296	SLD 9	0.26	319	1.81	Si
287	-389	-11608	-36428	SLD 7	0.42	1003	2.896	467033	1699599	3702296	SLD 9	0.26	319	1.81	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 46-12

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 46 - 23, sezione R 45x70, asta 928

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4						-619814	SLU 30	-389731	-1873055	0.09	Si
28	15.21	5.4	11.4	5.4	-27570	SLU 19	255675	1422107	0.084	-185475	SLU 12	-185475	-1873055	0.09	Si
47	15.21	5.4	11.4	5.4	168245	SLU 19	506560	1422107	0.084	65001	SLU 18	-185475	-1873055	0.09	Si
95	10.97	5.4	11.4	5.4	727937	SLU 29	1033435	1422094	0.084						Si
142	7.6	5.4	11.4	5.4	1205165	SLU 29	1431643	1422093	0.084						No
189	7.6	5.4	11.4	5.4	1553724	SLU 29	1701182	1422093	0.084						No
213	7.6	5.4	11.4	5.4	1679754	SLU 29	1787700	1422093	0.084						No
260	7.6	5.4	11.4	5.4	1835311	SLU 29	1864840	1422093	0.084						No
308	7.6	5.4	11.4	5.4	1862201	SLU 29	1864840	1422093	0.084						No
355	7.6	5.4	11.4	5.4	1760422	SLU 29	1835341	1422093	0.084						No
402	7.6	5.4	11.4	5.4	1529975	SLU 29	1683915	1422093	0.084						No
450	7.6	5.4	11.4	5.4	1170860	SLU 29	1403820	1422093	0.084						Si
497	7.6	5.4	11.4	5.4	683076	SLU 29	995058	1422093	0.084						Si
544	7.6	5.4	11.4	5.4	104801	SLU 12	457648	1422093	0.084	-106620	SLU 19	-430891	-970824	0.078	Si
568	7.6	5.4	11.4	5.4	-198170	SLU 12	167645	1422093	0.084	-366453	SLU 19	-774562	-970824	0.078	Si
615	14.06	5.4	11.4	5.4						-1099305	SLU 29	-1663036	-1737233	0.088	Si
663	19.01	5.4	11.4	5.4						-2037427	SLU 29	-2581834	-2323557	0.097	No
688	19.01	5.4	11.4	5.4						-2581834	SLU 29	-2581834	-2323557	0.097	No
710	19.01	5.4	11.4	5.4						-3104218	SLU 29	-2836135	-2323557	0.097	No

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	903355	SLV 11	903355	1422107	0.084	-1657202	SLV 5	-1457806	-1873055	0.09	Si
28	15.21	5.4	11.4	5.4	1097835	SLV 11	1272457	1422107	0.084	-1270364	SLV 5	-1270364	-1873055	0.09	Si
47	15.21	5.4	11.4	5.4	1222667	SLV 11	1374515	1422107	0.084	-1007002	SLV 5	-1270364	-1873055	0.09	Si
95	10.97	5.4	11.4	5.4	1456523	SLV 11	1556108	1422094	0.084	-443705	SLV 5	-781251	-1371112	0.083	No
142	7.6	5.4	11.4	5.4	1605375	SLV 11	1653182	1422093	0.084	32240	SLV 5	-251601	-970824	0.078	No
189	7.6	5.4	11.4	5.4	1670116	SLV 11	1671490	1422093	0.084						No
213	7.6	5.4	11.4	5.4	1671490	SLV 11	1671490	1422093	0.084						No
260	7.6	5.4	11.4	5.4	1614682	SLV 7	1657031	1422093	0.084						No
308	7.6	5.4	11.4	5.4	1487607	SLV 7	1571469	1422093	0.084						No
355	7.6	5.4	11.4	5.4	1332436	SLV 5	1426015	1422093	0.084						No
402	7.6	5.4	11.4	5.4	1229571	SLV 5	1288203	1422093	0.084						Si
450	7.6	5.4	11.4	5.4	1117035	SLV 5	1191290	1422093	0.084						Si
497	7.6	5.4	11.4	5.4	937238	SLV 5	1055067	1422093	0.084	-107542	SLV 11	-455336	-970824	0.078	Si
544	7.6	5.4	11.4	5.4	677431	SLV 5	844940	1422093	0.084	-687976	SLV 11	-1090543	-970824	0.078	No
568	7.6	5.4	11.4	5.4	516330	SLV 5	709438	1422093	0.084	-1011631	SLV 11	-1441205	-970824	0.078	No
592	7.6	5.4	11.4	5.4	334152	SLV 5	553108	1422093	0.084	-1357296	SLV 11	-1813740	-970824	0.078	No
615	14.06	5.4	11.4	5.4	130774	SLV 5	375741	1422107	0.084	-1724852	SLV 11	-2208070	-1737233	0.088	No
663	19.01	5.4	11.4	5.4						-2525331	SLV 11	-2980565	-2323557	0.097	No
688	19.01	5.4	11.4	5.4						-2980565	SLV 11	-2980565	-2323557	0.097	No
710	19.01	5.4	11.4	5.4						-3412652	SLV 11	-3192417	-2323557	0.097	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	189397	SLD 11	189397	1422107	0.084	-943244	SLD 5	-770349	-1873055	0.09	Si
28	15.21	5.4	11.4	5.4	437508	SLD 11	668698	1422107	0.084	-610036	SLD 5	-610036	-1873055	0.09	Si
47	15.21	5.4	11.4	5.4	600962	SLD 11	809267	1422107	0.084	-385297	SLD 5	-610036	-1873055	0.09	Si
95	10.97	5.4	11.4	5.4	926667	SLD 11	1082339	1422094	0.084	86151	SLD 5	-195035	-1371112	0.083	Si
142	7.6	5.4	11.4	5.4	1166713	SLD 11	1269968	1422093	0.084						Si
189	7.6	5.4	11.4	5.4	1321496	SLD 11	1372804	1422093	0.084						Si
213	7.6	5.4	11.4	5.4	1367155	SLD 11	1391903	1422093	0.084						Si
260	7.6	5.4	11.4	5.4	1396085	SLD 7	1396085	1422093	0.084						Si
308	7.6	5.4	11.4	5.4	1345880	SLD 7	1383922	1422093	0.084						Si
355	7.6	5.4	11.4	5.4	1235221	SLD 5	1307052	1422093	0.084						Si
402	7.6	5.4	11.4	5.4	1099670	SLD 5	1185548	1422093	0.084						Si
450	7.6	5.4	11.4	5.4	911749	SLD 5	1034072	1422093	0.084						Si
497	7.6	5.4	11.4	5.4	646006	SLD 5	817124	1422093	0.084	183690	SLD 11	-109409	-970824	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
544	7.6	5.4	11.4	5.4	296809	SLD 5	519419	1422093	0.084	-307355	SLD 11	-654196	-970824	0.078	Si
568	7.6	5.4	11.4	5.4	90389	SLD 5	339080	1422093	0.084	-585689	SLD 11	-959235	-970824	0.078	Si
592	7.6	5.4	11.4	5.4	-137370	SLD 5	137513	1422093	0.084	-885775	SLD 11	-1285963	-970824	0.078	No
615	14.06	5.4	11.4	5.4						-1207558	SLD 11	-1634346	-1737233	0.088	Si
663	19.01	5.4	11.4	5.4						-1916082	SLD 11	-2322912	-2323557	0.097	Si
688	19.01	5.4	11.4	5.4						-2322912	SLD 11	-2322912	-2323557	0.097	Si
710	19.01	5.4	11.4	5.4						-2711078	SLD 11	-2512567	-2323557	0.097	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.21	0	16892	SLU 30	16892	11469	76908	0	11469	1	Si
28	0.144	10.97	0	15313	SLU 30	15313	10783	76908	16673	16673	1	Si
47	0.144	11.4	0	14174	SLU 30	14174	10922	76908	16673	16673	1	Si
95	0.144	11.4	0	11455	SLU 30	11455	10922	76908	16673	16673	1	Si
142	0.16	11.4	0	8737	SLU 30	8737	10922	76908	18628	18628	1	Si
189	0.16	11.4	0	6019	SLU 30	6019	10922	76908	18628	18628	1	Si
213	0.16	11.4	0	4660	SLU 30	4660	10922	76908	18628	18628	1	Si
260	0.16	11.4	0	1941	SLU 30	1941	10922	76908	18628	18628	1	Si
308	0.16	11.4	0	-1027	SLU 19	-1027	-10922	-76908	-18628	-18628	1	Si
355	0.16	11.4	0	-3509	SLU 29	-3509	-10922	-76908	-18628	-18628	1	Si
402	0.16	11.4	0	-6228	SLU 29	-6228	-10922	-76908	-18628	-18628	1	Si
450	0.16	11.4	0	-8946	SLU 29	-8946	-10922	-76908	-18628	-18628	1	Si
497	0.16	11.4	0	-11664	SLU 29	-11664	-10922	-76908	-18628	-18628	1	Si
544	0.16	11.4	0	-14383	SLU 29	-14383	-10922	-76908	-18628	-18628	1	Si
568	0.16	7.6	0	-15742	SLU 29	-15742	-9541	-76908	-18628	-18628	1	Si
615	0.16	7.6	0	-18460	SLU 29	-18460	-9541	-76908	-18628	-18628	1	Si
663	0.201	7.6	0	-21178	SLU 29	-21178	-9541	-76908	-23342	-23342	1	Si
688	0.201	14.06	0	-22604	SLU 29	-22604	-11711	-76908	-23342	-23342	1	Si
710	0	17.41	0	-23897	SLU 29	-23897	-12575	-76908	0	-12575	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.21	0	14690	SLV 5	15610	11469	76908	0	11469	1	Si
28	0.144	10.97	0	13632	SLV 5	14552	10783	76908	16673	16673	1	Si
47	0.144	7.6	0	12869	SLV 5	13789	9541	76908	16673	16673	1	Si
95	0.144	7.6	0	11049	SLV 5	11969	9541	76908	16673	16673	1	Si
142	0.16	11.4	0	9228	SLV 5	10148	10922	76908	18628	18628	1	Si
189	0.16	11.4	0	7407	SLV 5	8327	10922	76908	18628	18628	1	Si
189	0.16	11.4	0	330	SLV 11	-590	-10922	-76908	-18628	-18628	1	Si
213	0.16	11.4	0	6497	SLV 5	7417	10922	76908	18628	18628	1	Si
213	0.16	11.4	0	-580	SLV 11	-1500	-10922	-76908	-18628	-18628	1	Si
260	0.16	11.4	0	4676	SLV 5	5596	10922	76908	18628	18628	1	Si
260	0.16	11.4	0	-2401	SLV 11	-3321	-10922	-76908	-18628	-18628	1	Si
308	0.16	11.4	0	2856	SLV 5	3776	10922	76908	18628	18628	1	Si
308	0.16	11.4	0	-4221	SLV 11	-5141	-10922	-76908	-18628	-18628	1	Si
355	0.16	11.4	0	1035	SLV 5	1955	10922	76908	18628	18628	1	Si
355	0.16	11.4	0	-6042	SLV 11	-6962	-10922	-76908	-18628	-18628	1	Si
402	0.16	11.4	0	-786	SLV 5	134	10922	76908	18628	18628	1	Si
402	0.16	11.4	0	-7862	SLV 11	-8782	-10922	-76908	-18628	-18628	1	Si
450	0.16	11.4	0	-9683	SLV 11	-10603	-10922	-76908	-18628	-18628	1	Si
497	0.16	7.6	0	-11504	SLV 11	-12424	-9541	-76908	-18628	-18628	1	Si
544	0.16	7.6	0	-13324	SLV 11	-14244	-9541	-76908	-18628	-18628	1	Si
568	0.16	7.6	0	-14235	SLV 11	-15155	-9541	-76908	-18628	-18628	1	Si
615	0.16	7.6	0	-16055	SLV 11	-16975	-9541	-76908	-18628	-18628	1	Si
663	0.201	7.6	0	-17876	SLV 11	-18796	-9541	-76908	-23342	-23342	1	Si
688	0.201	14.06	0	-18831	SLV 11	-19751	-11711	-76908	-23342	-23342	1	Si
710	0	17.41	0	-19697	SLV 11	-20617	-12575	-76908	0	-12575	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.21	0	12717	SLD 5	12717	11469	76908	0	11469	1	Si
28	0.144	10.97	0	11659	SLD 5	11659	10783	76908	16673	16673	1	Si
47	0.144	7.6	0	10896	SLD 5	10896	9541	76908	16673	16673	1	Si
95	0.144	11.4	0	9076	SLD 5	9076	10922	76908	16673	16673	1	Si
142	0.16	11.4	0	7255	SLD 5	7255	10922	76908	18628	18628	1	Si
189	0.16	11.4	0	5434	SLD 5	5434	10922	76908	18628	18628	1	Si
213	0.16	11.4	0	4524	SLD 5	4524	10922	76908	18628	18628	1	Si
260	0.16	11.4	0	2703	SLD 5	2703	10922	76908	18628	18628	1	Si
260	0.16	11.4	0	-427	SLD 11	-427	-10922	-76908	-18628	-18628	1	Si
308	0.16	11.4	0	883	SLD 5	883	10922	76908	18628	18628	1	Si
308	0.16	11.4	0	-2248	SLD 11	-2248	-10922	-76908	-18628	-18628	1	Si
355	0.16	11.4	0	-4069	SLD 11	-4069	-10922	-76908	-18628	-18628	1	Si
402	0.16	11.4	0	-5889	SLD 11	-5889	-10922	-76908	-18628	-18628	1	Si
450	0.16	11.4	0	-7710	SLD 11	-7710	-10922	-76908	-18628	-18628	1	Si
497	0.16	11.4	0	-9531	SLD 11	-9531	-10922	-76908	-18628	-18628	1	Si
544	0.16	7.6	0	-11351	SLD 11	-11351	-9541	-76908	-18628	-18628	1	Si
568	0.16	7.6	0	-12262	SLD 11	-12262	-9541	-76908	-18628	-18628	1	Si
615	0.16	7.6	0	-14082	SLD 11	-14082	-9541	-76908	-18628	-18628	1	Si
663	0.201	7.6	0	-15903	SLD 11	-15903	-9541	-76908	-23342	-23342	1	Si
688	0.201	14.06	0	-16858	SLD 11	-16858	-11711	-76908	-23342	-23342	1	Si
710	0	17.41	0	-17724	SLD 11	-17724	-12575	-76908	0	-12575	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-435825	3	-269126	8.4	124.5	302.6	1837	-376924	2	-225053	7	93.4	0	+∞	Si
28	-116656	3	-116656	3.6	124.5	131.2	1837	-86264	2	-86264	2.7	93.4	0	+∞	Si
47	118004	1	379259	12.5	124.5	561.6	1837	118004	1	360929	11.8	93.4	0	+∞	Si
95	539327	2	759964	26.3	124.5	1128.4	1837	506409	2	706580	24.5	93.4	0	+∞	Si
142	883863	2	1046930	38	124.5	1558.8	1837	818808	2	966052	35.1	93.4	0	+∞	Si
189	1134658	2	1240154	45	124.5	1846.5	1837	1045027	2	1139346	41.4	93.4	0	+∞	Si
213	1224902	2	1301614	47.3	124.5	1938	1837	1125820	2	1193675	43.3	93.4	0	+∞	Si
260	1335087	2	1355026	49.2	124.5	2017.5	1837	1222771	2	1238930	45	93.4	0	+∞	Si
308	1351530	2	1355026	49.2	124.5	2017.5	1837	1233544	2	1238930	45	93.4	0	+∞	Si
355	1274234	2	1330748	48.3	124.5	1981.4	1837	1158138	2	1212762	44	93.4	0	+∞	Si
402	1103197	2	1217281	44.2	124.5	1812.4	1837	996554	2	1104103	40.1	93.4	0	+∞	Si
450	838419	2	1010073	36.7	124.5	1503.9	1837	748790	2	909266	33	93.4	0	+∞	Si
497	479901	2	709125	25.7	124.5	1055.8	1837	414848	2	628250	22.8	93.4	0	+∞	Si
544	27931	3	314451	11.4	124.5	468.2	1837								Si
544	-54645	1	-321795	7.2	124.5	111.6	1837	-54645	1	-321795	12.9	93.4	0	+∞	Si
568	-268666	1	-588705	13.2	124.5	204.1	1837	-268666	1	-576741	23.1	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
615	-826509	2	-1239144	39.7	124.5	1502.6	1837	-797039	2	-1179057	37.7	93.4	0	+∞	Si
663	-1513119	2	-1911394	55.3	124.5	1734.8	1837	-1432607	2	-1801034	52.1	93.4	0	+∞	Si
688	-1911394	2	-1911394	55.3	124.5	1734.8	1837	-1801034	2	-1801034	52.1	93.4	0	+∞	Si
710	-2293469	2	-2097411	60.6	124.5	1903.6	1837	-2154353	2	-1973078	57	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
28	0.019	0.015	0.022	0.014	0.018	0.015	0.019	0.014	0.018	0.015	0.056	2	0.041	2	9999	Si
47	0.034	0.026	0.038	0.023	0.032	0.027	0.033	0.024	0.031	0.027	0.097	2	0.07	2	7338	Si
95	0.067	0.052	0.076	0.046	0.063	0.053	0.066	0.047	0.062	0.053	0.192	2	0.139	2	3694	Si
142	0.098	0.075	0.111	0.067	0.091	0.076	0.096	0.068	0.089	0.076	0.281	2	0.202	2	2529	Si
189	0.122	0.094	0.141	0.084	0.114	0.095	0.121	0.084	0.111	0.095	0.358	2	0.255	2	1985	Si
213	0.132	0.101	0.153	0.09	0.123	0.102	0.131	0.091	0.12	0.102	0.389	2	0.277	2	1826	Si
260	0.146	0.111	0.171	0.099	0.136	0.112	0.146	0.1	0.132	0.112	0.432	2	0.307	2	1643	Si
308	0.151	0.115	0.177	0.102	0.14	0.115	0.151	0.103	0.137	0.116	0.447	2	0.317	2	1589	Si
355	0.148	0.112	0.172	0.099	0.137	0.112	0.146	0.1	0.134	0.113	0.432	2	0.304	2	1642	Si
402	0.137	0.103	0.157	0.09	0.127	0.103	0.133	0.091	0.124	0.103	0.392	2	0.275	2	1810	Si
450	0.12	0.089	0.134	0.077	0.111	0.089	0.114	0.077	0.107	0.089	0.335	2	0.235	2	2117	Si
497	0.097	0.071	0.108	0.06	0.089	0.071	0.091	0.061	0.086	0.071	0.268	2	0.186	2	2647	Si
544	0.071	0.051	0.078	0.042	0.065	0.051	0.066	0.042	0.063	0.051	0.195	2	0.132	2	3636	Si
568	0.058	0.04	0.063	0.033	0.052	0.04	0.053	0.033	0.051	0.041	0.158	2	0.105	2	4482	Si
615	0.032	0.021	0.035	0.016	0.029	0.022	0.028	0.016	0.028	0.022	0.088	2	0.056	2	8038	Si
663	0.012	0.007	0.011	0.003	0.01	0.007	0.008	0.003	0.01	0.007	0.03	2	0.016	2	9999	Si
688	0.004	0.002	0.003	0	0.004	0.002	0.002	0	0.003	0.002	0.01	2	0.004	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	10094	4458	16673	SLV 5	0.53	1946	1.51	-86264	1184099	1422107	SLV 11	0.46	1315	1.286	Si
47	9331	4458	16673	SLV 5	0.57	2474	1.666	360929	1013586	1422107	SLV 11	0.38	796	1.047	Si
95	7510	4458	16673	SLV 5	0.57	2474	1.666	706580	849528	1422094	SLV 11	0.31	470	0.843	No
142	5690	4458	18628	SLV 5	0.57	2474	1.666	966052	687130	1422093	SLV 11	0.25	280	0.682	No
189	3869	4458	18628	SLV 5	0.57	2474	1.666	1125820	545670	1422093	SLV 11	0.2	181	0.57	No
213	2959	4458	18628	SLV 5	0.57	2474	1.666	1193675	437679	1422093	SLV 11	0.2	167	0.552	No
260	1138	4458	18628	SLV 5	0.57	2474	1.666	1222771	391911	1422093	SLV 7	0.19	158	0.539	No
308	-683	-4458	-18628	SLV 11	0.57	2474	1.666	1235241	336227	1422093	SLV 7	0.21	190	0.582	No
355	-2503	-4458	-18628	SLV 11	0.57	2474	1.666	1212762	213254	1422093	SLV 7	0.36	680	0.981	No
402	-4324	-4458	-18628	SLV 11	0.57	2474	1.666	1104103	184100	1422093	SLV 5	0.57	2474	1.666	Si
450	-6145	-4458	-18628	SLV 11	0.57	2474	1.666	909266	282024	1422093	SLV 5	0.57	2474	1.666	Si
497	-7965	-4458	-18628	SLV 11	0.57	2474	1.666	165146	-620482	-970824	SLV 11	0.57	2474	1.666	Si
544	-9786	-4458	-18628	SLV 11	0.57	2474	1.666	-307901	-782642	-970824	SLV 11	0.31	476	0.848	No
568	-10696	-4458	-18628	SLV 11	0.57	2474	1.666	-576741	-864464	-970824	SLV 11	0.17	126	0.492	No
615	-12517	-4458	-18628	SLV 11	0.49	1597	1.393	-1179057	-1029013	-1737233	SLV 11	0.2	181	0.57	No
663	-14338	-4458	-23342	SLV 11	0.57	2474	1.666	-1801034	-1179531	-2323557	SLV 11	0.17	119	0.48	No
688	-15293	-4458	-23342	SLV 11	0.57	2474	1.666	-1801034	-1179531	-2323557	SLV 11	0.17	119	0.48	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	10094	1565	16673	SLD 5	0.55	2252	4.034	-86264	523772	1422107	SLD 11	0.39	832	2.682	Si
47	9331	1565	16673	SLD 5	0.6	2474	4.193	360929	448338	1422107	SLD 11	0.32	518	2.209	Si
95	7510	1565	16673	SLD 5	0.6	2474	4.193	706580	375759	1422094	SLD 11	0.26	319	1.81	Si
142	5690	1565	18628	SLD 5	0.6	2474	4.193	966052	303915	1422093	SLD 11	0.21	190	1.464	Si
189	3869	1565	18628	SLD 5	0.6	2474	4.193	1139346	233459	1422093	SLD 11	0.17	122	1.221	Si
213	2959	1565	18628	SLD 5	0.6	2474	4.193	1185068	206835	1422093	SLD 11	0.16	109	1.166	Si
260	1138	1565	18628	SLD 5	0.6	2474	4.193	1185068	206835	1422093	SLD 11	0.16	109	1.166	Si
308	-683	-1565	-18628	SLD 11	0.6	2474	4.193	1235241	148681	1422093	SLD 7	0.18	131	1.257	Si
355	-2503	-1565	-18628	SLD 11	0.6	2474	4.193	1212762	94290	1422093	SLD 7	0.3	448	2.081	Si
402	-4324	-1565	-18628	SLD 11	0.6	2474	4.193	1104103	81445	1422093	SLD 5	0.52	1848	3.72	Si
450	-6145	-1565	-18628	SLD 11	0.6	2474	4.193	909266	124806	1422093	SLD 5	0.54	2119	3.935	Si
497	-7965	-1565	-18628	SLD 11	0.6	2474	4.193	165146	-274555	-970824	SLD 11	0.55	2160	3.966	Si
544	-9786	-1565	-18628	SLD 11	0.6	2474	4.193	-307901	-346295	-970824	SLD 11	0.26	324	1.822	Si
568	-10696	-1565	-18628	SLD 11	0.6	2474	4.193	-576741	-382493	-970824	SLD 11	0.14	87	1.063	Si
615	-12517	-1565	-18628	SLD 11	0.52	1848	3.72	-1179057	-455290	-1737233	SLD 11	0.17	124	1.229	Si
663	-14338	-1565	-23342	SLD 11	0.6	2474	4.193	-1801034	-521878	-2323557	SLD 11	0.14	83	1.042	Si
688	-15293	-1565	-23342	SLD 11	0.6	2474	4.193	-1801034	-521878	-2323557	SLD 11	0.14	83	1.042	Si

Campata 2 tra i fili 23 - 12, sezione R 45x70, asta 929

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-2286524	SLU 29	-2108286	-2323557	0.097	Si
23	19.01	5.4	11.4	5.4						-1944531	SLU 29	-1944531	-2323557	0.097	Si
45	18.93	5.4	11.4	5.4						-1627085	SLU 29	-1944531	-2314368	0.097	Si
68	15.72	5.4	11.4	5.4						-1341624	SLU 29	-1713980	-1934606	0.091	Si
91	12.52	5.4	11.4	5.4						-1085668	SLU 29	-1420183	-1554423	0.085	Si
102	7.6	5.4	11.4	5.4						-968754	SLU 29	-1284349	-970824	0.078	No
125	7.6	5.4	11.4	5.4						-757055	SLU 29	-1034810	-970824	0.078	No
147	7.6	5.4	11.4	5.4						-574862	SLU 29	-814776	-970824	0.078	Si
170	7.6	5.4	11.4	5.4						-422174	SLU 29	-624248	-970824	0.078	Si
193	7.6	5.4	11.4	5.4						-298991	SLU 29	-463224	-970824	0.078	Si
215	7.6	5.4	11.4	5.4						-205950	SLU 30	-331706	-970824	0.078	Si
238	7.6	5.4	11.4	5.4						-143159	SLU 36	-230086	-970824	0.078	Si
249	9.24	5.4	11.4	5.4						-122647	SLU 36	-190576	-1165407	0.08	Si
272	10.31	5.4	11.4	5.4						-103001	SLU 30	-134236	-1292229	0.082	Si
295	11.38	5.4	11.4	5.4						-114569	SLU 12	-157300	-1419031	0.083	Si
318	11.4	5.4	11.4	5.4						-157300	SLU 12	-157300	-1422094	0.084	Si
340	11.4	5.4	11.4	5.4						-225710	SLU 12	-184680	-1422094	0.084	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-2480462	SLV 9	-2296083	-2323557	0.097	Si
23	19.01	5.4	11.4	5.4						-2120229	SLV 9	-2120229	-2323557	0.097	Si
45	18.93	5.4	11.4	5.4						-1774991	SLV 9	-2120229	-2314368	0.097	Si
68	15.72	5.4	11.4	5.4						-1453028	SLV 9	-1870337	-1934606	0.091	Si
91	12.52	5.4	11.4	5.4						-1152654	SLV 9	-1542503	-1554423	0.085	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
102	7.6	5.4	11.4	5.4						-1011290	SLV 9	-1386478	-970824	0.078	No
125	7.6	5.4	11.4	5.4						-770798	SLV 13	-1091161	-970824	0.078	No
147	7.6	5.4	11.4	5.4						-574752	SLV 15	-833876	-970824	0.078	Si
170	7.6	5.4	11.4	5.4	-147433	SLV 5	79176	1422093	0.084	-474738	SLV 11	-602702	-970824	0.078	Si
193	7.6	5.4	11.4	5.4	28454	SLV 5	256407	1422093	0.084	-469968	SLV 11	-525291	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	207414	SLV 5	421776	1422093	0.084	-507794	SLV 11	-600215	-970824	0.078	Si
238	7.6	5.4	11.4	5.4	377208	SLV 9	569904	1422093	0.084	-575978	SLV 7	-697422	-970824	0.078	Si
249	9.24	5.4	11.4	5.4	456090	SLV 9	636996	1422093	0.084	-618875	SLV 7	-753874	-1165407	0.08	Si
272	10.31	5.4	11.4	5.4	600251	SLV 9	756851	1422094	0.084	-720712	SLV 7	-882093	-1292229	0.082	Si
295	11.38	5.4	11.4	5.4	725535	SLV 9	832210	1422094	0.084	-843195	SLV 7	-987080	-1419031	0.083	Si
318	11.4	5.4	11.4	5.4	832210	SLV 9	832210	1422094	0.084	-987080	SLV 7	-987080	-1422094	0.084	Si
340	11.4	5.4	11.4	5.4	917187	SLV 9	880412	1422094	0.084	-1149583	SLV 7	-1063461	-1422094	0.084	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-1999900	SLD 9	-1849593	-2323557	0.097	Si
23	19.01	5.4	11.4	5.4						-1708478	SLD 9	-1708478	-2323557	0.097	Si
45	18.93	5.4	11.4	5.4						-1432787	SLD 9	-1708478	-2314368	0.097	Si
68	15.72	5.4	11.4	5.4						-1179362	SLD 9	-1508655	-1934606	0.091	Si
91	12.52	5.4	11.4	5.4						-946487	SLD 9	-1249522	-1554423	0.085	Si
102	7.6	5.4	11.4	5.4						-838072	SLD 9	-1127575	-970824	0.078	No
125	7.6	5.4	11.4	5.4						-648230	SLD 13	-899327	-970824	0.078	Si
147	7.6	5.4	11.4	5.4						-488990	SLD 15	-698941	-970824	0.078	Si
170	7.6	5.4	11.4	5.4						-383003	SLD 11	-521186	-970824	0.078	Si
193	7.6	5.4	11.4	5.4	-110909	SLD 5	38112	1422093	0.084	-330605	SLD 11	-405689	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	7650	SLD 5	136503	1422093	0.084	-308029	SLD 11	-343158	-970824	0.078	Si
238	7.6	5.4	11.4	5.4	111114	SLD 9	216238	1422093	0.084	-309884	SLD 7	-343755	-970824	0.078	Si
249	9.24	5.4	11.4	5.4	156049	SLD 9	248887	1422093	0.084	-318835	SLD 7	-365765	-1165407	0.08	Si
272	10.31	5.4	11.4	5.4	231632	SLD 9	299579	1422094	0.084	-352093	SLD 7	-424822	-1292229	0.082	Si
295	11.38	5.4	11.4	5.4	287839	SLD 9	324656	1422094	0.084	-405499	SLD 7	-479527	-1419031	0.083	Si
318	11.4	5.4	11.4	5.4	324656	SLD 9	324656	1422094	0.084	-479527	SLD 7	-479527	-1422094	0.084	Si
340	11.4	5.4	11.4	5.4	340632	SLD 9	338120	1422094	0.084	-573029	SLD 7	-521169	-1422094	0.084	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.72	0	15848	SLU 29	15848	12156	76908	0	12156	1	Si
23	0.158	12.52	0	14556	SLU 29	14556	11267	76908	18340	18340	1	Si
45	0.158	7.6	0	13245	SLU 29	13245	9541	76908	18340	18340	1	Si
68	0.158	7.6	0	11943	SLU 29	11943	9541	76908	18340	18340	1	Si
91	0.158	7.6	0	10641	SLU 29	10641	9541	76908	18340	18340	1	Si
102	0.123	7.6	0	9990	SLU 29	9990	9541	76908	14306	14306	1	Si
125	0.123	7.6	0	8689	SLU 29	8689	9541	76908	14306	14306	1	Si
147	0.123	7.6	0	7387	SLU 29	7387	9541	76908	14306	14306	1	Si
170	0.123	7.6	0	6085	SLU 29	6085	9541	76908	14306	14306	1	Si
193	0.123	7.6	0	4784	SLU 29	4784	9541	76908	14306	14306	1	Si
215	0.123	7.6	0	3550	SLU 20	3550	9541	76908	14306	14306	1	Si
238	0.123	7.6	0	2599	SLU 19	2599	9541	76908	14306	14306	1	Si
249	0.072	7.6	0	2145	SLU 19	2145	9541	76908	8336	9541	1	Si
272	0.072	7.6	0	1237	SLU 19	1237	9541	76908	8336	9541	1	Si
272	0.072	7.6	0	-185	SLU 12	-185	-9541	-76908	-8336	-9541	1	Si
295	0.072	7.6	0	330	SLU 19	330	9541	76908	8336	9541	1	Si
295	0.072	7.6	0	-1305	SLU 12	-1305	-9541	-76908	-8336	-9541	1	Si
318	0.072	9.24	0	-2434	SLU 12	-2434	-10183	-76908	-8336	-10183	1	Si
340	0	10.31	0	-3986	SLU 30	-3986	-10561	-76908	0	-10561	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.72	0	16497	SLV 9	17937	12156	76908	0	12156	1	Si
11	0	14.12	0	16061	SLV 9	17501	11728	76908	0	11728	1	Si
23	0.158	12.52	0	15631	SLV 9	17071	11267	76908	18340	18340	1	Si
45	0.158	7.6	0	14753	SLV 9	16193	9541	76908	18340	18340	1	Si
68	0.158	7.6	0	13881	SLV 9	15321	9541	76908	18340	18340	1	Si
91	0.158	7.6	0	13010	SLV 9	14449	9541	76908	18340	18340	1	Si
102	0.123	7.6	0	12574	SLV 9	14013	9541	76908	14306	14306	1	Si
125	0.123	7.6	0	11702	SLV 9	13141	9541	76908	14306	14306	1	Si
125	0.123	7.6	0	628	SLV 7	-812	-9541	-76908	-14306	-14306	1	Si
147	0.123	7.6	0	10830	SLV 9	12270	9541	76908	14306	14306	1	Si
147	0.123	7.6	0	-244	SLV 7	-1684	-9541	-76908	-14306	-14306	1	Si
170	0.123	7.6	0	9958	SLV 9	11398	9541	76908	14306	14306	1	Si
170	0.123	7.6	0	-1116	SLV 7	-2556	-9541	-76908	-14306	-14306	1	Si
193	0.123	7.6	0	9086	SLV 9	10526	9541	76908	14306	14306	1	Si
193	0.123	7.6	0	-1988	SLV 7	-3427	-9541	-76908	-14306	-14306	1	Si
215	0.123	11.4	0	8214	SLV 9	9654	10922	76908	14306	14306	1	Si
215	0.123	7.6	0	-2860	SLV 7	-4299	-9541	-76908	-14306	-14306	1	Si
238	0.123	11.4	0	7343	SLV 9	8782	10922	76908	14306	14306	1	Si
238	0.123	7.6	0	-3732	SLV 7	-5171	-9541	-76908	-14306	-14306	1	Si
249	0.072	11.4	0	6907	SLV 9	8346	10922	76908	8336	10922	1	Si
249	0.072	7.6	0	-4167	SLV 7	-5607	-9541	-76908	-8336	-9541	1	Si
272	0.072	11.4	0	6035	SLV 9	7474	10922	76908	8336	10922	1	Si
272	0.072	7.6	0	-5039	SLV 7	-6479	-9541	-76908	-8336	-9541	1	Si
295	0.072	11.4	0	5163	SLV 9	6603	10922	76908	8336	10922	1	Si
295	0.072	7.6	0	-5911	SLV 7	-7351	-9541	-76908	-8336	-9541	1	Si
318	0.072	11.4	0	4285	SLV 9	5724	10922	76908	8336	10922	1	Si
318	0.072	9.24	0	-6789	SLV 7	-8229	-10183	-76908	-8336	-10183	1	Si
340	0	11.4	0	3242	SLV 9	4682	10922	76908	0	10922	1	Si
340	0	10.31	0	-7832	SLV 7	-9271	-10561	-76908	0	-10561	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.72	0	13409	SLD 9	13409	12156	76908	0	12156	1	Si
11	0	14.12	0	12973	SLD 9	12973	11728	76908	0	11728	1	Si
23	0.158	12.52	0	12544	SLD 9	12544	11267	76908	18340	18340	1	Si
45	0.158	7.6	0	11665	SLD 9	11665	9541	76908	18340	18340	1	Si
68	0.158	7.6	0	10793	SLD 9	10793	9541	76908	18340	18340	1	Si
91	0.158	7.6	0	9922	SLD 9	9922	9541	76908	18340	18340	1	Si
102	0.123	7.6	0	9486	SLD 9	9486	9541	76908	14306	14306	1	Si
125	0.123	7.6	0	8614	SLD 9	8614	9541	76908	14306	14306	1	Si
147	0.123	7.6	0	7742	SLD 9	7742	9541	76908	14306	14306	1	Si
170	0.123	7.6	0	6870	SLD 9	6870	9541	76908	14306	14306	1	Si
193	0.123	7.6	0	5998	SLD 9	5998	9541	76908	14306	14306	1	Si
215	0.123	7.6	0	5126	SLD 9	5126	9541	76908	14306	14306	1	Si
238	0.123	11.4	0	4255	SLD 9	4255	10922	76908	14306	14306	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
238	0.123	7.6	0	-644	SLD 7	-644	-9541	-76908	-14306	-14306	1	Si
249	0.072	11.4	0	3819	SLD 9	3819	10922	76908	8336	10922	1	Si
249	0.072	7.6	0	-1080	SLD 7	-1080	-9541	-76908	-8336	-9541	1	Si
272	0.072	11.4	0	2947	SLD 9	2947	10922	76908	8336	10922	1	Si
272	0.072	7.6	0	-1951	SLD 7	-1951	-9541	-76908	-8336	-9541	1	Si
295	0.072	11.4	0	2075	SLD 9	2075	10922	76908	8336	10922	1	Si
295	0.072	7.6	0	-2823	SLD 7	-2823	-9541	-76908	-8336	-9541	1	Si
318	0.072	11.4	0	1197	SLD 9	1197	10922	76908	8336	10922	1	Si
318	0.072	9.24	0	-3702	SLD 7	-3702	-10183	-76908	-8336	-10183	1	Si
340	0	11.4	0	155	SLD 9	155	10922	76908	0	10922	1	Si
340	0	10.31	0	-4744	SLD 7	-4744	-10561	-76908	0	-10561	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1703399	2	-1571832	45.4	124.5	1426.6	1837	-1618459	2	-1495197	43.2	93.4	0	+∞	Si
23	-1450817	2	-1450817	41.9	124.5	1316.7	1837	-1381635	2	-1381635	39.9	93.4	0	+∞	Si
45	-1216069	2	-1450817	42	124.5	1321.9	1837	-1161136	2	-1381635	40	93.4	0	+∞	Si
68	-1004647	2	-1280350	39.4	124.5	1394	1837	-962118	2	-1221546	37.6	93.4	0	+∞	Si
91	-814721	2	-1062855	35.4	124.5	1441.6	1837	-782861	2	-1016945	33.9	93.4	0	+∞	Si
102	-727819	2	-962169	21.6	124.5	333.7	1837	-700643	2	-922055	37	93.4	0	+∞	Si
125	-570137	2	-776919	17.5	124.5	269.4	1837	-551029	2	-747096	30	93.4	0	+∞	Si
147	-433951	2	-613164	13.8	124.5	212.6	1837	-421176	2	-591899	23.8	93.4	0	+∞	Si
170	-319260	2	-470905	10.6	124.5	163.3	1837	-311086	2	-456464	18.3	93.4	0	+∞	Si
193	-226066	2	-350142	7.9	124.5	121.4	1837	-220757	2	-340791	13.7	93.4	0	+∞	Si
215	-154792	3	-250875	5.6	124.5	87	1837	-150190	2	-244879	9.8	93.4	0	+∞	Si
238	-105510	9	-173366	3.9	124.5	60.1	1837	-99385	2	-168729	6.8	93.4	0	+∞	Si
249	-88809	9	-142829	5.3	124.5	259.9	1837	-81393	2	-138065	5.1	93.4	0	+∞	Si
272	-71029	3	-98245	3.5	124.5	160.8	1837	-60230	2	-91558	3.3	93.4	0	+∞	Si
295	-75142	3	-101057	3.5	124.5	150.3	1837	-58830	2	-77435	2.7	93.4	0	+∞	Si
318	-101057	3	-101057	3.5	124.5	150	1837	-77435	2	-77435	2.7	93.4	0	+∞	Si
340	-148831	3	-119180	4.1	124.5	176.9	1837	-116198	2	-91524	3.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.015	1	-0.017	1	9999	Si
45	-0.01	-0.011	-0.01	-0.012	-0.01	-0.011	-0.01	-0.011	-0.01	-0.011	-0.025	1	-0.029	1	9999	Si
68	-0.013	-0.014	-0.012	-0.015	-0.013	-0.014	-0.013	-0.014	-0.013	-0.014	-0.032	1	-0.036	1	9999	Si
91	-0.014	-0.016	-0.014	-0.016	-0.014	-0.015	-0.014	-0.016	-0.014	-0.015	-0.036	1	-0.04	1	9414	Si
102	-0.015	-0.016	-0.014	-0.017	-0.015	-0.016	-0.015	-0.016	-0.015	-0.016	-0.037	1	-0.041	1	9133	Si
125	-0.015	-0.016	-0.015	-0.017	-0.015	-0.016	-0.015	-0.016	-0.015	-0.016	-0.038	1	-0.041	1	8969	Si
147	-0.014	-0.016	-0.014	-0.016	-0.014	-0.015	-0.014	-0.016	-0.014	-0.015	-0.037	1	-0.04	1	9216	Si
170	-0.013	-0.015	-0.013	-0.015	-0.013	-0.014	-0.013	-0.015	-0.013	-0.014	-0.035	1	-0.038	1	9838	Si
193	-0.012	-0.013	-0.012	-0.014	-0.012	-0.013	-0.012	-0.013	-0.012	-0.013	-0.031	1	-0.034	1	9999	Si
215	-0.01	-0.011	-0.011	-0.012	-0.01	-0.011	-0.011	-0.012	-0.01	-0.011	-0.027	1	-0.03	1	9999	Si
238	-0.009	-0.009	-0.009	-0.01	-0.009	-0.009	-0.009	-0.01	-0.009	-0.009	-0.023	1	-0.025	1	9999	Si
249	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.02	1	-0.022	1	9999	Si
272	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.016	1	-0.017	1	9999	Si
295	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.01	1	-0.012	1	9999	Si
318	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	10094	6977	18340	SLV 9	0.43	1078	1.185	-1381635	-738595	-2323557	SLV 9	0.46	1318	1.287	Si
45	9216	6977	18340	SLV 9	0.47	1409	1.323	-1381635	-738595	-2314368	SLV 9	0.45	1285	1.274	Si
68	8344	6977	18340	SLV 9	0.51	1798	1.462	-1221546	-648791	-1934606	SLV 9	0.4	896	1.099	Si
91	7472	6977	18340	SLV 9	0.55	2249	1.603	-1016945	-525558	-1554423	SLV 9	0.37	751	1.022	Si
102	7037	6977	14306	SLV 9	0.38	787	1.042	-922055	-464424	-970824	SLV 9	0.04	7	0.15	No
125	6165	6977	14306	SLV 9	0.42	1042	1.169	-747096	-344065	-970824	SLV 9	0.24	268	0.67	No
147	5293	6977	14306	SLV 9	0.46	1365	1.306	-591899	-241977	-970824	SLV 13	0.56	2281	1.612	Si
170	4421	6977	14306	SLV 9	0.51	1746	1.445	-263451	-203003	-970824	SLV 11	0.57	2474	1.666	Si
193	3549	6977	14306	SLV 9	0.55	2188	1.585	-134442	-390849	-970824	SLV 11	0.57	2474	1.666	Si
215	2677	6977	14306	SLV 9	0.57	2474	1.666	-89219	-510996	-970824	SLV 7	0.57	2474	1.666	Si
238	1805	6977	14306	SLV 9	0.57	2474	1.666	-63759	-633663	-970824	SLV 7	0.51	1794	1.461	Si
249	1370	6977	10922	SLV 9	0.49	1593	1.391	-58439	-695435	-1165407	SLV 7	0.57	2383	1.641	Si
272	498	-6977	-9541	SLV 7	0.51	1819	1.469	-62621	-819472	-1292229	SLV 7	0.54	2035	1.538	Si
295	-374	-6977	-9541	SLV 7	0.47	1427	1.33	-77435	-909645	-1419031	SLV 7	0.53	1943	1.509	Si
318	-1252	-6977	-10183	SLV 7	0.46	1331	1.292	-77435	-909645	-1422094	SLV 7	0.53	1955	1.513	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	10094	2449	18340	SLD 9	0.45	1246	3.165	-1381635	-326843	-2323557	SLD 9	0.39	834	2.685	Si
45	9216	2449	18340	SLD 9	0.49	1631	3.535	-1381635	-326843	-2314368	SLD 9	0.38	814	2.658	Si
68	8344	2449	18340	SLD 9	0.54	2082	3.907	-1221546	-287109	-1934606	SLD 9	0.34	581	2.315	Si
91	7472	2449	18340	SLD 9	0.58	2474	4.193	-1016945	-232578	-1554423	SLD 9	0.31	489	2.157	Si
102	7037	2449	14306	SLD 9	0.4	896	2.765	-922055	-205520	-970824	SLD 9	0.03	4	0.301	No
125	6165	2449	14306	SLD 9	0.44	1205	3.122	-747096	-152231	-970824	SLD 9	0.2	182	1.438	Si
147	5293	2449	14306	SLD 9	0.49	1578	3.487	-591899	-107042	-970824	SLD 13	0.47	1423	3.342	Si
170	4421	2449	14306	SLD 9	0.53	2021	3.859	-199426	-122864	-970824	SLD 11	0.6	2474	4.193	Si
193	3549	2449	14306	SLD 9	0.58	2474	4.193	-134442	-172554	-970824	SLD 11	0.6	2474	4.193	Si
215	2677	2449	14306	SLD 9	0.6	2474	4.193	-99385	-180258	-970824	SLD 11	0.6	2474	4.193	Si
238	1805	2449	14306	SLD 9	0.6	2474	4.193	-63759	-279997	-970824	SLD 7	0.43	1125	3.035	Si
249	1370	2449	10922	SLD 9	0.52	1844	3.717	-58439	-307326	-1165407	SLD 7	0.48	1491	3.407	Si
272	498	-2449	-9541	SLD 7	0.54	2105	3.924	-62621	-362200	-1292229	SLD 7	0.45	1273	3.193	Si
295	-374	-2449	-9541	SLD 7	0.5	1652	3.553	-77435	-402091	-1419031	SLD 7	0.45	1217	3.135	Si
318	-1252	-2449	-10183	SLD 7	0.48	1540	3.452	-77435	-402091	-1422094	SLD 7	0.45	1224	3.142	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 47-13

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 47 - 24, sezione R 45x70, asta 926

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4						-540268	SLU 30	-310418	-1422094	0.084	Si
28	11.4	5.4	11.4	5.4	34003	SLU 19	319529	1422094	0.084	-117707	SLU 12	-117707	-1422094	0.084	Si
47	11.4	5.4	11.4	5.4	230279	SLU 19	579761	1422094	0.084	138402	SLU 12	-117707	-1422094	0.084	Si
95	9.29	5.4	11.4	5.4	801406	SLU 29	1107585	1422093	0.084						Si
142	7.6	5.4	11.4	5.4	1279787	SLU 29	1507254	1422093	0.084						No
189	7.6	5.4	15.21	5.4	1630012	SLU 29	1778767	1873491	0.092						Si
213	7.6	5.4	15.21	5.4	1757067	SLU 29	1866465	1873491	0.092						Si
260	7.6	5.4	15.21	5.4	1915059	SLU 29	1945997	1873491	0.092						No
308	7.6	5.4	15.21	5.4	1944896	SLU 29	1945997	1873491	0.092						No
355	7.6	5.4	15.21	5.4	1846577	SLU 29	1919324	1873491	0.092						No
402	7.6	5.4	14.48	5.4	1620103	SLU 29	1771562	1787309	0.091						Si
450	7.6	5.4	11.4	5.4	1265473	SLU 29	1495645	1422093	0.084						No
497	7.6	5.4	11.4	5.4	782688	SLU 29	1091572	1422093	0.084						Si
544	7.6	5.4	11.4	5.4	188028	SLU 11	559343	1422093	0.084	-16103	SLU 22	-337527	-970824	0.078	Si
568	7.6	5.4	11.4	5.4	-112975	SLU 11	250475	1422093	0.084	-273612	SLU 22	-664266	-970824	0.078	Si
615	11.39	5.4	11.4	5.4						-986530	SLU 30	-1546239	-1419850	0.084	No
663	15.21	5.4	11.4	5.4						-1917946	SLU 30	-2458587	-1873055	0.09	No
687	15.21	5.4	11.4	5.4						-2458587	SLU 30	-2458587	-1873055	0.09	No
710	15.21	5.4	11.4	5.4						-2977518	SLU 30	-2711187	-1873055	0.09	No

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	782535	SLV 11	782535	1422094	0.084	-1429793	SLV 5	-1240205	-1422094	0.084	Si
28	11.4	5.4	11.4	5.4	997647	SLV 11	1194039	1422094	0.084	-1063308	SLV 5	-1063308	-1422094	0.084	Si
47	11.4	5.4	11.4	5.4	1137320	SLV 11	1310885	1422094	0.084	-814538	SLV 5	-1063308	-1422094	0.084	Si
95	9.29	5.4	11.4	5.4	1406470	SLV 11	1527502	1422093	0.084	-285335	SLV 5	-602063	-1171034	0.08	No
142	7.6	5.4	11.4	5.4	1590115	SLV 11	1658755	1422093	0.084	157688	SLV 5	-106092	-970824	0.078	No
189	7.6	5.4	15.21	5.4	1688519	SLV 11	1705927	1873491	0.092						Si
213	7.6	5.4	15.21	5.4	1705927	SLV 11	1705927	1873491	0.092						Si
260	7.6	5.4	15.21	5.4	1678025	SLV 11	1703152	1873491	0.092						Si
308	7.6	5.4	15.21	5.4	1570154	SLV 11	1643737	1873491	0.092						Si
355	7.6	5.4	15.21	5.4	1393151	SLV 7	1507894	1873491	0.092						Si
402	7.6	5.4	14.48	5.4	1190560	SLV 1	1308838	1787309	0.091						Si
450	7.6	5.4	11.4	5.4	1006852	SLV 1	1124146	1422093	0.084						Si
497	7.6	5.4	11.4	5.4	775622	SLV 5	918022	1422093	0.084	199680	SLV 11	-124668	-970824	0.078	Si
544	7.6	5.4	11.4	5.4	485124	SLV 5	671457	1422093	0.084	-342488	SLV 11	-721284	-970824	0.078	Si
568	7.6	5.4	11.4	5.4	308720	SLV 5	520638	1422093	0.084	-646801	SLV 11	-1052370	-970824	0.078	No
615	11.39	5.4	11.4	5.4	-107517	SLV 5	156320	1422094	0.084	-1320760	SLV 11	-1779531	-1419850	0.084	No
663	15.21	5.4	11.4	5.4						-2081267	SLV 11	-2515244	-1873055	0.09	No
687	15.21	5.4	11.4	5.4						-2515244	SLV 11	-2515244	-1873055	0.09	No
710	15.21	5.4	11.4	5.4						-2928003	SLV 11	-2717222	-1873055	0.09	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	165588	SLD 11	165588	1422094	0.084	-812846	SLD 5	-644268	-1422094	0.084	Si
28	11.4	5.4	11.4	5.4	422911	SLD 11	663888	1422094	0.084	-488572	SLD 5	-488572	-1422094	0.084	Si
47	11.4	5.4	11.4	5.4	593006	SLD 11	811124	1422094	0.084	-270224	SLD 5	-488572	-1422094	0.084	Si
95	9.29	5.4	11.4	5.4	934673	SLD 11	1100151	1422093	0.084	186462	SLD 5	-85741	-1171034	0.08	Si
142	7.6	5.4	11.4	5.4	1190646	SLD 11	1303548	1422093	0.084						Si
189	7.6	5.4	15.21	5.4	1361043	SLD 11	1421518	1873491	0.092						Si
213	7.6	5.4	15.21	5.4	1414226	SLD 11	1448616	1873491	0.092						Si
260	7.6	5.4	15.21	5.4	1456947	SLD 11	1456947	1873491	0.092						Si
308	7.6	5.4	15.21	5.4	1416424	SLD 11	1449172	1873491	0.092						Si
355	7.6	5.4	15.21	5.4	1297454	SLD 7	1377808	1873491	0.092						Si
402	7.6	5.4	14.48	5.4	1119326	SLD 1	1230619	1787309	0.091						Si
450	7.6	5.4	11.4	5.4	901648	SLD 1	1041937	1422093	0.084						Si
497	7.6	5.4	11.4	5.4	615056	SLD 5	795870	1422093	0.084						Si
544	7.6	5.4	11.4	5.4	254378	SLD 5	484021	1422093	0.084	-111743	SLD 11	-446679	-970824	0.078	Si
568	7.6	5.4	11.4	5.4	42306	SLD 5	297967	1422093	0.084	-380387	SLD 11	-741867	-970824	0.078	Si
615	11.39	5.4	11.4	5.4						-982480	SLD 11	-1396895	-1419850	0.084	Si
663	15.21	5.4	11.4	5.4						-1670727	SLD 11	-2066701	-1873055	0.09	No
687	15.21	5.4	11.4	5.4						-2066701	SLD 11	-2066701	-1873055	0.09	No
710	15.21	5.4	11.4	5.4						-2444988	SLD 11	-2251333	-1873055	0.09	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.4	0	16876	SLU 29	16876	10593	76908	0	10593	1	Si
28	0.144	9.29	0	15303	SLU 29	15303	10200	76908	16673	16673	1	Si
47	0.144	11.4	0	14169	SLU 29	14169	10922	76908	16673	16673	1	Si
95	0.144	11.4	0	11461	SLU 29	11461	10922	76908	16673	16673	1	Si
142	0.159	11.4	0	8753	SLU 29	8753	10922	76908	18406	18406	1	Si
189	0.159	11.4	0	6046	SLU 29	6046	10922	76908	18406	18406	1	Si
213	0.159	11.4	0	4692	SLU 29	4692	10922	76908	18406	18406	1	Si
260	0.159	15.21	0	1984	SLU 29	1984	12021	76908	18406	18406	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
308	0.159	15.21	0	-966	SLU 22	-966	-12021	-76908	-18406	-18406	1	Si
355	0.159	11.4	0	-3433	SLU 30	-3433	-10922	-76908	-18406	-18406	1	Si
402	0.159	11.4	0	-6141	SLU 30	-6141	-10922	-76908	-18406	-18406	1	Si
450	0.159	11.4	0	-8848	SLU 30	-8848	-10922	-76908	-18406	-18406	1	Si
497	0.159	11.4	0	-11556	SLU 30	-11556	-10922	-76908	-18406	-18406	1	Si
544	0.159	11.4	0	-14264	SLU 30	-14264	-10922	-76908	-18406	-18406	1	Si
568	0.159	7.6	0	-15618	SLU 30	-15618	-9541	-76908	-18406	-18406	1	Si
615	0.159	7.6	0	-18325	SLU 30	-18325	-9541	-76908	-18406	-18406	1	Si
663	0.201	7.6	0	-21033	SLU 30	-21033	-9541	-76908	-23342	-23342	1	Si
687	0.201	11.39	0	-22453	SLU 30	-22453	-10916	-76908	-23342	-23342	1	Si
710	0	13.62	0	-23741	SLU 30	-23741	-11587	-76908	0	-11587	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.4	0	13919	SLV 5	14638	10593	76908	0	10593	1	Si
28	0.144	9.29	0	12865	SLV 5	13584	10200	76908	16673	16673	1	Si
47	0.144	7.6	0	12105	SLV 5	12824	9541	76908	16673	16673	1	Si
95	0.144	7.6	0	10292	SLV 5	11010	9541	76908	16673	16673	1	Si
142	0.159	11.4	0	8478	SLV 5	9197	10922	76908	18406	18406	1	Si
189	0.159	11.4	0	6664	SLV 5	7383	10922	76908	18406	18406	1	Si
213	0.159	11.4	0	5757	SLV 5	6476	10922	76908	18406	18406	1	Si
213	0.159	11.4	0	228	SLV 11	-491	-10922	-76908	-18406	-18406	1	Si
260	0.159	15.21	0	3944	SLV 5	4663	12021	76908	18406	18406	1	Si
260	0.159	15.21	0	-1586	SLV 11	-2304	-12021	-76908	-18406	-18406	1	Si
308	0.159	15.21	0	2130	SLV 5	2849	12021	76908	18406	18406	1	Si
308	0.159	15.21	0	-3399	SLV 11	-4118	-12021	-76908	-18406	-18406	1	Si
355	0.159	11.4	0	316	SLV 5	1035	10922	76908	18406	18406	1	Si
355	0.159	11.4	0	-5213	SLV 11	-5932	-10922	-76908	-18406	-18406	1	Si
402	0.159	11.4	0	-7027	SLV 11	-7746	-10922	-76908	-18406	-18406	1	Si
450	0.159	11.4	0	-8840	SLV 11	-9559	-10922	-76908	-18406	-18406	1	Si
497	0.159	11.4	0	-10654	SLV 11	-11373	-10922	-76908	-18406	-18406	1	Si
544	0.159	7.6	0	-12468	SLV 11	-13187	-9541	-76908	-18406	-18406	1	Si
568	0.159	7.6	0	-13375	SLV 11	-14094	-9541	-76908	-18406	-18406	1	Si
615	0.159	7.6	0	-15188	SLV 11	-15907	-9541	-76908	-18406	-18406	1	Si
663	0.201	7.6	0	-17002	SLV 11	-17721	-9541	-76908	-23342	-23342	1	Si
687	0.201	11.39	0	-17954	SLV 11	-18672	-10916	-76908	-23342	-23342	1	Si
710	0	13.62	0	-18816	SLV 11	-19535	-11587	-76908	0	-11587	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.4	0	12377	SLD 5	12377	10593	76908	0	10593	1	Si
28	0.144	9.29	0	11323	SLD 5	11323	10200	76908	16673	16673	1	Si
47	0.144	7.6	0	10563	SLD 5	10563	9541	76908	16673	16673	1	Si
95	0.144	11.4	0	8750	SLD 5	8750	10922	76908	16673	16673	1	Si
142	0.159	11.4	0	6936	SLD 5	6936	10922	76908	18406	18406	1	Si
189	0.159	11.4	0	5122	SLD 5	5122	10922	76908	18406	18406	1	Si
213	0.159	11.4	0	4216	SLD 5	4216	10922	76908	18406	18406	1	Si
260	0.159	15.21	0	2402	SLD 5	2402	12021	76908	18406	18406	1	Si
260	0.159	15.21	0	-44	SLD 11	-44	-12021	-76908	-18406	-18406	1	Si
308	0.159	15.21	0	588	SLD 5	588	12021	76908	18406	18406	1	Si
308	0.159	15.21	0	-1857	SLD 11	-1857	-12021	-76908	-18406	-18406	1	Si
355	0.159	11.4	0	-3671	SLD 11	-3671	-10922	-76908	-18406	-18406	1	Si
402	0.159	11.4	0	-5485	SLD 11	-5485	-10922	-76908	-18406	-18406	1	Si
450	0.159	11.4	0	-7299	SLD 11	-7299	-10922	-76908	-18406	-18406	1	Si
497	0.159	11.4	0	-9112	SLD 11	-9112	-10922	-76908	-18406	-18406	1	Si
544	0.159	7.6	0	-10926	SLD 11	-10926	-9541	-76908	-18406	-18406	1	Si
568	0.159	7.6	0	-11833	SLD 11	-11833	-9541	-76908	-18406	-18406	1	Si
615	0.159	7.6	0	-13647	SLD 11	-13647	-9541	-76908	-18406	-18406	1	Si
663	0.201	7.6	0	-15460	SLD 11	-15460	-9541	-76908	-23342	-23342	1	Si
687	0.201	11.39	0	-16412	SLD 11	-16412	-10916	-76908	-23342	-23342	1	Si
710	0	13.62	0	-17274	SLD 11	-17274	-11587	-76908	0	-11587	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-377878	3	-211263	7.3	124.5	313.6	1837	-323629	2	-171713	5.9	93.4	0	+∞	Si
28	5661	1	245026	8.4	124.5	363.7	1837	5661	1	243506	8.4	93.4	0	+∞	Si
28	-58823	3	-58823	2	124.5	87.3	1837	-32830	2	-32830	1.1	93.4	0	+∞	Si
47	171318	1	433399	14.9	124.5	643.3	1837	171318	1	414842	14.3	93.4	0	+∞	Si
95	593756	2	815035	28.9	124.5	1211.7	1837	560568	2	761295	27	93.4	0	+∞	Si
142	939370	2	1103301	40.1	124.5	1642.7	1837	873901	2	1021904	37.1	93.4	0	+∞	Si
189	1191613	2	1298197	42.6	124.5	1465.8	1837	1101392	2	1196670	39.2	93.4	0	+∞	Si
213	1282721	2	1360631	44.6	124.5	1536.3	1837	1182946	2	1251862	41	93.4	0	+∞	Si
260	1394908	2	1415989	46.4	124.5	1598.8	1837	1281671	2	1298843	42.6	93.4	0	+∞	Si
308	1413726	2	1415989	46.4	124.5	1598.8	1837	1294554	2	1298843	42.6	93.4	0	+∞	Si
355	1339174	2	1393969	45.7	124.5	1574	1837	1221593	2	1274685	41.8	93.4	0	+∞	Si
402	1171251	2	1283394	42.8	124.5	1518.8	1837	1062789	2	1168605	39	93.4	0	+∞	Si
450	909958	2	1079448	39.2	124.5	1607.2	1837	818142	2	976682	35.5	93.4	0	+∞	Si
497	555295	2	782132	28.4	124.5	1164.5	1837	487651	2	698916	25.4	93.4	0	+∞	Si
544	107262	2	391447	14.2	124.5	582.8	1837	71318	2	335307	12.2	93.4	0	+∞	Si
568	-196932	4	-504990	11.4	124.5	175.1	1837	-194948	1	-495556	19.9	93.4	0	+∞	Si
615	-740907	3	-1150483	39.7	124.5	1710.5	1837	-714139	2	-1093379	37.7	93.4	0	+∞	Si
663	-1422423	3	-1817846	56.6	124.5	2044.2	1837	-1345080	2	-1710917	53.3	93.4	0	+∞	Si
687	-1817846	3	-1817846	56.6	124.5	2044.2	1837	-1710917	2	-1710917	53.3	93.4	0	+∞	Si
710	-2197310	3	-2002576	62.4	124.5	2251.9	1837	-2061865	2	-1881792	58.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
28	0.021	0.017	0.023	0.015	0.02	0.017	0.02	0.015	0.019	0.017	0.056	2	0.042	2	9999	Si
47	0.036	0.029	0.04	0.026	0.034	0.029	0.035	0.026	0.033	0.029	0.097	2	0.073	2	7295	Si
95	0.072	0.057	0.079	0.051	0.068	0.057	0.069	0.051	0.066	0.057	0.193	2	0.143	2	3687	Si
142	0.104	0.082	0.115	0.073	0.098	0.082	0.101	0.073	0.096	0.082	0.28	2	0.207	2	2535	Si
189	0.131	0.103	0.146	0.091	0.122	0.103	0.127	0.091	0.119	0.103	0.355	2	0.26	2	1998	Si
213	0.141	0.11	0.159	0.098	0.132	0.111	0.138	0.098	0.129	0.111	0.386	2	0.282	2	1840	Si
260	0.156	0.121	0.177	0.108	0.145	0.122	0.153	0.108	0.142	0.122	0.429	2	0.312	2	1655	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
308	0.162	0.126	0.184	0.111	0.151	0.126	0.159	0.112	0.147	0.126	0.445	2	0.322	2	1594	Si
355	0.159	0.123	0.18	0.108	0.148	0.123	0.155	0.108	0.145	0.123	0.435	2	0.311	2	1634	Si
402	0.148	0.114	0.165	0.099	0.138	0.114	0.142	0.1	0.135	0.114	0.399	2	0.284	2	1779	Si
450	0.13	0.099	0.143	0.086	0.121	0.099	0.123	0.086	0.118	0.099	0.344	2	0.244	2	2061	Si
497	0.107	0.08	0.115	0.068	0.099	0.08	0.099	0.069	0.096	0.08	0.278	2	0.196	2	2552	Si
544	0.079	0.058	0.085	0.049	0.073	0.059	0.072	0.049	0.071	0.059	0.205	2	0.141	2	3461	Si
568	0.065	0.048	0.069	0.039	0.06	0.048	0.059	0.039	0.058	0.048	0.168	2	0.114	2	4230	Si
615	0.038	0.027	0.039	0.021	0.035	0.027	0.033	0.021	0.033	0.027	0.096	2	0.061	2	7393	Si
663	0.015	0.01	0.014	0.006	0.013	0.01	0.011	0.006	0.013	0.01	0.034	2	0.019	2	9999	Si
687	0.006	0.004	0.004	0.001	0.005	0.004	0.003	0.001	0.005	0.004	0.011	2	0.005	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	10101	3483	16673	SLV 5	0.57	2474	1.666	-32830	-1030477	-1422094	SLV 5	0.48	1528	1.368	Si
47	9341	3483	16673	SLV 5	0.57	2474	1.666	414842	896043	1422094	SLV 11	0.41	946	1.124	Si
95	7527	3483	16673	SLV 5	0.57	2474	1.666	761295	766207	1422093	SLV 11	0.32	497	0.863	No
142	5713	3483	18406	SLV 5	0.57	2474	1.666	1021904	636851	1422093	SLV 11	0.23	248	0.649	No
189	3900	3483	18406	SLV 5	0.57	2474	1.666	1182946	522982	1873491	SLV 11	0.47	1446	1.337	Si
213	2993	3483	18406	SLV 5	0.57	2474	1.666	1182946	522982	1873491	SLV 11	0.47	1446	1.337	Si
260	1179	3483	18406	SLV 5	0.57	2474	1.666	1229314	473838	1873491	SLV 11	0.49	1563	1.38	Si
308	-635	-3483	-18406	SLV 11	0.57	2474	1.666	1294921	348816	1873491	SLV 11	0.57	2474	1.666	Si
355	-2448	-3483	-18406	SLV 11	0.57	2474	1.666	1274685	233209	1873491	SLV 11	0.57	2474	1.666	Si
402	-4262	-3483	-18406	SLV 11	0.57	2474	1.666	1168605	140233	1787309	SLV 7	0.57	2474	1.666	Si
450	-6076	-3483	-18406	SLV 11	0.57	2474	1.666	976682	147464	1422093	SLV 1	0.57	2474	1.666	Si
497	-7889	-3483	-18406	SLV 11	0.57	2474	1.666	240222	364890	1422093	SLV 5	0.57	2474	1.666	Si
544	-9703	-3483	-18406	SLV 11	0.57	2474	1.666	-228836	-492448	-970824	SLV 11	0.54	2058	1.545	Si
568	-10610	-3483	-18406	SLV 11	0.57	2474	1.666	-495556	-556814	-970824	SLV 11	0.31	485	0.854	No
615	-12424	-3483	-18406	SLV 11	0.57	2474	1.666	-1093379	-686152	-1419850	SLV 11	0.18	138	0.51	No
663	-14237	-3483	-23342	SLV 11	0.57	2474	1.666	-1710917	-804327	-1873055	SLV 11	0.08	25	0.253	No
687	-15189	-3483	-23342	SLV 11	0.57	2474	1.666	-1710917	-804327	-1873055	SLV 11	0.08	25	0.253	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	10101	1223	16673	SLD 5	0.6	2474	4.193	-32830	-455741	-1422094	SLD 5	0.41	956	2.839	Si
47	9341	1223	16673	SLD 5	0.6	2474	4.193	414842	396282	1422094	SLD 11	0.34	615	2.37	Si
95	7527	1223	16673	SLD 5	0.6	2474	4.193	761295	338857	1422093	SLD 11	0.27	337	1.852	Si
142	5713	1223	18406	SLD 5	0.6	2474	4.193	1021904	281644	1422093	SLD 11	0.2	169	1.395	Si
189	3900	1223	18406	SLD 5	0.6	2474	4.193	1196670	224847	1873491	SLD 11	0.4	927	2.804	Si
213	2993	1223	18406	SLD 5	0.6	2474	4.193	1077865	266161	1873491	SLD 11	0.4	912	2.785	Si
260	1179	1223	18406	SLD 5	0.6	2474	4.193	1229314	209545	1873491	SLD 11	0.41	977	2.865	Si
308	-635	-1223	-18406	SLD 11	0.6	2474	4.193	1294921	154250	1873491	SLD 11	0.5	1661	3.561	Si
355	-2448	-1223	-18406	SLD 11	0.6	2474	4.193	1274685	103123	1873491	SLD 11	0.6	2474	4.193	Si
402	-4262	-1223	-18406	SLD 11	0.6	2474	4.193	1168605	62014	1787309	SLD 7	0.6	2474	4.193	Si
450	-6076	-1223	-18406	SLD 11	0.6	2474	4.193	976682	65255	1422093	SLD 1	0.6	2474	4.193	Si
497	-7889	-1223	-18406	SLD 11	0.6	2474	4.193	240222	161425	1422093	SLD 5	0.6	2474	4.193	Si
544	-9703	-1223	-18406	SLD 11	0.6	2474	4.193	-228836	-217843	-970824	SLD 11	0.45	1285	3.205	Si
568	-10610	-1223	-18406	SLD 11	0.6	2474	4.193	-495556	-246311	-970824	SLD 11	0.26	330	1.836	Si
615	-12424	-1223	-18406	SLD 11	0.6	2474	4.193	-1093379	-303516	-1419850	SLD 11	0.15	96	1.107	Si
663	-14237	-1223	-23342	SLD 11	0.6	2474	4.193	-1710917	-355784	-1873055	SLD 11	0.06	17	0.544	No
687	-15189	-1223	-23342	SLD 11	0.6	2474	4.193	-1710917	-355784	-1873055	SLD 11	0.06	17	0.544	No

Campata 2 tra i fili 24 - 13, sezione R 45x70, asta 927

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4						-2154778	SLU 30	-1986483	-1873055	0.09	No
23	15.21	5.4	11.4	5.4						-1832613	SLU 30	-1832613	-1873055	0.09	Si
45	15.15	5.4	11.4	5.4						-1535092	SLU 30	-1832613	-1866865	0.09	Si
68	13.02	5.4	11.4	5.4						-1269350	SLU 30	-1616338	-1613379	0.086	No
91	10.88	5.4	11.4	5.4						-1033009	SLU 30	-1342296	-1359793	0.083	Si
102	7.6	5.4	11.4	5.4						-925864	SLU 30	-1216300	-970824	0.078	No
125	7.6	5.4	11.4	5.4						-733624	SLU 30	-986360	-970824	0.078	No
147	7.6	5.4	11.4	5.4						-570785	SLU 30	-785820	-970824	0.078	Si
170	7.6	5.4	11.4	5.4						-437709	SLU 36	-614681	-970824	0.078	Si
193	7.6	5.4	11.4	5.4						-335145	SLU 36	-472943	-970824	0.078	Si
215	7.6	5.4	11.4	5.4						-260039	SLU 36	-362161	-970824	0.078	Si
238	7.6	5.4	11.4	5.4						-213440	SLU 30	-279304	-970824	0.078	Si
261	9.78	5.4	11.4	5.4						-197606	SLU 30	-224135	-1228754	0.081	Si
272	10.31	5.4	11.4	5.4						-200714	SLU 30	-243814	-1292173	0.082	Si
295	11.38	5.4	11.4	5.4						-229429	SLU 29	-288339	-1418994	0.083	Si
318	11.4	5.4	11.4	5.4						-288339	SLU 29	-288339	-1422094	0.084	Si
340	11.4	5.4	11.4	5.4						-375950	SLU 29	-324679	-1422094	0.084	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4						-2855161	SLV 9	-2658022	-1873055	0.09	No
23	15.21	5.4	11.4	5.4						-2469401	SLV 9	-2469401	-1873055	0.09	No
45	15.15	5.4	11.4	5.4						-2097897	SLV 9	-2469401	-1866865	0.09	No
68	13.02	5.4	11.4	5.4						-1749444	SLV 9	-2200547	-1613379	0.086	No
91	10.88	5.4	11.4	5.4						-1421469	SLV 9	-1846384	-1359793	0.083	No
102	7.6	5.4	11.4	5.4						-1265343	SLV 9	-1676920	-970824	0.078	No
125	7.6	5.4	11.4	5.4						-969652	SLV 9	-1353495	-970824	0.078	No
147	7.6	5.4	11.4	5.4						-699603	SLV 9	-1051519	-970824	0.078	No
170	7.6	5.4	11.4	5.4						-532988	SLV 13	-773735	-970824	0.078	Si
193	7.6	5.4	11.4	5.4	-46642	SLV 1	186248	1422093	0.084	-445003	SLV 15	-574821	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	133836	SLV 5	365609	1422093	0.084	-512326	SLV 11	-657845	-970824	0.078	Si
238	7.6	5.4	11.4	5.4	316673	SLV 5	531103	1422093	0.084	-621395	SLV 11	-800077	-970824	0.078	Si
261	9.78	5.4	11.4	5.4	486387	SLV 5	680812	1422093	0.084	-756728	SLV 11	-965913	-1228754	0.081	Si
272	10.31	5.4	11.4	5.4	565583	SLV 5	749321	1422094	0.084	-833504	SLV 11	-1057255	-1292173	0.082	Si
295	11.38	5.4	11.4	5.4	711707	SLV 5	841344	1422094	0.084	-1004329	SLV 11	-1198756	-1418994	0.083	Si
318	11.4	5.4	11.4	5.4	841344	SLV 5	841344	1422094	0.084	-1198756	SLV 11	-1198756	-1422094	0.084	Si
340	11.4	5.4	11.4	5.4	950717	SLV 5	891035	1422094	0.084	-1411563	SLV 11	-1290171	-1422094	0.084	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4						-2111880	SLD 9	-1959974	-1873055	0.09	No
23	15.21	5.4	11.4	5.4						-1817234	SLD 9	-1817234	-1873055	0.09	Si
45	15.15	5.4	11.4	5.4						-1538042	SLD 9	-1817234	-1866865	0.09	Si
68	13.02	5.4	11.4	5.4						-1280939	SLD 9	-1614841	-1613379	0.086	No
91	10.88	5.4	11.4	5.4						-1043868	SLD 9	-1352114	-1359793	0.083	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
102	7.6	5.4	11.4	5.4						-932922	SLD 9	-1228236	-970824	0.078	No
125	7.6	5.4	11.4	5.4						-726569	SLD 9	-995565	-970824	0.078	No
147	7.6	5.4	11.4	5.4						-542454	SLD 9	-783340	-970824	0.078	Si
170	7.6	5.4	11.4	5.4						-415217	SLD 13	-592735	-970824	0.078	Si
193	7.6	5.4	11.4	5.4						-333755	SLD 15	-448107	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	-46761	SLD 5	79927	1422093	0.084	-331729	SLD 11	-372162	-970824	0.078	Si
238	7.6	5.4	11.4	5.4	54782	SLD 5	159666	1422093	0.084	-359503	SLD 11	-428641	-970824	0.078	Si
261	9.78	5.4	11.4	5.4	139494	SLD 5	221428	1422093	0.084	-409835	SLD 11	-506529	-1228754	0.081	Si
272	10.31	5.4	11.4	5.4	175221	SLD 5	245379	1422094	0.084	-443142	SLD 11	-553314	-1292173	0.082	Si
295	11.38	5.4	11.4	5.4	233003	SLD 5	272308	1422094	0.084	-525625	SLD 11	-629721	-1418994	0.083	Si
318	11.4	5.4	11.4	5.4	272308	SLD 5	272308	1422094	0.084	-629721	SLD 11	-629721	-1422094	0.084	Si
340	11.4	5.4	11.4	5.4	291871	SLD 5	282660	1422094	0.084	-752717	SLD 11	-681796	-1422094	0.084	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.02	0	14964	SLU 30	14964	11414	76908	0	11414	1	Si
23	0.172	10.88	0	13677	SLU 30	13677	10752	76908	20007	20007	1	Si
45	0.172	7.6	0	12371	SLU 30	12371	9541	76908	20007	20007	1	Si
68	0.172	7.6	0	11074	SLU 30	11074	9541	76908	20007	20007	1	Si
91	0.172	7.6	0	9777	SLU 30	9777	9541	76908	20007	20007	1	Si
102	0.136	7.6	0	9128	SLU 30	9128	9541	76908	15807	15807	1	Si
125	0.136	7.6	0	7831	SLU 30	7831	9541	76908	15807	15807	1	Si
147	0.136	7.6	0	6535	SLU 30	6535	9541	76908	15807	15807	1	Si
170	0.136	7.6	0	5238	SLU 30	5238	9541	76908	15807	15807	1	Si
193	0.136	7.6	0	3941	SLU 30	3941	9541	76908	15807	15807	1	Si
215	0.136	7.6	0	2815	SLU 22	2815	9541	76908	15807	15807	1	Si
238	0.136	7.6	0	1910	SLU 22	1910	9541	76908	15807	15807	1	Si
261	0.101	7.6	0	1005	SLU 22	1005	9541	76908	11671	11671	1	Si
261	0.101	7.6	0	-259	SLU 11	-259	-9541	-76908	-11671	-11671	1	Si
272	0.101	7.6	0	553	SLU 22	553	9541	76908	11671	11671	1	Si
272	0.101	7.6	0	-817	SLU 11	-817	-9541	-76908	-11671	-11671	1	Si
295	0.101	7.6	0	-1934	SLU 11	-1934	-9541	-76908	-11671	-11671	1	Si
318	0.101	9.24	0	-3230	SLU 29	-3230	-10182	-76908	-11671	-11671	1	Si
340	0	10.31	0	-4794	SLU 29	-4794	-10561	-76908	0	-10561	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.02	0	17629	SLV 9	19530	11414	76908	0	11414	1	Si
11	0	11.95	0	17194	SLV 9	19096	11093	76908	0	11093	1	Si
23	0.172	10.88	0	16766	SLV 9	18668	10752	76908	20007	20007	1	Si
45	0.172	7.6	0	15891	SLV 9	17793	9541	76908	20007	20007	1	Si
45	0.172	7.6	0	1262	SLV 7	-639	-9541	-76908	-20007	-20007	1	Si
68	0.172	7.6	0	15022	SLV 9	16924	9541	76908	20007	20007	1	Si
68	0.172	7.6	0	394	SLV 7	-1508	-9541	-76908	-20007	-20007	1	Si
91	0.172	7.6	0	14154	SLV 9	16055	9541	76908	20007	20007	1	Si
91	0.172	7.6	0	-475	SLV 7	-2377	-9541	-76908	-20007	-20007	1	Si
102	0.136	7.6	0	13719	SLV 9	15621	9541	76908	15807	15807	1	Si
102	0.136	7.6	0	-909	SLV 7	-2811	-9541	-76908	-15807	-15807	1	Si
125	0.136	7.6	0	12851	SLV 9	14752	9541	76908	15807	15807	1	Si
125	0.136	7.6	0	-1778	SLV 7	-3680	-9541	-76908	-15807	-15807	1	Si
147	0.136	7.6	0	11982	SLV 9	13884	9541	76908	15807	15807	1	Si
147	0.136	7.6	0	-2647	SLV 7	-4549	-9541	-76908	-15807	-15807	1	Si
170	0.136	7.6	0	11113	SLV 9	13015	9541	76908	15807	15807	1	Si
170	0.136	7.6	0	-3516	SLV 7	-5417	-9541	-76908	-15807	-15807	1	Si
193	0.136	7.6	0	10244	SLV 9	12146	9541	76908	15807	15807	1	Si
193	0.136	7.6	0	-4384	SLV 7	-6286	-9541	-76908	-15807	-15807	1	Si
215	0.136	11.4	0	9376	SLV 9	11277	10922	76908	15807	15807	1	Si
215	0.136	7.6	0	-5253	SLV 7	-7155	-9541	-76908	-15807	-15807	1	Si
238	0.136	11.4	0	8507	SLV 9	10409	10922	76908	15807	15807	1	Si
238	0.136	7.6	0	-6122	SLV 7	-8023	-9541	-76908	-15807	-15807	1	Si
261	0.101	11.4	0	7638	SLV 9	9540	10922	76908	11671	11671	1	Si
261	0.101	7.6	0	-6990	SLV 7	-8892	-9541	-76908	-11671	-11671	1	Si
272	0.101	11.4	0	7204	SLV 9	9106	10922	76908	11671	11671	1	Si
272	0.101	7.6	0	-7425	SLV 7	-9327	-9541	-76908	-11671	-11671	1	Si
295	0.101	11.4	0	6335	SLV 9	8237	10922	76908	11671	11671	1	Si
295	0.101	7.6	0	-8294	SLV 7	-10195	-9541	-76908	-11671	-11671	1	Si
318	0.101	11.4	0	5460	SLV 9	7362	10922	76908	11671	11671	1	Si
318	0.101	9.24	0	-9169	SLV 7	-11070	-10182	-76908	-11671	-11671	1	Si
340	0	11.4	0	4417	SLV 9	6319	10922	76908	0	10922	1	Si
340	0	10.31	0	-10212	SLV 7	-12114	-10561	-76908	0	-10561	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.02	0	13550	SLD 9	13550	11414	76908	0	11414	1	Si
23	0.172	10.88	0	12688	SLD 9	12688	10752	76908	20007	20007	1	Si
45	0.172	7.6	0	11813	SLD 9	11813	9541	76908	20007	20007	1	Si
68	0.172	7.6	0	10944	SLD 9	10944	9541	76908	20007	20007	1	Si
91	0.172	7.6	0	10075	SLD 9	10075	9541	76908	20007	20007	1	Si
102	0.136	7.6	0	9641	SLD 9	9641	9541	76908	15807	15807	1	Si
125	0.136	7.6	0	8772	SLD 9	8772	9541	76908	15807	15807	1	Si
147	0.136	7.6	0	7904	SLD 9	7904	9541	76908	15807	15807	1	Si
170	0.136	7.6	0	7035	SLD 9	7035	9541	76908	15807	15807	1	Si
193	0.136	7.6	0	6166	SLD 9	6166	9541	76908	15807	15807	1	Si
193	0.136	7.6	0	-306	SLD 7	-306	-9541	-76908	-15807	-15807	1	Si
215	0.136	7.6	0	5297	SLD 9	5297	9541	76908	15807	15807	1	Si
215	0.136	7.6	0	-1175	SLD 7	-1175	-9541	-76908	-15807	-15807	1	Si
238	0.136	11.4	0	4429	SLD 9	4429	10922	76908	15807	15807	1	Si
238	0.136	7.6	0	-2043	SLD 7	-2043	-9541	-76908	-15807	-15807	1	Si
261	0.101	11.4	0	3560	SLD 9	3560	10922	76908	11671	11671	1	Si
261	0.101	7.6	0	-2912	SLD 7	-2912	-9541	-76908	-11671	-11671	1	Si
272	0.101	11.4	0	3126	SLD 9	3126	10922	76908	11671	11671	1	Si
272	0.101	7.6	0	-3346	SLD 7	-3346	-9541	-76908	-11671	-11671	1	Si
295	0.101	11.4	0	2257	SLD 9	2257	10922	76908	11671	11671	1	Si
295	0.101	7.6	0	-4215	SLD 7	-4215	-9541	-76908	-11671	-11671	1	Si
318	0.101	11.4	0	1382	SLD 9	1382	10922	76908	11671	11671	1	Si
318	0.101	9.24	0	-5090	SLD 7	-5090	-10182	-76908	-11671	-11671	1	Si
340	0	11.4	0	339	SLD 9	339	10922	76908	0	10922	1	Si
340	0	10.31	0	-6133	SLD 7	-6133	-10561	-76908	0	-10561	1	Si

Verifiche delle tensioni in esercizio

x	Rara	Quasi permanente	Verifica

	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1602380	3	-1478395	46	124.5	1662.5	1837	-1521873	2	-1405875	43.8	93.4	0	+∞	Si
23	-1364920	3	-1364920	42.5	124.5	1534.9	1837	-1299540	2	-1299540	40.5	93.4	0	+∞	Si
45	-1145372	3	-1364920	42.6	124.5	1540	1837	-1093616	2	-1299540	40.5	93.4	0	+∞	Si
68	-948999	3	-1205346	39.6	124.5	1574.5	1837	-909028	2	-1149897	37.8	93.4	0	+∞	Si
91	-774047	3	-1002925	35.2	124.5	1558.2	1837	-744134	2	-959749	33.6	93.4	0	+∞	Si
102	-694604	3	-909748	20.4	124.5	315.5	1837	-669073	2	-872061	35	93.4	0	+∞	Si
125	-551782	3	-739459	16.6	124.5	256.4	1837	-533719	2	-711454	28.6	93.4	0	+∞	Si
147	-430381	3	-590590	13.3	124.5	204.8	1837	-418060	2	-570541	22.9	93.4	0	+∞	Si
170	-330642	9	-463142	10.4	124.5	160.6	1837	-322095	2	-449322	18	93.4	0	+∞	Si
193	-253064	9	-357115	8	124.5	123.8	1837	-245823	2	-347797	14	93.4	0	+∞	Si
215	-195612	9	-273545	6.1	124.5	94.9	1837	-189245	2	-265965	10.7	93.4	0	+∞	Si
238	-158984	3	-210411	4.7	124.5	73	1837	-152361	2	-203827	8.2	93.4	0	+∞	Si
261	-144687	3	-167556	6.1	124.5	288.8	1837	-135170	2	-161384	5.9	93.4	0	+∞	Si
272	-145570	3	-173392	6.2	124.5	283.8	1837	-133960	2	-153967	5.5	93.4	0	+∞	Si
295	-163702	2	-203800	7	124.5	303.2	1837	-146311	2	-178706	6.2	93.4	0	+∞	Si
318	-203800	2	-203800	7	124.5	302.5	1837	-178706	2	-178706	6.2	93.4	0	+∞	Si
340	-264847	2	-228886	7.9	124.5	339.7	1837	-230423	2	-199568	6.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
23	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.016	1	-0.017	1	9999	Si
45	-0.01	-0.011	-0.01	-0.011	-0.01	-0.011	-0.01	-0.011	-0.01	-0.011	-0.026	1	-0.029	1	9999	Si
68	-0.013	-0.014	-0.013	-0.014	-0.013	-0.014	-0.013	-0.014	-0.013	-0.013	-0.033	1	-0.036	1	9999	Si
91	-0.014	-0.016	-0.014	-0.016	-0.014	-0.015	-0.014	-0.015	-0.014	-0.015	-0.037	1	-0.04	1	9226	Si
102	-0.015	-0.016	-0.015	-0.017	-0.015	-0.016	-0.015	-0.016	-0.015	-0.016	-0.038	1	-0.041	1	8928	Si
125	-0.015	-0.016	-0.015	-0.017	-0.015	-0.016	-0.015	-0.016	-0.015	-0.016	-0.039	1	-0.042	1	8707	Si
147	-0.015	-0.016	-0.015	-0.017	-0.015	-0.016	-0.015	-0.016	-0.015	-0.015	-0.038	1	-0.041	1	8865	Si
170	-0.014	-0.015	-0.014	-0.016	-0.014	-0.015	-0.014	-0.015	-0.014	-0.015	-0.036	1	-0.039	1	9356	Si
193	-0.013	-0.014	-0.013	-0.014	-0.013	-0.013	-0.013	-0.014	-0.013	-0.013	-0.033	1	-0.036	1	9999	Si
215	-0.011	-0.012	-0.011	-0.013	-0.011	-0.012	-0.011	-0.012	-0.011	-0.012	-0.029	1	-0.032	1	9999	Si
238	-0.009	-0.01	-0.01	-0.011	-0.009	-0.01	-0.01	-0.011	-0.009	-0.01	-0.025	1	-0.027	1	9999	Si
261	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.02	1	-0.022	1	9999	Si
272	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.018	1	-0.019	1	9999	Si
295	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.013	1	9999	Si
318	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	1	-0.007	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	9452	9216	20007	SLV 9	0.41	992	1.146	-1299540	-1169860	-1873055	SLV 9	0.18	146	0.522	No
45	8577	9216	20007	SLV 9	0.45	1225	1.249	-1299540	-1169860	-1866865	SLV 9	0.18	143	0.518	No
68	7708	9216	20007	SLV 9	0.48	1487	1.352	-1149897	-1050650	-1613379	SLV 9	0.17	118	0.479	No
91	6839	9216	20007	SLV 9	0.51	1785	1.458	-959749	-886634	-1359793	SLV 9	0.17	124	0.488	No
102	6405	9216	15807	SLV 9	0.37	747	1.02	-872061	-804859	-970824	SLV 9	0.04	9	0.167	No
125	5536	9216	15807	SLV 9	0.4	927	1.114	-711454	-642041	-970824	SLV 9	0.15	99	0.445	No
147	4668	9216	15807	SLV 9	0.44	1144	1.215	-570541	-480978	-970824	SLV 9	0.3	458	0.835	No
170	3799	9216	15807	SLV 9	0.47	1396	1.318	-449322	-324413	-970824	SLV 9	0.57	2447	1.659	Si
193	2930	9216	15807	SLV 9	0.5	1681	1.422	-177442	-363691	-970824	SLV 11	0.57	2474	1.666	Si
215	2061	9216	15807	SLV 9	0.53	2002	1.528	-146118	-511727	-970824	SLV 11	0.57	2463	1.663	Si
238	1193	9216	15807	SLV 9	0.56	2359	1.634	-134487	-665590	-970824	SLV 11	0.45	1268	1.267	Si
261	324	9216	11671	SLV 9	0.44	1201	1.239	-142551	-823363	-1228754	SLV 11	0.47	1442	1.336	Si
272	-110	-9216	-11671	SLV 7	0.45	1262	1.264	-153967	-903288	-1292173	SLV 11	0.45	1277	1.271	Si
295	-979	-9216	-11671	SLV 7	0.42	1026	1.162	-178706	-1020050	-1418994	SLV 11	0.44	1162	1.222	Si
318	-1854	-9216	-11671	SLV 7	0.39	830	1.065	-178706	-1020050	-1422094	SLV 11	0.44	1170	1.226	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	9452	3236	20007	SLD 9	0.44	1146	3.058	-1299540	-517694	-1873055	SLD 9	0.16	102	1.134	Si
45	8577	3236	20007	SLD 9	0.47	1415	3.335	-1299540	-517694	-1866865	SLD 9	0.15	99	1.121	Si
68	7708	3236	20007	SLD 9	0.5	1720	3.612	-1149897	-464944	-1613379	SLD 9	0.14	82	1.037	No
91	6839	3236	20007	SLD 9	0.54	2065	3.894	-959749	-392365	-1359793	SLD 9	0.14	86	1.058	Si
102	6405	3236	15807	SLD 9	0.39	850	2.706	-872061	-356175	-970824	SLD 9	0.04	6	0.355	No
125	5536	3236	15807	SLD 9	0.43	1064	2.967	-711454	-284111	-970824	SLD 9	0.13	69	0.966	No
147	4668	3236	15807	SLD 9	0.46	1322	3.243	-570541	-212799	-970824	SLD 9	0.26	311	1.792	Si
170	3799	3236	15807	SLD 9	0.49	1614	3.519	-449322	-143413	-970824	SLD 9	0.48	1529	3.442	Si
193	2930	3236	15807	SLD 9	0.53	1946	3.8	-347797	-100311	-970824	SLD 13	0.6	2474	4.193	Si
215	2061	3236	15807	SLD 9	0.56	2317	4.082	-146118	-226045	-970824	SLD 11	0.49	1542	3.454	Si
238	1193	3236	15807	SLD 9	0.59	2474	4.193	-134487	-294154	-970824	SLD 11	0.38	807	2.649	Si
261	324	3236	11671	SLD 9	0.47	1388	3.308	-142551	-363978	-1228754	SLD 11	0.4	908	2.78	Si
272	-110	-3236	-11671	SLD 7	0.48	1458	3.376	-153967	-399347	-1292173	SLD 11	0.38	811	2.654	Si
295	-979	-3236	-11671	SLD 7	0.44	1186	3.102	-178706	-451014	-1418994	SLD 11	0.37	744	2.562	Si
318	-1854	-3236	-11671	SLD 7	0.41	945	2.826	-178706	-451014	-1422094	SLD 11	0.37	748	2.568	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 49-37

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35

Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x60	Rettangolare	30	60	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - ?, sezione R 30x60, asta 994

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	136463	SLU 35	136463	796256	0.099						Si
15	7.6	5.4	7.6	5.4	171210	SLU 36	227033	796256	0.099						Si
19	7.6	5.4	7.6	5.4	180965	SLU 36	233764	796256	0.099						Si
37	7.6	5.4	7.6	5.4	222927	SLU 36	265490	796256	0.099						Si
56	7.6	5.4	7.6	5.4	256569	SLU 30	287488	796256	0.099						Si
75	7.6	5.4	7.6	5.4	282035	SLU 30	298518	796256	0.099						Si
84	7.6	5.4	7.6	5.4	290656	SLU 30	299921	796256	0.099						Si
93	7.6	5.4	7.6	5.4	296534	SLU 30	300066	796256	0.099						Si
103	7.6	5.4	7.6	5.4	299671	SLU 30	300066	796256	0.099						Si
121	7.6	5.4	7.6	5.4	297719	SLU 30	300066	796256	0.099						Si
140	7.6	5.4	7.6	5.4	284800	SLU 30	299204	796256	0.099						Si
159	7.6	5.4	7.6	5.4	260915	SLU 30	289753	796256	0.099						Si
177	7.6	5.4	7.6	5.4	226326	SLU 29	269336	796256	0.099						Si
196	7.6	5.4	7.6	5.4	180895	SLU 29	238092	796256	0.099						Si
215	7.6	5.4	7.6	5.4	124496	SLU 29	196129	796256	0.099						Si
224	7.6	5.4	7.6	5.4	92184	SLU 29	171035	796256	0.099	39928	SLU 8	-26780	-796256	0.099	Si
243	7.6	5.4	7.6	5.4	19335	SLU 29	112622	796256	0.099	-5634	SLU 8	-91385	-796256	0.099	Si
261	7.6	5.4	7.6	5.4	-45726	SLU 2	43241	796256	0.099	-76133	SLU 35	-91385	-796256	0.099	Si
265	7.6	5.4	7.6	5.4	-59629	SLU 2	28393	796256	0.099	-91385	SLU 35	-91385	-796256	0.099	Si
280	7.6	5.4	7.6	5.4						-165360	SLU 36	-126867	-796256	0.099	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	1361676	SLV 11	1311705	796256	0.099	-1186282	SLV 5	-1103136	-796256	0.099	No
15	7.6	5.4	7.6	5.4	1259573	SLV 11	1259573	796256	0.099	-1022152	SLV 5	-1022152	-796256	0.099	No
19	7.6	5.4	7.6	5.4	1234164	SLV 11	1259573	796256	0.099	-982482	SLV 5	-1022152	-796256	0.099	No
37	7.6	5.4	7.6	5.4	1099277	SLV 11	1259573	796256	0.099	-786057	SLV 5	-1022152	-796256	0.099	No
56	7.6	5.4	7.6	5.4	957015	SLV 11	1142518	796256	0.099	-597007	SLV 5	-847593	-796256	0.099	No
75	7.6	5.4	7.6	5.4	807379	SLV 11	1002588	796256	0.099	-415332	SLV 5	-656211	-796256	0.099	No
84	7.6	5.4	7.6	5.4	729795	SLV 11	929858	796256	0.099	-327260	SLV 5	-563285	-796256	0.099	No
103	7.6	5.4	7.6	5.4	569098	SLV 11	778867	796256	0.099	-156648	SLV 5	-382966	-796256	0.099	Si
121	7.6	5.4	7.6	5.4	401028	SLV 11	620501	796256	0.099	6585	SLV 5	-210021	-796256	0.099	Si
140	7.6	5.4	7.6	5.4	225667	SLV 11	454763	796256	0.099	162362	SLV 5	-44454	-796256	0.099	Si
159	7.6	5.4	7.6	5.4	310960	SLV 5	494945	796256	0.099	42734	SLV 11	-209357	-796256	0.099	Si
177	7.6	5.4	7.6	5.4	452068	SLV 5	626350	796256	0.099	-147458	SLV 11	-409261	-796256	0.099	Si
196	7.6	5.4	7.6	5.4	585805	SLV 5	750382	796256	0.099	-345029	SLV 11	-616540	-796256	0.099	Si
215	7.6	5.4	7.6	5.4	712168	SLV 5	867039	796256	0.099	-549976	SLV 11	-831195	-796256	0.099	No
224	7.6	5.4	7.6	5.4	772585	SLV 5	922601	796256	0.099	-655216	SLV 11	-941288	-796256	0.099	No
243	7.6	5.4	7.6	5.4	887886	SLV 5	1015927	796256	0.099	-871225	SLV 11	-1139576	-796256	0.099	No
261	7.6	5.4	7.6	5.4	995813	SLV 5	1015927	796256	0.099	-1094610	SLV 11	-1139576	-796256	0.099	No
265	7.6	5.4	7.6	5.4	1015927	SLV 5	1015927	796256	0.099	-1139576	SLV 11	-1139576	-796256	0.099	No
280	7.6	5.4	7.6	5.4	1096366	SLV 5	1057227	796256	0.099	-1325370	SLV 11	-1231392	-796256	0.099	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	651477	SLD 11	638610	796256	0.099	-476083	SLD 5	-430042	-796256	0.099	Si
15	7.6	5.4	7.6	5.4	623582	SLD 11	623582	796256	0.099	-386161	SLD 5	-386161	-796256	0.099	Si
19	7.6	5.4	7.6	5.4	616313	SLD 11	623582	796256	0.099	-364631	SLD 5	-386161	-796256	0.099	Si
37	7.6	5.4	7.6	5.4	573773	SLD 11	623582	796256	0.099	-260553	SLD 5	-386161	-796256	0.099	Si
56	7.6	5.4	7.6	5.4	523859	SLD 11	587809	796256	0.099	-163851	SLD 5	-292885	-796256	0.099	Si
75	7.6	5.4	7.6	5.4	466570	SLD 11	540227	796256	0.099	-74523	SLD 5	-193850	-796256	0.099	Si
84	7.6	5.4	7.6	5.4	435160	SLD 11	513671	796256	0.099	-32624	SLD 5	-147098	-796256	0.099	Si
103	7.6	5.4	7.6	5.4	366809	SLD 11	455026	796256	0.099	45641	SLD 5	-59125	-796256	0.099	Si
121	7.6	5.4	7.6	5.4	291084	SLD 11	389008	796256	0.099						Si
140	7.6	5.4	7.6	5.4	208022	SLD 11	315615	796256	0.099						Si
159	7.6	5.4	7.6	5.4	236197	SLD 5	298633	796256	0.099	117497	SLD 11	-13045	-796256	0.099	Si
177	7.6	5.4	7.6	5.4	284961	SLD 5	337692	796256	0.099	19649	SLD 11	-120602	-796256	0.099	Si
196	7.6	5.4	7.6	5.4	326351	SLD 5	369376	796256	0.099	-85576	SLD 11	-235535	-796256	0.099	Si
215	7.6	5.4	7.6	5.4	360368	SLD 5	393686	796256	0.099	-198176	SLD 11	-357842	-796256	0.099	Si
224	7.6	5.4	7.6	5.4	374611	SLD 5	403075	796256	0.099	-257241	SLD 11	-421762	-796256	0.099	Si
243	7.6	5.4	7.6	5.4	397565	SLD 5	415119	796256	0.099	-380904	SLD 11	-538767	-796256	0.099	Si
261	7.6	5.4	7.6	5.4	413145	SLD 5	415119	796256	0.099	-511942	SLD 11	-538767	-796256	0.099	Si
265	7.6	5.4	7.6	5.4	415119	SLD 5	415119	796256	0.099	-538767	SLD 11	-538767	-796256	0.099	Si
280	7.6	5.4	7.6	5.4	421350	SLD 5	419315	796256	0.099	-650354	SLD 11	-593480	-796256	0.099	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3441	SLU 29	3441	6713	43335	0	6713	1	Si
15	0.134	7.6	0	2969	SLU 29	2969	6713	43335	13152	13152	1	Si
19	0.134	7.6	0	2854	SLU 29	2854	6713	43335	13152	13152	1	Si
37	0.134	7.6	0	2266	SLU 29	2266	6713	43335	13152	13152	1	Si
56	0.134	7.6	0	1679	SLU 29	1679	6713	43335	13152	13152	1	Si
75	0.134	7.6	0	1091	SLU 29	1091	6713	43335	13152	13152	1	Si
84	0.139	7.6	0	798	SLU 29	798	6713	43335	13658	13658	1	Si
103	0.139	7.6	0	226	SLU 11	226	6713	43335	13658	13658	1	Si
103	0.139	7.6	0	-138	SLU 26	-138	-6713	-43335	-13658	-13658	1	Si
121	0.139	7.6	0	-583	SLU 35	-583	-6713	-43335	-13658	-13658	1	Si
140	0.139	7.6	0	-1050	SLU 36	-1050	-6713	-43335	-13658	-13658	1	Si
159	0.139	7.6	0	-1600	SLU 36	-1600	-6713	-43335	-13658	-13658	1	Si
177	0.139	7.6	0	-2161	SLU 30	-2161	-6713	-43335	-13658	-13658	1	Si
196	0.139	7.6	0	-2748	SLU 30	-2748	-6713	-43335	-13658	-13658	1	Si
215	0.151	7.6	0	-3336	SLU 30	-3336	-6713	-43335	-14796	-14796	1	Si
224	0.151	7.6	0	-3630	SLU 30	-3630	-6713	-43335	-14796	-14796	1	Si
243	0.151	7.6	0	-4217	SLU 30	-4217	-6713	-43335	-14796	-14796	1	Si
261	0.151	7.6	0	-4805	SLU 30	-4805	-6713	-43335	-14796	-14796	1	Si
265	0.151	7.6	0	-4920	SLU 30	-4920	-6713	-43335	-14796	-14796	1	Si
280	0	7.6	0	-5392	SLU 30	-5392	-6713	-43335	0	-6713	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	11115	SLV 5	13423	6713	43335	0	6713	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-6633	SLV 11	-8941	-6713	-43335	0	-6713	1	Si
15	0.134	7.6	0	10798	SLV 5	13105	6713	43335	13152	13152	1	Si
15	0.134	7.6	0	-6951	SLV 11	-9258	-6713	-43335	-13152	-13152	1	Si
19	0.134	7.6	0	10720	SLV 5	13028	6713	43335	13152	13152	1	Si
19	0.134	7.6	0	-7029	SLV 11	-9336	-6713	-43335	-13152	-13152	1	Si
37	0.134	7.6	0	10325	SLV 5	12633	6713	43335	13152	13152	1	Si
37	0.134	7.6	0	-7424	SLV 11	-9731	-6713	-43335	-13152	-13152	1	Si
56	0.134	7.6	0	9930	SLV 5	12238	6713	43335	13152	13152	1	Si
56	0.134	7.6	0	-7819	SLV 11	-10126	-6713	-43335	-13152	-13152	1	Si
75	0.134	7.6	0	9535	SLV 5	11842	6713	43335	13152	13152	1	Si
75	0.134	7.6	0	-8214	SLV 11	-10521	-6713	-43335	-13152	-13152	1	Si
84	0.139	7.6	0	9338	SLV 5	11645	6713	43335	13658	13658	1	Si
84	0.139	7.6	0	-8411	SLV 11	-10719	-6713	-43335	-13658	-13658	1	Si
103	0.139	7.6	0	8942	SLV 5	11250	6713	43335	13658	13658	1	Si
103	0.139	7.6	0	-8806	SLV 11	-11114	-6713	-43335	-13658	-13658	1	Si
121	0.139	7.6	0	8547	SLV 5	10855	6713	43335	13658	13658	1	Si
121	0.139	7.6	0	-9202	SLV 11	-11509	-6713	-43335	-13658	-13658	1	Si
140	0.139	7.6	0	8152	SLV 5	10460	6713	43335	13658	13658	1	Si
140	0.139	7.6	0	-9597	SLV 11	-11904	-6713	-43335	-13658	-13658	1	Si
159	0.139	7.6	0	7757	SLV 5	10065	6713	43335	13658	13658	1	Si
159	0.139	7.6	0	-9992	SLV 11	-12299	-6713	-43335	-13658	-13658	1	Si
177	0.139	7.6	0	7362	SLV 5	9669	6713	43335	13658	13658	1	Si
177	0.139	7.6	0	-10387	SLV 11	-12694	-6713	-43335	-13658	-13658	1	Si
196	0.139	7.6	0	6967	SLV 5	9274	6713	43335	13658	13658	1	Si
196	0.139	7.6	0	-10782	SLV 11	-13089	-6713	-43335	-13658	-13658	1	Si
215	0.151	7.6	0	6572	SLV 5	8879	6713	43335	14796	14796	1	Si
215	0.151	7.6	0	-11177	SLV 11	-13484	-6713	-43335	-14796	-14796	1	Si
224	0.151	7.6	0	6374	SLV 5	8682	6713	43335	14796	14796	1	Si
224	0.151	7.6	0	-11374	SLV 11	-13682	-6713	-43335	-14796	-14796	1	Si
243	0.151	7.6	0	5979	SLV 5	8287	6713	43335	14796	14796	1	Si
243	0.151	7.6	0	-11770	SLV 11	-14077	-6713	-43335	-14796	-14796	1	Si
261	0.151	7.6	0	5584	SLV 5	7892	6713	43335	14796	14796	1	Si
261	0.151	7.6	0	-12165	SLV 11	-14472	-6713	-43335	-14796	-14796	1	Si
265	0.151	7.6	0	5507	SLV 5	7814	6713	43335	14796	14796	1	Si
265	0.151	7.6	0	-12242	SLV 11	-14550	-6713	-43335	-14796	-14796	1	Si
280	0	7.6	0	5189	SLV 5	7497	6713	43335	0	6713	1	Si
280	0	7.6	0	-12560	SLV 11	-14867	-6713	-43335	0	-6713	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	6168	SLD 5	6168	6713	43335	0	6713	1	Si
0	0	7.6	0	-1686	SLD 11	-1686	-6713	-43335	0	-6713	1	Si
15	0.134	7.6	0	5851	SLD 5	5851	6713	43335	13152	13152	1	Si
15	0.134	7.6	0	-2004	SLD 11	-2004	-6713	-43335	-13152	-13152	1	Si
19	0.134	7.6	0	5773	SLD 5	5773	6713	43335	13152	13152	1	Si
19	0.134	7.6	0	-2081	SLD 11	-2081	-6713	-43335	-13152	-13152	1	Si
37	0.134	7.6	0	5378	SLD 5	5378	6713	43335	13152	13152	1	Si
37	0.134	7.6	0	-2476	SLD 11	-2476	-6713	-43335	-13152	-13152	1	Si
56	0.134	7.6	0	4983	SLD 5	4983	6713	43335	13152	13152	1	Si
56	0.134	7.6	0	-2872	SLD 11	-2872	-6713	-43335	-13152	-13152	1	Si
75	0.134	7.6	0	4588	SLD 5	4588	6713	43335	13152	13152	1	Si
75	0.134	7.6	0	-3267	SLD 11	-3267	-6713	-43335	-13152	-13152	1	Si
84	0.139	7.6	0	4390	SLD 5	4390	6713	43335	13658	13658	1	Si
84	0.139	7.6	0	-3464	SLD 11	-3464	-6713	-43335	-13658	-13658	1	Si
103	0.139	7.6	0	3995	SLD 5	3995	6713	43335	13658	13658	1	Si
103	0.139	7.6	0	-3859	SLD 11	-3859	-6713	-43335	-13658	-13658	1	Si
121	0.139	7.6	0	3600	SLD 5	3600	6713	43335	13658	13658	1	Si
121	0.139	7.6	0	-4254	SLD 11	-4254	-6713	-43335	-13658	-13658	1	Si
140	0.139	7.6	0	3205	SLD 5	3205	6713	43335	13658	13658	1	Si
140	0.139	7.6	0	-4649	SLD 11	-4649	-6713	-43335	-13658	-13658	1	Si
159	0.139	7.6	0	2810	SLD 5	2810	6713	43335	13658	13658	1	Si
159	0.139	7.6	0	-5044	SLD 11	-5044	-6713	-43335	-13658	-13658	1	Si
177	0.139	7.6	0	2415	SLD 5	2415	6713	43335	13658	13658	1	Si
177	0.139	7.6	0	-5440	SLD 11	-5440	-6713	-43335	-13658	-13658	1	Si
196	0.139	7.6	0	2020	SLD 5	2020	6713	43335	13658	13658	1	Si
196	0.139	7.6	0	-5835	SLD 11	-5835	-6713	-43335	-13658	-13658	1	Si
215	0.151	7.6	0	1625	SLD 5	1625	6713	43335	14796	14796	1	Si
215	0.151	7.6	0	-6230	SLD 11	-6230	-6713	-43335	-14796	-14796	1	Si
224	0.151	7.6	0	1427	SLD 5	1427	6713	43335	14796	14796	1	Si
224	0.151	7.6	0	-6427	SLD 11	-6427	-6713	-43335	-14796	-14796	1	Si
243	0.151	7.6	0	1032	SLD 5	1032	6713	43335	14796	14796	1	Si
243	0.151	7.6	0	-6822	SLD 11	-6822	-6713	-43335	-14796	-14796	1	Si
261	0.151	7.6	0	637	SLD 5	637	6713	43335	14796	14796	1	Si
261	0.151	7.6	0	-7217	SLD 11	-7217	-6713	-43335	-14796	-14796	1	Si
265	0.151	7.6	0	559	SLD 5	559	6713	43335	14796	14796	1	Si
265	0.151	7.6	0	-7295	SLD 11	-7295	-6713	-43335	-14796	-14796	1	Si
280	0	7.6	0	242	SLD 5	242	6713	43335	0	6713	1	Si
280	0	7.6	0	-7612	SLD 11	-7612	-6713	-43335	0	-6713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	101771	8	101771	6.9	124.5	270.5	1837	92110	1	92110	6.2	93.4	0	+∞	Si
15	127638	9	168354	11.4	124.5	447.5	1837	118710	2	159634	10.8	93.4	0	+∞	Si
19	134759	9	173256	11.7	124.5	460.5	1837	125841	2	164591	11.1	93.4	0	+∞	Si
37	165364	9	196127	13.2	124.5	521.3	1837	156610	2	185653	12.5	93.4	0	+∞	Si
56	189731	3	211822	14.3	124.5	563	1837	180004	2	199340	13.5	93.4	0	+∞	Si
75	207956	3	219515	14.8	124.5	583.5	1837	196023	2	205653	13.9	93.4	0	+∞	Si
84	214068	3	220361	14.9	124.5	585.7	1837	201268	2	206225	13.9	93.4	0	+∞	Si
103	220291	3	220401	14.9	124.5	585.8	1837	206225	2	206225	13.9	93.4	0	+∞	Si
121	218511	3	220401	14.9	124.5	585.8	1837	203807	2	206225	13.9	93.4	0	+∞	Si
140	208730	3	219707	14.8	124.5	584	1837	194014	2	205155	13.9	93.4	0	+∞	Si
159	190946	3	212456	14.3	124.5	564.7	1837	176847	2	197694	13.4	93.4	0	+∞	Si
177	165337	2	197203	13.3	124.5	524.2	1837	152305	2	182859	12.4	93.4	0	+∞	Si
196	131809	2	174042	11.8	124.5	462.6	1837	120388	2	160649	10.9	93.4	0	+∞	Si
215	90278	2	143045	9.7	124.5	380.2	1837	81096	2	131065	8.9	93.4	0	+∞	Si
224	66512	2	124545	8.4	124.5	331	1837	58685	2	113507	7.7	93.4	0	+∞	Si
243	12979	2	81544	5.5	124.5	216.7	1837	8331	2	72860	4.9	93.4	0	+∞	Si
243	-3211	8	-67705	4.6	124.5	180	1837								Si
261	-56325	8	-67705	4.6	124.5	180	1837	-50661	1	-61827	4.2	93.4	0	+∞	Si
265	-67705	8	-67705	4.6	124.5	180	1837	-61827	1	-61827	4.2	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
280	-122158	9	-93827	6.3	124.5	249.4	1837	-114502	2	-87083	5.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
19	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
37	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
56	0.008	0.007	0.006	0.005	0.007	0.007	0.006	0.005	0.007	0.007	0.015	2	0.013	2	9999	Si
75	0.01	0.008	0.008	0.007	0.009	0.008	0.007	0.007	0.009	0.008	0.018	2	0.016	2	9999	Si
84	0.01	0.009	0.008	0.007	0.01	0.009	0.008	0.007	0.01	0.009	0.019	2	0.017	2	9999	Si
103	0.011	0.009	0.009	0.008	0.011	0.009	0.009	0.008	0.01	0.009	0.021	2	0.019	2	9999	Si
121	0.012	0.01	0.01	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.022	2	0.02	2	9999	Si
131	0.012	0.01	0.01	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.022	2	0.02	2	9999	Si
140	0.012	0.01	0.01	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.022	2	0.02	2	9999	Si
159	0.011	0.009	0.009	0.008	0.011	0.009	0.009	0.008	0.01	0.009	0.021	2	0.019	2	9999	Si
177	0.01	0.008	0.008	0.007	0.01	0.008	0.008	0.007	0.009	0.008	0.019	2	0.017	2	9999	Si
196	0.009	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.016	2	0.014	2	9999	Si
215	0.007	0.006	0.006	0.005	0.007	0.006	0.005	0.005	0.007	0.006	0.013	2	0.011	2	9999	Si
224	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.011	2	0.01	2	9999	Si
243	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.006	2	9999	Si
261	0.002	0.001	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
265	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	1923	11182	13152	SLV 5	0.37	719	1.004	118710	1140862	796256	SLV 11	0.22	220	0.618	No
19	1846	11182	13152	SLV 5	0.37	731	1.011	118710	1140862	796256	SLV 11	0.22	220	0.618	No
37	1451	11182	13152	SLV 5	0.38	795	1.046	118710	1140862	796256	SLV 11	0.22	220	0.618	No
56	1056	11182	13152	SLV 5	0.39	862	1.082	147462	995055	796256	SLV 11	0.24	269	0.671	No
75	661	11182	13152	SLV 5	0.4	932	1.117	173189	829400	796256	SLV 11	0.28	367	0.762	No
84	463	11182	13658	SLV 5	0.43	1074	1.184	183286	746572	796256	SLV 11	0.3	445	0.825	No
103	68	11182	13658	SLV 5	0.44	1161	1.222	197951	580916	796256	SLV 11	0.37	764	1.029	Si
121	-327	-11182	-13658	SLV 11	0.43	1103	1.197	205240	415261	796256	SLV 11	0.51	1767	1.452	Si
140	-722	-11182	-13658	SLV 11	0.42	1019	1.158	205155	249608	796256	SLV 11	0.57	2474	1.666	Si
159	-1117	-11182	-13658	SLV 11	0.41	941	1.121	142794	352151	796256	SLV 5	0.57	2474	1.666	Si
177	-1512	-11182	-13658	SLV 11	0.39	870	1.086	108545	517805	796256	SLV 5	0.48	1468	1.345	Si
196	-1907	-11182	-13658	SLV 11	0.38	803	1.051	66921	683461	796256	SLV 5	0.39	834	1.067	Si
215	-2302	-11182	-14796	SLV 11	0.4	933	1.117	17922	849117	796256	SLV 5	0.33	576	0.917	No
224	-2500	-11182	-14796	SLV 11	0.4	897	1.099	-9343	-931945	-796256	SLV 11	0.31	473	0.846	No
243	-2895	-11182	-14796	SLV 11	0.39	828	1.064	-61824	-1077751	-796256	SLV 11	0.25	295	0.697	No
261	-3290	-11182	-14796	SLV 11	0.37	763	1.029	-61824	-1077751	-796256	SLV 11	0.25	295	0.697	No
265	-3368	-11182	-14796	SLV 11	0.37	750	1.022	-61824	-1077751	-796256	SLV 11	0.25	295	0.697	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	1923	3927	13152	SLD 5	0.38	818	2.664	118710	504872	796256	SLD 11	0.19	150	1.329	Si
19	1846	3927	13152	SLD 5	0.39	832	2.682	118710	504872	796256	SLD 11	0.19	150	1.329	Si
37	1451	3927	13152	SLD 5	0.4	905	2.776	118710	504872	796256	SLD 11	0.19	150	1.329	Si
56	1056	3927	13152	SLD 5	0.41	982	2.871	147462	440347	796256	SLD 11	0.2	183	1.442	Si
75	661	3927	13152	SLD 5	0.43	1071	2.975	173189	367038	796256	SLD 11	0.23	248	1.633	Si
84	463	3927	13658	SLD 5	0.45	1240	3.159	183286	330384	796256	SLD 11	0.26	302	1.77	Si
103	68	3927	13658	SLD 5	0.46	1340	3.261	197951	257076	796256	SLD 11	0.32	498	2.173	Si
121	-327	-3927	-13658	SLD 11	0.45	1273	3.193	205240	183768	796256	SLD 11	0.43	1104	3.012	Si
140	-722	-3927	-13658	SLD 11	0.44	1176	3.091	205155	110460	796256	SLD 11	0.6	2474	4.193	Si
159	-1117	-3927	-13658	SLD 11	0.43	1082	2.987	142794	155839	796256	SLD 5	0.55	2238	4.024	Si
177	-1512	-3927	-13658	SLD 11	0.41	993	2.884	108545	229147	796256	SLD 5	0.4	921	2.796	Si
196	-1907	-3927	-13658	SLD 11	0.4	914	2.787	66921	302456	796256	SLD 5	0.33	541	2.248	Si
215	-2302	-3927	-14796	SLD 11	0.43	1072	2.976	17922	375764	796256	SLD 5	0.28	385	1.956	Si
224	-2500	-3927	-14796	SLD 11	0.42	1026	2.923	-9343	-412418	-796256	SLD 11	0.26	322	1.817	Si
243	-2895	-3927	-14796	SLD 11	0.41	942	2.822	-61824	-476943	-796256	SLD 11	0.21	201	1.498	Si
261	-3290	-3927	-14796	SLD 11	0.39	868	2.729	-61824	-476943	-796256	SLD 11	0.21	201	1.498	Si
265	-3368	-3927	-14796	SLD 11	0.39	853	2.71	-61824	-476943	-796256	SLD 11	0.21	201	1.498	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 49A-54

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 49A - 49B, sezione R 45x70, asta 769

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	5.4	447752	SLU 30	447752	2773116	0.1						Si
22	15.21	5.4	22.81	5.4	449631	SLU 30	449542	2773116	0.1						Si
23	15.21	5.4	22.81	5.4	449385	SLU 30	449385	2773116	0.1						Si
44	15.21	5.4	22.81	5.4	434222	SLU 30	449385	2773116	0.1						Si
66	15.21	5.4	22.61	5.4	401525	SLU 30	440550	2750269	0.1						Si
88	13.83	5.4	19.65	5.4	351539	SLU 30	413397	2399493	0.096						Si
99	12.79	5.4	15.21	5.4	320063	SLU 30	393337	1872924	0.089						Si
121	10.71	5.4	15.21	5.4	244159	SLU 29	340251	1873129	0.09						Si
143	7.6	5.4	15.21	5.4	151145	SLU 29	269877	1873491	0.092	96875	SLU 8	-2519	-971252	0.079	Si
165	7.6	5.4	15.21	5.4	41476	SLU 20	182359	1873491	0.092	28926	SLU 17	-132477	-971252	0.079	Si
187	7.6	5.4	15.21	5.4	-45456	SLU 1	77600	1873491	0.092	-87340	SLU 30	-283094	-971252	0.079	Si
209	7.6	5.4	15.21	5.4						-232413	SLU 30	-450999	-971252	0.079	Si
231	7.6	5.4	15.21	5.4						-394773	SLU 30	-636192	-971252	0.079	Si
253	12.16	5.4	15.21	5.4						-574422	SLU 30	-838674	-1512328	0.085	Si
264	13.2	5.4	15.21	5.4						-670730	SLU 30	-946398	-1635336	0.086	Si
286	15.21	5.4	15.21	5.4						-876312	SLU 30	-1094137	-1872764	0.089	Si
308	15.21	5.4	15.21	5.4						-1094137	SLU 30	-1094137	-1872764	0.089	Si
308	15.21	5.4	15.21	5.4						-1099182	SLU 30	-1099182	-1872764	0.089	Si
330	15.21	5.4	15.21	5.4						-1339341	SLU 30	-1212269	-1872764	0.089	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	5.4	2556947	SLV 15	2442121	2773116	0.1	-1927281	SLV 1	-1805951	-1872416	0.087	Si
22	15.21	5.4	22.81	5.4	2325980	SLV 15	2325878	2773116	0.1	-1695155	SLV 1	-1695155	-1872416	0.087	Si
23	15.21	5.4	22.81	5.4	2320658	SLV 15	2320658	2773116	0.1	-1690201	SLV 1	-1690201	-1872416	0.087	Si
44	15.21	5.4	22.81	5.4	2083481	SLV 15	2320658	2773116	0.1	-1475119	SLV 1	-1690201	-1872416	0.087	Si
66	15.21	5.4	22.61	5.4	1829766	SLV 15	2162164	2750269	0.1	-1267491	SLV 1	-1544705	-1872404	0.087	Si
88	13.83	5.4	19.65	5.4	1565849	SLV 15	1912006	2399493	0.096	-1073283	SLV 1	-1333058	-1709162	0.086	Si
99	12.79	5.4	15.21	5.4	1431082	SLV 15	1782854	1872924	0.089	-982230	SLV 1	-1232020	-1586317	0.085	Si
121	10.71	5.4	15.21	5.4	1162062	SLV 13	1517518	1873129	0.09	-818356	SLV 3	-1040630	-1340272	0.083	Si
143	7.6	5.4	15.21	5.4	896778	SLV 13	1232682	1873491	0.092	-681840	SLV 3	-853363	-971252	0.079	Si
165	7.6	5.4	15.21	5.4	625948	SLV 13	981930	1873491	0.092	-563401	SLV 3	-723803	-971252	0.079	Si
187	7.6	5.4	15.21	5.4	345585	SLV 13	713503	1873491	0.092	-459054	SLV 3	-600192	-971252	0.079	Si
209	7.6	5.4	15.21	5.4	171592	SLV 9	436283	1873491	0.092	-484700	SLV 7	-732839	-971252	0.079	Si
231	7.6	5.4	15.21	5.4	117453	SLV 5	203625	1873491	0.092	-653823	SLV 11	-988042	-971252	0.079	No
253	12.16	5.4	15.21	5.4	121048	SLV 5	165532	1872994	0.09	-904303	SLV 11	-1311726	-1512328	0.085	Si
264	13.2	5.4	15.21	5.4	119308	SLV 5	207264	1872902	0.089	-1034864	SLV 11	-1501360	-1635336	0.086	Si
286	15.21	5.4	15.21	5.4	181153	SLV 1	258009	1872764	0.089	-1379030	SLV 15	-1754904	-1872764	0.089	Si
308	15.21	5.4	15.21	5.4	258009	SLV 1	258009	1872764	0.089	-1754904	SLV 15	-1754904	-1872764	0.089	Si
308	15.21	5.4	15.21	5.4	259688	SLV 1	259622	1872764	0.089	-1763509	SLV 15	-1763485	-1872764	0.089	Si
330	15.21	5.4	15.21	5.4	326604	SLV 1	295546	1872764	0.089	-2159991	SLV 15	-1954579	-1872764	0.089	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	5.4	1307019	SLD 15	1258019	2773116	0.1	-677353	SLD 1	-621849	-1872416	0.087	Si
22	15.21	5.4	22.81	5.4	1205134	SLD 15	1205055	2773116	0.1	-574309	SLD 1	-574309	-1872416	0.087	Si
23	15.21	5.4	22.81	5.4	1202677	SLD 15	1202677	2773116	0.1	-572219	SLD 1	-572219	-1872416	0.087	Si
44	15.21	5.4	22.81	5.4	1091561	SLD 15	1202677	2773116	0.1	-483200	SLD 1	-572219	-1872416	0.087	Si
66	15.21	5.4	22.61	5.4	966441	SLD 15	1128916	2750269	0.1	-404166	SLD 1	-511457	-1872404	0.087	Si
88	13.83	5.4	19.65	5.4	830221	SLD 15	1007481	2399493	0.096	-337655	SLD 1	-428533	-1709162	0.086	Si
99	12.79	5.4	15.21	5.4	758399	SLD 15	942492	1872924	0.089	-309547	SLD 1	-391658	-1586317	0.085	Si
121	10.71	5.4	15.21	5.4	610043	SLD 13	804464	1873129	0.09	-266337	SLD 3	-327575	-1340272	0.083	Si
143	7.6	5.4	15.21	5.4	456756	SLD 13	651221	1873491	0.092	-241818	SLD 3	-271902	-971252	0.079	Si
165	7.6	5.4	15.21	5.4	294430	SLD 13	506476	1873491	0.092	-231884	SLD 3	-248350	-971252	0.079	Si
187	7.6	5.4	15.21	5.4	121301	SLD 13	347325	1873491	0.092	-234770	SLD 3	-338889	-971252	0.079	Si
209	7.6	5.4	15.21	5.4	-11343	SLD 9	177698	1873491	0.092	-301764	SLD 7	-495344	-971252	0.079	Si
231	7.6	5.4	15.21	5.4	-97533	SLD 5	21206	1873491	0.092	-438837	SLD 11	-679205	-971252	0.079	Si
253	12.16	5.4	15.21	5.4						-618496	SLD 11	-899957	-1512328	0.085	Si
264	13.2	5.4	15.21	5.4						-713149	SLD 11	-1025100	-1635336	0.086	Si
286	15.21	5.4	15.21	5.4						-944146	SLD 15	-1193827	-1872764	0.089	Si
308	15.21	5.4	15.21	5.4						-1193827	SLD 15	-1193827	-1872764	0.089	Si
308	15.21	5.4	15.21	5.4						-1199565	SLD 15	-1199565	-1872764	0.089	Si
330	15.21	5.4	15.21	5.4						-1466881	SLD 15	-1327382	-1872764	0.089	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.61	0	479	SLU 29	479	13722	76908	0	13722	1	Si
22	0	19.65	0	-376	SLU 35	-376	-13094	-76908	0	-13094	1	Si
23	0.144	19.65	0	-390	SLU 35	-390	-13094	-76908	-16673	-16673	1	Si
44	0.144	15.21	0	-1093	SLU 30	-1093	-12021	-76908	-16673	-16673	1	Si
66	0.144	15.21	0	-1878	SLU 30	-1878	-12021	-76908	-16673	-16673	1	Si
88	0.144	15.21	0	-2664	SLU 30	-2664	-12021	-76908	-16673	-16673	1	Si
99	0.166	15.21	0	-3056	SLU 30	-3056	-12021	-76908	-19295	-19295	1	Si
121	0.166	15.21	0	-3842	SLU 30	-3842	-12021	-76908	-19295	-19295	1	Si
143	0.166	15.21	0	-4627	SLU 30	-4627	-12021	-76908	-19295	-19295	1	Si
165	0.166	15.21	0	-5413	SLU 30	-5413	-12021	-76908	-19295	-19295	1	Si
187	0.166	10.71	0	-6198	SLU 30	-6198	-10697	-76908	-19295	-19295	1	Si
209	0.166	7.6	0	-6984	SLU 30	-6984	-9541	-76908	-19295	-19295	1	Si
231	0.166	7.6	0	-7769	SLU 30	-7769	-9541	-76908	-19295	-19295	1	Si
253	0.187	7.6	0	-8554	SLU 30	-8554	-9541	-76908	-21675	-21675	1	Si
264	0.187	7.6	0	-8947	SLU 30	-8947	-9541	-76908	-21675	-21675	1	Si
286	0.187	7.6	0	-9733	SLU 30	-9733	-9541	-76908	-21675	-21675	1	Si
308	0.187	11.13	0	-10501	SLU 30	-10501	-10833	-76908	-21675	-21675	1	Si
308	0	11.13	0	-10518	SLU 30	-10518	-10833	-76908	0	-10833	1	Si
330	0	13.2	0	-11303	SLU 30	-11303	-11468	-76908	0	-11468	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	10832	SLV 1	13573	12021	76908	0	12021	1	Si
0	0	22.61	0	-10253	SLV 15	-12994	-13722	-76908	0	-13722	1	Si
22	0	13.83	0	10301	SLV 1	13042	11646	76908	0	11646	1	Si
22	0	19.65	0	-10785	SLV 15	-13526	-13094	-76908	0	-13094	1	Si
23	0.144	13.83	0	10289	SLV 1	13030	11646	76908	16673	16673	1	Si
23	0.144	19.65	0	-10797	SLV 15	-13538	-13094	-76908	-16673	-16673	1	Si
44	0.144	11.75	0	9764	SLV 1	12505	11032	76908	16673	16673	1	Si
44	0.144	15.21	0	-11321	SLV 15	-14062	-12021	-76908	-16673	-16673	1	Si
66	0.144	7.6	0	9228	SLV 1	11969	9541	76908	16673	16673	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
66	0.144	15.21	0	-11858	SLV 15	-14599	-12021	-76908	-16673	-16673	1	Si
88	0.144	7.6	0	8691	SLV 1	11432	9541	76908	16673	16673	1	Si
88	0.144	15.21	0	-12395	SLV 15	-15136	-12021	-76908	-16673	-16673	1	Si
99	0.166	7.6	0	8423	SLV 1	11164	9541	76908	19295	19295	1	Si
99	0.166	15.21	0	-12663	SLV 15	-15404	-12021	-76908	-19295	-19295	1	Si
121	0.166	7.6	0	7886	SLV 1	10627	9541	76908	19295	19295	1	Si
121	0.166	15.21	0	-13200	SLV 15	-15941	-12021	-76908	-19295	-19295	1	Si
143	0.166	7.6	0	7349	SLV 1	10091	9541	76908	19295	19295	1	Si
143	0.166	15.21	0	-13736	SLV 15	-16477	-12021	-76908	-19295	-19295	1	Si
165	0.166	7.6	0	6813	SLV 1	9554	9541	76908	19295	19295	1	Si
165	0.166	15.21	0	-14273	SLV 15	-17014	-12021	-76908	-19295	-19295	1	Si
187	0.166	10.71	0	6276	SLV 1	9017	10697	76908	19295	19295	1	Si
187	0.166	15.21	0	-14809	SLV 15	-17551	-12021	-76908	-19295	-19295	1	Si
209	0.166	7.6	0	5740	SLV 1	8481	9541	76908	19295	19295	1	Si
209	0.166	7.6	0	-15346	SLV 15	-18087	-9541	-76908	-19295	-19295	1	Si
231	0.166	7.6	0	5203	SLV 1	7944	9541	76908	19295	19295	1	Si
231	0.166	7.6	0	-15883	SLV 15	-18624	-9541	-76908	-19295	-19295	1	Si
253	0.187	15.21	0	4666	SLV 1	7407	12021	76908	21675	21675	1	Si
253	0.187	7.6	0	-16419	SLV 15	-19160	-9541	-76908	-21675	-21675	1	Si
264	0.187	15.21	0	4398	SLV 1	7139	12021	76908	21675	21675	1	Si
264	0.187	7.6	0	-16688	SLV 15	-19429	-9541	-76908	-21675	-21675	1	Si
286	0.187	15.21	0	3861	SLV 1	6603	12021	76908	21675	21675	1	Si
286	0.187	7.6	0	-17224	SLV 15	-19965	-9541	-76908	-21675	-21675	1	Si
308	0.187	15.21	0	3337	SLV 1	6078	12021	76908	21675	21675	1	Si
308	0.187	11.13	0	-17749	SLV 15	-20490	-10833	-76908	-21675	-21675	1	Si
308	0	15.21	0	3325	SLV 1	6066	12021	76908	0	12021	1	Si
308	0	11.13	0	-17761	SLV 15	-20502	-10833	-76908	0	-10833	1	Si
330	0	15.21	0	2788	SLV 1	5529	12021	76908	0	12021	1	Si
330	0	13.2	0	-18297	SLV 15	-21039	-11468	-76908	0	-11468	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	4955	SLD 1	4955	12021	76908	0	12021	1	Si
0	0	22.61	0	-4376	SLD 15	-4376	-13722	-76908	0	-13722	1	Si
22	0	13.83	0	4423	SLD 1	4423	11646	76908	0	11646	1	Si
22	0	19.65	0	-4907	SLD 15	-4907	-13094	-76908	0	-13094	1	Si
23	0.144	13.83	0	4412	SLD 1	4412	11646	76908	16673	16673	1	Si
23	0.144	19.65	0	-4919	SLD 15	-4919	-13094	-76908	-16673	-16673	1	Si
44	0.144	11.75	0	3887	SLD 1	3887	11032	76908	16673	16673	1	Si
44	0.144	15.21	0	-5444	SLD 15	-5444	-12021	-76908	-16673	-16673	1	Si
66	0.144	7.6	0	3350	SLD 1	3350	9541	76908	16673	16673	1	Si
66	0.144	15.21	0	-5981	SLD 15	-5981	-12021	-76908	-16673	-16673	1	Si
88	0.144	7.6	0	2814	SLD 1	2814	9541	76908	16673	16673	1	Si
88	0.144	15.21	0	-6517	SLD 15	-6517	-12021	-76908	-16673	-16673	1	Si
99	0.166	7.6	0	2545	SLD 1	2545	9541	76908	19295	19295	1	Si
99	0.166	15.21	0	-6786	SLD 15	-6786	-12021	-76908	-19295	-19295	1	Si
121	0.166	7.6	0	2009	SLD 1	2009	9541	76908	19295	19295	1	Si
121	0.166	15.21	0	-7322	SLD 15	-7322	-12021	-76908	-19295	-19295	1	Si
143	0.166	7.6	0	1472	SLD 1	1472	9541	76908	19295	19295	1	Si
143	0.166	15.21	0	-7859	SLD 15	-7859	-12021	-76908	-19295	-19295	1	Si
165	0.166	7.6	0	935	SLD 1	935	9541	76908	19295	19295	1	Si
165	0.166	15.21	0	-8395	SLD 15	-8395	-12021	-76908	-19295	-19295	1	Si
187	0.166	10.71	0	399	SLD 1	399	10697	76908	19295	19295	1	Si
187	0.166	15.21	0	-8932	SLD 15	-8932	-12021	-76908	-19295	-19295	1	Si
209	0.166	7.6	0	-9469	SLD 15	-9469	-9541	-76908	-19295	-19295	1	Si
231	0.166	7.6	0	-10005	SLD 15	-10005	-9541	-76908	-19295	-19295	1	Si
253	0.187	7.6	0	-10542	SLD 15	-10542	-9541	-76908	-21675	-21675	1	Si
264	0.187	7.6	0	-10810	SLD 15	-10810	-9541	-76908	-21675	-21675	1	Si
286	0.187	7.6	0	-11347	SLD 15	-11347	-9541	-76908	-21675	-21675	1	Si
308	0.187	11.13	0	-11872	SLD 15	-11872	-10833	-76908	-21675	-21675	1	Si
308	0	11.13	0	-11883	SLD 15	-11883	-10833	-76908	0	-10833	1	Si
330	0	13.2	0	-12420	SLD 15	-12420	-11468	-76908	0	-11468	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	332173	3	332173	8.6	124.5	252	1837	314833	2	314833	8.2	93.4	0	+∞	Si
22	333288	3	333223	8.7	124.5	252.8	1837	315412	2	315351	8.2	93.4	0	+∞	Si
23	333102	3	333102	8.7	124.5	252.8	1837	315229	2	315229	8.2	93.4	0	+∞	Si
44	321714	3	333102	8.7	124.5	252.8	1837	304181	2	315229	8.2	93.4	0	+∞	Si
66	297449	3	326443	8.5	124.5	249.7	1837	281138	2	308730	8.1	93.4	0	+∞	Si
88	260493	3	306248	8.5	124.5	268.5	1837	246283	2	289474	8	93.4	0	+∞	Si
99	237257	3	291391	8.9	124.5	327.2	1837	224426	2	275417	8.4	93.4	0	+∞	Si
121	181275	2	252160	7.9	124.5	283.7	1837	171853	2	238444	7.5	93.4	0	+∞	Si
143	112721	2	200239	6.6	124.5	226.1	1837	107469	2	189660	6.2	93.4	0	+∞	Si
165	31477	2	135723	4.5	124.5	153.2	1837	31273	2	129063	4.2	93.4	0	+∞	Si
187	-62851	3	-206890	4.4	124.5	70.5	1837	-56734	2	-191406	7.3	93.4	0	+∞	Si
209	-169603	3	-330403	7.1	124.5	112.6	1837	-156554	2	-306824	11.7	93.4	0	+∞	Si
231	-289047	3	-466607	10	124.5	159	1837	-268185	2	-434055	16.6	93.4	0	+∞	Si
253	-421181	3	-615501	19.7	124.5	856	1837	-391627	2	-573097	18.4	93.4	0	+∞	Si
264	-492006	3	-694707	21.6	124.5	892.5	1837	-457778	2	-647048	20.2	93.4	0	+∞	Si
286	-643176	3	-803327	23.8	124.5	900.3	1837	-598938	2	-748448	22.2	93.4	0	+∞	Si
308	-803327	3	-803327	23.8	124.5	900.3	1837	-748448	2	-748448	22.2	93.4	0	+∞	Si
308	-807036	3	-807036	24	124.5	904.5	1837	-751910	2	-751910	22.3	93.4	0	+∞	Si
330	-983586	3	-890175	26.4	124.5	997.7	1837	-916694	2	-829517	24.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
23	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
44	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
66	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
88	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
99	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
121	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.002	2	0.002	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
143	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0	1	0	1	9999	Si
165	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.002	1	-0.002	1	9999	Si
187	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.004	1	-0.004	1	9999	Si
209	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
231	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.007	1	-0.008	1	9999	Si
253	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.007	1	-0.009	1	9999	Si
264	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.007	1	-0.008	1	9999	Si
286	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
308	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
308	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-254	-13284	-16673	SLV 15	0.45	1214	1.245	315229	-2005430	-1872416	SLV 1	0.4	880	1.091	Si
44	-779	-13284	-16673	SLV 15	0.43	1114	1.201	315229	-2005430	-1872416	SLV 1	0.4	880	1.091	Si
66	-1315	-13284	-16673	SLV 15	0.42	1017	1.157	308730	-1853434	-1872404	SLV 1	0.43	1066	1.18	Si
88	-1852	-13284	-16673	SLV 15	0.4	929	1.115	289474	-1622532	-1709162	SLV 1	0.44	1203	1.24	Si
99	-2120	-13284	-19295	SLV 15	0.46	1367	1.307	275417	1507437	1872924	SLV 15	0.38	820	1.06	Si
121	-2657	-13284	-19295	SLV 15	0.45	1257	1.262	238444	-1279074	-1340272	SLV 1	0.44	1209	1.242	Si
143	-3193	-13284	-19295	SLV 15	0.44	1153	1.219	189660	-1043023	-971252	SLV 1	0.4	924	1.113	Si
165	-3730	-13284	-19295	SLV 15	0.42	1054	1.174	129063	-852866	-971252	SLV 3	0.46	1360	1.304	Si
187	-4267	-13284	-19295	SLV 15	0.41	961	1.131	56655	-656847	-971252	SLV 3	0.56	2277	1.611	Si
209	-4803	-13284	-19295	SLV 15	0.4	880	1.091	-306824	-426015	-971252	SLV 11	0.55	2257	1.605	Si
231	-5340	-13284	-19295	SLV 15	0.38	802	1.05	-434055	-553987	-971252	SLV 11	0.35	660	0.969	No
253	-5876	-13284	-21675	SLV 15	0.43	1096	1.193	-573097	-738629	-1512328	SLV 15	0.46	1308	1.283	Si
264	-6145	-13284	-21675	SLV 15	0.42	1047	1.171	-647048	-854312	-1635336	SLV 15	0.42	1019	1.158	Si
286	-6681	-13284	-21675	SLV 15	0.41	956	1.128	-748448	-1006456	-1872764	SLV 15	0.4	932	1.117	Si
308	-7206	-13284	-21675	SLV 15	0.39	876	1.089	-748448	-1006456	-1872764	SLV 15	0.4	932	1.117	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-254	-4665	-16673	SLD 15	0.47	1401	3.321	315229	-887448	-1872416	SLD 1	0.33	570	2.297	Si
44	-779	-4665	-16673	SLD 15	0.45	1286	3.206	315229	-887448	-1872416	SLD 1	0.33	570	2.297	Si
66	-1315	-4665	-16673	SLD 15	0.44	1174	3.089	308730	-820186	-1872404	SLD 1	0.36	685	2.477	Si
88	-1852	-4665	-16673	SLD 15	0.43	1067	2.97	289474	-718007	-1709162	SLD 1	0.37	767	2.594	Si
99	-2120	-4665	-19295	SLD 15	0.49	1579	3.488	275417	667075	1872924	SLD 15	0.32	532	2.233	Si
121	-2657	-4665	-19295	SLD 15	0.47	1451	3.369	238444	-566019	-1340272	SLD 1	0.38	770	2.598	Si
143	-3193	-4665	-19295	SLD 15	0.46	1331	3.252	189660	-461561	-971252	SLD 1	0.34	599	2.344	Si
165	-3730	-4665	-19295	SLD 15	0.45	1217	3.135	129063	-377413	-971252	SLD 3	0.39	858	2.716	Si
187	-4267	-4665	-19295	SLD 15	0.43	1108	3.016	56655	-252181	-971252	SLD 1	0.54	2074	3.9	Si
209	-4803	-4665	-19295	SLD 15	0.42	1004	2.897	-306824	-188519	-971252	SLD 11	0.47	1407	3.327	Si
231	-5340	-4665	-19295	SLD 15	0.4	913	2.786	-434055	-245150	-971252	SLD 11	0.3	434	2.054	Si
253	-5876	-4665	-21675	SLD 15	0.45	1265	3.185	-573097	-326860	-1512328	SLD 15	0.39	827	2.675	Si
264	-6145	-4665	-21675	SLD 15	0.45	1210	3.127	-647048	-378052	-1635336	SLD 15	0.35	658	2.436	Si
286	-6681	-4665	-21675	SLD 15	0.43	1101	3.009	-748448	-445379	-1872764	SLD 15	0.34	605	2.354	Si
308	-7206	-4665	-21675	SLD 15	0.42	999	2.891	-748448	-445379	-1872764	SLD 15	0.34	605	2.354	Si

Campata 2 tra i fili 49B - 49C, sezione R 45x70, asta 770

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4						-1034706	SLU 30	-920315	-1872764	0.089	Si
22	15.21	5.4	15.21	5.4						-823570	SLU 30	-823570	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4						-822174	SLU 30	-822174	-1872764	0.089	Si
45	15.21	5.4	15.21	5.4						-644571	SLU 30	-822174	-1872764	0.089	Si
67	13.11	5.4	15.21	5.4						-497709	SLU 30	-696141	-1624529	0.086	Si
89	11.01	5.4	15.21	5.4						-382982	SLU 30	-539585	-1374910	0.083	Si
100	7.6	5.4	15.21	5.4						-337670	SLU 30	-473358	-971252	0.079	Si
123	7.6	5.4	15.21	5.4						-273324	SLU 36	-365006	-971252	0.079	Si
145	7.6	5.4	15.21	5.4						-243399	SLU 36	-289132	-971252	0.079	Si
167	7.6	5.4	15.21	5.4						-243448	SLU 36	-289309	-971252	0.079	Si
190	7.6	5.4	15.21	5.4						-273472	SLU 36	-358349	-971252	0.079	Si
212	7.6	5.4	15.21	5.4						-333470	SLU 36	-457364	-971252	0.079	Si
234	7.6	5.4	15.21	5.4						-423443	SLU 36	-592251	-971252	0.079	Si
246	11.01	5.4	15.21	5.4						-479719	SLU 30	-672298	-1374910	0.083	Si
268	13.11	5.4	15.21	5.4						-622084	SLU 30	-856493	-1624529	0.086	Si
290	15.21	5.4	15.21	5.4						-796586	SLU 30	-1001667	-1872764	0.089	Si
312	15.21	5.4	15.21	5.4						-1001667	SLU 30	-1001667	-1872764	0.089	Si
313	15.21	5.4	15.21	5.4						-1003270	SLU 30	-1003270	-1872764	0.089	Si
335	15.21	5.4	15.21	5.4						-1242044	SLU 30	-1113846	-1872764	0.089	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	1281112	SLV 13	1246426	1872764	0.089	-2672256	SLV 3	-2486747	-1872764	0.089	No
22	15.21	5.4	15.21	5.4	1201238	SLV 13	1201199	1872764	0.089	-2314282	SLV 3	-2314282	-1872764	0.089	No
23	15.21	5.4	15.21	5.4	1200522	SLV 13	1200522	1872764	0.089	-2311731	SLV 3	-2311731	-1872764	0.089	No
45	15.21	5.4	15.21	5.4	1099950	SLV 13	1200522	1872764	0.089	-1977831	SLV 3	-2311731	-1872764	0.089	No
67	13.11	5.4	15.21	5.4	977266	SLV 13	1132117	1872918	0.089	-1662920	SLV 3	-2077695	-1624529	0.086	No
89	11.01	5.4	15.21	5.4	833211	SLV 13	1015886	1873090	0.09	-1369574	SLV 3	-1756285	-1374910	0.083	No
100	7.6	5.4	15.21	5.4	753182	SLV 13	949751	1873491	0.092	-1231001	SLV 3	-1603662	-971252	0.079	No
123	7.6	5.4	15.21	5.4	577168	SLV 13	801462	1873491	0.092	-970101	SLV 3	-1314600	-971252	0.079	No
145	7.6	5.4	15.21	5.4	380025	SLV 13	631863	1873491	0.092	-731010	SLV 3	-1047163	-971252	0.079	No
167	7.6	5.4	15.21	5.4	190465	SLV 9	441074	1873491	0.092	-542438	SLV 7	-801474	-971252	0.079	Si
190	7.6	5.4	15.21	5.4	83647	SLV 9	229524	1873491	0.092	-479544	SLV 7	-577960	-971252	0.079	Si
212	7.6	5.4	15.21	5.4	52439	SLV 5	181252	1873491	0.092	-535196	SLV 11	-842673	-971252	0.079	Si
234	7.6	5.4	15.21	5.4	144477	SLV 1	291877	1873491	0.092	-757032	SLV 15	-1138983	-971252	0.079	No
246	11.01	5.4	15.21	5.4	205436	SLV 1	339470	1873090	0.09	-898991	SLV 15	-1295520	-1374910	0.083	Si
268	13.11	5.4	15.21	5.4	311991	SLV 1	419233	1872918	0.089	-1199749	SLV 15	-1625375	-1624529	0.086	No
290	15.21	5.4	15.21	5.4	397944	SLV 1	462958	1872764	0.089	-1522841	SLV 15	-1865820	-1872764	0.089	Si
312	15.21	5.4	15.21	5.4	462958	SLV 1	462958	1872764	0.089	-1865820	SLV 15	-1865820	-1872764	0.089	Si
313	15.21	5.4	15.21	5.4	463409	SLV 1	463339	1872764	0.089	-1868442	SLV 15	-1868442	-1872764	0.089	Si
335	15.21	5.4	15.21	5.4	508757	SLV 1	488767	1872764	0.089	-2236772	SLV 15	-2043517	-1872764	0.089	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	179157	SLD 13	179157	1872764	0.089	-1570301	SLD 3	-1446169	-1872764	0.089	Si
22	15.21	5.4	15.21	5.4	221329	SLD 13	221292	1872764	0.089	-1334373	SLD 3	-1334373	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4	221524	SLD 13	243494	1872764	0.089	-1332733	SLD 3	-1332733	-1872764	0.089	Si
45	15.21	5.4	15.21	5.4	242057	SLD 13	244382	1872764	0.089	-1119937	SLD 3	-1332733	-1872764	0.089	Si
67	13.11	5.4	15.21	5.4	241348	SLD 13	244382	1872918	0.089	-927002	SLD 3	-1182999	-1624529	0.086	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
89	11.01	5.4	15.21	5.4	219214	SLD 13	243178	1873090	0.09	-755577	SLD 3	-983578	-1374910	0.083	Si
100	7.6	5.4	15.21	5.4	200118	SLD 13	238020	1873491	0.092	-677937	SLD 3	-891931	-971252	0.079	Si
123	7.6	5.4	15.21	5.4	145890	SLD 13	211639	1873491	0.092	-538823	SLD 3	-724776	-971252	0.079	Si
145	7.6	5.4	15.21	5.4	70342	SLD 13	163858	1873491	0.092	-421327	SLD 3	-579159	-971252	0.079	Si
167	7.6	5.4	15.21	5.4	-13825	SLD 9	94733	1873491	0.092	-338147	SLD 7	-455133	-971252	0.079	Si
190	7.6	5.4	15.21	5.4	-73346	SLD 9	4451	1873491	0.092	-322551	SLD 7	-396490	-971252	0.079	Si
212	7.6	5.4	15.21	5.4						-371389	SLD 11	-557247	-971252	0.079	Si
234	7.6	5.4	15.21	5.4						-505727	SLD 15	-740128	-971252	0.079	Si
246	11.01	5.4	15.21	5.4						-591125	SLD 15	-839766	-1374910	0.083	Si
268	13.11	5.4	15.21	5.4						-778349	SLD 15	-1055443	-1624529	0.086	Si
290	15.21	5.4	15.21	5.4						-987424	SLD 15	-1216679	-1872764	0.089	Si
312	15.21	5.4	15.21	5.4						-1216679	SLD 15	-1216679	-1872764	0.089	Si
313	15.21	5.4	15.21	5.4						-1218444	SLD 15	-1218444	-1872764	0.089	Si
335	15.21	5.4	15.21	5.4						-1471466	SLD 15	-1337650	-1872764	0.089	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.11	0	10179	SLU 29	10179	11442	76908	0	11442	1	Si
22	0	11.01	0	8742	SLU 29	8742	10793	76908	0	10793	1	Si
23	0.158	11.01	0	8732	SLU 29	8732	10793	76908	18340	18340	1	Si
45	0.158	7.6	0	7304	SLU 29	7304	9541	76908	18340	18340	1	Si
67	0.158	7.6	0	5865	SLU 29	5865	9541	76908	18340	18340	1	Si
89	0.158	7.6	0	4426	SLU 29	4426	9541	76908	18340	18340	1	Si
100	0.141	7.6	0	3706	SLU 29	3706	9541	76908	16339	16339	1	Si
123	0.141	7.6	0	2267	SLU 29	2267	9541	76908	16339	16339	1	Si
145	0.141	7.6	0	828	SLU 29	828	9541	76908	16339	16339	1	Si
167	0.141	7.6	0	-742	SLU 26	-742	-9541	-76908	-16339	-16339	1	Si
190	0.141	7.6	0	-2058	SLU 30	-2058	-9541	-76908	-16339	-16339	1	Si
212	0.141	7.6	0	-3497	SLU 30	-3497	-9541	-76908	-16339	-16339	1	Si
234	0.141	7.6	0	-4936	SLU 30	-4936	-9541	-76908	-16339	-16339	1	Si
246	0.172	7.6	0	-5655	SLU 30	-5655	-9541	-76908	-20007	-20007	1	Si
268	0.172	7.6	0	-7094	SLU 30	-7094	-9541	-76908	-20007	-20007	1	Si
290	0.172	7.6	0	-8533	SLU 30	-8533	-9541	-76908	-20007	-20007	1	Si
312	0.172	11.01	0	-9971	SLU 30	-9971	-10793	-76908	-20007	-20007	1	Si
313	0	11.01	0	-9982	SLU 30	-9982	-10793	-76908	0	-10793	1	Si
335	0	13.11	0	-11330	SLU 30	-11330	-11442	-76908	0	-11442	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.11	0	16524	SLV 3	19077	11442	76908	0	11442	1	Si
0	0	15.21	0	-3113	SLV 13	-5666	-12021	-76908	0	-12021	1	Si
22	0	11.01	0	15564	SLV 3	18117	10793	76908	0	10793	1	Si
22	0	15.21	0	-4073	SLV 13	-6626	-12021	-76908	0	-12021	1	Si
23	0.158	11.01	0	15557	SLV 3	18110	10793	76908	18340	18340	1	Si
23	0.158	15.21	0	-4080	SLV 13	-6633	-12021	-76908	-18340	-18340	1	Si
45	0.158	7.6	0	14603	SLV 3	17156	9541	76908	18340	18340	1	Si
45	0.158	15.21	0	-5034	SLV 13	-7587	-12021	-76908	-18340	-18340	1	Si
67	0.158	7.6	0	13642	SLV 3	16194	9541	76908	18340	18340	1	Si
67	0.158	15.21	0	-5996	SLV 13	-8549	-12021	-76908	-18340	-18340	1	Si
89	0.158	7.6	0	12680	SLV 3	15233	9541	76908	18340	18340	1	Si
89	0.158	15.21	0	-6957	SLV 13	-9510	-12021	-76908	-18340	-18340	1	Si
100	0.141	7.6	0	12200	SLV 3	14753	9541	76908	16339	16339	1	Si
100	0.141	15.21	0	-7438	SLV 13	-9990	-12021	-76908	-16339	-16339	1	Si
123	0.141	7.6	0	11238	SLV 3	13791	9541	76908	16339	16339	1	Si
123	0.141	15.21	0	-8399	SLV 13	-10952	-12021	-76908	-16339	-16339	1	Si
145	0.141	7.6	0	10277	SLV 3	12830	9541	76908	16339	16339	1	Si
145	0.141	15.21	0	-9360	SLV 13	-11913	-12021	-76908	-16339	-16339	1	Si
167	0.141	7.6	0	9316	SLV 3	11869	9541	76908	16339	16339	1	Si
167	0.141	15.21	0	-10321	SLV 13	-12874	-12021	-76908	-16339	-16339	1	Si
190	0.141	7.6	0	8355	SLV 3	10908	9541	76908	16339	16339	1	Si
190	0.141	7.6	0	-11283	SLV 13	-13836	-9541	-76908	-16339	-16339	1	Si
212	0.141	7.6	0	7393	SLV 3	9946	9541	76908	16339	16339	1	Si
212	0.141	7.6	0	-12244	SLV 13	-14797	-9541	-76908	-16339	-16339	1	Si
234	0.141	15.21	0	6432	SLV 3	8985	12021	76908	16339	16339	1	Si
234	0.141	7.6	0	-13205	SLV 13	-15758	-9541	-76908	-16339	-16339	1	Si
246	0.172	15.21	0	5951	SLV 3	8504	12021	76908	20007	20007	1	Si
246	0.172	7.6	0	-13686	SLV 13	-16239	-9541	-76908	-20007	-20007	1	Si
268	0.172	15.21	0	4990	SLV 3	7543	12021	76908	20007	20007	1	Si
268	0.172	7.6	0	-14647	SLV 13	-17200	-9541	-76908	-20007	-20007	1	Si
290	0.172	15.21	0	4029	SLV 3	6582	12021	76908	20007	20007	1	Si
290	0.172	7.6	0	-15608	SLV 13	-18161	-9541	-76908	-20007	-20007	1	Si
312	0.172	15.21	0	3068	SLV 3	5621	12021	76908	20007	20007	1	Si
312	0.172	11.01	0	-16569	SLV 13	-19122	-10793	-76908	-20007	-20007	1	Si
313	0	15.21	0	3061	SLV 3	5614	12021	76908	0	12021	1	Si
313	0	11.01	0	-16577	SLV 13	-19129	-10793	-76908	0	-10793	1	Si
335	0	15.21	0	2166	SLV 3	4719	12021	76908	0	12021	1	Si
335	0	13.11	0	-17471	SLV 13	-20024	-11442	-76908	0	-11442	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.11	0	11050	SLD 3	11050	11442	76908	0	11442	1	Si
22	0	11.01	0	10090	SLD 3	10090	10793	76908	0	10793	1	Si
23	0.158	11.01	0	10083	SLD 3	10083	10793	76908	18340	18340	1	Si
45	0.158	7.6	0	9129	SLD 3	9129	9541	76908	18340	18340	1	Si
67	0.158	7.6	0	8168	SLD 3	8168	9541	76908	18340	18340	1	Si
67	0.158	15.21	0	-522	SLD 13	-522	-12021	-76908	-18340	-18340	1	Si
89	0.158	7.6	0	7207	SLD 3	7207	9541	76908	18340	18340	1	Si
89	0.158	15.21	0	-1483	SLD 13	-1483	-12021	-76908	-18340	-18340	1	Si
100	0.141	7.6	0	6726	SLD 3	6726	9541	76908	16339	16339	1	Si
100	0.141	15.21	0	-1964	SLD 13	-1964	-12021	-76908	-16339	-16339	1	Si
123	0.141	7.6	0	5765	SLD 3	5765	9541	76908	16339	16339	1	Si
123	0.141	15.21	0	-2925	SLD 13	-2925	-12021	-76908	-16339	-16339	1	Si
145	0.141	7.6	0	4803	SLD 3	4803	9541	76908	16339	16339	1	Si
145	0.141	15.21	0	-3886	SLD 13	-3886	-12021	-76908	-16339	-16339	1	Si
167	0.141	7.6	0	3842	SLD 3	3842	9541	76908	16339	16339	1	Si
167	0.141	7.6	0	-4848	SLD 13	-4848	-9541	-76908	-16339	-16339	1	Si
190	0.141	7.6	0	2881	SLD 3	2881	9541	76908	16339	16339	1	Si
190	0.141	7.6	0	-5809	SLD 13	-5809	-9541	-76908	-16339	-16339	1	Si
212	0.141	7.6	0	1920	SLD 3	1920	9541	76908	16339	16339	1	Si
212	0.141	7.6	0	-6770	SLD 13	-6770	-9541	-76908	-16339	-16339	1	Si
234	0.141	7.6	0	958	SLD 3	958	9541	76908	16339	16339	1	Si
234	0.141	7.6	0	-7731	SLD 13	-7731	-9541	-76908	-16339	-16339	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
246	0.172	7.6	0	478	SLD 3	478	9541	76908	20007	20007	1	Si
246	0.172	7.6	0	-8212	SLD 13	-8212	-9541	-76908	-20007	-20007	1	Si
268	0.172	7.6	0	-9173	SLD 13	-9173	-9541	-76908	-20007	-20007	1	Si
290	0.172	7.6	0	-10135	SLD 13	-10135	-9541	-76908	-20007	-20007	1	Si
312	0.172	11.01	0	-11096	SLD 13	-11096	-10793	-76908	-20007	-20007	1	Si
313	0	11.01	0	-11103	SLD 13	-11103	-10793	-76908	0	-10793	1	Si
335	0	13.11	0	-11998	SLD 13	-11998	-11442	-76908	0	-11442	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-754743	3	-671885	19.9	124.5	753	1837	-695572	2	-620161	18.4	93.4	0	+∞	Si
22	-601865	3	-601865	17.9	124.5	674.5	1837	-556522	2	-556522	16.5	93.4	0	+∞	Si
23	-600855	3	-600855	17.8	124.5	673.4	1837	-555604	2	-555604	16.5	93.4	0	+∞	Si
45	-472376	3	-600855	17.8	124.5	673.4	1837	-438940	2	-555604	16.5	93.4	0	+∞	Si
67	-366277	3	-509671	15.9	124.5	659.2	1837	-342827	2	-472789	14.8	93.4	0	+∞	Si
89	-283569	3	-396517	13.2	124.5	607.8	1837	-268181	2	-370200	12.3	93.4	0	+∞	Si
100	-250985	3	-348711	7.5	124.5	118.9	1837	-238909	2	-326956	12.5	93.4	0	+∞	Si
123	-204812	9	-270642	5.8	124.5	92.3	1837	-196467	2	-256569	9.8	93.4	0	+∞	Si
145	-183551	9	-216190	4.6	124.5	73.7	1837	-175492	2	-207650	7.9	93.4	0	+∞	Si
167	-184239	9	-218670	4.7	124.5	74.5	1837	-175986	2	-209430	8	93.4	0	+∞	Si
190	-206876	9	-269876	5.8	124.5	92	1837	-197948	2	-259336	9.9	93.4	0	+∞	Si
212	-251461	9	-343031	7.4	124.5	116.9	1837	-241379	2	-330711	12.6	93.4	0	+∞	Si
234	-317996	9	-442066	9.5	124.5	150.7	1837	-306278	2	-423553	16.2	93.4	0	+∞	Si
246	-359526	3	-500723	16.7	124.5	767.5	1837	-346778	2	-478025	15.9	93.4	0	+∞	Si
268	-463937	3	-635579	19.9	124.5	822.1	1837	-443879	2	-603071	18.8	93.4	0	+∞	Si
290	-591738	3	-741789	22	124.5	831.4	1837	-562448	2	-701431	20.8	93.4	0	+∞	Si
312	-741789	3	-741789	22	124.5	831.4	1837	-701431	2	-701431	20.8	93.4	0	+∞	Si
313	-742962	3	-742962	22	124.5	832.7	1837	-702517	2	-702517	20.8	93.4	0	+∞	Si
335	-917537	3	-823836	24.4	124.5	923.3	1837	-864008	2	-777375	23.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
23	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
45	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.011	1	-0.012	1	9999	Si
67	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.014	1	-0.016	1	9999	Si
89	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.017	1	-0.018	1	9999	Si
100	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.018	1	-0.019	1	9999	Si
123	-0.008	-0.009	-0.008	-0.009	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.02	1	-0.021	1	9999	Si
145	-0.008	-0.009	-0.009	-0.009	-0.008	-0.009	-0.009	-0.009	-0.008	-0.009	-0.021	1	-0.022	1	9999	Si
167	-0.008	-0.009	-0.009	-0.01	-0.008	-0.009	-0.009	-0.009	-0.008	-0.009	-0.022	1	-0.023	1	9999	Si
179	-0.009	-0.009	-0.009	-0.01	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.022	1	-0.023	1	9999	Si
190	-0.009	-0.009	-0.009	-0.01	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.022	1	-0.023	1	9999	Si
212	-0.008	-0.009	-0.009	-0.009	-0.008	-0.009	-0.009	-0.009	-0.008	-0.009	-0.021	1	-0.022	1	9999	Si
234	-0.008	-0.009	-0.008	-0.009	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.02	1	-0.021	1	9999	Si
246	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.019	1	-0.02	1	9999	Si
268	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.016	1	-0.017	1	9999	Si
290	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.013	1	9999	Si
312	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.008	1	9999	Si
313	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.008	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5738	12372	18340	SLV 3	0.37	744	1.018	-555604	-1756126	-1872764	SLV 3	0.28	365	0.76	No
45	4784	12372	18340	SLV 3	0.4	889	1.095	-555604	-1756126	-1872764	SLV 3	0.28	365	0.76	No
67	3823	12372	18340	SLV 3	0.42	1058	1.176	-472789	-1604906	-1624529	SLV 3	0.27	332	0.731	No
89	2862	12372	18340	SLV 3	0.45	1253	1.261	-370200	-1386085	-1374910	SLV 3	0.27	339	0.738	No
100	2381	12372	16339	SLV 3	0.41	955	1.128	-326956	-1276706	-971252	SLV 3	0.19	156	0.537	No
123	1420	12372	16339	SLV 3	0.44	1137	1.212	-256569	-1058031	-971252	SLV 3	0.25	291	0.693	No
145	459	12372	16339	SLV 3	0.46	1342	1.297	-207650	-839513	-971252	SLV 3	0.33	566	0.91	No
167	-503	-12372	-16339	SLV 13	0.46	1332	1.293	-180200	-621274	-971252	SLV 3	0.46	1313	1.285	Si
190	-1464	-12372	-16339	SLV 13	0.43	1128	1.208	-174218	-403742	-971252	SLV 3	0.57	2474	1.666	Si
212	-2425	-12372	-16339	SLV 13	0.41	948	1.125	-330711	-511963	-971252	SLV 15	0.45	1253	1.261	Si
234	-3387	-12372	-16339	SLV 13	0.38	796	1.047	-423553	-715430	-971252	SLV 15	0.28	382	0.775	No
246	-3867	-12372	-20007	SLV 13	0.47	1400	1.319	-478025	-817495	-1374910	SLV 15	0.4	892	1.097	Si
268	-4828	-12372	-20007	SLV 13	0.44	1190	1.234	-603071	-1022304	-1624529	SLV 15	0.36	710	0.999	No
290	-5790	-12372	-20007	SLV 13	0.42	1001	1.15	-701431	-1164389	-1872764	SLV 15	0.37	722	1.006	Si
312	-6751	-12372	-20007	SLV 13	0.39	842	1.071	-701431	-1164389	-1872764	SLV 15	0.37	722	1.006	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5738	4345	18340	SLD 3	0.39	847	2.702	-555604	-777128	-1872764	SLD 3	0.23	248	1.633	Si
45	4784	4345	18340	SLD 3	0.42	1016	2.911	-555604	-777128	-1872764	SLD 3	0.23	248	1.633	Si
67	3823	4345	18340	SLD 3	0.45	1221	3.139	-472789	-710210	-1624529	SLD 3	0.22	225	1.569	Si
89	2862	4345	18340	SLD 3	0.47	1448	3.366	-370200	-613378	-1374910	SLD 3	0.23	230	1.583	Si
100	2381	4345	16339	SLD 3	0.43	1100	3.007	-326956	-564976	-971252	SLD 3	0.16	107	1.157	Si
123	1420	4345	16339	SLD 3	0.46	1313	3.234	-256569	-468207	-971252	SLD 3	0.21	197	1.486	Si
145	459	4345	16339	SLD 3	0.49	1550	3.461	-207650	-371509	-971252	SLD 3	0.28	378	1.941	Si
167	-503	-4345	-16339	SLD 13	0.48	1538	3.45	-180200	-274933	-971252	SLD 3	0.39	831	2.681	Si
190	-1464	-4345	-16339	SLD 13	0.46	1302	3.223	-174218	-178669	-971252	SLD 3	0.59	2474	4.193	Si
212	-2425	-4345	-16339	SLD 13	0.43	1091	2.997	-330711	-226536	-971252	SLD 15	0.38	796	2.634	Si
234	-3387	-4345	-16339	SLD 13	0.4	906	2.777	-423553	-316575	-971252	SLD 15	0.24	260	1.665	Si
246	-3867	-4345	-20007	SLD 13	0.49	1618	3.523	-478025	-361741	-1374910	SLD 15	0.34	578	2.31	Si
268	-4828	-4345	-20007	SLD 13	0.47	1374	3.295	-603071	-452373	-1624529	SLD 15	0.31	464	2.111	Si
290	-5790	-4345	-20007	SLD 13	0.44	1155	3.068	-701431	-515248	-1872764	SLD 15	0.31	471	2.124	Si
312	-6751	-4345	-20007	SLD 13	0.41	958	2.842	-701431	-515248	-1872764	SLD 15	0.31	471	2.124	Si

Campata 3 tra i fili 49C - 50, sezione R 45x70, asta 771

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4						-1644210	SLU 30	-1465364	-1872764	0.089	Si
21	15.21	5.4	15.21	5.4						-1323923	SLU 30	-1323562	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4						-1302581	SLU 30	-1302581	-1872764	0.089	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
42	15.21	5.4	15.21	5.4						-1032240	SLU 30	-1302581	-1872764	0.089	Si
63	13.49	5.4	15.21	5.4						-768970	SLU 30	-1141600	-1669231	0.086	Si
84	11.51	5.4	15.21	5.4						-536710	SLU 36	-867411	-1434530	0.084	Si
95	7.6	5.4	15.21	5.4						-434296	SLU 36	-740972	-971252	0.079	Si
116	7.6	5.4	15.21	5.4	-174996	SLU 2	6879	1873491	0.092	-259113	SLU 35	-513009	-971252	0.079	Si
137	7.6	5.4	15.21	5.4	-38881	SLU 11	110414	1873491	0.092	-130052	SLU 26	-319183	-971252	0.079	Si
158	7.6	5.4	15.21	5.4	74071	SLU 11	204045	1873491	0.092	-21994	SLU 26	-177245	-971252	0.079	Si
179	7.6	5.4	15.21	5.4	171118	SLU 30	271706	1873491	0.092	57801	SLU 6	-61630	-971252	0.079	Si
200	7.6	5.4	15.21	5.4	249698	SLU 30	310954	1873491	0.092						Si
221	7.6	5.4	21	6.5	299865	SLU 30	321787	2512733	0.11						Si
242	7.6	5.4	22.81	6.7	321617	SLU 30	321839	2711952	0.116						Si
252	11.39	5.4	22.81	6.7	321839	SLU 30	321839	2712564	0.107						Si
273	13.37	5.4	22.81	6.7	300971	SLU 30	321839	2712493	0.104						Si
293	15.21	5.4	22.81	6.7	256063	SLU 36	313718	2712392	0.102						Si
294	15.21	5.4	22.81	6.7	252710	SLU 36	252495	2712392	0.102						Si
315	15.21	5.4	22.81	6.7	185889	SLU 36	185889	2712392	0.102						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	839314	SLV 13	787708	1872764	0.089	-3126900	SLV 3	-2832700	-1872764	0.089	No
21	15.21	5.4	15.21	5.4	732932	SLV 13	732492	1872764	0.089	-2585790	SLV 3	-2584851	-1872764	0.089	No
23	15.21	5.4	15.21	5.4	724322	SLV 13	724322	1872764	0.089	-2548180	SLV 3	-2548180	-1872764	0.089	No
42	15.21	5.4	15.21	5.4	607727	SLV 13	724322	1872764	0.089	-2064072	SLV 3	-2548180	-1872764	0.089	No
63	13.49	5.4	15.21	5.4	464004	SLV 13	657632	1872887	0.089	-1561797	SLV 3	-2262704	-1669231	0.086	No
84	11.51	5.4	15.21	5.4	302211	SLV 13	521001	1873047	0.09	-1079416	SLV 3	-1752933	-1434530	0.084	No
95	7.6	5.4	15.21	5.4	214953	SLV 13	445793	1873491	0.092	-846100	SLV 3	-1505391	-971252	0.079	No
116	7.6	5.4	15.21	5.4	44124	SLV 9	306715	1873491	0.092	-411627	SLV 7	-1025420	-971252	0.079	No
137	7.6	5.4	15.21	5.4	154646	SLV 1	699092	1873491	0.092	-296469	SLV 15	-592000	-971252	0.079	Si
158	7.6	5.4	15.21	5.4	549888	SLV 1	1077561	1873491	0.092	-503992	SLV 15	-835303	-971252	0.079	Si
179	7.6	5.4	15.21	5.4	934338	SLV 1	1440061	1873491	0.092	-738687	SLV 15	-1100599	-971252	0.079	No
200	7.6	5.4	15.21	5.4	1303025	SLV 1	1786289	1873491	0.092	-995582	SLV 15	-1387586	-971252	0.079	No
221	7.6	5.4	21	6.5	1655552	SLV 1	2115800	2512733	0.11	-1274280	SLV 15	-1695819	-1019724	0.086	No
242	7.6	5.4	22.81	6.7	1991567	SLV 1	2428013	2711952	0.116	-1574427	SLV 15	-2024718	-1034782	0.089	No
252	11.39	5.4	22.81	6.7	2153209	SLV 1	2577465	2712564	0.107	-1732372	SLV 15	-2196748	-1483186	0.094	No
273	13.37	5.4	22.81	6.7	2463396	SLV 1	2735155	2712493	0.104	-2063637	SLV 15	-2389542	-1717649	0.097	No
293	15.21	5.4	22.81	6.7	2735155	SLV 1	2735155	2712392	0.102	-2389542	SLV 15	-2389542	-1935134	0.1	No
294	15.21	5.4	22.81	6.7	2755712	SLV 1	2753657	2712392	0.102	-2414994	SLV 15	-2413244	-1935134	0.1	No
315	15.21	5.4	22.81	6.7	3029796	SLV 1	2878704	2712392	0.102	-2786082	SLV 15	-2573436	-1935134	0.1	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4						-2021383	SLD 3	-1823566	-1872764	0.089	Si
21	15.21	5.4	15.21	5.4						-1660745	SLD 3	-1660190	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4						-1636017	SLD 3	-1636017	-1872764	0.089	Si
42	15.21	5.4	15.21	5.4						-1319338	SLD 3	-1636017	-1872764	0.089	Si
63	13.49	5.4	15.21	5.4						-997114	SLD 3	-1448698	-1669231	0.086	Si
84	11.51	5.4	15.21	5.4						-694264	SLD 3	-1119091	-1434530	0.084	Si
95	7.6	5.4	15.21	5.4						-550282	SLD 3	-961504	-971252	0.079	Si
116	7.6	5.4	15.21	5.4	-82978	SLD 9	117181	1873491	0.092	-284525	SLD 7	-660942	-971252	0.079	Si
137	7.6	5.4	15.21	5.4	28689	SLD 1	339152	1873491	0.092	-170511	SLD 15	-381101	-971252	0.079	Si
158	7.6	5.4	15.21	5.4	256052	SLD 1	544336	1873491	0.092	-210156	SLD 15	-302078	-971252	0.079	Si
179	7.6	5.4	15.21	5.4	467957	SLD 1	731861	1873491	0.092	-272306	SLD 15	-392399	-971252	0.079	Si
200	7.6	5.4	15.21	5.4	662289	SLD 1	901599	1873491	0.092	-354846	SLD 15	-502896	-971252	0.079	Si
221	7.6	5.4	21	6.5	838882	SLD 1	1053355	2512733	0.11	-457610	SLD 15	-633374	-1019724	0.086	Si
242	7.6	5.4	22.81	6.7	997584	SLD 1	1186874	2711952	0.116	-580444	SLD 15	-783578	-1034782	0.089	Si
252	11.39	5.4	22.81	6.7	1070149	SLD 1	1246720	2712564	0.107	-649312	SLD 15	-866003	-1483186	0.094	Si
273	13.37	5.4	22.81	6.7	1201546	SLD 1	1306720	2712493	0.104	-801788	SLD 15	-961107	-1717649	0.097	Si
293	15.21	5.4	22.81	6.7	1306720	SLD 1	1306720	2712392	0.102	-961107	SLD 15	-961107	-1935134	0.1	Si
294	15.21	5.4	22.81	6.7	1314453	SLD 1	1313458	2712392	0.102	-973735	SLD 15	-973046	-1935134	0.1	Si
315	15.21	5.4	22.81	6.7	1408709	SLD 1	1359001	2712392	0.102	-1164995	SLD 15	-1053733	-1935134	0.1	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.49	0	15930	SLU 30	15930	11550	76908	0	11550	1	Si
21	0	11.51	0	14566	SLU 30	14566	10955	76908	0	10955	1	Si
23	0.259	11.51	0	14470	SLU 30	14470	10955	76908	30011	30011	1	Si
42	0.259	7.6	0	13213	SLU 30	13213	9541	76908	30011	30011	1	Si
63	0.259	7.6	0	11860	SLU 30	11860	9541	76908	30011	30011	1	Si
84	0.259	7.6	0	10507	SLU 30	10507	9541	76908	30011	30011	1	Si
95	0.232	7.6	0	9831	SLU 30	9831	9541	76908	26933	26933	1	Si
116	0.232	7.6	0	8478	SLU 30	8478	9541	76908	26933	26933	1	Si
137	0.232	7.6	0	7125	SLU 30	7125	9541	76908	26933	26933	1	Si
158	0.232	15.21	0	5771	SLU 30	5771	12021	76908	26933	26933	1	Si
179	0.232	15.21	0	4418	SLU 30	4418	12021	76908	26933	26933	1	Si
200	0.232	15.21	0	3128	SLU 36	3128	12021	76908	26933	26933	1	Si
221	0.232	15.21	0	1933	SLU 35	1933	11921	75595	26473	26473	1	Si
242	0.187	15.21	0	932	SLU 26	932	11899	75321	21227	21227	1	Si
252	0.187	15.21	0	464	SLU 26	464	11899	75321	21227	21227	1	Si
252	0.187	15.21	0	-455	SLU 11	-455	-11899	-75321	-21227	-21227	1	Si
273	0.187	19.58	0	-1712	SLU 29	-1712	-12946	-75321	-21227	-21227	1	Si
293	0.187	22.41	0	-2969	SLU 29	-2969	-13542	-75321	-21227	-21227	1	Si
294	0	22.41	0	-3065	SLU 29	-3065	-13542	-75321	0	-13542	1	Si
315	0	22.81	0	-4418	SLU 29	-4418	-13621	-75321	0	-13621	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.49	0	26266	SLV 3	30286	11550	76908	0	11550	1	Si
0	0	15.21	0	-4659	SLV 13	-8679	-12021	-76908	0	-12021	1	Si
21	0	11.51	0	25355	SLV 3	29376	10955	76908	0	10955	1	Si
21	0	15.21	0	-5570	SLV 13	-9590	-12021	-76908	0	-12021	1	Si
23	0.259	11.51	0	25291	SLV 3	29311	10955	76908	30011	30011	1	Si
23	0.259	15.21	0	-5634	SLV 13	-9655	-12021	-76908	-30011	-30011	1	Si
42	0.259	7.6	0	24451	SLV 3	28472	9541	76908	30011	30011	1	Si
42	0.259	15.21	0	-6474	SLV 13	-10494	-12021	-76908	-30011	-30011	1	Si
63	0.259	7.6	0	23548	SLV 3	27568	9541	76908	30011	30011	1	Si
63	0.259	15.21	0	-7378	SLV 13	-11398	-12021	-76908	-30011	-30011	1	Si
84	0.259	7.6	0	22644	SLV 3	26664	9541	76908	30011	30011	1	Si
84	0.259	15.21	0	-8281	SLV 13	-12302	-12021	-76908	-30011	-30011	1	Si
95	0.232	7.6	0	22192	SLV 3	26212	9541	76908	26933	26933	1	Si
95	0.232	15.21	0	-8733	SLV 13	-12754	-12021	-76908	-26933	-26933	1	Si
116	0.232	7.6	0	21288	SLV 3	25308	9541	76908	26933	26933	1	Si
116	0.232	15.21	0	-9637	SLV 13	-13658	-12021	-76908	-26933	-26933	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
137	0.232	15.21	0	20384	SLV 3	24404	12021	76908	26933	26933	1	Si
137	0.232	7.6	0	-10541	SLV 13	-14561	-9541	-76908	-26933	-26933	1	Si
158	0.232	15.21	0	19480	SLV 3	23500	12021	76908	26933	26933	1	Si
158	0.232	7.6	0	-11445	SLV 13	-15465	-9541	-76908	-26933	-26933	1	Si
179	0.232	15.21	0	18576	SLV 3	22596	12021	76908	26933	26933	1	Si
179	0.232	7.6	0	-12349	SLV 13	-16369	-9541	-76908	-26933	-26933	1	Si
200	0.232	15.21	0	17672	SLV 3	21693	12021	76908	26933	26933	1	Si
200	0.232	7.6	0	-13253	SLV 13	-17273	-9541	-76908	-26933	-26933	1	Si
221	0.232	15.21	0	16768	SLV 3	20789	11921	75595	26473	26473	1	Si
221	0.232	7.6	0	-14157	SLV 13	-18177	-9541	-76908	-26933	-26933	1	Si
242	0.187	15.21	0	15865	SLV 3	19885	11899	75321	21227	21227	1	Si
242	0.187	7.6	0	-15061	SLV 13	-19081	-9541	-76908	-21675	-21675	1	Si
252	0.187	15.21	0	15413	SLV 3	19433	11899	75321	21227	21227	1	Si
252	0.187	7.6	0	-15512	SLV 13	-19533	-9541	-76908	-21675	-21675	1	Si
273	0.187	19.58	0	14509	SLV 3	18529	12946	75321	21227	21227	1	Si
273	0.187	7.6	0	-16416	SLV 13	-20437	-9541	-76908	-21675	-21675	1	Si
293	0.187	22.41	0	13669	SLV 3	17690	13542	75321	21227	21227	1	Si
293	0.187	7.6	0	-17256	SLV 13	-21276	-9541	-76908	-21675	-21675	1	Si
294	0	22.41	0	13605	SLV 3	17625	13542	75321	0	13542	1	Si
294	0	7.6	0	-17320	SLV 13	-21340	-9541	-76908	0	-9541	1	Si
315	0	22.81	0	12701	SLV 3	16721	13621	75321	0	13621	1	Si
315	0	11.39	0	-18224	SLV 13	-22244	-10917	-76908	0	-10917	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.49	0	17646	SLD 3	17646	11550	76908	0	11550	1	Si
21	0	11.51	0	16736	SLD 3	16736	10955	76908	0	10955	1	Si
23	0.259	11.51	0	16671	SLD 3	16671	10955	76908	30011	30011	1	Si
42	0.259	7.6	0	15832	SLD 3	15832	9541	76908	30011	30011	1	Si
63	0.259	7.6	0	14928	SLD 3	14928	9541	76908	30011	30011	1	Si
84	0.259	7.6	0	14024	SLD 3	14024	9541	76908	30011	30011	1	Si
95	0.232	7.6	0	13572	SLD 3	13572	9541	76908	26933	26933	1	Si
95	0.232	7.6	0	-114	SLD 13	-114	-9541	-76908	-26933	-26933	1	Si
116	0.232	7.6	0	12668	SLD 3	12668	9541	76908	26933	26933	1	Si
116	0.232	7.6	0	-1017	SLD 13	-1017	-9541	-76908	-26933	-26933	1	Si
137	0.232	7.6	0	11764	SLD 3	11764	9541	76908	26933	26933	1	Si
137	0.232	7.6	0	-1921	SLD 13	-1921	-9541	-76908	-26933	-26933	1	Si
158	0.232	15.21	0	10860	SLD 3	10860	12021	76908	26933	26933	1	Si
158	0.232	7.6	0	-2825	SLD 13	-2825	-9541	-76908	-26933	-26933	1	Si
179	0.232	15.21	0	9956	SLD 3	9956	12021	76908	26933	26933	1	Si
179	0.232	7.6	0	-3729	SLD 13	-3729	-9541	-76908	-26933	-26933	1	Si
200	0.232	15.21	0	9053	SLD 3	9053	12021	76908	26933	26933	1	Si
200	0.232	7.6	0	-4633	SLD 13	-4633	-9541	-76908	-26933	-26933	1	Si
221	0.232	15.21	0	8149	SLD 3	8149	11921	75595	26473	26473	1	Si
221	0.232	7.6	0	-5537	SLD 13	-5537	-9541	-76908	-26933	-26933	1	Si
242	0.187	15.21	0	7245	SLD 3	7245	11899	75321	21227	21227	1	Si
242	0.187	7.6	0	-6441	SLD 13	-6441	-9541	-76908	-21675	-21675	1	Si
252	0.187	15.21	0	6793	SLD 3	6793	11899	75321	21227	21227	1	Si
252	0.187	7.6	0	-6893	SLD 13	-6893	-9541	-76908	-21675	-21675	1	Si
273	0.187	19.58	0	5889	SLD 3	5889	12946	75321	21227	21227	1	Si
273	0.187	7.6	0	-7797	SLD 13	-7797	-9541	-76908	-21675	-21675	1	Si
293	0.187	22.41	0	5050	SLD 3	5050	13542	75321	21227	21227	1	Si
293	0.187	7.6	0	-8636	SLD 13	-8636	-9541	-76908	-21675	-21675	1	Si
294	0	22.41	0	4985	SLD 3	4985	13542	75321	0	13542	1	Si
294	0	7.6	0	-8700	SLD 13	-8700	-9541	-76908	0	-9541	1	Si
315	0	22.81	0	4081	SLD 3	4081	13621	75321	0	13621	1	Si
315	0	11.39	0	-9604	SLD 13	-9604	-10917	-76908	0	-10917	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1214498	3	-1083629	32.2	124.5	1214.5	1837	-1143793	2	-1022496	30.3	93.4	0	+∞	Si
21	-980077	3	-979812	29.1	124.5	1098.1	1837	-926429	2	-926180	27.5	93.4	0	+∞	Si
23	-964451	3	-964451	28.6	124.5	1080.9	1837	-911929	2	-911929	27.1	93.4	0	+∞	Si
42	-766475	3	-964451	28.6	124.5	1080.9	1837	-728172	2	-911929	27.1	93.4	0	+∞	Si
63	-573553	3	-846573	26.2	124.5	1065.3	1837	-548897	2	-802536	24.8	93.4	0	+∞	Si
84	-403043	9	-645704	21.1	124.5	947.7	1837	-388602	2	-615966	20.2	93.4	0	+∞	Si
95	-327584	9	-553024	11.9	124.5	188.5	1837	-315573	2	-529799	20.3	93.4	0	+∞	Si
116	-197731	8	-385580	8.3	124.5	131.4	1837	-189333	1	-371701	14.2	93.4	0	+∞	Si
137	-93216	8	-242631	5.2	124.5	82.7	1837	-87158	1	-233334	8.9	93.4	0	+∞	Si
158	39190	2	142319	4.7	124.5	160.7	1837	22948	2	121129	4	93.4	0	+∞	Si
158	-5133	8	-131801	2.8	124.5	44.9	1837	-1416	1	-124844	4.8	93.4	0	+∞	Si
179	117852	3	192870	6.3	124.5	217.8	1837	97825	2	169731	5.6	93.4	0	+∞	Si
200	176351	3	222741	7.3	124.5	251.5	1837	153722	2	199351	6.5	93.4	0	+∞	Si
221	214169	3	231932	7	124.5	200.8	1837	190636	2	209990	6.3	93.4	0	+∞	Si
242	231306	3	232120	6.9	124.5	187.6	1837	208570	2	210418	6.2	93.4	0	+∞	Si
252	232120	3	232120	6.5	124.5	186.5	1837	210418	2	210418	5.9	93.4	0	+∞	Si
273	218237	3	232120	6.4	124.5	186	1837	199879	2	210418	5.8	93.4	0	+∞	Si
293	186742	9	226920	6.1	124.5	181.4	1837	172806	2	206845	5.6	93.4	0	+∞	Si
294	184354	9	184194	4.9	124.5	147.2	1837	170359	2	170206	4.6	93.4	0	+∞	Si
315	136359	9	136359	3.7	124.5	109	1837	121857	2	121857	3.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
23	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
42	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
63	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	2	-0.01	2	9999	Si
74	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	2	-0.01	2	9999	Si
84	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	2	-0.01	2	9999	Si
95	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.01	2	-0.01	2	9999	Si
116	-0.002	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.009	2	-0.009	2	9999	Si
137	-0.001	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.007	2	-0.008	2	9999	Si
158	0	-0.002	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.005	2	-0.006	2	9999	Si
179	0.001	-0.001	-0.001	-0.002	0	-0.001	-0.001	-0.002	0	-0.001	-0.003	2	-0.004	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
200	0.001	0	0	-0.001	0.001	0	0	-0.001	0.001	0	-0.001	2	-0.002	2	9999	Si
221	0.002	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0	2	-0.001	2	9999	Si
242	0.002	0.001	0.001	0	0.002	0.001	0	0	0.001	0.001	0.001	2	0	2	9999	Si
252	0.002	0.001	0.001	0	0.002	0.001	0.001	0	0.001	0.001	0.001	2	0	2	9999	Si
273	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
293	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
294	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	9828	19483	30011	SLV 3	0.38	775	1.035	-911929	-1636251	-1872764	SLV 3	0.22	214	0.611	No
42	8989	19483	30011	SLV 3	0.39	856	1.078	-911929	-1636251	-1872764	SLV 3	0.22	214	0.611	No
63	8085	19483	30011	SLV 3	0.41	949	1.125	-802536	-1460168	-1669231	SLV 3	0.22	219	0.617	No
84	7181	19483	30011	SLV 3	0.42	1054	1.174	-615966	-1136967	-1434530	SLV 3	0.27	334	0.733	No
95	6729	19483	26933	SLV 3	0.38	777	1.036	-529799	-975592	-971252	SLV 3	0.17	124	0.488	No
116	5825	19483	26933	SLV 3	0.39	865	1.083	-371701	-653718	-971252	SLV 3	0.33	577	0.917	No
137	4921	19483	26933	SLV 3	0.41	958	1.129	53546	-645546	-971252	SLV 15	0.56	2366	1.636	Si
158	4018	19483	26933	SLV 3	0.43	1064	1.179	121129	-956432	-971252	SLV 15	0.41	985	1.142	Si
179	3114	19483	26933	SLV 3	0.44	1179	1.23	169731	-1270330	-971252	SLV 15	0.33	549	0.899	No
200	2210	19483	26933	SLV 3	0.46	1301	1.28	199351	-1586938	-971252	SLV 15	0.27	352	0.749	No
221	1306	19483	26473	SLV 3	0.46	1364	1.305	209990	-1905810	-1019724	SLV 15	0.24	263	0.665	No
242	402	19483	21227	SLV 3	0.39	837	1.069	201648	-2226365	-1034782	SLV 15	0.21	190	0.582	No
252	-50	19483	21227	SLV 3	0.4	882	1.092	190359	-2387107	-1483186	SLV 15	0.26	315	0.716	No
273	-954	-19483	-21675	SLV 13	0.39	827	1.063	172806	-2562348	-1717649	SLV 15	0.27	352	0.749	No
293	-1793	-19483	-21675	SLV 13	0.37	747	1.02	172806	-2562348	-1935134	SLV 15	0.3	447	0.826	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	9828	6843	30011	SLD 3	0.4	882	2.747	-911929	-724089	-1872764	SLD 3	0.19	147	1.318	Si
42	8989	6843	30011	SLD 3	0.41	974	2.861	-911929	-724089	-1872764	SLD 3	0.19	147	1.318	Si
63	8085	6843	30011	SLD 3	0.43	1092	2.998	-802536	-646162	-1669231	SLD 3	0.19	150	1.329	Si
84	7181	6843	30011	SLD 3	0.45	1217	3.135	-615966	-503125	-1434530	SLD 3	0.23	227	1.575	Si
95	6729	6843	26933	SLD 3	0.4	884	2.75	-529799	-431705	-971252	SLD 3	0.14	86	1.058	Si
116	5825	6843	26933	SLD 3	0.41	985	2.874	-371701	-289241	-971252	SLD 3	0.28	385	1.956	Si
137	4921	6843	26933	SLD 3	0.43	1104	3.012	53546	-285606	-971252	SLD 15	0.48	1476	3.393	Si
158	4018	6843	26933	SLD 3	0.45	1228	3.146	121129	-423207	-971252	SLD 15	0.35	638	2.405	Si
179	3114	6843	26933	SLD 3	0.46	1361	3.282	169731	-562130	-971252	SLD 15	0.28	368	1.92	Si
200	2210	6843	26933	SLD 3	0.48	1502	3.417	199351	-702247	-971252	SLD 15	0.23	239	1.608	Si
221	1306	6843	26473	SLD 3	0.49	1576	3.485	209990	-843365	-1019724	SLD 15	0.2	178	1.425	Si
242	402	6843	21227	SLD 3	0.41	953	2.836	201648	-985226	-1034782	SLD 15	0.18	131	1.257	Si
252	-50	6843	21227	SLD 3	0.42	1007	2.9	190359	-1056361	-1483186	SLD 15	0.22	214	1.537	Si
273	-954	-6843	-21675	SLD 13	0.41	941	2.821	172806	-1133914	-1717649	SLD 15	0.23	239	1.608	Si
293	-1793	-6843	-21675	SLD 13	0.39	850	2.706	172806	-1133914	-1935134	SLD 15	0.26	304	1.775	Si

Campata 4 tra i fili 50 - ?, sezione R 45x70, asta 772

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	6.7						-1047721	SLU 30	-896897	-1935134	0.1	Si
23	15.21	5.4	22.81	6.7						-763059	SLU 36	-763059	-1935134	0.1	Si
45	13.05	5.4	19.81	6.6						-507027	SLU 36	-763059	-1668182	0.095	Si
68	10.92	5.4	12.23	6.4	-189500	SLU 11	12233	1496294	0.086	-309491	SLU 26	-576599	-1390044	0.089	Si
79	7.6	5.4	11.4	5.4	-104925	SLU 11	78501	1422093	0.084	-225580	SLU 26	-460737	-970824	0.078	Si
91	7.6	5.4	11.4	5.4	-27487	SLU 11	137828	1422093	0.084	-147396	SLU 26	-360453	-970824	0.078	Si
102	7.6	5.4	11.4	5.4	42814	SLU 11	201754	1422093	0.084	-74939	SLU 26	-272990	-970824	0.078	Si
125	7.6	5.4	11.4	5.4	167670	SLU 29	305320	1422093	0.084	47128	SLU 8	-115877	-970824	0.078	Si
147	7.6	5.4	11.4	5.4	280331	SLU 30	376149	1422093	0.084						Si
170	7.6	5.4	11.4	5.4	360511	SLU 30	413874	1422093	0.084						Si
193	7.6	5.4	11.4	5.4	407589	SLU 30	421563	1422093	0.084						Si
215	7.6	5.4	11.4	5.4	421563	SLU 30	421563	1422093	0.084						Si
238	7.6	5.4	11.4	5.4	405222	SLU 36	421563	1422093	0.084						Si
261	14.12	5.4	11.4	5.4	365611	SLU 36	410127	1422107	0.084						Si
272	15.72	5.4	15.89	5.4	335697	SLU 35	398296	1954195	0.089						Si
295	18.93	5.4	18.95	5.4	279748	SLU 26	351926	2315600	0.092						Si
317	19.01	5.4	19.01	5.4	211580	SLU 26	295769	2322809	0.092						Si
340	19.01	5.4	19.01	5.4	121678	SLU 26	121678	2322809	0.092	-132155	SLU 11	-49259	-2322809	0.092	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	6.7	809048	SLV 13	807303	2712392	0.102	-2323512	SLV 3	-2108150	-1935134	0.1	No
23	15.21	5.4	22.81	6.7	794682	SLV 13	794682	2712392	0.102	-1903622	SLV 3	-1903622	-1935134	0.1	Si
45	13.05	5.4	19.81	6.6	757913	SLV 13	794682	2369560	0.099	-1499715	SLV 3	-1903622	-1668182	0.095	No
68	10.92	5.4	12.23	6.4	699190	SLV 13	769820	1496294	0.086	-1121002	SLV 3	-1611389	-1390044	0.089	No
79	7.6	5.4	11.4	5.4	661542	SLV 13	746343	1422093	0.084	-939945	SLV 3	-1416142	-970824	0.078	No
91	7.6	5.4	11.4	5.4	618373	SLV 13	717340	1422093	0.084	-764424	SLV 3	-1226426	-970824	0.078	No
102	7.6	5.4	11.4	5.4	569684	SLV 13	682813	1422093	0.084	-594440	SLV 3	-1042243	-970824	0.078	No
125	7.6	5.4	11.4	5.4	455780	SLV 13	597193	1422093	0.084	-271116	SLV 3	-690481	-970824	0.078	Si
147	7.6	5.4	11.4	5.4	322025	SLV 9	489512	1422093	0.084	27831	SLV 7	-360886	-970824	0.078	Si
170	7.6	5.4	11.4	5.4	341200	SLV 1	630999	1422093	0.084	129619	SLV 15	-71136	-970824	0.078	Si
193	7.6	5.4	11.4	5.4	570458	SLV 1	864522	1422093	0.084	-22902	SLV 15	-284659	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	802958	SLV 3	1070786	1422093	0.084	-222895	SLV 13	-515334	-970824	0.078	Si
238	7.6	5.4	11.4	5.4	1015424	SLV 3	1254958	1422093	0.084	-447197	SLV 13	-768428	-970824	0.078	Si
261	14.12	5.4	11.4	5.4	1205859	SLV 3	1416928	1422107	0.084	-693980	SLV 13	-1043834	-1744542	0.088	Si
272	15.72	5.4	15.89	5.4	1292760	SLV 3	1489576	1954195	0.089	-825747	SLV 13	-1189893	-1934203	0.089	Si
295	18.93	5.4	18.95	5.4	1449896	SLV 3	1585667	2315600	0.092	-1106001	SLV 13	-1410879	-2313630	0.092	Si
317	19.01	5.4	19.01	5.4	1585667	SLV 3	1585667	2322809	0.092	-1410879	SLV 13	-1410879	-2322809	0.092	Si
340	19.01	5.4	19.01	5.4	1697524	SLV 3	1647038	2322809	0.092	-1733263	SLV 13	-1566657	-2322809	0.092	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	6.7						-1450371	SLD 3	-1295524	-1935134	0.1	Si
23	15.21	5.4	22.81	6.7	42581	SLD 13	147554	2712392	0.102	-1151522	SLD 3	-1151522	-1935134	0.1	Si
45	13.05	5.4	19.81	6.6	128643	SLD 13	205018	2369560	0.099	-870445	SLD 3	-1151522	-1668182	0.095	Si
68	10.92	5.4	12.23	6.4	191847	SLD 13	239873	1496294	0.086	-613659	SLD 3	-947673	-1390044	0.089	Si
79	7.6	5.4	11.4	5.4	215159	SLD 13	249016	1422093	0.084	-493562	SLD 3	-813391	-970824	0.078	Si
91	7.6	5.4	11.4	5.4	232945	SLD 13	252640	1422093	0.084	-378996	SLD 3	-684639	-970824	0.078	Si
102	7.6	5.4	11.4	5.4	245207	SLD 13	253172	1422093	0.084	-269963	SLD 3	-561417	-970824	0.078	Si
125	7.6	5.4	11.4	5.4	253172	SLD 13	253172	1422093	0.084	-68508	SLD 3	-331567	-970824	0.078	Si
147	7.6	5.4	11.4	5.4	240024	SLD 9	317591	1422093	0.084	109831	SLD 7	-123854	-970824	0.078	Si
170	7.6	5.4	11.4	5.4	282226	SLD 1	435293	1422093	0.084						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
193	7.6	5.4	11.4	5.4	405066	SLD 1	544208	1422093	0.084						Si
215	7.6	5.4	11.4	5.4	517019	SLD 3	628684	1422093	0.084	63044	SLD 13	-73231	-970824	0.078	Si
238	7.6	5.4	11.4	5.4	607745	SLD 3	690976	1422093	0.084	-39517	SLD 13	-204446	-970824	0.078	Si
261	14.12	5.4	11.4	5.4	676314	SLD 3	731036	1422107	0.084	-164434	SLD 13	-357942	-1744542	0.088	Si
272	15.72	5.4	15.89	5.4	702265	SLD 3	742724	1954195	0.089	-235252	SLD 13	-443040	-1934203	0.089	Si
295	18.93	5.4	18.95	5.4	737487	SLD 3	750462	2315600	0.092	-393592	SLD 13	-575648	-2313630	0.092	Si
317	19.01	5.4	19.01	5.4	750435	SLD 3	750462	2322809	0.092	-575648	SLD 13	-575648	-2322809	0.092	Si
340	19.01	5.4	19.01	5.4	741256	SLD 3	741256	2322809	0.092	-776995	SLD 13	-670899	-2322809	0.092	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.92	0	13760	SLU 30	13760	10764	76908	0	10764	1	Si
11	0	7.6	0	13030	SLU 30	13030	9541	76908	0	9541	1	Si
23	0.187	7.6	0	12311	SLU 30	12311	9541	76908	21675	21675	1	Si
45	0.187	7.6	0	10839	SLU 30	10839	9541	76908	21675	21675	1	Si
68	0.187	7.6	0	9379	SLU 30	9379	9541	76908	21675	21675	1	Si
91	0.187	7.6	0	7919	SLU 30	7919	9541	76908	21675	21675	1	Si
102	0.149	11.4	0	7188	SLU 30	7188	10922	76908	17318	17318	1	Si
125	0.149	11.4	0	5757	SLU 36	5757	10922	76908	17318	17318	1	Si
147	0.149	11.4	0	4395	SLU 36	4395	10922	76908	17318	17318	1	Si
170	0.149	11.4	0	3147	SLU 35	3147	10922	76908	17318	17318	1	Si
193	0.149	11.4	0	2098	SLU 26	2098	10922	76908	17318	17318	1	Si
215	0.149	11.4	0	1087	SLU 26	1087	10922	76908	17318	17318	1	Si
215	0.149	11.4	0	-409	SLU 11	-409	-10922	-76908	-17318	-17318	1	Si
238	0.149	11.4	0	71	SLU 26	71	10922	76908	17318	17318	1	Si
238	0.149	11.4	0	-1676	SLU 11	-1676	-10922	-76908	-17318	-17318	1	Si
261	0.144	11.4	0	-3093	SLU 29	-3093	-10922	-76908	-16673	-16673	1	Si
272	0.144	11.4	0	-3828	SLU 29	-3828	-10922	-76908	-16673	-16673	1	Si
295	0.144	11.4	0	-5298	SLU 29	-5298	-10922	-76908	-16673	-16673	1	Si
317	0.144	11.4	0	-6779	SLU 29	-6779	-10922	-76908	-16673	-16673	1	Si
340	0	15.72	0	-8228	SLU 29	-8228	-12156	-76908	0	-12156	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.92	0	19149	SLV 3	21658	10764	76908	0	10764	1	Si
0	0	12.23	0	-153	SLV 13	-2663	-11068	-75321	0	-11068	1	Si
11	0	7.6	0	18661	SLV 3	21170	9541	76908	0	9541	1	Si
11	0	11.4	0	-641	SLV 13	-3151	-10811	-75321	0	-10811	1	Si
23	0.187	7.6	0	18180	SLV 3	20690	9541	76908	21675	21675	1	Si
23	0.187	11.4	0	-1122	SLV 13	-3631	-10811	-75321	-21227	-21227	1	Si
45	0.187	7.6	0	17197	SLV 3	19707	9541	76908	21675	21675	1	Si
45	0.187	11.4	0	-2105	SLV 13	-4614	-10820	-75443	-21262	-21262	1	Si
68	0.187	7.6	0	16222	SLV 3	18731	9541	76908	21675	21675	1	Si
68	0.187	11.4	0	-3080	SLV 13	-5590	-10839	-75724	-21341	-21341	1	Si
91	0.187	7.6	0	15246	SLV 3	17755	9541	76908	21675	21675	1	Si
91	0.187	11.4	0	-4056	SLV 13	-6565	-10922	-76908	-21675	-21675	1	Si
102	0.149	7.6	0	14758	SLV 3	17268	9541	76908	17318	17318	1	Si
102	0.149	11.4	0	-4544	SLV 13	-7053	-10922	-76908	-17318	-17318	1	Si
125	0.149	7.6	0	13783	SLV 3	16292	9541	76908	17318	17318	1	Si
125	0.149	11.4	0	-5519	SLV 13	-8029	-10922	-76908	-17318	-17318	1	Si
147	0.149	11.4	0	12807	SLV 3	15316	10922	76908	17318	17318	1	Si
147	0.149	11.4	0	-6495	SLV 13	-9004	-10922	-76908	-17318	-17318	1	Si
170	0.149	11.4	0	11832	SLV 3	14341	10922	76908	17318	17318	1	Si
170	0.149	11.4	0	-7471	SLV 13	-9980	-10922	-76908	-17318	-17318	1	Si
193	0.149	11.4	0	10856	SLV 3	13365	10922	76908	17318	17318	1	Si
193	0.149	7.6	0	-8446	SLV 13	-10955	-9541	-76908	-17318	-17318	1	Si
215	0.149	11.4	0	9880	SLV 3	12390	10922	76908	17318	17318	1	Si
215	0.149	7.6	0	-9422	SLV 13	-11931	-9541	-76908	-17318	-17318	1	Si
238	0.149	11.4	0	8899	SLV 3	11408	10922	76908	17318	17318	1	Si
238	0.149	7.6	0	-10403	SLV 13	-12912	-9541	-76908	-17318	-17318	1	Si
261	0.144	11.4	0	7917	SLV 3	10426	10922	76908	16673	16673	1	Si
261	0.144	7.6	0	-11385	SLV 13	-13894	-9541	-76908	-16673	-16673	1	Si
272	0.144	11.4	0	7426	SLV 3	9935	10922	76908	16673	16673	1	Si
272	0.144	7.6	0	-11876	SLV 13	-14385	-9541	-76908	-16673	-16673	1	Si
295	0.144	11.4	0	6444	SLV 3	8954	10922	76908	16673	16673	1	Si
295	0.144	7.6	0	-12858	SLV 13	-15367	-9541	-76908	-16673	-16673	1	Si
317	0.144	11.4	0	5455	SLV 3	7964	10922	76908	16673	16673	1	Si
317	0.144	12.52	0	-13847	SLV 13	-16356	-11267	-76908	-16673	-16673	1	Si
340	0	15.89	0	4487	SLV 3	6996	12200	76908	0	12200	1	Si
340	0	15.72	0	-14815	SLV 13	-17324	-12156	-76908	0	-12156	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.92	0	13769	SLD 3	13769	10764	76908	0	10764	1	Si
11	0	7.6	0	13281	SLD 3	13281	9541	76908	0	9541	1	Si
23	0.187	7.6	0	12800	SLD 3	12800	9541	76908	21675	21675	1	Si
45	0.187	7.6	0	11817	SLD 3	11817	9541	76908	21675	21675	1	Si
68	0.187	7.6	0	10842	SLD 3	10842	9541	76908	21675	21675	1	Si
91	0.187	7.6	0	9866	SLD 3	9866	9541	76908	21675	21675	1	Si
102	0.149	7.6	0	9378	SLD 3	9378	9541	76908	17318	17318	1	Si
125	0.149	7.6	0	8403	SLD 3	8403	9541	76908	17318	17318	1	Si
125	0.149	11.4	0	-139	SLD 13	-139	-10922	-76908	-17318	-17318	1	Si
147	0.149	11.4	0	7427	SLD 3	7427	10922	76908	17318	17318	1	Si
147	0.149	11.4	0	-1115	SLD 13	-1115	-10922	-76908	-17318	-17318	1	Si
170	0.149	11.4	0	6451	SLD 3	6451	10922	76908	17318	17318	1	Si
170	0.149	11.4	0	-2090	SLD 13	-2090	-10922	-76908	-17318	-17318	1	Si
193	0.149	11.4	0	5476	SLD 3	5476	10922	76908	17318	17318	1	Si
193	0.149	11.4	0	-3066	SLD 13	-3066	-10922	-76908	-17318	-17318	1	Si
215	0.149	11.4	0	4500	SLD 3	4500	10922	76908	17318	17318	1	Si
215	0.149	11.4	0	-4042	SLD 13	-4042	-10922	-76908	-17318	-17318	1	Si
238	0.149	11.4	0	3519	SLD 3	3519	10922	76908	17318	17318	1	Si
238	0.149	7.6	0	-5023	SLD 13	-5023	-9541	-76908	-17318	-17318	1	Si
261	0.144	11.4	0	2537	SLD 3	2537	10922	76908	16673	16673	1	Si
261	0.144	7.6	0	-6005	SLD 13	-6005	-9541	-76908	-16673	-16673	1	Si
272	0.144	11.4	0	2046	SLD 3	2046	10922	76908	16673	16673	1	Si
272	0.144	7.6	0	-6496	SLD 13	-6496	-9541	-76908	-16673	-16673	1	Si
295	0.144	11.4	0	1064	SLD 3	1064	10922	76908	16673	16673	1	Si
295	0.144	7.6	0	-7478	SLD 13	-7478	-9541	-76908	-16673	-16673	1	Si
317	0.144	11.4	0	75	SLD 3	75	10922	76908	16673	16673	1	Si
317	0.144	12.52	0	-8467	SLD 13	-8467	-11267	-76908	-16673	-16673	1	Si
340	0	15.72	0	-9435	SLD 13	-9435	-12156	-76908	0	-12156	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-785278	3	-673909	18.9	124.5	757.1	1837	-757232	2	-650424	18.3	93.4	0	+∞	Si
23	-574857	9	-574857	16.2	124.5	645.8	1837	-554470	2	-554470	15.6	93.4	0	+∞	Si
45	-385250	9	-574857	17.5	124.5	749.3	1837	-370901	2	-554470	16.9	93.4	0	+∞	Si
68	-234382	8	-436791	15.4	124.5	678.4	1837	-223439	1	-420785	14.8	93.4	0	+∞	Si
91	-103625	8	-275377	6.2	124.5	95.5	1837	-95952	1	-263511	10.6	93.4	0	+∞	Si
102	5628	2	139892	5.1	124.5	208.3	1837								Si
102	-45426	8	-204901	4.6	124.5	71.1	1837	-39387	1	-194670	7.8	93.4	0	+∞	Si
125	114298	2	218023	7.9	124.5	324.6	1837	92332	2	193576	7	93.4	0	+∞	Si
147	199064	3	272303	9.9	124.5	405.4	1837	174928	2	247810	9	93.4	0	+∞	Si
170	260151	3	302491	11	124.5	450.4	1837	235410	2	279931	10.2	93.4	0	+∞	Si
193	297145	3	310045	11.3	124.5	461.6	1837	273778	2	290032	10.5	93.4	0	+∞	Si
215	310045	3	310045	11.3	124.5	461.6	1837	290032	2	290032	10.5	93.4	0	+∞	Si
238	300705	9	310045	11.3	124.5	461.6	1837	284114	2	290032	10.5	93.4	0	+∞	Si
261	273816	9	303680	10.1	124.5	450	1837	255940	2	287357	9.6	93.4	0	+∞	Si
272	252868	8	296094	8.6	124.5	317.8	1837	234390	1	279196	8.1	93.4	0	+∞	Si
295	210972	8	264255	7	124.5	238.8	1837	189225	1	246181	6.5	93.4	0	+∞	Si
317	149256	8	223825	5.9	124.5	201.6	1837	124216	1	202977	5.3	93.4	0	+∞	Si
340	69445	8	69445	1.8	124.5	62.6	1837	41160	1	41160	1.1	93.4	0	+∞	Si
340	-57222	2	-17053	0.4	124.5	15.4	1837	-17870	2	-17870	0.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
45	0.001	0	0	0	0	0	0	0	0	0	0	2	-0.001	2	9999	Si
68	0.002	0.001	0.001	0	0.002	0.001	0.001	0	0.001	0.001	0.002	2	0	2	9999	Si
91	0.003	0.002	0.002	0.001	0.003	0.002	0.002	0.001	0.003	0.002	0.004	2	0.002	2	9999	Si
102	0.004	0.003	0.002	0.001	0.004	0.003	0.002	0.001	0.003	0.003	0.005	2	0.004	2	9999	Si
125	0.005	0.004	0.004	0.002	0.005	0.004	0.003	0.002	0.005	0.004	0.008	2	0.006	2	9999	Si
147	0.007	0.005	0.005	0.003	0.006	0.005	0.004	0.003	0.006	0.005	0.01	2	0.008	2	9999	Si
170	0.007	0.006	0.005	0.004	0.007	0.006	0.005	0.004	0.007	0.006	0.012	2	0.01	2	9999	Si
193	0.008	0.006	0.006	0.004	0.007	0.006	0.005	0.004	0.007	0.006	0.013	2	0.011	2	9999	Si
204	0.008	0.006	0.006	0.004	0.007	0.006	0.005	0.004	0.007	0.006	0.013	2	0.011	2	9999	Si
215	0.008	0.006	0.006	0.004	0.007	0.006	0.005	0.004	0.007	0.006	0.013	2	0.011	2	9999	Si
238	0.007	0.006	0.005	0.004	0.007	0.006	0.005	0.004	0.007	0.006	0.012	2	0.011	2	9999	Si
261	0.006	0.005	0.005	0.004	0.006	0.005	0.004	0.004	0.006	0.005	0.011	2	0.01	2	9999	Si
272	0.006	0.005	0.004	0.003	0.005	0.005	0.004	0.003	0.005	0.005	0.009	2	0.009	2	9999	Si
295	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.004	0.003	0.007	2	0.006	2	9999	Si
317	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	8529	12160	21675	SLV 3	0.39	860	1.081	-554470	-1349152	-1935134	SLV 3	0.37	753	1.023	Si
45	7546	12160	21675	SLV 3	0.42	1030	1.163	-554470	-1349152	-1668182	SLV 3	0.3	450	0.829	No
68	6571	12160	21675	SLV 3	0.45	1229	1.251	-420785	-1190605	-1390044	SLV 3	0.3	437	0.819	No
91	5595	12160	21675	SLV 3	0.47	1451	1.339	-254543	-971883	-970824	SLV 3	0.27	352	0.749	No
102	5107	12160	17318	SLV 3	0.37	719	1.004	-179715	-862528	-970824	SLV 3	0.33	577	0.917	No
125	4132	12160	17318	SLV 3	0.39	867	1.084	-46644	-643837	-970824	SLV 3	0.51	1807	1.465	Si
147	3156	12160	17318	SLV 3	0.42	1037	1.167	64313	-425199	-970824	SLV 3	0.57	2474	1.666	Si
170	2181	12160	17318	SLV 3	0.45	1237	1.254	279931	351067	1422093	SLV 3	0.57	2474	1.666	Si
193	1205	12160	17318	SLV 3	0.48	1459	1.342	289932	574591	1422093	SLV 3	0.57	2474	1.666	Si
215	229	12160	17318	SLV 3	0.5	1708	1.432	277726	793060	1422093	SLV 3	0.52	1832	1.473	Si
238	-752	-12160	-17318	SLV 13	0.49	1571	1.383	243265	1011693	1422093	SLV 3	0.42	1038	1.167	Si
261	-1734	-12160	-16673	SLV 13	0.44	1194	1.236	186547	1230381	1422107	SLV 3	0.37	719	1.004	Si
272	-2225	-12160	-16673	SLV 13	0.43	1093	1.192	149842	1339735	1954195	SLV 3	0.48	1524	1.366	Si
295	-3207	-12160	-16673	SLV 13	0.4	912	1.107	87394	1498273	2315600	SLV 3	0.53	1987	1.523	Si
317	-4196	-12160	-16673	SLV 13	0.37	757	1.025	87394	1498273	2322809	SLV 3	0.53	2004	1.528	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	8529	4271	21675	SLD 3	0.41	979	2.867	-554470	-597052	-1935134	SLD 3	0.31	489	2.157	Si
45	7546	4271	21675	SLD 3	0.44	1189	3.105	-554470	-597052	-1668182	SLD 3	0.26	306	1.78	Si
68	6571	4271	21675	SLD 3	0.47	1420	3.339	-420785	-526889	-1390044	SLD 3	0.25	297	1.758	Si
91	5595	4271	21675	SLD 3	0.5	1677	3.575	-254543	-430096	-970824	SLD 3	0.23	238	1.606	Si
102	5107	4271	17318	SLD 3	0.38	818	2.664	-179715	-381702	-970824	SLD 3	0.28	385	1.956	Si
125	4132	4271	17318	SLD 3	0.41	988	2.878	-46644	-284923	-970824	SLD 3	0.43	1129	3.04	Si
147	3156	4271	17318	SLD 3	0.44	1197	3.113	64313	-188167	-970824	SLD 3	0.6	2474	4.193	Si
170	2181	4271	17318	SLD 3	0.47	1428	3.347	279931	155361	1422093	SLD 3	0.6	2474	4.193	Si
193	1205	4271	17318	SLD 3	0.5	1687	3.584	289932	254276	1422093	SLD 3	0.59	2474	4.193	Si
215	229	4271	17318	SLD 3	0.53	1975	3.823	277726	350958	1422093	SLD 3	0.44	1145	3.057	Si
238	-752	-4271	-17318	SLD 13	0.51	1816	3.694	243265	447711	1422093	SLD 3	0.36	669	2.453	Si
261	-1734	-4271	-16673	SLD 13	0.47	1378	3.299	186547	544489	1422107	SLD 3	0.31	469	2.12	Si
272	-2225	-4271	-16673	SLD 13	0.45	1262	3.182	149842	592882	1954195	SLD 3	0.41	953	2.836	Si
295	-3207	-4271	-16673	SLD 13	0.42	1045	2.945	88133	662330	2315600	SLD 3	0.45	1242	3.161	Si
317	-4196	-4271	-16673	SLD 13	0.39	861	2.72	87394	663041	2322809	SLD 3	0.45	1251	3.17	Si

Campata 5 tra i fili ? - 52A, sezione R 45x70, asta 773

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4						-681580	SLU 29	-589121	-2322809	0.092	Si
17	19.01	5.4	19.01	5.4						-547101	SLU 29	-542308	-2322809	0.092	Si
23	19.01	5.4	19.01	5.4						-508703	SLU 29	-508703	-2322809	0.092	Si
34	19.01	5.4	19.01	5.4						-427137	SLU 29	-508703	-2322809	0.092	Si
51	19.01	5.4	19.01	5.4						-321691	SLU 29	-508703	-2322809	0.092	Si
60	19.01	5.4	19.01	5.4						-274411	SLU 29	-449636	-2322809	0.092	Si
77	19.01	5.4	17.83	5.4						-190739	SLU 29	-341382	-2322926	0.093	Si
94	19.01	5.4	15.52	5.4						-121763	SLU 30	-247644	-2323077	0.094	Si
112	17.34	5.4	11.4	5.4	-35810	SLU 1	2371	1422107	0.084	-67921	SLU 30	-168423	-2126535	0.094	Si
129	14.92	5.4	11.4	5.4	-11927	SLU 1	17025	1422107	0.084	-30155	SLU 36	-104142	-1838781	0.089	Si
146	12.49	5.4	11.4	5.4	7859	SLU 19	20996	1422094	0.084	-14172	SLU 18	-54751	-1550830	0.085	Si
163	7.6	5.4	11.4	5.4	19804	SLU 20	20996	1422093	0.084	-11597	SLU 17	-30610	-970824	0.078	Si
180	7.6	5.4	11.4	5.4	18850	SLU 20	20996	1422093	0.084	-18687	SLU 17	-57871	-970824	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
197	7.6	5.4	11.4	5.4	7799	SLU 19	20996	1422093	0.084	-37402	SLU 18	-97766	-970824	0.078	Si
206	7.6	5.4	11.4	5.4	-1171	SLU 19	19680	1422093	0.084	-51358	SLU 18	-124462	-970824	0.078	Si
223	7.6	5.4	11.4	5.4	-26791	SLU 19	10278	1422093	0.084	-87916	SLU 18	-124462	-970824	0.078	Si
235	7.6	5.4	11.4	5.4						-124462	SLU 36	-124462	-970824	0.078	Si
240	7.6	5.4	11.4	5.4						-142490	SLU 36	-140128	-970824	0.078	Si
257	7.6	5.4	11.4	5.4						-210706	SLU 36	-161950	-970824	0.078	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	2084795	SLV 13	1994364	2322809	0.092	-3006991	SLV 3	-2791486	-2322809	0.092	No
17	19.01	5.4	19.01	5.4	1942222	SLV 13	1936907	2322809	0.092	-2682450	SLV 3	-2670649	-2322809	0.092	No
23	19.01	5.4	19.01	5.4	1895660	SLV 13	1895660	2322809	0.092	-2583903	SLV 3	-2583903	-2322809	0.092	No
34	19.01	5.4	19.01	5.4	1789920	SLV 13	1895660	2322809	0.092	-2367702	SLV 3	-2583903	-2322809	0.092	No
51	19.01	5.4	19.01	5.4	1627902	SLV 13	1895660	2322809	0.092	-2062761	SLV 3	-2583903	-2322809	0.092	No
60	19.01	5.4	19.01	5.4	1543257	SLV 13	1819845	2322809	0.092	-1913974	SLV 3	-2428100	-2322809	0.092	No
77	19.01	5.4	17.83	5.4	1366714	SLV 13	1659705	2183954	0.091	-1623792	SLV 3	-2121261	-2322926	0.093	Si
94	19.01	5.4	15.52	5.4	1180553	SLV 13	1489868	1910128	0.088	-1343514	SLV 3	-1824247	-2323077	0.094	Si
112	17.34	5.4	11.4	5.4	984903	SLV 13	1310370	1422107	0.084	-1073269	SLV 3	-1537095	-2126535	0.094	Si
129	14.92	5.4	11.4	5.4	780104	SLV 13	1121286	1422107	0.084	-813397	SLV 3	-1259879	-1838781	0.089	Si
146	12.49	5.4	11.4	5.4	567413	SLV 15	922788	1422094	0.084	-565156	SLV 1	-992772	-1550830	0.085	Si
163	7.6	5.4	11.4	5.4	352086	SLV 15	715392	1422093	0.084	-333801	SLV 1	-736289	-970824	0.078	Si
180	7.6	5.4	11.4	5.4	143257	SLV 15	501234	1422093	0.084	-128466	SLV 1	-492566	-970824	0.078	Si
197	7.6	5.4	11.4	5.4	153266	SLV 3	496674	1422093	0.084	-161492	SLV 13	-588976	-970824	0.078	Si
206	7.6	5.4	11.4	5.4	254466	SLV 3	594315	1422093	0.084	-281521	SLV 13	-721663	-970824	0.078	Si
223	7.6	5.4	11.4	5.4	458273	SLV 3	594315	1422093	0.084	-537628	SLV 13	-721663	-970824	0.078	Si
235	7.6	5.4	11.4	5.4	594315	SLV 3	594315	1422093	0.084	-721663	SLV 13	-721663	-970824	0.078	Si
240	7.6	5.4	11.4	5.4	654644	SLV 3	647971	1422093	0.084	-805823	SLV 13	-796001	-970824	0.078	Si
257	7.6	5.4	11.4	5.4	841906	SLV 3	722714	1422093	0.084	-1084430	SLV 13	-899552	-970824	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	665507	SLD 13	660349	2322809	0.092	-1587703	SLD 3	-1457471	-2322809	0.092	Si
17	19.01	5.4	19.01	5.4	653133	SLD 13	652589	2322809	0.092	-1393361	SLD 3	-1386331	-2322809	0.092	Si
23	19.01	5.4	19.01	5.4	647018	SLD 13	647018	2322809	0.092	-1335260	SLD 3	-1335260	-2322809	0.092	Si
34	19.01	5.4	19.01	5.4	631012	SLD 13	647018	2322809	0.092	-1208794	SLD 3	-1335260	-2322809	0.092	Si
51	19.01	5.4	19.01	5.4	599150	SLD 13	647018	2322809	0.092	-1034008	SLD 3	-1335260	-2322809	0.092	Si
60	19.01	5.4	19.01	5.4	579568	SLD 13	635762	2322809	0.092	-950286	SLD 3	-1244016	-2322809	0.092	Si
77	19.01	5.4	17.83	5.4	533115	SLD 13	605783	2183954	0.091	-790193	SLD 3	-1067339	-2322926	0.093	Si
94	19.01	5.4	15.52	5.4	476963	SLD 13	566070	1910128	0.088	-639923	SLD 3	-900450	-2323077	0.094	Si
112	17.34	5.4	11.4	5.4	411168	SLD 13	516640	1422107	0.084	-499533	SLD 3	-743366	-2126535	0.094	Si
129	14.92	5.4	11.4	5.4	335879	SLD 13	457526	1422107	0.084	-369172	SLD 3	-596119	-1838781	0.089	Si
146	12.49	5.4	11.4	5.4	251649	SLD 15	388801	1422094	0.084	-249392	SLD 1	-458785	-1550830	0.085	Si
163	7.6	5.4	11.4	5.4	160795	SLD 15	310693	1422093	0.084	-142509	SLD 1	-331590	-970824	0.078	Si
180	7.6	5.4	11.4	5.4	67280	SLD 15	224141	1422093	0.084	-52489	SLD 1	-215473	-970824	0.078	Si
197	7.6	5.4	11.4	5.4	65363	SLD 3	194039	1422093	0.084	-73589	SLD 13	-286341	-970824	0.078	Si
206	7.6	5.4	11.4	5.4	104985	SLD 3	227490	1422093	0.084	-132040	SLD 13	-354838	-970824	0.078	Si
223	7.6	5.4	11.4	5.4	180650	SLD 3	227490	1422093	0.084	-260006	SLD 13	-354838	-970824	0.078	Si
235	7.6	5.4	11.4	5.4	227490	SLD 3	227490	1422093	0.084	-354838	SLD 13	-354838	-970824	0.078	Si
240	7.6	5.4	11.4	5.4	247550	SLD 3	245470	1422093	0.084	-398728	SLD 13	-393499	-970824	0.078	Si
257	7.6	5.4	11.4	5.4	304968	SLD 3	270516	1422093	0.084	-547491	SLD 13	-447354	-970824	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	8257	SLU 29	8257	12949	76908	0	12949	1	Si
17	0	19.01	0	7411	SLU 29	7411	12949	76908	0	12949	1	Si
23	0.201	19.01	0	7148	SLU 29	7148	12949	76908	23342	23342	1	Si
34	0.201	18.56	0	6565	SLU 29	6565	12846	76908	23342	23342	1	Si
51	0.201	16.13	0	5720	SLU 29	5720	12260	76908	23342	23342	1	Si
60	0.201	14.92	0	5297	SLU 29	5297	11944	76908	23342	23342	1	Si
77	0.201	12.49	0	4451	SLU 29	4451	11258	76908	23342	23342	1	Si
94	0.18	7.6	0	3606	SLU 29	3606	9541	76908	20927	20927	1	Si
112	0.18	7.6	0	2760	SLU 29	2760	9541	76908	20927	20927	1	Si
129	0.18	7.6	0	1914	SLU 29	1914	9541	76908	20927	20927	1	Si
146	0.18	11.4	0	1111	SLU 20	1111	10922	76908	20927	20927	1	Si
163	0.18	11.4	0	333	SLU 20	333	10922	76908	20927	20927	1	Si
163	0.18	7.6	0	-141	SLU 17	-141	-9541	-76908	-20927	-20927	1	Si
180	0.172	7.6	0	-809	SLU 36	-809	-9541	-76908	-20007	-20007	1	Si
197	0.172	7.6	0	-1600	SLU 36	-1600	-9541	-76908	-20007	-20007	1	Si
206	0.172	7.6	0	-1996	SLU 36	-1996	-9541	-76908	-20007	-20007	1	Si
223	0.172	7.6	0	-2787	SLU 36	-2787	-9541	-76908	-20007	-20007	1	Si
235	0.172	7.6	0	-3366	SLU 30	-3366	-9541	-76908	-20007	-20007	1	Si
240	0	7.6	0	-3628	SLU 30	-3628	-9541	-76908	0	-9541	1	Si
257	0	7.6	0	-4474	SLU 30	-4474	-9541	-76908	0	-9541	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	19197	SLV 3	22736	12949	76908	0	12949	1	Si
0	0	18.99	0	-8028	SLV 13	-11568	-12946	-76908	0	-12946	1	Si
17	0	19.01	0	18628	SLV 3	22168	12949	76908	0	12949	1	Si
17	0	16.68	0	-8597	SLV 13	-12136	-12397	-76908	0	-12397	1	Si
23	0.201	19.01	0	18452	SLV 3	21991	12949	76908	23342	23342	1	Si
23	0.201	16.68	0	-8774	SLV 13	-12313	-12397	-76908	-23342	-23342	1	Si
34	0.201	18.56	0	18060	SLV 3	21599	12846	76908	23342	23342	1	Si
34	0.201	11.4	0	-9166	SLV 13	-12705	-10922	-76908	-23342	-23342	1	Si
51	0.201	16.13	0	17491	SLV 3	21031	12260	76908	23342	23342	1	Si
51	0.201	11.4	0	-9734	SLV 13	-13274	-10922	-76908	-23342	-23342	1	Si
60	0.201	14.92	0	17207	SLV 3	20746	11944	76908	23342	23342	1	Si
60	0.201	11.4	0	-10019	SLV 13	-13558	-10922	-76908	-23342	-23342	1	Si
77	0.201	12.49	0	16638	SLV 3	20178	11258	76908	23342	23342	1	Si
77	0.201	11.4	0	-10587	SLV 13	-14126	-10922	-76908	-23342	-23342	1	Si
94	0.18	7.6	0	16070	SLV 3	19609	9541	76908	20927	20927	1	Si
94	0.18	11.4	0	-11156	SLV 13	-14695	-10922	-76908	-20927	-20927	1	Si
112	0.18	7.6	0	15501	SLV 3	19040	9541	76908	20927	20927	1	Si
112	0.18	11.4	0	-11724	SLV 13	-15264	-10922	-76908	-20927	-20927	1	Si
129	0.18	7.6	0	14933	SLV 3	18472	9541	76908	20927	20927	1	Si
129	0.18	11.4	0	-12293	SLV 13	-15832	-10922	-76908	-20927	-20927	1	Si
146	0.18	7.6	0	14364	SLV 3	17903	9541	76908	20927	20927	1	Si
146	0.18	11.4	0	-12862	SLV 13	-16401	-10922	-76908	-20927	-20927	1	Si
163	0.18	7.6	0	13795	SLV 3	17335	9541	76908	20927	20927	1	Si
163	0.18	11.4	0	-13430	SLV 13	-16970	-10922	-76908	-20927	-20927	1	Si
180	0.172	7.6	0	13227	SLV 3	16766	9541	76908	20007	20007	1	Si
180	0.172	11.4	0	-13999	SLV 13	-17538	-10922	-76908	-20007	-20007	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
197	0.172	11.4	0	12658	SLV 3	16197	10922	76908	20007	20007	1	Si
197	0.172	7.6	0	-14567	SLV 13	-18107	-9541	-76908	-20007	-20007	1	Si
206	0.172	11.4	0	12374	SLV 3	15913	10922	76908	20007	20007	1	Si
206	0.172	7.6	0	-14852	SLV 13	-18391	-9541	-76908	-20007	-20007	1	Si
223	0.172	11.4	0	11805	SLV 3	15344	10922	76908	20007	20007	1	Si
223	0.172	7.6	0	-15420	SLV 13	-18960	-9541	-76908	-20007	-20007	1	Si
235	0.172	11.4	0	11413	SLV 3	14952	10922	76908	20007	20007	1	Si
235	0.172	7.6	0	-15812	SLV 13	-19352	-9541	-76908	-20007	-20007	1	Si
240	0	11.4	0	11237	SLV 3	14776	10922	76908	0	10922	1	Si
240	0	7.6	0	-15989	SLV 13	-19528	-9541	-76908	0	-9541	1	Si
257	0	11.4	0	10668	SLV 3	14207	10922	76908	0	10922	1	Si
257	0	7.6	0	-16558	SLV 13	-20097	-9541	-76908	0	-9541	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	11608	SLD 3	11608	12949	76908	0	12949	1	Si
0	0	18.99	0	-440	SLD 13	-440	-12946	-76908	0	-12946	1	Si
17	0	19.01	0	11040	SLD 3	11040	12949	76908	0	12949	1	Si
17	0	16.68	0	-1008	SLD 13	-1008	-12397	-76908	0	-12397	1	Si
23	0.201	19.01	0	10863	SLD 3	10863	12949	76908	23342	23342	1	Si
23	0.201	16.68	0	-1185	SLD 13	-1185	-12397	-76908	-23342	-23342	1	Si
34	0.201	18.56	0	10471	SLD 3	10471	12846	76908	23342	23342	1	Si
34	0.201	11.4	0	-1577	SLD 13	-1577	-10922	-76908	-23342	-23342	1	Si
51	0.201	16.13	0	9903	SLD 3	9903	12260	76908	23342	23342	1	Si
51	0.201	11.4	0	-2146	SLD 13	-2146	-10922	-76908	-23342	-23342	1	Si
60	0.201	14.92	0	9618	SLD 3	9618	11944	76908	23342	23342	1	Si
60	0.201	11.4	0	-2430	SLD 13	-2430	-10922	-76908	-23342	-23342	1	Si
77	0.201	12.49	0	9050	SLD 3	9050	11258	76908	23342	23342	1	Si
77	0.201	11.4	0	-2999	SLD 13	-2999	-10922	-76908	-23342	-23342	1	Si
94	0.18	7.6	0	8481	SLD 3	8481	9541	76908	20927	20927	1	Si
94	0.18	11.4	0	-3567	SLD 13	-3567	-10922	-76908	-20927	-20927	1	Si
112	0.18	7.6	0	7912	SLD 3	7912	9541	76908	20927	20927	1	Si
112	0.18	11.4	0	-4136	SLD 13	-4136	-10922	-76908	-20927	-20927	1	Si
129	0.18	7.6	0	7344	SLD 3	7344	9541	76908	20927	20927	1	Si
129	0.18	11.4	0	-4704	SLD 13	-4704	-10922	-76908	-20927	-20927	1	Si
146	0.18	7.6	0	6775	SLD 3	6775	9541	76908	20927	20927	1	Si
146	0.18	11.4	0	-5273	SLD 13	-5273	-10922	-76908	-20927	-20927	1	Si
163	0.18	7.6	0	6207	SLD 3	6207	9541	76908	20927	20927	1	Si
163	0.18	11.4	0	-5842	SLD 13	-5842	-10922	-76908	-20927	-20927	1	Si
180	0.172	7.6	0	5638	SLD 3	5638	9541	76908	20007	20007	1	Si
180	0.172	11.4	0	-6410	SLD 13	-6410	-10922	-76908	-20007	-20007	1	Si
197	0.172	11.4	0	5069	SLD 3	5069	10922	76908	20007	20007	1	Si
197	0.172	7.6	0	-6979	SLD 13	-6979	-9541	-76908	-20007	-20007	1	Si
206	0.172	11.4	0	4785	SLD 3	4785	10922	76908	20007	20007	1	Si
206	0.172	7.6	0	-7263	SLD 13	-7263	-9541	-76908	-20007	-20007	1	Si
223	0.172	11.4	0	4216	SLD 3	4216	10922	76908	20007	20007	1	Si
223	0.172	7.6	0	-7832	SLD 13	-7832	-9541	-76908	-20007	-20007	1	Si
235	0.172	11.4	0	3825	SLD 3	3825	10922	76908	20007	20007	1	Si
235	0.172	7.6	0	-8224	SLD 13	-8224	-9541	-76908	-20007	-20007	1	Si
240	0	11.4	0	3648	SLD 3	3648	10922	76908	0	10922	1	Si
240	0	7.6	0	-8400	SLD 13	-8400	-9541	-76908	0	-9541	1	Si
257	0	11.4	0	3079	SLD 3	3079	10922	76908	0	10922	1	Si
257	0	7.6	0	-8969	SLD 13	-8969	-9541	-76908	0	-9541	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-499687	2	-431896	11.4	124.5	389.1	1837	-461098	2	-398561	10.5	93.4	0	+∞	Si
17	-401064	2	-397549	10.5	124.5	358.1	1837	-370114	2	-366871	9.7	93.4	0	+∞	Si
23	-372891	2	-372891	9.8	124.5	335.9	1837	-344121	2	-344121	9.1	93.4	0	+∞	Si
34	-313032	2	-372891	9.8	124.5	335.9	1837	-288891	2	-344121	9.1	93.4	0	+∞	Si
51	-235591	2	-372891	9.8	124.5	335.9	1837	-217429	2	-344121	9.1	93.4	0	+∞	Si
60	-200843	2	-329545	8.7	124.5	296.9	1837	-185359	2	-304127	8	93.4	0	+∞	Si
77	-139290	2	-250056	6.7	124.5	225.5	1837	-128539	2	-230778	6.2	93.4	0	+∞	Si
94	-88448	3	-181159	5	124.5	163.7	1837	-81480	2	-167190	4.6	93.4	0	+∞	Si
112	-48610	3	-122853	3.7	124.5	121.7	1837	-44183	2	-113363	3.4	93.4	0	+∞	Si
129	-20403	9	-75422	2.4	124.5	86.4	1837	-16646	2	-69297	2.2	93.4	0	+∞	Si
146	1311	1	9928	0.3	124.5	14.7	1837	1311	1	9489	0.3	93.4	0	+∞	Si
146	-4908	9	-38831	1.3	124.5	52.8	1837								Si
163	9603	2	9928	0.4	124.5	14.8	1837	9143	2	9489	0.3	93.4	0	+∞	Si
163	-187	8	-14888	0.3	124.5	5.2	1837								Si
180	7606	2	9928	0.4	124.5	14.8	1837	7395	2	9489	0.3	93.4	0	+∞	Si
180	-4194	8	-34378	0.8	124.5	11.9	1837								Si
197	-18236	9	-65670	1.5	124.5	22.8	1837	-4113	2	-46151	1.9	93.4	0	+∞	Si
206	-29180	9	-84884	1.9	124.5	29.4	1837	-13528	2	-63674	2.6	93.4	0	+∞	Si
223	-58545	9	-84884	1.9	124.5	29.4	1837	-39678	2	-63674	2.6	93.4	0	+∞	Si
235	-84884	9	-84884	1.9	124.5	29.4	1837	-63674	2	-63674	2.6	93.4	0	+∞	Si
240	-97879	9	-96173	2.2	124.5	33.4	1837	-75589	2	-74015	3	93.4	0	+∞	Si
257	-147181	9	-111898	2.5	124.5	38.8	1837	-121262	2	-88419	3.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
34	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
51	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
60	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
77	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
94	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
112	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
129	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
146	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.002	1	-0.002	1	9999	Si
163	0	-0.001	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.002	1	-0.002	1	9999	Si
180	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.002	1	-0.002	1	9999	Si
197	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	1	-0.001	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
206	0	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
223	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
235	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
240	0	0	0	0	0	0	0	0	0	0	0	1	-0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	4839	17152	23342	SLV 3	0.39	856	1.078	-344121	-2239782	-2322809	SLV 3	0.32	527	0.884	No
34	4447	17152	23342	SLV 3	0.4	901	1.101	-344121	-2239782	-2322809	SLV 3	0.32	527	0.884	No
51	3879	17152	23342	SLV 3	0.41	968	1.134	-344121	-2239782	-2322809	SLV 3	0.32	527	0.884	No
60	3594	17152	23342	SLV 3	0.42	1006	1.152	-304127	-2123972	-2322809	SLV 3	0.35	629	0.95	No
77	3026	17152	23342	SLV 3	0.43	1084	1.188	-230778	-1890483	-2322926	SLV 3	0.4	911	1.106	Si
94	2457	17152	20927	SLV 3	0.39	852	1.076	-167190	1657058	1910128	SLV 13	0.45	1260	1.264	Si
112	1888	17152	20927	SLV 3	0.4	918	1.11	-113363	1423733	1422107	SLV 13	0.39	855	1.078	Si
129	1320	17152	20927	SLV 3	0.41	987	1.143	-69297	1190583	1422107	SLV 13	0.45	1257	1.262	Si
146	751	17152	20927	SLV 3	0.43	1065	1.179	-34992	957780	1422094	SLV 13	0.54	2111	1.561	Si
163	183	17152	20927	SLV 3	0.44	1146	1.215	-10448	-725841	-970824	SLV 3	0.47	1453	1.34	Si
180	-386	-17152	-20007	SLV 13	0.41	989	1.144	4334	-496900	-970824	SLV 1	0.57	2474	1.666	Si
197	-955	-17152	-20007	SLV 13	0.4	919	1.11	-46151	-542825	-970824	SLV 13	0.57	2474	1.666	Si
206	-1239	-17152	-20007	SLV 13	0.4	886	1.094	-63674	-657989	-970824	SLV 13	0.49	1622	1.402	Si
223	-1808	-17152	-20007	SLV 13	0.39	822	1.061	-63674	-657989	-970824	SLV 13	0.49	1622	1.402	Si
235	-2200	-17152	-20007	SLV 13	0.38	780	1.038	-63674	-657989	-970824	SLV 13	0.49	1622	1.402	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	4839	6024	23342	SLD 3	0.41	974	2.861	-344121	-991139	-2322809	SLD 3	0.27	354	1.889	Si
34	4447	6024	23342	SLD 3	0.42	1031	2.929	-344121	-991139	-2322809	SLD 3	0.27	354	1.889	Si
51	3879	6024	23342	SLD 3	0.43	1118	3.028	-344121	-991139	-2322809	SLD 3	0.27	354	1.889	Si
60	3594	6024	23342	SLD 3	0.44	1161	3.075	-304127	-939889	-2322809	SLD 3	0.29	416	2.019	Si
77	3026	6024	23342	SLD 3	0.45	1251	3.17	-230778	-836561	-2322926	SLD 3	0.34	591	2.331	Si
94	2457	6024	20927	SLD 3	0.41	970	2.856	-167190	733260	1910128	SLD 13	0.38	800	2.639	Si
112	1888	6024	20927	SLD 3	0.42	1053	2.954	-113363	630003	1422107	SLD 13	0.33	556	2.274	Si
129	1320	6024	20927	SLD 3	0.44	1139	3.051	-69297	526822	1422107	SLD 13	0.38	799	2.638	Si
146	751	6024	20927	SLD 3	0.45	1229	3.147	-34992	423793	1422094	SLD 13	0.46	1317	3.238	Si
163	183	6024	20927	SLD 3	0.46	1323	3.244	-10448	-321142	-970824	SLD 3	0.4	913	2.786	Si
180	-386	-6024	-20007	SLD 13	0.44	1142	3.054	4334	-219807	-970824	SLD 1	0.58	2474	4.193	Si
197	-955	-6024	-20007	SLD 13	0.42	1054	2.955	-46151	-240190	-970824	SLD 13	0.51	1780	3.664	Si
206	-1239	-6024	-20007	SLD 13	0.42	1012	2.906	-63674	-291164	-970824	SLD 13	0.42	1012	2.906	Si
223	-1808	-6024	-20007	SLD 13	0.41	935	2.814	-63674	-291164	-970824	SLD 13	0.42	1012	2.906	Si
235	-2200	-6024	-20007	SLD 13	0.4	888	2.755	-63674	-291164	-970824	SLD 13	0.42	1012	2.906	Si

Campata 6 tra i fili 52A - 53, sezione R 45x70, asta 774

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-560963	SLU 36	-424209	-970824	0.078	Si
14	7.6	5.4	11.4	5.4						-395061	SLU 36	-375707	-970824	0.078	Si
23	7.6	5.4	11.4	5.4	-173408	SLU 1	36361	1422093	0.084	-298932	SLU 36	-298932	-970824	0.078	Si
28	7.6	5.4	11.4	5.4	-135762	SLU 1	84615	1422093	0.084	-238192	SLU 36	-298932	-970824	0.078	Si
42	7.6	5.4	11.4	5.4	-42636	SLU 2	207372	1422093	0.084	-91323	SLU 35	-298932	-970824	0.078	Si
56	7.6	5.4	11.4	5.4	75501	SLU 20	324370	1422093	0.084	20905	SLU 17	-250009	-970824	0.078	Si
63	7.6	5.4	11.4	5.4	135700	SLU 29	379248	1422093	0.084	70226	SLU 8	-174617	-970824	0.078	Si
77	7.6	5.4	11.4	5.4	258264	SLU 29	483161	1422093	0.084	155381	SLU 8	-38646	-970824	0.078	Si
91	7.6	5.4	11.4	5.4	371172	SLU 29	577552	1422093	0.084						Si
105	7.6	5.4	11.4	5.4	475706	SLU 30	662289	1422093	0.084						Si
119	7.6	5.4	11.4	5.4	570835	SLU 30	737371	1422093	0.084						Si
133	7.6	5.4	11.4	5.4	656309	SLU 30	806432	1422093	0.084						Si
147	11.39	5.4	11.4	5.4	732129	SLU 30	867759	1422094	0.084						Si
161	12.71	5.4	11.4	5.4	801519	SLU 36	911086	1422094	0.084						Si
168	13.37	5.4	11.4	5.4	833657	SLU 36	911086	1422094	0.084						Si
182	14.69	5.4	11.4	5.4	891158	SLU 36	911086	1422107	0.084						Si
188	15.21	5.4	11.4	5.4	911086	SLU 36	911086	1422107	0.084						Si
196	15.21	5.4	11.4	5.4	939626	SLU 36	935431	1422107	0.084						Si
210	15.21	5.4	11.4	5.4	979060	SLU 36	950811	1422107	0.084						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	305238	SLV 15	254184	1422093	0.084	-1058107	SLV 1	-815722	-970824	0.078	Si
14	7.6	5.4	11.4	5.4	246797	SLV 15	223588	1422093	0.084	-767718	SLV 1	-730996	-970824	0.078	Si
23	7.6	5.4	11.4	5.4	210178	SLV 13	210178	1422093	0.084	-596881	SLV 3	-596881	-970824	0.078	Si
28	7.6	5.4	11.4	5.4	186557	SLV 13	210178	1422093	0.084	-488515	SLV 3	-596881	-970824	0.078	Si
42	7.6	5.4	11.4	5.4	130313	SLV 13	389265	1422093	0.084	-226291	SLV 3	-596881	-970824	0.078	Si
56	7.6	5.4	11.4	5.4	143027	SLV 1	644227	1422093	0.084	-46010	SLV 15	-509597	-970824	0.078	Si
63	7.6	5.4	11.4	5.4	245921	SLV 1	770883	1422093	0.084	-57276	SLV 15	-375101	-970824	0.078	Si
77	7.6	5.4	11.4	5.4	497217	SLV 1	1020439	1422093	0.084	-135054	SLV 15	-339658	-970824	0.078	Si
91	7.6	5.4	11.4	5.4	751674	SLV 1	1264221	1422093	0.084	-228976	SLV 15	-449867	-970824	0.078	Si
105	7.6	5.4	11.4	5.4	1001657	SLV 1	1501865	1422093	0.084	-331409	SLV 15	-566921	-970824	0.078	No
119	7.6	5.4	11.4	5.4	1245903	SLV 1	1733217	1422093	0.084	-441089	SLV 15	-690668	-970824	0.078	No
133	7.6	5.4	11.4	5.4	1484025	SLV 1	1958202	1422093	0.084	-557629	SLV 15	-821033	-970824	0.078	No
147	11.39	5.4	11.4	5.4	1715862	SLV 1	2176779	1422094	0.084	-680869	SLV 15	-957973	-1420145	0.084	No
161	12.71	5.4	11.4	5.4	1941336	SLV 1	2350430	1422094	0.084	-810730	SLV 15	-1074665	-1576746	0.086	No
168	13.37	5.4	11.4	5.4	2051673	SLV 1	2350430	1422094	0.084	-878130	SLV 15	-1074665	-1655025	0.087	No
182	14.69	5.4	11.4	5.4	2267527	SLV 1	2350430	1422107	0.084	-1017847	SLV 15	-1074665	-1811581	0.089	No
188	15.21	5.4	11.4	5.4	2350430	SLV 1	2350430	1422107	0.084	-1074665	SLV 15	-1074665	-1873055	0.09	No
196	15.21	5.4	11.4	5.4	2476940	SLV 1	2454008	1422107	0.084	-1164108	SLV 15	-1146457	-1873055	0.09	No
210	15.21	5.4	11.4	5.4	2679899	SLV 1	2519442	1422107	0.084	-1316898	SLV 15	-1191812	-1873055	0.09	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-678077	SLD 1	-517439	-970824	0.078	Si
14	7.6	5.4	11.4	5.4						-484897	SLD 1	-461079	-970824	0.078	Si
23	7.6	5.4	11.4	5.4	-14839	SLD 13	50173	1422093	0.084	-371865	SLD 3	-371865	-970824	0.078	Si
28	7.6	5.4	11.4	5.4	-1688	SLD 13	100708	1422093	0.084	-300269	SLD 3	-371865	-970824	0.078	Si
42	7.6	5.4	11.4	5.4	30725	SLD 13	252874	1422093	0.084	-126703	SLD 3	-371865	-970824	0.078	Si
56	7.6	5.4	11.4	5.4	89817	SLD 1	412055	1422093	0.084	7199	SLD 15	-314198	-970824	0.078	Si
63	7.6	5.4	11.4	5.4	161069	SLD 1	489904	1422093	0.084	27576	SLD 15	-225347	-970824	0.078	Si
77	7.6	5.4	11.4	5.4	320791	SLD 1	641210	1422093	0.084	41372	SLD 15	-60057	-970824	0.078	Si
91	7.6	5.4	11.4	5.4	478189	SLD 1	786334	1422093	0.084						Si
105	7.6	5.4	11.4	5.4	629962	SLD 1	925118	1422093	0.084						Si
119	7.6	5.4	11.4	5.4	775568	SLD 1	1057496	1422093	0.084	29246	SLD 15	-14947	-970824	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
133	7.6	5.4	11.4	5.4	914840	SLD 1	1183435	1422093	0.084	11555	SLD 15	-46266	-970824	0.078	Si
147	11.39	5.4	11.4	5.4	1047709	SLD 1	1302919	1422094	0.084	-12717	SLD 15	-84113	-1420145	0.084	Si
161	12.71	5.4	11.4	5.4	1174142	SLD 1	1395642	1422094	0.084	-43536	SLD 15	-119877	-1576746	0.086	Si
168	13.37	5.4	11.4	5.4	1234939	SLD 1	1395642	1422094	0.084	-61395	SLD 15	-119877	-1655025	0.087	Si
182	14.69	5.4	11.4	5.4	1351684	SLD 1	1395642	1422107	0.084	-102004	SLD 15	-119877	-1811581	0.089	Si
188	15.21	5.4	11.4	5.4	1395642	SLD 1	1395642	1422107	0.084	-119877	SLD 15	-119877	-1873055	0.09	Si
196	15.21	5.4	11.4	5.4	1461959	SLD 1	1450337	1422107	0.084	-149127	SLD 15	-142787	-1873055	0.09	No
210	15.21	5.4	11.4	5.4	1565759	SLD 1	1484891	1422107	0.084	-202758	SLD 15	-157260	-1873055	0.09	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	12312	SLU 30	12312	9541	76908	0	9541	1	Si
14	0	7.6	0	11622	SLU 30	11622	9541	76908	0	9541	1	Si
23	0.207	7.6	0	11204	SLU 30	11204	9541	76908	24049	24049	1	Si
28	0.207	7.6	0	10933	SLU 30	10933	9541	76908	24049	24049	1	Si
42	0.207	7.6	0	10243	SLU 30	10243	9541	76908	24049	24049	1	Si
56	0.207	11.4	0	9592	SLU 36	9592	10922	76908	24049	24049	1	Si
63	0.207	11.4	0	9269	SLU 36	9269	10922	76908	24049	24049	1	Si
77	0.207	11.4	0	8624	SLU 36	8624	10922	76908	24049	24049	1	Si
91	0.207	11.4	0	7979	SLU 36	7979	10922	76908	24049	24049	1	Si
105	0.207	11.4	0	7333	SLU 36	7333	10922	76908	24049	24049	1	Si
119	0.207	11.4	0	6688	SLU 36	6688	10922	76908	24049	24049	1	Si
133	0.207	11.4	0	6043	SLU 36	6043	10922	76908	24049	24049	1	Si
147	0.207	11.4	0	5398	SLU 36	5398	10922	76908	24049	24049	1	Si
161	0.207	11.4	0	4752	SLU 36	4752	10922	76908	24049	24049	1	Si
168	0.207	11.4	0	4433	SLU 35	4433	10922	76908	24049	24049	1	Si
182	0.207	11.4	0	3891	SLU 35	3891	10922	76908	24049	24049	1	Si
188	0.207	11.4	0	3679	SLU 35	3679	10922	76908	24049	24049	1	Si
196	0	11.4	0	3350	SLU 35	3350	10922	76908	0	10922	1	Si
210	0	11.4	0	2808	SLU 35	2808	10922	76908	0	10922	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	21234	SLV 1	24541	9541	76908	0	9541	1	Si
0	0	11.4	0	-4202	SLV 15	-7509	-10922	-76908	0	-10922	1	Si
14	0	7.6	0	20770	SLV 1	24077	9541	76908	0	9541	1	Si
14	0	11.4	0	-4666	SLV 15	-7973	-10922	-76908	0	-10922	1	Si
23	0.207	7.6	0	20489	SLV 1	23795	9541	76908	24049	24049	1	Si
23	0.207	11.4	0	-4948	SLV 15	-8254	-10922	-76908	-24049	-24049	1	Si
28	0.207	7.6	0	20306	SLV 1	23613	9541	76908	24049	24049	1	Si
28	0.207	11.4	0	-5130	SLV 15	-8437	-10922	-76908	-24049	-24049	1	Si
42	0.207	7.6	0	19843	SLV 1	23149	9541	76908	24049	24049	1	Si
42	0.207	11.4	0	-5594	SLV 15	-8900	-10922	-76908	-24049	-24049	1	Si
56	0.207	11.4	0	19379	SLV 1	22686	10922	76908	24049	24049	1	Si
56	0.207	7.6	0	-6057	SLV 15	-9364	-9541	-76908	-24049	-24049	1	Si
63	0.207	11.4	0	19147	SLV 1	22454	10922	76908	24049	24049	1	Si
63	0.207	7.6	0	-6289	SLV 15	-9596	-9541	-76908	-24049	-24049	1	Si
77	0.207	11.4	0	18683	SLV 1	21990	10922	76908	24049	24049	1	Si
77	0.207	7.6	0	-6753	SLV 15	-10060	-9541	-76908	-24049	-24049	1	Si
91	0.207	11.4	0	18220	SLV 1	21526	10922	76908	24049	24049	1	Si
91	0.207	7.6	0	-7217	SLV 15	-10523	-9541	-76908	-24049	-24049	1	Si
105	0.207	11.4	0	17756	SLV 1	21063	10922	76908	24049	24049	1	Si
105	0.207	7.6	0	-7680	SLV 15	-10987	-9541	-76908	-24049	-24049	1	Si
119	0.207	11.4	0	17292	SLV 1	20599	10922	76908	24049	24049	1	Si
119	0.207	7.6	0	-8144	SLV 15	-11451	-9541	-76908	-24049	-24049	1	Si
133	0.207	11.4	0	16829	SLV 1	20135	10922	76908	24049	24049	1	Si
133	0.207	7.6	0	-8608	SLV 15	-11915	-9541	-76908	-24049	-24049	1	Si
147	0.207	11.4	0	16365	SLV 1	19672	10922	76908	24049	24049	1	Si
147	0.207	7.6	0	-9072	SLV 15	-12378	-9541	-76908	-24049	-24049	1	Si
161	0.207	11.4	0	15901	SLV 1	19208	10922	76908	24049	24049	1	Si
161	0.207	7.6	0	-9535	SLV 15	-12842	-9541	-76908	-24049	-24049	1	Si
168	0.207	11.4	0	15669	SLV 1	18976	10922	76908	24049	24049	1	Si
168	0.207	7.6	0	-9767	SLV 15	-13074	-9541	-76908	-24049	-24049	1	Si
182	0.207	11.4	0	15206	SLV 1	18512	10922	76908	24049	24049	1	Si
182	0.207	7.6	0	-10231	SLV 15	-13538	-9541	-76908	-24049	-24049	1	Si
188	0.207	11.4	0	15023	SLV 1	18330	10922	76908	24049	24049	1	Si
188	0.207	7.6	0	-10413	SLV 15	-13720	-9541	-76908	-24049	-24049	1	Si
196	0	11.4	0	14742	SLV 1	18049	10922	76908	0	10922	1	Si
196	0	7.6	0	-10695	SLV 15	-14001	-9541	-76908	0	-9541	1	Si
210	0	11.4	0	14278	SLV 1	17585	10922	76908	0	10922	1	Si
210	0	11.39	0	-11158	SLV 15	-14465	-10917	-76908	0	-10917	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	14144	SLD 1	14144	9541	76908	0	9541	1	Si
14	0	7.6	0	13680	SLD 1	13680	9541	76908	0	9541	1	Si
23	0.207	7.6	0	13399	SLD 1	13399	9541	76908	24049	24049	1	Si
28	0.207	7.6	0	13216	SLD 1	13216	9541	76908	24049	24049	1	Si
42	0.207	7.6	0	12753	SLD 1	12753	9541	76908	24049	24049	1	Si
56	0.207	11.4	0	12289	SLD 1	12289	10922	76908	24049	24049	1	Si
63	0.207	11.4	0	12057	SLD 1	12057	10922	76908	24049	24049	1	Si
77	0.207	11.4	0	11593	SLD 1	11593	10922	76908	24049	24049	1	Si
91	0.207	11.4	0	11130	SLD 1	11130	10922	76908	24049	24049	1	Si
91	0.207	11.4	0	-127	SLD 15	-127	-10922	-76908	-24049	-24049	1	Si
105	0.207	11.4	0	10666	SLD 1	10666	10922	76908	24049	24049	1	Si
105	0.207	11.4	0	-590	SLD 15	-590	-10922	-76908	-24049	-24049	1	Si
119	0.207	11.4	0	10202	SLD 1	10202	10922	76908	24049	24049	1	Si
119	0.207	11.4	0	-1054	SLD 15	-1054	-10922	-76908	-24049	-24049	1	Si
133	0.207	11.4	0	9738	SLD 1	9738	10922	76908	24049	24049	1	Si
133	0.207	11.4	0	-1518	SLD 15	-1518	-10922	-76908	-24049	-24049	1	Si
147	0.207	11.4	0	9275	SLD 1	9275	10922	76908	24049	24049	1	Si
147	0.207	7.6	0	-1981	SLD 15	-1981	-9541	-76908	-24049	-24049	1	Si
161	0.207	11.4	0	8811	SLD 1	8811	10922	76908	24049	24049	1	Si
161	0.207	7.6	0	-2445	SLD 15	-2445	-9541	-76908	-24049	-24049	1	Si
168	0.207	11.4	0	8579	SLD 1	8579	10922	76908	24049	24049	1	Si
168	0.207	7.6	0	-2677	SLD 15	-2677	-9541	-76908	-24049	-24049	1	Si
182	0.207	11.4	0	8115	SLD 1	8115	10922	76908	24049	24049	1	Si
182	0.207	7.6	0	-3141	SLD 15	-3141	-9541	-76908	-24049	-24049	1	Si
188	0.207	11.4	0	7933	SLD 1	7933	10922	76908	24049	24049	1	Si
188	0.207	7.6	0	-3323	SLD 15	-3323	-9541	-76908	-24049	-24049	1	Si
196	0	11.4	0	7652	SLD 1	7652	10922	76908	0	10922	1	Si
196	0	7.6	0	-3604	SLD 15	-3604	-9541	-76908	0	-9541	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
210	0	11.4	0	7188	SLD 1	7188	10922	76908	0	10922	1	Si
210	0	11.39	0	-4068	SLD 15	-4068	-10917	-76908	0	-10917	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-410510	9	-309761	7	124.5	107.4	1837	-376434	2	-280769	11.3	93.4	0	+∞	Si
14	-288275	9	-274016	6.2	124.5	95	1837	-260460	2	-246925	9.9	93.4	0	+∞	Si
23	-217434	9	-217434	4.9	124.5	75.4	1837	-193352	2	-193352	7.8	93.4	0	+∞	Si
28	-172669	9	-217434	4.9	124.5	75.4	1837	-150979	2	-193352	7.8	93.4	0	+∞	Si
42	-64338	8	-217434	4.9	124.5	75.4	1837	-48541	1	-193352	7.8	93.4	0	+∞	Si
56	53553	2	241020	8.8	124.5	358.9	1837	48508	2	228038	8.3	93.4	0	+∞	Si
63	101499	2	281652	10.2	124.5	419.4	1837	94323	2	267112	9.7	93.4	0	+∞	Si
77	192106	2	358564	13	124.5	533.9	1837	181082	2	340390	12.4	93.4	0	+∞	Si
91	275670	2	428520	15.6	124.5	638	1837	261349	2	407177	14.8	93.4	0	+∞	Si
105	353041	3	491432	17.8	124.5	731.7	1837	335124	2	467472	17	93.4	0	+∞	Si
119	423536	3	547299	19.9	124.5	814.9	1837	402407	2	521274	18.9	93.4	0	+∞	Si
133	486986	3	598545	21.7	124.5	891.2	1837	463198	2	568585	20.6	93.4	0	+∞	Si
147	543392	3	644027	22.2	124.5	956	1837	517496	2	609403	21	93.4	0	+∞	Si
161	594903	9	676211	22.9	124.5	1002.8	1837	565303	2	637883	21.6	93.4	0	+∞	Si
168	618726	9	676211	22.7	124.5	1002.4	1837	586772	2	637883	21.4	93.4	0	+∞	Si
182	661400	9	676211	22.3	124.5	1001.6	1837	624840	2	637883	21.1	93.4	0	+∞	Si
188	676211	9	676211	22.2	124.5	1001.3	1837	637883	2	637883	20.9	93.4	0	+∞	Si
196	697443	9	694311	22.8	124.5	1028.1	1837	656416	2	653775	21.5	93.4	0	+∞	Si
210	726856	9	705745	23.2	124.5	1045	1837	681500	2	663815	21.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
14	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
23	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
28	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
42	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
56	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
63	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
77	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
91	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si
105	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.01	2	9999	Si
119	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
126	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
133	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
147	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.01	2	9999	Si
161	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si
168	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
182	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
188	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
196	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	7770	16025	24049	SLV 1	0.37	739	1.015	-193352	-403530	-970824	SLV 3	0.57	2474	1.666	Si
28	7588	16025	24049	SLV 1	0.37	760	1.027	-193352	-403530	-970824	SLV 3	0.57	2474	1.666	Si
42	7125	16025	24049	SLV 1	0.38	813	1.056	-193352	-403530	-970824	SLV 3	0.57	2474	1.666	Si
56	6661	16025	24049	SLV 1	0.39	868	1.085	-159222	-350375	-970824	SLV 3	0.57	2474	1.666	Si
63	6429	16025	24049	SLV 1	0.4	897	1.099	267112	503772	1422093	SLV 1	0.57	2474	1.666	Si
77	5965	16025	24049	SLV 1	0.41	955	1.128	340390	680048	1422093	SLV 1	0.57	2379	1.64	Si
91	5502	16025	24049	SLV 1	0.42	1020	1.159	407177	857044	1422093	SLV 1	0.43	1084	1.188	Si
105	5038	16025	24049	SLV 1	0.43	1089	1.19	467472	1034393	1422093	SLV 1	0.34	586	0.923	No
119	4574	16025	24049	SLV 1	0.44	1161	1.222	521274	1211943	1422093	SLV 1	0.27	358	0.754	No
133	4110	16025	24049	SLV 1	0.45	1235	1.253	568585	1389617	1422093	SLV 1	0.23	236	0.636	No
147	3647	16025	24049	SLV 1	0.46	1313	1.285	609403	1567376	1422094	SLV 1	0.2	165	0.549	No
161	3183	16025	24049	SLV 1	0.47	1393	1.317	637883	1712547	1422094	SLV 1	0.17	127	0.493	No
168	2951	16025	24049	SLV 1	0.47	1435	1.333	637883	1712547	1422094	SLV 1	0.17	127	0.493	No
182	2487	16025	24049	SLV 1	0.48	1520	1.365	637883	1712547	1422107	SLV 1	0.17	127	0.493	No
188	2305	16025	24049	SLV 1	0.49	1555	1.378	637883	1712547	1422107	SLV 1	0.17	127	0.493	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	7770	5628	24049	SLD 1	0.39	841	2.694	-193352	-178513	-970824	SLD 3	0.57	2474	4.193	Si
28	7588	5628	24049	SLD 1	0.39	865	2.725	-193352	-178513	-970824	SLD 3	0.57	2474	4.193	Si
42	7125	5628	24049	SLD 1	0.4	925	2.801	-193352	-178513	-970824	SLD 3	0.57	2474	4.193	Si
56	6661	5628	24049	SLD 1	0.41	989	2.879	-159222	-154976	-970824	SLD 3	0.6	2474	4.193	Si
63	6429	5628	24049	SLD 1	0.42	1026	2.923	267112	222792	1422093	SLD 1	0.6	2474	4.193	Si
77	5965	5628	24049	SLD 1	0.43	1101	3.009	340390	300820	1422093	SLD 1	0.48	1484	3.4	Si
91	5502	5628	24049	SLD 1	0.44	1177	3.092	407177	379157	1422093	SLD 1	0.36	697	2.494	Si
105	5038	5628	24049	SLD 1	0.45	1257	3.177	467472	457646	1422093	SLD 1	0.28	390	1.966	Si
119	4574	5628	24049	SLD 1	0.46	1340	3.261	521274	536221	1422093	SLD 1	0.23	243	1.619	Si
133	4110	5628	24049	SLD 1	0.47	1426	3.345	568585	614851	1422093	SLD 1	0.19	162	1.371	Si
147	3647	5628	24049	SLD 1	0.48	1516	3.43	609403	693516	1422094	SLD 1	0.16	114	1.187	Si
161	3183	5628	24049	SLD 1	0.49	1610	3.516	637883	757760	1422094	SLD 1	0.15	88	1.068	Si
168	2951	5628	24049	SLD 1	0.5	1659	3.559	637883	757760	1422094	SLD 1	0.15	88	1.068	Si
182	2487	5628	24049	SLD 1	0.51	1757	3.644	637883	757760	1422107	SLD 1	0.15	88	1.068	Si
188	2305	5628	24049	SLD 1	0.51	1798	3.679	637883	757760	1422107	SLD 1	0.15	88	1.068	Si

Campata 7 tra i fili 53 - 54, sezione R 45x70, asta 775

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	716320	SLU 36	716320	1422107	0.084						Si
20	15.21	5.4	11.4	5.4	742290	SLU 36	742183	1422107	0.084						Si
23	15.21	5.4	11.4	5.4	744108	SLU 36	755591	1422107	0.084						Si
40	13.52	5.4	11.4	5.4	754578	SLU 36	755591	1422094	0.084						Si
60	11.62	5.4	11.4	5.4	753184	SLU 36	755591	1422094	0.084						Si
71	10.67	5.4	11.4	5.4	747356	SLU 36	755591	1422094	0.084						Si
91	7.6	5.4	11.4	5.4	725438	SLU 36	752502	1422093	0.084						Si
111	7.6	5.4	11.4	5.4	691146	SLU 30	736624	1422093	0.084						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
131	7.6	5.4	11.4	5.4	645205	SLU 30	707064	1422093	0.084						Si
151	7.6	5.4	11.4	5.4	584751	SLU 30	667089	1422093	0.084						Si
171	7.6	5.4	15.72	5.4	509785	SLU 30	613042	1935062	0.093						Si
192	15.55	5.4	18.44	5.4	420306	SLU 30	544483	2256046	0.093						Si
212	19.35	5.4	19.01	5.4	316315	SLU 30	461411	2322840	0.092						Si
222	21.26	5.4	19.01	5.4	258878	SLU 30	414434	2322689	0.091						Si
242	22.81	5.4	19.01	5.4	133753	SLU 29	309594	2322640	0.091	85135	SLU 8	-78846	-2772814	0.097	Si
262	22.81	5.4	19.01	5.4	8812	SLU 19	190368	2322640	0.091	-16978	SLU 18	-108714	-2772814	0.097	Si
275	22.81	5.4	19.01	5.4	-53410	SLU 1	107348	2322640	0.091	-108714	SLU 36	-108714	-2772814	0.097	Si
282	22.81	5.4	19.01	5.4						-165195	SLU 36	-157174	-2772814	0.097	Si
302	22.81	5.4	19.01	5.4						-331214	SLU 30	-213556	-2772814	0.097	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	1855742	SLV 13	1726626	1422107	0.084	-891741	SLV 3	-732513	-1873055	0.09	No
20	15.21	5.4	11.4	5.4	1619503	SLV 13	1617925	1422107	0.084	-610649	SLV 3	-609184	-1873055	0.09	No
23	15.21	5.4	11.4	5.4	1591317	SLV 13	1591317	1422107	0.084	-578994	SLV 3	-578994	-1873055	0.09	No
40	13.52	5.4	11.4	5.4	1373453	SLV 13	1591317	1422094	0.084	-339577	SLV 3	-578994	-1673665	0.087	No
60	11.62	5.4	11.4	5.4	1179691	SLV 9	1483159	1422094	0.084	-140623	SLV 7	-458142	-1448109	0.084	No
71	10.67	5.4	11.4	5.4	1096001	SLV 9	1358629	1422094	0.084	-61774	SLV 7	-324160	-1335298	0.082	Si
91	7.6	5.4	11.4	5.4	922296	SLV 9	1169897	1422093	0.084	87378	SLV 7	-131396	-970824	0.078	Si
111	7.6	5.4	11.4	5.4	820468	SLV 5	999774	1422093	0.084	144823	SLV 11	-87707	-970824	0.078	Si
131	7.6	5.4	11.4	5.4	881494	SLV 1	1114194	1422093	0.084	19585	SLV 15	-340828	-970824	0.078	Si
151	7.6	5.4	11.4	5.4	1043790	SLV 1	1280194	1422093	0.084	-226754	SLV 15	-619455	-970824	0.078	Si
171	7.6	5.4	15.72	5.4	1205957	SLV 1	1470138	1935062	0.093	-492794	SLV 15	-941857	-971294	0.079	Si
192	15.55	5.4	18.44	5.4	1388161	SLV 3	1650974	2256046	0.093	-798700	SLV 13	-1274980	-1913721	0.088	Si
212	19.35	5.4	19.01	5.4	1572245	SLV 3	1822957	2322840	0.092	-1126316	SLV 13	-1619079	-2364035	0.093	Si
222	21.26	5.4	19.01	5.4	1661409	SLV 3	1905383	2322689	0.091	-1294683	SLV 13	-1795000	-2589152	0.095	Si
242	22.81	5.4	19.01	5.4	1832850	SLV 3	2062955	2322640	0.091	-1639402	SLV 13	-2154434	-2772814	0.097	Si
262	22.81	5.4	19.01	5.4	1994717	SLV 3	2092407	2322640	0.091	-1994376	SLV 13	-2225768	-2772814	0.097	Si
275	22.81	5.4	19.01	5.4	2092407	SLV 3	2092407	2322640	0.091	-2225768	SLV 13	-2225768	-2772814	0.097	Si
282	22.81	5.4	19.01	5.4	2146829	SLV 3	2140012	2322640	0.091	-2359425	SLV 13	-2341333	-2772814	0.097	Si
302	22.81	5.4	19.01	5.4	2289125	SLV 3	2195398	2322640	0.091	-2734464	SLV 13	-2475788	-2772814	0.097	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	1089909	SLD 13	1041166	1422107	0.084	-125908	SLD 3	-47054	-1873055	0.09	Si
20	15.21	5.4	11.4	5.4	997872	SLD 13	997143	1422107	0.084						Si
23	15.21	5.4	11.4	5.4	986366	SLD 13	986366	1422107	0.084						Si
40	13.52	5.4	11.4	5.4	895967	SLD 13	986366	1422094	0.084						Si
60	11.62	5.4	11.4	5.4	811672	SLD 9	942044	1422094	0.084						Si
71	10.67	5.4	11.4	5.4	773289	SLD 9	889573	1422094	0.084						Si
91	7.6	5.4	11.4	5.4	689575	SLD 9	807181	1422093	0.084						Si
111	7.6	5.4	11.4	5.4	632137	SLD 5	727493	1422093	0.084						Si
131	7.6	5.4	11.4	5.4	641230	SLD 1	708604	1422093	0.084						Si
151	7.6	5.4	11.4	5.4	689622	SLD 1	750666	1422093	0.084	127414	SLD 15	-89927	-970824	0.078	Si
171	7.6	5.4	15.72	5.4	732429	SLD 1	797797	1935062	0.093	-19265	SLD 15	-269515	-971294	0.079	Si
192	15.55	5.4	18.44	5.4	778574	SLD 3	835370	2256046	0.093	-189113	SLD 13	-459375	-1913721	0.088	Si
212	19.35	5.4	19.01	5.4	820025	SLD 3	863498	2322840	0.092	-374096	SLD 13	-659620	-2364035	0.093	Si
222	21.26	5.4	19.01	5.4	837404	SLD 3	873911	2322689	0.091	-470678	SLD 13	-763529	-2589152	0.095	Si
242	22.81	5.4	19.01	5.4	864969	SLD 3	887371	2322640	0.091	-671520	SLD 13	-978850	-2772814	0.097	Si
262	22.81	5.4	19.01	5.4	882770	SLD 3	888729	2322640	0.091	-882428	SLD 13	-1022091	-2772814	0.097	Si
275	22.81	5.4	19.01	5.4	888729	SLD 3	888729	2322640	0.091	-1022091	SLD 13	-1022091	-2772814	0.097	Si
282	22.81	5.4	19.01	5.4	890726	SLD 3	890726	2322640	0.091	-1103322	SLD 13	-1092173	-2772814	0.097	Si
302	22.81	5.4	19.01	5.4	888818	SLD 3	888818	2322640	0.091	-1334157	SLD 13	-1173711	-2772814	0.097	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	2094	SLU 29	2094	10922	76908	0	10922	1	Si
20	0	11.4	0	1377	SLU 29	1377	10922	76908	0	10922	1	Si
23	0.158	11.4	0	1294	SLU 29	1294	10922	76908	18340	18340	1	Si
40	0.158	11.4	0	670	SLU 20	670	10922	76908	18340	18340	1	Si
40	0.158	11.4	0	-58	SLU 17	-58	-10922	-76908	-18340	-18340	1	Si
60	0.158	11.4	0	36	SLU 2	36	10922	76908	18340	18340	1	Si
60	0.158	11.4	0	-566	SLU 35	-566	-10922	-76908	-18340	-18340	1	Si
71	0.158	11.4	0	-857	SLU 35	-857	-10922	-76908	-18340	-18340	1	Si
91	0.158	11.4	0	-1440	SLU 35	-1440	-10922	-76908	-18340	-18340	1	Si
111	0.179	11.4	0	-2105	SLU 36	-2105	-10922	-76908	-20748	-20748	1	Si
131	0.179	11.4	0	-2783	SLU 36	-2783	-10922	-76908	-20748	-20748	1	Si
151	0.179	11.4	0	-3461	SLU 36	-3461	-10922	-76908	-20748	-20748	1	Si
171	0.179	11.4	0	-4140	SLU 36	-4140	-10922	-76908	-20748	-20748	1	Si
192	0.179	11.4	0	-4818	SLU 36	-4818	-10922	-76908	-20748	-20748	1	Si
212	0.187	11.4	0	-5516	SLU 30	-5516	-10922	-76908	-21675	-21675	1	Si
222	0.187	11.4	0	-5876	SLU 30	-5876	-10922	-76908	-21675	-21675	1	Si
242	0.187	17.08	0	-6596	SLU 30	-6596	-12497	-76908	-21675	-21675	1	Si
262	0.187	17.45	0	-7315	SLU 30	-7315	-12586	-76908	-21675	-21675	1	Si
275	0.187	19.35	0	-7773	SLU 30	-7773	-13028	-76908	-21675	-21675	1	Si
282	0	21.26	0	-8035	SLU 30	-8035	-13441	-76908	0	-13441	1	Si
302	0	22.81	0	-8728	SLU 30	-8728	-13761	-76908	0	-13761	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.62	0	14193	SLV 3	17531	10991	76908	0	10991	1	Si
0	0	11.4	0	-11480	SLV 13	-14818	-10922	-76908	0	-10922	1	Si
20	0	7.6	0	13703	SLV 3	17041	9541	76908	0	9541	1	Si
20	0	11.4	0	-11971	SLV 13	-15308	-10922	-76908	0	-10922	1	Si
23	0.158	7.6	0	13646	SLV 3	16984	9541	76908	18340	18340	1	Si
23	0.158	11.4	0	-12027	SLV 13	-15365	-10922	-76908	-18340	-18340	1	Si
40	0.158	7.6	0	13211	SLV 3	16549	9541	76908	18340	18340	1	Si
40	0.158	11.4	0	-12462	SLV 13	-15800	-10922	-76908	-18340	-18340	1	Si
60	0.158	7.6	0	12720	SLV 3	16057	9541	76908	18340	18340	1	Si
60	0.158	11.4	0	-12954	SLV 13	-16291	-10922	-76908	-18340	-18340	1	Si
71	0.158	11.4	0	12474	SLV 3	15811	10922	76908	18340	18340	1	Si
71	0.158	11.4	0	-13200	SLV 13	-16537	-10922	-76908	-18340	-18340	1	Si
91	0.158	11.4	0	11982	SLV 3	15320	10922	76908	18340	18340	1	Si
91	0.158	11.4	0	-13691	SLV 13	-17029	-10922	-76908	-18340	-18340	1	Si
111	0.179	11.4	0	11491	SLV 3	14828	10922	76908	20748	20748	1	Si
111	0.179	11.4	0	-14183	SLV 13	-17521	-10922	-76908	-20748	-20748	1	Si
131	0.179	11.4	0	10999	SLV 3	14336	10922	76908	20748	20748	1	Si
131	0.179	11.4	0	-14675	SLV 13	-18012	-10922	-76908	-20748	-20748	1	Si
151	0.179	11.4	0	10507	SLV 3	13845	10922	76908	20748	20748	1	Si
151	0.179	7.6	0	-15166	SLV 13	-18504	-9541	-76908	-20748	-20748	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
171	0.179	11.4	0	10016	SLV 3	13353	10922	76908	20748	20748	1	Si
171	0.179	7.6	0	-15658	SLV 13	-18996	-9541	-76908	-20748	-20748	1	Si
192	0.179	11.4	0	9524	SLV 3	12862	10922	76908	20748	20748	1	Si
192	0.179	7.6	0	-16150	SLV 13	-19487	-9541	-76908	-20748	-20748	1	Si
212	0.187	11.4	0	9032	SLV 3	12370	10922	76908	21675	21675	1	Si
212	0.187	7.6	0	-16641	SLV 13	-19979	-9541	-76908	-21675	-21675	1	Si
222	0.187	11.4	0	8786	SLV 3	12124	10922	76908	21675	21675	1	Si
222	0.187	7.6	0	-16887	SLV 13	-20225	-9541	-76908	-21675	-21675	1	Si
242	0.187	17.08	0	8295	SLV 3	11632	12497	76908	21675	21675	1	Si
242	0.187	13.65	0	-17379	SLV 13	-20716	-11597	-76908	-21675	-21675	1	Si
262	0.187	19.01	0	7803	SLV 3	11141	12949	76908	21675	21675	1	Si
262	0.187	17.45	0	-17870	SLV 13	-21208	-12586	-76908	-21675	-21675	1	Si
275	0.187	19.01	0	7490	SLV 3	10828	12949	76908	21675	21675	1	Si
275	0.187	19.35	0	-18183	SLV 13	-21521	-13028	-76908	-21675	-21675	1	Si
282	0	19.01	0	7312	SLV 3	10649	12949	76908	0	12949	1	Si
282	0	21.26	0	-18362	SLV 13	-21700	-13441	-76908	0	-13441	1	Si
302	0	19.01	0	6837	SLV 3	10175	12949	76908	0	12949	1	Si
302	0	22.81	0	-18836	SLV 13	-22174	-13761	-76908	0	-13761	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.62	0	7037	SLD 3	7037	10991	76908	0	10991	1	Si
0	0	11.4	0	-4324	SLD 13	-4324	-10922	-76908	0	-10922	1	Si
20	0	11.4	0	6547	SLD 3	6547	10922	76908	0	10922	1	Si
20	0	11.4	0	-4814	SLD 13	-4814	-10922	-76908	0	-10922	1	Si
23	0.158	11.4	0	6490	SLD 3	6490	10922	76908	18340	18340	1	Si
23	0.158	11.4	0	-4871	SLD 13	-4871	-10922	-76908	-18340	-18340	1	Si
40	0.158	11.4	0	6055	SLD 3	6055	10922	76908	18340	18340	1	Si
40	0.158	11.4	0	-5306	SLD 13	-5306	-10922	-76908	-18340	-18340	1	Si
60	0.158	11.4	0	5563	SLD 3	5563	10922	76908	18340	18340	1	Si
60	0.158	11.4	0	-5798	SLD 13	-5798	-10922	-76908	-18340	-18340	1	Si
71	0.158	11.4	0	5318	SLD 3	5318	10922	76908	18340	18340	1	Si
71	0.158	11.4	0	-6043	SLD 13	-6043	-10922	-76908	-18340	-18340	1	Si
91	0.158	11.4	0	4826	SLD 3	4826	10922	76908	18340	18340	1	Si
91	0.158	11.4	0	-6535	SLD 13	-6535	-10922	-76908	-18340	-18340	1	Si
111	0.179	11.4	0	4334	SLD 3	4334	10922	76908	20748	20748	1	Si
111	0.179	11.4	0	-7027	SLD 13	-7027	-10922	-76908	-20748	-20748	1	Si
131	0.179	11.4	0	3843	SLD 3	3843	10922	76908	20748	20748	1	Si
131	0.179	11.4	0	-7518	SLD 13	-7518	-10922	-76908	-20748	-20748	1	Si
151	0.179	11.4	0	3351	SLD 3	3351	10922	76908	20748	20748	1	Si
151	0.179	11.4	0	-8010	SLD 13	-8010	-10922	-76908	-20748	-20748	1	Si
171	0.179	11.4	0	2859	SLD 3	2859	10922	76908	20748	20748	1	Si
171	0.179	7.6	0	-8502	SLD 13	-8502	-9541	-76908	-20748	-20748	1	Si
192	0.179	11.4	0	2368	SLD 3	2368	10922	76908	20748	20748	1	Si
192	0.179	7.6	0	-8993	SLD 13	-8993	-9541	-76908	-20748	-20748	1	Si
212	0.187	11.4	0	1876	SLD 3	1876	10922	76908	21675	21675	1	Si
212	0.187	7.6	0	-9485	SLD 13	-9485	-9541	-76908	-21675	-21675	1	Si
222	0.187	11.4	0	1630	SLD 3	1630	10922	76908	21675	21675	1	Si
222	0.187	7.6	0	-9731	SLD 13	-9731	-9541	-76908	-21675	-21675	1	Si
242	0.187	17.08	0	1138	SLD 3	1138	12497	76908	21675	21675	1	Si
242	0.187	13.65	0	-10222	SLD 13	-10222	-11597	-76908	-21675	-21675	1	Si
262	0.187	19.01	0	647	SLD 3	647	12949	76908	21675	21675	1	Si
262	0.187	17.45	0	-10714	SLD 13	-10714	-12586	-76908	-21675	-21675	1	Si
275	0.187	19.01	0	334	SLD 3	334	12949	76908	21675	21675	1	Si
275	0.187	19.35	0	-11027	SLD 13	-11027	-13028	-76908	-21675	-21675	1	Si
282	0	19.01	0	155	SLD 3	155	12949	76908	0	12949	1	Si
282	0	21.26	0	-11206	SLD 13	-11206	-13441	-76908	0	-13441	1	Si
302	0	22.81	0	-11680	SLD 13	-11680	-13761	-76908	0	-13761	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	527751	9	527751	17.3	124.5	781.5	1837	482001	2	482001	15.8	93.4	0	+∞	Si
20	547195	9	547117	18	124.5	810.2	1837	504427	2	504371	16.6	93.4	0	+∞	Si
23	548568	9	557425	18.3	124.5	825.4	1837	506161	2	519482	17.1	93.4	0	+∞	Si
40	556540	9	557425	18.7	124.5	826.2	1837	516938	2	519534	17.4	93.4	0	+∞	Si
60	555785	9	557425	19.2	124.5	827.3	1837	519534	2	519534	17.9	93.4	0	+∞	Si
71	551621	9	557425	19.4	124.5	827.8	1837	517114	2	519534	18.1	93.4	0	+∞	Si
91	535717	9	555298	20.2	124.5	826.8	1837	504837	2	519251	18.9	93.4	0	+∞	Si
111	510587	3	543853	19.7	124.5	809.7	1837	482646	2	511351	18.6	93.4	0	+∞	Si
131	476712	3	522309	19	124.5	777.7	1837	450539	2	493537	17.9	93.4	0	+∞	Si
151	432185	3	492843	17.9	124.5	733.8	1837	408518	2	465808	16.9	93.4	0	+∞	Si
171	377005	3	453019	14.7	124.5	495.3	1837	356582	2	428164	13.9	93.4	0	+∞	Si
192	311172	3	402542	11.2	124.5	374.5	1837	294731	2	380605	10.5	93.4	0	+∞	Si
212	234687	3	341412	9	124.5	307.5	1837	222964	2	323131	8.5	93.4	0	+∞	Si
222	192450	3	306853	7.9	124.5	275.9	1837	183363	2	290676	7.5	93.4	0	+∞	Si
242	100408	2	229744	5.8	124.5	206.4	1837	96724	2	218330	5.5	93.4	0	+∞	Si
262	3339	1	142067	3.6	124.5	127.6	1837	3339	1	136069	3.4	93.4	0	+∞	Si
262	-7225	9	-77483	1.9	124.5	58.6	1837								Si
275	-77483	9	-77483	1.9	124.5	58.6	1837	-66681	2	-66681	1.7	93.4	0	+∞	Si
282	-119073	9	-113166	2.8	124.5	85.5	1837	-106298	2	-100661	2.5	93.4	0	+∞	Si
302	-241309	3	-154682	3.8	124.5	116.9	1837	-222669	2	-140195	3.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
23	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.008	2	9999	Si
40	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
60	0.009	0.008	0.008	0.007	0.009	0.008	0.007	0.007	0.009	0.008	0.019	2	0.017	2	9999	Si
71	0.01	0.009	0.009	0.008	0.01	0.009	0.008	0.008	0.01	0.009	0.021	2	0.019	2	9999	Si
91	0.012	0.01	0.01	0.009	0.011	0.01	0.009	0.009	0.011	0.01	0.024	2	0.022	2	9999	Si
111	0.012	0.011	0.011	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.025	2	0.023	2	9999	Si
131	0.013	0.011	0.011	0.01	0.012	0.011	0.01	0.01	0.012	0.011	0.026	2	0.024	2	9999	Si
151	0.012	0.011	0.011	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.025	2	0.023	2	9999	Si
171	0.012	0.01	0.01	0.009	0.011	0.01	0.009	0.009	0.011	0.01	0.023	2	0.022	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
192	0.011	0.009	0.009	0.008	0.01	0.009	0.008	0.008	0.01	0.009	0.021	2	0.019	2	9999	Si
212	0.009	0.008	0.007	0.007	0.009	0.008	0.007	0.007	0.008	0.008	0.018	2	0.016	2	9999	Si
222	0.008	0.007	0.007	0.006	0.008	0.007	0.006	0.006	0.008	0.007	0.016	2	0.015	2	9999	Si
242	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.012	2	0.011	2	9999	Si
262	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
275	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.005	2	9999	Si
282	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	809	16174	18340	SLV 3	0.39	866	1.084	506161	1085155	1422107	SLV 13	0.31	473	0.846	No
40	375	16174	18340	SLV 3	0.4	919	1.11	506161	1085155	1422094	SLV 13	0.31	472	0.845	No
60	-117	-16174	-18340	SLV 13	0.41	952	1.126	512509	970650	1422094	SLV 13	0.34	608	0.937	No
71	-363	-16174	-18340	SLV 13	0.4	921	1.111	517235	841395	1422094	SLV 13	0.39	850	1.075	Si
91	-855	-16174	-18340	SLV 13	0.39	860	1.081	519251	650646	1422093	SLV 9	0.5	1651	1.412	Si
111	-1346	-16174	-20748	SLV 13	0.43	1121	1.205	511351	488423	1422093	SLV 9	0.57	2474	1.666	Si
131	-1838	-16174	-20748	SLV 13	0.42	1048	1.172	386683	727511	1422093	SLV 1	0.51	1766	1.451	Si
151	-2330	-16174	-20748	SLV 13	0.41	977	1.139	330370	949825	1422093	SLV 3	0.42	1001	1.15	Si
171	-2821	-16174	-20748	SLV 13	0.4	914	1.108	264141	-1205998	-971294	SLV 13	0.37	754	1.024	Si
192	-3313	-16174	-20748	SLV 13	0.39	854	1.077	187997	1462977	2256046	SLV 3	0.51	1735	1.441	Si
212	-3804	-16174	-21675	SLV 13	0.4	907	1.104	101939	1721018	2322840	SLV 3	0.46	1360	1.304	Si
222	-4050	-16174	-21675	SLV 13	0.4	877	1.089	55191	1850192	2322689	SLV 3	0.44	1187	1.233	Si
242	-4542	-16174	-21675	SLV 13	0.38	819	1.059	-45740	2108694	2322640	SLV 3	0.41	944	1.123	Si
262	-5034	-16174	-21675	SLV 13	0.37	762	1.028	-66681	2159087	2322640	SLV 3	0.4	911	1.106	Si
275	-5346	-16174	-21675	SLV 13	0.37	728	1.009	-66681	2159087	2322640	SLV 3	0.4	911	1.106	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	809	5680	18340	SLD 3	0.41	987	2.877	506161	480205	1422107	SLD 13	0.26	322	1.817	Si
40	375	5680	18340	SLD 3	0.42	1054	2.955	506161	480205	1422094	SLD 13	0.26	322	1.817	Si
60	-117	-5680	-18340	SLD 13	0.43	1096	3.003	512509	429535	1422094	SLD 13	0.29	404	1.995	Si
71	-363	-5680	-18340	SLD 13	0.42	1057	2.959	517235	372338	1422094	SLD 13	0.33	551	2.265	Si
91	-855	-5680	-18340	SLD 13	0.41	980	2.868	519251	287930	1422093	SLD 9	0.42	1030	2.927	Si
111	-1346	-5680	-20748	SLD 13	0.46	1294	3.215	511351	216142	1422093	SLD 9	0.56	2267	4.045	Si
131	-1838	-5680	-20748	SLD 13	0.45	1210	3.127	386683	321920	1422093	SLD 1	0.43	1104	3.012	Si
151	-2330	-5680	-20748	SLD 13	0.43	1128	3.039	330370	420297	1422093	SLD 3	0.35	648	2.421	Si
171	-2821	-5680	-20748	SLD 13	0.42	1049	2.949	264141	-533656	-971294	SLD 13	0.31	492	2.162	Si
192	-3313	-5680	-20748	SLD 13	0.41	973	2.86	187997	647373	2256046	SLD 3	0.43	1083	2.988	Si
212	-3804	-5680	-21675	SLD 13	0.42	1039	2.938	101939	761559	2322840	SLD 3	0.39	858	2.716	Si
222	-4050	-5680	-21675	SLD 13	0.42	1001	2.893	55191	818720	2322689	SLD 3	0.37	756	2.579	Si
242	-4542	-5680	-21675	SLD 13	0.4	932	2.81	-45740	933111	2322640	SLD 3	0.34	613	2.366	Si
262	-5034	-5680	-21675	SLD 13	0.39	868	2.729	-66681	955410	2322640	SLD 3	0.34	591	2.331	Si
275	-5346	-5680	-21675	SLD 13	0.39	828	2.677	-66681	955410	2322640	SLD 3	0.34	591	2.331	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 54A-57

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 54A - 55, sezione R 45x70, asta 794

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-2629485	SLU 30	-2336267	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-2051433	SLU 30	-2051433	-3671293	0.114	Si
65	30.41	5.4	15.21	5.4						-1014312	SLU 30	-1704508	-3671293	0.114	Si
131	24.29	5.4	15.21	5.4	346572	SLU 29	866832	1872377	0.087	207013	SLU 8	-230719	-2948234	0.103	Si
196	11.4	5.4	15.21	5.4	1452403	SLU 29	1859365	1873055	0.09						Si
229	11.4	5.4	15.21	5.4	1909811	SLU 29	2260124	1873055	0.09						No
294	11.4	5.4	22.81	5.4	2633614	SLU 29	2870628	2773209	0.105						No
359	11.4	5.4	22.81	5.4	3102731	SLU 29	3226447	2773209	0.105						No
425	11.4	5.4	22.81	5.4	3317163	SLU 29	3327581	2773209	0.105						No
490	11.4	5.4	22.81	5.4	3276910	SLU 29	3323141	2773209	0.105						No
555	11.4	5.4	22.81	5.4	2981971	SLU 29	3141501	2773209	0.105						No
621	11.4	5.4	22.57	5.4	2432346	SLU 29	2705175	2744945	0.105						Si
686	11.4	5.4	15.21	5.4	1630487	SLU 29	2014573	1873055	0.09						No
751	11.4	5.4	15.21	5.4	578389	SLU 29	1074745	1873055	0.09	268777	SLU 8	-60161	-1422107	0.084	Si
784	16.56	5.4	15.21	5.4	-15434	SLU 11	509839	1872678	0.088	-108348	SLU 26	-653480	-2033022	0.09	Si
850	19.01	5.4	15.21	5.4						-1477965	SLU 30	-2200930	-2323187	0.094	Si
915	24.35	5.4	15.21	5.4						-3166802	SLU 30	-4003064	-2955828	0.103	No
958	30.41	5.4	15.21	5.4						-4419215	SLU 30	-4419215	-3671293	0.114	No
980	30.41	5.4	15.21	5.4						-5110323	SLU 30	-4760634	-3671293	0.114	No

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4	308381	SLV 15	308381	1872209	0.086	-3799473	SLV 1	-3559232	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4	604875	SLV 15	963310	1872209	0.086	-3324544	SLV 1	-3324544	-3671293	0.114	Si
65	30.41	5.4	15.21	5.4	1126896	SLV 15	1434172	1872209	0.086	-2462749	SLV 1	-3038440	-3671293	0.114	Si
131	24.29	5.4	15.21	5.4	1775036	SLV 15	2006529	1872377	0.087	-1296509	SLV 1	-1796356	-2948234	0.103	No
196	11.4	5.4	15.21	5.4	2252831	SLV 13	2408562	1873055	0.09	-300785	SLV 3	-717769	-1422107	0.084	No
229	11.4	5.4	15.21	5.4	2427866	SLV 13	2545731	1873055	0.09	133117	SLV 3	-252931	-1422107	0.084	No
294	11.4	5.4	22.81	5.4	2650276	SLV 13	2692470	2773209	0.105						Si
359	11.4	5.4	22.81	5.4	2702668	SLV 13	2702668	2773209	0.105						Si
425	11.4	5.4	22.81	5.4	2585751	SLV 13	2656508	2773209	0.105						Si
490	11.4	5.4	22.81	5.4	2304923	SLV 13	2447062	2773209	0.105						Si
555	11.4	5.4	22.81	5.4	2146186	SLV 1	2160392	2773209	0.105						Si
621	11.4	5.4	22.57	5.4	2027177	SLV 1	2097935	2744945	0.105						Si
686	11.4	5.4	15.21	5.4	1744465	SLV 1	1888284	1873055	0.09	397512	SLV 15	-12834	-1422107	0.084	No
751	11.4	5.4	15.21	5.4	1295678	SLV 1	1514204	1873055	0.09	-567685	SLV 15	-1054092	-1422107	0.084	Si
784	16.56	5.4	15.21	5.4	1007564	SLV 1	1263902	1872678	0.088	-1114386	SLV 15	-1638767	-2033022	0.09	Si
850	19.01	5.4	15.21	5.4	303713	SLV 1	635756	1872544	0.088	-2335811	SLV 15	-2936090	-2323187	0.094	No
882	19.01	5.4	15.21	5.4	-112059	SLV 1	257858	1872544	0.088	-3010500	SLV 15	-3648713	-2323187	0.094	No
915	24.35	5.4	15.21	5.4						-3727826	SLV 15	-4403968	-2955828	0.103	No
958	30.41	5.4	15.21	5.4						-4737681	SLV 15	-4737681	-3671293	0.114	No
980	30.41	5.4	15.21	5.4						-5290363	SLV 15	-5011292	-3671293	0.114	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-2654466	SLD 1	-2439077	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-2229272	SLD 1	-2229272	-3671293	0.114	Si
65	30.41	5.4	15.21	5.4	126329	SLD 15	497850	1872209	0.086	-1462182	SLD 1	-1973621	-3671293	0.114	Si
131	24.29	5.4	15.21	5.4	918878	SLD 15	1214596	1872377	0.087	-440351	SLD 1	-875961	-2948234	0.103	Si
196	11.4	5.4	15.21	5.4	1541033	SLD 13	1760959	1873055	0.09						Si
229	11.4	5.4	15.21	5.4	1788221	SLD 13	1970257	1873055	0.09						No
294	11.4	5.4	22.81	5.4	2154844	SLD 13	2261126	2773209	0.105						Si
359	11.4	5.4	22.81	5.4	2351215	SLD 13	2381835	2773209	0.105						Si
425	11.4	5.4	22.81	5.4	2377641	SLD 13	2384750	2773209	0.105						Si
490	11.4	5.4	22.81	5.4	2236439	SLD 13	2317459	2773209	0.105						Si
555	11.4	5.4	22.81	5.4	2054424	SLD 1	2120817	2773209	0.105						Si
621	11.4	5.4	22.57	5.4	1794984	SLD 1	1928861	2744945	0.105						Si
686	11.4	5.4	15.21	5.4	1369014	SLD 1	1576684	1873055	0.09						Si
751	11.4	5.4	15.21	5.4	776294	SLD 1	1058891	1873055	0.09	-48301	SLD 15	-470583	-1422107	0.084	Si
784	16.56	5.4	15.21	5.4	416106	SLD 1	736569	1872678	0.088	-522928	SLD 15	-983147	-2033022	0.09	Si
850	19.01	5.4	15.21	5.4						-1600093	SLD 15	-2136163	-2323187	0.094	Si
882	19.01	5.4	15.21	5.4						-2202615	SLD 15	-2776605	-2323187	0.094	No
915	24.35	5.4	15.21	5.4						-2847757	SLD 15	-3459665	-2955828	0.103	No
958	30.41	5.4	15.21	5.4						-3762933	SLD 15	-3762933	-3671293	0.114	No
980	30.41	5.4	15.21	5.4						-4265892	SLD 15	-4011661	-3671293	0.114	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	26650	SLU 29	26650	15146	76908	0	15146	1	Si
23	0.23	30.41	0	25319	SLU 29	25319	15146	76908	26676	26676	1	Si
65	0.23	24.29	0	22769	SLU 29	22769	14052	76908	26676	26676	1	Si
131	0.23	15.21	0	18871	SLU 29	18871	12021	76908	26711	26711	1	Si
196	0.23	15.21	0	14974	SLU 29	14974	12021	76908	26711	26711	1	Si
229	0.23	15.21	0	13025	SLU 29	13025	12021	76908	26711	26711	1	Si
294	0.23	15.21	0	9128	SLU 29	9128	12021	76908	26711	26711	1	Si
359	0.23	22.81	0	5230	SLU 29	5230	13761	76908	26711	26711	1	Si
425	0.23	22.81	0	1333	SLU 29	1333	13761	76908	26711	26711	1	Si
490	0.23	22.81	0	-2565	SLU 30	-2565	-13761	-76908	-26711	-26711	1	Si
555	0.23	22.57	0	-6463	SLU 30	-6463	-13712	-76908	-26711	-26711	1	Si
621	0.23	15.21	0	-10360	SLU 30	-10360	-12021	-76908	-26711	-26711	1	Si
686	0.23	15.21	0	-14154	SLU 30	-14154	-12021	-76908	-26711	-26711	1	Si
751	0.23	15.21	0	-18049	SLU 30	-18049	-12021	-76908	-26711	-26711	1	Si
784	0.23	11.4	0	-19998	SLU 30	-19998	-10922	-76908	-26711	-26711	1	Si
850	0.23	16.56	0	-23895	SLU 30	-23895	-12367	-76908	-26711	-26711	1	Si
915	0.273	19.01	0	-27793	SLU 30	-27793	-12949	-76908	-31678	-31678	1	Si
958	0.273	19.01	0	-30348	SLU 30	-30348	-12949	-76908	-31678	-31678	1	Si
980	0	24.35	0	-31690	SLU 30	-31690	-14064	-76908	0	-14064	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	21752	SLV 1	22783	15146	76908	0	15146	1	Si
23	0.23	30.41	0	20861	SLV 1	21893	15146	76908	26676	26676	1	Si
65	0.23	24.29	0	19154	SLV 1	20186	14052	76908	26676	26676	1	Si
131	0.23	11.4	0	16546	SLV 1	17578	10922	76908	26711	26711	1	Si
196	0.23	11.4	0	13938	SLV 1	14970	10922	76908	26711	26711	1	Si
229	0.23	15.21	0	12634	SLV 1	13666	12021	76908	26711	26711	1	Si
294	0.23	15.21	0	10026	SLV 1	11058	12021	76908	26711	26711	1	Si
359	0.23	22.81	0	7418	SLV 1	8450	13761	76908	26711	26711	1	Si
359	0.23	22.81	0	-517	SLV 15	-1549	-13761	-76908	-26711	-26711	1	Si
425	0.23	22.81	0	4810	SLV 1	5841	13761	76908	26711	26711	1	Si
425	0.23	22.81	0	-3125	SLV 15	-4157	-13761	-76908	-26711	-26711	1	Si
490	0.23	22.81	0	2202	SLV 1	3233	13761	76908	26711	26711	1	Si
490	0.23	22.81	0	-5733	SLV 15	-6765	-13761	-76908	-26711	-26711	1	Si
555	0.23	22.57	0	-406	SLV 1	625	13712	76908	26711	26711	1	Si
555	0.23	22.57	0	-8342	SLV 15	-9373	-13712	-76908	-26711	-26711	1	Si
621	0.23	15.21	0	-10950	SLV 15	-11981	-12021	-76908	-26711	-26711	1	Si
686	0.23	15.21	0	-13484	SLV 15	-14516	-12021	-76908	-26711	-26711	1	Si
751	0.23	11.4	0	-16091	SLV 15	-17122	-10922	-76908	-26711	-26711	1	Si
784	0.23	11.4	0	-17395	SLV 15	-18426	-10922	-76908	-26711	-26711	1	Si
850	0.23	16.56	0	-20003	SLV 15	-21034	-12367	-76908	-26711	-26711	1	Si
915	0.273	19.01	0	-22611	SLV 15	-23642	-12949	-76908	-31678	-31678	1	Si
958	0.273	19.01	0	-24321	SLV 15	-25353	-12949	-76908	-31678	-31678	1	Si
980	0	24.35	0	-25219	SLV 15	-26251	-14064	-76908	0	-14064	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	19540	SLD 1	19540	15146	76908	0	15146	1	Si
23	0.23	30.41	0	18649	SLD 1	18649	15146	76908	26676	26676	1	Si
65	0.23	24.29	0	16943	SLD 1	16943	14052	76908	26676	26676	1	Si
131	0.23	11.4	0	14334	SLD 1	14334	10922	76908	26711	26711	1	Si
196	0.23	15.21	0	11726	SLD 1	11726	12021	76908	26711	26711	1	Si
229	0.23	15.21	0	10422	SLD 1	10422	12021	76908	26711	26711	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
294	0.23	15.21	0	7814	SLD 1	7814	12021	76908	26711	26711	1	Si
359	0.23	22.81	0	5206	SLD 1	5206	13761	76908	26711	26711	1	Si
425	0.23	22.81	0	2598	SLD 1	2598	13761	76908	26711	26711	1	Si
425	0.23	22.81	0	-914	SLD 15	-914	-13761	-76908	-26711	-26711	1	Si
490	0.23	22.81	0	-3522	SLD 15	-3522	-13761	-76908	-26711	-26711	1	Si
555	0.23	22.57	0	-6130	SLD 15	-6130	-13712	-76908	-26711	-26711	1	Si
621	0.23	15.21	0	-8738	SLD 15	-8738	-12021	-76908	-26711	-26711	1	Si
686	0.23	15.21	0	-11272	SLD 15	-11272	-12021	-76908	-26711	-26711	1	Si
751	0.23	11.4	0	-13879	SLD 15	-13879	-10922	-76908	-26711	-26711	1	Si
784	0.23	11.4	0	-15183	SLD 15	-15183	-10922	-76908	-26711	-26711	1	Si
850	0.23	16.56	0	-17791	SLD 15	-17791	-12367	-76908	-26711	-26711	1	Si
915	0.273	19.01	0	-20399	SLD 15	-20399	-12949	-76908	-31678	-31678	1	Si
958	0.273	19.01	0	-22109	SLD 15	-22109	-12949	-76908	-31678	-31678	1	Si
980	0	24.35	0	-23007	SLD 15	-23007	-14064	-76908	0	-14064	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1909326	3	-1695999	40.5	124.5	977.7	1837	-1745546	2	-1549886	37	93.4	0	+∞	Si
23	-1488777	3	-1488777	35.5	124.5	858.2	1837	-1359835	2	-1359835	32.4	93.4	0	+∞	Si
65	-734291	3	-1236384	29.5	124.5	712.7	1837	-667927	2	-1128358	26.9	93.4	0	+∞	Si
131	255520	2	633848	16.9	124.5	706.3	1837	239264	2	585970	15.7	93.4	0	+∞	Si
196	1059598	2	1355410	42.2	124.5	1524.2	1837	976023	2	1246912	38.8	93.4	0	+∞	Si
229	1392079	2	1646634	51.3	124.5	1851.7	1837	1280491	2	1513472	47.1	93.4	0	+∞	Si
294	1917926	2	2089965	57	124.5	1593.3	1837	1761605	2	1918768	52.3	93.4	0	+∞	Si
359	2258284	2	2347809	64	124.5	1789.8	1837	2072288	2	2153634	58.7	93.4	0	+∞	Si
425	2413156	2	2420164	66	124.5	1845	1837	2212540	2	2218070	60.5	93.4	0	+∞	Si
490	2382539	2	2416788	65.9	124.5	1842.4	1837	2182362	2	2214741	60.4	93.4	0	+∞	Si
555	2166435	2	2283199	62.3	124.5	1740.6	1837	1981753	2	2089949	57	93.4	0	+∞	Si
621	1764843	2	1964122	53.7	124.5	1512.5	1837	1610713	2	1794727	49.1	93.4	0	+∞	Si
686	1179591	2	1459859	45.5	124.5	1641.6	1837	1070988	2	1329356	41.4	93.4	0	+∞	Si
751	412166	2	774188	24.1	124.5	870.6	1837	363996	2	697460	21.7	93.4	0	+∞	Si
784	-74958	8	-486080	14	124.5	501.8	1837	-71873	1	-462692	13.3	93.4	0	+∞	Si
850	-1087208	3	-1614268	44.5	124.5	1459.1	1837	-1016049	2	-1501147	41.4	93.4	0	+∞	Si
915	-2318368	3	-2927943	74.6	124.5	2086.6	1837	-2149118	2	-2710033	69.1	93.4	0	+∞	Si
958	-3231275	3	-3231275	77.1	124.5	1862.7	1837	-2989131	2	-2989131	71.3	93.4	0	+∞	Si
980	-3735016	3	-3480134	83	124.5	2006.1	1837	-3452617	2	-3218107	76.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.031	0.025	0.049	0.031	0.029	0.025	0.044	0.031	0.028	0.025	0.086	2	0.072	2	9999	Si
65	0.094	0.074	0.148	0.094	0.088	0.074	0.131	0.094	0.086	0.074	0.26	2	0.216	2	3764	Si
131	0.196	0.155	0.304	0.194	0.183	0.155	0.27	0.194	0.179	0.155	0.536	2	0.444	2	1829	Si
196	0.294	0.232	0.458	0.292	0.276	0.233	0.406	0.292	0.27	0.233	0.806	2	0.667	2	1216	Si
229	0.34	0.268	0.53	0.338	0.318	0.268	0.47	0.338	0.311	0.268	0.932	2	0.771	2	1051	Si
294	0.417	0.329	0.66	0.42	0.391	0.329	0.585	0.421	0.382	0.329	1.149	2	0.95	2	853	Si
359	0.472	0.372	0.755	0.48	0.442	0.372	0.67	0.482	0.432	0.372	1.305	2	1.079	2	751	Si
425	0.501	0.394	0.806	0.512	0.469	0.394	0.715	0.514	0.458	0.394	1.386	2	1.146	2	707	Si
457	0.505	0.396	0.813	0.516	0.472	0.397	0.72	0.517	0.462	0.397	1.397	2	1.154	2	702	Si
490	0.502	0.394	0.807	0.511	0.469	0.394	0.715	0.513	0.459	0.394	1.387	2	1.145	2	707	Si
555	0.475	0.372	0.758	0.478	0.444	0.373	0.67	0.479	0.434	0.373	1.309	2	1.079	2	749	Si
621	0.423	0.33	0.667	0.419	0.395	0.331	0.589	0.42	0.386	0.331	1.16	2	0.954	2	845	Si
686	0.35	0.273	0.547	0.342	0.327	0.273	0.482	0.343	0.32	0.273	0.955	2	0.784	2	1026	Si
751	0.264	0.205	0.411	0.255	0.247	0.205	0.362	0.256	0.241	0.205	0.718	2	0.588	2	1365	Si
784	0.219	0.169	0.341	0.211	0.204	0.169	0.3	0.212	0.199	0.169	0.595	2	0.486	2	1646	Si
850	0.129	0.098	0.203	0.123	0.12	0.099	0.178	0.123	0.117	0.099	0.353	2	0.286	2	2775	Si
915	0.051	0.038	0.079	0.046	0.047	0.039	0.069	0.046	0.046	0.039	0.141	2	0.112	2	6963	Si
958	0.015	0.011	0.02	0.011	0.014	0.011	0.017	0.011	0.013	0.011	0.038	2	0.03	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	16893	4999	26676	SLV 1	0.57	2474	1.666	-1359835	-1964710	-3671293	SLV 1	0.43	1065	1.179	Si
65	15187	4999	26676	SLV 1	0.57	2474	1.666	-245403	1679576	1872209	SLV 15	0.45	1279	1.271	Si
131	12579	4999	26711	SLV 1	0.57	2474	1.666	585970	1420559	1872377	SLV 15	0.33	560	0.906	No
196	9971	4999	26711	SLV 1	0.57	2474	1.666	1246912	1161650	1873055	SLV 13	0.2	179	0.568	No
229	8666	4999	26711	SLV 1	0.57	2474	1.666	1513472	1032259	1873055	SLV 13	0.13	74	0.395	No
294	6058	4999	26711	SLV 1	0.57	2474	1.666	1918768	773701	2773209	SLV 13	0.4	906	1.104	Si
359	3450	4999	26711	SLV 1	0.57	2474	1.666	2072288	630380	2773209	SLV 13	0.4	922	1.112	Si
425	842	4999	26711	SLV 1	0.57	2474	1.666	2169102	487406	2773209	SLV 13	0.45	1223	1.248	Si
490	-1766	-4999	-26711	SLV 15	0.57	2474	1.666	2214741	232320	2773209	SLV 13	0.57	2474	1.666	Si
555	-4374	-4999	-26711	SLV 15	0.57	2474	1.666	1835648	275413	2773209	SLV 1	0.57	2474	1.666	Si
621	-6982	-4999	-26711	SLV 15	0.57	2474	1.666	1388882	530583	2744945	SLV 1	0.57	2474	1.666	Si
686	-9517	-4999	-26711	SLV 15	0.57	2474	1.666	1329356	558928	1873055	SLV 1	0.35	665	0.972	No
751	-12123	-4999	-26711	SLV 15	0.57	2474	1.666	-7376	-1046715	-1422107	SLV 15	0.48	1539	1.372	Si
784	-13427	-4999	-26711	SLV 15	0.57	2474	1.666	-462692	-1176075	-2033022	SLV 15	0.48	1489	1.353	Si
850	-16035	-4999	-26711	SLV 15	0.57	2474	1.666	-1501147	-1434943	-2323187	SLV 15	0.21	203	0.598	No
915	-18643	-4999	-31678	SLV 15	0.57	2474	1.666	-2710033	-1693935	-2955828	SLV 15	0.05	13	0.194	No
958	-20353	-4999	-31678	SLV 15	0.57	2474	1.666	-2989131	-1748550	-3671293	SLV 15	0.15	92	0.432	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	16893	1756	26676	SLD 1	0.6	2474	4.193	-1359835	-869437	-3671293	SLD 1	0.36	685	2.477	Si
65	15187	1756	26676	SLD 1	0.6	2474	4.193	-245403	743253	1872209	SLD 15	0.38	811	2.654	Si
131	12579	1756	26711	SLD 1	0.6	2474	4.193	585970	628627	1872377	SLD 15	0.28	375	1.935	Si
196	9971	1756	26711	SLD 1	0.6	2474	4.193	1246912	514047	1873055	SLD 13	0.17	123	1.225	Si
229	8666	1756	26711	SLD 1	0.6	2474	4.193	1513472	456785	1873055	SLD 13	0.11	52	0.861	No
294	6058	1756	26711	SLD 1	0.6	2474	4.193	1918768	342357	2773209	SLD 13	0.34	587	2.325	Si
359	3450	1756	26711	SLD 1	0.6	2474	4.193	1953033	329750	2773209	SLD 13	0.34	583	2.318	Si
425	842	1756	26711	SLD 1	0.6	2474	4.193	2169102	215647	2773209	SLD 13	0.38	778	2.609	Si
490	-1766	-1756	-26711	SLD 15	0.6	2474	4.193	2214741	102718	2773209	SLD 13	0.6	2474	4.193	Si
555	-4374	-1756	-26711	SLD 15	0.6	2474	4.193	1835648	121826	2773209	SLD 1	0.6	2474	4.193	Si
621	-6982	-1756	-26711	SLD 15	0.6	2474	4.193	1388882	234782	2744945	SLD 1	0.6	2474	4.193	Si
686	-9517	-1756	-26711	SLD 15	0.6	2474	4.193	1329356	247328	1873055	SLD 1	0.3	438	2.062	Si
751	-12123	-1756	-26711	SLD 15	0.6	2474	4.193	-7376	-463207	-1422107	SLD 15	0.41	960	2.844	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
784	-13427	-1756	-26711	SLD 15	0.6	2474	4.193	-462692	-520455	-2033022	SLD 15	0.41	933	2.811	Si
850	-16035	-1756	-26711	SLD 15	0.6	2474	4.193	-1501147	-635017	-2323187	SLD 15	0.18	139	1.288	Si
915	-18643	-1756	-31678	SLD 15	0.6	2474	4.193	-2710033	-749632	-2955828	SLD 15	0.04	8	0.399	No
958	-20353	-1756	-31678	SLD 15	0.6	2474	4.193	-2989131	-773802	-3671293	SLD 15	0.12	65	0.943	No

Campata 2 tra i fili 55 - 56, sezione R 45x70, asta 795

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-3534528	SLU 30	-3356788	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-3194090	SLU 30	-3194090	-3671293	0.114	Si
45	27.18	5.4	13.71	5.4						-2879365	SLU 30	-3194090	-3289993	0.11	Si
68	23.98	5.4	9.19	5.4						-2597747	SLU 30	-2965414	-2910957	0.113	No
79	19.01	5.4	11.4	5.4						-2468429	SLU 30	-2816447	-2323557	0.097	No
102	19.01	5.4	11.4	5.4						-2232776	SLU 30	-2541494	-2323557	0.097	No
125	19.01	5.4	11.4	5.4						-2027765	SLU 30	-2297184	-2323557	0.097	Si
147	19.01	5.4	11.4	5.4						-1853397	SLU 30	-2083517	-2323557	0.097	Si
170	19.01	5.4	11.4	5.4						-1709672	SLU 30	-1900492	-2323557	0.097	Si
193	19.01	5.4	11.4	5.4						-1597457	SLU 29	-1748110	-2323557	0.097	Si
215	19.01	5.4	11.4	5.4						-1516193	SLU 29	-1626907	-2323557	0.097	Si
238	19.01	5.4	11.4	5.4						-1465572	SLU 29	-1536986	-2323557	0.097	Si
261	19.01	5.4	11.4	5.4						-1445594	SLU 29	-1477709	-2323557	0.097	Si
272	22.32	5.4	11.4	5.4						-1447096	SLU 29	-1486915	-2715544	0.104	Si
295	24.46	5.4	11.4	5.4						-1473081	SLU 29	-1530295	-2968018	0.109	Si
317	26.61	5.4	11.4	5.4						-1530295	SLU 29	-1530295	-3221991	0.114	Si
340	26.61	5.4	11.4	5.4						-1616981	SLU 29	-1566117	-3221991	0.114	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-4750975	SLV 3	-4473262	-3671293	0.114	No
23	30.41	5.4	15.21	5.4						-4205429	SLV 3	-4205429	-3671293	0.114	No
45	27.18	5.4	13.71	5.4						-3672451	SLV 3	-4205429	-3289993	0.11	No
68	23.98	5.4	9.19	5.4						-3164094	SLV 3	-3820432	-2910957	0.113	No
79	19.01	5.4	11.4	5.4						-2917675	SLV 3	-3560761	-2323557	0.097	No
102	19.01	5.4	11.4	5.4						-2440467	SLV 3	-3056902	-2323557	0.097	No
125	19.01	5.4	11.4	5.4						-1984529	SLV 3	-2573799	-2323557	0.097	No
147	19.01	5.4	11.4	5.4						-1552249	SLV 3	-2111796	-2323557	0.097	Si
170	19.01	5.4	11.4	5.4						-1238072	SLV 15	-1672467	-2323557	0.097	Si
193	19.01	5.4	11.4	5.4						-1411372	SLV 15	-1722304	-2323557	0.097	Si
215	19.01	5.4	11.4	5.4	-350272	SLV 3	98596	1422107	0.084	-1649557	SLV 13	-1991434	-2323557	0.097	Si
238	19.01	5.4	11.4	5.4	2938	SLV 3	426524	1422107	0.084	-1912569	SLV 13	-2281760	-2323557	0.097	Si
261	19.01	5.4	11.4	5.4	336545	SLV 3	734225	1422107	0.084	-2196988	SLV 13	-2592869	-2323557	0.097	No
272	22.32	5.4	11.4	5.4	495800	SLV 3	880443	1422107	0.084	-2347028	SLV 13	-2756171	-2715544	0.104	No
295	24.46	5.4	11.4	5.4	799082	SLV 3	1083947	1422107	0.084	-2662638	SLV 13	-3001461	-2968018	0.109	No
317	26.61	5.4	11.4	5.4	1083947	SLV 3	1083947	1422107	0.084	-3001461	SLV 13	-3001461	-3221991	0.114	Si
340	26.61	5.4	11.4	5.4	1344444	SLV 3	1219324	1422107	0.084	-3355690	SLV 13	-3173639	-3221991	0.114	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-3468863	SLD 3	-3276772	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-3094664	SLD 3	-3094664	-3671293	0.114	Si
45	27.18	5.4	13.71	5.4						-2735533	SLD 3	-3094664	-3289993	0.11	Si
68	23.98	5.4	9.19	5.4						-2399691	SLD 3	-2834764	-2910957	0.113	Si
79	19.01	5.4	11.4	5.4						-2239490	SLD 3	-2661369	-2323557	0.097	No
102	19.01	5.4	11.4	5.4						-1934579	SLD 3	-2330004	-2323557	0.097	No
125	19.01	5.4	11.4	5.4						-1650511	SLD 3	-2019255	-2323557	0.097	Si
147	19.01	5.4	11.4	5.4						-1388340	SLD 3	-1729273	-2323557	0.097	Si
170	19.01	5.4	11.4	5.4						-1189849	SLD 15	-1460755	-2323557	0.097	Si
193	19.01	5.4	11.4	5.4						-1218568	SLD 15	-1311690	-2323557	0.097	Si
215	19.01	5.4	11.4	5.4						-1287406	SLD 13	-1408879	-2323557	0.097	Si
238	19.01	5.4	11.4	5.4						-1378658	SLD 13	-1526879	-2323557	0.097	Si
261	19.01	5.4	11.4	5.4						-1490815	SLD 13	-1665507	-2323557	0.097	Si
272	22.32	5.4	11.4	5.4						-1554645	SLD 13	-1742536	-2715544	0.104	Si
295	24.46	5.4	11.4	5.4						-1697752	SLD 13	-1862734	-2968018	0.109	Si
317	26.61	5.4	11.4	5.4						-1862734	SLD 13	-1862734	-3221991	0.114	Si
340	26.61	5.4	11.4	5.4	34373	SLD 3	5128	1422107	0.084	-2045620	SLD 13	-1949186	-3221991	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	23.98	0	15804	SLU 30	15804	13992	76908	0	13992	1	Si
11	0	19.01	0	15128	SLU 30	15128	12949	76908	0	12949	1	Si
23	0.244	19.01	0	14462	SLU 30	14462	12949	76908	28344	28344	1	Si
45	0.244	19.01	0	13100	SLU 30	13100	12949	76908	28344	28344	1	Si
68	0.244	19.01	0	11748	SLU 30	11748	12949	76908	28344	28344	1	Si
79	0.244	19.01	0	11072	SLU 30	11072	12949	76908	28344	28344	1	Si
102	0.221	19.01	0	9721	SLU 30	9721	12949	76908	25601	25601	1	Si
125	0.221	19.01	0	8384	SLU 36	8384	12949	76908	25601	25601	1	Si
147	0.221	19.01	0	7122	SLU 36	7122	12949	76908	25601	25601	1	Si
170	0.221	19.01	0	5860	SLU 36	5860	12949	76908	25601	25601	1	Si
193	0.221	19.01	0	4758	SLU 35	4758	12949	76908	25601	25601	1	Si
215	0.221	19.01	0	3747	SLU 26	3747	12949	76908	25601	25601	1	Si
238	0.221	19.01	0	2807	SLU 26	2807	12949	76908	25601	25601	1	Si
261	0.172	19.01	0	1867	SLU 26	1867	12949	76908	20007	20007	1	Si
261	0.172	19.01	0	-233	SLU 11	-233	-12949	-76908	-20007	-20007	1	Si
272	0.172	19.01	0	1397	SLU 26	1397	12949	76908	20007	20007	1	Si
272	0.172	19.01	0	-815	SLU 11	-815	-12949	-76908	-20007	-20007	1	Si
295	0.172	19.01	0	456	SLU 26	456	12949	76908	20007	20007	1	Si
295	0.172	19.01	0	-1980	SLU 11	-1980	-12949	-76908	-20007	-20007	1	Si
317	0.172	19.01	0	-3184	SLU 29	-3184	-12949	-76908	-20007	-20007	1	Si
340	0	22.32	0	-4526	SLU 29	-4526	-13662	-76908	0	-13662	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	23.98	0	24705	SLV 3	28259	13992	76908	0	13992	1	Si
0	0	23.98	0	-2633	SLV 13	-6187	-13992	-76908	0	-13992	1	Si
11	0	19.01	0	24253	SLV 3	27807	12949	76908	0	12949	1	Si
11	0	19.01	0	-3085	SLV 13	-6639	-12949	-76908	0	-12949	1	Si
23	0.244	19.01	0	23807	SLV 3	27361	12949	76908	28344	28344	1	Si
23	0.244	19.01	0	-3531	SLV 13	-7085	-12949	-76908	-28344	-28344	1	Si
45	0.244	19.01	0	22896	SLV 3	26450	12949	76908	28344	28344	1	Si
45	0.244	19.01	0	-4442	SLV 13	-7996	-12949	-76908	-28344	-28344	1	Si
68	0.244	19.01	0	21991	SLV 3	25545	12949	76908	28344	28344	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
68	0.244	19.01	0	-5347	SLV 13	-8901	-12949	-76908	-28344	-28344	1	Si
79	0.244	19.01	0	21539	SLV 3	25093	12949	76908	28344	28344	1	Si
79	0.244	19.01	0	-5799	SLV 13	-9353	-12949	-76908	-28344	-28344	1	Si
102	0.221	19.01	0	20634	SLV 3	24188	12949	76908	25601	25601	1	Si
102	0.221	19.01	0	-6704	SLV 13	-10258	-12949	-76908	-25601	-25601	1	Si
125	0.221	19.01	0	19730	SLV 3	23284	12949	76908	25601	25601	1	Si
125	0.221	19.01	0	-7608	SLV 13	-11162	-12949	-76908	-25601	-25601	1	Si
147	0.221	19.01	0	18825	SLV 3	22379	12949	76908	25601	25601	1	Si
147	0.221	19.01	0	-8513	SLV 13	-12067	-12949	-76908	-25601	-25601	1	Si
170	0.221	19.01	0	17920	SLV 3	21474	12949	76908	25601	25601	1	Si
170	0.221	19.01	0	-9418	SLV 13	-12972	-12949	-76908	-25601	-25601	1	Si
193	0.221	19.01	0	17016	SLV 3	20570	12949	76908	25601	25601	1	Si
193	0.221	19.01	0	-10322	SLV 13	-13876	-12949	-76908	-25601	-25601	1	Si
215	0.221	19.01	0	16111	SLV 3	19665	12949	76908	25601	25601	1	Si
215	0.221	19.01	0	-11227	SLV 13	-14781	-12949	-76908	-25601	-25601	1	Si
238	0.221	11.4	0	15206	SLV 3	18760	10922	76908	25601	25601	1	Si
238	0.221	19.01	0	-12132	SLV 13	-15686	-12949	-76908	-25601	-25601	1	Si
261	0.172	11.4	0	14302	SLV 3	17856	10922	76908	20007	20007	1	Si
261	0.172	19.01	0	-13036	SLV 13	-16590	-12949	-76908	-20007	-20007	1	Si
272	0.172	11.4	0	13849	SLV 3	17403	10922	76908	20007	20007	1	Si
272	0.172	19.01	0	-13489	SLV 13	-17043	-12949	-76908	-20007	-20007	1	Si
295	0.172	11.4	0	12945	SLV 3	16499	10922	76908	20007	20007	1	Si
295	0.172	19.01	0	-14393	SLV 13	-17947	-12949	-76908	-20007	-20007	1	Si
317	0.172	11.4	0	12034	SLV 3	15587	10922	76908	20007	20007	1	Si
317	0.172	19.01	0	-15305	SLV 13	-18859	-12949	-76908	-20007	-20007	1	Si
340	0	11.4	0	11136	SLV 3	14689	10922	76908	0	10922	1	Si
340	0	22.32	0	-16203	SLV 13	-19757	-13662	-76908	0	-13662	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	23.98	0	17085	SLD 3	17085	13992	76908	0	13992	1	Si
11	0	19.01	0	16633	SLD 3	16633	12949	76908	0	12949	1	Si
23	0.244	19.01	0	16187	SLD 3	16187	12949	76908	28344	28344	1	Si
45	0.244	19.01	0	15276	SLD 3	15276	12949	76908	28344	28344	1	Si
68	0.244	19.01	0	14371	SLD 3	14371	12949	76908	28344	28344	1	Si
79	0.244	19.01	0	13919	SLD 3	13919	12949	76908	28344	28344	1	Si
102	0.221	19.01	0	13014	SLD 3	13014	12949	76908	25601	25601	1	Si
125	0.221	19.01	0	12110	SLD 3	12110	12949	76908	25601	25601	1	Si
147	0.221	19.01	0	11205	SLD 3	11205	12949	76908	25601	25601	1	Si
147	0.221	19.01	0	-893	SLD 13	-893	-12949	-76908	-25601	-25601	1	Si
170	0.221	19.01	0	10300	SLD 3	10300	12949	76908	25601	25601	1	Si
170	0.221	19.01	0	-1798	SLD 13	-1798	-12949	-76908	-25601	-25601	1	Si
193	0.221	19.01	0	9396	SLD 3	9396	12949	76908	25601	25601	1	Si
193	0.221	19.01	0	-2702	SLD 13	-2702	-12949	-76908	-25601	-25601	1	Si
215	0.221	19.01	0	8491	SLD 3	8491	12949	76908	25601	25601	1	Si
215	0.221	19.01	0	-3607	SLD 13	-3607	-12949	-76908	-25601	-25601	1	Si
238	0.221	19.01	0	7586	SLD 3	7586	12949	76908	25601	25601	1	Si
238	0.221	19.01	0	-4512	SLD 13	-4512	-12949	-76908	-25601	-25601	1	Si
261	0.172	19.01	0	6682	SLD 3	6682	12949	76908	20007	20007	1	Si
261	0.172	19.01	0	-5416	SLD 13	-5416	-12949	-76908	-20007	-20007	1	Si
272	0.172	19.01	0	6229	SLD 3	6229	12949	76908	20007	20007	1	Si
272	0.172	19.01	0	-5869	SLD 13	-5869	-12949	-76908	-20007	-20007	1	Si
295	0.172	19.01	0	5325	SLD 3	5325	12949	76908	20007	20007	1	Si
295	0.172	19.01	0	-6773	SLD 13	-6773	-12949	-76908	-20007	-20007	1	Si
317	0.172	19.01	0	4414	SLD 3	4414	12949	76908	20007	20007	1	Si
317	0.172	19.01	0	-7685	SLD 13	-7685	-12949	-76908	-20007	-20007	1	Si
340	0	11.4	0	3516	SLD 3	3516	10922	76908	0	10922	1	Si
340	0	22.32	0	-8583	SLD 13	-8583	-13662	-76908	0	-13662	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-2607730	3	-2476267	59.1	124.5	1427.5	1837	-2451076	2	-2326955	55.5	93.4	0	+∞	Si
23	-2355758	3	-2355758	56.2	124.5	1358	1837	-2212900	2	-2212900	52.8	93.4	0	+∞	Si
45	-2122453	3	-2355758	59.1	124.5	1514.4	1837	-1991777	2	-2212900	55.6	93.4	0	+∞	Si
68	-1913291	3	-2186270	60.4	124.5	1594.1	1837	-1792886	2	-2052308	56.7	93.4	0	+∞	Si
79	-1817078	3	-2075747	60	124.5	1883.9	1837	-1701130	2	-1947403	56.3	93.4	0	+∞	Si
102	-1641391	3	-1871438	54.1	124.5	1698.5	1837	-1532997	2	-1752972	50.7	93.4	0	+∞	Si
125	-1488022	3	-1689447	48.8	124.5	1533.3	1837	-1385369	2	-1579046	45.6	93.4	0	+∞	Si
147	-1356969	3	-1529772	44.2	124.5	1388.4	1837	-1258247	2	-1425626	41.2	93.4	0	+∞	Si
170	-1248233	3	-1392415	40.3	124.5	1263.7	1837	-1151631	2	-1292711	37.4	93.4	0	+∞	Si
193	-1162394	2	-1277375	36.9	124.5	1159.3	1837	-1065520	2	-1180302	34.1	93.4	0	+∞	Si
215	-1099076	2	-1185009	34.3	124.5	1075.5	1837	-999915	2	-1088398	31.5	93.4	0	+∞	Si
238	-1058076	2	-1115387	32.2	124.5	1012.3	1837	-954815	2	-1017000	29.4	93.4	0	+∞	Si
261	-1039393	2	-1068082	30.9	124.5	969.4	1837	-930221	2	-966108	27.9	93.4	0	+∞	Si
272	-1038420	2	-1062121	29.2	124.5	826.6	1837	-925614	2	-948351	26	93.4	0	+∞	Si
295	-1053213	2	-1090719	29.1	124.5	777.9	1837	-931778	2	-958757	25.6	93.4	0	+∞	Si
317	-1090719	2	-1090719	28.4	124.5	717.8	1837	-958757	2	-958757	24.9	93.4	0	+∞	Si
340	-1149750	2	-1114757	29	124.5	733.7	1837	-1005623	2	-977157	25.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.013	-0.015	-0.015	-0.021	-0.013	-0.014	-0.015	-0.019	-0.013	-0.014	-0.035	1	-0.041	1	9828	Si
45	-0.023	-0.028	-0.027	-0.038	-0.023	-0.026	-0.027	-0.034	-0.023	-0.026	-0.062	1	-0.074	1	5442	Si
68	-0.03	-0.037	-0.035	-0.05	-0.03	-0.035	-0.035	-0.045	-0.03	-0.034	-0.083	1	-0.1	1	4078	Si
79	-0.033	-0.041	-0.038	-0.054	-0.033	-0.038	-0.038	-0.049	-0.033	-0.038	-0.091	1	-0.11	1	3722	Si
102	-0.038	-0.046	-0.042	-0.06	-0.038	-0.044	-0.042	-0.054	-0.038	-0.043	-0.102	1	-0.124	1	3321	Si
125	-0.04	-0.05	-0.044	-0.063	-0.04	-0.047	-0.044	-0.057	-0.04	-0.046	-0.108	1	-0.131	1	3160	Si
147	-0.041	-0.051	-0.044	-0.063	-0.041	-0.048	-0.044	-0.057	-0.041	-0.047	-0.108	1	-0.132	1	3153	Si
170	-0.041	-0.051	-0.043	-0.061	-0.041	-0.048	-0.043	-0.055	-0.041	-0.047	-0.105	1	-0.129	1	3253	Si
193	-0.039	-0.049	-0.04	-0.057	-0.039	-0.046	-0.04	-0.051	-0.039	-0.045	-0.098	1	-0.121	1	3458	Si
215	-0.036	-0.045	-0.037	-0.052	-0.036	-0.042	-0.037	-0.047	-0.036	-0.041	-0.089	1	-0.11	1	3801	Si
238	-0.031	-0.04	-0.032	-0.045	-0.032	-0.037	-0.032	-0.041	-0.032	-0.037	-0.078	1	-0.096	1	4352	Si
261	-0.026	-0.033	-0.027	-0.037	-0.026	-0.031	-0.027	-0.034	-0.026	-0.031	-0.064	1	-0.079	1	5272	Si
272	-0.023	-0.03	-0.023	-0.033	-0.023	-0.028	-0.023	-0.03	-0.023	-0.027	-0.057	1	-0.07	1	5982	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
295	-0.016	-0.021	-0.017	-0.023	-0.016	-0.02	-0.017	-0.021	-0.016	-0.019	-0.04	1	-0.049	1	8509	Si
317	-0.009	-0.011	-0.009	-0.012	-0.009	-0.01	-0.009	-0.011	-0.009	-0.01	-0.021	1	-0.026	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	10138	17223	28344	SLV 3	0.38	814	1.056	-2212900	-1992529	-3671293	SLV 3	0.27	346	0.744	No
45	9227	17223	28344	SLV 3	0.4	918	1.11	-2212900	-1992529	-3289993	SLV 3	0.2	180	0.569	No
68	8322	17223	28344	SLV 3	0.42	1032	1.164	-2052308	-1768124	-2910957	SLV 3	0.18	144	0.519	No
79	7870	17223	28344	SLV 3	0.43	1095	1.193	-1947403	-1613358	-2323557	SLV 3	0.09	34	0.287	No
102	6965	17223	25601	SLV 3	0.39	862	1.082	-1752972	-1303930	-2323557	SLV 3	0.17	116	0.475	No
125	6061	17223	25601	SLV 3	0.41	968	1.134	-1579046	-994753	-2323557	SLV 3	0.28	364	0.76	No
147	5156	17223	25601	SLV 3	0.43	1091	1.191	-1425626	-686171	-2323557	SLV 3	0.47	1412	1.324	Si
170	4251	17223	25601	SLV 3	0.45	1223	1.248	-1292711	-379756	-2323557	SLV 3	0.57	2474	1.666	Si
193	3347	17223	25601	SLV 3	0.46	1365	1.306	-985726	-736578	-2323557	SLV 13	0.57	2474	1.666	Si
215	2442	17223	25601	SLV 3	0.48	1517	1.364	-946419	-1045015	-2323557	SLV 13	0.47	1438	1.334	Si
238	1537	17223	25601	SLV 3	0.5	1681	1.422	-927618	-1354142	-2323557	SLV 13	0.37	766	1.03	Si
261	633	17223	20007	SLV 3	0.41	948	1.125	-929322	-1663547	-2323557	SLV 13	0.31	465	0.84	No
272	180	17223	20007	SLV 3	0.42	1006	1.152	-937864	-1818307	-2715544	SLV 13	0.36	674	0.978	No
295	-724	-17223	-20007	SLV 13	0.41	937	1.119	-958757	-2042704	-2968018	SLV 13	0.36	684	0.984	No
317	-1636	-17223	-20007	SLV 13	0.39	833	1.066	-958757	-2042704	-3221991	SLV 13	0.4	914	1.108	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	10138	6049	28344	SLD 3	0.4	926	2.802	-2212900	-881764	-3671293	SLD 3	0.23	235	1.597	Si
45	9227	6049	28344	SLD 3	0.42	1053	2.954	-2212900	-881764	-3289993	SLD 3	0.17	124	1.229	Si
68	8322	6049	28344	SLD 3	0.44	1191	3.107	-2052308	-782456	-2910957	SLD 3	0.15	99	1.121	Si
79	7870	6049	28344	SLD 3	0.45	1264	3.184	-1947403	-713966	-2323557	SLD 3	0.07	23	0.616	No
102	6965	6049	25601	SLD 3	0.41	982	2.871	-1752972	-577032	-2323557	SLD 3	0.14	80	1.027	No
125	6061	6049	25601	SLD 3	0.43	1117	3.026	-1579046	-440209	-2323557	SLD 3	0.23	247	1.63	Si
147	5156	6049	25601	SLD 3	0.45	1259	3.179	-1425626	-303648	-2323557	SLD 3	0.4	888	2.755	Si
170	4251	6049	25601	SLD 3	0.47	1412	3.332	-1292711	-168044	-2323557	SLD 3	0.6	2474	4.193	Si
193	3347	6049	25601	SLD 3	0.49	1577	3.486	-985726	-325964	-2323557	SLD 13	0.54	2113	3.93	Si
215	2442	6049	25601	SLD 3	0.51	1754	3.641	-946419	-462460	-2323557	SLD 13	0.4	904	2.775	Si
238	1537	6049	25601	SLD 3	0.53	1943	3.798	-927618	-599261	-2323557	SLD 13	0.32	498	2.173	Si
261	633	6049	20007	SLD 3	0.43	1091	2.997	-929322	-736185	-2323557	SLD 13	0.26	316	1.803	Si
272	180	6049	20007	SLD 3	0.44	1161	3.075	-937864	-804672	-2715544	SLD 13	0.3	442	2.069	Si
295	-724	-6049	-20007	SLD 13	0.43	1077	2.981	-958757	-903977	-2968018	SLD 13	0.3	449	2.083	Si
317	-1636	-6049	-20007	SLD 13	0.41	948	2.83	-958757	-903977	-3221991	SLD 13	0.34	592	2.333	Si

Campata 3 tra i fili 56 - 57, sezione R 45x70, asta 796

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	11.4	5.4						-2988301	SLU 29	-2705194	-3221991	0.114	Si
23	26.61	5.4	11.4	5.4						-2435059	SLU 29	-2435059	-3221991	0.114	Si
51	22.53	5.4	11.4	5.4						-1765382	SLU 29	-2435059	-2740707	0.104	Si
103	15.21	5.4	11.4	5.4						-699626	SLU 29	-1286122	-1873055	0.09	Si
154	10.74	5.4	11.4	5.4	213812	SLU 36	652608	1422094	0.084	142782	SLU 1	-288528	-1343867	0.082	Si
205	7.6	5.4	19.01	5.4	961256	SLU 30	1314559	2323876	0.102						Si
231	7.6	5.4	19.01	5.4	1277797	SLU 30	1586599	2323876	0.102						Si
282	7.6	5.4	19.01	5.4	1793005	SLU 30	2012927	2323876	0.102						Si
334	7.6	5.4	19.01	5.4	2151377	SLU 29	2282446	2323876	0.102						Si
385	7.6	5.4	19.01	5.4	2352734	SLU 29	2394801	2323876	0.102						No
411	7.6	5.4	19.01	5.4	2394476	SLU 29	2396927	2323876	0.102						No
436	7.6	5.4	19.01	5.4	2396927	SLU 29	2396927	2323876	0.102						No
488	7.6	5.4	19.01	5.4	2283957	SLU 29	2364973	2323876	0.102						No
539	7.6	5.4	19.01	5.4	2013824	SLU 29	2183841	2323876	0.102						Si
565	7.6	5.4	19.01	5.4	1819821	SLU 29	2034338	2323876	0.102						Si
616	7.6	5.4	19.01	5.4	1313942	SLU 29	1617461	2323876	0.102						Si
667	21.43	5.4	19.01	5.4	650900	SLU 29	1043421	2322643	0.091						Si
719	22.81	5.4	19.01	5.4	-104117	SLU 1	312216	2322640	0.091	-182418	SLU 36	-608959	-2772814	0.097	Si
742	22.81	5.4	19.01	5.4						-608959	SLU 30	-608959	-2772814	0.097	Si
770	22.81	5.4	19.01	5.4						-1151041	SLU 30	-869378	-2772814	0.097	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	11.4	5.4						-3706397	SLV 3	-3464653	-3221991	0.114	No
23	26.61	5.4	11.4	5.4	5268	SLV 13	319347	1422107	0.084	-3231092	SLV 3	-3231092	-3221991	0.114	No
51	22.53	5.4	11.4	5.4	317056	SLV 13	595032	1422107	0.084	-2648384	SLV 3	-3231092	-2740707	0.104	No
77	15.21	5.4	11.4	5.4	565549	SLV 13	813925	1422107	0.084	-2158980	SLV 3	-2716779	-1873055	0.09	No
103	15.21	5.4	11.4	5.4	787901	SLV 13	1006734	1422107	0.084	-1696021	SLV 3	-2223874	-1873055	0.09	No
154	10.74	5.4	11.4	5.4	1154402	SLV 13	1314462	1422094	0.084	-849656	SLV 3	-1317430	-1343867	0.082	Si
205	7.6	5.4	19.01	5.4	1417344	SLV 13	1519613	2323876	0.102	-110074	SLV 3	-517249	-971525	0.08	Si
231	7.6	5.4	19.01	5.4	1510544	SLV 13	1584887	2323876	0.102	219109	SLV 3	-157327	-971525	0.08	Si
282	7.6	5.4	19.01	5.4	1623805	SLV 13	1648321	2323876	0.102						Si
334	7.6	5.4	19.01	5.4	1661666	SLV 15	1690265	2323876	0.102						Si
385	7.6	5.4	19.01	5.4	1770943	SLV 3	1896250	2323876	0.102						Si
436	7.6	5.4	19.01	5.4	1987983	SLV 3	2083550	2323876	0.102						Si
488	7.6	5.4	19.01	5.4	2139189	SLV 3	2180698	2323876	0.102						Si
539	7.6	5.4	19.01	5.4	2193132	SLV 3	2193132	2323876	0.102						Si
565	7.6	5.4	19.01	5.4	2181817	SLV 3	2193132	2323876	0.102	253555	SLV 13	-63286	-971525	0.08	Si
616	7.6	5.4	19.01	5.4	2081471	SLV 3	2149569	2323876	0.102	-326307	SLV 13	-703279	-971525	0.08	Si
667	21.43	5.4	19.01	5.4	1876859	SLV 3	2004062	2322643	0.091	-1012246	SLV 13	-1449097	-2609551	0.095	Si
719	22.81	5.4	19.01	5.4	1567593	SLV 3	1754090	2322640	0.091	-1803873	SLV 13	-2208155	-2772814	0.097	Si
742	22.81	5.4	19.01	5.4	1387504	SLV 3	1601814	2322640	0.091	-2208155	SLV 13	-2208155	-2772814	0.097	Si
770	22.81	5.4	19.01	5.4	1153483	SLV 3	1153483	2322640	0.091	-2700989	SLV 13	-2447707	-2772814	0.097	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	11.4	5.4						-2745307	SLD 3	-2532911	-3221991	0.114	Si
23	26.61	5.4	11.4	5.4						-2328975	SLD 3	-2328975	-3221991	0.114	Si
51	22.53	5.4	11.4	5.4						-1821787	SLD 3	-2328975	-2740707	0.104	Si
77	15.21	5.4	11.4	5.4	-193893	SLD 13	130431	1422107	0.084	-1399538	SLD 3	-1881269	-1873055	0.09	No
103	15.21	5.4	11.4	5.4	95529	SLD 13	390179	1422107	0.084	-1003649	SLD 3	-1455527	-1873055	0.09	Si
154	10.74	5.4	11.4	5.4	595793	SLD 13	831232	1422094	0.084	-291048	SLD 3	-683137	-1343867	0.082	Si
205	7.6	5.4	19.01	5.4	991599	SLD 13	1168260	2323876	0.102	315671	SLD 3	-16401	-971525	0.08	Si
231	7.6	5.4	19.01	5.4	1150579	SLD 13	1298279	2323876	0.102						Si
282	7.6	5.4	19.01	5.4	1392195	SLD 13	1484636	2323876	0.102						Si
334	7.6	5.4	19.01	5.4	1541796	SLD 15	1598866	2323876	0.102						Si
385	7.6	5.4	19.01	5.4	1664335	SLD 3	1734978	2323876	0.102						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
436	7.6	5.4	19.01	5.4	1775983	SLD 3	1800325	2323876	0.102						Si
488	7.6	5.4	19.01	5.4	1799867	SLD 3	1800325	2323876	0.102						Si
539	7.6	5.4	19.01	5.4	1722078	SLD 3	1777337	2323876	0.102						Si
565	7.6	5.4	19.01	5.4	1644253	SLD 3	1728948	2323876	0.102						Si
616	7.6	5.4	19.01	5.4	1410240	SLD 3	1554107	2323876	0.102						Si
667	21.43	5.4	19.01	5.4	1071457	SLD 3	1274681	2322643	0.091	-206844	SLD 13	-567574	-2609551	0.095	Si
719	22.81	5.4	19.01	5.4	627731	SLD 3	890396	2322640	0.091	-864010	SLD 13	-1205798	-2772814	0.097	Si
742	22.81	5.4	19.01	5.4	385146	SLD 3	675674	2322640	0.091	-1205798	SLD 13	-1205798	-2772814	0.097	Si
770	22.81	5.4	19.01	5.4	78981	SLD 3	78981	2322640	0.091	-1626487	SLD 13	-1409142	-2772814	0.097	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	25354	SLU 29	25354	12021	76908	0	12021	1	Si
23	0.215	15.21	0	24012	SLU 29	24012	12021	76908	25009	25009	1	Si
51	0.215	13.16	0	22292	SLU 29	22292	11457	76908	25009	25009	1	Si
103	0.172	7.6	0	19231	SLU 29	19231	9541	76908	19921	19921	1	Si
154	0.172	11.4	0	16169	SLU 29	16169	10922	76908	19921	19921	1	Si
205	0.172	11.4	0	13107	SLU 29	13107	10922	76908	19921	19921	1	Si
231	0.172	11.4	0	11577	SLU 29	11577	10922	76908	19921	19921	1	Si
282	0.172	19.01	0	8515	SLU 29	8515	12949	76908	19921	19921	1	Si
334	0.172	19.01	0	5453	SLU 29	5453	12949	76908	19921	19921	1	Si
385	0.172	19.01	0	2392	SLU 29	2392	12949	76908	19921	19921	1	Si
436	0.172	19.01	0	-702	SLU 36	-702	-12949	-76908	-19921	-19921	1	Si
488	0.172	19.01	0	-3741	SLU 30	-3741	-12949	-76908	-19921	-19921	1	Si
539	0.172	19.01	0	-6802	SLU 30	-6802	-12949	-76908	-19921	-19921	1	Si
565	0.172	19.01	0	-8333	SLU 30	-8333	-12949	-76908	-19921	-19921	1	Si
616	0.172	19.01	0	-11395	SLU 30	-11395	-12949	-76908	-19921	-19921	1	Si
667	0.172	19.01	0	-14456	SLU 30	-14456	-12949	-76908	-19921	-19921	1	Si
719	0.172	16.59	0	-17518	SLU 30	-17518	-12375	-76908	-20007	-20007	1	Si
742	0.172	21.43	0	-18940	SLU 30	-18940	-13477	-76908	-20007	-20007	1	Si
770	0	22.81	0	-20549	SLU 30	-20549	-13761	-76908	0	-13761	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	21659	SLV 3	22887	12021	76908	0	12021	1	Si
23	0.215	15.21	0	20761	SLV 3	21989	12021	76908	25009	25009	1	Si
51	0.215	13.16	0	19610	SLV 3	20838	11457	76908	25009	25009	1	Si
103	0.172	7.6	0	17561	SLV 3	18789	9541	76908	19921	19921	1	Si
154	0.172	7.6	0	15513	SLV 3	16741	9541	76908	19921	19921	1	Si
205	0.172	7.6	0	13464	SLV 3	14692	9541	76908	19921	19921	1	Si
231	0.172	11.4	0	12439	SLV 3	13668	10922	76908	19921	19921	1	Si
282	0.172	19.01	0	10391	SLV 3	11619	12949	76908	19921	19921	1	Si
282	0.172	19.01	0	944	SLV 13	-284	-12949	-76908	-19921	-19921	1	Si
334	0.172	19.01	0	8342	SLV 3	9570	12949	76908	19921	19921	1	Si
334	0.172	19.01	0	-1105	SLV 13	-2333	-12949	-76908	-19921	-19921	1	Si
385	0.172	19.01	0	6293	SLV 3	7521	12949	76908	19921	19921	1	Si
385	0.172	19.01	0	-3154	SLV 13	-4382	-12949	-76908	-19921	-19921	1	Si
436	0.172	19.01	0	4244	SLV 3	5472	12949	76908	19921	19921	1	Si
436	0.172	19.01	0	-5202	SLV 13	-6431	-12949	-76908	-19921	-19921	1	Si
488	0.172	19.01	0	2196	SLV 3	3424	12949	76908	19921	19921	1	Si
488	0.172	19.01	0	-7251	SLV 13	-8479	-12949	-76908	-19921	-19921	1	Si
539	0.172	19.01	0	147	SLV 3	1375	12949	76908	19921	19921	1	Si
539	0.172	19.01	0	-9300	SLV 13	-10528	-12949	-76908	-19921	-19921	1	Si
565	0.172	19.01	0	-878	SLV 3	350	12949	76908	19921	19921	1	Si
565	0.172	19.01	0	-10324	SLV 13	-11552	-12949	-76908	-19921	-19921	1	Si
616	0.172	7.6	0	-12373	SLV 13	-13601	-9541	-76908	-19921	-19921	1	Si
667	0.172	7.6	0	-14422	SLV 13	-15650	-9541	-76908	-19921	-19921	1	Si
719	0.172	16.59	0	-16471	SLV 13	-17699	-12375	-76908	-20007	-20007	1	Si
742	0.172	21.43	0	-17422	SLV 13	-18650	-13477	-76908	-20007	-20007	1	Si
770	0	22.81	0	-18500	SLV 13	-19728	-13761	-76908	0	-13761	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	19026	SLD 3	19026	12021	76908	0	12021	1	Si
23	0.215	15.21	0	18128	SLD 3	18128	12021	76908	25009	25009	1	Si
51	0.215	13.16	0	16977	SLD 3	16977	11457	76908	25009	25009	1	Si
103	0.172	7.6	0	14928	SLD 3	14928	9541	76908	19921	19921	1	Si
154	0.172	7.6	0	12879	SLD 3	12879	9541	76908	19921	19921	1	Si
205	0.172	11.4	0	10830	SLD 3	10830	10922	76908	19921	19921	1	Si
231	0.172	11.4	0	9806	SLD 3	9806	10922	76908	19921	19921	1	Si
282	0.172	19.01	0	7757	SLD 3	7757	12949	76908	19921	19921	1	Si
334	0.172	19.01	0	5709	SLD 3	5709	12949	76908	19921	19921	1	Si
385	0.172	19.01	0	3660	SLD 3	3660	12949	76908	19921	19921	1	Si
385	0.172	19.01	0	-520	SLD 13	-520	-12949	-76908	-19921	-19921	1	Si
436	0.172	19.01	0	1611	SLD 3	1611	12949	76908	19921	19921	1	Si
436	0.172	19.01	0	-2569	SLD 13	-2569	-12949	-76908	-19921	-19921	1	Si
488	0.172	19.01	0	-4618	SLD 13	-4618	-12949	-76908	-19921	-19921	1	Si
539	0.172	19.01	0	-6667	SLD 13	-6667	-12949	-76908	-19921	-19921	1	Si
565	0.172	19.01	0	-7691	SLD 13	-7691	-12949	-76908	-19921	-19921	1	Si
616	0.172	19.01	0	-9740	SLD 13	-9740	-12949	-76908	-19921	-19921	1	Si
667	0.172	7.6	0	-11789	SLD 13	-11789	-9541	-76908	-19921	-19921	1	Si
719	0.172	16.59	0	-13837	SLD 13	-13837	-12375	-76908	-20007	-20007	1	Si
742	0.172	21.43	0	-14789	SLD 13	-14789	-13477	-76908	-20007	-20007	1	Si
770	0	22.81	0	-15866	SLD 13	-15866	-13761	-76908	0	-13761	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-2170537	2	-1964449	51.1	124.5	1292.9	1837	-1982438	2	-1793335	46.6	93.4	0	+∞	Si
23	-1767809	2	-1767809	46	124.5	1163.5	1837	-1612912	2	-1612912	41.9	93.4	0	+∞	Si
51	-1280337	2	-1767809	48.4	124.5	1363.4	1837	-1165664	2	-1612912	44.1	93.4	0	+∞	Si
103	-504599	2	-931488	29	124.5	1047.5	1837	-454060	2	-845637	26.3	93.4	0	+∞	Si
154	159906	9	479458	16.7	124.5	712	1837	152373	2	447640	15.6	93.4	0	+∞	Si
205	704063	3	961134	29.2	124.5	876.6	1837	653635	2	889344	27	93.4	0	+∞	Si
231	934388	3	1159048	35.2	124.5	1057.1	1837	864827	2	1070757	32.6	93.4	0	+∞	Si
282	1309190	3	1469112	44.7	124.5	1339.9	1837	1208332	2	1354704	41.2	93.4	0	+∞	Si
334	1569749	2	1664949	50.6	124.5	1518.5	1837	1446667	2	1533481	46.6	93.4	0	+∞	Si
385	1715943	2	1746324	53.1	124.5	1592.7	1837	1579832	2	1607087	48.9	93.4	0	+∞	Si
436	1747676	2	1747676	53.1	124.5	1593.9	1837	1607825	2	1607825	48.9	93.4	0	+∞	Si
488	1664946	2	1724206	52.4	124.5	1572.5	1837	1530647	2	1585756	48.2	93.4	0	+∞	Si
539	1467754	2	1591834	48.4	124.5	1451.8	1837	1348299	2	1462966	44.5	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
565	1326234	2	1482724	45.1	124.5	1352.3	1837	1217686	2	1362132	41.4	93.4	0	+∞	Si
616	957348	2	1178658	35.8	124.5	1075	1837	877582	2	1081586	32.9	93.4	0	+∞	Si
667	474000	2	760130	19.5	124.5	683.5	1837	432306	2	695868	17.8	93.4	0	+∞	Si
719	-132552	9	-443968	11	124.5	335.5	1837	-118140	2	-410326	10.2	93.4	0	+∞	Si
742	-443968	3	-443968	11	124.5	335.5	1837	-410326	2	-410326	10.2	93.4	0	+∞	Si
770	-838994	3	-633745	15.8	124.5	479	1837	-773753	2	-584931	14.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.012	0.01	0.016	0.01	0.012	0.01	0.014	0.01	0.011	0.01	0.034	2	0.028	2	9999	Si
51	0.031	0.025	0.04	0.026	0.029	0.025	0.036	0.026	0.029	0.025	0.086	2	0.071	2	8945	Si
103	0.071	0.058	0.091	0.058	0.067	0.058	0.08	0.058	0.066	0.058	0.194	2	0.158	2	3979	Si
154	0.114	0.092	0.145	0.093	0.108	0.092	0.128	0.093	0.105	0.092	0.308	2	0.251	2	2498	Si
205	0.156	0.126	0.198	0.127	0.147	0.126	0.175	0.127	0.144	0.126	0.421	2	0.342	2	1830	Si
231	0.175	0.141	0.223	0.143	0.165	0.141	0.197	0.143	0.162	0.141	0.474	2	0.385	2	1626	Si
282	0.208	0.167	0.268	0.171	0.196	0.167	0.236	0.171	0.192	0.167	0.568	2	0.46	2	1354	Si
334	0.231	0.186	0.302	0.191	0.218	0.186	0.266	0.192	0.213	0.186	0.639	2	0.518	2	1205	Si
385	0.243	0.195	0.321	0.203	0.229	0.195	0.283	0.203	0.224	0.195	0.676	2	0.548	2	1139	Si
411	0.244	0.196	0.324	0.204	0.23	0.196	0.285	0.205	0.225	0.196	0.681	2	0.552	2	1131	Si
436	0.243	0.194	0.322	0.202	0.228	0.195	0.283	0.203	0.223	0.195	0.676	2	0.548	2	1139	Si
488	0.23	0.184	0.303	0.19	0.216	0.184	0.266	0.191	0.211	0.184	0.637	2	0.515	2	1209	Si
539	0.205	0.163	0.266	0.167	0.192	0.164	0.234	0.168	0.188	0.164	0.562	2	0.453	2	1370	Si
565	0.188	0.15	0.242	0.153	0.177	0.15	0.213	0.154	0.173	0.151	0.513	2	0.413	2	1502	Si
616	0.148	0.118	0.187	0.119	0.139	0.118	0.165	0.12	0.136	0.118	0.397	2	0.32	2	1940	Si
667	0.1	0.08	0.127	0.08	0.094	0.08	0.112	0.081	0.092	0.08	0.268	2	0.216	2	2874	Si
719	0.05	0.039	0.063	0.04	0.047	0.04	0.055	0.04	0.046	0.04	0.133	2	0.107	2	5784	Si
742	0.026	0.021	0.033	0.021	0.024	0.021	0.029	0.021	0.024	0.021	0.071	2	0.057	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	16038	5951	25009	SLV 3	0.54	2060	1.546	-1612912	-1618180	-3221991	SLV 3	0.36	702	0.994	No
51	14887	5951	25009	SLV 3	0.57	2474	1.666	-1612912	-1618180	-2740707	SLV 3	0.26	311	0.712	No
103	12838	5951	19921	SLV 3	0.43	1098	1.194	-845637	-1378237	-1873055	SLV 3	0.27	360	0.756	No
154	10789	5951	19921	SLV 3	0.55	2160	1.576	-179646	-1137784	-1343867	SLV 3	0.37	752	1.023	Si
205	8740	5951	19921	SLV 3	0.57	2474	1.666	381174	-898423	-971525	SLV 3	0.54	2054	1.544	Si
231	7716	5951	19921	SLV 3	0.57	2474	1.666	622145	-779472	-971525	SLV 3	0.57	2474	1.666	Si
282	5667	5951	19921	SLV 3	0.57	2474	1.666	1025209	544661	2323876	SLV 13	0.57	2474	1.666	Si
334	3618	5951	19921	SLV 3	0.57	2474	1.666	1323102	304856	2323876	SLV 15	0.57	2474	1.666	Si
385	1570	5951	19921	SLV 3	0.57	2474	1.666	1607087	289163	2323876	SLV 3	0.57	2474	1.666	Si
436	-479	-5951	-19921	SLV 13	0.57	2474	1.666	1575523	508027	2323876	SLV 3	0.53	1937	1.507	Si
488	-2528	-5951	-19921	SLV 13	0.57	2474	1.666	1438787	741911	2323876	SLV 3	0.43	1105	1.197	Si
539	-4577	-5951	-19921	SLV 13	0.57	2474	1.666	1348299	844833	2323876	SLV 3	0.42	1014	1.156	Si
565	-5601	-5951	-19921	SLV 13	0.57	2474	1.666	1348299	844833	2323876	SLV 3	0.42	1014	1.156	Si
616	-7650	-5951	-19921	SLV 13	0.57	2474	1.666	1081586	1067984	2323876	SLV 3	0.42	1034	1.165	Si
667	-9699	-5951	-19921	SLV 13	0.57	2474	1.666	695868	1308194	2322643	SLV 3	0.45	1233	1.253	Si
719	-11747	-5951	-20007	SLV 13	0.5	1652	1.412	-410326	-1797829	-2772814	SLV 13	0.47	1427	1.33	Si
742	-12699	-5951	-20007	SLV 13	0.44	1193	1.236	-410326	-1797829	-2772814	SLV 13	0.47	1427	1.33	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	16038	2090	25009	SLD 3	0.57	2383	4.129	-1612912	-716063	-3221991	SLD 3	0.31	459	2.102	Si
51	14887	2090	25009	SLD 3	0.6	2474	4.193	-1612912	-716063	-2740707	SLD 3	0.22	212	1.531	Si
103	12838	2090	19921	SLD 3	0.45	1268	3.188	-845637	-609890	-1873055	SLD 3	0.23	245	1.625	Si
154	10789	2090	19921	SLD 3	0.58	2474	4.193	-179646	-503491	-1343867	SLD 3	0.31	489	2.157	Si
205	8740	2090	19921	SLD 3	0.6	2474	4.193	381174	-397575	-971525	SLD 3	0.45	1281	3.201	Si
231	7716	2090	19921	SLD 3	0.6	2474	4.193	622145	-344939	-971525	SLD 3	0.6	2474	4.193	Si
282	5667	2090	19921	SLD 3	0.6	2474	4.193	1025209	241033	2323876	SLD 13	0.6	2474	4.193	Si
334	3618	2090	19921	SLD 3	0.6	2474	4.193	1323102	142480	2323876	SLD 13	0.6	2474	4.193	Si
385	1570	2090	19921	SLD 3	0.6	2474	4.193	1607087	127890	2323876	SLD 3	0.6	2474	4.193	Si
436	-479	-2090	-19921	SLD 13	0.6	2474	4.193	1582383	217942	2323876	SLD 3	0.45	1281	3.201	Si
488	-2528	-2090	-19921	SLD 13	0.6	2474	4.193	1438787	328236	2323876	SLD 3	0.36	709	2.512	Si
539	-4577	-2090	-19921	SLD 13	0.6	2474	4.193	1196881	433592	2323876	SLD 3	0.35	649	2.422	Si
565	-5601	-2090	-19921	SLD 13	0.6	2474	4.193	1362132	366816	2323876	SLD 3	0.35	663	2.444	Si
616	-7650	-2090	-19921	SLD 13	0.6	2474	4.193	1081586	472522	2323876	SLD 3	0.35	667	2.45	Si
667	-9699	-2090	-19921	SLD 13	0.6	2474	4.193	695868	578813	2322643	SLD 3	0.38	784	2.618	Si
719	-11747	-2090	-20007	SLD 13	0.52	1910	3.771	-410326	-795472	-2772814	SLD 13	0.4	898	2.767	Si
742	-12699	-2090	-20007	SLD 13	0.47	1378	3.299	-410326	-795472	-2772814	SLD 13	0.4	898	2.767	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 57A-60

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 57A - 58, sezione R 45x70, asta 791

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-2514291	SLU 30	-2228479	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-1950798	SLU 30	-1950798	-3671293	0.114	Si
65	30.41	5.4	15.21	5.4						-940320	SLU 30	-1612960	-3671293	0.114	Si
131	24.29	5.4	15.21	5.4	384888	SLU 29	891363	1872377	0.087	233801	SLU 8	-177189	-2948047	0.103	Si
196	11.4	5.4	15.21	5.4	1460918	SLU 29	1856607	1873055	0.09						Si
261	11.4	5.4	22.81	5.4	2287961	SLU 29	2572864	2773209	0.105						Si
294	11.4	5.4	22.81	5.4	2608113	SLU 29	2837622	2773209	0.105						No
359	11.4	5.4	22.81	5.4	3061676	SLU 29	3180399	2773209	0.105						No
425	11.4	5.4	22.81	5.4	3266253	SLU 29	3274189	2773209	0.105						No
490	11.4	5.4	22.81	5.4	3221843	SLU 29	3269300	2773209	0.105						No
555	11.4	5.4	22.81	5.4	2928446	SLU 29	3086689	2773209	0.105						No
621	11.4	5.4	22.57	5.4	2386063	SLU 29	2655092	2744838	0.105						Si
686	11.4	5.4	15.21	5.4	1596463	SLU 29	1974687	1873055	0.09						No
751	11.4	5.4	15.21	5.4	561134	SLU 29	1049495	1873055	0.09	260785	SLU 8	-64596	-1422107	0.084	Si
784	16.56	5.4	15.21	5.4	-21288	SLU 11	493858	1872678	0.088	-111997	SLU 26	-649597	-2032947	0.09	Si
849	19.01	5.4	15.21	5.4						-1459267	SLU 30	-2169214	-2323187	0.094	Si
915	24.35	5.4	15.21	5.4						-3117085	SLU 30	-3937819	-2956052	0.103	No
958	30.41	5.4	15.21	5.4						-4345772	SLU 30	-4345772	-3671293	0.114	No
980	30.41	5.4	15.21	5.4						-5023890	SLU 30	-4680784	-3671293	0.114	No

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4	521789	SLV 13	521789	1872209	0.086	-3855472	SLV 3	-3617250	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4	802937	SLV 13	1142069	1872209	0.086	-3384433	SLV 3	-3384433	-3671293	0.114	Si
65	30.41	5.4	15.21	5.4	1296493	SLV 13	1585578	1872209	0.086	-2529396	SLV 3	-3100885	-3671293	0.114	Si
131	24.29	5.4	15.21	5.4	1904534	SLV 13	2108843	1872377	0.087	-1370065	SLV 3	-1867359	-2948047	0.103	No
196	11.4	5.4	15.21	5.4	2345939	SLV 15	2486745	1873055	0.09	-377503	SLV 1	-800589	-1422107	0.084	No
261	11.4	5.4	22.81	5.4	2620759	SLV 15	2687479	2773209	0.105						Si
294	11.4	5.4	22.81	5.4	2695734	SLV 15	2725447	2773209	0.105						Si
359	11.4	5.4	22.81	5.4	2720985	SLV 15	2728228	2773209	0.105						Si
425	11.4	5.4	22.81	5.4	2580777	SLV 15	2661457	2773209	0.105						Si
490	11.4	5.4	22.81	5.4	2281980	SLV 15	2431371	2773209	0.105						Si
555	11.4	5.4	22.81	5.4	2113206	SLV 3	2122855	2773209	0.105						Si
621	11.4	5.4	22.57	5.4	2017131	SLV 3	2077407	2744838	0.105						Si
686	11.4	5.4	15.21	5.4	1759613	SLV 3	1892016	1873055	0.09	338832	SLV 13	-74858	-1422107	0.084	No
751	11.4	5.4	15.21	5.4	1338486	SLV 3	1544365	1873055	0.09	-632680	SLV 13	-1120679	-1422107	0.084	Si
784	16.56	5.4	15.21	5.4	1065520	SLV 3	1308432	1872678	0.088	-1181056	SLV 13	-1706179	-2032947	0.09	Si
849	19.01	5.4	15.21	5.4	394674	SLV 3	711697	1872544	0.088	-2402948	SLV 13	-3002291	-2323187	0.094	No
882	19.01	5.4	15.21	5.4	-3225	SLV 3	350865	1872544	0.088	-3076444	SLV 13	-3712889	-2323187	0.094	No
915	24.35	5.4	15.21	5.4						-3791633	SLV 13	-4465177	-2956052	0.103	No
958	30.41	5.4	15.21	5.4						-4797043	SLV 13	-4797043	-3671293	0.114	No
980	30.41	5.4	15.21	5.4						-5347075	SLV 13	-5069372	-3671293	0.114	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-2635365	SLD 3	-2423596	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4	-364241	SLD 13	43271	1872209	0.086	-2217254	SLD 3	-2217254	-3671293	0.114	Si
65	30.41	5.4	15.21	5.4	230069	SLD 13	587529	1872209	0.086	-1462973	SLD 3	-1966083	-3671293	0.114	Si
131	24.29	5.4	15.21	5.4	991771	SLD 13	1270365	1872377	0.087	-457302	SLD 3	-886228	-2948047	0.103	Si
196	11.4	5.4	15.21	5.4	1586799	SLD 15	1795940	1873055	0.09						Si
261	11.4	5.4	22.81	5.4	2015175	SLD 15	2150180	2773209	0.105						Si
294	11.4	5.4	22.81	5.4	2166883	SLD 15	2264835	2773209	0.105						Si
359	11.4	5.4	22.81	5.4	2345414	SLD 15	2369353	2773209	0.105						Si
425	11.4	5.4	22.81	5.4	2357783	SLD 15	2370715	2773209	0.105						Si
490	11.4	5.4	22.81	5.4	2206967	SLD 15	2291705	2773209	0.105						Si
555	11.4	5.4	22.81	5.4	2020904	SLD 3	2084856	2773209	0.105						Si
621	11.4	5.4	22.57	5.4	1774099	SLD 3	1902023	2744838	0.105						Si
686	11.4	5.4	15.21	5.4	1363587	SLD 3	1564141	1873055	0.09						Si
751	11.4	5.4	15.21	5.4	789057	SLD 3	1063216	1873055	0.09	-83251	SLD 13	-502938	-1422107	0.084	Si
784	16.56	5.4	15.21	5.4	439328	SLD 3	750551	1872678	0.088	-554864	SLD 13	-1011654	-2032947	0.09	Si
849	19.01	5.4	15.21	5.4	-385109	SLD 3	261	1872544	0.088	-1623165	SLD 13	-2154149	-2323187	0.094	Si
882	19.01	5.4	15.21	5.4						-2219844	SLD 13	-2787922	-2323187	0.094	No
915	24.35	5.4	15.21	5.4						-2858207	SLD 13	-3463378	-2956052	0.103	No
958	30.41	5.4	15.21	5.4						-3762870	SLD 13	-3762870	-3671293	0.114	No
980	30.41	5.4	15.21	5.4						-4259977	SLD 13	-4008723	-3671293	0.114	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	25992	SLU 29	25992	15146	76908	0	15146	1	Si
23	0.215	30.41	0	24683	SLU 29	24683	15146	76908	25009	25009	1	Si
65	0.215	24.29	0	22186	SLU 29	22186	14052	76908	25009	25009	1	Si
131	0.225	15.21	0	18375	SLU 29	18375	12021	76908	26131	26131	1	Si
196	0.225	15.21	0	14564	SLU 29	14564	12021	76908	26131	26131	1	Si
261	0.225	15.21	0	10753	SLU 29	10753	12021	76908	26131	26131	1	Si
294	0.225	22.57	0	8848	SLU 29	8848	13712	76908	26131	26131	1	Si
359	0.225	22.81	0	5037	SLU 29	5037	13761	76908	26131	26131	1	Si
425	0.225	22.81	0	1226	SLU 29	1226	13761	76908	26131	26131	1	Si
490	0.225	22.81	0	-2586	SLU 30	-2586	-13761	-76908	-26131	-26131	1	Si
555	0.225	22.57	0	-6397	SLU 30	-6397	-13712	-76908	-26131	-26131	1	Si
621	0.225	15.21	0	-10208	SLU 30	-10208	-12021	-76908	-26131	-26131	1	Si
686	0.225	15.21	0	-13953	SLU 30	-13953	-12021	-76908	-26131	-26131	1	Si
751	0.225	15.21	0	-17753	SLU 30	-17753	-12021	-76908	-26131	-26131	1	Si
784	0.225	11.4	0	-19658	SLU 30	-19658	-10922	-76908	-26131	-26131	1	Si
849	0.225	16.56	0	-23469	SLU 30	-23469	-12367	-76908	-26131	-26131	1	Si
915	0.273	19.01	0	-27280	SLU 30	-27280	-12949	-76908	-31678	-31678	1	Si
958	0.273	19.01	0	-29779	SLU 30	-29779	-12949	-76908	-31678	-31678	1	Si
980	0	24.35	0	-31091	SLU 30	-31091	-14065	-76908	0	-14065	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	21571	SLV 3	22669	15146	76908	0	15146	1	Si
23	0.215	30.41	0	20695	SLV 3	21792	15146	76908	25009	25009	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
65	0.215	24.29	0	19023	SLV 3	20121	14052	76908	25009	25009	1	Si
131	0.225	11.4	0	16472	SLV 3	17569	10922	76908	26131	26131	1	Si
196	0.225	11.4	0	13920	SLV 3	15018	10922	76908	26131	26131	1	Si
261	0.225	15.21	0	11368	SLV 3	12466	12021	76908	26131	26131	1	Si
294	0.225	22.57	0	10093	SLV 3	11190	13712	76908	26131	26131	1	Si
359	0.225	22.81	0	7541	SLV 3	8639	13761	76908	26131	26131	1	Si
359	0.225	22.81	0	-902	SLV 13	-2000	-13761	-76908	-26131	-26131	1	Si
425	0.225	22.81	0	4989	SLV 3	6087	13761	76908	26131	26131	1	Si
425	0.225	22.81	0	-3454	SLV 13	-4551	-13761	-76908	-26131	-26131	1	Si
490	0.225	22.81	0	2438	SLV 3	3535	13761	76908	26131	26131	1	Si
490	0.225	22.81	0	-6005	SLV 13	-7103	-13761	-76908	-26131	-26131	1	Si
555	0.225	22.57	0	-114	SLV 3	984	13712	76908	26131	26131	1	Si
555	0.225	22.57	0	-8557	SLV 13	-9654	-13712	-76908	-26131	-26131	1	Si
621	0.225	15.21	0	-11108	SLV 13	-12206	-12021	-76908	-26131	-26131	1	Si
686	0.225	15.21	0	-13611	SLV 13	-14708	-12021	-76908	-26131	-26131	1	Si
751	0.225	11.4	0	-16155	SLV 13	-17253	-10922	-76908	-26131	-26131	1	Si
784	0.225	11.4	0	-17431	SLV 13	-18529	-10922	-76908	-26131	-26131	1	Si
849	0.225	16.56	0	-19983	SLV 13	-21080	-12367	-76908	-26131	-26131	1	Si
915	0.273	19.01	0	-22534	SLV 13	-23632	-12949	-76908	-31678	-31678	1	Si
958	0.273	19.01	0	-24207	SLV 13	-25305	-12949	-76908	-31678	-31678	1	Si
980	0	24.35	0	-25086	SLV 13	-26183	-14065	-76908	0	-14065	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	19218	SLD 3	19218	15146	76908	0	15146	1	Si
23	0.215	30.41	0	18342	SLD 3	18342	15146	76908	25009	25009	1	Si
65	0.215	24.29	0	16670	SLD 3	16670	14052	76908	25009	25009	1	Si
131	0.225	11.4	0	14118	SLD 3	14118	10922	76908	26131	26131	1	Si
196	0.225	15.21	0	11567	SLD 3	11567	12021	76908	26131	26131	1	Si
261	0.225	15.21	0	9015	SLD 3	9015	12021	76908	26131	26131	1	Si
294	0.225	22.57	0	7739	SLD 3	7739	13712	76908	26131	26131	1	Si
359	0.225	22.81	0	5188	SLD 3	5188	13761	76908	26131	26131	1	Si
425	0.225	22.81	0	2636	SLD 3	2636	13761	76908	26131	26131	1	Si
425	0.225	22.81	0	-1100	SLD 13	-1100	-13761	-76908	-26131	-26131	1	Si
490	0.225	22.81	0	84	SLD 3	84	13761	76908	26131	26131	1	Si
490	0.225	22.81	0	-3652	SLD 13	-3652	-13761	-76908	-26131	-26131	1	Si
555	0.225	22.57	0	-6203	SLD 13	-6203	-13712	-76908	-26131	-26131	1	Si
621	0.225	15.21	0	-8755	SLD 13	-8755	-12021	-76908	-26131	-26131	1	Si
686	0.225	15.21	0	-11257	SLD 13	-11257	-12021	-76908	-26131	-26131	1	Si
751	0.225	11.4	0	-13802	SLD 13	-13802	-10922	-76908	-26131	-26131	1	Si
784	0.225	11.4	0	-15078	SLD 13	-15078	-10922	-76908	-26131	-26131	1	Si
849	0.225	16.56	0	-17629	SLD 13	-17629	-12367	-76908	-26131	-26131	1	Si
915	0.273	19.01	0	-20181	SLD 13	-20181	-12949	-76908	-31678	-31678	1	Si
958	0.273	19.01	0	-21854	SLD 13	-21854	-12949	-76908	-31678	-31678	1	Si
980	0	24.35	0	-22732	SLD 13	-22732	-14065	-76908	0	-14065	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1824784	3	-1616824	38.6	124.5	932	1837	-1666841	2	-1476073	35.2	93.4	0	+∞	Si
23	-1414787	3	-1414787	33.7	124.5	815.6	1837	-1290748	2	-1290748	30.8	93.4	0	+∞	Si
65	-679616	3	-1168982	27.9	124.5	673.9	1837	-616452	2	-1065278	25.4	93.4	0	+∞	Si
131	284328	2	652651	17.4	124.5	727.3	1837	267235	2	604799	16.2	93.4	0	+∞	Si
196	1066771	2	1354393	42.2	124.5	1523	1837	984218	2	1247608	38.9	93.4	0	+∞	Si
261	1667842	2	1874762	51.1	124.5	1429.2	1837	1534498	2	1723713	47	93.4	0	+∞	Si
294	1900363	2	2066932	56.4	124.5	1575.7	1837	1747124	2	1899252	51.8	93.4	0	+∞	Si
359	2229375	2	2315243	63.1	124.5	1765	1837	2047349	2	2125303	58	93.4	0	+∞	Si
425	2377015	2	2382181	65	124.5	1816	1837	2180870	2	2184650	59.6	93.4	0	+∞	Si
490	2343282	2	2378467	64.9	124.5	1813.2	1837	2147689	2	2180996	59.5	93.4	0	+∞	Si
555	2128177	2	2244063	61.2	124.5	1710.7	1837	1947804	2	2055286	56	93.4	0	+∞	Si
621	1731699	2	1928287	52.8	124.5	1485	1837	1581216	2	1762872	48.2	93.4	0	+∞	Si
686	1155184	2	1431273	44.6	124.5	1609.5	1837	1049222	2	1303887	40.6	93.4	0	+∞	Si
751	399750	2	756052	23.5	124.5	850.2	1837	352903	2	681271	21.2	93.4	0	+∞	Si
784	-78088	8	-483351	13.9	124.5	499	1837	-75451	1	-460310	13.3	93.4	0	+∞	Si
849	-1073846	3	-1591561	43.9	124.5	1438.6	1837	-1004137	2	-1480853	40.8	93.4	0	+∞	Si
915	-2282726	3	-2881142	73.4	124.5	2053.1	1837	-2117209	2	-2668100	68	93.4	0	+∞	Si
958	-3178577	3	-3178577	75.8	124.5	1832.3	1837	-2941892	2	-2941892	70.2	93.4	0	+∞	Si
980	-3672979	3	-3422830	81.6	124.5	1973.1	1837	-3396984	2	-3166729	75.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.031	0.025	0.048	0.031	0.029	0.025	0.043	0.031	0.028	0.025	0.084	2	0.069	2	9999	Si
65	0.093	0.074	0.144	0.092	0.088	0.074	0.128	0.093	0.086	0.074	0.254	2	0.209	2	3852	Si
131	0.194	0.154	0.295	0.19	0.182	0.154	0.262	0.19	0.178	0.154	0.523	2	0.429	2	1875	Si
196	0.292	0.231	0.444	0.285	0.274	0.231	0.394	0.286	0.268	0.231	0.785	2	0.644	2	1249	Si
261	0.377	0.298	0.58	0.371	0.353	0.298	0.515	0.372	0.345	0.298	1.021	2	0.838	2	960	Si
294	0.412	0.326	0.64	0.409	0.386	0.326	0.568	0.41	0.378	0.326	1.121	2	0.922	2	874	Si
359	0.466	0.368	0.733	0.468	0.437	0.368	0.65	0.469	0.427	0.368	1.274	2	1.049	2	769	Si
425	0.494	0.389	0.782	0.499	0.463	0.39	0.694	0.5	0.452	0.39	1.354	2	1.115	2	724	Si
457	0.498	0.392	0.788	0.502	0.466	0.393	0.699	0.504	0.456	0.393	1.365	2	1.124	2	718	Si
490	0.495	0.389	0.782	0.498	0.463	0.39	0.693	0.499	0.453	0.39	1.355	2	1.115	2	723	Si
555	0.468	0.367	0.734	0.465	0.438	0.368	0.65	0.466	0.428	0.368	1.278	2	1.05	2	767	Si
621	0.416	0.326	0.646	0.407	0.39	0.327	0.571	0.408	0.381	0.327	1.133	2	0.929	2	865	Si
686	0.345	0.269	0.529	0.332	0.322	0.27	0.467	0.333	0.315	0.27	0.932	2	0.763	2	1051	Si
751	0.26	0.202	0.398	0.248	0.243	0.202	0.35	0.249	0.237	0.202	0.701	2	0.572	2	1398	Si
784	0.215	0.166	0.33	0.205	0.201	0.167	0.29	0.205	0.196	0.167	0.581	2	0.473	2	1687	Si
849	0.127	0.097	0.196	0.119	0.118	0.097	0.172	0.12	0.115	0.097	0.344	2	0.278	2	2847	Si
915	0.05	0.038	0.076	0.044	0.047	0.038	0.066	0.045	0.045	0.038	0.137	2	0.109	2	7156	Si
958	0.014	0.011	0.019	0.01	0.013	0.011	0.016	0.01	0.013	0.011	0.037	2	0.029	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	16473	5319	25009	SLV 3	0.57	2435	1.656	-1290748	-2093685	-3671293	SLV 3	0.41	973	1.137	Si
65	14802	5319	25009	SLV 3	0.57	2474	1.666	-204713	1790291	1872209	SLV 13	0.42	1026	1.162	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
131	12250	5319	26131	SLV 3	0.57	2474	1.666	604799	1504044	1872377	SLV 15	0.31	471	0.844	No
196	9698	5319	26131	SLV 3	0.57	2474	1.666	1247608	1239138	1873055	SLV 15	0.19	156	0.537	No
261	7147	5319	26131	SLV 3	0.57	2474	1.666	1723713	963766	2773209	SLV 15	0.39	876	1.089	Si
294	5871	5319	26131	SLV 3	0.57	2474	1.666	1899252	826195	2773209	SLV 15	0.38	816	1.057	Si
359	3319	5319	26131	SLV 3	0.57	2474	1.666	1932307	795920	2773209	SLV 15	0.38	814	1.056	Si
425	768	5319	26131	SLV 3	0.57	2474	1.666	2140004	521454	2773209	SLV 15	0.44	1158	1.221	Si
490	-1784	-5319	-26131	SLV 13	0.57	2474	1.666	2180996	250374	2773209	SLV 15	0.57	2474	1.666	Si
555	-4335	-5319	-26131	SLV 13	0.57	2474	1.666	1803234	284750	2773209	SLV 3	0.57	2474	1.666	Si
621	-6887	-5319	-26131	SLV 13	0.57	2474	1.666	1362460	557909	2744838	SLV 3	0.57	2474	1.666	Si
686	-9389	-5319	-26131	SLV 13	0.57	2474	1.666	1303887	588129	1873055	SLV 3	0.35	657	0.968	No
751	-11934	-5319	-26131	SLV 13	0.57	2474	1.666	-12552	-1108126	-1422107	SLV 13	0.46	1310	1.284	Si
784	-13209	-5319	-26131	SLV 13	0.57	2474	1.666	-460310	-1245868	-2032947	SLV 13	0.45	1283	1.273	Si
849	-15761	-5319	-26131	SLV 13	0.57	2474	1.666	-1480853	-1521438	-2323187	SLV 13	0.21	189	0.581	No
915	-18313	-5319	-31678	SLV 13	0.57	2474	1.666	-2668100	-1797077	-2956052	SLV 13	0.06	16	0.211	No
958	-19985	-5319	-31678	SLV 13	0.57	2474	1.666	-2941892	-1855151	-3671293	SLV 13	0.15	94	0.436	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	16473	1868	25009	SLD 3	0.6	2474	4.193	-1290748	-926506	-3671293	SLD 3	0.35	631	2.395	Si
65	14802	1868	25009	SLD 3	0.6	2474	4.193	-204713	792242	1872209	SLD 13	0.35	663	2.444	Si
131	12250	1868	26131	SLD 3	0.6	2474	4.193	604799	665566	1872377	SLD 15	0.26	320	1.813	Si
196	9698	1868	26131	SLD 3	0.6	2474	4.193	1247608	548332	1873055	SLD 15	0.16	107	1.157	Si
261	7147	1868	26131	SLD 3	0.6	2474	4.193	1723713	426466	2773209	SLD 15	0.33	568	2.294	Si
294	5871	1868	26131	SLD 3	0.6	2474	4.193	1899252	365583	2773209	SLD 15	0.32	530	2.229	Si
359	3319	1868	26131	SLD 3	0.6	2474	4.193	1932307	352184	2773209	SLD 15	0.32	529	2.228	Si
425	768	1868	26131	SLD 3	0.6	2474	4.193	2140004	230711	2773209	SLD 15	0.37	740	2.556	Si
490	-1784	-1868	-26131	SLD 13	0.6	2474	4.193	2180996	110709	2773209	SLD 15	0.6	2474	4.193	Si
555	-4335	-1868	-26131	SLD 13	0.6	2474	4.193	1803234	125962	2773209	SLD 3	0.6	2474	4.193	Si
621	-6887	-1868	-26131	SLD 13	0.6	2474	4.193	1362460	246878	2744838	SLD 3	0.6	2474	4.193	Si
686	-9389	-1868	-26131	SLD 13	0.6	2474	4.193	1303887	260254	1873055	SLD 3	0.3	433	2.052	Si
751	-11934	-1868	-26131	SLD 13	0.6	2474	4.193	-12552	-490386	-1422107	SLD 13	0.39	828	2.677	Si
784	-13209	-1868	-26131	SLD 13	0.6	2474	4.193	-460310	-551344	-2032947	SLD 13	0.38	812	2.655	Si
849	-15761	-1868	-26131	SLD 13	0.6	2474	4.193	-1480853	-673296	-2323187	SLD 13	0.17	130	1.253	Si
915	-18313	-1868	-31678	SLD 13	0.6	2474	4.193	-2668100	-795278	-2956052	SLD 13	0.05	11	0.455	No
958	-19985	-1868	-31678	SLD 13	0.6	2474	4.193	-2941892	-820978	-3671293	SLD 13	0.13	66	0.949	No

Campata 2 tra i fili 58 - 59, sezione R 45x70, asta 792

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-3283043	SLU 30	-3121007	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-2973682	SLU 30	-2973682	-3671293	0.114	Si
45	27.18	5.4	13.71	5.4						-2689820	SLU 30	-2973682	-3289993	0.11	Si
68	23.98	5.4	9.19	5.4						-2438163	SLU 30	-2767263	-2910957	0.113	Si
79	19.01	5.4	11.4	5.4						-2323573	SLU 30	-2633455	-2323557	0.097	No
91	19.01	5.4	11.4	5.4						-2216476	SLU 30	-2507140	-2323557	0.097	No
102	19.01	5.4	11.4	5.4						-2116871	SLU 30	-2388316	-2323557	0.097	No
125	19.01	5.4	11.4	5.4						-1940138	SLU 30	-2173148	-2323557	0.097	Si
147	19.01	5.4	11.4	5.4						-1793375	SLU 30	-1987949	-2323557	0.097	Si
170	19.01	5.4	11.4	5.4						-1676582	SLU 30	-1832719	-2323557	0.097	Si
193	19.01	5.4	11.4	5.4						-1590356	SLU 29	-1707459	-2323557	0.097	Si
215	19.01	5.4	11.4	5.4						-1534474	SLU 29	-1612492	-2323557	0.097	Si
238	19.01	5.4	11.4	5.4						-1508562	SLU 29	-1548144	-2323557	0.097	Si
261	19.01	5.4	11.4	5.4						-1512619	SLU 29	-1562609	-2323557	0.097	Si
272	22.32	5.4	11.4	5.4						-1525886	SLU 29	-1595094	-2715544	0.104	Si
295	24.46	5.4	11.4	5.4						-1574898	SLU 29	-1654626	-2968018	0.109	Si
317	26.61	5.4	11.4	5.4						-1654626	SLU 29	-1654626	-3221991	0.114	Si
340	26.61	5.4	11.4	5.4						-1762831	SLU 29	-1701373	-3221991	0.114	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4	159289	SLV 15	107850	1872209	0.086	-4706197	SLV 1	-4428695	-3671293	0.114	No
23	30.41	5.4	15.21	5.4	46436	SLV 15	46436	1872209	0.086	-4160915	SLV 1	-4160915	-3671293	0.114	No
45	27.18	5.4	13.71	5.4	-88181	SLV 15	46436	1695537	0.085	-3627744	SLV 1	-4160915	-3289993	0.11	No
68	23.98	5.4	9.19	5.4						-3118721	SLV 1	-3775813	-2910957	0.113	No
79	19.01	5.4	11.4	5.4						-2871785	SLV 1	-3515935	-2323557	0.097	No
91	19.01	5.4	11.4	5.4						-2629919	SLV 1	-3261095	-2323557	0.097	No
102	19.01	5.4	11.4	5.4						-2393152	SLV 1	-3011304	-2323557	0.097	No
125	19.01	5.4	11.4	5.4						-1935186	SLV 1	-2526925	-2323557	0.097	No
147	19.01	5.4	11.4	5.4						-1500028	SLV 1	-2063075	-2323557	0.097	Si
170	19.01	5.4	11.4	5.4						-1211537	SLV 13	-1621135	-2323557	0.097	Si
193	19.01	5.4	11.4	5.4						-1453797	SLV 13	-1820278	-2323557	0.097	Si
215	19.01	5.4	11.4	5.4	-293441	SLV 3	161471	1422107	0.084	-1735963	SLV 13	-2129721	-2323557	0.097	Si
238	19.01	5.4	11.4	5.4	64506	SLV 3	494142	1422107	0.084	-2039596	SLV 13	-2459547	-2323557	0.097	No
261	19.01	5.4	11.4	5.4	402788	SLV 3	806888	1422107	0.084	-2363697	SLV 13	-2809579	-2323557	0.097	No
272	22.32	5.4	11.4	5.4	564475	SLV 3	955767	1422107	0.084	-2533342	SLV 13	-2992151	-2715544	0.104	No
295	24.46	5.4	11.4	5.4	872879	SLV 3	1163294	1422107	0.084	-2887761	SLV 13	-3265176	-2968018	0.109	No
317	26.61	5.4	11.4	5.4	1163294	SLV 3	1163294	1422107	0.084	-3265176	SLV 13	-3265176	-3221991	0.114	No
340	26.61	5.4	11.4	5.4	1429663	SLV 3	1292493	1422107	0.084	-3656967	SLV 13	-3447237	-3221991	0.114	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-3350033	SLD 1	-3164217	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-2988194	SLD 1	-2988194	-3671293	0.114	Si
45	27.18	5.4	13.71	5.4						-2641155	SLD 1	-2988194	-3289993	0.11	Si
68	23.98	5.4	9.19	5.4						-2316861	SLD 1	-2737028	-2910957	0.113	Si
79	19.01	5.4	11.4	5.4						-2162260	SLD 1	-2569527	-2323557	0.097	No
91	19.01	5.4	11.4	5.4						-2012700	SLD 1	-2407053	-2323557	0.097	No
102	19.01	5.4	11.4	5.4						-1868193	SLD 1	-2249609	-2323557	0.097	Si
125	19.01	5.4	11.4	5.4						-1594456	SLD 1	-1949839	-2323557	0.097	Si
147	19.01	5.4	11.4	5.4						-1341995	SLD 1	-1670339	-2323557	0.097	Si
170	19.01	5.4	11.4	5.4						-1165611	SLD 13	-1411718	-2323557	0.097	Si
193	19.01	5.4	11.4	5.4						-1235339	SLD 13	-1366134	-2323557	0.097	Si
215	19.01	5.4	11.4	5.4						-1333887	SLD 13	-1491097	-2323557	0.097	Si
238	19.01	5.4	11.4	5.4						-1453119	SLD 13	-1636265	-2323557	0.097	Si
261	19.01	5.4	11.4	5.4						-1592594	SLD 13	-1801561	-2323557	0.097	Si
272	22.32	5.4	11.4	5.4						-1669887	SLD 13	-1891747	-2715544	0.104	Si
295	24.46	5.4	11.4	5.4						-1839558	SLD 13	-2030828	-2968018	0.109	Si
317	26.61	5.4	11.4	5.4						-2030828	SLD 13	-2030828	-3221991	0.114	Si
340	26.61	5.4	11.4	5.4	11867	SLD 3	11867	1422107	0.084	-2239170	SLD 13	-2126132	-3221991	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	23.98	0	14408	SLU 30	14408	13992	76908	0	13992	1	Si
11	0	19.01	0	13747	SLU 30	13747	12949	76908	0	12949	1	Si
23	0.244	19.01	0	13096	SLU 30	13096	12949	76908	28344	28344	1	Si
45	0.244	19.01	0	11764	SLU 30	11764	12949	76908	28344	28344	1	Si
68	0.244	19.01	0	10441	SLU 30	10441	12949	76908	28344	28344	1	Si
91	0.244	19.01	0	9119	SLU 30	9119	12949	76908	28344	28344	1	Si
102	0.221	19.01	0	8458	SLU 30	8458	12949	76908	25601	25601	1	Si
125	0.221	19.01	0	7162	SLU 36	7162	12949	76908	25601	25601	1	Si
147	0.221	19.01	0	5927	SLU 36	5927	12949	76908	25601	25601	1	Si
170	0.221	19.01	0	4723	SLU 35	4723	12949	76908	25601	25601	1	Si
193	0.221	19.01	0	3693	SLU 35	3693	12949	76908	25601	25601	1	Si
215	0.221	19.01	0	2760	SLU 26	2760	12949	76908	25601	25601	1	Si
238	0.221	19.01	0	1839	SLU 26	1839	12949	76908	25601	25601	1	Si
261	0.187	19.01	0	918	SLU 26	918	12949	76908	21675	21675	1	Si
261	0.187	19.01	0	-1082	SLU 11	-1082	-12949	-76908	-21675	-21675	1	Si
272	0.187	19.01	0	457	SLU 26	457	12949	76908	21675	21675	1	Si
272	0.187	19.01	0	-1651	SLU 11	-1651	-12949	-76908	-21675	-21675	1	Si
295	0.187	19.01	0	-2823	SLU 29	-2823	-12949	-76908	-21675	-21675	1	Si
317	0.187	19.01	0	-4155	SLU 29	-4155	-12949	-76908	-21675	-21675	1	Si
340	0	22.32	0	-5468	SLU 29	-5468	-13662	-76908	0	-13662	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	23.98	0	24681	SLV 1	28485	13992	76908	0	13992	1	Si
0	0	9.19	0	-4580	SLV 15	-8384	-10164	-76908	0	-10164	1	Si
11	0	19.01	0	24239	SLV 1	28043	12949	76908	0	12949	1	Si
11	0	11.4	0	-5023	SLV 15	-8827	-10922	-76908	0	-10922	1	Si
23	0.244	19.01	0	23803	SLV 1	27607	12949	76908	28344	28344	1	Si
23	0.244	11.4	0	-5459	SLV 15	-9263	-10922	-76908	-28344	-28344	1	Si
45	0.244	19.01	0	22911	SLV 1	26715	12949	76908	28344	28344	1	Si
45	0.244	19.01	0	-6351	SLV 15	-10155	-12949	-76908	-28344	-28344	1	Si
68	0.244	19.01	0	22026	SLV 1	25830	12949	76908	28344	28344	1	Si
68	0.244	19.01	0	-7236	SLV 15	-11040	-12949	-76908	-28344	-28344	1	Si
91	0.244	19.01	0	21140	SLV 1	24944	12949	76908	28344	28344	1	Si
91	0.244	19.01	0	-8121	SLV 15	-11925	-12949	-76908	-28344	-28344	1	Si
102	0.221	19.01	0	20698	SLV 1	24502	12949	76908	25601	25601	1	Si
102	0.221	19.01	0	-8564	SLV 15	-12368	-12949	-76908	-25601	-25601	1	Si
125	0.221	19.01	0	19813	SLV 1	23617	12949	76908	25601	25601	1	Si
125	0.221	19.01	0	-9449	SLV 15	-13253	-12949	-76908	-25601	-25601	1	Si
147	0.221	19.01	0	18927	SLV 1	22731	12949	76908	25601	25601	1	Si
147	0.221	19.01	0	-10334	SLV 15	-14138	-12949	-76908	-25601	-25601	1	Si
170	0.221	19.01	0	18042	SLV 1	21846	12949	76908	25601	25601	1	Si
170	0.221	19.01	0	-11220	SLV 15	-15024	-12949	-76908	-25601	-25601	1	Si
193	0.221	19.01	0	17157	SLV 1	20961	12949	76908	25601	25601	1	Si
193	0.221	19.01	0	-12105	SLV 15	-15909	-12949	-76908	-25601	-25601	1	Si
215	0.221	19.01	0	16272	SLV 1	20076	12949	76908	25601	25601	1	Si
215	0.221	19.01	0	-12990	SLV 15	-16794	-12949	-76908	-25601	-25601	1	Si
238	0.221	11.4	0	15386	SLV 1	19190	10922	76908	25601	25601	1	Si
238	0.221	19.01	0	-13875	SLV 15	-17679	-12949	-76908	-25601	-25601	1	Si
261	0.187	11.4	0	14501	SLV 1	18305	10922	76908	21675	21675	1	Si
261	0.187	19.01	0	-14761	SLV 15	-18565	-12949	-76908	-21675	-21675	1	Si
272	0.187	11.4	0	14058	SLV 1	17862	10922	76908	21675	21675	1	Si
272	0.187	19.01	0	-15203	SLV 15	-19007	-12949	-76908	-21675	-21675	1	Si
295	0.187	11.4	0	13173	SLV 1	16977	10922	76908	21675	21675	1	Si
295	0.187	19.01	0	-16088	SLV 15	-19893	-12949	-76908	-21675	-21675	1	Si
317	0.187	11.4	0	12281	SLV 1	16085	10922	76908	21675	21675	1	Si
317	0.187	19.01	0	-16980	SLV 15	-20784	-12949	-76908	-21675	-21675	1	Si
340	0	11.4	0	11403	SLV 1	15207	10922	76908	0	10922	1	Si
340	0	22.32	0	-17859	SLV 15	-21663	-13662	-76908	0	-13662	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	23.98	0	16525	SLD 1	16525	13992	76908	0	13992	1	Si
11	0	19.01	0	16083	SLD 1	16083	12949	76908	0	12949	1	Si
23	0.244	19.01	0	15646	SLD 1	15646	12949	76908	28344	28344	1	Si
45	0.244	19.01	0	14755	SLD 1	14755	12949	76908	28344	28344	1	Si
68	0.244	19.01	0	13869	SLD 1	13869	12949	76908	28344	28344	1	Si
91	0.244	19.01	0	12984	SLD 1	12984	12949	76908	28344	28344	1	Si
102	0.221	19.01	0	12542	SLD 1	12542	12949	76908	25601	25601	1	Si
102	0.221	19.01	0	-408	SLD 15	-408	-12949	-76908	-25601	-25601	1	Si
125	0.221	19.01	0	11656	SLD 1	11656	12949	76908	25601	25601	1	Si
125	0.221	19.01	0	-1293	SLD 15	-1293	-12949	-76908	-25601	-25601	1	Si
147	0.221	19.01	0	10771	SLD 1	10771	12949	76908	25601	25601	1	Si
147	0.221	19.01	0	-2178	SLD 15	-2178	-12949	-76908	-25601	-25601	1	Si
170	0.221	19.01	0	9886	SLD 1	9886	12949	76908	25601	25601	1	Si
170	0.221	19.01	0	-3064	SLD 15	-3064	-12949	-76908	-25601	-25601	1	Si
193	0.221	19.01	0	9001	SLD 1	9001	12949	76908	25601	25601	1	Si
193	0.221	19.01	0	-3949	SLD 15	-3949	-12949	-76908	-25601	-25601	1	Si
215	0.221	19.01	0	8115	SLD 1	8115	12949	76908	25601	25601	1	Si
215	0.221	19.01	0	-4834	SLD 15	-4834	-12949	-76908	-25601	-25601	1	Si
238	0.221	19.01	0	7230	SLD 1	7230	12949	76908	25601	25601	1	Si
238	0.221	19.01	0	-5719	SLD 15	-5719	-12949	-76908	-25601	-25601	1	Si
261	0.187	19.01	0	6345	SLD 1	6345	12949	76908	21675	21675	1	Si
261	0.187	19.01	0	-6605	SLD 15	-6605	-12949	-76908	-21675	-21675	1	Si
272	0.187	19.01	0	5902	SLD 1	5902	12949	76908	21675	21675	1	Si
272	0.187	19.01	0	-7047	SLD 15	-7047	-12949	-76908	-21675	-21675	1	Si
295	0.187	19.01	0	5017	SLD 1	5017	12949	76908	21675	21675	1	Si
295	0.187	19.01	0	-7932	SLD 15	-7932	-12949	-76908	-21675	-21675	1	Si
317	0.187	19.01	0	4125	SLD 1	4125	12949	76908	21675	21675	1	Si
317	0.187	19.01	0	-8824	SLD 15	-8824	-12949	-76908	-21675	-21675	1	Si
340	0	22.32	0	3247	SLD 1	3247	13662	76908	0	13662	1	Si
340	0	22.32	0	-9703	SLD 15	-9703	-13662	-76908	0	-13662	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-2420875	3	-2301079	54.9	124.5	1326.5	1837	-2273454	2	-2160422	51.5	93.4	0	+∞	Si
23	-2192000	3	-2192000	52.3	124.5	1263.6	1837	-2057240	2	-2057240	49.1	93.4	0	+∞	Si
45	-1981646	3	-2192000	55	124.5	1409.1	1837	-1857962	2	-2057240	51.6	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
68	-1794779	3	-2039062	56.3	124.5	1486.8	1837	-1680315	2	-1912399	52.8	93.4	0	+∞	Si
91	-1629743	3	-1846027	53.4	124.5	1675.4	1837	-1522733	2	-1729083	50	93.4	0	+∞	Si
102	-1555412	3	-1757697	50.8	124.5	1595.3	1837	-1451466	2	-1644949	47.6	93.4	0	+∞	Si
125	-1423122	3	-1597409	46.2	124.5	1449.8	1837	-1323982	2	-1491732	43.1	93.4	0	+∞	Si
147	-1312664	3	-1458952	42.2	124.5	1324.1	1837	-1216564	2	-1358579	39.3	93.4	0	+∞	Si
170	-1224037	3	-1342327	38.8	124.5	1218.3	1837	-1129211	2	-1245492	36	93.4	0	+∞	Si
193	-1157640	2	-1247533	36.1	124.5	1132.2	1837	-1061924	2	-1152471	33.3	93.4	0	+∞	Si
215	-1113324	2	-1174785	34	124.5	1066.2	1837	-1014702	2	-1079515	31.2	93.4	0	+∞	Si
238	-1090839	2	-1124301	32.5	124.5	1020.4	1837	-987545	2	-1026625	29.7	93.4	0	+∞	Si
261	-1090184	2	-1121970	32.4	124.5	1018.3	1837	-980454	2	-1001346	28.9	93.4	0	+∞	Si
272	-1098044	2	-1143828	31.4	124.5	890.2	1837	-984433	2	-1018192	28	93.4	0	+∞	Si
295	-1130137	2	-1184578	31.6	124.5	844.9	1837	-1007441	2	-1050941	28	93.4	0	+∞	Si
317	-1184578	2	-1184578	30.8	124.5	779.6	1837	-1050941	2	-1050941	27.3	93.4	0	+∞	Si
340	-1259816	2	-1216839	31.6	124.5	800.8	1837	-1113652	2	-1077372	28	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.012	-0.015	-0.014	-0.019	-0.012	-0.014	-0.014	-0.017	-0.012	-0.014	-0.032	1	-0.038	1	9999	Si
45	-0.022	-0.026	-0.024	-0.034	-0.022	-0.025	-0.024	-0.031	-0.022	-0.025	-0.059	1	-0.07	1	5808	Si
68	-0.029	-0.036	-0.032	-0.045	-0.029	-0.034	-0.032	-0.041	-0.029	-0.033	-0.078	1	-0.094	1	4338	Si
91	-0.035	-0.042	-0.037	-0.053	-0.035	-0.04	-0.037	-0.047	-0.035	-0.039	-0.092	1	-0.111	1	3690	Si
102	-0.037	-0.045	-0.039	-0.055	-0.037	-0.042	-0.039	-0.05	-0.037	-0.042	-0.097	1	-0.117	1	3511	Si
125	-0.039	-0.048	-0.041	-0.058	-0.039	-0.046	-0.041	-0.052	-0.039	-0.045	-0.102	1	-0.125	1	3325	Si
147	-0.04	-0.05	-0.041	-0.059	-0.04	-0.047	-0.041	-0.053	-0.04	-0.046	-0.103	1	-0.127	1	3298	Si
170	-0.04	-0.05	-0.04	-0.057	-0.04	-0.047	-0.04	-0.051	-0.04	-0.046	-0.101	1	-0.124	1	3382	Si
193	-0.038	-0.048	-0.038	-0.054	-0.038	-0.045	-0.038	-0.049	-0.038	-0.044	-0.095	1	-0.117	1	3574	Si
215	-0.035	-0.045	-0.035	-0.049	-0.036	-0.042	-0.035	-0.044	-0.036	-0.041	-0.087	1	-0.107	1	3905	Si
238	-0.031	-0.04	-0.031	-0.043	-0.032	-0.037	-0.031	-0.039	-0.032	-0.036	-0.077	1	-0.094	1	4444	Si
261	-0.026	-0.033	-0.026	-0.036	-0.026	-0.031	-0.026	-0.033	-0.026	-0.031	-0.064	1	-0.078	1	5352	Si
272	-0.023	-0.03	-0.023	-0.032	-0.023	-0.028	-0.023	-0.029	-0.023	-0.027	-0.056	1	-0.069	1	6053	Si
295	-0.017	-0.021	-0.016	-0.023	-0.017	-0.02	-0.016	-0.02	-0.017	-0.019	-0.04	1	-0.049	1	8559	Si
317	-0.009	-0.011	-0.009	-0.012	-0.009	-0.011	-0.009	-0.011	-0.009	-0.01	-0.021	1	-0.026	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	9172	18435	28344	SLV 1	0.38	783	1.04	-2057240	-2103676	-3671293	SLV 1	0.28	384	0.776	No
45	8280	18435	28344	SLV 1	0.39	875	1.088	-2057240	-2103676	-3289993	SLV 1	0.22	213	0.61	No
68	7395	18435	28344	SLV 1	0.41	972	1.136	-1912399	-1863414	-2910957	SLV 1	0.2	176	0.564	No
91	6510	18435	28344	SLV 1	0.43	1084	1.188	-1729083	-1532012	-2323557	SLV 1	0.15	91	0.43	No
102	6067	18435	25601	SLV 1	0.38	819	1.059	-1644949	-1366354	-2323557	SLV 1	0.19	150	0.528	No
125	5182	18435	25601	SLV 1	0.4	913	1.107	-1491732	-1035194	-2323557	SLV 1	0.29	424	0.809	No
147	4296	18435	25601	SLV 1	0.42	1016	1.157	-1358579	-704495	-2323557	SLV 1	0.49	1594	1.392	Si
170	3411	18435	25601	SLV 1	0.43	1131	1.209	-1047166	-484739	-2323557	SLV 13	0.57	2474	1.666	Si
193	2526	18435	25601	SLV 1	0.45	1255	1.262	-1005613	-814665	-2323557	SLV 13	0.57	2474	1.666	Si
215	1641	18435	25601	SLV 1	0.47	1386	1.314	-984125	-1145596	-2323557	SLV 13	0.42	1048	1.172	Si
238	755	18435	25601	SLV 1	0.48	1527	1.367	-982703	-1476844	-2323557	SLV 13	0.33	563	0.908	No
261	-130	-18435	-21675	SLV 15	0.42	1047	1.171	-1001346	-1808234	-2323557	SLV 13	0.27	346	0.744	No
272	-572	-18435	-21675	SLV 15	0.41	991	1.145	-1018192	-1973959	-2715544	SLV 13	0.31	494	0.861	No
295	-1458	-18435	-21675	SLV 15	0.4	891	1.096	-1050941	-2214235	-2968018	SLV 13	0.32	502	0.867	No
317	-2349	-18435	-21675	SLV 15	0.38	798	1.048	-1050941	-2214235	-3221991	SLV 13	0.36	678	0.98	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	9172	6475	28344	SLD 1	0.4	891	2.759	-2057240	-930954	-3671293	SLD 1	0.24	261	1.667	Si
45	8280	6475	28344	SLD 1	0.42	998	2.89	-2057240	-930954	-3289993	SLD 1	0.18	146	1.314	Si
68	7395	6475	28344	SLD 1	0.43	1122	3.032	-1912399	-824629	-2910957	SLD 1	0.17	122	1.221	Si
91	6510	6475	28344	SLD 1	0.45	1251	3.17	-1729083	-677970	-2323557	SLD 1	0.12	64	0.937	No
102	6067	6475	25601	SLD 1	0.4	932	2.81	-1644949	-604660	-2323557	SLD 1	0.16	104	1.143	Si
125	5182	6475	25601	SLD 1	0.42	1046	2.946	-1491732	-458108	-2323557	SLD 1	0.25	288	1.736	Si
147	4296	6475	25601	SLD 1	0.44	1173	3.088	-1358579	-311759	-2323557	SLD 1	0.42	994	2.885	Si
170	3411	6475	25601	SLD 1	0.46	1306	3.227	-1047166	-214513	-2323557	SLD 13	0.6	2474	4.193	Si
193	2526	6475	25601	SLD 1	0.47	1449	3.367	-1005613	-360521	-2323557	SLD 13	0.49	1550	3.461	Si
215	1641	6475	25601	SLD 1	0.49	1601	3.508	-984125	-506972	-2323557	SLD 13	0.36	675	2.462	Si
238	755	6475	25601	SLD 1	0.51	1765	3.651	-982703	-653562	-2323557	SLD 13	0.28	377	1.939	Si
261	-130	-6475	-21675	SLD 15	0.44	1209	3.126	-1001346	-800216	-2323557	SLD 13	0.23	235	1.597	Si
272	-572	-6475	-21675	SLD 15	0.44	1144	3.056	-1018192	-873556	-2715544	SLD 13	0.27	334	1.845	Si
295	-1458	-6475	-21675	SLD 15	0.42	1018	2.913	-1050941	-979887	-2968018	SLD 13	0.27	340	1.858	Si
317	-2349	-6475	-21675	SLD 15	0.4	908	2.78	-1050941	-979887	-3221991	SLD 13	0.3	446	2.077	Si

Campata 3 tra i fili 59 - 60, sezione R 45x70, asta 793

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	11.4	5.4						-2983744	SLU 29	-2706041	-3221991	0.114	Si
23	26.61	5.4	11.4	5.4						-2441026	SLU 29	-2441026	-3221991	0.114	Si
51	22.53	5.4	11.4	5.4						-1783972	SLU 29	-2441026	-2740707	0.104	Si
103	15.21	5.4	11.4	5.4						-737912	SLU 29	-1313628	-1873055	0.09	Si
154	10.74	5.4	11.4	5.4	159638	SLU 36	589874	1422094	0.084	111442	SLU 1	-334232	-1343867	0.082	Si
180	7.6	5.4	11.4	5.4	543478	SLU 30	934683	1422093	0.084						Si
231	7.6	5.4	11.4	5.4	1204859	SLU 30	1509139	1422093	0.084						No
282	7.6	5.4	11.4	5.4	1712824	SLU 29	1930164	1422093	0.084						No
334	7.6	5.4	11.4	5.4	2067185	SLU 29	2197478	1422093	0.084						No
385	7.6	5.4	11.4	5.4	2267834	SLU 29	2311081	1422093	0.084						No
411	7.6	5.4	11.4	5.4	2310517	SLU 29	2314772	1422093	0.084						No
436	7.6	5.4	11.4	5.4	2314772	SLU 29	2314772	1422093	0.084						No
488	7.6	5.4	11.4	5.4	2207999	SLU 29	2285130	1422093	0.084						No
539	7.6	5.4	11.4	5.4	1947514	SLU 29	2111692	1422093	0.084						No
565	7.6	5.4	11.4	5.4	1759630	SLU 29	1967332	1422093	0.084						No
616	7.6	5.4	11.4	5.4	1268579	SLU 29	1563327	1422093	0.084						No
667	21.43	5.4	11.4	5.4	623817	SLU 29	1005611	1422107	0.084						Si
719	22.81	5.4	11.4	5.4	-112563	SLU 1	294184	1422107	0.084	-188073	SLU 36	-602796	-2773209	0.105	Si
742	22.81	5.4	11.4	5.4						-602796	SLU 30	-602796	-2773209	0.105	Si
770	22.81	5.4	11.4	5.4						-1130839	SLU 30	-856482	-2773209	0.105	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	11.4	5.4						-3653536	SLV 3	-3416438	-3221991	0.114	No
23	26.61	5.4	11.4	5.4	-48158	SLV 13	260493	1422107	0.084	-3187473	SLV 3	-3187473	-3221991	0.114	Si
51	22.53	5.4	11.4	5.4	258240	SLV 13	531522	1422107	0.084	-2616017	SLV 3	-3187473	-2740707	0.104	No
103	15.21	5.4	11.4	5.4	721197	SLV 13	936505	1422107	0.084	-1681765	SLV 3	-2199624	-1873055	0.09	No
154	10.74	5.4	11.4	5.4	1081850	SLV 13	1239459	1422094	0.084	-851034	SLV 3	-1310230	-1343867	0.082	Si
180	7.6	5.4	11.4	5.4	1223970	SLV 15	1352950	1422093	0.084	-474648	SLV 1	-904392	-970824	0.078	Si
231	7.6	5.4	11.4	5.4	1432533	SLV 15	1505452	1422093	0.084	199429	SLV 1	-170854	-970824	0.078	No
282	7.6	5.4	11.4	5.4	1543222	SLV 15	1567089	1422093	0.084						No
334	7.6	5.4	11.4	5.4	1575805	SLV 15	1604571	1422093	0.084						No
385	7.6	5.4	11.4	5.4	1695891	SLV 3	1828923	1422093	0.084						No
436	7.6	5.4	11.4	5.4	1923288	SLV 3	2020452	1422093	0.084						No
488	7.6	5.4	11.4	5.4	2076988	SLV 3	2119754	1422093	0.084						No
513	7.6	5.4	11.4	5.4	2117675	SLV 3	2133352	1422093	0.084						No
539	7.6	5.4	11.4	5.4	2133352	SLV 3	2133352	1422093	0.084						No
565	7.6	5.4	11.4	5.4	2123753	SLV 3	2133352	1422093	0.084	228332	SLV 13	-80661	-970824	0.078	No
616	7.6	5.4	11.4	5.4	2028191	SLV 3	2093374	1422093	0.084	-337171	SLV 13	-704848	-970824	0.078	No
667	21.43	5.4	11.4	5.4	1830355	SLV 3	1953497	1422107	0.084	-1006227	SLV 13	-1432412	-2610142	0.102	No
719	22.81	5.4	11.4	5.4	1529972	SLV 3	1711206	1422107	0.084	-1778564	SLV 13	-2173070	-2773209	0.105	No
742	22.81	5.4	11.4	5.4	1354757	SLV 3	1563232	1422107	0.084	-2173070	SLV 13	-2173070	-2773209	0.105	No
770	22.81	5.4	11.4	5.4	1126976	SLV 3	1126976	1422107	0.084	-2653971	SLV 13	-2406773	-2773209	0.105	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	11.4	5.4						-2720793	SLD 3	-2512437	-3221991	0.114	Si
23	26.61	5.4	11.4	5.4						-2312415	SLD 3	-2312415	-3221991	0.114	Si
51	22.53	5.4	11.4	5.4						-1814845	SLD 3	-2312415	-2740707	0.104	Si
103	15.21	5.4	11.4	5.4	51399	SLD 13	340960	1422107	0.084	-1011966	SLD 3	-1455455	-1873055	0.09	Si
154	10.74	5.4	11.4	5.4	543085	SLD 13	774623	1422094	0.084	-312269	SLD 3	-697310	-1343867	0.082	Si
180	7.6	5.4	11.4	5.4	750506	SLD 15	953129	1422093	0.084	-1184	SLD 1	-356947	-970824	0.078	Si
231	7.6	5.4	11.4	5.4	1088829	SLD 15	1234151	1422093	0.084						Si
282	7.6	5.4	11.4	5.4	1326462	SLD 15	1417578	1422093	0.084						Si
334	7.6	5.4	11.4	5.4	1472134	SLD 15	1528948	1422093	0.084						No
385	7.6	5.4	11.4	5.4	1599126	SLD 3	1673587	1422093	0.084						No
436	7.6	5.4	11.4	5.4	1716301	SLD 3	1742395	1422093	0.084						No
462	7.6	5.4	11.4	5.4	1742229	SLD 3	1743483	1422093	0.084						No
488	7.6	5.4	11.4	5.4	1743483	SLD 3	1743483	1422093	0.084						No
539	7.6	5.4	11.4	5.4	1670216	SLD 3	1722728	1422093	0.084						No
565	7.6	5.4	11.4	5.4	1595348	SLD 3	1676758	1422093	0.084						No
616	7.6	5.4	11.4	5.4	1368790	SLD 3	1508208	1422093	0.084						No
667	21.43	5.4	11.4	5.4	1039601	SLD 3	1237157	1422107	0.084	-215474	SLD 13	-567174	-2610142	0.102	Si
719	22.81	5.4	11.4	5.4	607660	SLD 3	863413	1422107	0.084	-856253	SLD 13	-1189631	-2773209	0.105	Si
742	22.81	5.4	11.4	5.4	371318	SLD 3	654345	1422107	0.084	-1189631	SLD 13	-1189631	-2773209	0.105	Si
770	22.81	5.4	11.4	5.4	72979	SLD 3	72979	1422107	0.084	-1599974	SLD 13	-1387958	-2773209	0.105	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	24869	SLU 29	24869	12021	76908	0	12021	1	Si
23	0.215	15.21	0	23557	SLU 29	23557	12021	76908	25009	25009	1	Si
51	0.215	13.16	0	21875	SLU 29	21875	11457	76908	25009	25009	1	Si
103	0.168	7.6	0	18881	SLU 29	18881	9541	76908	19519	19519	1	Si
154	0.168	11.4	0	15886	SLU 29	15886	10922	76908	19519	19519	1	Si
180	0.168	11.4	0	14389	SLU 29	14389	10922	76908	19519	19519	1	Si
231	0.168	11.4	0	11395	SLU 29	11395	10922	76908	19519	19519	1	Si
282	0.168	11.4	0	8400	SLU 29	8400	10922	76908	19519	19519	1	Si
334	0.168	11.4	0	5406	SLU 29	5406	10922	76908	19519	19519	1	Si
385	0.168	11.4	0	2412	SLU 29	2412	10922	76908	19519	19519	1	Si
436	0.168	11.4	0	-616	SLU 36	-616	-10922	-76908	-19519	-19519	1	Si
488	0.168	11.4	0	-3585	SLU 30	-3585	-10922	-76908	-19519	-19519	1	Si
539	0.168	11.4	0	-6579	SLU 30	-6579	-10922	-76908	-19519	-19519	1	Si
565	0.168	11.4	0	-8077	SLU 30	-8077	-10922	-76908	-19519	-19519	1	Si
616	0.168	11.4	0	-11071	SLU 30	-11071	-10922	-76908	-19519	-19519	1	Si
667	0.168	11.4	0	-14065	SLU 30	-14065	-10922	-76908	-19519	-19519	1	Si
719	0.172	16.59	0	-17060	SLU 30	-17060	-12375	-76908	-20007	-20007	1	Si
742	0.172	21.43	0	-18450	SLU 30	-18450	-13477	-76908	-20007	-20007	1	Si
770	0	22.81	0	-19950	SLU 30	-19950	-13761	-76908	0	-13761	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	21231	SLV 3	22431	12021	76908	0	12021	1	Si
23	0.215	15.21	0	20352	SLV 3	21552	12021	76908	25009	25009	1	Si
51	0.215	13.16	0	19226	SLV 3	20426	11457	76908	25009	25009	1	Si
103	0.168	7.6	0	17222	SLV 3	18421	9541	76908	19519	19519	1	Si
154	0.168	7.6	0	15217	SLV 3	16417	9541	76908	19519	19519	1	Si
180	0.168	7.6	0	14214	SLV 3	15414	9541	76908	19519	19519	1	Si
231	0.168	11.4	0	12210	SLV 3	13409	10922	76908	19519	19519	1	Si
282	0.168	11.4	0	10205	SLV 3	11405	10922	76908	19519	19519	1	Si
282	0.168	11.4	0	975	SLV 13	-225	-10922	-76908	-19519	-19519	1	Si
334	0.168	11.4	0	8200	SLV 3	9400	10922	76908	19519	19519	1	Si
334	0.168	11.4	0	-1030	SLV 13	-2230	-10922	-76908	-19519	-19519	1	Si
385	0.168	11.4	0	6195	SLV 3	7395	10922	76908	19519	19519	1	Si
385	0.168	11.4	0	-3034	SLV 13	-4234	-10922	-76908	-19519	-19519	1	Si
436	0.168	11.4	0	4190	SLV 3	5390	10922	76908	19519	19519	1	Si
436	0.168	11.4	0	-5039	SLV 13	-6239	-10922	-76908	-19519	-19519	1	Si
488	0.168	11.4	0	2185	SLV 3	3385	10922	76908	19519	19519	1	Si
488	0.168	11.4	0	-7044	SLV 13	-8244	-10922	-76908	-19519	-19519	1	Si
539	0.168	11.4	0	181	SLV 3	1381	10922	76908	19519	19519	1	Si
539	0.168	11.4	0	-9049	SLV 13	-10249	-10922	-76908	-19519	-19519	1	Si
565	0.168	11.4	0	-822	SLV 3	378	10922	76908	19519	19519	1	Si
565	0.168	11.4	0	-10051	SLV 13	-11251	-10922	-76908	-19519	-19519	1	Si
616	0.168	7.6	0	-12056	SLV 13	-13256	-9541	-76908	-19519	-19519	1	Si
667	0.168	7.6	0	-14061	SLV 13	-15261	-9541	-76908	-19519	-19519	1	Si
719	0.172	16.59	0	-16066	SLV 13	-17266	-12375	-76908	-20007	-20007	1	Si
742	0.172	21.43	0	-16997	SLV 13	-18196	-13477	-76908	-20007	-20007	1	Si
770	0	22.81	0	-18003	SLV 13	-19203	-13761	-76908	0	-13761	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	18658	SLD 3	18658	12021	76908	0	12021	1	Si
23	0.215	15.21	0	17780	SLD 3	17780	12021	76908	25009	25009	1	Si
51	0.215	13.16	0	16654	SLD 3	16654	11457	76908	25009	25009	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
103	0.168	7.6	0	14649	SLD 3	14649	9541	76908	19519	19519	1	Si
154	0.168	7.6	0	12644	SLD 3	12644	9541	76908	19519	19519	1	Si
180	0.168	11.4	0	11642	SLD 3	11642	10922	76908	19519	19519	1	Si
231	0.168	11.4	0	9637	SLD 3	9637	10922	76908	19519	19519	1	Si
282	0.168	11.4	0	7632	SLD 3	7632	10922	76908	19519	19519	1	Si
334	0.168	11.4	0	5627	SLD 3	5627	10922	76908	19519	19519	1	Si
385	0.168	11.4	0	3622	SLD 3	3622	10922	76908	19519	19519	1	Si
385	0.168	11.4	0	-462	SLD 13	-462	-10922	-76908	-19519	-19519	1	Si
436	0.168	11.4	0	1618	SLD 3	1618	10922	76908	19519	19519	1	Si
436	0.168	11.4	0	-2467	SLD 13	-2467	-10922	-76908	-19519	-19519	1	Si
488	0.168	11.4	0	-4471	SLD 13	-4471	-10922	-76908	-19519	-19519	1	Si
539	0.168	11.4	0	-6476	SLD 13	-6476	-10922	-76908	-19519	-19519	1	Si
565	0.168	11.4	0	-7479	SLD 13	-7479	-10922	-76908	-19519	-19519	1	Si
616	0.168	11.4	0	-9483	SLD 13	-9483	-10922	-76908	-19519	-19519	1	Si
667	0.168	7.6	0	-11488	SLD 13	-11488	-9541	-76908	-19519	-19519	1	Si
719	0.172	16.59	0	-13493	SLD 13	-13493	-12375	-76908	-20007	-20007	1	Si
742	0.172	21.43	0	-14424	SLD 13	-14424	-13477	-76908	-20007	-20007	1	Si
770	0	22.81	0	-15431	SLD 13	-15431	-13761	-76908	0	-13761	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-2167492	2	-1965320	51.1	124.5	1293.5	1837	-1980408	2	-1794864	46.7	93.4	0	+∞	Si
23	-1772389	2	-1772389	46.1	124.5	1166.5	1837	-1617815	2	-1617815	42.1	93.4	0	+∞	Si
51	-1294064	2	-1772389	48.5	124.5	1366.9	1837	-1178889	2	-1617815	44.3	93.4	0	+∞	Si
103	-532607	2	-951679	29.6	124.5	1070.2	1837	-480284	2	-864744	26.9	93.4	0	+∞	Si
154	120349	9	433738	15.1	124.5	644.1	1837	115408	2	405625	14.1	93.4	0	+∞	Si
180	399975	3	684655	24.9	124.5	1019.4	1837	374661	2	635738	23.1	93.4	0	+∞	Si
231	881240	3	1102594	40	124.5	1641.7	1837	815981	2	1018779	37	93.4	0	+∞	Si
282	1250734	2	1408749	51.1	124.5	2097.5	1837	1154388	2	1298906	47.2	93.4	0	+∞	Si
334	1508327	2	1602934	58.2	124.5	2386.6	1837	1389881	2	1476119	53.6	93.4	0	+∞	Si
385	1653951	2	1685150	61.2	124.5	2509	1837	1522461	2	1550419	56.3	93.4	0	+∞	Si
411	1684775	2	1687605	61.3	124.5	2512.7	1837	1550158	2	1552126	56.3	93.4	0	+∞	Si
436	1687605	2	1687605	61.3	124.5	2512.7	1837	1552126	2	1552126	56.3	93.4	0	+∞	Si
488	1609290	2	1665780	60.5	124.5	2480.2	1837	1478878	2	1531517	55.6	93.4	0	+∞	Si
539	1419005	2	1538903	55.9	124.5	2291.3	1837	1302716	2	1413635	51.3	93.4	0	+∞	Si
565	1281873	2	1433476	52	124.5	2134.3	1837	1176043	2	1316101	47.8	93.4	0	+∞	Si
616	923633	2	1138644	41.3	124.5	1695.3	1837	845510	2	1043849	37.9	93.4	0	+∞	Si
667	453423	2	731843	22.3	124.5	1080.6	1837	412064	2	668682	20.4	93.4	0	+∞	Si
719	-137701	9	-440641	12	124.5	335.9	1837	-124296	2	-409157	11.2	93.4	0	+∞	Si
742	-440641	3	-440641	12	124.5	335.9	1837	-409157	2	-409157	11.2	93.4	0	+∞	Si
770	-825566	3	-625574	17.1	124.5	476.9	1837	-763497	2	-579406	15.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.011	0.009	0.018	0.011	0.011	0.009	0.016	0.011	0.011	0.009	0.044	2	0.036	2	9999	Si
51	0.029	0.024	0.046	0.028	0.027	0.024	0.04	0.028	0.027	0.024	0.11	2	0.089	2	7010	Si
103	0.067	0.054	0.103	0.062	0.063	0.054	0.09	0.062	0.062	0.054	0.241	2	0.195	2	3191	Si
154	0.108	0.087	0.163	0.099	0.102	0.087	0.142	0.1	0.1	0.087	0.38	2	0.307	2	2024	Si
180	0.128	0.104	0.193	0.118	0.121	0.104	0.169	0.118	0.119	0.104	0.45	2	0.363	2	1711	Si
231	0.167	0.134	0.251	0.153	0.157	0.134	0.219	0.153	0.154	0.134	0.583	2	0.469	2	1320	Si
282	0.198	0.159	0.303	0.183	0.187	0.16	0.264	0.184	0.183	0.16	0.703	2	0.564	2	1096	Si
334	0.221	0.177	0.343	0.206	0.208	0.178	0.299	0.207	0.204	0.178	0.793	2	0.635	2	970	Si
385	0.233	0.186	0.366	0.219	0.219	0.187	0.318	0.22	0.214	0.187	0.843	2	0.674	2	914	Si
411	0.234	0.187	0.37	0.221	0.22	0.188	0.321	0.222	0.216	0.188	0.85	2	0.679	2	906	Si
436	0.233	0.186	0.367	0.219	0.219	0.187	0.319	0.22	0.214	0.187	0.844	2	0.673	2	912	Si
488	0.22	0.176	0.345	0.206	0.207	0.176	0.3	0.207	0.203	0.176	0.796	2	0.633	2	968	Si
539	0.196	0.156	0.303	0.181	0.185	0.157	0.263	0.182	0.181	0.157	0.702	2	0.557	2	1097	Si
565	0.18	0.144	0.275	0.164	0.17	0.144	0.239	0.166	0.166	0.144	0.64	2	0.507	2	1203	Si
616	0.142	0.113	0.212	0.128	0.133	0.113	0.185	0.129	0.13	0.113	0.495	2	0.391	2	1557	Si
667	0.096	0.077	0.143	0.086	0.091	0.077	0.125	0.087	0.089	0.077	0.333	2	0.264	2	2312	Si
719	0.048	0.038	0.071	0.043	0.045	0.038	0.062	0.043	0.044	0.038	0.166	2	0.131	2	4650	Si
742	0.025	0.02	0.038	0.023	0.023	0.02	0.033	0.023	0.023	0.02	0.088	2	0.069	2	8755	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	15738	5815	25009	SLV 3	0.57	2394	1.644	-1617815	-1569657	-3221991	SLV 3	0.37	750	1.022	Si
51	14612	5815	25009	SLV 3	0.57	2474	1.666	-1617815	-1569657	-2740707	SLV 3	0.26	329	0.729	No
103	12607	5815	19519	SLV 3	0.43	1095	1.193	-864744	-1334880	-1873055	SLV 3	0.28	371	0.765	No
154	10602	5815	19519	SLV 3	0.55	2157	1.575	-210773	-1099457	-1343867	SLV 3	0.37	766	1.03	Si
180	9600	5815	19519	SLV 3	0.57	2474	1.666	77620	-982011	-970824	SLV 3	0.39	835	1.068	Si
231	7595	5815	19519	SLV 3	0.57	2474	1.666	1018779	486673	1422093	SLV 15	0.3	454	0.832	No
282	5590	5815	19519	SLV 3	0.57	2474	1.666	1298906	268183	1422093	SLV 15	0.17	128	0.495	No
334	3585	5815	19519	SLV 3	0.57	2474	1.666	1476119	-96347	1422093	SLV 1	0	0	0	No
385	1580	5815	19519	SLV 3	0.57	2474	1.666	1550419	257952	1422093	SLV 1	0	0	0	No
436	-425	-5815	-19519	SLV 13	0.57	2474	1.666	1521805	464568	1422093	SLV 1	0	0	0	No
488	-2429	-5815	-19519	SLV 13	0.57	2474	1.666	1531517	436297	1422093	SLV 1	0	0	0	No
539	-4434	-5815	-19519	SLV 13	0.57	2474	1.666	1413635	698645	1422093	SLV 3	0	0	0	No
565	-5437	-5815	-19519	SLV 13	0.57	2474	1.666	1302716	830636	1422093	SLV 3	0.05	13	0.194	No
616	-7441	-5815	-19519	SLV 13	0.57	2474	1.666	1043849	1049525	1422093	SLV 3	0.14	79	0.406	No
667	-9446	-5815	-19519	SLV 13	0.57	2474	1.666	668682	1284815	1422107	SLV 3	0.22	214	0.611	No
719	-11451	-5815	-20007	SLV 13	0.53	1931	1.505	190602	1520604	1422107	SLV 3	0.3	432	0.815	No
742	-12382	-5815	-20007	SLV 13	0.47	1420	1.327	-409157	1763913	1422107	SLV 3	0.38	779	1.038	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	15738	2042	25009	SLD 3	0.6	2474	4.193	-1617815	-694600	-3221991	SLD 3	0.31	488	2.155	Si
51	14612	2042	25009	SLD 3	0.6	2474	4.193	-1617815	-694600	-2740707	SLD 3	0.22	223	1.563	Si
103	12607	2042	19519	SLD 3	0.45	1264	3.184	-864744	-590711	-1873055	SLD 3	0.24	252	1.644	Si
154	10602	2042	19519	SLD 3	0.57	2474	4.193	-210773	-486537	-1343867	SLD 3	0.32	498	2.173	Si
180	9600	2042	19519	SLD 3	0.6	2474	4.193	77620	-434567	-970824	SLD 3	0.33	542	2.25	Si
231	7595	2042	19519	SLD 3	0.6	2474	4.193	1018779	215372	1422093	SLD 15	0.26	308	1.785	Si
282	5590	2042	19519	SLD 3	0.6	2474	4.193	1298906	118672	1422093	SLD 15	0.15	89	1.073	Si
334	3585	2042	19519	SLD 3	0.6	2474	4.193	1476119	-42590	1422093	SLD 1	0	0	0	No

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
385	1580	2042	19519	SLD 3	0.6	2474	4.193	1550419	114075	1422093	SLD 1	0	0	0	No
436	-425	-2042	-19519	SLD 13	0.6	2474	4.193	1528367	199189	1422093	SLD 1	0	0	0	No
488	-2429	-2042	-19519	SLD 13	0.6	2474	4.193	1528367	199189	1422093	SLD 1	0	0	0	No
539	-4434	-2042	-19519	SLD 13	0.6	2474	4.193	1413635	309093	1422093	SLD 3	0	0	0	No
565	-5437	-2042	-19519	SLD 13	0.6	2474	4.193	1316101	360657	1422093	SLD 3	0.04	6	0.355	No
616	-7441	-2042	-19519	SLD 13	0.6	2474	4.193	1043849	464359	1422093	SLD 3	0.12	56	0.887	No
667	-9446	-2042	-19519	SLD 13	0.6	2474	4.193	668682	568474	1422107	SLD 3	0.19	147	1.318	Si
719	-11451	-2042	-20007	SLD 13	0.55	2234	4.021	190602	672811	1422107	SLD 3	0.25	293	1.748	Si
742	-12382	-2042	-20007	SLD 13	0.5	1641	3.543	-409157	780474	1422107	SLD 3	0.32	507	2.189	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 60A-49A

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 60A - 57A, sezione R 45x70, asta 766

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	11.4	5.4						-933565	SLU 30	-832062	-2773209	0.105	Si
19	22.81	5.4	11.4	5.4						-762392	SLU 30	-760260	-2773209	0.105	Si
23	22.81	5.4	11.4	5.4						-733043	SLU 30	-733043	-2773209	0.105	Si
38	22.81	5.4	11.4	5.4						-594978	SLU 30	-733043	-2773209	0.105	Si
57	22.81	5.4	11.4	5.4						-431323	SLU 30	-681117	-2773209	0.105	Si
77	22.59	5.4	11.4	5.4						-271425	SLU 30	-515517	-2747167	0.105	Si
86	20.78	5.4	11.4	5.4	-112239	SLU 1	40019	1422107	0.084	-192885	SLU 30	-434127	-2533582	0.101	Si
105	17.17	5.4	11.4	5.4	-20929	SLU 1	188411	1422107	0.084	-38625	SLU 30	-274164	-2105800	0.093	Si
125	13.56	5.4	11.4	5.4	112143	SLU 29	333045	1422094	0.084	66343	SLU 8	-117960	-1677516	0.087	Si
144	7.6	5.4	11.4	5.4	258720	SLU 29	474074	1422093	0.084						Si
163	7.6	5.4	11.4	5.4	401607	SLU 30	611358	1422093	0.084						Si
182	7.6	5.4	11.4	5.4	540835	SLU 30	744883	1422093	0.084						Si
201	9.45	5.4	11.4	5.4	676304	SLU 30	874651	1422093	0.084						Si
211	9.9	5.4	11.4	5.4	742630	SLU 30	938125	1422093	0.084						Si
230	10.81	5.4	13.63	5.4	872462	SLU 30	1062255	1686711	0.087						Si
249	11.4	5.4	14.92	5.4	998536	SLU 30	1099692	1839686	0.089						Si
265	11.4	5.4	15.21	5.4	1099692	SLU 30	1099692	1873055	0.09						Si
268	11.4	5.4	15.21	5.4	1120852	SLU 30	1119235	1873055	0.09						Si
287	11.4	5.4	15.21	5.4	1239409	SLU 30	1170793	1873055	0.09						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	11.4	5.4	1446989	SLV 7	1392094	1422107	0.084	-2732247	SLV 9	-2536396	-2773209	0.105	Si
19	22.81	5.4	11.4	5.4	1352037	SLV 7	1350774	1422107	0.084	-2399845	SLV 9	-2395636	-2773209	0.105	Si
23	22.81	5.4	11.4	5.4	1335112	SLV 7	1335112	1422107	0.084	-2342281	SLV 9	-2342281	-2773209	0.105	Si
38	22.81	5.4	11.4	5.4	1254243	SLV 7	1335112	1422107	0.084	-2070383	SLV 9	-2342281	-2773209	0.105	Si
57	22.81	5.4	11.4	5.4	1153635	SLV 7	1305167	1422107	0.084	-1743888	SLV 9	-2240436	-2773209	0.105	Si
77	22.59	5.4	11.4	5.4	1050271	SLV 7	1206010	1422107	0.084	-1420420	SLV 9	-1912402	-2747167	0.105	Si
86	20.78	5.4	11.4	5.4	997592	SLV 7	1155381	1422107	0.084	-1259856	SLV 9	-1749502	-2533582	0.101	Si
105	17.17	5.4	11.4	5.4	890405	SLV 7	1052064	1422107	0.084	-941238	SLV 9	-1425981	-2105800	0.093	Si
125	13.56	5.4	11.4	5.4	781462	SLV 7	946122	1422094	0.084	-626645	SLV 9	-1105617	-1677516	0.087	Si
144	7.6	5.4	11.4	5.4	674345	SLV 7	837931	1422093	0.084	-319659	SLV 9	-788785	-970824	0.078	Si
163	7.6	5.4	11.4	5.4	580381	SLV 11	729010	1422093	0.084	-31609	SLV 5	-477005	-970824	0.078	Si
182	7.6	5.4	11.4	5.4	518061	SLV 15	781694	1422093	0.084	219015	SLV 1	-176604	-970824	0.078	Si
201	9.45	5.4	11.4	5.4	673529	SLV 13	1075639	1422093	0.084						Si
211	9.9	5.4	11.4	5.4	778100	SLV 13	1224674	1422093	0.084						Si
230	10.81	5.4	13.63	5.4	1070501	SLV 9	1520708	1686711	0.087	112041	SLV 7	-85460	-1351127	0.083	Si
249	11.4	5.4	14.92	5.4	1367944	SLV 9	1611388	1839686	0.089	-17334	SLV 7	-126531	-1422107	0.084	Si
265	11.4	5.4	15.21	5.4	1611388	SLV 9	1611388	1873055	0.09	-126531	SLV 7	-126531	-1422107	0.084	Si
268	11.4	5.4	15.21	5.4	1662641	SLV 9	1658840	1873055	0.09	-149744	SLV 7	-148095	-1422107	0.084	Si
287	11.4	5.4	15.21	5.4	1954524	SLV 9	1784027	1873055	0.09	-285123	SLV 7	-204987	-1422107	0.084	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	11.4	5.4	282038	SLD 7	282038	1422107	0.084	-1567296	SLD 9	-1441340	-2773209	0.105	Si
19	22.81	5.4	11.4	5.4	306210	SLD 7	306210	1422107	0.084	-1354018	SLD 9	-1351335	-2773209	0.105	Si
23	22.81	5.4	11.4	5.4	310049	SLD 7	340489	1422107	0.084	-1317218	SLD 9	-1317218	-2773209	0.105	Si
38	22.81	5.4	11.4	5.4	327513	SLD 7	354375	1422107	0.084	-1143653	SLD 9	-1317218	-2773209	0.105	Si
57	22.81	5.4	11.4	5.4	345959	SLD 7	368545	1422107	0.084	-936212	SLD 9	-1252109	-2773209	0.105	Si
77	22.59	5.4	11.4	5.4	361574	SLD 7	380007	1422107	0.084	-731722	SLD 9	-1043153	-2747167	0.105	Si
86	20.78	5.4	11.4	5.4	368335	SLD 7	384804	1422107	0.084	-630600	SLD 9	-939775	-2533582	0.101	Si
105	17.17	5.4	11.4	5.4	379841	SLD 7	393125	1422107	0.084	-430674	SLD 9	-735234	-2105800	0.093	Si
125	13.56	5.4	11.4	5.4	388958	SLD 7	403041	1422094	0.084	-234141	SLD 9	-533701	-1677516	0.087	Si
144	7.6	5.4	11.4	5.4	397272	SLD 7	417631	1422093	0.084	-42586	SLD 9	-335344	-970824	0.078	Si
163	7.6	5.4	11.4	5.4	409794	SLD 11	485133	1422093	0.084	138977	SLD 5	-140834	-970824	0.078	Si
182	7.6	5.4	11.4	5.4	434703	SLD 15	627907	1422093	0.084						Si
201	9.45	5.4	11.4	5.4	554369	SLD 13	806419	1422093	0.084						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
211	9.9	5.4	11.4	5.4	625474	SLD 13	895979	1422093	0.084						Si
230	10.81	5.4	13.63	5.4	803331	SLD 9	1072991	1686711	0.087						Si
249	11.4	5.4	14.92	5.4	981800	SLD 9	1126945	1839686	0.089						Si
265	11.4	5.4	15.21	5.4	1126945	SLD 9	1126945	1873055	0.09						Si
268	11.4	5.4	15.21	5.4	1157441	SLD 9	1155159	1873055	0.09						Si
287	11.4	5.4	15.21	5.4	1330226	SLD 9	1229593	1873055	0.09						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	9032	SLU 30	9032	13761	76908	0	13761	1	Si
19	0	20.78	0	8836	SLU 30	8836	13340	76908	0	13340	1	Si
23	0.187	20.78	0	8802	SLU 30	8802	13340	76908	21675	21675	1	Si
38	0.187	17.17	0	8640	SLU 30	8640	12518	76908	21675	21675	1	Si
57	0.187	13.56	0	8444	SLU 30	8444	11570	76908	21675	21675	1	Si
77	0.187	7.6	0	8247	SLU 30	8247	9541	76908	21675	21675	1	Si
86	0.187	7.6	0	8149	SLU 30	8149	9541	76908	21675	21675	1	Si
105	0.177	7.6	0	7953	SLU 30	7953	9541	76908	20516	20516	1	Si
125	0.177	11.4	0	7757	SLU 30	7757	10922	76908	20516	20516	1	Si
144	0.177	11.4	0	7561	SLU 30	7561	10922	76908	20516	20516	1	Si
163	0.177	11.4	0	7365	SLU 30	7365	10922	76908	20516	20516	1	Si
182	0.177	11.4	0	7169	SLU 30	7169	10922	76908	20516	20516	1	Si
201	0.172	11.4	0	6972	SLU 30	6972	10922	76908	20007	20007	1	Si
211	0.172	11.4	0	6874	SLU 30	6874	10922	76908	20007	20007	1	Si
230	0.172	11.4	0	6678	SLU 30	6678	10922	76908	20007	20007	1	Si
249	0.172	11.4	0	6482	SLU 30	6482	10922	76908	20007	20007	1	Si
265	0.172	11.4	0	6320	SLU 30	6320	10922	76908	20007	20007	1	Si
268	0	11.4	0	6286	SLU 30	6286	10922	76908	0	10922	1	Si
287	0	12.99	0	6090	SLU 30	6090	11406	76908	0	11406	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	17432	SLV 9	20333	13761	76908	0	13761	1	Si
0	0	11.4	0	-4888	SLV 7	-7789	-10922	-76908	0	-10922	1	Si
19	0	20.78	0	17281	SLV 9	20182	13340	76908	0	13340	1	Si
19	0	11.4	0	-5039	SLV 7	-7940	-10922	-76908	0	-10922	1	Si
23	0.187	20.78	0	17255	SLV 9	20156	13340	76908	21675	21675	1	Si
23	0.187	11.4	0	-5065	SLV 7	-7967	-10922	-76908	-21675	-21675	1	Si
38	0.187	17.17	0	17130	SLV 9	20032	12518	76908	21675	21675	1	Si
38	0.187	11.4	0	-5190	SLV 7	-8091	-10922	-76908	-21675	-21675	1	Si
57	0.187	13.56	0	16979	SLV 9	19881	11570	76908	21675	21675	1	Si
57	0.187	11.4	0	-5340	SLV 7	-8242	-10922	-76908	-21675	-21675	1	Si
77	0.187	7.6	0	16828	SLV 9	19730	9541	76908	21675	21675	1	Si
77	0.187	11.4	0	-5491	SLV 7	-8393	-10922	-76908	-21675	-21675	1	Si
86	0.187	7.6	0	16753	SLV 9	19654	9541	76908	21675	21675	1	Si
86	0.187	11.4	0	-5567	SLV 7	-8468	-10922	-76908	-21675	-21675	1	Si
105	0.177	7.6	0	16602	SLV 9	19503	9541	76908	20516	20516	1	Si
105	0.177	11.4	0	-5718	SLV 7	-8619	-10922	-76908	-20516	-20516	1	Si
125	0.177	7.6	0	16451	SLV 9	19353	9541	76908	20516	20516	1	Si
125	0.177	11.4	0	-5869	SLV 7	-8770	-10922	-76908	-20516	-20516	1	Si
144	0.177	9.9	0	16300	SLV 9	19202	10420	76908	20516	20516	1	Si
144	0.177	11.4	0	-6019	SLV 7	-8921	-10922	-76908	-20516	-20516	1	Si
163	0.177	11.4	0	16149	SLV 9	19051	10922	76908	20516	20516	1	Si
163	0.177	11.4	0	-6170	SLV 7	-9072	-10922	-76908	-20516	-20516	1	Si
182	0.177	11.4	0	15998	SLV 9	18900	10922	76908	20516	20516	1	Si
182	0.177	11.4	0	-6321	SLV 7	-9223	-10922	-76908	-20516	-20516	1	Si
201	0.172	11.4	0	15848	SLV 9	18749	10922	76908	20007	20007	1	Si
201	0.172	11.4	0	-6472	SLV 7	-9374	-10922	-76908	-20007	-20007	1	Si
211	0.172	11.4	0	15772	SLV 9	18674	10922	76908	20007	20007	1	Si
211	0.172	11.4	0	-6548	SLV 7	-9449	-10922	-76908	-20007	-20007	1	Si
230	0.172	11.4	0	15621	SLV 9	18523	10922	76908	20007	20007	1	Si
230	0.172	11.4	0	-6698	SLV 7	-9600	-10922	-76908	-20007	-20007	1	Si
249	0.172	11.4	0	15470	SLV 9	18372	10922	76908	20007	20007	1	Si
249	0.172	7.6	0	-6849	SLV 7	-9751	-9541	-76908	-20007	-20007	1	Si
265	0.172	11.4	0	15346	SLV 9	18247	10922	76908	20007	20007	1	Si
265	0.172	9.45	0	-6974	SLV 7	-9875	-10259	-76908	-20007	-20007	1	Si
268	0	11.4	0	15319	SLV 9	18221	10922	76908	0	10922	1	Si
268	0	9.45	0	-7000	SLV 7	-9902	-10259	-76908	0	-10259	1	Si
287	0	12.99	0	15169	SLV 9	18070	11406	76908	0	11406	1	Si
287	0	10.35	0	-7151	SLV 7	-10053	-10576	-76908	0	-10576	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	11210	SLD 9	11210	13761	76908	0	13761	1	Si
19	0	20.78	0	11059	SLD 9	11059	13340	76908	0	13340	1	Si
23	0.187	20.78	0	11033	SLD 9	11033	13340	76908	21675	21675	1	Si
38	0.187	17.17	0	10908	SLD 9	10908	12518	76908	21675	21675	1	Si
57	0.187	13.56	0	10758	SLD 9	10758	11570	76908	21675	21675	1	Si
77	0.187	7.6	0	10607	SLD 9	10607	9541	76908	21675	21675	1	Si
86	0.187	7.6	0	10531	SLD 9	10531	9541	76908	21675	21675	1	Si
105	0.177	7.6	0	10380	SLD 9	10380	9541	76908	20516	20516	1	Si
125	0.177	7.6	0	10230	SLD 9	10230	9541	76908	20516	20516	1	Si
144	0.177	9.9	0	10079	SLD 9	10079	10420	76908	20516	20516	1	Si
163	0.177	11.4	0	9928	SLD 9	9928	10922	76908	20516	20516	1	Si
182	0.177	11.4	0	9777	SLD 9	9777	10922	76908	20516	20516	1	Si
182	0.177	11.4	0	-100	SLD 7	-100	-10922	-76908	-20516	-20516	1	Si
201	0.172	11.4	0	9626	SLD 9	9626	10922	76908	20007	20007	1	Si
201	0.172	11.4	0	-251	SLD 7	-251	-10922	-76908	-20007	-20007	1	Si
211	0.172	11.4	0	9551	SLD 9	9551	10922	76908	20007	20007	1	Si
211	0.172	11.4	0	-326	SLD 7	-326	-10922	-76908	-20007	-20007	1	Si
230	0.172	11.4	0	9400	SLD 9	9400	10922	76908	20007	20007	1	Si
230	0.172	11.4	0	-477	SLD 7	-477	-10922	-76908	-20007	-20007	1	Si
249	0.172	11.4	0	9249	SLD 9	9249	10922	76908	20007	20007	1	Si
249	0.172	11.4	0	-628	SLD 7	-628	-10922	-76908	-20007	-20007	1	Si
265	0.172	11.4	0	9124	SLD 9	9124	10922	76908	20007	20007	1	Si
265	0.172	11.4	0	-752	SLD 7	-752	-10922	-76908	-20007	-20007	1	Si
268	0	11.4	0	9098	SLD 9	9098	10922	76908	0	10922	1	Si
268	0	11.4	0	-779	SLD 7	-779	-10922	-76908	0	-10922	1	Si
287	0	12.99	0	8947	SLD 9	8947	11406	76908	0	11406	1	Si
287	0	12.99	0	-930	SLD 7	-930	-11406	-76908	0	-11406	1	Si

Verifiche delle tensioni in esercizio

x	Rara	Quasi permanente	Verifica

	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-687114	3	-612154	16.7	124.5	466.7	1837	-642629	2	-572151	15.6	93.4	0	+∞	Si
19	-560756	3	-559184	15.2	124.5	426.3	1837	-523904	2	-522431	14.2	93.4	0	+∞	Si
23	-539106	3	-539106	14.7	124.5	411	1837	-503585	2	-503585	13.7	93.4	0	+∞	Si
38	-437289	3	-539106	14.7	124.5	411	1837	-408070	2	-503585	13.7	93.4	0	+∞	Si
57	-316713	3	-500802	13.7	124.5	381.8	1837	-295127	2	-467634	12.8	93.4	0	+∞	Si
77	-199028	3	-378730	10.4	124.5	291.4	1837	-185074	2	-353196	9.7	93.4	0	+∞	Si
86	-141269	3	-318779	9	124.5	265.6	1837	-131132	2	-297061	8.3	93.4	0	+∞	Si
105	-27920	3	-201044	6	124.5	201.2	1837	-25416	2	-186959	5.6	93.4	0	+∞	Si
125	82714	2	244604	8.2	124.5	362.6	1837	77409	2	227886	7.6	93.4	0	+∞	Si
144	190170	2	347776	12.6	124.5	517.8	1837	177343	2	323434	11.7	93.4	0	+∞	Si
163	294780	3	448066	16.3	124.5	667.1	1837	274386	2	416091	15.1	93.4	0	+∞	Si
182	396566	3	545465	19.8	124.5	812.1	1837	368538	2	505857	18.4	93.4	0	+∞	Si
201	495460	3	639973	22.6	124.5	951.3	1837	459800	2	592732	21	93.4	0	+∞	Si
211	543823	3	686143	24.1	124.5	1019.6	1837	504346	2	635085	22.3	93.4	0	+∞	Si
230	638381	3	776315	25.3	124.5	970.2	1837	591271	2	717624	23.4	93.4	0	+∞	Si
249	730048	3	803473	25.2	124.5	919.9	1837	675305	2	742429	23.3	93.4	0	+∞	Si
265	803473	3	803473	25	124.5	903.5	1837	742429	2	742429	23.1	93.4	0	+∞	Si
268	818824	3	817649	25.5	124.5	919.5	1837	756448	2	755372	23.5	93.4	0	+∞	Si
287	904709	3	855047	26.6	124.5	961.5	1837	834701	2	789520	24.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
23	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
38	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
57	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
77	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
86	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.004	2	0.003	2	9999	Si
105	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.006	2	9999	Si
125	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.009	2	0.008	2	9999	Si
144	0.005	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.011	2	0.01	2	9999	Si
163	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.013	2	0.011	2	9999	Si
182	0.007	0.005	0.006	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.014	2	0.012	2	9999	Si
201	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.012	2	9999	Si
211	0.007	0.005	0.006	0.005	0.006	0.005	0.006	0.005	0.006	0.005	0.014	2	0.012	2	9999	Si
230	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.012	2	0.011	2	9999	Si
249	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.004	0.004	0.01	2	0.009	2	9999	Si
265	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
268	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	6095	14061	21675	SLV 9	0.4	914	1.108	-503585	1838697	1422107	SLV 7	0.38	796	1.047	Si
38	5970	14061	21675	SLV 9	0.4	932	1.117	-503585	1838697	1422107	SLV 7	0.38	796	1.047	Si
57	5819	14061	21675	SLV 9	0.41	954	1.127	-467634	1772802	1422107	SLV 7	0.39	831	1.065	Si
77	5668	14061	21675	SLV 9	0.41	976	1.138	-353196	1559206	1422107	SLV 7	0.41	977	1.139	Si
86	5593	14061	21675	SLV 9	0.41	988	1.144	-297061	1452442	1422107	SLV 7	0.43	1082	1.187	Si
105	5442	14061	20516	SLV 9	0.39	843	1.072	-186959	1239023	1422107	SLV 7	0.47	1383	1.313	Si
125	5291	14061	20516	SLV 9	0.39	864	1.083	-79747	1025870	1422094	SLV 7	0.52	1905	1.497	Si
144	5140	14061	20516	SLV 9	0.4	885	1.093	24573	-813358	-970824	SLV 9	0.44	1182	1.231	Si
163	4989	14061	20516	SLV 9	0.4	906	1.104	126002	-603007	-970824	SLV 9	0.57	2474	1.666	Si
182	4839	14061	20516	SLV 9	0.4	928	1.115	224541	-401145	-970824	SLV 5	0.57	2474	1.666	Si
201	4688	14061	20007	SLV 9	0.4	877	1.089	592732	482907	1422093	SLV 9	0.57	2474	1.666	Si
211	4612	14061	20007	SLV 9	0.4	887	1.094	635085	589589	1422093	SLV 9	0.48	1488	1.353	Si
230	4461	14061	20007	SLV 9	0.4	909	1.105	717624	803084	1686711	SLV 9	0.44	1139	1.212	Si
249	4311	14061	20007	SLV 9	0.4	931	1.116	742429	868959	1839686	SLV 9	0.45	1284	1.273	Si
265	4186	14061	20007	SLV 9	0.41	949	1.125	742429	868959	1873055	SLV 9	0.47	1390	1.316	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	6095	4938	21675	SLD 9	0.42	1048	2.948	-503585	813634	1422107	SLD 7	0.32	518	2.209	Si
38	5970	4938	21675	SLD 9	0.43	1071	2.975	-503585	813634	1422107	SLD 7	0.32	518	2.209	Si
57	5819	4938	21675	SLD 9	0.43	1099	3.006	-467634	784475	1422107	SLD 7	0.33	540	2.246	Si
77	5668	4938	21675	SLD 9	0.43	1127	3.037	-353196	689958	1422107	SLD 7	0.35	633	2.398	Si
86	5593	4938	21675	SLD 9	0.44	1140	3.052	-297061	642714	1422107	SLD 7	0.36	696	2.493	Si
105	5442	4938	20516	SLD 9	0.41	959	2.843	-186959	548275	1422107	SLD 7	0.39	872	2.734	Si
125	5291	4938	20516	SLD 9	0.41	984	2.873	-79747	453954	1422094	SLD 7	0.44	1190	3.106	Si
144	5140	4938	20516	SLD 9	0.42	1011	2.905	24573	-359917	-970824	SLD 9	0.37	754	2.576	Si
163	4989	4938	20516	SLD 9	0.42	1037	2.936	126002	-266836	-970824	SLD 9	0.54	2121	3.936	Si
182	4839	4938	20516	SLD 9	0.43	1065	2.968	224541	-177513	-970824	SLD 5	0.6	2474	4.193	Si
201	4688	4938	20007	SLD 9	0.42	1001	2.893	592732	213687	1422093	SLD 9	0.51	1820	3.697	Si
211	4612	4938	20007	SLD 9	0.42	1015	2.91	635085	260894	1422093	SLD 9	0.4	932	2.81	Si
230	4461	4938	20007	SLD 9	0.42	1041	2.94	717624	355367	1686711	SLD 9	0.37	729	2.541	Si
249	4311	4938	20007	SLD 9	0.43	1069	2.972	742429	384517	1839686	SLD 9	0.38	814	2.658	Si
265	4186	4938	20007	SLD 9	0.43	1092	2.998	742429	384517	1873055	SLD 9	0.4	876	2.739	Si

Campata 2 tra i fili 57A - 54A, sezione R 45x70, asta 767

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	539945	SLU 29	539945	1873055	0.09						Si
19	11.4	5.4	15.21	5.4	586705	SLU 29	586705	1873055	0.09						Si
23	11.4	5.4	15.21	5.4	594737	SLU 29	657987	1873055	0.09						Si
38	11.4	5.4	15.21	5.4	629759	SLU 29	688366	1873055	0.09						Si
57	10.82	5.4	15.21	5.4	669107	SLU 29	722137	1873095	0.09						Si
67	10.38	5.4	14.81	5.4	687393	SLU 30	737634	1825898	0.09						Si
86	9.48	5.4	13.53	5.4	721268	SLU 30	765847	1673991	0.088						Si
105	7.6	5.4	11.4	5.4	751438	SLU 30	790354	1422093	0.084						Si
124	7.6	5.4	11.4	5.4	777901	SLU 30	811156	1422093	0.084						Si
143	7.6	5.4	11.4	5.4	800659	SLU 30	828252	1422093	0.084						Si
162	7.6	5.4	11.4	5.4	819712	SLU 30	841642	1422093	0.084						Si
181	7.6	5.4	11.4	5.4	835059	SLU 30	851327	1422093	0.084						Si
190	7.6	5.4	11.4	5.4	841343	SLU 30	854780	1422093	0.084						Si
200	7.6	5.4	15.65	5.4	846700	SLU 30	857306	1925956	0.093						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
209	7.6	5.4	16.93	5.4	851131	SLU 30	858906	2077874	0.097						Si
228	7.6	5.4	19.01	5.4	857214	SLU 30	859591	2323876	0.102						Si
247	7.6	5.4	19.01	5.4	859591	SLU 30	859591	2323876	0.102						Si
263	7.6	5.4	19.01	5.4	858674	SLU 30	859591	2323876	0.102						Si
266	7.6	5.4	19.01	5.4	858262	SLU 30	858252	2323876	0.102						Si
285	7.6	5.4	19.01	5.4	853228	SLU 30	853228	2323876	0.102						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	1930812	SLV 7	1799060	1873055	0.09	-1231196	SLV 9	-1056578	-1422107	0.084	Si
19	11.4	5.4	15.21	5.4	1763577	SLV 7	1726166	1873055	0.09	-994039	SLV 9	-955767	-1422107	0.084	Si
23	11.4	5.4	15.21	5.4	1697110	SLV 7	1697110	1873055	0.09	-915583	SLV 9	-915583	-1422107	0.084	Si
38	11.4	5.4	15.21	5.4	1594647	SLV 11	1697110	1873055	0.09	-760887	SLV 5	-915583	-1422107	0.084	Si
57	10.82	5.4	15.21	5.4	1424468	SLV 11	1679298	1873095	0.09	-532188	SLV 5	-877700	-1353412	0.083	Si
67	10.38	5.4	14.81	5.4	1339057	SLV 11	1599380	1825898	0.09	-419655	SLV 5	-767376	-1300229	0.082	Si
86	9.48	5.4	13.53	5.4	1167810	SLV 11	1429232	1673991	0.088	-198440	SLV 5	-538549	-1193804	0.081	Si
105	7.6	5.4	11.4	5.4	996059	SLV 11	1258279	1422093	0.084	17580	SLV 5	-314617	-970824	0.078	Si
124	7.6	5.4	11.4	5.4	823617	SLV 11	1086802	1422093	0.084	228588	SLV 5	-95862	-970824	0.078	Si
143	7.6	5.4	11.4	5.4	731313	SLV 15	914755	1422093	0.084						Si
162	7.6	5.4	11.4	5.4	791845	SLV 13	1080259	1422093	0.084						Si
181	7.6	5.4	11.4	5.4	968410	SLV 9	1290363	1422093	0.084	165290	SLV 7	-134914	-970824	0.078	Si
190	7.6	5.4	11.4	5.4	1074367	SLV 9	1394493	1422093	0.084	67928	SLV 7	-234806	-970824	0.078	Si
200	7.6	5.4	15.65	5.4	1179753	SLV 9	1497989	1925956	0.093	-30289	SLV 7	-335488	-971285	0.079	Si
209	7.6	5.4	16.93	5.4	1284539	SLV 9	1600836	2077874	0.097	-129332	SLV 7	-436947	-971385	0.079	Si
228	7.6	5.4	19.01	5.4	1492236	SLV 9	1804553	2323876	0.102	-329818	SLV 7	-642164	-971525	0.08	Si
247	7.6	5.4	19.01	5.4	1697348	SLV 9	1862953	2323876	0.102	-533419	SLV 7	-702189	-971525	0.08	Si
263	7.6	5.4	19.01	5.4	1862953	SLV 9	1862953	2323876	0.102	-702189	SLV 7	-702189	-971525	0.08	Si
266	7.6	5.4	19.01	5.4	1899805	SLV 9	1897068	2323876	0.102	-740067	SLV 7	-737315	-971525	0.08	Si
285	7.6	5.4	19.01	5.4	2099559	SLV 9	1982652	2323876	0.102	-949712	SLV 7	-825436	-971525	0.08	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	1049421	SLD 7	1003071	1873055	0.09	-349806	SLD 9	-260589	-1422107	0.084	Si
19	11.4	5.4	15.21	5.4	994909	SLD 7	978597	1873055	0.09	-225371	SLD 9	-208198	-1422107	0.084	Si
23	11.4	5.4	15.21	5.4	968841	SLD 7	968841	1873055	0.09	-187314	SLD 9	-187314	-1422107	0.084	Si
38	11.4	5.4	15.21	5.4	938058	SLD 11	968841	1873055	0.09	-104299	SLD 5	-187314	-1422107	0.084	Si
57	10.82	5.4	15.21	5.4	879065	SLD 11	966765	1873095	0.09	13215	SLD 5	-165253	-1353412	0.083	Si
67	10.38	5.4	14.81	5.4	848830	SLD 11	939663	1825898	0.09	70572	SLD 5	-107659	-1300229	0.082	Si
86	9.48	5.4	13.53	5.4	786980	SLD 11	880728	1673991	0.088						Si
105	7.6	5.4	11.4	5.4	723317	SLD 11	819848	1422093	0.084						Si
124	7.6	5.4	11.4	5.4	657758	SLD 11	757145	1422093	0.084						Si
143	7.6	5.4	11.4	5.4	626069	SLD 15	697423	1422093	0.084						Si
162	7.6	5.4	11.4	5.4	660421	SLD 13	796543	1422093	0.084						Si
181	7.6	5.4	11.4	5.4	744542	SLD 9	893070	1422093	0.084						Si
190	7.6	5.4	11.4	5.4	793824	SLD 9	940330	1422093	0.084						Si
200	7.6	5.4	15.65	5.4	842456	SLD 9	986912	1925956	0.093						Si
209	7.6	5.4	16.93	5.4	890426	SLD 9	1032810	2077874	0.097						Si
228	7.6	5.4	19.01	5.4	984344	SLD 9	1122538	2323876	0.102						Si
247	7.6	5.4	19.01	5.4	1075528	SLD 9	1147927	2323876	0.102						Si
263	7.6	5.4	19.01	5.4	1147927	SLD 9	1147927	2323876	0.102						Si
266	7.6	5.4	19.01	5.4	1163949	SLD 9	1162741	2323876	0.102	-4210	SLD 7	-2989	-971525	0.08	Si
285	7.6	5.4	19.01	5.4	1249584	SLD 9	1199906	2323876	0.102	-99737	SLD 7	-42690	-971525	0.08	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.81	0	2560	SLU 30	2560	11915	76908	0	11915	1	Si
19	0	13.53	0	2365	SLU 30	2365	11561	76908	0	11561	1	Si
23	0.144	13.53	0	2329	SLU 30	2329	11561	76908	16673	16673	1	Si
38	0.144	11.4	0	2170	SLU 30	2170	10922	76908	16673	16673	1	Si
57	0.144	11.4	0	1975	SLU 30	1975	10922	76908	16673	16673	1	Si
67	0.144	11.4	0	1878	SLU 30	1878	10922	76908	16673	16673	1	Si
86	0.144	11.4	0	1683	SLU 30	1683	10922	76908	16673	16673	1	Si
105	0.13	11.4	0	1488	SLU 30	1488	10922	76908	15115	15115	1	Si
124	0.13	11.4	0	1294	SLU 30	1294	10922	76908	15115	15115	1	Si
143	0.13	14.17	0	1099	SLU 30	1099	11741	76908	15115	15115	1	Si
162	0.13	11.4	0	904	SLU 30	904	10922	76908	15115	15115	1	Si
181	0.13	11.4	0	709	SLU 30	709	10922	76908	15115	15115	1	Si
200	0.129	11.4	0	514	SLU 30	514	10922	76908	15005	15005	1	Si
209	0.129	11.4	0	417	SLU 30	417	10922	76908	15005	15005	1	Si
228	0.129	11.4	0	223	SLU 12	223	10922	76908	15005	15005	1	Si
247	0.129	11.4	0	74	SLU 12	74	10922	76908	15005	15005	1	Si
247	0.129	11.4	0	-141	SLU 19	-141	-10922	-76908	-15005	-15005	1	Si
263	0.129	15.65	0	-300	SLU 19	-300	-12136	-76908	-15005	-15005	1	Si
266	0	15.65	0	-336	SLU 19	-336	-12136	-76908	0	-12136	1	Si
285	0	18.21	0	-531	SLU 19	-531	-12766	-76908	0	-12766	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.38	0	12710	SLV 9	15517	10583	76908	0	10583	1	Si
0	0	14.81	0	-8885	SLV 7	-11692	-11915	-76908	0	-11915	1	Si
19	0	9.48	0	12560	SLV 9	15368	10269	76908	0	10269	1	Si
19	0	13.53	0	-9035	SLV 7	-11842	-11561	-76908	0	-11561	1	Si
23	0.144	9.48	0	12533	SLV 9	15340	10269	76908	16673	16673	1	Si
23	0.144	13.53	0	-9062	SLV 7	-11870	-11561	-76908	-16673	-16673	1	Si
38	0.144	7.6	0	12410	SLV 9	15218	9541	76908	16673	16673	1	Si
38	0.144	11.4	0	-9185	SLV 7	-11992	-10922	-76908	-16673	-16673	1	Si
57	0.144	7.6	0	12261	SLV 9	15068	9541	76908	16673	16673	1	Si
57	0.144	11.4	0	-9335	SLV 7	-12142	-10922	-76908	-16673	-16673	1	Si
67	0.144	7.6	0	12186	SLV 9	14993	9541	76908	16673	16673	1	Si
67	0.144	11.4	0	-9409	SLV 7	-12217	-10922	-76908	-16673	-16673	1	Si
86	0.144	7.6	0	12036	SLV 9	14843	9541	76908	16673	16673	1	Si
86	0.144	11.4	0	-9559	SLV 7	-12367	-10922	-76908	-16673	-16673	1	Si
105	0.13	11.4	0	11886	SLV 9	14693	10922	76908	15115	15115	1	Si
105	0.13	11.4	0	-9709	SLV 7	-12517	-10922	-76908	-15115	-15115	1	Si
124	0.13	11.4	0	11736	SLV 9	14544	10922	76908	15115	15115	1	Si
124	0.13	11.4	0	-9859	SLV 7	-12666	-10922	-76908	-15115	-15115	1	Si
143	0.13	14.17	0	11586	SLV 9	14394	11741	76908	15115	15115	1	Si
143	0.13	14.17	0	-10009	SLV 7	-12816	-11741	-76908	-15115	-15115	1	Si
162	0.13	11.4	0	11437	SLV 9	14244	10922	76908	15115	15115	1	Si
162	0.13	11.4	0	-10159	SLV 7	-12966	-10922	-76908	-15115	-15115	1	Si
181	0.13	11.4	0	11287	SLV 9	14094	10922	76908	15115	15115	1	Si
181	0.13	11.4	0	-10308	SLV 7	-13116	-10922	-76908	-15115	-15115	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
200	0.129	11.4	0	11137	SLV 9	13944	10922	76908	15005	15005	1	Si
200	0.129	7.6	0	-10458	SLV 7	-13266	-9541	-76908	-15005	-15005	1	Si
209	0.129	11.4	0	11062	SLV 9	13869	10922	76908	15005	15005	1	Si
209	0.129	7.6	0	-10533	SLV 7	-13341	-9541	-76908	-15005	-15005	1	Si
228	0.129	11.4	0	10912	SLV 9	13720	10922	76908	15005	15005	1	Si
228	0.129	7.6	0	-10683	SLV 7	-13490	-9541	-76908	-15005	-15005	1	Si
247	0.129	11.4	0	10762	SLV 9	13570	10922	76908	15005	15005	1	Si
247	0.129	7.6	0	-10833	SLV 7	-13640	-9541	-76908	-15005	-15005	1	Si
263	0.129	15.65	0	10640	SLV 9	13447	12136	76908	15005	15005	1	Si
263	0.129	7.6	0	-10955	SLV 7	-13763	-9541	-76908	-15005	-15005	1	Si
266	0	15.65	0	10613	SLV 9	13420	12136	76908	0	12136	1	Si
266	0	7.6	0	-10983	SLV 7	-13790	-9541	-76908	0	-9541	1	Si
285	0	18.21	0	10463	SLV 9	13270	12766	76908	0	12766	1	Si
285	0	7.6	0	-11132	SLV 7	-13940	-9541	-76908	0	-9541	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.38	0	6691	SLD 9	6691	10583	76908	0	10583	1	Si
0	0	14.81	0	-2866	SLD 7	-2866	-11915	-76908	0	-11915	1	Si
19	0	9.48	0	6541	SLD 9	6541	10269	76908	0	10269	1	Si
19	0	13.53	0	-3015	SLD 7	-3015	-11561	-76908	0	-11561	1	Si
23	0.144	9.48	0	6513	SLD 9	6513	10269	76908	16673	16673	1	Si
23	0.144	13.53	0	-3043	SLD 7	-3043	-11561	-76908	-16673	-16673	1	Si
38	0.144	7.6	0	6391	SLD 9	6391	9541	76908	16673	16673	1	Si
38	0.144	11.4	0	-3165	SLD 7	-3165	-10922	-76908	-16673	-16673	1	Si
57	0.144	11.4	0	6241	SLD 9	6241	10922	76908	16673	16673	1	Si
57	0.144	11.4	0	-3315	SLD 7	-3315	-10922	-76908	-16673	-16673	1	Si
67	0.144	11.4	0	6166	SLD 9	6166	10922	76908	16673	16673	1	Si
67	0.144	11.4	0	-3390	SLD 7	-3390	-10922	-76908	-16673	-16673	1	Si
86	0.144	11.4	0	6016	SLD 9	6016	10922	76908	16673	16673	1	Si
86	0.144	11.4	0	-3540	SLD 7	-3540	-10922	-76908	-16673	-16673	1	Si
105	0.13	11.4	0	5866	SLD 9	5866	10922	76908	15115	15115	1	Si
105	0.13	11.4	0	-3690	SLD 7	-3690	-10922	-76908	-15115	-15115	1	Si
124	0.13	11.4	0	5717	SLD 9	5717	10922	76908	15115	15115	1	Si
124	0.13	11.4	0	-3839	SLD 7	-3839	-10922	-76908	-15115	-15115	1	Si
143	0.13	14.17	0	5567	SLD 9	5567	11741	76908	15115	15115	1	Si
143	0.13	14.17	0	-3989	SLD 7	-3989	-11741	-76908	-15115	-15115	1	Si
162	0.13	11.4	0	5417	SLD 9	5417	10922	76908	15115	15115	1	Si
162	0.13	11.4	0	-4139	SLD 7	-4139	-10922	-76908	-15115	-15115	1	Si
181	0.13	11.4	0	5267	SLD 9	5267	10922	76908	15115	15115	1	Si
181	0.13	11.4	0	-4289	SLD 7	-4289	-10922	-76908	-15115	-15115	1	Si
200	0.129	11.4	0	5117	SLD 9	5117	10922	76908	15005	15005	1	Si
200	0.129	11.4	0	-4439	SLD 7	-4439	-10922	-76908	-15005	-15005	1	Si
209	0.129	11.4	0	5042	SLD 9	5042	10922	76908	15005	15005	1	Si
209	0.129	11.4	0	-4514	SLD 7	-4514	-10922	-76908	-15005	-15005	1	Si
228	0.129	11.4	0	4893	SLD 9	4893	10922	76908	15005	15005	1	Si
228	0.129	11.4	0	-4663	SLD 7	-4663	-10922	-76908	-15005	-15005	1	Si
247	0.129	11.4	0	4743	SLD 9	4743	10922	76908	15005	15005	1	Si
247	0.129	11.4	0	-4813	SLD 7	-4813	-10922	-76908	-15005	-15005	1	Si
263	0.129	15.65	0	4620	SLD 9	4620	12136	76908	15005	15005	1	Si
263	0.129	15.65	0	-4936	SLD 7	-4936	-12136	-76908	-15005	-15005	1	Si
266	0	15.65	0	4593	SLD 9	4593	12136	76908	0	12136	1	Si
266	0	7.6	0	-4963	SLD 7	-4963	-9541	-76908	0	-9541	1	Si
285	0	18.21	0	4443	SLD 9	4443	12766	76908	0	12766	1	Si
285	0	7.6	0	-5113	SLD 7	-5113	-9541	-76908	0	-9541	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	388587	2	388587	12.1	124.5	437	1837	349808	2	349808	10.9	93.4	0	+∞	Si
19	424122	2	424122	13.2	124.5	476.9	1837	384769	2	384769	12	93.4	0	+∞	Si
23	430221	2	478211	14.9	124.5	537.8	1837	390763	2	437878	13.6	93.4	0	+∞	Si
38	456806	2	501224	15.6	124.5	563.6	1837	416880	2	460419	14.3	93.4	0	+∞	Si
57	486639	2	526759	16.5	124.5	592.7	1837	446140	2	485324	15.2	93.4	0	+∞	Si
67	500488	3	538458	17.2	124.5	621.8	1837	459701	2	496707	15.8	93.4	0	+∞	Si
86	526103	3	559717	18.6	124.5	705.8	1837	484685	2	517337	17.2	93.4	0	+∞	Si
105	548867	3	578126	21	124.5	860.8	1837	506819	2	535115	19.4	93.4	0	+∞	Si
124	568781	3	593684	21.6	124.5	883.9	1837	526103	2	550043	20	93.4	0	+∞	Si
143	585844	3	606392	22	124.5	902.9	1837	542536	2	562121	20.4	93.4	0	+∞	Si
162	600057	3	616249	22.4	124.5	917.5	1837	556118	2	571348	20.7	93.4	0	+∞	Si
181	611419	3	623256	22.6	124.5	928	1837	566850	2	577724	21	93.4	0	+∞	Si
200	619931	3	627412	20.4	124.5	689.2	1837	574732	2	581250	18.9	93.4	0	+∞	Si
209	623117	3	628421	19.9	124.5	640.2	1837	577603	2	581944	18.4	93.4	0	+∞	Si
228	627353	3	628739	19.1	124.5	573.4	1837	581209	2	581964	17.7	93.4	0	+∞	Si
247	628739	3	628739	19.1	124.5	573.4	1837	581964	2	581964	17.7	93.4	0	+∞	Si
263	627672	3	628739	19.1	124.5	573.4	1837	580382	2	581964	17.7	93.4	0	+∞	Si
266	627274	3	627272	19.1	124.5	572.1	1837	579869	2	579869	17.6	93.4	0	+∞	Si
285	622958	3	622958	18.9	124.5	568.2	1837	574924	2	574924	17.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
23	0.004	0.003	0.004	0.003	0.004	0.003	0.004	0.003	0.004	0.003	0.009	2	0.008	2	9999	Si
38	0.007	0.005	0.006	0.005	0.006	0.005	0.006	0.005	0.006	0.005	0.014	2	0.012	2	9999	Si
57	0.01	0.008	0.009	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.02	2	0.017	2	9999	Si
67	0.011	0.009	0.01	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.023	2	0.02	2	9999	Si
86	0.013	0.01	0.012	0.009	0.012	0.01	0.011	0.009	0.012	0.01	0.027	2	0.024	2	9999	Si
105	0.014	0.012	0.013	0.01	0.014	0.012	0.012	0.01	0.013	0.012	0.03	2	0.026	2	9462	Si
124	0.015	0.012	0.014	0.011	0.015	0.012	0.013	0.011	0.014	0.012	0.032	2	0.028	2	8838	Si
143	0.016	0.013	0.014	0.012	0.015	0.013	0.013	0.012	0.015	0.013	0.033	2	0.029	2	8593	Si
162	0.016	0.013	0.014	0.011	0.015	0.013	0.013	0.011	0.014	0.013	0.033	2	0.029	2	8676	Si
181	0.015	0.012	0.013	0.011	0.014	0.012	0.013	0.011	0.014	0.012	0.031	2	0.028	2	9116	Si
200	0.014	0.011	0.012	0.01	0.013	0.011	0.011	0.01	0.013	0.011	0.028	2	0.025	2	9999	Si
209	0.013	0.01	0.011	0.009	0.012	0.01	0.011	0.009	0.012	0.01	0.027	2	0.023	2	9999	Si
228	0.01	0.008	0.009	0.008	0.01	0.008	0.009	0.008	0.01	0.008	0.022	2	0.019	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
247	0.008	0.006	0.007	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.016	2	0.014	2	9999	Si
263	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.01	2	0.009	2	9999	Si
266	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.007	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1735	13605	16673	SLV 9	0.4	894	1.098	390763	1306346	1873055	SLV 7	0.41	968	1.134	Si
38	1613	13605	16673	SLV 9	0.4	912	1.107	390763	1306346	1873055	SLV 7	0.41	968	1.134	Si
57	1463	13605	16673	SLV 9	0.41	934	1.118	401181	1278117	1873095	SLV 11	0.42	1007	1.153	Si
67	1388	13605	16673	SLV 9	0.41	945	1.123	416002	1183378	1825898	SLV 11	0.43	1101	1.196	Si
86	1238	13605	16673	SLV 9	0.41	968	1.134	445342	983890	1673991	SLV 11	0.45	1247	1.258	Si
105	1088	13605	15115	SLV 9	0.37	766	1.03	471831	786448	1422093	SLV 11	0.44	1143	1.214	Si
124	939	13605	15115	SLV 9	0.38	786	1.041	495470	591332	1422093	SLV 11	0.56	2285	1.613	Si
143	789	13605	15115	SLV 9	0.38	807	1.053	516258	398497	1422093	SLV 11	0.57	2474	1.666	Si
162	639	13605	15115	SLV 9	0.39	828	1.064	571348	508911	1422093	SLV 9	0.57	2474	1.666	Si
181	489	13605	15115	SLV 9	0.39	849	1.075	577724	712639	1422093	SLV 9	0.43	1085	1.189	Si
200	339	13605	15005	SLV 9	0.39	854	1.077	581250	916738	1925956	SLV 9	0.52	1915	1.5	Si
209	264	13605	15005	SLV 9	0.39	865	1.083	581944	1018892	2077874	SLV 9	0.52	1920	1.502	Si
228	115	13605	15005	SLV 9	0.4	887	1.094	581195	-1223358	-971525	SLV 7	0.46	1302	1.281	Si
247	-35	-13605	-15005	SLV 7	0.4	898	1.1	580382	-1282571	-971525	SLV 7	0.44	1147	1.216	Si
263	-158	-13605	-15005	SLV 7	0.4	881	1.091	580382	-1282571	-971525	SLV 7	0.44	1147	1.216	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1735	4778	16673	SLD 9	0.42	1022	2.918	390763	578077	1873055	SLD 7	0.35	627	2.388	Si
38	1613	4778	16673	SLD 9	0.42	1045	2.945	390763	578077	1873055	SLD 7	0.35	627	2.388	Si
57	1463	4778	16673	SLD 9	0.43	1073	2.977	401181	565584	1873095	SLD 11	0.35	651	2.425	Si
67	1388	4778	16673	SLD 9	0.43	1087	2.993	416002	523661	1825898	SLD 11	0.36	706	2.507	Si
86	1238	4778	16673	SLD 9	0.43	1117	3.026	445342	435387	1673991	SLD 11	0.38	792	2.628	Si
105	1088	4778	15115	SLD 9	0.39	872	2.734	471831	348017	1422093	SLD 11	0.37	731	2.543	Si
124	939	4778	15115	SLD 9	0.4	896	2.765	495470	261675	1422093	SLD 11	0.47	1425	3.344	Si
143	789	4778	15115	SLD 9	0.4	918	2.792	516258	176342	1422093	SLD 11	0.6	2474	4.193	Si
162	639	4778	15115	SLD 9	0.41	942	2.822	571348	225195	1422093	SLD 9	0.5	1692	3.588	Si
181	489	4778	15115	SLD 9	0.41	966	2.851	577724	315346	1422093	SLD 9	0.36	697	2.494	Si
200	339	4778	15005	SLD 9	0.41	973	2.86	581250	405662	1925956	SLD 9	0.44	1196	3.112	Si
209	264	4778	15005	SLD 9	0.41	985	2.874	581944	450865	2077874	SLD 9	0.44	1199	3.116	Si
228	115	4778	15005	SLD 9	0.42	1013	2.908	581195	-541343	-971525	SLD 7	0.39	824	2.671	Si
247	-35	-4778	-15005	SLD 7	0.42	1029	2.926	580382	-567545	-971525	SLD 7	0.37	733	2.546	Si
263	-158	-4778	-15005	SLD 7	0.42	1006	2.899	580382	-567545	-971525	SLD 7	0.37	733	2.546	Si

Campata 3 tra i fili 54A - 49A, sezione R 45x70, asta 768

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	1039343	SLU 29	997564	2323876	0.102						Si
20	7.6	5.4	19.01	5.4	962589	SLU 29	962043	2323876	0.102						Si
23	7.6	5.4	19.01	5.4	953287	SLU 29	953287	2323876	0.102						Si
40	7.6	5.4	18.44	5.4	881714	SLU 30	953287	2256500	0.101						Si
60	7.6	5.4	15.72	5.4	796696	SLU 30	917952	1934954	0.093						Si
71	7.6	5.4	11.4	5.4	752628	SLU 30	876882	1422093	0.084						Si
81	7.6	5.4	11.4	5.4	707521	SLU 30	834774	1422093	0.084						Si
91	7.6	5.4	11.4	5.4	661374	SLU 30	791626	1422093	0.084						Si
111	7.6	5.4	11.4	5.4	565962	SLU 30	702211	1422093	0.084						Si
131	7.6	5.4	11.4	5.4	466392	SLU 30	608639	1422093	0.084						Si
151	7.6	5.4	11.4	5.4	362665	SLU 30	510909	1422093	0.084						Si
171	7.6	5.4	11.4	5.4	254779	SLU 30	409021	1422093	0.084						Si
191	13.56	5.4	11.4	5.4	142735	SLU 30	302975	1422094	0.084	102652	SLU 1	-32591	-1678288	0.087	Si
212	16.41	5.4	11.4	5.4	53025	SLU 26	192771	1422107	0.084	12708	SLU 11	-149014	-2016165	0.092	Si
232	19.01	5.4	13.68	5.4	-28311	SLU 8	89353	1692080	0.086	-94356	SLU 29	-275423	-2323296	0.095	Si
242	19.01	5.4	14.36	5.4	-63504	SLU 8	48182	1772458	0.087	-156121	SLU 29	-340187	-2323260	0.095	Si
262	19.01	5.4	15.21	5.4						-282769	SLU 29	-398220	-2323187	0.094	Si
280	19.01	5.4	15.21	5.4						-398220	SLU 29	-398220	-2323187	0.094	Si
282	19.01	5.4	15.21	5.4						-413575	SLU 29	-412835	-2323187	0.094	Si
302	19.01	5.4	15.21	5.4						-548539	SLU 29	-472130	-2323187	0.094	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	1896869	SLV 11	1741064	2323876	0.102	-522806	SLV 5	-418435	-971525	0.08	Si
20	7.6	5.4	19.01	5.4	1630973	SLV 11	1627720	2323876	0.102	-351988	SLV 5	-349436	-971525	0.08	Si
23	7.6	5.4	19.01	5.4	1599782	SLV 11	1599782	2323876	0.102	-332429	SLV 5	-332429	-971525	0.08	Si
40	7.6	5.4	18.44	5.4	1362556	SLV 11	1599782	2256500	0.101	-185047	SLV 5	-332429	-971489	0.08	Si
60	7.6	5.4	15.72	5.4	1091940	SLV 11	1481586	1934954	0.093	-22303	SLV 5	-258469	-971294	0.079	Si
81	7.6	5.4	11.4	5.4	819568	SLV 11	1211901	1422093	0.084	135801	SLV 5	-93826	-970824	0.078	Si
91	7.6	5.4	11.4	5.4	682887	SLV 11	1076292	1422093	0.084	212949	SLV 5	-13137	-970824	0.078	Si
111	7.6	5.4	11.4	5.4	496501	SLV 13	803841	1422093	0.084	275470	SLV 3	-59509	-970824	0.078	Si
131	7.6	5.4	11.4	5.4	576231	SLV 9	787776	1422093	0.084	65481	SLV 7	-345311	-970824	0.078	Si
151	7.6	5.4	11.4	5.4	723277	SLV 9	932092	1422093	0.084	-218223	SLV 7	-635511	-970824	0.078	Si
171	7.6	5.4	11.4	5.4	868539	SLV 9	1074024	1422093	0.084	-506538	SLV 7	-929725	-970824	0.078	Si
191	13.56	5.4	11.4	5.4	1011569	SLV 9	1213311	1422094	0.084	-799019	SLV 7	-1227689	-1678288	0.087	Si
212	16.41	5.4	11.4	5.4	1152055	SLV 9	1349778	1422107	0.084	-1095352	SLV 7	-1529231	-2016165	0.092	Si
232	19.01	5.4	13.68	5.4	1289788	SLV 9	1483315	1692080	0.086	-1395330	SLV 7	-1834239	-2323296	0.095	Si
242	19.01	5.4	14.36	5.4	1357578	SLV 9	1548960	1772458	0.087	-1546641	SLV 7	-1988018	-2323260	0.095	Si
262	19.01	5.4	15.21	5.4	1490945	SLV 9	1606209	1872544	0.088	-1851846	SLV 7	-2124402	-2323187	0.094	Si
280	19.01	5.4	15.21	5.4	1606209	SLV 9	1606209	1872544	0.088	-2124402	SLV 7	-2124402	-2323187	0.094	Si
282	19.01	5.4	15.21	5.4	1621302	SLV 9	1620549	1872544	0.088	-2160440	SLV 7	-2158688	-2323187	0.094	Si
302	19.01	5.4	15.21	5.4	1748602	SLV 9	1678726	1872544	0.088	-2472372	SLV 7	-2297785	-2323187	0.094	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	1222402	SLD 11	1139121	2323876	0.102						Si
20	7.6	5.4	19.01	5.4	1078237	SLD 11	1076602	2323876	0.102						Si
23	7.6	5.4	19.01	5.4	1061192	SLD 11	1061192	2323876	0.102						Si
40	7.6	5.4	18.44	5.4	931174	SLD 11	1061192	2256500	0.101						Si
60	7.6	5.4	15.72	5.4	781354	SLD 11	996559	1934954	0.093						Si
71	7.6	5.4	11.4	5.4	705470	SLD 11	922593	1422093	0.084						Si
81	7.6	5.4	11.4	5.4	628973	SLD 11	847940	1422093	0.084						Si
91	7.6	5.4	11.4	5.4	551895	SLD 11	772623	1422093	0.084						Si
111	7.6	5.4	11.4	5.4	434888	SLD 13	620105	1422093	0.084						Si
131	7.6	5.4	11.4	5.4	433860	SLD 9	472158	1422093	0.084	207851	SLD 7	-29467	-970824	0.078	Si
151	7.6	5.4	11.4	5.4	460837	SLD 9	495128	1422093	0.084	44217	SLD 7	-198547	-970824	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
171	7.6	5.4	11.4	5.4	485240	SLD 9	515486	1422093	0.084	-123240	SLD 7	-371187	-970824	0.078	Si
191	13.56	5.4	11.4	5.4	506874	SLD 9	532891	1422094	0.084	-294324	SLD 7	-547269	-1678288	0.087	Si
212	16.41	5.4	11.4	5.4	525598	SLD 9	547265	1422107	0.084	-468895	SLD 7	-726718	-2016165	0.092	Si
232	19.01	5.4	13.68	5.4	541321	SLD 9	558560	1692080	0.086	-646863	SLD 7	-909483	-2323296	0.095	Si
242	19.01	5.4	14.36	5.4	548038	SLD 9	563041	1772458	0.087	-737101	SLD 7	-1002099	-2323260	0.095	Si
262	19.01	5.4	15.21	5.4	559155	SLD 9	566316	1872544	0.088	-920056	SLD 7	-1084509	-2323187	0.094	Si
280	19.01	5.4	15.21	5.4	566316	SLD 9	566316	1872544	0.088	-1084509	SLD 7	-1084509	-2323187	0.094	Si
282	19.01	5.4	15.21	5.4	567157	SLD 9	567102	1872544	0.088	-1106294	SLD 7	-1105241	-2323187	0.094	Si
302	19.01	5.4	15.21	5.4	572023	SLD 9	570289	1872544	0.088	-1295792	SLD 7	-1189349	-2323187	0.094	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.72	0	-3705	SLU 29	-3705	-12156	-76908	0	-12156	1	Si
20	0	11.4	0	-3912	SLU 29	-3912	-10922	-76908	0	-10922	1	Si
23	0.158	11.4	0	-3936	SLU 29	-3936	-10922	-76908	-18340	-18340	1	Si
40	0.158	11.4	0	-4118	SLU 29	-4118	-10922	-76908	-18340	-18340	1	Si
60	0.158	11.4	0	-4324	SLU 29	-4324	-10922	-76908	-18340	-18340	1	Si
81	0.158	11.4	0	-4531	SLU 29	-4531	-10922	-76908	-18340	-18340	1	Si
91	0.158	11.4	0	-4634	SLU 29	-4634	-10922	-76908	-18340	-18340	1	Si
111	0.154	11.4	0	-4840	SLU 29	-4840	-10922	-76908	-17910	-17910	1	Si
131	0.154	11.4	0	-5046	SLU 29	-5046	-10922	-76908	-17910	-17910	1	Si
151	0.154	11.4	0	-5253	SLU 29	-5253	-10922	-76908	-17910	-17910	1	Si
171	0.154	11.4	0	-5459	SLU 29	-5459	-10922	-76908	-17910	-17910	1	Si
191	0.154	11.4	0	-5665	SLU 29	-5665	-10922	-76908	-17910	-17910	1	Si
212	0.158	11.4	0	-5872	SLU 29	-5872	-10922	-76908	-18340	-18340	1	Si
232	0.158	7.6	0	-6078	SLU 29	-6078	-9541	-76908	-18340	-18340	1	Si
242	0.158	12.14	0	-6181	SLU 29	-6181	-11151	-76908	-18340	-18340	1	Si
262	0.158	14.99	0	-6388	SLU 29	-6388	-11963	-76908	-18340	-18340	1	Si
280	0.158	16.41	0	-6570	SLU 29	-6570	-12331	-76908	-18340	-18340	1	Si
282	0	17.84	0	-6594	SLU 29	-6594	-12678	-76908	0	-12678	1	Si
302	0	19.01	0	-6800	SLU 29	-6800	-12949	-76908	0	-12949	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	8649	SLV 9	11491	9541	76908	0	9541	1	Si
0	0	15.72	0	-13208	SLV 7	-16050	-12156	-76908	0	-12156	1	Si
20	0	7.6	0	8491	SLV 9	11332	9541	76908	0	9541	1	Si
20	0	11.4	0	-13367	SLV 7	-16209	-10922	-76908	0	-10922	1	Si
23	0.158	7.6	0	8472	SLV 9	11314	9541	76908	18340	18340	1	Si
23	0.158	11.4	0	-13386	SLV 7	-16227	-10922	-76908	-18340	-18340	1	Si
40	0.158	7.6	0	8332	SLV 9	11173	9541	76908	18340	18340	1	Si
40	0.158	11.4	0	-13526	SLV 7	-16367	-10922	-76908	-18340	-18340	1	Si
60	0.158	11.4	0	8173	SLV 9	11015	10922	76908	18340	18340	1	Si
60	0.158	11.4	0	-13685	SLV 7	-16526	-10922	-76908	-18340	-18340	1	Si
81	0.158	11.4	0	8014	SLV 9	10856	10922	76908	18340	18340	1	Si
81	0.158	11.4	0	-13843	SLV 7	-16685	-10922	-76908	-18340	-18340	1	Si
91	0.158	11.4	0	7935	SLV 9	10777	10922	76908	18340	18340	1	Si
91	0.158	11.4	0	-13923	SLV 7	-16764	-10922	-76908	-18340	-18340	1	Si
111	0.154	11.4	0	7776	SLV 9	10618	10922	76908	17910	17910	1	Si
111	0.154	11.4	0	-14081	SLV 7	-16923	-10922	-76908	-17910	-17910	1	Si
131	0.154	11.4	0	7618	SLV 9	10459	10922	76908	17910	17910	1	Si
131	0.154	11.4	0	-14240	SLV 7	-17082	-10922	-76908	-17910	-17910	1	Si
151	0.154	11.4	0	7459	SLV 9	10301	10922	76908	17910	17910	1	Si
151	0.154	7.6	0	-14399	SLV 7	-17240	-9541	-76908	-17910	-17910	1	Si
171	0.154	11.4	0	7300	SLV 9	10142	10922	76908	17910	17910	1	Si
171	0.154	7.6	0	-14557	SLV 7	-17399	-9541	-76908	-17910	-17910	1	Si
191	0.154	11.4	0	7142	SLV 9	9983	10922	76908	17910	17910	1	Si
191	0.154	7.6	0	-14716	SLV 7	-17558	-9541	-76908	-17910	-17910	1	Si
212	0.158	11.4	0	6983	SLV 9	9824	10922	76908	18340	18340	1	Si
212	0.158	7.6	0	-14875	SLV 7	-17716	-9541	-76908	-18340	-18340	1	Si
232	0.158	11.4	0	6824	SLV 9	9666	10922	76908	18340	18340	1	Si
232	0.158	7.6	0	-15034	SLV 7	-17875	-9541	-76908	-18340	-18340	1	Si
242	0.158	11.4	0	6745	SLV 9	9586	10922	76908	18340	18340	1	Si
242	0.158	12.14	0	-15113	SLV 7	-17954	-11151	-76908	-18340	-18340	1	Si
262	0.158	11.4	0	6586	SLV 9	9428	10922	76908	18340	18340	1	Si
262	0.158	14.99	0	-15272	SLV 7	-18113	-11963	-76908	-18340	-18340	1	Si
280	0.158	11.4	0	6446	SLV 9	9287	10922	76908	18340	18340	1	Si
280	0.158	16.41	0	-15412	SLV 7	-18253	-12331	-76908	-18340	-18340	1	Si
282	0	13	0	6427	SLV 9	9269	11410	76908	0	11410	1	Si
282	0	17.84	0	-15430	SLV 7	-18272	-12678	-76908	0	-12678	1	Si
302	0	14.36	0	6269	SLV 9	9110	11794	76908	0	11794	1	Si
302	0	19.01	0	-15589	SLV 7	-18431	-12949	-76908	0	-12949	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.72	0	2557	SLD 9	2557	12156	76908	0	12156	1	Si
0	0	15.72	0	-7116	SLD 7	-7116	-12156	-76908	0	-12156	1	Si
20	0	11.4	0	2398	SLD 9	2398	10922	76908	0	10922	1	Si
20	0	11.4	0	-7274	SLD 7	-7274	-10922	-76908	0	-10922	1	Si
23	0.158	11.4	0	2379	SLD 9	2379	10922	76908	18340	18340	1	Si
23	0.158	11.4	0	-7293	SLD 7	-7293	-10922	-76908	-18340	-18340	1	Si
40	0.158	11.4	0	2239	SLD 9	2239	10922	76908	18340	18340	1	Si
40	0.158	11.4	0	-7433	SLD 7	-7433	-10922	-76908	-18340	-18340	1	Si
60	0.158	11.4	0	2080	SLD 9	2080	10922	76908	18340	18340	1	Si
60	0.158	11.4	0	-7592	SLD 7	-7592	-10922	-76908	-18340	-18340	1	Si
81	0.158	11.4	0	1922	SLD 9	1922	10922	76908	18340	18340	1	Si
81	0.158	11.4	0	-7751	SLD 7	-7751	-10922	-76908	-18340	-18340	1	Si
91	0.158	11.4	0	1842	SLD 9	1842	10922	76908	18340	18340	1	Si
91	0.158	11.4	0	-7830	SLD 7	-7830	-10922	-76908	-18340	-18340	1	Si
111	0.154	11.4	0	1684	SLD 9	1684	10922	76908	17910	17910	1	Si
111	0.154	11.4	0	-7989	SLD 7	-7989	-10922	-76908	-17910	-17910	1	Si
131	0.154	11.4	0	1525	SLD 9	1525	10922	76908	17910	17910	1	Si
131	0.154	11.4	0	-8147	SLD 7	-8147	-10922	-76908	-17910	-17910	1	Si
151	0.154	11.4	0	1366	SLD 9	1366	10922	76908	17910	17910	1	Si
151	0.154	11.4	0	-8306	SLD 7	-8306	-10922	-76908	-17910	-17910	1	Si
171	0.154	11.4	0	1208	SLD 9	1208	10922	76908	17910	17910	1	Si
171	0.154	7.6	0	-8465	SLD 7	-8465	-9541	-76908	-17910	-17910	1	Si
191	0.154	11.4	0	1049	SLD 9	1049	10922	76908	17910	17910	1	Si
191	0.154	7.6	0	-8623	SLD 7	-8623	-9541	-76908	-17910	-17910	1	Si
212	0.158	11.4	0	890	SLD 9	890	10922	76908	18340	18340	1	Si
212	0.158	7.6	0	-8782	SLD 7	-8782	-9541	-76908	-18340	-18340	1	Si
232	0.158	11.4	0	731	SLD 9	731	10922	76908	18340	18340	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
232	0.158	7.6	0	-8941	SLD 7	-8941	-9541	-76908	-18340	-18340	1	Si
242	0.158	11.4	0	652	SLD 9	652	10922	76908	18340	18340	1	Si
242	0.158	12.14	0	-9020	SLD 7	-9020	-11151	-76908	-18340	-18340	1	Si
262	0.158	11.4	0	493	SLD 9	493	10922	76908	18340	18340	1	Si
262	0.158	14.99	0	-9179	SLD 7	-9179	-11963	-76908	-18340	-18340	1	Si
280	0.158	11.4	0	353	SLD 9	353	10922	76908	18340	18340	1	Si
280	0.158	16.41	0	-9319	SLD 7	-9319	-12331	-76908	-18340	-18340	1	Si
282	0	13	0	335	SLD 9	335	11410	76908	0	11410	1	Si
282	0	17.84	0	-9338	SLD 7	-9338	-12678	-76908	0	-12678	1	Si
302	0	14.36	0	176	SLD 9	176	11794	76908	0	11794	1	Si
302	0	19.01	0	-9496	SLD 7	-9496	-12949	-76908	0	-12949	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	753506	2	723987	22	124.5	660.3	1837	687031	2	661315	20.1	93.4	0	+∞	Si
20	699155	2	698763	21.2	124.5	637.3	1837	639492	2	639142	19.4	93.4	0	+∞	Si
23	692546	2	692546	21.1	124.5	631.6	1837	633676	2	633676	19.3	93.4	0	+∞	Si
40	641630	3	692546	21.3	124.5	650.2	1837	588755	2	633676	19.5	93.4	0	+∞	Si
60	580917	3	667432	21.6	124.5	729.8	1837	534819	2	611558	19.8	93.4	0	+∞	Si
81	517006	3	608134	22.1	124.5	905.5	1837	477684	2	559038	20.3	93.4	0	+∞	Si
91	483850	3	577286	21	124.5	859.5	1837	447918	2	531578	19.3	93.4	0	+∞	Si
111	415141	3	513191	18.6	124.5	764.1	1837	385986	2	474259	17.2	93.4	0	+∞	Si
131	343234	3	445897	16.2	124.5	663.9	1837	320856	2	413743	15	93.4	0	+∞	Si
151	268129	3	375405	13.6	124.5	558.9	1837	252527	2	350028	12.7	93.4	0	+∞	Si
171	189825	3	301714	11	124.5	449.2	1837	181000	2	283114	10.3	93.4	0	+∞	Si
191	108322	3	224826	7.5	124.5	333.2	1837	106275	2	213002	7.1	93.4	0	+∞	Si
212	37284	8	144738	4.7	124.5	214.2	1837	35925	1	139692	4.5	93.4	0	+∞	Si
232	-64631	2	-197148	5.5	124.5	178.5	1837	-52771	2	-175462	4.9	93.4	0	+∞	Si
242	-109798	2	-244621	6.8	124.5	221.3	1837	-94531	2	-219529	6.1	93.4	0	+∞	Si
262	-202529	2	-287193	7.9	124.5	259.6	1837	-180451	2	-259097	7.1	93.4	0	+∞	Si
280	-287193	2	-287193	7.9	124.5	259.6	1837	-259097	2	-259097	7.1	93.4	0	+∞	Si
282	-298459	2	-297918	8.2	124.5	269.3	1837	-269569	2	-269070	7.4	93.4	0	+∞	Si
302	-397587	2	-341429	9.4	124.5	308.6	1837	-361885	2	-309530	8.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
23	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.006	2	9999	Si
40	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	2	0.01	2	9999	Si
60	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.015	2	0.013	2	9999	Si
81	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.018	2	0.016	2	9999	Si
91	0.009	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.018	2	0.016	2	9999	Si
111	0.009	0.007	0.008	0.007	0.008	0.007	0.007	0.007	0.008	0.007	0.019	2	0.017	2	9999	Si
131	0.009	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.018	2	0.016	2	9999	Si
151	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.007	0.007	0.017	2	0.015	2	9999	Si
171	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.015	2	0.014	2	9999	Si
191	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.013	2	0.012	2	9999	Si
212	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si
232	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
242	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.006	2	9999	Si
262	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.004	2	0.003	2	9999	Si
280	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
282	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	1	0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-2457	-13770	-18340	SLV 7	0.42	1011	1.155	633676	-966105	-971525	SLV 5	0.57	2474	1.666	Si
40	-2597	-13770	-18340	SLV 7	0.41	987	1.143	633676	-966105	-971489	SLV 5	0.57	2474	1.666	Si
60	-2756	-13770	-18340	SLV 7	0.41	962	1.131	611558	870028	1934954	SLV 11	0.54	2110	1.561	Si
81	-2914	-13770	-18340	SLV 7	0.41	938	1.12	559038	652863	1422093	SLV 11	0.47	1450	1.339	Si
91	-2994	-13770	-18340	SLV 7	0.4	927	1.114	531578	544715	1422093	SLV 11	0.57	2474	1.666	Si
111	-3152	-13770	-17910	SLV 7	0.39	842	1.071	474259	329582	1422093	SLV 11	0.57	2474	1.666	Si
131	-3311	-13770	-17910	SLV 7	0.38	820	1.06	221232	-566544	-970824	SLV 7	0.57	2474	1.666	Si
151	-3470	-13770	-17910	SLV 7	0.38	799	1.048	148290	-783802	-970824	SLV 7	0.51	1782	1.457	Si
171	-3629	-13770	-17910	SLV 7	0.38	778	1.037	72150	-1001875	-970824	SLV 7	0.38	785	1.041	Si
191	-3787	-13770	-17910	SLV 7	0.37	757	1.025	-7189	1220500	1422094	SLV 9	0.42	1052	1.174	Si
212	-3946	-13770	-18340	SLV 7	0.38	793	1.045	-89726	1439505	1422107	SLV 9	0.38	802	1.05	Si
232	-4105	-13770	-18340	SLV 7	0.38	771	1.033	-175462	1658777	1692080	SLV 9	0.41	950	1.126	Si
242	-4184	-13770	-18340	SLV 7	0.37	761	1.028	-219529	1768489	1772458	SLV 9	0.41	951	1.126	Si
262	-4343	-13770	-18340	SLV 7	0.37	740	1.016	-259097	-1865306	-2323187	SLV 7	0.4	911	1.106	Si
280	-4483	-13770	-18340	SLV 7	0.37	722	1.006	-259097	-1865306	-2323187	SLV 7	0.4	911	1.106	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-2457	-4836	-18340	SLD 7	0.44	1167	3.081	633676	-427516	-971525	SLD 5	0.5	1666	3.565	Si
40	-2597	-4836	-18340	SLD 7	0.44	1139	3.051	633676	-427516	-971489	SLD 5	0.5	1666	3.565	Si
60	-2756	-4836	-18340	SLD 7	0.43	1109	3.017	611558	385001	1934954	SLD 11	0.46	1316	3.237	Si
81	-2914	-4836	-18340	SLD 7	0.43	1079	2.984	559038	288902	1422093	SLD 11	0.4	910	2.782	Si
91	-2994	-4836	-18340	SLD 7	0.43	1064	2.967	531578	241045	1422093	SLD 11	0.49	1594	3.501	Si
111	-3152	-4836	-17910	SLD 7	0.41	958	2.842	474259	145845	1422093	SLD 11	0.6	2474	4.193	Si
131	-3311	-4836	-17910	SLD 7	0.41	934	2.812	221232	-250699	-970824	SLD 7	0.6	2474	4.193	Si
151	-3470	-4836	-17910	SLD 7	0.4	909	2.781	148290	-346837	-970824	SLD 7	0.43	1113	3.022	Si
171	-3629	-4836	-17910	SLD 7	0.4	885	2.751	72150	-443336	-970824	SLD 7	0.32	510	2.194	Si
191	-3787	-4836	-17910	SLD 7	0.39	861	2.72	-7189	540080	1422094	SLD 9	0.36	677	2.465	Si
212	-3946	-4836	-18340	SLD 7	0.4	902	2.772	-89726	636992	1422107	SLD 9	0.32	521	2.214	Si
232	-4105	-4836	-18340	SLD 7	0.4	879	2.743	-175462	734022	1692080	SLD 9	0.34	616	2.371	Si
242	-4184	-4836	-18340	SLD 7	0.39	866	2.727	-219529	782570	1772458	SLD 9	0.34	617	2.373	Si
262	-4343	-4836	-18340	SLD 7	0.39	842	2.695	-259097	-825413	-2323187	SLD 7	0.34	591	2.331	Si
280	-4483	-4836	-18340	SLD 7	0.39	822	2.669	-259097	-825413	-2323187	SLD 7	0.34	591	2.331	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 60A-63

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 60A - 60B, sezione R 45x70, asta 776

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	15.21	5.4	681467	SLU 30	677370	1872544	0.088						Si
22	19.01	5.4	15.21	5.4	665323	SLU 30	665230	1872544	0.088						Si
23	19.01	5.4	15.21	5.4	664664	SLU 30	664664	1872544	0.088						Si
44	19.01	5.4	15.21	5.4	632554	SLU 30	664664	1872544	0.088						Si
66	19.01	5.4	15.21	5.4	583159	SLU 30	644437	1872544	0.088						Si
88	19.01	5.4	15.21	5.4	517138	SLU 30	600392	1872544	0.088						Si
99	19.01	5.4	15.21	5.4	477893	SLU 30	572135	1872544	0.088						Si
121	19.01	5.4	15.21	5.4	386933	SLU 30	503151	1872544	0.088						Si
143	19.01	5.4	15.21	5.4	279426	SLU 29	417541	1872544	0.088						Si
165	19.01	5.4	15.21	5.4	155490	SLU 29	315306	1872544	0.088	95847	SLU 8	-35832	-2323187	0.094	Si
187	19.01	5.4	15.21	5.4	15811	SLU 20	196709	1872544	0.088	6697	SLU 17	-197848	-2323187	0.094	Si
209	19.01	5.4	15.21	5.4	-86450	SLU 1	61497	1872544	0.088	-143164	SLU 30	-377287	-2323187	0.094	Si
231	19.01	5.4	15.21	5.4						-317253	SLU 30	-573352	-2323187	0.094	Si
253	23.57	5.4	15.21	5.4						-507968	SLU 30	-786043	-2863916	0.102	Si
264	24.61	5.4	15.21	5.4						-609561	SLU 30	-898623	-2986508	0.103	Si
286	26.61	5.4	15.21	5.4						-825214	SLU 30	-1052041	-3222619	0.107	Si
307	26.61	5.4	15.21	5.4						-1052041	SLU 30	-1052041	-3222619	0.107	Si
308	26.61	5.4	15.21	5.4						-1057494	SLU 30	-1057494	-3222619	0.107	Si
330	26.61	5.4	15.21	5.4						-1306399	SLU 30	-1174916	-3222619	0.107	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	15.21	5.4	3189854	SLV 13	3047239	1872544	0.088	-2223142	SLV 3	-2088038	-2323187	0.094	No
22	19.01	5.4	15.21	5.4	2905261	SLV 13	2905133	1872544	0.088	-1964366	SLV 3	-1964366	-2323187	0.094	No
23	19.01	5.4	15.21	5.4	2898503	SLV 13	2898503	1872544	0.088	-1958597	SLV 3	-1958597	-2323187	0.094	No
44	19.01	5.4	15.21	5.4	2609366	SLV 13	2898503	1872544	0.088	-1717043	SLV 3	-1958597	-2323187	0.094	No
66	19.01	5.4	15.21	5.4	2302211	SLV 13	2705492	1872544	0.088	-1481217	SLV 3	-1795708	-2323187	0.094	No
88	19.01	5.4	15.21	5.4	1983885	SLV 13	2401955	1872544	0.088	-1256973	SLV 3	-1556177	-2323187	0.094	No
99	19.01	5.4	15.21	5.4	1820586	SLV 13	2245979	1872544	0.088	-1149249	SLV 3	-1440736	-2323187	0.094	No
121	19.01	5.4	15.21	5.4	1485954	SLV 15	1925684	1872544	0.088	-942833	SLV 1	-1218579	-2323187	0.094	No
143	19.01	5.4	15.21	5.4	1141493	SLV 15	1564595	1872544	0.088	-749343	SLV 1	-978384	-2323187	0.094	Si
165	19.01	5.4	15.21	5.4	790636	SLV 15	1253055	1872544	0.088	-572213	SLV 1	-810492	-2323187	0.094	Si
187	19.01	5.4	15.21	5.4	439970	SLV 15	903787	1872544	0.088	-418029	SLV 1	-627629	-2323187	0.094	Si
209	19.01	5.4	15.21	5.4	87371	SLV 15	552692	1872544	0.088	-284666	SLV 1	-504025	-2323187	0.094	Si
231	19.01	5.4	15.21	5.4	-25017	SLV 7	201220	1872544	0.088	-414270	SLV 9	-910190	-2323187	0.094	Si
253	23.57	5.4	15.21	5.4	73644	SLV 3	239219	1872400	0.087	-777679	SLV 13	-1328767	-2863916	0.102	Si
264	24.61	5.4	15.21	5.4	138630	SLV 3	296948	1872363	0.087	-983572	SLV 13	-1542441	-2986508	0.103	Si
286	26.61	5.4	15.21	5.4	260434	SLV 3	368613	1872306	0.087	-1404257	SLV 13	-1826523	-3222619	0.107	Si
307	26.61	5.4	15.21	5.4	368613	SLV 3	368613	1872306	0.087	-1826523	SLV 13	-1826523	-3222619	0.107	Si
308	26.61	5.4	15.21	5.4	371100	SLV 3	371022	1872306	0.087	-1836559	SLV 13	-1836513	-3222619	0.107	Si
330	26.61	5.4	15.21	5.4	470515	SLV 3	422663	1872306	0.087	-2280365	SLV 13	-2050651	-3222619	0.107	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	15.21	5.4	1681002	SLD 13	1615800	1872544	0.088	-714289	SLD 3	-656599	-2323187	0.094	Si
22	19.01	5.4	15.21	5.4	1547872	SLD 13	1547779	1872544	0.088	-606977	SLD 3	-606977	-2323187	0.094	Si
23	19.01	5.4	15.21	5.4	1544605	SLD 13	1544605	1872544	0.088	-604699	SLD 3	-604699	-2323187	0.094	Si
44	19.01	5.4	15.21	5.4	1403397	SLD 13	1544605	1872544	0.088	-511075	SLD 3	-604699	-2323187	0.094	Si
66	19.01	5.4	15.21	5.4	1247598	SLD 13	1450801	1872544	0.088	-426603	SLD 3	-541017	-2323187	0.094	Si
88	19.01	5.4	15.21	5.4	1080512	SLD 13	1298643	1872544	0.088	-353600	SLD 3	-452865	-2323187	0.094	Si
99	19.01	5.4	15.21	5.4	992760	SLD 13	1218324	1872544	0.088	-321422	SLD 3	-413081	-2323187	0.094	Si
121	19.01	5.4	15.21	5.4	808944	SLD 15	1049236	1872544	0.088	-265822	SLD 1	-342131	-2323187	0.094	Si
143	19.01	5.4	15.21	5.4	614436	SLD 15	855754	1872544	0.088	-222286	SLD 1	-269543	-2323187	0.094	Si
165	19.01	5.4	15.21	5.4	410754	SLD 15	677854	1872544	0.088	-192330	SLD 1	-235292	-2323187	0.094	Si
187	19.01	5.4	15.21	5.4	200813	SLD 15	476917	1872544	0.088	-178872	SLD 1	-203773	-2323187	0.094	Si
209	19.01	5.4	15.21	5.4	-16328	SLD 15	268828	1872544	0.088	-180967	SLD 1	-368708	-2323187	0.094	Si
231	19.01	5.4	15.21	5.4	-133524	SLD 7	54228	1872544	0.088	-305763	SLD 9	-624279	-2323187	0.094	Si
253	23.57	5.4	15.21	5.4						-540364	SLD 13	-891684	-2863916	0.102	Si
264	24.61	5.4	15.21	5.4						-670750	SLD 13	-1029705	-2986508	0.103	Si
286	26.61	5.4	15.21	5.4						-940217	SLD 13	-1214623	-3222619	0.107	Si
307	26.61	5.4	15.21	5.4						-1214623	SLD 13	-1214623	-3222619	0.107	Si
308	26.61	5.4	15.21	5.4						-1221169	SLD 13	-1221158	-3222619	0.107	Si
330	26.61	5.4	15.21	5.4						-1513553	SLD 13	-1361210	-3222619	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	-580	SLU 26	-580	-12021	-76908	0	-12021	1	Si
22	0	15.21	0	-1167	SLU 35	-1167	-12021	-76908	0	-12021	1	Si
23	0.158	15.21	0	-1182	SLU 35	-1182	-12021	-76908	-18340	-18340	1	Si
44	0.158	15.21	0	-1870	SLU 36	-1870	-12021	-76908	-18340	-18340	1	Si
66	0.158	15.21	0	-2624	SLU 30	-2624	-12021	-76908	-18340	-18340	1	Si
88	0.158	15.21	0	-3380	SLU 30	-3380	-12021	-76908	-18340	-18340	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
99	0.187	15.21	0	-3758	SLU 30	-3758	-12021	-76908	-21748	-21748	1	Si
121	0.187	15.21	0	-4514	SLU 30	-4514	-12021	-76908	-21748	-21748	1	Si
143	0.187	15.21	0	-5270	SLU 30	-5270	-12021	-76908	-21748	-21748	1	Si
165	0.187	15.21	0	-6026	SLU 30	-6026	-12021	-76908	-21748	-21748	1	Si
187	0.187	15.21	0	-6782	SLU 30	-6782	-12021	-76908	-21748	-21748	1	Si
209	0.187	19.01	0	-7538	SLU 30	-7538	-12949	-76908	-21748	-21748	1	Si
231	0.187	19.01	0	-8294	SLU 30	-8294	-12949	-76908	-21748	-21748	1	Si
253	0.201	19.01	0	-9050	SLU 30	-9050	-12949	-76908	-23342	-23342	1	Si
264	0.201	19.01	0	-9428	SLU 30	-9428	-12949	-76908	-23342	-23342	1	Si
286	0.201	19.01	0	-10184	SLU 30	-10184	-12949	-76908	-23342	-23342	1	Si
307	0.201	22.54	0	-10922	SLU 30	-10922	-13706	-76908	-23342	-23342	1	Si
308	0	22.54	0	-10940	SLU 30	-10940	-13706	-76908	0	-13706	1	Si
330	0	24.61	0	-11696	SLU 30	-11696	-14114	-76908	0	-14114	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	12035	SLV 3	15250	12949	76908	0	12949	1	Si
0	0	15.21	0	-12692	SLV 13	-15906	-12021	-76908	0	-12021	1	Si
22	0	19.01	0	11518	SLV 3	14732	12949	76908	0	12949	1	Si
22	0	15.21	0	-13209	SLV 13	-16424	-12021	-76908	0	-12021	1	Si
23	0.158	19.01	0	11506	SLV 3	14720	12949	76908	18340	18340	1	Si
23	0.158	15.21	0	-13221	SLV 13	-16436	-12021	-76908	-18340	-18340	1	Si
44	0.158	19.01	0	11001	SLV 3	14215	12949	76908	18340	18340	1	Si
44	0.158	15.21	0	-13726	SLV 13	-16941	-12021	-76908	-18340	-18340	1	Si
66	0.158	19.01	0	10483	SLV 3	13698	12949	76908	18340	18340	1	Si
66	0.158	15.21	0	-14244	SLV 13	-17458	-12021	-76908	-18340	-18340	1	Si
88	0.158	19.01	0	9966	SLV 3	13180	12949	76908	18340	18340	1	Si
88	0.158	15.21	0	-14761	SLV 13	-17976	-12021	-76908	-18340	-18340	1	Si
99	0.187	19.01	0	9707	SLV 3	12922	12949	76908	21748	21748	1	Si
99	0.187	15.21	0	-15020	SLV 13	-18234	-12021	-76908	-21748	-21748	1	Si
121	0.187	19.01	0	9190	SLV 3	12404	12949	76908	21748	21748	1	Si
121	0.187	15.21	0	-15537	SLV 13	-18752	-12021	-76908	-21748	-21748	1	Si
143	0.187	19.01	0	8673	SLV 3	11887	12949	76908	21748	21748	1	Si
143	0.187	15.21	0	-16054	SLV 13	-19269	-12021	-76908	-21748	-21748	1	Si
165	0.187	19.01	0	8155	SLV 3	11370	12949	76908	21748	21748	1	Si
165	0.187	15.21	0	-16572	SLV 13	-19786	-12021	-76908	-21748	-21748	1	Si
187	0.187	19.01	0	7638	SLV 3	10852	12949	76908	21748	21748	1	Si
187	0.187	15.21	0	-17089	SLV 13	-20304	-12021	-76908	-21748	-21748	1	Si
209	0.187	19.01	0	7121	SLV 3	10335	12949	76908	21748	21748	1	Si
209	0.187	15.21	0	-17606	SLV 13	-20821	-12021	-76908	-21748	-21748	1	Si
231	0.187	19.01	0	6603	SLV 3	9818	12949	76908	21748	21748	1	Si
231	0.187	19.01	0	-18124	SLV 13	-21338	-12949	-76908	-21748	-21748	1	Si
253	0.201	15.21	0	6086	SLV 3	9300	12021	76908	23342	23342	1	Si
253	0.201	19.01	0	-18641	SLV 13	-21856	-12949	-76908	-23342	-23342	1	Si
264	0.201	15.21	0	5827	SLV 3	9042	12021	76908	23342	23342	1	Si
264	0.201	19.01	0	-18900	SLV 13	-22114	-12949	-76908	-23342	-23342	1	Si
286	0.201	15.21	0	5310	SLV 3	8524	12021	76908	23342	23342	1	Si
286	0.201	19.01	0	-19417	SLV 13	-22632	-12949	-76908	-23342	-23342	1	Si
307	0.201	15.21	0	4804	SLV 3	8019	12021	76908	23342	23342	1	Si
307	0.201	22.54	0	-19922	SLV 13	-23137	-13706	-76908	-23342	-23342	1	Si
308	0	15.21	0	4793	SLV 3	8007	12021	76908	0	12021	1	Si
308	0	22.54	0	-19934	SLV 13	-23149	-13706	-76908	0	-13706	1	Si
330	0	15.21	0	4275	SLV 3	7490	12021	76908	0	12021	1	Si
330	0	24.61	0	-20452	SLV 13	-23666	-14114	-76908	0	-14114	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	5143	SLD 3	5143	12949	76908	0	12949	1	Si
0	0	15.21	0	-5799	SLD 13	-5799	-12021	-76908	0	-12021	1	Si
22	0	19.01	0	4625	SLD 3	4625	12949	76908	0	12949	1	Si
22	0	15.21	0	-6316	SLD 13	-6316	-12021	-76908	0	-12021	1	Si
23	0.158	19.01	0	4613	SLD 3	4613	12949	76908	18340	18340	1	Si
23	0.158	15.21	0	-6328	SLD 13	-6328	-12021	-76908	-18340	-18340	1	Si
44	0.158	19.01	0	4108	SLD 3	4108	12949	76908	18340	18340	1	Si
44	0.158	15.21	0	-6834	SLD 13	-6834	-12021	-76908	-18340	-18340	1	Si
66	0.158	19.01	0	3591	SLD 3	3591	12949	76908	18340	18340	1	Si
66	0.158	15.21	0	-7351	SLD 13	-7351	-12021	-76908	-18340	-18340	1	Si
88	0.158	19.01	0	3073	SLD 3	3073	12949	76908	18340	18340	1	Si
88	0.158	15.21	0	-7869	SLD 13	-7869	-12021	-76908	-18340	-18340	1	Si
99	0.187	19.01	0	2815	SLD 3	2815	12949	76908	21748	21748	1	Si
99	0.187	15.21	0	-8127	SLD 13	-8127	-12021	-76908	-21748	-21748	1	Si
121	0.187	19.01	0	2297	SLD 3	2297	12949	76908	21748	21748	1	Si
121	0.187	15.21	0	-8645	SLD 13	-8645	-12021	-76908	-21748	-21748	1	Si
143	0.187	19.01	0	1780	SLD 3	1780	12949	76908	21748	21748	1	Si
143	0.187	15.21	0	-9162	SLD 13	-9162	-12021	-76908	-21748	-21748	1	Si
165	0.187	19.01	0	1263	SLD 3	1263	12949	76908	21748	21748	1	Si
165	0.187	15.21	0	-9679	SLD 13	-9679	-12021	-76908	-21748	-21748	1	Si
187	0.187	19.01	0	745	SLD 3	745	12949	76908	21748	21748	1	Si
187	0.187	15.21	0	-10197	SLD 13	-10197	-12021	-76908	-21748	-21748	1	Si
209	0.187	19.01	0	228	SLD 3	228	12949	76908	21748	21748	1	Si
209	0.187	19.01	0	-10714	SLD 13	-10714	-12949	-76908	-21748	-21748	1	Si
231	0.187	19.01	0	-11231	SLD 13	-11231	-12949	-76908	-21748	-21748	1	Si
253	0.201	19.01	0	-11749	SLD 13	-11749	-12949	-76908	-23342	-23342	1	Si
264	0.201	19.01	0	-12007	SLD 13	-12007	-12949	-76908	-23342	-23342	1	Si
286	0.201	19.01	0	-12525	SLD 13	-12525	-12949	-76908	-23342	-23342	1	Si
307	0.201	22.54	0	-13030	SLD 13	-13030	-13706	-76908	-23342	-23342	1	Si
308	0	22.54	0	-13042	SLD 13	-13042	-13706	-76908	0	-13706	1	Si
330	0	24.61	0	-13559	SLD 13	-13559	-14114	-76908	0	-14114	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	507266	3	503886	14.3	124.5	563.2	1837	483356	2	479600	13.6	93.4	0	+∞	Si
22	494683	3	494614	14	124.5	552.8	1837	470448	2	470383	13.3	93.4	0	+∞	Si
23	494182	3	494182	14	124.5	552.3	1837	469953	2	469953	13.3	93.4	0	+∞	Si
44	469888	3	494182	14	124.5	552.3	1837	446161	2	469953	13.3	93.4	0	+∞	Si
66	432882	3	478850	13.6	124.5	535.2	1837	410497	2	454892	12.9	93.4	0	+∞	Si
88	383664	3	445773	12.6	124.5	498.2	1837	363456	2	422889	12	93.4	0	+∞	Si
99	354475	3	424655	12	124.5	474.6	1837	335669	2	402621	11.4	93.4	0	+∞	Si
121	286939	3	373260	10.6	124.5	417.2	1837	271561	2	353552	10	93.4	0	+∞	Si
143	207244	2	309654	8.8	124.5	346.1	1837	196075	2	293106	8.3	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
165	115468	2	233837	6.6	124.5	261.4	1837	109212	2	221281	6.3	93.4	0	+∞	Si
187	11481	2	145983	4.1	124.5	163.2	1837	10971	2	138079	3.9	93.4	0	+∞	Si
209	-105321	3	-278243	7.7	124.5	251.5	1837	-98648	2	-261326	7.2	93.4	0	+∞	Si
231	-233915	3	-422979	11.7	124.5	382.3	1837	-219644	2	-397361	11	93.4	0	+∞	Si
253	-374721	3	-579926	14.9	124.5	426.3	1837	-352018	2	-544774	14	93.4	0	+∞	Si
264	-449704	3	-662980	16.8	124.5	467.7	1837	-422471	2	-622747	15.8	93.4	0	+∞	Si
286	-608827	3	-776141	19.3	124.5	508.2	1837	-571912	2	-728955	18.1	93.4	0	+∞	Si
307	-776141	3	-776141	19.3	124.5	508.2	1837	-728955	2	-728955	18.1	93.4	0	+∞	Si
308	-780162	3	-780162	19.4	124.5	510.8	1837	-732729	2	-732729	18.2	93.4	0	+∞	Si
330	-963709	3	-866763	21.5	124.5	567.5	1837	-904925	2	-813994	20.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
23	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
44	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.006	2	9999	Si
66	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.008	2	0.008	2	9999	Si
88	0.005	0.005	0.004	0.003	0.005	0.005	0.004	0.003	0.005	0.005	0.009	2	0.008	2	9999	Si
99	0.005	0.005	0.004	0.003	0.005	0.005	0.004	0.003	0.005	0.005	0.009	2	0.008	2	9999	Si
121	0.005	0.004	0.004	0.003	0.005	0.004	0.003	0.003	0.005	0.004	0.008	2	0.007	2	9999	Si
143	0.004	0.004	0.003	0.002	0.004	0.004	0.003	0.002	0.004	0.004	0.006	2	0.006	2	9999	Si
165	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.004	2	0.004	2	9999	Si
187	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.002	2	0.002	2	9999	Si
209	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
231	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
253	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.004	1	-0.004	1	9999	Si
264	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
286	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
307	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.003	1	-0.003	1	9999	Si
308	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.003	1	-0.003	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-858	-15578	-18340	SLV 13	0.41	943	1.122	469953	2428550	1872544	SLV 13	0.22	207	0.603	No
44	-1363	-15578	-18340	SLV 13	0.4	878	1.09	469953	2428550	1872544	SLV 13	0.22	207	0.603	No
66	-1880	-15578	-18340	SLV 13	0.38	814	1.056	454892	2250600	1872544	SLV 13	0.23	250	0.651	No
88	-2398	-15578	-18340	SLV 13	0.37	753	1.023	422889	1979066	1872544	SLV 13	0.27	347	0.745	No
99	-2656	-15578	-21748	SLV 13	0.44	1187	1.233	402621	1843358	1872544	SLV 13	0.29	417	0.803	No
121	-3174	-15578	-21748	SLV 13	0.43	1104	1.197	353552	1572131	1872544	SLV 13	0.35	655	0.966	No
143	-3691	-15578	-21748	SLV 13	0.42	1024	1.161	293106	1271490	1872544	SLV 13	0.45	1230	1.251	Si
165	-4208	-15578	-21748	SLV 13	0.41	950	1.126	221281	1031774	1872544	SLV 15	0.57	2418	1.651	Si
187	-4726	-15578	-21748	SLV 13	0.4	883	1.092	138079	765708	1872544	SLV 15	0.57	2474	1.666	Si
209	-5243	-15578	-21748	SLV 13	0.38	819	1.059	43500	509192	1872544	SLV 15	0.57	2474	1.666	Si
231	-5760	-15578	-21748	SLV 13	0.37	758	1.026	-397361	-512829	-2323187	SLV 13	0.57	2474	1.666	Si
253	-6278	-15578	-23342	SLV 13	0.4	889	1.095	-544774	-783993	-2863916	SLV 13	0.57	2474	1.666	Si
264	-6536	-15578	-23342	SLV 13	0.39	856	1.078	-622747	-919694	-2986508	SLV 13	0.57	2474	1.666	Si
286	-7054	-15578	-23342	SLV 13	0.38	793	1.045	-728955	-1097568	-3222619	SLV 13	0.57	2474	1.666	Si
307	-7559	-15578	-23342	SLV 13	0.37	734	1.013	-728955	-1097568	-3222619	SLV 13	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-858	-5471	-18340	SLD 13	0.43	1085	2.991	469953	1074652	1872544	SLD 13	0.18	142	1.299	Si
44	-1363	-5471	-18340	SLD 13	0.42	1002	2.895	469953	1074652	1872544	SLD 13	0.18	142	1.299	Si
66	-1880	-5471	-18340	SLD 13	0.4	926	2.802	454892	995909	1872544	SLD 13	0.2	171	1.402	Si
88	-2398	-5471	-18340	SLD 13	0.39	857	2.715	422889	875754	1872544	SLD 13	0.23	236	1.6	Si
99	-2656	-5471	-21748	SLD 13	0.47	1370	3.291	402621	815702	1872544	SLD 13	0.25	283	1.724	Si
121	-3174	-5471	-21748	SLD 13	0.45	1274	3.194	353552	695684	1872544	SLD 13	0.3	431	2.048	Si
143	-3691	-5471	-21748	SLD 13	0.44	1182	3.097	293106	562648	1872544	SLD 13	0.38	781	2.613	Si
165	-4208	-5471	-21748	SLD 13	0.43	1093	3	221281	456573	1872544	SLD 15	0.48	1507	3.422	Si
187	-4726	-5471	-21748	SLD 13	0.42	1008	2.902	138079	338838	1872544	SLD 15	0.6	2474	4.193	Si
209	-5243	-5471	-21748	SLD 13	0.4	932	2.81	43500	225328	1872544	SLD 15	0.6	2474	4.193	Si
231	-5760	-5471	-21748	SLD 13	0.39	863	2.723	-397361	-226918	-2323187	SLD 13	0.6	2474	4.193	Si
253	-6278	-5471	-23342	SLD 13	0.42	1016	2.911	-544774	-346910	-2863916	SLD 13	0.6	2474	4.193	Si
264	-6536	-5471	-23342	SLD 13	0.41	974	2.861	-622747	-406958	-2986508	SLD 13	0.6	2474	4.193	Si
286	-7054	-5471	-23342	SLD 13	0.4	902	2.772	-728955	-485668	-3222619	SLD 13	0.6	2474	4.193	Si
307	-7559	-5471	-23342	SLD 13	0.39	836	2.687	-728955	-485668	-3222619	SLD 13	0.6	2474	4.193	Si

Campata 2 tra i fili 60B - 60C, sezione R 45x70, asta 777

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	15.21	5.4						-605217	SLU 30	-559732	-3222619	0.107	Si
22	26.61	5.4	15.21	5.4						-523431	SLU 30	-523431	-3222619	0.107	Si
23	26.61	5.4	15.21	5.4						-522916	SLU 30	-522916	-3222619	0.107	Si
45	26.61	5.4	15.21	5.4						-458789	SLU 30	-522916	-3222619	0.107	Si
67	24.52	5.4	15.21	5.4						-411292	SLU 30	-476995	-2975106	0.103	Si
89	22.41	5.4	15.21	5.4						-380940	SLU 30	-424326	-2726071	0.1	Si
101	19.01	5.4	15.21	5.4						-372193	SLU 30	-404421	-2323187	0.094	Si
123	19.01	5.4	15.21	5.4						-367558	SLU 30	-387719	-2323187	0.094	Si
145	19.01	5.4	15.21	5.4						-380067	SLU 30	-422545	-2323187	0.094	Si
168	19.01	5.4	15.21	5.4						-409721	SLU 30	-474515	-2323187	0.094	Si
190	19.01	5.4	15.21	5.4						-456520	SLU 30	-543630	-2323187	0.094	Si
212	19.01	5.4	15.21	5.4						-520463	SLU 30	-629890	-2323187	0.094	Si
235	19.01	5.4	15.21	5.4						-601551	SLU 30	-733294	-2323187	0.094	Si
257	23.46	5.4	15.21	5.4						-699784	SLU 30	-853843	-2850520	0.101	Si
268	24.52	5.4	15.21	5.4						-755330	SLU 30	-920547	-2975106	0.103	Si
290	26.61	5.4	15.21	5.4						-879280	SLU 30	-1019302	-3222619	0.107	Si
313	26.61	5.4	15.21	5.4						-1019302	SLU 30	-1019302	-3222619	0.107	Si
313	26.61	5.4	15.21	5.4						-1020387	SLU 30	-1020387	-3222619	0.107	Si
335	26.61	5.4	15.21	5.4						-1178842	SLU 30	-1094776	-3222619	0.107	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	15.21	5.4	1865091	SLV 15	1763691	1872306	0.087	-2674130	SLV 1	-2512787	-3222619	0.107	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
22	26.61	5.4	15.21	5.4	1657355	SLV 15	1657333	1872306	0.087	-2359043	SLV 1	-2359043	-3222619	0.107	Si
23	26.61	5.4	15.21	5.4	1655740	SLV 15	1655740	1872306	0.087	-2356758	SLV 1	-2356758	-3222619	0.107	Si
45	26.61	5.4	15.21	5.4	1438078	SLV 15	1655740	1872306	0.087	-2055879	SLV 1	-2356758	-3222619	0.107	Si
67	24.52	5.4	15.21	5.4	1207356	SLV 15	1505088	1872358	0.087	-1764737	SLV 1	-2146424	-2975106	0.103	Si
89	22.41	5.4	15.21	5.4	965359	SLV 15	1277809	1872422	0.087	-1485785	SLV 1	-1851646	-2726071	0.1	Si
101	19.01	5.4	15.21	5.4	840218	SLV 15	1159908	1872544	0.088	-1350966	SLV 1	-1708795	-2323187	0.094	Si
123	19.01	5.4	15.21	5.4	581936	SLV 15	915714	1872544	0.088	-1090926	SLV 1	-1432300	-2323187	0.094	Si
145	19.01	5.4	15.21	5.4	313590	SLV 15	660634	1872544	0.088	-844289	SLV 1	-1168385	-2323187	0.094	Si
168	19.01	5.4	15.21	5.4	36233	SLV 15	395259	1872544	0.088	-612105	SLV 1	-917640	-2323187	0.094	Si
190	19.01	5.4	15.21	5.4	-226013	SLV 11	120523	1872544	0.088	-418498	SLV 5	-700182	-2323187	0.094	Si
212	19.01	5.4	15.21	5.4	-130655	SLV 3	128022	1872544	0.088	-605961	SLV 13	-1020377	-2323187	0.094	Si
235	19.01	5.4	15.21	5.4	69778	SLV 3	315137	1872544	0.088	-921963	SLV 13	-1353605	-2323187	0.094	Si
257	23.46	5.4	15.21	5.4	260180	SLV 3	491126	1872393	0.087	-1251400	SLV 13	-1699173	-2850520	0.101	Si
268	24.52	5.4	15.21	5.4	351277	SLV 3	574863	1872358	0.087	-1420814	SLV 13	-1876498	-2975106	0.103	Si
290	26.61	5.4	15.21	5.4	525029	SLV 3	686168	1872306	0.087	-1768800	SLV 13	-2126135	-3222619	0.107	Si
313	26.61	5.4	15.21	5.4	686168	SLV 3	686168	1872306	0.087	-2126135	SLV 13	-2126135	-3222619	0.107	Si
313	26.61	5.4	15.21	5.4	687358	SLV 3	687219	1872306	0.087	-2128844	SLV 13	-2128744	-3222619	0.107	Si
335	26.61	5.4	15.21	5.4	838035	SLV 3	757362	1872306	0.087	-2500950	SLV 13	-2302929	-3222619	0.107	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	15.21	5.4	599825	SLD 15	571663	1872306	0.087	-1408864	SLD 1	-1320759	-3222619	0.107	Si
22	26.61	5.4	15.21	5.4	537823	SLD 15	537803	1872306	0.087	-1239511	SLD 1	-1239511	-3222619	0.107	Si
23	26.61	5.4	15.21	5.4	537296	SLD 15	537296	1872306	0.087	-1238313	SLD 1	-1238313	-3222619	0.107	Si
45	26.61	5.4	15.21	5.4	464174	SLD 15	537296	1872306	0.087	-1081975	SLD 1	-1238313	-3222619	0.107	Si
67	24.52	5.4	15.21	5.4	378919	SLD 15	487267	1872358	0.087	-936300	SLD 1	-1128602	-2975106	0.103	Si
89	22.41	5.4	15.21	5.4	282134	SLD 15	405509	1872422	0.087	-802560	SLD 1	-979345	-2726071	0.1	Si
101	19.01	5.4	15.21	5.4	229455	SLD 15	360291	1872544	0.088	-740203	SLD 1	-909177	-2323187	0.094	Si
123	19.01	5.4	15.21	5.4	115651	SLD 15	261236	1872544	0.088	-624642	SLD 1	-777822	-2323187	0.094	Si
145	19.01	5.4	15.21	5.4	-9148	SLD 15	150822	1872544	0.088	-521551	SLD 1	-658573	-2323187	0.094	Si
168	19.01	5.4	15.21	5.4	-144480	SLD 15	29311	1872544	0.088	-431392	SLD 1	-551692	-2323187	0.094	Si
190	19.01	5.4	15.21	5.4						-364821	SLD 5	-524345	-2323187	0.094	Si
212	19.01	5.4	15.21	5.4						-473422	SLD 13	-700230	-2323187	0.094	Si
235	19.01	5.4	15.21	5.4						-645483	SLD 13	-888417	-2323187	0.094	Si
257	23.46	5.4	15.21	5.4						-830020	SLD 13	-1088604	-2850520	0.101	Si
268	24.52	5.4	15.21	5.4						-926819	SLD 13	-1193160	-2975106	0.103	Si
290	26.61	5.4	15.21	5.4						-1129373	SLD 13	-1342186	-3222619	0.107	Si
313	26.61	5.4	15.21	5.4						-1342186	SLD 13	-1342186	-3222619	0.107	Si
313	26.61	5.4	15.21	5.4						-1343809	SLD 13	-1343775	-3222619	0.107	Si
335	26.61	5.4	15.21	5.4						-1570191	SLD 13	-1449855	-3222619	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	24.52	0	4053	SLU 29	4053	14096	76908	0	14096	1	Si
22	0	22.41	0	3285	SLU 29	3285	13680	76908	0	13680	1	Si
23	0.158	22.41	0	3280	SLU 29	3280	13680	76908	18340	18340	1	Si
45	0.158	19.01	0	2518	SLU 29	2518	12949	76908	18340	18340	1	Si
67	0.158	19.01	0	1750	SLU 29	1750	12949	76908	18340	18340	1	Si
89	0.158	19.01	0	982	SLU 29	982	12949	76908	18340	18340	1	Si
101	0.154	19.01	0	601	SLU 11	601	12949	76908	17895	17895	1	Si
123	0.154	19.01	0	-476	SLU 26	-476	-12949	-76908	-17895	-17895	1	Si
145	0.154	19.01	0	-1045	SLU 26	-1045	-12949	-76908	-17895	-17895	1	Si
168	0.154	19.01	0	-1712	SLU 30	-1712	-12949	-76908	-17895	-17895	1	Si
190	0.154	19.01	0	-2479	SLU 30	-2479	-12949	-76908	-17895	-17895	1	Si
212	0.154	19.01	0	-3247	SLU 30	-3247	-12949	-76908	-17895	-17895	1	Si
235	0.154	19.01	0	-4015	SLU 30	-4015	-12949	-76908	-17895	-17895	1	Si
257	0.172	19.01	0	-4782	SLU 30	-4782	-12949	-76908	-20007	-20007	1	Si
268	0.172	19.01	0	-5166	SLU 30	-5166	-12949	-76908	-20007	-20007	1	Si
290	0.172	19.01	0	-5934	SLU 30	-5934	-12949	-76908	-20007	-20007	1	Si
313	0.172	22.41	0	-6709	SLU 30	-6709	-13680	-76908	-20007	-20007	1	Si
313	0	22.41	0	-6715	SLU 30	-6715	-13680	-76908	0	-13680	1	Si
335	0	24.52	0	-7442	SLU 30	-7442	-14096	-76908	0	-14096	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	24.52	0	14399	SLV 1	17449	14096	76908	0	14096	1	Si
0	0	15.21	0	-9066	SLV 15	-12117	-12021	-76908	0	-12021	1	Si
22	0	22.41	0	13873	SLV 1	16924	13680	76908	0	13680	1	Si
22	0	15.21	0	-9592	SLV 15	-12642	-12021	-76908	0	-12021	1	Si
23	0.158	22.41	0	13869	SLV 1	16920	13680	76908	18340	18340	1	Si
23	0.158	15.21	0	-9596	SLV 15	-12646	-12021	-76908	-18340	-18340	1	Si
45	0.158	19.01	0	13348	SLV 1	16398	12949	76908	18340	18340	1	Si
45	0.158	15.21	0	-10117	SLV 15	-13168	-12021	-76908	-18340	-18340	1	Si
67	0.158	19.01	0	12822	SLV 1	15873	12949	76908	18340	18340	1	Si
67	0.158	15.21	0	-10642	SLV 15	-13693	-12021	-76908	-18340	-18340	1	Si
89	0.158	19.01	0	12297	SLV 1	15348	12949	76908	18340	18340	1	Si
89	0.158	15.21	0	-11168	SLV 15	-14218	-12021	-76908	-18340	-18340	1	Si
101	0.154	19.01	0	12034	SLV 1	15085	12949	76908	17895	17895	1	Si
101	0.154	15.21	0	-11430	SLV 15	-14481	-12021	-76908	-17895	-17895	1	Si
123	0.154	19.01	0	11509	SLV 1	14560	12949	76908	17895	17895	1	Si
123	0.154	15.21	0	-11956	SLV 15	-15006	-12021	-76908	-17895	-17895	1	Si
145	0.154	19.01	0	10984	SLV 1	14034	12949	76908	17895	17895	1	Si
145	0.154	15.21	0	-12481	SLV 15	-15532	-12021	-76908	-17895	-17895	1	Si
168	0.154	19.01	0	10458	SLV 1	13509	12949	76908	17895	17895	1	Si
168	0.154	15.21	0	-13006	SLV 15	-16057	-12021	-76908	-17895	-17895	1	Si
190	0.154	19.01	0	9933	SLV 1	12984	12949	76908	17895	17895	1	Si
190	0.154	19.01	0	-13532	SLV 15	-16582	-12949	-76908	-17895	-17895	1	Si
212	0.154	19.01	0	9408	SLV 1	12458	12949	76908	17895	17895	1	Si
212	0.154	19.01	0	-14057	SLV 15	-17108	-12949	-76908	-17895	-17895	1	Si
235	0.154	15.21	0	8882	SLV 1	11933	12021	76908	17895	17895	1	Si
235	0.154	19.01	0	-14583	SLV 15	-17633	-12949	-76908	-17895	-17895	1	Si
257	0.172	15.21	0	8357	SLV 1	11407	12021	76908	20007	20007	1	Si
257	0.172	19.01	0	-15108	SLV 15	-18158	-12949	-76908	-20007	-20007	1	Si
268	0.172	15.21	0	8094	SLV 1	11145	12021	76908	20007	20007	1	Si
268	0.172	19.01	0	-15371	SLV 15	-18421	-12949	-76908	-20007	-20007	1	Si
290	0.172	15.21	0	7569	SLV 1	10619	12021	76908	20007	20007	1	Si
290	0.172	19.01	0	-15896	SLV 15	-18946	-12949	-76908	-20007	-20007	1	Si
313	0.172	15.21	0	7039	SLV 1	10090	12021	76908	20007	20007	1	Si
313	0.172	22.41	0	-16426	SLV 15	-19476	-13680	-76908	-20007	-20007	1	Si
313	0	15.21	0	7035	SLV 1	10085	12021	76908	0	12021	1	Si
313	0	22.41	0	-16430	SLV 15	-19480	-13680	-76908	0	-13680	1	Si
335	0	15.21	0	6539	SLV 1	9589	12021	76908	0	12021	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
335	0	24.52	0	-16926	SLV 15	-19976	-14096	-76908	0	-14096	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	24.52	0	7858	SLD 1	7858	14096	76908	0	14096	1	Si
0	0	15.21	0	-2526	SLD 15	-2526	-12021	-76908	0	-12021	1	Si
22	0	22.41	0	7332	SLD 1	7332	13680	76908	0	13680	1	Si
22	0	15.21	0	-3051	SLD 15	-3051	-12021	-76908	0	-12021	1	Si
23	0.158	22.41	0	7328	SLD 1	7328	13680	76908	18340	18340	1	Si
23	0.158	15.21	0	-3055	SLD 15	-3055	-12021	-76908	-18340	-18340	1	Si
45	0.158	19.01	0	6807	SLD 1	6807	12949	76908	18340	18340	1	Si
45	0.158	15.21	0	-3576	SLD 15	-3576	-12021	-76908	-18340	-18340	1	Si
67	0.158	19.01	0	6282	SLD 1	6282	12949	76908	18340	18340	1	Si
67	0.158	15.21	0	-4102	SLD 15	-4102	-12021	-76908	-18340	-18340	1	Si
89	0.158	19.01	0	5756	SLD 1	5756	12949	76908	18340	18340	1	Si
89	0.158	15.21	0	-4627	SLD 15	-4627	-12021	-76908	-18340	-18340	1	Si
101	0.154	19.01	0	5494	SLD 1	5494	12949	76908	17895	17895	1	Si
101	0.154	15.21	0	-4890	SLD 15	-4890	-12021	-76908	-17895	-17895	1	Si
123	0.154	19.01	0	4968	SLD 1	4968	12949	76908	17895	17895	1	Si
123	0.154	15.21	0	-5415	SLD 15	-5415	-12021	-76908	-17895	-17895	1	Si
145	0.154	19.01	0	4443	SLD 1	4443	12949	76908	17895	17895	1	Si
145	0.154	19.01	0	-5940	SLD 15	-5940	-12949	-76908	-17895	-17895	1	Si
168	0.154	19.01	0	3918	SLD 1	3918	12949	76908	17895	17895	1	Si
168	0.154	19.01	0	-6466	SLD 15	-6466	-12949	-76908	-17895	-17895	1	Si
190	0.154	19.01	0	3392	SLD 1	3392	12949	76908	17895	17895	1	Si
190	0.154	19.01	0	-6991	SLD 15	-6991	-12949	-76908	-17895	-17895	1	Si
212	0.154	19.01	0	2867	SLD 1	2867	12949	76908	17895	17895	1	Si
212	0.154	19.01	0	-7516	SLD 15	-7516	-12949	-76908	-17895	-17895	1	Si
235	0.154	19.01	0	2342	SLD 1	2342	12949	76908	17895	17895	1	Si
235	0.154	19.01	0	-8042	SLD 15	-8042	-12949	-76908	-17895	-17895	1	Si
257	0.172	19.01	0	1816	SLD 1	1816	12949	76908	20007	20007	1	Si
257	0.172	19.01	0	-8567	SLD 15	-8567	-12949	-76908	-20007	-20007	1	Si
268	0.172	19.01	0	1554	SLD 1	1554	12949	76908	20007	20007	1	Si
268	0.172	19.01	0	-8830	SLD 15	-8830	-12949	-76908	-20007	-20007	1	Si
290	0.172	19.01	0	1028	SLD 1	1028	12949	76908	20007	20007	1	Si
290	0.172	19.01	0	-9355	SLD 15	-9355	-12949	-76908	-20007	-20007	1	Si
313	0.172	22.41	0	498	SLD 1	498	13680	76908	20007	20007	1	Si
313	0.172	22.41	0	-9885	SLD 15	-9885	-13680	-76908	-20007	-20007	1	Si
313	0	22.41	0	494	SLD 1	494	13680	76908	0	13680	1	Si
313	0	22.41	0	-9889	SLD 15	-9889	-13680	-76908	0	-13680	1	Si
335	0	24.52	0	-10385	SLD 15	-10385	-14096	-76908	0	-14096	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-440433	3	-407486	10.1	124.5	266.8	1837	-404519	2	-374548	9.3	93.4	0	+∞	Si
22	-381278	3	-381278	9.5	124.5	249.6	1837	-350844	2	-350844	8.7	93.4	0	+∞	Si
23	-380907	3	-380907	9.5	124.5	249.4	1837	-350509	2	-350509	8.7	93.4	0	+∞	Si
45	-334715	3	-380907	9.5	124.5	249.4	1837	-308901	2	-350509	8.7	93.4	0	+∞	Si
67	-300745	3	-347811	8.8	124.5	246.3	1837	-278690	2	-320668	8.2	93.4	0	+∞	Si
89	-279368	3	-310042	8.1	124.5	239.3	1837	-260213	2	-286918	7.5	93.4	0	+∞	Si
101	-273402	3	-295880	8.2	124.5	267.4	1837	-255374	2	-274443	7.6	93.4	0	+∞	Si
123	-270914	3	-286916	7.9	124.5	259.3	1837	-254495	2	-271278	7.5	93.4	0	+∞	Si
145	-281019	3	-313412	8.6	124.5	283.3	1837	-265349	2	-297404	8.2	93.4	0	+∞	Si
168	-303717	3	-352501	9.7	124.5	318.6	1837	-287936	2	-335262	9.2	93.4	0	+∞	Si
190	-339007	3	-404183	11.1	124.5	365.3	1837	-322256	2	-384853	10.6	93.4	0	+∞	Si
212	-386890	3	-468457	12.9	124.5	423.4	1837	-368308	2	-446177	12.3	93.4	0	+∞	Si
235	-447366	3	-545325	15	124.5	492.9	1837	-426093	2	-519234	14.3	93.4	0	+∞	Si
257	-520435	3	-634785	16.4	124.5	468.8	1837	-495610	2	-604023	15.6	93.4	0	+∞	Si
268	-561692	3	-684237	17.4	124.5	484.5	1837	-534769	2	-650818	16.6	93.4	0	+∞	Si
290	-653650	3	-757406	18.8	124.5	495.9	1837	-621885	2	-719983	17.9	93.4	0	+∞	Si
313	-757406	3	-757406	18.8	124.5	495.9	1837	-719983	2	-719983	17.9	93.4	0	+∞	Si
313	-758210	3	-758210	18.8	124.5	496.4	1837	-720743	2	-720743	17.9	93.4	0	+∞	Si
335	-875505	3	-813301	20.2	124.5	532.5	1837	-831457	2	-772783	19.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
23	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
45	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.01	1	-0.011	1	9999	Si
67	-0.007	-0.008	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.014	1	-0.015	1	9999	Si
89	-0.008	-0.009	-0.007	-0.009	-0.008	-0.009	-0.007	-0.008	-0.008	-0.009	-0.017	1	-0.019	1	9999	Si
101	-0.009	-0.01	-0.008	-0.009	-0.009	-0.01	-0.008	-0.009	-0.009	-0.009	-0.018	1	-0.02	1	9999	Si
123	-0.01	-0.011	-0.009	-0.01	-0.01	-0.011	-0.009	-0.01	-0.01	-0.011	-0.021	1	-0.023	1	9999	Si
145	-0.011	-0.012	-0.01	-0.011	-0.011	-0.012	-0.01	-0.011	-0.011	-0.011	-0.022	1	-0.024	1	9999	Si
168	-0.011	-0.013	-0.01	-0.012	-0.011	-0.012	-0.01	-0.011	-0.011	-0.012	-0.023	1	-0.025	1	9999	Si
190	-0.011	-0.013	-0.01	-0.012	-0.011	-0.012	-0.01	-0.011	-0.011	-0.012	-0.024	1	-0.026	1	9999	Si
212	-0.011	-0.013	-0.01	-0.011	-0.011	-0.012	-0.01	-0.011	-0.011	-0.012	-0.023	1	-0.025	1	9999	Si
235	-0.01	-0.012	-0.009	-0.011	-0.01	-0.011	-0.009	-0.01	-0.01	-0.011	-0.022	1	-0.024	1	9999	Si
257	-0.009	-0.011	-0.008	-0.01	-0.009	-0.01	-0.008	-0.009	-0.009	-0.01	-0.019	1	-0.021	1	9999	Si
268	-0.009	-0.01	-0.008	-0.009	-0.009	-0.009	-0.008	-0.008	-0.009	-0.009	-0.018	1	-0.019	1	9999	Si
290	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.013	1	-0.014	1	9999	Si
313	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
313	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.007	1	-0.008	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	2137	14783	18340	SLV 1	0.4	890	1.096	-350509	2006249	1872306	SLV 15	0.4	914	1.108	Si
45	1615	14783	18340	SLV 1	0.41	961	1.131	-350509	2006249	1872306	SLV 15	0.4	914	1.108	Si
67	1090	14783	18340	SLV 1	0.42	1042	1.169	-320668	1825756	1872358	SLV 15	0.43	1125	1.206	Si
89	565	14783	18340	SLV 1	0.43	1128	1.208	-286918	1564728	1872422	SLV 15	0.49	1627	1.403	Si
101	302	14783	17895	SLV 1	0.43	1098	1.194	-274443	-1434351	-2323187	SLV 1	0.51	1783	1.457	Si
123	-223	-14783	-17895	SLV 15	0.43	1111	1.2	-258293	-1174007	-2323187	SLV 1	0.57	2474	1.666	Si
145	-749	-14783	-17895	SLV 15	0.42	1026	1.162	-253875	-914509	-2323187	SLV 1	0.57	2474	1.666	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
168	-1274	-14783	-17895	SLV 15	0.41	947	1.124	-261190	-656450	-2323187	SLV 1	0.57	2474	1.666	Si
190	-1799	-14783	-17895	SLV 15	0.39	876	1.089	-280238	-400762	-2323187	SLV 1	0.57	2474	1.666	Si
212	-2325	-14783	-17895	SLV 15	0.38	807	1.053	-446177	-574200	-2323187	SLV 13	0.57	2474	1.666	Si
235	-2850	-14783	-17895	SLV 15	0.37	743	1.018	-519234	-834371	-2323187	SLV 13	0.57	2474	1.666	Si
257	-3375	-14783	-20007	SLV 15	0.41	948	1.125	-604023	-1095149	-2850520	SLV 13	0.57	2474	1.666	Si
268	-3638	-14783	-20007	SLV 15	0.4	912	1.107	-650818	-1225681	-2975106	SLV 13	0.57	2474	1.666	Si
290	-4163	-14783	-20007	SLV 15	0.39	842	1.071	-719983	-1406152	-3222619	SLV 13	0.57	2474	1.666	Si
313	-4693	-14783	-20007	SLV 15	0.38	775	1.035	-719983	-1406152	-3222619	SLV 13	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	2137	5192	18340	SLD 1	0.42	1017	2.912	-350509	887804	1872306	SLD 15	0.34	592	2.333	Si
45	1615	5192	18340	SLD 1	0.43	1109	3.017	-350509	887804	1872306	SLD 15	0.34	592	2.333	Si
67	1090	5192	18340	SLD 1	0.44	1203	3.12	-320668	807935	1872358	SLD 15	0.37	721	2.529	Si
89	565	5192	18340	SLD 1	0.46	1303	3.224	-286918	692427	1872422	SLD 15	0.42	1015	2.91	Si
101	302	5192	17895	SLD 1	0.45	1268	3.188	-274443	-634734	-2323187	SLD 1	0.43	1114	3.023	Si
123	-223	-5192	-17895	SLD 15	0.45	1283	3.203	-258293	-519529	-2323187	SLD 1	0.53	1939	3.794	Si
145	-749	-5192	-17895	SLD 15	0.44	1184	3.1	-253875	-404698	-2323187	SLD 1	0.6	2474	4.193	Si
168	-1274	-5192	-17895	SLD 15	0.43	1090	2.996	-261190	-290502	-2323187	SLD 1	0.6	2474	4.193	Si
190	-1799	-5192	-17895	SLD 15	0.42	999	2.891	-280238	-177352	-2323187	SLD 1	0.6	2474	4.193	Si
212	-2325	-5192	-17895	SLD 15	0.4	919	2.794	-446177	-254052	-2323187	SLD 13	0.6	2474	4.193	Si
235	-2850	-5192	-17895	SLD 15	0.39	845	2.699	-519234	-369183	-2323187	SLD 13	0.6	2474	4.193	Si
257	-3375	-5192	-20007	SLD 15	0.43	1092	2.998	-604023	-484581	-2850520	SLD 13	0.6	2474	4.193	Si
268	-3638	-5192	-20007	SLD 15	0.42	1045	2.945	-650818	-542343	-2975106	SLD 13	0.56	2372	4.121	Si
290	-4163	-5192	-20007	SLD 15	0.41	959	2.843	-719983	-622203	-3222619	SLD 13	0.53	2002	3.844	Si
313	-4693	-5192	-20007	SLD 15	0.4	882	2.747	-719983	-622203	-3222619	SLD 13	0.53	2002	3.844	Si

Campata 3 tra i fili 60C - 61, sezione R 45x70, asta 778

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	15.21	5.4						-1207384	SLU 30	-1101942	-3222619	0.107	Si
21	26.61	5.4	15.21	5.4						-1017820	SLU 30	-1017592	-3222619	0.107	Si
23	26.61	5.4	15.21	5.4						-1004991	SLU 30	-1004991	-3222619	0.107	Si
42	26.61	5.4	15.21	5.4						-843664	SLU 30	-1004991	-3222619	0.107	Si
63	24.9	5.4	15.21	5.4						-684658	SLU 30	-909279	-3020065	0.104	Si
73	23.91	5.4	15.21	5.4						-610832	SLU 30	-824967	-2903127	0.102	Si
94	19.01	5.4	15.21	5.4						-474535	SLU 30	-667700	-2323187	0.094	Si
115	19.01	5.4	15.21	5.4						-353378	SLU 30	-525572	-2323187	0.094	Si
136	19.01	5.4	15.21	5.4						-249344	SLU 36	-398584	-2323187	0.094	Si
157	19.01	5.4	15.21	5.4						-169427	SLU 24	-287582	-2323187	0.094	Si
178	19.01	5.4	15.21	5.4	-52317	SLU 12	16020	1872544	0.088	-112828	SLU 19	-195583	-2323187	0.094	Si
199	21.32	5.4	23.96	6.5	-306	SLU 12	50261	2856216	0.099	-69090	SLU 19	-133010	-2650197	0.106	Si
220	22.31	5.4	29.61	6.9	38876	SLU 12	71673	3490941	0.106	-36581	SLU 19	-84855	-2800618	0.113	Si
231	22.81	5.4	30.41	6.9	53656	SLU 12	77568	3580946	0.107	-24537	SLU 19	-65034	-2862523	0.114	Si
252	26.6	5.4	30.41	6.9	73594	SLU 12	80704	3580878	0.103	-8870	SLU 19	-33814	-3289914	0.12	Si
273	28.57	5.4	30.41	6.9	80704	SLU 12	80704	3580764	0.102	-4431	SLU 19	-13823	-3511046	0.124	Si
292	30.41	5.4	30.41	6.9	76898	SLU 18	80704	3580725	0.101	-10529	SLU 19	-10529	-3716232	0.127	Si
294	30.41	5.4	30.41	6.9	76504	SLU 18	76368	3580725	0.101	-11221	SLU 19	-11221	-3716232	0.127	Si
315	30.41	5.4	30.41	6.9	62053	SLU 18	62053	3580725	0.101	-29239	SLU 19	-16744	-3716232	0.127	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	15.21	5.4	1533336	SLV 15	1379987	1872306	0.087	-3212031	SLV 1	-2914959	-3222619	0.107	Si
21	26.61	5.4	15.21	5.4	1272334	SLV 15	1269488	1872306	0.087	-2692684	SLV 1	-2689527	-3222619	0.107	Si
23	26.61	5.4	15.21	5.4	1252980	SLV 15	1252980	1872306	0.087	-2655849	SLV 1	-2655849	-3222619	0.107	Si
42	26.61	5.4	15.21	5.4	1001570	SLV 15	1252980	1872306	0.087	-2184647	SLV 1	-2655849	-3222619	0.107	Si
63	24.9	5.4	15.21	5.4	722171	SLV 15	1106750	1872347	0.087	-1688708	SLV 1	-2379212	-3020065	0.104	Si
73	23.91	5.4	15.21	5.4	579953	SLV 15	969704	1872387	0.087	-1445990	SLV 1	-2127316	-2903127	0.102	Si
94	19.01	5.4	15.21	5.4	293629	SLV 15	689503	1872544	0.088	-974209	SLV 1	-1632955	-2323187	0.094	Si
115	19.01	5.4	15.21	5.4	10757	SLV 15	403936	1872544	0.088	-526601	SLV 1	-1153949	-2323187	0.094	Si
136	19.01	5.4	15.21	5.4	12884	SLV 3	623254	1872544	0.088	-384713	SLV 13	-830289	-2323187	0.094	Si
157	19.01	5.4	15.21	5.4	453195	SLV 3	1059602	1872544	0.088	-701730	SLV 13	-1172046	-2323187	0.094	Si
178	19.01	5.4	15.21	5.4	892781	SLV 3	1486640	1872544	0.088	-1038744	SLV 13	-1525214	-2323187	0.094	Si
199	21.32	5.4	23.96	6.5	1323538	SLV 3	1903773	2856216	0.099	-1387650	SLV 13	-1889198	-2650197	0.106	Si
220	22.31	5.4	29.61	6.9	1744527	SLV 3	2310791	3490941	0.106	-1747510	SLV 13	-2263789	-2800618	0.113	Si
231	22.81	5.4	30.41	6.9	1951260	SLV 3	2510475	3580946	0.107	-1931449	SLV 13	-2455029	-2862523	0.114	Si
252	26.6	5.4	30.41	6.9	2357111	SLV 3	2902155	3580878	0.103	-2307253	SLV 13	-2845365	-3289914	0.12	Si
273	28.57	5.4	30.41	6.9	2752743	SLV 3	3110509	3580764	0.102	-2693558	SLV 13	-3061525	-3511046	0.124	Si
292	30.41	5.4	30.41	6.9	3110509	SLV 3	3110509	3580725	0.101	-3061525	SLV 13	-3061525	-3716232	0.127	Si
294	30.41	5.4	30.41	6.9	3138107	SLV 3	3137072	3580725	0.101	-3090318	SLV 13	-3089499	-3716232	0.127	Si
315	30.41	5.4	30.41	6.9	3513176	SLV 3	3314881	3580725	0.101	-3497503	SLV 13	-3276758	-3716232	0.127	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	15.21	5.4	210636	SLD 15	182830	1872306	0.087	-1889331	SLD 1	-1717802	-3222619	0.107	Si
21	26.61	5.4	15.21	5.4	167138	SLD 15	165965	1872306	0.087	-1587488	SLD 1	-1586004	-3222619	0.107	Si
23	26.61	5.4	15.21	5.4	163445	SLD 15	163445	1872306	0.087	-1566314	SLD 1	-1566314	-3222619	0.107	Si
42	26.61	5.4	15.21	5.4	113445	SLD 15	163445	1872306	0.087	-1296521	SLD 1	-1566314	-3222619	0.107	Si
63	24.9	5.4	15.21	5.4	50149	SLD 15	135079	1872347	0.087	-1016686	SLD 1	-1407541	-3020065	0.104	Si
73	23.91	5.4	15.21	5.4	15218	SLD 15	106440	1872387	0.087	-881255	SLD 1	-1264052	-2903127	0.102	Si
94	19.01	5.4	15.21	5.4	-59821	SLD 15	42125	1872544	0.088	-620759	SLD 1	-985577	-2323187	0.094	Si
115	19.01	5.4	15.21	5.4						-376667	SLD 1	-719665	-2323187	0.094	Si
136	19.01	5.4	15.21	5.4	-98157	SLD 3	218060	1872544	0.088	-273672	SLD 13	-468889	-2323187	0.094	Si
157	19.01	5.4	15.21	5.4	131221	SLD 3	437547	1872544	0.088	-379756	SLD 13	-549990	-2323187	0.094	Si
178	19.01	5.4	15.21	5.4	354374	SLD 3	647127	1872544	0.088	-500337	SLD 13	-685701	-2323187	0.094	Si
199	21.32	5.4	23.96	6.5	567826	SLD 3	846544	2856216	0.099	-631939	SLD 13	-831969	-2650197	0.106	Si
220	22.31	5.4	29.61	6.9	771176	SLD 3	1035708	3490941	0.106	-774159	SLD 13	-988705	-2800618	0.113	Si
231	22.81	5.4	30.41	6.9	869019	SLD 3	1126431	3580946	0.107	-849208	SLD 13	-1070985	-2862523	0.114	Si
252	26.6	5.4	30.41	6.9	1057003	SLD 3	1300142	3580878	0.103	-1007144	SLD 13	-1243351	-3289914	0.12	Si
273	28.57	5.4	30.41	6.9	1234687	SLD 3	1390171	3580764	0.102	-1175503	SLD 13	-1341187	-3511046	0.124	Si
292	30.41	5.4	30.41	6.9	1390171	SLD 3	1390171	3580725	0.101	-1341187	SLD 13	-1341187	-3716232	0.127	Si
294	30.41	5.4	30.41	6.9	1402052	SLD 3	1401533	3580725	0.101	-1354262	SLD 13	-1353961	-3716232	0.127	Si
315	30.41	5.4	30.41	6.9	1559084	SLD 3	1477587	3580725	0.101	-1543411	SLD 13	-1439464	-3716232	0.127	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	24.9	0	9393	SLU 30	9393	14168	76908	0	14168	1	Si
21	0	22.92	0	8672	SLU 30	8672	13783	76908	0	13783	1	Si
23	0.259	22.92	0	8618	SLU 30	8618	13783	76908	30011	30011	1	Si
42	0.259	19.01	0	7937	SLU 30	7937	12949	76908	30011	30011	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
63	0.259	19.01	0	7216	SLU 30	7216	12949	76908	30011	30011	1	Si
73	0.259	19.01	0	6855	SLU 30	6855	12949	76908	30011	30011	1	Si
94	0.24	19.01	0	6134	SLU 30	6134	12949	76908	27873	27873	1	Si
115	0.24	19.01	0	5412	SLU 30	5412	12949	76908	27873	27873	1	Si
136	0.24	21.32	0	4691	SLU 30	4691	13456	76908	27873	27873	1	Si
157	0.24	19.01	0	3970	SLU 30	3970	12949	76908	27873	27873	1	Si
178	0.24	19.01	0	3248	SLU 30	3248	12949	76908	27873	27873	1	Si
199	0.24	19.01	0	2527	SLU 30	2527	12949	76908	27873	27873	1	Si
220	0.24	15.21	0	1838	SLU 36	1838	11888	75171	27243	27243	1	Si
231	0.23	15.21	0	1497	SLU 36	1497	11884	75123	26057	26057	1	Si
252	0.23	15.21	0	817	SLU 36	817	11884	75123	26057	26057	1	Si
273	0.23	26.78	0	202	SLU 17	202	14352	75123	26057	26057	1	Si
273	0.23	26.78	0	-105	SLU 20	-105	-14352	-75123	-26057	-26057	1	Si
292	0.23	30.41	0	-728	SLU 20	-728	-14973	-75123	-26057	-26057	1	Si
294	0	30.41	0	-776	SLU 20	-776	-14973	-75123	0	-14973	1	Si
315	0	30.41	0	-1479	SLU 29	-1479	-14973	-75123	0	-14973	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	24.9	0	25051	SLV 3	29900	14168	76908	0	14168	1	Si
0	0	15.21	0	-12247	SLV 13	-17096	-12021	-76908	0	-12021	1	Si
21	0	22.92	0	24557	SLV 3	29406	13783	76908	0	13783	1	Si
21	0	15.21	0	-12741	SLV 13	-17590	-12021	-76908	0	-12021	1	Si
23	0.259	22.92	0	24520	SLV 3	29369	13783	76908	30011	30011	1	Si
23	0.259	15.21	0	-12778	SLV 13	-17627	-12021	-76908	-30011	-30011	1	Si
42	0.259	19.01	0	24055	SLV 3	28904	12949	76908	30011	30011	1	Si
42	0.259	15.21	0	-13243	SLV 13	-18092	-12021	-76908	-30011	-30011	1	Si
63	0.259	19.01	0	23561	SLV 3	28410	12949	76908	30011	30011	1	Si
63	0.259	15.21	0	-13737	SLV 13	-18586	-12021	-76908	-30011	-30011	1	Si
73	0.259	19.01	0	23314	SLV 3	28163	12949	76908	30011	30011	1	Si
73	0.259	15.21	0	-13984	SLV 13	-18833	-12021	-76908	-30011	-30011	1	Si
94	0.24	19.01	0	22821	SLV 3	27669	12949	76908	27873	27873	1	Si
94	0.24	15.21	0	-14478	SLV 13	-19326	-12021	-76908	-27873	-27873	1	Si
115	0.24	19.01	0	22327	SLV 3	27176	12949	76908	27873	27873	1	Si
115	0.24	19.01	0	-14971	SLV 13	-19820	-12949	-76908	-27873	-27873	1	Si
136	0.24	15.21	0	21833	SLV 3	26682	12021	76908	27873	27873	1	Si
136	0.24	21.32	0	-15465	SLV 13	-20314	-13456	-76908	-27873	-27873	1	Si
157	0.24	15.21	0	21340	SLV 3	26188	12021	76908	27873	27873	1	Si
157	0.24	19.01	0	-15959	SLV 13	-20807	-12949	-76908	-27873	-27873	1	Si
178	0.24	15.21	0	20846	SLV 3	25695	12021	76908	27873	27873	1	Si
178	0.24	19.01	0	-16452	SLV 13	-21301	-12949	-76908	-27873	-27873	1	Si
199	0.24	15.21	0	20352	SLV 3	25201	11921	75604	27400	27400	1	Si
199	0.24	19.01	0	-16946	SLV 13	-21795	-12949	-76908	-27873	-27873	1	Si
220	0.24	15.21	0	19859	SLV 3	24707	11888	75171	27243	27243	1	Si
220	0.24	19.01	0	-17440	SLV 13	-22288	-12949	-76908	-27873	-27873	1	Si
231	0.23	15.21	0	19612	SLV 3	24461	11884	75123	26057	26057	1	Si
231	0.23	19.01	0	-17686	SLV 13	-22535	-12949	-76908	-26676	-26676	1	Si
252	0.23	15.21	0	19118	SLV 3	23967	11884	75123	26057	26057	1	Si
252	0.23	20.83	0	-18180	SLV 13	-23029	-13351	-76908	-26676	-26676	1	Si
273	0.23	26.78	0	18624	SLV 3	23473	14352	75123	26057	26057	1	Si
273	0.23	21.82	0	-18674	SLV 13	-23523	-13559	-76908	-26676	-26676	1	Si
292	0.23	30.41	0	18166	SLV 3	23015	14973	75123	26057	26057	1	Si
292	0.23	22.81	0	-19132	SLV 13	-23981	-13761	-76908	-26676	-26676	1	Si
294	0	30.41	0	18131	SLV 3	22980	14973	75123	0	14973	1	Si
294	0	22.81	0	-19167	SLV 13	-24016	-13761	-76908	0	-13761	1	Si
315	0	30.41	0	17637	SLV 3	22486	14973	75123	0	14973	1	Si
315	0	26.6	0	-19661	SLV 13	-24510	-14484	-76908	0	-14484	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	24.9	0	14655	SLD 3	14655	14168	76908	0	14168	1	Si
0	0	15.21	0	-1851	SLD 13	-1851	-12021	-76908	0	-12021	1	Si
21	0	22.92	0	14161	SLD 3	14161	13783	76908	0	13783	1	Si
21	0	15.21	0	-2345	SLD 13	-2345	-12021	-76908	0	-12021	1	Si
23	0.259	22.92	0	14124	SLD 3	14124	13783	76908	30011	30011	1	Si
23	0.259	15.21	0	-2382	SLD 13	-2382	-12021	-76908	-30011	-30011	1	Si
42	0.259	19.01	0	13659	SLD 3	13659	12949	76908	30011	30011	1	Si
42	0.259	15.21	0	-2847	SLD 13	-2847	-12021	-76908	-30011	-30011	1	Si
63	0.259	19.01	0	13165	SLD 3	13165	12949	76908	30011	30011	1	Si
63	0.259	15.21	0	-3341	SLD 13	-3341	-12021	-76908	-30011	-30011	1	Si
73	0.259	19.01	0	12918	SLD 3	12918	12949	76908	30011	30011	1	Si
73	0.259	19.01	0	-3588	SLD 13	-3588	-12949	-76908	-30011	-30011	1	Si
94	0.24	19.01	0	12425	SLD 3	12425	12949	76908	27873	27873	1	Si
94	0.24	19.01	0	-4081	SLD 13	-4081	-12949	-76908	-27873	-27873	1	Si
115	0.24	19.01	0	11931	SLD 3	11931	12949	76908	27873	27873	1	Si
115	0.24	19.01	0	-4575	SLD 13	-4575	-12949	-76908	-27873	-27873	1	Si
136	0.24	21.32	0	11437	SLD 3	11437	13456	76908	27873	27873	1	Si
136	0.24	21.32	0	-5069	SLD 13	-5069	-13456	-76908	-27873	-27873	1	Si
157	0.24	15.21	0	10944	SLD 3	10944	12021	76908	27873	27873	1	Si
157	0.24	19.01	0	-5562	SLD 13	-5562	-12949	-76908	-27873	-27873	1	Si
178	0.24	15.21	0	10450	SLD 3	10450	12021	76908	27873	27873	1	Si
178	0.24	19.01	0	-6056	SLD 13	-6056	-12949	-76908	-27873	-27873	1	Si
199	0.24	15.21	0	9956	SLD 3	9956	11921	75604	27400	27400	1	Si
199	0.24	19.01	0	-6550	SLD 13	-6550	-12949	-76908	-27873	-27873	1	Si
220	0.24	15.21	0	9463	SLD 3	9463	11888	75171	27243	27243	1	Si
220	0.24	19.01	0	-7043	SLD 13	-7043	-12949	-76908	-27873	-27873	1	Si
231	0.23	15.21	0	9216	SLD 3	9216	11884	75123	26057	26057	1	Si
231	0.23	19.01	0	-7290	SLD 13	-7290	-12949	-76908	-26676	-26676	1	Si
252	0.23	15.21	0	8722	SLD 3	8722	11884	75123	26057	26057	1	Si
252	0.23	20.83	0	-7784	SLD 13	-7784	-13351	-76908	-26676	-26676	1	Si
273	0.23	26.78	0	8228	SLD 3	8228	14352	75123	26057	26057	1	Si
273	0.23	21.82	0	-8278	SLD 13	-8278	-13559	-76908	-26676	-26676	1	Si
292	0.23	30.41	0	7770	SLD 3	7770	14973	75123	26057	26057	1	Si
292	0.23	22.81	0	-8736	SLD 13	-8736	-13761	-76908	-26676	-26676	1	Si
294	0	30.41	0	7735	SLD 3	7735	14973	75123	0	14973	1	Si
294	0	22.81	0	-8771	SLD 13	-8771	-13761	-76908	0	-13761	1	Si
315	0	30.41	0	7241	SLD 3	7241	14973	75123	0	14973	1	Si
315	0	26.6	0	-9265	SLD 13	-9265	-14484	-76908	0	-14484	1	Si

Verifiche delle tensioni in esercizio

x	Rara	Quasi permanente	Verifica

	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-891477	3	-814189	20.2	124.5	533.1	1837	-839348	2	-767486	19	93.4	0	+∞	Si
21	-752540	3	-752373	18.7	124.5	492.6	1837	-710175	2	-710019	17.6	93.4	0	+∞	Si
23	-743138	3	-743138	18.4	124.5	486.6	1837	-701434	2	-701434	17.4	93.4	0	+∞	Si
42	-624917	3	-743138	18.4	124.5	486.6	1837	-591538	2	-701434	17.4	93.4	0	+∞	Si
63	-508421	3	-672997	17	124.5	469.6	1837	-483268	2	-636231	16.1	93.4	0	+∞	Si
73	-454343	3	-611218	15.7	124.5	443.3	1837	-433019	2	-578806	14.8	93.4	0	+∞	Si
94	-354527	3	-495999	13.7	124.5	448.3	1837	-340290	2	-471726	13	93.4	0	+∞	Si
115	-265831	3	-391900	10.8	124.5	354.2	1837	-257922	2	-375007	10.3	93.4	0	+∞	Si
136	-189578	9	-298921	8.2	124.5	270.2	1837	-185915	2	-288648	8	93.4	0	+∞	Si
157	-128903	6	-217627	6	124.5	196.7	1837	-127814	1	-212650	5.9	93.4	0	+∞	Si
178	-81810	1	-150029	4.1	124.5	135.6	1837	-81810	1	-148196	4.1	93.4	0	+∞	Si
199	-45027	1	-98702	2.4	124.5	79.8	1837	-45027	1	-98640	2.4	93.4	0	+∞	Si
220	10845	3	38071	0.9	124.5	23.7	1837								Si
220	-17465	1	-58306	1.4	124.5	45.1	1837	-17465	1	-58306	1.4	93.4	0	+∞	Si
231	23222	3	42746	1	124.5	25.9	1837	9906	2	27723	0.6	93.4	0	+∞	Si
231	-7142	1	-41596	1	124.5	31.5	1837	-7142	1	-41596	1	93.4	0	+∞	Si
252	39637	3	44931	1	124.5	27.1	1837	24929	2	29592	0.6	93.4	0	+∞	Si
273	44931	3	44931	1	124.5	27.1	1837	29592	2	29592	0.6	93.4	0	+∞	Si
292	40573	9	44931	0.9	124.5	27.1	1837	24492	2	29592	0.6	93.4	0	+∞	Si
294	40118	9	40003	0.8	124.5	24.1	1837	23895	2	23786	0.5	93.4	0	+∞	Si
315	25905	9	25905	0.5	124.5	15.6	1837	7836	2	7836	0.2	93.4	0	+∞	Si
315	-7553	1	-2246	0	124.5	1.3	1837	-7553	1	-2246	0	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	1	-0.005	1	9999	Si
23	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
42	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
63	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
73	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.012	1	-0.012	1	9999	Si
94	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.012	1	-0.013	1	9999	Si
105	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
115	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
136	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.012	1	-0.012	1	9999	Si
157	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	2	-0.011	2	9999	Si
178	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	2	-0.01	2	9999	Si
199	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
220	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
231	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.006	2	-0.006	2	9999	Si
252	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si
273	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
292	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
294	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	2	-0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5871	23498	30011	SLV 3	0.37	760	1.027	-701434	-1954415	-3222619	SLV 1	0.46	1359	1.303	Si
42	5406	23498	30011	SLV 3	0.38	796	1.047	-701434	-1954415	-3222619	SLV 1	0.46	1359	1.303	Si
63	4912	23498	30011	SLV 3	0.39	836	1.068	-636231	-1742981	-3020065	SLV 1	0.49	1588	1.389	Si
73	4665	23498	30011	SLV 3	0.39	856	1.078	-578806	-1548510	-2903127	SLV 1	0.54	2037	1.539	Si
94	4172	23498	27873	SLV 3	0.37	726	1.008	-471726	-1161229	-2323187	SLV 1	0.57	2394	1.644	Si
115	3678	23498	27873	SLV 3	0.37	764	1.029	-375007	-778943	-2323187	SLV 1	0.57	2474	1.666	Si
136	3184	23498	27873	SLV 3	0.38	803	1.051	-103517	726771	1872544	SLV 3	0.57	2474	1.666	Si
157	2691	23498	27873	SLV 3	0.39	842	1.071	-56222	1115824	1872544	SLV 3	0.57	2474	1.666	Si
178	2197	23498	27873	SLV 3	0.4	883	1.092	-19287	1505927	1872544	SLV 3	0.45	1267	1.267	Si
199	1703	23498	27400	SLV 3	0.4	885	1.093	7288	-1896485	-2650197	SLV 13	0.5	1695	1.427	Si
220	1210	23498	27243	SLV 3	0.4	914	1.108	23501	-2287290	-2800618	SLV 13	0.45	1210	1.243	Si
231	963	23498	26057	SLV 3	0.39	835	1.068	27723	-2482752	-2862523	SLV 13	0.42	1036	1.166	Si
252	469	23498	26057	SLV 3	0.39	876	1.089	28395	-2873760	-3289914	SLV 13	0.42	1014	1.156	Si
273	-25	23498	26057	SLV 3	0.4	918	1.11	24492	-3086017	-3511046	SLV 13	0.41	993	1.146	Si
292	-483	-23498	-26676	SLV 13	0.4	927	1.114	24492	3086017	3580725	SLV 3	0.42	1008	1.153	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5871	8253	30011	SLD 3	0.39	865	2.725	-701434	-864880	-3222619	SLD 1	0.39	857	2.715	Si
42	5406	8253	30011	SLD 3	0.4	906	2.777	-701434	-864880	-3222619	SLD 1	0.39	857	2.715	Si
63	4912	8253	30011	SLD 3	0.41	951	2.833	-636231	-771310	-3020065	SLD 1	0.41	991	2.881	Si
73	4665	8253	30011	SLD 3	0.41	974	2.861	-578806	-685246	-2903127	SLD 1	0.45	1271	3.191	Si
94	4172	8253	27873	SLD 3	0.39	826	2.674	-471726	-513851	-2323187	SLD 1	0.48	1492	3.408	Si
115	3678	8253	27873	SLD 3	0.39	869	2.73	-375007	-344658	-2323187	SLD 1	0.6	2474	4.193	Si
136	3184	8253	27873	SLD 3	0.4	914	2.787	-103517	321578	1872544	SLD 3	0.6	2474	4.193	Si
157	2691	8253	27873	SLD 3	0.41	958	2.842	-56222	493769	1872544	SLD 3	0.52	1851	3.723	Si
178	2197	8253	27873	SLD 3	0.42	1008	2.902	-19287	666414	1872544	SLD 3	0.38	803	2.643	Si
199	1703	8253	27400	SLD 3	0.42	1011	2.905	7288	-839257	-2650197	SLD 13	0.42	1058	2.96	Si
220	1210	8253	27243	SLD 3	0.42	1048	2.948	23501	-1012207	-2800618	SLD 13	0.38	770	2.598	Si
231	963	8253	26057	SLD 3	0.41	950	2.832	27723	-1098708	-2862523	SLD 13	0.35	668	2.451	Si
252	469	8253	26057	SLD 3	0.42	999	2.891	28395	-1271746	-3289914	SLD 13	0.35	655	2.432	Si
273	-25	8253	26057	SLD 3	0.42	1053	2.954	24492	-1365679	-3511046	SLD 13	0.35	642	2.412	Si
292	-483	-8253	-26676	SLD 13	0.43	1064	2.967	24492	1365679	3580725	SLD 3	0.35	651	2.425	Si

Campata 4 tra i fili 61 - 62, sezione R 45x70, asta 779

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	30.41	6.9						-935363	SLU 30	-778674	-3716232	0.127	Si
23	30.41	5.4	30.41	6.9						-640789	SLU 36	-640789	-3716232	0.127	Si
45	28.23	5.4	28.98	6.7						-391838	SLU 26	-640789	-3474669	0.118	Si
68	24.12	5.4	21.41	6.3	-66037	SLU 11	155625	2570285	0.094	-193395	SLU 26	-454845	-2964889	0.108	Si
91	16.54	5.4	19.01	5.4	110862	SLU 11	331922	2323017	0.093	-15624	SLU 26	-247852	-2030158	0.089	Si
102	13.3	5.4	19.01	5.4	197541	SLU 29	408950	2323313	0.095	57707	SLU 8	-153470	-1646304	0.086	Si
125	7.6	5.4	19.01	5.4	367366	SLU 29	540769	2323876	0.102						Si
147	7.6	5.4	19.01	5.4	507539	SLU 29	643010	2323876	0.102						Si
170	7.6	5.4	19.01	5.4	618070	SLU 30	715758	2323876	0.102						Si
193	7.6	5.4	19.01	5.4	699172	SLU 30	758852	2323876	0.102						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
215	7.6	5.4	19.01	5.4	750622	SLU 30	772420	2323876	0.102						Si
238	7.6	5.4	19.01	5.4	772420	SLU 30	772420	2323876	0.102						Si
261	11.94	6.9	19.01	5.4	764565	SLU 30	772420	2356614	0.115						Si
272	13.01	7.1	19.01	5.4	749518	SLU 30	772323	2360080	0.117						Si
295	15.15	7.4	19.01	5.4	700773	SLU 36	757997	2363988	0.122						Si
318	15.21	7.4	19.01	5.4	633675	SLU 35	713811	2364068	0.122						Si
340	15.21	7.4	19.01	5.4	575491	SLU 26	575491	2364068	0.122						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	30.41	6.9	1161931	SLV 15	1139349	3580725	0.101	-2535221	SLV 1	-2292776	-3716232	0.127	Si
23	30.41	5.4	30.41	6.9	1106213	SLV 15	1106213	3580725	0.101	-2059244	SLV 1	-2059244	-3716232	0.127	Si
45	28.23	5.4	28.98	6.7	1029880	SLV 15	1106213	3429177	0.101	-1595813	SLV 1	-2059244	-3474669	0.118	Si
68	24.12	5.4	21.41	6.3	934472	SLV 15	1052633	2570285	0.094	-1156300	SLV 1	-1723913	-2964889	0.108	Si
91	16.54	5.4	19.01	5.4	819632	SLV 15	962728	2323017	0.093	-737073	SLV 1	-1278713	-2030158	0.089	Si
102	13.3	5.4	19.01	5.4	754984	SLV 15	910465	2323313	0.095	-535126	SLV 1	-1063696	-1646304	0.086	Si
125	7.6	5.4	19.01	5.4	611419	SLV 15	791414	2323876	0.102	-146749	SLV 1	-648927	-971525	0.08	Si
147	7.6	5.4	19.01	5.4	467988	SLV 11	720451	2323876	0.102	201775	SLV 5	-254712	-971525	0.08	Si
170	7.6	5.4	19.01	5.4	628081	SLV 3	1038868	2323876	0.102	207059	SLV 13	-51054	-971525	0.08	Si
193	7.6	5.4	19.01	5.4	951501	SLV 3	1339342	2323876	0.102	9300	SLV 13	-276777	-971525	0.08	Si
215	7.6	5.4	19.01	5.4	1257074	SLV 3	1621514	2323876	0.102	-210331	SLV 13	-523915	-971525	0.08	Si
238	7.6	5.4	19.01	5.4	1544456	SLV 3	1884983	2323876	0.102	-451488	SLV 13	-792066	-971525	0.08	Si
261	11.94	6.9	19.01	5.4	1813246	SLV 1	2129400	2356614	0.115	-713769	SLV 15	-1080883	-1451461	0.086	Si
272	13.01	7.1	19.01	5.4	1940548	SLV 1	2244382	2360080	0.117	-852711	SLV 15	-1232958	-1569618	0.088	Si
295	15.15	7.4	19.01	5.4	2180778	SLV 1	2403292	2363988	0.122	-1146008	SLV 15	-1462278	-1805860	0.09	No
318	15.21	7.4	19.01	5.4	2403292	SLV 1	2403292	2364068	0.122	-1462278	SLV 15	-1462278	-1811821	0.09	No
340	15.21	7.4	19.01	5.4	2603030	SLV 1	2508610	2364068	0.122	-1793547	SLV 15	-1623628	-1811821	0.09	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	30.41	6.9	131422	SLD 15	131422	3580725	0.101	-1504713	SLD 1	-1336139	-3716232	0.127	Si
23	30.41	5.4	30.41	6.9	223904	SLD 15	314071	3580725	0.101	-1176935	SLD 1	-1176935	-3716232	0.127	Si
45	28.23	5.4	28.98	6.7	298020	SLD 15	362679	3429177	0.101	-863952	SLD 1	-1176935	-3474669	0.118	Si
68	24.12	5.4	21.41	6.3	351710	SLD 15	391174	2570285	0.094	-573538	SLD 1	-950005	-2964889	0.108	Si
91	16.54	5.4	19.01	5.4	385731	SLD 15	400172	2323017	0.093	-303172	SLD 1	-653955	-2030158	0.089	Si
102	13.3	5.4	19.01	5.4	395391	SLD 15	400172	2323313	0.095	-175533	SLD 1	-513438	-1646304	0.086	Si
125	7.6	5.4	19.01	5.4	400094	SLD 15	407449	2323876	0.102	64576	SLD 1	-247460	-971525	0.08	Si
147	7.6	5.4	19.01	5.4	393785	SLD 11	562255	2323876	0.102	275979	SLD 5	-1648	-971525	0.08	Si
170	7.6	5.4	19.01	5.4	510729	SLD 3	735073	2323876	0.102						Si
193	7.6	5.4	19.01	5.4	688880	SLD 3	888881	2323876	0.102						Si
215	7.6	5.4	19.01	5.4	848064	SLD 3	1023519	2323876	0.102						Si
238	7.6	5.4	19.01	5.4	988126	SLD 3	1138809	2323876	0.102	104842	SLD 13	-45891	-971525	0.08	Si
261	11.94	6.9	19.01	5.4	1108890	SLD 1	1234598	2356614	0.115	-9414	SLD 15	-186080	-1451461	0.086	Si
272	13.01	7.1	19.01	5.4	1161982	SLD 1	1275143	2360080	0.117	-74146	SLD 15	-263719	-1569618	0.088	Si
295	15.15	7.4	19.01	5.4	1253502	SLD 1	1325841	2363988	0.122	-218733	SLD 15	-384827	-1805860	0.09	Si
318	15.21	7.4	19.01	5.4	1325841	SLD 1	1325841	2364068	0.122	-384827	SLD 15	-384827	-1811821	0.09	Si
340	15.21	7.4	19.01	5.4	1377571	SLD 1	1356831	2364068	0.122	-568088	SLD 15	-471849	-1811821	0.09	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	24.12	0	14030	SLU 30	14030	14020	76908	0	14020	1	Si
11	0	18.67	0	13382	SLU 30	13382	12873	76908	0	12873	1	Si
23	0.215	16.54	0	12738	SLU 30	12738	12362	76908	25009	25009	1	Si
45	0.215	7.6	0	11421	SLU 30	11421	9541	76908	25009	25009	1	Si
68	0.215	7.6	0	10113	SLU 30	10113	9541	76908	25009	25009	1	Si
91	0.215	19.01	0	8806	SLU 30	8806	12949	76908	25009	25009	1	Si
102	0.181	19.01	0	8152	SLU 30	8152	12949	76908	21056	21056	1	Si
125	0.181	19.01	0	6845	SLU 30	6845	12949	76908	21056	21056	1	Si
147	0.181	19.01	0	5537	SLU 30	5537	12949	76908	21056	21056	1	Si
170	0.181	19.01	0	4311	SLU 36	4311	12949	76908	21056	21056	1	Si
193	0.181	19.01	0	3281	SLU 26	3281	12949	76908	21056	21056	1	Si
215	0.181	19.01	0	2369	SLU 26	2369	12949	76908	21056	21056	1	Si
238	0.181	19.01	0	1458	SLU 26	1458	12949	76908	21056	21056	1	Si
238	0.181	19.01	0	-79	SLU 11	-79	-12949	-76908	-21056	-21056	1	Si
261	0.158	19.01	0	546	SLU 26	546	12949	76908	18340	18340	1	Si
261	0.158	19.01	0	-1204	SLU 11	-1204	-12949	-76908	-18340	-18340	1	Si
272	0.158	19.01	0	91	SLU 26	91	12949	76908	18340	18340	1	Si
272	0.158	19.01	0	-1767	SLU 11	-1767	-12949	-76908	-18340	-18340	1	Si
295	0.158	19.01	0	-2972	SLU 29	-2972	-12949	-76908	-18340	-18340	1	Si
318	0.158	19.01	0	-4289	SLU 29	-4289	-12949	-76908	-18340	-18340	1	Si
340	0	19.01	0	-5586	SLU 29	-5586	-12949	-76908	0	-12949	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	24.12	0	21624	SLV 1	24705	14020	76908	0	14020	1	Si
0	0	21.41	0	-2080	SLV 15	-5162	-13320	-75123	0	-13320	1	Si
11	0	18.67	0	21189	SLV 1	24271	12873	76908	0	12873	1	Si
11	0	19.01	0	-2515	SLV 15	-5596	-12802	-75123	0	-12802	1	Si
23	0.215	16.54	0	20758	SLV 1	23840	12362	76908	25009	25009	1	Si
23	0.215	19.01	0	-2945	SLV 15	-6027	-12802	-75123	-24428	-24428	1	Si
45	0.215	7.6	0	19876	SLV 1	22957	9541	76908	25009	25009	1	Si
45	0.215	19.01	0	-3828	SLV 15	-6909	-12825	-75407	-24521	-24521	1	Si
68	0.215	7.6	0	19000	SLV 1	22082	9541	76908	25009	25009	1	Si
68	0.215	19.01	0	-4704	SLV 15	-7785	-12866	-75895	-24680	-24680	1	Si
91	0.215	7.6	0	18125	SLV 1	21206	9541	76908	25009	25009	1	Si
91	0.215	19.01	0	-5579	SLV 15	-8661	-12949	-76908	-25009	-25009	1	Si
102	0.181	7.6	0	17687	SLV 1	20768	9541	76908	21056	21056	1	Si
102	0.181	19.01	0	-6017	SLV 15	-9099	-12949	-76908	-21056	-21056	1	Si
125	0.181	7.6	0	16811	SLV 1	19893	9541	76908	21056	21056	1	Si
125	0.181	19.01	0	-6893	SLV 15	-9974	-12949	-76908	-21056	-21056	1	Si
147	0.181	19.01	0	15936	SLV 1	19017	12949	76908	21056	21056	1	Si
147	0.181	19.01	0	-7768	SLV 15	-10850	-12949	-76908	-21056	-21056	1	Si
170	0.181	19.01	0	15060	SLV 1	18142	12949	76908	21056	21056	1	Si
170	0.181	19.01	0	-8644	SLV 15	-11725	-12949	-76908	-21056	-21056	1	Si
193	0.181	19.01	0	14184	SLV 1	17266	12949	76908	21056	21056	1	Si
193	0.181	19.01	0	-9519	SLV 15	-12601	-12949	-76908	-21056	-21056	1	Si
215	0.181	19.01	0	13309	SLV 1	16390	12949	76908	21056	21056	1	Si
215	0.181	7.6	0	-10395	SLV 15	-13477	-9541	-76908	-21056	-21056	1	Si
238	0.181	19.01	0	12433	SLV 1	15515	12949	76908	21056	21056	1	Si
238	0.181	7.6	0	-11271	SLV 15	-14352	-9541	-76908	-21056	-21056	1	Si
261	0.158	19.01	0	11558	SLV 1	14639	12949	76908	18340	18340	1	Si
261	0.158	7.6	0	-12146	SLV 15	-15228	-9436	-75177	-17927	-17927	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
272	0.158	19.01	0	11120	SLV 1	14201	12949	76908	18340	18340	1	Si
272	0.158	7.6	0	-12584	SLV 15	-15666	-9421	-74928	-17868	-17868	1	Si
295	0.158	19.01	0	10244	SLV 1	13326	12949	76908	18340	18340	1	Si
295	0.158	7.6	0	-13460	SLV 15	-16541	-9397	-74536	-17774	-17774	1	Si
318	0.158	19.01	0	9362	SLV 1	12443	12949	76908	18340	18340	1	Si
318	0.158	10.88	0	-14342	SLV 15	-17424	-10587	-74527	-17772	-17772	1	Si
340	0	19.01	0	8493	SLV 1	11574	12949	76908	0	12949	1	Si
340	0	13.01	0	-15211	SLV 15	-18292	-11240	-74527	0	-11240	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	24.12	0	15017	SLD 1	15017	14020	76908	0	14020	1	Si
11	0	18.67	0	14582	SLD 1	14582	12873	76908	0	12873	1	Si
23	0.215	16.54	0	14151	SLD 1	14151	12362	76908	25009	25009	1	Si
45	0.215	7.6	0	13269	SLD 1	13269	9541	76908	25009	25009	1	Si
68	0.215	7.6	0	12393	SLD 1	12393	9541	76908	25009	25009	1	Si
91	0.215	7.6	0	11518	SLD 1	11518	9541	76908	25009	25009	1	Si
102	0.181	7.6	0	11080	SLD 1	11080	9541	76908	21056	21056	1	Si
125	0.181	19.01	0	10204	SLD 1	10204	12949	76908	21056	21056	1	Si
125	0.181	19.01	0	-286	SLD 15	-286	-12949	-76908	-21056	-21056	1	Si
147	0.181	19.01	0	9329	SLD 1	9329	12949	76908	21056	21056	1	Si
147	0.181	19.01	0	-1161	SLD 15	-1161	-12949	-76908	-21056	-21056	1	Si
170	0.181	19.01	0	8453	SLD 1	8453	12949	76908	21056	21056	1	Si
170	0.181	19.01	0	-2037	SLD 15	-2037	-12949	-76908	-21056	-21056	1	Si
193	0.181	19.01	0	7577	SLD 1	7577	12949	76908	21056	21056	1	Si
193	0.181	19.01	0	-2912	SLD 15	-2912	-12949	-76908	-21056	-21056	1	Si
215	0.181	19.01	0	6702	SLD 1	6702	12949	76908	21056	21056	1	Si
215	0.181	19.01	0	-3788	SLD 15	-3788	-12949	-76908	-21056	-21056	1	Si
238	0.181	19.01	0	5826	SLD 1	5826	12949	76908	21056	21056	1	Si
238	0.181	19.01	0	-4664	SLD 15	-4664	-12949	-76908	-21056	-21056	1	Si
261	0.158	19.01	0	4951	SLD 1	4951	12949	76908	18340	18340	1	Si
261	0.158	7.6	0	-5539	SLD 15	-5539	-9436	-75177	-17927	-17927	1	Si
272	0.158	19.01	0	4513	SLD 1	4513	12949	76908	18340	18340	1	Si
272	0.158	7.6	0	-5977	SLD 15	-5977	-9421	-74928	-17868	-17868	1	Si
295	0.158	19.01	0	3637	SLD 1	3637	12949	76908	18340	18340	1	Si
295	0.158	7.6	0	-6853	SLD 15	-6853	-9397	-74536	-17774	-17774	1	Si
318	0.158	19.01	0	2755	SLD 1	2755	12949	76908	18340	18340	1	Si
318	0.158	10.88	0	-7735	SLD 15	-7735	-10587	-74527	-17772	-17772	1	Si
340	0	19.01	0	1886	SLD 1	1886	12949	76908	0	12949	1	Si
340	0	13.01	0	-8604	SLD 15	-8604	-11240	-74527	0	-11240	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente						Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-705234	3	-589348	12.3	124.5	337.9	1837	-686645	2	-576714	12.1	93.4	0	+∞	Si
23	-486897	9	-486897	10.2	124.5	279.2	1837	-476516	2	-476516	10	93.4	0	+∞	Si
45	-299301	8	-486897	10.5	124.5	299.7	1837	-291804	1	-476516	10.3	93.4	0	+∞	Si
68	-139192	8	-348058	8.4	124.5	249.9	1837	-133318	1	-340103	8.2	93.4	0	+∞	Si
91	63516	2	235694	6.4	124.5	212.8	1837	41279	2	206705	5.6	93.4	0	+∞	Si
102	135162	2	293496	8.3	124.5	265.8	1837	109929	2	262627	7.4	93.4	0	+∞	Si
125	262252	2	392897	11.9	124.5	358.3	1837	232335	2	359579	10.9	93.4	0	+∞	Si
147	367740	2	470746	14.3	124.5	429.3	1837	334882	2	436672	13.3	93.4	0	+∞	Si
170	451632	3	527099	16	124.5	480.7	1837	417570	2	493907	15	93.4	0	+∞	Si
193	514071	3	561849	17.1	124.5	512.4	1837	480400	2	531283	16.2	93.4	0	+∞	Si
215	554908	3	574997	17.5	124.5	524.4	1837	523371	2	548800	16.7	93.4	0	+∞	Si
238	574142	3	575659	17.5	124.5	525	1837	546484	2	550594	16.7	93.4	0	+∞	Si
261	571774	3	575659	16.8	124.5	525	1837	549738	2	550594	16.1	93.4	0	+∞	Si
272	562490	3	575659	16.7	124.5	525	1837	543918	2	550594	16	93.4	0	+∞	Si
295	530111	9	567722	16.2	124.5	517.8	1837	517385	2	547198	15.6	93.4	0	+∞	Si
318	483638	8	538896	15.3	124.5	491.6	1837	471643	1	526010	15	93.4	0	+∞	Si
340	437168	8	437168	12.4	124.5	398.8	1837	423563	1	423563	12.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
45	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
68	0.006	0.004	0.005	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.01	2	0.009	2	9999	Si
91	0.009	0.006	0.007	0.005	0.008	0.006	0.006	0.005	0.008	0.006	0.015	2	0.013	2	9999	Si
102	0.01	0.008	0.008	0.006	0.009	0.008	0.007	0.006	0.009	0.008	0.017	2	0.015	2	9999	Si
125	0.012	0.009	0.009	0.007	0.011	0.009	0.009	0.007	0.011	0.009	0.021	2	0.019	2	9999	Si
147	0.014	0.011	0.011	0.009	0.013	0.011	0.01	0.009	0.013	0.011	0.025	2	0.022	2	9999	Si
170	0.015	0.012	0.012	0.01	0.014	0.012	0.011	0.01	0.014	0.012	0.028	2	0.024	2	9999	Si
193	0.016	0.013	0.013	0.01	0.015	0.013	0.012	0.01	0.015	0.013	0.029	2	0.026	2	9999	Si
204	0.016	0.013	0.013	0.011	0.015	0.013	0.012	0.011	0.015	0.013	0.029	2	0.026	2	9999	Si
215	0.016	0.013	0.013	0.011	0.015	0.013	0.012	0.011	0.015	0.013	0.029	2	0.026	2	9999	Si
238	0.015	0.012	0.012	0.01	0.014	0.012	0.011	0.01	0.014	0.012	0.027	2	0.024	2	9999	Si
261	0.013	0.011	0.01	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.024	2	0.022	2	9999	Si
272	0.011	0.01	0.009	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.021	2	0.02	2	9999	Si
295	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.016	2	0.014	2	9999	Si
318	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	8907	14933	25009	SLV 1	0.39	855	1.078	-476516	-1582728	-3716232	SLV 1	0.57	2474	1.666	Si
45	8024	14933	25009	SLV 1	0.41	974	1.137	-476516	-1582728	-3474669	SLV 1	0.57	2474	1.666	Si
68	7148	14933	25009	SLV 1	0.43	1113	1.201	-335640	-1388273	-2964889	SLV 1	0.57	2474	1.666	Si
91	6273	14933	25009	SLV 1	0.45	1263	1.265	-157993	-1120721	-2030158	SLV 1	0.57	2474	1.666	Si
102	5835	14933	21056	SLV 1	0.37	745	1.019	-76616	-987080	-1646304	SLV 1	0.57	2377	1.639	Si
125	4959	14933	21056	SLV 1	0.39	854	1.077	71244	-720171	-971525	SLV 1	0.52	1849	1.479	Si
147	4084	14933	21056	SLV 1	0.41	972	1.136	199245	-453956	-971525	SLV 1	0.57	2474	1.666	Si
170	3208	14933	21056	SLV 1	0.43	1110	1.2	493907	-544961	-971525	SLV 13	0.57	2474	1.666	Si
193	2333	14933	21056	SLV 1	0.45	1261	1.264	531283	-808059	-971525	SLV 13	0.57	2474	1.666	Si
215	1457	14933	21056	SLV 1	0.47	1423	1.328	548800	-1072714	-971525	SLV 13	0.51	1747	1.445	Si
238	581	14933	21056	SLV 1	0.49	1599	1.393	546459	-1338524	-971525	SLV 15	0.41	967	1.134	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
261	-294	-14933	-17927	SLV 15	0.43	1075	1.184	524259	1605141	2356614	SLV 1	0.41	983	1.141	Si
272	-732	-14933	-17868	SLV 15	0.42	997	1.148	505712	1738670	2360080	SLV 1	0.39	832	1.066	Si
295	-1608	-14933	-17774	SLV 15	0.39	863	1.082	470507	1932785	2363988	SLV 1	0.36	677	0.98	No
318	-2490	-14933	-17772	SLV 15	0.37	753	1.023	470507	1932785	2364068	SLV 1	0.36	677	0.98	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	8907	5245	25009	SLD 1	0.41	973	2.86	-476516	-700419	-3716232	SLD 1	0.6	2474	4.193	Si
45	8024	5245	25009	SLD 1	0.43	1124	3.034	-476516	-700419	-3474669	SLD 1	0.56	2364	4.115	Si
68	7148	5245	25009	SLD 1	0.45	1285	3.205	-335640	-614365	-2964889	SLD 1	0.56	2363	4.115	Si
91	6273	5245	25009	SLD 1	0.48	1458	3.376	-157993	-495963	-2030158	SLD 1	0.5	1689	3.586	Si
102	5835	5245	21056	SLD 1	0.39	848	2.703	-76616	-436822	-1646304	SLD 1	0.48	1481	3.397	Si
125	4959	5245	21056	SLD 1	0.41	972	2.859	71244	-318703	-971525	SLD 1	0.44	1155	3.068	Si
147	4084	5245	21056	SLD 1	0.43	1122	3.032	199245	-200893	-971525	SLD 1	0.6	2474	4.193	Si
170	3208	5245	21056	SLD 1	0.45	1281	3.201	493907	-241167	-971525	SLD 13	0.6	2474	4.193	Si
193	2333	5245	21056	SLD 1	0.48	1456	3.374	531283	-357598	-971525	SLD 13	0.55	2251	4.034	Si
215	1457	5245	21056	SLD 1	0.5	1645	3.547	548800	-474719	-971525	SLD 13	0.43	1091	2.997	Si
238	581	5245	21056	SLD 1	0.52	1848	3.72	546459	-592350	-971525	SLD 15	0.35	627	2.388	Si
261	-294	-5245	-17927	SLD 15	0.45	1241	3.16	524259	710339	2356614	SLD 1	0.35	636	2.402	Si
272	-732	-5245	-17868	SLD 15	0.44	1151	3.064	505712	769431	2360080	SLD 1	0.33	541	2.248	Si
295	-1608	-5245	-17774	SLD 15	0.41	983	2.872	470507	855334	2363988	SLD 1	0.3	444	2.073	Si
318	-2490	-5245	-17772	SLD 15	0.39	857	2.715	470507	855334	2364068	SLD 1	0.3	444	2.073	Si

Campata 5 tra i fili 62 - 62A, sezione R 45x70, asta 780

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	7.4	19.01	5.4	859182	SLU 29	856334	2364068	0.122						Si
17	15.21	7.4	19.01	5.4	847113	SLU 30	846482	2364068	0.122						Si
23	15.21	7.4	19.01	5.4	839410	SLU 30	839410	2364068	0.122						Si
34	15.21	7.4	19.01	5.4	818071	SLU 30	839410	2364068	0.122						Si
51	15.21	7.4	19.01	5.4	772041	SLU 30	839410	2364068	0.122						Si
69	15.21	7.4	19.01	5.4	709023	SLU 30	805260	2364068	0.122						Si
77	15.21	7.4	19.01	5.4	671143	SLU 30	781765	2364068	0.122						Si
94	15.21	7.4	19.01	5.4	582642	SLU 30	722032	2364068	0.122						Si
112	15.21	7.4	19.01	5.4	477152	SLU 30	645310	2364068	0.122						Si
129	15.21	7.4	19.01	5.4	354674	SLU 30	551601	2364068	0.122						Si
146	15.21	7.4	19.01	5.4	218375	SLU 36	440902	2364068	0.122	152931	SLU 1	-62186	-1811821	0.09	Si
163	15.21	7.4	19.01	5.4	76666	SLU 26	313215	2364068	0.122	40755	SLU 11	-247604	-1811821	0.09	Si
180	15.21	7.4	19.01	5.4	-49094	SLU 8	173414	2364068	0.122	-116726	SLU 29	-450011	-1811821	0.09	Si
197	15.21	7.4	19.01	5.4	-168176	SLU 8	34952	2364068	0.122	-307353	SLU 29	-669407	-1811821	0.09	Si
206	15.21	7.4	19.01	5.4						-409038	SLU 29	-784508	-1811821	0.09	Si
223	15.21	7.4	19.01	5.4						-625148	SLU 29	-784508	-1811821	0.09	Si
235	15.21	7.4	19.01	5.4						-784508	SLU 29	-784508	-1811821	0.09	Si
240	15.21	7.4	19.01	5.4						-858246	SLU 29	-849224	-1811821	0.09	Si
257	15.21	7.4	19.01	5.4						-1108333	SLU 29	-939374	-1811821	0.09	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	7.4	19.01	5.4	3774422	SLV 15	3503450	2364068	0.122	-2493137	SLV 1	-2233724	-1811821	0.09	No
17	15.21	7.4	19.01	5.4	3355759	SLV 15	3340219	2364068	0.122	-2102469	SLV 1	-2088210	-1811821	0.09	No
23	15.21	7.4	19.01	5.4	3223038	SLV 15	3223038	2364068	0.122	-1983747	SLV 1	-1983747	-1811821	0.09	No
34	15.21	7.4	19.01	5.4	2925719	SLV 15	3223038	2364068	0.122	-1723178	SLV 1	-1983747	-1811821	0.09	No
51	15.21	7.4	19.01	5.4	2484303	SLV 15	3223038	2364068	0.122	-1355266	SLV 1	-1983747	-1811821	0.09	No
69	15.21	7.4	19.01	5.4	2031511	SLV 15	2791252	2364068	0.122	-998733	SLV 1	-1609504	-1811821	0.09	No
77	15.21	7.4	19.01	5.4	1800850	SLV 15	2570222	2364068	0.122	-824734	SLV 1	-1425870	-1811821	0.09	No
94	15.21	7.4	19.01	5.4	1330997	SLV 15	2119630	2364068	0.122	-485274	SLV 1	-1067136	-1811821	0.09	Si
112	15.21	7.4	19.01	5.4	849786	SLV 15	1657663	2364068	0.122	-157208	SLV 1	-719782	-1811821	0.09	Si
129	15.21	7.4	19.01	5.4	357451	SLV 15	1184327	2364068	0.122	159226	SLV 1	-503429	-1811821	0.09	Si
146	15.21	7.4	19.01	5.4	465009	SLV 3	955719	2364068	0.122	-146988	SLV 13	-1026668	-1811821	0.09	Si
163	15.21	7.4	19.01	5.4	758915	SLV 3	1230405	2364068	0.122	-662305	SLV 13	-1561298	-1811821	0.09	Si
180	15.21	7.4	19.01	5.4	1041484	SLV 1	1493718	2364068	0.122	-1189039	SLV 15	-2107309	-1811821	0.09	No
197	15.21	7.4	19.01	5.4	1312684	SLV 1	1745655	2364068	0.122	-1727159	SLV 15	-2664700	-1811821	0.09	No
206	15.21	7.4	19.01	5.4	1444018	SLV 1	1866379	2364068	0.122	-2000487	SLV 15	-2945340	-1811821	0.09	No
223	15.21	7.4	19.01	5.4	1698156	SLV 1	1866379	2364068	0.122	-2555677	SLV 15	-2945340	-1811821	0.09	No
235	15.21	7.4	19.01	5.4	1866379	SLV 1	1866379	2364068	0.122	-2945340	SLV 15	-2945340	-1811821	0.09	No
240	15.21	7.4	19.01	5.4	1940917	SLV 1	1932272	2364068	0.122	-3122245	SLV 15	-3101090	-1811821	0.09	No
257	15.21	7.4	19.01	5.4	2172301	SLV 1	2024060	2364068	0.122	-3700192	SLV 15	-3318048	-1811821	0.09	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	7.4	19.01	5.4	2027459	SLD 15	1904322	2364068	0.122	-746174	SLD 1	-634596	-1811821	0.09	Si
17	15.21	7.4	19.01	5.4	1834382	SLD 15	1827148	2364068	0.122	-581092	SLD 1	-575138	-1811821	0.09	Si
23	15.21	7.4	19.01	5.4	1771746	SLD 15	1771746	2364068	0.122	-532455	SLD 1	-532455	-1811821	0.09	Si
34	15.21	7.4	19.01	5.4	1629927	SLD 15	1771746	2364068	0.122	-427386	SLD 1	-532455	-1811821	0.09	Si
51	15.21	7.4	19.01	5.4	1414096	SLD 15	1771746	2364068	0.122	-285059	SLD 1	-532455	-1811821	0.09	Si
69	15.21	7.4	19.01	5.4	1186888	SLD 15	1564625	2364068	0.122	-154110	SLD 1	-382877	-1811821	0.09	Si
77	15.21	7.4	19.01	5.4	1069017	SLD 15	1456387	2364068	0.122	-92902	SLD 1	-312035	-1811821	0.09	Si
94	15.21	7.4	19.01	5.4	824746	SLD 15	1231379	2364068	0.122	20978	SLD 1	-178885	-1811821	0.09	Si
112	15.21	7.4	19.01	5.4	569104	SLD 15	994995	2364068	0.122	123473	SLD 1	-57114	-1811821	0.09	Si
129	15.21	7.4	19.01	5.4	302197	SLD 15	747237	2364068	0.122	214480	SLD 1	-176451	-1811821	0.09	Si
146	15.21	7.4	19.01	5.4	294427	SLD 3	488116	2364068	0.122	23594	SLD 13	-474117	-1811821	0.09	Si
163	15.21	7.4	19.01	5.4	362778	SLD 3	452272	2364068	0.122	-266168	SLD 13	-783165	-1811821	0.09	Si
180	15.21	7.4	19.01	5.4	419769	SLD 1	490002	2364068	0.122	-567324	SLD 15	-1103593	-1811821	0.09	Si
197	15.21	7.4	19.01	5.4	465387	SLD 1	516354	2364068	0.122	-879862	SLD 15	-1435399	-1811821	0.09	Si
206	15.21	7.4	19.01	5.4	483930	SLD 1	525206	2364068	0.122	-1040398	SLD 15	-1604167	-1811821	0.09	Si
223	15.21	7.4	19.01	5.4	512482	SLD 1	525206	2364068	0.122	-1370003	SLD 15	-1604167	-1811821	0.09	Si
235	15.21	7.4	19.01	5.4	525206	SLD 1	525206	2364068	0.122	-1604167	SLD 15	-1604167	-1811821	0.09	Si
240	15.21	7.4	19.01	5.4	529658	SLD 1	529320	2364068	0.122	-1710987	SLD 15	-1698138	-1811821	0.09	Si
257	15.21	7.4	19.01	5.4	535457	SLD 1	535051	2364068	0.122	-2063348	SLD 15	-1829039	-1811821	0.09	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	129	SLU 12	129	12949	76908	0	12949	1	Si
0	0	19.01	0	-1210	SLU 24	-1210	-12949	-76908	0	-12949	1	Si
17	0	19.01	0	-1900	SLU 24	-1900	-12949	-76908	0	-12949	1	Si
23	0.302	19.01	0	-2114	SLU 24	-2114	-12949	-76908	-35013	-35013	1	Si
34	0.302	19.01	0	-2590	SLU 24	-2590	-12949	-76908	-35013	-35013	1	Si
51	0.302	19.01	0	-3280	SLU 24	-3280	-12949	-76908	-35013	-35013	1	Si
69	0.302	19.01	0	-4177	SLU 29	-4177	-12949	-76908	-35013	-35013	1	Si
77	0.302	19.01	0	-4672	SLU 29	-4672	-12949	-76908	-35013	-35013	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
94	0.333	19.01	0	-5662	SLU 29	-5662	-12949	-76908	-38635	-38635	1	Si
112	0.333	19.01	0	-6651	SLU 29	-6651	-12949	-76908	-38635	-38635	1	Si
129	0.333	19.01	0	-7641	SLU 29	-7641	-12949	-76908	-38635	-38635	1	Si
146	0.333	19.01	0	-8630	SLU 29	-8630	-12949	-76908	-38635	-38635	1	Si
163	0.333	19.01	0	-9620	SLU 29	-9620	-12949	-76908	-38635	-38635	1	Si
180	0.345	15.21	0	-10610	SLU 29	-10610	-11838	-74527	-38776	-38776	1	Si
197	0.345	15.21	0	-11599	SLU 29	-11599	-11838	-74527	-38776	-38776	1	Si
206	0.345	15.21	0	-12094	SLU 29	-12094	-11838	-74527	-38776	-38776	1	Si
223	0.345	15.21	0	-13084	SLU 29	-13084	-11838	-74527	-38776	-38776	1	Si
235	0.345	15.21	0	-13766	SLU 29	-13766	-11838	-74527	-38776	-38776	1	Si
240	0	15.21	0	-14073	SLU 29	-14073	-11838	-74527	0	-11838	1	Si
257	0	15.21	0	-15063	SLU 29	-15063	-11838	-74527	0	-11838	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	23089	SLV 1	29218	11838	74527	0	11838	1	Si
0	0	19.01	0	-24057	SLV 15	-30186	-12949	-76908	0	-12949	1	Si
17	0	15.21	0	22426	SLV 1	28555	11838	74527	0	11838	1	Si
17	0	19.01	0	-24720	SLV 15	-30849	-12949	-76908	0	-12949	1	Si
23	0.302	15.21	0	22220	SLV 1	28349	11838	74527	33929	33929	1	Si
23	0.302	19.01	0	-24926	SLV 15	-31054	-12949	-76908	-35013	-35013	1	Si
34	0.302	15.21	0	21763	SLV 1	27892	11838	74527	33929	33929	1	Si
34	0.302	19.01	0	-25382	SLV 15	-31511	-12949	-76908	-35013	-35013	1	Si
51	0.302	15.21	0	21101	SLV 1	27229	11838	74527	33929	33929	1	Si
51	0.302	19.01	0	-26045	SLV 15	-32174	-12949	-76908	-35013	-35013	1	Si
69	0.302	15.21	0	20438	SLV 1	26567	11838	74527	33929	33929	1	Si
69	0.302	19.01	0	-26708	SLV 15	-32837	-12949	-76908	-35013	-35013	1	Si
77	0.302	15.21	0	20106	SLV 1	26235	11838	74527	33929	33929	1	Si
77	0.302	19.01	0	-27039	SLV 15	-33168	-12949	-76908	-35013	-35013	1	Si
94	0.333	15.21	0	19444	SLV 1	25573	11838	74527	37439	37439	1	Si
94	0.333	19.01	0	-27702	SLV 15	-33831	-12949	-76908	-38635	-38635	1	Si
112	0.333	15.21	0	18781	SLV 1	24910	11838	74527	37439	37439	1	Si
112	0.333	19.01	0	-28365	SLV 15	-34494	-12949	-76908	-38635	-38635	1	Si
129	0.333	19.01	0	18118	SLV 1	24247	12949	76908	38635	38635	1	Si
129	0.333	19.01	0	-29028	SLV 15	-35156	-12949	-76908	-38635	-38635	1	Si
146	0.333	19.01	0	17455	SLV 1	23584	12949	76908	38635	38635	1	Si
146	0.333	15.21	0	-29690	SLV 15	-35819	-11838	-74527	-37439	-37439	1	Si
163	0.333	19.01	0	16793	SLV 1	22922	12949	76908	38635	38635	1	Si
163	0.333	15.21	0	-30353	SLV 15	-36482	-11838	-74527	-37439	-37439	1	Si
180	0.345	19.01	0	16130	SLV 1	22259	12949	76908	40015	40015	1	Si
180	0.345	15.21	0	-31016	SLV 15	-37145	-11838	-74527	-38776	-38776	1	Si
197	0.345	19.01	0	15467	SLV 1	21596	12949	76908	40015	40015	1	Si
197	0.345	15.21	0	-31679	SLV 15	-37808	-11838	-74527	-38776	-38776	1	Si
206	0.345	19.01	0	15136	SLV 1	21265	12949	76908	40015	40015	1	Si
206	0.345	15.21	0	-32010	SLV 15	-38139	-11838	-74527	-38776	-38776	1	Si
223	0.345	19.01	0	14473	SLV 1	20602	12949	76908	40015	40015	1	Si
223	0.345	15.21	0	-32673	SLV 15	-38802	-11838	-74527	-38776	-38776	1	No
235	0.345	19.01	0	14016	SLV 1	20145	12949	76908	40015	40015	1	Si
235	0.345	15.21	0	-33130	SLV 15	-39259	-11838	-74527	-38776	-38776	1	No
240	0	19.01	0	13810	SLV 1	19939	12949	76908	0	12949	1	Si
240	0	15.21	0	-33336	SLV 15	-39464	-11838	-74527	0	-11838	1	Si
257	0	19.01	0	13147	SLV 1	19276	12949	76908	0	12949	1	Si
257	0	15.21	0	-33998	SLV 15	-40127	-11838	-74527	0	-11838	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	9948	SLD 1	9948	11838	74527	0	11838	1	Si
0	0	19.01	0	-10916	SLD 15	-10916	-12949	-76908	0	-12949	1	Si
17	0	15.21	0	9285	SLD 1	9285	11838	74527	0	11838	1	Si
17	0	19.01	0	-11579	SLD 15	-11579	-12949	-76908	0	-12949	1	Si
23	0.302	15.21	0	9079	SLD 1	9079	11838	74527	33929	33929	1	Si
23	0.302	19.01	0	-11785	SLD 15	-11785	-12949	-76908	-35013	-35013	1	Si
34	0.302	15.21	0	8622	SLD 1	8622	11838	74527	33929	33929	1	Si
34	0.302	19.01	0	-12241	SLD 15	-12241	-12949	-76908	-35013	-35013	1	Si
51	0.302	15.21	0	7960	SLD 1	7960	11838	74527	33929	33929	1	Si
51	0.302	19.01	0	-12904	SLD 15	-12904	-12949	-76908	-35013	-35013	1	Si
69	0.302	15.21	0	7297	SLD 1	7297	11838	74527	33929	33929	1	Si
69	0.302	19.01	0	-13567	SLD 15	-13567	-12949	-76908	-35013	-35013	1	Si
77	0.302	15.21	0	6965	SLD 1	6965	11838	74527	33929	33929	1	Si
77	0.302	19.01	0	-13898	SLD 15	-13898	-12949	-76908	-35013	-35013	1	Si
94	0.333	19.01	0	6303	SLD 1	6303	12949	76908	38635	38635	1	Si
94	0.333	19.01	0	-14561	SLD 15	-14561	-12949	-76908	-38635	-38635	1	Si
112	0.333	19.01	0	5640	SLD 1	5640	12949	76908	38635	38635	1	Si
112	0.333	19.01	0	-15224	SLD 15	-15224	-12949	-76908	-38635	-38635	1	Si
129	0.333	19.01	0	4977	SLD 1	4977	12949	76908	38635	38635	1	Si
129	0.333	19.01	0	-15887	SLD 15	-15887	-12949	-76908	-38635	-38635	1	Si
146	0.333	19.01	0	4314	SLD 1	4314	12949	76908	38635	38635	1	Si
146	0.333	19.01	0	-16549	SLD 15	-16549	-12949	-76908	-38635	-38635	1	Si
163	0.333	19.01	0	3652	SLD 1	3652	12949	76908	38635	38635	1	Si
163	0.333	15.21	0	-17212	SLD 15	-17212	-11838	-74527	-37439	-37439	1	Si
180	0.345	19.01	0	2989	SLD 1	2989	12949	76908	40015	40015	1	Si
180	0.345	15.21	0	-17875	SLD 15	-17875	-11838	-74527	-38776	-38776	1	Si
197	0.345	19.01	0	2326	SLD 1	2326	12949	76908	40015	40015	1	Si
197	0.345	15.21	0	-18538	SLD 15	-18538	-11838	-74527	-38776	-38776	1	Si
206	0.345	19.01	0	1995	SLD 1	1995	12949	76908	40015	40015	1	Si
206	0.345	15.21	0	-18869	SLD 15	-18869	-11838	-74527	-38776	-38776	1	Si
223	0.345	19.01	0	1332	SLD 1	1332	12949	76908	40015	40015	1	Si
223	0.345	15.21	0	-19532	SLD 15	-19532	-11838	-74527	-38776	-38776	1	Si
235	0.345	19.01	0	875	SLD 1	875	12949	76908	40015	40015	1	Si
235	0.345	15.21	0	-19989	SLD 15	-19989	-11838	-74527	-38776	-38776	1	Si
240	0	19.01	0	669	SLD 1	669	12949	76908	0	12949	1	Si
240	0	15.21	0	-20195	SLD 15	-20195	-11838	-74527	0	-11838	1	Si
257	0	19.01	0	6	SLD 1	6	12949	76908	0	12949	1	Si
257	0	15.21	0	-20857	SLD 15	-20857	-11838	-74527	0	-11838	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	651742	2	648132	18.4	124.5	591.2	1837	640642	2	634863	18.1	93.4	0	+∞	Si
17	640607	3	640061	18.2	124.5	583.8	1837	626645	2	626005	17.8	93.4	0	+∞	Si
23	634267	3	634267	18	124.5	578.5	1837	619645	2	619645	17.6	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
34	617106	3	634267	18	124.5	578.5	1837	601270	2	619645	17.6	93.4	0	+∞	Si
51	581228	3	634267	18	124.5	578.5	1837	564518	2	619645	17.6	93.4	0	+∞	Si
69	532974	3	607054	17.3	124.5	553.7	1837	516389	2	590874	16.8	93.4	0	+∞	Si
77	504206	3	588765	16.8	124.5	537	1837	488058	2	572176	16.3	93.4	0	+∞	Si
94	437388	3	542905	15.4	124.5	495.2	1837	422862	2	526247	15	93.4	0	+∞	Si
112	358193	3	484668	13.8	124.5	442.1	1837	346289	2	468941	13.3	93.4	0	+∞	Si
129	266622	3	414055	11.8	124.5	377.7	1837	258338	2	400257	11.4	93.4	0	+∞	Si
146	164786	9	331066	9.4	124.5	302	1837	159011	2	320195	9.1	93.4	0	+∞	Si
163	57927	8	235700	6.7	124.5	215	1837	53078	1	228756	6.5	93.4	0	+∞	Si
180	-83707	2	-330461	9.8	124.5	398.1	1837	-73778	2	-306796	9.1	93.4	0	+∞	Si
197	-224915	2	-492626	14.7	124.5	593.5	1837	-207238	2	-459522	13.7	93.4	0	+∞	Si
206	-300160	2	-577636	17.2	124.5	695.9	1837	-278234	2	-539480	16	93.4	0	+∞	Si
223	-459931	2	-577636	17.2	124.5	695.9	1837	-428761	2	-539480	16	93.4	0	+∞	Si
235	-577636	2	-577636	17.2	124.5	695.9	1837	-539480	2	-539480	16	93.4	0	+∞	Si
240	-632080	2	-625422	18.6	124.5	753.5	1837	-590664	2	-584409	17.4	93.4	0	+∞	Si
257	-816605	2	-691987	20.6	124.5	833.7	1837	-763945	2	-646994	19.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
23	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
34	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
51	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.009	2	0.009	2	9999	Si
69	0.006	0.006	0.005	0.004	0.006	0.006	0.005	0.004	0.006	0.006	0.011	2	0.01	2	9999	Si
77	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.011	2	0.011	2	9999	Si
86	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.011	2	0.011	2	9999	Si
94	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.011	2	0.011	2	9999	Si
112	0.006	0.006	0.005	0.004	0.006	0.006	0.004	0.004	0.006	0.006	0.011	2	0.01	2	9999	Si
129	0.006	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.009	2	0.009	2	9999	Si
146	0.005	0.004	0.003	0.003	0.005	0.004	0.003	0.003	0.005	0.004	0.008	2	0.008	2	9999	Si
163	0.004	0.004	0.003	0.002	0.004	0.004	0.003	0.002	0.004	0.004	0.006	2	0.006	2	9999	Si
180	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.004	2	0.004	2	9999	Si
197	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.002	1	0.002	1	9999	Si
206	0.001	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.001	1	9999	Si
223	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
235	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
240	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-1353	-29702	-35013	SLV 15	0.41	965	1.133	619645	2603393	2364068	SLV 15	0.25	286	0.688	No
34	-1810	-29702	-35013	SLV 15	0.41	934	1.118	619645	2603393	2364068	SLV 15	0.25	286	0.688	No
51	-2472	-29702	-35013	SLV 15	0.4	889	1.095	619645	2603393	2364068	SLV 15	0.25	286	0.688	No
69	-3135	-29702	-35013	SLV 15	0.39	845	1.073	590874	2200378	2364068	SLV 15	0.3	427	0.811	No
77	-3466	-29702	-35013	SLV 15	0.39	824	1.062	572176	1998046	2364068	SLV 15	0.33	547	0.898	No
94	-4129	-29702	-38635	SLV 15	0.42	1030	1.163	526247	1593383	2364068	SLV 15	0.42	1011	1.155	Si
112	-4792	-29702	-38635	SLV 15	0.41	979	1.139	468941	1188723	2364068	SLV 15	0.57	2393	1.644	Si
129	-5455	-29702	-38635	SLV 15	0.4	932	1.117	400257	784070	2364068	SLV 15	0.57	2474	1.666	Si
146	-6117	-29702	-37439	SLV 15	0.38	810	1.054	-35475	-991194	-1811821	SLV 15	0.57	2474	1.666	Si
163	-6780	-29702	-37439	SLV 15	0.38	769	1.032	-165446	-1395852	-1811821	SLV 15	0.43	1072	1.183	Si
180	-7443	-29702	-38776	SLV 15	0.38	810	1.054	-306796	-1800514	-1811821	SLV 15	0.31	463	0.838	No
197	-8106	-29702	-38776	SLV 15	0.38	769	1.032	-459522	-2205178	-1811821	SLV 15	0.23	235	0.635	No
206	-8437	-29702	-38776	SLV 15	0.37	749	1.021	-539480	-2405860	-1811821	SLV 15	0.2	172	0.559	No
223	-9100	-29702	-38776	SLV 15	0.36	710	0.999	-539480	-2405860	-1811821	SLV 15	0.2	172	0.559	No
235	-9557	-29702	-38776	SLV 15	0.36	684	0.984	-539480	-2405860	-1811821	SLV 15	0.2	172	0.559	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-1353	-10432	-35013	SLD 15	0.43	1113	3.022	619645	1152100	2364068	SLD 15	0.21	194	1.476	Si
34	-1810	-10432	-35013	SLD 15	0.43	1073	2.977	619645	1152100	2364068	SLD 15	0.21	194	1.476	Si
51	-2472	-10432	-35013	SLD 15	0.42	1016	2.911	619645	1152100	2364068	SLD 15	0.21	194	1.476	Si
69	-3135	-10432	-35013	SLD 15	0.41	962	2.847	590874	973751	2364068	SLD 15	0.25	290	1.741	Si
77	-3466	-10432	-35013	SLD 15	0.41	938	2.817	572176	884211	2364068	SLD 15	0.28	367	1.918	Si
94	-4129	-10432	-38635	SLD 15	0.44	1189	3.105	526247	705132	2364068	SLD 15	0.35	653	2.429	Si
112	-4792	-10432	-38635	SLD 15	0.43	1130	3.041	468941	526054	2364068	SLD 15	0.48	1491	3.407	Si
129	-5455	-10432	-38635	SLD 15	0.43	1071	2.975	400257	346980	2364068	SLD 15	0.6	2474	4.193	Si
146	-6117	-10432	-38635	SLD 15	0.42	1013	2.908	-35475	-438642	-1811821	SLD 15	0.54	2039	3.873	Si
163	-6780	-10432	-37439	SLD 15	0.39	875	2.738	-165446	-617719	-1811821	SLD 15	0.36	689	2.483	Si
180	-7443	-10432	-38776	SLD 15	0.4	923	2.799	-306796	-796797	-1811821	SLD 15	0.26	315	1.801	Si
197	-8106	-10432	-38776	SLD 15	0.39	875	2.738	-459522	-975877	-1811821	SLD 15	0.19	161	1.368	Si
206	-8437	-10432	-38776	SLD 15	0.39	852	2.708	-539480	-1064686	-1811821	SLD 15	0.17	119	1.208	Si
223	-9100	-10432	-38776	SLD 15	0.38	808	2.65	-539480	-1064686	-1811821	SLD 15	0.17	119	1.208	Si
235	-9557	-10432	-38776	SLD 15	0.38	778	2.609	-539480	-1064686	-1811821	SLD 15	0.17	119	1.208	Si

Campata 6 tra i fili 62A - 62B, sezione R 45x70, asta 781

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	7.4	19.01	5.4						-582834	SLU 29	-551164	-1811821	0.09	Si
14	15.21	7.4	19.01	5.4						-548776	SLU 29	-544460	-1811821	0.09	Si
23	15.21	7.4	19.01	5.4						-533848	SLU 29	-533848	-1811821	0.09	Si
28	15.21	7.4	19.01	5.4						-526016	SLU 29	-533848	-1811821	0.09	Si
42	15.21	7.4	19.01	5.4						-514556	SLU 29	-533848	-1811821	0.09	Si
56	15.21	7.4	19.01	5.4						-514394	SLU 29	-550420	-1811821	0.09	Si
63	15.21	7.4	19.01	5.4						-518551	SLU 29	-566555	-1811821	0.09	Si
77	15.21	7.4	19.01	5.4						-535338	SLU 29	-607298	-1811821	0.09	Si
91	15.21	7.4	19.01	5.4						-563723	SLU 30	-659341	-1811821	0.09	Si
105	15.21	7.4	19.01	5.4						-603603	SLU 30	-722682	-1811821	0.09	Si
119	15.21	7.4	19.01	5.4						-654781	SLU 30	-797322	-1811821	0.09	Si
133	15.21	7.4	19.01	5.4						-717259	SLU 30	-883261	-1811821	0.09	Si
147	18.99	7	19.01	5.4						-791036	SLU 30	-980499	-2260156	0.094	Si
161	20.31	6.9	19.01	5.4						-876111	SLU 30	-1068320	-2416399	0.096	Si
168	20.97	6.9	19.01	5.4						-922886	SLU 30	-1068320	-2494596	0.097	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
182	22.29	6.8	19.01	5.4						-1024910	SLU 30	-1068320	-2650809	0.098	Si
188	22.81	6.7	19.01	5.4						-1068320	SLU 30	-1068320	-2712090	0.099	Si
196	22.81	6.7	19.01	5.4						-1138233	SLU 30	-1123531	-2712090	0.099	Si
210	22.81	6.7	19.01	5.4						-1262855	SLU 30	-1158411	-2712090	0.099	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	7.4	19.01	5.4	2139050	SLV 15	1868586	2364068	0.122	-2916599	SLV 1	-2608290	-1811821	0.09	No
14	15.21	7.4	19.01	5.4	1798557	SLV 15	1759966	2364068	0.122	-2536181	SLV 1	-2492462	-1811821	0.09	No
23	15.21	7.4	19.01	5.4	1588030	SLV 15	1588030	2364068	0.122	-2309117	SLV 1	-2309117	-1811821	0.09	No
28	15.21	7.4	19.01	5.4	1450606	SLV 15	1588030	2364068	0.122	-2163440	SLV 1	-2309117	-1811821	0.09	No
42	15.21	7.4	19.01	5.4	1095283	SLV 15	1588030	2364068	0.122	-1798460	SLV 1	-2309117	-1811821	0.09	No
56	15.21	7.4	19.01	5.4	732776	SLV 15	1477341	2364068	0.122	-1441431	SLV 1	-2191780	-1811821	0.09	No
63	15.21	7.4	19.01	5.4	548963	SLV 15	1300875	2364068	0.122	-1266032	SLV 1	-2008016	-1811821	0.09	No
77	15.21	7.4	19.01	5.4	176917	SLV 15	942479	2364068	0.122	-922165	SLV 1	-1646374	-1811821	0.09	Si
91	15.21	7.4	19.01	5.4	-198552	SLV 15	577060	2364068	0.122	-590009	SLV 1	-1292843	-1811821	0.09	Si
105	15.21	7.4	19.01	5.4	-236557	SLV 3	422789	2364068	0.122	-610452	SLV 13	-1439743	-1811821	0.09	Si
119	15.21	7.4	19.01	5.4	84153	SLV 3	730264	2364068	0.122	-1004743	SLV 13	-1852224	-1811821	0.09	No
133	15.21	7.4	19.01	5.4	399110	SLV 3	1030450	2364068	0.122	-1408416	SLV 13	-2272551	-1811821	0.09	No
147	18.99	7	19.01	5.4	707138	SLV 3	1323216	2383827	0.114	-1820293	SLV 13	-2700592	-2260156	0.094	No
161	20.31	6.9	19.01	5.4	1007888	SLV 3	1556658	2384299	0.111	-2240028	SLV 13	-3055771	-2416399	0.096	No
168	20.97	6.9	19.01	5.4	1155489	SLV 3	1556658	2384412	0.11	-2452795	SLV 13	-3055771	-2494596	0.097	No
182	22.29	6.8	19.01	5.4	1445092	SLV 3	1556658	2384511	0.108	-2884084	SLV 13	-3055771	-2650809	0.098	No
188	22.81	6.7	19.01	5.4	1556658	SLV 3	1556658	2384638	0.107	-3055771	SLV 13	-3055771	-2712090	0.099	No
196	22.81	6.7	19.01	5.4	1727201	SLV 3	1686132	2384638	0.107	-3323012	SLV 13	-3261673	-2712090	0.099	No
210	22.81	6.7	19.01	5.4	2001790	SLV 3	1767927	2384638	0.107	-3769554	SLV 13	-3391752	-2712090	0.099	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	7.4	19.01	5.4	729889	SLD 15	620746	2364068	0.122	-1507438	SLD 1	-1360450	-1811821	0.09	Si
14	15.21	7.4	19.01	5.4	590335	SLD 15	574687	2364068	0.122	-1327959	SLD 1	-1307183	-1811821	0.09	Si
23	15.21	7.4	19.01	5.4	501779	SLD 15	501779	2364068	0.122	-1222865	SLD 1	-1222865	-1811821	0.09	Si
28	15.21	7.4	19.01	5.4	443263	SLD 15	501779	2364068	0.122	-1156096	SLD 1	-1222865	-1811821	0.09	Si
42	15.21	7.4	19.01	5.4	288710	SLD 15	501779	2364068	0.122	-991887	SLD 1	-1222865	-1811821	0.09	Si
56	15.21	7.4	19.01	5.4	126759	SLD 15	454647	2364068	0.122	-835414	SLD 1	-1169086	-1811821	0.09	Si
63	15.21	7.4	19.01	5.4	43069	SLD 15	378588	2364068	0.122	-760138	SLD 1	-1085729	-1811821	0.09	Si
77	15.21	7.4	19.01	5.4	-129431	SLD 15	220888	2364068	0.122	-615817	SLD 1	-924783	-1811821	0.09	Si
91	15.21	7.4	19.01	5.4	-307667	SLD 15	55862	2364068	0.122	-480894	SLD 1	-771645	-1811821	0.09	Si
105	15.21	7.4	19.01	5.4						-506230	SLD 13	-920597	-1811821	0.09	Si
119	15.21	7.4	19.01	5.4	-219358	SLD 3	10446	2364068	0.122	-701233	SLD 13	-1132406	-1811821	0.09	Si
133	15.21	7.4	19.01	5.4	-104704	SLD 3	109803	2364068	0.122	-904602	SLD 13	-1351904	-1811821	0.09	Si
147	18.99	7	19.01	5.4	2665	SLD 3	201659	2383827	0.114	-1115821	SLD 13	-1579034	-2260156	0.094	Si
161	20.31	6.9	19.01	5.4	102595	SLD 3	271034	2384299	0.111	-1334734	SLD 13	-1770147	-2416399	0.096	Si
168	20.97	6.9	19.01	5.4	149750	SLD 3	271034	2384412	0.11	-1447056	SLD 13	-1770147	-2494596	0.097	Si
182	22.29	6.8	19.01	5.4	238420	SLD 3	271034	2384511	0.108	-1677411	SLD 13	-1770147	-2650809	0.098	Si
188	22.81	6.7	19.01	5.4	271034	SLD 3	271034	2384638	0.107	-1770147	SLD 13	-1770147	-2712090	0.099	Si
196	22.81	6.7	19.01	5.4	319554	SLD 3	307029	2384638	0.107	-1915364	SLD 13	-1882570	-2712090	0.099	Si
210	22.81	6.7	19.01	5.4	393141	SLD 3	329768	2384638	0.107	-2160905	SLD 13	-1953593	-2712090	0.099	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	2836	SLU 29	2836	11838	74527	0	11838	1	Si
14	0	15.21	0	2029	SLU 29	2029	11838	74527	0	11838	1	Si
23	0.335	15.21	0	1539	SLU 29	1539	11838	74527	37699	37699	1	Si
28	0.335	15.21	0	1230	SLU 11	1230	11838	74527	37699	37699	1	Si
42	0.335	15.21	0	535	SLU 11	535	11838	74527	37699	37699	1	Si
42	0.335	15.21	0	-395	SLU 26	-395	-11838	-74527	-37699	-37699	1	Si
56	0.335	15.21	0	-957	SLU 26	-957	-11838	-74527	-37699	-37699	1	Si
63	0.335	15.21	0	-1239	SLU 26	-1239	-11838	-74527	-37699	-37699	1	Si
77	0.335	15.21	0	-1801	SLU 26	-1801	-11838	-74527	-37699	-37699	1	Si
91	0.335	15.21	0	-2466	SLU 36	-2466	-11838	-74527	-37699	-37699	1	Si
105	0.335	15.21	0	-3252	SLU 30	-3252	-11838	-74527	-37699	-37699	1	Si
119	0.335	15.21	0	-4059	SLU 30	-4059	-11838	-74527	-37699	-37699	1	Si
133	0.335	15.21	0	-4866	SLU 30	-4866	-11838	-74527	-37699	-37699	1	Si
147	0.335	15.21	0	-5673	SLU 30	-5673	-11875	-75002	-37939	-37939	1	Si
161	0.335	15.21	0	-6480	SLU 30	-6480	-11884	-75126	-38001	-38001	1	Si
168	0.335	15.21	0	-6884	SLU 30	-6884	-11889	-75182	-38030	-38030	1	Si
182	0.335	15.21	0	-7691	SLU 30	-7691	-11897	-75284	-38081	-38081	1	Si
188	0.335	15.21	0	-8008	SLU 30	-8008	-11899	-75321	-38100	-38100	1	Si
196	0	15.21	0	-8498	SLU 30	-8498	-11899	-75321	0	-11899	1	Si
210	0	18.99	0	-9305	SLU 30	-9305	-12815	-75321	0	-12815	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	27462	SLV 1	34161	11838	74527	0	11838	1	Si
0	0	19.01	0	-24070	SLV 15	-30769	-12949	-76908	0	-12949	1	Si
14	0	15.21	0	26921	SLV 1	33620	11838	74527	0	11838	1	Si
14	0	19.01	0	-24610	SLV 15	-31309	-12949	-76908	0	-12949	1	Si
23	0.335	15.21	0	26593	SLV 1	33292	11838	74527	37699	37699	1	Si
23	0.335	19.01	0	-24938	SLV 15	-31637	-12949	-76908	-38903	-38903	1	Si
28	0.335	15.21	0	26381	SLV 1	33080	11838	74527	37699	37699	1	Si
28	0.335	19.01	0	-25151	SLV 15	-31850	-12949	-76908	-38903	-38903	1	Si
42	0.335	15.21	0	25840	SLV 1	32539	11838	74527	37699	37699	1	Si
42	0.335	19.01	0	-25691	SLV 15	-32390	-12949	-76908	-38903	-38903	1	Si
56	0.335	15.21	0	25300	SLV 1	31999	11838	74527	37699	37699	1	Si
56	0.335	19.01	0	-26232	SLV 15	-32931	-12949	-76908	-38903	-38903	1	Si
63	0.335	15.21	0	25030	SLV 1	31729	11838	74527	37699	37699	1	Si
63	0.335	19.01	0	-26502	SLV 15	-33201	-12949	-76908	-38903	-38903	1	Si
77	0.335	15.21	0	24489	SLV 1	31188	11838	74527	37699	37699	1	Si
77	0.335	19.01	0	-27042	SLV 15	-33741	-12949	-76908	-38903	-38903	1	Si
91	0.335	15.21	0	23949	SLV 1	30648	11838	74527	37699	37699	1	Si
91	0.335	15.21	0	-27583	SLV 15	-34282	-11838	-74527	-37699	-37699	1	Si
105	0.335	15.21	0	23408	SLV 1	30107	11838	74527	37699	37699	1	Si
105	0.335	15.21	0	-28123	SLV 15	-34823	-11838	-74527	-37699	-37699	1	Si
119	0.335	19.01	0	22868	SLV 1	29567	12949	76908	38903	38903	1	Si
119	0.335	15.21	0	-28664	SLV 15	-35363	-11838	-74527	-37699	-37699	1	Si
133	0.335	19.01	0	22327	SLV 1	29026	12949	76908	38903	38903	1	Si
133	0.335	15.21	0	-29204	SLV 15	-35904	-11838	-74527	-37699	-37699	1	Si
147	0.335	19.01	0	21787	SLV 1	28486	12949	76908	38903	38903	1	Si
147	0.335	15.21	0	-29745	SLV 15	-36444	-11875	-75002	-37939	-37939	1	Si
161	0.335	19.01	0	21246	SLV 1	27945	12949	76908	38903	38903	1	Si
161	0.335	15.21	0	-30285	SLV 15	-36985	-11884	-75126	-38001	-38001	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
168	0.335	19.01	0	20976	SLV 1	27675	12949	76908	38903	38903	1	Si
168	0.335	15.21	0	-30556	SLV 15	-37255	-11889	-75182	-38030	-38030	1	Si
182	0.335	19.01	0	20435	SLV 1	27134	12949	76908	38903	38903	1	Si
182	0.335	15.21	0	-31096	SLV 15	-37795	-11897	-75284	-38081	-38081	1	Si
188	0.335	19.01	0	20223	SLV 1	26922	12949	76908	38903	38903	1	Si
188	0.335	15.21	0	-31309	SLV 15	-38008	-11899	-75321	-38100	-38100	1	Si
196	0	19.01	0	19895	SLV 1	26594	12949	76908	0	12949	1	Si
196	0	15.21	0	-31637	SLV 15	-38336	-11899	-75321	0	-11899	1	Si
210	0	19.01	0	19354	SLV 1	26053	12949	76908	0	12949	1	Si
210	0	18.99	0	-32177	SLV 15	-38876	-12815	-75321	0	-12815	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	13099	SLD 1	13099	11838	74527	0	11838	1	Si
0	0	19.01	0	-9706	SLD 15	-9706	-12949	-76908	0	-12949	1	Si
14	0	15.21	0	12558	SLD 1	12558	11838	74527	0	11838	1	Si
14	0	19.01	0	-10247	SLD 15	-10247	-12949	-76908	0	-12949	1	Si
23	0.335	15.21	0	12230	SLD 1	12230	11838	74527	37699	37699	1	Si
23	0.335	19.01	0	-10575	SLD 15	-10575	-12949	-76908	-38903	-38903	1	Si
28	0.335	15.21	0	12017	SLD 1	12017	11838	74527	37699	37699	1	Si
28	0.335	19.01	0	-10787	SLD 15	-10787	-12949	-76908	-38903	-38903	1	Si
42	0.335	15.21	0	11477	SLD 1	11477	11838	74527	37699	37699	1	Si
42	0.335	19.01	0	-11328	SLD 15	-11328	-12949	-76908	-38903	-38903	1	Si
56	0.335	15.21	0	10936	SLD 1	10936	11838	74527	37699	37699	1	Si
56	0.335	19.01	0	-11868	SLD 15	-11868	-12949	-76908	-38903	-38903	1	Si
63	0.335	15.21	0	10666	SLD 1	10666	11838	74527	37699	37699	1	Si
63	0.335	19.01	0	-12139	SLD 15	-12139	-12949	-76908	-38903	-38903	1	Si
77	0.335	15.21	0	10126	SLD 1	10126	11838	74527	37699	37699	1	Si
77	0.335	15.21	0	-12679	SLD 15	-12679	-11838	-74527	-37699	-37699	1	Si
91	0.335	15.21	0	9585	SLD 1	9585	11838	74527	37699	37699	1	Si
91	0.335	15.21	0	-13220	SLD 15	-13220	-11838	-74527	-37699	-37699	1	Si
105	0.335	15.21	0	9045	SLD 1	9045	11838	74527	37699	37699	1	Si
105	0.335	15.21	0	-13760	SLD 15	-13760	-11838	-74527	-37699	-37699	1	Si
119	0.335	15.21	0	8504	SLD 1	8504	11838	74527	37699	37699	1	Si
119	0.335	15.21	0	-14301	SLD 15	-14301	-11838	-74527	-37699	-37699	1	Si
133	0.335	15.21	0	7964	SLD 1	7964	11838	74527	37699	37699	1	Si
133	0.335	15.21	0	-14841	SLD 15	-14841	-11838	-74527	-37699	-37699	1	Si
147	0.335	15.21	0	7423	SLD 1	7423	11875	75002	37939	37939	1	Si
147	0.335	15.21	0	-15382	SLD 15	-15382	-11875	-75002	-37939	-37939	1	Si
161	0.335	19.01	0	6883	SLD 1	6883	12949	76908	38903	38903	1	Si
161	0.335	15.21	0	-15922	SLD 15	-15922	-11884	-75126	-38001	-38001	1	Si
168	0.335	19.01	0	6612	SLD 1	6612	12949	76908	38903	38903	1	Si
168	0.335	15.21	0	-16192	SLD 15	-16192	-11889	-75182	-38030	-38030	1	Si
182	0.335	19.01	0	6072	SLD 1	6072	12949	76908	38903	38903	1	Si
182	0.335	15.21	0	-16733	SLD 15	-16733	-11897	-75284	-38081	-38081	1	Si
188	0.335	19.01	0	5860	SLD 1	5860	12949	76908	38903	38903	1	Si
188	0.335	15.21	0	-16945	SLD 15	-16945	-11899	-75321	-38100	-38100	1	Si
196	0	19.01	0	5531	SLD 1	5531	12949	76908	0	12949	1	Si
196	0	15.21	0	-17273	SLD 15	-17273	-11899	-75321	0	-11899	1	Si
210	0	19.01	0	4991	SLD 1	4991	12949	76908	0	12949	1	Si
210	0	18.99	0	-17814	SLD 15	-17814	-12815	-75321	0	-12815	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-424210	2	-402027	12	124.5	484.3	1837	-388774	2	-369852	11	93.4	0	+∞	Si
14	-400505	2	-397487	11.8	124.5	478.9	1837	-368812	2	-366248	10.9	93.4	0	+∞	Si
23	-390301	2	-390301	11.6	124.5	470.2	1837	-360543	2	-360543	10.7	93.4	0	+∞	Si
28	-385031	2	-390301	11.6	124.5	470.2	1837	-356417	2	-360543	10.7	93.4	0	+∞	Si
42	-377788	2	-390301	11.6	124.5	470.2	1837	-351589	2	-365855	10.9	93.4	0	+∞	Si
56	-378777	2	-407315	12.1	124.5	490.7	1837	-354327	2	-384306	11.4	93.4	0	+∞	Si
63	-382358	2	-419607	12.5	124.5	505.5	1837	-358535	2	-396370	11.8	93.4	0	+∞	Si
77	-395695	2	-450366	13.4	124.5	542.6	1837	-372624	2	-426172	12.7	93.4	0	+∞	Si
91	-417462	3	-489355	14.6	124.5	589.5	1837	-394281	2	-463541	13.8	93.4	0	+∞	Si
105	-447591	3	-536577	16	124.5	646.4	1837	-423504	2	-508477	15.1	93.4	0	+∞	Si
119	-485952	3	-592030	17.6	124.5	713.2	1837	-460295	2	-560980	16.7	93.4	0	+∞	Si
133	-532544	3	-655714	19.5	124.5	790	1837	-504653	2	-621050	18.5	93.4	0	+∞	Si
147	-587368	3	-727630	19.9	124.5	697.3	1837	-556578	2	-688688	18.8	93.4	0	+∞	Si
161	-650423	3	-792488	21.2	124.5	709.2	1837	-616070	2	-749556	20	93.4	0	+∞	Si
168	-685037	3	-792488	20.9	124.5	686.6	1837	-648653	2	-749556	19.8	93.4	0	+∞	Si
182	-760440	3	-792488	20.5	124.5	645.5	1837	-719496	2	-749556	19.4	93.4	0	+∞	Si
188	-792488	3	-792488	20.3	124.5	630.7	1837	-749556	2	-749556	19.2	93.4	0	+∞	Si
196	-844074	3	-833240	21.4	124.5	663.1	1837	-797905	2	-787771	20.2	93.4	0	+∞	Si
210	-935939	3	-858985	22	124.5	683.6	1837	-883882	2	-811913	20.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
14	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
23	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
28	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	1	-0.006	1	9999	Si
42	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.007	1	-0.008	1	9999	Si
56	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
63	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.01	1	-0.011	1	9999	Si
77	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
91	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.012	1	-0.013	1	9999	Si
105	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.012	1	-0.014	1	9999	Si
112	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	1	-0.014	1	9999	Si
119	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	1	-0.014	1	9999	Si
133	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.012	1	-0.013	1	9999	Si
147	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.011	1	-0.012	1	9999	Si
161	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.01	1	-0.011	1	9999	Si
168	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.009	1	-0.01	1	9999	Si
182	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
188	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
196	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	827	32465	37699	SLV 1	0.41	971	1.136	-360543	-1948573	-1811821	SLV 1	0.27	360	0.756	No
28	615	32465	37699	SLV 1	0.41	985	1.142	-360543	-1948573	-1811821	SLV 1	0.27	360	0.756	No
42	75	32465	37699	SLV 1	0.42	1024	1.161	-360543	-1948573	-1811821	SLV 1	0.27	360	0.756	No
56	-466	32465	37699	SLV 1	0.42	1063	1.179	-357219	-1834561	-1811821	SLV 1	0.29	412	0.799	No
63	-736	-32465	-38903	SLV 15	0.42	1063	1.179	-353570	-1654446	-1811821	SLV 1	0.32	524	0.882	No
77	-1277	-32465	-38903	SLV 15	0.42	1024	1.161	-351947	-1294426	-1811821	SLV 1	0.41	954	1.127	Si
91	-1817	-32465	-37699	SLV 15	0.4	908	1.105	-357891	-934952	-1811821	SLV 1	0.55	2239	1.6	Si
105	-2358	-32465	-37699	SLV 15	0.39	875	1.088	-508477	-931266	-1811821	SLV 13	0.5	1689	1.425	Si
119	-2898	-32465	-37699	SLV 15	0.39	843	1.072	-560980	-1291244	-1811821	SLV 13	0.35	659	0.969	No
133	-3439	-32465	-37699	SLV 15	0.38	811	1.055	-621050	-1651500	-1811821	SLV 13	0.27	335	0.734	No
147	-3979	-32465	-37939	SLV 15	0.38	794	1.046	-688688	-2011904	-2260156	SLV 13	0.29	399	0.789	No
161	-4520	-32465	-38001	SLV 15	0.37	767	1.031	-749556	-2306215	-2416399	SLV 13	0.27	337	0.736	No
168	-4790	-32465	-38030	SLV 15	0.37	754	1.024	-749556	-2306215	-2494596	SLV 13	0.28	372	0.766	No
182	-5330	-32465	-38081	SLV 15	0.37	727	1.009	-749556	-2306215	-2650809	SLV 13	0.3	449	0.828	No
188	-5543	-32465	-38100	SLV 15	0.36	716	1.002	-749556	-2306215	-2712090	SLV 13	0.31	482	0.852	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	827	11402	37699	SLD 1	0.43	1120	3.03	-360543	-862322	-1811821	SLD 1	0.23	244	1.622	Si
28	615	11402	37699	SLD 1	0.44	1137	3.049	-360543	-862322	-1811821	SLD 1	0.23	244	1.622	Si
42	75	11402	37699	SLD 1	0.44	1182	3.097	-360543	-862322	-1811821	SLD 1	0.23	244	1.622	Si
56	-466	11402	37699	SLD 1	0.45	1227	3.145	-357219	-811866	-1811821	SLD 1	0.25	280	1.716	Si
63	-736	-11402	-38903	SLD 15	0.45	1227	3.145	-353570	-732158	-1811821	SLD 1	0.27	353	1.887	Si
77	-1277	-11402	-37699	SLD 15	0.43	1083	2.988	-351947	-572835	-1811821	SLD 1	0.34	618	2.374	Si
91	-1817	-11402	-37699	SLD 15	0.42	1040	2.939	-357891	-413753	-1811821	SLD 1	0.47	1396	3.316	Si
105	-2358	-11402	-37699	SLD 15	0.42	998	2.89	-508477	-412120	-1811821	SLD 13	0.42	1054	2.955	Si
119	-2898	-11402	-37699	SLD 15	0.41	959	2.843	-560980	-571426	-1811821	SLD 13	0.3	434	2.054	Si
133	-3439	-11402	-37699	SLD 15	0.4	923	2.799	-621050	-730853	-1811821	SLD 13	0.23	227	1.575	Si
147	-3979	-11402	-37939	SLD 15	0.4	904	2.775	-688688	-890346	-2260156	SLD 13	0.24	271	1.693	Si
161	-4520	-11402	-38001	SLD 15	0.39	873	2.736	-749556	-1020591	-2416399	SLD 13	0.23	229	1.58	Si
168	-4790	-11402	-38030	SLD 15	0.39	858	2.716	-749556	-1020591	-2494596	SLD 13	0.24	253	1.646	Si
182	-5330	-11402	-38081	SLD 15	0.39	827	2.675	-749556	-1020591	-2650809	SLD 13	0.26	305	1.777	Si
188	-5543	-11402	-38100	SLD 15	0.38	815	2.659	-749556	-1020591	-2712090	SLD 13	0.26	327	1.829	Si

Campata 7 tra i fili 62B - 63, sezione R 45x70, asta 782

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	19.01	5.4						-1609107	SLU 30	-1427749	-2712090	0.099	Si
20	22.81	6.7	19.01	5.4						-1294795	SLU 30	-1293360	-2712090	0.099	Si
23	22.81	6.7	19.01	5.4						-1260462	SLU 30	-1260462	-2712090	0.099	Si
40	21.13	6.8	19.01	5.4						-1003927	SLU 30	-1260462	-2513168	0.097	Si
60	19.23	7	19.01	5.4						-736505	SLU 30	-1129754	-2288042	0.095	Si
71	18.28	7.1	19.01	5.4						-611585	SLU 30	-987937	-2175467	0.094	Si
91	15.21	7.4	19.01	5.4						-379330	SLU 30	-721886	-1811821	0.09	Si
111	15.21	7.4	19.01	5.4	-127631	SLU 2	90500	2364068	0.122	-179025	SLU 35	-479280	-1811821	0.09	Si
131	15.21	7.4	19.01	5.4	26172	SLU 11	241483	2364068	0.122	-33879	SLU 26	-261601	-1811821	0.09	Si
151	15.21	7.4	19.01	5.4	178019	SLU 29	369020	2364068	0.122	76695	SLU 8	-95543	-1811821	0.09	Si
171	15.21	7.4	19.01	5.4	315907	SLU 29	473290	2364068	0.122						Si
192	15.21	7.4	30.36	6.1	430351	SLU 29	554525	3590585	0.156						Si
212	15.21	7.4	34.21	6.3	521854	SLU 30	612314	4003310	0.17						Si
222	15.21	7.4	34.21	6.3	558855	SLU 30	632416	4003310	0.17						Si
242	15.21	7.4	34.21	6.3	615272	SLU 30	655038	4003310	0.17						Si
262	15.21	7.4	34.21	6.3	648244	SLU 30	656438	4003310	0.17						Si
275	15.21	7.4	34.21	6.3	656438	SLU 30	656438	4003310	0.17						Si
282	15.21	7.4	34.21	6.3	657771	SLU 30	657771	4003310	0.17						Si
302	15.21	7.4	34.21	6.3	644006	SLU 30	644006	4003310	0.17						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	19.01	5.4	1237319	SLV 15	1128147	2384638	0.107	-3469724	SLV 1	-3113131	-2712090	0.099	No
20	22.81	6.7	19.01	5.4	1034166	SLV 15	1032677	2384638	0.107	-2837496	SLV 1	-2834036	-2712090	0.099	No
23	22.81	6.7	19.01	5.4	1009306	SLV 15	1009306	2384638	0.107	-2765716	SLV 1	-2765716	-2712090	0.099	No
40	21.13	6.8	19.01	5.4	815421	SLV 15	1009306	2384456	0.11	-2221078	SLV 1	-2765716	-2513168	0.097	No
60	19.23	7	19.01	5.4	581194	SLV 15	913711	2384044	0.114	-1620581	SLV 1	-2491470	-2288042	0.095	No
71	18.28	7.1	19.01	5.4	458356	SLV 15	801940	2381244	0.115	-1326384	SLV 1	-2185707	-2175467	0.094	No
91	15.21	7.4	19.01	5.4	201721	SLV 15	566819	2364068	0.122	-750583	SLV 1	-1586153	-1811821	0.09	Si
111	15.21	7.4	19.01	5.4	-66779	SLV 15	601568	2364068	0.122	-194321	SLV 1	-1002886	-1811821	0.09	Si
131	15.21	7.4	19.01	5.4	367137	SLV 3	1123341	2364068	0.122	-371877	SLV 13	-814207	-1811821	0.09	Si
151	15.21	7.4	19.01	5.4	894914	SLV 1	1630350	2364068	0.122	-674698	SLV 15	-1141526	-1811821	0.09	Si
171	15.21	7.4	19.01	5.4	1408584	SLV 1	2121989	2364068	0.122	-994814	SLV 15	-1484878	-1811821	0.09	Si
192	15.21	7.4	30.36	6.1	1907047	SLV 1	2598078	3590585	0.156	-1331126	SLV 15	-1844083	-1858116	0.095	Si
212	15.21	7.4	34.21	6.3	2390015	SLV 1	3058545	4003310	0.17	-1683346	SLV 15	-2219069	-1873650	0.096	No
222	15.21	7.4	34.21	6.3	2625653	SLV 1	3282910	4003310	0.17	-1865386	SLV 15	-2412469	-1873650	0.096	No
242	15.21	7.4	34.21	6.3	3085206	SLV 1	3719890	4003310	0.17	-2241295	SLV 15	-2811072	-1873650	0.096	No
262	15.21	7.4	34.21	6.3	3529103	SLV 1	3803036	4003310	0.17	-2632951	SLV 15	-2890769	-1873650	0.096	No
275	15.21	7.4	34.21	6.3	3803036	SLV 1	3803036	4003310	0.17	-2890769	SLV 15	-2890769	-1873650	0.096	No
282	15.21	7.4	34.21	6.3	3957329	SLV 1	3937347	4003310	0.17	-3040339	SLV 15	-3019863	-1873650	0.096	No
302	15.21	7.4	34.21	6.3	4369973	SLV 1	4093613	4003310	0.17	-3463350	SLV 15	-3170058	-1873650	0.096	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	19.01	5.4						-2157730	SLD 1	-1930959	-2712090	0.099	Si
20	22.81	6.7	19.01	5.4						-1758347	SLD 1	-1756267	-2712090	0.099	Si
23	22.81	6.7	19.01	5.4						-1713504	SLD 1	-1713504	-2712090	0.099	Si
40	21.13	6.8	19.01	5.4						-1374714	SLD 1	-1713504	-2513168	0.097	Si
50	20.18	6.9	19.01	5.4						-1188817	SLD 1	-1713504	-2400574	0.096	Si
60	19.23	7	19.01	5.4						-1006880	SLD 1	-1542343	-2288042	0.095	Si
71	18.28	7.1	19.01	5.4						-828924	SLD 1	-1352960	-2175467	0.094	Si
91	15.21	7.4	19.01	5.4						-485147	SLD 1	-986055	-1811821	0.09	Si
111	15.21	7.4	19.01	5.4	-102331	SLD 15	293545	2364068	0.122	-158769	SLD 1	-635111	-1811821	0.09	Si
131	15.21	7.4	19.01	5.4	161151	SLD 3	583288	2364068	0.122	-165891	SLD 13	-300767	-1811821	0.09	Si
151	15.21	7.4	19.01	5.4	457416	SLD 1	857745	2364068	0.122	-237200	SLD 15	-368921	-1811821	0.09	Si
171	15.21	7.4	19.01	5.4	738685	SLD 1	1116647	2364068	0.122	-324914	SLD 15	-479536	-1811821	0.09	Si
192	15.21	7.4	30.36	6.1	1004471	SLD 1	1359914	3590585	0.156	-428550	SLD 15	-605919	-1858116	0.095	Si
212	15.21	7.4	34.21	6.3	1254647	SLD 1	1587515	4003310	0.17	-547977	SLD 15	-748039	-1873650	0.096	Si
222	15.21	7.4	34.21	6.3	1373866	SLD 1	1695437	4003310	0.17	-613598	SLD 15	-824996	-1873650	0.096	Si
242	15.21	7.4	34.21	6.3	1600550	SLD 1	1899514	4003310	0.17	-756639	SLD 15	-990697	-1873650	0.096	Si
262	15.21	7.4	34.21	6.3	1811553	SLD 1	1937271	4003310	0.17	-915401	SLD 15	-1025004	-1873650	0.096	Si
275	15.21	7.4	34.21	6.3	1937271	SLD 1	1937271	4003310	0.17	-1025004	SLD 15	-1025004	-1873650	0.096	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
282	15.21	7.4	34.21	6.3	2006869	SLD 1	1998164	4003310	0.17	-1089879	SLD 15	-1080679	-1873650	0.096	Si
302	15.21	7.4	34.21	6.3	2186590	SLD 1	2069010	4003310	0.17	-1279968	SLD 15	-1145455	-1873650	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.23	0	16167	SLU 30	16167	12867	75321	0	12867	1	Si
20	0	15.21	0	15004	SLU 30	15004	11899	75321	0	11899	1	Si
23	0.33	15.21	0	14870	SLU 30	14870	11899	75321	37556	37556	1	Si
40	0.33	15.21	0	13842	SLU 30	13842	11890	75195	37493	37493	1	Si
60	0.33	15.21	0	12679	SLU 30	12679	11877	75025	37408	37408	1	Si
71	0.33	15.21	0	12098	SLU 30	12098	11869	74927	37360	37360	1	Si
91	0.33	15.21	0	10935	SLU 30	10935	11838	74527	37160	37160	1	Si
111	0.295	15.21	0	9773	SLU 30	9773	11838	74527	33175	33175	1	Si
131	0.295	19.01	0	8610	SLU 30	8610	12949	76908	34235	34235	1	Si
151	0.295	19.01	0	7448	SLU 30	7448	12949	76908	34235	34235	1	Si
171	0.295	19.01	0	6285	SLU 30	6285	12949	76908	34235	34235	1	Si
192	0.295	19.01	0	5123	SLU 30	5123	12876	76018	33838	33838	1	Si
212	0.259	19.01	0	3960	SLU 30	3960	12862	75850	29598	29598	1	Si
222	0.259	19.01	0	3379	SLU 30	3379	12862	75850	29598	29598	1	Si
242	0.259	27.65	0	2292	SLU 35	2292	14573	75850	29598	29598	1	Si
262	0.259	33.08	0	1455	SLU 26	1455	15471	75850	29598	29598	1	Si
275	0.259	34.21	0	939	SLU 26	939	15646	75850	29598	29598	1	Si
282	0	34.21	0	645	SLU 26	645	15646	75850	0	15646	1	Si
282	0	34.21	0	-311	SLU 11	-311	-15646	-75850	0	-15646	1	Si
302	0	34.21	0	-1207	SLU 11	-1207	-15646	-75850	0	-15646	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.23	0	31750	SLV 1	37138	12867	75321	0	12867	1	Si
0	0	19.01	0	-9695	SLV 15	-15083	-12949	-76908	0	-12949	1	Si
20	0	15.21	0	30971	SLV 1	36359	11899	75321	0	11899	1	Si
20	0	19.01	0	-10473	SLV 15	-15861	-12949	-76908	0	-12949	1	Si
23	0.33	15.21	0	30881	SLV 1	36269	11899	75321	37556	37556	1	Si
23	0.33	19.01	0	-10564	SLV 15	-15951	-12949	-76908	-38347	-38347	1	Si
40	0.33	15.21	0	30193	SLV 1	35581	11890	75195	37493	37493	1	Si
40	0.33	19.01	0	-11252	SLV 15	-16640	-12949	-76908	-38347	-38347	1	Si
60	0.33	15.21	0	29414	SLV 1	34802	11877	75025	37408	37408	1	Si
60	0.33	19.01	0	-12031	SLV 15	-17418	-12949	-76908	-38347	-38347	1	Si
71	0.33	15.21	0	29025	SLV 1	34413	11869	74927	37360	37360	1	Si
71	0.33	19.01	0	-12420	SLV 15	-17808	-12949	-76908	-38347	-38347	1	Si
91	0.33	15.21	0	28246	SLV 1	33634	11838	74527	37160	37160	1	Si
91	0.33	19.01	0	-13199	SLV 15	-18586	-12949	-76908	-38347	-38347	1	Si
111	0.295	15.21	0	27468	SLV 1	32856	11838	74527	33175	33175	1	Si
111	0.295	15.21	0	-13977	SLV 15	-19365	-11838	-74527	-33175	-33175	1	Si
131	0.295	19.01	0	26689	SLV 1	32077	12949	76908	34235	34235	1	Si
131	0.295	15.21	0	-14756	SLV 15	-20144	-11838	-74527	-33175	-33175	1	Si
151	0.295	19.01	0	25911	SLV 1	31298	12949	76908	34235	34235	1	Si
151	0.295	15.21	0	-15534	SLV 15	-20922	-11838	-74527	-33175	-33175	1	Si
171	0.295	19.01	0	25132	SLV 1	30520	12949	76908	34235	34235	1	Si
171	0.295	15.21	0	-16313	SLV 15	-21701	-11838	-74527	-33175	-33175	1	Si
192	0.295	19.01	0	24353	SLV 1	29741	12876	76018	33838	33838	1	Si
192	0.295	15.21	0	-17091	SLV 15	-22479	-11838	-74527	-33175	-33175	1	Si
212	0.259	19.01	0	23575	SLV 1	28963	12862	75850	29598	29598	1	Si
212	0.259	15.21	0	-17870	SLV 15	-23258	-11838	-74527	-29082	-29082	1	Si
222	0.259	19.01	0	23186	SLV 1	28573	12862	75850	29598	29598	1	Si
222	0.259	15.21	0	-18259	SLV 15	-23647	-11838	-74527	-29082	-29082	1	Si
242	0.259	27.65	0	22407	SLV 1	27795	14573	75850	29598	29598	1	Si
242	0.259	15.21	0	-19038	SLV 15	-24426	-11838	-74527	-29082	-29082	1	Si
262	0.259	33.08	0	21628	SLV 1	27016	15471	75850	29598	29598	1	Si
262	0.259	15.21	0	-19817	SLV 15	-25204	-11838	-74527	-29082	-29082	1	Si
275	0.259	34.21	0	21133	SLV 1	26521	15646	75850	29598	29598	1	Si
275	0.259	15.21	0	-20312	SLV 15	-25700	-11838	-74527	-29082	-29082	1	Si
282	0	34.21	0	20850	SLV 1	26238	15646	75850	0	15646	1	Si
282	0	15.21	0	-20595	SLV 15	-25983	-11838	-74527	0	-11838	1	Si
302	0	34.21	0	20148	SLV 1	25536	15646	75850	0	15646	1	Si
302	0	15.21	0	-21297	SLV 15	-26685	-11838	-74527	0	-11838	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.23	0	20198	SLD 1	20198	12867	75321	0	12867	1	Si
20	0	15.21	0	19419	SLD 1	19419	11899	75321	0	11899	1	Si
23	0.33	15.21	0	19329	SLD 1	19329	11899	75321	37556	37556	1	Si
40	0.33	15.21	0	18641	SLD 1	18641	11890	75195	37493	37493	1	Si
60	0.33	15.21	0	17862	SLD 1	17862	11877	75025	37408	37408	1	Si
60	0.33	15.21	0	-479	SLD 15	-479	-11877	-75025	-37408	-37408	1	Si
71	0.33	15.21	0	17473	SLD 1	17473	11869	74927	37360	37360	1	Si
71	0.33	15.21	0	-868	SLD 15	-868	-11869	-74927	-37360	-37360	1	Si
91	0.33	15.21	0	16694	SLD 1	16694	11838	74527	37160	37160	1	Si
91	0.33	15.21	0	-1647	SLD 15	-1647	-11838	-74527	-37160	-37160	1	Si
111	0.295	15.21	0	15916	SLD 1	15916	11838	74527	33175	33175	1	Si
111	0.295	15.21	0	-2425	SLD 15	-2425	-11838	-74527	-33175	-33175	1	Si
131	0.295	19.01	0	15137	SLD 1	15137	12949	76908	34235	34235	1	Si
131	0.295	15.21	0	-3204	SLD 15	-3204	-11838	-74527	-33175	-33175	1	Si
151	0.295	19.01	0	14359	SLD 1	14359	12949	76908	34235	34235	1	Si
151	0.295	15.21	0	-3982	SLD 15	-3982	-11838	-74527	-33175	-33175	1	Si
171	0.295	19.01	0	13580	SLD 1	13580	12949	76908	34235	34235	1	Si
171	0.295	15.21	0	-4761	SLD 15	-4761	-11838	-74527	-33175	-33175	1	Si
192	0.295	19.01	0	12801	SLD 1	12801	12876	76018	33838	33838	1	Si
192	0.295	15.21	0	-5540	SLD 15	-5540	-11838	-74527	-33175	-33175	1	Si
212	0.259	19.01	0	12023	SLD 1	12023	12862	75850	29598	29598	1	Si
212	0.259	15.21	0	-6318	SLD 15	-6318	-11838	-74527	-29082	-29082	1	Si
222	0.259	19.01	0	11634	SLD 1	11634	12862	75850	29598	29598	1	Si
222	0.259	15.21	0	-6707	SLD 15	-6707	-11838	-74527	-29082	-29082	1	Si
242	0.259	27.65	0	10855	SLD 1	10855	14573	75850	29598	29598	1	Si
242	0.259	15.21	0	-7486	SLD 15	-7486	-11838	-74527	-29082	-29082	1	Si
262	0.259	33.08	0	10076	SLD 1	10076	15471	75850	29598	29598	1	Si
262	0.259	15.21	0	-8265	SLD 15	-8265	-11838	-74527	-29082	-29082	1	Si
275	0.259	34.21	0	9581	SLD 1	9581	15646	75850	29598	29598	1	Si
275	0.259	15.21	0	-8760	SLD 15	-8760	-11838	-74527	-29082	-29082	1	Si
282	0	34.21	0	9298	SLD 1	9298	15646	75850	0	15646	1	Si
282	0	15.21	0	-9043	SLD 15	-9043	-11838	-74527	0	-11838	1	Si
302	0	34.21	0	8596	SLD 1	8596	15646	75850	0	15646	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
302	0	15.21	0	-9745	SLD 15	-9745	-11838	-74527	0	-11838	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1188358	3	-1055295	27.1	124.5	839.8	1837	-1116203	2	-992492	25.5	93.4	0	+∞	Si
20	-957689	3	-956634	24.5	124.5	761.3	1837	-901665	2	-900680	23.1	93.4	0	+∞	Si
23	-932482	3	-932482	23.9	124.5	742.1	1837	-878205	2	-878205	22.5	93.4	0	+∞	Si
40	-744101	3	-932482	24.6	124.5	801.8	1837	-702829	2	-878205	23.1	93.4	0	+∞	Si
60	-547592	3	-836512	22.8	124.5	791.6	1837	-519694	2	-788879	21.5	93.4	0	+∞	Si
71	-455743	3	-732353	20.3	124.5	729.9	1837	-434014	2	-691883	19.2	93.4	0	+∞	Si
91	-284855	3	-536844	16	124.5	646.7	1837	-274431	2	-509667	15.2	93.4	0	+∞	Si
111	-136717	8	-358415	10.7	124.5	431.8	1837	-132232	1	-343152	10.2	93.4	0	+∞	Si
131	6908	2	173159	4.9	124.5	157.9	1837								Si
131	-19647	8	-198054	5.9	124.5	238.6	1837	-16288	1	-192339	5.7	93.4	0	+∞	Si
151	126165	2	267795	7.6	124.5	244.3	1837	110108	2	244412	7	93.4	0	+∞	Si
171	228341	2	345469	9.8	124.5	315.1	1837	206885	2	318556	9.1	93.4	0	+∞	Si
192	313437	2	406336	10.1	124.5	244	1837	287961	2	376998	9.4	93.4	0	+∞	Si
212	381790	3	450122	10.9	124.5	242.8	1837	353335	2	419738	10.1	93.4	0	+∞	Si
222	409589	3	465610	11.2	124.5	251.2	1837	380134	2	435220	10.5	93.4	0	+∞	Si
242	452376	3	483776	11.7	124.5	261	1837	421956	2	454409	11	93.4	0	+∞	Si
262	478082	3	485125	11.7	124.5	261.7	1837	448076	2	456134	11	93.4	0	+∞	Si
275	485125	3	485125	11.7	124.5	261.7	1837	456134	2	456134	11	93.4	0	+∞	Si
282	486709	3	486709	11.8	124.5	262.6	1837	458495	2	458495	11.1	93.4	0	+∞	Si
302	478365	3	478365	11.5	124.5	258.1	1837	453311	2	453311	10.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
23	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
40	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
60	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.006	2	-0.006	2	9999	Si
71	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	2	-0.006	2	9999	Si
91	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.004	2	-0.004	2	9999	Si
111	0	-0.001	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.002	2	-0.003	2	9999	Si
131	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0	2	-0.001	2	9999	Si
151	0.003	0.002	0.001	0	0.002	0.002	0.001	0	0.002	0.002	0.002	2	0.001	2	9999	Si
171	0.004	0.003	0.002	0.001	0.003	0.003	0.002	0.001	0.003	0.003	0.004	2	0.003	2	9999	Si
192	0.004	0.003	0.003	0.002	0.004	0.003	0.002	0.002	0.004	0.003	0.005	2	0.004	2	9999	Si
212	0.005	0.004	0.003	0.002	0.004	0.004	0.003	0.002	0.004	0.004	0.006	2	0.005	2	9999	Si
222	0.005	0.004	0.003	0.002	0.004	0.004	0.003	0.002	0.004	0.004	0.006	2	0.005	2	9999	Si
242	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.004	0.003	0.006	2	0.005	2	9999	Si
262	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.004	2	9999	Si
275	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
282	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	10159	26110	37556	SLV 1	0.38	800	1.049	-878205	-1887511	-2712090	SLV 1	0.35	663	0.971	No
40	9470	26110	37493	SLV 1	0.39	845	1.073	-878205	-1887511	-2513168	SLV 1	0.32	503	0.867	No
60	8692	26110	37408	SLV 1	0.4	897	1.099	-788879	-1702590	-2288042	SLV 1	0.32	523	0.881	No
71	8302	26110	37360	SLV 1	0.4	924	1.113	-691883	-1493824	-2175467	SLV 1	0.36	700	0.993	No
91	7524	26110	37160	SLV 1	0.41	969	1.135	-509667	-1076486	-1811821	SLV 1	0.44	1146	1.215	Si
111	6745	26110	33175	SLV 1	0.37	733	1.012	-343152	-659734	-1811821	SLV 1	0.57	2474	1.666	Si
131	5967	26110	34235	SLV 1	0.39	863	1.082	154567	-968774	-1811821	SLV 15	0.57	2474	1.666	Si
151	5188	26110	34235	SLV 1	0.4	923	1.112	244412	-1385938	-1811821	SLV 15	0.53	1974	1.519	Si
171	4410	26110	34235	SLV 1	0.41	985	1.142	318556	1803434	2364068	SLV 1	0.41	967	1.134	Si
192	3631	26110	33838	SLV 1	0.42	1019	1.158	376998	-2221080	-1858116	SLV 15	0.37	722	1.006	Si
212	2852	26110	29598	SLV 1	0.37	754	1.024	419738	-2638807	-1873650	SLV 15	0.32	507	0.87	No
222	2463	26110	29598	SLV 1	0.38	781	1.039	435220	-2847690	-1873650	SLV 15	0.3	433	0.816	No
242	1685	26110	29598	SLV 1	0.39	837	1.069	454409	-3265481	-1873650	SLV 15	0.26	327	0.727	No
262	906	26110	29598	SLV 1	0.4	895	1.098	456134	-3346902	-1873650	SLV 15	0.26	310	0.711	No
275	410	26110	29598	SLV 1	0.41	934	1.118	456134	-3346902	-1873650	SLV 15	0.26	310	0.711	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	10159	9171	37556	SLD 1	0.4	910	2.782	-878205	-835299	-2712090	SLD 1	0.3	437	2.06	Si
40	9470	9171	37493	SLD 1	0.41	962	2.847	-878205	-835299	-2513168	SLD 1	0.27	340	1.858	Si
60	8692	9171	37408	SLD 1	0.42	1026	2.923	-788879	-753464	-2288042	SLD 1	0.27	352	1.885	Si
71	8302	9171	37360	SLD 1	0.42	1060	2.962	-691883	-661077	-2175467	SLD 1	0.3	458	2.1	Si
91	7524	9171	37160	SLD 1	0.43	1118	3.028	-509667	-476388	-1811821	SLD 1	0.37	733	2.546	Si
111	6745	9171	33175	SLD 1	0.39	834	2.685	-343152	-291958	-1811821	SLD 1	0.6	2474	4.193	Si
131	5967	9171	34235	SLD 1	0.41	983	2.872	154567	-428721	-1811821	SLD 15	0.6	2474	4.193	Si
151	5188	9171	34235	SLD 1	0.42	1059	2.961	244412	-613333	-1811821	SLD 15	0.45	1233	3.152	Si
171	4410	9171	34235	SLD 1	0.44	1137	3.049	318556	798091	2364068	SLD 1	0.35	627	2.388	Si
192	3631	9171	33838	SLD 1	0.44	1176	3.091	376998	-982916	-1858116	SLD 15	0.31	471	2.124	Si
212	2852	9171	29598	SLD 1	0.39	858	2.716	419738	-1167777	-1873650	SLD 15	0.27	342	1.863	Si
222	2463	9171	29598	SLD 1	0.4	889	2.756	435220	-1260216	-1873650	SLD 15	0.25	295	1.753	Si
242	1685	9171	29598	SLD 1	0.41	953	2.836	454409	-1445106	-1873650	SLD 15	0.22	222	1.56	Si
262	906	9171	29598	SLD 1	0.42	1023	2.919	456134	-1481138	-1873650	SLD 15	0.22	210	1.525	Si
275	410	9171	29598	SLD 1	0.43	1073	2.977	456134	-1481138	-1873650	SLD 15	0.22	210	1.525	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 60B-36A

Dati iniziali

Analisi di edificio esistente con fattore di struttura

Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 60B - 49B, sezione R 45x70, asta 797

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4						-514440	SLU 30	-465879	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4						-419141	SLU 30	-419141	-1872764	0.089	Si
58	15.21	5.4	15.21	5.4						-276077	SLU 30	-390523	-1872764	0.089	Si
117	12.43	5.4	15.21	5.4	-41598	SLU 1	34954	1872951	0.089	-72550	SLU 30	-169636	-1543272	0.085	Si
175	7.6	5.4	14.85	5.4	113830	SLU 19	183475	1831220	0.091						Si
204	7.6	5.4	11.4	5.4	183707	SLU 19	244672	1422093	0.084						Si
262	7.6	5.4	11.4	5.4	297334	SLU 19	340939	1422093	0.084						Si
321	7.6	5.4	11.4	5.4	376126	SLU 19	402371	1422093	0.084						Si
379	7.6	5.4	11.4	5.4	420081	SLU 19	428966	1422093	0.084						Si
437	7.6	5.4	11.4	5.4	429201	SLU 19	429201	1422093	0.084						Si
496	7.6	5.4	11.4	5.4	403484	SLU 19	420640	1422093	0.084						Si
554	7.6	5.4	11.4	5.4	343523	SLU 29	377448	1422093	0.084						Si
612	7.6	5.4	11.4	5.4	250931	SLU 30	301407	1422093	0.084						Si
642	7.6	5.4	11.4	5.4	191578	SLU 30	250734	1422093	0.084						Si
700	12.43	5.4	11.4	5.4	46746	SLU 30	123262	1422094	0.084	30645	SLU 1	-47453	-1543376	0.085	Si
758	15.21	5.4	11.4	5.4						-143334	SLU 19	-247291	-1873055	0.09	Si
817	19.43	5.4	11.4	5.4						-360648	SLU 19	-481965	-2373658	0.098	Si
852	22.81	5.4	11.4	5.4						-512181	SLU 19	-512181	-2773209	0.105	Si
875	22.81	5.4	11.4	5.4						-612798	SLU 19	-561578	-2773209	0.105	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	1618048	SLV 7	1608909	1872764	0.089	-2392052	SLV 9	-2308565	-1872764	0.089	No
23	15.21	5.4	15.21	5.4	1598244	SLV 7	1598244	1872764	0.089	-2226357	SLV 9	-2226357	-1872764	0.089	No
58	15.21	5.4	15.21	5.4	1560030	SLV 7	1592268	1872764	0.089	-1969199	SLV 9	-2176573	-1872764	0.089	No
117	12.43	5.4	15.21	5.4	1475353	SLV 7	1520868	1872951	0.089	-1573282	SLV 9	-1767224	-1543272	0.085	No
146	7.6	5.4	15.21	5.4	1423045	SLV 7	1475180	1873491	0.092	-1385452	SLV 9	-1572659	-971252	0.079	No
175	7.6	5.4	14.85	5.4	1364116	SLV 7	1422850	1831220	0.091	-1204399	SLV 9	-1384852	-971221	0.079	No
204	7.6	5.4	11.4	5.4	1298598	SLV 7	1363899	1422093	0.084	-1030154	SLV 9	-1203821	-970824	0.078	No
262	7.6	5.4	11.4	5.4	1148010	SLV 7	1226276	1422093	0.084	-702311	SLV 9	-862234	-970824	0.078	Si
321	7.6	5.4	11.4	5.4	972159	SLV 7	1062845	1422093	0.084	-402797	SLV 9	-548433	-970824	0.078	Si
379	7.6	5.4	11.4	5.4	773229	SLV 11	875041	1422093	0.084	-133799	SLV 5	-263852	-970824	0.078	Si
437	7.6	5.4	11.4	5.4	553640	SLV 11	665634	1422093	0.084	102265	SLV 5	-11263	-970824	0.078	Si
496	7.6	5.4	11.4	5.4	403774	SLV 13	459101	1422093	0.084						Si
554	7.6	5.4	11.4	5.4	552927	SLV 9	639681	1422093	0.084	-24854	SLV 7	-176846	-970824	0.078	Si
612	7.6	5.4	11.4	5.4	720462	SLV 9	794109	1422093	0.084	-336696	SLV 7	-502289	-970824	0.078	Si
642	7.6	5.4	11.4	5.4	794354	SLV 9	861396	1422093	0.084	-502839	SLV 7	-675181	-970824	0.078	Si
700	12.43	5.4	11.4	5.4	922238	SLV 9	976019	1422094	0.084	-855420	SLV 7	-1041209	-1543376	0.085	Si
758	15.21	5.4	11.4	5.4	1023490	SLV 9	1063973	1422107	0.084	-1234963	SLV 7	-1434161	-1873055	0.09	Si
817	19.43	5.4	11.4	5.4	1098045	SLV 9	1125210	1422107	0.084	-1641403	SLV 7	-1853991	-2373658	0.098	Si
852	22.81	5.4	11.4	5.4	1130002	SLV 9	1130002	1422107	0.084	-1904986	SLV 7	-1904986	-2773209	0.105	Si
875	22.81	5.4	11.4	5.4	1145870	SLV 9	1138676	1422107	0.084	-2074706	SLV 7	-1989184	-2773209	0.105	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	500262	SLD 7	500262	1872764	0.089	-1274266	SLD 9	-1216598	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4	532164	SLD 7	568244	1872764	0.089	-1160278	SLD 9	-1160278	-1872764	0.089	Si
58	15.21	5.4	15.21	5.4	576283	SLD 7	604173	1872764	0.089	-985452	SLD 9	-1126036	-1872764	0.089	Si
117	12.43	5.4	15.21	5.4	625568	SLD 7	640149	1872951	0.089	-723497	SLD 9	-850692	-1543272	0.085	Si
146	7.6	5.4	15.21	5.4	640197	SLD 7	648135	1873491	0.092	-602603	SLD 9	-723096	-971252	0.079	Si
175	7.6	5.4	14.85	5.4	648161	SLD 7	649470	1831220	0.091	-488444	SLD 9	-602225	-971221	0.079	Si
204	7.6	5.4	11.4	5.4	649475	SLD 7	649475	1422093	0.084	-381031	SLD 9	-488088	-970824	0.078	Si
262	7.6	5.4	11.4	5.4	632246	SLD 7	644119	1422093	0.084	-186547	SLD 9	-280077	-970824	0.078	Si
321	7.6	5.4	11.4	5.4	588900	SLD 7	613713	1422093	0.084	-19539	SLD 9	-99301	-970824	0.078	Si
379	7.6	5.4	11.4	5.4	520402	SLD 11	557583	1422093	0.084						Si
437	7.6	5.4	11.4	5.4	427823	SLD 11	476955	1422093	0.084						Si
496	7.6	5.4	11.4	5.4	351159	SLD 13	372176	1422093	0.084						Si
554	7.6	5.4	11.4	5.4	391876	SLD 9	412082	1422093	0.084						Si
612	7.6	5.4	11.4	5.4	425789	SLD 9	432750	1422093	0.084	-42023	SLD 7	-140929	-970824	0.078	Si
642	7.6	5.4	11.4	5.4	432773	SLD 9	433089	1422093	0.084	-141258	SLD 7	-246873	-970824	0.078	Si
700	12.43	5.4	11.4	5.4	426731	SLD 9	433069	1422094	0.084	-359913	SLD 7	-478923	-1543376	0.085	Si
758	15.21	5.4	11.4	5.4	393965	SLD 9	413625	1422107	0.084	-605438	SLD 7	-737827	-1873055	0.09	Si
817	19.43	5.4	11.4	5.4	334447	SLD 9	367441	1422107	0.084	-877804	SLD 7	-1023563	-2373658	0.098	Si
852	22.81	5.4	11.4	5.4	284024	SLD 9	325219	1422107	0.084	-1059008	SLD 7	-1059008	-2773209	0.105	Si
875	22.81	5.4	11.4	5.4	248161	SLD 9	248161	1422107	0.084	-1176997	SLD 7	-1117318	-2773209	0.105	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	4385	SLU 30	4385	12021	76908	0	12021	1	Si
23	0.068	15.18	0	4154	SLU 30	4154	12013	76908	7874	12013	1	Si
58	0.068	12.43	0	3788	SLU 30	3788	11239	76908	7874	11239	1	Si
87	0.068	7.6	0	3489	SLU 30	3489	9541	76908	7874	9541	1	Si
117	0.068	7.6	0	3190	SLU 30	3190	9541	76908	7874	9541	1	Si
175	0.068	11.4	0	2593	SLU 30	2593	10922	76908	7874	10922	1	Si
204	0.068	11.4	0	2295	SLU 30	2295	10922	76908	7874	10922	1	Si
262	0.068	11.4	0	1697	SLU 30	1697	10922	76908	7874	10922	1	Si
321	0.068	11.4	0	1100	SLU 30	1100	10922	76908	7874	10922	1	Si
379	0.068	11.4	0	503	SLU 30	503	10922	76908	7874	10922	1	Si
437	0.068	11.4	0	-142	SLU 19	-142	-10922	-76908	-7874	-10922	1	Si
496	0.068	11.4	0	-739	SLU 19	-739	-10922	-76908	-7874	-10922	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
554	0.068	11.4	0	-1337	SLU 19	-1337	-10922	-76908	-7874	-10922	1	Si
612	0.068	11.4	0	-1934	SLU 19	-1934	-10922	-76908	-7874	-10922	1	Si
642	0.068	11.4	0	-2232	SLU 19	-2232	-10922	-76908	-7874	-10922	1	Si
700	0.068	11.4	0	-2830	SLU 19	-2830	-10922	-76908	-7874	-10922	1	Si
758	0.068	12.43	0	-3427	SLU 19	-3427	-11239	-76908	-7874	-11239	1	Si
817	0.068	15.21	0	-4024	SLU 19	-4024	-12021	-76908	-7874	-12021	1	Si
852	0.068	15.21	0	-4391	SLU 19	-4391	-12021	-76908	-7874	-12021	1	Si
875	0	19.43	0	-4621	SLU 19	-4621	-13045	-76908	0	-13045	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	7484	SLV 9	8558	12021	76908	0	12021	1	Si
0	0	15.21	0	-771	SLV 7	-1844	-12021	-76908	0	-12021	1	Si
23	0.068	15.18	0	7307	SLV 9	8380	12013	76908	7874	12013	1	Si
23	0.068	15.21	0	-948	SLV 7	-2021	-12021	-76908	-7874	-12021	1	Si
58	0.068	12.43	0	7025	SLV 9	8098	11239	76908	7874	11239	1	Si
58	0.068	15.21	0	-1230	SLV 7	-2303	-12021	-76908	-7874	-12021	1	Si
87	0.068	7.6	0	6795	SLV 9	7869	9541	76908	7874	9541	1	Si
87	0.068	15.21	0	-1460	SLV 7	-2533	-12021	-76908	-7874	-12021	1	Si
117	0.068	7.6	0	6566	SLV 9	7639	9541	76908	7874	9541	1	Si
117	0.068	14.85	0	-1690	SLV 7	-2763	-11926	-76908	-7874	-11926	1	Si
175	0.068	7.6	0	6106	SLV 9	7180	9541	76908	7874	9541	1	Si
175	0.068	11.4	0	-2149	SLV 7	-3222	-10922	-76908	-7874	-10922	1	Si
204	0.068	7.6	0	5877	SLV 9	6950	9541	76908	7874	9541	1	Si
204	0.068	11.4	0	-2379	SLV 7	-3452	-10922	-76908	-7874	-10922	1	Si
262	0.068	7.6	0	5417	SLV 9	6490	9541	76908	7874	9541	1	Si
262	0.068	11.4	0	-2838	SLV 7	-3911	-10922	-76908	-7874	-10922	1	Si
321	0.068	7.6	0	4958	SLV 9	6031	9541	76908	7874	9541	1	Si
321	0.068	11.4	0	-3297	SLV 7	-4371	-10922	-76908	-7874	-10922	1	Si
379	0.068	7.6	0	4499	SLV 9	5572	9541	76908	7874	9541	1	Si
379	0.068	11.4	0	-3757	SLV 7	-4830	-10922	-76908	-7874	-10922	1	Si
437	0.068	11.4	0	4039	SLV 9	5112	10922	76908	7874	10922	1	Si
437	0.068	11.4	0	-4216	SLV 7	-5289	-10922	-76908	-7874	-10922	1	Si
496	0.068	11.4	0	3580	SLV 9	4653	10922	76908	7874	10922	1	Si
496	0.068	11.4	0	-4676	SLV 7	-5749	-10922	-76908	-7874	-10922	1	Si
554	0.068	11.4	0	3120	SLV 9	4194	10922	76908	7874	10922	1	Si
554	0.068	7.6	0	-5135	SLV 7	-6208	-9541	-76908	-7874	-9541	1	Si
612	0.068	11.4	0	2661	SLV 9	3734	10922	76908	7874	10922	1	Si
612	0.068	7.6	0	-5594	SLV 7	-6667	-9541	-76908	-7874	-9541	1	Si
642	0.068	11.4	0	2431	SLV 9	3505	10922	76908	7874	10922	1	Si
642	0.068	7.6	0	-5824	SLV 7	-6897	-9541	-76908	-7874	-9541	1	Si
700	0.068	11.4	0	1972	SLV 9	3045	10922	76908	7874	10922	1	Si
700	0.068	7.6	0	-6283	SLV 7	-7357	-9541	-76908	-7874	-9541	1	Si
758	0.068	11.4	0	1513	SLV 9	2586	10922	76908	7874	10922	1	Si
758	0.068	12.43	0	-6743	SLV 7	-7816	-11239	-76908	-7874	-11239	1	Si
817	0.068	11.4	0	1053	SLV 9	2126	10922	76908	7874	10922	1	Si
817	0.068	15.21	0	-7202	SLV 7	-8275	-12021	-76908	-7874	-12021	1	Si
852	0.068	11.4	0	771	SLV 9	1844	10922	76908	7874	10922	1	Si
852	0.068	15.21	0	-7484	SLV 7	-8557	-12021	-76908	-7874	-12021	1	Si
875	0	11.4	0	594	SLV 9	1667	10922	76908	0	10922	1	Si
875	0	19.43	0	-7661	SLV 7	-8735	-13045	-76908	0	-13045	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	5183	SLD 9	5183	12021	76908	0	12021	1	Si
23	0.068	15.18	0	5006	SLD 9	5006	12013	76908	7874	12013	1	Si
58	0.068	12.43	0	4724	SLD 9	4724	11239	76908	7874	11239	1	Si
87	0.068	7.6	0	4494	SLD 9	4494	9541	76908	7874	9541	1	Si
117	0.068	7.6	0	4265	SLD 9	4265	9541	76908	7874	9541	1	Si
175	0.068	7.6	0	3805	SLD 9	3805	9541	76908	7874	9541	1	Si
204	0.068	7.6	0	3576	SLD 9	3576	9541	76908	7874	9541	1	Si
204	0.068	11.4	0	-78	SLD 7	-78	-10922	-76908	-7874	-10922	1	Si
262	0.068	7.6	0	3116	SLD 9	3116	9541	76908	7874	9541	1	Si
262	0.068	11.4	0	-537	SLD 7	-537	-10922	-76908	-7874	-10922	1	Si
321	0.068	7.6	0	2657	SLD 9	2657	9541	76908	7874	9541	1	Si
321	0.068	11.4	0	-996	SLD 7	-996	-10922	-76908	-7874	-10922	1	Si
379	0.068	11.4	0	2197	SLD 9	2197	10922	76908	7874	10922	1	Si
379	0.068	11.4	0	-1456	SLD 7	-1456	-10922	-76908	-7874	-10922	1	Si
437	0.068	11.4	0	1738	SLD 9	1738	10922	76908	7874	10922	1	Si
437	0.068	11.4	0	-1915	SLD 7	-1915	-10922	-76908	-7874	-10922	1	Si
496	0.068	11.4	0	1279	SLD 9	1279	10922	76908	7874	10922	1	Si
496	0.068	11.4	0	-2374	SLD 7	-2374	-10922	-76908	-7874	-10922	1	Si
554	0.068	11.4	0	819	SLD 9	819	10922	76908	7874	10922	1	Si
554	0.068	11.4	0	-2834	SLD 7	-2834	-10922	-76908	-7874	-10922	1	Si
612	0.068	11.4	0	360	SLD 9	360	10922	76908	7874	10922	1	Si
612	0.068	7.6	0	-3293	SLD 7	-3293	-9541	-76908	-7874	-9541	1	Si
642	0.068	11.4	0	130	SLD 9	130	10922	76908	7874	10922	1	Si
642	0.068	7.6	0	-3523	SLD 7	-3523	-9541	-76908	-7874	-9541	1	Si
700	0.068	7.6	0	-3982	SLD 7	-3982	-9541	-76908	-7874	-9541	1	Si
758	0.068	12.43	0	-4442	SLD 7	-4442	-11239	-76908	-7874	-11239	1	Si
817	0.068	15.21	0	-4901	SLD 7	-4901	-12021	-76908	-7874	-12021	1	Si
852	0.068	15.21	0	-5183	SLD 7	-5183	-12021	-76908	-7874	-12021	1	Si
875	0	19.43	0	-5360	SLD 7	-5360	-13045	-76908	0	-13045	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-392166	3	-354884	10.5	124.5	397.7	1837	-387002	2	-349828	10.4	93.4	0	+∞	Si
23	-319005	3	-319005	9.5	124.5	357.5	1837	-314057	2	-314057	9.3	93.4	0	+∞	Si
58	-209190	3	-297036	8.8	124.5	332.9	1837	-204585	2	-292152	8.7	93.4	0	+∞	Si
117	-53012	3	-127504	4.1	124.5	173.7	1837	-48964	2	-123178	3.9	93.4	0	+∞	Si
175	84750	1	138541	4.6	124.5	160	1837	84750	1	138541	4.6	93.4	0	+∞	Si
204	138720	1	185833	6.7	124.5	276.7	1837	138720	1	185833	6.7	93.4	0	+∞	Si
262	226561	1	260321	9.5	124.5	387.6	1837	226561	1	260321	9.5	93.4	0	+∞	Si
321	287606	1	308012	11.2	124.5	458.6	1837	287606	1	308012	11.2	93.4	0	+∞	Si
379	321854	1	328906	11.9	124.5	489.7	1837	321854	1	328906	11.9	93.4	0	+∞	Si
437	329305	1	329305	12	124.5	490.3	1837	329305	1	329305	12	93.4	0	+∞	Si
496	309959	1	322938	11.7	124.5	480.8	1837	309959	1	322938	11.7	93.4	0	+∞	Si
554	264183	2	290150	10.5	124.5	432	1837	264036	2	290150	10.5	93.4	0	+∞	Si
612	192579	3	231596	8.4	124.5	344.8	1837	191883	2	231179	8.4	93.4	0	+∞	Si
642	146732	3	192427	7	124.5	286.5	1837	145758	2	191730	7	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
700	34942	3	93990	3.2	124.5	139.4	1837	33409	2	92736	3.2	93.4	0	+∞	Si
758	-108709	1	-188458	5.9	124.5	211.9	1837	-108709	1	-188458	5.9	93.4	0	+∞	Si
817	-275437	1	-368541	10.6	124.5	327.5	1837	-275437	1	-368541	10.6	93.4	0	+∞	Si
852	-391733	1	-391733	10.7	124.5	298.6	1837	-391733	1	-391733	10.7	93.4	0	+∞	Si
875	-468963	1	-429647	11.7	124.5	327.5	1837	-468963	1	-429647	11.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	1	0.006	1	9999	Si
58	0.008	0.008	0.007	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.019	1	0.019	1	9999	Si
117	0.018	0.018	0.016	0.016	0.018	0.018	0.016	0.016	0.018	0.018	0.042	1	0.041	1	9999	Si
175	0.029	0.028	0.025	0.025	0.029	0.028	0.025	0.025	0.029	0.028	0.065	1	0.064	1	9999	Si
204	0.034	0.033	0.03	0.029	0.034	0.033	0.03	0.029	0.034	0.033	0.077	1	0.076	1	9999	Si
262	0.043	0.042	0.038	0.037	0.043	0.042	0.038	0.037	0.043	0.042	0.097	1	0.096	1	9035	Si
321	0.049	0.048	0.043	0.043	0.049	0.049	0.043	0.043	0.049	0.049	0.112	1	0.111	1	7798	Si
379	0.053	0.053	0.047	0.046	0.053	0.053	0.047	0.047	0.053	0.053	0.121	1	0.12	1	7205	Si
437	0.054	0.054	0.048	0.047	0.054	0.054	0.048	0.048	0.054	0.054	0.124	1	0.123	1	7068	Si
496	0.052	0.052	0.046	0.046	0.052	0.052	0.046	0.046	0.052	0.052	0.119	1	0.119	1	7344	Si
554	0.047	0.047	0.042	0.041	0.047	0.047	0.042	0.042	0.047	0.047	0.108	1	0.107	1	8111	Si
612	0.04	0.04	0.035	0.035	0.04	0.04	0.035	0.035	0.04	0.04	0.091	1	0.091	1	9616	Si
642	0.036	0.035	0.031	0.031	0.036	0.035	0.031	0.031	0.036	0.035	0.081	1	0.081	1	9999	Si
700	0.026	0.026	0.023	0.023	0.026	0.026	0.023	0.023	0.026	0.026	0.059	1	0.059	1	9999	Si
758	0.016	0.016	0.014	0.014	0.016	0.016	0.014	0.014	0.016	0.016	0.036	2	0.036	2	9999	Si
817	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.015	2	9999	Si
852	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3180	5201	12013	SLV 9	0.57	2474	1.666	-314057	-1912300	-1872764	SLV 9	0.3	438	0.819	No
58	2897	5201	11239	SLV 9	0.57	2432	1.655	-292152	-1884421	-1872764	SLV 9	0.31	466	0.84	No
117	2438	5201	9541	SLV 9	0.49	1582	1.387	-123178	-1644046	-1543272	SLV 9	0.32	499	0.864	No
146	2208	5201	9541	SLV 9	0.5	1723	1.437	-48740	-1523920	-971252	SLV 9	0.23	229	0.628	No
175	1979	5201	9541	SLV 9	0.52	1871	1.486	18999	-1403851	-971221	SLV 9	0.26	320	0.72	No
204	1749	5201	9541	SLV 9	0.53	2027	1.536	80039	-1283860	-970824	SLV 9	0.3	442	0.822	No
262	1290	5201	9541	SLV 9	0.56	2362	1.635	182021	-1044255	-970824	SLV 9	0.4	906	1.104	Si
321	830	5201	9541	SLV 9	0.57	2474	1.666	257206	805639	1422093	SLV 7	0.52	1843	1.477	Si
379	371	5201	9541	SLV 9	0.57	2474	1.666	305594	569446	1422093	SLV 11	0.57	2474	1.666	Si
437	-88	-5201	-10922	SLV 7	0.57	2474	1.666	327186	338448	1422093	SLV 11	0.57	2474	1.666	Si
496	-548	-5201	-10922	SLV 7	0.57	2474	1.666	290128	168973	1422093	SLV 9	0.57	2474	1.666	Si
554	-1007	-5201	-9541	SLV 7	0.57	2474	1.666	231418	408264	1422093	SLV 9	0.57	2474	1.666	Si
612	-1467	-5201	-9541	SLV 7	0.55	2229	1.597	145910	-648199	-970824	SLV 7	0.57	2474	1.666	Si
642	-1696	-5201	-9541	SLV 7	0.54	2064	1.547	93108	-768289	-970824	SLV 7	0.5	1642	1.409	Si
700	-2156	-5201	-9541	SLV 7	0.51	1756	1.448	-32595	1008614	1422094	SLV 9	0.52	1830	1.473	Si
758	-2615	-5201	-11239	SLV 7	0.57	2474	1.666	-185094	1249067	1422107	SLV 9	0.46	1350	1.3	Si
817	-3074	-5201	-12021	SLV 7	0.57	2474	1.666	-364391	1489601	1422107	SLV 9	0.43	1121	1.205	Si
852	-3357	-5201	-12021	SLV 7	0.57	2474	1.666	-387492	1517494	1422107	SLV 9	0.43	1104	1.197	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3180	1827	12013	SLD 9	0.6	2474	4.193	-314057	-846221	-1872764	SLD 9	0.25	298	1.761	Si
58	2897	1827	11239	SLD 9	0.6	2474	4.193	-292152	-833884	-1872764	SLD 9	0.26	317	1.806	Si
117	2438	1827	9541	SLD 9	0.52	1829	3.705	-123178	-727514	-1543272	SLD 9	0.27	337	1.852	Si
175	1979	1827	9541	SLD 9	0.55	2163	3.968	18999	-621224	-971221	SLD 9	0.22	216	1.543	Si
204	1749	1827	9541	SLD 9	0.56	2343	4.1	80039	-568127	-970824	SLD 9	0.25	300	1.765	Si
262	1290	1827	9541	SLD 9	0.59	2474	4.193	182021	-462098	-970824	SLD 9	0.34	587	2.325	Si
321	830	1827	9541	SLD 9	0.6	2474	4.193	257206	356507	1422093	SLD 7	0.44	1151	3.064	Si
379	371	1827	10922	SLD 9	0.6	2474	4.193	305594	251989	1422093	SLD 11	0.58	2474	4.193	Si
437	-88	-1827	-10922	SLD 7	0.6	2474	4.193	327186	149769	1422093	SLD 11	0.6	2474	4.193	Si
496	-548	-1827	-10922	SLD 7	0.6	2474	4.193	290128	74774	1422093	SLD 9	0.6	2474	4.193	Si
554	-1007	-1827	-10922	SLD 7	0.6	2474	4.193	231418	180664	1422093	SLD 9	0.6	2474	4.193	Si
612	-1467	-1827	-9541	SLD 7	0.58	2474	4.193	145910	-286840	-970824	SLD 7	0.52	1835	3.71	Si
642	-1696	-1827	-9541	SLD 7	0.57	2386	4.131	93108	-339981	-970824	SLD 7	0.42	1025	2.922	Si
700	-2156	-1827	-9541	SLD 7	0.53	2030	3.866	-32595	446329	1422094	SLD 9	0.44	1144	3.056	Si
758	-2615	-1827	-11239	SLD 7	0.6	2474	4.193	-185094	552733	1422107	SLD 9	0.39	852	2.708	Si
817	-3074	-1827	-12021	SLD 7	0.6	2474	4.193	-364391	659173	1422107	SLD 9	0.37	717	2.523	Si
852	-3357	-1827	-12021	SLD 7	0.6	2474	4.193	-387492	671516	1422107	SLD 9	0.36	708	2.51	Si

Campata 2 tra i fili 49B - 36A, sezione R 45x70, asta 798

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	11.4	5.4						-630889	SLU 30	-583439	-2773209	0.105	Si
23	22.81	5.4	11.4	5.4						-538570	SLU 30	-538570	-2773209	0.105	Si
45	20.6	5.4	11.4	5.4						-450162	SLU 30	-538570	-2512633	0.1	Si
68	16.33	5.4	11.4	5.4						-367826	SLU 36	-474575	-2006469	0.092	Si
91	10.88	5.4	11.4	5.4						-290840	SLU 36	-390689	-1359943	0.083	Si
102	7.6	5.4	11.4	5.4						-254396	SLU 35	-350795	-970824	0.078	Si
125	7.6	5.4	11.4	5.4						-186928	SLU 26	-274954	-970824	0.078	Si
147	7.6	5.4	11.4	5.4						-125185	SLU 19	-205519	-970824	0.078	Si
170	7.6	5.4	15.85	5.4	-45202	SLU 12	7790	1949737	0.094	-68939	SLU 19	-142207	-971302	0.079	Si
193	7.6	5.4	11.4	5.4	-3214	SLU 12	52711	1422093	0.084	-17952	SLU 19	-84457	-970824	0.078	Si
215	13.92	5.4	11.4	5.4	40185	SLU 30	94250	1422107	0.084	22317	SLU 1	-31984	-1720441	0.088	Si
238	17.12	5.4	11.4	5.4	83210	SLU 30	130530	1422107	0.084						Si
261	19.01	5.4	11.4	5.4	120976	SLU 30	161550	1422107	0.084						Si
272	19.01	5.4	11.4	5.4	137886	SLU 30	175088	1422107	0.084						Si
295	19.01	5.4	11.4	5.4	167762	SLU 30	192530	1422107	0.084						Si
317	19.01	5.4	11.4	5.4	192530	SLU 30	192530	1422107	0.084						Si
340	19.01	5.4	11.4	5.4	211735	SLU 30	203423	1422107	0.084						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	11.4	5.4	809671	SLV 11	731497	1422107	0.084	-1772241	SLV 5	-1621918	-2773209	0.105	Si
23	22.81	5.4	11.4	5.4	650968	SLV 11	650968	1422107	0.084	-1473213	SLV 5	-1473213	-2773209	0.105	Si
45	20.6	5.4	11.4	5.4	485965	SLV 11	650968	1422107	0.084	-1173929	SLV 5	-1473213	-2512633	0.1	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
68	16.33	5.4	11.4	5.4	318276	SLV 11	532521	1422107	0.084	-881074	SLV 5	-1257558	-2006469	0.092	Si
91	10.88	5.4	11.4	5.4	146854	SLV 11	365918	1422094	0.084	-592579	SLV 5	-963504	-1359943	0.083	Si
102	7.6	5.4	11.4	5.4	59863	SLV 11	281188	1422093	0.084	-450087	SLV 5	-818083	-970824	0.078	Si
125	7.6	5.4	11.4	5.4	19626	SLV 13	253286	1422093	0.084	-304915	SLV 3	-530595	-970824	0.078	Si
147	7.6	5.4	11.4	5.4	181450	SLV 9	507460	1422093	0.084	-369895	SLV 7	-583797	-970824	0.078	Si
170	7.6	5.4	15.85	5.4	435601	SLV 9	763005	1949737	0.094	-535295	SLV 7	-760970	-971302	0.079	Si
193	7.6	5.4	11.4	5.4	690480	SLV 9	1020666	1422093	0.084	-709516	SLV 7	-948349	-970824	0.078	Si
215	13.92	5.4	11.4	5.4	947734	SLV 9	1247285	1422107	0.084	-894203	SLV 7	-1112780	-1720441	0.088	Si
238	17.12	5.4	11.4	5.4	1205739	SLV 9	1533929	1422107	0.084	-1087733	SLV 7	-1345326	-2100439	0.093	No
261	19.01	5.4	11.4	5.4	1462099	SLV 5	1786417	1422107	0.084	-1287710	SLV 11	-1551810	-2323557	0.097	No
272	19.01	5.4	11.4	5.4	1589231	SLV 5	1911345	1422107	0.084	-1389685	SLV 11	-1656770	-2323557	0.097	No
295	19.01	5.4	11.4	5.4	1840984	SLV 5	2090921	1422107	0.084	-1597193	SLV 11	-1810756	-2323557	0.097	No
317	19.01	5.4	11.4	5.4	2090921	SLV 5	2090921	1422107	0.084	-1810756	SLV 11	-1810756	-2323557	0.097	No
340	19.01	5.4	11.4	5.4	2333456	SLV 5	2213491	1422107	0.084	-2025451	SLV 11	-1917420	-2323557	0.097	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	11.4	5.4	89988	SLD 11	75505	1422107	0.084	-1052558	SLD 5	-965926	-2773209	0.105	Si
23	22.81	5.4	11.4	5.4	58873	SLD 11	58873	1422107	0.084	-881118	SLD 5	-881118	-2773209	0.105	Si
45	20.6	5.4	11.4	5.4	23286	SLD 11	58873	1422107	0.084	-711249	SLD 5	-881118	-2512633	0.1	Si
68	16.33	5.4	11.4	5.4	-16031	SLD 11	33554	1422107	0.084	-546767	SLD 5	-758591	-2006469	0.092	Si
91	10.88	5.4	11.4	5.4						-386469	SLD 5	-592941	-1359943	0.083	Si
102	7.6	5.4	11.4	5.4						-307943	SLD 5	-511672	-970824	0.078	Si
125	7.6	5.4	11.4	5.4	-70835	SLD 13	66704	1422093	0.084	-214454	SLD 3	-352310	-970824	0.078	Si
147	7.6	5.4	11.4	5.4	27768	SLD 9	203281	1422093	0.084	-216213	SLD 7	-279618	-970824	0.078	Si
170	7.6	5.4	15.85	5.4	164971	SLD 9	338209	1949737	0.094	-264666	SLD 7	-336173	-971302	0.079	Si
193	7.6	5.4	11.4	5.4	300242	SLD 9	471818	1422093	0.084	-319278	SLD 7	-399501	-970824	0.078	Si
215	13.92	5.4	11.4	5.4	434308	SLD 9	589439	1422107	0.084	-380777	SLD 7	-454933	-1720441	0.088	Si
238	17.12	5.4	11.4	5.4	566451	SLD 9	731360	1422107	0.084	-448445	SLD 7	-542757	-2100439	0.093	Si
261	19.01	5.4	11.4	5.4	695612	SLD 5	855914	1422107	0.084	-521223	SLD 11	-621307	-2323557	0.097	Si
272	19.01	5.4	11.4	5.4	758883	SLD 5	916763	1422107	0.084	-559337	SLD 11	-662188	-2323557	0.097	Si
295	19.01	5.4	11.4	5.4	882621	SLD 5	1003362	1422107	0.084	-638830	SLD 11	-723197	-2323557	0.097	Si
317	19.01	5.4	11.4	5.4	1003362	SLD 5	1003362	1422107	0.084	-723197	SLD 11	-723197	-2323557	0.097	Si
340	19.01	5.4	11.4	5.4	1118448	SLD 5	1062035	1422107	0.084	-810443	SLD 11	-765964	-2323557	0.097	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.33	0	4219	SLU 30	4219	12311	76908	0	12311	1	Si
11	0	11.95	0	4103	SLU 30	4103	11093	76908	0	11093	1	Si
23	0.144	10.88	0	3988	SLU 30	3988	10752	76908	16673	16673	1	Si
45	0.144	7.6	0	3755	SLU 30	3755	9541	76908	16673	16673	1	Si
68	0.144	7.6	0	3523	SLU 30	3523	9541	76908	16673	16673	1	Si
91	0.144	7.6	0	3290	SLU 30	3290	9541	76908	16673	16673	1	Si
102	0.136	7.6	0	3174	SLU 30	3174	9541	76908	15812	15812	1	Si
125	0.136	7.6	0	2942	SLU 30	2942	9541	76908	15812	15812	1	Si
147	0.136	11.95	0	2710	SLU 30	2710	11093	76908	15812	15812	1	Si
170	0.136	7.6	0	2478	SLU 30	2478	9541	76908	15812	15812	1	Si
193	0.136	7.6	0	2246	SLU 30	2246	9541	76908	15812	15812	1	Si
215	0.136	11.4	0	2014	SLU 30	2014	10922	76908	15812	15812	1	Si
238	0.136	11.4	0	1782	SLU 30	1782	10922	76908	15812	15812	1	Si
261	0.129	11.4	0	1550	SLU 30	1550	10922	76908	15005	15005	1	Si
272	0.129	11.4	0	1434	SLU 30	1434	10922	76908	15005	15005	1	Si
295	0.129	11.4	0	1202	SLU 30	1202	10922	76908	15005	15005	1	Si
317	0.129	11.4	0	968	SLU 30	968	10922	76908	15005	15005	1	Si
340	0	11.4	0	738	SLU 30	738	10922	76908	0	10922	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.33	0	13395	SLV 5	16044	12311	76908	0	12311	1	Si
0	0	11.4	0	-6981	SLV 11	-9630	-10922	-76908	0	-10922	1	Si
11	0	11.95	0	13306	SLV 5	15955	11093	76908	0	11093	1	Si
11	0	11.4	0	-7070	SLV 11	-9719	-10922	-76908	0	-10922	1	Si
23	0.144	10.88	0	13218	SLV 5	15867	10752	76908	16673	16673	1	Si
23	0.144	11.4	0	-7158	SLV 11	-9807	-10922	-76908	-16673	-16673	1	Si
45	0.144	7.6	0	13038	SLV 5	15687	9541	76908	16673	16673	1	Si
45	0.144	11.4	0	-7338	SLV 11	-9987	-10922	-76908	-16673	-16673	1	Si
68	0.144	7.6	0	12860	SLV 5	15509	9541	76908	16673	16673	1	Si
68	0.144	11.4	0	-7516	SLV 11	-10165	-10922	-76908	-16673	-16673	1	Si
91	0.144	7.6	0	12681	SLV 5	15330	9541	76908	16673	16673	1	Si
91	0.144	11.4	0	-7695	SLV 11	-10344	-10922	-76908	-16673	-16673	1	Si
102	0.136	7.6	0	12592	SLV 5	15241	9541	76908	15812	15812	1	Si
102	0.136	11.4	0	-7784	SLV 11	-10433	-10922	-76908	-15812	-15812	1	Si
125	0.136	7.6	0	12414	SLV 5	15063	9541	76908	15812	15812	1	Si
125	0.136	7.6	0	-7963	SLV 11	-10612	-9541	-76908	-15812	-15812	1	Si
147	0.136	11.4	0	12235	SLV 5	14884	10922	76908	15812	15812	1	Si
147	0.136	11.95	0	-8141	SLV 11	-10790	-11093	-76908	-15812	-15812	1	Si
170	0.136	11.4	0	12057	SLV 5	14706	10922	76908	15812	15812	1	Si
170	0.136	7.6	0	-8320	SLV 11	-10969	-9541	-76908	-15812	-15812	1	Si
193	0.136	11.4	0	11878	SLV 5	14527	10922	76908	15812	15812	1	Si
193	0.136	7.6	0	-8498	SLV 11	-11147	-9541	-76908	-15812	-15812	1	Si
215	0.136	11.4	0	11700	SLV 5	14349	10922	76908	15812	15812	1	Si
215	0.136	7.6	0	-8677	SLV 11	-11326	-9541	-76908	-15812	-15812	1	Si
238	0.136	11.4	0	11521	SLV 5	14170	10922	76908	15812	15812	1	Si
238	0.136	7.6	0	-8855	SLV 11	-11504	-9541	-76908	-15812	-15812	1	Si
261	0.129	11.4	0	11343	SLV 5	13992	10922	76908	15005	15005	1	Si
261	0.129	7.6	0	-9034	SLV 11	-11683	-9541	-76908	-15005	-15005	1	Si
272	0.129	11.4	0	11253	SLV 5	13902	10922	76908	15005	15005	1	Si
272	0.129	12.32	0	-9123	SLV 11	-11772	-11206	-76908	-15005	-15005	1	Si
295	0.129	11.4	0	11075	SLV 5	13724	10922	76908	15005	15005	1	Si
295	0.129	15.52	0	-9301	SLV 11	-11950	-12104	-76908	-15005	-15005	1	Si
317	0.129	11.4	0	10895	SLV 5	13544	10922	76908	15005	15005	1	Si
317	0.129	18.73	0	-9481	SLV 11	-12130	-12885	-76908	-15005	-15005	1	Si
340	0	11.4	0	10718	SLV 5	13367	10922	76908	0	10922	1	Si
340	0	19.01	0	-9658	SLV 11	-12307	-12949	-76908	0	-12949	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.33	0	7716	SLD 5	7716	12311	76908	0	12311	1	Si
0	0	11.4	0	-1301	SLD 11	-1301	-10922	-76908	0	-10922	1	Si
11	0	11.95	0	7626	SLD 5	7626	11093	76908	0	11093	1	Si
11	0	11.4	0	-1390	SLD 11	-1390	-10922	-76908	0	-10922	1	Si
23	0.144	10.88	0	7539	SLD 5	7539	10752	76908	16673	16673	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
23	0.144	11.4	0	-1478	SLD 11	-1478	-10922	-76908	-16673	-16673	1	Si
45	0.144	7.6	0	7359	SLD 5	7359	9541	76908	16673	16673	1	Si
45	0.144	11.4	0	-1658	SLD 11	-1658	-10922	-76908	-16673	-16673	1	Si
68	0.144	7.6	0	7180	SLD 5	7180	9541	76908	16673	16673	1	Si
68	0.144	7.6	0	-1837	SLD 11	-1837	-9541	-76908	-16673	-16673	1	Si
91	0.144	7.6	0	7002	SLD 5	7002	9541	76908	16673	16673	1	Si
91	0.144	7.6	0	-2015	SLD 11	-2015	-9541	-76908	-16673	-16673	1	Si
102	0.136	7.6	0	6912	SLD 5	6912	9541	76908	15812	15812	1	Si
102	0.136	7.6	0	-2104	SLD 11	-2104	-9541	-76908	-15812	-15812	1	Si
125	0.136	7.6	0	6734	SLD 5	6734	9541	76908	15812	15812	1	Si
125	0.136	7.6	0	-2283	SLD 11	-2283	-9541	-76908	-15812	-15812	1	Si
147	0.136	11.95	0	6555	SLD 5	6555	11093	76908	15812	15812	1	Si
147	0.136	11.95	0	-2461	SLD 11	-2461	-11093	-76908	-15812	-15812	1	Si
170	0.136	11.4	0	6377	SLD 5	6377	10922	76908	15812	15812	1	Si
170	0.136	7.6	0	-2640	SLD 11	-2640	-9541	-76908	-15812	-15812	1	Si
193	0.136	11.4	0	6198	SLD 5	6198	10922	76908	15812	15812	1	Si
193	0.136	7.6	0	-2818	SLD 11	-2818	-9541	-76908	-15812	-15812	1	Si
215	0.136	11.4	0	6020	SLD 5	6020	10922	76908	15812	15812	1	Si
215	0.136	7.6	0	-2997	SLD 11	-2997	-9541	-76908	-15812	-15812	1	Si
238	0.136	11.4	0	5841	SLD 5	5841	10922	76908	15812	15812	1	Si
238	0.136	7.6	0	-3175	SLD 11	-3175	-9541	-76908	-15812	-15812	1	Si
261	0.129	11.4	0	5663	SLD 5	5663	10922	76908	15005	15005	1	Si
261	0.129	7.6	0	-3354	SLD 11	-3354	-9541	-76908	-15005	-15005	1	Si
272	0.129	11.4	0	5574	SLD 5	5574	10922	76908	15005	15005	1	Si
272	0.129	12.32	0	-3443	SLD 11	-3443	-11206	-76908	-15005	-15005	1	Si
295	0.129	11.4	0	5395	SLD 5	5395	10922	76908	15005	15005	1	Si
295	0.129	15.52	0	-3622	SLD 11	-3622	-12104	-76908	-15005	-15005	1	Si
317	0.129	11.4	0	5215	SLD 5	5215	10922	76908	15005	15005	1	Si
317	0.129	18.73	0	-3802	SLD 11	-3802	-12885	-76908	-15005	-15005	1	Si
340	0	11.4	0	5038	SLD 5	5038	10922	76908	0	10922	1	Si
340	0	19.01	0	-3979	SLD 11	-3979	-12949	-76908	0	-12949	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-483622	3	-447298	12.2	124.5	341	1837	-481285	2	-445211	12.1	93.4	0	+∞	Si
23	-412960	3	-412960	11.3	124.5	314.8	1837	-411122	2	-411122	11.2	93.4	0	+∞	Si
45	-345311	3	-412960	11.6	124.5	346.9	1837	-343982	2	-411122	11.6	93.4	0	+∞	Si
68	-282317	9	-363991	11.1	124.5	382.1	1837	-281399	2	-362519	11	93.4	0	+∞	Si
91	-223429	9	-299810	10.5	124.5	465.7	1837	-222863	2	-298793	10.5	93.4	0	+∞	Si
102	-195553	8	-269289	6.1	124.5	93.4	1837	-195156	1	-268448	10.8	93.4	0	+∞	Si
125	-143521	8	-211280	4.7	124.5	73.3	1837	-143363	1	-210791	8.5	93.4	0	+∞	Si
147	-95616	1	-157934	3.6	124.5	54.8	1837	-95616	1	-157709	6.3	93.4	0	+∞	Si
170	-51916	1	-108831	2.3	124.5	37	1837	-51916	1	-108819	4.1	93.4	0	+∞	Si
193	-12261	1	-63975	1.4	124.5	22.2	1837	-12261	1	-63975	2.6	93.4	0	+∞	Si
215	29215	3	70349	2.3	124.5	104.2	1837	26766	2	67253	2.2	93.4	0	+∞	Si
238	61957	3	97901	3.1	124.5	144.8	1837	59003	2	94301	3	93.4	0	+∞	Si
261	90652	3	121408	3.8	124.5	179.4	1837	87194	2	117304	3.7	93.4	0	+∞	Si
272	103483	3	131644	4.1	124.5	194.6	1837	99773	2	127288	4	93.4	0	+∞	Si
295	126109	3	144804	4.5	124.5	214	1837	121895	2	140083	4.4	93.4	0	+∞	Si
317	144804	3	144804	4.5	124.5	214	1837	140083	2	140083	4.4	93.4	0	+∞	Si
340	159224	3	153007	4.8	124.5	226.1	1837	154002	2	148035	4.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
45	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
68	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	2	-0.008	2	9999	Si
91	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.008	2	-0.008	2	9999	Si
102	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.008	2	-0.008	2	9999	Si
125	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	2	-0.008	2	9999	Si
147	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
170	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	2	-0.006	2	9999	Si
193	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
215	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.004	2	-0.004	2	9999	Si
238	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
261	0	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
272	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
295	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
317	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3030	12837	16673	SLV 5	0.39	825	1.062	-411122	1062090	1422107	SLV 11	0.57	2474	1.666	Si
45	2850	12837	16673	SLV 5	0.39	852	1.076	-411122	1062090	1422107	SLV 11	0.57	2474	1.666	Si
68	2672	12837	16673	SLV 5	0.4	879	1.09	-362519	-895039	-2006469	SLV 5	0.57	2474	1.666	Si
91	2493	12837	16673	SLV 5	0.4	907	1.104	-298793	-664711	-1359943	SLV 5	0.57	2402	1.646	Si
102	2404	12837	15812	SLV 5	0.38	791	1.044	-268448	-549636	-970824	SLV 5	0.46	1326	1.29	Si
125	2225	12837	15812	SLV 5	0.38	817	1.058	-210791	-319804	-970824	SLV 5	0.57	2474	1.666	Si
147	2047	12837	15812	SLV 5	0.39	844	1.072	-38169	-545629	-970824	SLV 7	0.57	2474	1.666	Si
170	1868	12837	15812	SLV 5	0.39	870	1.086	1018	-761987	-971302	SLV 7	0.46	1321	1.288	Si
193	1690	12837	15812	SLV 5	0.4	898	1.1	36158	-984508	-970824	SLV 7	0.37	752	1.023	Si
215	1511	12837	15812	SLV 5	0.4	926	1.114	67253	1180033	1422107	SLV 5	0.42	999	1.149	Si
238	1333	12837	15812	SLV 5	0.41	954	1.127	94301	1439627	1422107	SLV 5	0.34	585	0.923	No
261	1154	12837	15005	SLV 5	0.39	856	1.078	117304	1669113	1422107	SLV 5	0.29	400	0.789	No
272	1065	12837	15005	SLV 5	0.39	870	1.086	127288	1784057	1422107	SLV 5	0.27	340	0.739	No
295	887	12837	15005	SLV 5	0.4	897	1.099	140083	1950839	1422107	SLV 5	0.24	274	0.676	No
317	707	12837	15005	SLV 5	0.4	926	1.114	140083	1950839	1422107	SLV 5	0.24	274	0.676	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3030	4508	16673	SLD 5	0.41	939	2.818	-411122	469996	1422107	SLD 11	0.52	1844	3.717	Si
45	2850	4508	16673	SLD 5	0.41	970	2.856	-411122	469996	1422107	SLD 11	0.52	1844	3.717	Si
68	2672	4508	16673	SLD 5	0.42	1003	2.896	-362519	-396072	-2006469	SLD 5	0.55	2178	3.98	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
91	2493	4508	16673	SLD 5	0.42	1039	2.938	-298793	-294148	-1359943	SLD 5	0.48	1496	3.412	Si
102	2404	4508	15812	SLD 5	0.4	900	2.77	-268448	-243224	-970824	SLD 5	0.39	838	2.69	Si
125	2225	4508	15812	SLD 5	0.4	930	2.807	-210791	-141519	-970824	SLD 5	0.6	2474	4.193	Si
147	2047	4508	15812	SLD 5	0.41	960	2.844	-38169	-241449	-970824	SLD 7	0.51	1796	3.677	Si
170	1868	4508	15812	SLD 5	0.41	993	2.884	1018	-337191	-971302	SLD 7	0.39	835	2.686	Si
193	1690	4508	15812	SLD 5	0.42	1027	2.924	36158	-435659	-970824	SLD 7	0.31	489	2.157	Si
215	1511	4508	15812	SLD 5	0.42	1063	2.966	67253	522186	1422107	SLD 5	0.35	645	2.416	Si
238	1333	4508	15812	SLD 5	0.43	1099	3.006	94301	637059	1422107	SLD 5	0.28	389	1.964	Si
261	1154	4508	15005	SLD 5	0.41	974	2.861	117304	738611	1422107	SLD 5	0.24	272	1.696	Si
272	1065	4508	15005	SLD 5	0.41	992	2.883	127288	789476	1422107	SLD 5	0.23	230	1.583	Si
295	887	4508	15005	SLD 5	0.42	1026	2.923	140083	863280	1422107	SLD 5	0.21	186	1.451	Si
317	707	4508	15005	SLD 5	0.42	1063	2.966	140083	863280	1422107	SLD 5	0.21	186	1.451	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 64-66

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 64 - 65, sezione R 45x70, asta 789

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4						-1305478	SLU 30	-1189923	-1422094	0.084	Si
23	11.4	5.4	11.4	5.4						-1088520	SLU 30	-1088520	-1422094	0.084	Si
45	11.4	5.4	11.4	5.4						-897286	SLU 30	-1088520	-1422094	0.084	Si
68	11.4	5.4	11.4	5.4						-736438	SLU 30	-948834	-1422094	0.084	Si
91	11.4	5.4	11.4	5.4						-604422	SLU 30	-779842	-1422094	0.084	Si
102	11.4	5.4	11.4	5.4						-549226	SLU 30	-706157	-1422094	0.084	Si
125	11.4	5.4	11.4	5.4						-460458	SLU 30	-580412	-1422094	0.084	Si
147	11.4	5.4	11.4	5.4						-400522	SLU 30	-483499	-1422094	0.084	Si
170	11.4	5.4	11.4	5.4						-369418	SLU 30	-415418	-1422094	0.084	Si
193	11.4	5.4	11.4	5.4						-367347	SLU 29	-408518	-1422094	0.084	Si
215	11.4	5.4	11.4	5.4						-394686	SLU 29	-472834	-1422094	0.084	Si
238	11.4	5.4	11.4	5.4						-450857	SLU 29	-565982	-1422094	0.084	Si
261	11.4	5.4	11.4	5.4						-535860	SLU 29	-687962	-1422094	0.084	Si
272	14.72	5.4	11.4	5.4						-589173	SLU 29	-759764	-1815211	0.089	Si
295	16.85	5.4	11.4	5.4						-717424	SLU 29	-875821	-2068558	0.093	Si
317	19.01	5.4	11.4	5.4						-875821	SLU 29	-875821	-2323557	0.097	Si
340	19.01	5.4	11.4	5.4						-1060422	SLU 29	-961046	-2323557	0.097	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	2554710	SLV 15	2433848	1422094	0.084	-4411800	SLV 1	-4128578	-1422094	0.084	No
23	11.4	5.4	11.4	5.4	2303402	SLV 15	2303402	1422094	0.084	-3854741	SLV 1	-3854741	-1422094	0.084	No
45	11.4	5.4	11.4	5.4	2029008	SLV 15	2303402	1422094	0.084	-3308853	SLV 1	-3854741	-1422094	0.084	No
68	11.4	5.4	11.4	5.4	1737238	SLV 15	2107351	1422094	0.084	-2786425	SLV 1	-3460543	-1422094	0.084	No
91	11.4	5.4	11.4	5.4	1426224	SLV 15	1821023	1422094	0.084	-2283397	SLV 1	-2932642	-1422094	0.084	No
102	11.4	5.4	11.4	5.4	1263519	SLV 15	1670637	1422094	0.084	-2039177	SLV 1	-2675960	-1422094	0.084	No
125	11.4	5.4	11.4	5.4	923793	SLV 15	1355448	1422094	0.084	-1565402	SLV 1	-2177161	-1422094	0.084	No
147	11.4	5.4	11.4	5.4	565259	SLV 15	1021109	1422094	0.084	-1111463	SLV 1	-1697858	-1422094	0.084	No
170	11.4	5.4	11.4	5.4	189374	SLV 15	667852	1422094	0.084	-678815	SLV 1	-1238278	-1422094	0.084	Si
193	11.4	5.4	11.4	5.4	-161156	SLV 15	296654	1422094	0.084	-310166	SLV 1	-799401	-1422094	0.084	Si
215	11.4	5.4	11.4	5.4	147412	SLV 1	623948	1422094	0.084	-639259	SLV 15	-1199866	-1422094	0.084	Si
238	11.4	5.4	11.4	5.4	521721	SLV 1	975950	1422094	0.084	-1072736	SLV 15	-1660596	-1422094	0.084	No
261	11.4	5.4	11.4	5.4	878982	SLV 1	1309066	1422094	0.084	-1527809	SLV 15	-2141083	-1422094	0.084	No
272	14.72	5.4	11.4	5.4	1050607	SLV 1	1468454	1422107	0.084	-1762831	SLV 15	-2388649	-1815211	0.089	No
295	16.85	5.4	11.4	5.4	1379578	SLV 1	1691552	1422107	0.084	-2247578	SLV 15	-2755615	-2068558	0.093	No
317	19.01	5.4	11.4	5.4	1691552	SLV 1	1691552	1422107	0.084	-2755615	SLV 15	-2755615	-2323557	0.097	No
340	19.01	5.4	11.4	5.4	1979943	SLV 1	1840580	1422107	0.084	-3275427	SLV 15	-3010870	-2323557	0.097	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	612929	SLD 15	604697	1422094	0.084	-2470019	SLD 1	-2299427	-1422094	0.084	No
23	11.4	5.4	11.4	5.4	586937	SLD 15	586937	1422094	0.084	-2138276	SLD 1	-2138276	-1422094	0.084	No
45	11.4	5.4	11.4	5.4	541181	SLD 15	586937	1422094	0.084	-1821026	SLD 1	-2138276	-1422094	0.084	No
68	11.4	5.4	11.4	5.4	476352	SLD 15	555406	1422094	0.084	-1525540	SLD 1	-1908599	-1422094	0.084	No
91	11.4	5.4	11.4	5.4	392237	SLD 15	496029	1422094	0.084	-1249410	SLD 1	-1607648	-1422094	0.084	No
102	11.4	5.4	11.4	5.4	342954	SLD 15	459105	1422094	0.084	-1118612	SLD 1	-1464428	-1422094	0.084	No
125	11.4	5.4	11.4	5.4	229975	SLD 15	370799	1422094	0.084	-871584	SLD 1	-1192513	-1422094	0.084	Si
147	11.4	5.4	11.4	5.4	97902	SLD 15	263247	1422094	0.084	-644105	SLD 1	-939995	-1422094	0.084	Si
170	11.4	5.4	11.4	5.4	-52623	SLD 15	136552	1422094	0.084	-436818	SLD 1	-706978	-1422094	0.084	Si
193	11.4	5.4	11.4	5.4						-268606	SLD 1	-493892	-1422094	0.084	Si
215	11.4	5.4	11.4	5.4	-71860	SLD 1	115595	1422094	0.084	-419987	SLD 15	-691513	-1422094	0.084	Si
238	11.4	5.4	11.4	5.4	77296	SLD 1	241064	1422094	0.084	-628312	SLD 15	-925711	-1422094	0.084	Si
261	11.4	5.4	11.4	5.4	208136	SLD 1	347404	1422094	0.084	-856963	SLD 15	-1179422	-1422094	0.084	Si
272	14.72	5.4	11.4	5.4	266416	SLD 1	393362	1422107	0.084	-978640	SLD 15	-1313557	-1815211	0.089	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
295	16.85	5.4	11.4	5.4	368579	SLD 1	451992	1422107	0.084	-1236580	SLD 15	-1516055	-2068558	0.093	Si
317	19.01	5.4	11.4	5.4	451992	SLD 1	451992	1422107	0.084	-1516055	SLD 15	-1516055	-2323557	0.097	Si
340	19.01	5.4	11.4	5.4	515112	SLD 1	488334	1422107	0.084	-1810596	SLD 15	-1658624	-2323557	0.097	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	10275	SLU 30	10275	10922	76908	0	10922	1	Si
23	0.259	11.4	0	9014	SLU 30	9014	10922	76908	30011	30011	1	Si
45	0.259	11.4	0	7732	SLU 30	7732	10922	76908	30011	30011	1	Si
68	0.259	11.4	0	6460	SLU 30	6460	10922	76908	30011	30011	1	Si
91	0.259	11.4	0	5263	SLU 36	5263	10922	76908	30011	30011	1	Si
102	0.233	11.4	0	4669	SLU 36	4669	10922	76908	27107	27107	1	Si
125	0.233	11.4	0	3569	SLU 35	3569	10922	76908	27107	27107	1	Si
147	0.233	11.4	0	2624	SLU 26	2624	10922	76908	27107	27107	1	Si
170	0.233	11.4	0	1735	SLU 26	1735	10922	76908	27107	27107	1	Si
193	0.233	11.4	0	847	SLU 26	847	10922	76908	27107	27107	1	Si
193	0.233	11.4	0	-788	SLU 11	-788	-10922	-76908	-27107	-27107	1	Si
215	0.233	11.4	0	-1882	SLU 11	-1882	-10922	-76908	-27107	-27107	1	Si
238	0.233	11.4	0	-3114	SLU 29	-3114	-10922	-76908	-27107	-27107	1	Si
261	0.244	11.4	0	-4386	SLU 29	-4386	-10922	-76908	-28344	-28344	1	Si
272	0.244	11.4	0	-5022	SLU 29	-5022	-10922	-76908	-28344	-28344	1	Si
295	0.244	11.4	0	-6294	SLU 29	-6294	-10922	-76908	-28344	-28344	1	Si
317	0.244	11.4	0	-7575	SLU 29	-7575	-10922	-76908	-28344	-28344	1	Si
340	0	14.72	0	-8838	SLU 29	-8838	-11891	-76908	0	-11891	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	25187	SLV 1	29858	10922	76908	0	10922	1	Si
0	0	11.4	0	-10750	SLV 15	-15422	-10922	-76908	0	-10922	1	Si
23	0.259	11.4	0	24341	SLV 1	29013	10922	76908	30011	30011	1	Si
23	0.259	11.4	0	-11595	SLV 15	-16267	-10922	-76908	-30011	-30011	1	Si
45	0.259	11.4	0	23482	SLV 1	28154	10922	76908	30011	30011	1	Si
45	0.259	11.4	0	-12454	SLV 15	-17126	-10922	-76908	-30011	-30011	1	Si
68	0.259	11.4	0	22630	SLV 1	27302	10922	76908	30011	30011	1	Si
68	0.259	11.4	0	-13306	SLV 15	-17978	-10922	-76908	-30011	-30011	1	Si
91	0.259	11.4	0	21778	SLV 1	26449	10922	76908	30011	30011	1	Si
91	0.259	11.4	0	-14159	SLV 15	-18830	-10922	-76908	-30011	-30011	1	Si
102	0.233	11.4	0	21351	SLV 1	26023	10922	76908	27107	27107	1	Si
102	0.233	11.4	0	-14585	SLV 15	-19257	-10922	-76908	-27107	-27107	1	Si
125	0.233	11.4	0	20499	SLV 1	25171	10922	76908	27107	27107	1	Si
125	0.233	11.4	0	-15437	SLV 15	-20109	-10922	-76908	-27107	-27107	1	Si
147	0.233	11.4	0	19646	SLV 1	24318	10922	76908	27107	27107	1	Si
147	0.233	11.4	0	-16290	SLV 15	-20962	-10922	-76908	-27107	-27107	1	Si
170	0.233	11.4	0	18794	SLV 1	23466	10922	76908	27107	27107	1	Si
170	0.233	11.4	0	-17142	SLV 15	-21814	-10922	-76908	-27107	-27107	1	Si
193	0.233	11.4	0	17942	SLV 1	22613	10922	76908	27107	27107	1	Si
193	0.233	11.4	0	-17995	SLV 15	-22666	-10922	-76908	-27107	-27107	1	Si
215	0.233	11.4	0	17089	SLV 1	21761	10922	76908	27107	27107	1	Si
215	0.233	11.4	0	-18847	SLV 15	-23519	-10922	-76908	-27107	-27107	1	Si
238	0.233	11.4	0	16237	SLV 1	20908	10922	76908	27107	27107	1	Si
238	0.233	11.4	0	-19700	SLV 15	-24371	-10922	-76908	-27107	-27107	1	Si
261	0.244	11.4	0	15384	SLV 1	20056	10922	76908	28344	28344	1	Si
261	0.244	11.4	0	-20552	SLV 15	-25224	-10922	-76908	-28344	-28344	1	Si
272	0.244	11.4	0	14958	SLV 1	19630	10922	76908	28344	28344	1	Si
272	0.244	11.4	0	-20978	SLV 15	-25650	-10922	-76908	-28344	-28344	1	Si
295	0.244	11.4	0	14106	SLV 1	18777	10922	76908	28344	28344	1	Si
295	0.244	11.4	0	-21831	SLV 15	-26502	-10922	-76908	-28344	-28344	1	Si
317	0.244	11.4	0	13247	SLV 1	17919	10922	76908	28344	28344	1	Si
317	0.244	11.4	0	-22689	SLV 15	-27361	-10922	-76908	-28344	-28344	1	Si
340	0	11.4	0	12401	SLV 1	17073	10922	76908	0	10922	1	Si
340	0	14.72	0	-23535	SLV 15	-28207	-11891	-76908	0	-11891	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	15170	SLD 1	15170	10922	76908	0	10922	1	Si
0	0	11.4	0	-733	SLD 15	-733	-10922	-76908	0	-10922	1	Si
23	0.259	11.4	0	14325	SLD 1	14325	10922	76908	30011	30011	1	Si
23	0.259	11.4	0	-1579	SLD 15	-1579	-10922	-76908	-30011	-30011	1	Si
45	0.259	11.4	0	13466	SLD 1	13466	10922	76908	30011	30011	1	Si
45	0.259	11.4	0	-2437	SLD 15	-2437	-10922	-76908	-30011	-30011	1	Si
68	0.259	11.4	0	12613	SLD 1	12613	10922	76908	30011	30011	1	Si
68	0.259	11.4	0	-3290	SLD 15	-3290	-10922	-76908	-30011	-30011	1	Si
91	0.259	11.4	0	11761	SLD 1	11761	10922	76908	30011	30011	1	Si
91	0.259	11.4	0	-4142	SLD 15	-4142	-10922	-76908	-30011	-30011	1	Si
102	0.233	11.4	0	11335	SLD 1	11335	10922	76908	27107	27107	1	Si
102	0.233	11.4	0	-4568	SLD 15	-4568	-10922	-76908	-27107	-27107	1	Si
125	0.233	11.4	0	10482	SLD 1	10482	10922	76908	27107	27107	1	Si
125	0.233	11.4	0	-5421	SLD 15	-5421	-10922	-76908	-27107	-27107	1	Si
147	0.233	11.4	0	9630	SLD 1	9630	10922	76908	27107	27107	1	Si
147	0.233	11.4	0	-6273	SLD 15	-6273	-10922	-76908	-27107	-27107	1	Si
170	0.233	11.4	0	8778	SLD 1	8778	10922	76908	27107	27107	1	Si
170	0.233	11.4	0	-7126	SLD 15	-7126	-10922	-76908	-27107	-27107	1	Si
193	0.233	11.4	0	7925	SLD 1	7925	10922	76908	27107	27107	1	Si
193	0.233	11.4	0	-7978	SLD 15	-7978	-10922	-76908	-27107	-27107	1	Si
215	0.233	11.4	0	7073	SLD 1	7073	10922	76908	27107	27107	1	Si
215	0.233	11.4	0	-8831	SLD 15	-8831	-10922	-76908	-27107	-27107	1	Si
238	0.233	11.4	0	6220	SLD 1	6220	10922	76908	27107	27107	1	Si
238	0.233	11.4	0	-9683	SLD 15	-9683	-10922	-76908	-27107	-27107	1	Si
261	0.244	11.4	0	5368	SLD 1	5368	10922	76908	28344	28344	1	Si
261	0.244	11.4	0	-10535	SLD 15	-10535	-10922	-76908	-28344	-28344	1	Si
272	0.244	11.4	0	4942	SLD 1	4942	10922	76908	28344	28344	1	Si
272	0.244	11.4	0	-10962	SLD 15	-10962	-10922	-76908	-28344	-28344	1	Si
295	0.244	11.4	0	4089	SLD 1	4089	10922	76908	28344	28344	1	Si
295	0.244	11.4	0	-11814	SLD 15	-11814	-10922	-76908	-28344	-28344	1	Si
317	0.244	11.4	0	3230	SLD 1	3230	10922	76908	28344	28344	1	Si
317	0.244	11.4	0	-12673	SLD 15	-12673	-10922	-76908	-28344	-28344	1	Si
340	0	11.4	0	2384	SLD 1	2384	10922	76908	0	10922	1	Si
340	0	14.72	0	-13519	SLD 15	-13519	-11891	-76908	0	-11891	1	Si

Verifiche delle tensioni in esercizio

x	Rara	Quasi permanente	Verifica

	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-972299	3	-886634	30.6	124.5	1316.1	1837	-928545	2	-847365	29.2	93.4	0	+∞	Si
23	-811281	3	-811281	28	124.5	1204.2	1837	-775669	2	-775669	26.7	93.4	0	+∞	Si
45	-668965	3	-811281	28	124.5	1204.2	1837	-639922	2	-775669	26.7	93.4	0	+∞	Si
68	-548812	3	-707359	24.4	124.5	1050	1837	-524594	2	-676596	23.3	93.4	0	+∞	Si
91	-449669	3	-581271	20	124.5	862.8	1837	-428587	2	-555809	19.2	93.4	0	+∞	Si
102	-407976	3	-526106	18.1	124.5	780.9	1837	-387829	2	-502661	17.3	93.4	0	+∞	Si
125	-340348	3	-431533	14.9	124.5	640.5	1837	-320804	2	-410857	14.2	93.4	0	+∞	Si
147	-293730	3	-357969	12.3	124.5	531.3	1837	-273102	2	-338374	11.7	93.4	0	+∞	Si
170	-268121	3	-305416	10.5	124.5	453.3	1837	-244721	2	-285213	9.8	93.4	0	+∞	Si
193	-263656	2	-289820	10	124.5	430.2	1837	-235661	2	-252916	8.7	93.4	0	+∞	Si
215	-280586	2	-333695	11.5	124.5	495.3	1837	-245924	2	-287959	9.9	93.4	0	+∞	Si
238	-318526	2	-398581	13.7	124.5	591.6	1837	-275508	2	-342323	11.8	93.4	0	+∞	Si
261	-377476	2	-484475	16.7	124.5	719.1	1837	-324413	2	-416009	14.3	93.4	0	+∞	Si
272	-414829	2	-535302	16.9	124.5	621.1	1837	-356112	2	-460098	14.5	93.4	0	+∞	Si
295	-505294	2	-617704	18.6	124.5	629.1	1837	-434000	2	-532032	16	93.4	0	+∞	Si
317	-617704	2	-617704	17.9	124.5	560.6	1837	-532032	2	-532032	15.4	93.4	0	+∞	Si
340	-749252	2	-678322	19.6	124.5	615.6	1837	-647742	2	-585145	16.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
45	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.015	1	-0.017	1	9999	Si
68	-0.008	-0.01	-0.008	-0.01	-0.008	-0.009	-0.008	-0.009	-0.008	-0.009	-0.02	1	-0.022	1	9999	Si
91	-0.009	-0.011	-0.009	-0.011	-0.009	-0.011	-0.009	-0.01	-0.009	-0.01	-0.023	1	-0.026	1	9999	Si
102	-0.01	-0.012	-0.01	-0.012	-0.01	-0.011	-0.01	-0.011	-0.01	-0.011	-0.024	1	-0.027	1	9999	Si
125	-0.01	-0.012	-0.01	-0.012	-0.01	-0.012	-0.01	-0.012	-0.01	-0.011	-0.025	1	-0.029	1	9999	Si
147	-0.01	-0.013	-0.01	-0.013	-0.01	-0.012	-0.01	-0.012	-0.01	-0.012	-0.026	1	-0.029	1	9999	Si
159	-0.01	-0.013	-0.01	-0.013	-0.01	-0.012	-0.01	-0.012	-0.01	-0.012	-0.025	1	-0.029	1	9999	Si
170	-0.01	-0.013	-0.01	-0.013	-0.01	-0.012	-0.01	-0.012	-0.01	-0.012	-0.025	1	-0.029	1	9999	Si
193	-0.009	-0.012	-0.01	-0.012	-0.01	-0.011	-0.01	-0.012	-0.01	-0.011	-0.024	1	-0.028	1	9999	Si
215	-0.009	-0.012	-0.009	-0.012	-0.009	-0.011	-0.009	-0.011	-0.009	-0.011	-0.022	1	-0.027	1	9999	Si
238	-0.008	-0.011	-0.008	-0.011	-0.008	-0.01	-0.008	-0.01	-0.008	-0.01	-0.02	1	-0.024	1	9999	Si
261	-0.007	-0.009	-0.007	-0.009	-0.007	-0.009	-0.007	-0.009	-0.007	-0.008	-0.017	1	-0.021	1	9999	Si
272	-0.006	-0.008	-0.006	-0.008	-0.006	-0.008	-0.006	-0.008	-0.006	-0.008	-0.015	1	-0.019	1	9999	Si
295	-0.004	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.011	1	-0.014	1	9999	Si
317	-0.002	-0.004	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.008	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	6373	22640	30011	SLV 1	0.38	790	1.044	-775669	-3079071	-1422094	SLV 1	0.08	27	0.261	No
45	5514	22640	30011	SLV 1	0.39	862	1.082	-775669	-3079071	-1422094	SLV 1	0.08	27	0.261	No
68	4662	22640	30011	SLV 1	0.41	937	1.119	-676596	-2783947	-1422094	SLV 1	0.1	44	0.319	No
91	3809	22640	30011	SLV 1	0.42	1020	1.159	-555809	-2376833	-1422094	SLV 1	0.14	81	0.41	No
102	3383	22640	27107	SLV 1	0.38	797	1.047	-502661	-2173299	-1422094	SLV 1	0.16	108	0.462	No
125	2531	22640	27107	SLV 1	0.39	869	1.085	-410857	-1766305	-1422094	SLV 1	0.21	203	0.598	No
147	1678	22640	27107	SLV 1	0.41	945	1.123	-338374	-1359484	-1422094	SLV 1	0.29	417	0.803	No
170	826	22640	27107	SLV 1	0.42	1028	1.163	-285213	-953065	-1422094	SLV 1	0.43	1105	1.197	Si
193	-27	-22640	-27107	SLV 15	0.43	1113	1.201	-251374	-548027	-1422094	SLV 1	0.57	2474	1.666	Si
215	-879	-22640	-27107	SLV 15	0.42	1022	1.16	-287959	-911907	-1422094	SLV 15	0.45	1234	1.253	Si
238	-1731	-22640	-27107	SLV 15	0.41	940	1.121	-342323	-1318273	-1422094	SLV 15	0.3	443	0.823	No
261	-2584	-22640	-28344	SLV 15	0.41	975	1.138	-416009	-1725074	-1422094	SLV 15	0.22	211	0.607	No
272	-3010	-22640	-28344	SLV 15	0.41	936	1.119	-460098	-1928551	-1815211	SLV 15	0.26	317	0.718	No
295	-3862	-22640	-28344	SLV 15	0.39	861	1.081	-532032	-2223583	-2068558	SLV 15	0.26	305	0.706	No
317	-4721	-22640	-28344	SLV 15	0.38	789	1.043	-532032	-2223583	-2323557	SLV 15	0.3	427	0.811	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	6373	7952	30011	SLD 1	0.4	899	2.769	-775669	-1362607	-1422094	SLD 1	0.06	18	0.557	No
45	5514	7952	30011	SLD 1	0.41	982	2.871	-775669	-1362607	-1422094	SLD 1	0.06	18	0.557	No
68	4662	7952	30011	SLD 1	0.43	1077	2.981	-676596	-1232003	-1422094	SLD 1	0.08	30	0.687	No
91	3809	7952	30011	SLD 1	0.44	1177	3.092	-555809	-1051839	-1422094	SLD 1	0.12	57	0.894	No
102	3383	7952	27107	SLD 1	0.4	907	2.779	-502661	-961767	-1422094	SLD 1	0.13	76	1.005	No
125	2531	7952	27107	SLD 1	0.41	991	2.881	-410857	-781656	-1422094	SLD 1	0.18	139	1.288	Si
147	1678	7952	27107	SLD 1	0.43	1087	2.993	-338374	-601621	-1422094	SLD 1	0.25	283	1.724	Si
170	826	7952	27107	SLD 1	0.44	1187	3.103	-285213	-421765	-1422094	SLD 1	0.36	708	2.51	Si
193	-27	-7952	-27107	SLD 15	0.45	1285	3.205	-251374	-242518	-1422094	SLD 1	0.6	2474	4.193	Si
215	-879	-7952	-27107	SLD 15	0.44	1180	3.095	-287959	-403554	-1422094	SLD 15	0.38	784	2.618	Si
238	-1731	-7952	-27107	SLD 15	0.43	1081	2.986	-342323	-583388	-1422094	SLD 15	0.25	300	1.765	Si
261	-2584	-7952	-28344	SLD 15	0.43	1125	3.035	-416009	-763413	-1422094	SLD 15	0.18	144	1.307	Si
272	-3010	-7952	-28344	SLD 15	0.43	1076	2.98	-460098	-853460	-1815211	SLD 15	0.22	215	1.54	Si
295	-3862	-7952	-28344	SLD 15	0.41	980	2.868	-532032	-984023	-2068558	SLD 15	0.22	207	1.516	Si
317	-4721	-7952	-28344	SLD 15	0.4	898	2.767	-532032	-984023	-2323557	SLD 15	0.25	290	1.741	Si

Campata 2 tra i fili 65 - 66, sezione R 45x70, asta 790

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-2640800	SLU 29	-2377800	-2323557	0.097	No
23	19.01	5.4	11.4	5.4						-2127007	SLU 29	-2127007	-2323557	0.097	Si
51	14.93	5.4	11.4	5.4						-1505559	SLU 29	-2127007	-1840356	0.089	No
77	7.6	5.4	11.4	5.4						-993393	SLU 29	-1578373	-970824	0.078	No
103	7.6	5.4	11.4	5.4	-243523	SLU 8	36923	1422093	0.084	-518196	SLU 29	-1061305	-970824	0.078	No
154	7.6	5.4	11.4	5.4	322116	SLU 30	729604	1422093	0.084	211758	SLU 1	-138075	-970824	0.078	Si
205	7.6	5.4	11.4	5.4	1013367	SLU 30	1337113	1422093	0.084						Si
231	7.6	5.4	11.4	5.4	1303539	SLU 30	1585413	1422093	0.084						No
282	7.6	5.4	11.4	5.4	1773054	SLU 29	1971391	1422093	0.084						No
334	7.6	5.4	11.4	5.4	2094975	SLU 29	2209570	1422093	0.084						No
385	7.6	5.4	11.4	5.4	2269020	SLU 29	2300590	1422093	0.084						No
436	7.6	5.4	11.4	5.4	2295190	SLU 29	2300590	1422093	0.084						No
488	7.6	5.4	11.4	5.4	2173483	SLU 29	2258439	1422093	0.084						No
539	7.6	5.4	11.4	5.4	1903900	SLU 29	2072598	1422093	0.084						No
590	7.6	5.4	11.4	5.4	1486440	SLU 29	1738881	1422093	0.084						No
616	7.6	5.4	11.4	5.4	1222257	SLU 29	1516568	1422093	0.084						No
667	21.43	5.4	11.4	5.4	582984	SLU 29	961037	1422107	0.084						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
719	22.81	5.4	11.4	5.4	-133980	SLU 1	257630	1422107	0.084	-215079	SLU 36	-624436	-2773209	0.105	Si
742	22.81	5.4	11.4	5.4						-624436	SLU 30	-624436	-2773209	0.105	Si
770	22.81	5.4	11.4	5.4						-1142464	SLU 30	-873572	-2773209	0.105	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-3344313	SLV 1	-3120148	-2323557	0.097	No
23	19.01	5.4	11.4	5.4	94850	SLV 15	387504	1422107	0.084	-2903619	SLV 1	-2903619	-2323557	0.097	No
51	14.93	5.4	11.4	5.4	385372	SLV 15	644028	1422107	0.084	-2363751	SLV 1	-2903619	-1840356	0.089	No
77	7.6	5.4	11.4	5.4	616628	SLV 15	847413	1422093	0.084	-1910808	SLV 1	-2427112	-970824	0.078	No
103	7.6	5.4	11.4	5.4	823270	SLV 15	1026245	1422093	0.084	-1482800	SLV 1	-1970867	-970824	0.078	No
154	7.6	5.4	11.4	5.4	1162938	SLV 15	1310601	1422093	0.084	-701816	SLV 1	-1133218	-970824	0.078	No
205	7.6	5.4	11.4	5.4	1405153	SLV 15	1498432	1422093	0.084	-21577	SLV 1	-395803	-970824	0.078	No
231	7.6	5.4	11.4	5.4	1490248	SLV 15	1557194	1422093	0.084	280230	SLV 1	-64995	-970824	0.078	No
282	7.6	5.4	11.4	5.4	1591386	SLV 15	1611952	1422093	0.084						No
334	7.6	5.4	11.4	5.4	1618066	SLV 15	1635776	1422093	0.084						No
385	7.6	5.4	11.4	5.4	1701658	SLV 3	1809628	1422093	0.084						No
436	7.6	5.4	11.4	5.4	1888542	SLV 3	1968887	1422093	0.084						No
488	7.6	5.4	11.4	5.4	2013948	SLV 3	2043533	1422093	0.084						No
539	7.6	5.4	11.4	5.4	2047999	SLV 3	2047999	1422093	0.084						No
590	7.6	5.4	11.4	5.4	1985721	SLV 3	2031542	1422093	0.084	-1299	SLV 13	-331452	-970824	0.078	No
616	7.6	5.4	11.4	5.4	1917955	SLV 3	1991463	1422093	0.084	-289872	SLV 13	-648337	-970824	0.078	No
667	21.43	5.4	11.4	5.4	1708731	SLV 3	1837884	1422107	0.084	-941975	SLV 13	-1356899	-2610142	0.102	No
719	22.81	5.4	11.4	5.4	1400955	SLV 3	1585947	1422107	0.084	-1693724	SLV 13	-2077387	-2773209	0.105	No
742	22.81	5.4	11.4	5.4	1223680	SLV 3	1434869	1422107	0.084	-2077387	SLV 13	-2077387	-2773209	0.105	No
770	22.81	5.4	11.4	5.4	994579	SLV 3	994579	1422107	0.084	-2544765	SLV 13	-2301569	-2773209	0.105	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-2454242	SLD 1	-2257065	-2323557	0.097	Si
23	19.01	5.4	11.4	5.4						-2067828	SLD 1	-2067828	-2323557	0.097	Si
51	14.93	5.4	11.4	5.4						-1597465	SLD 1	-2067828	-1840356	0.089	No
77	7.6	5.4	11.4	5.4	-87863	SLD 15	212794	1422093	0.084	-1206317	SLD 1	-1652623	-970824	0.078	No
103	7.6	5.4	11.4	5.4	180485	SLD 15	453192	1422093	0.084	-840014	SLD 1	-1258182	-970824	0.078	No
154	7.6	5.4	11.4	5.4	643168	SLD 15	860112	1422093	0.084	-182046	SLD 1	-543853	-970824	0.078	Si
205	7.6	5.4	11.4	5.4	1007478	SLD 15	1169069	1422093	0.084						Si
231	7.6	5.4	11.4	5.4	1152979	SLD 15	1287273	1422093	0.084						Si
282	7.6	5.4	11.4	5.4	1371984	SLD 15	1454458	1422093	0.084						No
334	7.6	5.4	11.4	5.4	1502769	SLD 15	1549352	1422093	0.084						No
385	7.6	5.4	11.4	5.4	1603461	SLD 3	1662060	1422093	0.084						No
436	7.6	5.4	11.4	5.4	1694691	SLD 3	1710743	1422093	0.084						No
488	7.6	5.4	11.4	5.4	1703464	SLD 3	1710743	1422093	0.084						No
539	7.6	5.4	11.4	5.4	1616559	SLD 3	1676322	1422093	0.084						No
590	7.6	5.4	11.4	5.4	1431780	SLD 3	1547080	1422093	0.084						No
616	7.6	5.4	11.4	5.4	1302464	SLD 3	1445660	1422093	0.084						No
667	21.43	5.4	11.4	5.4	969788	SLD 3	1168894	1422107	0.084	-203033	SLD 13	-547899	-2610142	0.102	Si
719	22.81	5.4	11.4	5.4	538255	SLD 3	793356	1422107	0.084	-831025	SLD 13	-1157156	-2773209	0.105	Si
742	22.81	5.4	11.4	5.4	303450	SLD 3	584800	1422107	0.084	-1157156	SLD 13	-1157156	-2773209	0.105	Si
770	22.81	5.4	11.4	5.4	7929	SLD 3	7929	1422107	0.084	-1558115	SLD 13	-1349736	-2773209	0.105	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	23555	SLU 29	23555	9541	76908	0	9541	1	Si
23	0.201	7.6	0	22293	SLU 29	22293	9541	76908	23342	23342	1	Si
51	0.201	7.6	0	20675	SLU 29	20675	9541	76908	23342	23342	1	Si
103	0.156	7.6	0	17794	SLU 29	17794	9541	76908	18110	18110	1	Si
154	0.156	11.4	0	14913	SLU 29	14913	10922	76908	18110	18110	1	Si
205	0.156	11.4	0	12033	SLU 29	12033	10922	76908	18110	18110	1	Si
231	0.156	11.4	0	10592	SLU 29	10592	10922	76908	18110	18110	1	Si
282	0.156	11.4	0	7712	SLU 29	7712	10922	76908	18110	18110	1	Si
334	0.156	11.4	0	4831	SLU 29	4831	10922	76908	18110	18110	1	Si
385	0.156	11.4	0	1950	SLU 29	1950	10922	76908	18110	18110	1	Si
436	0.156	11.4	0	-944	SLU 36	-944	-10922	-76908	-18110	-18110	1	Si
488	0.156	11.4	0	-3818	SLU 30	-3818	-10922	-76908	-18110	-18110	1	Si
539	0.156	11.4	0	-6699	SLU 30	-6699	-10922	-76908	-18110	-18110	1	Si
590	0.156	11.4	0	-9580	SLU 30	-9580	-10922	-76908	-18110	-18110	1	Si
616	0.156	10	0	-11020	SLU 30	-11020	-10454	-76908	-18110	-18110	1	Si
667	0.156	11.4	0	-13901	SLU 30	-13901	-10922	-76908	-18110	-18110	1	Si
719	0.158	16.59	0	-16781	SLU 30	-16781	-12375	-76908	-18340	-18340	1	Si
742	0.158	21.43	0	-18119	SLU 30	-18119	-13477	-76908	-18340	-18340	1	Si
770	0	22.81	0	-19516	SLU 30	-19516	-13761	-76908	0	-13761	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	20093	SLV 1	21225	9541	76908	0	9541	1	Si
23	0.201	7.6	0	19247	SLV 1	20378	9541	76908	23342	23342	1	Si
51	0.201	7.6	0	18163	SLV 1	19294	9541	76908	23342	23342	1	Si
103	0.156	7.6	0	16232	SLV 1	17364	9541	76908	18110	18110	1	Si
154	0.156	7.6	0	14302	SLV 1	15433	9541	76908	18110	18110	1	Si
205	0.156	7.6	0	12371	SLV 1	13503	9541	76908	18110	18110	1	Si
231	0.156	11.4	0	11406	SLV 1	12537	10922	76908	18110	18110	1	Si
282	0.156	11.4	0	9475	SLV 1	10607	10922	76908	18110	18110	1	Si
282	0.156	11.4	0	772	SLV 15	-359	-10922	-76908	-18110	-18110	1	Si
334	0.156	11.4	0	7545	SLV 1	8676	10922	76908	18110	18110	1	Si
334	0.156	11.4	0	-1158	SLV 15	-2289	-10922	-76908	-18110	-18110	1	Si
385	0.156	11.4	0	5614	SLV 1	6746	10922	76908	18110	18110	1	Si
385	0.156	11.4	0	-3089	SLV 15	-4220	-10922	-76908	-18110	-18110	1	Si
436	0.156	11.4	0	3684	SLV 1	4815	10922	76908	18110	18110	1	Si
436	0.156	11.4	0	-5019	SLV 15	-6150	-10922	-76908	-18110	-18110	1	Si
488	0.156	11.4	0	1753	SLV 1	2885	10922	76908	18110	18110	1	Si
488	0.156	11.4	0	-6950	SLV 15	-8081	-10922	-76908	-18110	-18110	1	Si
539	0.156	11.4	0	-177	SLV 1	954	10922	76908	18110	18110	1	Si
539	0.156	11.4	0	-8880	SLV 15	-10011	-10922	-76908	-18110	-18110	1	Si
590	0.156	11.4	0	-10811	SLV 15	-11942	-10922	-76908	-18110	-18110	1	Si
616	0.156	7.6	0	-11776	SLV 15	-12907	-9541	-76908	-18110	-18110	1	Si
667	0.156	7.6	0	-13706	SLV 15	-14838	-9541	-76908	-18110	-18110	1	Si
719	0.158	16.59	0	-15637	SLV 15	-16768	-12375	-76908	-18340	-18340	1	Si
742	0.158	21.43	0	-16533	SLV 15	-17665	-13477	-76908	-18340	-18340	1	Si
770	0	22.81	0	-17473	SLV 15	-18604	-13761	-76908	0	-13761	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	17667	SLD 1	17667	9541	76908	0	9541	1	Si
23	0.201	7.6	0	16821	SLD 1	16821	9541	76908	23342	23342	1	Si
51	0.201	7.6	0	15737	SLD 1	15737	9541	76908	23342	23342	1	Si
103	0.156	7.6	0	13806	SLD 1	13806	9541	76908	18110	18110	1	Si
154	0.156	7.6	0	11876	SLD 1	11876	9541	76908	18110	18110	1	Si
205	0.156	11.4	0	9945	SLD 1	9945	10922	76908	18110	18110	1	Si
231	0.156	11.4	0	8980	SLD 1	8980	10922	76908	18110	18110	1	Si
282	0.156	11.4	0	7049	SLD 1	7049	10922	76908	18110	18110	1	Si
334	0.156	11.4	0	5119	SLD 1	5119	10922	76908	18110	18110	1	Si
385	0.156	11.4	0	3188	SLD 1	3188	10922	76908	18110	18110	1	Si
385	0.156	11.4	0	-663	SLD 15	-663	-10922	-76908	-18110	-18110	1	Si
436	0.156	11.4	0	1258	SLD 1	1258	10922	76908	18110	18110	1	Si
436	0.156	11.4	0	-2593	SLD 15	-2593	-10922	-76908	-18110	-18110	1	Si
488	0.156	11.4	0	-4524	SLD 15	-4524	-10922	-76908	-18110	-18110	1	Si
539	0.156	11.4	0	-6454	SLD 15	-6454	-10922	-76908	-18110	-18110	1	Si
590	0.156	11.4	0	-8385	SLD 15	-8385	-10922	-76908	-18110	-18110	1	Si
616	0.156	10	0	-9350	SLD 15	-9350	-10454	-76908	-18110	-18110	1	Si
667	0.156	7.6	0	-11280	SLD 15	-11280	-9541	-76908	-18110	-18110	1	Si
719	0.158	16.59	0	-13211	SLD 15	-13211	-12375	-76908	-18340	-18340	1	Si
742	0.158	21.43	0	-14107	SLD 15	-14107	-13477	-76908	-18340	-18340	1	Si
770	0	22.81	0	-15047	SLD 15	-15047	-13761	-76908	0	-13761	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1916493	2	-1725008	49.9	124.5	1565.6	1837	-1747713	2	-1571959	45.4	93.4	0	+∞	Si
23	-1542417	2	-1542417	44.6	124.5	1399.9	1837	-1404385	2	-1404385	40.6	93.4	0	+∞	Si
51	-1089985	2	-1542417	48.3	124.5	1765.3	1837	-989190	2	-1404385	44	93.4	0	+∞	Si
77	-717139	2	-1142995	45.9	124.5	2514.9	1837	-647090	2	-1037836	41.7	93.4	0	+∞	Si
103	-371233	2	-766578	17.2	124.5	265.8	1837	-329765	2	-692451	27.8	93.4	0	+∞	Si
154	240311	3	536841	19.5	124.5	799.3	1837	230561	2	502498	18.2	93.4	0	+∞	Si
205	743308	3	978815	35.5	124.5	1457.4	1837	691788	2	907605	33	93.4	0	+∞	Si
231	954397	3	1159393	42.1	124.5	1726.2	1837	885239	2	1072997	39	93.4	0	+∞	Si
282	1295811	2	1439921	52.3	124.5	2143.9	1837	1197818	2	1329456	48.3	93.4	0	+∞	Si
334	1529657	2	1612744	58.5	124.5	2401.2	1837	1411297	2	1486816	54	93.4	0	+∞	Si
385	1655745	2	1678381	60.9	124.5	2498.9	1837	1525678	2	1545706	56.1	93.4	0	+∞	Si
436	1674077	2	1678381	60.9	124.5	2498.9	1837	1540960	2	1545706	56.1	93.4	0	+∞	Si
488	1584652	2	1646977	59.8	124.5	2452.2	1837	1457142	2	1515353	55	93.4	0	+∞	Si
539	1387469	2	1510817	54.8	124.5	2249.5	1837	1274226	2	1388556	50.4	93.4	0	+∞	Si
590	1082530	2	1266901	46	124.5	1886.3	1837	992211	2	1162661	42.2	93.4	0	+∞	Si
616	889652	2	1104533	40.1	124.5	1644.5	1837	814041	2	1012551	36.8	93.4	0	+∞	Si
667	423078	2	698982	21.3	124.5	1032	1837	383378	2	638007	19.5	93.4	0	+∞	Si
719	-158529	9	-457640	12.5	124.5	348.9	1837	-146385	2	-426853	11.6	93.4	0	+∞	Si
742	-457640	3	-457640	12.5	124.5	348.9	1837	-426853	2	-426853	11.6	93.4	0	+∞	Si
770	-835511	3	-639376	17.4	124.5	487.4	1837	-775093	2	-594350	16.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.013	0.011	0.02	0.013	0.012	0.011	0.018	0.013	0.012	0.011	0.049	2	0.038	2	9999	Si
51	0.032	0.027	0.05	0.031	0.031	0.027	0.044	0.031	0.03	0.027	0.12	2	0.094	2	6420	Si
103	0.072	0.059	0.109	0.067	0.068	0.059	0.095	0.067	0.067	0.059	0.258	2	0.204	2	2981	Si
154	0.115	0.093	0.171	0.105	0.108	0.093	0.149	0.106	0.106	0.093	0.402	2	0.318	2	1914	Si
205	0.155	0.126	0.231	0.142	0.146	0.126	0.202	0.143	0.143	0.126	0.543	2	0.428	2	1419	Si
231	0.173	0.14	0.259	0.159	0.164	0.14	0.226	0.16	0.16	0.14	0.609	2	0.48	2	1265	Si
282	0.205	0.165	0.31	0.189	0.193	0.165	0.271	0.19	0.189	0.165	0.727	2	0.573	2	1059	Si
334	0.226	0.182	0.349	0.212	0.213	0.182	0.304	0.213	0.209	0.182	0.813	2	0.642	2	947	Si
385	0.237	0.19	0.37	0.224	0.223	0.191	0.322	0.224	0.218	0.191	0.856	2	0.676	2	899	Si
411	0.238	0.191	0.372	0.225	0.224	0.191	0.324	0.225	0.219	0.191	0.86	2	0.679	2	896	Si
436	0.236	0.189	0.369	0.222	0.222	0.189	0.321	0.223	0.217	0.189	0.851	2	0.672	2	905	Si
488	0.222	0.178	0.345	0.208	0.209	0.178	0.3	0.209	0.205	0.178	0.797	2	0.628	2	966	Si
539	0.197	0.158	0.301	0.182	0.186	0.158	0.262	0.183	0.182	0.158	0.699	2	0.548	2	1102	Si
590	0.163	0.13	0.243	0.147	0.153	0.13	0.212	0.148	0.15	0.13	0.564	2	0.442	2	1365	Si
616	0.142	0.113	0.211	0.128	0.134	0.114	0.184	0.129	0.131	0.114	0.489	2	0.383	2	1575	Si
667	0.096	0.077	0.142	0.086	0.091	0.077	0.124	0.087	0.089	0.077	0.329	2	0.258	2	2342	Si
719	0.048	0.038	0.07	0.043	0.045	0.038	0.061	0.043	0.044	0.038	0.163	2	0.128	2	4716	Si
742	0.025	0.02	0.037	0.023	0.023	0.02	0.033	0.023	0.023	0.02	0.087	2	0.068	2	8883	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	14896	5483	23342	SLV 1	0.55	2183	1.583	-1404385	-1499234	-2323557	SLV 1	0.23	235	0.635	No
51	13811	5483	23342	SLV 1	0.57	2474	1.666	-1404385	-1499234	-1840356	SLV 1	0.11	52	0.342	No
103	11881	5483	18110	SLV 1	0.41	971	1.136	-692451	-1278415	-970824	SLV 1	0.08	29	0.269	No
154	9950	5483	18110	SLV 1	0.53	1991	1.524	-76006	-1057212	-970824	SLV 1	0.31	475	0.847	No
205	8020	5483	18110	SLV 1	0.57	2474	1.666	907605	590827	1422093	SLV 15	0.32	509	0.871	No
231	7054	5483	18110	SLV 1	0.57	2474	1.666	1072997	484197	1422093	SLV 15	0.27	335	0.734	No
282	5124	5483	18110	SLV 1	0.57	2474	1.666	1329456	282496	1422093	SLV 15	0.13	65	0.375	No
334	3193	5483	18110	SLV 1	0.57	2474	1.666	1486816	-114538	1422093	SLV 1	0	0	0	No
385	1263	5483	18110	SLV 1	0.57	2474	1.666	1545077	235406	1422093	SLV 1	0	0	0	No
436	-668	-5483	-18110	SLV 15	0.57	2474	1.666	1504239	428292	1422093	SLV 1	0	0	0	No
488	-2598	-5483	-18110	SLV 15	0.57	2474	1.666	1515353	401641	1422093	SLV 1	0	0	0	No
539	-4529	-5483	-18110	SLV 15	0.57	2474	1.666	1388556	262214	1422093	SLV 7	0.05	10	0.174	No
590	-6459	-5483	-18110	SLV 15	0.57	2474	1.666	1162661	868881	1422093	SLV 3	0.11	55	0.35	No
616	-7424	-5483	-18110	SLV 15	0.57	2474	1.666	1012551	978913	1422093	SLV 3	0.16	106	0.458	No
667	-9355	-5483	-18110	SLV 15	0.57	2403	1.647	638007	1199877	1422107	SLV 3	0.24	270	0.672	No
719	-11285	-5483	-18340	SLV 15	0.46	1350	1.3	164364	1421583	1422107	SLV 3	0.32	529	0.885	No
742	-12182	-5483	-18340	SLV 15	0.41	945	1.123	-426853	1650533	1422107	SLV 3	0.41	938	1.12	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	14896	1926	23342	SLD 1	0.58	2474	4.193	-1404385	-663444	-2323557	SLD 1	0.19	161	1.368	Si
51	13811	1926	23342	SLD 1	0.6	2474	4.193	-1404385	-663444	-1840356	SLD 1	0.09	36	0.74	No
103	11881	1926	18110	SLD 1	0.43	1122	3.032	-692451	-565731	-970824	SLD 1	0.07	19	0.57	No
154	9950	1926	18110	SLD 1	0.56	2302	4.071	-76006	-467847	-970824	SLD 1	0.26	323	1.82	Si
205	8020	1926	18110	SLD 1	0.6	2474	4.193	907605	261464	1422093	SLD 15	0.27	344	1.867	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
231	7054	1926	18110	SLD 1	0.6	2474	4.193	1072997	214276	1422093	SLD 15	0.23	227	1.575	Si
282	5124	1926	18110	SLD 1	0.6	2474	4.193	1329456	125002	1422093	SLD 15	0.1	46	0.818	No
334	3193	1926	18110	SLD 1	0.6	2474	4.193	1486816	-50637	1422093	SLD 1	0	0	0	No
385	1263	1926	18110	SLD 1	0.6	2474	4.193	1545077	104088	1422093	SLD 1	0	0	0	No
436	-668	-1926	-18110	SLD 15	0.6	2474	4.193	1511438	183475	1422093	SLD 1	0	0	0	No
488	-2598	-1926	-18110	SLD 15	0.6	2474	4.193	1511438	183475	1422093	SLD 1	0	0	0	No
539	-4529	-1926	-18110	SLD 15	0.6	2474	4.193	1388556	287766	1422093	SLD 3	0.01	1	0.17	No
590	-6459	-1926	-18110	SLD 15	0.6	2474	4.193	1162661	384420	1422093	SLD 3	0.09	38	0.757	No
616	-7424	-1926	-18110	SLD 15	0.6	2474	4.193	1012551	433109	1422093	SLD 3	0.13	74	0.995	No
667	-9355	-1926	-18110	SLD 15	0.6	2474	4.193	638007	530887	1422107	SLD 3	0.21	184	1.445	Si
719	-11285	-1926	-18340	SLD 15	0.49	1559	3.47	164364	628992	1422107	SLD 3	0.27	357	1.896	Si
742	-12182	-1926	-18340	SLD 15	0.43	1087	2.993	-426853	730303	1422107	SLD 3	0.34	609	2.36	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 67-69

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 67 - 68, sezione R 45x70, asta 787

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	19.01	5.4						-1513380	SLU 30	-1379058	-1422107	0.084	Si
23	11.4	5.4	19.01	5.4						-1259552	SLU 30	-1259552	-1422107	0.084	Si
45	11.4	5.4	19.01	5.4						-1032259	SLU 30	-1259552	-1422107	0.084	Si
68	11.4	5.4	19.01	5.4						-836973	SLU 30	-1093823	-1422107	0.084	Si
91	11.4	5.4	17.42	5.4						-671871	SLU 30	-890010	-1422107	0.084	Si
102	11.4	5.4	15.89	5.4						-600638	SLU 30	-799422	-1422107	0.084	Si
125	11.4	5.4	11.4	5.4						-480809	SLU 30	-640884	-1422094	0.084	Si
147	11.4	5.4	11.4	5.4						-391428	SLU 29	-512529	-1422094	0.084	Si
170	11.4	5.4	11.4	5.4						-332839	SLU 29	-414374	-1422094	0.084	Si
193	11.4	5.4	11.4	5.4						-304434	SLU 29	-347259	-1422094	0.084	Si
215	11.4	5.4	11.4	5.4						-306211	SLU 29	-353595	-1422094	0.084	Si
238	11.4	5.4	11.4	5.4						-338171	SLU 29	-424265	-1422094	0.084	Si
261	11.4	5.4	11.4	5.4						-400315	SLU 29	-525118	-1422094	0.084	Si
272	14.72	5.4	12.93	5.4						-442705	SLU 29	-586863	-1815087	0.089	Si
295	16.85	5.4	14.45	5.4						-550123	SLU 29	-688902	-2068246	0.091	Si
317	19.01	5.4	15.21	5.4						-688902	SLU 29	-688902	-2323187	0.094	Si
340	19.01	5.4	15.21	5.4						-855507	SLU 29	-764797	-2323187	0.094	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	19.01	5.4	2093594	SLV 15	1995871	2323557	0.097	-4244072	SLV 1	-3957744	-1422107	0.084	No
23	11.4	5.4	19.01	5.4	1910816	SLV 15	1910816	2323557	0.097	-3703919	SLV 1	-3703919	-1422107	0.084	No
45	11.4	5.4	19.01	5.4	1705184	SLV 15	1910816	2323557	0.097	-3176176	SLV 1	-3703919	-1422107	0.084	No
68	11.4	5.4	19.01	5.4	1480944	SLV 15	1764298	2323557	0.097	-2672807	SLV 1	-3322705	-1422107	0.084	No
91	11.4	5.4	17.42	5.4	1236840	SLV 15	1545701	2135439	0.094	-2189984	SLV 1	-2813564	-1422107	0.084	No
102	11.4	5.4	15.89	5.4	1107417	SLV 15	1428926	1954579	0.091	-1956355	SLV 1	-2566670	-1422107	0.084	No
125	11.4	5.4	11.4	5.4	834144	SLV 15	1180541	1422094	0.084	-1504979	SLV 1	-2088355	-1422094	0.084	No
147	11.4	5.4	11.4	5.4	542625	SLV 15	912684	1422094	0.084	-1075765	SLV 1	-1630979	-1422094	0.084	No
170	11.4	5.4	11.4	5.4	236090	SLV 15	626201	1422094	0.084	-671945	SLV 1	-1195385	-1422094	0.084	Si
193	11.4	5.4	11.4	5.4	-61510	SLV 15	323527	1422094	0.084	-317471	SLV 1	-784012	-1422094	0.084	Si
215	11.4	5.4	11.4	5.4	135596	SLV 3	573919	1422094	0.084	-498113	SLV 13	-975709	-1422094	0.084	Si
238	11.4	5.4	11.4	5.4	479648	SLV 3	897938	1422094	0.084	-866110	SLV 13	-1375499	-1422094	0.084	Si
261	11.4	5.4	11.4	5.4	808865	SLV 3	1202913	1422094	0.084	-1259683	SLV 13	-1796655	-1422094	0.084	No
272	14.72	5.4	12.93	5.4	966517	SLV 3	1348043	1602513	0.086	-1464666	SLV 13	-2015028	-1815087	0.089	No
295	16.85	5.4	14.45	5.4	1267259	SLV 3	1550206	1783361	0.087	-1890379	SLV 13	-2340145	-2068246	0.091	No
317	19.01	5.4	15.21	5.4	1550206	SLV 3	1550206	1872544	0.088	-2340145	SLV 13	-2340145	-2323187	0.094	No
340	19.01	5.4	15.21	5.4	1809291	SLV 3	1685019	1872544	0.088	-2803582	SLV 13	-2567216	-2323187	0.094	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	19.01	5.4	327084	SLD 15	327084	2323557	0.097	-2477563	SLD 1	-2298283	-1422107	0.084	No
23	11.4	5.4	19.01	5.4	345811	SLD 15	347769	2323557	0.097	-2138913	SLD 1	-2138913	-1422107	0.084	No
45	11.4	5.4	19.01	5.4	344593	SLD 15	347769	2323557	0.097	-1815585	SLD 1	-2138913	-1422107	0.084	No
68	11.4	5.4	19.01	5.4	323161	SLD 15	346388	2323557	0.097	-1515024	SLD 1	-1904795	-1422107	0.084	No
91	11.4	5.4	17.42	5.4	281675	SLD 15	330635	2135439	0.094	-1234819	SLD 1	-1598497	-1422107	0.084	No
102	11.4	5.4	15.89	5.4	253445	SLD 15	315226	1954579	0.091	-1102384	SLD 1	-1452970	-1422107	0.084	No
125	11.4	5.4	11.4	5.4	182155	SLD 15	269395	1422094	0.084	-852990	SLD 1	-1177209	-1422094	0.084	Si
147	11.4	5.4	11.4	5.4	91527	SLD 15	203684	1422094	0.084	-624667	SLD 1	-921978	-1422094	0.084	Si
170	11.4	5.4	11.4	5.4	-17012	SLD 15	118465	1422094	0.084	-418844	SLD 1	-687650	-1422094	0.084	Si
193	11.4	5.4	11.4	5.4	-132869	SLD 15	14818	1422094	0.084	-246113	SLD 1	-475303	-1422094	0.084	Si
215	11.4	5.4	11.4	5.4	-41043	SLD 3	141987	1422094	0.084	-321474	SLD 13	-543776	-1422094	0.084	Si
238	11.4	5.4	11.4	5.4	104540	SLD 3	264258	1422094	0.084	-491003	SLD 13	-741818	-1422094	0.084	Si
261	11.4	5.4	11.4	5.4	232294	SLD 3	366837	1422094	0.084	-683112	SLD 13	-960579	-1422094	0.084	Si
272	14.72	5.4	12.93	5.4	288868	SLD 3	410647	1602513	0.086	-787017	SLD 13	-1077633	-1815087	0.089	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
295	16.85	5.4	14.45	5.4	387124	SLD 3	465840	1783361	0.087	-1010244	SLD 13	-1255779	-2068246	0.091	Si
317	19.01	5.4	15.21	5.4	465840	SLD 3	465840	1872544	0.088	-1255779	SLD 13	-1255779	-2323187	0.094	Si
340	19.01	5.4	15.21	5.4	523536	SLD 3	499785	1872544	0.088	-1517826	SLD 13	-1381982	-2323187	0.094	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	11944	SLU 30	11944	10922	76908	0	10922	1	Si
23	0.244	11.4	0	10623	SLU 30	10623	10922	76908	28344	28344	1	Si
45	0.244	11.4	0	9281	SLU 30	9281	10922	76908	28344	28344	1	Si
68	0.244	11.4	0	7950	SLU 30	7950	10922	76908	28344	28344	1	Si
91	0.244	11.4	0	6645	SLU 36	6645	10922	76908	28344	28344	1	Si
102	0.214	11.4	0	6023	SLU 36	6023	10922	76908	24848	24848	1	Si
125	0.214	11.4	0	4780	SLU 36	4780	10922	76908	24848	24848	1	Si
147	0.214	11.4	0	3711	SLU 35	3711	10922	76908	24848	24848	1	Si
170	0.214	11.4	0	2781	SLU 26	2781	10922	76908	24848	24848	1	Si
193	0.214	11.4	0	1854	SLU 26	1854	10922	76908	24848	24848	1	Si
215	0.214	11.4	0	927	SLU 26	927	10922	76908	24848	24848	1	Si
215	0.214	11.4	0	-996	SLU 11	-996	-10922	-76908	-24848	-24848	1	Si
238	0.214	11.4	0	-2142	SLU 11	-2142	-10922	-76908	-24848	-24848	1	Si
261	0.215	11.4	0	-3407	SLU 29	-3407	-10922	-76908	-25009	-25009	1	Si
272	0.215	11.4	0	-4073	SLU 29	-4073	-10922	-76908	-25009	-25009	1	Si
295	0.215	11.4	0	-5405	SLU 29	-5405	-10922	-76908	-25009	-25009	1	Si
317	0.215	11.4	0	-6746	SLU 29	-6746	-10922	-76908	-25009	-25009	1	Si
340	0	14.72	0	-8068	SLU 29	-8068	-11891	-76908	0	-11891	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	24469	SLV 3	28651	10922	76908	0	10922	1	Si
0	0	19.01	0	-7698	SLV 13	-11880	-12949	-76908	0	-12949	1	Si
23	0.244	11.4	0	23585	SLV 3	27766	10922	76908	28344	28344	1	Si
23	0.244	17.42	0	-8583	SLV 13	-12765	-12578	-76908	-28344	-28344	1	Si
45	0.244	11.4	0	22687	SLV 3	26869	10922	76908	28344	28344	1	Si
45	0.244	11.4	0	-9481	SLV 13	-13663	-10922	-76908	-28344	-28344	1	Si
68	0.244	11.4	0	21795	SLV 3	25977	10922	76908	28344	28344	1	Si
68	0.244	11.4	0	-10372	SLV 13	-14554	-10922	-76908	-28344	-28344	1	Si
91	0.244	11.4	0	20904	SLV 3	25086	10922	76908	28344	28344	1	Si
91	0.244	11.4	0	-11264	SLV 13	-15445	-10922	-76908	-28344	-28344	1	Si
102	0.214	11.4	0	20458	SLV 3	24640	10922	76908	24848	24848	1	Si
102	0.214	11.4	0	-11709	SLV 13	-15891	-10922	-76908	-24848	-24848	1	Si
125	0.214	11.4	0	19567	SLV 3	23749	10922	76908	24848	24848	1	Si
125	0.214	11.4	0	-12601	SLV 13	-16782	-10922	-76908	-24848	-24848	1	Si
147	0.214	11.4	0	18675	SLV 3	22857	10922	76908	24848	24848	1	Si
147	0.214	11.4	0	-13492	SLV 13	-17674	-10922	-76908	-24848	-24848	1	Si
170	0.214	11.4	0	17784	SLV 3	21966	10922	76908	24848	24848	1	Si
170	0.214	11.4	0	-14383	SLV 13	-18565	-10922	-76908	-24848	-24848	1	Si
193	0.214	11.4	0	16893	SLV 3	21074	10922	76908	24848	24848	1	Si
193	0.214	11.4	0	-15275	SLV 13	-19457	-10922	-76908	-24848	-24848	1	Si
215	0.214	11.4	0	16001	SLV 3	20183	10922	76908	24848	24848	1	Si
215	0.214	11.4	0	-16166	SLV 13	-20348	-10922	-76908	-24848	-24848	1	Si
238	0.214	11.4	0	15110	SLV 3	19292	10922	76908	24848	24848	1	Si
238	0.214	11.4	0	-17058	SLV 13	-21239	-10922	-76908	-24848	-24848	1	Si
261	0.215	11.4	0	14218	SLV 3	18400	10922	76908	25009	25009	1	Si
261	0.215	11.4	0	-17949	SLV 13	-22131	-10922	-76908	-25009	-25009	1	Si
272	0.215	11.4	0	13773	SLV 3	17955	10922	76908	25009	25009	1	Si
272	0.215	11.4	0	-18395	SLV 13	-22577	-10922	-76908	-25009	-25009	1	Si
295	0.215	11.4	0	12881	SLV 3	17063	10922	76908	25009	25009	1	Si
295	0.215	11.4	0	-19286	SLV 13	-23468	-10922	-76908	-25009	-25009	1	Si
317	0.215	11.4	0	11983	SLV 3	16165	10922	76908	25009	25009	1	Si
317	0.215	11.4	0	-20184	SLV 13	-24366	-10922	-76908	-25009	-25009	1	Si
340	0	12.93	0	11099	SLV 3	15280	11387	76908	0	11387	1	Si
340	0	14.72	0	-21069	SLV 13	-25251	-11891	-76908	0	-11891	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	15503	SLD 3	15503	10922	76908	0	10922	1	Si
23	0.244	11.4	0	14619	SLD 3	14619	10922	76908	28344	28344	1	Si
45	0.244	11.4	0	13721	SLD 3	13721	10922	76908	28344	28344	1	Si
45	0.244	11.4	0	-515	SLD 13	-515	-10922	-76908	-28344	-28344	1	Si
68	0.244	11.4	0	12829	SLD 3	12829	10922	76908	28344	28344	1	Si
68	0.244	11.4	0	-1406	SLD 13	-1406	-10922	-76908	-28344	-28344	1	Si
91	0.244	11.4	0	11938	SLD 3	11938	10922	76908	28344	28344	1	Si
91	0.244	11.4	0	-2297	SLD 13	-2297	-10922	-76908	-28344	-28344	1	Si
102	0.214	11.4	0	11492	SLD 3	11492	10922	76908	24848	24848	1	Si
102	0.214	11.4	0	-2743	SLD 13	-2743	-10922	-76908	-24848	-24848	1	Si
125	0.214	11.4	0	10601	SLD 3	10601	10922	76908	24848	24848	1	Si
125	0.214	11.4	0	-3635	SLD 13	-3635	-10922	-76908	-24848	-24848	1	Si
147	0.214	11.4	0	9709	SLD 3	9709	10922	76908	24848	24848	1	Si
147	0.214	11.4	0	-4526	SLD 13	-4526	-10922	-76908	-24848	-24848	1	Si
170	0.214	11.4	0	8818	SLD 3	8818	10922	76908	24848	24848	1	Si
170	0.214	11.4	0	-5417	SLD 13	-5417	-10922	-76908	-24848	-24848	1	Si
193	0.214	11.4	0	7927	SLD 3	7927	10922	76908	24848	24848	1	Si
193	0.214	11.4	0	-6309	SLD 13	-6309	-10922	-76908	-24848	-24848	1	Si
215	0.214	11.4	0	7035	SLD 3	7035	10922	76908	24848	24848	1	Si
215	0.214	11.4	0	-7200	SLD 13	-7200	-10922	-76908	-24848	-24848	1	Si
238	0.214	11.4	0	6144	SLD 3	6144	10922	76908	24848	24848	1	Si
238	0.214	11.4	0	-8092	SLD 13	-8092	-10922	-76908	-24848	-24848	1	Si
261	0.215	11.4	0	5252	SLD 3	5252	10922	76908	25009	25009	1	Si
261	0.215	11.4	0	-8983	SLD 13	-8983	-10922	-76908	-25009	-25009	1	Si
272	0.215	11.4	0	4807	SLD 3	4807	10922	76908	25009	25009	1	Si
272	0.215	11.4	0	-9429	SLD 13	-9429	-10922	-76908	-25009	-25009	1	Si
295	0.215	11.4	0	3915	SLD 3	3915	10922	76908	25009	25009	1	Si
295	0.215	11.4	0	-10320	SLD 13	-10320	-10922	-76908	-25009	-25009	1	Si
317	0.215	11.4	0	3017	SLD 3	3017	10922	76908	25009	25009	1	Si
317	0.215	11.4	0	-11218	SLD 13	-11218	-10922	-76908	-25009	-25009	1	Si
340	0	12.93	0	2132	SLD 3	2132	11387	76908	0	11387	1	Si
340	0	14.72	0	-12103	SLD 13	-12103	-11891	-76908	0	-11891	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1127124	3	-1027537	32.2	124.5	1518.7	1837	-1075239	2	-980936	30.8	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
23	-938742	3	-938742	29.4	124.5	1387.4	1837	-896551	2	-896551	28.1	93.4	0	+∞	Si
45	-769637	3	-938742	29.4	124.5	1387.4	1837	-735496	2	-896551	28.1	93.4	0	+∞	Si
68	-623871	3	-815473	25.6	124.5	1205.2	1837	-595931	2	-779204	24.4	93.4	0	+∞	Si
91	-500090	3	-663497	21.2	124.5	981.3	1837	-476572	2	-633931	20.3	93.4	0	+∞	Si
102	-446444	3	-595753	19.4	124.5	881.8	1837	-424469	2	-568872	18.5	93.4	0	+∞	Si
125	-355641	3	-476754	16.4	124.5	707.7	1837	-335417	2	-453907	15.6	93.4	0	+∞	Si
147	-287000	2	-379740	13.1	124.5	563.7	1837	-266570	2	-359147	12.4	93.4	0	+∞	Si
170	-240750	2	-304723	10.5	124.5	452.3	1837	-217928	2	-284592	9.8	93.4	0	+∞	Si
193	-216485	2	-252263	8.7	124.5	374.4	1837	-189491	2	-230242	7.9	93.4	0	+∞	Si
215	-214206	2	-244137	8.4	124.5	362.4	1837	-181259	2	-200895	6.9	93.4	0	+∞	Si
238	-233912	2	-292038	10.1	124.5	433.5	1837	-193231	2	-238780	8.2	93.4	0	+∞	Si
261	-275603	2	-361925	12.5	124.5	537.2	1837	-225409	2	-296871	10.2	93.4	0	+∞	Si
272	-304693	2	-405113	12.5	124.5	469.4	1837	-249075	2	-333493	10.3	93.4	0	+∞	Si
295	-379361	2	-476847	13.8	124.5	484.2	1837	-311560	2	-394969	11.4	93.4	0	+∞	Si
317	-476847	2	-476847	13.1	124.5	431	1837	-394969	2	-394969	10.9	93.4	0	+∞	Si
340	-594654	2	-530355	14.6	124.5	479.4	1837	-497145	2	-441098	12.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
45	-0.006	-0.008	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.015	1	-0.017	1	9999	Si
68	-0.008	-0.01	-0.008	-0.01	-0.008	-0.009	-0.008	-0.009	-0.008	-0.009	-0.019	1	-0.022	1	9999	Si
91	-0.009	-0.011	-0.009	-0.011	-0.009	-0.011	-0.009	-0.01	-0.009	-0.01	-0.022	1	-0.025	1	9999	Si
102	-0.009	-0.012	-0.009	-0.011	-0.009	-0.011	-0.009	-0.011	-0.009	-0.011	-0.023	1	-0.026	1	9999	Si
125	-0.01	-0.012	-0.01	-0.012	-0.01	-0.011	-0.01	-0.011	-0.01	-0.011	-0.024	1	-0.027	1	9999	Si
136	-0.01	-0.012	-0.01	-0.012	-0.01	-0.011	-0.01	-0.011	-0.01	-0.011	-0.024	1	-0.027	1	9999	Si
147	-0.009	-0.012	-0.009	-0.012	-0.009	-0.011	-0.01	-0.011	-0.009	-0.011	-0.023	1	-0.027	1	9999	Si
170	-0.009	-0.012	-0.009	-0.012	-0.009	-0.011	-0.009	-0.011	-0.009	-0.011	-0.023	1	-0.026	1	9999	Si
193	-0.008	-0.011	-0.008	-0.011	-0.008	-0.01	-0.009	-0.011	-0.008	-0.01	-0.021	1	-0.025	1	9999	Si
215	-0.007	-0.01	-0.008	-0.011	-0.008	-0.009	-0.008	-0.01	-0.008	-0.009	-0.019	1	-0.023	1	9999	Si
238	-0.006	-0.009	-0.007	-0.009	-0.007	-0.008	-0.007	-0.009	-0.007	-0.008	-0.017	1	-0.021	1	9999	Si
261	-0.005	-0.008	-0.006	-0.008	-0.005	-0.007	-0.006	-0.007	-0.005	-0.007	-0.014	1	-0.017	1	9999	Si
272	-0.005	-0.007	-0.005	-0.007	-0.005	-0.006	-0.005	-0.007	-0.005	-0.006	-0.012	1	-0.016	1	9999	Si
295	-0.003	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.009	1	-0.011	1	9999	Si
317	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	1	-0.006	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	7501	20266	28344	SLV 3	0.37	762	1.028	-896551	-2807368	-1422107	SLV 1	0.07	22	0.24	No
45	6603	20266	28344	SLV 3	0.39	844	1.072	-896551	-2807368	-1422107	SLV 1	0.07	22	0.24	No
68	5712	20266	28344	SLV 3	0.4	931	1.116	-779204	-2543502	-1422107	SLV 1	0.1	40	0.307	No
91	4820	20266	28344	SLV 3	0.42	1028	1.163	-633931	-2179632	-1422107	SLV 1	0.14	79	0.406	No
102	4374	20266	24848	SLV 3	0.37	729	1.01	-568872	-1997798	-1422107	SLV 1	0.16	111	0.467	No
125	3483	20266	24848	SLV 3	0.38	809	1.054	-453907	-1634448	-1422094	SLV 1	0.22	218	0.616	No
147	2592	20266	24848	SLV 3	0.4	894	1.098	-359147	-1271832	-1422094	SLV 1	0.31	462	0.838	No
170	1700	20266	24848	SLV 3	0.41	985	1.142	-284592	-910793	-1422094	SLV 1	0.45	1248	1.259	Si
193	809	20266	24848	SLV 3	0.43	1089	1.19	-230242	-553769	-1422094	SLV 1	0.57	2474	1.666	Si
215	-83	-20266	-24848	SLV 13	0.44	1178	1.229	-200895	-774814	-1422094	SLV 13	0.56	2321	1.623	Si
238	-974	-20266	-24848	SLV 13	0.43	1069	1.181	-238780	-1136718	-1422094	SLV 13	0.38	785	1.041	Si
261	-1865	-20266	-25009	SLV 13	0.41	984	1.142	-296871	-1499784	-1422094	SLV 13	0.28	366	0.761	No
272	-2311	-20266	-25009	SLV 13	0.41	938	1.12	-333493	-1681536	-1815087	SLV 13	0.32	524	0.882	No
295	-3202	-20266	-25009	SLV 13	0.39	851	1.076	-394969	-1945175	-2068246	SLV 13	0.31	494	0.861	No
317	-4100	-20266	-25009	SLV 13	0.37	768	1.032	-394969	-1945175	-2323187	SLV 13	0.36	696	0.991	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	7501	7118	28344	SLD 3	0.39	867	2.728	-896551	-1242362	-1422107	SLD 1	0.06	14	0.503	No
45	6603	7118	28344	SLD 3	0.41	960	2.844	-896551	-1242362	-1422107	SLD 1	0.06	14	0.503	No
68	5712	7118	28344	SLD 3	0.43	1069	2.972	-779204	-1125592	-1422107	SLD 1	0.08	27	0.658	No
91	4820	7118	28344	SLD 3	0.44	1187	3.103	-633931	-964566	-1422107	SLD 1	0.12	56	0.887	No
102	4374	7118	24848	SLD 3	0.39	830	2.679	-568872	-884098	-1422107	SLD 1	0.14	77	1.011	No
125	3483	7118	24848	SLD 3	0.4	921	2.796	-453907	-723302	-1422094	SLD 1	0.19	149	1.325	Si
147	2592	7118	24848	SLD 3	0.42	1022	2.918	-359147	-562831	-1422094	SLD 1	0.26	314	1.799	Si
170	1700	7118	24848	SLD 3	0.44	1137	3.049	-284592	-403058	-1422094	SLD 1	0.38	792	2.628	Si
193	809	7118	24848	SLD 3	0.45	1257	3.177	-230242	-245060	-1422094	SLD 1	0.6	2474	4.193	Si
215	-83	-7118	-24848	SLD 13	0.46	1360	3.281	-200895	-342882	-1422094	SLD 13	0.47	1447	3.365	Si
238	-974	-7118	-24848	SLD 13	0.45	1234	3.153	-238780	-503038	-1422094	SLD 13	0.32	510	2.194	Si
261	-1865	-7118	-25009	SLD 13	0.44	1137	3.049	-296871	-663708	-1422094	SLD 13	0.23	248	1.633	Si
272	-2311	-7118	-25009	SLD 13	0.43	1078	2.983	-333493	-744140	-1815087	SLD 13	0.27	353	1.887	Si
295	-3202	-7118	-25009	SLD 13	0.41	968	2.854	-394969	-860810	-2068246	SLD 13	0.27	335	1.847	Si
317	-4100	-7118	-25009	SLD 13	0.39	874	2.737	-394969	-860810	-2323187	SLD 13	0.3	456	2.096	Si

Campata 2 tra i fili 68 - 69, sezione R 45x70, asta 788

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	15.21	5.4						-2605137	SLU 29	-2333835	-2323187	0.094	No
23	19.01	5.4	15.21	5.4						-2075310	SLU 29	-2075310	-2323187	0.094	Si
51	14.93	5.4	14.05	5.4						-1435049	SLU 29	-2075310	-1840168	0.089	No
103	7.6	5.4	11.4	5.4	-173821	SLU 8	131375	1422093	0.084	-419767	SLU 29	-977935	-970824	0.078	No
154	7.6	5.4	11.4	5.4	441582	SLU 30	857619	1422093	0.084	288000	SLU 1	-44035	-970824	0.078	Si
205	7.6	5.4	11.4	5.4	1146602	SLU 30	1475122	1422093	0.084						No
231	7.6	5.4	11.4	5.4	1441166	SLU 29	1726073	1422093	0.084						No
282	7.6	5.4	11.4	5.4	1914631	SLU 29	2111871	1422093	0.084						No
334	7.6	5.4	11.4	5.4	2233289	SLU 29	2342864	1422093	0.084						No
385	7.6	5.4	11.4	5.4	2397143	SLU 29	2421018	1422093	0.084						No
436	7.6	5.4	11.4	5.4	2406192	SLU 29	2421018	1422093	0.084						No
488	7.6	5.4	11.4	5.4	2260435	SLU 29	2359762	1422093	0.084						No
539	7.6	5.4	11.4	5.4	1959873	SLU 29	2146866	1422093	0.084						No
590	7.6	5.4	11.4	5.4	1504506	SLU 29	1779165	1422093	0.084						No
616	7.6	5.4	11.4	5.4	1218771	SLU 29	1537262	1422093	0.084						No
667	21.43	5.4	11.4	5.4	531196	SLU 29	937353	1422107	0.084	248809	SLU 8	-13242	-2610142	0.102	Si
719	22.81	5.4	11.4	5.4	-204214	SLU 1	182639	1422107	0.084	-329057	SLU 36	-762801	-2773209	0.105	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
742	22.81	5.4	11.4	5.4						-762801	SLU 30	-762801	-2773209	0.105	Si
770	22.81	5.4	11.4	5.4						-1314942	SLU 30	-1028597	-2773209	0.105	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	15.21	5.4						-3331685	SLV 1	-3101974	-2323187	0.094	No
23	19.01	5.4	15.21	5.4	158053	SLV 15	461369	1872544	0.088	-2880215	SLV 1	-2880215	-2323187	0.094	No
51	14.93	5.4	14.05	5.4	459161	SLV 15	726932	1735553	0.087	-2327680	SLV 1	-2880215	-1840168	0.089	No
77	7.6	5.4	11.4	5.4	698596	SLV 15	937230	1422093	0.084	-1864730	SLV 1	-2392520	-970824	0.078	No
103	7.6	5.4	11.4	5.4	912298	SLV 15	1121861	1422093	0.084	-1427862	SLV 1	-1926116	-970824	0.078	No
154	7.6	5.4	11.4	5.4	1262750	SLV 15	1414507	1422093	0.084	-632617	SLV 1	-1071593	-970824	0.078	No
205	7.6	5.4	11.4	5.4	1511367	SLV 15	1606346	1422093	0.084	57205	SLV 1	-321934	-970824	0.078	No
231	7.6	5.4	11.4	5.4	1598078	SLV 15	1665640	1422093	0.084						No
282	7.6	5.4	11.4	5.4	1699678	SLV 15	1719595	1422093	0.084						No
334	7.6	5.4	11.4	5.4	1725488	SLV 15	1742971	1422093	0.084						No
385	7.6	5.4	11.4	5.4	1802503	SLV 3	1898904	1422093	0.084						No
436	7.6	5.4	11.4	5.4	1969190	SLV 3	2038548	1422093	0.084						No
488	7.6	5.4	11.4	5.4	2075041	SLV 3	2093525	1422093	0.084						No
539	7.6	5.4	11.4	5.4	2087498	SLV 1	2093525	1422093	0.084						No
590	7.6	5.4	11.4	5.4	2000118	SLV 1	2060576	1422093	0.084	396	SLV 15	-347270	-970824	0.078	No
616	7.6	5.4	11.4	5.4	1918292	SLV 1	2007589	1422093	0.084	-303498	SLV 15	-680845	-970824	0.078	No
667	21.43	5.4	11.4	5.4	1677763	SLV 1	1825111	1422107	0.084	-989854	SLV 15	-1426333	-2610142	0.102	No
719	22.81	5.4	11.4	5.4	1334327	SLV 1	1539991	1422107	0.084	-1780559	SLV 15	-2183923	-2773209	0.105	No
742	22.81	5.4	11.4	5.4	1138955	SLV 1	1371990	1422107	0.084	-2183923	SLV 15	-2183923	-2773209	0.105	Si
770	22.81	5.4	11.4	5.4	887956	SLV 1	887956	1422107	0.084	-2675091	SLV 15	-2422953	-2773209	0.105	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	15.21	5.4						-2430071	SLD 1	-2227560	-2323187	0.094	Si
23	19.01	5.4	15.21	5.4						-2033338	SLD 1	-2033338	-2323187	0.094	Si
51	14.93	5.4	14.05	5.4	-317632	SLD 15	20691	1735553	0.087	-1550887	SLD 1	-2033338	-1840168	0.089	No
77	7.6	5.4	11.4	5.4	-15894	SLD 15	293178	1422093	0.084	-1150240	SLD 1	-1607455	-970824	0.078	No
103	7.6	5.4	11.4	5.4	260015	SLD 15	539863	1422093	0.084	-775578	SLD 1	-1203365	-970824	0.078	No
154	7.6	5.4	11.4	5.4	734449	SLD 15	956001	1422093	0.084	-104316	SLD 1	-473156	-970824	0.078	Si
205	7.6	5.4	11.4	5.4	1106047	SLD 15	1269757	1422093	0.084						Si
231	7.6	5.4	11.4	5.4	1253543	SLD 15	1388761	1422093	0.084						Si
282	7.6	5.4	11.4	5.4	1473420	SLD 15	1554829	1422093	0.084						No
334	7.6	5.4	11.4	5.4	1601966	SLD 15	1646583	1422093	0.084						No
385	7.6	5.4	11.4	5.4	1695380	SLD 3	1745218	1422093	0.084						No
436	7.6	5.4	11.4	5.4	1770759	SLD 3	1778126	1422093	0.084						No
488	7.6	5.4	11.4	5.4	1761443	SLD 3	1778126	1422093	0.084						No
539	7.6	5.4	11.4	5.4	1653025	SLD 1	1723447	1422093	0.084						No
590	7.6	5.4	11.4	5.4	1442654	SLD 1	1572907	1422093	0.084						No
616	7.6	5.4	11.4	5.4	1298928	SLD 1	1458301	1422093	0.084						No
667	21.43	5.4	11.4	5.4	934128	SLD 1	1151905	1422107	0.084	-246218	SLD 15	-612128	-2610142	0.102	Si
719	22.81	5.4	11.4	5.4	466017	SLD 1	742317	1422107	0.084	-912249	SLD 15	-1257636	-2773209	0.105	Si
742	22.81	5.4	11.4	5.4	212668	SLD 1	516407	1422107	0.084	-1257636	SLD 15	-1257636	-2773209	0.105	Si
770	22.81	5.4	11.4	5.4						-1681858	SLD 15	-1463011	-2773209	0.105	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	24302	SLU 29	24302	9541	76908	0	9541	1	Si
23	0.201	7.6	0	22980	SLU 29	22980	9541	76908	23342	23342	1	Si
51	0.201	7.6	0	21286	SLU 29	21286	9541	76908	23342	23342	1	Si
103	0.159	7.6	0	18270	SLU 29	18270	9541	76908	18512	18512	1	Si
154	0.159	11.4	0	15255	SLU 29	15255	10922	76908	18512	18512	1	Si
205	0.159	11.4	0	12239	SLU 29	12239	10922	76908	18512	18512	1	Si
231	0.159	11.4	0	10731	SLU 29	10731	10922	76908	18512	18512	1	Si
282	0.159	11.4	0	7715	SLU 29	7715	10922	76908	18512	18512	1	Si
334	0.159	11.4	0	4700	SLU 29	4700	10922	76908	18512	18512	1	Si
385	0.159	11.4	0	1684	SLU 29	1684	10922	76908	18512	18512	1	Si
436	0.159	11.4	0	-1350	SLU 36	-1350	-10922	-76908	-18512	-18512	1	Si
488	0.159	11.4	0	-4360	SLU 30	-4360	-10922	-76908	-18512	-18512	1	Si
539	0.159	11.4	0	-7376	SLU 30	-7376	-10922	-76908	-18512	-18512	1	Si
590	0.159	11.4	0	-10391	SLU 30	-10391	-10922	-76908	-18512	-18512	1	Si
616	0.159	10	0	-11899	SLU 30	-11899	-10454	-76908	-18512	-18512	1	Si
667	0.159	11.4	0	-14915	SLU 30	-14915	-10922	-76908	-18512	-18512	1	Si
719	0.172	16.59	0	-17931	SLU 30	-17931	-12375	-76908	-20007	-20007	1	Si
742	0.172	21.43	0	-19331	SLU 30	-19331	-13477	-76908	-20007	-20007	1	Si
770	0	22.81	0	-20755	SLU 30	-20755	-13761	-76908	0	-13761	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	20597	SLV 1	21738	9541	76908	0	9541	1	Si
23	0.201	7.6	0	19712	SLV 1	20853	9541	76908	23342	23342	1	Si
51	0.201	7.6	0	18578	SLV 1	19720	9541	76908	23342	23342	1	Si
103	0.159	7.6	0	16559	SLV 1	17701	9541	76908	18512	18512	1	Si
154	0.159	7.6	0	14541	SLV 1	15682	9541	76908	18512	18512	1	Si
205	0.159	11.4	0	12522	SLV 1	13663	10922	76908	18512	18512	1	Si
231	0.159	11.4	0	11512	SLV 1	12654	10922	76908	18512	18512	1	Si
282	0.159	11.4	0	9494	SLV 1	10635	10922	76908	18512	18512	1	Si
282	0.159	11.4	0	713	SLV 15	-429	-10922	-76908	-18512	-18512	1	Si
334	0.159	11.4	0	7475	SLV 1	8616	10922	76908	18512	18512	1	Si
334	0.159	11.4	0	-1306	SLV 15	-2448	-10922	-76908	-18512	-18512	1	Si
385	0.159	11.4	0	5456	SLV 1	6598	10922	76908	18512	18512	1	Si
385	0.159	11.4	0	-3325	SLV 15	-4466	-10922	-76908	-18512	-18512	1	Si
436	0.159	11.4	0	3437	SLV 1	4579	10922	76908	18512	18512	1	Si
436	0.159	11.4	0	-5344	SLV 15	-6485	-10922	-76908	-18512	-18512	1	Si
488	0.159	11.4	0	1419	SLV 1	2560	10922	76908	18512	18512	1	Si
488	0.159	11.4	0	-7362	SLV 15	-8504	-10922	-76908	-18512	-18512	1	Si
539	0.159	11.4	0	-600	SLV 1	541	10922	76908	18512	18512	1	Si
539	0.159	11.4	0	-9381	SLV 15	-10523	-10922	-76908	-18512	-18512	1	Si
590	0.159	11.4	0	-11400	SLV 15	-12541	-10922	-76908	-18512	-18512	1	Si
616	0.159	7.6	0	-12409	SLV 15	-13551	-9541	-76908	-18512	-18512	1	Si
667	0.159	7.6	0	-14428	SLV 15	-15570	-9541	-76908	-18512	-18512	1	Si
719	0.172	16.59	0	-16447	SLV 15	-17588	-12375	-76908	-20007	-20007	1	Si
742	0.172	21.43	0	-17384	SLV 15	-18526	-13477	-76908	-20007	-20007	1	Si
770	0	22.81	0	-18341	SLV 15	-19483	-13761	-76908	0	-13761	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	18149	SLD 1	18149	9541	76908	0	9541	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
23	0.201	7.6	0	17264	SLD 1	17264	9541	76908	23342	23342	1	Si
51	0.201	7.6	0	16130	SLD 1	16130	9541	76908	23342	23342	1	Si
103	0.159	7.6	0	14112	SLD 1	14112	9541	76908	18512	18512	1	Si
154	0.159	7.6	0	12093	SLD 1	12093	9541	76908	18512	18512	1	Si
205	0.159	11.4	0	10074	SLD 1	10074	10922	76908	18512	18512	1	Si
231	0.159	11.4	0	9065	SLD 1	9065	10922	76908	18512	18512	1	Si
282	0.159	11.4	0	7046	SLD 1	7046	10922	76908	18512	18512	1	Si
334	0.159	11.4	0	5027	SLD 1	5027	10922	76908	18512	18512	1	Si
385	0.159	11.4	0	3008	SLD 1	3008	10922	76908	18512	18512	1	Si
385	0.159	11.4	0	-877	SLD 15	-877	-10922	-76908	-18512	-18512	1	Si
436	0.159	11.4	0	990	SLD 1	990	10922	76908	18512	18512	1	Si
436	0.159	11.4	0	-2896	SLD 15	-2896	-10922	-76908	-18512	-18512	1	Si
488	0.159	11.4	0	-4915	SLD 15	-4915	-10922	-76908	-18512	-18512	1	Si
539	0.159	11.4	0	-6933	SLD 15	-6933	-10922	-76908	-18512	-18512	1	Si
590	0.159	11.4	0	-8952	SLD 15	-8952	-10922	-76908	-18512	-18512	1	Si
616	0.159	10	0	-9962	SLD 15	-9962	-10454	-76908	-18512	-18512	1	Si
667	0.159	7.6	0	-11980	SLD 15	-11980	-9541	-76908	-18512	-18512	1	Si
719	0.172	16.59	0	-13999	SLD 15	-13999	-12375	-76908	-20007	-20007	1	Si
742	0.172	21.43	0	-14936	SLD 15	-14936	-13477	-76908	-20007	-20007	1	Si
770	0	22.81	0	-15894	SLD 15	-15894	-13761	-76908	0	-13761	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1886868	2	-1689481	46.6	124.5	1527.1	1837	-1714366	2	-1533447	42.3	93.4	0	+∞	Si
23	-1501401	2	-1501401	41.4	124.5	1357.1	1837	-1361081	2	-1361081	37.5	93.4	0	+∞	Si
51	-1035622	2	-1501401	45.5	124.5	1714.3	1837	-934259	2	-1361081	41.2	93.4	0	+∞	Si
103	-297135	2	-703113	15.8	124.5	243.8	1837	-257782	2	-629634	25.3	93.4	0	+∞	Si
154	329173	3	631645	22.9	124.5	940.5	1837	315067	2	592021	21.5	93.4	0	+∞	Si
205	841705	3	1080421	39.2	124.5	1608.6	1837	784286	2	1002556	36.4	93.4	0	+∞	Si
231	1055757	2	1262692	45.8	124.5	1880	1837	980035	2	1168962	42.4	93.4	0	+∞	Si
282	1399585	2	1542664	56	124.5	2296.9	1837	1293811	2	1424053	51.7	93.4	0	+∞	Si
334	1630652	2	1709876	62.1	124.5	2545.8	1837	1503958	2	1575515	57.2	93.4	0	+∞	Si
385	1748961	2	1765830	64.1	124.5	2629.1	1837	1610476	2	1624874	59	93.4	0	+∞	Si
436	1754509	2	1765830	64.1	124.5	2629.1	1837	1613364	2	1624874	59	93.4	0	+∞	Si
488	1647298	2	1720237	62.5	124.5	2561.3	1837	1512624	2	1580909	57.4	93.4	0	+∞	Si
539	1427327	2	1564122	56.8	124.5	2328.8	1837	1308255	2	1435225	52.1	93.4	0	+∞	Si
590	1094596	2	1295247	47	124.5	1928.5	1837	1000257	2	1185912	43.1	93.4	0	+∞	Si
616	885946	2	1118525	40.6	124.5	1665.4	1837	807397	2	1022394	37.1	93.4	0	+∞	Si
667	384076	2	680510	20.8	124.5	1004.8	1837	343955	2	617637	18.8	93.4	0	+∞	Si
719	-242469	9	-559586	15.3	124.5	426.6	1837	-223116	2	-522484	14.2	93.4	0	+∞	Si
742	-559586	3	-559586	15.3	124.5	426.6	1837	-522484	2	-522484	14.2	93.4	0	+∞	Si
770	-962305	3	-753461	20.5	124.5	574.4	1837	-893567	2	-701145	19.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.015	0.012	0.025	0.015	0.014	0.012	0.022	0.015	0.014	0.012	0.056	2	0.046	2	9999	Si
51	0.036	0.03	0.06	0.037	0.034	0.03	0.052	0.037	0.034	0.03	0.136	2	0.111	2	5661	Si
103	0.08	0.065	0.128	0.078	0.075	0.065	0.111	0.078	0.074	0.065	0.289	2	0.234	2	2666	Si
154	0.125	0.101	0.197	0.121	0.118	0.101	0.172	0.122	0.115	0.102	0.446	2	0.361	2	1726	Si
205	0.167	0.135	0.265	0.162	0.158	0.136	0.231	0.163	0.155	0.136	0.598	2	0.483	2	1287	Si
231	0.186	0.151	0.297	0.181	0.176	0.151	0.259	0.182	0.172	0.151	0.67	2	0.54	2	1149	Si
282	0.219	0.176	0.354	0.214	0.206	0.177	0.309	0.215	0.202	0.177	0.797	2	0.641	2	966	Si
334	0.241	0.193	0.396	0.239	0.227	0.194	0.345	0.24	0.222	0.194	0.887	2	0.712	2	868	Si
385	0.251	0.201	0.418	0.25	0.236	0.202	0.364	0.252	0.231	0.202	0.93	2	0.745	2	828	Si
411	0.252	0.201	0.419	0.251	0.237	0.202	0.365	0.253	0.232	0.202	0.932	2	0.745	2	826	Si
436	0.249	0.199	0.414	0.247	0.234	0.2	0.36	0.249	0.229	0.2	0.921	2	0.735	2	836	Si
488	0.234	0.186	0.386	0.23	0.22	0.187	0.335	0.232	0.215	0.187	0.859	2	0.684	2	896	Si
539	0.207	0.165	0.335	0.2	0.195	0.165	0.292	0.202	0.19	0.166	0.751	2	0.594	2	1026	Si
590	0.17	0.135	0.27	0.161	0.16	0.135	0.235	0.163	0.156	0.136	0.604	2	0.478	2	1274	Si
616	0.148	0.117	0.233	0.14	0.139	0.118	0.203	0.141	0.136	0.118	0.523	2	0.413	2	1473	Si
667	0.1	0.079	0.157	0.094	0.094	0.08	0.136	0.095	0.092	0.08	0.351	2	0.277	2	2196	Si
719	0.049	0.039	0.078	0.046	0.046	0.039	0.067	0.047	0.045	0.039	0.174	2	0.137	2	4434	Si
742	0.026	0.02	0.041	0.024	0.024	0.02	0.036	0.025	0.024	0.02	0.092	2	0.073	2	8362	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	15321	5532	23342	SLV 1	0.52	1856	1.481	-1361081	-1519134	-2323187	SLV 1	0.24	253	0.654	No
51	14188	5532	23342	SLV 1	0.57	2474	1.666	-1361081	-1519134	-1840168	SLV 1	0.12	61	0.365	No
103	12169	5532	18512	SLV 1	0.42	995	1.147	-629634	-1296482	-970824	SLV 1	0.1	43	0.316	No
154	10150	5532	18512	SLV 1	0.54	2076	1.551	1899	-1073492	-970824	SLV 1	0.33	561	0.907	No
205	8131	5532	18512	SLV 1	0.57	2474	1.666	1002556	603791	1422093	SLV 15	0.26	309	0.71	No
231	7122	5532	18512	SLV 1	0.57	2474	1.666	1168962	496678	1422093	SLV 15	0.19	159	0.541	No
282	5103	5532	18512	SLV 1	0.57	2474	1.666	1424053	-295542	1422093	SLV 1	0	0	0	No
334	3084	5532	18512	SLV 1	0.57	2474	1.666	1575515	-128067	1422093	SLV 1	0	0	0	No
385	1066	5532	18512	SLV 1	0.57	2474	1.666	1623348	249125	1422093	SLV 1	0	0	0	No
436	-953	-5532	-18512	SLV 15	0.57	2474	1.666	1567551	441089	1422093	SLV 1	0	0	0	No
488	-2972	-5532	-18512	SLV 15	0.57	2474	1.666	1423393	670132	1422093	SLV 1	0	0	0	No
539	-4991	-5532	-18512	SLV 15	0.57	2474	1.666	1423393	670132	1422093	SLV 1	0	0	0	No
590	-7009	-5532	-18512	SLV 15	0.57	2474	1.666	1185912	874664	1422093	SLV 1	0.1	45	0.322	No
616	-8019	-5532	-18512	SLV 15	0.57	2474	1.666	1022394	985194	1422093	SLV 1	0.15	100	0.447	No
667	-10037	-5532	-18512	SLV 15	0.55	2151	1.573	617637	1207473	1422107	SLV 1	0.25	282	0.684	No
719	-12056	-5532	-20007	SLV 15	0.51	1814	1.467	109251	1430739	1422107	SLV 1	0.33	578	0.918	No
742	-12993	-5532	-20007	SLV 15	0.46	1298	1.279	-522484	1661439	1422107	SLV 1	0.42	1051	1.173	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	15321	1943	23342	SLD 1	0.55	2147	3.956	-1361081	-672257	-2323187	SLD 1	0.2	172	1.405	Si
51	14188	1943	23342	SLD 1	0.6	2474	4.193	-1361081	-672257	-1840168	SLD 1	0.1	42	0.788	No
103	12169	1943	18512	SLD 1	0.44	1149	3.062	-629634	-573731	-970824	SLD 1	0.08	29	0.677	No
154	10150	1943	18512	SLD 1	0.57	2400	4.141	1899	-475055	-970824	SLD 1	0.28	375	1.935	Si
205	8131	1943	18512	SLD 1	0.6	2474	4.193	1002556	267201	1422093	SLD 15	0.22	209	1.522	Si
231	7122	1943	18512	SLD 1	0.6	2474	4.193	1168962	219799	1422093	SLD 15	0.16	110	1.17	Si
282	5103	1943	18512	SLD 1	0.6	2474	4.193	1424053	-130776	1422093	SLD 1	0	0	0	No

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
334	3084	1943	18512	SLD 1	0.6	2474	4.193	1575515	-56634	1422093	SLD 1	0	0	0	No
385	1066	1943	18512	SLD 1	0.6	2474	4.193	1623348	110174	1422093	SLD 1	0	0	0	No
436	-953	-1943	-18512	SLD 15	0.6	2474	4.193	1575948	189162	1422093	SLD 1	0	0	0	No
488	-2972	-1943	-18512	SLD 15	0.6	2474	4.193	1575948	189162	1422093	SLD 1	0	0	0	No
539	-4991	-1943	-18512	SLD 15	0.6	2474	4.193	1435225	288222	1422093	SLD 1	0	0	0	No
590	-7009	-1943	-18512	SLD 15	0.6	2474	4.193	1185912	386995	1422093	SLD 1	0.08	30	0.687	No
616	-8019	-1943	-18512	SLD 15	0.6	2474	4.193	1022394	435907	1422093	SLD 1	0.13	70	0.972	No
667	-10037	-1943	-18512	SLD 15	0.57	2474	4.193	617637	534268	1422107	SLD 1	0.21	192	1.47	Si
719	-12056	-1943	-20007	SLD 15	0.54	2097	3.918	109251	633066	1422107	SLD 1	0.28	386	1.958	Si
742	-12993	-1943	-20007	SLD 15	0.48	1499	3.414	-522484	735152	1422107	SLD 1	0.36	676	2.463	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 70-25D

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 70 - 67, sezione R 45x70, asta 802

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	26.61	5.4						-284542	SLU 30	-266586	-3671789	0.101	Si
20	30.41	5.4	26.61	5.4						-253820	SLU 30	-253762	-3671789	0.101	Si
23	30.41	5.4	26.61	5.4						-251138	SLU 30	-251138	-3671789	0.101	Si
41	30.41	5.4	26.61	5.4						-227401	SLU 30	-251138	-3671789	0.101	Si
61	30.41	5.4	26.61	5.4						-205284	SLU 30	-237996	-3671789	0.101	Si
82	30.41	5.4	25.86	5.4						-187469	SLU 30	-214080	-3671859	0.102	Si
92	30.41	5.4	23.79	5.4						-180175	SLU 30	-203736	-3671942	0.103	Si
113	30.41	5.4	15.21	5.4						-168814	SLU 30	-186274	-3671293	0.114	Si
133	25.42	5.4	15.21	5.4						-161794	SLU 29	-173114	-3081981	0.105	Si
154	19.62	5.4	15.21	5.4						-159096	SLU 29	-164271	-2395975	0.095	Si
174	7.6	5.4	15.21	5.4						-160700	SLU 29	-170425	-971252	0.079	Si
184	7.6	5.4	15.21	5.4						-163116	SLU 29	-175891	-971252	0.079	Si
195	13.21	7.1	15.21	5.4						-166607	SLU 29	-182432	-1591362	0.088	Si
215	20.8	7.9	15.21	5.4						-176816	SLU 29	-199061	-2430180	0.101	Si
236	26.6	8.3	15.21	5.4						-191349	SLU 20	-220383	-3069447	0.112	Si
246	28.05	8.3	19.12	5.4						-200573	SLU 20	-232657	-3229342	0.109	Si
266	30.41	8.4	21.88	5.4						-222247	SLU 20	-245584	-3489718	0.11	Si
285	30.41	8.4	22.81	5.4						-245584	SLU 20	-245584	-3489861	0.109	Si
287	30.41	8.4	22.81	5.4						-248223	SLU 20	-248167	-3489861	0.109	Si
307	30.41	8.4	22.81	5.4						-278502	SLU 20	-260789	-3489861	0.109	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	26.61	5.4	3352280	SLV 11	3149098	3222077	0.095	-3769881	SLV 5	-3539547	-3671789	0.101	Si
20	30.41	5.4	26.61	5.4	2979840	SLV 11	2978236	3222077	0.095	-3351038	SLV 5	-3349348	-3671789	0.101	Si
23	30.41	5.4	26.61	5.4	2943271	SLV 11	2943271	3222077	0.095	-3310425	SLV 5	-3310425	-3671789	0.101	Si
41	30.41	5.4	26.61	5.4	2604213	SLV 11	2943271	3222077	0.095	-2935624	SLV 5	-3310425	-3671789	0.101	Si
61	30.41	5.4	26.61	5.4	2225433	SLV 11	2761575	3222077	0.095	-2523679	SLV 5	-3108927	-3671789	0.101	Si
82	30.41	5.4	25.86	5.4	1843555	SLV 11	2384108	3133382	0.095	-2115253	SLV 5	-2695527	-3671859	0.102	Si
92	30.41	5.4	23.79	5.4	1651478	SLV 11	2194200	2888441	0.093	-1912384	SLV 5	-2490135	-3671942	0.103	Si
113	30.41	5.4	15.21	5.4	1265119	SLV 11	1812073	1872209	0.086	-1509407	SLV 5	-2082002	-3671293	0.114	Si
133	25.42	5.4	15.21	5.4	875984	SLV 11	1426938	1872343	0.087	-1110271	SLV 5	-1677481	-3081981	0.105	Si
154	19.62	5.4	15.21	5.4	484502	SLV 11	1038938	1872534	0.088	-715408	SLV 5	-1276714	-2395975	0.095	Si
174	7.6	5.4	15.21	5.4	137580	SLV 15	648363	1873491	0.092	-371724	SLV 1	-879991	-971252	0.079	Si
195	13.21	7.1	15.21	5.4	178264	SLV 9	700719	1919287	0.107	-422266	SLV 7	-970159	-1591362	0.088	Si
215	20.8	7.9	15.21	5.4	546481	SLV 9	1069694	1945190	0.122	-806958	SLV 7	-1364996	-2430180	0.101	Si
236	26.6	8.3	15.21	5.4	915438	SLV 9	1438681	1949352	0.127	-1199010	SLV 7	-1766463	-3069447	0.112	Si
246	28.05	8.3	19.12	5.4	1099933	SLV 9	1623089	2385670	0.133	-1397534	SLV 7	-1969593	-3229342	0.109	Si
266	30.41	8.4	21.88	5.4	1468917	SLV 9	1801589	2692891	0.138	-1799542	SLV 7	-2167826	-3489718	0.11	Si
285	30.41	8.4	22.81	5.4	1801589	SLV 9	1801589	2795460	0.139	-2167826	SLV 7	-2167826	-3489861	0.109	Si
287	30.41	8.4	22.81	5.4	1837535	SLV 9	1834280	2795460	0.139	-2207801	SLV 7	-2204461	-3489861	0.109	Si
307	30.41	8.4	22.81	5.4	2205104	SLV 9	1994032	2795460	0.139	-2621631	SLV 7	-2383486	-3489861	0.109	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	26.61	5.4	1367115	SLD 11	1284768	3222077	0.095	-1784716	SLD 5	-1675217	-3671789	0.101	Si
20	30.41	5.4	26.61	5.4	1215231	SLD 11	1214545	3222077	0.095	-1586428	SLD 5	-1585656	-3671789	0.101	Si
23	30.41	5.4	26.61	5.4	1200174	SLD 11	1200174	3222077	0.095	-1567329	SLD 5	-1567329	-3671789	0.101	Si
41	30.41	5.4	26.61	5.4	1060090	SLD 11	1200174	3222077	0.095	-1391502	SLD 5	-1567329	-3671789	0.101	Si
61	30.41	5.4	26.61	5.4	901710	SLD 11	1125286	3222077	0.095	-1199956	SLD 5	-1472638	-3671789	0.101	Si
82	30.41	5.4	25.86	5.4	740114	SLD 11	968258	3133382	0.095	-1011812	SLD 5	-1279677	-3671859	0.102	Si
92	30.41	5.4	23.79	5.4	658120	SLD 11	888533	2888441	0.093	-919027	SLD 5	-1184467	-3671942	0.103	Si
113	30.41	5.4	15.21	5.4	491774	SLD 11	726675	1872209	0.086	-736062	SLD 5	-996604	-3671293	0.114	Si
133	25.42	5.4	15.21	5.4	322354	SLD 11	561641	1872343	0.087	-556641	SLD 5	-812185	-3081981	0.105	Si
154	19.62	5.4	15.21	5.4	150050	SLD 11	393495	1872534	0.088	-380957	SLD 5	-631271	-2395975	0.095	Si
174	7.6	5.4	15.21	5.4	-4379	SLD 15	222364	1873491	0.092	-229765	SLD 1	-453992	-971252	0.079	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
195	13.21	7.1	15.21	5.4	10878	SLD 9	234995	1919287	0.107	-254879	SLD 7	-504434	-1591362	0.088	Si
215	20.8	7.9	15.21	5.4	169236	SLD 9	391072	1945190	0.122	-429713	SLD 7	-686373	-2430180	0.101	Si
236	26.6	8.3	15.21	5.4	326077	SLD 9	545309	1949352	0.127	-609649	SLD 7	-873091	-3069447	0.112	Si
246	28.05	8.3	19.12	5.4	403813	SLD 9	621698	2385670	0.133	-701414	SLD 7	-968203	-3229342	0.109	Si
266	30.41	8.4	21.88	5.4	557898	SLD 9	695191	2692891	0.138	-888522	SLD 7	-1061428	-3489718	0.11	Si
285	30.41	8.4	22.81	5.4	695191	SLD 9	695191	2795460	0.139	-1061428	SLD 7	-1061428	-3489861	0.109	Si
287	30.41	8.4	22.81	5.4	709976	SLD 9	708559	2795460	0.139	-1080242	SLD 7	-1078740	-3489861	0.109	Si
307	30.41	8.4	22.81	5.4	859745	SLD 9	773884	2795460	0.139	-1276272	SLD 7	-1163338	-3489861	0.109	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	1612	SLU 36	1612	15146	76908	0	15146	1	Si
20	0	30.41	0	1402	SLU 36	1402	15146	76908	0	15146	1	Si
23	0.23	30.41	0	1382	SLU 36	1382	15146	76908	26676	26676	1	Si
41	0.23	30.41	0	1192	SLU 36	1192	15146	76908	26676	26676	1	Si
61	0.23	28.32	0	982	SLU 36	982	14790	76908	26676	26676	1	Si
82	0.23	22.52	0	773	SLU 36	773	13703	76908	26676	26676	1	Si
92	0.23	19.62	0	668	SLU 36	668	13087	76908	26676	26676	1	Si
113	0.222	7.6	0	458	SLU 36	458	9541	76908	25724	25724	1	Si
133	0.222	13.21	0	248	SLU 36	248	11470	76908	25724	25724	1	Si
154	0.222	20.8	0	56	SLU 18	56	13344	76908	25724	25724	1	Si
154	0.222	20.8	0	-38	SLU 19	-38	-13344	-76908	-25724	-25724	1	Si
174	0.222	26.6	0	-248	SLU 19	-248	-14484	-76908	-25724	-25724	1	Si
195	0.222	25.42	0	-458	SLU 19	-458	-14083	-74887	-25048	-25048	1	Si
215	0.23	19.62	0	-668	SLU 19	-668	-12835	-73887	-25628	-25628	1	Si
236	0.23	7.6	0	-878	SLU 19	-878	-9333	-73507	-25497	-25497	1	Si
246	0.23	7.6	0	-983	SLU 19	-983	-9329	-73437	-25472	-25472	1	Si
266	0.23	14.66	0	-1192	SLU 19	-1192	-11604	-73337	-25438	-25438	1	Si
285	0.23	23.7	0	-1382	SLU 19	-1382	-13619	-73337	-25438	-25438	1	Si
287	0	23.7	0	-1402	SLU 19	-1402	-13619	-73337	0	-13619	1	Si
307	0	28.05	0	-1612	SLU 19	-1612	-14405	-73337	0	-14405	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	20544	SLV 5	25570	15146	76908	0	15146	1	Si
0	0	26.61	0	-18119	SLV 11	-23145	-14486	-76908	0	-14486	1	Si
20	0	30.41	0	20382	SLV 5	25408	15146	76908	0	15146	1	Si
20	0	25.86	0	-18280	SLV 11	-23306	-14349	-76908	0	-14349	1	Si
23	0.23	30.41	0	20366	SLV 5	25392	15146	76908	26676	26676	1	Si
23	0.23	25.86	0	-18296	SLV 11	-23322	-14349	-76908	-26676	-26676	1	Si
41	0.23	30.41	0	20221	SLV 5	25247	15146	76908	26676	26676	1	Si
41	0.23	21.72	0	-18441	SLV 11	-23467	-13538	-76908	-26676	-26676	1	Si
61	0.23	28.32	0	20059	SLV 5	25085	14790	76908	26676	26676	1	Si
61	0.23	15.21	0	-18603	SLV 11	-23629	-12021	-76908	-26676	-26676	1	Si
82	0.23	22.52	0	19898	SLV 5	24924	13703	76908	26676	26676	1	Si
82	0.23	15.21	0	-18764	SLV 11	-23790	-12021	-76908	-26676	-26676	1	Si
92	0.23	19.62	0	19817	SLV 5	24843	13087	76908	26676	26676	1	Si
92	0.23	15.21	0	-18845	SLV 11	-23871	-12021	-76908	-26676	-26676	1	Si
113	0.222	7.6	0	19656	SLV 5	24682	9541	76908	25724	25724	1	Si
113	0.222	15.21	0	-19006	SLV 11	-24033	-12021	-76908	-25724	-25724	1	Si
133	0.222	13.21	0	19494	SLV 5	24520	11470	76908	25724	25724	1	Si
133	0.222	15.21	0	-19168	SLV 11	-24194	-12021	-76908	-25724	-25724	1	Si
154	0.222	20.8	0	19333	SLV 5	24359	13344	76908	25724	25724	1	Si
154	0.222	15.21	0	-19329	SLV 11	-24355	-12021	-76908	-25724	-25724	1	Si
174	0.222	26.6	0	19171	SLV 5	24197	14484	76908	25724	25724	1	Si
174	0.222	15.21	0	-19491	SLV 11	-24517	-12021	-76908	-25724	-25724	1	Si
195	0.222	15.21	0	19010	SLV 5	24036	12021	76908	25724	25724	1	Si
195	0.222	25.42	0	-19652	SLV 11	-24678	-14083	-74887	-25048	-25048	1	Si
215	0.23	15.21	0	18848	SLV 5	23875	12021	76908	26676	26676	1	Si
215	0.23	19.62	0	-19814	SLV 11	-24840	-12835	-73887	-25628	-25628	1	Si
236	0.23	15.21	0	18687	SLV 5	23713	12021	76908	26676	26676	1	Si
236	0.23	7.6	0	-19975	SLV 11	-25001	-9333	-73507	-25497	-25497	1	Si
246	0.23	15.21	0	18606	SLV 5	23632	12021	76908	26676	26676	1	Si
246	0.23	7.6	0	-20056	SLV 11	-25082	-9329	-73437	-25472	-25472	1	Si
266	0.23	15.21	0	18445	SLV 5	23471	12021	76908	26676	26676	1	Si
266	0.23	14.66	0	-20217	SLV 11	-25243	-11604	-73337	-25438	-25438	1	Si
285	0.23	15.21	0	18299	SLV 5	23325	12021	76908	26676	26676	1	Si
285	0.23	23.7	0	-20363	SLV 11	-25389	-13619	-73337	-25438	-25438	1	Si
287	0	15.21	0	18283	SLV 5	23310	12021	76908	0	12021	1	Si
287	0	23.7	0	-20379	SLV 11	-25405	-13619	-73337	0	-13619	1	Si
307	0	19.12	0	18122	SLV 5	23148	12976	76908	0	12976	1	Si
307	0	28.05	0	-20540	SLV 11	-25566	-14405	-73337	0	-14405	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	9767	SLD 5	9767	15146	76908	0	15146	1	Si
0	0	26.61	0	-7342	SLD 11	-7342	-14486	-76908	0	-14486	1	Si
20	0	30.41	0	9606	SLD 5	9606	15146	76908	0	15146	1	Si
20	0	25.86	0	-7504	SLD 11	-7504	-14349	-76908	0	-14349	1	Si
23	0.23	30.41	0	9590	SLD 5	9590	15146	76908	26676	26676	1	Si
23	0.23	25.86	0	-7519	SLD 11	-7519	-14349	-76908	-26676	-26676	1	Si
41	0.23	30.41	0	9444	SLD 5	9444	15146	76908	26676	26676	1	Si
41	0.23	21.72	0	-7665	SLD 11	-7665	-13538	-76908	-26676	-26676	1	Si
61	0.23	28.32	0	9283	SLD 5	9283	14790	76908	26676	26676	1	Si
61	0.23	15.21	0	-7827	SLD 11	-7827	-12021	-76908	-26676	-26676	1	Si
82	0.23	22.52	0	9122	SLD 5	9122	13703	76908	26676	26676	1	Si
82	0.23	15.21	0	-7988	SLD 11	-7988	-12021	-76908	-26676	-26676	1	Si
92	0.23	19.62	0	9041	SLD 5	9041	13087	76908	26676	26676	1	Si
92	0.23	15.21	0	-8069	SLD 11	-8069	-12021	-76908	-26676	-26676	1	Si
113	0.222	7.6	0	8879	SLD 5	8879	9541	76908	25724	25724	1	Si
113	0.222	15.21	0	-8230	SLD 11	-8230	-12021	-76908	-25724	-25724	1	Si
133	0.222	13.21	0	8718	SLD 5	8718	11470	76908	25724	25724	1	Si
133	0.222	15.21	0	-8392	SLD 11	-8392	-12021	-76908	-25724	-25724	1	Si
154	0.222	20.8	0	8556	SLD 5	8556	13344	76908	25724	25724	1	Si
154	0.222	15.21	0	-8553	SLD 11	-8553	-12021	-76908	-25724	-25724	1	Si
174	0.222	26.6	0	8395	SLD 5	8395	14484	76908	25724	25724	1	Si
174	0.222	26.6	0	-8714	SLD 11	-8714	-14484	-76908	-25724	-25724	1	Si
195	0.222	25.42	0	8234	SLD 5	8234	14083	74887	25048	25048	1	Si
195	0.222	25.42	0	-8876	SLD 11	-8876	-14083	-74887	-25048	-25048	1	Si
215	0.23	15.21	0	8072	SLD 5	8072	12021	76908	26676	26676	1	Si
215	0.23	19.62	0	-9037	SLD 11	-9037	-12835	-73887	-25628	-25628	1	Si
236	0.23	15.21	0	7911	SLD 5	7911	12021	76908	26676	26676	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
236	0.23	7.6	0	-9199	SLD 11	-9199	-9333	-73507	-25497	-25497	1	Si
246	0.23	15.21	0	7830	SLD 5	7830	12021	76908	26676	26676	1	Si
246	0.23	7.6	0	-9279	SLD 11	-9279	-9329	-73437	-25472	-25472	1	Si
266	0.23	15.21	0	7669	SLD 5	7669	12021	76908	26676	26676	1	Si
266	0.23	14.66	0	-9441	SLD 11	-9441	-11604	-73337	-25438	-25438	1	Si
285	0.23	15.21	0	7523	SLD 5	7523	12021	76908	26676	26676	1	Si
285	0.23	23.7	0	-9587	SLD 11	-9587	-13619	-73337	-25438	-25438	1	Si
287	0	15.21	0	7507	SLD 5	7507	12021	76908	0	12021	1	Si
287	0	23.7	0	-9602	SLD 11	-9602	-13619	-73337	0	-13619	1	Si
307	0	19.12	0	7346	SLD 5	7346	12976	76908	0	12976	1	Si
307	0	28.05	0	-9764	SLD 11	-9764	-14405	-73337	0	-14405	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-214826	3	-201138	4.2	124.5	114.5	1837	-208801	2	-195225	4.1	93.4	0	+∞	Si
20	-191420	3	-191376	4	124.5	108.9	1837	-185599	2	-185556	3.9	93.4	0	+∞	Si
23	-189378	3	-189378	4	124.5	107.8	1837	-183577	2	-183577	3.9	93.4	0	+∞	Si
41	-171322	3	-189378	4	124.5	107.8	1837	-165706	2	-183577	3.9	93.4	0	+∞	Si
61	-154535	3	-179378	3.8	124.5	102.1	1837	-149123	2	-173676	3.7	93.4	0	+∞	Si
82	-141057	3	-161207	3.4	124.5	91.8	1837	-135849	2	-155709	3.3	93.4	0	+∞	Si
92	-135559	3	-153362	3.3	124.5	87.5	1837	-130453	2	-147967	3.2	93.4	0	+∞	Si
113	-127045	3	-140156	3.3	124.5	80.8	1837	-122144	2	-134965	3.2	93.4	0	+∞	Si
133	-121866	2	-130258	3.3	124.5	89.1	1837	-117144	2	-125272	3.2	93.4	0	+∞	Si
154	-120010	2	-123680	3.4	124.5	108.4	1837	-115453	2	-118888	3.2	93.4	0	+∞	Si
174	-121464	2	-129256	2.8	124.5	44.1	1837	-117072	2	-125099	4.8	93.4	0	+∞	Si
195	-126227	2	-138712	4.5	124.5	189.7	1837	-122001	2	-134720	4.4	93.4	0	+∞	Si
215	-134299	2	-151477	4.3	124.5	138.8	1837	-130238	2	-147651	4.2	93.4	0	+∞	Si
236	-145681	2	-167552	4.5	124.5	123.4	1837	-141786	2	-163891	4.4	93.4	0	+∞	Si
246	-152613	2	-176831	4.4	124.5	123.5	1837	-148801	2	-173252	4.3	93.4	0	+∞	Si
266	-168959	2	-186617	4.4	124.5	120.8	1837	-165312	2	-183119	4.4	93.4	0	+∞	Si
285	-186617	2	-186617	4.4	124.5	120.6	1837	-183119	2	-183119	4.3	93.4	0	+∞	Si
287	-188615	2	-188573	4.4	124.5	121.9	1837	-185133	2	-185091	4.4	93.4	0	+∞	Si
307	-211580	2	-198134	4.7	124.5	128.1	1837	-208264	2	-194727	4.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
41	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
61	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	1	-0.005	1	9999	Si
82	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
92	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
113	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.007	1	-0.007	1	9999	Si
133	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.007	1	-0.008	1	9999	Si
154	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
164	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
174	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.007	1	-0.008	1	9999	Si
195	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.007	1	-0.008	1	9999	Si
215	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
236	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
246	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	1	-0.005	1	9999	Si
266	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
285	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
287	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1035	24357	26676	SLV 5	0.38	806	1.052	-183577	3126848	3222077	SLV 11	0.39	876	1.089	Si
41	890	24357	26676	SLV 5	0.38	818	1.059	-183577	3126848	3222077	SLV 11	0.39	876	1.089	Si
61	728	24357	26676	SLV 5	0.39	830	1.065	-173676	2935251	3222077	SLV 11	0.42	1019	1.158	Si
82	567	24357	26676	SLV 5	0.39	843	1.072	-155709	2539818	3133382	SLV 11	0.47	1373	1.309	Si
92	486	24357	26676	SLV 5	0.39	849	1.075	-147967	2342168	2888441	SLV 11	0.47	1377	1.311	Si
113	325	24357	25724	SLV 5	0.38	788	1.042	-134965	1947038	1872209	SLV 11	0.37	766	1.03	Si
133	163	24357	25724	SLV 5	0.38	800	1.049	-125272	1552210	1872343	SLV 11	0.46	1351	1.3	Si
154	2	24357	25724	SLV 5	0.38	813	1.056	-118888	1157826	1872534	SLV 11	0.57	2474	1.666	Si
174	-160	-24357	-25724	SLV 11	0.38	800	1.049	-115814	-764177	-971252	SLV 5	0.41	937	1.119	Si
195	-321	-24357	-25048	SLV 11	0.37	738	1.015	-134720	-835439	-1591362	SLV 7	0.57	2474	1.666	Si
215	-483	-24357	-25628	SLV 11	0.38	769	1.032	-147651	1217345	1945190	SLV 9	0.57	2474	1.666	Si
236	-644	-24357	-25497	SLV 11	0.37	747	1.02	-163891	1602572	1949352	SLV 9	0.47	1441	1.335	Si
246	-725	-24357	-25472	SLV 11	0.37	740	1.016	-173252	1796341	2385670	SLV 9	0.51	1771	1.453	Si
266	-886	-24357	-25438	SLV 11	0.37	725	1.007	-183119	1984707	2692891	SLV 9	0.52	1854	1.48	Si
285	-1032	-24357	-25438	SLV 11	0.36	715	1.002	-183119	1984707	2795460	SLV 9	0.54	2036	1.538	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1035	8555	26676	SLD 5	0.4	917	2.791	-183577	1383751	3222077	SLD 11	0.33	568	2.294	Si
41	890	8555	26676	SLD 5	0.4	931	2.809	-183577	1383751	3222077	SLD 11	0.33	568	2.294	Si
61	728	8555	26676	SLD 5	0.41	945	2.826	-173676	1298962	3222077	SLD 11	0.35	658	2.436	Si
82	567	8555	26676	SLD 5	0.41	959	2.843	-155709	1123968	3133382	SLD 11	0.39	866	2.727	Si
92	486	8555	26676	SLD 5	0.41	966	2.851	-147967	1036500	2888441	SLD 11	0.39	868	2.729	Si
113	325	8555	25724	SLD 5	0.4	897	2.766	-134965	861640	1872209	SLD 11	0.32	498	2.173	Si
133	163	8555	25724	SLD 5	0.4	910	2.782	-125272	686913	1872343	SLD 11	0.39	852	2.708	Si
154	2	8555	25724	SLD 5	0.4	925	2.801	-118888	512383	1872534	SLD 11	0.52	1827	3.703	Si
174	-160	-8555	-25724	SLD 11	0.4	910	2.782	-115814	-338178	-971252	SLD 5	0.34	608	2.358	Si
195	-321	-8555	-25048	SLD 11	0.39	840	2.693	-134720	-369714	-1591362	SLD 7	0.52	1895	3.759	Si
215	-483	-8555	-25628	SLD 11	0.39	875	2.738	-147651	538722	1945190	SLD 9	0.51	1824	3.7	Si
236	-644	-8555	-25497	SLD 11	0.39	850	2.706	-163891	709200	1949352	SLD 9	0.4	905	2.776	Si
246	-725	-8555	-25472	SLD 11	0.39	842	2.695	-173252	794951	2385670	SLD 9	0.43	1106	3.014	Si
266	-886	-8555	-25438	SLD 11	0.39	825	2.673	-183119	878310	2692891	SLD 9	0.44	1158	3.071	Si
285	-1032	-8555	-25438	SLD 11	0.38	814	2.658	-183119	878310	2795460	SLD 9	0.45	1270	3.19	Si

Campata 3 tra i fili 67 - 64, sezione R 45x70, asta 803

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	8.4	22.81	5.4						-230148	SLU 29	-220077	-3489861	0.109	Si
18	30.41	8.4	22.81	5.4						-215526	SLU 29	-215223	-3489861	0.109	Si
23	30.41	8.4	22.81	5.4						-212493	SLU 29	-212493	-3489861	0.109	Si
36	30.41	8.4	22.81	5.4						-204222	SLU 29	-212493	-3489861	0.109	Si
54	29.11	8.4	20.67	5.4						-196234	SLU 29	-210855	-3346194	0.109	Si
72	26.56	8.3	18.24	5.4						-191564	SLU 29	-200827	-3065609	0.108	Si
81	25.29	8.2	15.21	5.4						-190472	SLU 29	-197057	-2925391	0.109	Si
99	18.11	7.7	15.21	5.4						-190777	SLU 29	-198347	-2133292	0.096	Si
117	15.57	7.4	15.21	5.4						-194399	SLU 29	-207325	-1852007	0.092	Si
135	13.02	7.1	15.21	5.4						-201337	SLU 29	-219621	-1570644	0.088	Si
153	7.6	5.4	15.21	5.4						-211593	SLU 29	-235233	-971252	0.079	Si
171	21.46	6.3	15.21	5.4						-225165	SLU 29	-254253	-2576665	0.099	Si
189	26.55	6.4	15.21	5.4						-242055	SLU 29	-276682	-3165089	0.108	Si
207	30.41	6.4	18.92	5.4						-262422	SLU 30	-302428	-3611126	0.11	Si
216	30.41	6.4	20.13	5.4						-273861	SLU 30	-316545	-3611139	0.108	Si
234	30.41	6.4	22.56	5.4						-299225	SLU 30	-320529	-3611203	0.106	Si
247	30.41	6.4	22.81	5.4						-320529	SLU 30	-320529	-3611307	0.106	Si
252	30.41	6.4	22.81	5.4						-327907	SLU 30	-327169	-3611307	0.106	Si
270	30.41	6.4	22.81	5.4						-359905	SLU 30	-338973	-3611307	0.106	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	8.4	22.81	5.4	2792018	SLV 7	2569094	2795460	0.139	-3114010	SLV 9	-2875356	-3489861	0.109	Si
18	30.41	8.4	22.81	5.4	2433815	SLV 7	2424907	2795460	0.139	-2732936	SLV 9	-2723551	-3489861	0.109	Si
23	30.41	8.4	22.81	5.4	2343802	SLV 7	2343802	2795460	0.139	-2638161	SLV 9	-2638161	-3489861	0.109	Si
36	30.41	8.4	22.81	5.4	2073147	SLV 7	2343802	2795460	0.139	-2354499	SLV 9	-2638161	-3489861	0.109	Si
54	29.11	8.4	20.67	5.4	1710049	SLV 7	2295194	2557315	0.136	-1978736	SLV 9	-2586982	-3346194	0.109	Si
72	26.56	8.3	18.24	5.4	1344579	SLV 7	1933586	2287147	0.131	-1605702	SLV 9	-2209571	-3065609	0.108	Si
81	25.29	8.2	15.21	5.4	1160982	SLV 7	1751875	1948660	0.126	-1420238	SLV 9	-2021871	-2925391	0.109	Si
99	18.11	7.7	15.21	5.4	792157	SLV 7	1386675	1942093	0.119	-1051505	SLV 9	-1648521	-2133292	0.096	Si
117	15.57	7.4	15.21	5.4	421387	SLV 7	1019187	1936475	0.114	-685929	SLV 9	-1277987	-1852007	0.092	Si
135	13.02	7.1	15.21	5.4	49372	SLV 7	649579	1917826	0.107	-324213	SLV 9	-910436	-1570644	0.088	Si
153	7.6	5.4	15.21	5.4	91912	SLV 5	651221	1873491	0.092	-382153	SLV 11	-977223	-971252	0.079	No
171	21.46	6.3	15.21	5.4	437582	SLV 5	999827	1910715	0.094	-748328	SLV 11	-1354574	-2576665	0.099	Si
189	26.55	6.4	15.21	5.4	785264	SLV 5	1348800	1924306	0.095	-1121617	SLV 11	-1737395	-3165089	0.108	Si
207	30.41	6.4	18.92	5.4	1134229	SLV 9	1696848	2374364	0.099	-1501291	SLV 7	-2124395	-3611126	0.11	Si
216	30.41	6.4	20.13	5.4	1308717	SLV 9	1870274	2517684	0.101	-1693047	SLV 7	-2319210	-3611139	0.108	Si
234	30.41	6.4	22.56	5.4	1656935	SLV 9	1917002	2804365	0.104	-2079630	SLV 7	-2371978	-3611203	0.106	Si
247	30.41	6.4	22.81	5.4	1917002	SLV 9	1917002	2834049	0.104	-2371978	SLV 7	-2371978	-3611307	0.106	Si
252	30.41	6.4	22.81	5.4	2003535	SLV 9	1995216	2834049	0.104	-2469697	SLV 7	-2460260	-3611307	0.106	Si
270	30.41	6.4	22.81	5.4	2348111	SLV 9	2134263	2834049	0.104	-2862843	SLV 7	-2617204	-3611307	0.106	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	8.4	22.81	5.4	1145823	SLD 7	1051555	2795460	0.139	-1467815	SLD 9	-1357817	-3489861	0.109	Si
18	30.41	8.4	22.81	5.4	993680	SLD 7	989870	2795460	0.139	-1292801	SLD 9	-1288515	-3489861	0.109	Si
23	30.41	8.4	22.81	5.4	955173	SLD 7	955173	2795460	0.139	-1249532	SLD 9	-1249532	-3489861	0.109	Si
36	30.41	8.4	22.81	5.4	839024	SLD 7	955173	2795460	0.139	-1120375	SLD 9	-1249532	-3489861	0.109	Si
54	29.11	8.4	20.67	5.4	681870	SLD 7	934379	2557315	0.136	-950556	SLD 9	-1226167	-3346194	0.109	Si
72	26.56	8.3	18.24	5.4	522243	SLD 7	778759	2287147	0.131	-783367	SLD 9	-1054743	-3065609	0.108	Si
81	25.29	8.2	15.21	5.4	441515	SLD 7	700014	1948660	0.126	-700771	SLD 9	-970010	-2925391	0.109	Si
99	18.11	7.7	15.21	5.4	278271	SLD 7	540671	1942093	0.119	-537618	SLD 9	-802517	-2133292	0.096	Si
117	15.57	7.4	15.21	5.4	112743	SLD 7	378893	1936475	0.114	-377285	SLD 9	-637693	-1852007	0.092	Si
135	13.02	7.1	15.21	5.4	-54758	SLD 7	214754	1917826	0.107	-220082	SLD 9	-475610	-1570644	0.088	Si
153	7.6	5.4	15.21	5.4	-40224	SLD 5	197323	1873491	0.092	-250017	SLD 11	-523326	-971252	0.079	Si
171	21.46	6.3	15.21	5.4	107033	SLD 5	343582	1910715	0.094	-417778	SLD 11	-698330	-2576665	0.099	Si
189	26.55	6.4	15.21	5.4	253758	SLD 5	488581	1924306	0.095	-590110	SLD 11	-877177	-3165089	0.108	Si
207	30.41	6.4	18.92	5.4	399628	SLD 9	631749	2374364	0.099	-766690	SLD 7	-1059295	-3611126	0.11	Si
216	30.41	6.4	20.13	5.4	472032	SLD 9	702534	2517684	0.101	-856362	SLD 7	-1151471	-3611139	0.108	Si
234	30.41	6.4	22.56	5.4	615438	SLD 9	721530	2804365	0.104	-1038133	SLD 7	-1176506	-3611203	0.106	Si
247	30.41	6.4	22.81	5.4	721530	SLD 9	721530	2834049	0.104	-1176506	SLD 7	-1176506	-3611307	0.106	Si
252	30.41	6.4	22.81	5.4	756706	SLD 9	753336	2834049	0.104	-1222868	SLD 7	-1218380	-3611307	0.106	Si
270	30.41	6.4	22.81	5.4	895656	SLD 9	809881	2834049	0.104	-1410388	SLD 7	-1292822	-3611307	0.106	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	27.84	0	944	SLU 19	944	14369	73337	0	14369	1	Si
18	0	25.29	0	760	SLU 19	760	13917	73337	0	13917	1	Si
23	0.244	25.29	0	714	SLU 19	714	13917	73337	27027	27027	1	Si
36	0.244	18.11	0	576	SLU 19	576	12451	73337	27027	27027	1	Si
54	0.244	15.57	0	392	SLU 19	392	11843	73390	27047	27047	1	Si
72	0.244	13.02	0	207	SLU 19	207	11167	73509	27091	27091	1	Si
81	0.244	7.6	0	115	SLU 19	115	9338	73578	27116	27116	1	Si
99	0.237	18.91	0	-145	SLU 36	-145	-12700	-74145	-26474	-26474	1	Si
117	0.237	24.01	0	-329	SLU 36	-329	-13780	-74472	-26591	-26591	1	Si
135	0.237	26.56	0	-514	SLU 36	-514	-14295	-74927	-26753	-26753	1	Si
153	0.237	24.02	0	-698	SLU 36	-698	-14000	-76908	-27461	-27461	1	Si
171	0.237	16.84	0	-882	SLU 36	-882	-12356	-75883	-27095	-27095	1	Si
189	0.244	14.29	0	-1066	SLU 36	-1066	-11691	-75775	-27926	-27926	1	Si
207	0.244	7.6	0	-1251	SLU 36	-1251	-9469	-75718	-27905	-27905	1	Si
216	0.244	7.6	0	-1343	SLU 36	-1343	-9469	-75718	-27905	-27905	1	Si
234	0.244	21.46	0	-1527	SLU 36	-1527	-13382	-75718	-27905	-27905	1	Si
247	0.244	24.01	0	-1665	SLU 36	-1665	-13891	-75718	-27905	-27905	1	Si
252	0	26.55	0	-1711	SLU 36	-1711	-14366	-75718	0	-14366	1	Si
270	0	30.41	0	-1896	SLU 36	-1896	-15031	-75718	0	-15031	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	27.84	0	21261	SLV 9	26605	14369	73337	0	14369	1	Si
0	0	19.45	0	-19849	SLV 7	-25193	-13050	-76908	0	-13050	1	Si
18	0	25.29	0	21119	SLV 9	26464	13917	73337	0	13917	1	Si
18	0	15.21	0	-19991	SLV 7	-25335	-12021	-76908	0	-12021	1	Si
23	0.244	25.29	0	21084	SLV 9	26428	13917	73337	27027	27027	1	Si
23	0.244	15.21	0	-20026	SLV 7	-25370	-12021	-76908	-28344	-28344	1	Si
36	0.244	18.11	0	20978	SLV 9	26322	12451	73337	27027	27027	1	Si
36	0.244	15.21	0	-20132	SLV 7	-25477	-12021	-76908	-28344	-28344	1	Si
54	0.244	15.57	0	20836	SLV 9	26180	11843	73390	27047	27047	1	Si
54	0.244	15.21	0	-20274	SLV 7	-25618	-12021	-76908	-28344	-28344	1	Si
72	0.244	13.02	0	20694	SLV 9	26038	11167	73509	27091	27091	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
72	0.244	15.21	0	-20416	SLV 7	-25760	-12021	-76908	-28344	-28344	1	Si
81	0.244	7.6	0	20623	SLV 9	25968	9338	73578	27116	27116	1	Si
81	0.244	15.21	0	-20487	SLV 7	-25831	-12021	-76908	-28344	-28344	1	Si
99	0.237	18.91	0	20482	SLV 9	25826	12700	74145	26474	26474	1	Si
99	0.237	15.21	0	-20628	SLV 7	-25973	-12021	-76908	-27461	-27461	1	Si
117	0.237	24.01	0	20340	SLV 9	25684	13780	74472	26591	26591	1	Si
117	0.237	15.21	0	-20770	SLV 7	-26114	-12021	-76908	-27461	-27461	1	Si
135	0.237	26.56	0	20198	SLV 9	25542	14295	74927	26753	26753	1	Si
135	0.237	15.21	0	-20912	SLV 7	-26256	-12021	-76908	-27461	-27461	1	Si
153	0.237	15.21	0	20056	SLV 9	25401	12021	76908	27461	27461	1	Si
153	0.237	24.02	0	-21054	SLV 7	-26398	-14000	-76908	-27461	-27461	1	Si
171	0.237	15.21	0	19915	SLV 9	25259	12021	76908	27461	27461	1	Si
171	0.237	16.84	0	-21195	SLV 7	-26540	-12356	-75883	-27095	-27095	1	Si
189	0.244	15.21	0	19773	SLV 9	25117	12021	76908	28344	28344	1	Si
189	0.244	14.29	0	-21337	SLV 7	-26681	-11691	-75775	-27926	-27926	1	Si
207	0.244	15.21	0	19631	SLV 9	24975	12021	76908	28344	28344	1	Si
207	0.244	7.6	0	-21479	SLV 7	-26823	-9469	-75718	-27905	-27905	1	Si
216	0.244	15.21	0	19560	SLV 9	24904	12021	76908	28344	28344	1	Si
216	0.244	7.6	0	-21550	SLV 7	-26894	-9469	-75718	-27905	-27905	1	Si
234	0.244	15.21	0	19418	SLV 9	24763	12021	76908	28344	28344	1	Si
234	0.244	21.46	0	-21692	SLV 7	-27036	-13382	-75718	-27905	-27905	1	Si
247	0.244	15.21	0	19312	SLV 9	24656	12021	76908	28344	28344	1	Si
247	0.244	24.01	0	-21798	SLV 7	-27142	-13891	-75718	-27905	-27905	1	Si
252	0	15.21	0	19277	SLV 9	24621	12021	76908	0	12021	1	Si
252	0	26.55	0	-21833	SLV 7	-27178	-14366	-75718	0	-14366	1	Si
270	0	18.92	0	19135	SLV 9	24479	12930	76908	0	12930	1	Si
270	0	30.41	0	-21975	SLV 7	-27319	-15031	-75718	0	-15031	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	27.84	0	9803	SLD 9	9803	14369	73337	0	14369	1	Si
0	0	19.45	0	-8390	SLD 7	-8390	-13050	-76908	0	-13050	1	Si
18	0	25.29	0	9661	SLD 9	9661	13917	73337	0	13917	1	Si
18	0	15.21	0	-8532	SLD 7	-8532	-12021	-76908	0	-12021	1	Si
23	0.244	25.29	0	9625	SLD 9	9625	13917	73337	27027	27027	1	Si
23	0.244	15.21	0	-8567	SLD 7	-8567	-12021	-76908	-28344	-28344	1	Si
36	0.244	18.11	0	9519	SLD 9	9519	12451	73337	27027	27027	1	Si
36	0.244	15.21	0	-8674	SLD 7	-8674	-12021	-76908	-28344	-28344	1	Si
54	0.244	15.57	0	9377	SLD 9	9377	11843	73390	27047	27047	1	Si
54	0.244	15.21	0	-8815	SLD 7	-8815	-12021	-76908	-28344	-28344	1	Si
72	0.244	13.02	0	9236	SLD 9	9236	11167	73509	27091	27091	1	Si
72	0.244	15.21	0	-8957	SLD 7	-8957	-12021	-76908	-28344	-28344	1	Si
81	0.244	7.6	0	9165	SLD 9	9165	9338	73578	27116	27116	1	Si
81	0.244	15.21	0	-9028	SLD 7	-9028	-12021	-76908	-28344	-28344	1	Si
99	0.237	18.91	0	9023	SLD 9	9023	12700	74145	26474	26474	1	Si
99	0.237	15.21	0	-9170	SLD 7	-9170	-12021	-76908	-27461	-27461	1	Si
117	0.237	24.01	0	8881	SLD 9	8881	13780	74472	26591	26591	1	Si
117	0.237	15.21	0	-9312	SLD 7	-9312	-12021	-76908	-27461	-27461	1	Si
135	0.237	26.56	0	8739	SLD 9	8739	14295	74927	26753	26753	1	Si
135	0.237	26.56	0	-9453	SLD 7	-9453	-14295	-74927	-26753	-26753	1	Si
153	0.237	24.02	0	8598	SLD 9	8598	14000	76908	27461	27461	1	Si
153	0.237	24.02	0	-9595	SLD 7	-9595	-14000	-76908	-27461	-27461	1	Si
171	0.237	15.21	0	8456	SLD 9	8456	12021	76908	27461	27461	1	Si
171	0.237	16.84	0	-9737	SLD 7	-9737	-12356	-75883	-27095	-27095	1	Si
189	0.244	15.21	0	8314	SLD 9	8314	12021	76908	28344	28344	1	Si
189	0.244	14.29	0	-9879	SLD 7	-9879	-11691	-75775	-27926	-27926	1	Si
207	0.244	15.21	0	8172	SLD 9	8172	12021	76908	28344	28344	1	Si
207	0.244	7.6	0	-10020	SLD 7	-10020	-9469	-75718	-27905	-27905	1	Si
216	0.244	15.21	0	8102	SLD 9	8102	12021	76908	28344	28344	1	Si
216	0.244	7.6	0	-10091	SLD 7	-10091	-9469	-75718	-27905	-27905	1	Si
234	0.244	15.21	0	7960	SLD 9	7960	12021	76908	28344	28344	1	Si
234	0.244	21.46	0	-10233	SLD 7	-10233	-13382	-75718	-27905	-27905	1	Si
247	0.244	15.21	0	7853	SLD 9	7853	12021	76908	28344	28344	1	Si
247	0.244	24.01	0	-10339	SLD 7	-10339	-13891	-75718	-27905	-27905	1	Si
252	0	15.21	0	7818	SLD 9	7818	12021	76908	0	12021	1	Si
252	0	26.55	0	-10375	SLD 7	-10375	-14366	-75718	0	-14366	1	Si
270	0	18.92	0	7676	SLD 9	7676	12930	76908	0	12930	1	Si
270	0	30.41	0	-10516	SLD 7	-10516	-15031	-75718	0	-15031	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-171324	2	-163493	3.8	124.5	105.7	1837	-160996	2	-153131	3.6	93.4	0	+∞	Si
18	-159942	2	-159706	3.8	124.5	103.2	1837	-149560	2	-149322	3.5	93.4	0	+∞	Si
23	-157575	2	-157575	3.7	124.5	101.8	1837	-147180	2	-147180	3.5	93.4	0	+∞	Si
36	-151112	2	-157575	3.7	124.5	101.8	1837	-140676	2	-147180	3.5	93.4	0	+∞	Si
54	-144833	2	-156297	3.8	124.5	105.4	1837	-134343	2	-145894	3.6	93.4	0	+∞	Si
72	-141106	2	-148449	3.8	124.5	108.9	1837	-130562	2	-137992	3.5	93.4	0	+∞	Si
81	-140199	2	-145482	3.9	124.5	112	1837	-129628	2	-134998	3.6	93.4	0	+∞	Si
99	-140299	2	-145904	4.3	124.5	151.1	1837	-129674	2	-135192	4	93.4	0	+∞	Si
117	-142950	2	-152676	4.7	124.5	180.7	1837	-132271	2	-141910	4.4	93.4	0	+∞	Si
135	-148153	2	-161999	5.3	124.5	224.3	1837	-137420	2	-151180	4.9	93.4	0	+∞	Si
153	-155907	2	-173874	3.7	124.5	59.3	1837	-145121	2	-163001	6.2	93.4	0	+∞	Si
171	-166213	2	-188361	5.1	124.5	156.6	1837	-155373	2	-177374	4.8	93.4	0	+∞	Si
189	-179070	2	-205461	5.2	124.5	140	1837	-168176	2	-194298	4.9	93.4	0	+∞	Si
207	-194586	3	-225112	5.3	124.5	134.4	1837	-183531	2	-213773	5	93.4	0	+∞	Si
216	-203308	3	-235895	5.4	124.5	140.7	1837	-192165	2	-224468	5.2	93.4	0	+∞	Si
234	-222666	3	-238939	5.4	124.5	142.1	1837	-211347	2	-227488	5.1	93.4	0	+∞	Si
247	-238939	3	-238939	5.4	124.5	142	1837	-227488	2	-227488	5.1	93.4	0	+∞	Si
252	-244576	3	-244012	5.5	124.5	145	1837	-233081	2	-232522	5.2	93.4	0	+∞	Si
270	-269036	3	-253031	5.7	124.5	150.4	1837	-257366	2	-241470	5.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
36	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.003	1	-0.003	1	9999	Si
54	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
72	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	1	-0.005	1	9999	Si
81	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	1	-0.006	1	9999	Si
99	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
117	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
135	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
144	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
153	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
171	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
189	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
207	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	1	-0.005	1	9999	Si
216	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
234	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
247	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
252	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	529	25899	27027	SLV 9	0.37	752	1.023	-147180	2490981	2795460	SLV 7	0.43	1077	1.185	Si
36	423	25899	27027	SLV 9	0.37	760	1.027	-147180	2490981	2795460	SLV 7	0.43	1077	1.185	Si
54	281	25899	27047	SLV 9	0.38	771	1.033	-145894	2441088	2557315	SLV 7	0.4	912	1.107	Si
72	139	25899	27091	SLV 9	0.38	784	1.04	-137992	2071578	2287147	SLV 7	0.42	1051	1.173	Si
81	68	25899	27116	SLV 9	0.38	791	1.044	-134998	1886873	1948660	SLV 7	0.4	906	1.104	Si
99	-73	25899	26474	SLV 9	0.37	756	1.025	-130923	-1517598	-2133292	SLV 9	0.47	1443	1.336	Si
117	-215	25899	26591	SLV 9	0.38	774	1.035	-129400	-1148587	-1852007	SLV 9	0.53	2032	1.537	Si
135	-357	-25899	-27461	SLV 7	0.38	795	1.046	-130428	-780007	-1570644	SLV 9	0.57	2474	1.666	Si
153	-499	-25899	-27461	SLV 7	0.38	785	1.041	-163001	-814222	-971252	SLV 11	0.36	699	0.992	No
171	-640	-25899	-27095	SLV 7	0.37	749	1.021	-177374	1177200	1910715	SLV 9	0.57	2474	1.666	Si
189	-782	-25899	-27926	SLV 7	0.38	798	1.048	-194298	1543098	1924306	SLV 9	0.49	1604	1.395	Si
207	-924	-25899	-27905	SLV 7	0.38	786	1.041	-213773	1910621	2374364	SLV 9	0.49	1548	1.375	Si
216	-995	-25899	-27905	SLV 7	0.38	781	1.039	-224468	2094742	2517684	SLV 9	0.47	1413	1.324	Si
234	-1137	-25899	-27905	SLV 7	0.38	771	1.033	-227488	2144490	2804365	SLV 9	0.51	1735	1.441	Si
247	-1243	-25899	-27905	SLV 7	0.37	764	1.029	-227488	2144490	2834049	SLV 9	0.51	1781	1.456	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	529	9096	27027	SLD 9	0.39	856	2.714	-147180	1102352	2795460	SLD 7	0.36	692	2.487	Si
36	423	9096	27027	SLD 9	0.39	865	2.725	-147180	1102352	2795460	SLD 7	0.36	692	2.487	Si
54	281	9096	27047	SLD 9	0.4	877	2.741	-145894	1080273	2557315	SLD 7	0.34	592	2.333	Si
72	139	9096	27091	SLD 9	0.4	892	2.76	-137992	916751	2287147	SLD 7	0.36	677	2.465	Si
81	68	9096	27116	SLD 9	0.4	900	2.77	-134998	835012	1948660	SLD 7	0.34	587	2.325	Si
99	-73	9096	26474	SLD 9	0.39	860	2.719	-130923	-671594	-2133292	SLD 9	0.4	906	2.777	Si
117	-215	9096	26591	SLD 9	0.4	881	2.746	-129400	-508293	-1852007	SLD 9	0.45	1268	3.188	Si
135	-357	-9096	-26753	SLD 7	0.39	848	2.703	-130428	-345182	-1570644	SLD 9	0.55	2208	4.002	Si
153	-499	-9096	-27461	SLD 7	0.4	893	2.761	-163001	-360324	-971252	SLD 11	0.3	458	2.1	Si
171	-640	-9096	-27095	SLD 7	0.39	852	2.708	-177374	520956	1910715	SLD 9	0.53	1984	3.83	Si
189	-782	-9096	-27926	SLD 7	0.4	908	2.78	-194298	682879	1924306	SLD 9	0.42	1001	2.893	Si
207	-924	-9096	-27905	SLD 7	0.4	894	2.762	-213773	845522	2374364	SLD 9	0.41	966	2.851	Si
216	-995	-9096	-27905	SLD 7	0.4	889	2.756	-224468	927002	2517684	SLD 9	0.4	889	2.756	Si
234	-1137	-9096	-27905	SLD 7	0.4	877	2.741	-227488	949018	2804365	SLD 9	0.43	1083	2.988	Si
247	-1243	-9096	-27905	SLD 7	0.39	869	2.73	-227488	949018	2834049	SLD 9	0.43	1113	3.022	Si

Campata 4 tra i fili 64 - 61, sezione R 45x70, asta 804

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	6.4	22.81	5.4						-757691	SLU 29	-719157	-3611307	0.106	Si
18	30.41	6.4	22.81	5.4						-695917	SLU 29	-694800	-3611307	0.106	Si
23	30.41	6.4	22.81	5.4						-683108	SLU 29	-683108	-3611307	0.106	Si
37	30.41	6.4	22.42	5.4						-637645	SLU 29	-683108	-3611315	0.106	Si
55	30.41	6.4	19.93	5.4						-582875	SLU 29	-670590	-3611198	0.109	Si
74	30.41	6.4	15.21	5.4						-531606	SLU 29	-613818	-3610569	0.116	Si
83	30.41	6.4	15.21	5.4						-507435	SLU 30	-586744	-3610569	0.116	Si
102	30.41	6.4	15.21	5.4						-461727	SLU 30	-535224	-3610569	0.116	Si
120	30.41	6.4	15.21	5.4						-419521	SLU 30	-487488	-3610569	0.116	Si
139	30.41	6.4	15.21	5.4						-380818	SLU 30	-443280	-3610569	0.116	Si
157	30.41	6.4	15.21	5.4						-345615	SLU 30	-402574	-3610569	0.116	Si
176	30.41	6.4	15.21	5.4						-313915	SLU 30	-365369	-3610569	0.116	Si
194	30.41	6.4	15.21	5.4						-285717	SLU 30	-331667	-3610569	0.116	Si
213	34.03	6.3	20.66	5.4						-261020	SLU 30	-301466	-4038927	0.113	Si
222	34.9	6.3	21.9	5.4						-249984	SLU 30	-287678	-4142065	0.113	Si
240	36.65	6.2	22.81	5.4						-231711	SLU 36	-262730	-4348000	0.114	Si
255	38.01	6.2	22.81	5.4						-221895	SLU 36	-245684	-4509283	0.116	Si
259	38.01	6.2	22.81	5.4						-219424	SLU 36	-219424	-4509283	0.116	Si
277	38.01	6.2	22.81	5.4						-210638	SLU 36	-210638	-4509283	0.116	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	6.4	22.81	5.4	2573655	SLV 7	2350619	2834049	0.104	-3612251	SLV 9	-3334698	-3611307	0.106	Si
18	30.41	6.4	22.81	5.4	2205458	SLV 7	2198382	2834049	0.104	-3156850	SLV 9	-3148207	-3611307	0.106	Si
23	30.41	6.4	22.81	5.4	2125304	SLV 7	2125304	2834049	0.104	-3058686	SLV 9	-3058686	-3611307	0.106	Si
37	30.41	6.4	22.42	5.4	1834723	SLV 7	2125304	2788595	0.104	-2704299	SLV 9	-3058686	-3611315	0.106	Si
55	30.41	6.4	19.93	5.4	1461627	SLV 7	2046976	2494164	0.1	-2254774	SLV 9	-2962758	-3611198	0.109	Si
74	30.41	6.4	15.21	5.4	1086755	SLV 7	1675201	1934685	0.095	-1808860	SLV 9	-2511473	-3610569	0.116	Si
83	30.41	6.4	15.21	5.4	899329	SLV 7	1488456	1934685	0.095	-1587933	SLV 9	-2286994	-3610569	0.116	Si
102	30.41	6.4	15.21	5.4	532616	SLV 7	1113693	1934685	0.095	-1158260	SLV 9	-1840802	-3610569	0.116	Si
120	30.41	6.4	15.21	5.4	193505	SLV 11	740076	1934685	0.095	-761575	SLV 5	-1401144	-3610569	0.116	Si
139	30.41	6.4	15.21	5.4	-36771	SLV 15	426803	1934685	0.095	-479114	SLV 1	-980056	-3610569	0.116	Si
157	30.41	6.4	15.21	5.4	179804	SLV 9	857383	1934685	0.095	-648890	SLV 7	-1263882	-3610569	0.116	Si
176	30.41	6.4	15.21	5.4	611481	SLV 9	1285570	1934685	0.095	-1039155	SLV 7	-1659126	-3610569	0.116	Si
194	30.41	6.4	15.21	5.4	1041078	SLV 9	1711191	1934685	0.095	-1432728	SLV 7	-2057191	-3610569	0.116	Si
213	34.03	6.3	20.66	5.4	1468178	SLV 9	2134189	2579625	0.099	-1829192	SLV 7	-2458019	-4038927	0.113	Si
222	34.9	6.3	21.9	5.4	1680758	SLV 9	2344694	2726952	0.1	-2028474	SLV 7	-2659461	-4142065	0.113	Si
240	36.65	6.2	22.81	5.4	2103945	SLV 9	2433553	2833849	0.1	-2429105	SLV 7	-2744971	-4348000	0.114	Si
255	38.01	6.2	22.81	5.4	2433553	SLV 9	2433553	2833828	0.099	-2744971	SLV 7	-2744971	-4509283	0.116	Si
259	38.01	6.2	22.81	5.4	2524482	SLV 9	2516395	2833828	0.099	-2832474	SLV 7	-2824728	-4509283	0.116	Si
277	38.01	6.2	22.81	5.4	2942355	SLV 9	2688973	2833828	0.099	-3238566	SLV 7	-2990877	-4509283	0.116	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	6.4	22.81	5.4	849451	SLD 7	765945	2834049	0.104	-1888048	SLD 9	-1750024	-3611307	0.106	Si
18	30.41	6.4	22.81	5.4	710817	SLD 7	708122	2834049	0.104	-1662209	SLD 9	-1657947	-3611307	0.106	Si
23	30.41	6.4	22.81	5.4	680365	SLD 7	680365	2834049	0.104	-1613748	SLD 9	-1613748	-3611307	0.106	Si
37	30.41	6.4	22.42	5.4	569557	SLD 7	680365	2788595	0.104	-1439133	SLD 9	-1613748	-3611315	0.106	Si
55	30.41	6.4	19.93	5.4	425751	SLD 7	650608	2494164	0.1	-1218898	SLD 9	-1566390	-3611198	0.109	Si
74	30.41	6.4	15.21	5.4	279657	SLD 7	508245	1934685	0.095	-1001763	SLD 9	-1344518	-3610569	0.116	Si
83	30.41	6.4	15.21	5.4	206052	SLD 7	436121	1934685	0.095	-894656	SLD 9	-1234659	-3610569	0.116	Si
102	30.41	6.4	15.21	5.4	61316	SLD 7	290183	1934685	0.095	-686960	SLD 9	-1017293	-3610569	0.116	Si
120	30.41	6.4	15.21	5.4	-72706	SLD 11	143251	1934685	0.095	-495365	SLD 5	-804320	-3610569	0.116	Si
139	30.41	6.4	15.21	5.4	-160066	SLD 15	64889	1934685	0.095	-355819	SLD 1	-601066	-3610569	0.116	Si
157	30.41	6.4	15.21	5.4	-51178	SLD 9	266121	1934685	0.095	-417908	SLD 7	-672620	-3610569	0.116	Si
176	30.41	6.4	15.21	5.4	151398	SLD 9	464793	1934685	0.095	-579072	SLD 7	-838348	-3610569	0.116	Si
194	30.41	6.4	15.21	5.4	351552	SLD 9	660827	1934685	0.095	-743202	SLD 7	-1006826	-3610569	0.116	Si
213	34.03	6.3	20.66	5.4	549100	SLD 9	854199	2579625	0.099	-910113	SLD 7	-1178029	-4038927	0.113	Si
222	34.9	6.3	21.9	5.4	646881	SLD 9	949882	2726952	0.1	-994596	SLD 7	-1264648	-4142065	0.113	Si
240	36.65	6.2	22.81	5.4	840444	SLD 9	990138	2833849	0.1	-1165604	SLD 7	-1301557	-4348000	0.114	Si
255	38.01	6.2	22.81	5.4	990138	SLD 9	990138	2833828	0.099	-1301557	SLD 7	-1301557	-4509283	0.116	Si
259	38.01	6.2	22.81	5.4	1031333	SLD 9	1027660	2833828	0.099	-1339325	SLD 7	-1335992	-4509283	0.116	Si
277	38.01	6.2	22.81	5.4	1219542	SLD 9	1105824	2833828	0.099	-1515753	SLD 7	-1407728	-4509283	0.116	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	3435	SLU 29	3435	15031	75718	0	15031	1	Si
18	0	30.41	0	3245	SLU 29	3245	15031	75718	0	15031	1	Si
23	0.273	30.41	0	3204	SLU 29	3204	15031	75718	31188	31188	1	Si
37	0.273	30.41	0	3056	SLU 29	3056	15031	75718	31188	31188	1	Si
55	0.273	30.41	0	2867	SLU 29	2867	15031	75718	31188	31188	1	Si
74	0.273	30.41	0	2677	SLU 29	2677	15031	75718	31188	31188	1	Si
83	0.273	30.41	0	2583	SLU 29	2583	15031	75718	31188	31188	1	Si
102	0.261	30.41	0	2393	SLU 29	2393	15031	75718	29838	29838	1	Si
120	0.261	30.41	0	2204	SLU 29	2204	15031	75718	29838	29838	1	Si
139	0.261	30.41	0	2015	SLU 29	2015	15031	75718	29838	29838	1	Si
157	0.261	30.41	0	1825	SLU 29	1825	15031	75718	29838	29838	1	Si
176	0.261	30.41	0	1636	SLU 29	1636	15031	75718	29838	29838	1	Si
194	0.259	30.41	0	1447	SLU 29	1447	15031	75718	29546	29546	1	Si
213	0.259	30.41	0	1257	SLU 29	1257	15043	75844	29596	29596	1	Si
222	0.259	30.41	0	1163	SLU 29	1163	15046	75871	29606	29606	1	Si
240	0.259	30.41	0	973	SLU 29	973	15050	75920	29625	29625	1	Si
255	0.259	30.41	0	825	SLU 29	825	15054	75956	29639	29639	1	Si
259	0	30.41	0	784	SLU 11	784	15054	75956	0	15054	1	Si
277	0	34.03	0	639	SLU 11	639	15629	75956	0	15629	1	Si
277	0	34.03	0	-101	SLU 26	-101	-15629	-75956	0	-15629	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	24712	SLV 9	30505	15031	75718	0	15031	1	Si
0	0	18.69	0	-19851	SLV 7	-25644	-12877	-76908	0	-12877	1	Si
18	0	30.41	0	24566	SLV 9	30359	15031	75718	0	15031	1	Si
18	0	15.21	0	-19996	SLV 7	-25790	-12021	-76908	0	-12021	1	Si
23	0.273	30.41	0	24534	SLV 9	30327	15031	75718	31188	31188	1	Si
23	0.273	15.21	0	-20028	SLV 7	-25821	-12021	-76908	-31678	-31678	1	Si
37	0.273	30.41	0	24420	SLV 9	30213	15031	75718	31188	31188	1	Si
37	0.273	15.21	0	-20142	SLV 7	-25935	-12021	-76908	-31678	-31678	1	Si
55	0.273	30.41	0	24275	SLV 9	30068	15031	75718	31188	31188	1	Si
55	0.273	15.21	0	-20288	SLV 7	-26081	-12021	-76908	-31678	-31678	1	Si
74	0.273	30.41	0	24129	SLV 9	29922	15031	75718	31188	31188	1	Si
74	0.273	15.21	0	-20433	SLV 7	-26227	-12021	-76908	-31678	-31678	1	Si
83	0.273	30.41	0	24056	SLV 9	29849	15031	75718	31188	31188	1	Si
83	0.273	15.21	0	-20506	SLV 7	-26299	-12021	-76908	-31678	-31678	1	Si
102	0.261	30.41	0	23911	SLV 9	29704	15031	75718	29838	29838	1	Si
102	0.261	15.21	0	-20652	SLV 7	-26445	-12021	-76908	-30307	-30307	1	Si
120	0.261	30.41	0	23765	SLV 9	29558	15031	75718	29838	29838	1	Si
120	0.261	15.21	0	-20798	SLV 7	-26591	-12021	-76908	-30307	-30307	1	Si
139	0.261	30.41	0	23619	SLV 9	29412	15031	75718	29838	29838	1	Si
139	0.261	30.41	0	-20943	SLV 7	-26736	-15031	-75718	-29838	-29838	1	Si
157	0.261	15.21	0	23474	SLV 9	29267	12021	76908	30307	30307	1	Si
157	0.261	30.41	0	-21089	SLV 7	-26882	-15031	-75718	-29838	-29838	1	Si
176	0.261	15.21	0	23328	SLV 9	29121	12021	76908	30307	30307	1	Si
176	0.261	30.41	0	-21234	SLV 7	-27028	-15031	-75718	-29838	-29838	1	Si
194	0.259	15.21	0	23182	SLV 9	28975	12021	76908	30011	30011	1	Si
194	0.259	30.41	0	-21380	SLV 7	-27173	-15031	-75718	-29546	-29546	1	Si
213	0.259	15.21	0	23037	SLV 9	28830	12021	76908	30011	30011	1	Si
213	0.259	30.41	0	-21526	SLV 7	-27319	-15043	-75844	-29596	-29596	1	Si
222	0.259	15.21	0	22964	SLV 9	28757	12021	76908	30011	30011	1	Si
222	0.259	30.41	0	-21599	SLV 7	-27392	-15046	-75871	-29606	-29606	1	Si
240	0.259	15.21	0	22818	SLV 9	28611	12021	76908	30011	30011	1	Si
240	0.259	30.41	0	-21744	SLV 7	-27537	-15050	-75920	-29625	-29625	1	Si
255	0.259	15.21	0	22704	SLV 9	28497	12021	76908	30011	30011	1	Si
255	0.259	30.41	0	-21858	SLV 7	-27651	-15054	-75956	-29639	-29639	1	Si
259	0	15.21	0	22673	SLV 9	28466	12021	76908	0	12021	1	Si
259	0	30.41	0	-21890	SLV 7	-27683	-15054	-75956	0	-15054	1	Si
277	0	20.66	0	22527	SLV 9	28320	13314	76908	0	13314	1	Si
277	0	34.03	0	-22036	SLV 7	-27829	-15629	-75956	0	-15629	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	12291	SLD 9	12291	15031	75718	0	15031	1	Si
0	0	18.69	0	-7430	SLD 7	-7430	-12877	-76908	0	-12877	1	Si
18	0	30.41	0	12145	SLD 9	12145	15031	75718	0	15031	1	Si
18	0	15.21	0	-7576	SLD 7	-7576	-12021	-76908	0	-12021	1	Si
23	0.273	30.41	0	12113	SLD 9	12113	15031	75718	31188	31188	1	Si
23	0.273	15.21	0	-7607	SLD 7	-7607	-12021	-76908	-31678	-31678	1	Si
37	0.273	30.41	0	11999	SLD 9	11999	15031	75718	31188	31188	1	Si
37	0.273	15.21	0	-7721	SLD 7	-7721	-12021	-76908	-31678	-31678	1	Si
55	0.273	30.41	0	11854	SLD 9	11854	15031	75718	31188	31188	1	Si
55	0.273	15.21	0	-7867	SLD 7	-7867	-12021	-76908	-31678	-31678	1	Si
74	0.273	30.41	0	11708	SLD 9	11708	15031	75718	31188	31188	1	Si
74	0.273	15.21	0	-8013	SLD 7	-8013	-12021	-76908	-31678	-31678	1	Si
83	0.273	30.41	0	11635	SLD 9	11635	15031	75718	31188	31188	1	Si
83	0.273	15.21	0	-8085	SLD 7	-8085	-12021	-76908	-31678	-31678	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
102	0.261	30.41	0	11490	SLD 9	11490	15031	75718	29838	29838	1	Si
102	0.261	15.21	0	-8231	SLD 7	-8231	-12021	-76908	-30307	-30307	1	Si
120	0.261	30.41	0	11344	SLD 9	11344	15031	75718	29838	29838	1	Si
120	0.261	30.41	0	-8377	SLD 7	-8377	-15031	-75718	-29838	-29838	1	Si
139	0.261	30.41	0	11198	SLD 9	11198	15031	75718	29838	29838	1	Si
139	0.261	30.41	0	-8522	SLD 7	-8522	-15031	-75718	-29838	-29838	1	Si
157	0.261	30.41	0	11053	SLD 9	11053	15031	75718	29838	29838	1	Si
157	0.261	30.41	0	-8668	SLD 7	-8668	-15031	-75718	-29838	-29838	1	Si
176	0.261	15.21	0	10907	SLD 9	10907	12021	76908	30307	30307	1	Si
176	0.261	30.41	0	-8814	SLD 7	-8814	-15031	-75718	-29838	-29838	1	Si
194	0.259	15.21	0	10761	SLD 9	10761	12021	76908	30011	30011	1	Si
194	0.259	30.41	0	-8959	SLD 7	-8959	-15031	-75718	-29546	-29546	1	Si
213	0.259	15.21	0	10616	SLD 9	10616	12021	76908	30011	30011	1	Si
213	0.259	30.41	0	-9105	SLD 7	-9105	-15043	-75844	-29596	-29596	1	Si
222	0.259	15.21	0	10543	SLD 9	10543	12021	76908	30011	30011	1	Si
222	0.259	30.41	0	-9178	SLD 7	-9178	-15046	-75871	-29606	-29606	1	Si
240	0.259	15.21	0	10397	SLD 9	10397	12021	76908	30011	30011	1	Si
240	0.259	30.41	0	-9323	SLD 7	-9323	-15050	-75920	-29625	-29625	1	Si
255	0.259	15.21	0	10283	SLD 9	10283	12021	76908	30011	30011	1	Si
255	0.259	30.41	0	-9437	SLD 7	-9437	-15054	-75956	-29639	-29639	1	Si
259	0	15.21	0	10252	SLD 9	10252	12021	76908	0	12021	1	Si
259	0	30.41	0	-9469	SLD 7	-9469	-15054	-75956	0	-15054	1	Si
277	0	20.66	0	10106	SLD 9	10106	13314	76908	0	13314	1	Si
277	0	34.03	0	-9615	SLD 7	-9615	-15629	-75956	0	-15629	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-557457	2	-528722	11.8	124.5	314.3	1837	-519298	2	-492039	11	93.4	0	+∞	Si
18	-511428	2	-510597	11.4	124.5	303.5	1837	-475696	2	-474913	10.6	93.4	0	+∞	Si
23	-501897	2	-501897	11.2	124.5	298.3	1837	-466691	2	-466691	10.5	93.4	0	+∞	Si
37	-468093	2	-501897	11.3	124.5	298.5	1837	-434788	2	-466691	10.5	93.4	0	+∞	Si
55	-427451	2	-492584	11.4	124.5	293.8	1837	-396574	2	-457891	10.6	93.4	0	+∞	Si
74	-389503	2	-450402	11	124.5	270.3	1837	-361053	2	-418136	10.2	93.4	0	+∞	Si
83	-371640	3	-430321	10.5	124.5	258.3	1837	-344302	2	-399269	9.8	93.4	0	+∞	Si
102	-337938	3	-392180	9.6	124.5	235.4	1837	-312822	2	-363555	8.9	93.4	0	+∞	Si
120	-306930	3	-356920	8.7	124.5	214.2	1837	-284035	2	-330534	8.1	93.4	0	+∞	Si
139	-278616	3	-324372	7.9	124.5	194.7	1837	-257942	2	-300207	7.3	93.4	0	+∞	Si
157	-252995	3	-294517	7.2	124.5	176.8	1837	-234543	2	-272574	6.7	93.4	0	+∞	Si
176	-230068	3	-267357	6.5	124.5	160.5	1837	-213837	2	-247634	6	93.4	0	+∞	Si
194	-209835	3	-242889	5.9	124.5	145.8	1837	-195825	2	-225388	5.5	93.4	0	+∞	Si
213	-192295	3	-221116	4.9	124.5	117.9	1837	-180507	2	-205836	4.6	93.4	0	+∞	Si
222	-184535	3	-211239	4.6	124.5	109.7	1837	-173858	2	-197070	4.3	93.4	0	+∞	Si
240	-171817	9	-193506	4.1	124.5	95.7	1837	-162580	2	-181558	3.8	93.4	0	+∞	Si
255	-165114	9	-181536	3.8	124.5	86.6	1837	-155709	2	-171329	3.6	93.4	0	+∞	Si
259	-163448	9	-163448	3.4	124.5	77.9	1837	-153996	2	-153996	3.2	93.4	0	+∞	Si
277	-157773	9	-157773	3.3	124.5	75.2	1837	-148105	2	-148105	3.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
23	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
37	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.006	1	-0.007	1	9999	Si
55	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.008	1	-0.009	1	9999	Si
74	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.01	1	-0.011	1	9999	Si
83	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.01	1	-0.012	1	9999	Si
102	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.011	1	-0.013	1	9999	Si
120	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.011	1	-0.013	1	9999	Si
139	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.011	1	-0.013	1	9999	Si
157	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.011	1	-0.012	1	9999	Si
176	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.01	1	-0.011	1	9999	Si
194	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.009	1	-0.01	1	9999	Si
213	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.007	1	-0.008	1	9999	Si
222	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.006	1	-0.007	1	9999	Si
240	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.004	1	-0.005	1	9999	Si
255	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.003	1	-0.003	1	9999	Si
259	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	2253	28074	31188	SLV 9	0.37	766	1.03	-466691	-2591995	-3611307	SLV 9	0.44	1155	1.219	Si
37	2139	28074	31188	SLV 9	0.38	773	1.034	-466691	-2591995	-3611315	SLV 9	0.44	1155	1.219	Si
55	1993	28074	31188	SLV 9	0.38	783	1.04	-457891	2504867	2494164	SLV 7	0.43	1070	1.182	Si
74	1848	28074	31188	SLV 9	0.38	792	1.045	-418136	2093337	1934685	SLV 7	0.41	946	1.124	Si
83	1775	28074	31188	SLV 9	0.38	797	1.047	-399269	1887725	1934685	SLV 7	0.45	1215	1.245	Si
102	1629	28074	29838	SLV 9	0.37	720	1.005	-363555	1477247	1934685	SLV 7	0.55	2242	1.6	Si
120	1484	28074	29838	SLV 9	0.37	729	1.01	-330534	1070610	1934685	SLV 7	0.57	2474	1.666	Si
139	1338	28074	29838	SLV 9	0.37	738	1.015	-300207	679849	1934685	SLV 11	0.57	2474	1.666	Si
157	1192	28074	30307	SLV 9	0.38	777	1.036	-203250	1060633	1934685	SLV 9	0.57	2474	1.666	Si
176	1047	28074	30307	SLV 9	0.38	787	1.042	-186778	1472348	1934685	SLV 9	0.51	1826	1.471	Si
194	901	28074	30011	SLV 9	0.38	777	1.036	-173000	1884191	1934685	SLV 9	0.41	935	1.118	Si
213	755	28074	30011	SLV 9	0.38	787	1.042	-161915	2296104	2579625	SLV 9	0.43	1108	1.199	Si
222	683	28074	30011	SLV 9	0.38	791	1.044	-157383	2502077	2726952	SLV 9	0.42	1009	1.154	Si
240	537	28074	30011	SLV 9	0.38	801	1.049	-155709	2589262	2833849	SLV 9	0.42	1013	1.156	Si
255	423	28074	30011	SLV 9	0.38	809	1.054	-155709	2589262	2833828	SLV 9	0.42	1013	1.156	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	2253	9860	31188	SLD 9	0.39	872	2.734	-466691	-1147057	-3611307	SLD 9	0.37	738	2.553	Si
37	2139	9860	31188	SLD 9	0.4	880	2.744	-466691	-1147057	-3611315	SLD 9	0.37	738	2.553	Si
55	1993	9860	31188	SLD 9	0.4	891	2.759	-457891	1108499	2494164	SLD 7	0.36	688	2.481	Si
74	1848	9860	31188	SLD 9	0.4	901	2.771	-418136	926381	1934685	SLD 7	0.34	614	2.368	Si
83	1775	9860	31188	SLD 9	0.4	907	2.779	-399269	835390	1934685	SLD 7	0.38	773	2.602	Si
102	1629	9860	29838	SLD 9	0.38	819	2.665	-363555	653738	1934685	SLD 7	0.47	1397	3.317	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
120	1484	9860	29838	SLD 9	0.39	830	2.679	-330534	473786	1934685	SLD 7	0.6	2474	4.193	Si
139	1338	9860	29838	SLD 9	0.39	840	2.693	-300207	300859	1934685	SLD 11	0.6	2474	4.193	Si
157	1192	9860	29838	SLD 9	0.39	850	2.706	-203250	469371	1934685	SLD 9	0.6	2474	4.193	Si
176	1047	9860	30307	SLD 9	0.4	896	2.765	-186778	651570	1934685	SLD 9	0.44	1140	3.052	Si
194	901	9860	30011	SLD 9	0.4	884	2.75	-173000	833827	1934685	SLD 9	0.34	607	2.357	Si
213	755	9860	30011	SLD 9	0.4	896	2.765	-161915	1016114	2579625	SLD 9	0.36	710	2.513	Si
222	683	9860	30011	SLD 9	0.4	900	2.77	-157383	1107265	2726952	SLD 9	0.35	652	2.427	Si
240	537	9860	30011	SLD 9	0.4	912	2.785	-155709	1145848	2833849	SLD 9	0.35	655	2.432	Si
255	423	9860	30011	SLD 9	0.4	921	2.796	-155709	1145848	2833828	SLD 9	0.35	655	2.432	Si

Campata 5 tra i fili 61 - 58, sezione R 45x70, asta 805

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	38.01	6.2	22.81	5.4						-1402966	SLU 30	-1273034	-4509283	0.116	Si
19	38.01	6.2	22.81	5.4						-1183239	SLU 30	-1180500	-4509283	0.116	Si
23	38.01	6.2	22.81	5.4						-1145587	SLU 30	-1145587	-4509283	0.116	Si
38	36.52	6.2	22.24	5.4						-967275	SLU 30	-1145587	-4332905	0.115	Si
58	34.71	6.3	19.66	5.4						-755073	SLU 30	-1078317	-4119170	0.116	Si
77	30.41	6.4	15.21	5.4						-546635	SLU 30	-864173	-3610569	0.116	Si
86	30.41	6.4	15.21	5.4						-443827	SLU 30	-758512	-3610569	0.116	Si
105	30.41	6.4	15.21	5.4	-140830	SLU 1	59995	1934685	0.095	-241033	SLU 30	-550012	-3610569	0.116	Si
125	30.41	6.4	15.21	5.4	-24980	SLU 1	252989	1934685	0.095	-43185	SLU 36	-345275	-3610569	0.116	Si
144	30.41	6.4	15.21	5.4	153836	SLU 29	442220	1934685	0.095	85563	SLU 8	-144302	-3610569	0.116	Si
163	30.41	6.4	15.21	5.4	345009	SLU 29	627953	1934685	0.095						Si
182	30.41	6.4	15.21	5.4	532514	SLU 30	809989	1934685	0.095						Si
201	30.41	6.4	26.29	7.1	716493	SLU 30	988263	3157310	0.112						Si
220	30.41	6.4	27.22	7.6	896709	SLU 30	1162773	3233678	0.114						Si
230	30.41	6.4	24.64	7.9	985406	SLU 30	1248617	2928566	0.111						Si
249	30.41	6.4	31.61	7.3	1159978	SLU 30	1301300	3747993	0.119						Si
265	30.41	6.4	38.01	7	1301300	SLU 30	1301300	4466691	0.135						Si
268	30.41	6.4	38.01	7	1330787	SLU 30	1328560	4466691	0.135						Si
288	30.41	6.4	38.01	7	1497833	SLU 30	1400809	4466691	0.135						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	38.01	6.2	22.81	5.4	1988569	SLV 11	1852528	2833828	0.099	-3909669	SLV 5	-3594471	-4509283	0.116	Si
19	38.01	6.2	22.81	5.4	1755236	SLV 11	1752211	2833828	0.099	-3373636	SLV 5	-3366852	-4509283	0.116	Si
23	38.01	6.2	22.81	5.4	1714361	SLV 11	1714361	2833828	0.099	-3280970	SLV 5	-3280970	-4509283	0.116	Si
38	36.52	6.2	22.24	5.4	1519053	SLV 11	1714361	2766769	0.099	-2840542	SLV 5	-3280970	-4332905	0.115	Si
58	34.71	6.3	19.66	5.4	1280039	SLV 11	1641332	2461546	0.097	-2310407	SLV 5	-3115409	-4119170	0.116	Si
77	30.41	6.4	15.21	5.4	1038228	SLV 11	1403777	1934685	0.095	-1783264	SLV 5	-2583744	-3610569	0.116	Si
86	30.41	6.4	15.21	5.4	916291	SLV 11	1283941	1934685	0.095	-1520832	SLV 5	-2319023	-3610569	0.116	Si
105	30.41	6.4	15.21	5.4	670425	SLV 11	1042175	1934685	0.095	-998318	SLV 5	-1791831	-3610569	0.116	Si
125	30.41	6.4	15.21	5.4	422168	SLV 11	797674	1934685	0.095	-479201	SLV 5	-1267694	-3610569	0.116	Si
144	30.41	6.4	15.21	5.4	314616	SLV 15	881962	1934685	0.095	-106580	SLV 1	-746760	-3610569	0.116	Si
163	30.41	6.4	15.21	5.4	636382	SLV 9	1361801	1934685	0.095	-169064	SLV 7	-512409	-3610569	0.116	Si
182	30.41	6.4	15.21	5.4	1112977	SLV 9	1853123	1934685	0.095	-392168	SLV 7	-759017	-3610569	0.116	Si
201	30.41	6.4	26.29	7.1	1597930	SLV 9	2351561	3157310	0.112	-629418	SLV 7	-1018531	-3630641	0.137	Si
220	30.41	6.4	27.22	7.6	2093889	SLV 9	2850475	3233678	0.114	-883464	SLV 7	-1284309	-3609985	0.145	Si
230	30.41	6.4	24.64	7.9	2343437	SLV 5	3099347	2928566	0.111	-1014226	SLV 11	-1418784	-3591983	0.15	No
249	30.41	6.4	31.61	7.3	2842373	SLV 5	3253392	3747993	0.119	-1279932	SLV 11	-1502740	-3640243	0.137	Si
265	30.41	6.4	38.01	7	3253392	SLV 5	3253392	4466691	0.135	-1502740	SLV 11	-1502740	-3683629	0.126	Si
268	30.41	6.4	38.01	7	3339613	SLV 5	3333387	4466691	0.135	-1549731	SLV 11	-1546478	-3683629	0.126	Si
288	30.41	6.4	38.01	7	3834480	SLV 5	3545402	4466691	0.135	-1822948	SLV 11	-1662398	-3683629	0.126	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	38.01	6.2	22.81	5.4	344547	SLD 11	334281	2833828	0.099	-2265647	SLD 5	-2076223	-4509283	0.116	Si
19	38.01	6.2	22.81	5.4	325660	SLD 11	325369	2833828	0.099	-1944060	SLD 5	-1940010	-4509283	0.116	Si
23	38.01	6.2	22.81	5.4	322007	SLD 11	322007	2833828	0.099	-1888616	SLD 5	-1888616	-4509283	0.116	Si
38	36.52	6.2	22.24	5.4	303898	SLD 11	322007	2766769	0.099	-1625388	SLD 5	-1888616	-4332905	0.115	Si
58	34.71	6.3	19.66	5.4	279270	SLD 11	315481	2461546	0.097	-1309639	SLD 5	-1789558	-4119170	0.116	Si
77	30.41	6.4	15.21	5.4	251790	SLD 11	292331	1934685	0.095	-996827	SLD 5	-1472298	-3610569	0.116	Si
86	30.41	6.4	15.21	5.4	236989	SLD 11	279683	1934685	0.095	-841530	SLD 5	-1314766	-3610569	0.116	Si
105	30.41	6.4	15.21	5.4	205295	SLD 11	252249	1934685	0.095	-533187	SLD 5	-1001906	-3610569	0.116	Si
125	30.41	6.4	15.21	5.4	170928	SLD 11	275569	1934685	0.095	-227962	SLD 5	-692011	-3610569	0.116	Si
144	30.41	6.4	15.21	5.4	197215	SLD 15	557230	1934685	0.095	10821	SLD 1	-385149	-3610569	0.116	Si
163	30.41	6.4	15.21	5.4	411879	SLD 9	839400	1934685	0.095	55439	SLD 7	-94567	-3610569	0.116	Si
182	30.41	6.4	15.21	5.4	693446	SLD 9	1125037	1934685	0.095	27363	SLD 7	-30932	-3610569	0.116	Si
201	30.41	6.4	26.29	7.1	977098	SLD 9	1412211	3157310	0.112	-8586	SLD 7	-79181	-3630641	0.137	Si
220	30.41	6.4	27.22	7.6	1264007	SLD 9	1697982	3233678	0.114	-53582	SLD 7	-131816	-3609985	0.145	Si
230	30.41	6.4	24.64	7.9	1407551	SLD 5	1840003	2928566	0.111	-78340	SLD 11	-159440	-3591983	0.15	Si
249	30.41	6.4	31.61	7.3	1693358	SLD 5	1927710	3747993	0.119	-130917	SLD 11	-177058	-3640243	0.137	Si
265	30.41	6.4	38.01	7	1927710	SLD 5	1927710	4466691	0.135	-177058	SLD 11	-177058	-3683629	0.126	Si
268	30.41	6.4	38.01	7	1976800	SLD 5	1973217	4466691	0.135	-186919	SLD 11	-186308	-3683629	0.126	Si
288	30.41	6.4	38.01	7	2257579	SLD 5	2093826	4466691	0.135	-246046	SLD 11	-210822	-3683629	0.126	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	33.81	0	11559	SLU 30	11559	15595	75956	0	15595	1	Si
10	0	30.41	0	11461	SLU 30	11461	15054	75956	0	15054	1	Si
19	0	30.41	0	11363	SLU 30	11363	15054	75956	0	15054	1	Si
23	0.302	30.41	0	11329	SLU 30	11329	15054	75956	34579	34579	1	Si
38	0.302	30.41	0	11166	SLU 30	11166	15050	75917	34561	34561	1	Si
58	0.302	30.41	0	10970	SLU 30	10970	15045	75865	34538	34538	1	Si
77	0.302	30.41	0	10774	SLU 30	10774	15031	75718	34471	34471	1	Si
86	0.302	30.41	0	10676	SLU 30	10676	15031	75718	34471	34471	1	Si
105	0.294	30.41	0	10479	SLU 30	10479	15031	75718	33604	33604	1	Si
125	0.294	30.41	0	10283	SLU 30	10283	15031	75718	33604	33604	1	Si
144	0.294	15.21	0	10087	SLU 30	10087	12021	76908	34132	34132	1	Si
163	0.294	15.21	0	9891	SLU 30	9891	12021	76908	34132	34132	1	Si
182	0.294	15.21	0	9694	SLU 30	9694	12021	76908	34132	34132	1	Si
201	0.287	15.21	0	9498	SLU 30	9498	11867	74900	32475	32475	1	Si
220	0.287	15.21	0	9302	SLU 30	9302	11817	74248	32192	32192	1	Si
230	0.287	15.21	0	9204	SLU 30	9204	11795	73969	32071	32071	1	Si
249	0.287	15.21	0	9007	SLU 30	9007	11845	74618	32352	32352	1	Si
265	0.287	26.29	0	8845	SLU 30	8845	14254	75003	32520	32520	1	Si
268	0	26.29	0	8811	SLU 30	8811	14254	75003	0	14254	1	Si
288	0	27.22	0	8615	SLU 30	8615	14419	75003	0	14419	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	33.81	0	28044	SLV 5	33263	15595	75956	0	15595	1	Si
0	0	18.37	0	-12104	SLV 11	-17324	-12803	-76908	0	-12803	1	Si
10	0	30.41	0	27968	SLV 5	33188	15054	75956	0	15054	1	Si
10	0	15.21	0	-12180	SLV 11	-17399	-12021	-76908	0	-12021	1	Si
19	0	30.41	0	27893	SLV 5	33112	15054	75956	0	15054	1	Si
19	0	15.21	0	-12255	SLV 11	-17475	-12021	-76908	0	-12021	1	Si
23	0.302	30.41	0	27867	SLV 5	33086	15054	75956	34579	34579	1	Si
23	0.302	15.21	0	-12282	SLV 11	-17501	-12021	-76908	-35013	-35013	1	Si
38	0.302	30.41	0	27742	SLV 5	32961	15050	75917	34561	34561	1	Si
38	0.302	15.21	0	-12406	SLV 11	-17626	-12021	-76908	-35013	-35013	1	Si
58	0.302	30.41	0	27591	SLV 5	32810	15045	75865	34538	34538	1	Si
58	0.302	15.21	0	-12557	SLV 11	-17777	-12021	-76908	-35013	-35013	1	Si
77	0.302	30.41	0	27440	SLV 5	32659	15031	75718	34471	34471	1	Si
77	0.302	15.21	0	-12708	SLV 11	-17928	-12021	-76908	-35013	-35013	1	Si
86	0.302	30.41	0	27365	SLV 5	32584	15031	75718	34471	34471	1	Si
86	0.302	15.21	0	-12784	SLV 11	-18003	-12021	-76908	-35013	-35013	1	Si
105	0.294	30.41	0	27214	SLV 5	32433	15031	75718	33604	33604	1	Si
105	0.294	15.21	0	-12935	SLV 11	-18154	-12021	-76908	-34132	-34132	1	Si
125	0.294	30.41	0	27063	SLV 5	32282	15031	75718	33604	33604	1	Si
125	0.294	19.66	0	-13086	SLV 11	-18305	-13096	-76908	-34132	-34132	1	Si
144	0.294	15.21	0	26912	SLV 5	32131	12021	76908	34132	34132	1	Si
144	0.294	15.21	0	-13237	SLV 11	-18456	-12021	-76908	-34132	-34132	1	Si
163	0.294	15.21	0	26761	SLV 5	31980	12021	76908	34132	34132	1	Si
163	0.294	30.41	0	-13388	SLV 11	-18607	-15031	-75718	-33604	-33604	1	Si
182	0.294	15.21	0	26610	SLV 5	31829	12021	76908	34132	34132	1	Si
182	0.294	30.41	0	-13539	SLV 11	-18758	-15031	-75718	-33604	-33604	1	Si
201	0.287	15.21	0	26459	SLV 5	31678	11867	74900	32475	32475	1	Si
201	0.287	30.41	0	-13690	SLV 11	-18909	-15031	-75718	-32829	-32829	1	Si
220	0.287	15.21	0	26308	SLV 5	31527	11817	74248	32192	32192	1	Si
220	0.287	30.41	0	-13841	SLV 11	-19060	-15031	-75718	-32829	-32829	1	Si
230	0.287	15.21	0	26232	SLV 5	31451	11795	73969	32071	32071	1	Si
230	0.287	30.41	0	-13916	SLV 11	-19135	-15031	-75718	-32829	-32829	1	Si
249	0.287	15.21	0	26081	SLV 5	31301	11845	74618	32352	32352	1	Si
249	0.287	30.41	0	-14067	SLV 11	-19286	-15031	-75718	-32829	-32829	1	Si
265	0.287	26.29	0	25956	SLV 5	31176	14254	75003	32520	32520	1	Si
265	0.287	30.41	0	-14192	SLV 11	-19411	-15031	-75718	-32829	-32829	1	Si
268	0	26.29	0	25930	SLV 5	31150	14254	75003	0	14254	1	Si
268	0	30.41	0	-14218	SLV 11	-19437	-15031	-75718	0	-15031	1	Si
288	0	27.22	0	25779	SLV 5	30999	14419	75003	0	14419	1	Si
288	0	30.41	0	-14369	SLV 11	-19588	-15031	-75718	0	-15031	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	33.81	0	16853	SLD 5	16853	15595	75956	0	15595	1	Si
0	0	18.37	0	-914	SLD 11	-914	-12803	-76908	0	-12803	1	Si
10	0	30.41	0	16778	SLD 5	16778	15054	75956	0	15054	1	Si
10	0	15.21	0	-989	SLD 11	-989	-12021	-76908	0	-12021	1	Si
19	0	30.41	0	16702	SLD 5	16702	15054	75956	0	15054	1	Si
19	0	15.21	0	-1065	SLD 11	-1065	-12021	-76908	0	-12021	1	Si
23	0.302	30.41	0	16676	SLD 5	16676	15054	75956	34579	34579	1	Si
23	0.302	15.21	0	-1091	SLD 11	-1091	-12021	-76908	-35013	-35013	1	Si
38	0.302	30.41	0	16551	SLD 5	16551	15050	75917	34561	34561	1	Si
38	0.302	15.21	0	-1216	SLD 11	-1216	-12021	-76908	-35013	-35013	1	Si
58	0.302	30.41	0	16400	SLD 5	16400	15045	75865	34538	34538	1	Si
58	0.302	15.21	0	-1367	SLD 11	-1367	-12021	-76908	-35013	-35013	1	Si
77	0.302	30.41	0	16249	SLD 5	16249	15031	75718	34471	34471	1	Si
77	0.302	15.21	0	-1518	SLD 11	-1518	-12021	-76908	-35013	-35013	1	Si
86	0.302	30.41	0	16174	SLD 5	16174	15031	75718	34471	34471	1	Si
86	0.302	15.21	0	-1593	SLD 11	-1593	-12021	-76908	-35013	-35013	1	Si
105	0.294	30.41	0	16023	SLD 5	16023	15031	75718	33604	33604	1	Si
105	0.294	15.21	0	-1744	SLD 11	-1744	-12021	-76908	-34132	-34132	1	Si
125	0.294	30.41	0	15872	SLD 5	15872	15031	75718	33604	33604	1	Si
125	0.294	19.66	0	-1895	SLD 11	-1895	-13096	-76908	-34132	-34132	1	Si
144	0.294	15.21	0	15721	SLD 5	15721	12021	76908	34132	34132	1	Si
144	0.294	15.21	0	-2046	SLD 11	-2046	-12021	-76908	-34132	-34132	1	Si
163	0.294	15.21	0	15570	SLD 5	15570	12021	76908	34132	34132	1	Si
163	0.294	15.21	0	-2197	SLD 11	-2197	-12021	-76908	-34132	-34132	1	Si
182	0.294	15.21	0	15419	SLD 5	15419	12021	76908	34132	34132	1	Si
182	0.294	15.21	0	-2348	SLD 11	-2348	-12021	-76908	-34132	-34132	1	Si
201	0.287	15.21	0	15268	SLD 5	15268	11867	74900	32475	32475	1	Si
201	0.287	15.21	0	-2499	SLD 11	-2499	-11867	-74900	-32475	-32475	1	Si
220	0.287	15.21	0	15117	SLD 5	15117	11817	74248	32192	32192	1	Si
220	0.287	30.41	0	-2650	SLD 11	-2650	-15031	-75718	-32829	-32829	1	Si
230	0.287	15.21	0	15042	SLD 5	15042	11795	73969	32071	32071	1	Si
230	0.287	30.41	0	-2726	SLD 11	-2726	-15031	-75718	-32829	-32829	1	Si
249	0.287	15.21	0	14891	SLD 5	14891	11845	74618	32352	32352	1	Si
249	0.287	30.41	0	-2877	SLD 11	-2877	-15031	-75718	-32829	-32829	1	Si
265	0.287	26.29	0	14766	SLD 5	14766	14254	75003	32520	32520	1	Si
265	0.287	30.41	0	-3001	SLD 11	-3001	-15031	-75718	-32829	-32829	1	Si
268	0	26.29	0	14740	SLD 5	14740	14254	75003	0	14254	1	Si
268	0	30.41	0	-3027	SLD 11	-3027	-15031	-75718	0	-15031	1	Si
288	0	27.22	0	14589	SLD 5	14589	14419	75003	0	14419	1	Si
288	0	30.41	0	-3178	SLD 11	-3178	-15031	-75718	0	-15031	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1030547	3	-934852	19.6	124.5	445.8	1837	-960550	2	-870971	18.2	93.4	0	+∞	Si
19	-868773	3	-866760	18.2	124.5	413.4	1837	-809200	2	-807320	16.9	93.4	0	+∞	Si
23	-841068	3	-841068	17.6	124.5	401.1	1837	-783304	2	-783304	16.4	93.4	0	+∞	Si
38	-709894	3	-841068	17.9	124.5	417.5	1837	-660745	2	-783304	16.7	93.4	0	+∞	Si
58	-553910	3	-791570	17.6	124.5	414.4	1837	-515184	2	-737039	16.4	93.4	0	+∞	Si
77	-400820	3	-634091	15.5	124.5	380.6	1837	-372518	2	-589984	14.4	93.4	0	+∞	Si
86	-325361	3	-556437	13.6	124.5	334	1837	-302271	2	-517541	12.6	93.4	0	+∞	Si
105	-176613	3	-403300	9.8	124.5	242.1	1837	-163946	2	-374828	9.2	93.4	0	+∞	Si
125	-31548	9	-253057	6.2	124.5	151.9	1837	-28517	2	-235010	5.7	93.4	0	+∞	Si
144	112579	2	323476	8.4	124.5	361.8	1837	104018	2	299444	7.8	93.4	0	+∞	Si
163	252422	2	459107	11.9	124.5	513.4	1837	233659	2	424696	11	93.4	0	+∞	Si
182	389434	3	591887	15.3	124.5	661.9	1837	360405	2	547053	14.2	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
201	523709	3	721774	16.2	124.5	506.9	1837	484256	2	666515	15	93.4	0	+∞	Si
220	655089	3	848765	19.2	124.5	589.7	1837	605213	2	783083	17.7	93.4	0	+∞	Si
230	719694	3	911175	21.3	124.5	703	1837	664606	2	840281	19.7	93.4	0	+∞	Si
249	846733	3	949453	20.3	124.5	564.7	1837	781220	2	875326	18.8	93.4	0	+∞	Si
265	949453	3	949453	19.2	124.5	467.5	1837	875326	2	875326	17.7	93.4	0	+∞	Si
268	970877	3	969257	19.6	124.5	477.3	1837	894941	2	893454	18	93.4	0	+∞	Si
288	1092127	3	1021745	20.6	124.5	503.1	1837	1005766	2	941502	19	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
23	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.002	1	-0.003	1	9999	Si
38	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
58	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
77	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
86	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
105	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
125	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
144	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.004	2	0.004	2	9999	Si
163	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.006	2	0.005	2	9999	Si
182	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.008	2	0.007	2	9999	Si
201	0.006	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.009	2	0.008	2	9999	Si
211	0.006	0.005	0.005	0.004	0.006	0.005	0.004	0.004	0.005	0.005	0.009	2	0.008	2	9999	Si
220	0.006	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.009	2	0.008	2	9999	Si
230	0.006	0.005	0.004	0.003	0.005	0.005	0.004	0.003	0.005	0.005	0.008	2	0.007	2	9999	Si
249	0.005	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.006	2	9999	Si
265	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.004	2	9999	Si
268	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.004	2	0.004	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	7793	25293	34579	SLV 5	0.38	818	1.059	-783304	2497665	2833828	SLV 11	0.52	1851	1.48	Si
38	7668	25293	34561	SLV 5	0.39	826	1.063	-783304	-2497665	-4332905	SLV 5	0.51	1759	1.449	Si
58	7517	25293	34538	SLV 5	0.39	836	1.068	-737039	2378371	2461546	SLV 11	0.48	1518	1.364	Si
77	7366	25293	34471	SLV 5	0.39	842	1.071	-589984	1993760	1934685	SLV 11	0.46	1294	1.278	Si
86	7290	25293	34471	SLV 5	0.39	848	1.074	-517541	1801482	1934685	SLV 11	0.49	1568	1.382	Si
105	7139	25293	33604	SLV 5	0.38	794	1.046	-374828	1417003	1934685	SLV 11	0.57	2474	1.666	Si
125	6988	25293	33604	SLV 5	0.38	806	1.052	-235010	1032684	1934685	SLV 11	0.57	2474	1.666	Si
144	6837	25293	34132	SLV 5	0.39	857	1.079	299444	582517	1934685	SLV 9	0.57	2474	1.666	Si
163	6686	25293	34132	SLV 5	0.39	868	1.085	424696	937105	1934685	SLV 9	0.57	2462	1.663	Si
182	6536	25293	34132	SLV 5	0.4	880	1.091	547053	1306070	1934685	SLV 9	0.39	825	1.062	Si
201	6385	25293	32475	SLV 5	0.37	767	1.031	666515	1685046	3157310	SLV 5	0.53	1955	1.513	Si
220	6234	25293	32192	SLV 5	0.37	758	1.026	783083	2067392	3233678	SLV 5	0.43	1086	1.189	Si
230	6158	25293	32071	SLV 5	0.37	755	1.024	840281	2259066	2928566	SLV 5	0.34	588	0.925	No
249	6007	25293	32352	SLV 5	0.38	786	1.041	875326	2378066	3747993	SLV 5	0.44	1142	1.214	Si
265	5882	25293	32520	SLV 5	0.38	807	1.053	875326	2378066	4466691	SLV 5	0.54	2070	1.549	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	7793	8884	34579	SLD 5	0.4	931	2.809	-783304	1105312	2833828	SLD 11	0.44	1155	3.068	Si
38	7668	8884	34561	SLD 5	0.41	940	2.82	-783304	-1105312	-4332905	SLD 5	0.43	1099	3.006	Si
58	7517	8884	34538	SLD 5	0.41	951	2.833	-737039	1052519	2461546	SLD 11	0.41	949	2.831	Si
77	7366	8884	34471	SLD 5	0.41	958	2.842	-589984	882315	1934685	SLD 11	0.38	819	2.665	Si
86	7290	8884	34471	SLD 5	0.41	965	2.85	-517541	797224	1934685	SLD 11	0.41	978	2.866	Si
105	7139	8884	33604	SLD 5	0.4	904	2.775	-374828	627078	1934685	SLD 11	0.49	1582	3.491	Si
125	6988	8884	33604	SLD 5	0.4	917	2.791	-235010	457002	1934685	SLD 11	0.6	2474	4.193	Si
144	6837	8884	34132	SLD 5	0.41	975	2.862	299444	257786	1934685	SLD 9	0.6	2474	4.193	Si
163	6686	8884	34132	SLD 5	0.41	989	2.879	424696	414704	1934685	SLD 9	0.48	1534	3.447	Si
182	6536	8884	34132	SLD 5	0.42	1004	2.897	547053	577985	1934685	SLD 9	0.32	535	2.238	Si
201	6385	8884	32475	SLD 5	0.39	873	2.736	666515	745696	3157310	SLD 5	0.45	1220	3.138	Si
220	6234	8884	32192	SLD 5	0.39	863	2.723	783083	914899	3233678	SLD 5	0.36	698	2.496	Si
230	6158	8884	32071	SLD 5	0.39	859	2.717	840281	999722	2928566	SLD 5	0.29	391	1.968	Si
249	6007	8884	32352	SLD 5	0.4	894	2.762	875326	1052384	3747993	SLD 5	0.37	730	2.542	Si
265	5882	8884	32520	SLD 5	0.4	918	2.792	875326	1052384	4466691	SLD 5	0.46	1292	3.212	Si

Campata 6 tra i fili 58 - 55, sezione R 45x70, asta 806

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	6.4	38.01	7	473555	SLU 30	473555	4466691	0.135						Si
19	30.41	6.4	38.01	7	525120	SLU 30	525120	4466691	0.135						Si
23	30.41	6.4	38.01	7	534108	SLU 30	604802	4466691	0.135						Si
38	30.41	6.4	36.97	6.9	572989	SLU 30	639049	4358382	0.132						Si
57	27.26	6.4	31.86	6.5	617162	SLU 30	677568	3810485	0.122						Si
76	21.88	6.3	22.81	5.4	657639	SLU 30	712391	2811211	0.106						Si
85	19.2	6.2	22.81	5.4	676492	SLU 30	728417	2804103	0.107						Si
104	7.6	5.4	22.81	5.4	711426	SLU 30	757696	2772675	0.114						Si
123	7.6	5.4	22.81	5.4	742664	SLU 30	783280	2772675	0.114						Si
142	7.6	5.4	22.81	5.4	770207	SLU 30	805167	2772675	0.114						Si
161	7.6	5.4	22.81	5.4	794053	SLU 30	823360	2772675	0.114						Si
180	7.6	5.4	22.81	5.4	814204	SLU 30	837856	2772675	0.114						Si
199	15.13	5.9	22.81	5.4	830659	SLU 30	848657	2788267	0.106						Si
209	16.92	6	22.81	5.4	837501	SLU 30	852671	2791877	0.105						Si
218	18.71	6	26.05	5.6	843419	SLU 30	855762	3165842	0.11						Si
228	20.51	6	27.33	5.7	848412	SLU 30	857928	3315435	0.111						Si
247	22.81	6.1	29.89	5.9	855628	SLU 30	858670	3611986	0.114						Si
262	22.81	6.1	30.41	5.9	858670	SLU 30	858670	3670760	0.115						Si
266	22.81	6.1	30.41	5.9	859148	SLU 30	859070	3670760	0.115						Si
285	22.81	6.1	30.41	5.9	858973	SLU 30	858973	3670760	0.115						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	6.4	38.01	7	3171372	SLV 7	2973836	4466691	0.135	-2559574	SLV 9	-2315479	-3683629	0.126	Si
19	30.41	6.4	38.01	7	2834559	SLV 7	2830044	4466691	0.135	-2146691	SLV 9	-2141212	-3683629	0.126	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
23	30.41	6.4	38.01	7	2772189	SLV 7	2772189	4466691	0.135	-2071095	SLV 9	-2071095	-3683629	0.126	Si
38	30.41	6.4	36.97	6.9	2495423	SLV 7	2772189	4358382	0.132	-1737171	SLV 9	-2071095	-3682829	0.125	Si
57	27.26	6.4	31.86	6.5	2154167	SLV 7	2675427	3810485	0.122	-1331218	SLV 9	-1953812	-3318842	0.114	Si
76	21.88	6.3	22.81	5.4	1811071	SLV 7	2335267	2811211	0.106	-929110	SLV 9	-1545940	-2625192	0.095	Si
85	19.2	6.2	22.81	5.4	1638939	SLV 7	2164420	2804103	0.107	-729605	SLV 9	-1343369	-2314347	0.092	Si
104	7.6	5.4	22.81	5.4	1293733	SLV 7	1821377	2772675	0.114	-333915	SLV 9	-941143	-971715	0.08	Si
123	7.6	5.4	22.81	5.4	947525	SLV 7	1476827	2772675	0.114	57091	SLV 9	-543097	-971715	0.08	Si
142	7.6	5.4	22.81	5.4	666897	SLV 3	1131118	2772675	0.114	376831	SLV 13	-149577	-971715	0.08	Si
161	7.6	5.4	22.81	5.4	911355	SLV 5	1501578	2772675	0.114	165799	SLV 11	-384327	-971715	0.08	Si
180	7.6	5.4	22.81	5.4	1297575	SLV 5	1884995	2772675	0.114	-192681	SLV 11	-748702	-971715	0.08	Si
199	15.13	5.9	22.81	5.4	1682058	SLV 5	2266213	2788267	0.106	-555109	SLV 11	-1116565	-1848687	0.088	Si
218	18.71	6	26.05	5.6	2064471	SLV 5	2645050	3165842	0.11	-921153	SLV 11	-1487732	-2278963	0.093	Si
228	20.51	6	27.33	5.7	2254827	SLV 5	2833534	3315435	0.111	-1105457	SLV 11	-1674513	-2492541	0.095	Si
247	22.81	6.1	29.89	5.9	2633738	SLV 5	2940924	3611986	0.114	-1476528	SLV 11	-1781694	-2770793	0.098	Si
262	22.81	6.1	30.41	5.9	2940924	SLV 5	2940924	3670760	0.115	-1781694	SLV 11	-1781694	-2772806	0.098	Si
266	22.81	6.1	30.41	5.9	3010145	SLV 5	3002022	3670760	0.115	-1850779	SLV 11	-1842731	-2772806	0.098	Si
285	22.81	6.1	30.41	5.9	3383958	SLV 5	3153874	3670760	0.115	-2228124	SLV 11	-1994432	-2772806	0.098	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	6.4	38.01	7	1573981	SLD 7	1499541	4466691	0.135	-962183	SLD 9	-841184	-3683629	0.126	Si
19	30.41	6.4	38.01	7	1446131	SLD 7	1444402	4466691	0.135	-758264	SLD 9	-755570	-3683629	0.126	Si
23	30.41	6.4	38.01	7	1422217	SLD 7	1422217	4466691	0.135	-721122	SLD 9	-721122	-3683629	0.126	Si
38	30.41	6.4	36.97	6.9	1315668	SLD 7	1422217	4358382	0.132	-557417	SLD 9	-721122	-3682829	0.125	Si
57	27.26	6.4	31.86	6.5	1182683	SLD 7	1385116	3810485	0.122	-359734	SLD 9	-663500	-3318842	0.114	Si
76	21.88	6.3	22.81	5.4	1047298	SLD 7	1253455	2811211	0.106	-165337	SLD 9	-464128	-2625192	0.095	Si
85	19.2	6.2	22.81	5.4	978753	SLD 7	1186691	2804103	0.107	-69419	SLD 9	-365640	-2314347	0.092	Si
104	7.6	5.4	22.81	5.4	840058	SLD 7	1051377	2772675	0.114	119760	SLD 9	-171144	-971715	0.08	Si
123	7.6	5.4	22.81	5.4	699334	SLD 7	913812	2772675	0.114						Si
142	7.6	5.4	22.81	5.4	586047	SLD 3	798494	2772675	0.114						Si
161	7.6	5.4	22.81	5.4	703546	SLD 5	975918	2772675	0.114						Si
180	7.6	5.4	22.81	5.4	882195	SLD 5	1150902	2772675	0.114	222700	SLD 11	-14610	-971715	0.08	Si
199	15.13	5.9	22.81	5.4	1058491	SLD 5	1323329	2788267	0.106	68458	SLD 11	-173680	-1848687	0.088	Si
209	16.92	6	22.81	5.4	1145708	SLD 5	1408556	2791877	0.105	-9863	SLD 11	-254362	-2057254	0.09	Si
218	18.71	6	26.05	5.6	1232285	SLD 5	1493116	3165842	0.11	-88967	SLD 11	-335798	-2278963	0.093	Si
228	20.51	6	27.33	5.7	1318212	SLD 5	1577002	3315435	0.111	-168842	SLD 11	-417982	-2492541	0.095	Si
247	22.81	6.1	29.89	5.9	1488080	SLD 5	1624585	3611986	0.114	-330870	SLD 11	-465355	-2770793	0.098	Si
262	22.81	6.1	30.41	5.9	1624585	SLD 5	1624585	3670760	0.115	-465355	SLD 11	-465355	-2772806	0.098	Si
266	22.81	6.1	30.41	5.9	1655255	SLD 5	1651640	3670760	0.115	-495890	SLD 11	-492349	-2772806	0.098	Si
285	22.81	6.1	30.41	5.9	1819698	SLD 5	1718883	3670760	0.115	-663864	SLD 11	-559440	-2772806	0.098	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	29.3	0	2811	SLU 30	2811	14777	75003	0	14777	1	Si
9	0	22.81	0	2714	SLU 30	2714	13594	75003	0	13594	1	Si
19	0	22.81	0	2617	SLU 30	2617	13594	75003	0	13594	1	Si
23	0.244	22.81	0	2581	SLU 30	2581	13594	75003	27642	27642	1	Si
38	0.244	22.81	0	2422	SLU 30	2422	13601	75084	27671	27671	1	Si
57	0.244	22.81	0	2228	SLU 30	2228	13642	75556	27845	27845	1	Si
76	0.244	22.81	0	2033	SLU 30	2033	13761	76908	28344	28344	1	Si
85	0.244	22.81	0	1936	SLU 30	1936	13761	76908	28344	28344	1	Si
104	0.231	22.81	0	1741	SLU 30	1741	13761	76908	26843	26843	1	Si
123	0.231	22.81	0	1547	SLU 30	1547	13761	76908	26843	26843	1	Si
142	0.231	22.81	0	1352	SLU 30	1352	13761	76908	26843	26843	1	Si
161	0.231	22.81	0	1158	SLU 30	1158	13761	76908	26843	26843	1	Si
180	0.231	22.81	0	963	SLU 30	963	13761	76908	26843	26843	1	Si
199	0.23	22.81	0	769	SLU 30	769	13761	76908	26676	26676	1	Si
218	0.23	22.81	0	574	SLU 30	574	13735	76612	26574	26574	1	Si
228	0.23	22.81	0	477	SLU 30	477	13726	76514	26540	26540	1	Si
247	0.23	22.81	0	294	SLU 12	294	13711	76344	26481	26481	1	Si
262	0.23	22.81	0	171	SLU 12	171	13709	76313	26470	26470	1	Si
262	0.23	22.81	0	-131	SLU 19	-131	-13709	-76313	-26470	-26470	1	Si
266	0	22.81	0	144	SLU 12	144	13709	76313	0	13709	1	Si
266	0	22.81	0	-167	SLU 19	-167	-13709	-76313	0	-13709	1	Si
285	0	26.05	0	-361	SLU 19	-361	-14330	-76313	0	-14330	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	24.57	0	21900	SLV 9	27054	13999	75718	0	13999	1	Si
0	0	29.3	0	-17747	SLV 7	-22901	-14777	-75003	0	-14777	1	Si
19	0	19.2	0	21751	SLV 9	26905	12894	75718	0	12894	1	Si
19	0	22.81	0	-17897	SLV 7	-23051	-13594	-75003	0	-13594	1	Si
23	0.244	19.2	0	21723	SLV 9	26877	12894	75718	27905	27905	1	Si
23	0.244	22.81	0	-17924	SLV 7	-23078	-13594	-75003	-27642	-27642	1	Si
38	0.244	7.6	0	21601	SLV 9	26755	9469	75718	27905	27905	1	Si
38	0.244	22.81	0	-18046	SLV 7	-23200	-13601	-75084	-27671	-27671	1	Si
57	0.244	7.6	0	21451	SLV 9	26605	9472	75764	27922	27922	1	Si
57	0.244	22.81	0	-18196	SLV 7	-23350	-13642	-75556	-27845	-27845	1	Si
76	0.244	7.6	0	21302	SLV 9	26456	9478	75872	27962	27962	1	Si
76	0.244	22.81	0	-18345	SLV 7	-23500	-13761	-76908	-28344	-28344	1	Si
85	0.244	7.6	0	21227	SLV 9	26381	9483	75950	27990	27990	1	Si
85	0.244	22.81	0	-18420	SLV 7	-23574	-13761	-76908	-28344	-28344	1	Si
104	0.231	7.6	0	21077	SLV 9	26231	9541	76908	26843	26843	1	Si
104	0.231	22.81	0	-18570	SLV 7	-23724	-13761	-76908	-26843	-26843	1	Si
123	0.231	22.81	0	20928	SLV 9	26082	13761	76908	26843	26843	1	Si
123	0.231	22.81	0	-18720	SLV 7	-23874	-13761	-76908	-26843	-26843	1	Si
142	0.231	22.81	0	20778	SLV 9	25932	13761	76908	26843	26843	1	Si
142	0.231	22.81	0	-18869	SLV 7	-24023	-13761	-76908	-26843	-26843	1	Si
161	0.231	22.81	0	20628	SLV 9	25783	13761	76908	26843	26843	1	Si
161	0.231	22.81	0	-19019	SLV 7	-24173	-13761	-76908	-26843	-26843	1	Si
180	0.231	22.81	0	20479	SLV 9	25633	13761	76908	26843	26843	1	Si
180	0.231	7.6	0	-19168	SLV 7	-24323	-9541	-76908	-26843	-26843	1	Si
199	0.23	22.81	0	20329	SLV 9	25483	13761	76908	26676	26676	1	Si
199	0.23	7.6	0	-19318	SLV 7	-24472	-9505	-76316	-26471	-26471	1	Si
218	0.23	22.81	0	20180	SLV 9	25334	13735	76612	26574	26574	1	Si
218	0.23	7.6	0	-19468	SLV 7	-24622	-9498	-76201	-26431	-26431	1	Si
228	0.23	22.81	0	20105	SLV 9	25259	13726	76514	26540	26540	1	Si
228	0.23	7.6	0	-19542	SLV 7	-24697	-9496	-76159	-26417	-26417	1	Si
247	0.23	22.81	0	19955	SLV 9	25109	13711	76344	26481	26481	1	Si
247	0.23	7.6	0	-19692	SLV 7	-24846	-9493	-76115	-26401	-26401	1	Si
262	0.23	22.81	0	19833	SLV 9	24987	13709	76313	26470	26470	1	Si
262	0.23	15.13	0	-19814	SLV 7	-24968	-11941	-76115	-26401	-26401	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
266	0	22.81	0	19805	SLV 9	24960	13709	76313	0	13709	1	Si
266	0	15.13	0	-19842	SLV 7	-24996	-11941	-76115	0	-11941	1	Si
285	0	26.05	0	19656	SLV 9	24810	14330	76313	0	14330	1	Si
285	0	18.71	0	-19991	SLV 7	-25145	-12817	-76115	0	-12817	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	24.57	0	10849	SLD 9	10849	13999	75718	0	13999	1	Si
0	0	29.3	0	-6696	SLD 7	-6696	-14777	-75003	0	-14777	1	Si
19	0	19.2	0	10700	SLD 9	10700	12894	75718	0	12894	1	Si
19	0	22.81	0	-6846	SLD 7	-6846	-13594	-75003	0	-13594	1	Si
23	0.244	19.2	0	10672	SLD 9	10672	12894	75718	27905	27905	1	Si
23	0.244	22.81	0	-6873	SLD 7	-6873	-13594	-75003	-27642	-27642	1	Si
38	0.244	7.6	0	10550	SLD 9	10550	9469	75718	27905	27905	1	Si
38	0.244	22.81	0	-6995	SLD 7	-6995	-13601	-75084	-27671	-27671	1	Si
57	0.244	7.6	0	10400	SLD 9	10400	9472	75764	27922	27922	1	Si
57	0.244	22.81	0	-7145	SLD 7	-7145	-13642	-75556	-27845	-27845	1	Si
76	0.244	7.6	0	10251	SLD 9	10251	9478	75872	27962	27962	1	Si
76	0.244	22.81	0	-7295	SLD 7	-7295	-13761	-76908	-28344	-28344	1	Si
85	0.244	7.6	0	10176	SLD 9	10176	9483	75950	27990	27990	1	Si
85	0.244	22.81	0	-7369	SLD 7	-7369	-13761	-76908	-28344	-28344	1	Si
104	0.231	22.81	0	10026	SLD 9	10026	13761	76908	26843	26843	1	Si
104	0.231	22.81	0	-7519	SLD 7	-7519	-13761	-76908	-26843	-26843	1	Si
123	0.231	22.81	0	9877	SLD 9	9877	13761	76908	26843	26843	1	Si
123	0.231	22.81	0	-7669	SLD 7	-7669	-13761	-76908	-26843	-26843	1	Si
142	0.231	22.81	0	9727	SLD 9	9727	13761	76908	26843	26843	1	Si
142	0.231	22.81	0	-7818	SLD 7	-7818	-13761	-76908	-26843	-26843	1	Si
161	0.231	22.81	0	9578	SLD 9	9578	13761	76908	26843	26843	1	Si
161	0.231	22.81	0	-7968	SLD 7	-7968	-13761	-76908	-26843	-26843	1	Si
180	0.231	22.81	0	9428	SLD 9	9428	13761	76908	26843	26843	1	Si
180	0.231	22.81	0	-8117	SLD 7	-8117	-13761	-76908	-26843	-26843	1	Si
199	0.23	22.81	0	9278	SLD 9	9278	13761	76908	26676	26676	1	Si
199	0.23	22.81	0	-8267	SLD 7	-8267	-13761	-76908	-26676	-26676	1	Si
218	0.23	22.81	0	9129	SLD 9	9129	13735	76612	26574	26574	1	Si
218	0.23	7.6	0	-8417	SLD 7	-8417	-9498	-76201	-26431	-26431	1	Si
228	0.23	22.81	0	9054	SLD 9	9054	13726	76514	26540	26540	1	Si
228	0.23	7.6	0	-8492	SLD 7	-8492	-9496	-76159	-26417	-26417	1	Si
247	0.23	22.81	0	8904	SLD 9	8904	13711	76344	26481	26481	1	Si
247	0.23	7.6	0	-8641	SLD 7	-8641	-9493	-76115	-26401	-26401	1	Si
262	0.23	22.81	0	8782	SLD 9	8782	13709	76313	26470	26470	1	Si
262	0.23	15.13	0	-8763	SLD 7	-8763	-11941	-76115	-26401	-26401	1	Si
266	0	22.81	0	8755	SLD 9	8755	13709	76313	0	13709	1	Si
266	0	15.13	0	-8791	SLD 7	-8791	-11941	-76115	0	-11941	1	Si
285	0	26.05	0	8605	SLD 9	8605	14330	76313	0	14330	1	Si
285	0	18.71	0	-8940	SLD 7	-8940	-12817	-76115	0	-12817	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	339964	3	339964	6.9	124.5	167.4	1837	305899	2	305899	6.2	93.4	0	+∞	Si
19	378986	3	378986	7.6	124.5	186.6	1837	343934	2	343934	6.9	93.4	0	+∞	Si
23	385781	3	439176	8.9	124.5	216.3	1837	350547	2	402433	8.1	93.4	0	+∞	Si
38	415165	3	464996	9.4	124.5	234.4	1837	379126	2	427447	8.7	93.4	0	+∞	Si
57	448500	3	493982	10.7	124.5	283	1837	411474	2	455446	9.8	93.4	0	+∞	Si
76	478993	3	520126	12.7	124.5	394	1837	440980	2	480602	11.8	93.4	0	+∞	Si
85	493174	3	532131	13.4	124.5	403.8	1837	454667	2	492115	12.4	93.4	0	+∞	Si
104	519403	3	554010	15.9	124.5	424.7	1837	479909	2	513007	14.7	93.4	0	+∞	Si
123	542788	3	573047	16.4	124.5	439.3	1837	502308	2	531056	15.2	93.4	0	+∞	Si
142	563332	3	589240	16.9	124.5	451.7	1837	521864	2	546262	15.7	93.4	0	+∞	Si
161	581032	3	602590	17.3	124.5	461.9	1837	538577	2	558626	16	93.4	0	+∞	Si
180	595889	3	613098	17.6	124.5	470	1837	552447	2	568146	16.3	93.4	0	+∞	Si
199	607903	3	620763	16.3	124.5	472.1	1837	563475	2	574824	15.1	93.4	0	+∞	Si
218	617075	3	625585	15.2	124.5	421.6	1837	571659	2	578659	14.1	93.4	0	+∞	Si
228	620594	3	626930	14.8	124.5	404.2	1837	574685	2	579510	13.7	93.4	0	+∞	Si
247	625502	3	627316	14.1	124.5	372.7	1837	578605	2	579615	13	93.4	0	+∞	Si
262	627316	3	627316	14.1	124.5	367	1837	579615	2	579615	13	93.4	0	+∞	Si
266	627566	3	627515	14.1	124.5	367.1	1837	579683	2	579646	13	93.4	0	+∞	Si
285	626787	3	626787	14	124.5	366.6	1837	577917	2	577917	12.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
23	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.006	2	9999	Si
38	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.011	2	0.01	2	9999	Si
57	0.009	0.007	0.008	0.006	0.009	0.007	0.007	0.006	0.008	0.007	0.016	2	0.014	2	9999	Si
76	0.011	0.009	0.009	0.008	0.011	0.009	0.009	0.008	0.01	0.009	0.02	2	0.018	2	9999	Si
85	0.012	0.01	0.01	0.008	0.012	0.01	0.01	0.008	0.011	0.01	0.022	2	0.019	2	9999	Si
104	0.014	0.011	0.012	0.009	0.013	0.011	0.011	0.009	0.013	0.011	0.025	2	0.022	2	9999	Si
123	0.015	0.012	0.012	0.01	0.014	0.012	0.012	0.01	0.014	0.012	0.027	2	0.023	2	9999	Si
142	0.015	0.012	0.013	0.01	0.014	0.012	0.012	0.01	0.014	0.012	0.027	2	0.024	2	9999	Si
152	0.015	0.012	0.013	0.01	0.014	0.012	0.012	0.01	0.014	0.012	0.027	2	0.024	2	9999	Si
161	0.015	0.012	0.013	0.01	0.014	0.012	0.012	0.01	0.014	0.012	0.027	2	0.024	2	9999	Si
180	0.014	0.012	0.012	0.01	0.014	0.012	0.011	0.01	0.013	0.012	0.026	2	0.023	2	9999	Si
199	0.013	0.011	0.011	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.024	2	0.021	2	9999	Si
218	0.011	0.009	0.009	0.008	0.011	0.009	0.009	0.008	0.01	0.009	0.02	2	0.018	2	9999	Si
228	0.01	0.008	0.008	0.007	0.01	0.008	0.008	0.007	0.009	0.008	0.018	2	0.016	2	9999	Si
247	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.013	2	0.011	2	9999	Si
262	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
266	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.006	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1899	24978	27905	SLV 9	0.38	785	1.041	350547	-2421642	-3683629	SLV 9	0.57	2474	1.666	Si
38	1777	24978	27905	SLV 9	0.38	794	1.046	350547	2421642	4358382	SLV 7	0.57	2474	1.666	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
57	1628	24978	27922	SLV 9	0.38	806	1.052	360808	2314619	3810485	SLV 7	0.53	1998	1.527	Si
76	1478	24978	27962	SLV 9	0.38	821	1.06	394664	1940603	2811211	SLV 7	0.45	1238	1.255	Si
85	1403	24978	27990	SLV 9	0.39	828	1.064	410525	1753894	2804103	SLV 7	0.49	1579	1.386	Si
104	1254	24978	26843	SLV 9	0.37	755	1.024	440117	-1381260	-971715	SLV 9	0.37	750	1.022	Si
123	1104	24978	26843	SLV 9	0.37	765	1.03	466865	-1009962	-971715	SLV 9	0.51	1770	1.453	Si
142	954	24978	26843	SLV 9	0.38	776	1.036	490771	-640348	-971715	SLV 9	0.57	2474	1.666	Si
161	805	24978	26843	SLV 9	0.38	787	1.042	558626	-942953	-971715	SLV 11	0.57	2474	1.666	Si
180	655	24978	26843	SLV 9	0.38	798	1.048	568146	-1316849	-971715	SLV 11	0.42	1048	1.172	Si
199	506	24978	26676	SLV 9	0.38	797	1.047	574824	1691389	2788267	SLV 5	0.47	1412	1.324	Si
218	356	24978	26574	SLV 9	0.38	801	1.049	578659	2066391	3165842	SLV 5	0.45	1256	1.262	Si
228	281	24978	26540	SLV 9	0.38	804	1.051	579510	2254023	3315435	SLV 5	0.44	1157	1.22	Si
247	132	24978	26481	SLV 9	0.38	810	1.054	579615	2361309	3611986	SLV 5	0.46	1343	1.297	Si
262	9	-24978	-26401	SLV 7	0.38	815	1.057	579615	2361309	3670760	SLV 5	0.47	1413	1.324	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1899	8773	27905	SLD 9	0.4	893	2.761	350547	-1071670	-3683629	SLD 9	0.5	1677	3.575	Si
38	1777	8773	27905	SLD 9	0.4	904	2.775	350547	1071670	4358382	SLD 7	0.5	1648	3.55	Si
57	1628	8773	27922	SLD 9	0.4	917	2.791	360808	1024308	3810485	SLD 7	0.45	1247	3.166	Si
76	1478	8773	27962	SLD 9	0.41	934	2.812	394664	858792	2811211	SLD 7	0.38	786	2.62	Si
85	1403	8773	27990	SLD 9	0.41	942	2.822	410525	776166	2804103	SLD 7	0.41	984	2.873	Si
104	1254	8773	26843	SLD 9	0.39	859	2.717	440117	-611261	-971715	SLD 9	0.31	488	2.155	Si
123	1104	8773	26843	SLD 9	0.39	871	2.733	466865	-446947	-971715	SLD 9	0.43	1106	3.014	Si
142	954	8773	26843	SLD 9	0.4	883	2.748	490771	-283379	-971715	SLD 9	0.6	2474	4.193	Si
161	805	8773	26843	SLD 9	0.4	896	2.765	558626	-417293	-971715	SLD 11	0.49	1564	3.474	Si
180	655	8773	26843	SLD 9	0.4	908	2.78	568146	-582756	-971715	SLD 11	0.36	675	2.462	Si
199	506	8773	26676	SLD 9	0.4	907	2.779	574824	748504	2788267	SLD 5	0.4	888	2.755	Si
218	356	8773	26574	SLD 9	0.4	912	2.785	578659	914457	3165842	SLD 5	0.38	798	2.637	Si
228	281	8773	26540	SLD 9	0.4	915	2.789	579510	997492	3315435	SLD 5	0.37	739	2.555	Si
247	132	8773	26481	SLD 9	0.4	922	2.797	579615	1044970	3611986	SLD 5	0.39	848	2.703	Si
262	9	-8773	-26401	SLD 7	0.4	927	2.804	579615	1044970	3670760	SLD 5	0.4	889	2.756	Si

Campata 7 tra i fili 55 - 50, sezione R 45x70, asta 807

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.1	30.41	5.9	1314258	SLU 30	1239484	3670760	0.115						Si
20	22.81	6.1	30.41	5.9	1178303	SLU 30	1177407	3670760	0.115						Si
23	22.81	6.1	30.41	5.9	1162212	SLU 30	1162212	3670760	0.115						Si
40	22.81	6.1	30.41	5.9	1038185	SLU 30	1162212	3670760	0.115						Si
61	22.81	6.1	28.49	5.8	893904	SLU 30	1100505	3451911	0.112						Si
81	22.81	6.1	22.81	5.4	745458	SLU 30	958062	2803520	0.102						Si
91	22.81	6.1	22.81	5.4	669675	SLU 30	885279	2803520	0.102						Si
111	22.81	6.1	22.81	5.4	514984	SLU 30	736590	2803520	0.102						Si
131	22.81	6.1	22.81	5.4	356130	SLU 30	583738	2803520	0.102						Si
151	22.81	6.1	22.81	5.4	193113	SLU 30	426722	2803520	0.102	110486	SLU 1	-49741	-2742305	0.096	Si
171	22.81	6.1	22.81	5.4	27521	SLU 36	265542	2803520	0.102	15067	SLU 1	-222578	-2742305	0.096	Si
192	22.81	6.1	22.81	5.4	-81636	SLU 8	100200	2803520	0.102	-145706	SLU 29	-399784	-2742305	0.096	Si
212	22.81	6.1	22.81	5.4						-320921	SLU 30	-581294	-2742305	0.096	Si
232	27.41	6	22.81	5.4						-500592	SLU 30	-766967	-3287136	0.101	Si
242	28.84	5.9	22.81	5.4						-591990	SLU 30	-861365	-3455671	0.103	Si
262	31.69	5.9	22.81	5.4						-777906	SLU 30	-945874	-3792820	0.106	Si
280	34.21	5.8	22.81	5.4						-945874	SLU 30	-945874	-4090733	0.11	Si
282	34.21	5.8	22.81	5.4						-967987	SLU 30	-966902	-4090733	0.11	Si
303	34.21	5.8	22.81	5.4						-1162231	SLU 30	-1052803	-4090733	0.11	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.1	30.41	5.9	3825185	SLV 7	3555079	3670760	0.115	-2076036	SLV 9	-1903396	-2772806	0.098	Si
20	22.81	6.1	30.41	5.9	3338832	SLV 7	3335951	3670760	0.115	-1767347	SLV 9	-1765655	-2772806	0.098	Si
23	22.81	6.1	30.41	5.9	3282311	SLV 7	3282311	3670760	0.115	-1731937	SLV 9	-1731937	-2772806	0.098	Si
40	22.81	6.1	30.41	5.9	2849653	SLV 7	3282311	3670760	0.115	-1462237	SLV 9	-1731937	-2772806	0.098	Si
61	22.81	6.1	28.49	5.8	2358091	SLV 7	3065916	3451911	0.112	-1161149	SLV 9	-1596529	-2765154	0.098	Si
81	22.81	6.1	22.81	5.4	1865540	SLV 7	2575329	2803520	0.102	-865476	SLV 9	-1293588	-2742305	0.096	Si
91	22.81	6.1	22.81	5.4	1620169	SLV 7	2329265	2803520	0.102	-720947	SLV 9	-1143749	-2742305	0.096	Si
111	22.81	6.1	22.81	5.4	1136644	SLV 11	1836825	2803520	0.102	-443910	SLV 5	-848563	-2742305	0.096	Si
131	22.81	6.1	22.81	5.4	662804	SLV 11	1343039	2803520	0.102	-182964	SLV 5	-558437	-2742305	0.096	Si
151	22.81	6.1	22.81	5.4	308848	SLV 15	871389	2803520	0.102	-48306	SLV 1	-649524	-2742305	0.096	Si
171	22.81	6.1	22.81	5.4	458234	SLV 9	862468	2803520	0.102	-423395	SLV 7	-1164334	-2742305	0.096	Si
192	22.81	6.1	22.81	5.4	739287	SLV 9	1139437	2803520	0.102	-936558	SLV 7	-1682645	-2742305	0.096	Si
212	22.81	6.1	22.81	5.4	1017568	SLV 9	1413358	2803520	0.102	-1453353	SLV 7	-2204314	-2742305	0.096	Si
232	27.41	6	22.81	5.4	1292846	SLV 9	1684171	2803344	0.099	-1973552	SLV 7	-2729280	-3287136	0.101	Si
242	28.84	5.9	22.81	5.4	1429330	SLV 9	1818400	2803357	0.098	-2234898	SLV 7	-2992989	-3455671	0.103	Si
262	31.69	5.9	22.81	5.4	1699960	SLV 9	1936589	2803242	0.096	-2760056	SLV 7	-3227244	-3792820	0.106	Si
280	34.21	5.8	22.81	5.4	1936589	SLV 9	1936589	2803087	0.095	-3227244	SLV 7	-3227244	-4090733	0.11	Si
282	34.21	5.8	22.81	5.4	1967447	SLV 9	1965821	2803087	0.095	-3288477	SLV 7	-3285370	-4090733	0.11	Si
303	34.21	5.8	22.81	5.4	2231773	SLV 9	2085235	2803087	0.095	-3820143	SLV 7	-3522825	-4090733	0.11	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.1	30.41	5.9	2180332	SLD 7	2033633	3670760	0.115	-431184	SLD 9	-381951	-2772806	0.098	Si
20	22.81	6.1	30.41	5.9	1915583	SLD 7	1913976	3670760	0.115	-344098	SLD 9	-343680	-2772806	0.098	Si
23	22.81	6.1	30.41	5.9	1884685	SLD 7	1884685	3670760	0.115	-334312	SLD 9	-334312	-2772806	0.098	Si
40	22.81	6.1	30.41	5.9	1647797	SLD 7	1884685	3670760	0.115	-260380	SLD 9	-334312	-2772806	0.098	Si
61	22.81	6.1	28.49	5.8	1377171	SLD 7	1766349	3451911	0.112	-180229	SLD 9	-296962	-2765154	0.098	Si
81	22.81	6.1	22.81	5.4	1104322	SLD 7	1496943	2803520	0.102	-104259	SLD 9	-215202	-2742305	0.096	Si
91	22.81	6.1	22.81	5.4	967628	SLD 7	1361230	2803520	0.102	-68407	SLD 9	-175713	-2742305	0.096	Si
111	22.81	6.1	22.81	5.4	696095	SLD 11	1088325	2803520	0.102	-3361	SLD 5	-100063	-2742305	0.096	Si
131	22.81	6.1	22.81	5.4	427062	SLD 11	813040	2803520	0.102	52779	SLD 5	-28437	-2742305	0.096	Si
151	22.81	6.1	22.81	5.4	209278	SLD 15	545764	2803520	0.102	51265	SLD 1	-306087	-2742305	0.096	Si
171	22.81	6.1	22.81	5.4	212489	SLD 9	297530	2803520	0.102	-177650	SLD 7	-599395	-2742305	0.096	Si
192	22.81	6.1	22.81	5.4	272171	SLD 9	352829	2803520	0.102	-469442	SLD 7	-896037	-2742305	0.096	Si
212	22.81	6.1	22.81	5.4	328839	SLD 9	404995	2803520	0.102	-764625	SLD 7	-1195951	-2742305	0.096	Si
232	27.41	6	22.81	5.4	382394	SLD 9	453999	2803344	0.099	-1063099	SLD 7	-1499108	-3287136	0.101	Si
242	28.84	5.9	22.81	5.4	407990	SLD 9	477311	2803357	0.098	-1213558	SLD 7	-1651899	-3455671	0.103	Si
262	31.69	5.9	22.81	5.4	456809	SLD 9	497263	2803242	0.096	-1516905	SLD 7	-1787917	-3792820	0.106	Si
280	34.21	5.8	22.81	5.4	497263	SLD 9	497263	2803087	0.095	-1787917	SLD 7	-1787917	-4090733	0.11	Si
282	34.21	5.8	22.81	5.4	502452	SLD 9	502145	2803087	0.095	-1823482	SLD 7	-1821694	-4090733	0.11	Si
303	34.21	5.8	22.81	5.4	544910	SLD 9	522089	2803087	0.095	-2133279	SLD 7	-1959678	-4090733	0.11	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	28.49	0	-6638	SLU 30	-6638	-14763	-76313	0	-14763	1	Si
20	0	22.81	0	-6845	SLU 30	-6845	-13709	-76313	0	-13709	1	Si
23	0.259	22.81	0	-6869	SLU 30	-6869	-13709	-76313	-29779	-29779	1	Si
40	0.259	22.81	0	-7051	SLU 30	-7051	-13709	-76313	-29779	-29779	1	Si
61	0.259	22.81	0	-7258	SLU 30	-7258	-13719	-76434	-29826	-29826	1	Si
81	0.259	22.81	0	-7464	SLU 30	-7464	-13761	-76908	-30011	-30011	1	Si
91	0.259	22.81	0	-7567	SLU 30	-7567	-13761	-76908	-30011	-30011	1	Si
111	0.274	22.81	0	-7774	SLU 30	-7774	-13761	-76908	-31785	-31785	1	Si
131	0.274	22.81	0	-7980	SLU 30	-7980	-13761	-76908	-31785	-31785	1	Si
151	0.274	22.81	0	-8187	SLU 30	-8187	-13761	-76908	-31785	-31785	1	Si
171	0.274	22.81	0	-8393	SLU 30	-8393	-13761	-76908	-31785	-31785	1	Si
192	0.274	22.81	0	-8600	SLU 30	-8600	-13691	-76115	-31457	-31457	1	Si
212	0.273	22.81	0	-8806	SLU 30	-8806	-13691	-76115	-31351	-31351	1	Si
232	0.273	22.81	0	-9013	SLU 30	-9013	-13703	-76248	-31406	-31406	1	Si
242	0.273	22.81	0	-9116	SLU 30	-9116	-13706	-76281	-31420	-31420	1	Si
262	0.273	22.81	0	-9322	SLU 30	-9322	-13711	-76337	-31443	-31443	1	Si
280	0.273	22.81	0	-9505	SLU 30	-9505	-13714	-76379	-31460	-31460	1	Si
282	0	22.81	0	-9529	SLU 30	-9529	-13714	-76379	0	-13714	1	Si
303	0	28.84	0	-9735	SLU 30	-9735	-14830	-76379	0	-14830	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	15418	SLV 9	20551	13691	76115	0	13691	1	Si
0	0	28.49	0	-24069	SLV 7	-29202	-14763	-76313	0	-14763	1	Si
20	0	22.81	0	15259	SLV 9	20392	13691	76115	0	13691	1	Si
20	0	22.81	0	-24228	SLV 7	-29361	-13709	-76313	0	-13709	1	Si
23	0.259	22.81	0	15241	SLV 9	20374	13691	76115	29701	29701	1	Si
23	0.259	22.81	0	-24246	SLV 7	-29379	-13709	-76313	-29779	-29779	1	Si
40	0.259	22.81	0	15100	SLV 9	20234	13691	76115	29701	29701	1	Si
40	0.259	22.81	0	-24387	SLV 7	-29520	-13709	-76313	-29779	-29779	1	Si
61	0.259	22.81	0	14942	SLV 9	20075	13691	76115	29701	29701	1	Si
61	0.259	22.81	0	-24545	SLV 7	-29679	-13719	-76434	-29826	-29826	1	Si
81	0.259	22.81	0	14783	SLV 9	19916	13691	76115	29701	29701	1	Si
81	0.259	22.81	0	-24704	SLV 7	-29837	-13761	-76908	-30011	-30011	1	Si
91	0.259	22.81	0	14703	SLV 9	19837	13691	76115	29701	29701	1	Si
91	0.259	22.81	0	-24784	SLV 7	-29917	-13761	-76908	-30011	-30011	1	Si
111	0.274	22.81	0	14544	SLV 9	19678	13691	76115	31457	31457	1	Si
111	0.274	22.81	0	-24942	SLV 7	-30076	-13761	-76908	-31785	-31785	1	Si
131	0.274	22.81	0	14386	SLV 9	19519	13691	76115	31457	31457	1	Si
131	0.274	22.81	0	-25101	SLV 7	-30234	-13761	-76908	-31785	-31785	1	Si
151	0.274	22.81	0	14227	SLV 9	19360	13761	76908	31785	31785	1	Si
151	0.274	22.81	0	-25260	SLV 7	-30393	-13761	-76908	-31785	-31785	1	Si
171	0.274	22.81	0	14068	SLV 9	19201	13761	76908	31785	31785	1	Si
171	0.274	22.81	0	-25419	SLV 7	-30552	-13691	-76115	-31457	-31457	1	Si
192	0.274	22.81	0	13909	SLV 9	19043	13761	76908	31785	31785	1	Si
192	0.274	22.81	0	-25578	SLV 7	-30711	-13691	-76115	-31457	-31457	1	Si
212	0.273	22.81	0	13750	SLV 9	18884	13761	76908	31678	31678	1	Si
212	0.273	22.81	0	-25736	SLV 7	-30870	-13691	-76115	-31351	-31351	1	Si
232	0.273	22.81	0	13592	SLV 9	18725	13761	76908	31678	31678	1	Si
232	0.273	22.81	0	-25895	SLV 7	-31029	-13703	-76248	-31406	-31406	1	Si
242	0.273	22.81	0	13512	SLV 9	18645	13761	76908	31678	31678	1	Si
242	0.273	22.81	0	-25975	SLV 7	-31108	-13706	-76281	-31420	-31420	1	Si
262	0.273	22.81	0	13353	SLV 9	18487	13761	76908	31678	31678	1	Si
262	0.273	22.81	0	-26133	SLV 7	-31267	-13711	-76337	-31443	-31443	1	Si
280	0.273	22.81	0	13213	SLV 9	18346	13761	76908	31678	31678	1	Si
280	0.273	22.81	0	-26274	SLV 7	-31407	-13714	-76379	-31460	-31460	1	Si
282	0	22.81	0	13195	SLV 9	18328	13761	76908	0	13761	1	Si
282	0	22.81	0	-26292	SLV 7	-31426	-13714	-76379	0	-13714	1	Si
303	0	22.81	0	13036	SLV 9	18169	13761	76908	0	13761	1	Si
303	0	28.84	0	-26451	SLV 7	-31584	-14830	-76379	0	-14830	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	4412	SLD 9	4412	13691	76115	0	13691	1	Si
0	0	28.49	0	-13063	SLD 7	-13063	-14763	-76313	0	-14763	1	Si
20	0	22.81	0	4253	SLD 9	4253	13691	76115	0	13691	1	Si
20	0	22.81	0	-13221	SLD 7	-13221	-13709	-76313	0	-13709	1	Si
23	0.259	22.81	0	4235	SLD 9	4235	13691	76115	29701	29701	1	Si
23	0.259	22.81	0	-13240	SLD 7	-13240	-13709	-76313	-29779	-29779	1	Si
40	0.259	22.81	0	4094	SLD 9	4094	13691	76115	29701	29701	1	Si
40	0.259	22.81	0	-13380	SLD 7	-13380	-13709	-76313	-29779	-29779	1	Si
61	0.259	22.81	0	3935	SLD 9	3935	13691	76115	29701	29701	1	Si
61	0.259	22.81	0	-13539	SLD 7	-13539	-13719	-76434	-29826	-29826	1	Si
81	0.259	22.81	0	3776	SLD 9	3776	13691	76115	29701	29701	1	Si
81	0.259	22.81	0	-13698	SLD 7	-13698	-13761	-76908	-30011	-30011	1	Si
91	0.259	22.81	0	3697	SLD 9	3697	13691	76115	29701	29701	1	Si
91	0.259	22.81	0	-13777	SLD 7	-13777	-13761	-76908	-30011	-30011	1	Si
111	0.274	22.81	0	3538	SLD 9	3538	13761	76908	31785	31785	1	Si
111	0.274	22.81	0	-13936	SLD 7	-13936	-13761	-76908	-31785	-31785	1	Si
131	0.274	22.81	0	3379	SLD 9	3379	13761	76908	31785	31785	1	Si
131	0.274	22.81	0	-14095	SLD 7	-14095	-13761	-76908	-31785	-31785	1	Si
151	0.274	22.81	0	3221	SLD 9	3221	13761	76908	31785	31785	1	Si
151	0.274	22.81	0	-14254	SLD 7	-14254	-13761	-76908	-31785	-31785	1	Si
171	0.274	22.81	0	3062	SLD 9	3062	13761	76908	31785	31785	1	Si
171	0.274	22.81	0	-14413	SLD 7	-14413	-13691	-76115	-31457	-31457	1	Si
192	0.274	22.81	0	2903	SLD 9	2903	13761	76908	31785	31785	1	Si
192	0.274	22.81	0	-14571	SLD 7	-14571	-13691	-76115	-31457	-31457	1	Si
212	0.273	22.81	0	2744	SLD 9	2744	13761	76908	31678	31678	1	Si
212	0.273	22.81	0	-14730	SLD 7	-14730	-13691	-76115	-31351	-31351	1	Si
232	0.273	22.81	0	2585	SLD 9	2585	13761	76908	31678	31678	1	Si
232	0.273	22.81	0	-14889	SLD 7	-14889	-13703	-76248	-31406	-31406	1	Si
242	0.273	22.81	0	2506	SLD 9	2506	13761	76908	31678	31678	1	Si
242	0.273	22.81	0	-14968	SLD 7	-14968	-13706	-76281	-31420	-31420	1	Si
262	0.273	22.81	0	2347	SLD 9	2347	13761	76908	31678	31678	1	Si
262	0.273	22.81	0	-15127	SLD 7	-15127	-13711	-76337	-31443	-31443	1	Si
280	0.273	22.81	0	2207	SLD 9	2207	13761	76908	31678	31678	1	Si
280	0.273	22.81	0	-15268	SLD 7	-15268	-13714	-76379	-31460	-31460	1	Si
282	0	22.81	0	2188	SLD 9	2188	13761	76908	0	13761	1	Si
282	0	22.81	0	-15286	SLD 7	-15286	-13714	-76379	0	-13714	1	Si
303	0	22.81	0	2030	SLD 9	2030	13761	76908	0	13761	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
303	0	28.84	0	-15445	SLD 7	-15445	-14830	-76379	0	-14830	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	954302	3	900429	20.2	124.5	526.7	1837	874574	2	825841	18.5	93.4	0	+∞	Si
20	856257	3	855607	19.2	124.5	500.5	1837	785743	2	785148	17.6	93.4	0	+∞	Si
23	844635	3	844635	18.9	124.5	494.1	1837	775187	2	775187	17.4	93.4	0	+∞	Si
40	755009	3	844635	18.9	124.5	494.1	1837	693708	2	775187	17.4	93.4	0	+∞	Si
61	650558	3	800062	18.2	124.5	496.2	1837	598471	2	734694	16.7	93.4	0	+∞	Si
81	542905	3	697025	16.8	124.5	527.1	1837	500032	2	640871	15.5	93.4	0	+∞	Si
91	487877	3	644306	15.6	124.5	487.2	1837	449611	2	592758	14.3	93.4	0	+∞	Si
111	375420	3	536466	13	124.5	405.6	1837	346367	2	494131	11.9	93.4	0	+∞	Si
131	259760	3	425422	10.3	124.5	321.7	1837	239920	2	392301	9.5	93.4	0	+∞	Si
151	140898	3	311176	7.5	124.5	235.3	1837	130271	2	287269	6.9	93.4	0	+∞	Si
171	19892	9	193727	4.7	124.5	146.5	1837	17419	2	179033	4.3	93.4	0	+∞	Si
192	-106631	2	-292686	7.1	124.5	226.1	1837	-98635	2	-271604	6.6	93.4	0	+∞	Si
212	-234907	3	-425773	10.3	124.5	328.9	1837	-217893	2	-395478	9.6	93.4	0	+∞	Si
232	-366581	3	-562064	12.8	124.5	362.4	1837	-340353	2	-522555	11.9	93.4	0	+∞	Si
242	-433618	3	-631410	14.2	124.5	387.5	1837	-402784	2	-587294	13.2	93.4	0	+∞	Si
262	-570096	3	-693522	15.2	124.5	388.2	1837	-530048	2	-645327	14.1	93.4	0	+∞	Si
280	-693522	3	-693522	14.8	124.5	360.3	1837	-645327	2	-645327	13.8	93.4	0	+∞	Si
282	-709776	3	-708981	15.2	124.5	368.3	1837	-660515	2	-659775	14.1	93.4	0	+∞	Si
303	-852659	3	-772130	16.5	124.5	401.2	1837	-794185	2	-718795	15.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.004	2	9999	Si
23	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.004	2	9999	Si
40	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.008	2	0.007	2	9999	Si
61	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.01	2	0.008	2	9999	Si
81	0.007	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.01	2	0.009	2	9999	Si
91	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.01	2	0.009	2	9999	Si
111	0.006	0.005	0.005	0.004	0.006	0.005	0.004	0.004	0.006	0.005	0.01	2	0.008	2	9999	Si
131	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.008	2	0.007	2	9999	Si
151	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.006	2	0.006	2	9999	Si
171	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.004	2	0.004	2	9999	Si
192	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
212	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
232	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
242	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
262	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
280	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
282	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-4503	-24877	-29779	SLV 7	0.37	740	1.016	775187	2507124	3670760	SLV 7	0.42	1014	1.156	Si
40	-4643	-24877	-29779	SLV 7	0.37	730	1.01	775187	2507124	3670760	SLV 7	0.42	1014	1.156	Si
61	-4802	-24877	-29826	SLV 7	0.37	722	1.006	734694	2331222	3451911	SLV 7	0.42	1039	1.168	Si
81	-4961	-24877	-30011	SLV 7	0.37	724	1.007	640871	1934459	2803520	SLV 7	0.41	934	1.118	Si
91	-5040	-24877	-30011	SLV 7	0.37	718	1.003	592758	1736507	2803520	SLV 7	0.46	1313	1.285	Si
111	-5199	-24877	-31785	SLV 7	0.39	837	1.069	494131	1342694	2803520	SLV 7	0.57	2474	1.666	Si
131	-5358	-24877	-31785	SLV 7	0.39	824	1.062	392301	950738	2803520	SLV 7	0.57	2474	1.666	Si
151	-5517	-24877	-31785	SLV 7	0.38	812	1.055	287269	584120	2803520	SLV 11	0.57	2474	1.666	Si
171	-5675	-24877	-31457	SLV 7	0.38	776	1.036	-150933	-1013401	-2742305	SLV 7	0.57	2474	1.666	Si
192	-5834	-24877	-31457	SLV 7	0.37	765	1.03	-271604	-1411041	-2742305	SLV 7	0.57	2474	1.666	Si
212	-5993	-24877	-31351	SLV 7	0.37	745	1.019	-395478	-1808836	-2742305	SLV 7	0.47	1380	1.312	Si
232	-6152	-24877	-31406	SLV 7	0.37	738	1.015	-522555	-2206726	-3287136	SLV 7	0.45	1258	1.263	Si
242	-6231	-24877	-31420	SLV 7	0.37	733	1.012	-587294	-2405695	-3455671	SLV 7	0.43	1103	1.197	Si
262	-6390	-24877	-31443	SLV 7	0.37	724	1.007	-645327	-2581916	-3792820	SLV 7	0.44	1170	1.226	Si
280	-6530	-24877	-31460	SLV 7	0.36	715	1.002	-645327	-2581916	-4090733	SLV 7	0.48	1487	1.352	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-4503	-8737	-29779	SLD 7	0.39	842	2.695	775187	1109499	3670760	SLD 7	0.35	655	2.432	Si
40	-4643	-8737	-29779	SLD 7	0.39	831	2.681	775187	1109499	3670760	SLD 7	0.35	655	2.432	Si
61	-4802	-8737	-29826	SLD 7	0.39	822	2.669	734694	1031655	3451911	SLD 7	0.36	669	2.453	Si
81	-4961	-8737	-30011	SLD 7	0.39	824	2.671	640871	856073	2803520	SLD 7	0.34	606	2.355	Si
91	-5040	-8737	-30011	SLD 7	0.38	817	2.662	592758	768472	2803520	SLD 7	0.39	831	2.681	Si
111	-5199	-8737	-31785	SLD 7	0.41	953	2.836	494131	594194	2803520	SLD 7	0.52	1827	3.703	Si
131	-5358	-8737	-31785	SLD 7	0.41	938	2.817	392301	420739	2803520	SLD 7	0.6	2474	4.193	Si
151	-5517	-8737	-31785	SLD 7	0.4	924	2.8	287269	258496	2803520	SLD 11	0.6	2474	4.193	Si
171	-5675	-8737	-31457	SLD 7	0.4	883	2.748	-150933	-448462	-2742305	SLD 7	0.6	2474	4.193	Si
192	-5834	-8737	-31457	SLD 7	0.39	871	2.733	-271604	-624433	-2742305	SLD 7	0.52	1916	3.776	Si
212	-5993	-8737	-31351	SLD 7	0.39	848	2.703	-395478	-800473	-2742305	SLD 7	0.39	869	2.73	Si
232	-6152	-8737	-31406	SLD 7	0.39	840	2.693	-522555	-976554	-3287136	SLD 7	0.38	799	2.638	Si
242	-6231	-8737	-31420	SLD 7	0.39	834	2.685	-587294	-1064605	-3455671	SLD 7	0.36	708	2.51	Si
262	-6390	-8737	-31443	SLD 7	0.39	824	2.671	-645327	-1142590	-3792820	SLD 7	0.37	747	2.566	Si
280	-6530	-8737	-31460	SLD 7	0.38	814	2.658	-645327	-1142590	-4090733	SLD 7	0.4	931	2.809	Si

Campata 8 tra i fili 50 - 36C, sezione R 45x70, asta 808

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	34.21	5.8	22.81	5.4						-349333	SLU 20	-323427	-4090733	0.11	Si
23	34.21	5.8	22.81	5.4						-301363	SLU 29	-301363	-4090733	0.11	Si
45	32.09	5.9	22.81	5.4						-260455	SLU 29	-301363	-3840181	0.107	Si
68	29.97	5.9	22.81	5.4						-224729	SLU 29	-272022	-3589441	0.104	Si
79	26.61	6	22.81	5.4						-208810	SLU 29	-252754	-3192033	0.1	Si
90	26.61	6	22.81	5.4						-194186	SLU 29	-234783	-3192033	0.1	Si
101	26.61	6	22.81	5.4						-180858	SLU 29	-218107	-3192033	0.1	Si
124	26.61	6	22.81	5.4						-158089	SLU 29	-188642	-3192033	0.1	Si
146	26.61	6	22.81	5.4						-140776	SLU 30	-164359	-3192033	0.1	Si
169	26.61	6	22.81	5.4						-128756	SLU 30	-145421	-3192033	0.1	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
191	26.61	6	22.81	5.4						-121918	SLU 30	-131887	-3192033	0.1	Si
214	26.61	6	22.81	5.4						-120264	SLU 30	-127796	-3192033	0.1	Si
236	32.88	6.4	37.79	6.7						-125371	SLU 12	-138263	-3968531	0.122	Si
248	35	6.6	41.58	6.8						-129524	SLU 12	-144992	-4200388	0.128	Si
270	39.24	6.8	41.81	6.9						-140820	SLU 12	-161439	-4648133	0.135	Si
293	41.81	6.9	41.81	6.9						-156103	SLU 12	-174402	-4919348	0.14	Si
313	41.81	6.9	41.81	6.9						-174402	SLU 30	-174402	-4919348	0.14	Si
315	41.81	6.9	41.81	6.9						-176954	SLU 30	-176902	-4919348	0.14	Si
338	41.81	6.9	41.81	6.9						-203804	SLU 30	-187559	-4919348	0.14	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	34.21	5.8	22.81	5.4	2687467	SLV 11	2443309	2803087	0.095	-3209191	SLV 5	-2925351	-4090733	0.11	Si
23	34.21	5.8	22.81	5.4	2197107	SLV 11	2197107	2803087	0.095	-2643452	SLV 5	-2643452	-4090733	0.11	Si
45	32.09	5.9	22.81	5.4	1702786	SLV 11	2197107	2803224	0.096	-2081727	SLV 5	-2643452	-3840181	0.107	Si
68	29.97	5.9	22.81	5.4	1204532	SLV 11	1847416	2803271	0.097	-1524041	SLV 5	-2245457	-3589441	0.104	Si
90	26.61	6	22.81	5.4	702430	SLV 11	1350308	2803404	0.099	-970480	SLV 5	-1686589	-3192033	0.1	Si
101	26.61	6	22.81	5.4	450035	SLV 11	1100290	2803404	0.099	-695347	SLV 5	-1408681	-3192033	0.1	Si
124	26.61	6	22.81	5.4	13247	SLV 15	597433	2803404	0.099	-219061	SLV 1	-856025	-3192033	0.1	Si
146	26.61	6	22.81	5.4	401680	SLV 5	1095016	2803404	0.099	-575969	SLV 11	-1240624	-3192033	0.1	Si
169	26.61	6	22.81	5.4	938417	SLV 5	1629387	2803404	0.099	-1089155	SLV 11	-1761745	-3192033	0.1	Si
191	26.61	6	22.81	5.4	1473845	SLV 5	2159969	2803404	0.099	-1609005	SLV 11	-2287050	-3192033	0.1	Si
214	26.61	6	22.81	5.4	2005560	SLV 5	2686631	2803404	0.099	-2133116	SLV 11	-2816411	-3192033	0.1	Si
236	32.88	6.4	37.79	6.7	2533374	SLV 5	3209339	4477623	0.131	-2661299	SLV 11	-3349789	-3968531	0.122	Si
248	35	6.6	41.58	6.8	2795801	SLV 5	3469205	4881507	0.141	-2926901	SLV 11	-3617981	-4200388	0.128	Si
270	39.24	6.8	41.81	6.9	3317685	SLV 5	3985956	4914454	0.14	-3461114	SLV 11	-4157362	-4648133	0.135	Si
293	41.81	6.9	41.81	6.9	3835596	SLV 5	4292537	4919348	0.14	-3999328	SLV 11	-4481182	-4919348	0.14	Si
313	41.81	6.9	41.81	6.9	4292537	SLV 5	4292537	4919348	0.14	-4481182	SLV 11	-4481182	-4919348	0.14	Si
315	41.81	6.9	41.81	6.9	4349531	SLV 5	4346625	4919348	0.14	-4541539	SLV 11	-4538582	-4919348	0.14	Si
338	41.81	6.9	41.81	6.9	4859485	SLV 5	4577211	4919348	0.14	-5087743	SLV 11	-4783288	-4919348	0.14	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	34.21	5.8	22.81	5.4	1043889	SLD 11	946901	2803087	0.095	-1565613	SLD 5	-1428942	-4090733	0.11	Si
23	34.21	5.8	22.81	5.4	847896	SLD 11	847896	2803087	0.095	-1294242	SLD 5	-1294242	-4090733	0.11	Si
45	32.09	5.9	22.81	5.4	647928	SLD 11	847896	2803224	0.096	-1026869	SLD 5	-1294242	-3840181	0.107	Si
68	29.97	5.9	22.81	5.4	443996	SLD 11	706609	2803271	0.097	-763505	SLD 5	-1104649	-3589441	0.104	Si
90	26.61	6	22.81	5.4	236138	SLD 11	503833	2803404	0.099	-504189	SLD 5	-840114	-3192033	0.1	Si
101	26.61	6	22.81	5.4	130780	SLD 11	400964	2803404	0.099	-376092	SLD 5	-709355	-3192033	0.1	Si
124	26.61	6	22.81	5.4	-51531	SLD 15	200496	2803404	0.099	-154282	SLD 1	-450900	-3192033	0.1	Si
146	26.61	6	22.81	5.4	129169	SLD 5	443996	2803404	0.099	-303458	SLD 11	-589603	-3192033	0.1	Si
169	26.61	6	22.81	5.4	373264	SLD 5	684170	2803404	0.099	-524002	SLD 11	-816527	-3192033	0.1	Si
191	26.61	6	22.81	5.4	614555	SLD 5	920444	2803404	0.099	-749715	SLD 11	-1047525	-3192033	0.1	Si
214	26.61	6	22.81	5.4	851979	SLD 5	1152761	2803404	0.099	-979535	SLD 11	-1282540	-3192033	0.1	Si
236	32.88	6.4	37.79	6.7	1085455	SLD 5	1381105	4477623	0.131	-1213380	SLD 11	-1521555	-3968531	0.122	Si
248	35	6.6	41.58	6.8	1200704	SLD 5	1493785	4881507	0.141	-1331804	SLD 11	-1642561	-4200388	0.128	Si
270	39.24	6.8	41.81	6.9	1428221	SLD 5	1716159	4914454	0.14	-1571651	SLD 11	-1887566	-4648133	0.135	Si
293	41.81	6.9	41.81	6.9	1651759	SLD 5	1847029	4919348	0.14	-1815491	SLD 11	-2035674	-4919348	0.14	Si
313	41.81	6.9	41.81	6.9	1847029	SLD 5	1847029	4919348	0.14	-2035674	SLD 11	-2035674	-4919348	0.14	Si
315	41.81	6.9	41.81	6.9	1871313	SLD 5	1870042	4919348	0.14	-2063321	SLD 11	-2061999	-4919348	0.14	Si
338	41.81	6.9	41.81	6.9	2086884	SLD 5	1968149	4919348	0.14	-2315141	SLD 11	-2174226	-4919348	0.14	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	29.97	0	2489	SLU 19	2489	15021	76379	0	15021	1	Si
23	0.273	26.61	0	2259	SLU 19	2259	14437	76379	31460	31460	1	Si
45	0.273	26.61	0	2028	SLU 19	2028	14434	76344	31446	31446	1	Si
68	0.273	26.61	0	1798	SLU 19	1798	14431	76304	31429	31429	1	Si
90	0.273	26.61	0	1568	SLU 19	1568	14424	76228	31398	31398	1	Si
101	0.268	26.61	0	1452	SLU 19	1452	14424	76228	30847	30847	1	Si
124	0.268	26.61	0	1222	SLU 19	1222	14424	76228	30847	30847	1	Si
146	0.268	26.61	0	992	SLU 19	992	14424	76228	30847	30847	1	Si
169	0.268	26.61	0	761	SLU 19	761	14424	76228	30847	30847	1	Si
191	0.268	26.61	0	531	SLU 19	531	14424	76228	30847	30847	1	Si
214	0.268	26.61	0	301	SLU 19	301	14424	76228	30847	30847	1	Si
214	0.268	26.61	0	-150	SLU 18	-150	-14424	-76228	-30847	-30847	1	Si
236	0.268	26.61	0	70	SLU 19	70	14373	75677	30624	30624	1	Si
236	0.268	26.61	0	-328	SLU 18	-328	-14373	-75677	-30624	-30624	1	Si
248	0.273	26.61	0	-416	SLU 18	-416	-14360	-75535	-31113	-31113	1	Si
270	0.273	26.61	0	-620	SLU 36	-620	-14338	-75297	-31015	-31015	1	Si
293	0.273	26.61	0	-851	SLU 36	-851	-14326	-75177	-30965	-30965	1	Si
313	0.273	35	0	-1055	SLU 36	-1055	-15697	-75177	-30965	-30965	1	Si
315	0	35	0	-1081	SLU 36	-1081	-15697	-75177	0	-15697	1	Si
338	0	39.24	0	-1311	SLU 36	-1311	-16307	-75177	0	-16307	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	29.97	0	25235	SLV 5	31337	15021	76379	0	15021	1	Si
0	0	22.81	0	-21707	SLV 11	-27810	-13761	-76908	0	-13761	1	Si
11	0	26.61	0	25146	SLV 5	31249	14437	76379	0	14437	1	Si
11	0	22.81	0	-21796	SLV 11	-27899	-13761	-76908	0	-13761	1	Si
23	0.273	26.61	0	25058	SLV 5	31160	14437	76379	31460	31460	1	Si
23	0.273	22.81	0	-21885	SLV 11	-27987	-13761	-76908	-31678	-31678	1	Si
45	0.273	26.61	0	24880	SLV 5	30983	14434	76344	31446	31446	1	Si
45	0.273	22.81	0	-22062	SLV 11	-28164	-13761	-76908	-31678	-31678	1	Si
68	0.273	26.61	0	24703	SLV 5	30806	14431	76304	31429	31429	1	Si
68	0.273	22.81	0	-22239	SLV 11	-28342	-13761	-76908	-31678	-31678	1	Si
90	0.273	26.61	0	24526	SLV 5	30629	14424	76228	31398	31398	1	Si
90	0.273	22.81	0	-22416	SLV 11	-28519	-13761	-76908	-31678	-31678	1	Si
101	0.268	26.61	0	24437	SLV 5	30540	14424	76228	30847	30847	1	Si
101	0.268	22.81	0	-22505	SLV 11	-28607	-13761	-76908	-31122	-31122	1	Si
124	0.268	26.61	0	24260	SLV 5	30363	14424	76228	30847	30847	1	Si
124	0.268	26.61	0	-22682	SLV 11	-28785	-14424	-76228	-30847	-30847	1	Si
146	0.268	22.81	0	24083	SLV 5	30186	13761	76908	31122	31122	1	Si
146	0.268	26.61	0	-22859	SLV 11	-28962	-14424	-76228	-30847	-30847	1	Si
169	0.268	22.81	0	23906	SLV 5	30008	13761	76908	31122	31122	1	Si
169	0.268	26.61	0	-23036	SLV 11	-29139	-14424	-76228	-30847	-30847	1	Si
191	0.268	22.81	0	23729	SLV 5	29831	13761	76908	31122	31122	1	Si
191	0.268	26.61	0	-23214	SLV 11	-29316	-14424	-76228	-30847	-30847	1	Si
214	0.268	22.81	0	23552	SLV 5	29654	13761	76908	31122	31122	1	Si
214	0.268	26.61	0	-23391	SLV 11	-29493	-14424	-76228	-30847	-30847	1	Si
236	0.268	22.81	0	23374	SLV 5	29477	13628	75398	30511	30511	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
236	0.268	26.61	0	-23568	SLV 11	-29670	-14373	-75677	-30624	-30624	1	Si
248	0.273	22.81	0	23286	SLV 5	29388	13610	75189	30970	30970	1	Si
248	0.273	26.61	0	-23657	SLV 11	-29759	-14360	-75535	-31113	-31113	1	Si
270	0.273	22.81	0	23109	SLV 5	29211	13609	75177	30965	30965	1	Si
270	0.273	26.61	0	-23834	SLV 11	-29936	-14338	-75297	-31015	-31015	1	Si
293	0.273	34	0	22931	SLV 5	29034	15546	75177	30965	30965	1	Si
293	0.273	26.61	0	-24011	SLV 11	-30113	-14326	-75177	-30965	-30965	1	Si
313	0.273	41.58	0	22774	SLV 5	28876	16624	75177	30965	30965	1	Si
313	0.273	35	0	-24168	SLV 11	-30271	-15697	-75177	-30965	-30965	1	Si
315	0	41.58	0	22754	SLV 5	28857	16624	75177	0	16624	1	Si
315	0	35	0	-24188	SLV 11	-30291	-15697	-75177	0	-15697	1	Si
338	0	41.81	0	22577	SLV 5	28679	16656	75177	0	16656	1	Si
338	0	39.24	0	-24365	SLV 11	-30468	-16307	-75177	0	-16307	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	29.97	0	12151	SLD 5	12151	15021	76379	0	15021	1	Si
0	0	22.81	0	-8623	SLD 11	-8623	-13761	-76908	0	-13761	1	Si
11	0	26.61	0	12062	SLD 5	12062	14437	76379	0	14437	1	Si
11	0	22.81	0	-8712	SLD 11	-8712	-13761	-76908	0	-13761	1	Si
23	0.273	26.61	0	11973	SLD 5	11973	14437	76379	31460	31460	1	Si
23	0.273	22.81	0	-8800	SLD 11	-8800	-13761	-76908	-31678	-31678	1	Si
45	0.273	26.61	0	11796	SLD 5	11796	14434	76344	31446	31446	1	Si
45	0.273	22.81	0	-8978	SLD 11	-8978	-13761	-76908	-31678	-31678	1	Si
68	0.273	26.61	0	11619	SLD 5	11619	14431	76304	31429	31429	1	Si
68	0.273	22.81	0	-9155	SLD 11	-9155	-13761	-76908	-31678	-31678	1	Si
90	0.273	26.61	0	11442	SLD 5	11442	14424	76228	31398	31398	1	Si
90	0.273	22.81	0	-9332	SLD 11	-9332	-13761	-76908	-31678	-31678	1	Si
101	0.268	26.61	0	11353	SLD 5	11353	14424	76228	30847	30847	1	Si
101	0.268	22.81	0	-9421	SLD 11	-9421	-13761	-76908	-31122	-31122	1	Si
124	0.268	26.61	0	11176	SLD 5	11176	14424	76228	30847	30847	1	Si
124	0.268	26.61	0	-9598	SLD 11	-9598	-14424	-76228	-30847	-30847	1	Si
146	0.268	22.81	0	10999	SLD 5	10999	13761	76908	31122	31122	1	Si
146	0.268	26.61	0	-9775	SLD 11	-9775	-14424	-76228	-30847	-30847	1	Si
169	0.268	22.81	0	10822	SLD 5	10822	13761	76908	31122	31122	1	Si
169	0.268	26.61	0	-9952	SLD 11	-9952	-14424	-76228	-30847	-30847	1	Si
191	0.268	22.81	0	10644	SLD 5	10644	13761	76908	31122	31122	1	Si
191	0.268	26.61	0	-10129	SLD 11	-10129	-14424	-76228	-30847	-30847	1	Si
214	0.268	22.81	0	10467	SLD 5	10467	13761	76908	31122	31122	1	Si
214	0.268	26.61	0	-10306	SLD 11	-10306	-14424	-76228	-30847	-30847	1	Si
236	0.268	22.81	0	10290	SLD 5	10290	13628	75398	30511	30511	1	Si
236	0.268	26.61	0	-10484	SLD 11	-10484	-14373	-75677	-30624	-30624	1	Si
248	0.273	22.81	0	10201	SLD 5	10201	13610	75189	30970	30970	1	Si
248	0.273	26.61	0	-10572	SLD 11	-10572	-14360	-75535	-31113	-31113	1	Si
270	0.273	22.81	0	10024	SLD 5	10024	13609	75177	30965	30965	1	Si
270	0.273	26.61	0	-10749	SLD 11	-10749	-14338	-75297	-31015	-31015	1	Si
293	0.273	34	0	9847	SLD 5	9847	15546	75177	30965	30965	1	Si
293	0.273	26.61	0	-10927	SLD 11	-10927	-14326	-75177	-30965	-30965	1	Si
313	0.273	41.58	0	9690	SLD 5	9690	16624	75177	30965	30965	1	Si
313	0.273	35	0	-11084	SLD 11	-11084	-15697	-75177	-30965	-30965	1	Si
315	0	41.58	0	9670	SLD 5	9670	16624	75177	0	16624	1	Si
315	0	35	0	-11104	SLD 11	-11104	-15697	-75177	0	-15697	1	Si
338	0	41.81	0	9493	SLD 5	9493	16656	75177	0	16656	1	Si
338	0	39.24	0	-11281	SLD 11	-11281	-16307	-75177	0	-16307	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-265790	2	-246507	5.3	124.5	128.1	1837	-260862	2	-241021	5.2	93.4	0	+∞	Si
23	-229218	2	-229218	4.9	124.5	119.1	1837	-223173	2	-223173	4.8	93.4	0	+∞	Si
45	-196633	2	-229218	5	124.5	126.7	1837	-189470	2	-223173	4.9	93.4	0	+∞	Si
68	-168034	2	-205857	4.6	124.5	121.7	1837	-159754	2	-199020	4.4	93.4	0	+∞	Si
90	-143422	2	-176094	4.1	124.5	116.9	1837	-134025	2	-168140	3.9	93.4	0	+∞	Si
101	-132612	2	-162708	3.7	124.5	108	1837	-122656	2	-154196	3.6	93.4	0	+∞	Si
124	-113980	2	-138925	3.2	124.5	92.2	1837	-102907	2	-129296	3	93.4	0	+∞	Si
146	-99517	3	-119129	2.7	124.5	79.1	1837	-87145	2	-108383	2.5	93.4	0	+∞	Si
169	-89114	3	-103427	2.4	124.5	68.7	1837	-75369	2	-91456	2.1	93.4	0	+∞	Si
191	-82698	3	-91860	2.1	124.5	61	1837	-67580	2	-78516	1.8	93.4	0	+∞	Si
214	-80268	3	-84280	1.9	124.5	56	1837	-63778	2	-69564	1.6	93.4	0	+∞	Si
236	-81826	3	-89862	1.8	124.5	49.5	1837	-63963	2	-70225	1.4	93.4	0	+∞	Si
248	-84099	3	-94711	1.8	124.5	49.3	1837	-65550	2	-74388	1.4	93.4	0	+∞	Si
270	-91637	3	-107399	2	124.5	50.5	1837	-71715	2	-85703	1.6	93.4	0	+∞	Si
293	-103161	3	-116838	2.1	124.5	52	1837	-81866	2	-94322	1.7	93.4	0	+∞	Si
313	-116838	3	-116838	2.1	124.5	52	1837	-94322	2	-94322	1.7	93.4	0	+∞	Si
315	-118672	3	-118639	2.1	124.5	52.8	1837	-96004	2	-95978	1.7	93.4	0	+∞	Si
338	-138169	3	-126316	2.3	124.5	56.2	1837	-114129	2	-103038	1.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
45	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
68	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.004	1	-0.005	1	9999	Si
90	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
101	-0.003	-0.004	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
124	-0.003	-0.004	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
146	-0.003	-0.004	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
169	-0.003	-0.004	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
191	-0.002	-0.004	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.003	-0.002	-0.003	1	-0.005	1	9999	Si
214	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.004	1	-0.005	1	9999	Si
236	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.004	1	-0.005	1	9999	Si
248	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
270	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	1	-0.003	1	9999	Si
293	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
313	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
315	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1586	29574	31460	SLV 5	0.37	729	1.01	-223173	2420279	2803087	SLV 11	0.45	1251	1.26	Si
45	1409	29574	31446	SLV 5	0.37	739	1.015	-223173	2420279	2803224	SLV 11	0.45	1252	1.26	Si
68	1232	29574	31429	SLV 5	0.37	749	1.021	-199020	2046437	2803271	SLV 11	0.52	1916	1.501	Si
90	1055	29574	31398	SLV 5	0.37	757	1.025	-168140	1518448	2803404	SLV 11	0.57	2474	1.666	Si
101	966	29574	30847	SLV 5	0.37	730	1.01	-154196	1254486	2803404	SLV 11	0.57	2474	1.666	Si
124	789	29574	30847	SLV 5	0.37	740	1.016	-129296	726729	2803404	SLV 11	0.57	2474	1.666	Si
146	612	29574	31122	SLV 5	0.37	768	1.032	-72804	1167820	2803404	SLV 5	0.57	2474	1.666	Si
169	435	29574	31122	SLV 5	0.38	779	1.038	-66179	1695566	2803404	SLV 5	0.57	2474	1.666	Si
191	258	29574	31122	SLV 5	0.38	790	1.044	-63541	2223510	2803404	SLV 5	0.46	1357	1.303	Si
214	80	-29574	-30847	SLV 11	0.38	793	1.045	-64890	2751521	2803404	SLV 5	0.38	787	1.042	Si
236	-97	-29574	-30624	SLV 11	0.38	769	1.032	-70225	-3279564	-3968531	SLV 11	0.43	1095	1.193	Si
248	-185	-29574	-31113	SLV 11	0.38	793	1.045	-74388	-3543593	-4200388	SLV 11	0.42	1036	1.166	Si
270	-363	-29574	-31015	SLV 11	0.38	776	1.036	-85703	-4071659	-4648133	SLV 11	0.41	939	1.12	Si
293	-540	-29574	-30965	SLV 11	0.37	762	1.028	-94322	-4386860	-4919348	SLV 11	0.4	897	1.099	Si
313	-697	-29574	-30965	SLV 11	0.37	753	1.023	-94322	-4386860	-4919348	SLV 11	0.4	897	1.099	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1586	10387	31460	SLD 5	0.39	830	2.679	-223173	1071069	2803087	SLD 11	0.38	794	2.631	Si
45	1409	10387	31446	SLD 5	0.39	841	2.694	-223173	1071069	2803224	SLD 11	0.38	794	2.631	Si
68	1232	10387	31429	SLD 5	0.39	852	2.708	-199020	905629	2803271	SLD 11	0.44	1196	3.112	Si
90	1055	10387	31398	SLD 5	0.39	861	2.72	-168140	671973	2803404	SLD 11	0.58	2474	4.193	Si
101	966	10387	30847	SLD 5	0.39	831	2.681	-154196	555159	2803404	SLD 11	0.6	2474	4.193	Si
124	789	10387	30847	SLD 5	0.39	842	2.695	-129296	321605	2803404	SLD 11	0.6	2474	4.193	Si
146	612	10387	31122	SLD 5	0.39	874	2.737	-72804	516800	2803404	SLD 5	0.6	2474	4.193	Si
169	435	10387	31122	SLD 5	0.4	886	2.752	-66179	750348	2803404	SLD 5	0.51	1749	3.637	Si
191	258	10387	31122	SLD 5	0.4	899	2.769	-63541	983984	2803404	SLD 5	0.39	857	2.715	Si
214	80	-10387	-30847	SLD 11	0.4	902	2.772	-64890	1217650	2803404	SLD 5	0.32	511	2.196	Si
236	-97	-10387	-30624	SLD 11	0.39	875	2.738	-70225	-1451330	-3968531	SLD 11	0.36	702	2.502	Si
248	-185	-10387	-31113	SLD 11	0.4	902	2.772	-74388	-1568173	-4200388	SLD 11	0.35	668	2.451	Si
270	-363	-10387	-31015	SLD 11	0.4	883	2.748	-85703	-1801863	-4648133	SLD 11	0.34	609	2.36	Si
293	-540	-10387	-30965	SLD 11	0.39	867	2.728	-94322	-1941351	-4919348	SLD 11	0.34	582	2.317	Si
313	-697	-10387	-30965	SLD 11	0.39	857	2.715	-94322	-1941351	-4919348	SLD 11	0.34	582	2.317	Si

Campata 9 tra i fili 36C - 25D, sezione R 45x70, asta 809

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	41.81	6.9	41.81	6.9	603757	SLU 30	566645	4919348	0.14						Si
9	41.81	6.9	41.81	6.9	577148	SLU 30	561616	4919348	0.14						Si
18	41.81	6.9	41.81	6.9	549740	SLU 30	546526	4919348	0.14						Si
25	41.81	6.9	41.81	6.9	526357	SLU 30	526357	4919348	0.14						Si
35	41.81	6.9	41.81	6.9	492528	SLU 30	526357	4919348	0.14						Si
40	41.81	6.9	40.77	6.8	477726	SLU 30	526357	4809450	0.138						Si
49	41.33	6.8	37.79	6.7	447522	SLU 30	526357	4495376	0.133						Si
57	37.99	6.8	34.82	6.5	416520	SLU 30	515511	4170572	0.129						Si
66	34.66	6.7	31.85	6.3	384821	SLU 29	486339	3845102	0.124						Si
75	31.33	6.7	22.81	5.4	352440	SLU 29	456368	2852775	0.109						Si
84	28	6.6	22.81	5.4	319261	SLU 29	425598	2839442	0.108						Si
93	24.67	6.5	22.81	5.4	285283	SLU 29	394068	2826223	0.108						Si
102	11.4	5.4	22.81	5.4	250505	SLU 29	361919	2773209	0.105						Si
106	11.4	5.4	22.81	5.4	232817	SLU 29	345546	2773209	0.105						Si
110	11.4	5.4	22.81	5.4	216617	SLU 29	330547	2773209	0.105						Si
115	11.4	5.4	22.81	5.4	196842	SLU 29	196842	2773209	0.105						Si
124	11.4	5.4	22.81	5.4	160068	SLU 29	160068	2773209	0.105						Si
132	11.4	5.4	22.81	5.4	122651	SLU 20	122651	2773209	0.105						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	41.81	6.9	41.81	6.9	3808298	SLV 7	3384568	4919348	0.14	-2969459	SLV 9	-2594784	-4919348	0.14	Si
9	41.81	6.9	41.81	6.9	3508408	SLV 7	3331315	4919348	0.14	-2704825	SLV 9	-2548265	-4919348	0.14	Si
18	41.81	6.9	41.81	6.9	3207927	SLV 7	3171555	4919348	0.14	-2440828	SLV 9	-2408708	-4919348	0.14	Si
25	41.81	6.9	41.81	6.9	2958011	SLV 7	2958011	4919348	0.14	-2222169	SLV 9	-2222169	-4919348	0.14	Si
35	41.81	6.9	41.81	6.9	2605228	SLV 7	2958011	4919348	0.14	-1914785	SLV 9	-2222169	-4919348	0.14	Si
40	41.81	6.9	40.77	6.8	2454203	SLV 7	2958011	4809450	0.138	-1783692	SLV 9	-2222169	-4917694	0.14	Si
49	41.33	6.8	37.79	6.7	2151759	SLV 7	2958011	4495376	0.133	-1522033	SLV 9	-2222169	-4860385	0.139	Si
57	37.99	6.8	34.82	6.5	1848836	SLV 7	2843833	4170572	0.129	-1261125	SLV 9	-2122524	-4496274	0.131	Si
66	34.66	6.7	31.85	6.3	1545558	SLV 7	2542082	3845102	0.124	-1001090	SLV 9	-1859973	-4129334	0.12	Si
75	31.33	6.7	22.81	5.4	1242297	SLV 7	2239790	2852775	0.109	-742302	SLV 9	-1598109	-3701429	0.107	Si
84	28	6.6	22.81	5.4	941549	SLV 7	1937001	2839442	0.108	-487256	SLV 9	-1336977	-3320931	0.103	Si
93	24.67	6.5	22.81	5.4	681447	SLV 11	1633813	2826223	0.108	-274084	SLV 5	-1076675	-2940194	0.099	Si
102	11.4	5.4	22.81	5.4	459372	SLV 11	1330499	2773209	0.105	-100168	SLV 5	-817476	-1422107	0.084	Si
106	11.4	5.4	22.81	5.4	479019	SLV 15	1179087	2773209	0.105	-144356	SLV 1	-688582	-1422107	0.084	Si
110	11.4	5.4	22.81	5.4	520362	SLV 15	1042692	2773209	0.105	-208203	SLV 1	-572843	-1422107	0.084	Si
115	11.4	5.4	22.81	5.4	606166	SLV 13	556933	2773209	0.105	-321506	SLV 3	-269167	-1422107	0.084	Si
124	11.4	5.4	22.81	5.4	783155	SLV 13	663642	2773209	0.105	-549727	SLV 3	-405288	-1422107	0.084	Si
132	11.4	5.4	22.81	5.4	961909	SLV 13	699212	2773209	0.105	-780941	SLV 3	-450661	-1422107	0.084	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	41.81	6.9	41.81	6.9	1919080	SLD 7	1717891	4919348	0.14	-1080241	SLD 9	-928106	-4919348	0.14	Si
9	41.81	6.9	41.81	6.9	1776542	SLD 7	1692447	4919348	0.14	-972959	SLD 9	-909398	-4919348	0.14	Si
18	41.81	6.9	41.81	6.9	1633400	SLD 7	1616118	4919348	0.14	-866301	SLD 9	-853271	-4919348	0.14	Si
25	41.81	6.9	41.81	6.9	1514091	SLD 7	1514091	4919348	0.14	-778249	SLD 9	-778249	-4919348	0.14	Si
35	41.81	6.9	41.81	6.9	1345319	SLD 7	1514091	4919348	0.14	-654875	SLD 9	-778249	-4919348	0.14	Si
40	41.81	6.9	40.77	6.8	1272929	SLD 7	1514091	4809450	0.138	-602418	SLD 9	-778249	-4917694	0.14	Si
49	41.33	6.8	37.79	6.7	1127718	SLD 7	1514091	4495376	0.133	-497992	SLD 9	-778249	-4860385	0.139	Si
57	37.99	6.8	34.82	6.5	981952	SLD 7	1459513	4170572	0.129	-394241	SLD 9	-738204	-4496274	0.131	Si
66	34.66	6.7	31.85	6.3	835685	SLD 7	1315052	3845102	0.124	-291217	SLD 9	-632942	-4129334	0.12	Si
75	31.33	6.7	22.81	5.4	689080	SLD 7	1170008	2852775	0.109	-189086	SLD 9	-528326	-3701429	0.107	Si
84	28	6.6	22.81	5.4	543241	SLD 7	1024401	2839442	0.108	-88948	SLD 9	-424377	-3320931	0.103	Si
93	24.67	6.5	22.81	5.4	415032	SLD 11	878273	2826223	0.108	-7669	SLD 5	-321135	-2940194	0.099	Si
102	11.4	5.4	22.81	5.4	303258	SLD 11	731746	2773209	0.105	55946	SLD 5	-218723	-1422107	0.084	Si
106	11.4	5.4	22.81	5.4	305163	SLD 15	658461	2773209	0.105	29500	SLD 1	-167956	-1422107	0.084	Si
110	11.4	5.4	22.81	5.4	317164	SLD 15	592340	2773209	0.105	-5004	SLD 1	-122491	-1422107	0.084	Si
115	11.4	5.4	22.81	5.4	347521	SLD 13	326749	2773209	0.105	-62861	SLD 3	-38983	-1422107	0.084	Si
124	11.4	5.4	22.81	5.4	411585	SLD 13	365769	2773209	0.105	-178157	SLD 3	-107414	-1422107	0.084	Si
132	11.4	5.4	22.81	5.4	476068	SLD 13	378775	2773209	0.105	-295100	SLD 3	-130225	-1422107	0.084	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	33.33	0	-2967	SLU 30	-2967	-15444	-75177	0	-15444	1	Si
9	0	30.36	0	-3058	SLU 30	-3058	-14970	-75177	0	-14970	1	Si
18	0	22.81	0	-3148	SLU 30	-3148	-13609	-75177	0	-13609	1	Si
25	0.378	22.81	0	-3223	SLU 30	-3223	-13609	-75177	-42948	-42948	1	Si
35	0.378	22.81	0	-3329	SLU 30	-3329	-13609	-75177	-42948	-42948	1	Si
40	0.378	22.81	0	-3374	SLU 30	-3374	-13613	-75230	-42979	-42979	1	Si
49	0.378	22.81	0	-3464	SLU 30	-3464	-13628	-75398	-43075	-43075	1	Si
57	0.378	22.81	0	-3555	SLU 30	-3555	-13646	-75594	-43187	-43187	1	Si
66	0.378	22.81	0	-3645	SLU 30	-3645	-13666	-75827	-43320	-43320	1	Si
75	0.378	22.81	0	-3736	SLU 30	-3736	-13761	-76908	-43938	-43938	1	Si
84	0.378	22.81	0	-3826	SLU 30	-3826	-13761	-76908	-43938	-43938	1	Si
93	0.378	22.81	0	-3917	SLU 30	-3917	-13761	-76908	-43938	-43938	1	Si
102	0.378	22.81	0	-4007	SLU 30	-4007	-13761	-76908	-43938	-43938	1	Si
106	0.378	22.81	0	-4052	SLU 30	-4052	-13761	-76908	-43938	-43938	1	Si
110	0.378	22.81	0	-4093	SLU 30	-4093	-13761	-76908	-43938	-43938	1	Si
115	0	22.81	0	-4143	SLU 30	-4143	-13761	-76908	0	-13761	1	Si
124	0	22.81	0	-4233	SLU 30	-4233	-13761	-76908	0	-13761	1	Si
132	0	22.81	0	-4324	SLU 30	-4324	-13761	-76908	0	-13761	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	36.33	0	30006	SLV 9	38317	15893	75177	0	15893	1	Si
0	0	33.33	0	-33928	SLV 7	-42239	-15444	-75177	0	-15444	1	Si
9	0	33	0	29936	SLV 9	38248	15392	75177	0	15392	1	Si
9	0	30.36	0	-33997	SLV 7	-42309	-14970	-75177	0	-14970	1	Si
18	0	29.67	0	29867	SLV 9	38178	14855	75177	0	14855	1	Si
18	0	22.81	0	-34067	SLV 7	-42378	-13609	-75177	0	-13609	1	Si
25	0.378	26.34	0	29809	SLV 9	38121	14277	75177	42948	42948	1	Si
25	0.378	22.81	0	-34125	SLV 7	-42436	-13609	-75177	-42948	-42948	1	Si
35	0.378	11.4	0	29728	SLV 9	38039	10801	75177	42948	42948	1	Si
35	0.378	22.81	0	-34206	SLV 7	-42517	-13609	-75177	-42948	-42948	1	Si
40	0.378	11.4	0	29693	SLV 9	38004	10801	75177	42948	42948	1	Si
40	0.378	22.81	0	-34241	SLV 7	-42552	-13613	-75230	-42979	-42979	1	Si
49	0.378	11.4	0	29623	SLV 9	37935	10802	75184	42953	42953	1	Si
49	0.378	22.81	0	-34310	SLV 7	-42622	-13628	-75398	-43075	-43075	1	Si
57	0.378	11.4	0	29554	SLV 9	37865	10806	75242	42986	42986	1	Si
57	0.378	22.81	0	-34380	SLV 7	-42691	-13646	-75594	-43187	-43187	1	Si
66	0.378	11.4	0	29484	SLV 9	37796	10811	75311	43025	43025	1	Si
66	0.378	22.81	0	-34449	SLV 7	-42761	-13666	-75827	-43320	-43320	1	Si
75	0.378	11.4	0	29415	SLV 9	37726	10816	75394	43072	43072	1	Si
75	0.378	22.81	0	-34519	SLV 7	-42830	-13761	-76908	-43938	-43938	1	Si
84	0.378	11.4	0	29345	SLV 9	37657	10824	75497	43131	43131	1	Si
84	0.378	22.81	0	-34589	SLV 7	-42900	-13761	-76908	-43938	-43938	1	Si
93	0.378	11.4	0	29276	SLV 9	37587	10833	75628	43206	43206	1	Si
93	0.378	22.81	0	-34658	SLV 7	-42969	-13761	-76908	-43938	-43938	1	Si
102	0.378	22.81	0	29206	SLV 9	37517	13761	76908	43938	43938	1	Si
102	0.378	22.81	0	-34728	SLV 7	-43039	-13761	-76908	-43938	-43938	1	Si
106	0.378	22.81	0	29171	SLV 9	37483	13761	76908	43938	43938	1	Si
106	0.378	22.81	0	-34762	SLV 7	-43074	-13761	-76908	-43938	-43938	1	Si
110	0.378	22.81	0	29140	SLV 9	37451	13761	76908	43938	43938	1	Si
110	0.378	22.81	0	-34794	SLV 7	-43105	-13761	-76908	-43938	-43938	1	Si
115	0	22.81	0	29102	SLV 9	37413	13761	76908	0	13761	1	Si
115	0	11.4	0	-34832	SLV 7	-43143	-10922	-76908	0	-10922	1	Si
124	0	22.81	0	29032	SLV 9	37344	13761	76908	0	13761	1	Si
124	0	11.4	0	-34902	SLV 7	-43213	-10922	-76908	0	-10922	1	Si
132	0	22.81	0	28963	SLV 9	37274	13761	76908	0	13761	1	Si
132	0	11.4	0	-34971	SLV 7	-43282	-10922	-76908	0	-10922	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	36.33	0	12185	SLD 9	12185	15893	75177	0	15893	1	Si
0	0	33.33	0	-16107	SLD 7	-16107	-15444	-75177	0	-15444	1	Si
9	0	33	0	12116	SLD 9	12116	15392	75177	0	15392	1	Si
9	0	30.36	0	-16177	SLD 7	-16177	-14970	-75177	0	-14970	1	Si
18	0	29.67	0	12046	SLD 9	12046	14855	75177	0	14855	1	Si
18	0	22.81	0	-16246	SLD 7	-16246	-13609	-75177	0	-13609	1	Si
25	0.378	26.34	0	11989	SLD 9	11989	14277	75177	42948	42948	1	Si
25	0.378	22.81	0	-16304	SLD 7	-16304	-13609	-75177	-42948	-42948	1	Si
35	0.378	11.4	0	11907	SLD 9	11907	10801	75177	42948	42948	1	Si
35	0.378	22.81	0	-16385	SLD 7	-16385	-13609	-75177	-42948	-42948	1	Si
40	0.378	11.4	0	11872	SLD 9	11872	10801	75177	42948	42948	1	Si
40	0.378	22.81	0	-16420	SLD 7	-16420	-13613	-75230	-42979	-42979	1	Si
49	0.378	11.4	0	11803	SLD 9	11803	10802	75184	42953	42953	1	Si
49	0.378	22.81	0	-16490	SLD 7	-16490	-13628	-75398	-43075	-43075	1	Si
57	0.378	11.4	0	11733	SLD 9	11733	10806	75242	42986	42986	1	Si
57	0.378	22.81	0	-16559	SLD 7	-16559	-13646	-75594	-43187	-43187	1	Si
66	0.378	11.4	0	11664	SLD 9	11664	10811	75311	43025	43025	1	Si
66	0.378	22.81	0	-16629	SLD 7	-16629	-13666	-75827	-43320	-43320	1	Si
75	0.378	11.4	0	11594	SLD 9	11594	10816	75394	43072	43072	1	Si
75	0.378	22.81	0	-16698	SLD 7	-16698	-13761	-76908	-43938	-43938	1	Si
84	0.378	11.4	0	11525	SLD 9	11525	10824	75497	43131	43131	1	Si
84	0.378	22.81	0	-16768	SLD 7	-16768	-13761	-76908	-43938	-43938	1	Si
93	0.378	22.81	0	11455	SLD 9	11455	13761	76908	43938	43938	1	Si
93	0.378	22.81	0	-16837	SLD 7	-16837	-13761	-76908	-43938	-43938	1	Si
102	0.378	22.81	0	11385	SLD 9	11385	13761	76908	43938	43938	1	Si
102	0.378	22.81	0	-16907	SLD 7	-16907	-13761	-76908	-43938	-43938	1	Si
106	0.378	22.81	0	11351	SLD 9	11351	13761	76908	43938	43938	1	Si
106	0.378	22.81	0	-16942	SLD 7	-16942	-13761	-76908	-43938	-43938	1	Si
110	0.378	22.81	0	11319	SLD 9	11319	13761	76908	43938	43938	1	Si
110	0.378	22.81	0	-16973	SLD 7	-16973	-13761	-76908	-43938	-43938	1	Si
115	0	22.81	0	11281	SLD 9	11281	13761	76908	0	13761	1	Si
115	0	22.81	0	-17011	SLD 7	-17011	-13761	-76908	0	-13761	1	Si
124	0	22.81	0	11212	SLD 9	11212	13761	76908	0	13761	1	Si
124	0	11.4	0	-17081	SLD 7	-17081	-10922	-76908	0	-10922	1	Si
132	0	22.81	0	11142	SLD 9	11142	13761	76908	0	13761	1	Si
132	0	11.4	0	-17151	SLD 7	-17151	-10922	-76908	0	-10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara	Quasi permanente	Verifica

	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	445817	3	418947	7.5	124.5	186.3	1837	419419	2	394892	7.1	93.4	0	+∞	Si
9	426534	3	415287	7.5	124.5	184.7	1837	401792	2	391525	7	93.4	0	+∞	Si
18	406636	3	404308	7.3	124.5	179.8	1837	383549	2	381423	6.8	93.4	0	+∞	Si
25	389633	3	389633	7	124.5	173.3	1837	367921	2	367921	6.6	93.4	0	+∞	Si
35	364997	3	389633	7	124.5	173.3	1837	345222	2	367921	6.6	93.4	0	+∞	Si
40	354203	3	389633	7	124.5	177.2	1837	335256	2	367921	6.6	93.4	0	+∞	Si
49	332155	3	389633	7.2	124.5	189.5	1837	314863	2	367921	6.8	93.4	0	+∞	Si
57	309492	3	381739	7.4	124.5	199.7	1837	293855	2	360654	7	93.4	0	+∞	Si
66	286282	2	360484	7.3	124.5	204.2	1837	272234	2	341055	6.9	93.4	0	+∞	Si
75	262537	2	338614	7.6	124.5	255.8	1837	249997	2	320841	7.2	93.4	0	+∞	Si
84	238177	2	316130	7.3	124.5	239.1	1837	227147	2	300012	7	93.4	0	+∞	Si
93	213202	2	293057	7	124.5	221.9	1837	203681	2	278569	6.7	93.4	0	+∞	Si
102	187613	2	269490	7.3	124.5	205.4	1837	179602	2	256512	7	93.4	0	+∞	Si
106	174588	2	257476	7	124.5	196.3	1837	167332	2	245252	6.7	93.4	0	+∞	Si
110	162653	2	246465	6.7	124.5	187.9	1837	156080	2	234925	6.4	93.4	0	+∞	Si
115	148077	2	148077	4	124.5	112.9	1837	142330	2	142330	3.9	93.4	0	+∞	Si
124	120952	2	120952	3.3	124.5	92.2	1837	116714	2	116714	3.2	93.4	0	+∞	Si
132	93212	2	93212	2.5	124.5	71.1	1837	90484	2	90484	2.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
9	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
18	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2	0.001	2	9999	Si
25	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
35	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
40	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
49	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.002	2	0.002	2	9999	Si
57	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.002	2	9999	Si
62	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.002	2	9999	Si
66	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.002	2	9999	Si
75	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
84	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
93	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
102	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
106	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2	0.001	2	9999	Si
110	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2	0.001	2	9999	Si
115	0.001	0	0.001	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si
124	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
25	-2158	-40278	-42948	SLV 7	0.37	734	1.013	367921	2590090	4919348	SLV 7	0.57	2474	1.666	Si
35	-2239	-40278	-42948	SLV 7	0.37	730	1.01	367921	2590090	4919348	SLV 7	0.57	2474	1.666	Si
40	-2274	-40278	-42979	SLV 7	0.37	730	1.01	367921	2590090	4809450	SLV 7	0.57	2474	1.666	Si
49	-2343	-40278	-43075	SLV 7	0.37	731	1.011	367921	2590090	4495376	SLV 7	0.57	2390	1.643	Si
57	-2413	-40278	-43187	SLV 7	0.37	733	1.012	360654	2483179	4170572	SLV 7	0.55	2160	1.576	Si
66	-2483	-40278	-43320	SLV 7	0.37	736	1.014	341055	2201028	3845102	SLV 7	0.57	2384	1.641	Si
75	-2552	-40278	-43938	SLV 7	0.37	760	1.027	320841	1918950	2852775	SLV 7	0.47	1443	1.336	Si
84	-2622	-40278	-43938	SLV 7	0.37	757	1.025	300012	1636989	2839442	SLV 7	0.55	2224	1.595	Si
93	-2691	-40278	-43938	SLV 7	0.37	754	1.024	278569	1355244	2826223	SLV 7	0.57	2474	1.666	Si
102	-2761	-40278	-43938	SLV 7	0.37	751	1.022	256512	-1073987	-1422107	SLV 9	0.56	2270	1.609	Si
106	-2796	-40278	-43938	SLV 7	0.37	749	1.021	245252	-933835	-1422107	SLV 9	0.57	2474	1.666	Si
110	-2827	-40278	-43938	SLV 7	0.37	748	1.02	156080	-364282	-1422107	SLV 1	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
25	-2158	-14146	-42948	SLD 7	0.39	835	2.686	367921	1146170	4919348	SLD 7	0.53	1934	3.79	Si
35	-2239	-14146	-42948	SLD 7	0.39	831	2.681	367921	1146170	4919348	SLD 7	0.53	1934	3.79	Si
40	-2274	-14146	-42979	SLD 7	0.39	831	2.681	367921	1146170	4809450	SLD 7	0.51	1811	3.69	Si
49	-2343	-14146	-43075	SLD 7	0.39	832	2.682	367921	1146170	4495376	SLD 7	0.48	1489	3.405	Si
57	-2413	-14146	-43187	SLD 7	0.39	834	2.685	360654	1098858	4170572	SLD 7	0.46	1347	3.268	Si
66	-2483	-14146	-43320	SLD 7	0.39	838	2.69	341055	973997	3845102	SLD 7	0.48	1486	3.402	Si
75	-2552	-14146	-43938	SLD 7	0.39	865	2.725	320841	849167	2852775	SLD 7	0.4	906	2.777	Si
84	-2622	-14146	-43938	SLD 7	0.39	861	2.72	300012	724389	2839442	SLD 7	0.47	1386	3.306	Si
93	-2691	-14146	-43938	SLD 7	0.39	858	2.716	278569	599704	2826223	SLD 7	0.56	2317	4.082	Si
102	-2761	-14146	-43938	SLD 7	0.39	855	2.712	256512	-475234	-1422107	SLD 9	0.47	1415	3.335	Si
106	-2796	-14146	-43938	SLD 7	0.39	852	2.708	245252	-413209	-1422107	SLD 9	0.53	2020	3.859	Si
110	-2827	-14146	-43938	SLD 7	0.39	851	2.707	156080	-161084	-1422107	SLD 1	0.6	2474	4.193	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 70-72

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 70 - 71, sezione R 45x70, asta 783

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	19.01	5.4						-1223595	SLU 30	-1050368	-3222510	0.102	Si
23	26.61	5.4	19.01	5.4						-886643	SLU 30	-886643	-3222510	0.102	Si
45	26.61	5.4	19.01	5.4						-564348	SLU 30	-886643	-3222510	0.102	Si
68	26.24	5.4	19.01	5.4	-165516	SLU 1	88016	2322428	0.09	-264731	SLU 30	-653296	-3178288	0.102	Si
91	21.96	5.4	19.01	5.4	14994	SLU 21	338434	2322603	0.091	2713	SLU 15	-347921	-2672727	0.096	Si
102	19.83	5.4	19.01	5.4	145077	SLU 30	455082	2322811	0.092	87484	SLU 6	-202964	-2419806	0.093	Si
125	11.4	5.4	19.01	5.4	390599	SLU 30	670706	2323557	0.097						Si
147	11.4	5.4	19.01	5.4	612954	SLU 30	862040	2323557	0.097						Si
170	11.4	5.4	19.01	5.4	811266	SLU 30	1028211	2323557	0.097						Si
193	11.4	5.4	19.01	5.4	984661	SLU 30	1168343	2323557	0.097						Si
215	11.4	5.4	19.01	5.4	1132264	SLU 30	1281566	2323557	0.097						Si
238	11.4	5.4	19.01	5.4	1253202	SLU 30	1367021	2323557	0.097						Si
261	15.75	5.4	19.01	5.4	1346615	SLU 30	1423851	2323101	0.094						Si
272	16.82	5.4	20.53	5.7	1382732	SLU 30	1441264	2490980	0.096						Si
295	18.96	5.4	22.05	6	1433249	SLU 30	1454097	2659366	0.097						Si
318	19.01	5.4	22.81	6.1	1454083	SLU 30	1454097	2742452	0.098						Si
340	19.01	5.4	22.81	6.1	1444035	SLU 30	1444035	2742452	0.098						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	19.01	5.4	1544844	SLV 15	1544844	2322404	0.09	-3252477	SLV 1	-3017004	-3222510	0.102	Si
23	26.61	5.4	19.01	5.4	1549224	SLV 15	1549232	2322404	0.09	-2787894	SLV 1	-2787894	-3222510	0.102	Si
45	26.61	5.4	19.01	5.4	1540350	SLV 15	1549232	2322404	0.09	-2329789	SLV 1	-2787894	-3222510	0.102	Si
68	26.24	5.4	19.01	5.4	1517808	SLV 15	1543811	2322428	0.09	-1888818	SLV 1	-2457284	-3178288	0.102	Si
91	21.96	5.4	19.01	5.4	1481115	SLV 15	1525156	2322603	0.091	-1462077	SLV 1	-2012408	-2672727	0.096	Si
102	19.83	5.4	19.01	5.4	1457289	SLV 15	1510612	2322811	0.092	-1254226	SLV 1	-1795213	-2419806	0.093	Si
125	11.4	5.4	19.01	5.4	1398339	SLV 15	1470751	2323557	0.097	-849939	SLV 1	-1371662	-1422107	0.084	Si
147	11.4	5.4	19.01	5.4	1323887	SLV 15	1416069	2323557	0.097	-461386	SLV 1	-963061	-1422107	0.084	Si
170	11.4	5.4	19.01	5.4	1233453	SLV 15	1346032	2323557	0.097	-89233	SLV 1	-570019	-1422107	0.084	Si
193	11.4	5.4	19.01	5.4	1126698	SLV 15	1260145	2323557	0.097	265718	SLV 1	-193183	-1422107	0.084	Si
215	11.4	5.4	19.01	5.4	1003992	SLV 15	1158014	2323557	0.097						Si
238	11.4	5.4	19.01	5.4	958980	SLV 3	1324110	2323557	0.097						Si
261	15.75	5.4	19.01	5.4	1244787	SLV 3	1583910	2323101	0.094						Si
272	16.82	5.4	20.53	5.7	1385181	SLV 3	1727235	2490980	0.096						Si
295	18.96	5.4	22.05	6	1654753	SLV 1	1908349	2659366	0.097						Si
318	19.01	5.4	22.81	6.1	1908349	SLV 1	1908349	2742452	0.098						Si
340	19.01	5.4	22.81	6.1	2138620	SLV 1	2029154	2742452	0.098	-28989	SLV 15	-28989	-2353823	0.097	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	19.01	5.4	207675	SLD 15	207675	2322404	0.09	-1915308	SLD 1	-1743945	-3222510	0.102	Si
23	26.61	5.4	19.01	5.4	340330	SLD 15	491921	2322404	0.09	-1579000	SLD 1	-1579000	-3222510	0.102	Si
45	26.61	5.4	19.01	5.4	461619	SLD 15	595421	2322404	0.09	-1251059	SLD 1	-1579000	-3222510	0.102	Si
68	26.24	5.4	19.01	5.4	568274	SLD 15	683780	2322428	0.09	-939285	SLD 1	-1342052	-3178288	0.102	Si
91	21.96	5.4	19.01	5.4	660756	SLD 15	757245	2322603	0.091	-641718	SLD 1	-1026377	-2672727	0.096	Si
102	19.83	5.4	19.01	5.4	701506	SLD 15	788219	2322811	0.092	-498444	SLD 1	-873776	-2419806	0.093	Si
125	11.4	5.4	19.01	5.4	771676	SLD 15	838309	2323557	0.097	-223276	SLD 1	-579394	-1422107	0.084	Si
147	11.4	5.4	19.01	5.4	826278	SLD 15	872160	2323557	0.097	36223	SLD 1	-299925	-1422107	0.084	Si
170	11.4	5.4	19.01	5.4	864780	SLD 15	889347	2323557	0.097	279440	SLD 1	-35957	-1422107	0.084	Si
193	11.4	5.4	19.01	5.4	886713	SLD 15	891915	2323557	0.097						Si
215	11.4	5.4	19.01	5.4	891915	SLD 15	968938	2323557	0.097						Si
238	11.4	5.4	19.01	5.4	921471	SLD 3	1131168	2323557	0.097						Si
261	15.75	5.4	19.01	5.4	1087217	SLD 3	1271743	2323101	0.094						Si
272	16.82	5.4	20.53	5.7	1165007	SLD 3	1343814	2490980	0.096						Si
295	18.96	5.4	22.05	6	1307516	SLD 1	1431906	2659366	0.097						Si
318	19.01	5.4	22.81	6.1	1431906	SLD 1	1431906	2742452	0.098						Si
340	19.01	5.4	22.81	6.1	1534392	SLD 1	1488547	2742452	0.098						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.24	0	15397	SLU 30	15397	14418	76908	0	14418	1	Si
11	0	24.1	0	14975	SLU 30	14975	14015	76908	0	14015	1	Si
23	0.201	21.96	0	14553	SLU 30	14553	13588	76908	23342	23342	1	Si
45	0.201	17.69	0	13669	SLU 30	13669	12643	76908	23342	23342	1	Si
68	0.201	11.4	0	12762	SLU 30	12762	10922	76908	23342	23342	1	Si
91	0.201	19.01	0	11817	SLU 30	11817	12949	76908	23342	23342	1	Si
102	0.182	19.01	0	11330	SLU 30	11330	12949	76908	21083	21083	1	Si
125	0.182	19.01	0	10327	SLU 30	10327	12949	76908	21083	21083	1	Si
147	0.182	19.01	0	9286	SLU 30	9286	12949	76908	21083	21083	1	Si
170	0.182	19.01	0	8206	SLU 30	8206	12949	76908	21083	21083	1	Si
193	0.182	19.01	0	7087	SLU 30	7087	12949	76908	21083	21083	1	Si
215	0.182	19.01	0	5930	SLU 30	5930	12949	76908	21083	21083	1	Si
238	0.182	19.01	0	4797	SLU 36	4797	12949	76908	21083	21083	1	Si
261	0.144	19.01	0	3688	SLU 35	3688	12949	76908	16673	16673	1	Si
272	0.144	19.01	0	3221	SLU 26	3221	12920	76555	16596	16596	1	Si
295	0.144	19.01	0	2321	SLU 26	2321	12895	76250	16530	16530	1	Si
318	0.144	19.01	0	1389	SLU 26	1389	12884	76115	16501	16501	1	Si
318	0.144	19.01	0	-134	SLU 11	-134	-12884	-76115	-16501	-16501	1	Si
340	0	20.53	0	363	SLU 26	363	13219	76115	0	13219	1	Si
340	0	20.53	0	-1415	SLU 11	-1415	-13219	-76115	0	-13219	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.24	0	20939	SLV 1	23599	14418	76908	0	14418	1	Si
0	0	19.01	0	477	SLV 15	-2183	-12949	-76908	0	-12949	1	Si
11	0	24.1	0	20652	SLV 1	23312	14015	76908	0	14015	1	Si
11	0	19.01	0	190	SLV 15	-2470	-12949	-76908	0	-12949	1	Si
23	0.201	21.96	0	20365	SLV 1	23025	13588	76908	23342	23342	1	Si
23	0.201	19.01	0	-97	SLV 15	-2757	-12949	-76908	-23342	-23342	1	Si
45	0.201	17.69	0	19766	SLV 1	22426	12643	76908	23342	23342	1	Si
45	0.201	19.01	0	-696	SLV 15	-3356	-12949	-76908	-23342	-23342	1	Si
68	0.201	11.4	0	19152	SLV 1	21812	10922	76908	23342	23342	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
68	0.201	19.01	0	-1310	SLV 15	-3970	-12949	-76908	-23342	-23342	1	Si
91	0.201	11.4	0	18514	SLV 1	21174	10922	76908	23342	23342	1	Si
91	0.201	19.01	0	-1948	SLV 15	-4608	-12949	-76908	-23342	-23342	1	Si
102	0.182	11.4	0	18185	SLV 1	20845	10922	76908	21083	21083	1	Si
102	0.182	19.01	0	-2277	SLV 15	-4937	-12949	-76908	-21083	-21083	1	Si
125	0.182	11.4	0	17508	SLV 1	20168	10922	76908	21083	21083	1	Si
125	0.182	19.01	0	-2954	SLV 15	-5614	-12949	-76908	-21083	-21083	1	Si
147	0.182	11.4	0	16807	SLV 1	19467	10922	76908	21083	21083	1	Si
147	0.182	19.01	0	-3655	SLV 15	-6315	-12949	-76908	-21083	-21083	1	Si
170	0.182	11.4	0	16080	SLV 1	18740	10922	76908	21083	21083	1	Si
170	0.182	19.01	0	-4382	SLV 15	-7042	-12949	-76908	-21083	-21083	1	Si
193	0.182	19.01	0	15328	SLV 1	17988	12949	76908	21083	21083	1	Si
193	0.182	19.01	0	-5134	SLV 15	-7794	-12949	-76908	-21083	-21083	1	Si
215	0.182	19.01	0	14550	SLV 1	17210	12949	76908	21083	21083	1	Si
215	0.182	19.01	0	-5912	SLV 15	-8572	-12949	-76908	-21083	-21083	1	Si
238	0.182	19.01	0	13748	SLV 1	16408	12949	76908	21083	21083	1	Si
238	0.182	19.01	0	-6714	SLV 15	-9374	-12949	-76908	-21083	-21083	1	Si
261	0.144	19.01	0	12921	SLV 1	15581	12949	76908	16673	16673	1	Si
261	0.144	19.01	0	-7541	SLV 15	-10201	-12949	-76908	-16673	-16673	1	Si
272	0.144	19.01	0	12498	SLV 1	15158	12920	76555	16596	16596	1	Si
272	0.144	19.01	0	-7964	SLV 15	-10624	-12920	-76555	-16596	-16596	1	Si
295	0.144	19.01	0	11634	SLV 1	14294	12895	76250	16530	16530	1	Si
295	0.144	19.01	0	-8828	SLV 15	-11488	-12895	-76250	-16530	-16530	1	Si
318	0.144	19.01	0	10738	SLV 1	13398	12884	76115	16501	16501	1	Si
318	0.144	19.01	0	-9724	SLV 15	-12384	-12884	-76115	-16501	-16501	1	Si
340	0	20.53	0	9747	SLV 1	12407	13219	76115	0	13219	1	Si
340	0	16.82	0	-10715	SLV 15	-13375	-12432	-76908	0	-12432	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.24	0	15235	SLD 1	15235	14418	76908	0	14418	1	Si
11	0	24.1	0	14949	SLD 1	14949	14015	76908	0	14015	1	Si
23	0.201	21.96	0	14662	SLD 1	14662	13588	76908	23342	23342	1	Si
45	0.201	17.69	0	14063	SLD 1	14063	12643	76908	23342	23342	1	Si
68	0.201	11.4	0	13449	SLD 1	13449	10922	76908	23342	23342	1	Si
91	0.201	11.4	0	12810	SLD 1	12810	10922	76908	23342	23342	1	Si
102	0.182	11.4	0	12481	SLD 1	12481	10922	76908	21083	21083	1	Si
125	0.182	11.4	0	11805	SLD 1	11805	10922	76908	21083	21083	1	Si
147	0.182	19.01	0	11103	SLD 1	11103	12949	76908	21083	21083	1	Si
170	0.182	19.01	0	10376	SLD 1	10376	12949	76908	21083	21083	1	Si
193	0.182	19.01	0	9624	SLD 1	9624	12949	76908	21083	21083	1	Si
215	0.182	19.01	0	8847	SLD 1	8847	12949	76908	21083	21083	1	Si
215	0.182	19.01	0	-208	SLD 15	-208	-12949	-76908	-21083	-21083	1	Si
238	0.182	19.01	0	8044	SLD 1	8044	12949	76908	21083	21083	1	Si
238	0.182	19.01	0	-1010	SLD 15	-1010	-12949	-76908	-21083	-21083	1	Si
261	0.144	19.01	0	7217	SLD 1	7217	12949	76908	16673	16673	1	Si
261	0.144	19.01	0	-1838	SLD 15	-1838	-12949	-76908	-16673	-16673	1	Si
272	0.144	19.01	0	6795	SLD 1	6795	12920	76555	16596	16596	1	Si
272	0.144	19.01	0	-2260	SLD 15	-2260	-12920	-76555	-16596	-16596	1	Si
295	0.144	19.01	0	5930	SLD 1	5930	12895	76250	16530	16530	1	Si
295	0.144	19.01	0	-3125	SLD 15	-3125	-12895	-76250	-16530	-16530	1	Si
318	0.144	19.01	0	5035	SLD 1	5035	12884	76115	16501	16501	1	Si
318	0.144	19.01	0	-4020	SLD 15	-4020	-12884	-76115	-16501	-16501	1	Si
340	0	20.53	0	4043	SLD 1	4043	13219	76115	0	13219	1	Si
340	0	20.53	0	-5011	SLD 15	-5011	-13219	-76115	0	-13219	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-905077	3	-777062	18.4	124.5	506.5	1837	-853817	2	-733346	17.4	93.4	0	+∞	Si
23	-656008	3	-656008	15.6	124.5	427.6	1837	-619335	2	-619335	14.7	93.4	0	+∞	Si
45	-417637	3	-656008	15.6	124.5	427.6	1837	-394720	2	-619335	14.7	93.4	0	+∞	Si
68	-195875	3	-483434	11.5	124.5	319.4	1837	-185505	2	-456737	10.9	93.4	0	+∞	Si
91	10543	3	251295	6.4	124.5	225.9	1837	9519	2	237478	6	93.4	0	+∞	Si
102	107802	3	337940	8.8	124.5	304.2	1837	101531	2	319690	8.3	93.4	0	+∞	Si
125	290025	3	498330	14.4	124.5	452.3	1837	274200	2	472207	13.7	93.4	0	+∞	Si
147	455328	3	640988	18.5	124.5	581.8	1837	431250	2	608372	17.6	93.4	0	+∞	Si
170	603079	3	765286	22.1	124.5	694.6	1837	572110	2	727613	21	93.4	0	+∞	Si
193	732647	3	870590	25.2	124.5	790.1	1837	696208	2	829359	24	93.4	0	+∞	Si
215	843400	3	956273	27.6	124.5	867.9	1837	802971	2	913040	26.4	93.4	0	+∞	Si
238	934708	3	1021714	29.5	124.5	927.3	1837	891830	2	978095	28.3	93.4	0	+∞	Si
261	1005950	3	1066296	29.2	124.5	963.3	1837	962222	2	1023964	28	93.4	0	+∞	Si
272	1033852	3	1080570	28.7	124.5	915.8	1837	990317	2	1039529	27.6	93.4	0	+∞	Si
295	1073833	3	1092214	27.8	124.5	870.8	1837	1031956	2	1053774	26.8	93.4	0	+∞	Si
318	1092214	3	1092214	27.6	124.5	846.8	1837	1053774	2	1053774	26.6	93.4	0	+∞	Si
340	1088058	3	1088058	27.5	124.5	843.6	1837	1054816	2	1054816	26.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
45	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
68	0.008	0.007	0.006	0.005	0.007	0.007	0.006	0.005	0.007	0.007	0.014	2	0.013	2	9999	Si
91	0.011	0.01	0.009	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.021	2	0.019	2	9999	Si
102	0.013	0.011	0.01	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.024	2	0.022	2	9999	Si
125	0.016	0.014	0.013	0.012	0.016	0.014	0.013	0.012	0.015	0.014	0.03	2	0.028	2	9999	Si
147	0.019	0.017	0.016	0.014	0.018	0.017	0.015	0.014	0.018	0.017	0.035	2	0.033	2	9631	Si
170	0.021	0.019	0.017	0.015	0.021	0.019	0.017	0.015	0.02	0.019	0.039	2	0.037	2	8620	Si
193	0.023	0.02	0.019	0.016	0.022	0.02	0.018	0.016	0.022	0.02	0.042	2	0.039	2	8107	Si
204	0.023	0.02	0.019	0.017	0.022	0.02	0.018	0.017	0.022	0.02	0.042	2	0.04	2	8008	Si
215	0.023	0.02	0.019	0.017	0.022	0.02	0.018	0.017	0.022	0.02	0.042	2	0.04	2	8013	Si
238	0.022	0.019	0.018	0.016	0.021	0.019	0.017	0.016	0.021	0.019	0.041	2	0.038	2	8370	Si
261	0.02	0.017	0.016	0.014	0.019	0.017	0.016	0.014	0.019	0.017	0.036	2	0.034	2	9374	Si
272	0.018	0.016	0.015	0.013	0.017	0.016	0.014	0.013	0.017	0.016	0.033	2	0.031	2	9999	Si
295	0.013	0.012	0.011	0.01	0.013	0.012	0.011	0.01	0.013	0.012	0.025	2	0.023	2	9999	Si
318	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.014	2	0.013	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	10134	12891	23342	SLV 1	0.37	755	1.024	-619335	-2168559	-3222510	SLV 1	0.43	1123	1.205	Si
45	9535	12891	23342	SLV 1	0.39	841	1.071	-619335	-2168559	-3222510	SLV 1	0.43	1123	1.205	Si
68	8921	12891	23342	SLV 1	0.41	935	1.118	-456737	-2000547	-3178288	SLV 1	0.49	1566	1.381	Si
91	8283	12891	23342	SLV 1	0.42	1045	1.17	-243626	-1768782	-2672727	SLV 1	0.49	1606	1.396	Si
102	7954	12891	21083	SLV 1	0.37	744	1.018	-142300	-1652912	-2419806	SLV 1	0.49	1620	1.401	Si
125	7277	12891	21083	SLV 1	0.39	841	1.071	49544	-1421206	-1422107	SLV 1	0.38	775	1.035	Si
147	6576	12891	21083	SLV 1	0.41	949	1.125	226504	-1189565	-1422107	SLV 1	0.5	1645	1.41	Si
170	5849	12891	21083	SLV 1	0.43	1078	1.185	388007	-958025	-1422107	SLV 1	0.57	2474	1.666	Si
193	5097	12891	21083	SLV 1	0.45	1224	1.249	533481	726664	2323557	SLV 15	0.57	2474	1.666	Si
215	4319	12891	21083	SLV 1	0.47	1388	1.315	662354	495660	2323557	SLV 15	0.57	2474	1.666	Si
238	3517	12891	21083	SLV 1	0.49	1572	1.384	978095	346014	2323557	SLV 3	0.57	2474	1.666	Si
261	2690	12891	16673	SLV 1	0.39	868	1.085	1023964	559946	2323101	SLV 1	0.57	2474	1.666	Si
272	2267	12891	16596	SLV 1	0.4	921	1.111	1039529	687706	2490980	SLV 1	0.57	2474	1.666	Si
295	1403	12891	16530	SLV 1	0.42	1058	1.176	1053774	854575	2659366	SLV 1	0.57	2474	1.666	Si
318	507	12891	16501	SLV 1	0.45	1226	1.25	1053774	854575	2742452	SLV 1	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	10134	4527	23342	SLD 1	0.39	859	2.717	-619335	-959665	-3222510	SLD 1	0.37	719	2.526	Si
45	9535	4527	23342	SLD 1	0.41	957	2.841	-619335	-959665	-3222510	SLD 1	0.37	719	2.526	Si
68	8921	4527	23342	SLD 1	0.43	1074	2.978	-456737	-885315	-3178288	SLD 1	0.41	977	2.865	Si
91	8283	4527	23342	SLD 1	0.44	1206	3.123	-243626	-782752	-2672727	SLD 1	0.42	1002	2.895	Si
102	7954	4527	21083	SLD 1	0.39	847	2.702	-142300	-731475	-2419806	SLD 1	0.42	1011	2.905	Si
125	7277	4527	21083	SLD 1	0.41	957	2.841	49544	-628938	-1422107	SLD 1	0.32	504	2.184	Si
147	6576	4527	21083	SLD 1	0.43	1092	2.998	226504	-526429	-1422107	SLD 1	0.42	1027	2.924	Si
170	5849	4527	21083	SLD 1	0.45	1244	3.163	388007	-423964	-1422107	SLD 1	0.56	2348	4.104	Si
193	5097	4527	21083	SLD 1	0.47	1413	3.333	533481	321577	2323557	SLD 15	0.6	2474	4.193	Si
215	4319	4527	21083	SLD 1	0.49	1604	3.51	662354	193895	2323557	SLD 13	0.6	2474	4.193	Si
238	3517	4527	21083	SLD 1	0.51	1818	3.695	978095	153073	2323557	SLD 3	0.6	2474	4.193	Si
261	2690	4527	16673	SLD 1	0.41	989	2.879	1023964	247779	2323101	SLD 1	0.6	2474	4.193	Si
272	2267	4527	16596	SLD 1	0.42	1057	2.959	1039529	304285	2490980	SLD 1	0.6	2474	4.193	Si
295	1403	4527	16530	SLD 1	0.45	1221	3.139	1053774	378132	2659366	SLD 1	0.56	2314	4.08	Si
318	507	4527	16501	SLD 1	0.47	1415	3.335	1053774	378132	2742452	SLD 1	0.59	2474	4.193	Si

Campata 3 tra i fili 71 - 71A, sezione R 45x70, asta 784

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	22.81	6.1	1232701	SLU 36	1226171	2742452	0.098						Si
17	19.01	5.4	22.81	6.1	1215221	SLU 36	1214396	2742452	0.098						Si
23	19.01	5.4	22.81	6.1	1205943	SLU 36	1205943	2742452	0.098						Si
34	19.01	5.4	22.81	6.1	1181228	SLU 36	1205943	2742452	0.098						Si
51	18.37	5.4	22.81	6.1	1135675	SLU 30	1205943	2742514	0.098						Si
69	16.76	5.4	22.81	6.1	1074725	SLU 30	1167026	2742635	0.1						Si
77	15.95	5.4	22.81	6.1	1037617	SLU 30	1144896	2742698	0.1						Si
94	11.4	5.4	22.81	6.1	950132	SLU 30	1087368	2742848	0.106						Si
112	11.4	5.4	22.81	6.1	844957	SLU 30	1012150	2742848	0.106						Si
129	11.4	5.4	22.81	6.1	722164	SLU 29	919241	2742848	0.106						Si
146	11.4	5.4	22.81	6.1	583724	SLU 29	808642	2742848	0.106						Si
163	11.4	5.4	22.81	6.1	427595	SLU 29	681074	2742848	0.106						Si
180	11.4	5.4	22.81	6.1	253775	SLU 29	537211	2742848	0.106	144615	SLU 8	-108934	-1453554	0.088	Si
197	11.4	5.4	22.81	6.1	73587	SLU 20	375657	2742848	0.106	4924	SLU 17	-326620	-1453554	0.088	Si
206	11.4	5.4	22.81	6.1	-19756	SLU 2	288246	2742848	0.106	-71998	SLU 35	-441261	-1453554	0.088	Si
223	11.4	5.4	22.81	6.1	-163519	SLU 1	108790	2742848	0.106	-282522	SLU 36	-441261	-1453554	0.088	Si
235	11.4	5.4	22.81	6.1						-441261	SLU 36	-441261	-1453554	0.088	Si
240	11.4	5.4	22.81	6.1						-514666	SLU 36	-505692	-1453554	0.088	Si
257	11.4	5.4	22.81	6.1						-763322	SLU 36	-595443	-1453554	0.088	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	22.81	6.1	4264497	SLV 13	3926492	2742452	0.098	-2495931	SLV 3	-2165343	-2353823	0.097	No
17	19.01	5.4	22.81	6.1	3742685	SLV 13	3723559	2742452	0.098	-1996210	SLV 3	-1978158	-2353823	0.097	No
23	19.01	5.4	22.81	6.1	3577877	SLV 13	3577877	2742452	0.098	-1843782	SLV 3	-1843782	-2353823	0.097	No
34	19.01	5.4	22.81	6.1	3209364	SLV 13	3577877	2742452	0.098	-1508654	SLV 3	-1843782	-2353823	0.097	No
51	18.37	5.4	22.81	6.1	2664937	SLV 13	3577877	2742514	0.098	-1033663	SLV 3	-1843782	-2278959	0.096	No
69	16.76	5.4	22.81	6.1	2110818	SLV 15	3043265	2742635	0.1	-572653	SLV 1	-1362029	-2087423	0.094	No
77	15.95	5.4	22.81	6.1	1831778	SLV 15	2770748	2742698	0.1	-349045	SLV 1	-1124900	-1991550	0.093	No
94	11.4	5.4	22.81	6.1	1283086	SLV 15	2166308	2742848	0.106	71029	SLV 1	-608991	-1453554	0.088	Si
112	11.4	5.4	22.81	6.1	808174	SLV 11	1661739	2742848	0.106	393650	SLV 5	-371330	-1453554	0.088	Si
129	11.4	5.4	22.81	6.1	975661	SLV 3	1662767	2742848	0.106	50199	SLV 13	-989570	-1453554	0.088	Si
146	11.4	5.4	22.81	6.1	1385403	SLV 3	2053572	2742848	0.106	-559178	SLV 13	-1620099	-1453554	0.088	No
163	11.4	5.4	22.81	6.1	1784155	SLV 3	2432762	2742848	0.106	-1181240	SLV 13	-2262684	-1453554	0.088	No
180	11.4	5.4	22.81	6.1	2171419	SLV 3	2800240	2742848	0.106	-1815485	SLV 13	-2917230	-1453554	0.088	No
197	11.4	5.4	22.81	6.1	2547027	SLV 3	3155959	2742848	0.106	-2461747	SLV 13	-3583691	-1453554	0.088	No
206	11.4	5.4	22.81	6.1	2730435	SLV 3	3328000	2742848	0.106	-2789359	SLV 13	-3918611	-1453554	0.088	No
223	11.4	5.4	22.81	6.1	3088431	SLV 3	3328000	2742848	0.106	-3453518	SLV 13	-3918611	-1453554	0.088	No
235	11.4	5.4	22.81	6.1	3328000	SLV 3	3328000	2742848	0.106	-3918611	SLV 13	-3918611	-1453554	0.088	No
240	11.4	5.4	22.81	6.1	3434647	SLV 3	3422252	2742848	0.106	-4129569	SLV 13	-4104418	-1453554	0.088	No
257	11.4	5.4	22.81	6.1	3769064	SLV 3	3553543	2742848	0.106	-4817495	SLV 13	-4363245	-1453554	0.088	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	22.81	6.1	2380162	SLD 13	2228514	2742452	0.098	-611596	SLD 3	-467365	-2353823	0.097	Si
17	19.01	5.4	22.81	6.1	2143082	SLD 13	2134319	2742452	0.098	-396608	SLD 3	-388918	-2353823	0.097	Si
23	19.01	5.4	22.81	6.1	2066698	SLD 13	2066698	2742452	0.098	-332602	SLD 3	-332602	-2353823	0.097	Si
34	19.01	5.4	22.81	6.1	1894311	SLD 13	2066698	2742452	0.098	-193600	SLD 3	-332602	-2353823	0.097	Si
51	18.37	5.4	22.81	6.1	1634026	SLD 13	2066698	2742514	0.098	-2752	SLD 3	-332602	-2278959	0.096	Si
69	16.76	5.4	22.81	6.1	1362854	SLD 15	1815377	2742635	0.1	175311	SLD 1	-134141	-2087423	0.094	Si
77	15.95	5.4	22.81	6.1	1223917	SLD 15	1684914	2742698	0.1	258816	SLD 1	-39066	-1991550	0.093	Si
94	11.4	5.4	22.81	6.1	945248	SLD 15	1392749	2742848	0.106						Si
112	11.4	5.4	22.81	6.1	692629	SLD 11	1138182	2742848	0.106						Si
129	11.4	5.4	22.81	6.1	717704	SLD 3	923479	2742848	0.106	308157	SLD 13	-250281	-1453554	0.088	Si
146	11.4	5.4	22.81	6.1	843387	SLD 3	1029608	2742848	0.106	-17163	SLD 13	-596134	-1453554	0.088	Si
163	11.4	5.4	22.81	6.1	957608	SLD 3	1123998	2742848	0.106	-354693	SLD 13	-953920	-1453554	0.088	Si
180	11.4	5.4	22.81	6.1	1060147	SLD 3	1206606	2742848	0.106	-704212	SLD 13	-1323597	-1453554	0.088	Si
197	11.4	5.4	22.81	6.1	1150929	SLD 3	1277413	2742848	0.106	-1065648	SLD 13	-1705145	-1453554	0.088	No
206	11.4	5.4	22.81	6.1	1191900	SLD 3	1308149	2742848	0.106	-1250824	SLD 13	-1898760	-1453554	0.088	No
223	11.4	5.4	22.81	6.1	1264991	SLD 3	1308149	2742848	0.106	-1630078	SLD 13	-1898760	-1453554	0.088	No
235	11.4	5.4	22.81	6.1	1308149	SLD 3	1308149	2742848	0.106	-1898760	SLD 13	-1898760	-1453554	0.088	No
240	11.4	5.4	22.81	6.1	1326270	SLD 3	1324340	2742848	0.106	-2021192	SLD 13	-2006506	-1453554	0.088	No

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
257	11.4	5.4	22.81	6.1	1375729	SLD 3	1346893	2742848	0.106	-2424160	SLD 13	-2156595	-1453554	0.088	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	465	SLU 11	465	13691	76115	0	13691	1	Si
0	0	22.81	0	-1453	SLU 26	-1453	-13691	-76115	0	-13691	1	Si
17	0	22.81	0	-2170	SLU 26	-2170	-13691	-76115	0	-13691	1	Si
23	0.359	22.81	0	-2392	SLU 26	-2392	-13691	-76115	-41252	-41252	1	Si
34	0.359	22.81	0	-2907	SLU 35	-2907	-13691	-76115	-41252	-41252	1	Si
51	0.359	22.81	0	-3708	SLU 35	-3708	-13691	-76115	-41252	-41252	1	Si
69	0.359	22.81	0	-4510	SLU 35	-4510	-13691	-76115	-41252	-41252	1	Si
77	0.359	22.81	0	-4911	SLU 35	-4911	-13691	-76115	-41252	-41252	1	Si
94	0.388	22.81	0	-5828	SLU 36	-5828	-13691	-76115	-44609	-44609	1	Si
112	0.388	22.81	0	-6790	SLU 36	-6790	-13691	-76115	-44609	-44609	1	Si
129	0.388	22.81	0	-7752	SLU 36	-7752	-13691	-76115	-44609	-44609	1	Si
146	0.388	22.81	0	-8713	SLU 36	-8713	-13691	-76115	-44609	-44609	1	Si
163	0.388	22.81	0	-9733	SLU 30	-9733	-13691	-76115	-44609	-44609	1	Si
180	0.431	22.81	0	-10764	SLU 30	-10764	-13691	-76115	-49502	-49502	1	Si
197	0.431	22.81	0	-11795	SLU 30	-11795	-13691	-76115	-49502	-49502	1	Si
206	0.431	11.4	0	-12310	SLU 30	-12310	-10922	-76908	-50018	-50018	1	Si
223	0.431	11.4	0	-13340	SLU 30	-13340	-10922	-76908	-50018	-50018	1	Si
235	0.431	11.4	0	-14051	SLU 30	-14051	-10922	-76908	-50018	-50018	1	Si
240	0	11.4	0	-14371	SLU 30	-14371	-10922	-76908	0	-10922	1	Si
257	0	11.4	0	-15401	SLU 30	-15401	-10922	-76908	0	-10922	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.76	0	29487	SLV 3	37231	12416	76908	0	12416	1	Si
0	0	22.81	0	-30084	SLV 13	-37829	-13691	-76115	0	-13691	1	Si
17	0	15.14	0	28797	SLV 3	36542	12003	76908	0	12003	1	Si
17	0	22.81	0	-30774	SLV 13	-38518	-13691	-76115	0	-13691	1	Si
23	0.359	15.14	0	28583	SLV 3	36327	12003	76908	41682	41682	1	Si
23	0.359	22.81	0	-30988	SLV 13	-38732	-13691	-76115	-41252	-41252	1	Si
34	0.359	11.4	0	28108	SLV 3	35852	10922	76908	41682	41682	1	Si
34	0.359	22.81	0	-31463	SLV 13	-39208	-13691	-76115	-41252	-41252	1	Si
51	0.359	11.4	0	27418	SLV 3	35163	10922	76908	41682	41682	1	Si
51	0.359	22.81	0	-32153	SLV 13	-39897	-13691	-76115	-41252	-41252	1	Si
69	0.359	11.4	0	26729	SLV 3	34473	10922	76908	41682	41682	1	Si
69	0.359	22.81	0	-32842	SLV 13	-40587	-13691	-76115	-41252	-41252	1	Si
77	0.359	11.4	0	26384	SLV 3	34128	10922	76908	41682	41682	1	Si
77	0.359	22.81	0	-33187	SLV 13	-40931	-13691	-76115	-41252	-41252	1	Si
94	0.388	22.81	0	25695	SLV 3	33439	13691	76115	44609	44609	1	Si
94	0.388	22.81	0	-33877	SLV 13	-41621	-13691	-76115	-44609	-44609	1	Si
112	0.388	22.81	0	25005	SLV 3	32749	13691	76115	44609	44609	1	Si
112	0.388	22.81	0	-34566	SLV 13	-42310	-13691	-76115	-44609	-44609	1	Si
129	0.388	22.81	0	24316	SLV 3	32060	13691	76115	44609	44609	1	Si
129	0.388	22.81	0	-35256	SLV 13	-43000	-13691	-76115	-44609	-44609	1	Si
146	0.388	22.81	0	23626	SLV 3	31370	13691	76115	44609	44609	1	Si
146	0.388	11.4	0	-35945	SLV 13	-43689	-10922	-76908	-45074	-45074	1	Si
163	0.388	22.81	0	22937	SLV 3	30681	13691	76115	44609	44609	1	Si
163	0.388	11.4	0	-36635	SLV 13	-44379	-10922	-76908	-45074	-45074	1	Si
180	0.431	22.81	0	22247	SLV 3	29992	13691	76115	49502	49502	1	Si
180	0.431	11.4	0	-37324	SLV 13	-45068	-10922	-76908	-50018	-50018	1	Si
197	0.431	22.81	0	21558	SLV 3	29302	13691	76115	49502	49502	1	Si
197	0.431	11.4	0	-38013	SLV 13	-45758	-10922	-76908	-50018	-50018	1	Si
206	0.431	22.81	0	21213	SLV 3	28957	13691	76115	49502	49502	1	Si
206	0.431	11.4	0	-38358	SLV 13	-46103	-10922	-76908	-50018	-50018	1	Si
223	0.431	22.81	0	20524	SLV 3	28268	13691	76115	49502	49502	1	Si
223	0.431	11.4	0	-39048	SLV 13	-46792	-10922	-76908	-50018	-50018	1	Si
235	0.431	22.81	0	20048	SLV 3	27792	13691	76115	49502	49502	1	Si
235	0.431	11.4	0	-39523	SLV 13	-47267	-10922	-76908	-50018	-50018	1	Si
240	0	22.81	0	19834	SLV 3	27578	13691	76115	0	13691	1	Si
240	0	11.4	0	-39737	SLV 13	-47481	-10922	-76908	0	-10922	1	Si
257	0	22.81	0	19145	SLV 3	26889	13691	76115	0	13691	1	Si
257	0	11.4	0	-40427	SLV 13	-48171	-10922	-76908	0	-10922	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.76	0	12883	SLD 3	12883	12416	76908	0	12416	1	Si
0	0	22.81	0	-13480	SLD 13	-13480	-13691	-76115	0	-13691	1	Si
17	0	15.14	0	12193	SLD 3	12193	12003	76908	0	12003	1	Si
17	0	22.81	0	-14169	SLD 13	-14169	-13691	-76115	0	-13691	1	Si
23	0.359	15.14	0	11979	SLD 3	11979	12003	76908	41682	41682	1	Si
23	0.359	22.81	0	-14384	SLD 13	-14384	-13691	-76115	-41252	-41252	1	Si
34	0.359	11.4	0	11504	SLD 3	11504	10922	76908	41682	41682	1	Si
34	0.359	22.81	0	-14859	SLD 13	-14859	-13691	-76115	-41252	-41252	1	Si
51	0.359	11.4	0	10814	SLD 3	10814	10922	76908	41682	41682	1	Si
51	0.359	22.81	0	-15548	SLD 13	-15548	-13691	-76115	-41252	-41252	1	Si
69	0.359	22.81	0	10125	SLD 3	10125	13691	76115	41252	41252	1	Si
69	0.359	22.81	0	-16238	SLD 13	-16238	-13691	-76115	-41252	-41252	1	Si
77	0.359	22.81	0	9780	SLD 3	9780	13691	76115	41252	41252	1	Si
77	0.359	22.81	0	-16583	SLD 13	-16583	-13691	-76115	-41252	-41252	1	Si
94	0.388	22.81	0	9090	SLD 3	9090	13691	76115	44609	44609	1	Si
94	0.388	22.81	0	-17272	SLD 13	-17272	-13691	-76115	-44609	-44609	1	Si
112	0.388	22.81	0	8401	SLD 3	8401	13691	76115	44609	44609	1	Si
112	0.388	22.81	0	-17962	SLD 13	-17962	-13691	-76115	-44609	-44609	1	Si
129	0.388	22.81	0	7711	SLD 3	7711	13691	76115	44609	44609	1	Si
129	0.388	22.81	0	-18651	SLD 13	-18651	-13691	-76115	-44609	-44609	1	Si
146	0.388	22.81	0	7022	SLD 3	7022	13691	76115	44609	44609	1	Si
146	0.388	11.4	0	-19341	SLD 13	-19341	-10922	-76908	-45074	-45074	1	Si
163	0.388	22.81	0	6332	SLD 3	6332	13691	76115	44609	44609	1	Si
163	0.388	11.4	0	-20030	SLD 13	-20030	-10922	-76908	-45074	-45074	1	Si
180	0.431	22.81	0	5643	SLD 3	5643	13691	76115	49502	49502	1	Si
180	0.431	11.4	0	-20720	SLD 13	-20720	-10922	-76908	-50018	-50018	1	Si
197	0.431	22.81	0	4953	SLD 3	4953	13691	76115	49502	49502	1	Si
197	0.431	11.4	0	-21409	SLD 13	-21409	-10922	-76908	-50018	-50018	1	Si
206	0.431	22.81	0	4609	SLD 3	4609	13691	76115	49502	49502	1	Si
206	0.431	11.4	0	-21754	SLD 13	-21754	-10922	-76908	-50018	-50018	1	Si
223	0.431	22.81	0	3919	SLD 3	3919	13691	76115	49502	49502	1	Si
223	0.431	11.4	0	-22443	SLD 13	-22443	-10922	-76908	-50018	-50018	1	Si
235	0.431	22.81	0	3444	SLD 3	3444	13691	76115	49502	49502	1	Si
235	0.431	11.4	0	-22919	SLD 13	-22919	-10922	-76908	-50018	-50018	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
240	0	22.81	0	3230	SLD 3	3230	13691	76115	0	13691	1	Si
240	0	11.4	0	-23133	SLD 13	-23133	-10922	-76908	0	-10922	1	Si
257	0	22.81	0	2540	SLD 3	2540	13691	76115	0	13691	1	Si
257	0	11.4	0	-23822	SLD 13	-23822	-10922	-76908	0	-10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	925599	9	919787	23.2	124.5	713.1	1837	884283	2	880575	22.2	93.4	0	+∞	Si
17	911225	9	910562	23	124.5	706	1837	873237	2	872700	22	93.4	0	+∞	Si
23	903940	9	903940	22.8	124.5	700.8	1837	867048	2	867048	21.9	93.4	0	+∞	Si
34	884753	9	903940	22.8	124.5	700.8	1837	850355	2	867048	21.9	93.4	0	+∞	Si
51	849484	3	903940	23	124.5	701.3	1837	815637	2	867048	22.1	93.4	0	+∞	Si
69	802861	3	873866	22.7	124.5	679.1	1837	769082	2	840618	21.8	93.4	0	+∞	Si
77	774719	3	856632	22.4	124.5	666.4	1837	741367	2	822924	21.5	93.4	0	+∞	Si
94	708771	3	812501	22.5	124.5	635.7	1837	677057	2	778658	21.6	93.4	0	+∞	Si
112	629941	3	755487	20.9	124.5	591.1	1837	600912	2	722556	20	93.4	0	+∞	Si
129	538276	2	685589	19	124.5	536.4	1837	512930	2	654618	18.1	93.4	0	+∞	Si
146	435090	2	602809	16.7	124.5	471.6	1837	413112	2	574844	15.9	93.4	0	+∞	Si
163	319021	2	507626	14.1	124.5	397.1	1837	301458	2	483233	13.4	93.4	0	+∞	Si
180	190068	2	400490	11.1	124.5	313.3	1837	177967	2	379786	10.5	93.4	0	+∞	Si
197	48233	2	280471	7.8	124.5	219.4	1837	42640	2	264503	7.3	93.4	0	+∞	Si
206	-48765	8	-322291	9.9	124.5	477.2	1837	-32381	1	-295305	9.1	93.4	0	+∞	Si
223	-204910	9	-322291	9.9	124.5	477.2	1837	-182543	2	-295305	9.1	93.4	0	+∞	Si
235	-322291	9	-322291	9.9	124.5	477.2	1837	-295305	2	-295305	9.1	93.4	0	+∞	Si
240	-376559	9	-369926	11.3	124.5	547.7	1837	-347461	2	-341083	10.5	93.4	0	+∞	Si
257	-560305	9	-436280	13.4	124.5	645.9	1837	-524215	2	-404851	12.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.006	2	9999	Si
23	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.008	2	0.008	2	9999	Si
34	0.007	0.006	0.005	0.005	0.007	0.006	0.005	0.005	0.007	0.006	0.012	2	0.011	2	9999	Si
51	0.009	0.008	0.007	0.007	0.009	0.008	0.007	0.007	0.009	0.008	0.016	2	0.015	2	9999	Si
69	0.011	0.01	0.009	0.008	0.01	0.01	0.008	0.008	0.01	0.01	0.019	2	0.018	2	9999	Si
77	0.011	0.01	0.009	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.02	2	0.019	2	9999	Si
94	0.012	0.011	0.009	0.009	0.012	0.011	0.009	0.009	0.011	0.011	0.021	2	0.02	2	9999	Si
103	0.012	0.011	0.01	0.009	0.012	0.011	0.009	0.009	0.012	0.011	0.021	2	0.02	2	9999	Si
112	0.012	0.011	0.009	0.008	0.012	0.011	0.009	0.008	0.011	0.011	0.021	2	0.02	2	9999	Si
129	0.012	0.01	0.009	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.02	2	0.019	2	9999	Si
146	0.011	0.009	0.008	0.007	0.01	0.009	0.008	0.007	0.01	0.009	0.018	2	0.017	2	9999	Si
163	0.009	0.008	0.007	0.006	0.009	0.008	0.007	0.006	0.009	0.008	0.016	2	0.015	2	9999	Si
180	0.008	0.007	0.006	0.005	0.007	0.007	0.006	0.005	0.007	0.007	0.013	2	0.012	2	9999	Si
197	0.006	0.005	0.005	0.004	0.006	0.005	0.004	0.004	0.006	0.005	0.01	2	0.009	2	9999	Si
206	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.008	2	0.008	2	9999	Si
223	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
235	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
240	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-1202	-37530	-41252	SLV 13	0.39	834	1.067	867048	2710829	2742452	SLV 13	0.26	305	0.706	No
34	-1678	-37530	-41252	SLV 13	0.38	810	1.054	867048	2710829	2742452	SLV 13	0.26	305	0.706	No
51	-2367	-37530	-41252	SLV 13	0.38	776	1.036	867048	2710829	2742514	SLV 13	0.26	305	0.706	No
69	-3057	-37530	-41252	SLV 13	0.37	743	1.018	840618	2202647	2742635	SLV 13	0.32	499	0.864	No
77	-3401	-37530	-41252	SLV 13	0.37	726	1.008	822924	1947824	2742698	SLV 13	0.36	687	0.985	No
94	-4091	-37530	-44609	SLV 13	0.39	858	1.079	778658	1387650	2742848	SLV 15	0.51	1741	1.443	Si
112	-4780	-37530	-44609	SLV 13	0.39	822	1.061	722556	939183	2742848	SLV 15	0.57	2474	1.666	Si
129	-5470	-37530	-44609	SLV 13	0.38	788	1.042	336599	-1326168	-1453554	SLV 13	0.48	1533	1.369	Si
146	-6159	-37530	-45074	SLV 13	0.38	777	1.036	216737	-1836836	-1453554	SLV 13	0.33	565	0.91	No
163	-6849	-37530	-45074	SLV 13	0.37	744	1.018	85039	-2347723	-1453554	SLV 13	0.24	272	0.674	No
180	-7538	-37530	-50018	SLV 13	0.41	963	1.132	-58495	-2858735	-1453554	SLV 13	0.18	145	0.521	No
197	-8228	-37530	-50018	SLV 13	0.4	925	1.113	-213866	-3369825	-1453554	SLV 13	0.14	82	0.412	No
206	-8573	-37530	-50018	SLV 13	0.4	906	1.104	-295305	-3623306	-1453554	SLV 13	0.12	63	0.37	No
223	-9262	-37530	-50018	SLV 13	0.39	870	1.086	-295305	-3623306	-1453554	SLV 13	0.12	63	0.37	No
235	-9737	-37530	-50018	SLV 13	0.39	845	1.073	-295305	-3623306	-1453554	SLV 13	0.12	63	0.37	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-1202	-13181	-41252	SLD 13	0.41	949	2.831	867048	1199650	2742452	SLD 13	0.22	208	1.519	Si
34	-1678	-13181	-41252	SLD 13	0.4	922	2.797	867048	1199650	2742452	SLD 13	0.22	208	1.519	Si
51	-2367	-13181	-41252	SLD 13	0.4	883	2.748	867048	1199650	2742514	SLD 13	0.22	208	1.519	Si
69	-3057	-13181	-41252	SLD 13	0.39	845	2.699	840618	974759	2742635	SLD 13	0.27	337	1.852	Si
77	-3401	-13181	-41252	SLD 13	0.39	826	2.674	822924	861990	2742698	SLD 13	0.3	450	2.085	Si
94	-4091	-13181	-44609	SLD 13	0.41	977	2.865	778658	614090	2742848	SLD 15	0.43	1087	2.993	Si
112	-4780	-13181	-44609	SLD 13	0.41	935	2.814	722556	415625	2742848	SLD 15	0.6	2474	4.193	Si
129	-5470	-13181	-44609	SLD 13	0.4	897	2.766	336599	-586880	-1453554	SLD 13	0.41	958	2.842	Si
146	-6159	-13181	-45074	SLD 13	0.4	884	2.75	216737	-812871	-1453554	SLD 13	0.28	378	1.941	Si
163	-6849	-13181	-45074	SLD 13	0.39	847	2.702	85039	-1038959	-1453554	SLD 13	0.21	185	1.448	Si
180	-7538	-13181	-50018	SLD 13	0.43	1110	3.019	-58495	-1265102	-1453554	SLD 13	0.15	100	1.125	Si
197	-8228	-13181	-50018	SLD 13	0.42	1062	2.964	-213866	-1491279	-1453554	SLD 13	0.12	58	0.9	No
206	-8573	-13181	-50018	SLD 13	0.42	1037	2.936	-295305	-1603455	-1453554	SLD 13	0.1	44	0.804	No
223	-9262	-13181	-50018	SLD 13	0.41	992	2.883	-295305	-1603455	-1453554	SLD 13	0.1	44	0.804	No
235	-9737	-13181	-50018	SLD 13	0.41	962	2.847	-295305	-1603455	-1453554	SLD 13	0.1	44	0.804	No

Campata 4 tra i fili 71A - 71B, sezione R 45x70, asta 785

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	22.81	6.1	312485	SLU 19	279647	2742848	0.106						Si
14	11.4	5.4	22.81	6.1	267744	SLU 19	262910	2742848	0.106						Si
23	11.4	5.4	22.81	6.1	236416	SLU 19	236416	2742848	0.106						Si
28	11.4	5.4	22.81	6.1	214822	SLU 19	236416	2742848	0.106						Si
42	11.4	5.4	22.28	6	153721	SLU 19	236416	2684515	0.105	73985	SLU 18	-47355	-1449190	0.087	Si
56	11.4	5.4	21.34	5.8	84440	SLU 19	219023	2580632	0.103	20654	SLU 18	-134587	-1441401	0.086	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
63	11.4	5.4	20.86	5.8	46731	SLU 19	189808	2528644	0.101	-9518	SLU 18	-184818	-1437510	0.086	Si
77	11.4	5.4	19.01	5.4	-31790	SLU 1	125241	2323557	0.097	-79906	SLU 36	-293519	-1422107	0.084	Si
91	11.4	5.4	19.01	5.4	-101352	SLU 1	52495	2323557	0.097	-176785	SLU 36	-413202	-1422107	0.084	Si
105	11.4	5.4	19.01	5.4						-284646	SLU 36	-546639	-1422107	0.084	Si
119	11.4	5.4	19.01	5.4						-403490	SLU 36	-693153	-1422107	0.084	Si
133	11.4	5.4	19.01	5.4						-535735	SLU 30	-851432	-1422107	0.084	Si
147	15.19	5.4	19.01	5.4						-681349	SLU 30	-1021477	-1870605	0.088	Si
161	16.51	5.4	19.01	5.4						-838729	SLU 30	-1169088	-2026968	0.089	Si
168	17.17	5.4	19.01	5.4						-921831	SLU 30	-1169088	-2105128	0.09	Si
182	18.49	5.4	19.01	5.4						-1096860	SLU 30	-1169088	-2261413	0.092	Si
187	19.01	5.4	19.01	5.4						-1169088	SLU 30	-1169088	-2322809	0.092	Si
196	19.01	5.4	19.01	5.4						-1283655	SLU 30	-1260457	-2322809	0.092	Si
210	19.01	5.4	19.01	5.4						-1482215	SLU 30	-1318178	-2322809	0.092	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	22.81	6.1	2006796	SLV 15	1762865	2742848	0.106	-1568769	SLV 1	-1366358	-1453554	0.088	Si
14	11.4	5.4	22.81	6.1	1696885	SLV 15	1662987	2742848	0.106	-1317988	SLV 1	-1290299	-1453554	0.088	Si
23	11.4	5.4	22.81	6.1	1504889	SLV 15	1504889	2742848	0.106	-1169905	SLV 1	-1169905	-1453554	0.088	Si
28	11.4	5.4	22.81	6.1	1379451	SLV 15	1504889	2742848	0.106	-1075428	SLV 1	-1169905	-1453554	0.088	Si
42	11.4	5.4	22.28	6	1101087	SLV 11	1504889	2684515	0.105	-887683	SLV 5	-1169905	-1449190	0.087	Si
56	11.4	5.4	21.34	5.8	935027	SLV 11	1403854	2580632	0.103	-827986	SLV 5	-1093808	-1441401	0.086	Si
63	11.4	5.4	20.86	5.8	849717	SLV 11	1242649	2528644	0.101	-801762	SLV 5	-975342	-1437510	0.086	Si
77	11.4	5.4	19.01	5.4	681692	SLV 11	1031438	2323557	0.097	-763718	SLV 5	-1001376	-1422107	0.084	Si
91	11.4	5.4	19.01	5.4	630632	SLV 7	862757	2323557	0.097	-858383	SLV 9	-1273003	-1422107	0.084	Si
105	11.4	5.4	19.01	5.4	601447	SLV 7	857220	2323557	0.097	-990668	SLV 9	-1632264	-1422107	0.084	No
119	11.4	5.4	19.01	5.4	679330	SLV 3	1015287	2323557	0.097	-1245764	SLV 13	-2000238	-1422107	0.084	No
133	11.4	5.4	19.01	5.4	844962	SLV 3	1166274	2323557	0.097	-1604356	SLV 13	-2376875	-1422107	0.084	No
147	15.19	5.4	19.01	5.4	1003571	SLV 3	1310205	2323178	0.094	-1971668	SLV 13	-2762202	-1870605	0.088	No
161	16.51	5.4	19.01	5.4	1155098	SLV 3	1422486	2323004	0.093	-2347643	SLV 13	-3083317	-2026968	0.089	No
168	17.17	5.4	19.01	5.4	1228211	SLV 3	1422486	2323023	0.093	-2538884	SLV 13	-3083317	-2105128	0.09	No
182	18.49	5.4	19.01	5.4	1369168	SLV 3	1422486	2322901	0.092	-2927906	SLV 13	-3083317	-2261413	0.092	No
187	19.01	5.4	19.01	5.4	1422486	SLV 3	1422486	2322809	0.092	-3083317	SLV 13	-3083317	-2322809	0.092	No
196	19.01	5.4	19.01	5.4	1503149	SLV 3	1484864	2322809	0.092	-3325696	SLV 13	-3274780	-2322809	0.092	No
210	19.01	5.4	19.01	5.4	1630216	SLV 3	1524272	2322809	0.092	-3732317	SLV 13	-3395737	-2322809	0.092	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	22.81	6.1	1010145	SLD 15	890624	2742848	0.106	-572117	SLD 1	-494117	-1453554	0.088	Si
14	11.4	5.4	22.81	6.1	856518	SLD 15	839786	2742848	0.106	-477621	SLD 1	-467098	-1453554	0.088	Si
23	11.4	5.4	22.81	6.1	759314	SLD 15	759314	2742848	0.106	-424329	SLD 1	-424329	-1453554	0.088	Si
28	11.4	5.4	22.81	6.1	695173	SLD 15	759314	2742848	0.106	-391150	SLD 1	-424329	-1453554	0.088	Si
42	11.4	5.4	22.28	6	546748	SLD 11	759314	2684515	0.105	-333344	SLD 5	-424329	-1449190	0.087	Si
56	11.4	5.4	21.34	5.8	443612	SLD 11	707651	2580632	0.103	-336572	SLD 5	-403016	-1441401	0.086	Si
63	11.4	5.4	20.86	5.8	389389	SLD 11	624399	2528644	0.101	-341435	SLD 5	-451082	-1437510	0.086	Si
77	11.4	5.4	19.01	5.4	278790	SLD 11	503832	2323557	0.097	-360816	SLD 5	-555325	-1422107	0.084	Si
91	11.4	5.4	19.01	5.4	215594	SLD 7	397678	2323557	0.097	-443346	SLD 9	-725262	-1422107	0.084	Si
105	11.4	5.4	19.01	5.4	157674	SLD 7	287180	2323557	0.097	-546895	SLD 9	-938367	-1422107	0.084	Si
119	11.4	5.4	19.01	5.4	142747	SLD 3	219756	2323557	0.097	-709182	SLD 13	-1159715	-1422107	0.084	Si
133	11.4	5.4	19.01	5.4	162261	SLD 3	178771	2323557	0.097	-921654	SLD 13	-1389285	-1422107	0.084	Si
147	15.19	5.4	19.01	5.4	174277	SLD 3	178771	2323178	0.094	-1142374	SLD 13	-1627089	-1870605	0.088	Si
161	16.51	5.4	19.01	5.4	178771	SLD 3	178771	2323004	0.093	-1371316	SLD 13	-1827401	-2026968	0.089	Si
168	17.17	5.4	19.01	5.4	178199	SLD 3	178771	2323023	0.093	-1488872	SLD 13	-1827401	-2105128	0.09	Si
182	18.49	5.4	19.01	5.4	171432	SLD 3	178771	2322901	0.092	-1730170	SLD 13	-1827401	-2261413	0.092	Si
187	19.01	5.4	19.01	5.4	166570	SLD 3	178771	2322809	0.092	-1827401	SLD 13	-1827401	-2322809	0.092	Si
196	19.01	5.4	19.01	5.4	157189	SLD 3	157189	2322809	0.092	-1979737	SLD 13	-1948109	-2322809	0.092	Si
210	19.01	5.4	19.01	5.4	135498	SLD 3	135498	2322809	0.092	-2237599	SLD 13	-2024367	-2322809	0.092	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	20.86	0	-2930	SLU 24	-2930	-13291	-76115	0	-13291	1	Si
14	0	19.01	0	-3514	SLU 24	-3514	-12884	-76115	0	-12884	1	Si
23	0.305	19.01	0	-3869	SLU 24	-3869	-12884	-76115	-35001	-35001	1	Si
28	0.305	19.01	0	-4098	SLU 24	-4098	-12884	-76115	-35001	-35001	1	Si
42	0.305	19.01	0	-4683	SLU 24	-4683	-12892	-76209	-35045	-35045	1	Si
56	0.305	19.01	0	-5360	SLU 29	-5360	-12906	-76388	-35127	-35127	1	Si
63	0.305	19.01	0	-5780	SLU 29	-5780	-12914	-76484	-35171	-35171	1	Si
77	0.305	11.4	0	-6620	SLU 29	-6620	-10922	-76908	-35366	-35366	1	Si
91	0.305	11.4	0	-7461	SLU 29	-7461	-10922	-76908	-35366	-35366	1	Si
105	0.305	11.4	0	-8301	SLU 29	-8301	-10922	-76908	-35366	-35366	1	Si
119	0.305	11.4	0	-9141	SLU 29	-9141	-10922	-76908	-35366	-35366	1	Si
133	0.305	11.4	0	-9982	SLU 29	-9982	-10922	-76908	-35366	-35366	1	Si
147	0.305	11.4	0	-10822	SLU 29	-10822	-10922	-76908	-35366	-35366	1	Si
161	0.305	11.4	0	-11663	SLU 29	-11663	-10922	-76908	-35366	-35366	1	Si
168	0.305	11.4	0	-12083	SLU 29	-12083	-10922	-76908	-35366	-35366	1	Si
182	0.305	11.4	0	-12923	SLU 29	-12923	-10922	-76908	-35366	-35366	1	Si
187	0.305	11.4	0	-13253	SLU 29	-13253	-10922	-76908	-35366	-35366	1	Si
196	0	11.4	0	-13764	SLU 29	-13764	-10922	-76908	0	-10922	1	Si
210	0	15.19	0	-14604	SLU 29	-14604	-12017	-76908	0	-12017	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	18366	SLV 1	23617	10922	76908	0	10922	1	Si
0	0	20.86	0	-22027	SLV 15	-27279	-13291	-76115	0	-13291	1	Si
14	0	11.4	0	17804	SLV 1	23055	10922	76908	0	10922	1	Si
14	0	19.01	0	-22590	SLV 15	-27841	-12884	-76115	0	-12884	1	Si
23	0.305	11.4	0	17463	SLV 1	22714	10922	76908	35366	35366	1	Si
23	0.305	19.01	0	-22931	SLV 15	-28182	-12884	-76115	-35001	-35001	1	Si
28	0.305	11.4	0	17242	SLV 1	22493	10922	76908	35366	35366	1	Si
28	0.305	19.01	0	-23152	SLV 15	-28403	-12884	-76115	-35001	-35001	1	Si
42	0.305	11.4	0	16679	SLV 1	21930	10922	76908	35366	35366	1	Si
42	0.305	19.01	0	-23714	SLV 15	-28966	-12892	-76209	-35045	-35045	1	Si
56	0.305	11.4	0	16117	SLV 1	21368	10922	76908	35366	35366	1	Si
56	0.305	19.01	0	-24277	SLV 15	-29528	-12906	-76388	-35127	-35127	1	Si
63	0.305	11.4	0	15836	SLV 1	21087	10922	76908	35366	35366	1	Si
63	0.305	19.01	0	-24558	SLV 15	-29809	-12914	-76484	-35171	-35171	1	Si
77	0.305	11.4	0	15274	SLV 1	20525	10922	76908	35366	35366	1	Si
77	0.305	19.01	0	-25120	SLV 15	-30371	-12949	-76908	-35366	-35366	1	Si
91	0.305	11.4	0	14711	SLV 1	19962	10922	76908	35366	35366	1	Si
91	0.305	11.4	0	-25682	SLV 15	-30934	-10922	-76908	-35366	-35366	1	Si
105	0.305	19.01	0	14149	SLV 1	19400	12949	76908	35366	35366	1	Si
105	0.305	11.4	0	-26245	SLV 15	-31496	-10922	-76908	-35366	-35366	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
119	0.305	19.01	0	13587	SLV 1	18838	12949	76908	35366	35366	1	Si
119	0.305	11.4	0	-26807	SLV 15	-32058	-10922	-76908	-35366	-35366	1	Si
133	0.305	19.01	0	13024	SLV 1	18275	12949	76908	35366	35366	1	Si
133	0.305	11.4	0	-27369	SLV 15	-32621	-10922	-76908	-35366	-35366	1	Si
147	0.305	19.01	0	12462	SLV 1	17713	12949	76908	35366	35366	1	Si
147	0.305	11.4	0	-27932	SLV 15	-33183	-10922	-76908	-35366	-35366	1	Si
161	0.305	19.01	0	11900	SLV 1	17151	12949	76908	35366	35366	1	Si
161	0.305	11.4	0	-28494	SLV 15	-33745	-10922	-76908	-35366	-35366	1	Si
168	0.305	19.01	0	11619	SLV 1	16870	12949	76908	35366	35366	1	Si
168	0.305	11.4	0	-28775	SLV 15	-34026	-10922	-76908	-35366	-35366	1	Si
182	0.305	19.01	0	11056	SLV 1	16307	12949	76908	35366	35366	1	Si
182	0.305	11.4	0	-29337	SLV 15	-34589	-10922	-76908	-35366	-35366	1	Si
187	0.305	19.01	0	10835	SLV 1	16087	12949	76908	35366	35366	1	Si
187	0.305	11.4	0	-29558	SLV 15	-34810	-10922	-76908	-35366	-35366	1	Si
196	0	19.01	0	10494	SLV 1	15745	12949	76908	0	12949	1	Si
196	0	11.4	0	-29900	SLV 15	-35151	-10922	-76908	0	-10922	1	Si
210	0	19.01	0	9932	SLV 1	15183	12949	76908	0	12949	1	Si
210	0	15.19	0	-30462	SLV 15	-35713	-12017	-76908	0	-12017	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	7107	SLD 1	7107	10922	76908	0	10922	1	Si
0	0	20.86	0	-10768	SLD 15	-10768	-13291	-76115	0	-13291	1	Si
14	0	11.4	0	6545	SLD 1	6545	10922	76908	0	10922	1	Si
14	0	19.01	0	-11331	SLD 15	-11331	-12884	-76115	0	-12884	1	Si
23	0.305	11.4	0	6203	SLD 1	6203	10922	76908	35366	35366	1	Si
23	0.305	19.01	0	-11672	SLD 15	-11672	-12884	-76115	-35001	-35001	1	Si
28	0.305	11.4	0	5982	SLD 1	5982	10922	76908	35366	35366	1	Si
28	0.305	19.01	0	-11893	SLD 15	-11893	-12884	-76115	-35001	-35001	1	Si
42	0.305	11.4	0	5420	SLD 1	5420	10922	76908	35366	35366	1	Si
42	0.305	19.01	0	-12455	SLD 15	-12455	-12892	-76209	-35045	-35045	1	Si
56	0.305	11.4	0	4858	SLD 1	4858	10922	76908	35366	35366	1	Si
56	0.305	19.01	0	-13018	SLD 15	-13018	-12906	-76388	-35127	-35127	1	Si
63	0.305	11.4	0	4577	SLD 1	4577	10922	76908	35366	35366	1	Si
63	0.305	19.01	0	-13299	SLD 15	-13299	-12914	-76484	-35171	-35171	1	Si
77	0.305	11.4	0	4014	SLD 1	4014	10922	76908	35366	35366	1	Si
77	0.305	19.01	0	-13861	SLD 15	-13861	-12949	-76908	-35366	-35366	1	Si
91	0.305	11.4	0	3452	SLD 1	3452	10922	76908	35366	35366	1	Si
91	0.305	11.4	0	-14423	SLD 15	-14423	-10922	-76908	-35366	-35366	1	Si
105	0.305	11.4	0	2890	SLD 1	2890	10922	76908	35366	35366	1	Si
105	0.305	11.4	0	-14986	SLD 15	-14986	-10922	-76908	-35366	-35366	1	Si
119	0.305	11.4	0	2327	SLD 1	2327	10922	76908	35366	35366	1	Si
119	0.305	11.4	0	-15548	SLD 15	-15548	-10922	-76908	-35366	-35366	1	Si
133	0.305	19.01	0	1765	SLD 1	1765	12949	76908	35366	35366	1	Si
133	0.305	11.4	0	-16110	SLD 15	-16110	-10922	-76908	-35366	-35366	1	Si
147	0.305	19.01	0	1203	SLD 1	1203	12949	76908	35366	35366	1	Si
147	0.305	11.4	0	-16673	SLD 15	-16673	-10922	-76908	-35366	-35366	1	Si
161	0.305	19.01	0	641	SLD 1	641	12949	76908	35366	35366	1	Si
161	0.305	11.4	0	-17235	SLD 15	-17235	-10922	-76908	-35366	-35366	1	Si
168	0.305	19.01	0	359	SLD 1	359	12949	76908	35366	35366	1	Si
168	0.305	11.4	0	-17516	SLD 15	-17516	-10922	-76908	-35366	-35366	1	Si
182	0.305	11.4	0	-18078	SLD 15	-18078	-10922	-76908	-35366	-35366	1	Si
187	0.305	11.4	0	-18299	SLD 15	-18299	-10922	-76908	-35366	-35366	1	Si
196	0	11.4	0	-18641	SLD 15	-18641	-10922	-76908	0	-10922	1	Si
210	0	15.19	0	-19203	SLD 15	-19203	-12017	-76908	0	-12017	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	226541	1	202950	5.6	124.5	158.8	1837	226541	1	202950	5.6	93.4	0	+∞	Si
14	193948	1	190458	5.3	124.5	149	1837	193948	1	190458	5.3	93.4	0	+∞	Si
23	170685	1	170685	4.7	124.5	133.5	1837	170685	1	170685	4.7	93.4	0	+∞	Si
28	154528	1	170685	4.7	124.5	133.5	1837	154528	1	170685	4.7	93.4	0	+∞	Si
42	108280	1	170685	4.8	124.5	136.1	1837	108280	1	170685	4.8	93.4	0	+∞	Si
56	55204	1	157671	4.4	124.5	130.3	1837	55204	1	157671	4.4	93.4	0	+∞	Si
63	26105	1	135662	3.8	124.5	114.2	1837	26105	1	135662	3.8	93.4	0	+∞	Si
77	-54617	9	-216460	6.8	124.5	319.9	1837	-41013	2	-201232	6.3	93.4	0	+∞	Si
91	-128167	9	-306718	9.6	124.5	453.3	1837	-113876	2	-290441	9.1	93.4	0	+∞	Si
105	-209763	9	-406869	12.8	124.5	601.3	1837	-194610	2	-387522	12.2	93.4	0	+∞	Si
119	-299405	9	-516463	16.2	124.5	763.3	1837	-283217	2	-492475	15.4	93.4	0	+∞	Si
133	-398707	3	-634625	19.9	124.5	938	1837	-379697	2	-605301	19	93.4	0	+∞	Si
147	-507646	3	-761356	21.6	124.5	851.9	1837	-484048	2	-725999	20.6	93.4	0	+∞	Si
161	-625153	3	-871218	24	124.5	899.2	1837	-596272	2	-830415	22.9	93.4	0	+∞	Si
168	-687120	3	-871218	23.7	124.5	865.8	1837	-655337	2	-830415	22.6	93.4	0	+∞	Si
182	-817481	3	-871218	23.2	124.5	806	1837	-779369	2	-830415	22.1	93.4	0	+∞	Si
187	-871218	3	-871218	22.9	124.5	784.8	1837	-830415	2	-830415	21.9	93.4	0	+∞	Si
196	-956410	3	-939183	24.7	124.5	846	1837	-911274	2	-894958	23.6	93.4	0	+∞	Si
210	-1103907	3	-982120	25.9	124.5	884.7	1837	-1051051	2	-935732	24.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
14	0	0	0	0	0	0	0	0	0	0	0	1	-0.001	1	9999	Si
23	0	0	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
28	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
42	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
56	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
63	-0.001	-0.002	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.004	1	-0.004	1	9999	Si
77	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
91	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
105	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
119	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.008	1	9999	Si
133	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si
140	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.008	1	-0.008	1	9999	Si
147	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.008	1	-0.008	1	9999	Si
161	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.008	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
168	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
182	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	1	-0.006	1	9999	Si
187	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
196	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-2734	-25448	-35001	SLV 15	0.46	1299	1.28	167492	-1337397	-1453554	SLV 1	0.44	1153	1.219	Si
28	-2955	-25448	-35001	SLV 15	0.45	1275	1.27	167492	-1337397	-1453554	SLV 1	0.44	1153	1.219	Si
42	-3518	-25448	-35045	SLV 15	0.45	1221	1.247	167492	-1337397	-1449190	SLV 1	0.44	1144	1.215	Si
56	-4080	-25448	-35127	SLV 15	0.44	1173	1.227	155023	-1248831	-1441401	SLV 1	0.46	1327	1.291	Si
63	-4361	-25448	-35171	SLV 15	0.44	1149	1.217	133653	-1108995	-1437510	SLV 1	0.51	1745	1.444	Si
77	-4923	-25448	-35366	SLV 15	0.43	1113	1.201	-201232	-800144	-1422107	SLV 9	0.54	2128	1.567	Si
91	-5486	-25448	-35366	SLV 15	0.42	1060	1.177	-290441	-982562	-1422107	SLV 13	0.42	1007	1.153	Si
105	-6048	-25448	-35366	SLV 15	0.42	1008	1.153	-387522	-1244742	-1422107	SLV 13	0.3	457	0.834	No
119	-6610	-25448	-35366	SLV 15	0.41	959	1.13	-492475	-1507762	-1422107	SLV 13	0.23	238	0.638	No
133	-7173	-25448	-35366	SLV 15	0.4	914	1.108	-605301	-1771575	-1422107	SLV 13	0.17	129	0.496	No
147	-7735	-25448	-35366	SLV 15	0.39	870	1.086	-725999	-2036204	-1870605	SLV 13	0.21	195	0.588	No
161	-8297	-25448	-35366	SLV 15	0.39	827	1.063	-830415	-2252901	-2026968	SLV 13	0.2	173	0.56	No
168	-8578	-25448	-35366	SLV 15	0.38	806	1.052	-830415	-2252901	-2105128	SLV 13	0.21	198	0.592	No
182	-9141	-25448	-35366	SLV 15	0.37	766	1.03	-830415	-2252901	-2261413	SLV 13	0.24	254	0.655	No
187	-9362	-25448	-35366	SLV 15	0.37	750	1.022	-830415	-2252901	-2322809	SLV 13	0.25	279	0.681	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-2734	-8938	-35001	SLD 15	0.48	1500	3.415	167492	-591821	-1453554	SLD 1	0.37	737	2.552	Si
28	-2955	-8938	-35001	SLD 15	0.48	1472	3.389	167492	-591821	-1453554	SLD 1	0.37	737	2.552	Si
42	-3518	-8938	-35045	SLD 15	0.47	1410	3.33	167492	-591821	-1449190	SLD 1	0.37	732	2.545	Si
56	-4080	-8938	-35127	SLD 15	0.46	1354	3.275	155023	-552628	-1441401	SLD 1	0.39	839	2.691	Si
63	-4361	-8938	-35171	SLD 15	0.46	1326	3.247	133653	-490746	-1437510	SLD 1	0.43	1090	2.996	Si
77	-4923	-8938	-35366	SLD 15	0.45	1285	3.205	-201232	-354093	-1422107	SLD 9	0.46	1328	3.249	Si
91	-5486	-8938	-35366	SLD 15	0.45	1224	3.142	-290441	-434822	-1422107	SLD 13	0.35	651	2.425	Si
105	-6048	-8938	-35366	SLD 15	0.44	1164	3.078	-387522	-550845	-1422107	SLD 13	0.26	310	1.789	Si
119	-6610	-8938	-35366	SLD 15	0.43	1105	3.013	-492475	-667240	-1422107	SLD 13	0.19	163	1.375	Si
133	-7173	-8938	-35366	SLD 15	0.42	1048	2.948	-605301	-783984	-1422107	SLD 13	0.15	89	1.073	Si
147	-7735	-8938	-35366	SLD 15	0.41	992	2.883	-725999	-901090	-1870605	SLD 13	0.18	134	1.269	Si
161	-8297	-8938	-35366	SLD 15	0.41	941	2.821	-830415	-996985	-2026968	SLD 13	0.17	120	1.213	Si
168	-8578	-8938	-35366	SLD 15	0.4	917	2.791	-830415	-996985	-2105128	SLD 13	0.18	135	1.273	Si
182	-9141	-8938	-35366	SLD 15	0.39	872	2.734	-830415	-996985	-2261413	SLD 13	0.2	173	1.409	Si
187	-9362	-8938	-35366	SLD 15	0.39	853	2.71	-830415	-996985	-2322809	SLD 13	0.21	188	1.458	Si

Campata 5 tra i fili 71B - 72, sezione R 45x70, asta 786

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4						-1088950	SLU 30	-948846	-2322809	0.092	Si
20	19.01	5.4	19.01	5.4						-849035	SLU 30	-848065	-2322809	0.092	Si
23	19.01	5.4	19.01	5.4						-823394	SLU 30	-823394	-2322809	0.092	Si
40	16.48	5.4	19.01	5.4						-633533	SLU 30	-823394	-2024162	0.089	Si
60	13.63	5.4	19.01	5.4						-442766	SLU 36	-725980	-1686318	0.086	Si
81	7.6	5.4	19.01	5.4						-283906	SLU 36	-524114	-971525	0.08	Si
91	7.6	5.4	19.01	5.4						-216321	SLU 35	-433137	-971525	0.08	Si
111	7.6	5.4	19.01	5.4	-43317	SLU 11	78110	2323876	0.102	-111903	SLU 26	-275611	-971525	0.08	Si
131	7.6	5.4	19.01	5.4	45710	SLU 11	144961	2323876	0.102	-31827	SLU 26	-153979	-971525	0.08	Si
151	15.16	7.4	19.01	5.4	117550	SLU 29	190310	2364014	0.122	27744	SLU 8	-65321	-1807216	0.09	Si
171	19.92	7.9	19.01	5.4	173586	SLU 29	212717	2368858	0.128						Si
192	24.67	8.2	19.01	5.4	206119	SLU 30	215012	2371458	0.131						Si
212	26.61	8.3	27.65	6.7	215012	SLU 30	215012	3263611	0.149						Si
232	26.61	8.3	28.58	7.4	199697	SLU 30	215012	3323465	0.152						Si
242	26.61	8.3	26.32	7.7	182961	SLU 30	214470	3063183	0.149						Si
262	26.61	8.3	15.21	9.4	131334	SLU 30	197738	1827937	0.136						Si
275	26.61	8.3	15.21	9.4	85276	SLU 30	174080	1827937	0.136						Si
282	26.61	8.3	15.21	9.4	58057	SLU 36	58057	1827937	0.136						Si
302	26.61	8.3	15.21	9.4						-58526	SLU 20	-33034	-3011323	0.167	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	1943660	SLV 15	1802307	2322809	0.092	-3439835	SLV 1	-3110121	-2322809	0.092	No
20	19.01	5.4	19.01	5.4	1682537	SLV 15	1680685	2322809	0.092	-2856090	SLV 1	-2852931	-2322809	0.092	No
23	19.01	5.4	19.01	5.4	1650914	SLV 15	1650914	2322809	0.092	-2789973	SLV 1	-2789973	-2322809	0.092	No
40	16.48	5.4	19.01	5.4	1405157	SLV 15	1650914	2322993	0.093	-2288756	SLV 1	-2789973	-2024162	0.089	No
60	13.63	5.4	19.01	5.4	1111573	SLV 15	1529409	2323264	0.095	-1737888	SLV 1	-2537414	-1686318	0.086	No
81	7.6	5.4	19.01	5.4	801919	SLV 15	1242970	2323876	0.102	-1203620	SLV 1	-1979268	-971525	0.08	No
91	7.6	5.4	19.01	5.4	641177	SLV 15	1093688	2323876	0.102	-942822	SLV 1	-1706383	-971525	0.08	No
111	7.6	5.4	19.01	5.4	438617	SLV 11	783109	2323876	0.102	-564652	SLV 5	-1173100	-971525	0.08	No
131	7.6	5.4	19.01	5.4	328208	SLV 7	791237	2323876	0.102	-311188	SLV 9	-718890	-971525	0.08	Si
151	15.16	7.4	19.01	5.4	618012	SLV 3	1214209	2364014	0.122	-490340	SLV 13	-984466	-1807216	0.09	Si
171	19.92	7.9	19.01	5.4	1022431	SLV 1	1647145	2368858	0.128	-816507	SLV 15	-1385855	-2332216	0.097	Si
192	24.67	8.2	19.01	5.4	1457240	SLV 1	2067591	2371458	0.131	-1205464	SLV 15	-1807155	-2856800	0.104	Si
212	26.61	8.3	27.65	6.7	1883981	SLV 1	2472736	3263611	0.149	-1618755	SLV 15	-2245555	-3134867	0.121	Si
232	26.61	8.3	28.58	7.4	2296008	SLV 1	2862032	3323465	0.152	-2049732	SLV 15	-2700507	-3112185	0.137	Si
242	26.61	8.3	26.32	7.7	2496159	SLV 1	3050675	3063183	0.149	-2271508	SLV 15	-2934129	-3089562	0.144	Si
262	26.61	8.3	15.21	9.4	2884522	SLV 1	3122920	1827937	0.136	-2727423	SLV 15	-3026483	-3011323	0.167	No
275	26.61	8.3	15.21	9.4	3122920	SLV 1	3122920	1827937	0.136	-3026483	SLV 15	-3026483	-3011323	0.167	No
282	26.61	8.3	15.21	9.4	3256851	SLV 1	3239670	1827937	0.136	-3199705	SLV 15	-3176125	-3011323	0.167	No
302	26.61	8.3	15.21	9.4	3613423	SLV 1	3375503	1827937	0.136	-3687933	SLV 15	-3350227	-3011323	0.167	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	443112	SLD 15	433059	2322809	0.092	-1939288	SLD 1	-1740874	-2322809	0.092	Si
20	19.01	5.4	19.01	5.4	417480	SLD 15	417024	2322809	0.092	-1591032	SLD 1	-1589270	-2322809	0.092	Si
23	19.01	5.4	19.01	5.4	413099	SLD 15	413099	2322809	0.092	-1552159	SLD 1	-1552159	-2322809	0.092	Si
40	16.48	5.4	19.01	5.4	375546	SLD 15	413099	2322993	0.093	-1259145	SLD 1	-1552159	-2024162	0.089	Si
60	13.63	5.4	19.01	5.4	317336	SLD 15	395857	2323264	0.095	-943651	SLD 1	-1403862	-1686318	0.086	Si
81	7.6	5.4	19.01	5.4	242907	SLD 15	344829	2323876	0.102	-644607	SLD 1	-1081126	-971525	0.08	No
91	7.6	5.4	19.01	5.4	199659	SLD 15	313217	2323876	0.102	-501303	SLD 1	-925912	-971525	0.08	Si
111	7.6	5.4	19.01	5.4	158967	SLD 11	237846	2323876	0.102	-285002	SLD 5	-627837	-971525	0.08	Si
131	7.6	5.4	19.01	5.4	149978	SLD 7	396361	2323876	0.102	-132958	SLD 9	-373865	-971525	0.08	Si
151	15.16	7.4	19.01	5.4	309074	SLD 3	601370	2364014	0.122	-181401	SLD 13	-371626	-1807216	0.09	Si
171	19.92	7.9	19.01	5.4	509861	SLD 1	801755	2368858	0.128	-303936	SLD 15	-540465	-2332216	0.097	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
192	24.67	8.2	19.01	5.4	715063	SLD 1	987582	2371458	0.131	-463287	SLD 15	-727146	-2856800	0.104	Si
212	26.61	8.3	27.65	6.7	907662	SLD 1	1157606	3263611	0.149	-642436	SLD 15	-930425	-3134867	0.121	Si
232	26.61	8.3	28.58	7.4	1084719	SLD 1	1311585	3323465	0.152	-838443	SLD 15	-1150060	-3112185	0.137	Si
242	26.61	8.3	26.32	7.7	1167266	SLD 1	1382530	3063183	0.149	-942616	SLD 15	-1265983	-3089562	0.144	Si
262	26.61	8.3	15.21	9.4	1320304	SLD 1	1408897	1827937	0.136	-1163205	SLD 15	-1312459	-3011323	0.167	Si
275	26.61	8.3	15.21	9.4	1408897	SLD 1	1408897	1827937	0.136	-1312459	SLD 15	-1312459	-3011323	0.167	Si
282	26.61	8.3	15.21	9.4	1457214	SLD 1	1451395	1827937	0.136	-1400068	SLD 15	-1387849	-3011323	0.167	Si
302	26.61	8.3	15.21	9.4	1578315	SLD 1	1500839	1827937	0.136	-1652826	SLD 15	-1475564	-3011323	0.167	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.63	0	12502	SLU 30	12502	11592	76908	0	11592	1	Si
20	0	7.6	0	11291	SLU 30	11291	9541	76908	0	9541	1	Si
23	0.302	7.6	0	11151	SLU 30	11151	9541	76908	35013	35013	1	Si
40	0.302	7.6	0	10081	SLU 30	10081	9541	76908	35013	35013	1	Si
60	0.302	7.6	0	8870	SLU 30	8870	9541	76908	35013	35013	1	Si
81	0.302	7.6	0	7660	SLU 30	7660	9541	76908	35013	35013	1	Si
91	0.302	15.16	0	7054	SLU 30	7054	12010	76908	35013	35013	1	Si
111	0.268	15.06	0	5844	SLU 30	5844	11982	76908	31122	31122	1	Si
131	0.268	19.01	0	4642	SLU 30	4642	12949	76908	31122	31122	1	Si
151	0.268	19.01	0	3442	SLU 30	3442	12949	76908	31122	31122	1	Si
171	0.268	19.01	0	2255	SLU 36	2255	12949	76908	31122	31122	1	Si
192	0.268	19.01	0	1140	SLU 35	1140	12949	76908	31122	31122	1	Si
212	0.259	15.21	0	213	SLU 26	213	11907	75420	29430	29430	1	Si
212	0.259	15.21	0	-238	SLU 11	-238	-11907	-75420	-29430	-29430	1	Si
232	0.259	15.21	0	-1423	SLU 29	-1423	-11841	-74563	-29096	-29096	1	Si
242	0.259	15.21	0	-2023	SLU 29	-2023	-11810	-74157	-28937	-28937	1	Si
262	0.259	15.21	0	-3223	SLU 29	-3223	-11653	-72146	-28153	-28153	1	Si
275	0.259	15.21	0	-3987	SLU 29	-3987	-11653	-72146	-28153	-28153	1	Si
282	0	15.21	0	-4424	SLU 29	-4424	-11653	-72146	0	-11653	1	Si
302	0	26.61	0	-5396	SLU 29	-5396	-14171	-73507	0	-14171	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.63	0	29361	SLV 1	34810	11592	76908	0	11592	1	Si
0	0	19.01	0	-12553	SLV 15	-18002	-12949	-76908	0	-12949	1	Si
20	0	7.6	0	28551	SLV 1	34000	9541	76908	0	9541	1	Si
20	0	19.01	0	-13363	SLV 15	-18812	-12949	-76908	0	-12949	1	Si
23	0.302	7.6	0	28458	SLV 1	33906	9541	76908	35013	35013	1	Si
23	0.302	19.01	0	-13457	SLV 15	-18906	-12949	-76908	-35013	-35013	1	Si
40	0.302	7.6	0	27741	SLV 1	33190	9541	76908	35013	35013	1	Si
40	0.302	19.01	0	-14173	SLV 15	-19622	-12949	-76908	-35013	-35013	1	Si
60	0.302	7.6	0	26931	SLV 1	32380	9541	76908	35013	35013	1	Si
60	0.302	19.01	0	-14983	SLV 15	-20432	-12949	-76908	-35013	-35013	1	Si
81	0.302	7.6	0	26121	SLV 1	31570	9541	76908	35013	35013	1	Si
81	0.302	19.01	0	-15793	SLV 15	-21242	-12949	-76908	-35013	-35013	1	Si
91	0.302	15.16	0	25716	SLV 1	31165	12010	76908	35013	35013	1	Si
91	0.302	19.01	0	-16198	SLV 15	-21647	-12949	-76908	-35013	-35013	1	Si
111	0.268	15.06	0	24906	SLV 1	30355	11982	76908	31122	31122	1	Si
111	0.268	19.01	0	-17008	SLV 15	-22457	-12949	-76908	-31122	-31122	1	Si
131	0.268	19.01	0	24102	SLV 1	29551	12949	76908	31122	31122	1	Si
131	0.268	12.21	0	-17812	SLV 15	-23261	-11173	-76908	-31122	-31122	1	Si
151	0.268	19.01	0	23299	SLV 1	28748	12949	76908	31122	31122	1	Si
151	0.268	7.6	0	-18616	SLV 15	-24064	-9396	-74534	-30162	-30162	1	Si
171	0.268	19.01	0	22496	SLV 1	27945	12949	76908	31122	31122	1	Si
171	0.268	7.6	0	-19419	SLV 15	-24868	-9361	-73964	-29931	-29931	1	Si
192	0.268	19.01	0	21693	SLV 1	27141	12949	76908	31122	31122	1	Si
192	0.268	7.6	0	-20222	SLV 15	-25671	-9340	-73614	-29789	-29789	1	Si
212	0.259	15.21	0	20889	SLV 1	26338	11907	75420	29430	29430	1	Si
212	0.259	15.16	0	-21026	SLV 15	-26474	-11749	-73507	-28684	-28684	1	Si
232	0.259	15.21	0	20086	SLV 1	25535	11841	74563	29096	29096	1	Si
232	0.259	19.92	0	-21829	SLV 15	-27278	-12866	-73507	-28684	-28684	1	Si
242	0.259	15.21	0	19684	SLV 1	25133	11810	74157	28937	28937	1	Si
242	0.259	22.29	0	-22231	SLV 15	-27679	-13359	-73507	-28684	-28684	1	Si
262	0.259	15.21	0	18881	SLV 1	24330	11653	72146	28153	28153	1	Si
262	0.259	26.61	0	-23034	SLV 15	-28483	-14171	-73507	-28684	-28684	1	Si
275	0.259	15.21	0	18370	SLV 1	23819	11653	72146	28153	28153	1	Si
275	0.259	26.61	0	-23545	SLV 15	-28994	-14171	-73507	-28684	-28684	1	No
282	0	15.21	0	18078	SLV 1	23526	11653	72146	0	11653	1	Si
282	0	26.61	0	-23837	SLV 15	-29286	-14171	-73507	0	-14171	1	Si
302	0	15.21	0	17423	SLV 1	22871	11653	72146	0	11653	1	Si
302	0	26.61	0	-24492	SLV 15	-29941	-14171	-73507	0	-14171	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.63	0	17678	SLD 1	17678	11592	76908	0	11592	1	Si
0	0	19.01	0	-871	SLD 15	-871	-12949	-76908	0	-12949	1	Si
20	0	7.6	0	16868	SLD 1	16868	9541	76908	0	9541	1	Si
20	0	19.01	0	-1681	SLD 15	-1681	-12949	-76908	0	-12949	1	Si
23	0.302	7.6	0	16775	SLD 1	16775	9541	76908	35013	35013	1	Si
23	0.302	19.01	0	-1774	SLD 15	-1774	-12949	-76908	-35013	-35013	1	Si
40	0.302	7.6	0	16058	SLD 1	16058	9541	76908	35013	35013	1	Si
40	0.302	19.01	0	-2491	SLD 15	-2491	-12949	-76908	-35013	-35013	1	Si
60	0.302	7.6	0	15248	SLD 1	15248	9541	76908	35013	35013	1	Si
60	0.302	19.01	0	-3301	SLD 15	-3301	-12949	-76908	-35013	-35013	1	Si
81	0.302	7.6	0	14438	SLD 1	14438	9541	76908	35013	35013	1	Si
81	0.302	19.01	0	-4111	SLD 15	-4111	-12949	-76908	-35013	-35013	1	Si
91	0.302	15.16	0	14033	SLD 1	14033	12010	76908	35013	35013	1	Si
91	0.302	19.01	0	-4515	SLD 15	-4515	-12949	-76908	-35013	-35013	1	Si
111	0.268	15.06	0	13223	SLD 1	13223	11982	76908	31122	31122	1	Si
111	0.268	19.01	0	-5325	SLD 15	-5325	-12949	-76908	-31122	-31122	1	Si
131	0.268	19.01	0	12420	SLD 1	12420	12949	76908	31122	31122	1	Si
131	0.268	12.21	0	-6129	SLD 15	-6129	-11173	-76908	-31122	-31122	1	Si
151	0.268	19.01	0	11616	SLD 1	11616	12949	76908	31122	31122	1	Si
151	0.268	7.6	0	-6933	SLD 15	-6933	-9396	-74534	-30162	-30162	1	Si
171	0.268	19.01	0	10813	SLD 1	10813	12949	76908	31122	31122	1	Si
171	0.268	7.6	0	-7736	SLD 15	-7736	-9361	-73964	-29931	-29931	1	Si
192	0.268	19.01	0	10010	SLD 1	10010	12949	76908	31122	31122	1	Si
192	0.268	7.6	0	-8539	SLD 15	-8539	-9340	-73614	-29789	-29789	1	Si
212	0.259	15.21	0	9206	SLD 1	9206	11907	75420	29430	29430	1	Si
212	0.259	15.16	0	-9343	SLD 15	-9343	-11749	-73507	-28684	-28684	1	Si
232	0.259	15.21	0	8403	SLD 1	8403	11841	74563	29096	29096	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
232	0.259	19.92	0	-10146	SLD 15	-10146	-12866	-73507	-28684	-28684	1	Si
242	0.259	15.21	0	8001	SLD 1	8001	11810	74157	28937	28937	1	Si
242	0.259	22.29	0	-10548	SLD 15	-10548	-13359	-73507	-28684	-28684	1	Si
262	0.259	15.21	0	7198	SLD 1	7198	11653	72146	28153	28153	1	Si
262	0.259	26.61	0	-11351	SLD 15	-11351	-14171	-73507	-28684	-28684	1	Si
275	0.259	15.21	0	6687	SLD 1	6687	11653	72146	28153	28153	1	Si
275	0.259	26.61	0	-11862	SLD 15	-11862	-14171	-73507	-28684	-28684	1	Si
282	0	15.21	0	6395	SLD 1	6395	11653	72146	0	11653	1	Si
282	0	26.61	0	-12154	SLD 15	-12154	-14171	-73507	0	-14171	1	Si
302	0	15.21	0	5740	SLD 1	5740	11653	72146	0	11653	1	Si
302	0	26.61	0	-12809	SLD 15	-12809	-14171	-73507	0	-14171	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente						Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-801120	3	-698896	18.4	124.5	629.6	1837	-748088	2	-653907	17.2	93.4	0	+∞	Si
20	-626055	3	-625346	16.5	124.5	563.3	1837	-586776	2	-586123	15.4	93.4	0	+∞	Si
23	-607342	3	-607342	16	124.5	547.1	1837	-569530	2	-569530	15	93.4	0	+∞	Si
40	-468769	3	-607342	16.8	124.5	627.7	1837	-441800	2	-569530	15.7	93.4	0	+∞	Si
60	-329476	9	-536246	15.8	124.5	666.3	1837	-313158	2	-504002	14.8	93.4	0	+∞	Si
81	-212959	9	-388890	8	124.5	130.5	1837	-200850	2	-368149	13.5	93.4	0	+∞	Si
91	-163161	8	-322414	6.6	124.5	108.2	1837	-152708	1	-306347	11.2	93.4	0	+∞	Si
111	-82894	8	-206874	4.3	124.5	69.4	1837	-74508	1	-194996	7.1	93.4	0	+∞	Si
131	21135	2	100143	3	124.5	91.3	1837	8510	2	82898	2.5	93.4	0	+∞	Si
131	-16746	8	-116767	2.4	124.5	39.2	1837	-10427	1	-107468	3.9	93.4	0	+∞	Si
151	79995	2	133588	3.8	124.5	121.9	1837	63836	2	114872	3.3	93.4	0	+∞	Si
171	121224	2	150246	4.1	124.5	137.1	1837	102962	2	130645	3.6	93.4	0	+∞	Si
192	145291	3	152107	4	124.5	138.9	1837	125888	2	132613	3.5	93.4	0	+∞	Si
212	152107	3	152107	3.6	124.5	101.7	1837	132613	2	132613	3.1	93.4	0	+∞	Si
232	141291	3	152107	3.6	124.5	101.5	1837	123138	2	132613	3.2	93.4	0	+∞	Si
242	129272	3	151732	3.8	124.5	111	1837	112325	2	132296	3.3	93.4	0	+∞	Si
262	92009	3	139885	4.4	124.5	169.8	1837	78549	2	121873	3.8	93.4	0	+∞	Si
275	58680	3	122869	3.9	124.5	149.2	1837	48219	2	106532	3.4	93.4	0	+∞	Si
282	38822	9	38822	1.2	124.5	47.1	1837	28573	2	28573	0.9	93.4	0	+∞	Si
302	-40161	2	-23085	0.7	124.5	17.3	1837	-37255	2	-12638	0.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
40	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
60	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.005	2	-0.005	2	9999	Si
71	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.004	2	-0.005	2	9999	Si
81	-0.001	-0.002	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.004	2	-0.005	2	9999	Si
91	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.004	2	-0.004	2	9999	Si
111	0	-0.001	-0.001	-0.002	0	-0.001	-0.001	-0.002	0	-0.001	-0.003	2	-0.004	2	9999	Si
131	0.001	0	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.002	2	-0.003	2	9999	Si
151	0.001	0	0	-0.001	0.001	0	0	-0.001	0.001	0	-0.001	2	-0.002	2	9999	Si
171	0.002	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0	2	-0.001	2	9999	Si
192	0.002	0.001	0.001	0	0.002	0.001	0	0	0.001	0.001	0	2	0	2	9999	Si
212	0.002	0.001	0.001	0	0.002	0.001	0.001	0	0.002	0.001	0.001	2	0	2	9999	Si
232	0.002	0.001	0.001	0	0.002	0.001	0.001	0	0.001	0.001	0.001	2	0	2	9999	Si
242	0.002	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0	2	9999	Si
262	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0	2	9999	Si
275	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0	2	9999	Si
282	0.001	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	7500	26406	35013	SLV 1	0.38	786	1.041	-569530	-2220443	-2322809	SLV 1	0.29	409	0.797	No
40	6784	26406	35013	SLV 1	0.39	837	1.069	-569530	-2220443	-2024162	SLV 1	0.24	272	0.674	No
60	5974	26406	35013	SLV 1	0.4	897	1.099	-504002	-2033411	-1686318	SLV 1	0.22	210	0.606	No
81	5164	26406	35013	SLV 1	0.41	959	1.13	-368149	-1611119	-971525	SLV 1	0.14	85	0.418	No
91	4759	26406	35013	SLV 1	0.41	993	1.146	-306347	-1400035	-971525	SLV 1	0.18	137	0.509	No
111	3949	26406	31122	SLV 1	0.37	763	1.029	-194996	-978104	-971525	SLV 1	0.29	413	0.8	No
131	3145	26406	31122	SLV 1	0.38	819	1.059	-99979	-618911	-971525	SLV 5	0.5	1717	1.435	Si
151	2342	26406	31122	SLV 1	0.4	878	1.09	114872	-1099337	-1807216	SLV 15	0.57	2474	1.666	Si
171	1538	26406	31122	SLV 1	0.41	939	1.12	130645	1516500	2368858	SLV 1	0.53	1947	1.511	Si
192	735	26406	31122	SLV 1	0.42	1005	1.152	130218	1937373	2371458	SLV 1	0.42	1019	1.158	Si
212	-68	-26406	-28684	SLV 15	0.39	865	1.083	113591	2359145	3263611	SLV 1	0.48	1489	1.353	Si
232	-872	-26406	-28684	SLV 15	0.38	807	1.053	80763	-2781269	-3112185	SLV 15	0.42	998	1.148	Si
242	-1273	-26406	-28684	SLV 15	0.38	779	1.038	58273	2992402	3063183	SLV 1	0.37	719	1.004	Si
262	-2077	-26406	-28684	SLV 15	0.37	725	1.007	48219	3074702	1827937	SLV 1	0.22	208	0.604	No
275	-2588	-26406	-28684	SLV 15	0.36	691	0.988	48219	3074702	1827937	SLV 1	0.22	208	0.604	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	7500	9274	35013	SLD 1	0.4	894	2.762	-569530	-982629	-2322809	SLD 1	0.25	278	1.711	Si
40	6784	9274	35013	SLD 1	0.41	953	2.836	-569530	-982629	-2024162	SLD 1	0.21	185	1.448	Si
60	5974	9274	35013	SLD 1	0.42	1026	2.923	-504002	-899860	-1686318	SLD 1	0.18	143	1.303	Si
81	5164	9274	35013	SLD 1	0.43	1105	3.013	-368149	-712978	-971525	SLD 1	0.12	60	0.913	No
91	4759	9274	35013	SLD 1	0.44	1146	3.058	-306347	-619564	-971525	SLD 1	0.15	95	1.102	Si
111	3949	9274	31122	SLD 1	0.39	868	2.729	-194996	-432841	-971525	SLD 1	0.25	281	1.719	Si
131	3145	9274	31122	SLD 1	0.4	932	2.81	-99979	-273886	-971525	SLD 5	0.43	1072	2.976	Si
151	2342	9274	31122	SLD 1	0.42	1002	2.895	114872	-486498	-1807216	SLD 15	0.52	1909	3.77	Si
171	1538	9274	31122	SLD 1	0.43	1079	2.984	130645	671110	2368858	SLD 1	0.45	1216	3.134	Si
192	735	9274	31122	SLD 1	0.44	1160	3.074	130218	857364	2371458	SLD 1	0.35	658	2.436	Si
212	-68	-9274	-28684	SLD 15	0.41	985	2.874	113591	1044015	3263611	SLD 1	0.41	933	2.811	Si
232	-872	-9274	-28684	SLD 15	0.4	918	2.792	80763	-1230822	-3112185	SLD 15	0.35	645	2.416	Si
242	-1273	-9274	-28684	SLD 15	0.4	886	2.752	58273	1324257	3063183	SLD 1	0.31	469	2.12	Si
262	-2077	-9274	-28684	SLD 15	0.39	825	2.673	48219	1360678	1827937	SLD 1	0.18	142	1.299	Si
275	-2588	-9274	-28684	SLD 15	0.38	786	2.62	48219	1360678	1827937	SLD 1	0.18	142	1.299	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 70-73

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 70 - 73, sezione R 45x70, asta 956

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-1071649	SLU 20	-982822	-970824	0.078	No
23	7.6	5.4	11.4	5.4						-896461	SLU 20	-896461	-970824	0.078	Si
30	7.6	5.4	11.4	5.4						-842110	SLU 20	-896461	-970824	0.078	Si
59	7.6	5.4	11.4	5.4						-622443	SLU 20	-838303	-970824	0.078	Si
89	7.6	5.4	11.4	5.4						-413269	SLU 20	-618814	-970824	0.078	Si
118	7.6	5.4	11.4	5.4	-138964	SLU 12	8664	1422093	0.084	-227106	SLU 19	-409830	-970824	0.078	Si
133	7.6	5.4	11.4	5.4	-62543	SLU 12	79692	1422093	0.084	-139067	SLU 19	-314807	-970824	0.078	Si
163	7.6	5.4	11.4	5.4	82574	SLU 30	247911	1422093	0.084	27894	SLU 1	-136149	-970824	0.078	Si
192	7.6	5.4	11.4	5.4	250728	SLU 30	401005	1422093	0.084						Si
222	7.6	5.4	11.4	5.4	403555	SLU 30	537759	1422093	0.084						Si
251	7.6	5.4	11.4	5.4	540025	SLU 30	657140	1422093	0.084						Si
281	7.6	5.4	11.4	5.4	659103	SLU 30	758115	1422093	0.084						Si
311	7.6	5.4	11.4	5.4	759758	SLU 30	839638	1422093	0.084						Si
340	7.6	5.4	11.4	5.4	840943	SLU 30	900654	1422093	0.084						Si
355	7.6	5.4	11.4	5.4	873905	SLU 30	923142	1422093	0.084						Si
384	7.6	5.4	11.4	5.4	923906	SLU 30	954195	1422093	0.084						Si
414	7.6	5.4	11.4	5.4	954655	SLU 36	958446	1422093	0.084						Si
421	7.6	5.4	11.4	5.4	958446	SLU 36	958446	1422093	0.084						Si
444	7.6	5.4	11.4	5.4	964869	SLU 36	964555	1422093	0.084						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	1271722	SLV 13	1238263	1422093	0.084	-2885136	SLV 3	-2717424	-970824	0.078	No
23	7.6	5.4	11.4	5.4	1202913	SLV 13	1202913	1422093	0.084	-2551596	SLV 3	-2551596	-970824	0.078	No
30	7.6	5.4	11.4	5.4	1180700	SLV 13	1202913	1422093	0.084	-2447264	SLV 3	-2551596	-970824	0.078	No
59	7.6	5.4	11.4	5.4	1082148	SLV 13	1179045	1422093	0.084	-2016926	SLV 3	-2439859	-970824	0.078	No
89	7.6	5.4	11.4	5.4	975632	SLV 13	1080359	1422093	0.084	-1594557	SLV 3	-2009656	-970824	0.078	No
118	7.6	5.4	11.4	5.4	860542	SLV 13	973699	1422093	0.084	-1180771	SLV 3	-1587430	-970824	0.078	No
133	7.6	5.4	11.4	5.4	799568	SLV 13	917192	1422093	0.084	-977313	SLV 3	-1379498	-970824	0.078	No
163	7.6	5.4	11.4	5.4	670348	SLV 13	797397	1422093	0.084	-577695	SLV 3	-970425	-970824	0.078	Si
192	7.6	5.4	11.4	5.4	530896	SLV 13	668005	1422093	0.084	-188403	SLV 3	-570980	-970824	0.078	Si
222	7.6	5.4	11.4	5.4	380968	SLV 13	560327	1422093	0.084	189449	SLV 3	-181876	-970824	0.078	Si
251	7.6	5.4	11.4	5.4	565894	SLV 7	905589	1422093	0.084						Si
281	7.6	5.4	11.4	5.4	911604	SLV 3	1247224	1422093	0.084	43495	SLV 13	-140606	-970824	0.078	Si
311	7.6	5.4	11.4	5.4	1253016	SLV 3	1575228	1422093	0.084	-143873	SLV 13	-341450	-970824	0.078	No
340	7.6	5.4	11.4	5.4	1580782	SLV 3	1888884	1422093	0.084	-344954	SLV 13	-556665	-970824	0.078	No
355	7.6	5.4	11.4	5.4	1739325	SLV 3	2040113	1422093	0.084	-450846	SLV 13	-669877	-970824	0.078	No
384	7.6	5.4	11.4	5.4	2045289	SLV 3	2330937	1422093	0.084	-673760	SLV 13	-907939	-970824	0.078	No
414	7.6	5.4	11.4	5.4	2335847	SLV 3	2402498	1422093	0.084	-912089	SLV 13	-971982	-970824	0.078	No
421	7.6	5.4	11.4	5.4	2402498	SLV 3	2402498	1422093	0.084	-971982	SLV 13	-971982	-970824	0.078	No
444	7.6	5.4	11.4	5.4	2610303	SLV 3	2508520	1422093	0.084	-1166524	SLV 13	-1067138	-970824	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	113078	SLD 13	113078	1422093	0.084	-1726493	SLD 3	-1614853	-970824	0.078	No
23	7.6	5.4	11.4	5.4	156417	SLD 13	206309	1422093	0.084	-1505099	SLD 3	-1505099	-970824	0.078	No
30	7.6	5.4	11.4	5.4	169476	SLD 13	217538	1422093	0.084	-1436039	SLD 3	-1505099	-970824	0.078	No
59	7.6	5.4	11.4	5.4	218341	SLD 13	258577	1422093	0.084	-1153119	SLD 3	-1431160	-970824	0.078	No
89	7.6	5.4	11.4	5.4	259242	SLD 13	291050	1422093	0.084	-878166	SLD 3	-1148374	-970824	0.078	No
118	7.6	5.4	11.4	5.4	291565	SLD 13	314276	1422093	0.084	-611795	SLD 3	-873565	-970824	0.078	Si
133	7.6	5.4	11.4	5.4	304297	SLD 13	322212	1422093	0.084	-482042	SLD 3	-739340	-970824	0.078	Si
163	7.6	5.4	11.4	5.4	322481	SLD 13	330315	1422093	0.084	-229827	SLD 3	-477679	-970824	0.078	Si
192	7.6	5.4	11.4	5.4	330405	SLD 13	330405	1422093	0.084	12088	SLD 3	-225637	-970824	0.078	Si
222	7.6	5.4	11.4	5.4	327585	SLD 13	463053	1422093	0.084						Si
251	7.6	5.4	11.4	5.4	466466	SLD 7	666143	1422093	0.084						Si
281	7.6	5.4	11.4	5.4	669635	SLD 3	860393	1422093	0.084						Si
311	7.6	5.4	11.4	5.4	863659	SLD 3	1040991	1422093	0.084						Si
340	7.6	5.4	11.4	5.4	1044020	SLD 3	1207234	1422093	0.084						Si
355	7.6	5.4	11.4	5.4	1128857	SLD 3	1284755	1422093	0.084						Si
384	7.6	5.4	11.4	5.4	1287407	SLD 3	1428163	1422093	0.084	84123	SLD 13	-5165	-970824	0.078	No
414	7.6	5.4	11.4	5.4	1430547	SLD 3	1461927	1422093	0.084	-6789	SLD 13	-31411	-970824	0.078	No
421	7.6	5.4	11.4	5.4	1461927	SLD 3	1461927	1422093	0.084	-31411	SLD 13	-31411	-970824	0.078	No
444	7.6	5.4	11.4	5.4	1557585	SLD 3	1511874	1422093	0.084	-113807	SLD 13	-70492	-970824	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	8083	SLU 30	8083	9541	76908	0	9541	1	Si
23	0.158	7.6	0	7840	SLU 30	7840	9541	76908	18340	18340	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
30	0.158	7.6	0	7760	SLU 30	7760	9541	76908	18340	18340	1	Si
59	0.158	7.6	0	7410	SLU 30	7410	9541	76908	18340	18340	1	Si
89	0.158	7.6	0	7032	SLU 30	7032	9541	76908	18340	18340	1	Si
118	0.144	7.6	0	6618	SLU 30	6618	9541	76908	16695	16695	1	Si
133	0.144	7.6	0	6399	SLU 30	6399	9541	76908	16695	16695	1	Si
163	0.144	11.4	0	5933	SLU 30	5933	10922	76908	16695	16695	1	Si
192	0.144	11.4	0	5432	SLU 30	5432	10922	76908	16695	16695	1	Si
222	0.144	11.4	0	4896	SLU 30	4896	10922	76908	16695	16695	1	Si
251	0.144	11.4	0	4326	SLU 30	4326	10922	76908	16695	16695	1	Si
281	0.144	11.4	0	3746	SLU 27	3746	10922	76908	16695	16695	1	Si
311	0.144	11.4	0	3175	SLU 26	3175	10922	76908	16695	16695	1	Si
340	0.144	11.4	0	2638	SLU 26	2638	10922	76908	16695	16695	1	Si
355	0.115	11.4	0	2361	SLU 26	2361	10922	76908	13338	13338	1	Si
384	0.115	11.4	0	1790	SLU 26	1790	10922	76908	13338	13338	1	Si
414	0.115	11.4	0	1195	SLU 26	1195	10922	76908	13338	13338	1	Si
421	0.115	11.4	0	1048	SLU 26	1048	10922	76908	13338	13338	1	Si
444	0	11.4	0	576	SLU 26	576	10922	76908	0	10922	1	Si
444	0	11.4	0	-434	SLU 11	-434	-10922	-76908	0	-10922	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	14925	SLV 3	17250	9541	76908	0	9541	1	Si
0	0	11.4	0	-2957	SLV 13	-5282	-10922	-76908	0	-10922	1	Si
23	0.158	7.6	0	14740	SLV 3	17065	9541	76908	18340	18340	1	Si
23	0.158	11.4	0	-3142	SLV 13	-5467	-10922	-76908	-18340	-18340	1	Si
30	0.158	7.6	0	14680	SLV 3	17005	9541	76908	18340	18340	1	Si
30	0.158	11.4	0	-3202	SLV 13	-5527	-10922	-76908	-18340	-18340	1	Si
59	0.158	7.6	0	14418	SLV 3	16743	9541	76908	18340	18340	1	Si
59	0.158	11.4	0	-3464	SLV 13	-5789	-10922	-76908	-18340	-18340	1	Si
89	0.158	7.6	0	14140	SLV 3	16464	9541	76908	18340	18340	1	Si
89	0.158	11.4	0	-3743	SLV 13	-6068	-10922	-76908	-18340	-18340	1	Si
118	0.144	7.6	0	13838	SLV 3	16163	9541	76908	16695	16695	1	Si
118	0.144	11.4	0	-4044	SLV 13	-6369	-10922	-76908	-16695	-16695	1	Si
133	0.144	7.6	0	13679	SLV 3	16003	9541	76908	16695	16695	1	Si
133	0.144	11.4	0	-4204	SLV 13	-6529	-10922	-76908	-16695	-16695	1	Si
163	0.144	7.6	0	13342	SLV 3	15667	9541	76908	16695	16695	1	Si
163	0.144	11.4	0	-4540	SLV 13	-6865	-10922	-76908	-16695	-16695	1	Si
192	0.144	7.6	0	12983	SLV 3	15308	9541	76908	16695	16695	1	Si
192	0.144	11.4	0	-4899	SLV 13	-7224	-10922	-76908	-16695	-16695	1	Si
222	0.144	11.4	0	12601	SLV 3	14926	10922	76908	16695	16695	1	Si
222	0.144	11.4	0	-5281	SLV 13	-7606	-10922	-76908	-16695	-16695	1	Si
251	0.144	11.4	0	12197	SLV 3	14521	10922	76908	16695	16695	1	Si
251	0.144	11.4	0	-5686	SLV 13	-8011	-10922	-76908	-16695	-16695	1	Si
281	0.144	11.4	0	11769	SLV 3	14094	10922	76908	16695	16695	1	Si
281	0.144	11.4	0	-6114	SLV 13	-8438	-10922	-76908	-16695	-16695	1	Si
311	0.144	11.4	0	11318	SLV 3	13643	10922	76908	16695	16695	1	Si
311	0.144	7.6	0	-6564	SLV 13	-8889	-9541	-76908	-16695	-16695	1	Si
340	0.144	11.4	0	10844	SLV 3	13169	10922	76908	16695	16695	1	Si
340	0.144	7.6	0	-7039	SLV 13	-9363	-9541	-76908	-16695	-16695	1	Si
355	0.115	11.4	0	10598	SLV 3	12923	10922	76908	13338	13338	1	Si
355	0.115	7.6	0	-7285	SLV 13	-9609	-9541	-76908	-13338	-13338	1	Si
384	0.115	11.4	0	10089	SLV 3	12413	10922	76908	13338	13338	1	Si
384	0.115	7.6	0	-7794	SLV 13	-10119	-9541	-76908	-13338	-13338	1	Si
414	0.115	11.4	0	9556	SLV 3	11881	10922	76908	13338	13338	1	Si
414	0.115	7.6	0	-8327	SLV 13	-10651	-9541	-76908	-13338	-13338	1	Si
421	0.115	11.4	0	9424	SLV 3	11749	10922	76908	13338	13338	1	Si
421	0.115	7.6	0	-8458	SLV 13	-10783	-9541	-76908	-13338	-13338	1	Si
444	0	11.4	0	9000	SLV 3	11324	10922	76908	0	10922	1	Si
444	0	7.6	0	-8883	SLV 13	-11208	-9541	-76908	0	-9541	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	9941	SLD 3	9941	9541	76908	0	9541	1	Si
23	0.158	7.6	0	9756	SLD 3	9756	9541	76908	18340	18340	1	Si
30	0.158	7.6	0	9696	SLD 3	9696	9541	76908	18340	18340	1	Si
59	0.158	7.6	0	9434	SLD 3	9434	9541	76908	18340	18340	1	Si
89	0.158	7.6	0	9155	SLD 3	9155	9541	76908	18340	18340	1	Si
118	0.144	7.6	0	8854	SLD 3	8854	9541	76908	16695	16695	1	Si
133	0.144	7.6	0	8694	SLD 3	8694	9541	76908	16695	16695	1	Si
163	0.144	7.6	0	8358	SLD 3	8358	9541	76908	16695	16695	1	Si
192	0.144	11.4	0	7999	SLD 3	7999	10922	76908	16695	16695	1	Si
222	0.144	11.4	0	7617	SLD 3	7617	10922	76908	16695	16695	1	Si
222	0.144	11.4	0	-297	SLD 13	-297	-10922	-76908	-16695	-16695	1	Si
251	0.144	11.4	0	7212	SLD 3	7212	10922	76908	16695	16695	1	Si
251	0.144	11.4	0	-701	SLD 13	-701	-10922	-76908	-16695	-16695	1	Si
281	0.144	11.4	0	6784	SLD 3	6784	10922	76908	16695	16695	1	Si
281	0.144	11.4	0	-1129	SLD 13	-1129	-10922	-76908	-16695	-16695	1	Si
311	0.144	11.4	0	6334	SLD 3	6334	10922	76908	16695	16695	1	Si
311	0.144	11.4	0	-1580	SLD 13	-1580	-10922	-76908	-16695	-16695	1	Si
340	0.144	11.4	0	5859	SLD 3	5859	10922	76908	16695	16695	1	Si
340	0.144	11.4	0	-2054	SLD 13	-2054	-10922	-76908	-16695	-16695	1	Si
355	0.115	11.4	0	5614	SLD 3	5614	10922	76908	13338	13338	1	Si
355	0.115	11.4	0	-2300	SLD 13	-2300	-10922	-76908	-13338	-13338	1	Si
384	0.115	11.4	0	5104	SLD 3	5104	10922	76908	13338	13338	1	Si
384	0.115	11.4	0	-2809	SLD 13	-2809	-10922	-76908	-13338	-13338	1	Si
414	0.115	11.4	0	4571	SLD 3	4571	10922	76908	13338	13338	1	Si
414	0.115	7.6	0	-3342	SLD 13	-3342	-9541	-76908	-13338	-13338	1	Si
421	0.115	11.4	0	4440	SLD 3	4440	10922	76908	13338	13338	1	Si
421	0.115	7.6	0	-3474	SLD 13	-3474	-9541	-76908	-13338	-13338	1	Si
444	0	11.4	0	4015	SLD 3	4015	10922	76908	0	10922	1	Si
444	0	7.6	0	-3898	SLD 13	-3898	-9541	-76908	0	-9541	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-819194	2	-750489	16.9	124.5	260.2	1837	-806707	2	-739581	29.7	93.4	0	+∞	Si
23	-683689	2	-683689	15.4	124.5	237.1	1837	-674341	2	-674341	27.1	93.4	0	+∞	Si
30	-641647	2	-683689	15.4	124.5	237.1	1837	-633282	2	-674341	27.1	93.4	0	+∞	Si
59	-471733	2	-638702	14.4	124.5	221.5	1837	-467389	2	-630407	25.3	93.4	0	+∞	Si
89	-309955	2	-468926	10.5	124.5	162.6	1837	-309462	2	-464648	18.6	93.4	0	+∞	Si
118	-164778	1	-307296	6.9	124.5	106.6	1837	-164778	1	-306866	12.3	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
133	-96063	1	-233259	5.2	124.5	80.9	1837	-96063	1	-233259	9.4	93.4	0	+∞	Si
163	55250	3	180831	6.6	124.5	269.2	1837	46327	2	169152	6.1	93.4	0	+∞	Si
192	182971	3	297302	10.8	124.5	442.7	1837	171247	2	283305	10.3	93.4	0	+∞	Si
222	299243	3	401591	14.6	124.5	597.9	1837	285209	2	385834	14	93.4	0	+∞	Si
251	403320	3	492951	17.9	124.5	734	1837	387536	2	476062	17.3	93.4	0	+∞	Si
281	494455	3	570634	20.7	124.5	849.6	1837	477549	2	553309	20.1	93.4	0	+∞	Si
311	571900	3	633884	23	124.5	943.8	1837	554571	2	616889	22.4	93.4	0	+∞	Si
340	634899	3	681938	24.8	124.5	1015.3	1837	617914	2	666109	24.2	93.4	0	+∞	Si
355	660743	3	700028	25.4	124.5	1042.3	1837	644239	2	685118	24.9	93.4	0	+∞	Si
384	700643	3	725708	26.3	124.5	1080.5	1837	685765	2	711499	25.8	93.4	0	+∞	Si
414	726093	9	729505	26.5	124.5	1086.2	1837	711879	2	715258	26	93.4	0	+∞	Si
421	729505	9	729505	26.5	124.5	1086.2	1837	715258	2	715258	26	93.4	0	+∞	Si
444	736178	9	734993	26.7	124.5	1094.3	1837	721889	2	720691	26.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	2	-0.002	2	9999	Si
30	0	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	2	-0.002	2	9999	Si
59	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0	2	9999	Si
89	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.004	2	9999	Si
118	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.012	2	0.01	2	9999	Si
133	0.008	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.015	2	0.014	2	9999	Si
163	0.011	0.009	0.009	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.023	2	0.021	2	9999	Si
192	0.014	0.012	0.012	0.011	0.014	0.012	0.012	0.011	0.013	0.012	0.03	2	0.027	2	9999	Si
222	0.017	0.015	0.015	0.013	0.016	0.015	0.014	0.013	0.016	0.015	0.036	2	0.033	2	9999	Si
251	0.019	0.017	0.016	0.015	0.018	0.017	0.016	0.015	0.018	0.017	0.04	2	0.038	2	9999	Si
281	0.02	0.018	0.017	0.016	0.019	0.018	0.017	0.016	0.019	0.018	0.043	2	0.041	2	9999	Si
296	0.02	0.018	0.018	0.016	0.019	0.018	0.017	0.016	0.019	0.018	0.043	2	0.041	2	9999	Si
311	0.02	0.018	0.017	0.016	0.019	0.018	0.017	0.016	0.019	0.018	0.043	2	0.041	2	9999	Si
340	0.018	0.017	0.016	0.015	0.018	0.017	0.016	0.015	0.017	0.017	0.04	2	0.038	2	9999	Si
355	0.017	0.015	0.015	0.014	0.016	0.015	0.014	0.014	0.016	0.015	0.037	2	0.035	2	9999	Si
384	0.013	0.012	0.011	0.011	0.012	0.012	0.011	0.011	0.012	0.012	0.028	2	0.027	2	9999	Si
414	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.015	2	9999	Si
421	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.013	2	0.012	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5799	11266	18340	SLV 3	0.4	924	1.113	-674341	-1877255	-970824	SLV 3	0.06	15	0.205	No
30	5739	11266	18340	SLV 3	0.41	935	1.118	-674341	-1877255	-970824	SLV 3	0.06	15	0.205	No
59	5477	11266	18340	SLV 3	0.41	984	1.142	-630407	-1809452	-970824	SLV 3	0.07	22	0.24	No
89	5198	11266	18340	SLV 3	0.42	1041	1.169	-464648	-1545007	-970824	SLV 3	0.13	65	0.375	No
118	4897	11266	16695	SLV 3	0.38	796	1.047	-306866	-1280565	-970824	SLV 3	0.2	165	0.549	No
133	4737	11266	16695	SLV 3	0.39	823	1.061	-231153	-1148345	-970824	SLV 3	0.24	262	0.664	No
163	4401	11266	16695	SLV 3	0.4	880	1.091	-86514	-883911	-970824	SLV 3	0.36	712	1	Si
192	4042	11266	16695	SLV 3	0.41	944	1.123	48512	-619493	-970824	SLV 3	0.57	2474	1.666	Si
222	3660	11266	16695	SLV 3	0.42	1019	1.158	173247	-355123	-970824	SLV 3	0.57	2474	1.666	Si
251	3255	11266	16695	SLV 3	0.43	1105	1.197	476062	429527	1422093	SLV 3	0.57	2474	1.666	Si
281	2828	11266	16695	SLV 3	0.44	1201	1.239	553309	693915	1422093	SLV 3	0.45	1256	1.262	Si
311	2377	11266	16695	SLV 3	0.46	1307	1.283	616889	958339	1422093	SLV 3	0.31	468	0.842	No
340	1903	11266	16695	SLV 3	0.47	1424	1.329	666109	1222775	1422093	SLV 3	0.23	240	0.64	No
355	1657	11266	13338	SLV 3	0.38	777	1.036	685118	1354995	1422093	SLV 3	0.2	182	0.572	No
384	1147	11266	13338	SLV 3	0.39	862	1.082	711499	1619438	1422093	SLV 3	0.17	117	0.477	No
414	615	11266	13338	SLV 3	0.41	957	1.129	715258	1687240	1422093	SLV 3	0.16	106	0.458	No
421	483	11266	13338	SLV 3	0.41	982	1.141	715258	1687240	1422093	SLV 3	0.16	106	0.458	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5799	3957	18340	SLD 3	0.42	1060	2.962	-674341	-830758	-970824	SLD 3	0.05	9	0.419	No
30	5739	3957	18340	SLD 3	0.43	1074	2.978	-674341	-830758	-970824	SLD 3	0.05	9	0.419	No
59	5477	3957	18340	SLD 3	0.44	1136	3.047	-630407	-800753	-970824	SLD 3	0.06	15	0.517	No
89	5198	3957	18340	SLD 3	0.44	1202	3.119	-464648	-683726	-970824	SLD 3	0.1	46	0.818	No
118	4897	3957	16695	SLD 3	0.4	906	2.777	-306866	-566700	-970824	SLD 3	0.16	113	1.183	Si
133	4737	3957	16695	SLD 3	0.41	937	2.816	-231153	-508187	-970824	SLD 3	0.2	178	1.425	Si
163	4401	3957	16695	SLD 3	0.42	1004	2.897	-86514	-391165	-970824	SLD 3	0.31	466	2.115	Si
192	4042	3957	16695	SLD 3	0.43	1086	2.992	48512	-274150	-970824	SLD 3	0.49	1622	3.527	Si
222	3660	3957	16695	SLD 3	0.44	1176	3.091	173247	-157156	-970824	SLD 3	0.6	2474	4.193	Si
251	3255	3957	16695	SLD 3	0.45	1276	3.196	476062	190082	1422093	SLD 3	0.6	2474	4.193	Si
281	2828	3957	16695	SLD 3	0.47	1386	3.306	553309	307084	1422093	SLD 3	0.38	796	2.634	Si
311	2377	3957	16695	SLD 3	0.48	1509	3.424	616889	424102	1422093	SLD 3	0.26	318	1.808	Si
340	1903	3957	16695	SLD 3	0.5	1646	3.548	666109	541125	1422093	SLD 3	0.19	164	1.378	Si
355	1657	3957	13338	SLD 3	0.4	884	2.75	685118	599637	1422093	SLD 3	0.17	125	1.233	Si
384	1147	3957	13338	SLD 3	0.41	982	2.871	711499	716664	1422093	SLD 3	0.14	82	1.037	No
414	615	3957	13338	SLD 3	0.43	1102	3.01	715258	746669	1422093	SLD 3	0.13	74	0.995	No
421	483	3957	13338	SLD 3	0.43	1134	3.045	715258	746669	1422093	SLD 3	0.13	74	0.995	No

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 73-74

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 73 - 73A, sezione R 45x70, asta 955

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	7.8	11.4	5.4	296734	SLU 35	296734	1515703	0.114						Si
17	19.01	7.8	11.4	5.4	359000	SLU 35	359000	1515703	0.114						Si
23	19.01	7.8	11.4	5.4	375173	SLU 35	471703	1515703	0.114						Si
34	19.01	7.8	11.4	5.4	413451	SLU 36	506208	1515703	0.114						Si
52	19.01	7.8	11.4	5.4	471519	SLU 36	544025	1515703	0.114						Si
69	19.01	7.8	11.4	5.4	520328	SLU 30	563265	1515703	0.114						Si
77	19.01	7.8	11.4	5.4	538711	SLU 30	565994	1515703	0.114						Si
94	19.01	7.8	11.4	5.4	561543	SLU 30	565994	1515703	0.114						Si
112	19.01	7.8	11.4	5.4	565801	SLU 30	565994	1515703	0.114						Si
129	19.01	7.8	11.4	5.4	551487	SLU 30	565994	1515703	0.114						Si
146	19.01	7.8	11.4	5.4	518604	SLU 30	562836	1515703	0.114						Si
163	19.01	7.8	11.4	5.4	467988	SLU 29	542829	1515703	0.114						Si
180	19.01	7.8	11.4	5.4	398964	SLU 29	504400	1515703	0.114						Si
197	19.01	7.8	11.4	5.4	311379	SLU 29	448248	1515703	0.114	125514	SLU 4	-4476	-2232472	0.101	Si
206	19.01	7.8	11.4	5.4	260629	SLU 29	413210	1515703	0.114	91627	SLU 4	-57559	-2232472	0.101	Si
223	19.01	7.8	11.4	5.4	145899	SLU 11	329215	1515703	0.114	15766	SLU 22	-57559	-2232472	0.101	Si
235	19.01	7.8	11.4	5.4	70470	SLU 11	261043	1515703	0.114	-57559	SLU 22	-57559	-2232472	0.101	Si
240	19.01	7.8	11.4	5.4	34677	SLU 11	34677	1515703	0.114	-92010	SLU 22	-87720	-2232472	0.101	Si
258	19.01	7.8	11.4	5.4						-212234	SLU 22	-129734	-2232472	0.101	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	7.8	11.4	5.4	2251716	SLV 15	2147596	1515703	0.114	-1896424	SLV 1	-1699823	-2232472	0.101	No
17	19.01	7.8	11.4	5.4	2086108	SLV 15	2080237	1515703	0.114	-1600812	SLV 1	-1590423	-2232472	0.101	No
23	19.01	7.8	11.4	5.4	2031881	SLV 15	2031881	1515703	0.114	-1511886	SLV 1	-1511886	-2232472	0.101	No
34	19.01	7.8	11.4	5.4	1908609	SLV 15	2031881	1515703	0.114	-1317730	SLV 1	-1511886	-2232472	0.101	No
52	19.01	7.8	11.4	5.4	1719365	SLV 15	2031881	1515703	0.114	-1047321	SLV 1	-1511886	-2232472	0.101	No
69	19.01	7.8	11.4	5.4	1518595	SLV 15	1851480	1515703	0.114	-789803	SLV 1	-1233844	-2232472	0.101	No
77	19.01	7.8	11.4	5.4	1413984	SLV 15	1756528	1515703	0.114	-665973	SLV 1	-1099001	-2232472	0.101	No
94	19.01	7.8	11.4	5.4	1196554	SLV 13	1557974	1515703	0.114	-428413	SLV 3	-838977	-2232472	0.101	No
112	19.01	7.8	11.4	5.4	968529	SLV 13	1348148	1515703	0.114	-204666	SLV 3	-592093	-2232472	0.101	Si
129	19.01	7.8	11.4	5.4	730230	SLV 13	1127439	1515703	0.114	4948	SLV 3	-358738	-2232472	0.101	Si
146	19.01	7.8	11.4	5.4	482133	SLV 13	896246	1515703	0.114	199959	SLV 3	-139307	-2232472	0.101	Si
163	19.01	7.8	11.4	5.4	452331	SLV 1	745953	1515703	0.114	152273	SLV 15	-328927	-2232472	0.101	Si
180	19.01	7.8	11.4	5.4	629667	SLV 1	904364	1515703	0.114	-126949	SLV 15	-630522	-2232472	0.101	Si
197	19.01	7.8	11.4	5.4	796106	SLV 1	1051012	1515703	0.114	-419666	SLV 15	-944726	-2232472	0.101	Si
206	19.01	7.8	11.4	5.4	874987	SLV 1	1119336	1515703	0.114	-570830	SLV 15	-1105173	-2232472	0.101	Si
223	19.01	7.8	11.4	5.4	1023927	SLV 1	1119336	1515703	0.114	-882614	SLV 15	-1105173	-2232472	0.101	Si
235	19.01	7.8	11.4	5.4	1119336	SLV 1	1119336	1515703	0.114	-1105173	SLV 15	-1105173	-2232472	0.101	Si
240	19.01	7.8	11.4	5.4	1160993	SLV 1	1156517	1515703	0.114	-1206881	SLV 15	-1194883	-2232472	0.101	Si
258	19.01	7.8	11.4	5.4	1286097	SLV 1	1208311	1515703	0.114	-1543534	SLV 15	-1319850	-2232472	0.101	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	7.8	11.4	5.4	1095486	SLD 15	1075187	1515703	0.114	-740194	SLD 1	-627414	-2232472	0.101	Si
17	19.01	7.8	11.4	5.4	1058436	SLD 15	1057097	1515703	0.114	-573140	SLD 1	-567283	-2232472	0.101	Si
23	19.01	7.8	11.4	5.4	1044111	SLD 15	1044111	1515703	0.114	-524116	SLD 1	-524116	-2232472	0.101	Si
34	19.01	7.8	11.4	5.4	1009317	SLD 15	1044111	1515703	0.114	-418438	SLD 1	-524116	-2232472	0.101	Si
52	19.01	7.8	11.4	5.4	948194	SLD 15	1044111	1515703	0.114	-276150	SLD 1	-524116	-2232472	0.101	Si
69	19.01	7.8	11.4	5.4	875164	SLD 15	991494	1515703	0.114	-146372	SLD 1	-373858	-2232472	0.101	Si
77	19.01	7.8	11.4	5.4	834227	SLD 15	960593	1515703	0.114	-86216	SLD 1	-303066	-2232472	0.101	Si
94	19.01	7.8	11.4	5.4	743618	SLD 13	889861	1515703	0.114	24524	SLD 3	-170863	-2232472	0.101	Si
112	19.01	7.8	11.4	5.4	641516	SLD 13	807334	1515703	0.114	122348	SLD 3	-51280	-2232472	0.101	Si
129	19.01	7.8	11.4	5.4	528064	SLD 13	713187	1515703	0.114						Si
146	19.01	7.8	11.4	5.4	403473	SLD 13	607597	1515703	0.114						Si
163	19.01	7.8	11.4	5.4	368678	SLD 1	490691	1515703	0.114	235925	SLD 15	-29305	-2232472	0.101	Si
180	19.01	7.8	11.4	5.4	418757	SLD 1	476522	1515703	0.114	83961	SLD 15	-202681	-2232472	0.101	Si
197	19.01	7.8	11.4	5.4	457213	SLD 1	494714	1515703	0.114	-80773	SLD 15	-388428	-2232472	0.101	Si
206	19.01	7.8	11.4	5.4	471972	SLD 1	499271	1515703	0.114	-167815	SLD 15	-485109	-2232472	0.101	Si
223	19.01	7.8	11.4	5.4	492492	SLD 1	499271	1515703	0.114	-351179	SLD 15	-485109	-2232472	0.101	Si
235	19.01	7.8	11.4	5.4	499271	SLD 1	499271	1515703	0.114	-485109	SLD 15	-485109	-2232472	0.101	Si
240	19.01	7.8	11.4	5.4	500968	SLD 1	500968	1515703	0.114	-546856	SLD 15	-539450	-2232472	0.101	Si
258	19.01	7.8	11.4	5.4	497363	SLD 1	497363	1515703	0.114	-754800	SLD 15	-615147	-2232472	0.101	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	6800	SLU 29	6800	10922	76908	0	10922	1	Si
17	0	11.4	0	5717	SLU 29	5717	10922	76908	0	10922	1	Si
23	0.187	11.4	0	5381	SLU 29	5381	10922	76908	21675	21675	1	Si
34	0.187	11.4	0	4635	SLU 29	4635	10922	76908	21675	21675	1	Si
52	0.187	11.4	0	3552	SLU 29	3552	10922	76908	21675	21675	1	Si
69	0.187	11.4	0	2470	SLU 29	2470	10922	76908	21675	21675	1	Si
77	0.187	11.4	0	1929	SLU 29	1929	10922	76908	21675	21675	1	Si
94	0.18	11.4	0	969	SLU 11	969	10922	76908	20927	20927	1	Si
94	0.18	11.4	0	-490	SLU 26	-490	-10922	-76908	-20927	-20927	1	Si
112	0.18	11.4	0	37	SLU 11	37	10922	76908	20927	20927	1	Si
112	0.18	11.4	0	-1216	SLU 26	-1216	-10922	-76908	-20927	-20927	1	Si
129	0.18	11.4	0	-1943	SLU 26	-1943	-10922	-76908	-20927	-20927	1	Si
146	0.18	11.4	0	-2715	SLU 35	-2715	-10922	-76908	-20927	-20927	1	Si
163	0.18	11.4	0	-3583	SLU 36	-3583	-10922	-76908	-20927	-20927	1	Si
180	0.201	11.4	0	-4619	SLU 30	-4619	-10922	-76908	-23342	-23342	1	Si
197	0.201	11.4	0	-5700	SLU 30	-5700	-10922	-76908	-23342	-23342	1	Si
206	0.201	11.4	0	-6240	SLU 30	-6240	-10922	-76908	-23342	-23342	1	Si
223	0.201	11.4	0	-7320	SLU 30	-7320	-10922	-76908	-23342	-23342	1	Si
235	0.201	11.4	0	-8064	SLU 30	-8064	-10922	-76908	-23342	-23342	1	Si
240	0	11.4	0	-8399	SLU 30	-8399	-10922	-76908	0	-10922	1	Si
258	0	19.01	0	-9478	SLU 30	-9478	-12713	-74051	0	-12713	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	17638	SLV 1	21147	12713	74051	0	12713	1	Si
0	0	11.4	0	-9353	SLV 15	-12862	-10922	-76908	0	-10922	1	Si
17	0	19.01	0	16927	SLV 1	20435	12713	74051	0	12713	1	Si
17	0	11.4	0	-10065	SLV 15	-13574	-10922	-76908	0	-10922	1	Si
23	0.187	19.01	0	16706	SLV 1	20214	12713	74051	20869	20869	1	Si
23	0.187	11.4	0	-10286	SLV 15	-13795	-10922	-76908	-21675	-21675	1	Si
34	0.187	19.01	0	16215	SLV 1	19724	12713	74051	20869	20869	1	Si
34	0.187	11.4	0	-10776	SLV 15	-14285	-10922	-76908	-21675	-21675	1	Si
52	0.187	19.01	0	15504	SLV 1	19013	12713	74051	20869	20869	1	Si
52	0.187	11.4	0	-11487	SLV 15	-14996	-10922	-76908	-21675	-21675	1	Si
69	0.187	19.01	0	14793	SLV 1	18302	12713	74051	20869	20869	1	Si
69	0.187	11.4	0	-12198	SLV 15	-15707	-10922	-76908	-21675	-21675	1	Si
77	0.187	19.01	0	14437	SLV 1	17946	12713	74051	20869	20869	1	Si
77	0.187	11.4	0	-12554	SLV 15	-16063	-10922	-76908	-21675	-21675	1	Si
94	0.18	19.01	0	13726	SLV 1	17235	12713	74051	20150	20150	1	Si
94	0.18	11.4	0	-13265	SLV 15	-16774	-10922	-76908	-20927	-20927	1	Si
112	0.18	19.01	0	13016	SLV 1	16524	12713	74051	20150	20150	1	Si
112	0.18	11.4	0	-13976	SLV 15	-17485	-10922	-76908	-20927	-20927	1	Si
129	0.18	11.4	0	12305	SLV 1	15814	10922	76908	20927	20927	1	Si
129	0.18	11.4	0	-14687	SLV 15	-18195	-10922	-76908	-20927	-20927	1	Si
146	0.18	11.4	0	11594	SLV 1	15103	10922	76908	20927	20927	1	Si
146	0.18	11.4	0	-15397	SLV 15	-18906	-10922	-76908	-20927	-20927	1	Si
163	0.18	11.4	0	10883	SLV 1	14392	10922	76908	20927	20927	1	Si
163	0.18	11.4	0	-16108	SLV 15	-19617	-10922	-76908	-20927	-20927	1	Si
180	0.201	11.4	0	10173	SLV 1	13682	10922	76908	23342	23342	1	Si
180	0.201	19.01	0	-16818	SLV 15	-20327	-12713	-74051	-22475	-22475	1	Si
197	0.201	11.4	0	9463	SLV 1	12971	10922	76908	23342	23342	1	Si
197	0.201	19.01	0	-17529	SLV 15	-21038	-12713	-74051	-22475	-22475	1	Si
206	0.201	11.4	0	9108	SLV 1	12616	10922	76908	23342	23342	1	Si
206	0.201	19.01	0	-17884	SLV 15	-21393	-12713	-74051	-22475	-22475	1	Si
223	0.201	11.4	0	8398	SLV 1	11907	10922	76908	23342	23342	1	Si
223	0.201	19.01	0	-18593	SLV 15	-22102	-12713	-74051	-22475	-22475	1	Si
235	0.201	11.4	0	7909	SLV 1	11418	10922	76908	23342	23342	1	Si
235	0.201	19.01	0	-19082	SLV 15	-22591	-12713	-74051	-22475	-22475	1	No
240	0	11.4	0	7689	SLV 1	11197	10922	76908	0	10922	1	Si
240	0	19.01	0	-19303	SLV 15	-22812	-12713	-74051	0	-12713	1	Si
258	0	11.4	0	6979	SLV 1	10488	10922	76908	0	10922	1	Si
258	0	19.01	0	-20012	SLV 15	-23521	-12713	-74051	0	-12713	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	10114	SLD 1	10114	12713	74051	0	12713	1	Si
0	0	11.4	0	-1830	SLD 15	-1830	-10922	-76908	0	-10922	1	Si
17	0	19.01	0	9403	SLD 1	9403	12713	74051	0	12713	1	Si
17	0	11.4	0	-2541	SLD 15	-2541	-10922	-76908	0	-10922	1	Si
23	0.187	19.01	0	9182	SLD 1	9182	12713	74051	20869	20869	1	Si
23	0.187	11.4	0	-2762	SLD 15	-2762	-10922	-76908	-21675	-21675	1	Si
34	0.187	19.01	0	8692	SLD 1	8692	12713	74051	20869	20869	1	Si
34	0.187	11.4	0	-3253	SLD 15	-3253	-10922	-76908	-21675	-21675	1	Si
52	0.187	19.01	0	7981	SLD 1	7981	12713	74051	20869	20869	1	Si
52	0.187	11.4	0	-3964	SLD 15	-3964	-10922	-76908	-21675	-21675	1	Si
69	0.187	19.01	0	7270	SLD 1	7270	12713	74051	20869	20869	1	Si
69	0.187	11.4	0	-4675	SLD 15	-4675	-10922	-76908	-21675	-21675	1	Si
77	0.187	19.01	0	6914	SLD 1	6914	12713	74051	20869	20869	1	Si
77	0.187	11.4	0	-5030	SLD 15	-5030	-10922	-76908	-21675	-21675	1	Si
94	0.18	11.4	0	6203	SLD 1	6203	10922	76908	20927	20927	1	Si
94	0.18	11.4	0	-5741	SLD 15	-5741	-10922	-76908	-20927	-20927	1	Si
112	0.18	11.4	0	5492	SLD 1	5492	10922	76908	20927	20927	1	Si
112	0.18	11.4	0	-6452	SLD 15	-6452	-10922	-76908	-20927	-20927	1	Si
129	0.18	11.4	0	4781	SLD 1	4781	10922	76908	20927	20927	1	Si
129	0.18	11.4	0	-7163	SLD 15	-7163	-10922	-76908	-20927	-20927	1	Si
146	0.18	11.4	0	4071	SLD 1	4071	10922	76908	20927	20927	1	Si
146	0.18	11.4	0	-7874	SLD 15	-7874	-10922	-76908	-20927	-20927	1	Si
163	0.18	11.4	0	3360	SLD 1	3360	10922	76908	20927	20927	1	Si
163	0.18	11.4	0	-8584	SLD 15	-8584	-10922	-76908	-20927	-20927	1	Si
180	0.201	11.4	0	2649	SLD 1	2649	10922	76908	23342	23342	1	Si
180	0.201	11.4	0	-9295	SLD 15	-9295	-10922	-76908	-23342	-23342	1	Si
197	0.201	11.4	0	1939	SLD 1	1939	10922	76908	23342	23342	1	Si
197	0.201	19.01	0	-10005	SLD 15	-10005	-12713	-74051	-22475	-22475	1	Si
206	0.201	11.4	0	1584	SLD 1	1584	10922	76908	23342	23342	1	Si
206	0.201	19.01	0	-10360	SLD 15	-10360	-12713	-74051	-22475	-22475	1	Si
223	0.201	11.4	0	874	SLD 1	874	10922	76908	23342	23342	1	Si
223	0.201	19.01	0	-11070	SLD 15	-11070	-12713	-74051	-22475	-22475	1	Si
235	0.201	11.4	0	385	SLD 1	385	10922	76908	23342	23342	1	Si
235	0.201	19.01	0	-11559	SLD 15	-11559	-12713	-74051	-22475	-22475	1	Si
240	0	11.4	0	165	SLD 1	165	10922	76908	0	10922	1	Si
240	0	19.01	0	-11779	SLD 15	-11779	-12713	-74051	0	-12713	1	Si
258	0	19.01	0	-12488	SLD 15	-12488	-12713	-74051	0	-12713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	224515	8	224515	7.5	124.5	335.7	1837	206614	1	206614	6.9	93.4	0	+∞	Si
17	270825	8	270825	9	124.5	405	1837	254481	1	254481	8.5	93.4	0	+∞	Si
23	282831	8	352129	11.7	124.5	526.5	1837	266970	1	336150	11.2	93.4	0	+∞	Si
34	310780	9	376157	12.5	124.5	562.5	1837	295440	2	356632	11.9	93.4	0	+∞	Si
52	351999	9	401934	13.4	124.5	601	1837	336022	2	376542	12.5	93.4	0	+∞	Si
69	385900	3	414181	13.8	124.5	619.3	1837	364396	2	384247	12.8	93.4	0	+∞	Si
77	398405	3	415627	13.8	124.5	621.5	1837	374006	2	384527	12.8	93.4	0	+∞	Si
94	413269	3	415627	13.8	124.5	621.5	1837	384071	2	384527	12.8	93.4	0	+∞	Si
112	414604	3	415627	13.8	124.5	621.5	1837	381932	2	384527	12.8	93.4	0	+∞	Si
129	402411	3	415627	13.8	124.5	621.5	1837	367589	2	384527	12.8	93.4	0	+∞	Si
146	376693	3	411902	13.7	124.5	615.9	1837	341046	2	378470	12.6	93.4	0	+∞	Si
163	338008	2	395563	13.2	124.5	591.5	1837	302302	2	360386	12	93.4	0	+∞	Si
180	285904	2	365796	12.2	124.5	547	1837	251359	2	330102	11	93.4	0	+∞	Si
197	220282	2	323069	10.8	124.5	483.1	1837	188220	2	287618	9.6	93.4	0	+∞	Si
206	182403	2	296635	9.9	124.5	443.6	1837	152078	2	261801	8.7	93.4	0	+∞	Si
223	96516	2	233626	7.8	124.5	349.3	1837	70657	2	201020	6.7	93.4	0	+∞	Si
235	29056	2	182712	6.1	124.5	273.2	1837	7081	2	152373	5.1	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
235	-32527	4	-32527	1	124.5	32.4	1837	-25881	1	-25881	0.8	93.4	0	+∞	Si
240	-60114	4	-56675	1.7	124.5	56.5	1837	-53057	1	-49667	1.5	93.4	0	+∞	Si
258	-156557	4	-90312	2.8	124.5	90.1	1837	-148180	1	-82801	2.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
23	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
34	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.006	2	9999	Si
52	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.009	2	9999	Si
69	0.007	0.006	0.005	0.004	0.006	0.006	0.005	0.004	0.006	0.006	0.012	2	0.011	2	9999	Si
77	0.007	0.006	0.006	0.005	0.007	0.006	0.005	0.005	0.007	0.006	0.013	2	0.011	2	9999	Si
94	0.008	0.006	0.006	0.005	0.008	0.006	0.006	0.005	0.007	0.006	0.014	2	0.012	2	9999	Si
112	0.008	0.007	0.007	0.005	0.008	0.007	0.006	0.005	0.008	0.007	0.015	2	0.013	2	9999	Si
120	0.009	0.007	0.007	0.005	0.008	0.007	0.006	0.005	0.008	0.007	0.015	2	0.013	2	9999	Si
129	0.008	0.007	0.007	0.005	0.008	0.007	0.006	0.005	0.008	0.007	0.015	2	0.013	2	9999	Si
146	0.008	0.006	0.006	0.005	0.008	0.006	0.006	0.005	0.007	0.006	0.014	2	0.012	2	9999	Si
163	0.008	0.006	0.006	0.005	0.007	0.006	0.005	0.005	0.007	0.006	0.013	2	0.011	2	9999	Si
180	0.007	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.011	2	0.01	2	9999	Si
197	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.009	2	0.008	2	9999	Si
206	0.005	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.007	2	9999	Si
223	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.004	2	9999	Si
235	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
240	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3210	17005	20869	SLV 1	0.38	780	1.038	259998	1771884	1515703	SLV 15	0.26	323	0.723	No
34	2720	17005	20869	SLV 1	0.39	834	1.067	259998	1771884	1515703	SLV 15	0.26	323	0.723	No
52	2008	17005	20869	SLV 1	0.4	916	1.109	259998	1771884	1515703	SLV 15	0.26	323	0.723	No
69	1297	17005	20869	SLV 1	0.42	1005	1.152	308818	1542662	1515703	SLV 15	0.29	400	0.789	No
77	942	17005	20869	SLV 1	0.42	1054	1.174	328764	1427764	1515703	SLV 15	0.3	457	0.834	No
94	231	17005	20150	SLV 1	0.42	1053	1.174	359499	1198476	1515703	SLV 15	0.35	652	0.965	No
112	-480	-17005	-20927	SLV 15	0.43	1128	1.208	378027	970121	1515703	SLV 15	0.42	1056	1.175	Si
129	-1191	-17005	-20927	SLV 15	0.42	1028	1.163	384350	743088	1515703	SLV 13	0.54	2116	1.563	Si
146	-1902	-17005	-20927	SLV 15	0.41	936	1.119	378470	517776	1515703	SLV 13	0.57	2474	1.666	Si
163	-2612	-17005	-20927	SLV 15	0.39	853	1.077	208513	537440	1515703	SLV 1	0.57	2474	1.666	Si
180	-3323	-17005	-22475	SLV 15	0.41	951	1.126	136921	767443	1515703	SLV 1	0.57	2474	1.666	Si
197	-4033	-17005	-22475	SLV 15	0.39	867	1.084	53143	997869	1515703	SLV 1	0.52	1911	1.499	Si
206	-4388	-17005	-22475	SLV 15	0.39	827	1.063	7081	1112254	1515703	SLV 1	0.49	1553	1.377	Si
223	-5098	-17005	-22475	SLV 15	0.37	750	1.022	7081	1112254	1515703	SLV 1	0.49	1553	1.377	Si
235	-5587	-17005	-22475	SLV 15	0.36	700	0.993	7081	1112254	1515703	SLV 1	0.49	1553	1.377	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3210	5972	20869	SLD 1	0.4	888	2.755	259998	784113	1515703	SLD 15	0.22	219	1.552	Si
34	2720	5972	20869	SLD 1	0.41	949	2.831	259998	784113	1515703	SLD 15	0.22	219	1.552	Si
52	2008	5972	20869	SLD 1	0.42	1050	2.951	259998	784113	1515703	SLD 15	0.22	219	1.552	Si
69	1297	5972	20869	SLD 1	0.44	1160	3.074	308818	682676	1515703	SLD 15	0.24	272	1.696	Si
77	942	5972	20869	SLD 1	0.45	1217	3.135	328764	631830	1515703	SLD 15	0.26	310	1.789	Si
94	231	5972	20927	SLD 1	0.46	1345	3.266	359499	530362	1515703	SLD 15	0.3	430	2.046	Si
112	-480	-5972	-20927	SLD 15	0.46	1303	3.224	378027	429307	1515703	SLD 15	0.36	680	2.469	Si
129	-1191	-5972	-20927	SLD 15	0.44	1187	3.103	384350	328837	1515703	SLD 13	0.46	1319	3.24	Si
146	-1902	-5972	-20927	SLD 15	0.43	1076	2.98	378470	229128	1515703	SLD 13	0.6	2474	4.193	Si
163	-2612	-5972	-20927	SLD 15	0.41	971	2.857	208513	237818	1515703	SLD 1	0.6	2474	4.193	Si
180	-3323	-5972	-23342	SLD 15	0.45	1232	3.15	136921	339601	1515703	SLD 1	0.54	2053	3.884	Si
197	-4033	-5972	-22475	SLD 15	0.41	988	2.878	53143	441571	1515703	SLD 1	0.44	1194	3.11	Si
206	-4388	-5972	-22475	SLD 15	0.41	941	2.821	7081	492190	1515703	SLD 1	0.41	970	2.856	Si
223	-5098	-5972	-22475	SLD 15	0.39	853	2.71	7081	492190	1515703	SLD 1	0.41	970	2.856	Si
235	-5587	-5972	-22475	SLD 15	0.38	796	2.634	7081	492190	1515703	SLD 1	0.41	970	2.856	Si

Campata 3 tra i fili 73A - 73B, sezione R 45x70, asta 954

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	7.8	11.4	5.4	91252	SLU 12	91252	1515703	0.114	-38702	SLU 19	-8842	-2232472	0.101	Si
14	19.01	7.8	11.4	5.4	137170	SLU 11	137170	1515703	0.114						Si
23	19.01	7.8	11.4	5.4	159854	SLU 11	213628	1515703	0.114						Si
28	19.01	7.8	11.4	5.4	172815	SLU 11	219074	1515703	0.114						Si
42	19.01	7.8	11.4	5.4	200255	SLU 29	224215	1515703	0.114						Si
56	19.01	7.8	11.4	5.4	218394	SLU 29	224215	1515703	0.114						Si
63	19.01	7.8	11.4	5.4	222844	SLU 29	224215	1515703	0.114						Si
77	19.01	7.8	11.4	5.4	222506	SLU 29	224215	1515703	0.114						Si
91	19.01	7.8	11.4	5.4	209850	SLU 29	224215	1515703	0.114						Si
105	19.01	7.8	11.4	5.4	184877	SLU 29	222767	1515703	0.114	43005	SLU 4	-9862	-2232472	0.101	Si
119	19.01	7.8	11.4	5.4	147585	SLU 29	211053	1515703	0.114	23369	SLU 4	-50687	-2232472	0.101	Si
133	19.01	7.8	11.4	5.4	102090	SLU 11	187021	1515703	0.114	-6949	SLU 22	-100120	-2232472	0.101	Si
147	19.01	7.8	11.4	5.4	47585	SLU 11	150670	1515703	0.114	-47141	SLU 22	-164439	-2232472	0.101	Si
161	19.01	7.8	11.4	5.4	-17526	SLU 11	105648	1515703	0.114	-95848	SLU 26	-225834	-2232472	0.101	Si
168	19.01	7.8	11.4	5.4	-52968	SLU 2	80126	1515703	0.114	-124888	SLU 35	-225834	-2232472	0.101	Si
182	19.01	7.8	11.4	5.4	-125826	SLU 2	21129	1515703	0.114	-195160	SLU 35	-225834	-2232472	0.101	Si
188	19.01	7.8	11.4	5.4						-225834	SLU 36	-225834	-2232472	0.101	Si
196	19.01	7.8	11.4	5.4						-286914	SLU 36	-273876	-2232472	0.101	Si
210	19.01	7.8	11.4	5.4						-401116	SLU 30	-304227	-2232472	0.101	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	7.8	11.4	5.4	1554289	SLV 13	1378329	1515703	0.114	-1513927	SLV 3	-1272848	-2232472	0.101	Si
14	19.01	7.8	11.4	5.4	1342817	SLV 13	1313357	1515703	0.114	-1229091	SLV 3	-1190630	-2232472	0.101	Si
23	19.01	7.8	11.4	5.4	1210513	SLV 13	1210513	1515703	0.114	-1060485	SLV 3	-1060485	-2232472	0.101	Si
28	19.01	7.8	11.4	5.4	1123667	SLV 13	1210513	1515703	0.114	-952770	SLV 3	-1060485	-2232472	0.101	Si
42	19.01	7.8	11.4	5.4	896906	SLV 13	1210513	1515703	0.114	-685031	SLV 3	-1060485	-2232472	0.101	Si
56	19.01	7.8	11.4	5.4	662665	SLV 13	1140562	1515703	0.114	-426005	SLV 3	-973725	-2232472	0.101	Si
63	19.01	7.8	11.4	5.4	563093	SLV 9	1028418	1515703	0.114	-320114	SLV 7	-838450	-2232472	0.101	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
77	19.01	7.8	11.4	5.4	484792	SLV 9	798468	1515703	0.114	-241318	SLV 7	-574380	-2232472	0.101	Si
91	19.01	7.8	11.4	5.4	501654	SLV 5	851087	1515703	0.114	-273879	SLV 11	-707889	-2232472	0.101	Si
105	19.01	7.8	11.4	5.4	615004	SLV 1	1062887	1515703	0.114	-419119	SLV 15	-985204	-2232472	0.101	Si
119	19.01	7.8	11.4	5.4	834714	SLV 1	1267231	1515703	0.114	-686913	SLV 15	-1271256	-2232472	0.101	Si
133	19.01	7.8	11.4	5.4	1047083	SLV 1	1464071	1515703	0.114	-963559	SLV 15	-1565996	-2232472	0.101	Si
147	19.01	7.8	11.4	5.4	1251999	SLV 1	1653369	1515703	0.114	-1248945	SLV 15	-1869388	-2232472	0.101	No
161	19.01	7.8	11.4	5.4	1449415	SLV 1	1802262	1515703	0.114	-1543024	SLV 15	-2123517	-2232472	0.101	No
168	19.01	7.8	11.4	5.4	1545298	SLV 1	1802262	1515703	0.114	-1693311	SLV 15	-2123517	-2232472	0.101	No
182	19.01	7.8	11.4	5.4	1731391	SLV 1	1802262	1515703	0.114	-2000357	SLV 15	-2123517	-2232472	0.101	No
188	19.01	7.8	11.4	5.4	1802262	SLV 1	1802262	1515703	0.114	-2123517	SLV 15	-2123517	-2232472	0.101	No
196	19.01	7.8	11.4	5.4	1909887	SLV 1	1892984	1515703	0.114	-2315999	SLV 15	-2280923	-2232472	0.101	No
210	19.01	7.8	11.4	5.4	2080748	SLV 1	1950297	1515703	0.114	-2640198	SLV 15	-2380364	-2232472	0.101	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	7.8	11.4	5.4	699035	SLD 13	639322	1515703	0.114	-658672	SLD 3	-533842	-2232472	0.101	Si
14	19.01	7.8	11.4	5.4	625907	SLD 13	615379	1515703	0.114	-512181	SLD 3	-492652	-2232472	0.101	Si
23	19.01	7.8	11.4	5.4	577480	SLD 13	577480	1515703	0.114	-427453	SLD 3	-427453	-2232472	0.101	Si
28	19.01	7.8	11.4	5.4	544867	SLD 13	577480	1515703	0.114	-373971	SLD 3	-427453	-2232472	0.101	Si
42	19.01	7.8	11.4	5.4	455946	SLD 13	577480	1515703	0.114	-244072	SLD 3	-427453	-2232472	0.101	Si
56	19.01	7.8	11.4	5.4	359202	SLD 13	551212	1515703	0.114	-122543	SLD 3	-384375	-2232472	0.101	Si
63	19.01	7.8	11.4	5.4	316912	SLD 9	508035	1515703	0.114	-73933	SLD 7	-318067	-2232472	0.101	Si
77	19.01	7.8	11.4	5.4	282401	SLD 9	415791	1515703	0.114	-38927	SLD 7	-191704	-2232472	0.101	Si
91	19.01	7.8	11.4	5.4	285489	SLD 5	416533	1515703	0.114	-57713	SLD 11	-273335	-2232472	0.101	Si
105	19.01	7.8	11.4	5.4	326751	SLD 1	491994	1515703	0.114	-130866	SLD 15	-414311	-2232472	0.101	Si
119	19.01	7.8	11.4	5.4	410571	SLD 1	559642	1515703	0.114	-262770	SLD 15	-563666	-2232472	0.101	Si
133	19.01	7.8	11.4	5.4	486629	SLD 1	619455	1515703	0.114	-403105	SLD 15	-721381	-2232472	0.101	Si
147	19.01	7.8	11.4	5.4	554875	SLD 1	671418	1515703	0.114	-551821	SLD 15	-887437	-2232472	0.101	Si
161	19.01	7.8	11.4	5.4	615288	SLD 1	707970	1515703	0.114	-708897	SLD 15	-1029224	-2232472	0.101	Si
168	19.01	7.8	11.4	5.4	642552	SLD 1	707970	1515703	0.114	-790565	SLD 15	-1029224	-2232472	0.101	Si
182	19.01	7.8	11.4	5.4	691184	SLD 1	707970	1515703	0.114	-960150	SLD 15	-1029224	-2232472	0.101	Si
188	19.01	7.8	11.4	5.4	707970	SLD 1	707970	1515703	0.114	-1029224	SLD 15	-1029224	-2232472	0.101	Si
196	19.01	7.8	11.4	5.4	731941	SLD 1	729527	1515703	0.114	-1138053	SLD 15	-1117465	-2232472	0.101	Si
210	19.01	7.8	11.4	5.4	764805	SLD 1	743145	1515703	0.114	-1324256	SLD 15	-1173212	-2232472	0.101	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	4375	SLU 29	4375	10922	76908	0	10922	1	Si
14	0	11.4	0	3495	SLU 29	3495	10922	76908	0	10922	1	Si
23	0.244	11.4	0	2961	SLU 29	2961	10922	76908	28293	28293	1	Si
28	0.244	11.4	0	2634	SLU 20	2634	10922	76908	28293	28293	1	Si
42	0.244	11.4	0	1808	SLU 20	1808	10922	76908	28293	28293	1	Si
56	0.244	11.4	0	982	SLU 20	982	10922	76908	28293	28293	1	Si
63	0.244	11.4	0	569	SLU 20	569	10922	76908	28293	28293	1	Si
63	0.244	11.4	0	-1	SLU 17	-1	-10922	-76908	-28293	-28293	1	Si
77	0.244	11.4	0	-600	SLU 18	-600	-10922	-76908	-28293	-28293	1	Si
91	0.244	11.4	0	-1389	SLU 36	-1389	-10922	-76908	-28293	-28293	1	Si
105	0.244	11.4	0	-2254	SLU 30	-2254	-10922	-76908	-28293	-28293	1	Si
119	0.244	11.4	0	-3134	SLU 30	-3134	-10922	-76908	-28293	-28293	1	Si
133	0.244	11.4	0	-4014	SLU 30	-4014	-10922	-76908	-28293	-28293	1	Si
147	0.244	11.4	0	-4894	SLU 30	-4894	-10922	-76908	-28293	-28293	1	Si
161	0.244	19.01	0	-5774	SLU 30	-5774	-12713	-74051	-27242	-27242	1	Si
168	0.244	19.01	0	-6214	SLU 30	-6214	-12713	-74051	-27242	-27242	1	Si
182	0.244	19.01	0	-7093	SLU 30	-7093	-12713	-74051	-27242	-27242	1	Si
188	0.244	19.01	0	-7439	SLU 30	-7439	-12713	-74051	-27242	-27242	1	Si
196	0	19.01	0	-7973	SLU 30	-7973	-12713	-74051	0	-12713	1	Si
210	0	19.01	0	-8853	SLU 30	-8853	-12713	-74051	0	-12713	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	20904	SLV 1	25583	12713	74051	0	12713	1	Si
0	0	11.4	0	-15085	SLV 15	-19764	-10922	-76908	0	-10922	1	Si
14	0	19.01	0	20326	SLV 1	25004	12713	74051	0	12713	1	Si
14	0	11.4	0	-15664	SLV 15	-20342	-10922	-76908	0	-10922	1	Si
23	0.244	19.01	0	19975	SLV 1	24653	12713	74051	27242	27242	1	Si
23	0.244	11.4	0	-16015	SLV 15	-20694	-10922	-76908	-28293	-28293	1	Si
28	0.244	19.01	0	19747	SLV 1	24426	12713	74051	27242	27242	1	Si
28	0.244	11.4	0	-16242	SLV 15	-20921	-10922	-76908	-28293	-28293	1	Si
42	0.244	19.01	0	19169	SLV 1	23848	12713	74051	27242	27242	1	Si
42	0.244	11.4	0	-16820	SLV 15	-21499	-10922	-76908	-28293	-28293	1	Si
56	0.244	19.01	0	18591	SLV 1	23269	12713	74051	27242	27242	1	Si
56	0.244	11.4	0	-17399	SLV 15	-22077	-10922	-76908	-28293	-28293	1	Si
63	0.244	19.01	0	18302	SLV 1	22980	12713	74051	27242	27242	1	Si
63	0.244	11.4	0	-17688	SLV 15	-22367	-10922	-76908	-28293	-28293	1	Si
77	0.244	11.4	0	17723	SLV 1	22402	10922	76908	28293	28293	1	Si
77	0.244	11.4	0	-18266	SLV 15	-22945	-10922	-76908	-28293	-28293	1	Si
91	0.244	11.4	0	17145	SLV 1	21824	10922	76908	28293	28293	1	Si
91	0.244	19.01	0	-18845	SLV 15	-23523	-12713	-74051	-27242	-27242	1	Si
105	0.244	11.4	0	16567	SLV 1	21245	10922	76908	28293	28293	1	Si
105	0.244	19.01	0	-19423	SLV 15	-24102	-12713	-74051	-27242	-27242	1	Si
119	0.244	11.4	0	15988	SLV 1	20667	10922	76908	28293	28293	1	Si
119	0.244	19.01	0	-20001	SLV 15	-24680	-12713	-74051	-27242	-27242	1	Si
133	0.244	11.4	0	15410	SLV 1	20089	10922	76908	28293	28293	1	Si
133	0.244	19.01	0	-20580	SLV 15	-25258	-12713	-74051	-27242	-27242	1	Si
147	0.244	11.4	0	14832	SLV 1	19510	10922	76908	28293	28293	1	Si
147	0.244	19.01	0	-21158	SLV 15	-25836	-12713	-74051	-27242	-27242	1	Si
161	0.244	11.4	0	14253	SLV 1	18932	10922	76908	28293	28293	1	Si
161	0.244	19.01	0	-21736	SLV 15	-26415	-12713	-74051	-27242	-27242	1	Si
168	0.244	11.4	0	13964	SLV 1	18643	10922	76908	28293	28293	1	Si
168	0.244	19.01	0	-22025	SLV 15	-26704	-12713	-74051	-27242	-27242	1	Si
182	0.244	11.4	0	13386	SLV 1	18064	10922	76908	28293	28293	1	Si
182	0.244	19.01	0	-22604	SLV 15	-27282	-12713	-74051	-27242	-27242	1	No
188	0.244	11.4	0	13159	SLV 1	17837	10922	76908	28293	28293	1	Si
188	0.244	19.01	0	-22831	SLV 15	-27509	-12713	-74051	-27242	-27242	1	No
196	0	11.4	0	12808	SLV 1	17486	10922	76908	0	10922	1	Si
196	0	19.01	0	-23182	SLV 15	-27861	-12713	-74051	0	-12713	1	Si
210	0	11.4	0	12229	SLV 1	16908	10922	76908	0	10922	1	Si
210	0	19.01	0	-23760	SLV 15	-28439	-12713	-74051	0	-12713	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	10872	SLD 1	10872	12713	74051	0	12713	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	-5054	SLD 15	-5054	-10922	-76908	0	-10922	1	Si
14	0	19.01	0	10294	SLD 1	10294	12713	74051	0	12713	1	Si
14	0	11.4	0	-5632	SLD 15	-5632	-10922	-76908	0	-10922	1	Si
23	0.244	19.01	0	9943	SLD 1	9943	12713	74051	27242	27242	1	Si
23	0.244	11.4	0	-5983	SLD 15	-5983	-10922	-76908	-28293	-28293	1	Si
28	0.244	19.01	0	9715	SLD 1	9715	12713	74051	27242	27242	1	Si
28	0.244	11.4	0	-6210	SLD 15	-6210	-10922	-76908	-28293	-28293	1	Si
42	0.244	19.01	0	9137	SLD 1	9137	12713	74051	27242	27242	1	Si
42	0.244	11.4	0	-6788	SLD 15	-6788	-10922	-76908	-28293	-28293	1	Si
56	0.244	19.01	0	8559	SLD 1	8559	12713	74051	27242	27242	1	Si
56	0.244	11.4	0	-7367	SLD 15	-7367	-10922	-76908	-28293	-28293	1	Si
63	0.244	11.4	0	8270	SLD 1	8270	10922	76908	28293	28293	1	Si
63	0.244	11.4	0	-7656	SLD 15	-7656	-10922	-76908	-28293	-28293	1	Si
77	0.244	11.4	0	7691	SLD 1	7691	10922	76908	28293	28293	1	Si
77	0.244	11.4	0	-8234	SLD 15	-8234	-10922	-76908	-28293	-28293	1	Si
91	0.244	11.4	0	7113	SLD 1	7113	10922	76908	28293	28293	1	Si
91	0.244	19.01	0	-8813	SLD 15	-8813	-12713	-74051	-27242	-27242	1	Si
105	0.244	11.4	0	6535	SLD 1	6535	10922	76908	28293	28293	1	Si
105	0.244	19.01	0	-9391	SLD 15	-9391	-12713	-74051	-27242	-27242	1	Si
119	0.244	11.4	0	5956	SLD 1	5956	10922	76908	28293	28293	1	Si
119	0.244	19.01	0	-9969	SLD 15	-9969	-12713	-74051	-27242	-27242	1	Si
133	0.244	11.4	0	5378	SLD 1	5378	10922	76908	28293	28293	1	Si
133	0.244	19.01	0	-10548	SLD 15	-10548	-12713	-74051	-27242	-27242	1	Si
147	0.244	11.4	0	4800	SLD 1	4800	10922	76908	28293	28293	1	Si
147	0.244	19.01	0	-11126	SLD 15	-11126	-12713	-74051	-27242	-27242	1	Si
161	0.244	11.4	0	4221	SLD 1	4221	10922	76908	28293	28293	1	Si
161	0.244	19.01	0	-11704	SLD 15	-11704	-12713	-74051	-27242	-27242	1	Si
168	0.244	11.4	0	3932	SLD 1	3932	10922	76908	28293	28293	1	Si
168	0.244	19.01	0	-11993	SLD 15	-11993	-12713	-74051	-27242	-27242	1	Si
182	0.244	11.4	0	3354	SLD 1	3354	10922	76908	28293	28293	1	Si
182	0.244	19.01	0	-12572	SLD 15	-12572	-12713	-74051	-27242	-27242	1	Si
188	0.244	11.4	0	3127	SLD 1	3127	10922	76908	28293	28293	1	Si
188	0.244	19.01	0	-12799	SLD 15	-12799	-12713	-74051	-27242	-27242	1	Si
196	0	11.4	0	2776	SLD 1	2776	10922	76908	0	10922	1	Si
196	0	19.01	0	-13150	SLD 15	-13150	-12713	-74051	0	-12713	1	Si
210	0	11.4	0	2197	SLD 1	2197	10922	76908	0	10922	1	Si
210	0	19.01	0	-13728	SLD 15	-13728	-12713	-74051	0	-12713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	39736	3	39736	1.3	124.5	59.4	1837	20181	2	20181	0.7	93.4	0	+∞	Si
0	-8819	1	-8819	0.3	124.5	8.8	1837	-8819	1	-8819	0.3	93.4	0	+∞	Si
14	80172	2	80172	2.7	124.5	119.9	1837	56863	2	56863	1.9	93.4	0	+∞	Si
23	100291	2	144672	4.8	124.5	216.3	1837	75014	2	115049	3.8	93.4	0	+∞	Si
28	111858	2	148845	5	124.5	222.6	1837	85448	2	118813	4	93.4	0	+∞	Si
42	134570	2	153076	5.1	124.5	228.9	1837	105937	2	122625	4.1	93.4	0	+∞	Si
56	148309	2	153076	5.1	124.5	228.9	1837	118330	2	122625	4.1	93.4	0	+∞	Si
63	151814	2	153076	5.1	124.5	228.9	1837	121489	2	122625	4.1	93.4	0	+∞	Si
77	152095	2	153076	5.1	124.5	228.9	1837	121737	2	122625	4.1	93.4	0	+∞	Si
91	143402	2	153076	5.1	124.5	228.9	1837	113888	2	122625	4.1	93.4	0	+∞	Si
105	125737	2	152245	5.1	124.5	227.6	1837	97942	2	121873	4.1	93.4	0	+∞	Si
119	99099	2	144238	4.8	124.5	215.7	1837	73900	2	114643	3.8	93.4	0	+∞	Si
133	63488	2	127259	4.2	124.5	190.3	1837	41762	2	99316	3.3	93.4	0	+∞	Si
147	18905	2	101306	3.4	124.5	151.5	1837	1527	2	75893	2.5	93.4	0	+∞	Si
147	-30060	4	-124045	3.8	124.5	123.7	1837	-24540	1	-116312	3.6	93.4	0	+∞	Si
161	-71280	8	-169527	5.2	124.5	169	1837	-65034	1	-160627	4.9	93.4	0	+∞	Si
168	-94761	8	-169527	5.2	124.5	169	1837	-87824	1	-160627	4.9	93.4	0	+∞	Si
182	-146810	8	-169527	5.2	124.5	169	1837	-138492	1	-160627	4.9	93.4	0	+∞	Si
188	-169527	9	-169527	5.2	124.5	169	1837	-160627	2	-160627	4.9	93.4	0	+∞	Si
196	-213941	9	-204450	6.3	124.5	203.9	1837	-203056	2	-193969	5.9	93.4	0	+∞	Si
210	-296798	3	-226514	6.9	124.5	225.9	1837	-279725	2	-215033	6.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
14	0	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
23	0.001	0	0.001	0	0.001	0	0	0	0.001	0	0.001	2	0	2	9999	Si
28	0.001	0	0.001	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si
42	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
56	0.002	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
63	0.002	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
77	0.002	0.001	0.001	0	0.002	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
84	0.002	0.001	0.001	0	0.002	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
91	0.002	0.001	0.001	0	0.002	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
105	0.002	0.001	0.001	0	0.002	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
119	0.002	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
133	0.001	0	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0	2	9999	Si
147	0.001	0	0.001	0	0.001	0	0	0	0.001	0	0.001	2	0	2	9999	Si
161	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0	2	9999	Si
168	0.001	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
182	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
188	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
196	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1980	22673	27242	SLV 1	0.4	926	1.114	75014	1135499	1515703	SLV 13	0.46	1301	1.28	Si
28	1753	22673	27242	SLV 1	0.41	947	1.124	75014	1135499	1515703	SLV 13	0.46	1301	1.28	Si
42	1174	22673	27242	SLV 1	0.42	1002	1.15	75014	1135499	1515703	SLV 13	0.46	1301	1.28	Si
56	596	22673	27242	SLV 1	0.42	1062	1.178	83418	1057144	1515703	SLV 13	0.49	1549	1.375	Si
63	307	22673	27242	SLV 1	0.43	1093	1.192	94984	933434	1515703	SLV 13	0.54	2114	1.562	Si
77	-271	-22673	-28293	SLV 15	0.45	1213	1.244	112044	686424	1515703	SLV 13	0.57	2474	1.666	Si
91	-850	-22673	-27242	SLV 15	0.42	1035	1.166	71599	779488	1515703	SLV 1	0.57	2474	1.666	Si
105	-1428	-22673	-27242	SLV 15	0.41	976	1.138	38842	1024046	1515703	SLV 1	0.52	1830	1.473	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
119	-2006	-22673	-27242	SLV 15	0.4	924	1.113	-2012	1269243	1515703	SLV 1	0.43	1112	1.201	Si
133	-2585	-22673	-27242	SLV 15	0.39	873	1.087	-50963	1515034	1515703	SLV 1	0.38	772	1.034	Si
147	-3163	-22673	-27242	SLV 15	0.39	824	1.062	-108010	1761379	1515703	SLV 1	0.34	584	0.922	No
161	-3741	-22673	-27242	SLV 15	0.38	776	1.036	-160627	1962890	1515703	SLV 1	0.31	486	0.855	No
168	-4031	-22673	-27242	SLV 15	0.37	753	1.023	-160627	1962890	1515703	SLV 1	0.31	486	0.855	No
182	-4609	-22673	-27242	SLV 15	0.36	708	0.998	-160627	1962890	1515703	SLV 1	0.31	486	0.855	No
188	-4836	-22673	-27242	SLV 15	0.36	691	0.988	-160627	1962890	1515703	SLV 1	0.31	486	0.855	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1980	7963	27242	SLD 1	0.42	1063	2.966	75014	502466	1515703	SLD 13	0.39	824	2.671	Si
28	1753	7963	27242	SLD 1	0.43	1090	2.996	75014	502466	1515703	SLD 13	0.39	824	2.671	Si
42	1174	7963	27242	SLD 1	0.44	1157	3.07	75014	502466	1515703	SLD 13	0.39	824	2.671	Si
56	596	7963	27242	SLD 1	0.45	1226	3.144	83418	467794	1515703	SLD 13	0.41	966	2.851	Si
63	307	7963	28293	SLD 1	0.47	1397	3.317	94984	413051	1515703	SLD 13	0.46	1318	3.239	Si
77	-271	-7963	-28293	SLD 15	0.47	1401	3.321	112044	303748	1515703	SLD 13	0.6	2474	4.193	Si
91	-850	-7963	-27242	SLD 15	0.44	1196	3.112	71599	344934	1515703	SLD 1	0.55	2229	4.017	Si
105	-1428	-7963	-27242	SLD 15	0.43	1128	3.039	38842	453153	1515703	SLD 1	0.44	1144	3.056	Si
119	-2006	-7963	-27242	SLD 15	0.42	1060	2.962	-2012	561654	1515703	SLD 1	0.36	713	2.518	Si
133	-2585	-7963	-27242	SLD 15	0.42	996	2.887	-50963	670418	1515703	SLD 1	0.32	503	2.182	Si
147	-3163	-7963	-27242	SLD 15	0.41	938	2.817	-108010	779427	1515703	SLD 1	0.28	389	1.964	Si
161	-3741	-7963	-27242	SLD 15	0.4	884	2.75	-160627	868597	1515703	SLD 1	0.26	330	1.836	Si
168	-4031	-7963	-27242	SLD 15	0.39	857	2.715	-160627	868597	1515703	SLD 1	0.26	330	1.836	Si
182	-4609	-7963	-27242	SLD 15	0.38	806	2.647	-160627	868597	1515703	SLD 1	0.26	330	1.836	Si
188	-4836	-7963	-27242	SLD 15	0.38	786	2.62	-160627	868597	1515703	SLD 1	0.26	330	1.836	Si

Campata 4 tra i fili 73B - 74, sezione R 45x70, asta 953

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	7.8	11.4	5.4						-210647	SLU 22	-193873	-2232472	0.101	Si
8	19.01	7.8	11.4	5.4						-200653	SLU 22	-193197	-2232472	0.101	Si
15	19.01	7.8	11.4	5.4						-193034	SLU 22	-191170	-2232472	0.101	Si
23	19.01	7.8	11.4	5.4						-187791	SLU 22	-228024	-2232472	0.101	Si
30	19.01	7.8	11.4	5.4						-186222	SLU 31	-254152	-2232472	0.101	Si
34	19.01	7.8	11.4	5.4						-188345	SLU 35	-268630	-2232472	0.101	Si
41	19.01	7.8	11.4	5.4						-200498	SLU 36	-300237	-2232472	0.101	Si
49	19.01	7.8	11.4	5.4						-219836	SLU 36	-335380	-2232472	0.101	Si
56	19.01	7.8	11.4	5.4						-243765	SLU 30	-372351	-2232472	0.101	Si
64	19.01	7.8	11.4	5.4						-272275	SLU 30	-372351	-2232472	0.101	Si
71	19.01	7.8	11.4	5.4						-304321	SLU 30	-372351	-2232472	0.101	Si
79	19.01	7.8	11.4	5.4						-339901	SLU 30	-372351	-2232472	0.101	Si
85	19.01	7.8	11.4	5.4						-372351	SLU 30	-372351	-2232472	0.101	Si
90	19.01	7.8	11.4	5.4						-399901	SLU 30	-396771	-2232472	0.101	Si
98	19.01	7.8	11.4	5.4						-444319	SLU 30	-424244	-2232472	0.101	Si
105	19.01	7.8	11.4	5.4						-492273	SLU 30	-440728	-2232472	0.101	Si
113	19.01	7.8	11.4	5.4						-543405	SLU 30	-446223	-2232472	0.101	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	7.8	11.4	5.4	690423	SLV 9	533829	1515703	0.114	-947769	SLV 7	-780930	-2232472	0.101	Si
8	19.01	7.8	11.4	5.4	559543	SLV 5	521631	1515703	0.114	-812383	SLV 11	-769918	-2232472	0.101	Si
15	19.01	7.8	11.4	5.4	490367	SLV 5	485038	1515703	0.114	-743348	SLV 11	-736881	-2232472	0.101	Si
23	19.01	7.8	11.4	5.4	481386	SLV 1	1154175	1515703	0.114	-739155	SLV 15	-1474525	-2232472	0.101	Si
30	19.01	7.8	11.4	5.4	639486	SLV 1	1332294	1515703	0.114	-906691	SLV 15	-1680093	-2232472	0.101	Si
34	19.01	7.8	11.4	5.4	719280	SLV 1	1478080	1515703	0.114	-992944	SLV 15	-1841345	-2232472	0.101	Si
41	19.01	7.8	11.4	5.4	885460	SLV 1	1695906	1515703	0.114	-1175530	SLV 15	-2093591	-2232472	0.101	No
49	19.01	7.8	11.4	5.4	1075556	SLV 1	1912550	1515703	0.114	-1386680	SLV 15	-2349301	-2232472	0.101	No
56	19.01	7.8	11.4	5.4	1287504	SLV 1	2118283	1515703	0.114	-1624329	SLV 15	-2596809	-2232472	0.101	No
64	19.01	7.8	11.4	5.4	1505112	SLV 3	2118283	1515703	0.114	-1872285	SLV 13	-2596809	-2232472	0.101	No
71	19.01	7.8	11.4	5.4	1722882	SLV 3	2118283	1515703	0.114	-2125050	SLV 13	-2596809	-2232472	0.101	No
79	19.01	7.8	11.4	5.4	1939339	SLV 3	2118283	1515703	0.114	-2381150	SLV 13	-2596809	-2232472	0.101	No
85	19.01	7.8	11.4	5.4	2118283	SLV 3	2118283	1515703	0.114	-2596809	SLV 13	-2596809	-2232472	0.101	No
90	19.01	7.8	11.4	5.4	2260535	SLV 3	2248493	1515703	0.114	-2770523	SLV 13	-2754800	-2232472	0.101	No
98	19.01	7.8	11.4	5.4	2472066	SLV 3	2394980	1515703	0.114	-3033315	SLV 13	-2932540	-2232472	0.101	No
105	19.01	7.8	11.4	5.4	2681416	SLV 3	2482871	1515703	0.114	-3298573	SLV 13	-3039184	-2232472	0.101	No
113	19.01	7.8	11.4	5.4	2888762	SLV 3	2512169	1515703	0.114	-3566028	SLV 13	-3074732	-2232472	0.101	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	7.8	11.4	5.4	233803	SLD 9	167358	1515703	0.114	-491149	SLD 7	-414460	-2232472	0.101	Si
8	19.01	7.8	11.4	5.4	177133	SLD 5	161630	1515703	0.114	-429973	SLD 11	-409917	-2232472	0.101	Si
15	19.01	7.8	11.4	5.4	146485	SLD 5	144445	1515703	0.114	-399466	SLD 11	-396287	-2232472	0.101	Si
23	19.01	7.8	11.4	5.4	141166	SLD 1	421457	1515703	0.114	-398935	SLD 15	-741808	-2232472	0.101	Si
30	19.01	7.8	11.4	5.4	208502	SLD 1	492631	1515703	0.114	-475706	SLD 15	-840430	-2232472	0.101	Si
34	19.01	7.8	11.4	5.4	242013	SLD 1	552835	1515703	0.114	-515677	SLD 15	-916101	-2232472	0.101	Si
41	19.01	7.8	11.4	5.4	310980	SLD 1	639638	1515703	0.114	-601051	SLD 15	-1037322	-2232472	0.101	Si
49	19.01	7.8	11.4	5.4	389237	SLD 1	724621	1515703	0.114	-700361	SLD 15	-1161372	-2232472	0.101	Si
56	19.01	7.8	11.4	5.4	475868	SLD 1	804022	1515703	0.114	-812693	SLD 15	-1282547	-2232472	0.101	Si
64	19.01	7.8	11.4	5.4	563709	SLD 3	804022	1515703	0.114	-930882	SLD 13	-1282547	-2232472	0.101	Si
71	19.01	7.8	11.4	5.4	650326	SLD 3	804022	1515703	0.114	-1052494	SLD 13	-1282547	-2232472	0.101	Si
79	19.01	7.8	11.4	5.4	735066	SLD 3	804022	1515703	0.114	-1176877	SLD 13	-1282547	-2232472	0.101	Si
85	19.01	7.8	11.4	5.4	804022	SLD 3	804022	1515703	0.114	-1282547	SLD 13	-1282547	-2232472	0.101	Si
90	19.01	7.8	11.4	5.4	858203	SLD 3	853901	1515703	0.114	-1368192	SLD 13	-1360207	-2232472	0.101	Si
98	19.01	7.8	11.4	5.4	937525	SLD 3	910015	1515703	0.114	-1498774	SLD 13	-1447575	-2232472	0.101	Si
105	19.01	7.8	11.4	5.4	1014586	SLD 3	943683	1515703	0.114	-1631744	SLD 13	-1499995	-2232472	0.101	Si
113	19.01	7.8	11.4	5.4	1089590	SLD 3	954906	1515703	0.114	-1766857	SLD 13	-1517469	-2232472	0.101	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	1491	SLU 19	1491	12713	74051	0	12713	1	Si
0	0	19.01	0	-521	SLU 12	-521	-12713	-74051	0	-12713	1	Si
8	0	19.01	0	1175	SLU 19	1175	12713	74051	0	12713	1	Si
8	0	19.01	0	-927	SLU 12	-927	-12713	-74051	0	-12713	1	Si
15	0	19.01	0	858	SLU 19	858	12713	74051	0	12713	1	Si
15	0	19.01	0	-1333	SLU 12	-1333	-12713	-74051	0	-12713	1	Si
23	0.386	19.01	0	541	SLU 19	541	12713	74051	43151	43151	1	Si
23	0.386	19.01	0	-1739	SLU 12	-1739	-12713	-74051	-43151	-43151	1	Si
30	0.386	19.01	0	224	SLU 19	224	12713	74051	43151	43151	1	Si
30	0.386	19.01	0	-2145	SLU 12	-2145	-12713	-74051	-43151	-43151	1	Si
34	0.386	19.01	0	66	SLU 19	66	12713	74051	43151	43151	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
34	0.386	19.01	0	-2348	SLU 12	-2348	-12713	-74051	-43151	-43151	1	Si
41	0.386	19.01	0	-2754	SLU 12	-2754	-12713	-74051	-43151	-43151	1	Si
49	0.386	19.01	0	-3159	SLU 12	-3159	-12713	-74051	-43151	-43151	1	Si
56	0.386	19.01	0	-3566	SLU 30	-3566	-12713	-74051	-43151	-43151	1	Si
64	0.386	19.01	0	-4037	SLU 30	-4037	-12713	-74051	-43151	-43151	1	Si
71	0.386	19.01	0	-4508	SLU 30	-4508	-12713	-74051	-43151	-43151	1	Si
79	0.386	19.01	0	-4980	SLU 30	-4980	-12713	-74051	-43151	-43151	1	Si
85	0.386	19.01	0	-5373	SLU 30	-5373	-12713	-74051	-43151	-43151	1	Si
90	0	19.01	0	-5687	SLU 30	-5687	-12713	-74051	0	-12713	1	Si
98	0	19.01	0	-6158	SLU 30	-6158	-12713	-74051	0	-12713	1	Si
105	0	19.01	0	-6629	SLU 30	-6629	-12713	-74051	0	-12713	1	Si
113	0	19.01	0	-6958	SLU 30	-6958	-12713	-74051	0	-12713	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	32157	SLV 3	40400	12713	74051	0	12713	1	Si
0	0	11.4	0	-31247	SLV 13	-39489	-10922	-76908	0	-10922	1	Si
8	0	19.01	0	31848	SLV 3	40090	12713	74051	0	12713	1	Si
8	0	19.01	0	-31557	SLV 13	-39799	-12713	-74051	0	-12713	1	Si
15	0	11.4	0	31538	SLV 3	39780	10922	76908	0	10922	1	Si
15	0	19.01	0	-31866	SLV 13	-40109	-12713	-74051	0	-12713	1	Si
23	0.386	11.4	0	31228	SLV 3	39471	10922	76908	44816	44816	1	Si
23	0.386	19.01	0	-32176	SLV 13	-40419	-12713	-74051	-43151	-43151	1	Si
30	0.386	11.4	0	30918	SLV 3	39161	10922	76908	44816	44816	1	Si
30	0.386	19.01	0	-32486	SLV 13	-40729	-12713	-74051	-43151	-43151	1	Si
34	0.386	11.4	0	30763	SLV 3	39006	10922	76908	44816	44816	1	Si
34	0.386	19.01	0	-32641	SLV 13	-40883	-12713	-74051	-43151	-43151	1	Si
41	0.386	11.4	0	30453	SLV 3	38696	10922	76908	44816	44816	1	Si
41	0.386	19.01	0	-32951	SLV 13	-41193	-12713	-74051	-43151	-43151	1	Si
49	0.386	11.4	0	30144	SLV 3	38386	10922	76908	44816	44816	1	Si
49	0.386	19.01	0	-33261	SLV 13	-41503	-12713	-74051	-43151	-43151	1	Si
56	0.386	11.4	0	29834	SLV 3	38076	10922	76908	44816	44816	1	Si
56	0.386	19.01	0	-33570	SLV 13	-41813	-12713	-74051	-43151	-43151	1	Si
64	0.386	11.4	0	29524	SLV 3	37767	10922	76908	44816	44816	1	Si
64	0.386	19.01	0	-33880	SLV 13	-42123	-12713	-74051	-43151	-43151	1	Si
71	0.386	11.4	0	29214	SLV 3	37457	10922	76908	44816	44816	1	Si
71	0.386	19.01	0	-34190	SLV 13	-42433	-12713	-74051	-43151	-43151	1	Si
79	0.386	11.4	0	28904	SLV 3	37147	10922	76908	44816	44816	1	Si
79	0.386	19.01	0	-34500	SLV 13	-42742	-12713	-74051	-43151	-43151	1	Si
85	0.386	11.4	0	28646	SLV 3	36889	10922	76908	44816	44816	1	Si
85	0.386	19.01	0	-34758	SLV 13	-43001	-12713	-74051	-43151	-43151	1	Si
90	0	11.4	0	28440	SLV 3	36682	10922	76908	0	10922	1	Si
90	0	19.01	0	-34965	SLV 13	-43207	-12713	-74051	0	-12713	1	Si
98	0	11.4	0	28130	SLV 3	36372	10922	76908	0	10922	1	Si
98	0	19.01	0	-35274	SLV 13	-43517	-12713	-74051	0	-12713	1	Si
105	0	11.4	0	27820	SLV 3	36063	10922	76908	0	10922	1	Si
105	0	19.01	0	-35584	SLV 13	-43827	-12713	-74051	0	-12713	1	Si
113	0	11.4	0	27600	SLV 3	35842	10922	76908	0	10922	1	Si
113	0	19.01	0	-35805	SLV 13	-44047	-12713	-74051	0	-12713	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	14485	SLD 3	14485	12713	74051	0	12713	1	Si
0	0	11.4	0	-13574	SLD 13	-13574	-10922	-76908	0	-10922	1	Si
8	0	19.01	0	14175	SLD 3	14175	12713	74051	0	12713	1	Si
8	0	19.01	0	-13884	SLD 13	-13884	-12713	-74051	0	-12713	1	Si
15	0	19.01	0	13865	SLD 3	13865	12713	74051	0	12713	1	Si
15	0	19.01	0	-14194	SLD 13	-14194	-12713	-74051	0	-12713	1	Si
23	0.386	11.4	0	13555	SLD 3	13555	10922	76908	44816	44816	1	Si
23	0.386	19.01	0	-14503	SLD 13	-14503	-12713	-74051	-43151	-43151	1	Si
30	0.386	11.4	0	13245	SLD 3	13245	10922	76908	44816	44816	1	Si
30	0.386	19.01	0	-14813	SLD 13	-14813	-12713	-74051	-43151	-43151	1	Si
34	0.386	11.4	0	13090	SLD 3	13090	10922	76908	44816	44816	1	Si
34	0.386	19.01	0	-14968	SLD 13	-14968	-12713	-74051	-43151	-43151	1	Si
41	0.386	11.4	0	12781	SLD 3	12781	10922	76908	44816	44816	1	Si
41	0.386	19.01	0	-15278	SLD 13	-15278	-12713	-74051	-43151	-43151	1	Si
49	0.386	11.4	0	12471	SLD 3	12471	10922	76908	44816	44816	1	Si
49	0.386	19.01	0	-15588	SLD 13	-15588	-12713	-74051	-43151	-43151	1	Si
56	0.386	11.4	0	12161	SLD 3	12161	10922	76908	44816	44816	1	Si
56	0.386	19.01	0	-15898	SLD 13	-15898	-12713	-74051	-43151	-43151	1	Si
64	0.386	11.4	0	11851	SLD 3	11851	10922	76908	44816	44816	1	Si
64	0.386	19.01	0	-16207	SLD 13	-16207	-12713	-74051	-43151	-43151	1	Si
71	0.386	11.4	0	11541	SLD 3	11541	10922	76908	44816	44816	1	Si
71	0.386	19.01	0	-16517	SLD 13	-16517	-12713	-74051	-43151	-43151	1	Si
79	0.386	11.4	0	11232	SLD 3	11232	10922	76908	44816	44816	1	Si
79	0.386	19.01	0	-16827	SLD 13	-16827	-12713	-74051	-43151	-43151	1	Si
85	0.386	11.4	0	10973	SLD 3	10973	10922	76908	44816	44816	1	Si
85	0.386	19.01	0	-17085	SLD 13	-17085	-12713	-74051	-43151	-43151	1	Si
90	0	11.4	0	10767	SLD 3	10767	10922	76908	0	10922	1	Si
90	0	19.01	0	-17292	SLD 13	-17292	-12713	-74051	0	-12713	1	Si
98	0	11.4	0	10457	SLD 3	10457	10922	76908	0	10922	1	Si
98	0	19.01	0	-17602	SLD 13	-17602	-12713	-74051	0	-12713	1	Si
105	0	11.4	0	10147	SLD 3	10147	10922	76908	0	10922	1	Si
105	0	19.01	0	-17911	SLD 13	-17911	-12713	-74051	0	-12713	1	Si
113	0	11.4	0	9927	SLD 3	9927	10922	76908	0	10922	1	Si
113	0	19.01	0	-18132	SLD 13	-18132	-12713	-74051	0	-12713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-151981	4	-142517	4.4	124.5	142.1	1837	-147773	1	-138306	4.2	93.4	0	+∞	Si
8	-146645	4	-142438	4.4	124.5	142	1837	-142435	1	-138228	4.2	93.4	0	+∞	Si
15	-143255	4	-142203	4.4	124.5	141.8	1837	-139043	1	-137992	4.2	93.4	0	+∞	Si
23	-141811	4	-168896	5.2	124.5	168.4	1837	-137598	1	-160175	4.9	93.4	0	+∞	Si
30	-142314	4	-186290	5.7	124.5	185.7	1837	-138099	1	-173899	5.3	93.4	0	+∞	Si
34	-143376	8	-196011	6	124.5	195.4	1837	-139080	1	-181633	5.6	93.4	0	+∞	Si
41	-150933	9	-217384	6.7	124.5	216.8	1837	-145035	2	-198842	6.1	93.4	0	+∞	Si
49	-163499	9	-241333	7.4	124.5	240.6	1837	-155562	2	-218376	6.7	93.4	0	+∞	Si
56	-179344	3	-266684	8.2	124.5	265.9	1837	-168412	2	-239263	7.3	93.4	0	+∞	Si
64	-198461	3	-266684	8.2	124.5	265.9	1837	-183586	2	-239263	7.3	93.4	0	+∞	Si
71	-220154	3	-266684	8.2	124.5	265.9	1837	-201084	2	-239263	7.3	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
79	-244422	3	-266684	8.2	124.5	265.9	1837	-220905	2	-239263	7.3	93.4	0	+∞	Si
85	-266684	3	-266684	8.2	124.5	265.9	1837	-239263	2	-239263	7.3	93.4	0	+∞	Si
90	-285652	3	-283472	8.7	124.5	282.6	1837	-254994	2	-253153	7.8	93.4	0	+∞	Si
98	-316357	3	-302359	9.3	124.5	301.5	1837	-280625	2	-268780	8.2	93.4	0	+∞	Si
105	-349638	3	-313692	9.6	124.5	312.8	1837	-308579	2	-278156	8.5	93.4	0	+∞	Si
113	-385237	3	-317469	9.7	124.5	316.5	1837	-338633	2	-281281	8.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
8	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
15	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
23	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
30	0	0	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
34	0	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
41	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	1	-0.001	1	9999	Si
49	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
56	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
64	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
71	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
79	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
85	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	1	-0.001	1	9999	Si
90	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
98	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
105	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-474	-39945	-43151	SLV 13	0.39	836	1.068	-128884	610271	1515703	SLV 1	0.57	2474	1.666	Si
30	-784	-39945	-43151	SLV 13	0.38	821	1.06	-173899	1506194	1515703	SLV 3	0.41	942	1.122	Si
34	-939	-39945	-43151	SLV 13	0.38	814	1.056	-181633	1659713	1515703	SLV 3	0.37	751	1.022	Si
41	-1249	-39945	-43151	SLV 13	0.38	799	1.048	-198842	1894748	1515703	SLV 3	0.33	559	0.906	No
49	-1558	-39945	-43151	SLV 13	0.38	785	1.041	-218376	2130926	1515703	SLV 3	0.3	436	0.818	No
56	-1868	-39945	-43151	SLV 13	0.38	771	1.033	-239263	2357546	1515703	SLV 3	0.27	359	0.755	No
64	-2178	-39945	-43151	SLV 13	0.37	757	1.025	-239263	2357546	1515703	SLV 3	0.27	359	0.755	No
71	-2488	-39945	-43151	SLV 13	0.37	743	1.018	-239263	2357546	1515703	SLV 3	0.27	359	0.755	No
79	-2798	-39945	-43151	SLV 13	0.37	729	1.01	-239263	2357546	1515703	SLV 3	0.27	359	0.755	No
85	-3056	-39945	-43151	SLV 13	0.37	718	1.003	-239263	2357546	1515703	SLV 3	0.27	359	0.755	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-474	-14029	-43151	SLD 13	0.41	951	2.833	-128884	270051	1515703	SLD 1	0.6	2474	4.193	Si
30	-784	-14029	-43151	SLD 13	0.41	934	2.812	-173899	666531	1515703	SLD 3	0.34	610	2.362	Si
34	-939	-14029	-43151	SLD 13	0.4	926	2.802	-181633	734468	1515703	SLD 3	0.31	489	2.157	Si
41	-1249	-14029	-43151	SLD 13	0.4	910	2.782	-198842	838480	1515703	SLD 3	0.28	373	1.93	Si
49	-1558	-14029	-43151	SLD 13	0.4	893	2.761	-218376	942997	1515703	SLD 3	0.25	297	1.758	Si
56	-1868	-14029	-43151	SLD 13	0.4	877	2.741	-239263	1043285	1515703	SLD 3	0.23	244	1.622	Si
64	-2178	-14029	-43151	SLD 13	0.39	861	2.72	-239263	1043285	1515703	SLD 3	0.23	244	1.622	Si
71	-2488	-14029	-43151	SLD 13	0.39	845	2.699	-239263	1043285	1515703	SLD 3	0.23	244	1.622	Si
79	-2798	-14029	-43151	SLD 13	0.39	830	2.679	-239263	1043285	1515703	SLD 3	0.23	244	1.622	Si
85	-3056	-14029	-43151	SLD 13	0.38	817	2.662	-239263	1043285	1515703	SLD 3	0.23	244	1.622	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 73A-52A

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 73A - 71A, sezione R 45x70, asta 998

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	683901	SLU 21	626933	2323876	0.102						Si
19	7.6	5.4	19.01	5.4	586022	SLU 21	584538	2323876	0.102						Si
23	7.6	5.4	19.01	5.4	567480	SLU 21	567480	2323876	0.102						Si
38	7.6	5.4	19.01	5.4	484446	SLU 21	567480	2323876	0.102						Si
57	7.6	5.4	19.01	5.4	379175	SLU 21	538715	2323876	0.102						Si
76	7.6	5.4	18.2	5.4	270376	SLU 20	435403	2228940	0.1						Si
86	7.6	5.4	16.93	5.4	214982	SLU 29	382361	2077407	0.097						Si
105	7.6	5.4	11.4	5.4	101730	SLU 29	273666	1422093	0.084	67723	SLU 4	-85949	-970824	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
124	7.6	5.4	11.4	5.4	-9197	SLU 11	162188	1422093	0.084	-24745	SLU 22	-206491	-970824	0.078	Si
143	7.6	5.4	11.4	5.4	-102655	SLU 10	47198	1422093	0.084	-141167	SLU 23	-333968	-970824	0.078	Si
162	7.6	5.4	11.4	5.4						-265877	SLU 21	-465220	-970824	0.078	Si
181	7.6	5.4	11.4	5.4						-395170	SLU 21	-600168	-970824	0.078	Si
190	7.6	5.4	11.4	5.4						-461203	SLU 21	-669028	-970824	0.078	Si
200	9.48	5.4	11.4	5.4						-528159	SLU 21	-738811	-1194318	0.081	Si
219	13.84	5.4	11.4	5.4						-664844	SLU 21	-881151	-1710590	0.088	Si
228	15.18	5.4	11.4	5.4						-734572	SLU 21	-953706	-1869907	0.09	Si
247	17.55	5.4	11.4	5.4						-876800	SLU 21	-995674	-2150443	0.094	Si
263	19.01	5.4	11.4	5.4						-995674	SLU 21	-995674	-2323557	0.097	Si
266	19.01	5.4	11.4	5.4						-1022725	SLU 21	-1020662	-2323557	0.097	Si
285	19.01	5.4	11.4	5.4						-1172345	SLU 21	-1082767	-2323557	0.097	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	2454556	SLV 7	2283936	2323876	0.102	-1440353	SLV 9	-1353955	-971525	0.08	No
19	7.6	5.4	19.01	5.4	2164344	SLV 7	2160273	2323876	0.102	-1294945	SLV 9	-1293074	-971525	0.08	No
23	7.6	5.4	19.01	5.4	2110517	SLV 7	2110517	2323876	0.102	-1268578	SLV 9	-1268578	-971525	0.08	No
38	7.6	5.4	19.01	5.4	1871488	SLV 7	2110517	2323876	0.102	-1152579	SLV 9	-1268578	-971525	0.08	No
57	7.6	5.4	19.01	5.4	1576068	SLV 7	2027009	2323876	0.102	-1013334	SLV 9	-1227672	-971525	0.08	No
76	7.6	5.4	18.2	5.4	1278202	SLV 7	1732936	2228940	0.1	-877330	SLV 9	-1086761	-971475	0.08	No
86	7.6	5.4	16.93	5.4	1128403	SLV 7	1584949	2077407	0.097	-810594	SLV 9	-1017488	-971385	0.079	No
105	7.6	5.4	11.4	5.4	827209	SLV 7	1287156	1422093	0.084	-679789	SLV 9	-881385	-970824	0.078	Si
124	7.6	5.4	11.4	5.4	524103	SLV 7	987083	1422093	0.084	-552758	SLV 9	-748688	-970824	0.078	Si
143	7.6	5.4	11.4	5.4	219384	SLV 7	684957	1422093	0.084	-429800	SLV 9	-619625	-970824	0.078	Si
162	7.6	5.4	11.4	5.4	-85855	SLV 7	381053	1422093	0.084	-312008	SLV 9	-610055	-970824	0.078	Si
181	7.6	5.4	11.4	5.4	-147103	SLV 5	75764	1422093	0.084	-443894	SLV 11	-927152	-970824	0.078	Si
200	9.48	5.4	11.4	5.4	-31239	SLV 5	142791	1422093	0.084	-758575	SLV 11	-1247843	-1194318	0.081	No
219	13.84	5.4	11.4	5.4	83114	SLV 5	253545	1422107	0.084	-1077433	SLV 11	-1571800	-1710590	0.088	Si
228	15.18	5.4	11.4	5.4	139447	SLV 5	307966	1422107	0.084	-1238151	SLV 11	-1734955	-1869907	0.09	Si
247	17.55	5.4	11.4	5.4	250277	SLV 5	338722	1422107	0.084	-1562013	SLV 11	-1828625	-2150443	0.094	Si
263	19.01	5.4	11.4	5.4	338722	SLV 5	338722	1422107	0.084	-1828625	SLV 11	-1828625	-2323557	0.097	Si
266	19.01	5.4	11.4	5.4	358546	SLV 5	355446	1422107	0.084	-1889001	SLV 11	-1882810	-2323557	0.097	Si
285	19.01	5.4	11.4	5.4	464169	SLV 5	397012	1422107	0.084	-2219028	SLV 11	-2017482	-2323557	0.097	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	1368919	SLD 7	1269939	2323876	0.102	-354717	SLD 9	-339958	-971525	0.08	Si
19	7.6	5.4	19.01	5.4	1200130	SLD 7	1197715	2323876	0.102	-330731	SLD 9	-330516	-971525	0.08	Si
23	7.6	5.4	19.01	5.4	1168656	SLD 7	1168656	2323876	0.102	-326717	SLD 9	-326717	-971525	0.08	Si
38	7.6	5.4	19.01	5.4	1028585	SLD 7	1168656	2323876	0.102	-309676	SLD 9	-326717	-971525	0.08	Si
57	7.6	5.4	19.01	5.4	854321	SLD 7	1119826	2323876	0.102	-291587	SLD 9	-320489	-971525	0.08	Si
76	7.6	5.4	18.2	5.4	677389	SLD 7	946998	2228940	0.1	-276517	SLD 9	-300823	-971475	0.08	Si
86	7.6	5.4	16.93	5.4	587946	SLD 7	859569	2077407	0.097	-270136	SLD 9	-292107	-971385	0.079	Si
105	7.6	5.4	11.4	5.4	407163	SLD 7	682717	1422093	0.084	-259743	SLD 9	-276946	-970824	0.078	Si
124	7.6	5.4	11.4	5.4	223949	SLD 7	503271	1422093	0.084	-252604	SLD 9	-264876	-970824	0.078	Si
143	7.6	5.4	11.4	5.4	38433	SLD 7	321331	1422093	0.084	-248850	SLD 9	-286571	-970824	0.078	Si
162	7.6	5.4	11.4	5.4	-148914	SLD 7	137018	1422093	0.084	-248949	SLD 9	-463865	-970824	0.078	Si
181	7.6	5.4	11.4	5.4						-361139	SLD 11	-660452	-970824	0.078	Si
190	7.6	5.4	11.4	5.4						-457995	SLD 11	-759948	-970824	0.078	Si
200	9.48	5.4	11.4	5.4						-555825	SLD 11	-860212	-1194318	0.081	Si
219	13.84	5.4	11.4	5.4						-753935	SLD 11	-1063001	-1710590	0.088	Si
228	15.18	5.4	11.4	5.4						-854153	SLD 11	-1165510	-1869907	0.09	Si
247	17.55	5.4	11.4	5.4						-1056853	SLD 11	-1224498	-2150443	0.094	Si
263	19.01	5.4	11.4	5.4						-1224498	SLD 11	-1224498	-2323557	0.097	Si
266	19.01	5.4	11.4	5.4						-1262520	SLD 11	-1258919	-2323557	0.097	Si
285	19.01	5.4	11.4	5.4						-1471117	SLD 11	-1344468	-2323557	0.097	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	-5054	SLU 21	-5054	-12949	-76908	0	-12949	1	Si
19	0	16.93	0	-5249	SLU 21	-5249	-12458	-76908	0	-12458	1	Si
23	0.172	16.93	0	-5285	SLU 21	-5285	-12458	-76908	-20007	-20007	1	Si
38	0.172	11.4	0	-5443	SLU 21	-5443	-10922	-76908	-20007	-20007	1	Si
57	0.172	11.4	0	-5638	SLU 21	-5638	-10922	-76908	-20007	-20007	1	Si
76	0.172	11.4	0	-5832	SLU 21	-5832	-10922	-76908	-20007	-20007	1	Si
86	0.172	11.4	0	-5930	SLU 21	-5930	-10922	-76908	-20007	-20007	1	Si
105	0.171	11.4	0	-6124	SLU 21	-6124	-10922	-76908	-19841	-19841	1	Si
124	0.171	7.6	0	-6319	SLU 21	-6319	-9541	-76908	-19841	-19841	1	Si
143	0.171	7.6	0	-6513	SLU 21	-6513	-9541	-76908	-19841	-19841	1	Si
162	0.171	7.6	0	-6708	SLU 21	-6708	-9541	-76908	-19841	-19841	1	Si
181	0.171	7.6	0	-6902	SLU 21	-6902	-9541	-76908	-19841	-19841	1	Si
200	0.187	7.6	0	-7097	SLU 21	-7097	-9541	-76908	-21675	-21675	1	Si
219	0.187	7.6	0	-7291	SLU 21	-7291	-9541	-76908	-21675	-21675	1	Si
228	0.187	7.6	0	-7388	SLU 21	-7388	-9541	-76908	-21675	-21675	1	Si
247	0.187	7.6	0	-7583	SLU 21	-7583	-9541	-76908	-21675	-21675	1	Si
263	0.187	9.48	0	-7742	SLU 21	-7742	-10271	-76908	-21675	-21675	1	Si
266	0	9.48	0	-7777	SLU 21	-7777	-10271	-76908	0	-10271	1	Si
285	0	13.84	0	-7972	SLU 21	-7972	-11649	-76908	0	-11649	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	7766	SLV 9	10757	9541	76908	0	9541	1	Si
0	0	19.01	0	-15238	SLV 7	-18228	-12949	-76908	0	-12949	1	Si
19	0	7.6	0	7617	SLV 9	10607	9541	76908	0	9541	1	Si
19	0	16.93	0	-15387	SLV 7	-18378	-12458	-76908	0	-12458	1	Si
23	0.172	7.6	0	7589	SLV 9	10580	9541	76908	20007	20007	1	Si
23	0.172	16.93	0	-15415	SLV 7	-18406	-12458	-76908	-20007	-20007	1	Si
38	0.172	7.6	0	7467	SLV 9	10457	9541	76908	20007	20007	1	Si
38	0.172	11.4	0	-15537	SLV 7	-18528	-10922	-76908	-20007	-20007	1	Si
57	0.172	7.6	0	7317	SLV 9	10308	9541	76908	20007	20007	1	Si
57	0.172	11.4	0	-15687	SLV 7	-18677	-10922	-76908	-20007	-20007	1	Si
76	0.172	7.6	0	7168	SLV 9	10158	9541	76908	20007	20007	1	Si
76	0.172	11.4	0	-15836	SLV 7	-18827	-10922	-76908	-20007	-20007	1	Si
86	0.172	7.6	0	7093	SLV 9	10083	9541	76908	20007	20007	1	Si
86	0.172	11.4	0	-15911	SLV 7	-18902	-10922	-76908	-20007	-20007	1	Si
105	0.171	7.6	0	6943	SLV 9	9934	9541	76908	19841	19841	1	Si
105	0.171	11.4	0	-16061	SLV 7	-19051	-10922	-76908	-19841	-19841	1	Si
124	0.171	7.6	0	6794	SLV 9	9784	9541	76908	19841	19841	1	Si
124	0.171	11.4	0	-16210	SLV 7	-19201	-10922	-76908	-19841	-19841	1	Si
143	0.171	7.6	0	6644	SLV 9	9635	9541	76908	19841	19841	1	Si
143	0.171	11.4	0	-16360	SLV 7	-19351	-10922	-76908	-19841	-19841	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
162	0.171	7.6	0	6494	SLV 9	9485	9541	76908	19841	19841	1	Si
162	0.171	7.6	0	-16510	SLV 7	-19500	-9541	-76908	-19841	-19841	1	Si
181	0.171	7.6	0	6345	SLV 9	9335	9541	76908	19841	19841	1	Si
181	0.171	7.6	0	-16659	SLV 7	-19650	-9541	-76908	-19841	-19841	1	Si
200	0.187	7.6	0	6195	SLV 9	9186	9541	76908	21675	21675	1	Si
200	0.187	7.6	0	-16809	SLV 7	-19799	-9541	-76908	-21675	-21675	1	Si
219	0.187	11.4	0	6046	SLV 9	9036	10922	76908	21675	21675	1	Si
219	0.187	7.6	0	-16959	SLV 7	-19949	-9541	-76908	-21675	-21675	1	Si
228	0.187	11.4	0	5971	SLV 9	8961	10922	76908	21675	21675	1	Si
228	0.187	7.6	0	-17033	SLV 7	-20024	-9541	-76908	-21675	-21675	1	Si
247	0.187	11.4	0	5821	SLV 9	8812	10922	76908	21675	21675	1	Si
247	0.187	7.6	0	-17183	SLV 7	-20173	-9541	-76908	-21675	-21675	1	Si
263	0.187	11.4	0	5699	SLV 9	8690	10922	76908	21675	21675	1	Si
263	0.187	9.48	0	-17305	SLV 7	-20296	-10271	-76908	-21675	-21675	1	Si
266	0	11.4	0	5671	SLV 9	8662	10922	76908	0	10922	1	Si
266	0	9.48	0	-17333	SLV 7	-20323	-10271	-76908	0	-10271	1	Si
285	0	11.4	0	5522	SLV 9	8512	10922	76908	0	10922	1	Si
285	0	13.84	0	-17482	SLV 7	-20473	-11649	-76908	0	-11649	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1354	SLD 9	1354	9541	76908	0	9541	1	Si
0	0	19.01	0	-8826	SLD 7	-8826	-12949	-76908	0	-12949	1	Si
19	0	7.6	0	1205	SLD 9	1205	9541	76908	0	9541	1	Si
19	0	16.93	0	-8975	SLD 7	-8975	-12458	-76908	0	-12458	1	Si
23	0.172	7.6	0	1177	SLD 9	1177	9541	76908	20007	20007	1	Si
23	0.172	16.93	0	-9003	SLD 7	-9003	-12458	-76908	-20007	-20007	1	Si
38	0.172	7.6	0	1055	SLD 9	1055	9541	76908	20007	20007	1	Si
38	0.172	11.4	0	-9125	SLD 7	-9125	-10922	-76908	-20007	-20007	1	Si
57	0.172	7.6	0	905	SLD 9	905	9541	76908	20007	20007	1	Si
57	0.172	11.4	0	-9275	SLD 7	-9275	-10922	-76908	-20007	-20007	1	Si
76	0.172	7.6	0	756	SLD 9	756	9541	76908	20007	20007	1	Si
76	0.172	11.4	0	-9424	SLD 7	-9424	-10922	-76908	-20007	-20007	1	Si
86	0.172	7.6	0	681	SLD 9	681	9541	76908	20007	20007	1	Si
86	0.172	11.4	0	-9499	SLD 7	-9499	-10922	-76908	-20007	-20007	1	Si
105	0.171	7.6	0	531	SLD 9	531	9541	76908	19841	19841	1	Si
105	0.171	11.4	0	-9649	SLD 7	-9649	-10922	-76908	-19841	-19841	1	Si
124	0.171	7.6	0	382	SLD 9	382	9541	76908	19841	19841	1	Si
124	0.171	11.4	0	-9798	SLD 7	-9798	-10922	-76908	-19841	-19841	1	Si
143	0.171	7.6	0	232	SLD 9	232	9541	76908	19841	19841	1	Si
143	0.171	11.4	0	-9948	SLD 7	-9948	-10922	-76908	-19841	-19841	1	Si
162	0.171	7.6	0	82	SLD 9	82	9541	76908	19841	19841	1	Si
162	0.171	7.6	0	-10098	SLD 7	-10098	-9541	-76908	-19841	-19841	1	Si
181	0.171	7.6	0	-10247	SLD 7	-10247	-9541	-76908	-19841	-19841	1	Si
200	0.187	7.6	0	-10397	SLD 7	-10397	-9541	-76908	-21675	-21675	1	Si
219	0.187	7.6	0	-10546	SLD 7	-10546	-9541	-76908	-21675	-21675	1	Si
228	0.187	7.6	0	-10621	SLD 7	-10621	-9541	-76908	-21675	-21675	1	Si
247	0.187	7.6	0	-10771	SLD 7	-10771	-9541	-76908	-21675	-21675	1	Si
263	0.187	9.48	0	-10893	SLD 7	-10893	-10271	-76908	-21675	-21675	1	Si
266	0	9.48	0	-10921	SLD 7	-10921	-10271	-76908	0	-10271	1	Si
285	0	13.84	0	-11070	SLD 7	-11070	-11649	-76908	0	-11649	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	519179	3	476062	14.5	124.5	434.2	1837	507101	2	464991	14.1	93.4	0	+∞	Si
19	445077	3	443953	13.5	124.5	404.9	1837	434699	2	433600	13.2	93.4	0	+∞	Si
23	431034	3	431034	13.1	124.5	393.1	1837	420969	2	420969	12.8	93.4	0	+∞	Si
38	368132	3	431034	13.1	124.5	393.1	1837	359455	2	420969	12.8	93.4	0	+∞	Si
57	288344	3	409247	12.4	124.5	373.2	1837	281367	2	399668	12.2	93.4	0	+∞	Si
76	205825	2	330965	10.2	124.5	314.5	1837	200436	2	323087	10	93.4	0	+∞	Si
86	163517	2	290759	9.2	124.5	296.3	1837	158905	2	283731	9	93.4	0	+∞	Si
105	76769	2	208320	7.6	124.5	310.2	1837	73710	2	202886	7.4	93.4	0	+∞	Si
124	-17547	4	-156176	3.5	124.5	54.2	1837	-16587	1	-154548	6.2	93.4	0	+∞	Si
143	-106475	5	-253054	5.7	124.5	87.8	1837	-105208	2	-249778	10	93.4	0	+∞	Si
162	-201306	3	-352827	7.9	124.5	122.4	1837	-198932	2	-347851	14	93.4	0	+∞	Si
181	-299573	3	-455443	10.2	124.5	157.9	1837	-295498	2	-448767	18	93.4	0	+∞	Si
200	-400682	3	-560902	20.7	124.5	995.3	1837	-394907	2	-552526	20.4	93.4	0	+∞	Si
219	-504635	3	-669204	21.5	124.5	824.2	1837	-497159	2	-659127	21.2	93.4	0	+∞	Si
228	-557677	3	-724421	22.6	124.5	816	1837	-549352	2	-713494	22.2	93.4	0	+∞	Si
247	-665894	3	-756364	22.4	124.5	741.2	1837	-655868	2	-744951	22.1	93.4	0	+∞	Si
263	-756364	3	-756364	21.9	124.5	686.5	1837	-744951	2	-744951	21.5	93.4	0	+∞	Si
266	-776953	3	-775384	22.4	124.5	703.7	1837	-765227	2	-763682	22.1	93.4	0	+∞	Si
285	-890856	3	-822655	23.8	124.5	746.6	1837	-877430	2	-810235	23.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
23	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
38	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
57	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
76	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
86	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	0	-0.002	2	-0.002	2	9999	Si
105	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.004	2	9999	Si
124	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
143	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
162	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
181	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si
200	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
219	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
228	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si
247	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
263	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	1	-0.006	1	9999	Si
266	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-3913	-14493	-20007	SLV 7	0.4	919	1.11	420969	-1689548	-971525	SLV 9	0.3	449	0.828	No
38	-4035	-14493	-20007	SLV 7	0.4	902	1.102	420969	-1689548	-971525	SLV 9	0.3	449	0.828	No
57	-4185	-14493	-20007	SLV 7	0.4	881	1.091	399668	-1627340	-971525	SLV 9	0.31	471	0.844	No
76	-4334	-14493	-20007	SLV 7	0.39	861	1.081	323087	-1409849	-971475	SLV 9	0.34	579	0.919	No
86	-4409	-14493	-20007	SLV 7	0.39	851	1.076	283731	-1301219	-971385	SLV 9	0.35	652	0.965	No
105	-4559	-14493	-19841	SLV 7	0.38	810	1.054	202886	-1084270	-970824	SLV 9	0.39	863	1.082	Si
124	-4708	-14493	-19841	SLV 7	0.38	790	1.044	119197	-867885	-970824	SLV 9	0.45	1266	1.266	Si
143	-4858	-14493	-19841	SLV 7	0.38	771	1.033	32666	-652291	-970824	SLV 9	0.55	2175	1.581	Si
162	-5008	-14493	-19841	SLV 7	0.37	753	1.023	-56707	-437760	-970824	SLV 9	0.57	2474	1.666	Si
181	-5157	-14493	-19841	SLV 7	0.37	734	1.013	-448767	-478385	-970824	SLV 11	0.4	880	1.091	Si
200	-5307	-14493	-21675	SLV 7	0.41	957	1.129	-552526	-695317	-1194318	SLV 11	0.34	586	0.923	No
219	-5457	-14493	-21675	SLV 7	0.41	936	1.119	-659127	-912672	-1710590	SLV 11	0.42	1008	1.153	Si
228	-5531	-14493	-21675	SLV 7	0.4	926	1.114	-713494	-1021461	-1869907	SLV 11	0.41	963	1.132	Si
247	-5681	-14493	-21675	SLV 7	0.4	905	1.103	-744951	-1083673	-2150443	SLV 11	0.47	1379	1.311	Si
263	-5803	-14493	-21675	SLV 7	0.4	888	1.095	-744951	-1083673	-2323557	SLV 11	0.52	1880	1.489	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-3913	-5090	-20007	SLD 7	0.42	1054	2.955	420969	-747686	-971525	SLD 9	0.26	305	1.777	Si
38	-4035	-5090	-20007	SLD 7	0.42	1032	2.93	420969	-747686	-971525	SLD 9	0.26	305	1.777	Si
57	-4185	-5090	-20007	SLD 7	0.42	1006	2.899	399668	-720158	-971525	SLD 9	0.26	319	1.81	Si
76	-4334	-5090	-20007	SLD 7	0.41	980	2.868	323087	-623911	-971475	SLD 9	0.28	386	1.958	Si
86	-4409	-5090	-20007	SLD 7	0.41	968	2.854	283731	-575838	-971385	SLD 9	0.3	430	2.046	Si
105	-4559	-5090	-19841	SLD 7	0.4	922	2.797	202886	-479831	-970824	SLD 9	0.33	560	2.28	Si
124	-4708	-5090	-19841	SLD 7	0.4	899	2.769	119197	-384073	-970824	SLD 9	0.38	803	2.643	Si
143	-4858	-5090	-19841	SLD 7	0.4	879	2.743	32666	-288665	-970824	SLD 9	0.46	1356	3.277	Si
162	-5008	-5090	-19841	SLD 7	0.39	857	2.715	-56707	-175375	-970824	SLD 5	0.6	2474	4.193	Si
181	-5157	-5090	-19841	SLD 7	0.39	835	2.686	-448767	-211685	-970824	SLD 11	0.33	572	2.3	Si
200	-5307	-5090	-21675	SLD 7	0.43	1102	3.01	-552526	-307686	-1194318	SLD 11	0.28	390	1.966	Si
219	-5457	-5090	-21675	SLD 7	0.43	1076	2.98	-659127	-403873	-1710590	SLD 11	0.35	651	2.425	Si
228	-5531	-5090	-21675	SLD 7	0.42	1063	2.966	-713494	-452016	-1869907	SLD 11	0.35	624	2.384	Si
247	-5681	-5090	-21675	SLD 7	0.42	1036	2.934	-744951	-479547	-2150443	SLD 11	0.39	868	2.729	Si
263	-5803	-5090	-21675	SLD 7	0.42	1015	2.91	-744951	-479547	-2323557	SLD 11	0.44	1174	3.089	Si

Campata 2 tra i fili 71A - 62A, sezione R 45x70, asta 999

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-829679	SLU 36	-780816	-2323557	0.097	Si
23	19.01	5.4	11.4	5.4						-733852	SLU 36	-733852	-2323557	0.097	Si
57	15.75	5.4	11.4	5.4						-595232	SLU 36	-710726	-1938152	0.091	Si
86	11.4	5.4	11.4	5.4						-490482	SLU 36	-597494	-1422094	0.084	Si
114	11.4	5.4	11.4	5.4						-394047	SLU 36	-492577	-1422092	0.084	Si
171	7.6	5.4	11.4	5.4						-226397	SLU 30	-307689	-970824	0.078	Si
200	7.6	5.4	11.4	5.4						-155323	SLU 30	-227985	-970824	0.078	Si
257	7.6	5.4	11.4	5.4	-16133	SLU 1	25319	1422093	0.084	-38122	SLU 30	-93820	-970824	0.078	Si
314	7.6	5.4	11.4	5.4	61862	SLU 28	91256	1422093	0.084						Si
371	7.6	5.4	11.4	5.4	111507	SLU 28	123937	1422093	0.084						Si
428	7.6	5.4	11.4	5.4	127891	SLU 28	127891	1422093	0.084						Si
485	7.6	5.4	11.4	5.4	112211	SLU 35	124143	1422093	0.084						Si
542	7.6	5.4	11.4	5.4	63542	SLU 35	92438	1422093	0.084						Si
599	7.6	5.4	11.4	5.4	-12642	SLU 17	27470	1422093	0.084	-35806	SLU 20	-91047	-970824	0.078	Si
656	7.6	5.4	11.4	5.4						-152111	SLU 20	-224316	-970824	0.078	Si
684	7.6	5.4	11.4	5.4						-222737	SLU 20	-303424	-970824	0.078	Si
741	10.2	5.4	11.4	5.4						-388935	SLU 20	-486585	-1279024	0.082	Si
798	15.75	5.4	6.97	5.4						-588395	SLU 20	-703008	-1938701	0.094	Si
833	19.01	5.4	7.6	5.4						-725970	SLU 20	-725970	-2323876	0.102	Si
855	19.01	5.4	7.6	5.4						-821116	SLU 20	-772592	-2323876	0.102	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4	941043	SLV 7	938793	1422107	0.084	-2194635	SLV 9	-2117704	-2323557	0.097	Si
23	19.01	5.4	11.4	5.4	935072	SLV 7	935072	1422107	0.084	-2042226	SLV 9	-2042226	-2323557	0.097	Si
57	15.75	5.4	11.4	5.4	919521	SLV 7	933631	1422107	0.084	-1814931	SLV 9	-2005445	-1938152	0.091	No
114	11.4	5.4	11.4	5.4	872421	SLV 7	899575	1422094	0.084	-1460822	SLV 9	-1638282	-1422092	0.084	No
171	7.6	5.4	11.4	5.4	799750	SLV 7	839944	1422093	0.084	-1132313	SLV 9	-1296716	-970824	0.078	No
200	7.6	5.4	11.4	5.4	753828	SLV 7	800540	1422093	0.084	-977662	SLV 9	-1135534	-970824	0.078	No
257	7.6	5.4	11.4	5.4	642828	SLV 7	702566	1422093	0.084	-687582	SLV 9	-832382	-970824	0.078	Si
314	7.6	5.4	11.4	5.4	506339	SLV 7	579063	1422093	0.084	-423185	SLV 9	-554875	-970824	0.078	Si
371	7.6	5.4	11.4	5.4	344648	SLV 7	430152	1422093	0.084	-184758	SLV 9	-303129	-970824	0.078	Si
428	7.6	5.4	11.4	5.4	161339	SLV 11	256734	1422093	0.084	24115	SLV 5	-78049	-970824	0.078	Si
485	7.6	5.4	11.4	5.4	218841	SLV 9	304297	1422093	0.084	-58994	SLV 7	-177338	-970824	0.078	Si
542	7.6	5.4	11.4	5.4	380470	SLV 9	453184	1422093	0.084	-297402	SLV 7	-429102	-970824	0.078	Si
599	7.6	5.4	11.4	5.4	516939	SLV 9	576666	1422093	0.084	-561821	SLV 7	-706632	-970824	0.078	Si
656	7.6	5.4	11.4	5.4	627919	SLV 9	674620	1422093	0.084	-851924	SLV 7	-1009807	-970824	0.078	No
684	7.6	5.4	11.4	5.4	673830	SLV 9	714014	1422093	0.084	-1006585	SLV 7	-1170999	-970824	0.078	No
713	7.6	5.4	11.4	5.4	713351	SLV 9	747015	1422093	0.084	-1167650	SLV 7	-1338593	-970824	0.078	No
741	10.2	5.4	11.4	5.4	746480	SLV 9	773623	1422093	0.084	-1335116	SLV 7	-1512587	-1279024	0.082	No
798	15.75	5.4	6.97	5.4	793559	SLV 9	807658	896136	0.078	-1689246	SLV 7	-1879771	-1938701	0.094	Si
833	19.01	5.4	7.6	5.4	809097	SLV 9	809097	971525	0.08	-1916554	SLV 7	-1916554	-2323876	0.102	Si
855	19.01	5.4	7.6	5.4	815060	SLV 9	812814	971525	0.08	-2068971	SLV 7	-1992036	-2323876	0.102	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4	67032	SLD 7	67032	1422107	0.084	-1320623	SLD 9	-1265762	-2323557	0.097	Si
23	19.01	5.4	11.4	5.4	105206	SLD 7	149349	1422107	0.084	-1212360	SLD 9	-1212360	-2323557	0.097	Si
57	15.75	5.4	11.4	5.4	157343	SLD 7	193489	1422107	0.084	-1052754	SLD 9	-1186232	-1938152	0.091	Si
114	11.4	5.4	11.4	5.4	222073	SLD 7	245173	1422094	0.084	-810474	SLD 9	-930902	-1422092	0.084	Si
171	7.6	5.4	11.4	5.4	261223	SLD 7	271279	1422093	0.084	-593786	SLD 9	-701162	-970824	0.078	Si
200	7.6	5.4	11.4	5.4	271207	SLD 7	274799	1422093	0.084	-495041	SLD 9	-595889	-970824	0.078	Si
257	7.6	5.4	11.4	5.4	272000	SLD 7	274799	1422093	0.084	-316754	SLD 9	-404543	-970824	0.078	Si
314	7.6	5.4	11.4	5.4	247250	SLD 7	262998	1422093	0.084	-164097	SLD 9	-238809	-970824	0.078	Si
371	7.6	5.4	11.4	5.4	197084	SLD 7	225762	1422093	0.084	-37194	SLD 9	-98739	-970824	0.078	Si
428	7.6	5.4	11.4	5.4	123088	SLD 11	163416	1422093	0.084						Si
485	7.6	5.4	11.4	5.4	141399	SLD 9	170050	1422093	0.084	18448	SLD 7	-43091	-970824	0.078	Si
542	7.6	5.4	11.4	5.4	191526	SLD 9	207264	1422093	0.084	-108458	SLD 7	-183182	-970824	0.078	Si
599	7.6	5.4	11.4	5.4	216255	SLD 9	219043	1422093	0.084	-261138	SLD 7	-348938	-970824	0.078	Si
656	7.6	5.4	11.4	5.4	215441	SLD 9	219043	1422093	0.084	-439446	SLD 7	-540305	-970824	0.078	Si
684	7.6	5.4	11.4	5.4	205446	SLD 9	215513	1422093	0.084	-538202	SLD 7	-645588	-970824	0.078	Si
713	7.6	5.4	11.4	5.4	189058	SLD 9	205646	1422093	0.084	-643357	SLD 7	-757270	-970824	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
741	10.2	5.4	11.4	5.4	166275	SLD 9	189386	1422093	0.084	-754911	SLD 7	-875350	-1279024	0.082	Si
798	15.75	5.4	6.97	5.4	101525	SLD 9	137681	896136	0.078	-997212	SLD 7	-1130702	-1938701	0.094	Si
833	19.01	5.4	7.6	5.4	49374	SLD 9	93529	971525	0.08	-1156831	SLD 7	-1156831	-2323876	0.102	Si
855	19.01	5.4	7.6	5.4	11192	SLD 9	11192	971525	0.08	-1265103	SLD 7	-1210238	-2323876	0.102	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.75	0	4405	SLU 36	4405	12164	76908	0	12164	1	Si
23	0.068	11.4	0	4175	SLU 36	4175	10922	76908	7925	10922	1	Si
57	0.068	11.4	0	3821	SLU 36	3821	10922	76908	7925	10922	1	Si
114	0.068	7.6	0	3238	SLU 36	3238	9541	76908	7925	9541	1	Si
171	0.068	7.6	0	2654	SLU 36	2654	9541	76908	7925	9541	1	Si
200	0.068	7.6	0	2362	SLU 36	2362	9541	76908	7925	9541	1	Si
257	0.068	7.6	0	1779	SLU 36	1779	9541	76908	7925	9541	1	Si
314	0.068	11.4	0	1195	SLU 36	1195	10922	76908	7925	10922	1	Si
371	0.068	11.4	0	612	SLU 36	612	10922	76908	7925	10922	1	Si
428	0.068	11.4	0	31	SLU 18	31	10922	76908	7925	10922	1	Si
428	0.068	11.4	0	-8	SLU 19	-8	-10922	-76908	-7925	-10922	1	Si
485	0.068	11.4	0	-591	SLU 19	-591	-10922	-76908	-7925	-10922	1	Si
542	0.068	11.4	0	-1175	SLU 19	-1175	-10922	-76908	-7925	-10922	1	Si
599	0.068	7.6	0	-1759	SLU 19	-1759	-9541	-76908	-7925	-9541	1	Si
656	0.068	7.6	0	-2342	SLU 19	-2342	-9541	-76908	-7925	-9541	1	Si
684	0.068	7.6	0	-2634	SLU 19	-2634	-9541	-76908	-7925	-9541	1	Si
741	0.068	7.6	0	-3217	SLU 19	-3217	-9541	-76908	-7925	-9541	1	Si
798	0.068	10.2	0	-3801	SLU 19	-3801	-10523	-76908	-7925	-10523	1	Si
833	0.068	11.4	0	-4154	SLU 19	-4154	-10922	-76908	-7925	-10922	1	Si
855	0	15.75	0	-4384	SLU 19	-4384	-12164	-76908	0	-12164	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.75	0	6886	SLV 9	7802	12164	76908	0	12164	1	Si
0	0	11.4	0	-154	SLV 7	-1069	-10922	-76908	0	-10922	1	Si
23	0.068	11.4	0	6709	SLV 9	7624	10922	76908	7925	10922	1	Si
23	0.068	11.4	0	-331	SLV 7	-1246	-10922	-76908	-7925	-10922	1	Si
57	0.068	11.4	0	6437	SLV 9	7353	10922	76908	7925	10922	1	Si
57	0.068	11.4	0	-602	SLV 7	-1518	-10922	-76908	-7925	-10922	1	Si
114	0.068	7.6	0	5989	SLV 9	6904	9541	76908	7925	9541	1	Si
114	0.068	11.4	0	-1051	SLV 7	-1967	-10922	-76908	-7925	-10922	1	Si
171	0.068	7.6	0	5540	SLV 9	6455	9541	76908	7925	9541	1	Si
171	0.068	11.4	0	-1500	SLV 7	-2415	-10922	-76908	-7925	-10922	1	Si
200	0.068	7.6	0	5315	SLV 9	6230	9541	76908	7925	9541	1	Si
200	0.068	11.4	0	-1725	SLV 7	-2640	-10922	-76908	-7925	-10922	1	Si
257	0.068	7.6	0	4866	SLV 9	5782	9541	76908	7925	9541	1	Si
257	0.068	11.4	0	-2174	SLV 7	-3089	-10922	-76908	-7925	-10922	1	Si
314	0.068	7.6	0	4418	SLV 9	5333	9541	76908	7925	9541	1	Si
314	0.068	11.4	0	-2622	SLV 7	-3538	-10922	-76908	-7925	-10922	1	Si
371	0.068	7.6	0	3969	SLV 9	4884	9541	76908	7925	9541	1	Si
371	0.068	11.4	0	-3071	SLV 7	-3986	-10922	-76908	-7925	-10922	1	Si
428	0.068	11.4	0	3520	SLV 9	4435	10922	76908	7925	10922	1	Si
428	0.068	11.4	0	-3520	SLV 7	-4435	-10922	-76908	-7925	-10922	1	Si
485	0.068	11.4	0	3071	SLV 9	3986	10922	76908	7925	10922	1	Si
485	0.068	7.6	0	-3969	SLV 7	-4884	-9541	-76908	-7925	-9541	1	Si
542	0.068	11.4	0	2622	SLV 9	3537	10922	76908	7925	10922	1	Si
542	0.068	7.6	0	-4418	SLV 7	-5333	-9541	-76908	-7925	-9541	1	Si
599	0.068	11.4	0	2173	SLV 9	3088	10922	76908	7925	10922	1	Si
599	0.068	7.6	0	-4867	SLV 7	-5782	-9541	-76908	-7925	-9541	1	Si
656	0.068	11.4	0	1724	SLV 9	2639	10922	76908	7925	10922	1	Si
656	0.068	7.6	0	-5316	SLV 7	-6231	-9541	-76908	-7925	-9541	1	Si
684	0.068	11.4	0	1500	SLV 9	2415	10922	76908	7925	10922	1	Si
684	0.068	7.6	0	-5540	SLV 7	-6455	-9541	-76908	-7925	-9541	1	Si
741	0.068	6.97	0	1051	SLV 9	1966	9268	76908	7925	9268	1	Si
741	0.068	7.6	0	-5989	SLV 7	-6904	-9541	-76908	-7925	-9541	1	Si
770	0.068	7.6	0	827	SLV 9	1742	9541	76908	7925	9541	1	Si
770	0.068	7.6	0	-6213	SLV 7	-7129	-9541	-76908	-7925	-9541	1	Si
798	0.068	7.6	0	602	SLV 9	1517	9541	76908	7925	9541	1	Si
798	0.068	10.2	0	-6438	SLV 7	-7353	-10523	-76908	-7925	-10523	1	Si
833	0.068	7.6	0	330	SLV 9	1246	9541	76908	7925	9541	1	Si
833	0.068	11.4	0	-6710	SLV 7	-7625	-10922	-76908	-7925	-10922	1	Si
855	0	6.97	0	153	SLV 9	1068	9268	76908	0	9268	1	Si
855	0	15.75	0	-6887	SLV 7	-7802	-12164	-76908	0	-12164	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.75	0	4924	SLD 9	4924	12164	76908	0	12164	1	Si
23	0.068	11.4	0	4747	SLD 9	4747	10922	76908	7925	10922	1	Si
57	0.068	11.4	0	4475	SLD 9	4475	10922	76908	7925	10922	1	Si
114	0.068	7.6	0	4026	SLD 9	4026	9541	76908	7925	9541	1	Si
171	0.068	7.6	0	3577	SLD 9	3577	9541	76908	7925	9541	1	Si
200	0.068	7.6	0	3353	SLD 9	3353	9541	76908	7925	9541	1	Si
257	0.068	7.6	0	2904	SLD 9	2904	9541	76908	7925	9541	1	Si
257	0.068	11.4	0	-211	SLD 7	-211	-10922	-76908	-7925	-10922	1	Si
314	0.068	7.6	0	2455	SLD 9	2455	9541	76908	7925	9541	1	Si
314	0.068	11.4	0	-660	SLD 7	-660	-10922	-76908	-7925	-10922	1	Si
371	0.068	7.6	0	2006	SLD 9	2006	9541	76908	7925	9541	1	Si
371	0.068	11.4	0	-1109	SLD 7	-1109	-10922	-76908	-7925	-10922	1	Si
428	0.068	11.4	0	1558	SLD 9	1558	10922	76908	7925	10922	1	Si
428	0.068	11.4	0	-1558	SLD 7	-1558	-10922	-76908	-7925	-10922	1	Si
485	0.068	11.4	0	1109	SLD 9	1109	10922	76908	7925	10922	1	Si
485	0.068	11.4	0	-2007	SLD 7	-2007	-10922	-76908	-7925	-10922	1	Si
542	0.068	11.4	0	660	SLD 9	660	10922	76908	7925	10922	1	Si
542	0.068	7.6	0	-2456	SLD 7	-2456	-9541	-76908	-7925	-9541	1	Si
599	0.068	11.4	0	211	SLD 9	211	10922	76908	7925	10922	1	Si
599	0.068	7.6	0	-2905	SLD 7	-2905	-9541	-76908	-7925	-9541	1	Si
656	0.068	7.6	0	-3353	SLD 7	-3353	-9541	-76908	-7925	-9541	1	Si
684	0.068	7.6	0	-3578	SLD 7	-3578	-9541	-76908	-7925	-9541	1	Si
741	0.068	7.6	0	-4027	SLD 7	-4027	-9541	-76908	-7925	-9541	1	Si
770	0.068	7.6	0	-4251	SLD 7	-4251	-9541	-76908	-7925	-9541	1	Si
798	0.068	10.2	0	-4476	SLD 7	-4476	-10523	-76908	-7925	-10523	1	Si
833	0.068	11.4	0	-4747	SLD 7	-4747	-10922	-76908	-7925	-10922	1	Si
855	0	15.75	0	-4924	SLD 7	-4924	-12164	-76908	0	-12164	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-635535	9	-597994	17.3	124.5	542.7	1837	-626796	2	-589455	17	93.4	0	+∞	Si
23	-561914	9	-561914	16.2	124.5	510	1837	-553577	2	-553577	16	93.4	0	+∞	Si
57	-455426	9	-544147	16.7	124.5	591.4	1837	-447705	2	-535907	16.5	93.4	0	+∞	Si
114	-300904	9	-376576	13	124.5	559	1837	-294201	2	-369354	12.7	93.4	0	+∞	Si
171	-172150	3	-234591	5.3	124.5	81.3	1837	-166282	2	-228386	9.2	93.4	0	+∞	Si
200	-117553	3	-173370	3.9	124.5	60.1	1837	-111917	2	-167497	6.7	93.4	0	+∞	Si
257	-27549	3	-70317	1.6	124.5	24.4	1837	-22377	2	-64908	2.6	93.4	0	+∞	Si
314	47566	1	70154	2.5	124.5	104.5	1837	47566	1	70154	2.5	93.4	0	+∞	Si
371	85710	1	95249	3.5	124.5	141.8	1837	85710	1	95249	3.5	93.4	0	+∞	Si
428	98268	1	98268	3.6	124.5	146.3	1837	98268	1	98268	3.6	93.4	0	+∞	Si
485	86039	8	95317	3.5	124.5	141.9	1837	85240	1	95018	3.4	93.4	0	+∞	Si
542	48406	8	70733	2.6	124.5	105.3	1837	46626	1	69454	2.5	93.4	0	+∞	Si
599	-25687	2	-68152	1.5	124.5	23.6	1837	-22441	2	-64983	2.6	93.4	0	+∞	Si
656	-115098	2	-170613	3.8	124.5	59.2	1837	-112002	2	-167593	6.7	93.4	0	+∞	Si
684	-169399	2	-231438	5.2	124.5	80.3	1837	-166378	2	-228493	9.2	93.4	0	+∞	Si
741	-297189	2	-372277	13.4	124.5	615.7	1837	-294318	2	-369482	13.3	93.4	0	+∞	Si
798	-450566	2	-538702	17.6	124.5	588.4	1837	-447844	2	-536056	17.5	93.4	0	+∞	Si
833	-556360	2	-556360	16.9	124.5	507.4	1837	-553729	2	-553729	16.8	93.4	0	+∞	Si
855	-629528	2	-592213	18	124.5	540.1	1837	-626956	2	-589611	17.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
57	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.015	1	-0.016	1	9999	Si
114	-0.009	-0.01	-0.009	-0.01	-0.009	-0.01	-0.009	-0.009	-0.009	-0.01	-0.022	1	-0.023	1	9999	Si
171	-0.009	-0.011	-0.009	-0.011	-0.009	-0.01	-0.009	-0.01	-0.009	-0.01	-0.023	1	-0.025	1	9999	Si
200	-0.008	-0.01	-0.009	-0.01	-0.008	-0.01	-0.009	-0.01	-0.008	-0.009	-0.022	1	-0.024	1	9999	Si
257	-0.007	-0.009	-0.008	-0.009	-0.007	-0.008	-0.008	-0.009	-0.007	-0.008	-0.019	1	-0.022	1	9999	Si
314	-0.005	-0.007	-0.006	-0.008	-0.005	-0.007	-0.006	-0.008	-0.005	-0.006	-0.015	1	-0.018	1	9999	Si
371	-0.004	-0.006	-0.005	-0.007	-0.004	-0.006	-0.005	-0.007	-0.004	-0.005	-0.013	1	-0.016	1	9999	Si
428	-0.003	-0.006	-0.005	-0.007	-0.003	-0.005	-0.005	-0.006	-0.003	-0.005	-0.012	1	-0.015	1	9999	Si
485	-0.004	-0.006	-0.005	-0.007	-0.004	-0.006	-0.005	-0.007	-0.004	-0.005	-0.013	1	-0.016	1	9999	Si
542	-0.005	-0.007	-0.006	-0.008	-0.005	-0.007	-0.006	-0.008	-0.005	-0.006	-0.016	1	-0.018	1	9999	Si
599	-0.007	-0.009	-0.008	-0.009	-0.007	-0.008	-0.008	-0.009	-0.007	-0.008	-0.019	1	-0.022	1	9999	Si
656	-0.008	-0.01	-0.009	-0.01	-0.009	-0.01	-0.009	-0.01	-0.009	-0.009	-0.022	1	-0.025	1	9999	Si
684	-0.009	-0.01	-0.009	-0.011	-0.009	-0.01	-0.009	-0.01	-0.009	-0.01	-0.023	1	-0.025	1	9999	Si
741	-0.009	-0.01	-0.009	-0.01	-0.009	-0.01	-0.009	-0.01	-0.009	-0.01	-0.022	1	-0.024	1	9999	Si
798	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.016	1	-0.016	1	9999	Si
833	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.008	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3189	4435	10922	SLV 9	0.57	2474	1.666	-553577	-1488649	-2323557	SLV 9	0.43	1095	1.193	Si
57	2918	4435	10922	SLV 9	0.57	2474	1.666	-535907	-1469538	-1938152	SLV 9	0.35	635	0.954	No
114	2469	4435	9541	SLV 9	0.57	2395	1.644	-369354	-1268929	-1422092	SLV 9	0.3	455	0.832	No
171	2020	4435	9541	SLV 9	0.57	2474	1.666	-228386	-1068330	-970824	SLV 9	0.26	309	0.71	No
200	1795	4435	9541	SLV 9	0.57	2474	1.666	-167497	-968037	-970824	SLV 9	0.3	455	0.832	No
257	1346	4435	9541	SLV 9	0.57	2474	1.666	-64908	-767474	-970824	SLV 9	0.43	1074	1.184	Si
314	898	4435	9541	SLV 9	0.57	2474	1.666	12094	-566969	-970824	SLV 9	0.57	2474	1.666	Si
371	449	4435	9541	SLV 9	0.57	2474	1.666	63511	-366640	-970824	SLV 9	0.57	2474	1.666	Si
428	0	-4435	-10922	SLV 7	0.57	2474	1.666	89342	-167392	-970824	SLV 9	0.57	2474	1.666	Si
485	-449	-4435	-9541	SLV 7	0.57	2474	1.666	63479	-240817	-970824	SLV 7	0.57	2474	1.666	Si
542	-898	-4435	-9541	SLV 7	0.57	2474	1.666	12041	-441143	-970824	SLV 7	0.57	2474	1.666	Si
599	-1347	-4435	-9541	SLV 7	0.57	2474	1.666	-64983	-641649	-970824	SLV 7	0.51	1729	1.439	Si
656	-1796	-4435	-9541	SLV 7	0.57	2474	1.666	-167593	-842213	-970824	SLV 7	0.35	634	0.954	No
684	-2020	-4435	-9541	SLV 7	0.57	2474	1.666	-228493	-942506	-970824	SLV 7	0.29	406	0.794	No
713	-2245	-4435	-9541	SLV 7	0.57	2474	1.666	-295789	-1042804	-970824	SLV 7	0.24	265	0.667	No
741	-2469	-4435	-9541	SLV 7	0.57	2394	1.644	-369482	-1143105	-1279024	SLV 7	0.29	415	0.801	No
798	-2918	-4435	-10523	SLV 7	0.57	2474	1.666	-536056	-1343715	-1938701	SLV 7	0.38	790	1.044	Si
833	-3190	-4435	-10922	SLV 7	0.57	2474	1.666	-553729	1362826	971525	SLV 9	0.41	936	1.119	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3189	1558	10922	SLD 9	0.6	2474	4.193	-553577	-658783	-2323557	SLD 9	0.36	702	2.502	Si
57	2918	1558	10922	SLD 9	0.6	2474	4.193	-535907	-650325	-1938152	SLD 9	0.29	420	2.027	Si
114	2469	1558	9541	SLD 9	0.6	2474	4.193	-369354	-561548	-1422092	SLD 9	0.26	309	1.787	Si
171	2020	1558	9541	SLD 9	0.6	2474	4.193	-228386	-472776	-970824	SLD 9	0.22	209	1.522	Si
200	1795	1558	9541	SLD 9	0.6	2474	4.193	-167497	-428392	-970824	SLD 9	0.26	309	1.787	Si
257	1346	1558	9541	SLD 9	0.6	2474	4.193	-64908	-339635	-970824	SLD 9	0.36	691	2.485	Si
314	898	1558	9541	SLD 9	0.6	2474	4.193	12094	-250904	-970824	SLD 9	0.52	1866	3.735	Si
371	449	1558	9541	SLD 9	0.6	2474	4.193	63511	-162250	-970824	SLD 9	0.6	2474	4.193	Si
428	0	-1558	-10922	SLD 7	0.6	2474	4.193	89342	-74074	-970824	SLD 9	0.6	2474	4.193	Si
485	-449	-1558	-10922	SLD 7	0.6	2474	4.193	63479	-106571	-970824	SLD 7	0.6	2474	4.193	Si
542	-898	-1558	-9541	SLD 7	0.6	2474	4.193	12041	-195223	-970824	SLD 7	0.6	2474	4.193	Si
599	-1347	-1558	-9541	SLD 7	0.6	2474	4.193	-64983	-283954	-970824	SLD 7	0.43	1079	2.984	Si
656	-1796	-1558	-9541	SLD 7	0.6	2474	4.193	-167593	-372712	-970824	SLD 7	0.29	420	2.027	Si
684	-2020	-1558	-9541	SLD 7	0.6	2474	4.193	-228493	-417095	-970824	SLD 7	0.25	277	1.709	Si
741	-2469	-1558	-9541	SLD 7	0.6	2474	4.193	-369482	-505868	-1279024	SLD 7	0.25	282	1.721	Si
798	-2918	-1558	-10523	SLD 7	0.6	2474	4.193	-536056	-594645	-1938701	SLD 7	0.32	514	2.202	Si
833	-3190	-1558	-10922	SLD 7	0.6	2474	4.193	-553729	603103	971525	SLD 9	0.34	607	2.357	Si

Campata 3 tra i fili 62A - 52A, sezione R 45x70, asta 1000

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-1120091	SLU 29	-1056427	-2323876	0.102	Si
23	19.01	5.4	7.6	5.4						-994587	SLU 29	-994587	-2323876	0.102	Si
58	15.63	5.4	7.6	5.4						-803419	SLU 29	-956890	-1923740	0.093	Si
88	11.4	5.4	7.6	5.4						-658146	SLU 29	-802937	-1422093	0.084	Si
117	11.4	5.4	7.6	5.4						-521582	SLU 29	-657693	-1422092	0.084	Si
175	7.6	5.4	7.6	5.4						-274582	SLU 29	-393333	-970067	0.076	Si
233	7.6	5.4	7.6	5.4	-30121	SLU 4	52267	970067	0.076	-62417	SLU 29	-163808	-970067	0.076	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
263	7.6	5.4	7.6	5.4	52567	SLU 22	134128	970067	0.076	17688	SLU 11	-62109	-970067	0.076	Si
321	7.6	5.4	7.6	5.4	207522	SLU 22	271723	970067	0.076						Si
379	7.6	5.4	7.6	5.4	327685	SLU 26	374605	970067	0.076						Si
438	7.6	5.4	7.6	5.4	413129	SLU 26	442689	970067	0.076						Si
496	7.6	5.4	7.6	5.4	463854	SLU 35	476929	970067	0.076						Si
554	7.6	5.4	7.6	5.4	482352	SLU 36	482352	970067	0.076						Si
613	7.6	5.4	7.6	5.4	467817	SLU 30	479306	970067	0.076						Si
671	7.6	5.4	7.6	5.4	418636	SLU 30	447485	970067	0.076						Si
700	7.6	5.4	7.6	5.4	380983	SLU 30	418512	970067	0.076						Si
758	15.18	5.4	7.6	5.4	279548	SLU 30	334437	971249	0.079						Si
817	15.21	5.4	7.6	5.4	143277	SLU 30	215527	971252	0.079						Si
853	15.21	5.4	7.6	5.4	41551	SLU 29	124448	971252	0.079						Si
875	15.21	5.4	7.6	5.4						-57842	SLU 22	-21311	-1873491	0.092	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4	570525	SLV 11	570525	971525	0.08	-2265414	SLV 5	-2177809	-2323876	0.102	Si
23	19.01	5.4	7.6	5.4	588547	SLV 11	606688	971525	0.08	-2091594	SLV 5	-2091594	-2323876	0.102	Si
58	15.63	5.4	7.6	5.4	610553	SLV 11	620490	971283	0.079	-1821472	SLV 5	-2039368	-1923740	0.093	No
117	11.4	5.4	7.6	5.4	623798	SLV 11	623798	970824	0.078	-1404342	SLV 5	-1608875	-1422092	0.084	No
175	7.6	5.4	7.6	5.4	610268	SLV 11	620345	970067	0.076	-1014030	SLV 5	-1205197	-970067	0.076	No
233	7.6	5.4	7.6	5.4	569983	SLV 11	593390	970067	0.076	-650557	SLV 5	-828345	-970067	0.076	Si
263	7.6	5.4	7.6	5.4	539821	SLV 11	569883	970067	0.076	-478898	SLV 5	-649988	-970067	0.076	Si
321	7.6	5.4	7.6	5.4	459535	SLV 11	502851	970067	0.076	-155815	SLV 5	-313450	-970067	0.076	Si
379	7.6	5.4	7.6	5.4	353290	SLV 11	409333	970067	0.076	139633	SLV 5	-4020	-970067	0.076	Si
438	7.6	5.4	7.6	5.4	420354	SLV 9	540008	970067	0.076						Si
496	7.6	5.4	7.6	5.4	656598	SLV 9	766894	970067	0.076	53952	SLV 7	-35503	-970067	0.076	Si
554	7.6	5.4	7.6	5.4	871692	SLV 5	969211	970067	0.076	-132719	SLV 11	-236105	-970067	0.076	Si
613	7.6	5.4	7.6	5.4	1060753	SLV 5	1145032	970067	0.076	-346952	SLV 11	-463806	-970067	0.076	No
671	7.6	5.4	7.6	5.4	1223197	SLV 5	1294163	970067	0.076	-588161	SLV 11	-718410	-970067	0.076	No
700	7.6	5.4	7.6	5.4	1294399	SLV 5	1358700	970067	0.076	-718843	SLV 11	-855781	-970067	0.076	No
758	15.18	5.4	7.6	5.4	1416736	SLV 5	1467697	971249	0.079	-1000336	SLV 11	-1150641	-1869933	0.092	No
817	15.21	5.4	7.6	5.4	1512301	SLV 5	1549916	971252	0.079	-1308650	SLV 11	-1472318	-1873491	0.092	No
853	15.21	5.4	7.6	5.4	1557137	SLV 5	1557137	971252	0.079	-1511928	SLV 11	-1511928	-1873491	0.092	No
875	15.21	5.4	7.6	5.4	1581084	SLV 5	1569819	971252	0.079	-1643776	SLV 11	-1577158	-1873491	0.092	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-1474950	SLD 5	-1409055	-2323876	0.102	Si
23	19.01	5.4	7.6	5.4						-1344557	SLD 5	-1344557	-2323876	0.102	Si
58	15.63	5.4	7.6	5.4						-1143593	SLD 5	-1305383	-1923740	0.093	Si
88	11.4	5.4	7.6	5.4	-1068	SLD 11	58296	970824	0.078	-987965	SLD 5	-1143077	-1422093	0.084	Si
117	11.4	5.4	7.6	5.4	58494	SLD 11	111183	970824	0.078	-839038	SLD 5	-987471	-1422092	0.084	Si
175	7.6	5.4	7.6	5.4	157527	SLD 11	196870	970067	0.076	-561289	SLD 5	-696363	-970067	0.076	Si
233	7.6	5.4	7.6	5.4	229782	SLD 11	255786	970067	0.076	-310356	SLD 5	-432065	-970067	0.076	Si
263	7.6	5.4	7.6	5.4	255873	SLD 11	275216	970067	0.076	-194950	SLD 5	-309973	-970067	0.076	Si
321	7.6	5.4	7.6	5.4	288015	SLD 11	294093	970067	0.076	15705	SLD 5	-85921	-970067	0.076	Si
379	7.6	5.4	7.6	5.4	293718	SLD 11	296746	970067	0.076						Si
438	7.6	5.4	7.6	5.4	361181	SLD 9	427397	970067	0.076						Si
496	7.6	5.4	7.6	5.4	488604	SLD 9	543225	970067	0.076						Si
554	7.6	5.4	7.6	5.4	591716	SLD 5	633238	970067	0.076						Si
613	7.6	5.4	7.6	5.4	668368	SLD 5	696585	970067	0.076	45433	SLD 11	-15359	-970067	0.076	Si
671	7.6	5.4	7.6	5.4	718302	SLD 5	733183	970067	0.076	-83265	SLD 11	-157429	-970067	0.076	Si
700	7.6	5.4	7.6	5.4	733232	SLD 5	741441	970067	0.076	-157676	SLD 11	-238522	-970067	0.076	Si
758	15.18	5.4	7.6	5.4	743009	SLD 5	743009	971249	0.079	-326609	SLD 11	-420815	-1869933	0.092	Si
817	15.21	5.4	7.6	5.4	726000	SLD 5	737814	971252	0.079	-522349	SLD 11	-629913	-1873491	0.092	Si
853	15.21	5.4	7.6	5.4	701678	SLD 5	721698	971252	0.079	-656470	SLD 11	-656470	-1873491	0.092	Si
875	15.21	5.4	7.6	5.4	682200	SLD 5	682200	971252	0.079	-744892	SLD 11	-699983	-1873491	0.092	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.63	0	5727	SLU 29	5727	12132	76908	0	12132	1	Si
23	0.068	11.4	0	5497	SLU 29	5497	10922	76908	7874	10922	1	Si
58	0.068	11.4	0	5130	SLU 29	5130	10922	76908	7874	10922	1	Si
117	0.068	7.6	0	4533	SLU 29	4533	9541	76908	7874	9541	1	Si
175	0.068	7.6	0	3936	SLU 29	3936	9541	76908	7874	9541	1	Si
233	0.068	7.6	0	3339	SLU 29	3339	9541	76908	7874	9541	1	Si
263	0.068	7.6	0	3040	SLU 29	3040	9541	76908	7874	9541	1	Si
321	0.068	7.6	0	2443	SLU 29	2443	9541	76908	7874	9541	1	Si
379	0.068	7.6	0	1846	SLU 29	1846	9541	76908	7874	9541	1	Si
438	0.068	7.6	0	1248	SLU 29	1248	9541	76908	7874	9541	1	Si
496	0.068	7.6	0	651	SLU 29	651	9541	76908	7874	9541	1	Si
554	0.068	7.6	0	65	SLU 11	65	9541	76908	7874	9541	1	Si
554	0.068	7.6	0	-31	SLU 22	-31	-9541	-76908	-7874	-9541	1	Si
613	0.068	7.6	0	-628	SLU 22	-628	-9541	-76908	-7874	-9541	1	Si
671	0.068	7.6	0	-1225	SLU 22	-1225	-9541	-76908	-7874	-9541	1	Si
700	0.068	7.6	0	-1524	SLU 22	-1524	-9541	-76908	-7874	-9541	1	Si
758	0.068	7.6	0	-2121	SLU 22	-2121	-9541	-76908	-7874	-9541	1	Si
817	0.068	7.6	0	-2718	SLU 22	-2718	-9541	-76908	-7874	-9541	1	Si
853	0.068	7.6	0	-3085	SLU 22	-3085	-9541	-76908	-7874	-9541	1	Si
875	0	15.21	0	-3315	SLU 22	-3315	-12021	-76908	0	-12021	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.63	0	7841	SLV 5	8741	12132	76908	0	12132	1	Si
23	0.068	11.4	0	7664	SLV 5	8564	10922	76908	7874	10922	1	Si
23	0.068	7.6	0	738	SLV 11	-162	-9541	-76908	-7874	-9541	1	Si
58	0.068	11.4	0	7381	SLV 5	8282	10922	76908	7874	10922	1	Si
58	0.068	7.6	0	456	SLV 11	-444	-9541	-76908	-7874	-9541	1	Si
117	0.068	7.6	0	6922	SLV 5	7822	9541	76908	7874	9541	1	Si
117	0.068	7.6	0	-4	SLV 11	-904	-9541	-76908	-7874	-9541	1	Si
175	0.068	7.6	0	6463	SLV 5	7363	9541	76908	7874	9541	1	Si
175	0.068	7.6	0	-463	SLV 11	-1363	-9541	-76908	-7874	-9541	1	Si
233	0.068	7.6	0	6003	SLV 5	6904	9541	76908	7874	9541	1	Si
233	0.068	7.6	0	-922	SLV 11	-1823	-9541	-76908	-7874	-9541	1	Si
263	0.068	7.6	0	5774	SLV 5	6674	9541	76908	7874	9541	1	Si
263	0.068	7.6	0	-1152	SLV 11	-2052	-9541	-76908	-7874	-9541	1	Si
321	0.068	7.6	0	5314	SLV 5	6214	9541	76908	7874	9541	1	Si
321	0.068	7.6	0	-1611	SLV 11	-2512	-9541	-76908	-7874	-9541	1	Si
379	0.068	7.6	0	4855	SLV 5	5755	9541	76908	7874	9541	1	Si
379	0.068	7.6	0	-2071	SLV 11	-2971	-9541	-76908	-7874	-9541	1	Si
438	0.068	7.6	0	4395	SLV 5	5296	9541	76908	7874	9541	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
438	0.068	7.6	0	-2530	SLV 11	-3430	-9541	-76908	-7874	-9541	1	Si
496	0.068	7.6	0	3936	SLV 5	4836	9541	76908	7874	9541	1	Si
496	0.068	7.6	0	-2989	SLV 11	-3890	-9541	-76908	-7874	-9541	1	Si
554	0.068	7.6	0	3477	SLV 5	4377	9541	76908	7874	9541	1	Si
554	0.068	7.6	0	-3449	SLV 11	-4349	-9541	-76908	-7874	-9541	1	Si
613	0.068	7.6	0	3017	SLV 5	3918	9541	76908	7874	9541	1	Si
613	0.068	7.6	0	-3908	SLV 11	-4809	-9541	-76908	-7874	-9541	1	Si
671	0.068	7.6	0	2558	SLV 5	3458	9541	76908	7874	9541	1	Si
671	0.068	7.6	0	-4368	SLV 11	-5268	-9541	-76908	-7874	-9541	1	Si
700	0.068	7.6	0	2328	SLV 5	3229	9541	76908	7874	9541	1	Si
700	0.068	7.6	0	-4597	SLV 11	-5498	-9541	-76908	-7874	-9541	1	Si
758	0.068	7.6	0	1869	SLV 5	2769	9541	76908	7874	9541	1	Si
758	0.068	7.6	0	-5057	SLV 11	-5957	-9541	-76908	-7874	-9541	1	Si
817	0.068	7.6	0	1409	SLV 5	2310	9541	76908	7874	9541	1	Si
817	0.068	15.18	0	-5516	SLV 11	-6416	-12013	-76908	-7874	-12013	1	Si
853	0.068	7.6	0	1127	SLV 5	2028	9541	76908	7874	9541	1	Si
853	0.068	15.21	0	-5798	SLV 11	-6699	-12021	-76908	-7874	-12021	1	Si
875	0	7.6	0	950	SLV 5	1850	9541	76908	0	9541	1	Si
875	0	15.21	0	-5975	SLV 11	-6876	-12021	-76908	0	-12021	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.63	0	5910	SLD 5	5910	12132	76908	0	12132	1	Si
23	0.068	11.4	0	5733	SLD 5	5733	10922	76908	7874	10922	1	Si
58	0.068	11.4	0	5451	SLD 5	5451	10922	76908	7874	10922	1	Si
117	0.068	7.6	0	4992	SLD 5	4992	9541	76908	7874	9541	1	Si
175	0.068	7.6	0	4532	SLD 5	4532	9541	76908	7874	9541	1	Si
233	0.068	7.6	0	4073	SLD 5	4073	9541	76908	7874	9541	1	Si
263	0.068	7.6	0	3843	SLD 5	3843	9541	76908	7874	9541	1	Si
321	0.068	7.6	0	3384	SLD 5	3384	9541	76908	7874	9541	1	Si
379	0.068	7.6	0	2924	SLD 5	2924	9541	76908	7874	9541	1	Si
379	0.068	7.6	0	-140	SLD 11	-140	-9541	-76908	-7874	-9541	1	Si
438	0.068	7.6	0	2465	SLD 5	2465	9541	76908	7874	9541	1	Si
438	0.068	7.6	0	-600	SLD 11	-600	-9541	-76908	-7874	-9541	1	Si
496	0.068	7.6	0	2006	SLD 5	2006	9541	76908	7874	9541	1	Si
496	0.068	7.6	0	-1059	SLD 11	-1059	-9541	-76908	-7874	-9541	1	Si
554	0.068	7.6	0	1546	SLD 5	1546	9541	76908	7874	9541	1	Si
554	0.068	7.6	0	-1518	SLD 11	-1518	-9541	-76908	-7874	-9541	1	Si
613	0.068	7.6	0	1087	SLD 5	1087	9541	76908	7874	9541	1	Si
613	0.068	7.6	0	-1978	SLD 11	-1978	-9541	-76908	-7874	-9541	1	Si
671	0.068	7.6	0	628	SLD 5	628	9541	76908	7874	9541	1	Si
671	0.068	7.6	0	-2437	SLD 11	-2437	-9541	-76908	-7874	-9541	1	Si
700	0.068	7.6	0	398	SLD 5	398	9541	76908	7874	9541	1	Si
700	0.068	7.6	0	-2667	SLD 11	-2667	-9541	-76908	-7874	-9541	1	Si
758	0.068	7.6	0	-3126	SLD 11	-3126	-9541	-76908	-7874	-9541	1	Si
817	0.068	15.18	0	-3586	SLD 11	-3586	-12013	-76908	-7874	-12013	1	Si
853	0.068	15.21	0	-3868	SLD 11	-3868	-12021	-76908	-7874	-12021	1	Si
875	0	15.21	0	-4045	SLD 11	-4045	-12021	-76908	0	-12021	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-856212	2	-807360	24.6	124.5	736.3	1837	-847444	2	-798783	24.3	93.4	0	+∞	Si
23	-759910	2	-759910	23.1	124.5	693.1	1837	-751523	2	-751523	22.9	93.4	0	+∞	Si
58	-613239	2	-730985	23.7	124.5	803.9	1837	-605460	2	-722713	23.5	93.4	0	+∞	Si
117	-397063	2	-501455	18.2	124.5	746.6	1837	-390272	2	-494171	17.9	93.4	0	+∞	Si
175	-207684	2	-298721	7	124.5	105.5	1837	-201881	2	-292426	12.4	93.4	0	+∞	Si
233	-45102	2	-122785	2.9	124.5	43.4	1837	-40287	2	-117478	5	93.4	0	+∞	Si
263	37936	4	100983	2.4	124.5	35.7	1837	36942	1	100040	4.2	93.4	0	+∞	Si
321	157751	4	207444	4.9	124.5	73.3	1837	156859	1	206602	8.7	93.4	0	+∞	Si
379	250798	8	287190	6.8	124.5	101.5	1837	249978	1	286368	12.1	93.4	0	+∞	Si
438	317126	8	340164	8	124.5	120.2	1837	316301	1	339336	14.3	93.4	0	+∞	Si
496	356657	8	366560	8.6	124.5	129.5	1837	355826	1	365696	15.5	93.4	0	+∞	Si
554	370478	9	370478	8.7	124.5	130.9	1837	369486	2	369486	15.6	93.4	0	+∞	Si
613	358703	3	367846	8.7	124.5	130	1837	356901	2	366511	15.5	93.4	0	+∞	Si
671	320258	3	342755	8.1	124.5	121.1	1837	317518	2	340483	14.4	93.4	0	+∞	Si
700	290987	3	320161	7.5	124.5	113.1	1837	287778	2	317420	13.4	93.4	0	+∞	Si
758	212347	3	254875	5.5	124.5	86.9	1837	208200	2	251196	9.6	93.4	0	+∞	Si
817	106910	3	162792	3.5	124.5	55.5	1837	101826	2	158175	6	93.4	0	+∞	Si
853	28279	2	92355	2	124.5	31.5	1837	22604	2	87162	3.3	93.4	0	+∞	Si
875	-40500	4	-12518	0.4	124.5	14.1	1837	-40431	1	-12468	0.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
58	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
117	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.004	0.003	0.009	1	0.008	1	9999	Si
175	0.012	0.011	0.01	0.009	0.012	0.011	0.01	0.01	0.012	0.011	0.028	1	0.026	1	9999	Si
233	0.022	0.021	0.019	0.018	0.022	0.021	0.019	0.018	0.022	0.021	0.051	1	0.049	1	9999	Si
263	0.027	0.026	0.024	0.023	0.027	0.026	0.024	0.023	0.027	0.026	0.063	1	0.061	1	9999	Si
321	0.037	0.036	0.033	0.031	0.037	0.036	0.033	0.032	0.037	0.036	0.087	1	0.085	1	9999	Si
379	0.045	0.044	0.04	0.039	0.045	0.044	0.04	0.039	0.045	0.044	0.106	1	0.105	1	8227	Si
438	0.051	0.05	0.046	0.045	0.051	0.05	0.046	0.045	0.051	0.05	0.121	1	0.119	1	7254	Si
496	0.054	0.053	0.049	0.048	0.054	0.053	0.048	0.048	0.054	0.054	0.128	1	0.127	1	6844	Si
525	0.054	0.054	0.049	0.048	0.054	0.054	0.049	0.048	0.054	0.054	0.129	1	0.128	1	6808	Si
554	0.054	0.053	0.048	0.048	0.054	0.053	0.048	0.048	0.054	0.053	0.127	1	0.127	1	6882	Si
613	0.05	0.05	0.045	0.045	0.05	0.05	0.045	0.045	0.05	0.05	0.118	1	0.118	1	7401	Si
671	0.043	0.043	0.039	0.038	0.043	0.043	0.039	0.038	0.043	0.043	0.101	1	0.101	1	8629	Si
700	0.038	0.038	0.034	0.034	0.038	0.038	0.034	0.034	0.038	0.038	0.09	2	0.09	2	9686	Si
758	0.027	0.027	0.024	0.024	0.027	0.027	0.024	0.024	0.027	0.027	0.064	2	0.064	2	9999	Si
817	0.014	0.014	0.013	0.012	0.014	0.014	0.013	0.012	0.014	0.014	0.033	2	0.033	2	9999	Si
853	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.013	2	0.013	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	4201	4363	10922	SLV 5	0.55	2183	1.583	-751523	-1340071	-2323876	SLV 5	0.42	1058	1.176	Si
58	3919	4363	10922	SLV 5	0.57	2437	1.656	-722713	-1316655	-1923740	SLV 5	0.33	570	0.913	No
117	3459	4363	9541	SLV 5	0.5	1671	1.419	-494171	-1114704	-1422092	SLV 5	0.3	458	0.835	No
175	3000	4363	9541	SLV 5	0.53	2030	1.537	-292426	-912771	-970067	SLV 5	0.27	357	0.753	No
233	2540	4363	9541	SLV 5	0.57	2435	1.656	-117478	-710868	-970067	SLV 5	0.43	1121	1.205	Si
263	2311	4363	9541	SLV 5	0.57	2474	1.666	-40052	-609936	-970067	SLV 5	0.54	2124	1.565	Si
321	1851	4363	9541	SLV 5	0.57	2474	1.666	94700	408151	970067	SLV 11	0.57	2474	1.666	Si
379	1392	4363	9541	SLV 5	0.57	2474	1.666	202656	206676	970067	SLV 11	0.57	2474	1.666	Si
438	933	4363	9541	SLV 5	0.57	2474	1.666	338042	201966	970067	SLV 9	0.57	2474	1.666	Si
496	473	4363	9541	SLV 5	0.57	2474	1.666	365696	401198	970067	SLV 5	0.54	2056	1.545	Si
554	14	4363	9541	SLV 5	0.57	2474	1.666	366553	602658	970067	SLV 5	0.36	714	1.001	Si
613	-445	-4363	-9541	SLV 11	0.57	2474	1.666	340613	804419	970067	SLV 5	0.29	401	0.79	No
671	-905	-4363	-9541	SLV 11	0.57	2474	1.666	287877	1006287	970067	SLV 5	0.25	293	0.695	No
700	-1135	-4363	-9541	SLV 11	0.57	2474	1.666	251460	1107240	970067	SLV 5	0.24	266	0.668	No
758	-1594	-4363	-9541	SLV 11	0.57	2474	1.666	158528	1309169	971249	SLV 5	0.23	242	0.642	No
788	-1824	-4363	-11239	SLV 11	0.57	2474	1.666	102013	1410141	971252	SLV 5	0.23	238	0.638	No
817	-2053	-4363	-12013	SLV 11	0.57	2474	1.666	38799	1511117	971252	SLV 5	0.23	239	0.639	No
853	-2335	-4363	-12021	SLV 11	0.57	2474	1.666	22604	1534532	971252	SLV 5	0.23	240	0.64	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	4201	1532	10922	SLD 5	0.58	2474	4.193	-751523	-593033	-2323876	SLD 5	0.36	681	2.471	Si
58	3919	1532	10922	SLD 5	0.6	2474	4.193	-722713	-582671	-1923740	SLD 5	0.28	380	1.945	Si
117	3459	1532	9541	SLD 5	0.53	1932	3.789	-494171	-493300	-1422092	SLD 5	0.26	311	1.792	Si
175	3000	1532	9541	SLD 5	0.56	2347	4.103	-292426	-403937	-970067	SLD 5	0.23	243	1.619	Si
233	2540	1532	9541	SLD 5	0.6	2474	4.193	-117478	-314587	-970067	SLD 5	0.37	717	2.523	Si
263	2311	1532	9541	SLD 5	0.6	2474	4.193	-40052	-269921	-970067	SLD 5	0.46	1325	3.246	Si
321	1851	1532	9541	SLD 5	0.6	2474	4.193	94700	180622	970067	SLD 11	0.6	2474	4.193	Si
379	1392	1532	9541	SLD 5	0.6	2474	4.193	202656	91456	970067	SLD 11	0.6	2474	4.193	Si
438	933	1532	9541	SLD 5	0.6	2474	4.193	338042	89356	970067	SLD 9	0.6	2474	4.193	Si
496	473	1532	9541	SLD 5	0.6	2474	4.193	365696	177530	970067	SLD 5	0.45	1284	3.204	Si
554	14	1532	9541	SLD 5	0.6	2474	4.193	366553	266685	970067	SLD 5	0.31	466	2.115	Si
613	-445	-1532	-9541	SLD 11	0.6	2474	4.193	340613	355972	970067	SLD 5	0.24	272	1.696	Si
671	-905	-1532	-9541	SLD 11	0.6	2474	4.193	287877	445306	970067	SLD 5	0.21	199	1.492	Si
700	-1135	-1532	-9541	SLD 11	0.6	2474	4.193	251460	489982	970067	SLD 5	0.2	181	1.435	Si
758	-1594	-1532	-9541	SLD 11	0.6	2474	4.193	158528	579343	971249	SLD 5	0.2	165	1.382	Si
817	-2053	-1532	-12013	SLD 11	0.6	2474	4.193	38799	668712	971252	SLD 5	0.19	163	1.375	Si
853	-2335	-1532	-12021	SLD 11	0.6	2474	4.193	22604	679074	971252	SLD 5	0.19	164	1.378	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 73B-4

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 73B - 71B, sezione R 45x70, asta 957

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	5.4	713050	SLU 20	646983	2773116	0.1						Si
19	15.21	5.4	22.81	5.4	599803	SLU 20	598100	2773116	0.1						Si
23	15.21	5.4	22.81	5.4	578431	SLU 20	578431	2773116	0.1						Si
38	15.21	5.4	22.81	5.4	482860	SLU 20	578431	2773116	0.1						Si
57	15.21	5.4	22.81	5.4	362221	SLU 20	545274	2773116	0.1						Si
76	15.21	5.4	21.6	5.4	237887	SLU 20	426594	2630776	0.098						Si
86	15.21	5.4	19.69	5.4	174334	SLU 20	365868	2403582	0.095	120219	SLU 17	-29462	-1872539	0.088	Si
105	15.21	5.4	11.4	5.4	44455	SLU 20	241644	1422107	0.084	27315	SLU 17	-162215	-1873055	0.09	Si
124	15.21	5.4	11.4	5.4	-66580	SLU 11	113725	1422107	0.084	-90971	SLU 26	-300973	-1873055	0.09	Si
143	15.21	5.4	11.4	5.4						-226770	SLU 21	-443757	-1873055	0.09	Si
162	19.23	5.4	11.4	5.4						-367595	SLU 21	-590236	-2349434	0.097	Si
181	21.02	5.4	11.4	5.4						-512116	SLU 21	-740525	-2561429	0.101	Si
200	22.81	5.4	11.4	5.4						-660371	SLU 20	-894536	-2773208	0.105	Si
209	22.81	5.4	11.4	5.4						-735936	SLU 20	-972928	-2773209	0.105	Si
228	27.16	5.4	11.4	5.4						-889836	SLU 20	-1132483	-3286665	0.115	Si
247	28.95	5.4	11.4	5.4						-1047432	SLU 20	-1178842	-3495297	0.128	Si
263	30.41	5.4	11.4	5.4						-1178842	SLU 20	-1178842	-3663634	0.139	Si
266	30.41	5.4	11.4	5.4						-1208724	SLU 20	-1206442	-3663634	0.139	Si
285	30.41	5.4	11.4	5.4						-1373712	SLU 20	-1275035	-3663634	0.139	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	5.4	2915040	SLV 7	2691026	2773116	0.1	-1851626	SLV 9	-1726106	-1872416	0.087	Si
19	15.21	5.4	22.81	5.4	2535378	SLV 7	2529885	2773116	0.1	-1640874	SLV 9	-1637926	-1872416	0.087	Si
23	15.21	5.4	22.81	5.4	2465050	SLV 7	2465050	2773116	0.1	-1602446	SLV 9	-1602446	-1872416	0.087	Si
38	15.21	5.4	22.81	5.4	2152888	SLV 7	2465050	2773116	0.1	-1432981	SLV 9	-1602446	-1872416	0.087	Si
57	15.21	5.4	22.81	5.4	1767580	SLV 7	2355940	2773116	0.1	-1227954	SLV 9	-1542828	-1872416	0.087	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
76	15.21	5.4	21.6	5.4	1379474	SLV 7	1972124	2630776	0.098	-1025816	SLV 9	-1336281	-1872463	0.087	Si
86	15.21	5.4	19.69	5.4	1184386	SLV 7	1779160	2403582	0.095	-925844	SLV 9	-1234084	-1872539	0.088	Si
105	15.21	5.4	11.4	5.4	792212	SLV 7	1391138	1422107	0.084	-728166	SLV 9	-1031859	-1873055	0.09	Si
124	15.21	5.4	11.4	5.4	397769	SLV 7	1000369	1422107	0.084	-533906	SLV 9	-832572	-1873055	0.09	Si
143	15.21	5.4	11.4	5.4	5229	SLV 11	607029	1422107	0.084	-347233	SLV 5	-636401	-1873055	0.09	Si
162	19.23	5.4	11.4	5.4	-147723	SLV 9	212271	1422107	0.084	-405835	SLV 7	-1023261	-2349434	0.097	Si
181	21.02	5.4	11.4	5.4	37478	SLV 9	317013	1422107	0.084	-808275	SLV 7	-1431231	-2561429	0.101	Si
200	22.81	5.4	11.4	5.4	220888	SLV 9	496314	1422107	0.084	-1214610	SLV 7	-1842156	-2773208	0.105	Si
209	22.81	5.4	11.4	5.4	311611	SLV 9	584919	1422107	0.084	-1418927	SLV 7	-2048705	-2773209	0.105	Si
228	27.16	5.4	11.4	5.4	490996	SLV 9	760021	1422107	0.084	-1829766	SLV 7	-2463960	-3286665	0.115	Si
247	28.95	5.4	11.4	5.4	667588	SLV 9	809483	1422107	0.084	-2243497	SLV 7	-2583225	-3495297	0.128	Si
263	30.41	5.4	11.4	5.4	809483	SLV 9	809483	1422107	0.084	-2583225	SLV 7	-2583225	-3663634	0.139	Si
266	30.41	5.4	11.4	5.4	841364	SLV 9	838862	1422107	0.084	-2660099	SLV 7	-2654161	-3663634	0.139	Si
285	30.41	5.4	11.4	5.4	1012314	SLV 9	911880	1422107	0.084	-3079559	SLV 7	-2830463	-3663634	0.139	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	5.4	1586417	SLD 7	1459829	2773116	0.1	-523003	SLD 9	-494910	-1872416	0.087	Si
19	15.21	5.4	22.81	5.4	1371323	SLD 7	1368183	2773116	0.1	-476820	SLD 9	-476224	-1872416	0.087	Si
23	15.21	5.4	22.81	5.4	1331309	SLD 7	1331309	2773116	0.1	-468706	SLD 9	-468706	-1872416	0.087	Si
38	15.21	5.4	22.81	5.4	1153393	SLD 7	1331309	2773116	0.1	-433486	SLD 9	-468706	-1872416	0.087	Si
57	15.21	5.4	22.81	5.4	932631	SLD 7	1269229	2773116	0.1	-393005	SLD 9	-456118	-1872416	0.087	Si
76	15.21	5.4	21.6	5.4	709046	SLD 7	1049967	2630776	0.098	-355388	SLD 9	-414124	-1872463	0.087	Si
86	15.21	5.4	19.69	5.4	596200	SLD 7	939275	2403582	0.095	-337658	SLD 9	-394198	-1872539	0.088	Si
105	15.21	5.4	11.4	5.4	368436	SLD 7	715774	1422107	0.084	-304390	SLD 9	-356495	-1873055	0.09	Si
124	15.21	5.4	11.4	5.4	138079	SLD 7	489472	1422107	0.084	-274215	SLD 9	-321675	-1873055	0.09	Si
143	15.21	5.4	11.4	5.4	-93035	SLD 11	260446	1422107	0.084	-248969	SLD 5	-459888	-1873055	0.09	Si
162	19.23	5.4	11.4	5.4	-219696	SLD 9	29199	1422107	0.084	-333861	SLD 7	-700401	-2349434	0.097	Si
181	21.02	5.4	11.4	5.4						-572515	SLD 7	-943919	-2561429	0.101	Si
200	22.81	5.4	11.4	5.4						-814470	SLD 7	-1190329	-2773208	0.105	Si
209	22.81	5.4	11.4	5.4						-936551	SLD 7	-1314609	-2773209	0.105	Si
228	27.16	5.4	11.4	5.4						-1182874	SLD 7	-1565311	-3286665	0.115	Si
247	28.95	5.4	11.4	5.4						-1432063	SLD 7	-1637546	-3495297	0.128	Si
263	30.41	5.4	11.4	5.4						-1637546	SLD 7	-1637546	-3663634	0.139	Si
266	30.41	5.4	11.4	5.4						-1684106	SLD 7	-1680521	-3663634	0.139	Si
285	30.41	5.4	11.4	5.4						-1939000	SLD 7	-1787329	-3663634	0.139	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	-5863	SLU 20	-5863	-13761	-76908	0	-13761	1	Si
19	0	19.69	0	-6058	SLU 20	-6058	-13102	-76908	0	-13102	1	Si
23	0.215	19.69	0	-6093	SLU 20	-6093	-13102	-76908	-25009	-25009	1	Si
38	0.215	11.4	0	-6252	SLU 20	-6252	-10922	-76908	-25009	-25009	1	Si
57	0.215	11.4	0	-6447	SLU 20	-6447	-10922	-76908	-25009	-25009	1	Si
76	0.215	11.4	0	-6641	SLU 20	-6641	-10922	-76908	-25009	-25009	1	Si
86	0.215	11.4	0	-6738	SLU 20	-6738	-10922	-76908	-25009	-25009	1	Si
105	0.221	11.4	0	-6933	SLU 20	-6933	-10922	-76908	-25676	-25676	1	Si
124	0.221	15.21	0	-7127	SLU 20	-7127	-12021	-76908	-25676	-25676	1	Si
143	0.221	15.21	0	-7322	SLU 20	-7322	-12021	-76908	-25676	-25676	1	Si
162	0.221	15.21	0	-7516	SLU 20	-7516	-12021	-76908	-25676	-25676	1	Si
181	0.221	15.21	0	-7711	SLU 20	-7711	-12021	-76908	-25676	-25676	1	Si
200	0.23	15.21	0	-7906	SLU 20	-7906	-12021	-76908	-26676	-26676	1	Si
209	0.23	15.21	0	-8003	SLU 20	-8003	-12021	-76908	-26676	-26676	1	Si
228	0.23	19.23	0	-8197	SLU 20	-8197	-12999	-76908	-26676	-26676	1	Si
247	0.23	21.02	0	-8392	SLU 20	-8392	-13391	-76908	-26676	-26676	1	Si
263	0.23	22.81	0	-8550	SLU 20	-8550	-13761	-76908	-26676	-26676	1	Si
266	0	22.81	0	-8586	SLU 20	-8586	-13761	-76908	0	-13761	1	Si
276	0	22.81	0	-8684	SLU 20	-8684	-13761	-76908	0	-13761	1	Si
285	0	26.26	0	-8781	SLU 20	-8781	-14423	-76908	0	-14423	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	11169	SLV 9	15209	12021	76908	0	12021	1	Si
0	0	22.81	0	-19910	SLV 7	-23950	-13761	-76908	0	-13761	1	Si
19	0	15.21	0	11020	SLV 9	15060	12021	76908	0	12021	1	Si
19	0	19.69	0	-20059	SLV 7	-24099	-13102	-76908	0	-13102	1	Si
23	0.215	15.21	0	10992	SLV 9	15032	12021	76908	25009	25009	1	Si
23	0.215	19.69	0	-20087	SLV 7	-24127	-13102	-76908	-25009	-25009	1	Si
38	0.215	15.21	0	10870	SLV 9	14910	12021	76908	25009	25009	1	Si
38	0.215	11.4	0	-20209	SLV 7	-24249	-10922	-76908	-25009	-25009	1	Si
57	0.215	15.21	0	10720	SLV 9	14761	12021	76908	25009	25009	1	Si
57	0.215	11.4	0	-20358	SLV 7	-24399	-10922	-76908	-25009	-25009	1	Si
76	0.215	15.21	0	10571	SLV 9	14611	12021	76908	25009	25009	1	Si
76	0.215	11.4	0	-20508	SLV 7	-24548	-10922	-76908	-25009	-25009	1	Si
86	0.215	15.21	0	10496	SLV 9	14536	12021	76908	25009	25009	1	Si
86	0.215	11.4	0	-20583	SLV 7	-24623	-10922	-76908	-25009	-25009	1	Si
105	0.221	15.21	0	10346	SLV 9	14386	12021	76908	25676	25676	1	Si
105	0.221	11.4	0	-20733	SLV 7	-24773	-10922	-76908	-25676	-25676	1	Si
124	0.221	15.21	0	10197	SLV 9	14237	12021	76908	25676	25676	1	Si
124	0.221	11.4	0	-20882	SLV 7	-24922	-10922	-76908	-25676	-25676	1	Si
143	0.221	15.21	0	10047	SLV 9	14087	12021	76908	25676	25676	1	Si
143	0.221	15.21	0	-21032	SLV 7	-25072	-12021	-76908	-25676	-25676	1	Si
162	0.221	15.21	0	9897	SLV 9	13938	12021	76908	25676	25676	1	Si
162	0.221	15.21	0	-21181	SLV 7	-25222	-12021	-76908	-25676	-25676	1	Si
181	0.221	11.4	0	9748	SLV 9	13788	10922	76908	25676	25676	1	Si
181	0.221	15.21	0	-21331	SLV 7	-25371	-12021	-76908	-25676	-25676	1	Si
200	0.23	11.4	0	9598	SLV 9	13638	10922	76908	26676	26676	1	Si
200	0.23	15.21	0	-21481	SLV 7	-25521	-12021	-76908	-26676	-26676	1	Si
209	0.23	11.4	0	9523	SLV 9	13564	10922	76908	26676	26676	1	Si
209	0.23	15.21	0	-21555	SLV 7	-25596	-12021	-76908	-26676	-26676	1	Si
228	0.23	11.4	0	9374	SLV 9	13414	10922	76908	26676	26676	1	Si
228	0.23	19.23	0	-21705	SLV 7	-25745	-12999	-76908	-26676	-26676	1	Si
247	0.23	11.4	0	9224	SLV 9	13264	10922	76908	26676	26676	1	Si
247	0.23	21.02	0	-21855	SLV 7	-25895	-13391	-76908	-26676	-26676	1	Si
263	0.23	11.4	0	9102	SLV 9	13142	10922	76908	26676	26676	1	Si
263	0.23	22.81	0	-21977	SLV 7	-26017	-13761	-76908	-26676	-26676	1	Si
266	0	11.4	0	9074	SLV 9	13115	10922	76908	0	10922	1	Si
266	0	22.81	0	-22004	SLV 7	-26045	-13761	-76908	0	-13761	1	Si
276	0	11.4	0	9000	SLV 9	13040	10922	76908	0	10922	1	Si
276	0	22.81	0	-22079	SLV 7	-26119	-13761	-76908	0	-13761	1	Si
285	0	11.4	0	8925	SLV 9	12965	10922	76908	0	10922	1	Si
285	0	26.26	0	-22154	SLV 7	-26194	-14423	-76908	0	-14423	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	2506	SLD 9	2506	12021	76908	0	12021	1	Si
0	0	22.81	0	-11247	SLD 7	-11247	-13761	-76908	0	-13761	1	Si
19	0	15.21	0	2357	SLD 9	2357	12021	76908	0	12021	1	Si
19	0	19.69	0	-11396	SLD 7	-11396	-13102	-76908	0	-13102	1	Si
23	0.215	15.21	0	2329	SLD 9	2329	12021	76908	25009	25009	1	Si
23	0.215	19.69	0	-11424	SLD 7	-11424	-13102	-76908	-25009	-25009	1	Si
38	0.215	15.21	0	2207	SLD 9	2207	12021	76908	25009	25009	1	Si
38	0.215	11.4	0	-11546	SLD 7	-11546	-10922	-76908	-25009	-25009	1	Si
57	0.215	15.21	0	2058	SLD 9	2058	12021	76908	25009	25009	1	Si
57	0.215	11.4	0	-11696	SLD 7	-11696	-10922	-76908	-25009	-25009	1	Si
76	0.215	15.21	0	1908	SLD 9	1908	12021	76908	25009	25009	1	Si
76	0.215	11.4	0	-11845	SLD 7	-11845	-10922	-76908	-25009	-25009	1	Si
86	0.215	15.21	0	1833	SLD 9	1833	12021	76908	25009	25009	1	Si
86	0.215	11.4	0	-11920	SLD 7	-11920	-10922	-76908	-25009	-25009	1	Si
105	0.221	15.21	0	1684	SLD 9	1684	12021	76908	25676	25676	1	Si
105	0.221	11.4	0	-12070	SLD 7	-12070	-10922	-76908	-25676	-25676	1	Si
124	0.221	15.21	0	1534	SLD 9	1534	12021	76908	25676	25676	1	Si
124	0.221	11.4	0	-12219	SLD 7	-12219	-10922	-76908	-25676	-25676	1	Si
143	0.221	15.21	0	1384	SLD 9	1384	12021	76908	25676	25676	1	Si
143	0.221	15.21	0	-12369	SLD 7	-12369	-12021	-76908	-25676	-25676	1	Si
162	0.221	15.21	0	1235	SLD 9	1235	12021	76908	25676	25676	1	Si
162	0.221	15.21	0	-12519	SLD 7	-12519	-12021	-76908	-25676	-25676	1	Si
181	0.221	15.21	0	1085	SLD 9	1085	12021	76908	25676	25676	1	Si
181	0.221	15.21	0	-12668	SLD 7	-12668	-12021	-76908	-25676	-25676	1	Si
200	0.23	15.21	0	935	SLD 9	935	12021	76908	26676	26676	1	Si
200	0.23	15.21	0	-12818	SLD 7	-12818	-12021	-76908	-26676	-26676	1	Si
209	0.23	15.21	0	861	SLD 9	861	12021	76908	26676	26676	1	Si
209	0.23	15.21	0	-12893	SLD 7	-12893	-12021	-76908	-26676	-26676	1	Si
228	0.23	19.23	0	711	SLD 9	711	12999	76908	26676	26676	1	Si
228	0.23	19.23	0	-13042	SLD 7	-13042	-12999	-76908	-26676	-26676	1	Si
247	0.23	21.02	0	561	SLD 9	561	13391	76908	26676	26676	1	Si
247	0.23	21.02	0	-13192	SLD 7	-13192	-13391	-76908	-26676	-26676	1	Si
263	0.23	22.81	0	439	SLD 9	439	13761	76908	26676	26676	1	Si
263	0.23	22.81	0	-13314	SLD 7	-13314	-13761	-76908	-26676	-26676	1	Si
266	0	22.81	0	412	SLD 9	412	13761	76908	0	13761	1	Si
266	0	22.81	0	-13342	SLD 7	-13342	-13761	-76908	0	-13761	1	Si
276	0	22.81	0	337	SLD 9	337	13761	76908	0	13761	1	Si
276	0	22.81	0	-13416	SLD 7	-13416	-13761	-76908	0	-13761	1	Si
285	0	26.26	0	262	SLD 9	262	14423	76908	0	14423	1	Si
285	0	26.26	0	-13491	SLD 7	-13491	-14423	-76908	0	-14423	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	535803	2	486202	12.6	124.5	368.9	1837	531707	2	482460	12.5	93.4	0	+∞	Si
19	450751	2	449470	11.7	124.5	341.1	1837	447252	2	445980	11.6	93.4	0	+∞	Si
23	434690	2	434690	11.3	124.5	329.8	1837	431302	2	431302	11.2	93.4	0	+∞	Si
38	362855	2	434690	11.3	124.5	329.8	1837	359954	2	431302	11.2	93.4	0	+∞	Si
57	272116	2	409774	10.7	124.5	310.9	1837	269813	2	406556	10.6	93.4	0	+∞	Si
76	178535	2	320542	8.5	124.5	256.2	1837	176829	2	317922	8.4	93.4	0	+∞	Si
86	130678	2	274860	7.5	124.5	240.2	1837	129271	2	272538	7.4	93.4	0	+∞	Si
105	32832	2	181364	6	124.5	268.6	1837	32023	2	179640	5.9	93.4	0	+∞	Si
124	-69091	8	-227637	7.1	124.5	256	1837	-68386	1	-226730	7.1	93.4	0	+∞	Si
143	-171642	3	-335425	10.4	124.5	377.2	1837	-171002	2	-334013	10.4	93.4	0	+∞	Si
162	-277923	3	-446055	12.8	124.5	400.4	1837	-276779	2	-444139	12.8	93.4	0	+∞	Si
181	-387047	3	-559604	15.7	124.5	461.3	1837	-385398	2	-557109	15.6	93.4	0	+∞	Si
200	-499040	2	-676014	18.4	124.5	515.3	1837	-496861	2	-672921	18.3	93.4	0	+∞	Si
209	-556136	2	-735285	20	124.5	560.5	1837	-553658	2	-731893	20	93.4	0	+∞	Si
228	-672460	2	-855959	22.1	124.5	552.5	1837	-669385	2	-851969	22	93.4	0	+∞	Si
247	-791627	2	-891031	22.6	124.5	541.2	1837	-787955	2	-886871	22.5	93.4	0	+∞	Si
263	-891031	2	-891031	22.3	124.5	516.5	1837	-886871	2	-886871	22.2	93.4	0	+∞	Si
266	-913638	2	-911911	22.8	124.5	528.6	1837	-909367	2	-907649	22.7	93.4	0	+∞	Si
285	-1038491	2	-963806	24.1	124.5	558.7	1837	-1033623	2	-959292	24	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
38	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
57	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
76	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
86	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
105	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
124	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
143	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	1	-0.01	1	9999	Si
162	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.012	1	9999	Si
181	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
200	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
209	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
228	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.012	1	9999	Si
247	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.009	1	-0.01	1	9999	Si
263	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
266	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-4547	-19580	-25009	SLV 7	0.38	792	1.045	431302	-2033748	-1872416	SLV 9	0.41	964	1.132	Si
38	-4669	-19580	-25009	SLV 7	0.38	781	1.039	431302	-2033748	-1872416	SLV 9	0.41	964	1.132	Si
57	-4819	-19580	-25009	SLV 7	0.37	767	1.031	406556	-1949384	-1872416	SLV 9	0.42	1047	1.171	Si
76	-4969	-19580	-25009	SLV 7	0.37	753	1.023	317922	-1654202	-1872463	SLV 9	0.48	1456	1.341	Si
86	-5044	-19580	-25009	SLV 7	0.37	746	1.019	272538	1506622	2403582	SLV 7	0.51	1737	1.441	Si
105	-5193	-19580	-25676	SLV 7	0.38	794	1.046	179640	1211498	1422107	SLV 7	0.37	757	1.025	Si
124	-5343	-19580	-25676	SLV 7	0.38	780	1.038	83898	916471	1422107	SLV 7	0.52	1892	1.493	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
143	-5492	-19580	-25676	SLV 7	0.37	766	1.03	-14686	621715	1422107	SLV 7	0.57	2474	1.666	Si
162	-5642	-19580	-25676	SLV 7	0.37	752	1.023	-444139	579121	1422107	SLV 9	0.57	2474	1.666	Si
181	-5792	-19580	-25676	SLV 7	0.37	739	1.015	-557109	874122	1422107	SLV 9	0.57	2474	1.666	Si
200	-5941	-19580	-26676	SLV 7	0.38	818	1.059	-672921	1169235	1422107	SLV 9	0.57	2474	1.666	Si
209	-6016	-19580	-26676	SLV 7	0.38	811	1.055	-731893	-1316812	-2773209	SLV 7	0.55	2220	1.594	Si
228	-6166	-19580	-26676	SLV 7	0.38	797	1.047	-851969	1611990	1422107	SLV 9	0.5	1725	1.437	Si
247	-6315	-19580	-26676	SLV 7	0.38	783	1.04	-886871	1696354	1422107	SLV 9	0.49	1568	1.382	Si
263	-6437	-19580	-26676	SLV 7	0.38	771	1.033	-886871	1696354	1422107	SLV 9	0.49	1568	1.382	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-4547	-6877	-25009	SLD 7	0.4	901	2.771	431302	-900007	-1872416	SLD 9	0.35	625	2.385	Si
38	-4669	-6877	-25009	SLD 7	0.4	889	2.756	431302	-900007	-1872416	SLD 9	0.35	625	2.385	Si
57	-4819	-6877	-25009	SLD 7	0.39	873	2.736	406556	-862674	-1872416	SLD 9	0.36	675	2.462	Si
76	-4969	-6877	-25009	SLD 7	0.39	857	2.715	317922	-732046	-1872463	SLD 9	0.4	914	2.787	Si
86	-5044	-6877	-25009	SLD 7	0.39	849	2.704	272538	666737	2403582	SLD 7	0.43	1085	2.991	Si
105	-5193	-6877	-25676	SLD 7	0.4	904	2.775	179640	536135	1422107	SLD 7	0.31	493	2.164	Si
124	-5343	-6877	-25676	SLD 7	0.4	888	2.755	83898	405574	1422107	SLD 7	0.44	1181	3.096	Si
143	-5492	-6877	-25676	SLD 7	0.39	872	2.734	-14686	275132	1422107	SLD 7	0.6	2474	4.193	Si
162	-5642	-6877	-25676	SLD 7	0.39	856	2.714	-444139	256261	1422107	SLD 9	0.6	2474	4.193	Si
181	-5792	-6877	-25676	SLD 7	0.39	841	2.694	-557109	386810	1422107	SLD 9	0.6	2474	4.193	Si
200	-5941	-6877	-26676	SLD 7	0.4	931	2.809	-672921	517408	1422107	SLD 9	0.54	2038	3.873	Si
209	-6016	-6877	-26676	SLD 7	0.4	923	2.799	-731893	-582716	-2773209	SLD 7	0.47	1384	3.304	Si
228	-6166	-6877	-26676	SLD 7	0.4	907	2.779	-851969	713342	1422107	SLD 9	0.43	1077	2.981	Si
247	-6315	-6877	-26676	SLD 7	0.4	891	2.759	-886871	750675	1422107	SLD 9	0.41	978	2.866	Si
263	-6437	-6877	-26676	SLD 7	0.4	877	2.741	-886871	750675	1422107	SLD 9	0.41	978	2.866	Si

Campata 2 tra i fili 71B - 62B, sezione R 45x70, asta 958

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	11.4	5.4						-976804	SLU 21	-924613	-3663634	0.139	Si
23	30.41	5.4	11.4	5.4						-874323	SLU 21	-874323	-3663634	0.139	Si
57	27.16	5.4	11.4	5.4						-725501	SLU 21	-849591	-3286665	0.115	Si
114	15.21	5.4	11.4	5.4						-507460	SLU 21	-614587	-1873055	0.09	Si
171	15.05	5.4	11.4	5.4						-322681	SLU 21	-412844	-1854609	0.09	Si
228	7.6	5.4	11.4	5.4						-171163	SLU 21	-244363	-970824	0.078	Si
256	7.6	5.4	11.4	5.4						-107877	SLU 21	-172595	-970824	0.078	Si
313	7.6	5.4	11.4	5.4	6961	SLU 10	43228	1422093	0.084	-6252	SLU 21	-54006	-970824	0.078	Si
370	7.6	5.4	11.4	5.4	71602	SLU 28	92496	1422093	0.084						Si
427	7.6	5.4	11.4	5.4	104686	SLU 33	108894	1422093	0.084						Si
484	7.6	5.4	11.4	5.4	104805	SLU 35	108894	1422093	0.084						Si
541	7.6	5.4	11.4	5.4	72147	SLU 36	92648	1422093	0.084						Si
598	7.6	5.4	11.4	5.4	7790	SLU 18	44220	1422093	0.084	141	SLU 19	-46627	-970824	0.078	Si
655	12.36	5.4	11.4	5.4						-99551	SLU 19	-163283	-1535924	0.085	Si
684	15.05	5.4	11.4	5.4						-161870	SLU 19	-234083	-1854609	0.09	Si
741	15.21	5.4	13.29	5.4						-311454	SLU 19	-400631	-1872886	0.089	Si
798	19.56	5.4	10.77	5.4						-494300	SLU 19	-600440	-2388617	0.099	Si
832	22.81	5.4	15.21	5.4						-621820	SLU 19	-621820	-2773116	0.1	Si
855	22.81	5.4	15.21	5.4						-710408	SLU 19	-665163	-2773116	0.1	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	11.4	5.4	571834	SLV 11	571834	1422107	0.084	-2053219	SLV 5	-1977113	-3663634	0.139	Si
23	30.41	5.4	11.4	5.4	577885	SLV 11	580536	1422107	0.084	-1902353	SLV 5	-1902353	-3663634	0.139	Si
57	27.16	5.4	11.4	5.4	580780	SLV 11	580780	1422107	0.084	-1677436	SLV 5	-1865944	-3286665	0.115	Si
114	15.21	5.4	11.4	5.4	564210	SLV 11	575785	1422107	0.084	-1327308	SLV 5	-1502729	-1873055	0.09	Si
171	15.05	5.4	11.4	5.4	522151	SLV 11	546721	1422107	0.084	-1002864	SLV 5	-1165182	-1854609	0.09	Si
228	7.6	5.4	11.4	5.4	454646	SLV 11	492187	1422093	0.084	-704145	SLV 5	-853337	-970824	0.078	Si
256	7.6	5.4	11.4	5.4	411374	SLV 11	455385	1422093	0.084	-564455	SLV 5	-707068	-970824	0.078	Si
313	7.6	5.4	11.4	5.4	305876	SLV 11	362766	1422093	0.084	-304502	SLV 5	-433896	-970824	0.078	Si
370	7.6	5.4	11.4	5.4	175614	SLV 11	244984	1422093	0.084	-70955	SLV 5	-186732	-970824	0.078	Si
427	7.6	5.4	11.4	5.4	184768	SLV 9	276988	1422093	0.084	-27996	SLV 7	-113468	-970824	0.078	Si
484	7.6	5.4	11.4	5.4	360056	SLV 9	440256	1422093	0.084	-202344	SLV 7	-301893	-970824	0.078	Si
541	7.6	5.4	11.4	5.4	511519	SLV 9	579441	1422093	0.084	-404037	SLV 7	-517407	-970824	0.078	Si
598	7.6	5.4	11.4	5.4	638938	SLV 9	694617	1422093	0.084	-632859	SLV 7	-760083	-970824	0.078	Si
627	7.6	5.4	11.4	5.4	693644	SLV 9	743166	1422093	0.084	-757456	SLV 7	-891571	-970824	0.078	Si
655	12.36	5.4	11.4	5.4	742314	SLV 9	785636	1422094	0.084	-888810	SLV 7	-1029773	-1535924	0.085	Si
684	15.05	5.4	11.4	5.4	784906	SLV 9	821975	1422107	0.084	-1026878	SLV 7	-1174638	-1854609	0.09	Si
741	15.21	5.4	13.29	5.4	851657	SLV 9	876081	1645275	0.086	-1322961	SLV 7	-1484173	-1872886	0.089	Si
798	19.56	5.4	10.77	5.4	893539	SLV 9	905175	1347014	0.083	-1645346	SLV 7	-1819869	-2388617	0.099	Si
832	22.81	5.4	15.21	5.4	906171	SLV 9	906171	1872416	0.087	-1853680	SLV 7	-1853680	-2773116	0.1	Si
855	22.81	5.4	15.21	5.4	910298	SLV 9	907081	1872416	0.087	-1993781	SLV 7	-1921115	-2773116	0.1	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	11.4	5.4						-1321536	SLD 5	-1265580	-3663634	0.139	Si
23	30.41	5.4	11.4	5.4						-1211034	SLD 5	-1211034	-3663634	0.139	Si
57	27.16	5.4	11.4	5.4						-1048001	SLD 5	-1184367	-3286665	0.115	Si
114	15.21	5.4	11.4	5.4	36985	SLD 11	70762	1422107	0.084	-800084	SLD 5	-923383	-1873055	0.09	Si
171	15.05	5.4	11.4	5.4	97082	SLD 11	117839	1422107	0.084	-577795	SLD 5	-688022	-1854609	0.09	Si
228	7.6	5.4	11.4	5.4	131654	SLD 11	139406	1422093	0.084	-381154	SLD 5	-478297	-970824	0.078	Si
256	7.6	5.4	11.4	5.4	139379	SLD 11	140738	1422093	0.084	-292461	SLD 5	-383056	-970824	0.078	Si
313	7.6	5.4	11.4	5.4	135744	SLD 11	140738	1422093	0.084	-134369	SLD 5	-211840	-970824	0.078	Si
370	7.6	5.4	11.4	5.4	106886	SLD 11	124650	1422093	0.084	-2227	SLD 5	-66398	-970824	0.078	Si
427	7.6	5.4	11.4	5.4	125462	SLD 9	168154	1422093	0.084	31310	SLD 7	-4634	-970824	0.078	Si
484	7.6	5.4	11.4	5.4	203297	SLD 9	233395	1422093	0.084	-45584	SLD 7	-95032	-970824	0.078	Si
541	7.6	5.4	11.4	5.4	256324	SLD 9	273716	1422093	0.084	-148843	SLD 7	-211681	-970824	0.078	Si
598	7.6	5.4	11.4	5.4	284449	SLD 9	289178	1422093	0.084	-278370	SLD 7	-354613	-970824	0.078	Si
655	12.36	5.4	11.4	5.4	287670	SLD 9	289178	1422094	0.084	-434166	SLD 7	-523763	-1535924	0.085	Si
684	15.05	5.4	11.4	5.4	279907	SLD 9	287700	1422107	0.084	-521879	SLD 7	-618121	-1854609	0.09	Si
741	15.21	5.4	13.29	5.4	245525	SLD 9	266146	1645275	0.086	-716829	SLD 7	-826299	-1872886	0.089	Si
769	15.21	5.4	15.21	5.4	218867	SLD 9	245932	1872761	0.089	-824026	SLD 7	-940085	-1872764	0.089	Si
798	19.56	5.4	10.77	5.4	185875	SLD 9	219400	1347014	0.083	-937683	SLD 7	-1060317	-2388617	0.099	Si
832	22.81	5.4	15.21	5.4	136917	SLD 9	178380	1872416	0.087	-1084426	SLD 7	-1084426	-2773116	0.1	Si
855	22.81	5.4	15.21	5.4	100844	SLD 9	100844	1872416	0.087	-1184327	SLD 7	-1132812	-2773116	0.1	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	27.16	0	4701	SLU 21	4701	14585	76908	0	14585	1	Si
23	0.068	20.31	0	4470	SLU 21	4470	13239	76908	7925	13239	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
57	0.068	15.21	0	4117	SLU 21	4117	12021	76908	7925	12021	1	Si
114	0.068	15.05	0	3534	SLU 21	3534	11980	76908	7925	11980	1	Si
171	0.068	7.6	0	2950	SLU 21	2950	9541	76908	7925	9541	1	Si
228	0.068	7.6	0	2366	SLU 21	2366	9541	76908	7925	9541	1	Si
256	0.068	7.6	0	2075	SLU 21	2075	9541	76908	7925	9541	1	Si
313	0.068	7.6	0	1491	SLU 21	1491	9541	76908	7925	9541	1	Si
370	0.068	11.4	0	908	SLU 21	908	10922	76908	7925	10922	1	Si
427	0.068	11.4	0	324	SLU 21	324	10922	76908	7925	10922	1	Si
484	0.068	11.4	0	-297	SLU 28	-297	-10922	-76908	-7925	-10922	1	Si
541	0.068	11.4	0	-881	SLU 28	-881	-10922	-76908	-7925	-10922	1	Si
598	0.068	11.4	0	-1464	SLU 28	-1464	-10922	-76908	-7925	-10922	1	Si
655	0.068	7.6	0	-2048	SLU 28	-2048	-9541	-76908	-7925	-9541	1	Si
684	0.068	7.6	0	-2339	SLU 28	-2339	-9541	-76908	-7925	-9541	1	Si
741	0.068	15.05	0	-2923	SLU 28	-2923	-11980	-76908	-7925	-11980	1	Si
798	0.068	15.21	0	-3507	SLU 28	-3507	-12021	-76908	-7925	-12021	1	Si
832	0.068	15.21	0	-3860	SLU 28	-3860	-12021	-76908	-7925	-12021	1	Si
855	0	19.56	0	-4090	SLU 28	-4090	-13073	-76908	0	-13073	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	27.16	0	6823	SLV 5	7661	14585	76908	0	14585	1	Si
0	0	11.4	0	376	SLV 11	-462	-10922	-76908	0	-10922	1	Si
23	0.068	20.31	0	6645	SLV 5	7483	13239	76908	7925	13239	1	Si
23	0.068	11.4	0	199	SLV 11	-639	-10922	-76908	-7925	-10922	1	Si
57	0.068	15.21	0	6374	SLV 5	7212	12021	76908	7925	12021	1	Si
57	0.068	11.4	0	-73	SLV 11	-911	-10922	-76908	-7925	-10922	1	Si
114	0.068	15.05	0	5925	SLV 5	6763	11980	76908	7925	11980	1	Si
114	0.068	11.4	0	-522	SLV 11	-1360	-10922	-76908	-7925	-10922	1	Si
171	0.068	7.6	0	5476	SLV 5	6314	9541	76908	7925	9541	1	Si
171	0.068	11.4	0	-971	SLV 11	-1809	-10922	-76908	-7925	-10922	1	Si
228	0.068	7.6	0	5027	SLV 5	5865	9541	76908	7925	9541	1	Si
228	0.068	11.4	0	-1420	SLV 11	-2258	-10922	-76908	-7925	-10922	1	Si
256	0.068	7.6	0	4803	SLV 5	5641	9541	76908	7925	9541	1	Si
256	0.068	11.4	0	-1644	SLV 11	-2482	-10922	-76908	-7925	-10922	1	Si
313	0.068	7.6	0	4354	SLV 5	5192	9541	76908	7925	9541	1	Si
313	0.068	11.4	0	-2093	SLV 11	-2931	-10922	-76908	-7925	-10922	1	Si
370	0.068	7.6	0	3905	SLV 5	4743	9541	76908	7925	9541	1	Si
370	0.068	11.4	0	-2542	SLV 11	-3380	-10922	-76908	-7925	-10922	1	Si
427	0.068	11.4	0	3456	SLV 5	4294	10922	76908	7925	10922	1	Si
427	0.068	11.4	0	-2991	SLV 11	-3829	-10922	-76908	-7925	-10922	1	Si
484	0.068	11.4	0	3007	SLV 5	3845	10922	76908	7925	10922	1	Si
484	0.068	7.6	0	-3439	SLV 11	-4278	-9541	-76908	-7925	-9541	1	Si
541	0.068	11.4	0	2558	SLV 5	3396	10922	76908	7925	10922	1	Si
541	0.068	7.6	0	-3888	SLV 11	-4726	-9541	-76908	-7925	-9541	1	Si
598	0.068	11.4	0	2109	SLV 5	2947	10922	76908	7925	10922	1	Si
598	0.068	7.6	0	-4337	SLV 11	-5175	-9541	-76908	-7925	-9541	1	Si
655	0.068	11.4	0	1660	SLV 5	2499	10922	76908	7925	10922	1	Si
655	0.068	7.6	0	-4786	SLV 11	-5624	-9541	-76908	-7925	-9541	1	Si
684	0.068	11.4	0	1436	SLV 5	2274	10922	76908	7925	10922	1	Si
684	0.068	7.6	0	-5011	SLV 11	-5849	-9541	-76908	-7925	-9541	1	Si
741	0.068	10.77	0	987	SLV 5	1825	10716	76908	7925	10716	1	Si
741	0.068	15.05	0	-5459	SLV 11	-6297	-11980	-76908	-7925	-11980	1	Si
798	0.068	13.29	0	538	SLV 5	1376	11492	76908	7925	11492	1	Si
798	0.068	15.21	0	-5908	SLV 11	-6746	-12021	-76908	-7925	-12021	1	Si
832	0.068	15.21	0	267	SLV 5	1105	12021	76908	7925	12021	1	Si
832	0.068	15.21	0	-6180	SLV 11	-7018	-12021	-76908	-7925	-12021	1	Si
855	0	10.77	0	89	SLV 5	927	10716	76908	0	10716	1	Si
855	0	19.56	0	-6357	SLV 11	-7195	-13073	-76908	0	-13073	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	27.16	0	5026	SLD 5	5026	14585	76908	0	14585	1	Si
23	0.068	20.31	0	4849	SLD 5	4849	13239	76908	7925	13239	1	Si
57	0.068	15.21	0	4577	SLD 5	4577	12021	76908	7925	12021	1	Si
114	0.068	15.05	0	4128	SLD 5	4128	11980	76908	7925	11980	1	Si
171	0.068	7.6	0	3679	SLD 5	3679	9541	76908	7925	9541	1	Si
228	0.068	7.6	0	3230	SLD 5	3230	9541	76908	7925	9541	1	Si
256	0.068	7.6	0	3006	SLD 5	3006	9541	76908	7925	9541	1	Si
313	0.068	7.6	0	2557	SLD 5	2557	9541	76908	7925	9541	1	Si
313	0.068	11.4	0	-296	SLD 11	-296	-10922	-76908	-7925	-10922	1	Si
370	0.068	7.6	0	2108	SLD 5	2108	9541	76908	7925	9541	1	Si
370	0.068	11.4	0	-745	SLD 11	-745	-10922	-76908	-7925	-10922	1	Si
427	0.068	11.4	0	1659	SLD 5	1659	10922	76908	7925	10922	1	Si
427	0.068	11.4	0	-1194	SLD 11	-1194	-10922	-76908	-7925	-10922	1	Si
484	0.068	11.4	0	1210	SLD 5	1210	10922	76908	7925	10922	1	Si
484	0.068	7.6	0	-1643	SLD 11	-1643	-9541	-76908	-7925	-9541	1	Si
541	0.068	11.4	0	761	SLD 5	761	10922	76908	7925	10922	1	Si
541	0.068	7.6	0	-2091	SLD 11	-2091	-9541	-76908	-7925	-9541	1	Si
598	0.068	11.4	0	313	SLD 5	313	10922	76908	7925	10922	1	Si
598	0.068	7.6	0	-2540	SLD 11	-2540	-9541	-76908	-7925	-9541	1	Si
655	0.068	7.6	0	-2989	SLD 11	-2989	-9541	-76908	-7925	-9541	1	Si
684	0.068	7.6	0	-3214	SLD 11	-3214	-9541	-76908	-7925	-9541	1	Si
741	0.068	15.05	0	-3663	SLD 11	-3663	-11980	-76908	-7925	-11980	1	Si
798	0.068	15.21	0	-4111	SLD 11	-4111	-12021	-76908	-7925	-12021	1	Si
832	0.068	15.21	0	-4383	SLD 11	-4383	-12021	-76908	-7925	-12021	1	Si
855	0	19.56	0	-4560	SLD 11	-4560	-13073	-76908	0	-13073	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-745463	3	-705395	17.6	124.5	408.9	1837	-740692	2	-700732	17.5	93.4	0	+∞	Si
23	-666788	3	-666788	16.7	124.5	386.5	1837	-662234	2	-662234	16.5	93.4	0	+∞	Si
57	-552550	3	-647801	16.7	124.5	418.1	1837	-548328	2	-643300	16.6	93.4	0	+∞	Si
114	-385223	3	-467425	14.6	124.5	525.6	1837	-381549	2	-463472	14.4	93.4	0	+∞	Si
171	-243481	3	-312635	9.8	124.5	355.1	1837	-240357	2	-309231	9.7	93.4	0	+∞	Si
228	-127326	3	-183431	4.1	124.5	63.6	1837	-124750	2	-180575	7.2	93.4	0	+∞	Si
256	-78843	3	-128423	2.9	124.5	44.5	1837	-76541	2	-125842	5.1	93.4	0	+∞	Si
313	2885	1	32043	1.2	124.5	47.7	1837	2885	1	32043	1.2	93.4	0	+∞	Si
313	-1066	3	-37598	0.8	124.5	13	1837								Si
370	53911	1	70027	2.5	124.5	104.3	1837	53911	1	70020	2.5	93.4	0	+∞	Si
427	79434	6	82694	3	124.5	123.1	1837	79351	1	82477	3	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
484	79570	8	82694	3	124.5	123.1	1837	79206	1	82477	3	93.4	0	+∞	Si
541	54442	9	70239	2.5	124.5	104.6	1837	53741	2	69731	2.5	93.4	0	+∞	Si
598	4137	9	32927	1.2	124.5	49	1837	3039	2	32031	1.2	93.4	0	+∞	Si
655	-74747	1	-123882	4.1	124.5	170.1	1837	-74747	1	-123882	4.1	93.4	0	+∞	Si
684	-122793	1	-178453	5.6	124.5	202.7	1837	-122793	1	-178453	5.6	93.4	0	+∞	Si
741	-238075	1	-306784	9.3	124.5	344.4	1837	-238075	1	-306784	9.3	93.4	0	+∞	Si
798	-378943	1	-460701	13.3	124.5	407.2	1837	-378943	1	-460701	13.3	93.4	0	+∞	Si
832	-477167	1	-477167	12.4	124.5	362.1	1837	-477167	1	-477167	12.4	93.4	0	+∞	Si
855	-545397	1	-510551	13.3	124.5	387.4	1837	-545397	1	-510551	13.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
57	-0.009	-0.009	-0.008	-0.009	-0.009	-0.009	-0.008	-0.009	-0.009	-0.009	-0.02	1	-0.02	1	9999	Si
114	-0.014	-0.014	-0.013	-0.013	-0.014	-0.014	-0.013	-0.013	-0.014	-0.014	-0.03	1	-0.031	1	9999	Si
171	-0.015	-0.016	-0.014	-0.015	-0.015	-0.015	-0.014	-0.014	-0.015	-0.015	-0.034	1	-0.035	1	9999	Si
228	-0.014	-0.015	-0.014	-0.014	-0.014	-0.015	-0.014	-0.014	-0.014	-0.015	-0.033	1	-0.034	1	9999	Si
256	-0.013	-0.014	-0.013	-0.014	-0.013	-0.014	-0.013	-0.013	-0.013	-0.014	-0.031	1	-0.032	1	9999	Si
313	-0.011	-0.012	-0.011	-0.012	-0.011	-0.012	-0.011	-0.012	-0.011	-0.012	-0.027	1	-0.028	1	9999	Si
370	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.023	1	-0.024	1	9999	Si
427	-0.008	-0.009	-0.009	-0.009	-0.008	-0.008	-0.009	-0.009	-0.008	-0.008	-0.02	1	-0.021	1	9999	Si
484	-0.007	-0.008	-0.008	-0.008	-0.007	-0.008	-0.008	-0.008	-0.007	-0.008	-0.019	1	-0.019	1	9999	Si
541	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.019	1	-0.019	1	9999	Si
598	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.02	1	-0.02	1	9999	Si
655	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.021	1	-0.021	1	9999	Si
684	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.021	1	-0.021	1	9999	Si
741	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.019	2	-0.019	2	9999	Si
798	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.013	2	-0.013	2	9999	Si
832	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3422	4061	13239	SLV 5	0.57	2474	1.666	-662234	1240119	1422107	SLV 11	0.57	2474	1.666	Si
57	3150	4061	12021	SLV 5	0.57	2474	1.666	-548328	1129108	1422107	SLV 11	0.57	2474	1.666	Si
114	2702	4061	11980	SLV 5	0.57	2474	1.666	-463472	-1039257	-1873055	SLV 5	0.49	1553	1.377	Si
171	2253	4061	9541	SLV 5	0.57	2474	1.666	-309231	-855952	-1854609	SLV 5	0.57	2474	1.666	Si
228	1804	4061	9541	SLV 5	0.57	2474	1.666	-180575	-672762	-970824	SLV 5	0.42	1061	1.178	Si
256	1579	4061	9541	SLV 5	0.57	2474	1.666	-125842	-581226	-970824	SLV 5	0.52	1870	1.486	Si
313	1130	4061	9541	SLV 5	0.57	2474	1.666	-35565	-398331	-970824	SLV 5	0.57	2474	1.666	Si
370	682	4061	9541	SLV 5	0.57	2474	1.666	29126	-215858	-970824	SLV 5	0.57	2474	1.666	Si
427	233	4061	10922	SLV 5	0.57	2474	1.666	81760	-195228	-970824	SLV 7	0.57	2474	1.666	Si
484	-216	-4061	-9541	SLV 11	0.57	2474	1.666	69182	-371074	-970824	SLV 7	0.57	2474	1.666	Si
541	-665	-4061	-9541	SLV 11	0.57	2474	1.666	31017	-548424	-970824	SLV 7	0.57	2474	1.666	Si
598	-1114	-4061	-9541	SLV 11	0.57	2474	1.666	-32733	-727350	-970824	SLV 7	0.46	1358	1.303	Si
655	-1563	-4061	-9541	SLV 11	0.57	2474	1.666	-122069	-907704	-1535924	SLV 7	0.55	2249	1.603	Si
684	-1787	-4061	-9541	SLV 11	0.57	2474	1.666	-176331	998307	1422107	SLV 9	0.57	2421	1.652	Si
741	-2236	-4061	-11980	SLV 11	0.57	2474	1.666	-304046	-1180127	-1872886	SLV 7	0.48	1472	1.347	Si
798	-2685	-4061	-12021	SLV 11	0.57	2474	1.666	-457347	1362522	1347014	SLV 9	0.48	1457	1.341	Si
832	-2957	-4061	-12021	SLV 11	0.57	2474	1.666	-473754	-1379926	-2773116	SLV 7	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3422	1426	13239	SLD 5	0.6	2474	4.193	-662234	548800	1422107	SLD 11	0.5	1717	3.61	Si
57	3150	1426	12021	SLD 5	0.6	2474	4.193	-643300	541067	1422107	SLD 11	0.51	1741	3.63	Si
114	2702	1426	11980	SLD 5	0.6	2474	4.193	-463472	-459911	-1873055	SLD 5	0.41	970	2.856	Si
171	2253	1426	9541	SLD 5	0.6	2474	4.193	-309231	-378791	-1854609	SLD 5	0.54	2080	3.905	Si
228	1804	1426	9541	SLD 5	0.6	2474	4.193	-180575	-297722	-970824	SLD 5	0.36	682	2.472	Si
256	1579	1426	9541	SLD 5	0.6	2474	4.193	-125842	-257214	-970824	SLD 5	0.44	1168	3.082	Si
313	1130	1426	9541	SLD 5	0.6	2474	4.193	-35565	-176276	-970824	SLD 5	0.6	2474	4.193	Si
370	682	1426	9541	SLD 5	0.6	2474	4.193	29126	-95524	-970824	SLD 5	0.6	2474	4.193	Si
427	233	1426	10922	SLD 5	0.6	2474	4.193	81760	-86394	-970824	SLD 7	0.6	2474	4.193	Si
484	-216	-1426	-9541	SLD 11	0.6	2474	4.193	69182	-164214	-970824	SLD 7	0.6	2474	4.193	Si
541	-665	-1426	-9541	SLD 11	0.6	2474	4.193	31017	-242698	-970824	SLD 7	0.55	2146	3.955	Si
598	-1114	-1426	-9541	SLD 11	0.6	2474	4.193	-32733	-321880	-970824	SLD 7	0.39	857	2.715	Si
655	-1563	-1426	-9541	SLD 11	0.6	2474	4.193	-122069	-401695	-1535924	SLD 7	0.47	1401	3.321	Si
684	-1787	-1426	-9541	SLD 11	0.6	2474	4.193	-176331	441790	1422107	SLD 9	0.48	1508	3.423	Si
741	-2236	-1426	-11980	SLD 11	0.6	2474	4.193	-304046	-522253	-1872886	SLD 7	0.4	923	2.799	Si
798	-2685	-1426	-12021	SLD 11	0.6	2474	4.193	-457347	602970	1347014	SLD 9	0.4	914	2.787	Si
832	-2957	-1426	-12021	SLD 11	0.6	2474	4.193	-473754	-610672	-2773116	SLD 7	0.5	1678	3.576	Si

Campata 3 tra i fili 62B - 53, sezione R 45x70, asta 959

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4						-997141	SLU 35	-938672	-2773116	0.1	Si
23	22.81	5.4	15.21	5.4						-882028	SLU 35	-882028	-2773116	0.1	Si
58	19.43	5.4	13.58	5.4						-709302	SLU 36	-847454	-2373462	0.096	Si
88	15.21	5.4	11.4	5.4						-579574	SLU 36	-708872	-1873055	0.09	Si
117	15.21	5.4	11.4	5.4						-458555	SLU 36	-579173	-1873055	0.09	Si
175	12.43	5.4	11.4	5.4						-244837	SLU 29	-346284	-1543376	0.085	Si
233	7.6	5.4	11.4	5.4	-31788	SLU 4	39764	1422093	0.084	-67578	SLU 29	-151574	-970824	0.078	Si
263	7.6	5.4	11.4	5.4	40026	SLU 22	110590	1422093	0.084	-2898	SLU 11	-67328	-970824	0.078	Si
321	7.6	5.4	11.4	5.4	173279	SLU 26	226844	1422093	0.084						Si
379	7.6	5.4	11.4	5.4	272058	SLU 26	308263	1422093	0.084						Si
438	7.6	5.4	11.4	5.4	336001	SLU 26	354846	1422093	0.084						Si
496	7.6	5.4	11.4	5.4	365108	SLU 26	366593	1422093	0.084						Si
554	7.6	5.4	11.4	5.4	359379	SLU 26	366574	1422093	0.084						Si
613	7.6	5.4	11.4	5.4	318814	SLU 26	343369	1422093	0.084						Si
671	7.6	5.4	11.4	5.4	243413	SLU 26	285329	1422093	0.084						Si
700	7.6	5.4	11.4	5.4	192649	SLU 26	243245	1422093	0.084						Si
758	7.6	5.4	11.4	5.4	64995	SLU 26	132950	1422093	0.084	-54047	SLU 11	-120796	-970824	0.078	Si
817	21.32	5.4	13.58	5.4						-210970	SLU 29	-309257	-2596718	0.099	Si
853	26.61	5.4	15.21	5.4						-334115	SLU 29	-334115	-3222619	0.107	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
875	26.61	5.4	15.21	5.4						-416907	SLU 29	-374599	-3222619	0.107	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4	414022	SLV 11	414022	1872416	0.087	-1930799	SLV 5	-1860828	-2773116	0.1	Si
23	22.81	5.4	15.21	5.4	449629	SLV 11	490491	1872416	0.087	-1792238	SLV 5	-1792238	-2773116	0.1	Si
58	19.43	5.4	13.58	5.4	499642	SLV 11	532304	1679523	0.086	-1578272	SLV 5	-1750610	-2373462	0.096	Si
117	15.21	5.4	11.4	5.4	558492	SLV 11	577818	1422107	0.084	-1252569	SLV 5	-1411538	-1873055	0.09	Si
175	12.43	5.4	11.4	5.4	590590	SLV 11	596601	1422094	0.084	-953708	SLV 5	-1099297	-1543376	0.085	Si
204	7.6	5.4	11.4	5.4	596621	SLV 11	596621	1422093	0.084	-814357	SLV 5	-953246	-970824	0.078	Si
233	7.6	5.4	11.4	5.4	595987	SLV 11	596619	1422093	0.084	-681740	SLV 5	-813918	-970824	0.078	Si
263	7.6	5.4	11.4	5.4	588709	SLV 11	595963	1422093	0.084	-555877	SLV 5	-681322	-970824	0.078	Si
321	7.6	5.4	11.4	5.4	554449	SLV 11	574763	1422093	0.084	-324642	SLV 5	-436440	-970824	0.078	Si
379	7.6	5.4	11.4	5.4	495703	SLV 7	527676	1422093	0.084	-122515	SLV 9	-219263	-970824	0.078	Si
438	7.6	5.4	11.4	5.4	418479	SLV 7	459194	1422093	0.084	44496	SLV 9	-34286	-970824	0.078	Si
496	7.6	5.4	11.4	5.4	320916	SLV 3	371767	1422093	0.084						Si
554	7.6	5.4	11.4	5.4	345164	SLV 1	390333	1422093	0.084						Si
613	7.6	5.4	11.4	5.4	436012	SLV 5	474741	1422093	0.084	-25237	SLV 11	-119377	-970824	0.078	Si
671	7.6	5.4	11.4	5.4	507056	SLV 5	532475	1422093	0.084	-220869	SLV 11	-328407	-970824	0.078	Si
700	7.6	5.4	11.4	5.4	532560	SLV 5	551313	1422093	0.084	-328765	SLV 11	-442991	-970824	0.078	Si
758	7.6	5.4	11.4	5.4	563501	SLV 5	568915	1422093	0.084	-564684	SLV 11	-692279	-970824	0.078	Si
817	21.32	5.4	13.58	5.4	567671	SLV 5	568929	1679474	0.086	-827426	SLV 11	-968384	-2596718	0.099	Si
853	26.61	5.4	15.21	5.4	556364	SLV 5	565826	1872306	0.087	-1002710	SLV 11	-1002710	-3222619	0.107	Si
875	26.61	5.4	15.21	5.4	545059	SLV 5	545059	1872306	0.087	-1116981	SLV 11	-1059152	-3222619	0.107	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4						-1277227	SLD 5	-1221598	-2773116	0.1	Si
23	22.81	5.4	15.21	5.4						-1167362	SLD 5	-1167362	-2773116	0.1	Si
58	19.43	5.4	13.58	5.4						-999095	SLD 5	-1134360	-2373462	0.096	Si
117	15.21	5.4	11.4	5.4	53695	SLD 11	110080	1422107	0.084	-747772	SLD 5	-869676	-1873055	0.09	Si
175	12.43	5.4	11.4	5.4	160148	SLD 11	203196	1422094	0.084	-523266	SLD 5	-631805	-1543376	0.085	Si
204	7.6	5.4	11.4	5.4	203339	SLD 11	239725	1422093	0.084	-421075	SLD 5	-522927	-970824	0.078	Si
233	7.6	5.4	11.4	5.4	239846	SLD 11	269580	1422093	0.084	-325599	SLD 5	-420759	-970824	0.078	Si
263	7.6	5.4	11.4	5.4	269679	SLD 11	292779	1422093	0.084	-236846	SLD 5	-325305	-970824	0.078	Si
321	7.6	5.4	11.4	5.4	309420	SLD 11	319454	1422093	0.084	-79613	SLD 5	-154587	-970824	0.078	Si
379	7.6	5.4	11.4	5.4	323387	SLD 7	323387	1422093	0.084	49801	SLD 9	-11069	-970824	0.078	Si
438	7.6	5.4	11.4	5.4	314239	SLD 7	321646	1422093	0.084						Si
496	7.6	5.4	11.4	5.4	281151	SLD 3	300489	1422093	0.084						Si
554	7.6	5.4	11.4	5.4	287032	SLD 1	299021	1422093	0.084						Si
613	7.6	5.4	11.4	5.4	307447	SLD 5	309142	1422093	0.084						Si
671	7.6	5.4	11.4	5.4	304161	SLD 5	309131	1422093	0.084	-17974	SLD 11	-88453	-970824	0.078	Si
700	7.6	5.4	11.4	5.4	292482	SLD 5	304122	1422093	0.084	-88687	SLD 11	-165848	-970824	0.078	Si
758	7.6	5.4	11.4	5.4	249041	SLD 5	274027	1422093	0.084	-250225	SLD 11	-340746	-970824	0.078	Si
817	21.32	5.4	13.58	5.4	178815	SLD 5	217149	1679474	0.086	-438571	SLD 11	-542449	-2596718	0.099	Si
853	26.61	5.4	15.21	5.4	121802	SLD 5	168343	1872306	0.087	-568149	SLD 11	-568149	-3222619	0.107	Si
875	26.61	5.4	15.21	5.4	81798	SLD 5	81798	1872306	0.087	-653720	SLD 11	-610237	-3222619	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.43	0	5276	SLU 26	5276	13045	76908	0	13045	1	Si
23	0.068	15.21	0	5046	SLU 26	5046	12021	76908	7874	12021	1	Si
58	0.068	15.21	0	4679	SLU 26	4679	12021	76908	7874	12021	1	Si
117	0.068	12.43	0	4082	SLU 26	4082	11239	76908	7874	11239	1	Si
175	0.068	7.6	0	3485	SLU 26	3485	9541	76908	7874	9541	1	Si
233	0.068	7.6	0	2888	SLU 26	2888	9541	76908	7874	9541	1	Si
263	0.068	11.4	0	2589	SLU 26	2589	10922	76908	7874	10922	1	Si
321	0.068	11.4	0	1992	SLU 26	1992	10922	76908	7874	10922	1	Si
379	0.068	11.4	0	1395	SLU 26	1395	10922	76908	7874	10922	1	Si
438	0.068	11.4	0	798	SLU 26	798	10922	76908	7874	10922	1	Si
496	0.068	11.4	0	200	SLU 26	200	10922	76908	7874	10922	1	Si
554	0.068	11.4	0	-544	SLU 29	-544	-10922	-76908	-7874	-10922	1	Si
613	0.068	11.4	0	-1142	SLU 29	-1142	-10922	-76908	-7874	-10922	1	Si
671	0.068	11.4	0	-1739	SLU 29	-1739	-10922	-76908	-7874	-10922	1	Si
700	0.068	11.4	0	-2037	SLU 29	-2037	-10922	-76908	-7874	-10922	1	Si
758	0.068	7.6	0	-2635	SLU 29	-2635	-9541	-76908	-7874	-9541	1	Si
817	0.068	7.6	0	-3232	SLU 29	-3232	-9541	-76908	-7874	-9541	1	Si
853	0.068	12.97	0	-3599	SLU 29	-3599	-11400	-76908	-7874	-11400	1	Si
875	0	21.32	0	-3829	SLU 29	-3829	-13454	-76908	0	-13454	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.43	0	6274	SLV 5	6869	13045	76908	0	13045	1	Si
23	0.068	15.21	0	6097	SLV 5	6692	12021	76908	7874	12021	1	Si
58	0.068	15.21	0	5815	SLV 5	6410	12021	76908	7874	12021	1	Si
117	0.068	12.43	0	5355	SLV 5	5950	11239	76908	7874	11239	1	Si
146	0.068	7.6	0	5126	SLV 5	5721	9541	76908	7874	9541	1	Si
146	0.068	11.4	0	548	SLV 11	-47	-10922	-76908	-7874	-10922	1	Si
175	0.068	7.6	0	4896	SLV 5	5491	9541	76908	7874	9541	1	Si
175	0.068	11.4	0	318	SLV 11	-277	-10922	-76908	-7874	-10922	1	Si
233	0.068	7.6	0	4437	SLV 5	5032	9541	76908	7874	9541	1	Si
233	0.068	11.4	0	-141	SLV 11	-736	-10922	-76908	-7874	-10922	1	Si
263	0.068	7.6	0	4207	SLV 5	4802	9541	76908	7874	9541	1	Si
263	0.068	11.4	0	-371	SLV 11	-966	-10922	-76908	-7874	-10922	1	Si
321	0.068	7.6	0	3748	SLV 5	4343	9541	76908	7874	9541	1	Si
321	0.068	11.4	0	-830	SLV 11	-1425	-10922	-76908	-7874	-10922	1	Si
379	0.068	7.6	0	3288	SLV 5	3883	9541	76908	7874	9541	1	Si
379	0.068	11.4	0	-1290	SLV 11	-1885	-10922	-76908	-7874	-10922	1	Si
438	0.068	11.4	0	2829	SLV 5	3424	10922	76908	7874	10922	1	Si
438	0.068	11.4	0	-1749	SLV 11	-2344	-10922	-76908	-7874	-10922	1	Si
496	0.068	11.4	0	2369	SLV 5	2964	10922	76908	7874	10922	1	Si
496	0.068	11.4	0	-2208	SLV 11	-2803	-10922	-76908	-7874	-10922	1	Si
554	0.068	11.4	0	1910	SLV 5	2505	10922	76908	7874	10922	1	Si
554	0.068	11.4	0	-2668	SLV 11	-3263	-10922	-76908	-7874	-10922	1	Si
613	0.068	11.4	0	1451	SLV 5	2046	10922	76908	7874	10922	1	Si
613	0.068	7.6	0	-3127	SLV 11	-3722	-9541	-76908	-7874	-9541	1	Si
671	0.068	11.4	0	991	SLV 5	1586	10922	76908	7874	10922	1	Si
671	0.068	7.6	0	-3586	SLV 11	-4182	-9541	-76908	-7874	-9541	1	Si
700	0.068	11.4	0	762	SLV 5	1357	10922	76908	7874	10922	1	Si
700	0.068	7.6	0	-3816	SLV 11	-4411	-9541	-76908	-7874	-9541	1	Si
758	0.068	11.4	0	302	SLV 5	897	10922	76908	7874	10922	1	Si
758	0.068	7.6	0	-4275	SLV 11	-4871	-9541	-76908	-7874	-9541	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
817	0.068	11.4	0	-157	SLV 5	438	10922	76908	7874	10922	1	Si
817	0.068	7.6	0	-4735	SLV 11	-5330	-9541	-76908	-7874	-9541	1	Si
853	0.068	11.4	0	-439	SLV 5	156	10922	76908	7874	10922	1	Si
853	0.068	12.97	0	-5017	SLV 11	-5612	-11400	-76908	-7874	-11400	1	Si
875	0	21.32	0	-5194	SLV 11	-5789	-13454	-76908	0	-13454	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.43	0	4998	SLD 5	4998	13045	76908	0	13045	1	Si
23	0.068	15.21	0	4821	SLD 5	4821	12021	76908	7874	12021	1	Si
58	0.068	15.21	0	4539	SLD 5	4539	12021	76908	7874	12021	1	Si
117	0.068	12.43	0	4079	SLD 5	4079	11239	76908	7874	11239	1	Si
146	0.068	7.6	0	3850	SLD 5	3850	9541	76908	7874	9541	1	Si
175	0.068	7.6	0	3620	SLD 5	3620	9541	76908	7874	9541	1	Si
233	0.068	7.6	0	3161	SLD 5	3161	9541	76908	7874	9541	1	Si
263	0.068	7.6	0	2931	SLD 5	2931	9541	76908	7874	9541	1	Si
321	0.068	7.6	0	2472	SLD 5	2472	9541	76908	7874	9541	1	Si
379	0.068	11.4	0	2012	SLD 5	2012	10922	76908	7874	10922	1	Si
379	0.068	11.4	0	-14	SLD 11	-14	-10922	-76908	-7874	-10922	1	Si
438	0.068	11.4	0	1553	SLD 5	1553	10922	76908	7874	10922	1	Si
438	0.068	11.4	0	-473	SLD 11	-473	-10922	-76908	-7874	-10922	1	Si
496	0.068	11.4	0	1093	SLD 5	1093	10922	76908	7874	10922	1	Si
496	0.068	11.4	0	-932	SLD 11	-932	-10922	-76908	-7874	-10922	1	Si
554	0.068	11.4	0	634	SLD 5	634	10922	76908	7874	10922	1	Si
554	0.068	11.4	0	-1392	SLD 11	-1392	-10922	-76908	-7874	-10922	1	Si
613	0.068	11.4	0	175	SLD 5	175	10922	76908	7874	10922	1	Si
613	0.068	11.4	0	-1851	SLD 11	-1851	-10922	-76908	-7874	-10922	1	Si
671	0.068	7.6	0	-2310	SLD 11	-2310	-9541	-76908	-7874	-9541	1	Si
700	0.068	7.6	0	-2540	SLD 11	-2540	-9541	-76908	-7874	-9541	1	Si
758	0.068	7.6	0	-3000	SLD 11	-3000	-9541	-76908	-7874	-9541	1	Si
817	0.068	7.6	0	-3459	SLD 11	-3459	-9541	-76908	-7874	-9541	1	Si
853	0.068	12.97	0	-3741	SLD 11	-3741	-11400	-76908	-7874	-11400	1	Si
875	0	21.32	0	-3918	SLD 11	-3918	-13454	-76908	0	-13454	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-765204	8	-720242	18.7	124.5	546.5	1837	-759677	1	-714976	18.6	93.4	0	+∞	Si
23	-676682	8	-676682	17.6	124.5	513.5	1837	-671679	1	-671679	17.5	93.4	0	+∞	Si
58	-543664	9	-650095	18.1	124.5	576.3	1837	-539315	2	-645249	18	93.4	0	+∞	Si
117	-350423	9	-443384	13.8	124.5	498.6	1837	-347039	2	-439520	13.7	93.4	0	+∞	Si
175	-185441	2	-263842	8.8	124.5	360.4	1837	-181559	2	-260686	8.7	93.4	0	+∞	Si
233	-48339	2	-113324	2.5	124.5	39.3	1837	-42876	2	-108649	4.4	93.4	0	+∞	Si
263	26626	4	80663	2.9	124.5	120.1	1837	25796	1	79396	2.9	93.4	0	+∞	Si
321	128602	8	169526	6.2	124.5	252.4	1837	126654	1	166900	6.1	93.4	0	+∞	Si
379	204022	8	231592	8.4	124.5	344.8	1837	200715	1	227607	8.3	93.4	0	+∞	Si
438	252646	8	266862	9.7	124.5	397.3	1837	247979	1	261517	9.5	93.4	0	+∞	Si
496	274473	8	275334	10	124.5	409.9	1837	268446	1	268631	9.8	93.4	0	+∞	Si
554	269503	8	275318	10	124.5	409.9	1837	262117	1	268610	9.8	93.4	0	+∞	Si
613	237735	8	256905	9.3	124.5	382.5	1837	228990	1	248837	9	93.4	0	+∞	Si
671	179171	8	211695	7.7	124.5	315.2	1837	169067	1	202268	7.3	93.4	0	+∞	Si
700	139841	8	179041	6.5	124.5	266.6	1837	129057	1	168935	6.1	93.4	0	+∞	Si
758	41081	8	93636	3.4	124.5	139.4	1837	28938	1	82170	3	93.4	0	+∞	Si
758	-20278	2	-82156	1.8	124.5	28.5	1837	-592	2	-61682	2.5	93.4	0	+∞	Si
817	-151145	2	-226377	6.1	124.5	183.6	1837	-129878	2	-204322	5.5	93.4	0	+∞	Si
853	-245411	2	-245411	6.1	124.5	160.7	1837	-223173	2	-223173	5.5	93.4	0	+∞	Si
875	-308808	2	-276408	6.9	124.5	181	1837	-285961	2	-253866	6.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
58	-0.002	-0.004	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	1	-0.006	1	9999	Si
117	0	-0.002	0	-0.003	0	-0.002	0	-0.002	0	-0.001	0.001	1	-0.003	1	9999	Si
175	0.006	0.002	0.005	0.001	0.006	0.003	0.004	0.002	0.006	0.003	0.013	1	0.008	1	9999	Si
233	0.013	0.008	0.011	0.006	0.013	0.009	0.011	0.008	0.013	0.01	0.029	1	0.022	1	9999	Si
263	0.017	0.011	0.015	0.009	0.016	0.013	0.014	0.011	0.016	0.013	0.037	1	0.03	1	9999	Si
321	0.024	0.018	0.021	0.015	0.024	0.019	0.02	0.016	0.023	0.02	0.053	1	0.045	1	9999	Si
379	0.03	0.023	0.026	0.019	0.029	0.025	0.026	0.021	0.029	0.025	0.067	1	0.057	1	9999	Si
438	0.035	0.026	0.03	0.023	0.033	0.028	0.029	0.024	0.033	0.029	0.076	1	0.066	1	9999	Si
496	0.036	0.028	0.032	0.024	0.035	0.03	0.031	0.026	0.035	0.031	0.08	1	0.069	1	9999	Si
554	0.036	0.027	0.031	0.023	0.034	0.029	0.03	0.025	0.034	0.03	0.078	1	0.068	1	9999	Si
613	0.032	0.024	0.028	0.021	0.031	0.026	0.027	0.023	0.031	0.027	0.07	1	0.061	1	9999	Si
671	0.027	0.02	0.023	0.017	0.026	0.021	0.022	0.018	0.026	0.022	0.058	1	0.05	1	9999	Si
700	0.023	0.017	0.02	0.014	0.022	0.018	0.019	0.016	0.022	0.019	0.05	1	0.043	1	9999	Si
758	0.016	0.011	0.014	0.009	0.015	0.012	0.013	0.01	0.015	0.012	0.033	1	0.028	1	9999	Si
817	0.007	0.005	0.006	0.004	0.007	0.005	0.006	0.005	0.007	0.006	0.016	1	0.013	1	9999	Si
853	0.003	0.002	0.002	0.001	0.003	0.002	0.002	0.002	0.003	0.002	0.006	1	0.004	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3808	2884	12021	SLV 5	0.57	2474	1.666	-671305	-1120934	-2773116	SLV 5	0.57	2474	1.666	Si
58	3526	2884	12021	SLV 5	0.57	2474	1.666	-645150	-1105460	-2373462	SLV 5	0.56	2271	1.609	Si
117	3066	2884	11239	SLV 5	0.57	2474	1.666	-439520	-972018	-1873055	SLV 5	0.53	1943	1.509	Si
175	2607	2884	9541	SLV 5	0.57	2474	1.666	-260686	-838611	-1543376	SLV 5	0.54	2142	1.571	Si
233	2148	2884	9541	SLV 5	0.57	2474	1.666	-108649	-705268	-970824	SLV 5	0.44	1179	1.23	Si
263	1918	2884	9541	SLV 5	0.57	2474	1.666	-42680	-638643	-970824	SLV 5	0.52	1868	1.485	Si
321	1459	2884	9541	SLV 5	0.57	2474	1.666	69162	-505601	-970824	SLV 5	0.57	2474	1.666	Si
379	999	2884	9541	SLV 5	0.57	2474	1.666	154206	-373469	-970824	SLV 5	0.57	2474	1.666	Si
438	540	2884	10922	SLV 5	0.57	2474	1.666	212454	-246740	-970824	SLV 9	0.57	2474	1.666	Si
496	81	2884	10922	SLV 5	0.57	2474	1.666	243905	127863	1422093	SLV 7	0.57	2474	1.666	Si
554	-379	-2884	-10922	SLV 11	0.57	2474	1.666	226533	163800	1422093	SLV 5	0.57	2474	1.666	Si
613	-838	-2884	-9541	SLV 11	0.57	2474	1.666	177682	-297059	-970824	SLV 11	0.57	2474	1.666	Si
671	-1298	-2884	-9541	SLV 11	0.57	2474	1.666	102034	-430441	-970824	SLV 11	0.57	2474	1.666	Si
700	-1527	-2884	-9541	SLV 11	0.57	2474	1.666	54161	-497152	-970824	SLV 11	0.57	2474	1.666	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
758	-1987	-2884	-9541	SLV 11	0.57	2474	1.666	-61682	-630597	-970824	SLV 11	0.52	1829	1.472	Si
817	-2446	-2884	-9541	SLV 11	0.57	2474	1.666	-204322	764062	1679474	SLV 5	0.57	2474	1.666	Si
853	-2728	-2884	-11400	SLV 11	0.57	2474	1.666	-223173	779537	1872306	SLV 5	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3808	1013	12021	SLD 5	0.6	2474	4.193	-671305	-496058	-2773116	SLD 5	0.56	2301	4.07	Si
58	3526	1013	12021	SLD 5	0.6	2474	4.193	-645150	-489210	-2373462	SLD 5	0.47	1415	3.335	Si
117	3066	1013	11239	SLD 5	0.6	2474	4.193	-439520	-430157	-1873055	SLD 5	0.45	1213	3.13	Si
175	2607	1013	9541	SLD 5	0.6	2474	4.193	-260686	-371119	-1543376	SLD 5	0.46	1336	3.257	Si
233	2148	1013	9541	SLD 5	0.6	2474	4.193	-108649	-312109	-970824	SLD 5	0.37	752	2.573	Si
263	1918	1013	9541	SLD 5	0.6	2474	4.193	-42680	-282625	-970824	SLD 5	0.44	1167	3.081	Si
321	1459	1013	9541	SLD 5	0.6	2474	4.193	69162	-223749	-970824	SLD 5	0.6	2474	4.193	Si
379	999	1013	10922	SLD 5	0.6	2474	4.193	154206	-165275	-970824	SLD 5	0.6	2474	4.193	Si
438	540	1013	10922	SLD 5	0.6	2474	4.193	212454	-109192	-970824	SLD 9	0.6	2474	4.193	Si
496	81	1013	10922	SLD 5	0.6	2474	4.193	243905	56584	1422093	SLD 7	0.6	2474	4.193	Si
554	-379	-1013	-10922	SLD 11	0.6	2474	4.193	226533	72488	1422093	SLD 5	0.6	2474	4.193	Si
613	-838	-1013	-10922	SLD 11	0.6	2474	4.193	177682	-131460	-970824	SLD 11	0.6	2474	4.193	Si
671	-1298	-1013	-9541	SLD 11	0.6	2474	4.193	102034	-190487	-970824	SLD 11	0.6	2474	4.193	Si
700	-1527	-1013	-9541	SLD 11	0.6	2474	4.193	54161	-220009	-970824	SLD 11	0.6	2474	4.193	Si
758	-1987	-1013	-9541	SLD 11	0.6	2474	4.193	-61682	-279064	-970824	SLD 11	0.44	1143	3.055	Si
817	-2446	-1013	-9541	SLD 11	0.6	2474	4.193	-204322	338127	1679474	SLD 5	0.6	2474	4.193	Si
853	-2728	-1013	-11400	SLD 11	0.6	2474	4.193	-223173	344976	1872306	SLD 5	0.6	2474	4.193	Si

Campata 4 tra i fili 53 - ?, sezione R 45x70, asta 960

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	15.21	5.4						-802320	SLU 29	-671084	-3222619	0.107	Si
11	26.61	5.4	15.21	5.4						-674266	SLU 29	-640981	-3222619	0.107	Si
22	26.61	5.4	15.21	5.4						-550663	SLU 29	-550663	-3222619	0.107	Si
23	26.61	5.4	15.21	5.4						-548869	SLU 29	-548869	-3222619	0.107	Si
34	25.57	5.4	15.21	5.4						-431513	SLU 29	-548869	-3100091	0.105	Si
39	25.05	5.4	15.21	5.4						-373606	SLU 29	-548869	-3037804	0.104	Si
50	23.99	5.4	15.21	5.4	-129402	SLU 8	23702	1872360	0.087	-261133	SLU 29	-548869	-2913405	0.102	Si
61	22.94	5.4	15.21	5.4	-74592	SLU 8	108699	1872393	0.087	-153112	SLU 29	-443704	-2788887	0.1	Si
73	19.01	5.4	15.21	5.4	-14359	SLU 17	200290	1872544	0.088	-57577	SLU 20	-328545	-2323187	0.094	Si
84	19.01	5.4	15.21	5.4	53759	SLU 36	287430	1872544	0.088	18558	SLU 1	-217838	-2323187	0.094	Si
95	19.01	5.4	15.21	5.4	145659	SLU 30	370118	1872544	0.088	67356	SLU 1	-114564	-2323187	0.094	Si
106	19.01	5.4	15.21	5.4	235484	SLU 30	448354	1872544	0.088	113543	SLU 1	-21063	-2323187	0.094	Si
117	19.01	5.4	15.21	5.4	320858	SLU 30	522512	1872544	0.088						Si
123	19.01	5.4	15.21	5.4	361875	SLU 30	557929	1872544	0.088						Si
134	19.01	5.4	15.21	5.4	440571	SLU 30	561620	1872544	0.088						Si
145	19.01	5.4	15.21	5.4	515149	SLU 29	561620	1872544	0.088						Si
153	19.01	5.4	15.21	5.4	561620	SLU 29	561620	1872544	0.088						Si
156	19.01	5.4	15.21	5.4	585330	SLU 29	582425	1872544	0.088						Si
168	19.01	5.4	15.21	5.4	651059	SLU 29	608288	1872544	0.088						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	15.21	5.4	1493632	SLV 7	1493632	1872306	0.087	-2551325	SLV 9	-2383501	-3222619	0.107	Si
11	26.61	5.4	15.21	5.4	1495711	SLV 7	1495711	1872306	0.087	-2384847	SLV 9	-2343037	-3222619	0.107	Si
22	26.61	5.4	15.21	5.4	1494960	SLV 7	1494960	1872306	0.087	-2221622	SLV 9	-2221622	-3222619	0.107	Si
23	26.61	5.4	15.21	5.4	1494917	SLV 7	1494917	1872306	0.087	-2219222	SLV 9	-2219222	-3222619	0.107	Si
34	25.57	5.4	15.21	5.4	1491425	SLV 7	1494917	1872318	0.087	-2061696	SLV 9	-2219222	-3100091	0.105	Si
39	25.05	5.4	15.21	5.4	1488631	SLV 7	1494917	1872355	0.087	-1982987	SLV 9	-2219222	-3037804	0.104	Si
50	23.99	5.4	15.21	5.4	1481025	SLV 7	1494917	1872360	0.087	-1828114	SLV 9	-2219222	-2913405	0.102	Si
61	22.94	5.4	15.21	5.4	1470784	SLV 7	1491861	1872393	0.087	-1676689	SLV 9	-2078127	-2788887	0.1	Si
73	19.01	5.4	15.21	5.4	1457970	SLV 7	1485878	1872544	0.088	-1528773	SLV 9	-1921207	-2323187	0.094	Si
84	19.01	5.4	15.21	5.4	1442634	SLV 7	1477221	1872544	0.088	-1384420	SLV 9	-1767696	-2323187	0.094	Si
95	19.01	5.4	15.21	5.4	1424811	SLV 11	1465953	1872544	0.088	-1243661	SLV 5	-1617658	-2323187	0.094	Si
106	19.01	5.4	15.21	5.4	1404505	SLV 11	1452134	1872544	0.088	-1106503	SLV 5	-1471151	-2323187	0.094	Si
117	19.01	5.4	15.21	5.4	1381693	SLV 11	1434033	1872544	0.088	-972921	SLV 5	-1315225	-2323187	0.094	Si
123	19.01	5.4	15.21	5.4	1369334	SLV 11	1426716	1872544	0.088	-907458	SLV 5	-1258106	-2323187	0.094	Si
134	19.01	5.4	15.21	5.4	1342672	SLV 11	1406667	1872544	0.088	-779151	SLV 5	-1120576	-2323187	0.094	Si
145	19.01	5.4	15.21	5.4	1313367	SLV 11	1384114	1872544	0.088	-654284	SLV 5	-986626	-2323187	0.094	Si
153	19.01	5.4	15.21	5.4	1292580	SLV 11	1367944	1872544	0.088	-574212	SLV 5	-900556	-2323187	0.094	Si
156	19.01	5.4	15.21	5.4	1281357	SLV 11	1281357	1872544	0.088	-532794	SLV 5	-532794	-2323187	0.094	Si
168	19.01	5.4	15.21	5.4	1246583	SLV 11	1246583	1872544	0.088	-414625	SLV 5	-414625	-2323187	0.094	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	15.21	5.4	366179	SLD 7	366179	1872306	0.087	-1423872	SLD 9	-1301423	-3222619	0.107	Si
11	26.61	5.4	15.21	5.4	414081	SLD 7	414081	1872306	0.087	-1303217	SLD 9	-1272495	-3222619	0.107	Si
22	26.61	5.4	15.21	5.4	459035	SLD 7	459035	1872306	0.087	-1185697	SLD 9	-1185697	-3222619	0.107	Si
23	26.61	5.4	15.21	5.4	459674	SLD 7	562868	1872306	0.087	-1183979	SLD 9	-1183979	-3222619	0.107	Si
34	25.57	5.4	15.21	5.4	501062	SLD 7	596864	1872318	0.087	-1071333	SLD 9	-1183979	-3100091	0.105	Si
39	25.05	5.4	15.21	5.4	520985	SLD 7	613064	1872355	0.087	-1015341	SLD 9	-1183979	-3037804	0.104	Si
50	23.99	5.4	15.21	5.4	558668	SLD 7	643352	1872360	0.087	-905757	SLD 9	-1183979	-2913405	0.102	Si
61	22.94	5.4	15.21	5.4	593488	SLD 7	670839	1872393	0.087	-799393	SLD 9	-1083063	-2788887	0.1	Si
73	19.01	5.4	15.21	5.4	625474	SLD 7	695532	1872544	0.088	-696278	SLD 9	-971549	-2323187	0.094	Si
84	19.01	5.4	15.21	5.4	654649	SLD 7	717426	1872544	0.088	-596434	SLD 9	-863239	-2323187	0.094	Si
95	19.01	5.4	15.21	5.4	681027	SLD 11	736504	1872544	0.088	-499877	SLD 5	-758162	-2323187	0.094	Si
106	19.01	5.4	15.21	5.4	704611	SLD 11	752742	1872544	0.088	-406609	SLD 5	-656343	-2323187	0.094	Si
117	19.01	5.4	15.21	5.4	725391	SLD 11	766111	1872544	0.088	-316619	SLD 5	-552051	-2323187	0.094	Si
123	19.01	5.4	15.21	5.4	734723	SLD 11	771712	1872544	0.088	-272847	SLD 5	-509765	-2323187	0.094	Si
134	19.01	5.4	15.21	5.4	751256	SLD 11	772248	1872544	0.088	-187735	SLD 5	-416157	-2323187	0.094	Si
145	19.01	5.4	15.21	5.4	764923	SLD 11	772248	1872544	0.088	-105840	SLD 5	-325829	-2323187	0.094	Si
153	19.01	5.4	15.21	5.4	772248	SLD 11	772248	1872544	0.088	-53881	SLD 5	-268256	-2323187	0.094	Si
156	19.01	5.4	15.21	5.4	775698	SLD 11	775564	1872544	0.088	-27135	SLD 5	-27135	-2323187	0.094	Si
168	19.01	5.4	15.21	5.4	783554	SLD 11	779686	1872544	0.088						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.41	0	11662	SLU 29	11662	13681	76908	0	13681	1	Si
6	0	19.01	0	11468	SLU 29	11468	12949	76908	0	12949	1	Si
11	0	19.01	0	11268	SLU 29	11268	12949	76908	0	12949	1	Si
22	0	19.01	0	10870	SLU 29	10870	12949	76908	0	12949	1	Si
23	0.147	19.01	0	10864	SLU 29	10864	12949	76908	17057	17057	1	Si
34	0.147	19.01	0	10471	SLU 29	10471	12949	76908	17057	17057	1	Si
39	0.147	19.01	0	10272	SLU 29	10272	12949	76908	17057	17057	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
50	0.147	19.01	0	9873	SLU 29	9873	12949	76908	17057	17057	1	Si
61	0.147	19.01	0	9474	SLU 29	9474	12949	76908	17057	17057	1	Si
73	0.147	19.01	0	9076	SLU 29	9076	12949	76908	17057	17057	1	Si
84	0.147	15.21	0	8677	SLU 29	8677	12021	76908	17057	17057	1	Si
95	0.147	15.21	0	8278	SLU 29	8278	12021	76908	17057	17057	1	Si
106	0.147	15.21	0	7880	SLU 29	7880	12021	76908	17057	17057	1	Si
117	0.147	15.21	0	7481	SLU 29	7481	12021	76908	17057	17057	1	Si
123	0.147	15.21	0	7282	SLU 29	7282	12021	76908	17057	17057	1	Si
134	0.147	15.21	0	6883	SLU 29	6883	12021	76908	17057	17057	1	Si
145	0.147	15.21	0	6484	SLU 29	6484	12021	76908	17057	17057	1	Si
153	0.147	15.21	0	6222	SLU 29	6222	12021	76908	17057	17057	1	Si
156	0	15.21	0	6086	SLU 29	6086	12021	76908	0	12021	1	Si
168	0	15.21	0	5687	SLU 29	5687	12021	76908	0	12021	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.41	0	15148	SLV 9	17090	13681	76908	0	13681	1	Si
0	0	15.21	0	213	SLV 7	-1729	-12021	-76908	0	-12021	1	Si
6	0	19.01	0	15015	SLV 9	16957	12949	76908	0	12949	1	Si
6	0	15.21	0	80	SLV 7	-1862	-12021	-76908	0	-12021	1	Si
11	0	19.01	0	14879	SLV 9	16821	12949	76908	0	12949	1	Si
11	0	15.21	0	-57	SLV 7	-1998	-12021	-76908	0	-12021	1	Si
22	0	19.01	0	14607	SLV 9	16548	12949	76908	0	12949	1	Si
22	0	15.21	0	-329	SLV 7	-2271	-12021	-76908	0	-12021	1	Si
23	0.147	19.01	0	14603	SLV 9	16544	12949	76908	17057	17057	1	Si
23	0.147	15.21	0	-333	SLV 7	-2275	-12021	-76908	-17057	-17057	1	Si
34	0.147	19.01	0	14334	SLV 9	16276	12949	76908	17057	17057	1	Si
34	0.147	15.21	0	-601	SLV 7	-2543	-12021	-76908	-17057	-17057	1	Si
39	0.147	19.01	0	14198	SLV 9	16140	12949	76908	17057	17057	1	Si
39	0.147	15.21	0	-738	SLV 7	-2679	-12021	-76908	-17057	-17057	1	Si
50	0.147	19.01	0	13926	SLV 9	15867	12949	76908	17057	17057	1	Si
50	0.147	15.21	0	-1010	SLV 7	-2952	-12021	-76908	-17057	-17057	1	Si
61	0.147	19.01	0	13653	SLV 9	15595	12949	76908	17057	17057	1	Si
61	0.147	15.21	0	-1282	SLV 7	-3224	-12021	-76908	-17057	-17057	1	Si
73	0.147	19.01	0	13381	SLV 9	15323	12949	76908	17057	17057	1	Si
73	0.147	15.21	0	-1555	SLV 7	-3496	-12021	-76908	-17057	-17057	1	Si
84	0.147	19.01	0	13109	SLV 9	15050	12949	76908	17057	17057	1	Si
84	0.147	15.21	0	-1827	SLV 7	-3769	-12021	-76908	-17057	-17057	1	Si
95	0.147	19.01	0	12836	SLV 9	14778	12949	76908	17057	17057	1	Si
95	0.147	15.21	0	-2099	SLV 7	-4041	-12021	-76908	-17057	-17057	1	Si
106	0.147	19.01	0	12564	SLV 9	14505	12949	76908	17057	17057	1	Si
106	0.147	15.21	0	-2372	SLV 7	-4313	-12021	-76908	-17057	-17057	1	Si
117	0.147	19.01	0	12291	SLV 9	14233	12949	76908	17057	17057	1	Si
117	0.147	15.21	0	-2644	SLV 7	-4586	-12021	-76908	-17057	-17057	1	Si
123	0.147	19.01	0	12155	SLV 9	14097	12949	76908	17057	17057	1	Si
123	0.147	15.21	0	-2780	SLV 7	-4722	-12021	-76908	-17057	-17057	1	Si
134	0.147	19.01	0	11883	SLV 9	13825	12949	76908	17057	17057	1	Si
134	0.147	15.21	0	-3053	SLV 7	-4994	-12021	-76908	-17057	-17057	1	Si
145	0.147	19.01	0	11611	SLV 9	13552	12949	76908	17057	17057	1	Si
145	0.147	15.21	0	-3325	SLV 7	-5267	-12021	-76908	-17057	-17057	1	Si
153	0.147	19.01	0	11432	SLV 9	13373	12949	76908	17057	17057	1	Si
153	0.147	15.21	0	-3504	SLV 7	-5446	-12021	-76908	-17057	-17057	1	Si
156	0	19.01	0	11338	SLV 9	13280	12949	76908	0	12949	1	Si
156	0	15.21	0	-3597	SLV 7	-5539	-12021	-76908	0	-12021	1	Si
168	0	19.01	0	11066	SLV 9	13007	12949	76908	0	12949	1	Si
168	0	15.21	0	-3870	SLV 7	-5811	-12021	-76908	0	-12021	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.41	0	10985	SLD 9	10985	13681	76908	0	13681	1	Si
6	0	19.01	0	10852	SLD 9	10852	12949	76908	0	12949	1	Si
11	0	19.01	0	10716	SLD 9	10716	12949	76908	0	12949	1	Si
22	0	19.01	0	10444	SLD 9	10444	12949	76908	0	12949	1	Si
23	0.147	19.01	0	10440	SLD 9	10440	12949	76908	17057	17057	1	Si
34	0.147	19.01	0	10171	SLD 9	10171	12949	76908	17057	17057	1	Si
39	0.147	19.01	0	10035	SLD 9	10035	12949	76908	17057	17057	1	Si
50	0.147	19.01	0	9763	SLD 9	9763	12949	76908	17057	17057	1	Si
61	0.147	19.01	0	9490	SLD 9	9490	12949	76908	17057	17057	1	Si
73	0.147	19.01	0	9218	SLD 9	9218	12949	76908	17057	17057	1	Si
84	0.147	19.01	0	8946	SLD 9	8946	12949	76908	17057	17057	1	Si
95	0.147	19.01	0	8673	SLD 9	8673	12949	76908	17057	17057	1	Si
106	0.147	19.01	0	8401	SLD 9	8401	12949	76908	17057	17057	1	Si
117	0.147	19.01	0	8128	SLD 9	8128	12949	76908	17057	17057	1	Si
123	0.147	19.01	0	7992	SLD 9	7992	12949	76908	17057	17057	1	Si
134	0.147	19.01	0	7720	SLD 9	7720	12949	76908	17057	17057	1	Si
145	0.147	19.01	0	7448	SLD 9	7448	12949	76908	17057	17057	1	Si
153	0.147	19.01	0	7269	SLD 9	7269	12949	76908	17057	17057	1	Si
156	0	15.21	0	7175	SLD 9	7175	12021	76908	0	12021	1	Si
168	0	15.21	0	6903	SLD 9	6903	12021	76908	0	12021	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-584315	2	-489050	12.1	124.5	320.2	1837	-528846	2	-442418	11	93.4	0	+∞	Si
11	-491378	2	-467216	11.6	124.5	305.9	1837	-444568	2	-422648	10.5	93.4	0	+∞	Si
22	-401708	2	-401708	10	124.5	263	1837	-363331	2	-363331	9	93.4	0	+∞	Si
23	-400406	2	-400406	9.9	124.5	262.2	1837	-362153	2	-362153	9	93.4	0	+∞	Si
34	-315306	2	-400406	10.1	124.5	272.3	1837	-285135	2	-362153	9.1	93.4	0	+∞	Si
39	-273330	2	-400406	10.1	124.5	277.8	1837	-247178	2	-362153	9.2	93.4	0	+∞	Si
50	-191830	2	-400406	10.3	124.5	289.4	1837	-173544	2	-362153	9.3	93.4	0	+∞	Si
61	-113597	2	-324145	8.4	124.5	244.6	1837	-102952	2	-293133	7.6	93.4	0	+∞	Si
73	-38633	2	-240674	6.6	124.5	217.5	1837	-35402	2	-217665	6	93.4	0	+∞	Si
84	35853	9	204847	5.8	124.5	229	1837	29107	2	182716	5.2	93.4	0	+∞	Si
95	102438	3	264510	7.5	124.5	295.6	1837	90575	2	236265	6.7	93.4	0	+∞	Si
106	167340	3	320906	9.1	124.5	358.7	1837	149001	2	286774	8.1	93.4	0	+∞	Si
117	228975	3	374282	10.6	124.5	418.3	1837	204386	2	334241	9.5	93.4	0	+∞	Si
123	258567	3	399750	11.3	124.5	446.8	1837	230938	2	356834	10.1	93.4	0	+∞	Si
134	315299	3	402403	11.4	124.5	449.8	1837	281760	2	359184	10.2	93.4	0	+∞	Si
145	368987	2	402403	11.4	124.5	449.8	1837	329542	2	359184	10.2	93.4	0	+∞	Si
153	402403	2	402403	11.4	124.5	449.8	1837	359184	2	359184	10.2	93.4	0	+∞	Si
156	419443	2	417357	11.8	124.5	466.5	1837	374281	2	372437	10.6	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
168	466632	2	435948	12.4	124.5	487.3	1837	415979	2	388913	11	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
11	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.005	2	0.004	2	9999	Si
22	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.009	2	0.008	2	9999	Si
23	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.009	2	0.008	2	9999	Si
34	0.008	0.006	0.007	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.014	2	0.012	2	9999	Si
39	0.01	0.007	0.008	0.006	0.009	0.007	0.007	0.006	0.008	0.007	0.017	2	0.014	2	9999	Si
50	0.013	0.009	0.01	0.007	0.012	0.009	0.009	0.007	0.011	0.009	0.022	2	0.018	2	9999	Si
61	0.016	0.011	0.013	0.009	0.014	0.011	0.012	0.009	0.014	0.011	0.028	2	0.023	2	9999	Si
73	0.019	0.013	0.015	0.011	0.017	0.014	0.014	0.011	0.017	0.014	0.033	2	0.027	2	9999	Si
84	0.022	0.016	0.018	0.013	0.02	0.016	0.016	0.013	0.019	0.016	0.039	2	0.031	2	9999	Si
95	0.025	0.018	0.02	0.014	0.023	0.018	0.018	0.015	0.022	0.018	0.044	2	0.036	2	9999	Si
106	0.028	0.02	0.023	0.016	0.026	0.02	0.021	0.016	0.025	0.02	0.05	2	0.04	2	9999	Si
117	0.031	0.022	0.025	0.018	0.028	0.022	0.023	0.018	0.028	0.022	0.055	2	0.045	2	9999	Si
123	0.032	0.023	0.026	0.019	0.03	0.023	0.024	0.019	0.029	0.024	0.058	2	0.047	2	9999	Si
134	0.035	0.025	0.029	0.02	0.032	0.026	0.026	0.021	0.031	0.026	0.063	2	0.051	2	9818	Si
145	0.038	0.027	0.031	0.022	0.035	0.028	0.028	0.022	0.034	0.028	0.068	2	0.055	2	9104	Si
153	0.04	0.028	0.032	0.023	0.036	0.029	0.03	0.023	0.035	0.029	0.071	2	0.057	2	8703	Si
156	0.041	0.029	0.033	0.024	0.037	0.029	0.03	0.024	0.036	0.029	0.072	2	0.059	2	8512	Si
168	0.043	0.031	0.035	0.025	0.039	0.031	0.032	0.025	0.038	0.031	0.077	2	0.062	2	8019	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	7135	9409	17057	SLV 9	0.38	810	1.054	-362153	1857070	1872306	SLV 7	0.43	1130	1.208	Si
34	6866	9409	17057	SLV 9	0.39	864	1.083	-362153	1857070	1872318	SLV 7	0.43	1130	1.208	Si
39	6730	9409	17057	SLV 9	0.4	893	1.097	-362153	1857070	1872355	SLV 7	0.43	1130	1.208	Si
50	6458	9409	17057	SLV 9	0.41	951	1.126	-362153	1857070	1872360	SLV 7	0.43	1130	1.208	Si
61	6185	9409	17057	SLV 9	0.42	1015	1.156	-293133	1784994	1872393	SLV 7	0.44	1155	1.219	Si
73	5913	9409	17057	SLV 9	0.43	1084	1.188	-217665	1703543	1872544	SLV 7	0.44	1190	1.234	Si
84	5641	9409	17057	SLV 9	0.44	1156	1.22	-145238	1622458	1872544	SLV 7	0.45	1234	1.253	Si
95	5368	9409	17057	SLV 9	0.45	1230	1.251	-75852	1541805	1872544	SLV 7	0.45	1287	1.275	Si
106	5096	9409	17057	SLV 9	0.46	1307	1.283	-9508	1461642	1872544	SLV 7	0.46	1353	1.301	Si
117	4824	9409	17057	SLV 9	0.47	1388	1.315	60221	1373811	1872544	SLV 11	0.47	1442	1.336	Si
123	4687	9409	17057	SLV 9	0.47	1429	1.331	84305	1342411	1872544	SLV 11	0.48	1480	1.35	Si
134	4415	9409	17057	SLV 9	0.48	1514	1.362	143045	1263621	1872544	SLV 11	0.49	1591	1.39	Si
145	4143	9409	17057	SLV 9	0.49	1603	1.395	198744	1185370	1872544	SLV 11	0.51	1730	1.439	Si
153	3964	9409	17057	SLV 9	0.5	1663	1.416	359184	933396	1872544	SLV 11	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	7135	3305	17057	SLD 9	0.4	922	2.797	-362153	821826	1872306	SLD 7	0.37	723	2.532	Si
34	6866	3305	17057	SLD 9	0.41	984	2.873	-362153	821826	1872318	SLD 7	0.37	723	2.532	Si
39	6730	3305	17057	SLD 9	0.42	1021	2.917	-362153	821826	1872355	SLD 7	0.37	723	2.532	Si
50	6458	3305	17057	SLD 9	0.43	1095	3.002	-362153	821826	1872360	SLD 7	0.37	723	2.532	Si
61	6185	3305	17057	SLD 9	0.44	1172	3.087	-293133	789930	1872393	SLD 7	0.37	738	2.553	Si
73	5913	3305	17057	SLD 9	0.45	1251	3.17	-217665	753884	1872544	SLD 7	0.37	759	2.583	Si
84	5641	3305	17057	SLD 9	0.46	1334	3.255	-145238	718002	1872544	SLD 7	0.38	784	2.618	Si
95	5368	3305	17057	SLD 9	0.47	1420	3.339	-75852	682309	1872544	SLD 7	0.38	815	2.659	Si
106	5096	3305	17057	SLD 9	0.48	1509	3.424	-9508	646834	1872544	SLD 7	0.39	853	2.71	Si
117	4824	3305	17057	SLD 9	0.49	1604	3.51	53794	605845	1872544	SLD 11	0.4	921	2.796	Si
123	4687	3305	17057	SLD 9	0.5	1652	3.553	84305	594070	1872544	SLD 11	0.4	927	2.804	Si
134	4415	3305	17057	SLD 9	0.51	1750	3.638	143045	559202	1872544	SLD 11	0.41	993	2.884	Si
145	4143	3305	17057	SLD 9	0.52	1853	3.724	198744	524573	1872544	SLD 11	0.43	1079	2.984	Si
153	3964	3305	17057	SLD 9	0.52	1922	3.781	359184	413065	1872544	SLD 11	0.49	1559	3.47	Si

Campata 5 tra i fili ? - ?, sezione R 45x70, asta 961

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	15.21	5.4	650692	SLU 29	650692	1872544	0.088						Si
15	19.01	5.4	15.21	5.4	746233	SLU 29	893681	1872544	0.088						Si
19	19.01	5.4	15.21	5.4	768290	SLU 29	908872	1872544	0.088						Si
37	19	5.4	15.95	5.4	864652	SLU 29	972163	1960300	0.089						Si
56	16.36	5.4	12.08	5.4	939778	SLU 29	1014217	1502651	0.084						Si
75	13.72	5.4	14.58	5.4	993668	SLU 29	1035035	1798359	0.088						Si
84	12.4	5.4	13.95	5.4	1012649	SLU 29	1037739	1723919	0.087						Si
103	7.6	5.4	11.4	5.4	1034685	SLU 29	1037739	1422093	0.084						Si
121	7.6	5.4	11.4	5.4	1035484	SLU 29	1037739	1422093	0.084						Si
140	7.6	5.4	11.4	5.4	1015047	SLU 29	1037739	1422093	0.084						Si
159	7.6	5.4	11.4	5.4	973374	SLU 29	1028787	1422093	0.084						Si
177	7.6	5.4	11.4	5.4	910485	SLU 29	998949	1422093	0.084						Si
196	12.4	5.4	11.4	5.4	826497	SLU 29	947875	1422094	0.084						Si
215	15.04	5.4	11.4	5.4	721425	SLU 29	875639	1422107	0.084						Si
224	16.36	5.4	11.4	5.4	660983	SLU 29	831613	1422107	0.084						Si
243	19	5.4	11.4	5.4	524287	SLU 29	727750	1422107	0.084						Si
261	19.01	5.4	11.4	5.4	366508	SLU 29	602804	1422107	0.084						Si
265	19.01	5.4	11.4	5.4	332410	SLU 29	575522	1422107	0.084						Si
280	19.01	5.4	11.4	5.4	187646	SLU 29	187646	1422107	0.084						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	15.21	5.4	1247800	SLV 11	1235339	1872544	0.088	-416319	SLV 5	-335938	-2323187	0.094	Si
15	19.01	5.4	15.21	5.4	1220169	SLV 11	1220169	1872544	0.088	-261172	SLV 5	-261172	-2323187	0.094	Si
19	19.01	5.4	15.21	5.4	1212569	SLV 11	1220169	1872544	0.088	-224139	SLV 5	-261172	-2323187	0.094	Si
37	19	5.4	15.95	5.4	1163473	SLV 11	1220169	1960300	0.089	-46499	SLV 5	-261172	-2322327	0.094	Si
56	16.36	5.4	12.08	5.4	1100448	SLV 11	1192374	1502651	0.084	116660	SLV 5	-143896	-2009934	0.092	Si
75	13.72	5.4	14.58	5.4	1023465	SLV 11	1137117	1798359	0.088						Si
84	12.4	5.4	13.95	5.4	979744	SLV 11	1104261	1723919	0.087						Si
103	7.6	5.4	11.4	5.4	932174	SLV 15	1028078	1422093	0.084						Si
121	7.6	5.4	11.4	5.4	913957	SLV 15	948415	1422093	0.084						Si
140	7.6	5.4	11.4	5.4	934056	SLV 13	963810	1422093	0.084						Si
159	7.6	5.4	11.4	5.4	957117	SLV 13	1035434	1422093	0.084						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
177	7.6	5.4	11.4	5.4	997218	SLV 9	1093418	1422093	0.084	178355	SLV 7	-105982	-970824	0.078	Si
196	12.4	5.4	11.4	5.4	1063010	SLV 9	1137367	1422094	0.084	-154	SLV 7	-306576	-1540446	0.085	Si
215	15.04	5.4	11.4	5.4	1114784	SLV 9	1167261	1422107	0.084	-192854	SLV 7	-521324	-1853527	0.09	Si
224	16.36	5.4	11.4	5.4	1135406	SLV 9	1176935	1422107	0.084	-294516	SLV 7	-634002	-2009980	0.092	Si
243	19	5.4	11.4	5.4	1166106	SLV 9	1183936	1422107	0.084	-508453	SLV 7	-783416	-2322691	0.097	Si
261	19.01	5.4	11.4	5.4	1182742	SLV 9	1183936	1422107	0.084	-736532	SLV 7	-783416	-2323557	0.097	Si
265	19.01	5.4	11.4	5.4	1183936	SLV 9	1183936	1422107	0.084	-783416	SLV 7	-783416	-2323557	0.097	Si
271	19.01	5.4	11.4	5.4	1185783	SLV 9	1185688	1422107	0.084	-855873	SLV 7	-842068	-2323557	0.097	Si
280	19.01	5.4	11.4	5.4	1185305	SLV 9	1185305	1422107	0.084	-978747	SLV 7	-879122	-2323557	0.097	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	15.21	5.4	783959	SLD 11	783959	1872544	0.088						Si
15	19.01	5.4	15.21	5.4	807274	SLD 11	827495	1872544	0.088						Si
19	19.01	5.4	15.21	5.4	812115	SLD 11	827988	1872544	0.088						Si
37	19	5.4	15.95	5.4	826217	SLD 11	827988	1960300	0.089						Si
56	16.36	5.4	12.08	5.4	826237	SLD 11	827988	1502651	0.084						Si
75	13.72	5.4	14.58	5.4	812161	SLD 11	827988	1798359	0.088						Si
84	12.4	5.4	13.95	5.4	799840	SLD 11	826438	1723919	0.087						Si
103	7.6	5.4	11.4	5.4	786903	SLD 15	813170	1422093	0.084						Si
121	7.6	5.4	11.4	5.4	779038	SLD 15	786903	1422093	0.084						Si
140	7.6	5.4	11.4	5.4	780211	SLD 13	784845	1422093	0.084						Si
159	7.6	5.4	11.4	5.4	774778	SLD 13	780211	1422093	0.084						Si
177	7.6	5.4	11.4	5.4	768975	SLD 9	779349	1422093	0.084						Si
196	12.4	5.4	11.4	5.4	766672	SLD 9	769580	1422094	0.084						Si
215	15.04	5.4	11.4	5.4	750304	SLD 9	769580	1422107	0.084	171626	SLD 7	-50663	-1853527	0.09	Si
224	16.36	5.4	11.4	5.4	736842	SLD 9	767006	1422107	0.084	104048	SLD 7	-129237	-2009980	0.092	Si
243	19	5.4	11.4	5.4	699354	SLD 9	751444	1422107	0.084	-41701	SLD 7	-235054	-2322691	0.097	Si
261	19.01	5.4	11.4	5.4	647780	SLD 9	721806	1422107	0.084	-201571	SLD 7	-235054	-2323557	0.097	Si
265	19.01	5.4	11.4	5.4	635574	SLD 9	714154	1422107	0.084	-235054	SLD 7	-235054	-2323557	0.097	Si
280	19.01	5.4	11.4	5.4	582116	SLD 9	582116	1422107	0.084	-375558	SLD 7	-303287	-2323557	0.097	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.97	0	6869	SLU 29	6869	11686	76908	0	11686	1	Si
15	0.115	13.95	0	5955	SLU 29	5955	11680	76908	13338	13338	1	Si
19	0.115	13.95	0	5731	SLU 29	5731	11680	76908	13338	13338	1	Si
37	0.115	11.4	0	4593	SLU 29	4593	10922	76908	13338	13338	1	Si
56	0.115	11.4	0	3456	SLU 29	3456	10922	76908	13338	13338	1	Si
75	0.115	11.4	0	2318	SLU 29	2318	10922	76908	13338	13338	1	Si
84	0.115	11.4	0	1749	SLU 29	1749	10922	76908	13338	13338	1	Si
103	0.101	11.4	0	612	SLU 29	612	10922	76908	11671	11671	1	Si
121	0.101	11.4	0	-530	SLU 30	-530	-10922	-76908	-11671	-11671	1	Si
140	0.101	11.4	0	-1667	SLU 30	-1667	-10922	-76908	-11671	-11671	1	Si
159	0.101	11.4	0	-2805	SLU 30	-2805	-10922	-76908	-11671	-11671	1	Si
177	0.101	11.4	0	-3938	SLU 30	-3938	-10922	-76908	-11671	-11671	1	Si
196	0.129	11.4	0	-5068	SLU 30	-5068	-10922	-76908	-15005	-15005	1	Si
215	0.129	11.4	0	-6197	SLU 30	-6197	-10922	-76908	-15005	-15005	1	Si
224	0.129	11.4	0	-6762	SLU 30	-6762	-10922	-76908	-15005	-15005	1	Si
243	0.129	11.4	0	-7891	SLU 30	-7891	-10922	-76908	-15005	-15005	1	Si
261	0.129	11.4	0	-9021	SLU 30	-9021	-10922	-76908	-15005	-15005	1	Si
265	0.129	11.4	0	-9243	SLU 30	-9243	-10922	-76908	-15005	-15005	1	Si
280	0	11.4	0	-10150	SLU 30	-10150	-10922	-76908	0	-10922	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.04	0	11155	SLV 9	12864	11977	76908	0	11977	1	Si
0	0	13.97	0	-1986	SLV 7	-3695	-11686	-76908	0	-11686	1	Si
15	0.115	12.4	0	10544	SLV 9	12252	11231	76908	13338	13338	1	Si
15	0.115	13.95	0	-2598	SLV 7	-4306	-11680	-76908	-13338	-13338	1	Si
19	0.115	12.4	0	10394	SLV 9	12103	11231	76908	13338	13338	1	Si
19	0.115	13.95	0	-2747	SLV 7	-4456	-11680	-76908	-13338	-13338	1	Si
37	0.115	11.4	0	9634	SLV 9	11342	10922	76908	13338	13338	1	Si
37	0.115	11.4	0	-3508	SLV 7	-5217	-10922	-76908	-13338	-13338	1	Si
56	0.115	11.4	0	8873	SLV 9	10581	10922	76908	13338	13338	1	Si
56	0.115	11.4	0	-4269	SLV 7	-5978	-10922	-76908	-13338	-13338	1	Si
75	0.115	11.4	0	8112	SLV 9	9820	10922	76908	13338	13338	1	Si
75	0.115	11.4	0	-5030	SLV 7	-6739	-10922	-76908	-13338	-13338	1	Si
84	0.115	11.4	0	7731	SLV 9	9440	10922	76908	13338	13338	1	Si
84	0.115	11.4	0	-5411	SLV 7	-7119	-10922	-76908	-13338	-13338	1	Si
103	0.101	11.4	0	6970	SLV 9	8679	10922	76908	11671	11671	1	Si
103	0.101	11.4	0	-6171	SLV 7	-7880	-10922	-76908	-11671	-11671	1	Si
121	0.101	11.4	0	6209	SLV 9	7918	10922	76908	11671	11671	1	Si
121	0.101	11.4	0	-6932	SLV 7	-8641	-10922	-76908	-11671	-11671	1	Si
140	0.101	11.4	0	5448	SLV 9	7157	10922	76908	11671	11671	1	Si
140	0.101	11.4	0	-7693	SLV 7	-9402	-10922	-76908	-11671	-11671	1	Si
159	0.101	11.4	0	4688	SLV 9	6396	10922	76908	11671	11671	1	Si
159	0.101	11.4	0	-8454	SLV 7	-10163	-10922	-76908	-11671	-11671	1	Si
177	0.101	11.4	0	3929	SLV 9	5638	10922	76908	11671	11671	1	Si
177	0.101	11.4	0	-9212	SLV 7	-10921	-10922	-76908	-11671	-11671	1	Si
196	0.129	11.4	0	3174	SLV 9	4882	10922	76908	15005	15005	1	Si
196	0.129	7.6	0	-9968	SLV 7	-11676	-9541	-76908	-15005	-15005	1	Si
215	0.129	11.4	0	2418	SLV 9	4127	10922	76908	15005	15005	1	Si
215	0.129	7.6	0	-10723	SLV 7	-12432	-9541	-76908	-15005	-15005	1	Si
224	0.129	11.4	0	2041	SLV 9	3749	10922	76908	15005	15005	1	Si
224	0.129	7.6	0	-11101	SLV 7	-12810	-9541	-76908	-15005	-15005	1	Si
243	0.129	11.4	0	1285	SLV 9	2993	10922	76908	15005	15005	1	Si
243	0.129	7.6	0	-11857	SLV 7	-13565	-9541	-76908	-15005	-15005	1	Si
261	0.129	11.4	0	529	SLV 9	2238	10922	76908	15005	15005	1	Si
261	0.129	12.4	0	-12612	SLV 7	-14321	-11231	-76908	-15005	-15005	1	Si
265	0.129	11.4	0	381	SLV 9	2089	10922	76908	15005	15005	1	Si
265	0.129	12.4	0	-12761	SLV 7	-14469	-11231	-76908	-15005	-15005	1	Si
271	0	11.4	0	152	SLV 9	1860	10922	76908	0	10922	1	Si
271	0	13.72	0	-12990	SLV 7	-14699	-11616	-76908	0	-11616	1	Si
280	0	11.4	0	-226	SLV 9	1482	10922	76908	0	10922	1	Si
280	0	15.04	0	-13368	SLV 7	-15076	-11977	-76908	0	-11977	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.97	0	7492	SLD 9	7492	11686	76908	0	11686	1	Si
15	0.115	13.95	0	6881	SLD 9	6881	11680	76908	13338	13338	1	Si
19	0.115	13.95	0	6731	SLD 9	6731	11680	76908	13338	13338	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
37	0.115	11.4	0	5971	SLD 9	5971	10922	76908	13338	13338	1	Si
56	0.115	11.4	0	5210	SLD 9	5210	10922	76908	13338	13338	1	Si
56	0.115	11.4	0	-606	SLD 7	-606	-10922	-76908	-13338	-13338	1	Si
75	0.115	11.4	0	4449	SLD 9	4449	10922	76908	13338	13338	1	Si
75	0.115	11.4	0	-1367	SLD 7	-1367	-10922	-76908	-13338	-13338	1	Si
84	0.115	11.4	0	4068	SLD 9	4068	10922	76908	13338	13338	1	Si
84	0.115	11.4	0	-1748	SLD 7	-1748	-10922	-76908	-13338	-13338	1	Si
103	0.101	11.4	0	3307	SLD 9	3307	10922	76908	11671	11671	1	Si
103	0.101	11.4	0	-2508	SLD 7	-2508	-10922	-76908	-11671	-11671	1	Si
121	0.101	11.4	0	2546	SLD 9	2546	10922	76908	11671	11671	1	Si
121	0.101	11.4	0	-3269	SLD 7	-3269	-10922	-76908	-11671	-11671	1	Si
140	0.101	11.4	0	1785	SLD 9	1785	10922	76908	11671	11671	1	Si
140	0.101	11.4	0	-4030	SLD 7	-4030	-10922	-76908	-11671	-11671	1	Si
159	0.101	11.4	0	1025	SLD 9	1025	10922	76908	11671	11671	1	Si
159	0.101	11.4	0	-4791	SLD 7	-4791	-10922	-76908	-11671	-11671	1	Si
177	0.101	11.4	0	266	SLD 9	266	10922	76908	11671	11671	1	Si
177	0.101	11.4	0	-5549	SLD 7	-5549	-10922	-76908	-11671	-11671	1	Si
196	0.129	11.4	0	-6305	SLD 7	-6305	-10922	-76908	-15005	-15005	1	Si
215	0.129	11.4	0	-7060	SLD 7	-7060	-10922	-76908	-15005	-15005	1	Si
224	0.129	11.4	0	-7438	SLD 7	-7438	-10922	-76908	-15005	-15005	1	Si
243	0.129	7.6	0	-8194	SLD 7	-8194	-9541	-76908	-15005	-15005	1	Si
261	0.129	12.4	0	-8949	SLD 7	-8949	-11231	-76908	-15005	-15005	1	Si
265	0.129	12.4	0	-9098	SLD 7	-9098	-11231	-76908	-15005	-15005	1	Si
280	0	15.04	0	-9705	SLD 7	-9705	-11977	-76908	0	-11977	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	466366	2	466366	13.2	124.5	521.3	1837	415740	2	415740	11.8	93.4	0	+∞	Si
15	536014	2	643529	18.2	124.5	719.3	1837	479498	2	577837	16.4	93.4	0	+∞	Si
19	552093	2	654610	18.6	124.5	731.6	1837	494215	2	587962	16.7	93.4	0	+∞	Si
37	622357	2	700792	19.6	124.5	748	1837	558487	2	630114	17.6	93.4	0	+∞	Si
56	677157	2	731510	23.2	124.5	1023.4	1837	608554	2	658061	20.9	93.4	0	+∞	Si
75	716494	2	746765	22.9	124.5	872.8	1837	644418	2	671805	20.6	93.4	0	+∞	Si
84	730363	2	748777	23.7	124.5	914.2	1837	657023	2	673533	21.3	93.4	0	+∞	Si
103	746505	2	748777	27.2	124.5	1114.9	1837	671581	2	673533	24.5	93.4	0	+∞	Si
121	747183	2	748777	27.2	124.5	1114.9	1837	671935	2	673533	24.5	93.4	0	+∞	Si
140	732397	2	748777	27.2	124.5	1114.9	1837	658085	2	673533	24.5	93.4	0	+∞	Si
159	702148	2	742349	27	124.5	1105.3	1837	630031	2	667375	24.2	93.4	0	+∞	Si
177	656450	2	720717	26.2	124.5	1073.1	1837	587787	2	647238	23.5	93.4	0	+∞	Si
196	595388	2	683623	23.3	124.5	1014	1837	531428	2	612896	20.8	93.4	0	+∞	Si
215	518972	2	631118	20.8	124.5	934.6	1837	460965	2	564399	18.6	93.4	0	+∞	Si
224	475007	2	599108	19.4	124.5	886.6	1837	420445	2	534860	17.3	93.4	0	+∞	Si
243	375562	2	523572	16.4	124.5	773.8	1837	328827	2	465206	14.6	93.4	0	+∞	Si
261	260764	2	432684	13.6	124.5	639.5	1837	223105	2	381448	12	93.4	0	+∞	Si
265	235953	2	412836	12.9	124.5	610.2	1837	200260	2	363164	11.4	93.4	0	+∞	Si
280	130613	2	125895	3.9	124.5	186.1	1837	103279	2	99142	3.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.043	0.031	0.035	0.025	0.039	0.031	0.032	0.025	0.038	0.031	0.077	2	0.062	2	8019	Si
15	0.046	0.033	0.037	0.027	0.042	0.033	0.034	0.027	0.041	0.033	0.082	2	0.067	2	7480	Si
19	0.047	0.034	0.038	0.027	0.043	0.034	0.035	0.027	0.042	0.034	0.083	2	0.068	2	7367	Si
37	0.05	0.036	0.041	0.029	0.046	0.036	0.037	0.029	0.044	0.036	0.089	2	0.073	2	6884	Si
56	0.053	0.038	0.043	0.03	0.048	0.038	0.039	0.031	0.047	0.038	0.094	2	0.077	2	6533	Si
75	0.054	0.039	0.044	0.031	0.05	0.039	0.041	0.032	0.048	0.039	0.098	2	0.079	2	6291	Si
84	0.055	0.039	0.045	0.032	0.051	0.04	0.041	0.032	0.049	0.04	0.099	2	0.08	2	6207	Si
103	0.056	0.04	0.045	0.032	0.051	0.04	0.042	0.033	0.05	0.04	0.101	2	0.082	2	6106	Si
112	0.056	0.04	0.046	0.032	0.051	0.04	0.042	0.033	0.05	0.04	0.101	2	0.082	2	6089	Si
121	0.056	0.04	0.046	0.032	0.051	0.04	0.042	0.033	0.05	0.04	0.101	2	0.082	2	6095	Si
140	0.055	0.039	0.045	0.032	0.051	0.04	0.041	0.032	0.049	0.04	0.1	2	0.081	2	6175	Si
159	0.054	0.038	0.044	0.031	0.049	0.039	0.04	0.031	0.048	0.039	0.097	2	0.078	2	6351	Si
177	0.052	0.036	0.042	0.029	0.047	0.037	0.038	0.03	0.046	0.037	0.093	2	0.075	2	6634	Si
196	0.049	0.034	0.039	0.027	0.045	0.035	0.036	0.028	0.043	0.035	0.087	2	0.07	2	7047	Si
215	0.046	0.032	0.036	0.025	0.042	0.032	0.033	0.026	0.04	0.032	0.081	2	0.064	2	7618	Si
224	0.044	0.03	0.035	0.024	0.04	0.031	0.032	0.024	0.039	0.031	0.077	2	0.061	2	7977	Si
243	0.04	0.027	0.031	0.021	0.036	0.027	0.028	0.022	0.035	0.028	0.069	2	0.055	2	8885	Si
261	0.035	0.024	0.028	0.018	0.032	0.024	0.025	0.019	0.031	0.024	0.061	2	0.048	2	9999	Si
265	0.034	0.023	0.027	0.018	0.031	0.023	0.024	0.018	0.03	0.023	0.059	2	0.046	2	9999	Si
280	0.03	0.02	0.023	0.015	0.027	0.02	0.021	0.016	0.026	0.02	0.052	2	0.04	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	3973	8279	13338	SLV 9	0.41	961	1.131	479498	740671	1872544	SLV 11	0.57	2474	1.666	Si
19	3824	8279	13338	SLV 9	0.42	1001	1.15	479498	740671	1872544	SLV 11	0.57	2474	1.666	Si
37	3063	8279	13338	SLV 9	0.45	1227	1.25	479498	740671	1960300	SLV 11	0.57	2474	1.666	Si
56	2302	8279	13338	SLV 9	0.48	1483	1.351	524239	668135	1502651	SLV 11	0.52	1907	1.498	Si
75	1541	8279	13338	SLV 9	0.51	1772	1.453	582223	554894	1798359	SLV 11	0.57	2474	1.666	Si
84	1160	8279	13338	SLV 9	0.52	1929	1.505	605888	498373	1723919	SLV 11	0.57	2474	1.666	Si
103	399	8279	11671	SLV 9	0.49	1569	1.383	642566	385512	1422093	SLV 11	0.57	2474	1.666	Si
121	-362	-8279	-11671	SLV 7	0.49	1583	1.388	644021	304393	1422093	SLV 13	0.57	2474	1.666	Si
140	-1122	-8279	-11671	SLV 7	0.46	1315	1.286	608053	355757	1422093	SLV 13	0.57	2474	1.666	Si
159	-1883	-8279	-11671	SLV 7	0.43	1079	1.186	557937	477496	1422093	SLV 9	0.57	2474	1.666	Si
177	-2641	-8279	-11671	SLV 7	0.4	879	1.09	493718	599700	1422093	SLV 9	0.55	2212	1.592	Si
196	-3397	-8279	-15005	SLV 7	0.5	1697	1.428	415395	721972	1422094	SLV 9	0.5	1672	1.419	Si
215	-4153	-8279	-15005	SLV 7	0.47	1418	1.326	322969	844293	1422107	SLV 9	0.47	1392	1.316	Si
224	-4530	-8279	-15005	SLV 7	0.46	1291	1.276	271466	905468	1422107	SLV 9	0.46	1306	1.282	Si
243	-5286	-8279	-15005	SLV 7	0.42	1059	1.177	200260	983676	1422107	SLV 9	0.45	1230	1.251	Si
261	-6041	-8279	-15005	SLV 7	0.39	864	1.083	200260	983676	1422107	SLV 9	0.45	1230	1.251	Si
265	-6190	-8279	-15005	SLV 7	0.39	829	1.064	200260	983676	1422107	SLV 9	0.45	1230	1.251	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	3973	2908	13338	SLD 9	0.43	1108	3.016	479498	327776	1872544	SLD 11	0.56	2320	4.084	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
19	3824	2908	13338	SLD 9	0.44	1155	3.068	479498	327776	1872544	SLD 11	0.56	2320	4.084	Si
37	3063	2908	13338	SLD 9	0.47	1416	3.335	479498	327776	1960300	SLD 11	0.59	2474	4.193	Si
56	2302	2908	13338	SLD 9	0.5	1714	3.607	585296	242692	1502651	SLD 11	0.5	1696	3.592	Si
75	1541	2908	13338	SLD 9	0.54	2049	3.881	585296	242692	1798359	SLD 11	0.6	2474	4.193	Si
84	1160	2908	13338	SLD 9	0.55	2230	4.018	605888	220550	1723919	SLD 11	0.6	2474	4.193	Si
103	399	2908	11671	SLD 9	0.51	1814	3.692	642566	170604	1422093	SLD 11	0.6	2474	4.193	Si
121	-362	-2908	-11671	SLD 7	0.52	1830	3.705	658085	122127	1422093	SLD 13	0.6	2474	4.193	Si
140	-1122	-2908	-11671	SLD 7	0.48	1519	3.433	608053	157279	1422093	SLD 9	0.6	2474	4.193	Si
159	-1883	-2908	-11671	SLD 7	0.45	1246	3.165	561370	208210	1422093	SLD 9	0.55	2154	3.961	Si
177	-2641	-2908	-11671	SLD 7	0.42	1003	2.896	561370	208210	1422093	SLD 9	0.55	2154	3.961	Si
196	-3397	-2908	-15005	SLD 7	0.53	1962	3.813	415395	319500	1422094	SLD 9	0.42	1044	2.944	Si
215	-4153	-2908	-15005	SLD 7	0.5	1639	3.542	322969	373631	1422107	SLD 9	0.4	876	2.739	Si
224	-4530	-2908	-15005	SLD 7	0.48	1491	3.407	271466	400704	1422107	SLD 9	0.39	826	2.674	Si
243	-5286	-2908	-15005	SLD 7	0.45	1222	3.14	200260	435314	1422107	SLD 9	0.38	781	2.613	Si
261	-6041	-2908	-15005	SLD 7	0.41	984	2.873	200260	435314	1422107	SLD 9	0.38	781	2.613	Si
265	-6190	-2908	-15005	SLD 7	0.41	943	2.823	200260	435314	1422107	SLD 9	0.38	781	2.613	Si

Campata 6 tra i fili ? - 32, sezione R 45x70, asta 962

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4	187758	SLU 29	166668	1422107	0.084						Si
11	19.01	5.4	11.4	5.4	60064	SLU 11	55517	1422107	0.084	-32190	SLU 26	-32190	-2323557	0.097	Si
15	19.01	5.4	11.4	5.4	19527	SLU 11	19527	1422107	0.084	-64593	SLU 26	-368504	-2323557	0.097	Si
22	19.01	5.4	11.4	5.4	-52517	SLU 2	19527	1422107	0.084	-133831	SLU 35	-466605	-2323557	0.097	Si
34	19.01	5.4	11.4	5.4	-164250	SLU 2	19527	1422107	0.084	-243299	SLU 35	-620600	-2323557	0.097	Si
45	19.01	5.4	11.4	5.4	-251490	SLU 1	13217	1422107	0.084	-375866	SLU 36	-778992	-2323557	0.097	Si
50	19.01	5.4	11.4	5.4						-450860	SLU 30	-859837	-2323557	0.097	Si
61	19.01	5.4	11.4	5.4						-604401	SLU 30	-1024825	-2323557	0.097	Si
73	24.49	6	11.4	5.4						-762339	SLU 30	-1194210	-2942299	0.11	Si
84	26.06	6.1	11.4	5.4						-924674	SLU 30	-1367991	-3120209	0.114	Si
95	27.64	6.2	11.4	5.4						-1091406	SLU 30	-1546170	-3297499	0.12	Si
106	29.22	6.3	11.4	5.4						-1262535	SLU 30	-1728745	-3472507	0.132	Si
117	30.41	6.4	11.4	5.4						-1438061	SLU 30	-1893312	-3602910	0.141	Si
123	30.41	6.4	11.4	5.4						-1527473	SLU 30	-1893312	-3602910	0.141	Si
134	30.41	6.4	11.4	5.4						-1709594	SLU 30	-1893312	-3602910	0.141	Si
145	30.41	6.4	11.4	5.4						-1893312	SLU 30	-1893312	-3602910	0.141	Si
145	30.41	6.4	11.4	5.4						-1896113	SLU 30	-1896113	-3602910	0.141	Si
156	30.41	6.4	11.4	5.4						-2087028	SLU 30	-2036558	-3602910	0.141	Si
168	30.41	6.4	11.4	5.4						-2282340	SLU 30	-2083371	-3602910	0.141	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4	1184113	SLV 9	1169004	1422107	0.084	-977464	SLV 7	-977464	-2323557	0.097	Si
11	19.01	5.4	11.4	5.4	1159590	SLV 9	1158709	1422107	0.084	-1131025	SLV 7	-1131025	-2323557	0.097	Si
15	19.01	5.4	11.4	5.4	1150428	SLV 9	1150428	1422107	0.084	-1184544	SLV 7	-1601815	-2323557	0.097	Si
22	19.01	5.4	11.4	5.4	1132182	SLV 9	1150428	1422107	0.084	-1287712	SLV 7	-1710540	-2323557	0.097	Si
34	19.01	5.4	11.4	5.4	1101913	SLV 9	1150428	1422107	0.084	-1447549	SLV 7	-1878761	-2323557	0.097	Si
45	19.01	5.4	11.4	5.4	1068815	SLV 9	1149002	1422107	0.084	-1610569	SLV 7	-2050313	-2323557	0.097	Si
50	19.01	5.4	11.4	5.4	1051219	SLV 9	1135087	1422107	0.084	-1693285	SLV 7	-2137368	-2323557	0.097	Si
61	19.01	5.4	11.4	5.4	1013964	SLV 9	1105113	1422107	0.084	-1861165	SLV 7	-2314108	-2323557	0.097	Si
73	24.49	6	11.4	5.4	974022	SLV 9	1072306	1452270	0.087	-2032368	SLV 7	-2494483	-2942299	0.11	Si
84	26.06	6.1	11.4	5.4	931484	SLV 9	1036710	1460909	0.088	-2206986	SLV 7	-2678677	-3120209	0.114	Si
95	27.64	6.2	11.4	5.4	886475	SLV 9	998381	1469549	0.089	-2385146	SLV 7	-2866902	-3297499	0.12	Si
106	29.22	6.3	11.4	5.4	839158	SLV 9	957398	1478173	0.09	-2567007	SLV 7	-3059367	-3472507	0.132	Si
117	30.41	6.4	11.4	5.4	789730	SLV 9	913866	1484659	0.091	-2752770	SLV 7	-3232646	-3602910	0.141	Si
123	30.41	6.4	11.4	5.4	764293	SLV 9	891186	1484659	0.091	-2847182	SLV 7	-3232646	-3602910	0.141	Si
134	30.41	6.4	11.4	5.4	712101	SLV 9	844102	1484659	0.091	-3039197	SLV 7	-3232646	-3602910	0.141	Si
145	30.41	6.4	11.4	5.4	659089	SLV 9	795632	1484659	0.091	-3232646	SLV 7	-3232646	-3602910	0.141	Si
145	30.41	6.4	11.4	5.4	658280	SLV 9	658157	1484659	0.091	-3235594	SLV 7	-3235479	-3602910	0.141	Si
156	30.41	6.4	11.4	5.4	602883	SLV 9	602883	1484659	0.091	-3436427	SLV 7	-3377285	-3602910	0.141	Si
168	30.41	6.4	11.4	5.4	545834	SLV 9	545834	1484659	0.091	-3641618	SLV 7	-3424554	-3602910	0.141	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4	581614	SLD 9	542107	1422107	0.084	-374966	SLD 7	-374966	-2323557	0.097	Si
11	19.01	5.4	11.4	5.4	521124	SLD 9	518549	1422107	0.084	-492559	SLD 7	-492559	-2323557	0.097	Si
15	19.01	5.4	11.4	5.4	499599	SLD 9	499599	1422107	0.084	-533715	SLD 7	-856924	-2323557	0.097	Si
22	19.01	5.4	11.4	5.4	457682	SLD 9	499599	1422107	0.084	-613212	SLD 7	-941805	-2323557	0.097	Si
34	19.01	5.4	11.4	5.4	391299	SLD 9	499599	1422107	0.084	-736935	SLD 7	-1073599	-2323557	0.097	Si
45	19.01	5.4	11.4	5.4	321988	SLD 9	496248	1422107	0.084	-863741	SLD 7	-1208544	-2323557	0.097	Si
50	19.01	5.4	11.4	5.4	286240	SLD 9	464311	1422107	0.084	-928307	SLD 7	-1277210	-2323557	0.097	Si
61	19.01	5.4	11.4	5.4	212577	SLD 9	398231	1422107	0.084	-1059777	SLD 7	-1416963	-2323557	0.097	Si
73	24.49	6	11.4	5.4	136048	SLD 9	329222	1452270	0.087	-1194394	SLD 7	-1560001	-2942299	0.11	Si
84	26.06	6.1	11.4	5.4	56695	SLD 9	257303	1460909	0.088	-1332197	SLD 7	-1706404	-3120209	0.114	Si
95	27.64	6.2	11.4	5.4	-25427	SLD 9	182499	1469549	0.089	-1473244	SLD 7	-1856266	-3297499	0.12	Si
106	29.22	6.3	11.4	5.4	-110246	SLD 9	104845	1478173	0.09	-1617604	SLD 7	-2009680	-3472507	0.132	Si
117	30.41	6.4	11.4	5.4	-197674	SLD 9	24387	1484659	0.091	-1765365	SLD 7	-2147899	-3602910	0.141	Si
123	30.41	6.4	11.4	5.4						-1840552	SLD 7	-2147899	-3602910	0.141	Si
134	30.41	6.4	11.4	5.4						-1993594	SLD 7	-2147899	-3602910	0.141	Si
145	30.41	6.4	11.4	5.4						-2147899	SLD 7	-2147899	-3602910	0.141	Si
145	30.41	6.4	11.4	5.4						-2150251	SLD 7	-2150202	-3602910	0.141	Si
156	30.41	6.4	11.4	5.4						-2310546	SLD 7	-2265482	-3602910	0.141	Si
168	30.41	6.4	11.4	5.4						-2474446	SLD 7	-2303909	-3602910	0.141	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	-11784	SLU 29	-11784	-10922	-76908	0	-10922	1	Si
11	0	11.4	0	-12178	SLU 29	-12178	-10922	-76908	0	-10922	1	Si
15	0.186	11.4	0	-12313	SLU 29	-12313	-10922	-76908	-21546	-21546	1	Si
22	0.186	19.01	0	-12571	SLU 29	-12571	-12949	-76908	-21546	-21546	1	Si
34	0.186	19.01	0	-12965	SLU 29	-12965	-12949	-76908	-21546	-21546	1	Si
45	0.186	19.01	0	-13359	SLU 29	-13359	-12949	-76908	-21546	-21546	1	Si
50	0.186	19.01	0	-13556	SLU 29	-13556	-12949	-76908	-21546	-21546	1	Si
61	0.186	19.01	0	-13949	SLU 29	-13949	-12949	-76908	-21546	-21546	1	Si
73	0.186	19.01	0	-14343	SLU 29	-14343	-12891	-76198	-21347	-21347	1	Si
84	0.186	19.01	0	-14737	SLU 29	-14737	-12878	-76049	-21305	-21305	1	Si
95	0.186	19.01	0	-15131	SLU 29	-15131	-12868	-75916	-21268	-21268	1	Si
106	0.186	19.01	0	-15524	SLU 29	-15524	-12858	-75798	-21235	-21235	1	Si
117	0.186	19.01	0	-15918	SLU 29	-15918	-12851	-75718	-21213	-21213	1	Si
123	0.186	19.01	0	-16115	SLU 29	-16115	-12851	-75718	-21213	-21213	1	Si
134	0.186	24.49	0	-16509	SLU 29	-16509	-13983	-75718	-21213	-21213	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
145	0.186	26.06	0	-16897	SLU 29	-16897	-14278	-75718	-21213	-21213	1	Si
145	0	26.06	0	-16903	SLU 29	-16903	-14278	-75718	0	-14278	1	Si
156	0	27.64	0	-17296	SLU 29	-17296	-14560	-75718	0	-14560	1	Si
168	0	29.22	0	-17690	SLU 29	-17690	-14832	-75718	0	-14832	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	-686	SLV 5	1174	10922	76908	0	10922	1	Si
0	0	19.01	0	-14993	SLV 11	-16853	-12949	-76908	0	-12949	1	Si
11	0	11.4	0	-955	SLV 5	905	10922	76908	0	10922	1	Si
11	0	19.01	0	-15262	SLV 11	-17122	-12949	-76908	0	-12949	1	Si
15	0.186	11.4	0	-1047	SLV 5	813	10922	76908	21546	21546	1	Si
15	0.186	19.01	0	-15354	SLV 11	-17214	-12949	-76908	-21546	-21546	1	Si
22	0.186	11.4	0	-1224	SLV 5	636	10922	76908	21546	21546	1	Si
22	0.186	19.01	0	-15531	SLV 11	-17391	-12949	-76908	-21546	-21546	1	Si
34	0.186	11.4	0	-1493	SLV 5	367	10922	76908	21546	21546	1	Si
34	0.186	19.01	0	-15800	SLV 11	-17660	-12949	-76908	-21546	-21546	1	Si
45	0.186	11.4	0	-1762	SLV 5	98	10922	76908	21546	21546	1	Si
45	0.186	19.01	0	-16070	SLV 11	-17929	-12949	-76908	-21546	-21546	1	Si
50	0.186	19.01	0	-16204	SLV 11	-18064	-12949	-76908	-21546	-21546	1	Si
61	0.186	19.01	0	-16473	SLV 11	-18333	-12949	-76908	-21546	-21546	1	Si
73	0.186	19.01	0	-16742	SLV 11	-18602	-12891	-76198	-21347	-21347	1	Si
84	0.186	19.01	0	-17012	SLV 11	-18871	-12878	-76049	-21305	-21305	1	Si
95	0.186	19.01	0	-17281	SLV 11	-19141	-12868	-75916	-21268	-21268	1	Si
106	0.186	19.01	0	-17550	SLV 11	-19410	-12858	-75798	-21235	-21235	1	Si
117	0.186	19.01	0	-17819	SLV 11	-19679	-12851	-75718	-21213	-21213	1	Si
123	0.186	19.01	0	-17954	SLV 11	-19814	-12851	-75718	-21213	-21213	1	Si
134	0.186	24.49	0	-18223	SLV 11	-20083	-13983	-75718	-21213	-21213	1	Si
145	0.186	26.06	0	-18488	SLV 11	-20348	-14278	-75718	-21213	-21213	1	Si
145	0	26.06	0	-18492	SLV 11	-20352	-14278	-75718	0	-14278	1	Si
156	0	27.64	0	-18761	SLV 11	-20621	-14560	-75718	0	-14560	1	Si
168	0	29.22	0	-19030	SLV 11	-20890	-14832	-75718	0	-14832	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	-11005	SLD 11	-11005	-12949	-76908	0	-12949	1	Si
11	0	19.01	0	-11274	SLD 11	-11274	-12949	-76908	0	-12949	1	Si
15	0.186	19.01	0	-11367	SLD 11	-11367	-12949	-76908	-21546	-21546	1	Si
22	0.186	19.01	0	-11543	SLD 11	-11543	-12949	-76908	-21546	-21546	1	Si
34	0.186	19.01	0	-11813	SLD 11	-11813	-12949	-76908	-21546	-21546	1	Si
45	0.186	19.01	0	-12082	SLD 11	-12082	-12949	-76908	-21546	-21546	1	Si
50	0.186	19.01	0	-12216	SLD 11	-12216	-12949	-76908	-21546	-21546	1	Si
61	0.186	19.01	0	-12485	SLD 11	-12485	-12949	-76908	-21546	-21546	1	Si
73	0.186	19.01	0	-12755	SLD 11	-12755	-12891	-76198	-21347	-21347	1	Si
84	0.186	19.01	0	-13024	SLD 11	-13024	-12878	-76049	-21305	-21305	1	Si
95	0.186	19.01	0	-13293	SLD 11	-13293	-12868	-75916	-21268	-21268	1	Si
106	0.186	19.01	0	-13562	SLD 11	-13562	-12858	-75798	-21235	-21235	1	Si
117	0.186	19.01	0	-13831	SLD 11	-13831	-12851	-75718	-21213	-21213	1	Si
123	0.186	19.01	0	-13966	SLD 11	-13966	-12851	-75718	-21213	-21213	1	Si
134	0.186	24.49	0	-14235	SLD 11	-14235	-13983	-75718	-21213	-21213	1	Si
145	0.186	26.06	0	-14500	SLD 11	-14500	-14278	-75718	-21213	-21213	1	Si
145	0	26.06	0	-14504	SLD 11	-14504	-14278	-75718	0	-14278	1	Si
156	0	27.64	0	-14773	SLD 11	-14773	-14560	-75718	0	-14560	1	Si
168	0	29.22	0	-15042	SLD 11	-15042	-14832	-75718	0	-14832	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	130685	2	125895	3.9	124.5	186.1	1837	103324	2	99142	3.1	93.4	0	+∞	Si
11	33276	2	33034	1	124.5	48.8	1837	14282	2	14072	0.4	93.4	0	+∞	Si
11	-21324	8	-21324	0.6	124.5	19.4	1837	-14208	1	-14208	0.4	93.4	0	+∞	Si
15	-48255	8	-274325	7.9	124.5	249	1837	-41154	1	-265597	7.7	93.4	0	+∞	Si
22	-100444	8	-345862	10	124.5	313.9	1837	-93371	1	-331549	9.6	93.4	0	+∞	Si
34	-182236	8	-458112	13.2	124.5	415.8	1837	-175206	1	-434427	12.6	93.4	0	+∞	Si
45	-279724	9	-573590	16.6	124.5	520.6	1837	-270877	2	-540310	15.6	93.4	0	+∞	Si
50	-334386	3	-632539	18.3	124.5	574.1	1837	-321033	2	-594378	17.2	93.4	0	+∞	Si
61	-446303	3	-752859	21.8	124.5	683.3	1837	-423600	2	-704770	20.4	93.4	0	+∞	Si
73	-561447	3	-876407	23.7	124.5	639.1	1837	-529173	2	-818167	22.1	93.4	0	+∞	Si
84	-679820	3	-1003184	26.7	124.5	692.9	1837	-637751	2	-934570	24.9	93.4	0	+∞	Si
95	-801420	3	-1133188	29.7	124.5	743.6	1837	-749335	2	-1053978	27.6	93.4	0	+∞	Si
106	-926249	3	-1266421	32.7	124.5	791.7	1837	-863925	2	-1176392	30.4	93.4	0	+∞	Si
117	-1054306	3	-1386529	35.5	124.5	837.1	1837	-981520	2	-1286779	32.9	93.4	0	+∞	Si
123	-1119545	3	-1386529	35.5	124.5	837.1	1837	-1041445	2	-1286779	32.9	93.4	0	+∞	Si
134	-1252445	3	-1386529	35.5	124.5	837.1	1837	-1163548	2	-1286779	32.9	93.4	0	+∞	Si
145	-1386529	3	-1386529	35.5	124.5	837.1	1837	-1286779	2	-1286779	32.9	93.4	0	+∞	Si
145	-1388572	3	-1388572	35.5	124.5	838.4	1837	-1288657	2	-1288657	33	93.4	0	+∞	Si
156	-1527928	3	-1491081	38.2	124.5	900.3	1837	-1416772	2	-1382883	35.4	93.4	0	+∞	Si
168	-1670512	3	-1525250	39	124.5	920.9	1837	-1547892	2	-1414290	36.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.03	0.02	0.023	0.015	0.027	0.02	0.021	0.016	0.026	0.02	0.052	2	0.04	2	9999	Si
11	0.027	0.018	0.021	0.013	0.025	0.018	0.019	0.014	0.024	0.018	0.046	2	0.036	2	9999	Si
15	0.026	0.017	0.02	0.013	0.024	0.017	0.018	0.013	0.023	0.017	0.044	2	0.034	2	9999	Si
22	0.024	0.016	0.019	0.012	0.022	0.016	0.017	0.012	0.021	0.016	0.041	2	0.031	2	9999	Si
34	0.021	0.013	0.016	0.01	0.019	0.014	0.014	0.01	0.018	0.014	0.035	2	0.027	2	9999	Si
45	0.018	0.011	0.014	0.008	0.016	0.012	0.012	0.008	0.016	0.012	0.03	2	0.022	2	9999	Si
50	0.017	0.01	0.012	0.007	0.015	0.011	0.011	0.008	0.014	0.011	0.028	2	0.02	2	9999	Si
61	0.014	0.008	0.01	0.006	0.012	0.009	0.009	0.006	0.012	0.009	0.023	2	0.016	2	9999	Si
73	0.011	0.006	0.008	0.004	0.01	0.007	0.007	0.005	0.009	0.007	0.018	2	0.013	2	9999	Si
84	0.009	0.005	0.006	0.003	0.008	0.005	0.005	0.003	0.007	0.005	0.013	2	0.009	2	9999	Si
95	0.006	0.003	0.004	0.002	0.006	0.003	0.004	0.002	0.005	0.003	0.01	2	0.006	2	9999	Si
106	0.004	0.002	0.003	0.001	0.004	0.002	0.002	0.001	0.003	0.002	0.006	2	0.003	2	9999	Si
117	0.003	0.001	0.001	0	0.002	0.001	0.001	0	0.002	0.001	0.003	2	0.001	2	9999	Si
123	0.002	0	0.001	0	0.002	0	0.001	0	0.001	0	0.002	2	0	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
134	0.001	0	0	-0.001	0	0	0	-0.001	0	0	0	2	-0.001	2	9999	Si
145	0	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	2	-0.001	2	9999	Si
145	0	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	2	-0.001	2	9999	Si
156	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	2	-0.001	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	-8201	-9013	-21546	SLV 11	0.53	1964	1.516	-17058	1167486	1422107	SLV 9	0.44	1205	1.241	Si
22	-8378	-9013	-21546	SLV 11	0.52	1895	1.494	-17058	1167486	1422107	SLV 9	0.44	1205	1.241	Si
34	-8647	-9013	-21546	SLV 11	0.51	1793	1.46	-17058	1167486	1422107	SLV 9	0.44	1205	1.241	Si
45	-8916	-9013	-21546	SLV 11	0.5	1695	1.427	-540310	-1510003	-2323557	SLV 7	0.43	1076	1.184	Si
50	-9051	-9013	-21546	SLV 11	0.5	1647	1.41	-594378	-1542989	-2323557	SLV 7	0.41	939	1.12	Si
61	-9320	-9013	-21546	SLV 11	0.49	1553	1.377	-704770	-1609338	-2323557	SLV 7	0.37	722	1.006	Si
73	-9589	-9013	-21347	SLV 11	0.47	1400	1.319	-818167	-1676316	-2942299	SLV 7	0.46	1296	1.278	Si
84	-9858	-9013	-21305	SLV 11	0.46	1304	1.282	-934570	-1744107	-3120209	SLV 7	0.45	1259	1.263	Si
95	-10127	-9013	-21268	SLV 11	0.45	1214	1.245	-1053978	-1812924	-3297499	SLV 7	0.45	1218	1.246	Si
106	-10396	-9013	-21235	SLV 11	0.43	1129	1.208	-1176392	-1882975	-3472507	SLV 7	0.44	1171	1.226	Si
117	-10665	-9013	-21213	SLV 11	0.42	1050	1.173	-1286779	-1945868	-3602910	SLV 7	0.43	1098	1.194	Si
123	-10800	-9013	-21213	SLV 11	0.42	1015	1.156	-1286779	-1945868	-3602910	SLV 7	0.43	1098	1.194	Si
134	-11069	-9013	-21213	SLV 11	0.41	949	1.125	-1286779	-1945868	-3602910	SLV 7	0.43	1098	1.194	Si
145	-11334	-9013	-21213	SLV 11	0.4	890	1.096	-1286779	-1945868	-3602910	SLV 7	0.43	1098	1.194	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	-8201	-3166	-21546	SLD 11	0.56	2271	4.048	-17058	516657	1422107	SLD 9	0.38	768	2.596	Si
22	-8378	-3166	-21546	SLD 11	0.55	2191	3.989	-17058	516657	1422107	SLD 9	0.38	768	2.596	Si
34	-8647	-3166	-21546	SLD 11	0.54	2073	3.9	-17058	516657	1422107	SLD 9	0.38	768	2.596	Si
45	-8916	-3166	-21546	SLD 11	0.53	1959	3.81	-540310	-668234	-2323557	SLD 7	0.36	691	2.485	Si
50	-9051	-3166	-21546	SLD 11	0.52	1904	3.766	-594378	-682832	-2323557	SLD 7	0.34	609	2.36	Si
61	-9320	-3166	-21546	SLD 11	0.51	1795	3.676	-704770	-712193	-2323557	SLD 7	0.31	470	2.122	Si
73	-9589	-3166	-21347	SLD 11	0.49	1618	3.523	-818167	-741834	-2942299	SLD 7	0.38	820	2.666	Si
84	-9858	-3166	-21305	SLD 11	0.48	1506	3.421	-934570	-771834	-3120209	SLD 7	0.38	799	2.638	Si
95	-10127	-3166	-21268	SLD 11	0.47	1401	3.321	-1053978	-802288	-3297499	SLD 7	0.38	775	2.605	Si
106	-10396	-3166	-21235	SLD 11	0.46	1303	3.224	-1176392	-833288	-3472507	SLD 7	0.37	747	2.566	Si
117	-10665	-3166	-21213	SLD 11	0.45	1212	3.129	-1286779	-861121	-3602910	SLD 7	0.36	705	2.506	Si
123	-10800	-3166	-21213	SLD 11	0.44	1172	3.087	-1286779	-861121	-3602910	SLD 7	0.36	705	2.506	Si
134	-11069	-3166	-21213	SLD 11	0.43	1092	2.998	-1286779	-861121	-3602910	SLD 7	0.36	705	2.506	Si
145	-11334	-3166	-21213	SLD 11	0.42	1017	2.912	-1286779	-861121	-3602910	SLD 7	0.36	705	2.506	Si

Campata 7 tra i fili 32 - ?, sezione R 45x70, asta 963

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	6.4	11.4	5.4						-2045747	SLU 30	-1814692	-3602910	0.141	Si
12	30.41	6.4	11.4	5.4						-1811093	SLU 30	-1757649	-3602910	0.141	Si
23	30.41	6.4	11.4	5.4						-1602526	SLU 30	-1602526	-3602910	0.141	Si
35	30.41	6.4	11.4	5.4						-1372506	SLU 30	-1602526	-3602910	0.141	Si
47	30.14	6.4	11.4	5.4						-1168651	SLU 29	-1602526	-3573832	0.139	Si
52	29.26	6.3	11.4	5.4						-1070575	SLU 29	-1584883	-3475952	0.132	Si
64	25.96	6.3	11.4	5.4						-882101	SLU 29	-1370796	-3099007	0.114	Si
76	22.66	6.2	11.4	5.4						-703869	SLU 29	-1167026	-2718252	0.106	Si
87	19.36	6.1	11.4	5.4						-535877	SLU 29	-973518	-2336641	0.099	Si
99	12.35	5.4	11.4	5.4						-378126	SLU 29	-790250	-1533779	0.085	Si
105	10.73	5.4	11.4	5.4	-187008	SLU 8	34590	1422094	0.084	-303091	SLU 29	-702456	-1341826	0.082	Si
111	11.28	5.4	11.4	5.4	-143766	SLU 8	93228	1422094	0.084	-230616	SLU 29	-617222	-1407091	0.083	Si
122	12.38	5.4	11.4	5.4	-60727	SLU 17	205078	1422094	0.084	-94128	SLU 20	-454436	-1537599	0.085	Si
134	13.48	5.4	11.4	5.4	35416	SLU 18	213418	1422094	0.084	9036	SLU 19	-301890	-1668091	0.087	Si
140	14.03	5.4	11.4	5.4	94217	SLU 30	213418	1422107	0.084	45376	SLU 1	-229457	-1733302	0.088	Si
152	15.21	5.4	11.4	5.4	213418	SLU 30	213418	1422107	0.084	117146	SLU 1	-84562	-1873055	0.09	Si
163	15.21	5.4	11.4	5.4	307508	SLU 30	288090	1422107	0.084						Si
175	15.21	5.4	11.4	5.4	398793	SLU 30	315549	1422107	0.084						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	6.4	11.4	5.4						-2580934	SLV 5	-2352549	-3602910	0.141	Si
12	30.41	6.4	11.4	5.4						-2347346	SLV 5	-2294505	-3602910	0.141	Si
23	30.41	6.4	11.4	5.4	-58941	SLV 11	105914	1484659	0.091	-2136661	SLV 5	-2136661	-3602910	0.141	Si
35	30.41	6.4	11.4	5.4	17232	SLV 11	163930	1484659	0.091	-1900657	SLV 5	-2136661	-3602910	0.141	Si
47	30.14	6.4	11.4	5.4	81181	SLV 11	210969	1483186	0.091	-1687562	SLV 5	-2136661	-3573832	0.139	Si
52	29.26	6.3	11.4	5.4	110605	SLV 11	231961	1478721	0.09	-1583581	SLV 5	-2118750	-3475952	0.132	Si
64	25.96	6.3	11.4	5.4	164361	SLV 11	268941	1469787	0.09	-1380754	SLV 5	-1898877	-3099007	0.114	Si
76	22.66	6.2	11.4	5.4	211345	SLV 11	299477	1460829	0.089	-1184795	SLV 5	-1685839	-2718252	0.106	Si
87	19.36	6.1	11.4	5.4	251598	SLV 11	325078	1451874	0.088	-995747	SLV 5	-1479644	-2336641	0.099	Si
99	12.35	5.4	11.4	5.4	285247	SLV 11	355706	1422094	0.084	-813735	SLV 5	-1280305	-1533779	0.085	Si
105	10.73	5.4	11.4	5.4	299717	SLV 11	373252	1422094	0.084	-725489	SLV 5	-1183214	-1341826	0.082	Si
111	11.28	5.4	11.4	5.4	312844	SLV 11	389890	1422094	0.084	-639310	SLV 5	-1087851	-1407091	0.083	Si
122	12.38	5.4	11.4	5.4	339118	SLV 7	418818	1422094	0.084	-477203	SLV 9	-902353	-1537599	0.085	Si
134	13.48	5.4	11.4	5.4	373543	SLV 7	420767	1422094	0.084	-336889	SLV 9	-724061	-1668091	0.087	Si
140	14.03	5.4	11.4	5.4	390166	SLV 7	420767	1422107	0.084	-271256	SLV 9	-637927	-1733302	0.088	Si
152	15.21	5.4	11.4	5.4	420767	SLV 7	420767	1422107	0.084	-137288	SLV 9	-465692	-1873055	0.09	Si
163	15.21	5.4	11.4	5.4	441536	SLV 7	438663	1422107	0.084	-27707	SLV 9	-27707	-1873055	0.09	Si
175	15.21	5.4	11.4	5.4	513650	SLV 3	445244	1422107	0.084						Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	6.4	11.4	5.4						-1921554	SLD 5	-1733252	-3602910	0.141	Si
12	30.41	6.4	11.4	5.4						-1729559	SLD 5	-1685997	-3602910	0.141	Si
23	30.41	6.4	11.4	5.4						-1557492	SLD 5	-1557492	-3602910	0.141	Si
35	30.41	6.4	11.4	5.4						-1366041	SLD 5	-1557492	-3602910	0.141	Si
47	30.14	6.4	11.4	5.4						-1194521	SLD 5	-1557492	-3573832	0.139	Si
52	29.26	6.3	11.4	5.4						-1111323	SLD 5	-1542896	-3475952	0.132	Si
64	25.96	6.3	11.4	5.4						-950050	SLD 5	-1364606	-3099007	0.114	Si
76	22.66	6.2	11.4	5.4	-177833	SLD 11	13357	1460829	0.089	-795618	SLD 5	-1193143	-2718252	0.106	Si
87	19.36	6.1	11.4	5.4	-96102	SLD 11	79127	1451874	0.088	-648046	SLD 5	-1028510	-2336641	0.099	Si
99	12.35	5.4	11.4	5.4	-21097	SLD 11	143323	1422094	0.084	-507390	SLD 5	-870713	-1533779	0.085	Si
105	10.73	5.4	11.4	5.4	13937	SLD 11	174984	1422094	0.084	-439709	SLD 5	-794381	-1341826	0.082	Si
111	11.28	5.4	11.4	5.4	47427	SLD 11	205292	1422094	0.084	-373893	SLD 5	-719764	-1407091	0.083	Si
122	12.38	5.4	11.4	5.4	111563	SLD 7	261131	1422094	0.084	-249648	SLD 9	-575696	-1537599	0.085	Si
134	13.48	5.4	11.4	5.4	175508	SLD 7	265210	1422094	0.084	-138854	SLD 9	-438619	-1668091	0.087	Si
140	14.03	5.4	11.4	5.4	205794	SLD 7	265210	1422107	0.084	-86884	SLD 9	-372838	-1733302	0.088	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
152	15.21	5.4	11.4	5.4	265210	SLD 7	265210	1422107	0.084	18268	SLD 9	-240596	-1873055	0.09	Si
163	15.21	5.4	11.4	5.4	310737	SLD 7	301918	1422107	0.084						Si
175	15.21	5.4	11.4	5.4	378053	SLD 3	315417	1422107	0.084						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	25.96	0	20552	SLU 30	20552	14258	75718	0	14258	1	Si
12	0	22.66	0	19674	SLU 30	19674	13626	75718	0	13626	1	Si
17	0	21.01	0	19235	SLU 30	19235	13287	75718	0	13287	1	Si
23	0.186	19.36	0	18859	SLU 30	18859	12930	75718	21213	21213	1	Si
35	0.186	12.35	0	17919	SLU 30	17919	11129	75718	21213	21213	1	Si
47	0.186	11.28	0	17041	SLU 30	17041	10800	75735	21218	21218	1	Si
52	0.186	11.83	0	16602	SLU 30	16602	10977	75789	21233	21233	1	Si
64	0.186	12.93	0	15724	SLU 30	15724	11311	75849	21249	21249	1	Si
76	0.186	14.03	0	14847	SLU 30	14847	11629	75926	21271	21271	1	Si
87	0.186	15.13	0	13969	SLU 30	13969	11933	76029	21300	21300	1	Si
99	0.186	15.21	0	13091	SLU 30	13091	12021	76908	21546	21546	1	Si
111	0.186	15.21	0	12213	SLU 30	12213	12021	76908	21546	21546	1	Si
122	0.186	15.21	0	11335	SLU 30	11335	12021	76908	21546	21546	1	Si
134	0.186	11.4	0	10458	SLU 30	10458	10922	76908	21546	21546	1	Si
140	0.186	11.4	0	10019	SLU 30	10019	10922	76908	21546	21546	1	Si
152	0.186	11.4	0	9078	SLU 30	9078	10922	76908	21546	21546	1	Si
163	0	11.4	0	8263	SLU 30	8263	10922	76908	0	10922	1	Si
175	0	11.4	0	7385	SLU 30	7385	10922	76908	0	10922	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	25.96	0	20317	SLV 5	21981	14258	75718	0	14258	1	Si
12	0	22.66	0	19733	SLV 5	21396	13626	75718	0	13626	1	Si
17	0	21.01	0	19441	SLV 5	21104	13287	75718	0	13287	1	Si
23	0.186	19.36	0	19190	SLV 5	20854	12930	75718	21213	21213	1	Si
35	0.186	12.35	0	18564	SLV 5	20227	11129	75718	21213	21213	1	Si
47	0.186	11.28	0	17979	SLV 5	19643	10800	75735	21218	21218	1	Si
52	0.186	11.83	0	17687	SLV 5	19350	10977	75789	21233	21233	1	Si
64	0.186	12.93	0	17102	SLV 5	18766	11311	75849	21249	21249	1	Si
76	0.186	14.03	0	16518	SLV 5	18181	11629	75926	21271	21271	1	Si
87	0.186	15.13	0	15933	SLV 5	17597	11933	76029	21300	21300	1	Si
99	0.186	15.21	0	15348	SLV 5	17012	12021	76908	21546	21546	1	Si
111	0.186	15.21	0	14764	SLV 5	16427	12021	76908	21546	21546	1	Si
122	0.186	15.21	0	14179	SLV 5	15843	12021	76908	21546	21546	1	Si
122	0.186	11.4	0	1383	SLV 11	-280	-10922	-76908	-21546	-21546	1	Si
134	0.186	15.21	0	13595	SLV 5	15258	12021	76908	21546	21546	1	Si
134	0.186	11.4	0	798	SLV 11	-865	-10922	-76908	-21546	-21546	1	Si
140	0.186	15.21	0	13302	SLV 5	14966	12021	76908	21546	21546	1	Si
140	0.186	11.4	0	506	SLV 11	-1157	-10922	-76908	-21546	-21546	1	Si
152	0.186	15.21	0	12676	SLV 5	14340	12021	76908	21546	21546	1	Si
152	0.186	11.4	0	-120	SLV 11	-1784	-10922	-76908	-21546	-21546	1	Si
163	0	11.4	0	12133	SLV 5	13797	10922	76908	0	10922	1	Si
163	0	11.4	0	-663	SLV 11	-2327	-10922	-76908	0	-10922	1	Si
175	0	11.4	0	11549	SLV 5	13212	10922	76908	0	10922	1	Si
175	0	11.4	0	-1248	SLV 11	-2911	-10922	-76908	0	-10922	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	25.96	0	16750	SLD 5	16750	14258	75718	0	14258	1	Si
12	0	22.66	0	16166	SLD 5	16166	13626	75718	0	13626	1	Si
17	0	21.01	0	15874	SLD 5	15874	13287	75718	0	13287	1	Si
23	0.186	19.36	0	15623	SLD 5	15623	12930	75718	21213	21213	1	Si
35	0.186	12.35	0	14997	SLD 5	14997	11129	75718	21213	21213	1	Si
47	0.186	11.28	0	14412	SLD 5	14412	10800	75735	21218	21218	1	Si
52	0.186	11.83	0	14120	SLD 5	14120	10977	75789	21233	21233	1	Si
64	0.186	12.93	0	13535	SLD 5	13535	11311	75849	21249	21249	1	Si
76	0.186	14.03	0	12951	SLD 5	12951	11629	75926	21271	21271	1	Si
87	0.186	15.13	0	12366	SLD 5	12366	11933	76029	21300	21300	1	Si
99	0.186	15.21	0	11781	SLD 5	11781	12021	76908	21546	21546	1	Si
111	0.186	15.21	0	11197	SLD 5	11197	12021	76908	21546	21546	1	Si
122	0.186	15.21	0	10612	SLD 5	10612	12021	76908	21546	21546	1	Si
134	0.186	15.21	0	10028	SLD 5	10028	12021	76908	21546	21546	1	Si
140	0.186	15.21	0	9735	SLD 5	9735	12021	76908	21546	21546	1	Si
152	0.186	11.4	0	9109	SLD 5	9109	10922	76908	21546	21546	1	Si
163	0	11.4	0	8566	SLD 5	8566	10922	76908	0	10922	1	Si
175	0	11.4	0	7982	SLD 5	7982	10922	76908	0	10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1501068	3	-1332130	34.1	124.5	804.3	1837	-1398198	2	-1241710	31.8	93.4	0	+∞	Si
12	-1329478	3	-1290401	33	124.5	779.1	1837	-1239216	2	-1203019	30.8	93.4	0	+∞	Si
23	-1176924	3	-1176924	30.1	124.5	710.6	1837	-1097801	2	-1097801	28.1	93.4	0	+∞	Si
35	-1008632	3	-1176924	30.1	124.5	710.6	1837	-941712	2	-1097801	28.1	93.4	0	+∞	Si
47	-859428	2	-1176924	30.2	124.5	716.1	1837	-803191	2	-1097801	28.2	93.4	0	+∞	Si
52	-787624	2	-1164019	30.1	124.5	727.1	1837	-736488	2	-1085836	28.1	93.4	0	+∞	Si
64	-649602	2	-1007380	27	124.5	703.3	1837	-608196	2	-940551	25.2	93.4	0	+∞	Si
76	-519024	2	-858238	23.9	124.5	679.9	1837	-486725	2	-802086	22.3	93.4	0	+∞	Si
87	-395891	2	-716554	21	124.5	657.3	1837	-372074	2	-670441	19.6	93.4	0	+∞	Si
99	-280203	2	-582316	19.5	124.5	800.6	1837	-264244	2	-545616	18.3	93.4	0	+∞	Si
111	-171960	2	-455522	15.8	124.5	683.5	1837	-163233	2	-427612	14.8	93.4	0	+∞	Si
122	-71162	2	-336173	11.3	124.5	461	1837	-69043	2	-316427	10.6	93.4	0	+∞	Si
134	22952	9	154377	5.2	124.5	228.8	1837	18327	2	141739	4.8	93.4	0	+∞	Si
140	66650	3	154377	5.1	124.5	228.8	1837	59455	2	141739	4.7	93.4	0	+∞	Si
152	154377	3	154377	5.1	124.5	228.6	1837	141739	2	141739	4.7	93.4	0	+∞	Si
163	223707	3	209367	6.9	124.5	310	1837	206914	2	193377	6.3	93.4	0	+∞	Si
175	291068	3	229588	7.5	124.5	340	1837	270414	2	212366	7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara	Frequente	Quasi permanente	Verifica

	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
12	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
23	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.003	1	-0.004	1	9999	Si
35	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.004	1	-0.004	1	9999	Si
47	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.004	1	-0.004	1	9999	Si
52	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.003	1	-0.004	1	9999	Si
64	0	0	-0.001	-0.002	0	0	-0.001	-0.001	0	0	-0.003	2	-0.003	2	9999	Si
76	0.001	0	-0.001	-0.001	0.001	0	-0.001	-0.001	0.001	0	-0.001	2	-0.001	2	9999	Si
87	0.002	0.001	0	0	0.002	0.001	0	0	0.002	0.001	0	2	0	2	9999	Si
99	0.003	0.002	0.001	0.001	0.003	0.002	0.001	0.001	0.003	0.002	0.002	2	0.002	2	9999	Si
111	0.004	0.003	0.002	0.001	0.004	0.003	0.002	0.001	0.004	0.003	0.005	2	0.004	2	9999	Si
122	0.006	0.005	0.003	0.002	0.005	0.005	0.003	0.002	0.005	0.005	0.007	2	0.006	2	9999	Si
134	0.007	0.006	0.004	0.003	0.007	0.006	0.004	0.003	0.007	0.006	0.01	2	0.008	2	9999	Si
140	0.008	0.006	0.004	0.003	0.007	0.006	0.004	0.003	0.007	0.006	0.011	2	0.009	2	9999	Si
152	0.009	0.008	0.005	0.004	0.009	0.008	0.005	0.004	0.009	0.008	0.013	2	0.012	2	9999	Si
163	0.01	0.008	0.006	0.005	0.01	0.008	0.006	0.005	0.01	0.008	0.015	2	0.014	2	9999	Si
175	0.012	0.009	0.007	0.006	0.011	0.009	0.007	0.006	0.011	0.009	0.018	2	0.016	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	12792	8062	21213	SLV 5	0.38	791	1.044	-1097801	-1038860	-3602910	SLV 5	0.57	2474	1.666	Si
35	12166	8062	21213	SLV 5	0.41	943	1.122	-1097801	-1038860	-3602910	SLV 5	0.57	2474	1.666	Si
47	11581	8062	21218	SLV 5	0.43	1111	1.2	-1097801	-1038860	-3573832	SLV 5	0.57	2474	1.666	Si
52	11289	8062	21233	SLV 5	0.44	1207	1.242	-1085836	-1032914	-3475952	SLV 5	0.57	2474	1.666	Si
64	10704	8062	21249	SLV 5	0.47	1410	1.323	-940551	-958326	-3099007	SLV 5	0.57	2474	1.666	Si
76	10120	8062	21271	SLV 5	0.5	1637	1.407	-802086	-883754	-2718252	SLV 5	0.57	2474	1.666	Si
87	9535	8062	21300	SLV 5	0.52	1888	1.492	-670441	-809203	-2336641	SLV 5	0.57	2474	1.666	Si
99	8950	8062	21546	SLV 5	0.56	2268	1.608	-545616	-734689	-1533779	SLV 5	0.48	1519	1.364	Si
111	8366	8062	21546	SLV 5	0.57	2474	1.666	-427612	-660239	-1407091	SLV 5	0.53	1974	1.519	Si
122	7781	8062	21546	SLV 5	0.57	2474	1.666	-316427	-585926	-1537599	SLV 5	0.57	2474	1.666	Si
134	7197	8062	21546	SLV 5	0.57	2474	1.666	-212063	-511998	-1668091	SLV 5	0.57	2474	1.666	Si
140	6904	8062	21546	SLV 5	0.57	2474	1.666	-162439	-475489	-1733302	SLV 5	0.57	2474	1.666	Si
152	6278	8062	21546	SLV 5	0.57	2474	1.666	141739	279028	1422107	SLV 7	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	12792	2831	21213	SLD 5	0.4	900	2.77	-1097801	-459691	-3602910	SLD 5	0.6	2474	4.193	Si
35	12166	2831	21213	SLD 5	0.43	1085	2.991	-1097801	-459691	-3602910	SLD 5	0.6	2474	4.193	Si
47	11581	2831	21218	SLD 5	0.45	1283	3.203	-1097801	-459691	-3573832	SLD 5	0.6	2474	4.193	Si
52	11289	2831	21233	SLD 5	0.47	1395	3.315	-1085836	-457060	-3475952	SLD 5	0.6	2474	4.193	Si
64	10704	2831	21249	SLD 5	0.49	1631	3.535	-940551	-424055	-3099007	SLD 5	0.6	2474	4.193	Si
76	10120	2831	21271	SLD 5	0.52	1892	3.756	-802086	-391057	-2718252	SLD 5	0.6	2474	4.193	Si
87	9535	2831	21300	SLD 5	0.55	2185	3.985	-670441	-358069	-2336641	SLD 5	0.6	2474	4.193	Si
99	8950	2831	21546	SLD 5	0.59	2474	4.193	-545616	-325097	-1533779	SLD 5	0.41	949	2.831	Si
111	8366	2831	21546	SLD 5	0.6	2474	4.193	-427612	-292153	-1407091	SLD 5	0.45	1233	3.152	Si
122	7781	2831	21546	SLD 5	0.6	2474	4.193	-316427	-259269	-1537599	SLD 5	0.6	2474	4.193	Si
134	7197	2831	21546	SLD 5	0.6	2474	4.193	-212063	-226556	-1668091	SLD 5	0.6	2474	4.193	Si
140	6904	2831	21546	SLD 5	0.6	2474	4.193	-162439	-210400	-1733302	SLD 5	0.6	2474	4.193	Si
152	6278	2831	21546	SLD 5	0.6	2474	4.193	141739	123471	1422107	SLD 7	0.6	2474	4.193	Si

Campata 8 tra i fili ? - 15, sezione R 45x70, asta 964

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	397913	SLU 30	397913	1422107	0.084						Si
17	15.21	5.4	11.4	5.4	481228	SLU 30	481228	1422107	0.084						Si
23	15.21	5.4	11.4	5.4	502906	SLU 30	583414	1422107	0.084						Si
34	14.12	5.4	11.4	5.4	542799	SLU 30	597041	1422107	0.084						Si
51	12.52	5.4	11.4	5.4	582626	SLU 30	601597	1422094	0.084						Si
60	11.72	5.4	11.4	5.4	594385	SLU 30	601597	1422094	0.084						Si
77	7.6	5.4	11.4	5.4	601597	SLU 30	601597	1422093	0.084						Si
94	7.6	5.4	11.4	5.4	587065	SLU 30	601597	1422093	0.084						Si
111	7.6	5.4	11.4	5.4	550789	SLU 30	598959	1422093	0.084						Si
128	7.6	5.4	11.4	5.4	492770	SLU 30	578121	1422093	0.084						Si
145	7.6	5.4	11.4	5.4	413086	SLU 29	535540	1422093	0.084						Si
162	10.61	5.4	11.4	5.4	311724	SLU 29	471215	1422094	0.084						Si
179	12.22	5.4	11.4	5.4	188619	SLU 29	385267	1422094	0.084	121135	SLU 4	-73553	-1518426	0.085	Si
196	13.82	5.4	11.4	5.4	56574	SLU 24	277600	1422094	0.084	30301	SLU 12	-255729	-1708546	0.087	Si
204	14.62	5.4	11.4	5.4	1531	SLU 24	215613	1422107	0.084	-39601	SLU 12	-348104	-1803590	0.089	Si
221	15.21	5.4	11.4	5.4	-98133	SLU 1	80641	1422107	0.084	-215006	SLU 30	-348104	-1873055	0.09	Si
233	15.21	5.4	11.4	5.4	-170857	SLU 1	5222	1422107	0.084	-348104	SLU 30	-348104	-1873055	0.09	Si
238	15.21	5.4	11.4	5.4						-414360	SLU 30	-405808	-1873055	0.09	Si
255	15.21	5.4	11.4	5.4						-635457	SLU 30	-482569	-1873055	0.09	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	512308	SLV 3	512308	1422107	0.084						Si
17	15.21	5.4	11.4	5.4	545803	SLV 3	544587	1422107	0.084						Si
23	15.21	5.4	11.4	5.4	558180	SLV 1	678950	1422107	0.084						Si
34	14.12	5.4	11.4	5.4	611427	SLV 1	731437	1422107	0.084						Si
51	12.52	5.4	11.4	5.4	677102	SLV 1	839212	1422094	0.084	110762	SLV 15	-27276	-1554374	0.085	Si
60	11.72	5.4	11.4	5.4	707420	SLV 5	887713	1422094	0.084	96502	SLV 11	-84481	-1459291	0.084	Si
77	7.6	5.4	11.4	5.4	818207	SLV 5	973913	1422093	0.084	-3892	SLV 11	-209813	-970824	0.078	Si
94	7.6	5.4	11.4	5.4	914633	SLV 5	1045695	1422093	0.084	-118886	SLV 11	-349688	-970824	0.078	Si
111	7.6	5.4	11.4	5.4	996654	SLV 5	1103046	1422093	0.084	-248437	SLV 11	-504095	-970824	0.078	Si
128	7.6	5.4	11.4	5.4	1064252	SLV 5	1145959	1422093	0.084	-392528	SLV 11	-673026	-970824	0.078	Si
145	7.6	5.4	11.4	5.4	1117417	SLV 5	1174428	1422093	0.084	-551148	SLV 11	-856475	-970824	0.078	Si
153	7.6	5.4	11.4	5.4	1138585	SLV 5	1183245	1422093	0.084	-635904	SLV 11	-953643	-970824	0.078	Si
162	10.61	5.4	11.4	5.4	1156142	SLV 5	1188450	1422094	0.084	-724290	SLV 11	-1054439	-1328244	0.082	Si
179	12.22	5.4	11.4	5.4	1180422	SLV 5	1190253	1422094	0.084	-911949	SLV 11	-1266913	-1518426	0.085	Si
196	13.82	5.4	11.4	5.4	1190253	SLV 5	1190253	1422094	0.084	-1114120	SLV 11	-1493894	-1708546	0.087	Si
204	14.62	5.4	11.4	5.4	1189749	SLV 5	1190253	1422107	0.084	-1220648	SLV 11	-1604708	-1803590	0.089	Si
221	15.21	5.4	11.4	5.4	1177900	SLV 5	1190253	1422107	0.084	-1444583	SLV 11	-1604708	-1873055	0.09	Si
233	15.21	5.4	11.4	5.4	1161274	SLV 5	1189783	1422107	0.084	-1604708	SLV 11	-1604708	-1873055	0.09	Si
238	15.21	5.4	11.4	5.4	1151594	SLV 5	1151594	1422107	0.084	-1683024	SLV 11	-1673251	-1873055	0.09	Si
255	15.21	5.4	11.4	5.4	1110830	SLV 5	1110830	1422107	0.084	-1935968	SLV 11	-1764431	-1873055	0.09	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	377079	SLD 3	377079	1422107	0.084						Si
17	15.21	5.4	11.4	5.4	423055	SLD 3	423055	1422107	0.084						Si
23	15.21	5.4	11.4	5.4	436651	SLD 1	520361	1422107	0.084						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
34	14.12	5.4	11.4	5.4	475174	SLD 1	548788	1422107	0.084						Si
51	12.52	5.4	11.4	5.4	519243	SLD 1	597681	1422094	0.084						Si
60	11.72	5.4	11.4	5.4	537128	SLD 5	616716	1422094	0.084						Si
77	7.6	5.4	11.4	5.4	589049	SLD 5	643952	1422093	0.084						Si
94	7.6	5.4	11.4	5.4	626542	SLD 5	656735	1422093	0.084						Si
111	7.6	5.4	11.4	5.4	649587	SLD 5	658178	1422093	0.084	98629	SLD 11	-56108	-970824	0.078	Si
128	7.6	5.4	11.4	5.4	658178	SLD 5	658178	1422093	0.084	13546	SLD 11	-165987	-970824	0.078	Si
145	7.6	5.4	11.4	5.4	652308	SLD 5	658178	1422093	0.084	-86039	SLD 11	-290364	-970824	0.078	Si
162	10.61	5.4	11.4	5.4	631975	SLD 5	657524	1422094	0.084	-200123	SLD 11	-429237	-1328244	0.082	Si
179	12.22	5.4	11.4	5.4	597177	SLD 5	647460	1422094	0.084	-328704	SLD 11	-582604	-1518426	0.085	Si
196	13.82	5.4	11.4	5.4	547913	SLD 5	622933	1422094	0.084	-471780	SLD 11	-750464	-1708546	0.087	Si
204	14.62	5.4	11.4	5.4	517855	SLD 5	605244	1422107	0.084	-548754	SLD 11	-833695	-1803590	0.089	Si
221	15.21	5.4	11.4	5.4	446887	SLD 5	559018	1422107	0.084	-713570	SLD 11	-833695	-1873055	0.09	Si
233	15.21	5.4	11.4	5.4	390261	SLD 5	519870	1422107	0.084	-833695	SLD 11	-833695	-1873055	0.09	Si
238	15.21	5.4	11.4	5.4	361449	SLD 5	361449	1422107	0.084	-892878	SLD 11	-885387	-1873055	0.09	Si
255	15.21	5.4	11.4	5.4	261539	SLD 5	261539	1422107	0.084	-1086678	SLD 11	-954152	-1873055	0.09	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	5549	SLU 29	5549	10922	76908	0	10922	1	Si
17	0	11.4	0	4270	SLU 29	4270	10922	76908	0	10922	1	Si
23	0.072	11.4	0	3856	SLU 29	3856	10922	76908	8336	10922	1	Si
34	0.072	11.4	0	2991	SLU 29	2991	10922	76908	8336	10922	1	Si
51	0.072	11.4	0	1712	SLU 29	1712	10922	76908	8336	10922	1	Si
60	0.072	11.4	0	1072	SLU 29	1072	10922	76908	8336	10922	1	Si
77	0.072	11.4	0	-227	SLU 36	-227	-10922	-76908	-8336	-10922	1	Si
94	0.115	11.4	0	-1494	SLU 30	-1494	-10922	-76908	-13338	-13338	1	Si
111	0.115	11.4	0	-2773	SLU 30	-2773	-10922	-76908	-13338	-13338	1	Si
128	0.115	11.4	0	-4052	SLU 30	-4052	-10922	-76908	-13338	-13338	1	Si
145	0.115	11.4	0	-5331	SLU 30	-5331	-10922	-76908	-13338	-13338	1	Si
162	0.115	11.4	0	-6611	SLU 30	-6611	-10922	-76908	-13338	-13338	1	Si
179	0.144	11.4	0	-7890	SLU 30	-7890	-10922	-76908	-16673	-16673	1	Si
196	0.144	11.4	0	-9169	SLU 30	-9169	-10922	-76908	-16673	-16673	1	Si
204	0.144	7.6	0	-9808	SLU 30	-9808	-9541	-76908	-16673	-16673	1	Si
221	0.144	7.6	0	-11087	SLU 30	-11087	-9541	-76908	-16673	-16673	1	Si
233	0.144	11.41	0	-11952	SLU 30	-11952	-10925	-76908	-16673	-16673	1	Si
238	0	11.41	0	-12366	SLU 30	-12366	-10925	-76908	0	-10925	1	Si
255	0	13.02	0	-13645	SLU 30	-13645	-11414	-76908	0	-11414	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	9974	SLV 5	11601	10922	76908	0	10922	1	Si
0	0	11.4	0	-2548	SLV 11	-4175	-10922	-76908	0	-10922	1	Si
17	0	11.4	0	9122	SLV 5	10750	10922	76908	0	10922	1	Si
17	0	11.4	0	-3399	SLV 11	-5027	-10922	-76908	0	-10922	1	Si
23	0.072	11.4	0	8846	SLV 5	10474	10922	76908	8336	10922	1	Si
23	0.072	11.4	0	-3675	SLV 11	-5303	-10922	-76908	-8336	-10922	1	Si
34	0.072	11.4	0	8270	SLV 5	9898	10922	76908	8336	10922	1	Si
34	0.072	11.4	0	-4251	SLV 11	-5879	-10922	-76908	-8336	-10922	1	Si
51	0.072	11.4	0	7418	SLV 5	9046	10922	76908	8336	10922	1	Si
51	0.072	11.4	0	-5103	SLV 11	-6731	-10922	-76908	-8336	-10922	1	Si
60	0.072	11.4	0	6992	SLV 5	8620	10922	76908	8336	10922	1	Si
60	0.072	11.4	0	-5529	SLV 11	-7157	-10922	-76908	-8336	-10922	1	Si
77	0.072	11.4	0	6140	SLV 5	7768	10922	76908	8336	10922	1	Si
77	0.072	7.6	0	-6381	SLV 11	-8009	-9541	-76908	-8336	-9541	1	Si
94	0.115	11.4	0	5289	SLV 5	6916	10922	76908	13338	13338	1	Si
94	0.115	10.61	0	-7233	SLV 11	-8860	-10663	-76908	-13338	-13338	1	Si
111	0.115	11.4	0	4437	SLV 5	6064	10922	76908	13338	13338	1	Si
111	0.115	12.22	0	-8084	SLV 11	-9712	-11175	-76908	-13338	-13338	1	Si
128	0.115	11.4	0	3585	SLV 5	5213	10922	76908	13338	13338	1	Si
128	0.115	11.72	0	-8936	SLV 11	-10564	-11021	-76908	-13338	-13338	1	Si
145	0.115	11.4	0	2733	SLV 5	4361	10922	76908	13338	13338	1	Si
145	0.115	7.6	0	-9788	SLV 11	-11416	-9541	-76908	-13338	-13338	1	Si
162	0.115	11.4	0	1881	SLV 5	3509	10922	76908	13338	13338	1	Si
162	0.115	7.6	0	-10640	SLV 11	-12268	-9541	-76908	-13338	-13338	1	Si
179	0.144	11.4	0	1029	SLV 5	2657	10922	76908	16673	16673	1	Si
179	0.144	7.6	0	-11492	SLV 11	-13120	-9541	-76908	-16673	-16673	1	Si
196	0.144	11.4	0	178	SLV 5	1805	10922	76908	16673	16673	1	Si
196	0.144	7.6	0	-12344	SLV 11	-13971	-9541	-76908	-16673	-16673	1	Si
204	0.144	11.4	0	-248	SLV 5	1379	10922	76908	16673	16673	1	Si
204	0.144	7.6	0	-12770	SLV 11	-14397	-9541	-76908	-16673	-16673	1	Si
221	0.144	11.4	0	-1100	SLV 5	528	10922	76908	16673	16673	1	Si
221	0.144	7.6	0	-13621	SLV 11	-15249	-9541	-76908	-16673	-16673	1	Si
233	0.144	11.41	0	-14198	SLV 11	-15825	-10925	-76908	-16673	-16673	1	Si
238	0	11.41	0	-14473	SLV 11	-16101	-10925	-76908	0	-10925	1	Si
255	0	13.02	0	-15325	SLV 11	-16953	-11414	-76908	0	-11414	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	6483	SLD 5	6483	10922	76908	0	10922	1	Si
17	0	11.4	0	5631	SLD 5	5631	10922	76908	0	10922	1	Si
23	0.072	11.4	0	5356	SLD 5	5356	10922	76908	8336	10922	1	Si
23	0.072	11.4	0	-185	SLD 11	-185	-10922	-76908	-8336	-10922	1	Si
34	0.072	11.4	0	4780	SLD 5	4780	10922	76908	8336	10922	1	Si
34	0.072	11.4	0	-761	SLD 11	-761	-10922	-76908	-8336	-10922	1	Si
51	0.072	11.4	0	3928	SLD 5	3928	10922	76908	8336	10922	1	Si
51	0.072	11.4	0	-1613	SLD 11	-1613	-10922	-76908	-8336	-10922	1	Si
60	0.072	11.4	0	3502	SLD 5	3502	10922	76908	8336	10922	1	Si
60	0.072	11.4	0	-2039	SLD 11	-2039	-10922	-76908	-8336	-10922	1	Si
77	0.072	11.4	0	2650	SLD 5	2650	10922	76908	8336	10922	1	Si
77	0.072	11.4	0	-2891	SLD 11	-2891	-10922	-76908	-8336	-10922	1	Si
94	0.115	11.4	0	1798	SLD 5	1798	10922	76908	13338	13338	1	Si
94	0.115	11.4	0	-3742	SLD 11	-3742	-10922	-76908	-13338	-13338	1	Si
111	0.115	11.4	0	946	SLD 5	946	10922	76908	13338	13338	1	Si
111	0.115	11.4	0	-4594	SLD 11	-4594	-10922	-76908	-13338	-13338	1	Si
128	0.115	11.4	0	95	SLD 5	95	10922	76908	13338	13338	1	Si
128	0.115	11.4	0	-5446	SLD 11	-5446	-10922	-76908	-13338	-13338	1	Si
145	0.115	7.6	0	-6298	SLD 11	-6298	-9541	-76908	-13338	-13338	1	Si
162	0.115	7.6	0	-7150	SLD 11	-7150	-9541	-76908	-13338	-13338	1	Si
179	0.144	7.6	0	-8001	SLD 11	-8001	-9541	-76908	-16673	-16673	1	Si
196	0.144	7.6	0	-8853	SLD 11	-8853	-9541	-76908	-16673	-16673	1	Si
204	0.144	7.6	0	-9279	SLD 11	-9279	-9541	-76908	-16673	-16673	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
221	0.144	7.6	0	-10131	SLD 11	-10131	-9541	-76908	-16673	-16673	1	Si
233	0.144	11.41	0	-10707	SLD 11	-10707	-10925	-76908	-16673	-16673	1	Si
238	0	11.41	0	-10983	SLD 11	-10983	-10925	-76908	0	-10925	1	Si
255	0	13.02	0	-11835	SLD 11	-11835	-11414	-76908	0	-11414	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	290395	3	290395	9.5	124.5	430	1837	269733	2	269733	8.9	93.4	0	+∞	Si
17	351141	3	351141	11.5	124.5	520	1837	325614	2	325614	10.7	93.4	0	+∞	Si
23	366958	3	425790	14	124.5	630.5	1837	340179	2	394470	12.9	93.4	0	+∞	Si
34	396079	3	435816	14.5	124.5	645.7	1837	367013	2	403812	13.4	93.4	0	+∞	Si
51	425211	3	439268	14.9	124.5	651.5	1837	393932	2	407158	13.8	93.4	0	+∞	Si
60	433848	3	439268	15.1	124.5	651.9	1837	401961	2	407158	14	93.4	0	+∞	Si
77	439268	3	439268	15.9	124.5	654	1837	407158	2	407158	14.8	93.4	0	+∞	Si
94	428880	3	439268	15.9	124.5	654	1837	397874	2	407158	14.8	93.4	0	+∞	Si
111	402685	3	437401	15.9	124.5	651.2	1837	374108	2	405515	14.7	93.4	0	+∞	Si
128	360682	3	422429	15.3	124.5	629	1837	335862	2	392031	14.2	93.4	0	+∞	Si
145	302924	2	391650	14.2	124.5	583.1	1837	283135	2	364067	13.2	93.4	0	+∞	Si
162	229403	2	345062	12	124.5	512.5	1837	215926	2	321621	11.2	93.4	0	+∞	Si
179	140074	2	282749	9.6	124.5	419.5	1837	134237	2	264694	9	93.4	0	+∞	Si
196	43277	6	204643	6.8	124.5	303.3	1837	42759	1	193286	6.5	93.4	0	+∞	Si
204	-23951	3	-249538	7.9	124.5	291.4	1837	-15450	2	-221717	7	93.4	0	+∞	Si
221	-152896	3	-249538	7.8	124.5	280.6	1837	-133342	2	-221717	6.9	93.4	0	+∞	Si
233	-249538	3	-249538	7.8	124.5	280.6	1837	-221717	2	-221717	6.9	93.4	0	+∞	Si
238	-297648	3	-291438	9.1	124.5	327.7	1837	-265715	2	-260035	8.1	93.4	0	+∞	Si
255	-458208	3	-347176	10.8	124.5	390.4	1837	-412569	2	-311008	9.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.012	0.009	0.007	0.006	0.011	0.009	0.007	0.006	0.011	0.009	0.018	2	0.016	2	9999	Si
17	0.013	0.011	0.009	0.007	0.012	0.011	0.008	0.007	0.012	0.011	0.02	2	0.018	2	9999	Si
23	0.013	0.011	0.009	0.007	0.013	0.011	0.008	0.007	0.012	0.011	0.021	2	0.019	2	9999	Si
34	0.014	0.011	0.009	0.008	0.013	0.011	0.009	0.008	0.013	0.011	0.022	2	0.02	2	9999	Si
51	0.015	0.012	0.01	0.008	0.014	0.012	0.01	0.008	0.014	0.012	0.024	2	0.021	2	9999	Si
60	0.015	0.012	0.01	0.008	0.014	0.012	0.01	0.008	0.014	0.012	0.025	2	0.022	2	9999	Si
77	0.015	0.012	0.011	0.009	0.014	0.012	0.01	0.009	0.014	0.012	0.025	2	0.022	2	9999	Si
94	0.015	0.012	0.01	0.009	0.014	0.012	0.01	0.009	0.014	0.012	0.025	2	0.022	2	9999	Si
111	0.014	0.012	0.01	0.008	0.013	0.012	0.01	0.008	0.013	0.012	0.024	2	0.021	2	9999	Si
128	0.013	0.011	0.009	0.008	0.013	0.011	0.009	0.008	0.012	0.011	0.022	2	0.02	2	9999	Si
145	0.012	0.01	0.008	0.007	0.011	0.01	0.008	0.007	0.011	0.01	0.02	2	0.018	2	9999	Si
162	0.01	0.009	0.007	0.006	0.01	0.009	0.007	0.006	0.01	0.009	0.017	2	0.016	2	9999	Si
179	0.009	0.007	0.006	0.005	0.008	0.007	0.006	0.005	0.008	0.007	0.014	2	0.013	2	9999	Si
196	0.007	0.005	0.005	0.004	0.006	0.005	0.004	0.004	0.006	0.005	0.011	2	0.01	2	9999	Si
204	0.006	0.005	0.004	0.003	0.005	0.005	0.004	0.003	0.005	0.005	0.009	2	0.008	2	9999	Si
221	0.004	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
233	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
238	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	2586	7888	10922	SLV 5	0.38	814	1.056	340179	218001	1422107	SLV 1	0.57	2474	1.666	Si
34	2009	7888	10922	SLV 5	0.41	958	1.129	403812	327625	1422107	SLV 5	0.57	2474	1.666	Si
51	1158	7888	10922	SLV 5	0.45	1218	1.246	405968	433244	1422094	SLV 5	0.57	2474	1.666	Si
60	732	7888	10922	SLV 5	0.46	1364	1.305	401616	486097	1422094	SLV 5	0.57	2474	1.666	Si
77	-120	-7888	-9541	SLV 11	0.43	1108	1.199	382050	591863	1422093	SLV 5	0.57	2474	1.666	Si
94	-972	-7888	-13338	SLV 11	0.56	2288	1.614	348003	697691	1422093	SLV 5	0.55	2179	1.582	Si
111	-1824	-7888	-13338	SLV 11	0.52	1890	1.492	299475	803571	1422093	SLV 5	0.5	1681	1.422	Si
128	-2676	-7888	-13338	SLV 11	0.48	1539	1.372	236467	909493	1422093	SLV 5	0.47	1397	1.318	Si
145	-3528	-7888	-13338	SLV 11	0.45	1234	1.253	158977	-1015452	-970824	SLV 11	0.4	923	1.112	Si
162	-4379	-7888	-13338	SLV 11	0.41	970	1.135	67006	1121444	1422094	SLV 5	0.44	1143	1.214	Si
179	-5231	-7888	-16673	SLV 11	0.52	1858	1.482	38066	1152187	1422094	SLV 5	0.43	1125	1.206	Si
196	-6083	-7888	-16673	SLV 11	0.48	1511	1.361	-160380	-1333514	-1708546	SLV 11	0.42	1028	1.163	Si
204	-6509	-7888	-16673	SLV 11	0.46	1355	1.302	-221717	-1382991	-1803590	SLV 11	0.41	989	1.144	Si
221	-7361	-7888	-16673	SLV 11	0.43	1075	1.184	-221717	1382991	1422107	SLV 5	0.43	1094	1.193	Si
233	-7937	-7888	-16673	SLV 11	0.4	913	1.107	-221717	1382991	1422107	SLV 5	0.43	1094	1.193	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	2586	2770	10922	SLD 5	0.4	926	2.802	340179	96472	1422107	SLD 1	0.6	2474	4.193	Si
34	2009	2770	10922	SLD 5	0.43	1104	3.012	403812	144976	1422107	SLD 5	0.6	2474	4.193	Si
51	1158	2770	10922	SLD 5	0.47	1407	3.327	405968	191712	1422094	SLD 5	0.6	2474	4.193	Si
60	732	2770	10922	SLD 5	0.49	1576	3.485	401616	215100	1422094	SLD 5	0.6	2474	4.193	Si
77	-120	-2770	-10922	SLD 11	0.52	1842	3.715	382050	261902	1422093	SLD 5	0.53	1934	3.79	Si
94	-972	-2770	-13338	SLD 11	0.59	2474	4.193	348003	308731	1422093	SLD 5	0.46	1359	3.28	Si
111	-1824	-2770	-13338	SLD 11	0.55	2186	3.985	335862	322316	1422093	SLD 5	0.45	1249	3.168	Si
128	-2676	-2770	-13338	SLD 11	0.51	1779	3.663	236467	-402454	-970824	SLD 11	0.4	919	2.794	Si
145	-3528	-2770	-13338	SLD 11	0.47	1425	3.344	158977	-449341	-970824	SLD 11	0.34	599	2.344	Si
162	-4379	-2770	-13338	SLD 11	0.43	1120	3.03	67006	496243	1422094	SLD 5	0.37	731	2.543	Si
179	-5231	-2770	-16673	SLD 11	0.55	2149	3.958	-39447	543158	1422094	SLD 5	0.36	706	2.507	Si
196	-6083	-2770	-16673	SLD 11	0.51	1747	3.636	-160380	-590084	-1708546	SLD 11	0.35	664	2.445	Si
204	-6509	-2770	-16673	SLD 11	0.49	1565	3.475	-221717	-611978	-1803590	SLD 11	0.35	640	2.409	Si
221	-7361	-2770	-16673	SLD 11	0.45	1241	3.16	-221717	611978	1422107	SLD 5	0.36	702	2.502	Si
233	-7937	-2770	-16673	SLD 11	0.42	1046	2.946	-221717	611978	1422107	SLD 5	0.36	702	2.502	Si

Campata 9 tra i fili 15 - 4, sezione R 45x70, asta 965

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4						-813442	SLU 30	-651769	-1873055	0.09	Si
23	15.21	5.4	11.4	5.4						-509071	SLU 30	-509071	-1873055	0.09	Si
45	15.15	5.4	11.4	5.4	-155464	SLU 1	49421	1422107	0.084	-238990	SLU 30	-509071	-1866941	0.09	Si
68	13.02	5.4	11.4	5.4	1024	SLU 11	227055	1422094	0.084	-37101	SLU 26	-311942	-1613493	0.086	Si
91	10.88	5.4	11.4	5.4	181370	SLU 29	368186	1422094	0.084	81749	SLU 8	-81205	-1359946	0.083	Si
102	7.6	5.4	11.4	5.4	262227	SLU 29	424256	1422093	0.084	128020	SLU 8	-6030	-970824	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
125	7.6	5.4	11.4	5.4	394952	SLU 29	507405	1422093	0.084						Si
147	7.6	5.4	11.4	5.4	489020	SLU 29	551898	1422093	0.084						Si
170	7.6	5.4	11.4	5.4	544434	SLU 29	561192	1422093	0.084						Si
193	7.6	5.4	11.4	5.4	561192	SLU 29	561192	1422093	0.084						Si
215	7.6	5.4	11.4	5.4	539295	SLU 29	561192	1422093	0.084						Si
238	12.32	5.4	20.43	5.4	478743	SLU 29	548211	2491550	0.099						Si
261	15.52	5.4	22.81	5.4	379535	SLU 29	498579	2773151	0.1						Si
272	17.12	5.4	20.59	5.4	315436	SLU 29	459267	2511035	0.095						Si
295	17.19	5.4	20.54	5.4	158245	SLU 29	351652	2505034	0.095	101300	SLU 8	-46994	-2108100	0.09	Si
317	13.97	5.4	16.69	5.4	8157	SLU 19	204156	2049092	0.091	-46994	SLU 12	-46994	-1725764	0.087	Si
340	7.6	5.4	12.15	5.4						-273942	SLU 30	-147971	-970924	0.078	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	954076	SLV 7	940518	1422107	0.084	-2067677	SLV 9	-1836838	-1873055	0.09	Si
23	15.21	5.4	11.4	5.4	924079	SLV 7	924079	1422107	0.084	-1628393	SLV 9	-1628393	-1873055	0.09	Si
45	15.15	5.4	11.4	5.4	867996	SLV 7	924079	1422107	0.084	-1208640	SLV 9	-1628393	-1866941	0.09	Si
68	13.02	5.4	11.4	5.4	786800	SLV 7	885564	1422094	0.084	-818197	SLV 9	-1324480	-1613493	0.086	Si
91	10.88	5.4	11.4	5.4	680595	SLV 7	811521	1422094	0.084	-454234	SLV 9	-926646	-1359946	0.083	Si
102	7.6	5.4	11.4	5.4	618352	SLV 7	765044	1422093	0.084	-282420	SLV 9	-737580	-970824	0.078	Si
125	7.6	5.4	11.4	5.4	476568	SLV 7	653520	1422093	0.084	39891	SLV 9	-379496	-970824	0.078	Si
147	7.6	5.4	11.4	5.4	371645	SLV 1	705863	1422093	0.084	273852	SLV 15	-49098	-970824	0.078	Si
170	7.6	5.4	11.4	5.4	634055	SLV 5	946978	1422093	0.084	88993	SLV 11	-201414	-970824	0.078	Si
193	7.6	5.4	11.4	5.4	882144	SLV 5	1163000	1422093	0.084	-133034	SLV 11	-457407	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	1105325	SLV 5	1353562	1422093	0.084	-381641	SLV 11	-739428	-970824	0.078	Si
238	12.32	5.4	20.43	5.4	1303103	SLV 5	1518532	2491550	0.099	-656331	SLV 11	-1047345	-1530175	0.084	Si
261	15.52	5.4	22.81	5.4	1475313	SLV 5	1657851	2773151	0.1	-956943	SLV 11	-1381099	-1909823	0.087	Si
272	17.12	5.4	20.59	5.4	1551806	SLV 5	1717880	2511035	0.095	-1116945	SLV 11	-1557653	-2099722	0.089	Si
295	17.19	5.4	20.54	5.4	1685542	SLV 5	1794240	2505034	0.095	-1456314	SLV 11	-1824307	-2108100	0.09	Si
317	13.97	5.4	16.69	5.4	1794240	SLV 5	1794240	2049092	0.091	-1824307	SLV 11	-1824307	-1725764	0.087	No
340	7.6	5.4	12.15	5.4	1875926	SLV 5	1841472	1510468	0.085	-2212429	SLV 11	-2012121	-970924	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	111820	SLD 7	111820	1422107	0.084	-1225421	SLD 9	-1062703	-1873055	0.09	Si
23	15.21	5.4	11.4	5.4	212627	SLD 7	304759	1422107	0.084	-916940	SLD 9	-916940	-1873055	0.09	Si
45	15.15	5.4	11.4	5.4	289173	SLD 7	348240	1422107	0.084	-629817	SLD 9	-916940	-1866941	0.09	Si
68	13.02	5.4	11.4	5.4	339436	SLD 7	365970	1422094	0.084	-370833	SLD 9	-708472	-1613493	0.086	Si
91	10.88	5.4	11.4	5.4	364279	SLD 7	367272	1422094	0.084	-137918	SLD 9	-442164	-1359946	0.083	Si
102	7.6	5.4	11.4	5.4	367272	SLD 7	367272	1422093	0.084	-31340	SLD 9	-318750	-970824	0.078	Si
125	7.6	5.4	11.4	5.4	354831	SLD 7	383502	1422093	0.084	161628	SLD 9	-91557	-970824	0.078	Si
147	7.6	5.4	11.4	5.4	344329	SLD 1	516941	1422093	0.084						Si
170	7.6	5.4	11.4	5.4	482094	SLD 5	626862	1422093	0.084						Si
193	7.6	5.4	11.4	5.4	599158	SLD 5	711321	1422093	0.084	149952	SLD 11	-5729	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	690841	SLD 5	770161	1422093	0.084	32844	SLD 11	-156027	-970824	0.078	Si
238	12.32	5.4	20.43	5.4	756928	SLD 5	803324	2491550	0.099	-110157	SLD 11	-332137	-1530175	0.084	Si
261	15.52	5.4	22.81	5.4	797349	SLD 5	812071	2773151	0.1	-278979	SLD 11	-534031	-1909823	0.087	Si
272	17.12	5.4	20.59	5.4	807924	SLD 5	812071	2511035	0.095	-373063	SLD 11	-644642	-2099722	0.089	Si
295	17.19	5.4	20.54	5.4	809790	SLD 5	812071	2505034	0.095	-580563	SLD 11	-815687	-2108100	0.09	Si
317	13.97	5.4	16.69	5.4	785620	SLD 5	811046	2049092	0.091	-815687	SLD 11	-815687	-1725764	0.087	Si
340	7.6	5.4	12.15	5.4	736356	SLD 5	736356	1510468	0.085	-1072859	SLD 11	-937986	-970924	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.02	0	14382	SLU 29	14382	11414	76908	0	11414	1	Si
23	0.201	10.88	0	12690	SLU 29	12690	10752	76908	23342	23342	1	Si
45	0.201	7.6	0	10972	SLU 29	10972	9541	76908	23342	23342	1	Si
68	0.201	7.6	0	9266	SLU 29	9266	9541	76908	23342	23342	1	Si
91	0.201	11.4	0	7561	SLU 29	7561	10922	76908	23342	23342	1	Si
102	0.156	11.4	0	6708	SLU 29	6708	10922	76908	18071	18071	1	Si
125	0.156	11.4	0	5003	SLU 29	5003	10922	76908	18071	18071	1	Si
147	0.156	11.4	0	3297	SLU 29	3297	10922	76908	18071	18071	1	Si
170	0.156	11.4	0	1592	SLU 29	1592	10922	76908	18071	18071	1	Si
193	0.156	11.4	0	180	SLU 19	180	10922	76908	18071	18071	1	Si
193	0.156	11.4	0	-185	SLU 12	-185	-10922	-76908	-18071	-18071	1	Si
215	0.156	11.4	0	-1824	SLU 30	-1824	-10922	-76908	-18071	-18071	1	Si
238	0.156	11.4	0	-3529	SLU 30	-3529	-10922	-76908	-18071	-18071	1	Si
261	0.172	11.4	0	-5235	SLU 30	-5235	-10922	-76908	-20007	-20007	1	Si
272	0.172	11.4	0	-6087	SLU 30	-6087	-10922	-76908	-20007	-20007	1	Si
295	0.172	16.69	0	-7793	SLU 30	-7793	-12401	-76908	-20007	-20007	1	Si
317	0.172	13.92	0	-9511	SLU 30	-9511	-11672	-76908	-20007	-20007	1	Si
340	0	13.97	0	-11204	SLU 30	-11204	-11685	-76908	0	-11685	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.02	0	20108	SLV 5	22824	11414	76908	0	11414	1	Si
0	0	11.4	0	-785	SLV 11	-3502	-10922	-76908	0	-10922	1	Si
11	0	11.95	0	19540	SLV 5	22256	11093	76908	0	11093	1	Si
11	0	11.4	0	-1353	SLV 11	-4069	-10922	-76908	0	-10922	1	Si
23	0.201	10.88	0	18980	SLV 5	21696	10752	76908	23342	23342	1	Si
23	0.201	11.4	0	-1913	SLV 11	-4629	-10922	-76908	-23342	-23342	1	Si
45	0.201	7.6	0	17836	SLV 5	20552	9541	76908	23342	23342	1	Si
45	0.201	11.4	0	-3057	SLV 11	-5773	-10922	-76908	-23342	-23342	1	Si
68	0.201	7.6	0	16700	SLV 5	19416	9541	76908	23342	23342	1	Si
68	0.201	11.4	0	-4193	SLV 11	-6909	-10922	-76908	-23342	-23342	1	Si
91	0.201	7.6	0	15564	SLV 5	18281	9541	76908	23342	23342	1	Si
91	0.201	11.4	0	-5329	SLV 11	-8045	-10922	-76908	-23342	-23342	1	Si
102	0.156	7.6	0	14997	SLV 5	17713	9541	76908	18071	18071	1	Si
102	0.156	11.4	0	-5896	SLV 11	-8613	-10922	-76908	-18071	-18071	1	Si
125	0.156	11.4	0	13861	SLV 5	16577	10922	76908	18071	18071	1	Si
125	0.156	11.4	0	-7032	SLV 11	-9748	-10922	-76908	-18071	-18071	1	Si
147	0.156	11.4	0	12725	SLV 5	15441	10922	76908	18071	18071	1	Si
147	0.156	11.4	0	-8168	SLV 11	-10884	-10922	-76908	-18071	-18071	1	Si
170	0.156	11.4	0	11589	SLV 5	14305	10922	76908	18071	18071	1	Si
170	0.156	11.4	0	-9304	SLV 11	-12020	-10922	-76908	-18071	-18071	1	Si
193	0.156	11.4	0	10454	SLV 5	13170	10922	76908	18071	18071	1	Si
193	0.156	7.6	0	-10439	SLV 11	-13156	-9541	-76908	-18071	-18071	1	Si
215	0.156	11.4	0	9318	SLV 5	12034	10922	76908	18071	18071	1	Si
215	0.156	7.6	0	-11575	SLV 11	-14291	-9541	-76908	-18071	-18071	1	Si
238	0.156	11.4	0	8182	SLV 5	10898	10922	76908	18071	18071	1	Si
238	0.156	7.6	0	-12711	SLV 11	-15427	-9541	-76908	-18071	-18071	1	Si
261	0.172	11.4	0	7046	SLV 5	9762	10922	76908	20007	20007	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
261	0.172	7.6	0	-13847	SLV 11	-16563	-9541	-76908	-20007	-20007	1	Si
272	0.172	11.4	0	6478	SLV 5	9194	10922	76908	20007	20007	1	Si
272	0.172	7.6	0	-14415	SLV 11	-17131	-9541	-76908	-20007	-20007	1	Si
295	0.172	16.69	0	5343	SLV 5	8059	12401	76908	20007	20007	1	Si
295	0.172	7.6	0	-15550	SLV 11	-18267	-9541	-76908	-20007	-20007	1	Si
317	0.172	16.69	0	4198	SLV 5	6915	12401	76908	20007	20007	1	Si
317	0.172	13.92	0	-16695	SLV 11	-19411	-11672	-76908	-20007	-20007	1	Si
340	0	16.69	0	3071	SLV 5	5787	12401	76908	0	12401	1	Si
340	0	13.97	0	-17822	SLV 11	-20538	-11685	-76908	0	-11685	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.02	0	14284	SLD 5	14284	11414	76908	0	11414	1	Si
23	0.201	10.88	0	13157	SLD 5	13157	10752	76908	23342	23342	1	Si
45	0.201	7.6	0	12012	SLD 5	12012	9541	76908	23342	23342	1	Si
68	0.201	7.6	0	10877	SLD 5	10877	9541	76908	23342	23342	1	Si
91	0.201	7.6	0	9741	SLD 5	9741	9541	76908	23342	23342	1	Si
102	0.156	7.6	0	9173	SLD 5	9173	9541	76908	18071	18071	1	Si
102	0.156	11.4	0	-73	SLD 11	-73	-10922	-76908	-18071	-18071	1	Si
125	0.156	11.4	0	8037	SLD 5	8037	10922	76908	18071	18071	1	Si
125	0.156	11.4	0	-1209	SLD 11	-1209	-10922	-76908	-18071	-18071	1	Si
147	0.156	11.4	0	6902	SLD 5	6902	10922	76908	18071	18071	1	Si
147	0.156	11.4	0	-2344	SLD 11	-2344	-10922	-76908	-18071	-18071	1	Si
170	0.156	11.4	0	5766	SLD 5	5766	10922	76908	18071	18071	1	Si
170	0.156	11.4	0	-3480	SLD 11	-3480	-10922	-76908	-18071	-18071	1	Si
193	0.156	11.4	0	4630	SLD 5	4630	10922	76908	18071	18071	1	Si
193	0.156	11.4	0	-4616	SLD 11	-4616	-10922	-76908	-18071	-18071	1	Si
215	0.156	11.4	0	3494	SLD 5	3494	10922	76908	18071	18071	1	Si
215	0.156	11.4	0	-5752	SLD 11	-5752	-10922	-76908	-18071	-18071	1	Si
238	0.156	11.4	0	2358	SLD 5	2358	10922	76908	18071	18071	1	Si
238	0.156	7.6	0	-6887	SLD 11	-6887	-9541	-76908	-18071	-18071	1	Si
261	0.172	11.4	0	1223	SLD 5	1223	10922	76908	20007	20007	1	Si
261	0.172	7.6	0	-8023	SLD 11	-8023	-9541	-76908	-20007	-20007	1	Si
272	0.172	11.4	0	655	SLD 5	655	10922	76908	20007	20007	1	Si
272	0.172	7.6	0	-8591	SLD 11	-8591	-9541	-76908	-20007	-20007	1	Si
295	0.172	7.6	0	-9727	SLD 11	-9727	-9541	-76908	-20007	-20007	1	Si
317	0.172	13.92	0	-10871	SLD 11	-10871	-11672	-76908	-20007	-20007	1	Si
340	0	13.97	0	-11998	SLD 11	-11998	-11685	-76908	0	-11685	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-597884	3	-479935	14.9	124.5	539.7	1837	-556800	2	-448160	14	93.4	0	+∞	Si
23	-375781	3	-375781	11.7	124.5	422.6	1837	-352157	2	-352157	11	93.4	0	+∞	Si
45	-178594	3	-375781	11.7	124.5	424	1837	-170322	2	-352157	11	93.4	0	+∞	Si
68	-23956	8	-231865	7.6	124.5	302.9	1837	-23002	1	-219458	7.2	93.4	0	+∞	Si
91	128639	2	265512	9.2	124.5	394.3	1837	113180	2	239997	8.3	93.4	0	+∞	Si
102	187834	2	306687	11.1	124.5	456.6	1837	167966	2	278274	10.1	93.4	0	+∞	Si
125	285150	2	367961	13.4	124.5	547.9	1837	258229	2	335521	12.2	93.4	0	+∞	Si
147	354363	2	401133	14.6	124.5	597.2	1837	322749	2	367023	13.3	93.4	0	+∞	Si
170	395473	2	408482	14.8	124.5	608.2	1837	361524	2	374555	13.6	93.4	0	+∞	Si
193	408482	2	408482	14.8	124.5	608.2	1837	374555	2	374555	13.6	93.4	0	+∞	Si
215	393388	2	408482	14.8	124.5	608.2	1837	361842	2	374555	13.6	93.4	0	+∞	Si
238	350192	2	399637	11.2	124.5	338.2	1837	323386	2	367252	10.3	93.4	0	+∞	Si
261	278894	2	364380	9.4	124.5	276.4	1837	259185	2	336068	8.7	93.4	0	+∞	Si
272	232707	2	336213	8.8	124.5	280.8	1837	217431	2	310822	8.2	93.4	0	+∞	Si
295	119256	2	258803	6.8	124.5	216.7	1837	114614	2	241022	6.3	93.4	0	+∞	Si
317	-24641	3	-24641	0.7	124.5	30	1837	-15034	2	-15034	0.5	93.4	0	+∞	Si
340	-193180	3	-102014	2.3	124.5	35.3	1837	-168252	2	-85324	3.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
45	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.004	2	9999	Si
68	0.006	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.009	2	0.008	2	9999	Si
91	0.008	0.006	0.006	0.004	0.007	0.006	0.005	0.004	0.007	0.006	0.013	2	0.011	2	9999	Si
102	0.009	0.007	0.006	0.005	0.008	0.007	0.006	0.005	0.008	0.007	0.015	2	0.012	2	9999	Si
125	0.01	0.008	0.008	0.006	0.01	0.008	0.007	0.006	0.009	0.008	0.018	2	0.015	2	9999	Si
147	0.012	0.009	0.009	0.007	0.011	0.009	0.008	0.007	0.011	0.009	0.02	2	0.017	2	9999	Si
170	0.012	0.01	0.009	0.007	0.011	0.01	0.009	0.007	0.011	0.01	0.021	2	0.018	2	9999	Si
181	0.012	0.01	0.009	0.007	0.012	0.01	0.009	0.007	0.011	0.01	0.021	2	0.018	2	9999	Si
193	0.012	0.01	0.009	0.007	0.012	0.01	0.009	0.007	0.011	0.01	0.021	2	0.018	2	9999	Si
215	0.012	0.009	0.009	0.007	0.011	0.009	0.008	0.007	0.011	0.009	0.02	2	0.017	2	9999	Si
238	0.01	0.008	0.008	0.006	0.01	0.008	0.007	0.006	0.01	0.008	0.018	2	0.016	2	9999	Si
261	0.009	0.007	0.006	0.005	0.008	0.007	0.006	0.005	0.008	0.007	0.015	2	0.013	2	9999	Si
272	0.008	0.006	0.006	0.004	0.007	0.006	0.005	0.005	0.007	0.006	0.013	2	0.011	2	9999	Si
295	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.009	2	0.008	2	9999	Si
317	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	8534	13163	23342	SLV 5	0.41	948	1.125	-352157	-1276236	-1873055	SLV 9	0.43	1102	1.196	Si
45	7390	13163	23342	SLV 5	0.44	1152	1.218	-352157	-1276236	-1866941	SLV 9	0.43	1090	1.191	Si
68	6254	13163	23342	SLV 5	0.47	1382	1.312	-219458	-1105022	-1613493	SLV 9	0.45	1281	1.272	Si
91	5118	13163	23342	SLV 5	0.5	1641	1.408	-57562	-869083	-1359946	SLV 9	0.53	2028	1.536	Si
102	4550	13163	18071	SLV 5	0.37	760	1.027	13732	-751312	-970824	SLV 9	0.47	1417	1.326	Si
125	3414	13163	18071	SLV 5	0.4	925	1.113	137012	-516508	-970824	SLV 9	0.57	2474	1.666	Si
147	2279	13163	18071	SLV 5	0.43	1122	1.205	367023	338840	1422093	SLV 5	0.57	2474	1.666	Si
170	1143	13163	18071	SLV 5	0.46	1348	1.299	372782	574196	1422093	SLV 5	0.57	2474	1.666	Si
193	7	13163	18071	SLV 5	0.49	1603	1.395	352796	810203	1422093	SLV 5	0.47	1444	1.336	Si
215	-1129	-13163	-18071	SLV 11	0.46	1351	1.3	307067	1046495	1422093	SLV 5	0.39	830	1.065	Si
238	-2265	-13163	-18071	SLV 11	0.43	1125	1.206	235593	-1282939	-1530175	SLV 11	0.49	1615	1.399	Si
261	-3400	-13163	-20007	SLV 11	0.45	1282	1.273	138376	-1519475	-1909823	SLV 11	0.48	1528	1.368	Si
272	-3968	-13163	-20007	SLV 11	0.44	1169	1.225	80113	-1637767	-2099722	SLV 11	0.48	1477	1.349	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
295	-5104	-13163	-20007	SLV 11	0.41	963	1.132	-15034	-1809273	-2108100	SLV 11	0.42	1019	1.158	Si
317	-6248	-13163	-20007	SLV 11	0.38	793	1.045	-15034	-1809273	-1725764	SLV 11	0.34	621	0.945	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	8534	4623	23342	SLD 5	0.43	1091	2.997	-352157	-564783	-1873055	SLD 9	0.36	707	2.509	Si
45	7390	4623	23342	SLD 5	0.46	1330	3.251	-352157	-564783	-1866941	SLD 9	0.36	700	2.499	Si
68	6254	4623	23342	SLD 5	0.49	1597	3.504	-219458	-489014	-1613493	SLD 9	0.38	811	2.654	Si
91	5118	4623	23342	SLD 5	0.52	1897	3.76	-57562	-384601	-1359946	SLD 9	0.45	1265	3.185	Si
102	4550	4623	18071	SLD 5	0.39	865	2.725	13732	-332482	-970824	SLD 9	0.4	891	2.759	Si
125	3414	4623	18071	SLD 5	0.42	1062	2.964	137012	-228569	-970824	SLD 9	0.6	2474	4.193	Si
147	2279	4623	18071	SLD 5	0.46	1295	3.216	367023	149918	1422093	SLD 5	0.6	2474	4.193	Si
170	1143	4623	18071	SLD 5	0.49	1557	3.468	372782	254080	1422093	SLD 5	0.55	2149	3.958	Si
193	7	4623	18071	SLD 5	0.52	1853	3.724	352796	358525	1422093	SLD 5	0.4	907	2.779	Si
215	-1129	-4623	-18071	SLD 11	0.49	1561	3.472	307067	463094	1422093	SLD 5	0.33	538	2.243	Si
238	-2265	-4623	-18071	SLD 11	0.46	1299	3.22	235593	-567730	-1530175	SLD 11	0.42	1008	2.902	Si
261	-3400	-4623	-20007	SLD 11	0.48	1480	3.397	138376	-672407	-1909823	SLD 11	0.41	955	2.838	Si
272	-3968	-4623	-20007	SLD 11	0.46	1349	3.27	80113	-724755	-2099722	SLD 11	0.4	925	2.801	Si
295	-5104	-4623	-20007	SLD 11	0.43	1110	3.019	-15034	-800653	-2108100	SLD 11	0.35	658	2.436	Si
317	-6248	-4623	-20007	SLD 11	0.4	902	2.772	-15034	-800653	-1725764	SLD 11	0.29	412	2.011	Si

Campata 10 tra i fili 4 - 4, sezione R 45x70, asta 966

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	12.15	5.4						-2913	SLU 30	-166	-970924	0.078	Si
2	7.6	5.4	7.6	5.4						-2537	SLU 36	-165	-970067	0.076	Si
3	7.6	5.4	7.6	5.4						-2188	SLU 36	-163	-970067	0.076	Si
5	7.6	5.4	7.6	5.4						-1864	SLU 36	-159	-970067	0.076	Si
6	7.6	5.4	7.6	5.4						-1566	SLU 36	-153	-970067	0.076	Si
7	7.6	5.4	7.6	5.4						-1427	SLU 36	-150	-970067	0.076	Si
9	7.6	5.4	7.6	5.4						-1168	SLU 36	-142	-970067	0.076	Si
10	7.6	5.4	7.6	5.4						-935	SLU 36	-133	-970067	0.076	Si
12	7.6	5.4	7.6	5.4						-728	SLU 36	-122	-970067	0.076	Si
14	7.6	5.4	7.6	5.4						-547	SLU 36	-110	-970067	0.076	Si
15	7.6	5.4	7.6	5.4						-392	SLU 36	-96	-970067	0.076	Si
17	7.6	5.4	7.6	5.4						-262	SLU 35	-80	-970067	0.076	Si
18	7.6	5.4	7.6	5.4						-159	SLU 35	-63	-970067	0.076	Si
19	7.6	5.4	7.6	5.4						-117	SLU 35	-54	-970067	0.076	Si
20	0	0	0	0						-81	SLU 35	-44	0	0	Si
21	0	0	0	0						-52	SLU 35	-34	0	0	Si
22	0	0	0	0						-13	SLU 35	-13	0	0	Si
23	0	0	0	0	-8	SLU 2	0	0	0	-10	SLU 35	-10	0	0	Si
24	0	0	0	0	0	SLU 20	0	0	0	0	SLU 17	-10	0	0	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	12.15	5.4						-2240	SLV 7	-128	-970924	0.078	Si
2	7.6	5.4	7.6	5.4						-1952	SLV 7	-127	-970067	0.076	Si
3	7.6	5.4	7.6	5.4						-1683	SLV 7	-125	-970067	0.076	Si
5	7.6	5.4	7.6	5.4						-1434	SLV 7	-122	-970067	0.076	Si
6	7.6	5.4	7.6	5.4						-1205	SLV 7	-118	-970067	0.076	Si
7	7.6	5.4	7.6	5.4						-1098	SLV 7	-116	-970067	0.076	Si
9	7.6	5.4	7.6	5.4						-899	SLV 7	-110	-970067	0.076	Si
10	7.6	5.4	7.6	5.4						-719	SLV 7	-102	-970067	0.076	Si
12	7.6	5.4	7.6	5.4						-560	SLV 7	-94	-970067	0.076	Si
14	7.6	5.4	7.6	5.4						-421	SLV 7	-84	-970067	0.076	Si
15	7.6	5.4	7.6	5.4						-301	SLV 7	-74	-970067	0.076	Si
17	7.6	5.4	7.6	5.4						-202	SLV 7	-62	-970067	0.076	Si
18	7.6	5.4	7.6	5.4						-122	SLV 7	-48	-970067	0.076	Si
19	7.6	5.4	7.6	5.4						-90	SLV 7	-41	-970067	0.076	Si
20	0	0	0	0						-62	SLV 7	-34	0	0	Si
21	0	0	0	0						-40	SLV 7	-26	0	0	Si
22	0	0	0	0						-10	SLV 11	-10	0	0	Si
23	0	0	0	0	-8	SLV 5	0	0	0	-8	SLV 11	-8	0	0	Si
24	0	0	0	0	0	SLV 5	0	0	0	0	SLV 11	-8	0	0	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	12.15	5.4						-2240	SLD 7	-128	-970924	0.078	Si
2	7.6	5.4	7.6	5.4						-1952	SLD 7	-127	-970067	0.076	Si
3	7.6	5.4	7.6	5.4						-1683	SLD 7	-125	-970067	0.076	Si
5	7.6	5.4	7.6	5.4						-1434	SLD 7	-122	-970067	0.076	Si
6	7.6	5.4	7.6	5.4						-1205	SLD 7	-118	-970067	0.076	Si
7	7.6	5.4	7.6	5.4						-1098	SLD 7	-116	-970067	0.076	Si
9	7.6	5.4	7.6	5.4						-899	SLD 7	-110	-970067	0.076	Si
10	7.6	5.4	7.6	5.4						-719	SLD 7	-102	-970067	0.076	Si
12	7.6	5.4	7.6	5.4						-560	SLD 7	-94	-970067	0.076	Si
14	7.6	5.4	7.6	5.4						-421	SLD 7	-84	-970067	0.076	Si
15	7.6	5.4	7.6	5.4						-301	SLD 7	-74	-970067	0.076	Si
17	7.6	5.4	7.6	5.4						-202	SLD 7	-62	-970067	0.076	Si
18	7.6	5.4	7.6	5.4						-122	SLD 5	-48	-970067	0.076	Si
19	7.6	5.4	7.6	5.4						-90	SLD 9	-41	-970067	0.076	Si
20	0	0	0	0						-62	SLD 9	-34	0	0	Si
21	0	0	0	0						-40	SLD 9	-26	0	0	Si
22	0	0	0	0						-10	SLD 9	-10	0	0	Si
23	0	0	0	0	-8	SLD 7	0	0	0	-8	SLD 9	-8	0	0	Si
24	0	0	0	0	0	SLD 7	0	0	0	0	SLD 9	-8	0	0	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	0	0	244	SLU 29	244	8999	76908	0	8999	1	Si
2	0	0	0	228	SLU 29	228	8999	76908	0	8999	1	Si
3	0	0	0	212	SLU 29	212	8999	76908	0	8999	1	Si
5	0	0	0	195	SLU 29	195	8999	76908	0	8999	1	Si
6	0	0	0	179	SLU 29	179	8999	76908	0	8999	1	Si
7	0	0	0	171	SLU 29	171	8999	76908	0	8999	1	Si
9	0	0	0	155	SLU 29	155	8999	76908	0	8999	1	Si
10	0	0	0	138	SLU 29	138	8999	76908	0	8999	1	Si
12	0	0	0	122	SLU 29	122	8999	76908	0	8999	1	Si
14	0	0	0	106	SLU 29	106	8999	76908	0	8999	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
15	0	0	0	90	SLU 29	90	8999	76908	0	8999	1	Si
17	0	0	0	73	SLU 29	73	8999	76908	0	8999	1	Si
18	0	0	0	57	SLU 29	57	8999	76908	0	8999	1	Si
19	0	0	0	49	SLU 29	49	8999	76908	0	8999	1	Si
21	0	0	0	33	SLU 29	33	9547	83337	0	9547	1	Si
22	0	0	0	16	SLU 29	16	9547	83337	0	9547	1	Si
23	0.743	0	0	14	SLU 29	14	9547	83337	93430	83337	1	Si
24	0.743	0	0	0	Ger.	0	9547	83337	93430	83337	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	0	0	188	SLV 7	188	8999	76908	0	8999	1	Si
2	0	0	0	175	SLV 7	175	8999	76908	0	8999	1	Si
3	0	0	0	163	SLV 7	163	8999	76908	0	8999	1	Si
5	0	0	0	150	SLV 7	150	8999	76908	0	8999	1	Si
6	0	0	0	138	SLV 7	138	8999	76908	0	8999	1	Si
7	0	0	0	131	SLV 7	131	8999	76908	0	8999	1	Si
9	0	0	0	119	SLV 7	119	8999	76908	0	8999	1	Si
10	0	0	0	106	SLV 7	106	8999	76908	0	8999	1	Si
12	0	0	0	94	SLV 7	94	8999	76908	0	8999	1	Si
14	0	0	0	81	SLV 7	81	8999	76908	0	8999	1	Si
15	0	0	0	69	SLV 7	69	8999	76908	0	8999	1	Si
17	0	0	0	56	SLV 7	56	8999	76908	0	8999	1	Si
18	0	0	0	44	SLV 7	44	8999	76908	0	8999	1	Si
19	0	0	0	38	SLV 7	38	8999	76908	0	8999	1	Si
21	0	0	0	25	SLV 7	25	9547	83337	0	9547	1	Si
22	0	0	0	13	SLV 7	13	9547	83337	0	9547	1	Si
23	0.743	0	0	11	SLV 7	11	9547	83337	93430	83337	1	Si
24	0.743	0	0	0	Ger.	0	9547	83337	93430	83337	1	Si
24	0.743	0	0	0	Ger.	0	-9547	-83337	-93430	-83337	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	0	0	188	SLD 7	188	8999	76908	0	8999	1	Si
2	0	0	0	175	SLD 7	175	8999	76908	0	8999	1	Si
3	0	0	0	163	SLD 7	163	8999	76908	0	8999	1	Si
5	0	0	0	150	SLD 7	150	8999	76908	0	8999	1	Si
6	0	0	0	138	SLD 7	138	8999	76908	0	8999	1	Si
7	0	0	0	131	SLD 7	131	8999	76908	0	8999	1	Si
9	0	0	0	119	SLD 7	119	8999	76908	0	8999	1	Si
10	0	0	0	106	SLD 7	106	8999	76908	0	8999	1	Si
12	0	0	0	94	SLD 7	94	8999	76908	0	8999	1	Si
14	0	0	0	81	SLD 7	81	8999	76908	0	8999	1	Si
15	0	0	0	69	SLD 7	69	8999	76908	0	8999	1	Si
17	0	0	0	56	SLD 7	56	8999	76908	0	8999	1	Si
18	0	0	0	44	SLD 7	44	8999	76908	0	8999	1	Si
19	0	0	0	38	SLD 7	38	8999	76908	0	8999	1	Si
21	0	0	0	25	SLD 7	25	9547	83337	0	9547	1	Si
22	0	0	0	13	SLD 7	13	9547	83337	0	9547	1	Si
23	0.743	0	0	11	SLD 7	11	9547	83337	93430	83337	1	Si
24	0.743	0	0	0	Ger.	0	9547	83337	93430	83337	1	Si
24	0.743	0	0	0	Ger.	0	-9547	-83337	-93430	-83337	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-2240	3	-128	0	124.5	0	1837	-2240	2	-128	0	93.4	0	+∞	Si
2	-1952	9	-127	0	124.5	0	1837	-1952	2	-127	0	93.4	0	+∞	Si
3	-1683	9	-125	0	124.5	0	1837	-1683	2	-125	0	93.4	0	+∞	Si
5	-1434	9	-122	0	124.5	0	1837	-1434	2	-122	0	93.4	0	+∞	Si
6	-1205	9	-118	0	124.5	0	1837	-1205	2	-118	0	93.4	0	+∞	Si
7	-1098	9	-116	0	124.5	0	1837	-1098	2	-116	0	93.4	0	+∞	Si
9	-899	9	-110	0	124.5	0	1837	-899	2	-110	0	93.4	0	+∞	Si
10	-719	9	-102	0	124.5	0	1837	-719	2	-102	0	93.4	0	+∞	Si
12	-560	9	-94	0	124.5	0	1837	-560	2	-94	0	93.4	0	+∞	Si
14	-421	9	-84	0	124.5	0	1837	-421	2	-84	0	93.4	0	+∞	Si
15	-301	9	-74	0	124.5	0	1837	-301	2	-74	0	93.4	0	+∞	Si
17	-202	8	-62	0	124.5	0	1837	-202	1	-62	0	93.4	0	+∞	Si
18	-122	8	-48	0	124.5	0	1837	-122	1	-48	0	93.4	0	+∞	Si
19	-90	8	-41	0	124.5	0	1837	-90	1	-41	0	93.4	0	+∞	Si
21	-40	8	-26	0	0	0	1837	-40	1	-26	0	0	0	+∞	Si
22	-10	8	-10	0	0	0	1837	-10	1	-10	0	0	0	+∞	Si
23	-8	8	-8	0	0	0	1837	-8	1	-8	0	0	0	+∞	Si
24	0	2	0	0	0	0	1837	0	2	0	0	0	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
2	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
3	0	-0.001	0	0	0	-0.001	0	0	0	-0.001	-0.001	1	-0.001	1	9999	Si
5	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
6	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	0	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
7	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
9	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	1	-0.002	1	9999	Si
10	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.002	1	-0.002	1	9999	Si
12	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.002	1	-0.002	1	9999	Si
14	-0.002	-0.003	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.002	1	-0.003	1	9999	Si
15	-0.002	-0.003	-0.001	-0.001	-0.002	-0.003	-0.001	-0.001	-0.002	-0.003	-0.002	1	-0.003	1	9999	Si
17	-0.002	-0.003	-0.001	-0.001	-0.002	-0.003	-0.001	-0.001	-0.002	-0.003	-0.003	1	-0.003	1	9999	Si
18	-0.003	-0.004	-0.001	-0.001	-0.003	-0.003	-0.001	-0.001	-0.003	-0.003	-0.003	1	-0.003	1	9999	Si
19	-0.003	-0.004	-0.001	-0.002	-0.003	-0.003	-0.001	-0.001	-0.003	-0.003	-0.003	1	-0.004	1	9999	Si
21	-0.003	-0.004	-0.001	-0.002	-0.003	-0.004	-0.001	-0.002	-0.003	-0.004	-0.003	1	-0.004	1	9999	Si
22	-0.003	-0.004	-0.001	-0.002	-0.003	-0.004	-0.001	-0.002	-0.003	-0.004	-0.004	1	-0.004	1	9999	Si
23	-0.003	-0.004	-0.001	-0.002	-0.003	-0.004	-0.001	-0.002	-0.003	-0.004	-0.004	1	-0.004	1	9999	Si
24	-0.003	-0.005	-0.002	-0.002	-0.003	-0.004	-0.002	-0.002	-0.003	-0.004	-0.004	1	-0.004	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	11	0	83337	SLV 7	0.57	2474	1.666	-8	0	0	SLV 1	0	0	0	Si
24	0	0	83337	SLV 7	0.57	2474	1.666	0	0	0	SLV 1	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	11	0	83337	SLD 7	0.6	2474	4.193	-8	0	0	SLD 1	0	0	0	Si
24	0	0	83337	SLD 7	0.6	2474	4.193	0	0	0	SLD 1	0.6	2474	4.193	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" 76-4A

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 76 - 73, sezione R 45x70, asta 969

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	5.4	227980	SLU 19	227980	2772667	0.095						Si
23	22.81	5.4	22.81	5.4	255251	SLU 19	255251	2772667	0.095						Si
28	22.81	5.4	22.81	5.4	259792	SLU 19	285284	2772667	0.095						Si
46	22.81	5.4	22.81	5.4	277107	SLU 19	296813	2772667	0.095						Si
69	22.81	5.4	22.81	5.4	293547	SLU 19	306409	2772667	0.095						Si
92	22.59	5.4	22.81	5.4	304571	SLU 19	311212	2772660	0.095						Si
104	20.42	5.4	22.81	5.4	308052	SLU 19	314925	2772824	0.096						Si
127	16.09	5.4	20.49	5.4	313137	SLU 21	320271	2499176	0.096						Si
150	7.6	5.4	11.4	5.4	319088	SLU 27	325380	1422093	0.084						Si
161	7.6	5.4	11.4	5.4	322134	SLU 36	325965	1422093	0.084						Si
173	7.6	5.4	11.4	5.4	324727	SLU 36	325965	1422093	0.084						Si
196	7.6	5.4	11.4	5.4	325850	SLU 36	325965	1422093	0.084						Si
219	7.6	5.4	11.4	5.4	321557	SLU 36	325911	1422093	0.084						Si
242	7.6	5.4	11.4	5.4	311848	SLU 36	323047	1422093	0.084						Si
265	13.97	5.4	15.92	5.4	296724	SLU 36	314768	1957002	0.09						Si
276	15.59	5.4	17.46	5.4	287131	SLU 36	308597	2140382	0.092						Si
299	18.84	5.4	19.01	5.4	263884	SLU 36	292195	2322845	0.092						Si
323	19.01	5.4	19.01	5.4	234509	SLU 36	269842	2322809	0.092						Si
345	19.01	5.4	19.01	5.4	201142	SLU 36	201142	2322809	0.092						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	5.4	2932463	SLV 7	2747844	2772667	0.095	-2645962	SLV 9	-2427685	-2772667	0.095	Si
23	22.81	5.4	22.81	5.4	2635160	SLV 7	2627963	2772667	0.095	-2296108	SLV 9	-2288251	-2772667	0.095	Si
28	22.81	5.4	22.81	5.4	2576464	SLV 7	2576464	2772667	0.095	-2228353	SLV 9	-2228353	-2772667	0.095	Si
46	22.81	5.4	22.81	5.4	2334286	SLV 7	2576464	2772667	0.095	-1951015	SLV 9	-2228353	-2772667	0.095	Si
69	22.81	5.4	22.81	5.4	2030036	SLV 7	2413920	2772667	0.095	-1610878	SLV 9	-2041770	-2772667	0.095	Si
92	22.59	5.4	22.81	5.4	1722659	SLV 7	2110547	2772660	0.095	-1275944	SLV 9	-1700310	-2746951	0.095	Si
104	20.42	5.4	22.81	5.4	1567888	SLV 7	1957645	2772824	0.096	-1110520	SLV 9	-1531489	-2490291	0.092	Si
127	16.09	5.4	20.49	5.4	1256400	SLV 7	1649580	2499176	0.096	-783974	SLV 9	-1197835	-1976884	0.088	Si
150	7.6	5.4	11.4	5.4	942726	SLV 7	1338769	1422093	0.084	-463573	SLV 9	-869767	-970824	0.078	Si
173	7.6	5.4	11.4	5.4	628398	SLV 7	1025629	1422093	0.084	-150850	SLV 9	-547702	-970824	0.078	Si
196	7.6	5.4	11.4	5.4	410086	SLV 3	711271	1422093	0.084	57524	SLV 13	-232750	-970824	0.078	Si
219	7.6	5.4	11.4	5.4	579340	SLV 5	965310	1422093	0.084	-129999	SLV 11	-551238	-970824	0.078	Si
242	7.6	5.4	11.4	5.4	884763	SLV 5	1269133	1422093	0.084	-462022	SLV 11	-892192	-970824	0.078	Si
253	12.34	5.4	11.4	5.4	1037363	SLV 5	1419887	1422094	0.084	-631047	SLV 11	-1064636	-1533126	0.085	Si
265	13.97	5.4	15.92	5.4	1189327	SLV 5	1569779	1957002	0.09	-801518	SLV 11	-1238301	-1725799	0.087	Si
276	15.59	5.4	17.46	5.4	1340524	SLV 5	1718772	2140382	0.092	-973305	SLV 11	-1413150	-1918424	0.088	Si
299	18.84	5.4	19.01	5.4	1640358	SLV 5	1942921	2322845	0.092	-1320569	SLV 11	-1680242	-2303566	0.092	Si
323	19.01	5.4	19.01	5.4	1942921	SLV 5	1942921	2322809	0.092	-1680242	SLV 11	-1680242	-2322809	0.092	Si
345	19.01	5.4	19.01	5.4	2228923	SLV 5	2087622	2322809	0.092	-2028989	SLV 11	-1854344	-2322809	0.092	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	5.4	1377496	SLD 7	1305187	2772667	0.095	-1090996	SLD 9	-985027	-2772667	0.095	Si
23	22.81	5.4	22.81	5.4	1260584	SLD 7	1257584	2772667	0.095	-921532	SLD 9	-917873	-2772667	0.095	Si
28	22.81	5.4	22.81	5.4	1237135	SLD 7	1237135	2772667	0.095	-889024	SLD 9	-889024	-2772667	0.095	Si
46	22.81	5.4	22.81	5.4	1139769	SLD 7	1237135	2772667	0.095	-756498	SLD 9	-889024	-2772667	0.095	Si
69	22.81	5.4	22.81	5.4	1015136	SLD 7	1171908	2772667	0.095	-595978	SLD 9	-799758	-2772667	0.095	Si
92	22.59	5.4	22.81	5.4	886796	SLD 7	1048277	2772660	0.095	-440082	SLD 9	-638040	-2746951	0.095	Si
104	20.42	5.4	22.81	5.4	821276	SLD 7	985052	2772824	0.096	-363908	SLD 9	-558896	-2490291	0.092	Si
127	16.09	5.4	20.49	5.4	687630	SLD 7	855859	2499176	0.096	-215203	SLD 9	-404114	-1976884	0.088	Si
150	7.6	5.4	11.4	5.4	550690	SLD 7	723126	1422093	0.084	-71537	SLD 9	-254124	-970824	0.078	Si
173	7.6	5.4	11.4	5.4	411125	SLD 7	587037	1422093	0.084	66422	SLD 9	-109110	-970824	0.078	Si
196	7.6	5.4	11.4	5.4	311739	SLD 3	448076	1422093	0.084						Si
219	7.6	5.4	11.4	5.4	381597	SLD 5	542585	1422093	0.084	67744	SLD 11	-128513	-970824	0.078	Si
242	7.6	5.4	11.4	5.4	509357	SLD 5	666685	1422093	0.084	-86615	SLD 11	-289745	-970824	0.078	Si
253	12.34	5.4	11.4	5.4	572310	SLD 5	727351	1422094	0.084	-165993	SLD 11	-372101	-1533126	0.085	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
265	13.97	5.4	15.92	5.4	634399	SLD 5	787055	1957002	0.09	-246590	SLD 11	-455577	-1725799	0.087	Si
276	15.59	5.4	17.46	5.4	695568	SLD 5	845780	2140382	0.092	-328349	SLD 11	-540157	-1918424	0.088	Si
299	18.84	5.4	19.01	5.4	815029	SLD 5	932999	2322845	0.092	-495240	SLD 11	-670320	-2303566	0.092	Si
323	19.01	5.4	19.01	5.4	932999	SLD 5	932999	2322809	0.092	-670320	SLD 11	-670320	-2322809	0.092	Si
345	19.01	5.4	19.01	5.4	1042069	SLD 5	988835	2322809	0.092	-842135	SLD 11	-755557	-2322809	0.092	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	1933	SLU 36	1933	13761	76908	0	13761	1	Si
23	0	22.81	0	1697	SLU 36	1697	13761	76908	0	13761	1	Si
28	0.172	22.81	0	1651	SLU 36	1651	13761	76908	20007	20007	1	Si
46	0.172	22.81	0	1462	SLU 36	1462	13761	76908	20007	20007	1	Si
69	0.172	18.17	0	1226	SLU 36	1226	12757	76908	20007	20007	1	Si
92	0.172	11.4	0	991	SLU 36	991	10922	76908	20007	20007	1	Si
104	0.162	11.4	0	883	SLU 18	883	10922	76908	18824	18824	1	Si
127	0.162	11.4	0	702	SLU 18	702	10922	76908	18824	18824	1	Si
150	0.162	11.4	0	521	SLU 18	521	10922	76908	18824	18824	1	Si
150	0.162	11.4	0	-227	SLU 19	-227	-10922	-76908	-18824	-18824	1	Si
173	0.162	11.4	0	340	SLU 18	340	10922	76908	18824	18824	1	Si
173	0.162	11.4	0	-463	SLU 19	-463	-10922	-76908	-18824	-18824	1	Si
196	0.162	15.92	0	159	SLU 18	159	12205	76908	18824	18824	1	Si
196	0.162	15.92	0	-698	SLU 19	-698	-12205	-76908	-18824	-18824	1	Si
219	0.162	11.4	0	-933	SLU 19	-933	-10922	-76908	-18824	-18824	1	Si
242	0.162	11.4	0	-1169	SLU 19	-1169	-10922	-76908	-18824	-18824	1	Si
265	0.172	11.4	0	-1404	SLU 19	-1404	-10922	-76908	-20007	-20007	1	Si
276	0.172	11.4	0	-1522	SLU 19	-1522	-10922	-76908	-20007	-20007	1	Si
299	0.172	11.4	0	-1758	SLU 19	-1758	-10922	-76908	-20007	-20007	1	Si
323	0.172	11.4	0	-1998	SLU 19	-1998	-10922	-76908	-20007	-20007	1	Si
345	0	17.46	0	-2228	SLU 19	-2228	-12589	-76908	0	-12589	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	15402	SLV 5	19086	13761	76908	0	13761	1	Si
0	0	22.81	0	-12936	SLV 11	-16620	-13761	-76908	0	-13761	1	Si
23	0	22.59	0	15221	SLV 5	18905	13717	76908	0	13717	1	Si
23	0	22.81	0	-13117	SLV 11	-16801	-13761	-76908	0	-13761	1	Si
28	0.172	22.59	0	15185	SLV 5	18869	13717	76908	20007	20007	1	Si
28	0.172	22.81	0	-13153	SLV 11	-16837	-13761	-76908	-20007	-20007	1	Si
46	0.172	18.25	0	15040	SLV 5	18724	12776	76908	20007	20007	1	Si
46	0.172	22.81	0	-13298	SLV 11	-16982	-13761	-76908	-20007	-20007	1	Si
69	0.172	13.92	0	14859	SLV 5	18543	11672	76908	20007	20007	1	Si
69	0.172	18.17	0	-13479	SLV 11	-17163	-12757	-76908	-20007	-20007	1	Si
92	0.172	7.6	0	14677	SLV 5	18361	9541	76908	20007	20007	1	Si
92	0.172	11.4	0	-13661	SLV 11	-17344	-10922	-76908	-20007	-20007	1	Si
104	0.162	7.6	0	14587	SLV 5	18271	9541	76908	18824	18824	1	Si
104	0.162	11.4	0	-13751	SLV 11	-17435	-10922	-76908	-18824	-18824	1	Si
127	0.162	7.6	0	14406	SLV 5	18090	9541	76908	18824	18824	1	Si
127	0.162	11.4	0	-13932	SLV 11	-17616	-10922	-76908	-18824	-18824	1	Si
150	0.162	7.6	0	14225	SLV 5	17909	9541	76908	18824	18824	1	Si
150	0.162	11.4	0	-14113	SLV 11	-17797	-10922	-76908	-18824	-18824	1	Si
173	0.162	7.6	0	14044	SLV 5	17727	9541	76908	18824	18824	1	Si
173	0.162	11.4	0	-14294	SLV 11	-17978	-10922	-76908	-18824	-18824	1	Si
196	0.162	15.92	0	13862	SLV 5	17546	12205	76908	18824	18824	1	Si
196	0.162	15.92	0	-14476	SLV 11	-18160	-12205	-76908	-18824	-18824	1	Si
219	0.162	11.4	0	13681	SLV 5	17365	10922	76908	18824	18824	1	Si
219	0.162	7.6	0	-14657	SLV 11	-18341	-9541	-76908	-18824	-18824	1	Si
242	0.162	11.4	0	13500	SLV 5	17184	10922	76908	18824	18824	1	Si
242	0.162	7.6	0	-14838	SLV 11	-18522	-9541	-76908	-18824	-18824	1	Si
265	0.172	11.4	0	13319	SLV 5	17003	10922	76908	20007	20007	1	Si
265	0.172	7.6	0	-15019	SLV 11	-18703	-9541	-76908	-20007	-20007	1	Si
276	0.172	11.4	0	13228	SLV 5	16912	10922	76908	20007	20007	1	Si
276	0.172	7.6	0	-15110	SLV 11	-18793	-9541	-76908	-20007	-20007	1	Si
299	0.172	11.4	0	13047	SLV 5	16731	10922	76908	20007	20007	1	Si
299	0.172	7.6	0	-15291	SLV 11	-18975	-9541	-76908	-20007	-20007	1	Si
323	0.172	11.4	0	12862	SLV 5	16546	10922	76908	20007	20007	1	Si
323	0.172	12.34	0	-15476	SLV 11	-19160	-11213	-76908	-20007	-20007	1	Si
334	0	15.92	0	12776	SLV 5	16460	12205	76908	0	12205	1	Si
334	0	13.97	0	-15562	SLV 11	-19246	-11685	-76908	0	-11685	1	Si
345	0	17.46	0	12685	SLV 5	16369	12589	76908	0	12589	1	Si
345	0	15.59	0	-15653	SLV 11	-19337	-12122	-76908	0	-12122	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	7503	SLD 5	7503	13761	76908	0	13761	1	Si
0	0	22.81	0	-5037	SLD 11	-5037	-13761	-76908	0	-13761	1	Si
23	0	22.59	0	7322	SLD 5	7322	13717	76908	0	13717	1	Si
23	0	22.81	0	-5218	SLD 11	-5218	-13761	-76908	0	-13761	1	Si
28	0.172	22.59	0	7286	SLD 5	7286	13717	76908	20007	20007	1	Si
28	0.172	22.81	0	-5254	SLD 11	-5254	-13761	-76908	-20007	-20007	1	Si
46	0.172	18.25	0	7141	SLD 5	7141	12776	76908	20007	20007	1	Si
46	0.172	22.81	0	-5399	SLD 11	-5399	-13761	-76908	-20007	-20007	1	Si
69	0.172	13.92	0	6960	SLD 5	6960	11672	76908	20007	20007	1	Si
69	0.172	18.17	0	-5580	SLD 11	-5580	-12757	-76908	-20007	-20007	1	Si
92	0.172	7.6	0	6778	SLD 5	6778	9541	76908	20007	20007	1	Si
92	0.172	11.4	0	-5761	SLD 11	-5761	-10922	-76908	-20007	-20007	1	Si
104	0.162	7.6	0	6688	SLD 5	6688	9541	76908	18824	18824	1	Si
104	0.162	11.4	0	-5852	SLD 11	-5852	-10922	-76908	-18824	-18824	1	Si
127	0.162	7.6	0	6507	SLD 5	6507	9541	76908	18824	18824	1	Si
127	0.162	11.4	0	-6033	SLD 11	-6033	-10922	-76908	-18824	-18824	1	Si
150	0.162	7.6	0	6326	SLD 5	6326	9541	76908	18824	18824	1	Si
150	0.162	11.4	0	-6214	SLD 11	-6214	-10922	-76908	-18824	-18824	1	Si
173	0.162	11.4	0	6144	SLD 5	6144	10922	76908	18824	18824	1	Si
173	0.162	11.4	0	-6395	SLD 11	-6395	-10922	-76908	-18824	-18824	1	Si
196	0.162	15.92	0	5963	SLD 5	5963	12205	76908	18824	18824	1	Si
196	0.162	15.92	0	-6577	SLD 11	-6577	-12205	-76908	-18824	-18824	1	Si
219	0.162	11.4	0	5782	SLD 5	5782	10922	76908	18824	18824	1	Si
219	0.162	11.4	0	-6758	SLD 11	-6758	-10922	-76908	-18824	-18824	1	Si
242	0.162	11.4	0	5601	SLD 5	5601	10922	76908	18824	18824	1	Si
242	0.162	7.6	0	-6939	SLD 11	-6939	-9541	-76908	-18824	-18824	1	Si
265	0.172	11.4	0	5420	SLD 5	5420	10922	76908	20007	20007	1	Si
265	0.172	7.6	0	-7120	SLD 11	-7120	-9541	-76908	-20007	-20007	1	Si
276	0.172	11.4	0	5329	SLD 5	5329	10922	76908	20007	20007	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
276	0.172	7.6	0	-7210	SLD 11	-7210	-9541	-76908	-20007	-20007	1	Si
299	0.172	11.4	0	5148	SLD 5	5148	10922	76908	20007	20007	1	Si
299	0.172	7.6	0	-7392	SLD 11	-7392	-9541	-76908	-20007	-20007	1	Si
323	0.172	11.4	0	4963	SLD 5	4963	10922	76908	20007	20007	1	Si
323	0.172	12.34	0	-7577	SLD 11	-7577	-11213	-76908	-20007	-20007	1	Si
334	0	15.92	0	4877	SLD 5	4877	12205	76908	0	12205	1	Si
334	0	13.97	0	-7663	SLD 11	-7663	-11685	-76908	0	-11685	1	Si
345	0	17.46	0	4786	SLD 5	4786	12589	76908	0	12589	1	Si
345	0	15.59	0	-7754	SLD 11	-7754	-12122	-76908	0	-12122	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	154113	1	154113	3.7	124.5	116.1	1837	154113	1	154113	3.7	93.4	0	+∞	Si
23	178285	1	178285	4.2	124.5	134.3	1837	178285	1	178285	4.2	93.4	0	+∞	Si
28	182403	1	206049	4.9	124.5	155.2	1837	182403	1	206049	4.9	93.4	0	+∞	Si
46	198291	1	217487	5.2	124.5	163.8	1837	198291	1	217487	5.2	93.4	0	+∞	Si
69	214132	1	228062	5.4	124.5	171.8	1837	214132	1	228062	5.4	93.4	0	+∞	Si
92	225806	1	234887	5.6	124.5	177	1837	225806	1	234682	5.6	93.4	0	+∞	Si
104	230081	1	238966	5.8	124.5	180.4	1837	230081	1	237376	5.8	93.4	0	+∞	Si
127	236962	3	244896	6.5	124.5	205.7	1837	236213	2	239639	6.4	93.4	0	+∞	Si
150	243866	9	246730	9	124.5	367.4	1837	239576	2	239696	8.7	93.4	0	+∞	Si
173	246730	9	246730	9	124.5	367.4	1837	238774	2	239696	8.7	93.4	0	+∞	Si
196	245428	9	246730	9	124.5	367.4	1837	233805	2	239260	8.7	93.4	0	+∞	Si
219	239961	9	246047	8.9	124.5	366.3	1837	224671	2	235391	8.5	93.4	0	+∞	Si
242	230327	9	241678	8.8	124.5	359.8	1837	211371	2	227356	8.3	93.4	0	+∞	Si
265	216528	9	233144	6.9	124.5	250.3	1837	193905	2	215156	6.4	93.4	0	+∞	Si
276	208066	9	227315	6.4	124.5	222.8	1837	183609	2	207493	5.9	93.4	0	+∞	Si
299	188018	9	212532	5.6	124.5	191.5	1837	159894	2	189043	5	93.4	0	+∞	Si
323	163210	9	193125	5.1	124.5	174	1837	131340	2	165890	4.4	93.4	0	+∞	Si
345	135424	9	135424	3.6	124.5	122	1837	99967	2	99967	2.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
28	0.003	0.002	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
46	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
69	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.011	2	0.011	2	9999	Si
92	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.014	2	0.014	2	9999	Si
104	0.008	0.007	0.007	0.006	0.008	0.007	0.006	0.006	0.008	0.007	0.015	2	0.015	2	9999	Si
127	0.009	0.008	0.007	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.017	2	0.017	2	9999	Si
150	0.009	0.009	0.008	0.007	0.009	0.009	0.008	0.007	0.009	0.009	0.018	2	0.018	2	9999	Si
173	0.009	0.009	0.008	0.008	0.009	0.009	0.008	0.008	0.009	0.009	0.019	2	0.018	2	9999	Si
196	0.009	0.009	0.008	0.007	0.009	0.009	0.008	0.007	0.009	0.009	0.019	2	0.018	2	9999	Si
219	0.009	0.008	0.007	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.017	2	0.017	2	9999	Si
242	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.015	2	9999	Si
265	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
276	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.011	2	0.011	2	9999	Si
299	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
323	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	1016	17853	20007	SLV 5	0.39	827	1.063	174055	2402408	2772667	SLV 7	0.39	862	1.082	Si
46	871	17853	20007	SLV 5	0.39	843	1.072	174055	2402408	2772667	SLV 7	0.39	862	1.082	Si
69	690	17853	20007	SLV 5	0.39	862	1.082	186075	2227845	2772667	SLV 7	0.42	1028	1.163	Si
92	508	17853	20007	SLV 5	0.4	882	1.092	205119	1905428	2772660	SLV 7	0.48	1526	1.367	Si
104	418	17853	18824	SLV 5	0.37	766	1.03	213078	1744567	2772824	SLV 7	0.52	1917	1.501	Si
127	237	17853	18824	SLV 5	0.38	785	1.041	225872	-1423708	-1976884	SLV 9	0.55	2209	1.591	Si
150	56	17853	18824	SLV 5	0.38	804	1.051	234501	1104268	1422093	SLV 7	0.39	850	1.075	Si
173	-125	-17853	-18824	SLV 11	0.38	796	1.047	238964	786666	1422093	SLV 7	0.54	2048	1.542	Si
196	-307	-17853	-18824	SLV 11	0.38	778	1.037	239260	472010	1422093	SLV 7	0.57	2474	1.666	Si
219	-488	-17853	-18824	SLV 11	0.37	759	1.027	207036	-758274	-970824	SLV 11	0.55	2232	1.598	Si
242	-669	-17853	-18824	SLV 11	0.37	741	1.017	188470	-1080662	-970824	SLV 11	0.39	844	1.072	Si
265	-850	-17853	-20007	SLV 11	0.39	845	1.073	165739	1404040	1957002	SLV 5	0.46	1320	1.288	Si
276	-941	-17853	-20007	SLV 11	0.39	835	1.068	152811	1565961	2140382	SLV 5	0.46	1302	1.281	Si
299	-1122	-17853	-20007	SLV 11	0.38	816	1.057	131340	1811582	2322845	SLV 5	0.44	1147	1.216	Si
323	-1307	-17853	-20007	SLV 11	0.38	797	1.047	131340	1811582	2322809	SLV 5	0.44	1147	1.216	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	1016	6270	20007	SLD 5	0.41	941	2.821	174055	1063080	2772667	SLD 7	0.33	559	2.279	Si
46	871	6270	20007	SLD 5	0.41	959	2.843	174055	1063080	2772667	SLD 7	0.33	559	2.279	Si
69	690	6270	20007	SLD 5	0.41	982	2.871	186075	985833	2772667	SLD 7	0.35	664	2.445	Si
92	508	6270	20007	SLD 5	0.42	1007	2.9	205119	843158	2772660	SLD 7	0.41	954	2.837	Si
104	418	6270	18824	SLD 5	0.39	872	2.734	213078	771974	2772824	SLD 7	0.44	1197	3.113	Si
127	237	6270	18824	SLD 5	0.4	893	2.761	225872	-629987	-1976884	SLD 9	0.47	1377	3.298	Si
150	56	6270	18824	SLD 5	0.4	915	2.789	234501	488625	1422093	SLD 7	0.33	551	2.265	Si
173	-125	-6270	-18824	SLD 11	0.4	907	2.779	238964	348073	1422093	SLD 7	0.45	1278	3.198	Si
196	-307	-6270	-18824	SLD 11	0.4	885	2.751	239260	208816	1422093	SLD 7	0.6	2474	4.193	Si
219	-488	-6270	-18824	SLD 11	0.39	864	2.724	207036	-335549	-970824	SLD 11	0.47	1392	3.312	Si
242	-669	-6270	-18824	SLD 11	0.39	843	2.697	188470	-478215	-970824	SLD 11	0.33	548	2.26	Si
265	-850	-6270	-20007	SLD 11	0.41	962	2.847	165739	621316	1957002	SLD 5	0.39	834	2.685	Si
276	-941	-6270	-20007	SLD 11	0.41	950	2.832	152811	692969	2140382	SLD 5	0.39	824	2.671	Si
299	-1122	-6270	-20007	SLD 11	0.4	929	2.806	131340	801659	2322845	SLD 5	0.37	733	2.546	Si
323	-1307	-6270	-20007	SLD 11	0.4	907	2.779	131340	801659	2322809	SLD 5	0.37	733	2.546	Si

Campata 2 tra i fili 73 - 71, sezione R 45x70, asta 970

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	413940	SLU 30	372330	2322809	0.092						Si
19	19.01	5.4	19.01	5.4	341999	SLU 30	340888	2322809	0.092						Si
23	19.01	5.4	19.01	5.4	328237	SLU 30	328237	2322809	0.092						Si
38	19.01	5.4	18.49	5.4	266363	SLU 30	328237	2261260	0.092						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
57	17.28	5.4	15.93	5.4	187031	SLU 30	306885	1958285	0.089						Si
76	14.59	5.4	11.4	5.4	104003	SLU 30	229511	1422107	0.084	62013	SLU 1	-39928	-1800440	0.089	Si
85	13.25	5.4	11.4	5.4	61263	SLU 36	189439	1422094	0.084	32528	SLU 1	-80875	-1641103	0.087	Si
104	7.6	5.4	11.4	5.4	-18014	SLU 18	106522	1422093	0.084	-37474	SLU 19	-170161	-970824	0.078	Si
123	7.6	5.4	11.4	5.4	-90855	SLU 9	20254	1422093	0.084	-120451	SLU 28	-268082	-970824	0.078	Si
142	7.6	5.4	11.4	5.4						-215698	SLU 30	-369700	-970824	0.078	Si
161	7.6	5.4	11.4	5.4						-315356	SLU 30	-475013	-970824	0.078	Si
180	7.6	5.4	11.4	5.4						-418710	SLU 30	-584021	-970824	0.078	Si
190	7.6	5.4	11.4	5.4						-471774	SLU 30	-639912	-970824	0.078	Si
199	18.9	5.4	11.4	5.4						-525760	SLU 30	-696726	-2310488	0.097	Si
209	21.58	5.4	11.4	5.4						-580671	SLU 30	-754464	-2628495	0.102	Si
228	26.96	5.4	13.67	5.4						-693265	SLU 30	-872712	-3263417	0.11	Si
247	30.41	5.4	14.95	5.4						-809554	SLU 30	-907267	-3671247	0.115	Si
262	30.41	5.4	15.21	5.4						-907267	SLU 30	-907267	-3671293	0.114	Si
266	30.41	5.4	15.21	5.4						-929540	SLU 30	-927848	-3671293	0.114	Si
285	30.41	5.4	15.21	5.4						-1053220	SLU 30	-979002	-3671293	0.114	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	1310310	SLV 7	1210187	2322809	0.092	-721800	SLV 9	-681333	-2322809	0.092	Si
19	19.01	5.4	19.01	5.4	1139702	SLV 7	1137238	2322809	0.092	-654507	SLV 9	-653648	-2322809	0.092	Si
23	19.01	5.4	19.01	5.4	1107886	SLV 7	1107886	2322809	0.092	-642509	SLV 9	-642509	-2322809	0.092	Si
38	19.01	5.4	18.49	5.4	966289	SLV 7	1107886	2261260	0.092	-590095	SLV 9	-642509	-2322901	0.092	Si
57	17.28	5.4	15.93	5.4	790084	SLV 7	1058527	1958285	0.089	-528577	SLV 9	-623894	-2118471	0.091	Si
76	14.59	5.4	11.4	5.4	611103	SLV 7	883800	1422107	0.084	-469969	SLV 9	-560841	-1800440	0.089	Si
85	13.25	5.4	11.4	5.4	520581	SLV 7	795391	1422094	0.084	-441765	SLV 9	-530400	-1641103	0.087	Si
104	7.6	5.4	11.4	5.4	337501	SLV 7	616493	1422093	0.084	-387586	SLV 9	-471705	-970824	0.078	Si
123	7.6	5.4	11.4	5.4	151797	SLV 7	434849	1422093	0.084	-336469	SLV 9	-415949	-970824	0.078	Si
142	7.6	5.4	11.4	5.4	469	SLV 3	250517	1422093	0.084	-325414	SLV 13	-415179	-970824	0.078	Si
161	7.6	5.4	11.4	5.4	-104597	SLV 1	64848	1422093	0.084	-366306	SLV 15	-585413	-970824	0.078	Si
180	7.6	5.4	11.4	5.4						-486484	SLV 11	-774916	-970824	0.078	Si
190	7.6	5.4	11.4	5.4						-579760	SLV 11	-871090	-970824	0.078	Si
199	18.9	5.4	11.4	5.4						-673988	SLV 11	-968257	-2310488	0.097	Si
209	21.58	5.4	11.4	5.4						-769149	SLV 11	-1066460	-2628495	0.102	Si
228	26.96	5.4	13.67	5.4						-962369	SLV 11	-1266132	-3263417	0.11	Si
247	30.41	5.4	14.95	5.4						-1159721	SLV 11	-1324116	-3671247	0.115	Si
262	30.41	5.4	15.21	5.4						-1324116	SLV 11	-1324116	-3671293	0.114	Si
266	30.41	5.4	15.21	5.4						-1361491	SLV 11	-1357581	-3671293	0.114	Si
285	30.41	5.4	15.21	5.4	9474	SLV 9	9474	1872209	0.086	-1567697	SLV 7	-1440753	-3671293	0.114	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	743873	SLD 7	682939	2322809	0.092	-155363	SLD 9	-154085	-2322809	0.092	Si
19	19.01	5.4	19.01	5.4	639579	SLD 7	638041	2322809	0.092	-154384	SLD 9	-154384	-2322809	0.092	Si
23	19.01	5.4	19.01	5.4	619977	SLD 7	619977	2322809	0.092	-154599	SLD 9	-159451	-2322809	0.092	Si
38	19.01	5.4	18.49	5.4	532460	SLD 7	619977	2261260	0.092	-156266	SLD 9	-164712	-2322901	0.092	Si
57	17.28	5.4	15.93	5.4	422519	SLD 7	589565	1958285	0.089	-161012	SLD 9	-173859	-2118471	0.091	Si
76	14.59	5.4	11.4	5.4	309766	SLD 7	481119	1422107	0.084	-168632	SLD 9	-185902	-1800440	0.089	Si
85	13.25	5.4	11.4	5.4	252338	SLD 7	425839	1422094	0.084	-173522	SLD 9	-193022	-1641103	0.087	Si
104	7.6	5.4	11.4	5.4	135393	SLD 7	313170	1422093	0.084	-185478	SLD 9	-211817	-970824	0.078	Si
123	7.6	5.4	11.4	5.4	15701	SLD 7	197700	1422093	0.084	-200372	SLD 9	-261315	-970824	0.078	Si
142	7.6	5.4	11.4	5.4	-90372	SLD 3	79456	1422093	0.084	-234573	SLD 13	-337185	-970824	0.078	Si
161	7.6	5.4	11.4	5.4						-293338	SLD 15	-455617	-970824	0.078	Si
180	7.6	5.4	11.4	5.4						-388783	SLD 11	-584167	-970824	0.078	Si
190	7.6	5.4	11.4	5.4						-451788	SLD 11	-649666	-970824	0.078	Si
199	18.9	5.4	11.4	5.4						-515610	SLD 11	-715999	-2310488	0.097	Si
209	21.58	5.4	11.4	5.4						-580240	SLD 11	-783188	-2628495	0.102	Si
228	26.96	5.4	13.67	5.4						-711971	SLD 11	-920199	-3263417	0.11	Si
247	30.41	5.4	14.95	5.4						-847116	SLD 11	-960089	-3671247	0.115	Si
262	30.41	5.4	15.21	5.4						-960089	SLD 11	-960089	-3671293	0.114	Si
266	30.41	5.4	15.21	5.4						-985800	SLD 11	-983374	-3671293	0.114	Si
285	30.41	5.4	15.21	5.4						-1128033	SLD 7	-1041248	-3671293	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.65	0	-3689	SLU 30	-3689	-11873	-76908	0	-11873	1	Si
19	0	11.4	0	-3884	SLU 30	-3884	-10922	-76908	0	-10922	1	Si
23	0.101	11.4	0	-3919	SLU 30	-3919	-10922	-76908	-11671	-11671	1	Si
38	0.101	11.4	0	-4078	SLU 30	-4078	-10922	-76908	-11671	-11671	1	Si
57	0.101	11.4	0	-4273	SLU 30	-4273	-10922	-76908	-11671	-11671	1	Si
76	0.101	11.4	0	-4467	SLU 30	-4467	-10922	-76908	-11671	-11671	1	Si
85	0.101	11.4	0	-4564	SLU 30	-4564	-10922	-76908	-11671	-11671	1	Si
104	0.111	7.6	0	-4759	SLU 30	-4759	-9541	-76908	-12838	-12838	1	Si
123	0.111	7.6	0	-4953	SLU 30	-4953	-9541	-76908	-12838	-12838	1	Si
142	0.111	14.59	0	-5148	SLU 30	-5148	-11857	-76908	-12838	-12838	1	Si
161	0.111	7.6	0	-5342	SLU 30	-5342	-9541	-76908	-12838	-12838	1	Si
180	0.111	7.6	0	-5537	SLU 30	-5537	-9541	-76908	-12838	-12838	1	Si
199	0.115	7.6	0	-5731	SLU 30	-5731	-9541	-76908	-13338	-13338	1	Si
209	0.115	7.6	0	-5829	SLU 30	-5829	-9541	-76908	-13338	-13338	1	Si
228	0.115	7.6	0	-6023	SLU 30	-6023	-9541	-76908	-13338	-13338	1	Si
247	0.115	7.6	0	-6218	SLU 30	-6218	-9541	-76908	-13338	-13338	1	Si
262	0.115	18.9	0	-6376	SLU 30	-6376	-12924	-76908	-13338	-13338	1	Si
266	0	18.9	0	-6412	SLU 30	-6412	-12924	-76908	0	-12924	1	Si
285	0	24.27	0	-6607	SLU 30	-6607	-14049	-76908	0	-14049	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.94	0	3628	SLV 9	5259	12211	76908	0	12211	1	Si
0	0	14.65	0	-8916	SLV 7	-10547	-11873	-76908	0	-11873	1	Si
19	0	13.25	0	3479	SLV 9	5109	11482	76908	0	11482	1	Si
19	0	11.4	0	-9066	SLV 7	-10697	-10922	-76908	0	-10922	1	Si
23	0.101	13.25	0	3451	SLV 9	5082	11482	76908	11671	11671	1	Si
23	0.101	11.4	0	-9093	SLV 7	-10724	-10922	-76908	-11671	-11671	1	Si
38	0.101	7.6	0	3329	SLV 9	4960	9541	76908	11671	11671	1	Si
38	0.101	11.4	0	-9216	SLV 7	-10846	-10922	-76908	-11671	-11671	1	Si
57	0.101	7.6	0	3179	SLV 9	4810	9541	76908	11671	11671	1	Si
57	0.101	11.4	0	-9365	SLV 7	-10996	-10922	-76908	-11671	-11671	1	Si
76	0.101	7.6	0	3030	SLV 9	4661	9541	76908	11671	11671	1	Si
76	0.101	11.4	0	-9515	SLV 7	-11146	-10922	-76908	-11671	-11671	1	Si
85	0.101	7.6	0	2955	SLV 9	4586	9541	76908	11671	11671	1	Si
85	0.101	11.4	0	-9590	SLV 7	-11220	-10922	-76908	-11671	-11671	1	Si
104	0.111	7.6	0	2805	SLV 9	4436	9541	76908	12838	12838	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
104	0.111	11.4	0	-9739	SLV 7	-11370	-10922	-76908	-12838	-12838	1	Si
123	0.111	7.6	0	2656	SLV 9	4286	9541	76908	12838	12838	1	Si
123	0.111	11.4	0	-9889	SLV 7	-11520	-10922	-76908	-12838	-12838	1	Si
142	0.111	14.59	0	2506	SLV 9	4137	11857	76908	12838	12838	1	Si
142	0.111	14.59	0	-10038	SLV 7	-11669	-11857	-76908	-12838	-12838	1	Si
161	0.111	7.6	0	2356	SLV 9	3987	9541	76908	12838	12838	1	Si
161	0.111	7.6	0	-10188	SLV 7	-11819	-9541	-76908	-12838	-12838	1	Si
180	0.111	7.6	0	2207	SLV 9	3838	9541	76908	12838	12838	1	Si
180	0.111	7.6	0	-10338	SLV 7	-11968	-9541	-76908	-12838	-12838	1	Si
199	0.115	7.6	0	2057	SLV 9	3688	9541	76908	13338	13338	1	Si
199	0.115	7.6	0	-10487	SLV 7	-12118	-9541	-76908	-13338	-13338	1	Si
209	0.115	7.6	0	1982	SLV 9	3613	9541	76908	13338	13338	1	Si
209	0.115	7.6	0	-10562	SLV 7	-12193	-9541	-76908	-13338	-13338	1	Si
228	0.115	7.6	0	1833	SLV 9	3464	9541	76908	13338	13338	1	Si
228	0.115	7.6	0	-10712	SLV 7	-12343	-9541	-76908	-13338	-13338	1	Si
247	0.115	7.6	0	1683	SLV 9	3314	9541	76908	13338	13338	1	Si
247	0.115	7.6	0	-10861	SLV 7	-12492	-9541	-76908	-13338	-13338	1	Si
262	0.115	18.9	0	1561	SLV 9	3192	12924	76908	13338	13338	1	Si
262	0.115	18.9	0	-10983	SLV 7	-12614	-12924	-76908	-13338	-13338	1	Si
266	0	18.9	0	1533	SLV 9	3164	12924	76908	0	12924	1	Si
266	0	18.9	0	-11011	SLV 7	-12642	-12924	-76908	0	-12924	1	Si
285	0	13.03	0	1384	SLV 9	3015	11417	76908	0	11417	1	Si
285	0	24.27	0	-11161	SLV 7	-12791	-14049	-76908	0	-14049	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.94	0	131	SLD 9	131	12211	76908	0	12211	1	Si
0	0	14.65	0	-5419	SLD 7	-5419	-11873	-76908	0	-11873	1	Si
19	0	11.4	0	-5569	SLD 7	-5569	-10922	-76908	0	-10922	1	Si
23	0.101	11.4	0	-5597	SLD 7	-5597	-10922	-76908	-11671	-11671	1	Si
38	0.101	11.4	0	-5719	SLD 7	-5719	-10922	-76908	-11671	-11671	1	Si
57	0.101	11.4	0	-5868	SLD 7	-5868	-10922	-76908	-11671	-11671	1	Si
76	0.101	11.4	0	-6018	SLD 7	-6018	-10922	-76908	-11671	-11671	1	Si
85	0.101	11.4	0	-6093	SLD 7	-6093	-10922	-76908	-11671	-11671	1	Si
104	0.111	11.4	0	-6242	SLD 7	-6242	-10922	-76908	-12838	-12838	1	Si
123	0.111	11.4	0	-6392	SLD 7	-6392	-10922	-76908	-12838	-12838	1	Si
142	0.111	14.59	0	-6542	SLD 7	-6542	-11857	-76908	-12838	-12838	1	Si
161	0.111	7.6	0	-6691	SLD 7	-6691	-9541	-76908	-12838	-12838	1	Si
180	0.111	7.6	0	-6841	SLD 7	-6841	-9541	-76908	-12838	-12838	1	Si
199	0.115	7.6	0	-6991	SLD 7	-6991	-9541	-76908	-13338	-13338	1	Si
209	0.115	7.6	0	-7065	SLD 7	-7065	-9541	-76908	-13338	-13338	1	Si
228	0.115	7.6	0	-7215	SLD 7	-7215	-9541	-76908	-13338	-13338	1	Si
247	0.115	7.6	0	-7365	SLD 7	-7365	-9541	-76908	-13338	-13338	1	Si
262	0.115	18.9	0	-7487	SLD 7	-7487	-12924	-76908	-13338	-13338	1	Si
266	0	18.9	0	-7514	SLD 7	-7514	-12924	-76908	0	-12924	1	Si
285	0	24.27	0	-7664	SLD 7	-7664	-14049	-76908	0	-14049	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	311092	3	279751	7.4	124.5	252	1837	294255	2	264427	7	93.4	0	+∞	Si
19	256878	3	256039	6.7	124.5	230.6	1837	242597	2	241795	6.4	93.4	0	+∞	Si
23	246498	3	246498	6.5	124.5	222.1	1837	232689	2	232689	6.1	93.4	0	+∞	Si
38	199821	3	246498	6.6	124.5	228.1	1837	188097	2	232689	6.2	93.4	0	+∞	Si
57	139921	3	230395	6.6	124.5	246.5	1837	130754	2	217316	6.2	93.4	0	+∞	Si
76	77177	3	172002	5.7	124.5	254.8	1837	70567	2	161480	5.3	93.4	0	+∞	Si
85	44846	9	141739	4.8	124.5	210.1	1837	39408	2	132495	4.5	93.4	0	+∞	Si
104	-28300	1	-130311	2.9	124.5	45.2	1837	-28300	1	-129174	5.2	93.4	0	+∞	Si
123	-92595	1	-204511	4.6	124.5	70.9	1837	-92595	1	-200817	8.1	93.4	0	+∞	Si
142	-164811	3	-281554	6.3	124.5	97.6	1837	-162472	2	-275303	11	93.4	0	+∞	Si
161	-240347	3	-361439	8.1	124.5	125.3	1837	-235451	2	-352632	14.2	93.4	0	+∞	Si
180	-318726	3	-444168	10	124.5	154	1837	-311273	2	-432804	17.4	93.4	0	+∞	Si
199	-399948	3	-529739	15.3	124.5	483.5	1837	-389938	2	-515818	14.9	93.4	0	+∞	Si
209	-441624	3	-573591	15.9	124.5	460.9	1837	-430337	2	-558391	15.5	93.4	0	+∞	Si
228	-527111	3	-663427	16.7	124.5	429.9	1837	-513266	2	-645670	16.3	93.4	0	+∞	Si
247	-615440	3	-689686	16.5	124.5	397.7	1837	-599038	2	-671199	16.1	93.4	0	+∞	Si
262	-689686	3	-689686	16.5	124.5	397.6	1837	-671199	2	-671199	16	93.4	0	+∞	Si
266	-706611	3	-705327	16.8	124.5	406.6	1837	-687653	2	-686405	16.4	93.4	0	+∞	Si
285	-800626	3	-744200	17.8	124.5	429	1837	-779111	2	-724200	17.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
23	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
38	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
57	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
76	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si
85	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
104	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
123	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
142	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.01	1	-0.01	1	9999	Si
161	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
180	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.012	1	9999	Si
190	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.012	1	-0.012	1	9999	Si
199	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.012	1	-0.012	1	9999	Si
209	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
228	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	1	-0.01	1	9999	Si
247	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
262	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	1	-0.005	1	9999	Si
266	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-2821	-7903	-11671	SLV 7	0.41	938	1.12	232689	875197	2322809	SLV 7	0.57	2474	1.666	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
38	-2943	-7903	-11671	SLV 7	0.4	906	1.104	232689	875197	2261260	SLV 7	0.57	2474	1.666	Si
57	-3093	-7903	-11671	SLV 7	0.39	869	1.085	217316	841210	1958285	SLV 7	0.57	2474	1.666	Si
76	-3243	-7903	-11671	SLV 7	0.39	832	1.066	161480	722320	1422107	SLV 7	0.57	2474	1.666	Si
85	-3317	-7903	-11671	SLV 7	0.38	814	1.056	132495	662896	1422094	SLV 7	0.57	2474	1.666	Si
104	-3467	-7903	-12838	SLV 7	0.43	1087	1.189	72394	-544099	-970824	SLV 9	0.57	2474	1.666	Si
123	-3617	-7903	-12838	SLV 7	0.42	1042	1.169	9450	-425399	-970824	SLV 9	0.57	2474	1.666	Si
142	-3766	-7903	-12838	SLV 7	0.42	998	1.148	-56336	-306854	-970824	SLV 9	0.57	2474	1.666	Si
161	-3916	-7903	-12838	SLV 7	0.41	956	1.128	-352632	-232781	-970824	SLV 11	0.57	2474	1.666	Si
180	-4065	-7903	-12838	SLV 7	0.4	918	1.11	-432804	-342112	-970824	SLV 11	0.56	2307	1.619	Si
199	-4215	-7903	-13338	SLV 7	0.42	1013	1.156	-515818	-452439	-2310488	SLV 11	0.57	2474	1.666	Si
209	-4290	-7903	-13338	SLV 7	0.41	991	1.145	-558391	508068	1422107	SLV 5	0.57	2474	1.666	Si
228	-4440	-7903	-13338	SLV 7	0.41	950	1.126	-645670	620461	1690003	SLV 5	0.57	2474	1.666	Si
247	-4589	-7903	-13338	SLV 7	0.4	912	1.107	-671199	652918	1841445	SLV 5	0.57	2474	1.666	Si
262	-4711	-7903	-13338	SLV 7	0.4	881	1.091	-671199	652918	1872209	SLV 5	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-2821	-2775	-11671	SLD 7	0.43	1078	2.983	232689	387288	2322809	SLD 7	0.6	2474	4.193	Si
38	-2943	-2775	-11671	SLD 7	0.42	1039	2.938	232689	387288	2261260	SLD 7	0.6	2474	4.193	Si
57	-3093	-2775	-11671	SLD 7	0.41	991	2.881	217316	372249	1958285	SLD 7	0.6	2474	4.193	Si
76	-3243	-2775	-11671	SLD 7	0.41	948	2.83	161480	319639	1422107	SLD 7	0.52	1899	3.762	Si
85	-3317	-2775	-11671	SLD 7	0.4	927	2.804	132495	293344	1422094	SLD 7	0.58	2474	4.193	Si
104	-3467	-2775	-12838	SLD 7	0.45	1256	3.175	72394	-240776	-970824	SLD 9	0.57	2443	4.171	Si
123	-3617	-2775	-12838	SLD 7	0.44	1203	3.12	9450	-188250	-970824	SLD 9	0.6	2474	4.193	Si
142	-3766	-2775	-12838	SLD 7	0.44	1152	3.065	-56336	-135792	-970824	SLD 9	0.6	2474	4.193	Si
161	-3916	-2775	-12838	SLD 7	0.43	1102	3.01	-352632	-102985	-970824	SLD 11	0.6	2474	4.193	Si
180	-4065	-2775	-12838	SLD 7	0.42	1053	2.954	-432804	-151364	-970824	SLD 11	0.47	1438	3.357	Si
199	-4215	-2775	-13338	SLD 7	0.44	1169	3.083	-515818	-200181	-2310488	SLD 11	0.6	2474	4.193	Si
209	-4290	-2775	-13338	SLD 7	0.44	1144	3.056	-558391	224796	1422107	SLD 5	0.6	2474	4.193	Si
228	-4440	-2775	-13338	SLD 7	0.43	1095	3.002	-645670	274529	1690003	SLD 5	0.6	2474	4.193	Si
247	-4589	-2775	-13338	SLD 7	0.42	1045	2.945	-671199	288890	1841445	SLD 5	0.6	2474	4.193	Si
262	-4711	-2775	-13338	SLD 7	0.42	1006	2.899	-671199	288890	1872209	SLD 5	0.6	2474	4.193	Si

Campata 3 tra i fili 71 - 68, sezione R 45x70, asta 971

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-989374	SLU 36	-920413	-3671293	0.114	Si
21	30.41	5.4	15.21	5.4						-865709	SLU 36	-865248	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-853959	SLU 36	-853959	-3671293	0.114	Si
41	30.41	5.4	15.21	5.4						-746865	SLU 30	-853959	-3671293	0.114	Si
62	28.05	5.4	13.9	5.4						-632450	SLU 30	-796045	-3392250	0.112	Si
82	25.15	5.4	11.4	5.4						-522337	SLU 30	-679831	-3049648	0.11	Si
92	23.7	5.4	11.4	5.4						-468894	SLU 30	-623338	-2878594	0.107	Si
113	17.64	5.4	11.4	5.4						-365235	SLU 30	-513578	-2161099	0.094	Si
133	14.74	5.4	11.4	5.4						-265878	SLU 30	-408120	-1817491	0.089	Si
154	7.6	5.4	11.4	5.4						-177921	SLU 20	-306964	-970824	0.078	Si
174	7.6	5.4	11.4	5.4	-48944	SLU 18	54789	1422093	0.084	-98372	SLU 19	-213368	-970824	0.078	Si
195	9.95	5.4	11.4	5.4	24940	SLU 18	127798	1422093	0.084	-32412	SLU 19	-130026	-1250065	0.081	Si
215	10.92	5.4	11.4	5.4	95514	SLU 18	204490	1422094	0.084	29246	SLU 19	-59537	-1364754	0.083	Si
226	11.4	5.4	11.4	5.4	134318	SLU 36	241223	1422094	0.084	53703	SLU 1	-27271	-1422093	0.084	Si
246	15.33	5.4	17.13	5.4	210658	SLU 36	311462	2100523	0.091						Si
267	17.26	5.4	19.01	5.4	282696	SLU 36	343928	2322969	0.093						Si
285	19.01	5.4	19.01	5.4	343928	SLU 36	343928	2322809	0.092						Si
287	19.01	5.4	19.01	5.4	350431	SLU 36	350081	2322809	0.092						Si
308	19.01	5.4	19.01	5.4	413864	SLU 36	380150	2322809	0.092						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4	1846852	SLV 7	1729229	1872209	0.086	-3258733	SLV 9	-3043319	-3671293	0.114	Si
21	30.41	5.4	15.21	5.4	1630588	SLV 7	1629638	1872209	0.086	-2867345	SLV 9	-2865751	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4	1609258	SLV 7	1609258	1872209	0.086	-2829414	SLV 9	-2829414	-3671293	0.114	Si
41	30.41	5.4	15.21	5.4	1411183	SLV 7	1609258	1872209	0.086	-2479435	SLV 9	-2829414	-3671293	0.114	Si
62	28.05	5.4	13.9	5.4	1188795	SLV 7	1503228	1718217	0.085	-2095161	SLV 9	-2641231	-3392250	0.112	Si
82	25.15	5.4	11.4	5.4	963867	SLV 7	1282063	1422107	0.084	-1714965	SLV 9	-2255413	-3049648	0.11	Si
92	23.7	5.4	11.4	5.4	850872	SLV 7	1170406	1422107	0.084	-1526819	SLV 9	-2063911	-2878594	0.107	Si
113	17.64	5.4	11.4	5.4	627690	SLV 7	945347	1422107	0.084	-1158298	SLV 9	-1684128	-2161099	0.094	Si
133	14.74	5.4	11.4	5.4	422829	SLV 11	720128	1422107	0.084	-814716	SLV 5	-1310803	-1817491	0.089	Si
154	7.6	5.4	11.4	5.4	231102	SLV 11	497699	1422093	0.084	-490889	SLV 5	-946886	-970824	0.078	Si
174	7.6	5.4	11.4	5.4	178350	SLV 15	489533	1422093	0.084	-312654	SLV 1	-624977	-970824	0.078	Si
195	9.95	5.4	11.4	5.4	372210	SLV 13	845804	1422093	0.084	-387651	SLV 3	-704153	-1250065	0.081	Si
215	10.92	5.4	11.4	5.4	696956	SLV 9	1200299	1422094	0.084	-600153	SLV 7	-955789	-1364754	0.083	Si
226	11.4	5.4	11.4	5.4	874984	SLV 9	1376509	1422094	0.084	-724541	SLV 7	-1083053	-1422093	0.084	Si
246	15.33	5.4	17.13	5.4	1229279	SLV 9	1726652	2100523	0.091	-976520	SLV 7	-1340266	-1887466	0.088	Si
267	17.26	5.4	19.01	5.4	1580705	SLV 9	1895124	2322969	0.093	-1232250	SLV 7	-1466120	-2116274	0.09	Si
285	19.01	5.4	19.01	5.4	1895124	SLV 9	1895124	2322809	0.092	-1466120	SLV 7	-1466120	-2322809	0.092	Si
287	19.01	5.4	19.01	5.4	1929030	SLV 9	1927511	2322809	0.092	-1491497	SLV 7	-1490451	-2322809	0.092	Si
308	19.01	5.4	19.01	5.4	2274162	SLV 9	2085774	2322809	0.092	-1754169	SLV 7	-1609347	-2322809	0.092	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4	423749	SLD 7	398955	1872209	0.086	-1835630	SLD 9	-1713045	-3671293	0.114	Si
21	30.41	5.4	15.21	5.4	376859	SLD 7	376618	1872209	0.086	-1613616	SLD 9	-1612731	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4	372047	SLD 7	372047	1872209	0.086	-1592203	SLD 9	-1592203	-3671293	0.114	Si
41	30.41	5.4	15.21	5.4	326734	SLD 7	372047	1872209	0.086	-1394986	SLD 9	-1592203	-3671293	0.114	Si
62	28.05	5.4	13.9	5.4	273444	SLD 7	348024	1718217	0.085	-1179809	SLD 9	-1486028	-3392250	0.112	Si
82	25.15	5.4	11.4	5.4	217185	SLD 7	296047	1422107	0.084	-968283	SLD 9	-1269397	-3049648	0.11	Si
92	23.7	5.4	11.4	5.4	188128	SLD 7	268890	1422107	0.084	-864075	SLD 9	-1162396	-2878594	0.107	Si
113	17.64	5.4	11.4	5.4	129875	SLD 7	212422	1422107	0.084	-660482	SLD 9	-951203	-2161099	0.094	Si
133	14.74	5.4	11.4	5.4	77884	SLD 11	154038	1422107	0.084	-469772	SLD 5	-744713	-1817491	0.089	Si
154	7.6	5.4	11.4	5.4	29861	SLD 11	95044	1422093	0.084	-289647	SLD 5	-544232	-970824	0.078	Si
174	7.6	5.4	11.4	5.4	41492	SLD 15	225598	1422093	0.084	-175796	SLD 1	-364185	-970824	0.078	Si
195	9.95	5.4	11.4	5.4	160412	SLD 13	413774	1422093	0.084	-175853	SLD 3	-272123	-1250065	0.081	Si
215	10.92	5.4	11.4	5.4	335404	SLD 9	599319	1422094	0.084	-238601	SLD 7	-354810	-1364754	0.083	Si
226	11.4	5.4	11.4	5.4	429138	SLD 9	690941	1422094	0.084	-278695	SLD 7	-397484	-1422093	0.084	Si
246	15.33	5.4	17.13	5.4	614443	SLD 9	871793	2100523	0.091	-361685	SLD 7	-485406	-1887466	0.088	Si
267	17.26	5.4	19.01	5.4	796634	SLD 9	958226	2322969	0.093	-448178	SLD 7	-529221	-2116274	0.09	Si
285	19.01	5.4	19.01	5.4	958226	SLD 9	958226	2322809	0.092	-529221	SLD 7	-529221	-2322809	0.092	Si
287	19.01	5.4	19.01	5.4	975607	SLD 9	974803	2322809	0.092	-538074	SLD 7	-537743	-2322809	0.092	Si
308	19.01	5.4	19.01	5.4	1151323	SLD 9	1055812	2322809	0.092	-631330	SLD 7	-579385	-2322809	0.092	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	28.05	0	6137	SLU 36	6137	14743	76908	0	14743	1	Si
21	0	25.15	0	5928	SLU 36	5928	14216	76908	0	14216	1	Si
23	0.201	25.15	0	5907	SLU 36	5907	14216	76908	23342	23342	1	Si
41	0.201	19.01	0	5718	SLU 36	5718	12949	76908	23342	23342	1	Si
62	0.201	16.19	0	5508	SLU 36	5508	12274	76908	23342	23342	1	Si
82	0.201	13.29	0	5298	SLU 36	5298	11493	76908	23342	23342	1	Si
92	0.201	7.6	0	5193	SLU 36	5193	9541	76908	23342	23342	1	Si
113	0.197	7.6	0	4983	SLU 36	4983	9541	76908	22865	22865	1	Si
133	0.197	9.95	0	4773	SLU 36	4773	10438	76908	22865	22865	1	Si
154	0.197	10.92	0	4563	SLU 36	4563	10765	76908	22865	22865	1	Si
174	0.197	11.4	0	4354	SLU 36	4354	10922	76908	22865	22865	1	Si
195	0.197	11.4	0	4144	SLU 36	4144	10922	76908	22865	22865	1	Si
215	0.187	11.4	0	3934	SLU 36	3934	10922	76908	21675	21675	1	Si
226	0.187	11.4	0	3829	SLU 36	3829	10922	76908	21675	21675	1	Si
246	0.187	11.4	0	3619	SLU 36	3619	10922	76908	21675	21675	1	Si
267	0.187	11.4	0	3409	SLU 36	3409	10922	76908	21675	21675	1	Si
285	0.187	11.4	0	3220	SLU 36	3220	10922	76908	21675	21675	1	Si
287	0	11.4	0	3199	SLU 36	3199	10922	76908	0	10922	1	Si
308	0	17.13	0	2989	SLU 36	2989	12508	76908	0	12508	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	28.05	0	19191	SLV 9	23049	14743	76908	0	14743	1	Si
0	0	13.9	0	-10487	SLV 7	-14345	-11668	-76908	0	-11668	1	Si
21	0	25.15	0	19030	SLV 9	22888	14216	76908	0	14216	1	Si
21	0	11.4	0	-10648	SLV 7	-14506	-10922	-76908	0	-10922	1	Si
23	0.201	25.15	0	19014	SLV 9	22872	14216	76908	23342	23342	1	Si
23	0.201	11.4	0	-10664	SLV 7	-14522	-10922	-76908	-23342	-23342	1	Si
41	0.201	19.01	0	18868	SLV 9	22726	12949	76908	23342	23342	1	Si
41	0.201	11.4	0	-10810	SLV 7	-14668	-10922	-76908	-23342	-23342	1	Si
62	0.201	16.19	0	18707	SLV 9	22565	12274	76908	23342	23342	1	Si
62	0.201	11.4	0	-10971	SLV 7	-14829	-10922	-76908	-23342	-23342	1	Si
82	0.201	13.29	0	18545	SLV 9	22403	11493	76908	23342	23342	1	Si
82	0.201	11.4	0	-11133	SLV 7	-14991	-10922	-76908	-23342	-23342	1	Si
92	0.201	7.6	0	18465	SLV 9	22323	9541	76908	23342	23342	1	Si
92	0.201	11.4	0	-11213	SLV 7	-15072	-10922	-76908	-23342	-23342	1	Si
113	0.197	7.6	0	18303	SLV 9	22161	9541	76908	22865	22865	1	Si
113	0.197	11.4	0	-11375	SLV 7	-15233	-10922	-76908	-22865	-22865	1	Si
133	0.197	9.95	0	18142	SLV 9	22000	10438	76908	22865	22865	1	Si
133	0.197	11.4	0	-11536	SLV 7	-15394	-10922	-76908	-22865	-22865	1	Si
154	0.197	10.92	0	17980	SLV 9	21838	10765	76908	22865	22865	1	Si
154	0.197	11.4	0	-11698	SLV 7	-15556	-10922	-76908	-22865	-22865	1	Si
174	0.197	11.4	0	17819	SLV 9	21677	10922	76908	22865	22865	1	Si
174	0.197	11.4	0	-11859	SLV 7	-15717	-10922	-76908	-22865	-22865	1	Si
195	0.197	11.4	0	17657	SLV 9	21515	10922	76908	22865	22865	1	Si
195	0.197	14.74	0	-12021	SLV 7	-15879	-11896	-76908	-22865	-22865	1	Si
215	0.187	11.4	0	17496	SLV 9	21354	10922	76908	21675	21675	1	Si
215	0.187	7.6	0	-12182	SLV 7	-16040	-9541	-76908	-21675	-21675	1	Si
226	0.187	11.4	0	17415	SLV 9	21273	10922	76908	21675	21675	1	Si
226	0.187	7.6	0	-12263	SLV 7	-16121	-9541	-76908	-21675	-21675	1	Si
246	0.187	11.4	0	17254	SLV 9	21112	10922	76908	21675	21675	1	Si
246	0.187	9.47	0	-12424	SLV 7	-16282	-10266	-76908	-21675	-21675	1	Si
267	0.187	11.4	0	17092	SLV 9	20950	10922	76908	21675	21675	1	Si
267	0.187	10.44	0	-12586	SLV 7	-16444	-10604	-76908	-21675	-21675	1	Si
285	0.187	11.4	0	16947	SLV 9	20805	10922	76908	21675	21675	1	Si
285	0.187	11.4	0	-12731	SLV 7	-16589	-10922	-76908	-21675	-21675	1	Si
287	0	11.4	0	16931	SLV 9	20789	10922	76908	0	10922	1	Si
287	0	11.4	0	-12747	SLV 7	-16605	-10922	-76908	0	-10922	1	Si
308	0	17.13	0	16769	SLV 9	20628	12508	76908	0	12508	1	Si
308	0	15.33	0	-12908	SLV 7	-16767	-12054	-76908	0	-12054	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	28.05	0	10919	SLD 9	10919	14743	76908	0	14743	1	Si
0	0	13.9	0	-2215	SLD 7	-2215	-11668	-76908	0	-11668	1	Si
21	0	25.15	0	10757	SLD 9	10757	14216	76908	0	14216	1	Si
21	0	11.4	0	-2376	SLD 7	-2376	-10922	-76908	0	-10922	1	Si
23	0.201	25.15	0	10742	SLD 9	10742	14216	76908	23342	23342	1	Si
23	0.201	11.4	0	-2392	SLD 7	-2392	-10922	-76908	-23342	-23342	1	Si
41	0.201	19.01	0	10596	SLD 9	10596	12949	76908	23342	23342	1	Si
41	0.201	11.4	0	-2538	SLD 7	-2538	-10922	-76908	-23342	-23342	1	Si
62	0.201	16.19	0	10434	SLD 9	10434	12274	76908	23342	23342	1	Si
62	0.201	11.4	0	-2699	SLD 7	-2699	-10922	-76908	-23342	-23342	1	Si
82	0.201	13.29	0	10273	SLD 9	10273	11493	76908	23342	23342	1	Si
82	0.201	11.4	0	-2860	SLD 7	-2860	-10922	-76908	-23342	-23342	1	Si
92	0.201	7.6	0	10192	SLD 9	10192	9541	76908	23342	23342	1	Si
92	0.201	11.4	0	-2941	SLD 7	-2941	-10922	-76908	-23342	-23342	1	Si
113	0.197	7.6	0	10031	SLD 9	10031	9541	76908	22865	22865	1	Si
113	0.197	11.4	0	-3103	SLD 7	-3103	-10922	-76908	-22865	-22865	1	Si
133	0.197	9.95	0	9869	SLD 9	9869	10438	76908	22865	22865	1	Si
133	0.197	11.4	0	-3264	SLD 7	-3264	-10922	-76908	-22865	-22865	1	Si
154	0.197	10.92	0	9708	SLD 9	9708	10765	76908	22865	22865	1	Si
154	0.197	10.92	0	-3425	SLD 7	-3425	-10765	-76908	-22865	-22865	1	Si
174	0.197	11.4	0	9547	SLD 9	9547	10922	76908	22865	22865	1	Si
174	0.197	11.4	0	-3587	SLD 7	-3587	-10922	-76908	-22865	-22865	1	Si
195	0.197	11.4	0	9385	SLD 9	9385	10922	76908	22865	22865	1	Si
195	0.197	14.74	0	-3748	SLD 7	-3748	-11896	-76908	-22865	-22865	1	Si
215	0.187	11.4	0	9224	SLD 9	9224	10922	76908	21675	21675	1	Si
215	0.187	7.6	0	-3910	SLD 7	-3910	-9541	-76908	-21675	-21675	1	Si
226	0.187	11.4	0	9143	SLD 9	9143	10922	76908	21675	21675	1	Si
226	0.187	7.6	0	-3990	SLD 7	-3990	-9541	-76908	-21675	-21675	1	Si
246	0.187	11.4	0	8981	SLD 9	8981	10922	76908	21675	21675	1	Si
246	0.187	9.47	0	-4152	SLD 7	-4152	-10266	-76908	-21675	-21675	1	Si
267	0.187	11.4	0	8820	SLD 9	8820	10922	76908	21675	21675	1	Si
267	0.187	10.44	0	-4313	SLD 7	-4313	-10604	-76908	-21675	-21675	1	Si
285	0.187	11.4	0	8674	SLD 9	8674	10922	76908	21675	21675	1	Si
285	0.187	11.4	0	-4459	SLD 7	-4459	-10922	-76908	-21675	-21675	1	Si
287	0	11.4	0	8659	SLD 9	8659	10922	76908	0	10922	1	Si
287	0	11.4	0	-4475	SLD 7	-4475	-10922	-76908	0	-10922	1	Si
308	0	17.13	0	8497	SLD 9	8497	12508	76908	0	12508	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
308	0	15.33	0	-4636	SLD 7	-4636	-12054	-76908	0	-12054	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-739048	9	-687681	16.4	124.5	396.4	1837	-705941	2	-657045	15.7	93.4	0	+∞	Si
21	-646982	9	-646640	15.4	124.5	372.8	1837	-618378	2	-618057	14.7	93.4	0	+∞	Si
23	-638242	9	-638242	15.2	124.5	367.9	1837	-610078	2	-610078	14.6	93.4	0	+∞	Si
41	-558571	3	-638242	15.2	124.5	367.9	1837	-534126	2	-610078	14.6	93.4	0	+∞	Si
62	-473554	3	-595150	14.8	124.5	371.2	1837	-453183	2	-569002	14.1	93.4	0	+∞	Si
82	-391847	3	-508749	13.5	124.5	353.3	1837	-375549	2	-486675	12.9	93.4	0	+∞	Si
92	-352234	3	-466790	12.6	124.5	343.1	1837	-337973	2	-446753	12	93.4	0	+∞	Si
113	-275491	3	-385354	11.4	124.5	375.8	1837	-265304	2	-369390	10.9	93.4	0	+∞	Si
133	-202057	3	-307228	9.7	124.5	356.1	1837	-195944	2	-295337	9.3	93.4	0	+∞	Si
154	-132370	2	-232410	5.2	124.5	80.6	1837	-129893	2	-224594	9	93.4	0	+∞	Si
174	-67944	1	-160903	3.6	124.5	55.8	1837	-67944	1	-157160	6.3	93.4	0	+∞	Si
195	1962	9	86895	3.1	124.5	129.1	1837								Si
195	-13018	1	-93763	3.4	124.5	158.8	1837	-13018	1	-93035	3.4	93.4	0	+∞	Si
215	62588	9	142828	5	124.5	212.1	1837	48401	2	122255	4.2	93.4	0	+∞	Si
226	91660	9	169554	5.8	124.5	251.7	1837	75221	2	146728	5.1	93.4	0	+∞	Si
246	147322	9	220523	6.3	124.5	220.3	1837	126379	2	193193	5.5	93.4	0	+∞	Si
267	199675	9	244014	6.6	124.5	220.1	1837	174228	2	214502	5.8	93.4	0	+∞	Si
285	244014	9	244014	6.4	124.5	219.8	1837	214502	2	214502	5.6	93.4	0	+∞	Si
287	248718	9	248462	6.5	124.5	223.8	1837	218767	2	218530	5.8	93.4	0	+∞	Si
308	294452	9	270197	7.1	124.5	243.4	1837	259996	2	238213	6.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
23	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
41	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.007	1	-0.008	1	9999	Si
62	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.009	1	-0.01	1	9999	Si
82	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
92	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
103	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
113	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
133	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.01	1	-0.011	1	9999	Si
154	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
174	-0.003	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
195	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
215	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
226	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
246	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
267	0	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
285	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
287	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	4175	18697	23342	SLV 9	0.37	756	1.025	-610078	2219336	1872209	SLV 7	0.41	935	1.118	Si
41	4029	18697	23342	SLV 9	0.38	770	1.033	-610078	2219336	1872209	SLV 7	0.41	935	1.118	Si
62	3868	18697	23342	SLV 9	0.38	786	1.041	-569002	2072229	1718217	SLV 7	0.4	905	1.103	Si
82	3706	18697	23342	SLV 9	0.38	802	1.05	-486675	1768738	1422107	SLV 7	0.39	857	1.079	Si
92	3626	18697	23342	SLV 9	0.38	810	1.054	-446753	1617158	1422107	SLV 7	0.42	1016	1.157	Si
113	3464	18697	22865	SLV 9	0.38	779	1.038	-369390	1314737	1422107	SLV 7	0.49	1572	1.384	Si
133	3303	18697	22865	SLV 9	0.38	794	1.046	-295337	-1015465	-1817491	SLV 9	0.53	2029	1.536	Si
154	3141	18697	22865	SLV 9	0.38	811	1.055	-224594	-722292	-970824	SLV 9	0.38	770	1.033	Si
174	2980	18697	22865	SLV 9	0.39	827	1.063	-157160	-467817	-970824	SLV 5	0.57	2474	1.666	Si
195	2818	18697	22865	SLV 9	0.39	843	1.072	70826	-774979	-1250065	SLV 7	0.57	2474	1.666	Si
215	2657	18697	21675	SLV 9	0.37	741	1.017	122255	1078044	1422094	SLV 9	0.44	1137	1.212	Si
226	2576	18697	21675	SLV 9	0.37	749	1.021	146728	1229781	1422094	SLV 9	0.38	777	1.036	Si
246	2415	18697	21675	SLV 9	0.37	765	1.03	193193	1533459	2100523	SLV 9	0.45	1234	1.253	Si
267	2253	18697	21675	SLV 9	0.38	780	1.038	214502	1680622	2322969	SLV 9	0.45	1263	1.265	Si
285	2108	18697	21675	SLV 9	0.38	795	1.046	214502	1680622	2322809	SLV 9	0.45	1262	1.264	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	4175	6567	23342	SLD 9	0.39	860	2.719	-610078	982125	1872209	SLD 7	0.34	606	2.355	Si
41	4029	6567	23342	SLD 9	0.4	876	2.739	-610078	982125	1872209	SLD 7	0.34	606	2.355	Si
62	3868	6567	23342	SLD 9	0.4	894	2.762	-569002	917026	1718217	SLD 7	0.34	587	2.325	Si
82	3706	6567	23342	SLD 9	0.4	913	2.786	-486675	782722	1422107	SLD 7	0.33	556	2.274	Si
92	3626	6567	23342	SLD 9	0.4	922	2.797	-446753	715643	1422107	SLD 7	0.35	656	2.433	Si
113	3464	6567	22865	SLD 9	0.4	886	2.752	-369390	581813	1422107	SLD 7	0.41	980	2.868	Si
133	3303	6567	22865	SLD 9	0.4	904	2.775	-295337	-449376	-1817491	SLD 9	0.45	1266	3.186	Si
154	3141	6567	22865	SLD 9	0.4	923	2.799	-224594	-319638	-970824	SLD 9	0.32	502	2.18	Si
174	2980	6567	22865	SLD 9	0.41	941	2.821	-157160	-207026	-970824	SLD 5	0.52	1882	3.748	Si
195	2818	6567	22865	SLD 9	0.41	959	2.843	70826	-342949	-1250065	SLD 7	0.51	1783	3.666	Si
215	2657	6567	21675	SLD 9	0.39	844	2.698	122255	477064	1422094	SLD 9	0.37	728	2.539	Si
226	2576	6567	21675	SLD 9	0.39	852	2.708	146728	544213	1422094	SLD 9	0.32	505	2.186	Si
246	2415	6567	21675	SLD 9	0.39	871	2.733	193193	678599	2100523	SLD 9	0.38	785	2.619	Si
267	2253	6567	21675	SLD 9	0.4	889	2.756	214502	743723	2322969	SLD 9	0.38	801	2.641	Si
285	2108	6567	21675	SLD 9	0.4	905	2.776	214502	743723	2322809	SLD 9	0.38	801	2.641	Si

Campata 4 tra i fili 68 - 65, sezione R 45x70, asta 972

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	250793	SLU 36	250793	2322809	0.092						Si
18	19.01	5.4	19.01	5.4	271810	SLU 36	271810	2322809	0.092						Si
23	19.01	5.4	19.01	5.4	276442	SLU 36	302064	2322809	0.092						Si
36	17.73	5.4	19.01	5.4	289510	SLU 36	311019	2322885	0.093						Si
54	16.04	5.4	19.01	5.4	303894	SLU 36	320069	2323058	0.094						Si
72	11.4	5.4	16.79	5.4	314960	SLU 36	326446	2060975	0.093						Si
81	11.4	5.4	15.58	5.4	319249	SLU 36	328391	1917344	0.091						Si
99	10.56	5.4	11.4	5.4	325955	SLU 30	329875	1422094	0.084						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
117	9.71	5.4	11.4	5.4	329397	SLU 30	329875	1422093	0.084						Si
135	7.6	5.4	15.85	5.4	329523	SLU 30	329875	1949737	0.094						Si
153	7.6	5.4	11.4	5.4	326331	SLU 30	329875	1422093	0.084						Si
171	7.6	5.4	11.4	5.4	319822	SLU 30	328613	1422093	0.084						Si
189	13.89	5.4	15.58	5.4	309996	SLU 30	324144	1917095	0.09						Si
207	16.43	5.4	18	5.4	296854	SLU 30	316358	2204109	0.092						Si
216	17.7	5.4	19.01	5.4	289038	SLU 30	311222	2322968	0.093						Si
234	19.01	5.4	19.01	5.4	270920	SLU 30	298460	2322809	0.092						Si
247	19.01	5.4	19.01	5.4	255051	SLU 30	286705	2322809	0.092						Si
252	19.01	5.4	19.01	5.4	249485	SLU 30	249485	2322809	0.092						Si
270	19.01	5.4	19.01	5.4	224733	SLU 30	224733	2322809	0.092						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	2161300	SLV 11	2015385	2322809	0.092	-1842711	SLV 5	-1673718	-2322809	0.092	Si
18	19.01	5.4	19.01	5.4	1932726	SLV 11	1925637	2322809	0.092	-1579508	SLV 5	-1571649	-2322809	0.092	Si
23	19.01	5.4	19.01	5.4	1875154	SLV 11	1875154	2322809	0.092	-1514236	SLV 5	-1514236	-2322809	0.092	Si
36	17.73	5.4	19.01	5.4	1701876	SLV 11	1875154	2322885	0.093	-1319132	SLV 5	-1514236	-2172104	0.091	Si
54	16.04	5.4	19.01	5.4	1468787	SLV 11	1844066	2323058	0.094	-1061620	SLV 5	-1478989	-1971135	0.089	Si
72	11.4	5.4	16.79	5.4	1233530	SLV 11	1612349	2060975	0.093	-807044	SLV 5	-1219712	-1422107	0.084	Si
81	11.4	5.4	15.58	5.4	1115136	SLV 11	1495655	1917344	0.091	-680903	SLV 5	-1091151	-1422106	0.084	Si
90	10.98	5.4	11.4	5.4	996282	SLV 11	1378416	1422094	0.084	-555578	SLV 5	-963320	-1371746	0.083	Si
99	10.56	5.4	11.4	5.4	877053	SLV 11	1260646	1422094	0.084	-431155	SLV 5	-836234	-1321403	0.082	Si
117	9.71	5.4	11.4	5.4	735896	SLV 15	1023618	1422093	0.084	-283435	SLV 1	-584403	-1220692	0.081	Si
135	7.6	5.4	15.85	5.4	673849	SLV 15	785100	1949737	0.094	-219930	SLV 1	-336184	-971302	0.079	Si
153	7.6	5.4	11.4	5.4	720299	SLV 13	958006	1422093	0.084	-270023	SLV 3	-524503	-970824	0.078	Si
171	7.6	5.4	11.4	5.4	811404	SLV 9	1195260	1422093	0.084	-369875	SLV 7	-778745	-970824	0.078	Si
189	13.89	5.4	15.58	5.4	1049594	SLV 9	1430553	1917095	0.09	-621914	SLV 7	-1036129	-1716370	0.087	Si
207	16.43	5.4	18	5.4	1286144	SLV 9	1663664	2204109	0.092	-877417	SLV 7	-1296434	-2017859	0.089	Si
216	17.7	5.4	19.01	5.4	1403651	SLV 9	1779372	2322968	0.093	-1006314	SLV 7	-1427653	-2168557	0.091	Si
234	19.01	5.4	19.01	5.4	1637021	SLV 9	1810494	2322809	0.092	-1266291	SLV 7	-1463228	-2322809	0.092	Si
247	19.01	5.4	19.01	5.4	1810494	SLV 9	1810494	2322809	0.092	-1463228	SLV 7	-1463228	-2322809	0.092	Si
252	19.01	5.4	19.01	5.4	1868128	SLV 9	1863167	2322809	0.092	-1529108	SLV 7	-1523323	-2322809	0.092	Si
270	19.01	5.4	19.01	5.4	2096923	SLV 9	1956808	2322809	0.092	-1794716	SLV 7	-1630158	-2322809	0.092	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	1045233	SLD 11	987095	2322809	0.092	-726644	SLD 5	-645428	-2322809	0.092	Si
18	19.01	5.4	19.01	5.4	953736	SLD 11	950814	2322809	0.092	-600518	SLD 5	-596826	-2322809	0.092	Si
23	19.01	5.4	19.01	5.4	930405	SLD 11	930405	2322809	0.092	-569487	SLD 5	-569487	-2322809	0.092	Si
36	17.73	5.4	19.01	5.4	859809	SLD 11	930405	2322885	0.093	-477065	SLD 5	-569487	-2172104	0.091	Si
54	16.04	5.4	19.01	5.4	763469	SLD 11	917807	2323058	0.094	-356302	SLD 5	-552731	-1971135	0.089	Si
72	11.4	5.4	16.79	5.4	664748	SLD 11	822949	2060975	0.093	-238261	SLD 5	-430312	-1422107	0.084	Si
81	11.4	5.4	15.58	5.4	614514	SLD 11	774617	1917344	0.091	-180282	SLD 5	-370113	-1422106	0.084	Si
90	10.98	5.4	11.4	5.4	563722	SLD 11	725688	1422094	0.084	-123019	SLD 5	-310592	-1371746	0.083	Si
99	10.56	5.4	11.4	5.4	512408	SLD 11	676168	1422094	0.084	-66510	SLD 5	-251757	-1321403	0.082	Si
117	9.71	5.4	11.4	5.4	451776	SLD 15	575404	1422093	0.084	685	SLD 1	-136189	-1220692	0.081	Si
135	7.6	5.4	15.85	5.4	424726	SLD 15	472558	1949737	0.094	29194	SLD 1	-23642	-971302	0.079	Si
153	7.6	5.4	11.4	5.4	444265	SLD 13	544776	1422093	0.084	6011	SLD 3	-111274	-970824	0.078	Si
171	7.6	5.4	11.4	5.4	482139	SLD 9	645032	1422093	0.084	-40610	SLD 7	-228517	-970824	0.078	Si
189	13.89	5.4	15.58	5.4	583683	SLD 9	742998	1917095	0.09	-156004	SLD 7	-348574	-1716370	0.087	Si
207	16.43	5.4	18	5.4	683080	SLD 9	838575	2204109	0.092	-274353	SLD 7	-471345	-2017859	0.089	Si
216	17.7	5.4	19.01	5.4	731905	SLD 9	885455	2322968	0.093	-334568	SLD 7	-533736	-2168557	0.091	Si
234	19.01	5.4	19.01	5.4	827760	SLD 9	897986	2322809	0.092	-457031	SLD 7	-550720	-2322809	0.092	Si
247	19.01	5.4	19.01	5.4	897986	SLD 9	897986	2322809	0.092	-550720	SLD 7	-550720	-2322809	0.092	Si
252	19.01	5.4	19.01	5.4	921192	SLD 9	919227	2322809	0.092	-582172	SLD 7	-579383	-2322809	0.092	Si
270	19.01	5.4	19.01	5.4	1012178	SLD 9	956987	2322809	0.092	-709972	SLD 7	-630338	-2322809	0.092	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18	0	1382	SLU 19	1382	12717	76908	0	12717	1	Si
18	0	15.58	0	1198	SLU 19	1198	12119	76908	0	12119	1	Si
23	0.172	11.4	0	1152	SLU 19	1152	10922	76908	20007	20007	1	Si
36	0.172	11.4	0	1013	SLU 19	1013	10922	76908	20007	20007	1	Si
54	0.172	11.4	0	829	SLU 19	829	10922	76908	20007	20007	1	Si
72	0.172	15.85	0	645	SLU 19	645	12188	76908	20007	20007	1	Si
81	0.172	15.85	0	553	SLU 19	553	12188	76908	20007	20007	1	Si
99	0.166	11.4	0	368	SLU 19	368	10922	76908	19223	19223	1	Si
117	0.166	11.4	0	184	SLU 19	184	10922	76908	19223	19223	1	Si
135	0.166	16.79	0	-135	SLU 18	-135	-12425	-76908	-19223	-19223	1	Si
153	0.166	11.4	0	-307	SLU 36	-307	-10922	-76908	-19223	-19223	1	Si
171	0.166	11.4	0	-491	SLU 36	-491	-10922	-76908	-19223	-19223	1	Si
189	0.172	15.85	0	-675	SLU 36	-675	-12188	-76908	-20007	-20007	1	Si
207	0.172	15.85	0	-859	SLU 36	-859	-12188	-76908	-20007	-20007	1	Si
216	0.172	11.4	0	-952	SLU 36	-952	-10922	-76908	-20007	-20007	1	Si
234	0.172	11.4	0	-1136	SLU 36	-1136	-10922	-76908	-20007	-20007	1	Si
247	0.172	11.4	0	-1274	SLU 36	-1274	-10922	-76908	-20007	-20007	1	Si
252	0	15.58	0	-1320	SLU 36	-1320	-12119	-76908	0	-12119	1	Si
270	0	18	0	-1504	SLU 36	-1504	-12717	-76908	0	-12717	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.19	0	14955	SLV 9	18574	12017	76908	0	12017	1	Si
0	0	18	0	-12889	SLV 7	-16509	-12717	-76908	0	-12717	1	Si
9	0	11.4	0	14884	SLV 9	18504	10922	76908	0	10922	1	Si
9	0	16.79	0	-12960	SLV 7	-16580	-12425	-76908	0	-12425	1	Si
18	0	11.4	0	14813	SLV 9	18433	10922	76908	0	10922	1	Si
18	0	15.58	0	-13031	SLV 7	-16651	-12119	-76908	0	-12119	1	Si
23	0.172	10.98	0	14778	SLV 9	18397	10785	76908	20007	20007	1	Si
23	0.172	11.4	0	-13066	SLV 7	-16686	-10922	-76908	-20007	-20007	1	Si
36	0.172	10.56	0	14671	SLV 9	18291	10644	76908	20007	20007	1	Si
36	0.172	11.4	0	-13173	SLV 7	-16792	-10922	-76908	-20007	-20007	1	Si
54	0.172	9.71	0	14530	SLV 9	18149	10351	76908	20007	20007	1	Si
54	0.172	11.4	0	-13314	SLV 7	-16934	-10922	-76908	-20007	-20007	1	Si
72	0.172	7.6	0	14388	SLV 9	18007	9541	76908	20007	20007	1	Si
72	0.172	15.85	0	-13456	SLV 7	-17076	-12188	-76908	-20007	-20007	1	Si
81	0.172	7.6	0	14317	SLV 9	17937	9541	76908	20007	20007	1	Si
81	0.172	15.85	0	-13527	SLV 7	-17147	-12188	-76908	-20007	-20007	1	Si
99	0.166	7.6	0	14175	SLV 9	17795	9541	76908	19223	19223	1	Si
99	0.166	11.4	0	-13669	SLV 7	-17289	-10922	-76908	-19223	-19223	1	Si
117	0.166	11.4	0	14033	SLV 9	17653	10922	76908	19223	19223	1	Si
117	0.166	11.4	0	-13811	SLV 7	-17430	-10922	-76908	-19223	-19223	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
135	0.166	16.79	0	13892	SLV 9	17511	12425	76908	19223	19223	1	Si
135	0.166	16.79	0	-13952	SLV 7	-17572	-12425	-76908	-19223	-19223	1	Si
153	0.166	11.4	0	13750	SLV 9	17370	10922	76908	19223	19223	1	Si
153	0.166	10.98	0	-14094	SLV 7	-17714	-10785	-76908	-19223	-19223	1	Si
171	0.166	11.4	0	13608	SLV 9	17228	10922	76908	19223	19223	1	Si
171	0.166	10.13	0	-14236	SLV 7	-17856	-10499	-76908	-19223	-19223	1	Si
189	0.172	15.85	0	13466	SLV 9	17086	12188	76908	20007	20007	1	Si
189	0.172	9.28	0	-14378	SLV 7	-17997	-10198	-76908	-20007	-20007	1	Si
207	0.172	15.85	0	13325	SLV 9	16944	12188	76908	20007	20007	1	Si
207	0.172	7.6	0	-14519	SLV 7	-18139	-9541	-76908	-20007	-20007	1	Si
216	0.172	11.4	0	13254	SLV 9	16873	10922	76908	20007	20007	1	Si
216	0.172	7.6	0	-14590	SLV 7	-18210	-9541	-76908	-20007	-20007	1	Si
234	0.172	11.4	0	13112	SLV 9	16732	10922	76908	20007	20007	1	Si
234	0.172	7.6	0	-14732	SLV 7	-18352	-9541	-76908	-20007	-20007	1	Si
247	0.172	11.4	0	13006	SLV 9	16625	10922	76908	20007	20007	1	Si
247	0.172	12.61	0	-14838	SLV 7	-18458	-11295	-76908	-20007	-20007	1	Si
252	0	15.58	0	12970	SLV 9	16590	12119	76908	0	12119	1	Si
252	0	13.89	0	-14874	SLV 7	-18493	-11663	-76908	0	-11663	1	Si
270	0	18	0	12829	SLV 9	16448	12717	76908	0	12717	1	Si
270	0	16.43	0	-15015	SLV 7	-18635	-12336	-76908	0	-12336	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.19	0	7194	SLD 9	7194	12017	76908	0	12017	1	Si
0	0	18	0	-5128	SLD 7	-5128	-12717	-76908	0	-12717	1	Si
9	0	11.4	0	7123	SLD 9	7123	10922	76908	0	10922	1	Si
9	0	16.79	0	-5199	SLD 7	-5199	-12425	-76908	0	-12425	1	Si
18	0	11.4	0	7052	SLD 9	7052	10922	76908	0	10922	1	Si
18	0	15.58	0	-5270	SLD 7	-5270	-12119	-76908	0	-12119	1	Si
23	0.172	10.98	0	7016	SLD 9	7016	10785	76908	20007	20007	1	Si
23	0.172	11.4	0	-5305	SLD 7	-5305	-10922	-76908	-20007	-20007	1	Si
36	0.172	10.56	0	6910	SLD 9	6910	10644	76908	20007	20007	1	Si
36	0.172	11.4	0	-5412	SLD 7	-5412	-10922	-76908	-20007	-20007	1	Si
54	0.172	9.71	0	6768	SLD 9	6768	10351	76908	20007	20007	1	Si
54	0.172	11.4	0	-5553	SLD 7	-5553	-10922	-76908	-20007	-20007	1	Si
72	0.172	7.6	0	6627	SLD 9	6627	9541	76908	20007	20007	1	Si
72	0.172	15.85	0	-5695	SLD 7	-5695	-12188	-76908	-20007	-20007	1	Si
81	0.172	7.6	0	6556	SLD 9	6556	9541	76908	20007	20007	1	Si
81	0.172	15.85	0	-5766	SLD 7	-5766	-12188	-76908	-20007	-20007	1	Si
99	0.166	11.4	0	6414	SLD 9	6414	10922	76908	19223	19223	1	Si
99	0.166	11.4	0	-5908	SLD 7	-5908	-10922	-76908	-19223	-19223	1	Si
117	0.166	11.4	0	6272	SLD 9	6272	10922	76908	19223	19223	1	Si
117	0.166	11.4	0	-6049	SLD 7	-6049	-10922	-76908	-19223	-19223	1	Si
135	0.166	16.79	0	6130	SLD 9	6130	12425	76908	19223	19223	1	Si
135	0.166	16.79	0	-6191	SLD 7	-6191	-12425	-76908	-19223	-19223	1	Si
153	0.166	11.4	0	5989	SLD 9	5989	10922	76908	19223	19223	1	Si
153	0.166	11.4	0	-6333	SLD 7	-6333	-10922	-76908	-19223	-19223	1	Si
171	0.166	11.4	0	5847	SLD 9	5847	10922	76908	19223	19223	1	Si
171	0.166	10.13	0	-6475	SLD 7	-6475	-10499	-76908	-19223	-19223	1	Si
189	0.172	15.85	0	5705	SLD 9	5705	12188	76908	20007	20007	1	Si
189	0.172	9.28	0	-6616	SLD 7	-6616	-10198	-76908	-20007	-20007	1	Si
207	0.172	15.85	0	5563	SLD 9	5563	12188	76908	20007	20007	1	Si
207	0.172	7.6	0	-6758	SLD 7	-6758	-9541	-76908	-20007	-20007	1	Si
216	0.172	11.4	0	5493	SLD 9	5493	10922	76908	20007	20007	1	Si
216	0.172	7.6	0	-6829	SLD 7	-6829	-9541	-76908	-20007	-20007	1	Si
234	0.172	11.4	0	5351	SLD 9	5351	10922	76908	20007	20007	1	Si
234	0.172	7.6	0	-6971	SLD 7	-6971	-9541	-76908	-20007	-20007	1	Si
247	0.172	11.4	0	5245	SLD 9	5245	10922	76908	20007	20007	1	Si
247	0.172	12.61	0	-7077	SLD 7	-7077	-11295	-76908	-20007	-20007	1	Si
252	0	15.58	0	5209	SLD 9	5209	12119	76908	0	12119	1	Si
252	0	13.89	0	-7113	SLD 7	-7113	-11663	-76908	0	-11663	1	Si
270	0	18	0	5067	SLD 9	5067	12717	76908	0	12717	1	Si
270	0	16.43	0	-7254	SLD 7	-7254	-12336	-76908	0	-12336	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	179040	9	179040	4.7	124.5	161.3	1837	159295	2	159295	4.2	93.4	0	+∞	Si
18	195531	9	195531	5.2	124.5	176.1	1837	176609	2	176609	4.7	93.4	0	+∞	Si
23	199176	9	219408	5.8	124.5	197.6	1837	180459	2	202021	5.3	93.4	0	+∞	Si
36	209471	9	226540	6.1	124.5	204.3	1837	191372	2	209770	5.6	93.4	0	+∞	Si
54	220859	9	233823	6.4	124.5	211.2	1837	203583	2	217860	5.9	93.4	0	+∞	Si
72	229696	9	238985	7.2	124.5	244.3	1837	213243	2	223400	6.7	93.4	0	+∞	Si
81	233158	9	240609	7.4	124.5	264.3	1837	217116	2	225212	7	93.4	0	+∞	Si
99	238577	3	241976	8.4	124.5	359.4	1837	222949	2	226924	7.9	93.4	0	+∞	Si
117	241481	3	241976	8.5	124.5	359.6	1837	226230	2	226960	8	93.4	0	+∞	Si
135	241833	3	241976	7.8	124.5	262.6	1837	226960	2	226960	7.3	93.4	0	+∞	Si
153	239633	3	241976	8.8	124.5	360.3	1837	225138	2	226960	8.2	93.4	0	+∞	Si
171	234882	3	241232	8.8	124.5	359.2	1837	220765	2	226504	8.2	93.4	0	+∞	Si
189	227580	3	238050	7.1	124.5	260.9	1837	213840	2	223700	6.7	93.4	0	+∞	Si
207	217726	3	232317	6.4	124.5	221	1837	204363	2	218344	6	93.4	0	+∞	Si
216	211842	3	228493	6.1	124.5	206.1	1837	198668	2	214709	5.7	93.4	0	+∞	Si
234	198161	3	218933	5.8	124.5	197.2	1837	185365	2	205527	5.4	93.4	0	+∞	Si
247	186146	3	210081	5.5	124.5	189.2	1837	173633	2	196959	5.2	93.4	0	+∞	Si
252	181928	3	181928	4.8	124.5	163.9	1837	169510	2	169510	4.5	93.4	0	+∞	Si
270	163144	3	163144	4.3	124.5	147	1837	151103	2	151103	4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
23	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
36	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
54	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
72	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
81	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.009	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
99	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
117	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
135	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
153	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
171	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
189	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.009	2	0.009	2	9999	Si
207	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.007	2	9999	Si
216	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.006	2	9999	Si
234	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
247	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
252	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	856	17542	20007	SLV 9	0.4	881	1.091	180459	1694695	2322809	SLV 11	0.46	1288	1.275	Si
36	749	17542	20007	SLV 9	0.4	893	1.097	180459	1694695	2322885	SLV 11	0.46	1288	1.275	Si
54	608	17542	20007	SLV 9	0.4	910	1.106	182538	1661528	2323058	SLV 11	0.46	1354	1.302	Si
72	466	17542	20007	SLV 9	0.4	926	1.114	196319	-1416030	-1422107	SLV 5	0.41	987	1.143	Si
81	395	17542	20007	SLV 9	0.41	934	1.118	202252	-1293403	-1422106	SLV 5	0.45	1266	1.266	Si
99	253	17542	19223	SLV 9	0.39	861	1.081	212206	1048440	1422094	SLV 11	0.42	1012	1.155	Si
117	111	17542	19223	SLV 9	0.4	877	1.089	219607	804011	1422093	SLV 11	0.53	2017	1.533	Si
135	-30	-17542	-19223	SLV 7	0.4	886	1.094	224458	-560642	-971302	SLV 5	0.57	2474	1.666	Si
153	-172	-17542	-19223	SLV 7	0.39	870	1.086	216751	-741254	-970824	SLV 7	0.57	2425	1.653	Si
171	-314	-17542	-19223	SLV 7	0.39	854	1.077	208257	-987003	-970824	SLV 7	0.43	1109	1.199	Si
189	-456	-17542	-20007	SLV 7	0.4	927	1.114	197212	1233341	1917095	SLV 9	0.5	1673	1.419	Si
207	-597	-17542	-20007	SLV 7	0.4	911	1.106	183615	1480049	2204109	SLV 9	0.49	1580	1.387	Si
216	-668	-17542	-20007	SLV 7	0.4	903	1.102	175860	1603513	2322968	SLV 9	0.48	1500	1.357	Si
234	-810	-17542	-20007	SLV 7	0.4	887	1.094	173633	1636861	2322809	SLV 9	0.47	1424	1.329	Si
247	-916	-17542	-20007	SLV 7	0.39	875	1.088	173633	1636861	2322809	SLV 9	0.47	1424	1.329	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	856	6161	20007	SLD 9	0.42	1006	2.899	180459	749946	2322809	SLD 11	0.38	816	2.661	Si
36	749	6161	20007	SLD 9	0.42	1021	2.917	180459	749946	2322885	SLD 11	0.38	816	2.661	Si
54	608	6161	20007	SLD 9	0.42	1043	2.943	182538	735269	2323058	SLD 11	0.39	855	2.712	Si
72	466	6161	20007	SLD 9	0.42	1063	2.966	196319	-626630	-1422107	SLD 5	0.35	639	2.407	Si
81	395	6161	20007	SLD 9	0.43	1073	2.977	202252	-572365	-1422106	SLD 5	0.38	803	2.643	Si
99	253	6161	19223	SLD 9	0.41	980	2.868	212206	463963	1422094	SLD 11	0.35	653	2.429	Si
117	111	6161	19223	SLD 9	0.42	1001	2.893	219607	355797	1422093	SLD 11	0.45	1259	3.179	Si
135	-30	-6161	-19223	SLD 7	0.42	1012	2.906	224458	-248100	-971302	SLD 5	0.6	2474	4.193	Si
153	-172	-6161	-19223	SLD 7	0.41	992	2.883	216751	-328025	-970824	SLD 7	0.48	1510	3.425	Si
171	-314	-6161	-19223	SLD 7	0.41	972	2.859	208257	-436775	-970824	SLD 7	0.36	710	2.513	Si
189	-456	-6161	-20007	SLD 7	0.43	1064	2.967	197212	545786	1917095	SLD 9	0.42	1044	2.944	Si
207	-597	-6161	-20007	SLD 7	0.42	1044	2.944	183615	654960	2204109	SLD 9	0.41	985	2.874	Si
216	-668	-6161	-20007	SLD 7	0.42	1034	2.932	175860	709596	2322968	SLD 9	0.41	939	2.818	Si
234	-810	-6161	-20007	SLD 7	0.42	1013	2.908	173633	724353	2322809	SLD 9	0.4	896	2.765	Si
247	-916	-6161	-20007	SLD 7	0.42	998	2.89	173633	724353	2322809	SLD 9	0.4	896	2.765	Si

Campata 5 tra i fili 65 - 62, sezione R 45x70, asta 973

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	462255	SLU 30	407363	2322809	0.092						Si
18	19.01	5.4	19.01	5.4	370413	SLU 30	368575	2322809	0.092						Si
23	19.01	5.4	19.01	5.4	349988	SLU 30	349988	2322809	0.092						Si
37	19.01	5.4	19.01	5.4	275068	SLU 30	349988	2322809	0.092						Si
55	19.01	5.4	19.01	5.4	176218	SLU 30	329919	2322809	0.092						Si
74	19.01	5.4	16.86	5.4	73964	SLU 29	233072	2068358	0.09	42794	SLU 4	-94458	-2322978	0.093	Si
83	19.01	5.4	15.61	5.4	21809	SLU 29	183334	1920788	0.088	9131	SLU 8	-149343	-2323124	0.094	Si
102	19.01	5.4	11.4	5.4	-57336	SLU 1	81281	1422107	0.084	-86734	SLU 36	-262458	-2323557	0.097	Si
120	19.01	5.4	11.4	5.4						-197347	SLU 30	-379076	-2323557	0.097	Si
139	19.01	5.4	11.4	5.4						-311963	SLU 30	-499198	-2323557	0.097	Si
157	19.01	5.4	11.4	5.4						-430084	SLU 30	-622824	-2323557	0.097	Si
176	19.01	5.4	11.4	5.4						-551708	SLU 30	-749954	-2323557	0.097	Si
194	24.97	6.4	11.4	5.4						-676835	SLU 30	-880587	-2981226	0.112	Si
203	26.28	6.5	11.4	5.4						-740713	SLU 30	-947218	-3125059	0.115	Si
222	28.9	6.8	11.4	5.4						-871097	SLU 30	-1083107	-3410096	0.131	Si
240	30.41	6.9	11.4	5.4						-1004984	SLU 30	-1112479	-3572549	0.142	Si
255	30.41	6.9	11.4	5.4						-1112479	SLU 30	-1112479	-3572549	0.142	Si
259	30.41	6.9	11.4	5.4						-1142375	SLU 30	-1139741	-3572549	0.142	Si
277	30.41	6.9	11.4	5.4						-1283270	SLU 30	-1196633	-3572549	0.142	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	2469750	SLV 11	2258378	2322809	0.092	-1830692	SLV 5	-1694762	-2322809	0.092	Si
18	19.01	5.4	19.01	5.4	2120924	SLV 11	2114169	2322809	0.092	-1608349	SLV 5	-1604139	-2322809	0.092	Si
23	19.01	5.4	19.01	5.4	2045066	SLV 11	2045066	2322809	0.092	-1560714	SLV 5	-1560714	-2322809	0.092	Si
37	19.01	5.4	19.01	5.4	1769411	SLV 11	2045066	2322809	0.092	-1388711	SLV 5	-1560714	-2322809	0.092	Si
55	19.01	5.4	19.01	5.4	1415219	SLV 11	1970536	2322809	0.092	-1171783	SLV 5	-1513912	-2322809	0.092	Si
74	19.01	5.4	16.86	5.4	1058363	SLV 11	1617874	2068358	0.09	-957582	SLV 5	-1295434	-2322978	0.093	Si
83	19.01	5.4	15.61	5.4	878948	SLV 11	1440538	1920788	0.088	-851516	SLV 5	-1187213	-2323124	0.094	Si
102	19.01	5.4	11.4	5.4	518237	SLV 11	1083872	1422107	0.084	-641546	SLV 5	-972816	-2323557	0.097	Si
120	19.01	5.4	11.4	5.4	156809	SLV 11	724587	1422107	0.084	-436249	SLV 5	-761193	-2323557	0.097	Si
139	19.01	5.4	11.4	5.4	-122582	SLV 3	362967	1422107	0.084	-318379	SLV 13	-794128	-2323557	0.097	Si
157	19.01	5.4	11.4	5.4	-25609	SLV 5	286117	1422107	0.084	-582265	SLV 11	-1167241	-2323557	0.097	Si
176	19.01	5.4	11.4	5.4	173491	SLV 5	481252	1422107	0.084	-953667	SLV 11	-1543149	-2323557	0.097	Si
194	24.97	6.4	11.4	5.4	370126	SLV 5	673728	1471377	0.09	-1327995	SLV 11	-1921787	-2981226	0.112	Si
203	26.28	6.5	11.4	5.4	467458	SLV 5	768962	1482170	0.092	-1516195	SLV 11	-2112124	-3125059	0.115	Si
222	28.9	6.8	11.4	5.4	660124	SLV 5	957417	1503525	0.095	-1894639	SLV 11	-2494828	-3410096	0.131	Si
240	30.41	6.9	11.4	5.4	850113	SLV 5	997064	1515842	0.097	-2275797	SLV 11	-2576517	-3572549	0.142	Si
255	30.41	6.9	11.4	5.4	997064	SLV 5	997064	1515842	0.097	-2576517	SLV 11	-2576517	-3572549	0.142	Si
259	30.41	6.9	11.4	5.4	1037417	SLV 5	1033816	1515842	0.097	-2659660	SLV 11	-2652292	-3572549	0.142	Si
277	30.41	6.9	11.4	5.4	1222031	SLV 5	1110514	1515842	0.097	-3046224	SLV 11	-2810426	-3572549	0.142	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	1271067	SLD 11	1156500	2322809	0.092	-632009	SLD 5	-592884	-2322809	0.092	Si
18	19.01	5.4	19.01	5.4	1081446	SLD 11	1077747	2322809	0.092	-568871	SLD 5	-567717	-2322809	0.092	Si
23	19.01	5.4	19.01	5.4	1040010	SLD 11	1040010	2322809	0.092	-555657	SLD 5	-555657	-2322809	0.092	Si
37	19.01	5.4	19.01	5.4	889133	SLD 11	1040010	2322809	0.092	-508432	SLD 5	-555657	-2322809	0.092	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
55	19.01	5.4	19.01	5.4	694132	SLD 11	999299	2322809	0.092	-450696	SLD 5	-542675	-2322809	0.092	Si
74	19.01	5.4	16.86	5.4	496449	SLD 11	805834	2068358	0.09	-395668	SLD 5	-483394	-2322978	0.093	Si
83	19.01	5.4	15.61	5.4	396608	SLD 11	708093	1920788	0.088	-369176	SLD 5	-454767	-2323124	0.094	Si
102	19.01	5.4	11.4	5.4	194966	SLD 11	510602	1422107	0.084	-318275	SLD 5	-399546	-2323557	0.097	Si
120	19.01	5.4	11.4	5.4	-8497	SLD 11	310449	1422107	0.084	-270943	SLD 5	-347055	-2323557	0.097	Si
139	19.01	5.4	11.4	5.4	-177158	SLD 3	107760	1422107	0.084	-263804	SLD 13	-548139	-2323557	0.097	Si
157	19.01	5.4	11.4	5.4						-427104	SLD 11	-762138	-2323557	0.097	Si
176	19.01	5.4	11.4	5.4						-639488	SLD 11	-978876	-2323557	0.097	Si
194	24.97	6.4	11.4	5.4						-854668	SLD 11	-1198325	-2981226	0.112	Si
203	26.28	6.5	11.4	5.4						-963280	SLD 11	-1309064	-3125059	0.115	Si
222	28.9	6.8	11.4	5.4						-1182536	SLD 11	-1532566	-3410096	0.131	Si
240	30.41	6.9	11.4	5.4	-21189	SLD 5	981	1515842	0.097	-1404496	SLD 11	-1580434	-3572549	0.142	Si
255	30.41	6.9	11.4	5.4	981	SLD 5	981	1515842	0.097	-1580434	SLD 11	-1580434	-3572549	0.142	Si
259	30.41	6.9	11.4	5.4	6911	SLD 5	6368	1515842	0.097	-1629155	SLD 11	-1624844	-3572549	0.142	Si
277	30.41	6.9	11.4	5.4	32318	SLD 5	17609	1515842	0.097	-1856511	SLD 11	-1717522	-3572549	0.142	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.1	0	-4870	SLU 30	-4870	-12741	-76908	0	-12741	1	Si
18	0	15.61	0	-5059	SLU 30	-5059	-12127	-76908	0	-12127	1	Si
23	0.215	15.61	0	-5100	SLU 30	-5100	-12127	-76908	-25009	-25009	1	Si
37	0.215	11.4	0	-5249	SLU 30	-5249	-10922	-76908	-25009	-25009	1	Si
55	0.215	11.4	0	-5438	SLU 30	-5438	-10922	-76908	-25009	-25009	1	Si
74	0.215	11.4	0	-5627	SLU 30	-5627	-10922	-76908	-25009	-25009	1	Si
83	0.215	11.4	0	-5722	SLU 30	-5722	-10922	-76908	-25009	-25009	1	Si
102	0.217	19.01	0	-5911	SLU 30	-5911	-12949	-76908	-25234	-25234	1	Si
120	0.217	19.01	0	-6101	SLU 30	-6101	-12949	-76908	-25234	-25234	1	Si
139	0.217	19.01	0	-6290	SLU 30	-6290	-12949	-76908	-25234	-25234	1	Si
157	0.217	19.01	0	-6480	SLU 30	-6480	-12949	-76908	-25234	-25234	1	Si
176	0.217	19.01	0	-6669	SLU 30	-6669	-12949	-76908	-25234	-25234	1	Si
194	0.23	19.01	0	-6858	SLU 30	-6858	-12856	-75771	-26282	-26282	1	Si
203	0.23	19.01	0	-6953	SLU 30	-6953	-12841	-75590	-26219	-26219	1	Si
222	0.23	19.01	0	-7142	SLU 30	-7142	-12815	-75279	-26111	-26111	1	Si
240	0.23	19.01	0	-7332	SLU 30	-7332	-12802	-75123	-26057	-26057	1	Si
255	0.23	24.97	0	-7480	SLU 30	-7480	-14021	-75123	-26057	-26057	1	Si
259	0	24.97	0	-7521	SLU 30	-7521	-14021	-75123	0	-14021	1	Si
277	0	27.59	0	-7711	SLU 30	-7711	-14495	-75123	0	-14495	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	12093	SLV 5	16106	12949	76908	0	12949	1	Si
0	0	18.1	0	-18784	SLV 11	-22798	-12741	-76908	0	-12741	1	Si
18	0	19.01	0	11947	SLV 5	15961	12949	76908	0	12949	1	Si
18	0	15.61	0	-18930	SLV 11	-22943	-12127	-76908	0	-12127	1	Si
23	0.215	19.01	0	11915	SLV 5	15929	12949	76908	25009	25009	1	Si
23	0.215	15.61	0	-18961	SLV 11	-22975	-12127	-76908	-25009	-25009	1	Si
37	0.215	19.01	0	11801	SLV 5	15815	12949	76908	25009	25009	1	Si
37	0.215	11.4	0	-19075	SLV 11	-23089	-10922	-76908	-25009	-25009	1	Si
55	0.215	19.01	0	11655	SLV 5	15669	12949	76908	25009	25009	1	Si
55	0.215	11.4	0	-19221	SLV 11	-23235	-10922	-76908	-25009	-25009	1	Si
74	0.215	19.01	0	11510	SLV 5	15524	12949	76908	25009	25009	1	Si
74	0.215	11.4	0	-19367	SLV 11	-23381	-10922	-76908	-25009	-25009	1	Si
83	0.215	19.01	0	11437	SLV 5	15451	12949	76908	25009	25009	1	Si
83	0.215	11.4	0	-19439	SLV 11	-23453	-10922	-76908	-25009	-25009	1	Si
102	0.217	19.01	0	11291	SLV 5	15305	12949	76908	25234	25234	1	Si
102	0.217	11.4	0	-19585	SLV 11	-23599	-10922	-76908	-25234	-25234	1	Si
120	0.217	19.01	0	11146	SLV 5	15160	12949	76908	25234	25234	1	Si
120	0.217	11.4	0	-19731	SLV 11	-23745	-10922	-76908	-25234	-25234	1	Si
139	0.217	19.01	0	11000	SLV 5	15014	12949	76908	25234	25234	1	Si
139	0.217	19.01	0	-19876	SLV 11	-23890	-12949	-76908	-25234	-25234	1	Si
157	0.217	19.01	0	10854	SLV 5	14868	12949	76908	25234	25234	1	Si
157	0.217	19.01	0	-20022	SLV 11	-24036	-12949	-76908	-25234	-25234	1	Si
176	0.217	11.4	0	10709	SLV 5	14722	10922	76908	25234	25234	1	Si
176	0.217	19.01	0	-20168	SLV 11	-24182	-12949	-76908	-25234	-25234	1	Si
194	0.23	11.4	0	10563	SLV 5	14577	10922	76908	26676	26676	1	Si
194	0.23	19.01	0	-20314	SLV 11	-24327	-12856	-75771	-26282	-26282	1	Si
203	0.23	11.4	0	10490	SLV 5	14504	10922	76908	26676	26676	1	Si
203	0.23	19.01	0	-20386	SLV 11	-24400	-12841	-75590	-26219	-26219	1	Si
222	0.23	11.4	0	10344	SLV 5	14358	10922	76908	26676	26676	1	Si
222	0.23	19.01	0	-20532	SLV 11	-24546	-12815	-75279	-26111	-26111	1	Si
240	0.23	11.4	0	10199	SLV 5	14213	10922	76908	26676	26676	1	Si
240	0.23	19.01	0	-20678	SLV 11	-24692	-12802	-75123	-26057	-26057	1	Si
255	0.23	11.4	0	10084	SLV 5	14098	10922	76908	26676	26676	1	Si
255	0.23	24.97	0	-20792	SLV 11	-24806	-14021	-75123	-26057	-26057	1	Si
259	0	11.4	0	10053	SLV 5	14067	10922	76908	0	10922	1	Si
259	0	24.97	0	-20823	SLV 11	-24837	-14021	-75123	0	-14021	1	Si
277	0	11.4	0	9907	SLV 5	13921	10922	76908	0	10922	1	Si
277	0	27.59	0	-20969	SLV 11	-24983	-14495	-75123	0	-14495	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	3486	SLD 5	3486	12949	76908	0	12949	1	Si
0	0	18.1	0	-10177	SLD 11	-10177	-12741	-76908	0	-12741	1	Si
18	0	19.01	0	3341	SLD 5	3341	12949	76908	0	12949	1	Si
18	0	15.61	0	-10323	SLD 11	-10323	-12127	-76908	0	-12127	1	Si
23	0.215	19.01	0	3309	SLD 5	3309	12949	76908	25009	25009	1	Si
23	0.215	15.61	0	-10355	SLD 11	-10355	-12127	-76908	-25009	-25009	1	Si
37	0.215	19.01	0	3195	SLD 5	3195	12949	76908	25009	25009	1	Si
37	0.215	11.4	0	-10469	SLD 11	-10469	-10922	-76908	-25009	-25009	1	Si
55	0.215	19.01	0	3049	SLD 5	3049	12949	76908	25009	25009	1	Si
55	0.215	11.4	0	-10615	SLD 11	-10615	-10922	-76908	-25009	-25009	1	Si
74	0.215	19.01	0	2903	SLD 5	2903	12949	76908	25009	25009	1	Si
74	0.215	11.4	0	-10760	SLD 11	-10760	-10922	-76908	-25009	-25009	1	Si
83	0.215	19.01	0	2831	SLD 5	2831	12949	76908	25009	25009	1	Si
83	0.215	11.4	0	-10833	SLD 11	-10833	-10922	-76908	-25009	-25009	1	Si
102	0.217	19.01	0	2685	SLD 5	2685	12949	76908	25234	25234	1	Si
102	0.217	11.4	0	-10979	SLD 11	-10979	-10922	-76908	-25234	-25234	1	Si
120	0.217	19.01	0	2539	SLD 5	2539	12949	76908	25234	25234	1	Si
120	0.217	19.01	0	-11124	SLD 11	-11124	-12949	-76908	-25234	-25234	1	Si
139	0.217	19.01	0	2394	SLD 5	2394	12949	76908	25234	25234	1	Si
139	0.217	19.01	0	-11270	SLD 11	-11270	-12949	-76908	-25234	-25234	1	Si
157	0.217	19.01	0	2248	SLD 5	2248	12949	76908	25234	25234	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
157	0.217	19.01	0	-11416	SLD 11	-11416	-12949	-76908	-25234	-25234	1	Si
176	0.217	19.01	0	2102	SLD 5	2102	12949	76908	25234	25234	1	Si
176	0.217	19.01	0	-11562	SLD 11	-11562	-12949	-76908	-25234	-25234	1	Si
194	0.23	19.01	0	1957	SLD 5	1957	12856	75771	26282	26282	1	Si
194	0.23	19.01	0	-11707	SLD 11	-11707	-12856	-75771	-26282	-26282	1	Si
203	0.23	19.01	0	1884	SLD 5	1884	12841	75590	26219	26219	1	Si
203	0.23	19.01	0	-11780	SLD 11	-11780	-12841	-75590	-26219	-26219	1	Si
222	0.23	19.01	0	1738	SLD 5	1738	12815	75279	26111	26111	1	Si
222	0.23	19.01	0	-11926	SLD 11	-11926	-12815	-75279	-26111	-26111	1	Si
240	0.23	19.01	0	1592	SLD 5	1592	12802	75123	26057	26057	1	Si
240	0.23	19.01	0	-12071	SLD 11	-12071	-12802	-75123	-26057	-26057	1	Si
255	0.23	11.4	0	1478	SLD 5	1478	10922	76908	26676	26676	1	Si
255	0.23	24.97	0	-12186	SLD 11	-12186	-14021	-75123	-26057	-26057	1	Si
259	0	11.4	0	1447	SLD 5	1447	10922	76908	0	10922	1	Si
259	0	24.97	0	-12217	SLD 11	-12217	-14021	-75123	0	-14021	1	Si
277	0	11.4	0	1301	SLD 5	1301	10922	76908	0	10922	1	Si
277	0	27.59	0	-12363	SLD 11	-12363	-14495	-75123	0	-14495	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	340034	3	299722	7.9	124.5	270	1837	319529	2	281808	7.4	93.4	0	+∞	Si
18	272531	3	271177	7.1	124.5	244.3	1837	256287	2	255015	6.7	93.4	0	+∞	Si
23	257499	3	257499	6.8	124.5	232	1837	242176	2	242176	6.4	93.4	0	+∞	Si
37	202333	3	257499	6.8	124.5	232	1837	190350	2	242176	6.4	93.4	0	+∞	Si
55	129439	3	242729	6.4	124.5	218.7	1837	121718	2	228312	6	93.4	0	+∞	Si
74	53916	2	171376	4.7	124.5	173.3	1837	50390	2	161220	4.4	93.4	0	+∞	Si
83	15334	2	134688	3.8	124.5	146.7	1837	13716	2	126663	3.6	93.4	0	+∞	Si
102	-64920	9	-195203	5.6	124.5	177.2	1837	-61654	2	-185574	5.4	93.4	0	+∞	Si
120	-146914	3	-281765	8.1	124.5	255.7	1837	-139720	2	-267875	7.7	93.4	0	+∞	Si
139	-231936	3	-371022	10.7	124.5	336.7	1837	-220481	2	-352871	10.2	93.4	0	+∞	Si
157	-319654	3	-462975	13.4	124.5	420.2	1837	-303937	2	-440562	12.7	93.4	0	+∞	Si
176	-410066	3	-557623	16.1	124.5	506.1	1837	-390088	2	-530948	15.3	93.4	0	+∞	Si
194	-503174	3	-654966	17.8	124.5	475.6	1837	-478934	2	-624030	16.9	93.4	0	+∞	Si
203	-550739	3	-704648	18.9	124.5	490.5	1837	-524368	2	-671581	18	93.4	0	+∞	Si
222	-647890	3	-806034	21.1	124.5	518.6	1837	-617258	2	-768706	20.2	93.4	0	+∞	Si
240	-747735	3	-827960	21.5	124.5	510.5	1837	-712842	2	-789726	20.5	93.4	0	+∞	Si
255	-827960	3	-827960	21.5	124.5	510.5	1837	-789726	2	-789726	20.5	93.4	0	+∞	Si
259	-850277	3	-848311	22	124.5	523	1837	-811122	2	-809238	21	93.4	0	+∞	Si
277	-955513	3	-890781	23.1	124.5	549.2	1837	-912097	2	-849956	22	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
23	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
37	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
55	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
74	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	1	-0.006	1	9999	Si
83	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
102	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.009	1	9999	Si
120	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.01	1	-0.011	1	9999	Si
139	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.011	1	-0.012	1	9999	Si
157	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
176	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.013	1	-0.014	1	9999	Si
185	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.013	1	-0.014	1	9999	Si
194	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.013	1	-0.014	1	9999	Si
203	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.013	1	-0.013	1	9999	Si
222	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.011	1	-0.012	1	9999	Si
240	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.009	1	-0.009	1	9999	Si
255	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
259	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	1	-0.005	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-3523	-19452	-25009	SLV 11	0.4	907	1.104	242176	1802890	2322809	SLV 11	0.42	1012	1.155	Si
37	-3637	-19452	-25009	SLV 11	0.4	895	1.098	242176	1802890	2322809	SLV 11	0.42	1012	1.155	Si
55	-3783	-19452	-25009	SLV 11	0.4	880	1.091	228312	1742224	2322809	SLV 11	0.43	1128	1.208	Si
74	-3928	-19452	-25009	SLV 11	0.39	866	1.084	161220	1456654	2068358	SLV 11	0.47	1413	1.324	Si
83	-4001	-19452	-25009	SLV 11	0.39	858	1.079	126663	1313876	1920788	SLV 11	0.49	1581	1.387	Si
102	-4147	-19452	-25234	SLV 11	0.39	866	1.084	55528	1028344	1422107	SLV 11	0.48	1470	1.346	Si
120	-4293	-19452	-25234	SLV 11	0.39	852	1.076	-18303	742890	1422107	SLV 11	0.57	2474	1.666	Si
139	-4438	-19452	-25234	SLV 11	0.39	837	1.069	-94828	457795	1422107	SLV 11	0.57	2474	1.666	Si
157	-4584	-19452	-25234	SLV 11	0.39	823	1.061	-440562	726679	1422107	SLV 5	0.57	2474	1.666	Si
176	-4730	-19452	-25234	SLV 11	0.38	809	1.054	-530948	-1012200	-2323557	SLV 11	0.57	2474	1.666	Si
194	-4875	-19452	-26282	SLV 11	0.4	899	1.1	-624030	1297758	1471377	SLV 5	0.57	2474	1.666	Si
203	-4948	-19452	-26219	SLV 11	0.4	885	1.093	-671581	1440543	1482170	SLV 5	0.53	2015	1.532	Si
222	-5094	-19452	-26111	SLV 11	0.39	859	1.08	-768706	1726123	1503525	SLV 5	0.47	1434	1.333	Si
240	-5240	-19452	-26057	SLV 11	0.39	839	1.07	-789726	1786790	1515842	SLV 5	0.46	1360	1.304	Si
255	-5354	-19452	-26057	SLV 11	0.39	828	1.064	-789726	1786790	1515842	SLV 5	0.46	1360	1.304	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-3523	-6832	-25009	SLD 11	0.42	1039	2.938	242176	797834	2322809	SLD 11	0.35	653	2.429	Si
37	-3637	-6832	-25009	SLD 11	0.42	1023	2.919	242176	797834	2322809	SLD 11	0.35	653	2.429	Si
55	-3783	-6832	-25009	SLD 11	0.42	1004	2.897	228312	770987	2322809	SLD 11	0.37	722	2.531	Si
74	-3928	-6832	-25009	SLD 11	0.41	987	2.877	161220	644614	2068358	SLD 11	0.4	889	2.756	Si
83	-4001	-6832	-25009	SLD 11	0.41	977	2.865	126663	581430	1920788	SLD 11	0.41	987	2.877	Si
102	-4147	-6832	-25234	SLD 11	0.41	987	2.877	55528	455074	1422107	SLD 11	0.4	922	2.797	Si
120	-4293	-6832	-25234	SLD 11	0.41	970	2.856	-18303	328752	1422107	SLD 11	0.58	2474	4.193	Si
139	-4438	-6832	-25234	SLD 11	0.41	953	2.836	-94828	202589	1422107	SLD 11	0.6	2474	4.193	Si
157	-4584	-6832	-25234	SLD 11	0.41	937	2.816	-440562	321576	1422107	SLD 5	0.6	2474	4.193	Si
176	-4730	-6832	-25234	SLD 11	0.4	921	2.796	-530948	-447928	-2323557	SLD 11	0.53	1976	3.824	Si
194	-4875	-6832	-26282	SLD 11	0.42	1029	2.926	-624030	574296	1471377	SLD 5	0.49	1543	3.455	Si
203	-4948	-6832	-26219	SLD 11	0.42	1011	2.905	-671581	637483	1482170	SLD 5	0.45	1258	3.178	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
222	-5094	-6832	-26111	SLD 11	0.41	978	2.866	-768706	763860	1503525	SLD 5	0.4	901	2.771	Si
240	-5240	-6832	-26057	SLD 11	0.41	955	2.838	-789726	790707	1515842	SLD 5	0.39	858	2.716	Si
255	-5354	-6832	-26057	SLD 11	0.41	942	2.822	-789726	790707	1515842	SLD 5	0.39	858	2.716	Si

Campata 6 tra i fili 62 - 59, sezione R 45x70, asta 974

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	6.9	11.4	5.4						-1519494	SLU 30	-1412657	-3572549	0.142	Si
19	30.41	6.9	11.4	5.4						-1339175	SLU 30	-1336934	-3572549	0.142	Si
23	30.41	6.9	11.4	5.4						-1308305	SLU 30	-1308305	-3572549	0.142	Si
38	30.41	6.9	11.4	5.4						-1162616	SLU 30	-1308305	-3572549	0.142	Si
58	28.61	6.7	11.4	5.4						-989818	SLU 30	-1253389	-3379569	0.128	Si
77	25.9	6.5	11.4	5.4						-820781	SLU 30	-1078648	-3083639	0.114	Si
86	24.55	6.3	11.4	5.4						-737673	SLU 30	-992687	-2934553	0.111	Si
105	17.65	5.4	11.4	5.4						-574277	SLU 30	-823588	-2162987	0.094	Si
125	14.94	5.4	11.4	5.4						-414643	SLU 30	-658249	-1841767	0.089	Si
144	12.23	5.4	11.4	5.4						-258769	SLU 30	-496671	-1520266	0.085	Si
163	9.6	5.4	11.4	5.4	-67965	SLU 1	116861	1422093	0.084	-106656	SLU 30	-338854	-1207635	0.081	Si
182	10.5	5.4	11.4	5.4	41696	SLU 30	259509	1422094	0.084	26487	SLU 1	-184797	-1314875	0.082	Si
201	11.4	5.4	17.78	5.4	186288	SLU 30	398396	2178674	0.095	118046	SLU 1	-34502	-1422106	0.084	Si
220	14.8	5.4	21.66	5.4	327118	SLU 30	533522	2636792	0.099						Si
230	15.71	5.4	22.81	5.4	396123	SLU 30	599675	2773137	0.1						Si
249	17.51	5.4	22.81	5.4	531312	SLU 30	640047	2772922	0.098						Si
265	19.01	5.4	22.81	5.4	640047	SLU 30	640047	2772814	0.097						Si
268	19.01	5.4	22.81	5.4	662741	SLU 30	661014	2772814	0.097						Si
288	19.01	5.4	22.81	5.4	790408	SLU 30	716470	2772814	0.097						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	6.9	11.4	5.4	1163532	SLV 7	1069257	1515842	0.097	-3324496	SLV 9	-3077108	-3572549	0.142	Si
19	30.41	6.9	11.4	5.4	1001559	SLV 7	999418	1515842	0.097	-2904278	SLV 9	-2898937	-3572549	0.142	Si
23	30.41	6.9	11.4	5.4	973014	SLV 7	973014	1515842	0.097	-2831575	SLV 9	-2831575	-3572549	0.142	Si
38	30.41	6.9	11.4	5.4	836706	SLV 7	973014	1515842	0.097	-2486966	SLV 9	-2831575	-3572549	0.142	Si
58	28.61	6.7	11.4	5.4	668982	SLV 7	922233	1501223	0.095	-2072569	SLV 9	-2702238	-3379569	0.128	Si
77	25.9	6.5	11.4	5.4	498399	SLV 7	755991	1479082	0.091	-1661099	SLV 9	-2286334	-3083639	0.114	Si
86	24.55	6.3	11.4	5.4	412044	SLV 7	671794	1467911	0.09	-1456471	SLV 9	-2079476	-2934553	0.111	Si
105	17.65	5.4	11.4	5.4	237244	SLV 7	501259	1422107	0.084	-1049464	SLV 9	-1667957	-2162987	0.094	Si
125	14.94	5.4	11.4	5.4	59835	SLV 7	327895	1422107	0.084	-645633	SLV 9	-1259396	-1841767	0.089	Si
144	12.23	5.4	11.4	5.4	-20934	SLV 3	384428	1422094	0.084	-344227	SLV 13	-853880	-1520266	0.085	Si
163	9.6	5.4	11.4	5.4	202263	SLV 5	759096	1422093	0.084	-352574	SLV 11	-594611	-1207635	0.081	Si
182	10.5	5.4	11.4	5.4	561303	SLV 9	1148002	1422094	0.084	-502550	SLV 7	-783229	-1314875	0.082	Si
192	10.95	5.4	11.4	5.4	752606	SLV 9	1342156	1422094	0.084	-591491	SLV 7	-879408	-1368482	0.083	Si
201	11.4	5.4	17.78	5.4	946952	SLV 9	1535734	2178674	0.095	-684921	SLV 7	-976458	-1422106	0.084	Si
220	14.8	5.4	21.66	5.4	1335691	SLV 9	1920926	2636792	0.099	-876168	SLV 7	-1172933	-1824914	0.087	Si
230	15.71	5.4	22.81	5.4	1529291	SLV 9	2112492	2773137	0.1	-973191	SLV 7	-1272310	-1931884	0.088	Si
249	17.51	5.4	22.81	5.4	1914529	SLV 9	2230609	2772922	0.098	-1169616	SLV 7	-1334248	-2145852	0.089	Si
265	19.01	5.4	22.81	5.4	2230609	SLV 9	2230609	2772814	0.097	-1334248	SLV 7	-1334248	-2322640	0.091	Si
268	19.01	5.4	22.81	5.4	2297005	SLV 9	2292077	2772814	0.097	-1369064	SLV 7	-1366546	-2322640	0.091	Si
288	19.01	5.4	22.81	5.4	2676650	SLV 9	2454658	2772814	0.097	-1571468	SLV 7	-1451975	-2322640	0.091	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	6.9	11.4	5.4						-2073527	SLD 9	-1921373	-3572549	0.142	Si
19	30.41	6.9	11.4	5.4						-1815586	SLD 9	-1812331	-3572549	0.142	Si
23	30.41	6.9	11.4	5.4						-1771105	SLD 9	-1771105	-3572549	0.142	Si
38	30.41	6.9	11.4	5.4						-1560544	SLD 9	-1771105	-3572549	0.142	Si
58	28.61	6.7	11.4	5.4						-1308405	SLD 9	-1691973	-3379569	0.128	Si
77	25.9	6.5	11.4	5.4						-1059173	SLD 9	-1438333	-3083639	0.114	Si
86	24.55	6.3	11.4	5.4						-935652	SLD 9	-1312602	-2934553	0.111	Si
105	17.65	5.4	11.4	5.4						-690814	SLD 9	-1063322	-2162987	0.094	Si
125	14.94	5.4	11.4	5.4						-448995	SLD 9	-816964	-1841767	0.089	Si
144	12.23	5.4	11.4	5.4	-111046	SLD 3	158528	1422094	0.084	-254115	SLD 13	-573565	-1520266	0.085	Si
163	9.6	5.4	11.4	5.4	47610	SLD 5	381770	1422093	0.084	-197921	SLD 11	-345616	-1207635	0.081	Si
182	10.5	5.4	11.4	5.4	264769	SLD 9	609700	1422094	0.084	-206016	SLD 7	-244927	-1314875	0.082	Si
201	11.4	5.4	17.78	5.4	492091	SLD 9	835498	2178674	0.095	-230060	SLD 7	-276222	-1422106	0.084	Si
220	14.8	5.4	21.66	5.4	719168	SLD 9	1058559	2636792	0.099	-259645	SLD 7	-310566	-1824914	0.087	Si
230	15.71	5.4	22.81	5.4	831761	SLD 9	1169029	2773137	0.1	-275662	SLD 7	-328847	-1931884	0.088	Si
249	17.51	5.4	22.81	5.4	1054870	SLD 9	1236959	2772922	0.098	-309957	SLD 7	-340598	-2145852	0.089	Si
265	19.01	5.4	22.81	5.4	1236959	SLD 9	1236959	2772814	0.097	-340598	SLD 7	-340598	-2322640	0.091	Si
268	19.01	5.4	22.81	5.4	1275143	SLD 9	1272290	2772814	0.097	-347203	SLD 7	-346760	-2322640	0.091	Si
288	19.01	5.4	22.81	5.4	1492551	SLD 9	1365743	2772814	0.097	-387369	SLD 7	-363060	-2322640	0.091	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	27.26	0	9506	SLU 30	9506	14437	75123	0	14437	1	Si
19	0	24.55	0	9310	SLU 30	9310	13941	75123	0	13941	1	Si
23	0.23	24.55	0	9276	SLU 30	9276	13941	75123	26057	26057	1	Si
38	0.23	17.65	0	9114	SLU 30	9114	12490	75123	26057	26057	1	Si
58	0.23	14.94	0	8917	SLU 30	8917	11829	75310	26122	26122	1	Si
77	0.23	12.23	0	8721	SLU 30	8721	11090	75641	26237	26237	1	Si
86	0.23	9.15	0	8623	SLU 30	8623	10078	75833	26304	26304	1	Si
105	0.226	10.05	0	8427	SLU 30	8427	10471	76908	26188	26188	1	Si
125	0.226	10.95	0	8231	SLU 30	8231	10776	76908	26188	26188	1	Si
144	0.226	11.4	0	8034	SLU 30	8034	10922	76908	26188	26188	1	Si
163	0.226	15.71	0	7838	SLU 30	7838	12152	76908	26188	26188	1	Si
182	0.226	11.4	0	7642	SLU 30	7642	10922	76908	26188	26188	1	Si
201	0.215	11.4	0	7446	SLU 30	7446	10922	76908	25009	25009	1	Si
220	0.215	11.4	0	7250	SLU 30	7250	10922	76908	25009	25009	1	Si
230	0.215	11.4	0	7151	SLU 30	7151	10922	76908	25009	25009	1	Si
249	0.215	11.4	0	6955	SLU 30	6955	10922	76908	25009	25009	1	Si
265	0.215	17.78	0	6793	SLU 30	6793	12665	76908	25009	25009	1	Si
268	0	17.78	0	6759	SLU 30	6759	12665	76908	0	12665	1	Si
288	0	21.66	0	6563	SLU 30	6563	13525	76908	0	13525	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	27.26	0	22002	SLV 9	25952	14437	75123	0	14437	1	Si
0	0	11.4	0	-8378	SLV 7	-12327	-10922	-76908	0	-10922	1	Si
19	0	24.55	0	21851	SLV 9	25801	13941	75123	0	13941	1	Si
19	0	11.4	0	-8529	SLV 7	-12478	-10922	-76908	0	-10922	1	Si
23	0.23	24.55	0	21825	SLV 9	25775	13941	75123	26057	26057	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
23	0.23	11.4	0	-8555	SLV 7	-12504	-10922	-76908	-26676	-26676	1	Si
38	0.23	17.65	0	21700	SLV 9	25650	12490	75123	26057	26057	1	Si
38	0.23	11.4	0	-8680	SLV 7	-12629	-10922	-76908	-26676	-26676	1	Si
58	0.23	14.94	0	21550	SLV 9	25499	11829	75310	26122	26122	1	Si
58	0.23	11.4	0	-8831	SLV 7	-12780	-10922	-76908	-26676	-26676	1	Si
77	0.23	12.23	0	21399	SLV 9	25348	11090	75641	26237	26237	1	Si
77	0.23	11.4	0	-8982	SLV 7	-12931	-10922	-76908	-26676	-26676	1	Si
86	0.23	9.15	0	21323	SLV 9	25273	10078	75833	26304	26304	1	Si
86	0.23	11.4	0	-9057	SLV 7	-13006	-10922	-76908	-26676	-26676	1	Si
105	0.226	10.05	0	21172	SLV 9	25122	10471	76908	26188	26188	1	Si
105	0.226	11.4	0	-9208	SLV 7	-13157	-10922	-76908	-26188	-26188	1	Si
125	0.226	10.95	0	21021	SLV 9	24971	10776	76908	26188	26188	1	Si
125	0.226	11.4	0	-9359	SLV 7	-13308	-10922	-76908	-26188	-26188	1	Si
144	0.226	11.4	0	20870	SLV 9	24820	10922	76908	26188	26188	1	Si
144	0.226	11.4	0	-9510	SLV 7	-13459	-10922	-76908	-26188	-26188	1	Si
163	0.226	11.4	0	20719	SLV 9	24669	10922	76908	26188	26188	1	Si
163	0.226	15.71	0	-9661	SLV 7	-13610	-12152	-76908	-26188	-26188	1	Si
182	0.226	11.4	0	20568	SLV 9	24518	10922	76908	26188	26188	1	Si
182	0.226	16.3	0	-9812	SLV 7	-13761	-12302	-76908	-26188	-26188	1	Si
201	0.215	11.4	0	20417	SLV 9	24367	10922	76908	25009	25009	1	Si
201	0.215	13.59	0	-9963	SLV 7	-13912	-11578	-76908	-25009	-25009	1	Si
220	0.215	11.4	0	20267	SLV 9	24216	10922	76908	25009	25009	1	Si
220	0.215	9.15	0	-10114	SLV 7	-14063	-10147	-76908	-25009	-25009	1	Si
230	0.215	11.4	0	20191	SLV 9	24140	10922	76908	25009	25009	1	Si
230	0.215	9.6	0	-10189	SLV 7	-14138	-10312	-76908	-25009	-25009	1	Si
249	0.215	11.4	0	20040	SLV 9	23990	10922	76908	25009	25009	1	Si
249	0.215	10.5	0	-10340	SLV 7	-14289	-10625	-76908	-25009	-25009	1	Si
265	0.215	17.78	0	19915	SLV 9	23865	12665	76908	25009	25009	1	Si
265	0.215	11.4	0	-10465	SLV 7	-14414	-10922	-76908	-25009	-25009	1	Si
268	0	17.78	0	19889	SLV 9	23839	12665	76908	0	12665	1	Si
268	0	11.4	0	-10491	SLV 7	-14440	-10922	-76908	0	-10922	1	Si
288	0	21.66	0	19738	SLV 9	23688	13525	76908	0	13525	1	Si
288	0	14.8	0	-10642	SLV 7	-14591	-11914	-76908	0	-11914	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	27.26	0	13534	SLD 9	13534	14437	75123	0	14437	1	Si
19	0	24.55	0	13383	SLD 9	13383	13941	75123	0	13941	1	Si
19	0	24.55	0	-61	SLD 7	-61	-13941	-75123	0	-13941	1	Si
23	0.23	24.55	0	13357	SLD 9	13357	13941	75123	26057	26057	1	Si
23	0.23	24.55	0	-87	SLD 7	-87	-13941	-75123	-26057	-26057	1	Si
38	0.23	17.65	0	13232	SLD 9	13232	12490	75123	26057	26057	1	Si
38	0.23	17.65	0	-212	SLD 7	-212	-12490	-75123	-26057	-26057	1	Si
58	0.23	14.94	0	13082	SLD 9	13082	11829	75310	26122	26122	1	Si
58	0.23	14.94	0	-363	SLD 7	-363	-11829	-75310	-26122	-26122	1	Si
77	0.23	12.23	0	12931	SLD 9	12931	11090	75641	26237	26237	1	Si
77	0.23	12.23	0	-514	SLD 7	-514	-11090	-75641	-26237	-26237	1	Si
86	0.23	9.15	0	12855	SLD 9	12855	10078	75833	26304	26304	1	Si
86	0.23	9.15	0	-589	SLD 7	-589	-10078	-75833	-26304	-26304	1	Si
105	0.226	10.05	0	12704	SLD 9	12704	10471	76908	26188	26188	1	Si
105	0.226	10.05	0	-740	SLD 7	-740	-10471	-76908	-26188	-26188	1	Si
125	0.226	10.95	0	12553	SLD 9	12553	10776	76908	26188	26188	1	Si
125	0.226	10.95	0	-891	SLD 7	-891	-10776	-76908	-26188	-26188	1	Si
144	0.226	11.4	0	12402	SLD 9	12402	10922	76908	26188	26188	1	Si
144	0.226	11.4	0	-1042	SLD 7	-1042	-10922	-76908	-26188	-26188	1	Si
163	0.226	11.4	0	12251	SLD 9	12251	10922	76908	26188	26188	1	Si
163	0.226	15.71	0	-1193	SLD 7	-1193	-12152	-76908	-26188	-26188	1	Si
182	0.226	11.4	0	12100	SLD 9	12100	10922	76908	26188	26188	1	Si
182	0.226	16.3	0	-1344	SLD 7	-1344	-12302	-76908	-26188	-26188	1	Si
201	0.215	11.4	0	11949	SLD 9	11949	10922	76908	25009	25009	1	Si
201	0.215	13.59	0	-1495	SLD 7	-1495	-11578	-76908	-25009	-25009	1	Si
220	0.215	11.4	0	11799	SLD 9	11799	10922	76908	25009	25009	1	Si
220	0.215	9.15	0	-1646	SLD 7	-1646	-10147	-76908	-25009	-25009	1	Si
230	0.215	11.4	0	11723	SLD 9	11723	10922	76908	25009	25009	1	Si
230	0.215	9.6	0	-1721	SLD 7	-1721	-10312	-76908	-25009	-25009	1	Si
249	0.215	11.4	0	11572	SLD 9	11572	10922	76908	25009	25009	1	Si
249	0.215	10.5	0	-1872	SLD 7	-1872	-10625	-76908	-25009	-25009	1	Si
265	0.215	17.78	0	11447	SLD 9	11447	12665	76908	25009	25009	1	Si
265	0.215	11.4	0	-1997	SLD 7	-1997	-10922	-76908	-25009	-25009	1	Si
268	0	17.78	0	11421	SLD 9	11421	12665	76908	0	12665	1	Si
268	0	11.4	0	-2023	SLD 7	-2023	-10922	-76908	0	-10922	1	Si
288	0	21.66	0	11270	SLD 9	11270	13525	76908	0	13525	1	Si
288	0	14.8	0	-2174	SLD 7	-2174	-11914	-76908	0	-11914	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1131821	3	-1052002	27.3	124.5	648.6	1837	-1080482	2	-1003925	26	93.4	0	+∞	Si
19	-997141	3	-995469	25.8	124.5	613.7	1837	-951359	2	-949759	24.6	93.4	0	+∞	Si
23	-974095	3	-974095	25.2	124.5	600.6	1837	-929281	2	-929281	24.1	93.4	0	+∞	Si
38	-865353	3	-974095	25.2	124.5	600.6	1837	-825130	2	-929281	24.1	93.4	0	+∞	Si
58	-736459	3	-933098	24.5	124.5	605.2	1837	-701794	2	-890003	23.4	93.4	0	+∞	Si
77	-610457	3	-802708	21.6	124.5	565.5	1837	-581350	2	-765172	20.6	93.4	0	+∞	Si
86	-548541	3	-738599	20.1	124.5	543.9	1837	-522214	2	-703841	19.2	93.4	0	+∞	Si
105	-426879	3	-612549	18.1	124.5	596.8	1837	-406110	2	-583349	17.3	93.4	0	+∞	Si
125	-308110	3	-489392	15.3	124.5	559.7	1837	-292899	2	-465750	14.6	93.4	0	+∞	Si
144	-192234	3	-369128	12.4	124.5	512	1837	-182581	2	-351045	11.8	93.4	0	+∞	Si
163	-79251	3	-251757	9.2	124.5	441.7	1837	-75156	2	-239232	8.8	93.4	0	+∞	Si
182	30839	3	192280	6.7	124.5	285.6	1837	29376	2	182387	6.4	93.4	0	+∞	Si
201	138036	3	295089	8.7	124.5	285.5	1837	131015	2	279638	8.3	93.4	0	+∞	Si
220	242341	3	395005	10.5	124.5	315.1	1837	229762	2	373996	9.9	93.4	0	+∞	Si
230	293408	3	443879	11.5	124.5	336.6	1837	278050	2	420091	10.9	93.4	0	+∞	Si
249	393373	3	473688	12	124.5	358.5	1837	372456	2	448180	11.3	93.4	0	+∞	Si
265	473688	3	473688	11.8	124.5	358	1837	448180	2	448180	11.1	93.4	0	+∞	Si
268	490445	3	489168	12.2	124.5	369.7	1837	463970	2	462765	11.5	93.4	0	+∞	Si
288	584623	3	530111	13.2	124.5	400.7	1837	552591	2	501341	12.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
19	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
23	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
38	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	1	-0.01	1	9999	Si
58	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.012	1	-0.013	1	9999	Si
77	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.013	1	-0.014	1	9999	Si
86	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.014	1	-0.015	1	9999	Si
105	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.013	1	-0.014	1	9999	Si
125	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.012	1	-0.013	1	9999	Si
144	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
163	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
182	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
201	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
220	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
230	0	-0.001	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.002	1	-0.002	1	9999	Si
249	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
265	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
268	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	6635	19139	26057	SLV 9	0.37	737	1.014	-929281	1902295	1515842	SLV 7	0.46	1346	1.298	Si
38	6510	19139	26057	SLV 9	0.37	749	1.021	-929281	1902295	1515842	SLV 7	0.46	1346	1.298	Si
58	6359	19139	26122	SLV 9	0.38	769	1.032	-890003	1812235	1501223	SLV 7	0.47	1443	1.336	Si
77	6209	19139	26237	SLV 9	0.38	795	1.046	-765172	1521162	1479082	SLV 7	0.53	1945	1.51	Si
86	6133	19139	26304	SLV 9	0.38	809	1.054	-703841	1375635	1467911	SLV 7	0.56	2331	1.626	Si
105	5982	19139	26188	SLV 9	0.38	812	1.055	-583349	-1084608	-2162987	SLV 9	0.52	1879	1.489	Si
125	5831	19139	26188	SLV 9	0.39	827	1.063	-465750	-793645	-1841767	SLV 9	0.57	2474	1.666	Si
144	5680	19139	26188	SLV 9	0.39	842	1.071	-351045	-502835	-1520266	SLV 9	0.57	2474	1.666	Si
163	5529	19139	26188	SLV 9	0.39	857	1.079	82242	-676853	-1207635	SLV 7	0.57	2474	1.666	Si
182	5378	19139	26188	SLV 9	0.39	873	1.087	182387	965615	1422094	SLV 9	0.46	1342	1.297	Si
201	5227	19139	25009	SLV 9	0.38	771	1.033	279638	-1256096	-1422106	SLV 7	0.49	1548	1.375	Si
220	5077	19139	25009	SLV 9	0.38	785	1.041	373996	-1546930	-1824914	SLV 7	0.51	1761	1.45	Si
230	5001	19139	25009	SLV 9	0.38	793	1.045	420091	-1692401	-1931884	SLV 7	0.5	1657	1.414	Si
249	4850	19139	25009	SLV 9	0.38	807	1.053	448180	1782429	2772922	SLV 9	0.47	1399	1.319	Si
265	4725	19139	25009	SLV 9	0.38	820	1.06	448180	1782429	2772814	SLV 9	0.47	1399	1.319	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	6635	6722	26057	SLD 9	0.39	839	2.691	-929281	841824	1515842	SLD 7	0.39	850	2.706	Si
38	6510	6722	26057	SLD 9	0.39	852	2.708	-929281	841824	1515842	SLD 7	0.39	850	2.706	Si
58	6359	6722	26122	SLD 9	0.39	875	2.738	-890003	801970	1501223	SLD 7	0.4	906	2.777	Si
77	6209	6722	26237	SLD 9	0.4	905	2.776	-765172	673162	1479082	SLD 7	0.45	1214	3.132	Si
86	6133	6722	26304	SLD 9	0.4	921	2.796	-703841	608761	1467911	SLD 7	0.47	1452	3.37	Si
105	5982	6722	26188	SLD 9	0.4	924	2.8	-583349	-479973	-2162987	SLD 9	0.44	1173	3.088	Si
125	5831	6722	26188	SLD 9	0.41	941	2.821	-465750	-351213	-1841767	SLD 9	0.52	1866	3.735	Si
144	5680	6722	26188	SLD 9	0.41	958	2.842	-351045	-222521	-1520266	SLD 9	0.6	2474	4.193	Si
163	5529	6722	26188	SLD 9	0.41	975	2.862	82242	-299527	-1207635	SLD 7	0.57	2404	4.144	Si
182	5378	6722	26188	SLD 9	0.42	996	2.887	182387	427313	1422094	SLD 9	0.39	848	2.703	Si
201	5227	6722	25009	SLD 9	0.4	877	2.741	279638	-555860	-1422106	SLD 7	0.41	966	2.851	Si
220	5077	6722	25009	SLD 9	0.4	894	2.762	373996	-684563	-1824914	SLD 7	0.43	1100	3.007	Si
230	5001	6722	25009	SLD 9	0.4	902	2.772	420091	-748938	-1931884	SLD 7	0.42	1035	2.933	Si
249	4850	6722	25009	SLD 9	0.4	918	2.792	448180	788778	2772922	SLD 9	0.4	881	2.746	Si
265	4725	6722	25009	SLD 9	0.41	933	2.811	448180	788778	2772814	SLD 9	0.4	881	2.746	Si

Campata 7 tra i fili 59 - 56, sezione R 45x70, asta 975

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	22.81	5.4	119082	SLU 30	119082	2772814	0.097						Si
19	19.01	5.4	22.81	5.4	171667	SLU 30	171667	2772814	0.097						Si
23	19.01	5.4	22.81	5.4	180843	SLU 30	253097	2772814	0.097						Si
38	17.55	5.4	22.81	5.4	220555	SLU 30	288176	2772954	0.098						Si
57	15.75	5.4	21.6	5.4	265748	SLU 30	327714	2630752	0.098						Si
67	14.86	5.4	19.69	5.4	286959	SLU 30	346097	2403646	0.095						Si
86	11.4	5.4	11.4	5.4	326608	SLU 30	380092	1422094	0.084						Si
105	10.51	5.4	11.4	5.4	362561	SLU 30	410391	1422094	0.084						Si
124	9.61	5.4	11.4	5.4	394819	SLU 30	436995	1422093	0.084						Si
143	7.6	5.4	11.4	5.4	423381	SLU 30	459902	1422093	0.084						Si
162	7.6	5.4	11.4	5.4	448247	SLU 30	479114	1422093	0.084						Si
181	7.6	5.4	11.4	5.4	469418	SLU 30	494630	1422093	0.084						Si
200	11.37	5.4	16.93	6.1	486893	SLU 30	506450	2054885	0.094						Si
209	12.26	5.4	18.2	6.1	494244	SLU 30	510975	2201262	0.096						Si
228	14.05	5.4	19.01	6.2	506176	SLU 30	517251	2292895	0.096						Si
247	15.21	5.4	19.01	6.2	514411	SLU 30	518285	2292825	0.095						Si
263	15.21	5.4	19.01	6.2	518285	SLU 30	518285	2292825	0.095						Si
266	15.21	5.4	19.01	6.2	518951	SLU 30	518858	2292825	0.095						Si
285	15.21	5.4	19.01	6.2	519795	SLU 30	519795	2292825	0.095						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	22.81	5.4	1988579	SLV 11	1862042	2772814	0.097	-1840858	SLV 5	-1666518	-2322640	0.091	Si
19	19.01	5.4	22.81	5.4	1772997	SLV 11	1769955	2772814	0.097	-1547105	SLV 5	-1543068	-2322640	0.091	Si
23	19.01	5.4	22.81	5.4	1732904	SLV 11	1732904	2772814	0.097	-1493398	SLV 5	-1493398	-2322640	0.091	Si
38	17.55	5.4	22.81	5.4	1554666	SLV 11	1732904	2772954	0.098	-1256289	SLV 5	-1493398	-2149586	0.089	Si
57	15.75	5.4	21.6	5.4	1333613	SLV 11	1670703	2630752	0.098	-968437	SLV 5	-1410075	-1937497	0.088	Si
67	14.86	5.4	19.69	5.4	1222078	SLV 11	1561236	2403646	0.095	-825634	SLV 5	-1264991	-1831479	0.087	Si
86	11.4	5.4	11.4	5.4	997024	SLV 11	1340265	1422094	0.084	-542309	SLV 5	-977050	-1422093	0.084	Si
105	10.51	5.4	11.4	5.4	769419	SLV 11	1116610	1422094	0.084	-262119	SLV 5	-692111	-1315805	0.082	Si
124	9.61	5.4	11.4	5.4	567848	SLV 15	890339	1422093	0.084	-13649	SLV 1	-410241	-1209502	0.081	Si
143	7.6	5.4	11.4	5.4	526202	SLV 13	811133	1422093	0.084	69211	SLV 3	-163707	-970824	0.078	Si
162	7.6	5.4	11.4	5.4	675291	SLV 9	1066109	1422093	0.084	-44349	SLV 7	-391854	-970824	0.078	Si
181	7.6	5.4	11.4	5.4	931210	SLV 9	1319349	1422093	0.084	-270426	SLV 7	-623951	-970824	0.078	Si
200	11.37	5.4	16.93	6.1	1185347	SLV 9	1571088	2054885	0.094	-500407	SLV 7	-860233	-1440832	0.087	Si
209	12.26	5.4	18.2	6.1	1311786	SLV 9	1696475	2201262	0.096	-616899	SLV 7	-980023	-1552267	0.089	Si
228	14.05	5.4	19.01	6.2	1563564	SLV 9	1946392	2292895	0.096	-853050	SLV 7	-1223012	-1767747	0.092	Si
247	15.21	5.4	19.01	6.2	1814082	SLV 9	2017586	2292825	0.095	-1093626	SLV 7	-1293396	-1904196	0.094	Si
263	15.21	5.4	19.01	6.2	2017586	SLV 9	2017586	2292825	0.095	-1293396	SLV 7	-1293396	-1904196	0.094	Si
266	15.21	5.4	19.01	6.2	2063475	SLV 9	2058296	2292825	0.095	-1338763	SLV 7	-1333688	-1904196	0.094	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
285	15.21	5.4	19.01	6.2	2311685	SLV 9	2159476	2292825	0.095	-1588402	SLV 7	-1433829	-1904196	0.094	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	22.81	5.4	921174	SLD 11	878502	2772814	0.097	-773454	SLD 5	-682979	-2322640	0.091	Si
19	19.01	5.4	22.81	5.4	847562	SLD 11	846493	2772814	0.097	-621670	SLD 5	-619607	-2322640	0.091	Si
23	19.01	5.4	22.81	5.4	833614	SLD 11	833614	2772814	0.097	-594109	SLD 5	-594109	-2322640	0.091	Si
38	17.55	5.4	22.81	5.4	771149	SLD 11	833614	2772954	0.098	-472772	SLD 5	-594109	-2149586	0.089	Si
57	15.75	5.4	21.6	5.4	691946	SLD 11	811976	2630752	0.098	-326770	SLD 5	-551348	-1937497	0.088	Si
67	14.86	5.4	19.69	5.4	651304	SLD 11	773462	2403646	0.095	-254860	SLD 5	-477217	-1831479	0.087	Si
86	11.4	5.4	11.4	5.4	567953	SLD 11	694343	1422094	0.084	-113238	SLD 5	-331128	-1422093	0.084	Si
105	10.51	5.4	11.4	5.4	481889	SLD 11	612451	1422094	0.084	25412	SLD 5	-187952	-1315805	0.082	Si
124	9.61	5.4	11.4	5.4	405765	SLD 15	527817	1422093	0.084	148435	SLD 1	-47719	-1209502	0.081	Si
143	7.6	5.4	11.4	5.4	398824	SLD 13	539414	1422093	0.084						Si
162	7.6	5.4	11.4	5.4	474705	SLD 9	659726	1422093	0.084						Si
181	7.6	5.4	11.4	5.4	596275	SLD 9	777685	1422093	0.084	64509	SLD 7	-82288	-970824	0.078	Si
200	11.37	5.4	16.93	6.1	715471	SLD 9	893395	2054885	0.094	-30531	SLD 7	-182540	-1440832	0.087	Si
209	12.26	5.4	18.2	6.1	774196	SLD 9	950442	2201262	0.096	-79309	SLD 7	-233991	-1552267	0.089	Si
228	14.05	5.4	19.01	6.2	889971	SLD 9	1062969	2292895	0.096	-179456	SLD 7	-339589	-1767747	0.092	Si
247	15.21	5.4	19.01	6.2	1003603	SLD 9	1094700	2292825	0.095	-283147	SLD 7	-370510	-1904196	0.094	Si
263	15.21	5.4	19.01	6.2	1094700	SLD 9	1094700	2292825	0.095	-370510	SLD 7	-370510	-1904196	0.094	Si
266	15.21	5.4	19.01	6.2	1115153	SLD 9	1112832	2292825	0.095	-390440	SLD 7	-388224	-1904196	0.094	Si
285	15.21	5.4	19.01	6.2	1224594	SLD 9	1157897	2292825	0.095	-501311	SLD 7	-432249	-1904196	0.094	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.69	0	2869	SLU 36	2869	13102	76908	0	13102	1	Si
19	0	11.4	0	2675	SLU 36	2675	10922	76908	0	10922	1	Si
23	0.172	11.4	0	2639	SLU 36	2639	10922	76908	20007	20007	1	Si
38	0.172	11.4	0	2480	SLU 36	2480	10922	76908	20007	20007	1	Si
57	0.172	11.4	0	2285	SLU 36	2285	10922	76908	20007	20007	1	Si
67	0.172	11.4	0	2188	SLU 36	2188	10922	76908	20007	20007	1	Si
86	0.172	11.4	0	1994	SLU 36	1994	10922	76908	20007	20007	1	Si
105	0.161	11.4	0	1799	SLU 36	1799	10922	76908	18673	18673	1	Si
124	0.161	15.65	0	1605	SLU 36	1605	12136	76908	18673	18673	1	Si
143	0.161	17.77	0	1410	SLU 36	1410	12661	76908	18673	18673	1	Si
162	0.161	11.4	0	1216	SLU 36	1216	10922	76908	18673	18673	1	Si
181	0.161	11.4	0	1021	SLU 36	1021	10922	76908	18673	18673	1	Si
200	0.158	11.4	0	827	SLU 36	827	10868	76132	18155	18155	1	Si
209	0.158	11.4	0	729	SLU 36	729	10860	76019	18128	18128	1	Si
228	0.158	11.4	0	535	SLU 36	535	10856	75956	18113	18113	1	Si
247	0.158	11.4	0	340	SLU 36	340	10856	75956	18113	18113	1	Si
263	0.158	16.93	0	207	SLU 18	207	12383	75956	18113	18113	1	Si
263	0.158	16.93	0	-33	SLU 19	-33	-12383	-75956	-18113	-18113	1	Si
266	0	16.93	0	180	SLU 18	180	12383	75956	0	12383	1	Si
266	0	16.93	0	-69	SLU 19	-69	-12383	-75956	0	-12383	1	Si
285	0	19.01	0	30	SLU 18	30	12871	75956	0	12871	1	Si
285	0	19.01	0	-264	SLU 19	-264	-12871	-75956	0	-12871	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.86	0	15566	SLV 5	19058	11929	76908	0	11929	1	Si
0	0	19.69	0	-11302	SLV 11	-14795	-13102	-76908	0	-13102	1	Si
10	0	11.4	0	15491	SLV 5	18984	10922	76908	0	10922	1	Si
10	0	17.77	0	-11377	SLV 11	-14869	-12661	-76908	0	-12661	1	Si
19	0	11.4	0	15416	SLV 5	18909	10922	76908	0	10922	1	Si
19	0	11.4	0	-11451	SLV 11	-14944	-10922	-76908	0	-10922	1	Si
23	0.172	11.4	0	15388	SLV 5	18881	10922	76908	20007	20007	1	Si
23	0.172	11.4	0	-11479	SLV 11	-14972	-10922	-76908	-20007	-20007	1	Si
38	0.172	10.51	0	15266	SLV 5	18759	10628	76908	20007	20007	1	Si
38	0.172	11.4	0	-11601	SLV 11	-15094	-10922	-76908	-20007	-20007	1	Si
57	0.172	9.61	0	15117	SLV 5	18610	10317	76908	20007	20007	1	Si
57	0.172	11.4	0	-11751	SLV 11	-15243	-10922	-76908	-20007	-20007	1	Si
67	0.172	9.17	0	15042	SLV 5	18535	10154	76908	20007	20007	1	Si
67	0.172	11.4	0	-11825	SLV 11	-15318	-10922	-76908	-20007	-20007	1	Si
86	0.172	7.6	0	14892	SLV 5	18385	9541	76908	20007	20007	1	Si
86	0.172	11.4	0	-11975	SLV 11	-15468	-10922	-76908	-20007	-20007	1	Si
105	0.161	7.6	0	14743	SLV 5	18236	9541	76908	18673	18673	1	Si
105	0.161	11.4	0	-12125	SLV 11	-15617	-10922	-76908	-18673	-18673	1	Si
124	0.161	15.65	0	14593	SLV 5	18086	12136	76908	18673	18673	1	Si
124	0.161	15.65	0	-12274	SLV 11	-15767	-12136	-76908	-18673	-18673	1	Si
143	0.161	17.77	0	14443	SLV 5	17936	12661	76908	18673	18673	1	Si
143	0.161	17.77	0	-12424	SLV 11	-15917	-12661	-76908	-18673	-18673	1	Si
162	0.161	11.4	0	14294	SLV 5	17787	10922	76908	18673	18673	1	Si
162	0.161	11.4	0	-12574	SLV 11	-16066	-10922	-76908	-18673	-18673	1	Si
181	0.161	11.4	0	14144	SLV 5	17637	10922	76908	18673	18673	1	Si
181	0.161	10.06	0	-12723	SLV 11	-16216	-10475	-76908	-18673	-18673	1	Si
200	0.158	11.4	0	13995	SLV 5	17487	10868	76132	18155	18155	1	Si
200	0.158	9.17	0	-12873	SLV 11	-16366	-10154	-76908	-18340	-18340	1	Si
209	0.158	11.4	0	13920	SLV 5	17413	10860	76019	18128	18128	1	Si
209	0.158	7.6	0	-12948	SLV 11	-16440	-9541	-76908	-18340	-18340	1	Si
228	0.158	11.4	0	13770	SLV 5	17263	10856	75956	18113	18113	1	Si
228	0.158	7.6	0	-13097	SLV 11	-16590	-9541	-76908	-18340	-18340	1	Si
247	0.158	11.4	0	13621	SLV 5	17113	10856	75956	18113	18113	1	Si
247	0.158	7.6	0	-13247	SLV 11	-16740	-9541	-76908	-18340	-18340	1	Si
263	0.158	16.93	0	13498	SLV 5	16991	12383	75956	18113	18113	1	Si
263	0.158	11.37	0	-13369	SLV 11	-16862	-10910	-76908	-18340	-18340	1	Si
266	0	16.93	0	13471	SLV 5	16964	12383	75956	0	12383	1	Si
266	0	11.37	0	-13397	SLV 11	-16889	-10910	-76908	0	-10910	1	Si
285	0	19.01	0	13321	SLV 5	16814	12871	75956	0	12871	1	Si
285	0	13.16	0	-13546	SLV 11	-17039	-11455	-76908	0	-11455	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.86	0	8077	SLD 5	8077	11929	76908	0	11929	1	Si
0	0	19.69	0	-3813	SLD 11	-3813	-13102	-76908	0	-13102	1	Si
10	0	11.4	0	8002	SLD 5	8002	10922	76908	0	10922	1	Si
10	0	17.77	0	-3888	SLD 11	-3888	-12661	-76908	0	-12661	1	Si
19	0	11.4	0	7927	SLD 5	7927	10922	76908	0	10922	1	Si
19	0	11.4	0	-3962	SLD 11	-3962	-10922	-76908	0	-10922	1	Si
23	0.172	11.4	0	7900	SLD 5	7900	10922	76908	20007	20007	1	Si
23	0.172	11.4	0	-3990	SLD 11	-3990	-10922	-76908	-20007	-20007	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
38	0.172	10.51	0	7777	SLD 5	7777	10628	76908	20007	20007	1	Si
38	0.172	11.4	0	-4112	SLD 11	-4112	-10922	-76908	-20007	-20007	1	Si
57	0.172	9.61	0	7628	SLD 5	7628	10317	76908	20007	20007	1	Si
57	0.172	11.4	0	-4262	SLD 11	-4262	-10922	-76908	-20007	-20007	1	Si
67	0.172	9.17	0	7553	SLD 5	7553	10154	76908	20007	20007	1	Si
67	0.172	11.4	0	-4337	SLD 11	-4337	-10922	-76908	-20007	-20007	1	Si
86	0.172	7.6	0	7403	SLD 5	7403	9541	76908	20007	20007	1	Si
86	0.172	11.4	0	-4486	SLD 11	-4486	-10922	-76908	-20007	-20007	1	Si
105	0.161	11.4	0	7254	SLD 5	7254	10922	76908	18673	18673	1	Si
105	0.161	11.4	0	-4636	SLD 11	-4636	-10922	-76908	-18673	-18673	1	Si
124	0.161	15.65	0	7104	SLD 5	7104	12136	76908	18673	18673	1	Si
124	0.161	15.65	0	-4785	SLD 11	-4785	-12136	-76908	-18673	-18673	1	Si
143	0.161	17.77	0	6955	SLD 5	6955	12661	76908	18673	18673	1	Si
143	0.161	17.77	0	-4935	SLD 11	-4935	-12661	-76908	-18673	-18673	1	Si
162	0.161	11.4	0	6805	SLD 5	6805	10922	76908	18673	18673	1	Si
162	0.161	11.4	0	-5085	SLD 11	-5085	-10922	-76908	-18673	-18673	1	Si
181	0.161	11.4	0	6655	SLD 5	6655	10922	76908	18673	18673	1	Si
181	0.161	11.4	0	-5234	SLD 11	-5234	-10922	-76908	-18673	-18673	1	Si
200	0.158	11.4	0	6506	SLD 5	6506	10868	76132	18155	18155	1	Si
200	0.158	11.4	0	-5384	SLD 11	-5384	-10868	-76132	-18155	-18155	1	Si
209	0.158	11.4	0	6431	SLD 5	6431	10860	76019	18128	18128	1	Si
209	0.158	7.6	0	-5459	SLD 11	-5459	-9541	-76908	-18340	-18340	1	Si
228	0.158	11.4	0	6281	SLD 5	6281	10856	75956	18113	18113	1	Si
228	0.158	7.6	0	-5608	SLD 11	-5608	-9541	-76908	-18340	-18340	1	Si
247	0.158	11.4	0	6132	SLD 5	6132	10856	75956	18113	18113	1	Si
247	0.158	7.6	0	-5758	SLD 11	-5758	-9541	-76908	-18340	-18340	1	Si
263	0.158	16.93	0	6010	SLD 5	6010	12383	75956	18113	18113	1	Si
263	0.158	11.37	0	-5880	SLD 11	-5880	-10910	-76908	-18340	-18340	1	Si
266	0	16.93	0	5982	SLD 5	5982	12383	75956	0	12383	1	Si
266	0	11.37	0	-5908	SLD 11	-5908	-10910	-76908	0	-10910	1	Si
285	0	19.01	0	5832	SLD 5	5832	12871	75956	0	12871	1	Si
285	0	13.16	0	-6057	SLD 11	-6057	-11455	-76908	0	-11455	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	83846	3	83846	2.1	124.5	63.4	1837	73860	2	73860	1.8	93.4	0	+∞	Si
19	123732	3	123732	3.1	124.5	93.5	1837	112946	2	112946	2.8	93.4	0	+∞	Si
23	130686	3	185404	4.6	124.5	140.1	1837	119753	2	173246	4.3	93.4	0	+∞	Si
38	160775	3	211928	5.4	124.5	160.4	1837	149188	2	199117	5	93.4	0	+∞	Si
57	194975	3	241778	6.4	124.5	193.1	1837	182588	2	228168	6	93.4	0	+∞	Si
67	211009	3	255638	7	124.5	223.5	1837	198222	2	241627	6.6	93.4	0	+∞	Si
86	240944	3	281224	9.7	124.5	417.4	1837	227358	2	266413	9.2	93.4	0	+∞	Si
105	268037	3	303967	10.6	124.5	451.5	1837	253650	2	288356	10.1	93.4	0	+∞	Si
124	292287	3	323867	11.4	124.5	481.4	1837	277100	2	307456	10.9	93.4	0	+∞	Si
143	313694	3	340925	12.4	124.5	507.6	1837	297707	2	323713	11.8	93.4	0	+∞	Si
162	332258	3	355139	12.9	124.5	528.8	1837	315471	2	337127	12.2	93.4	0	+∞	Si
181	347980	3	366511	13.3	124.5	545.7	1837	330392	2	347699	12.6	93.4	0	+∞	Si
200	360858	3	375040	11.4	124.5	389.9	1837	342470	2	355427	10.8	93.4	0	+∞	Si
209	366231	3	378238	11.2	124.5	367.7	1837	347443	2	358226	10.6	93.4	0	+∞	Si
228	374846	3	382503	10.9	124.5	356.8	1837	355257	2	361690	10.3	93.4	0	+∞	Si
247	380617	3	383137	10.8	124.5	357	1837	360228	2	362095	10.2	93.4	0	+∞	Si
263	383137	3	383137	10.8	124.5	357	1837	362095	2	362095	10.2	93.4	0	+∞	Si
266	383545	3	383482	10.8	124.5	357.3	1837	362356	2	362304	10.2	93.4	0	+∞	Si
285	383631	3	383631	10.8	124.5	357.4	1837	361642	2	361642	10.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
23	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
38	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
57	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si
67	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
86	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
105	0.007	0.006	0.006	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.015	2	0.014	2	9999	Si
124	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.017	2	0.015	2	9999	Si
143	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.017	2	0.016	2	9999	Si
152	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.017	2	0.016	2	9999	Si
162	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.017	2	0.016	2	9999	Si
181	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.017	2	0.015	2	9999	Si
200	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.014	2	9999	Si
209	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.014	2	0.013	2	9999	Si
228	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
247	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
263	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.005	2	9999	Si
266	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1955	16926	20007	SLV 5	0.39	832	1.066	119753	-1613151	-2322640	SLV 5	0.54	2084	1.553	Si
38	1833	16926	20007	SLV 5	0.39	846	1.073	119753	-1613151	-2149586	SLV 5	0.5	1712	1.433	Si
57	1683	16926	20007	SLV 5	0.39	863	1.082	130314	-1540389	-1937497	SLV 5	0.48	1511	1.361	Si
67	1608	16926	20007	SLV 5	0.39	872	1.087	148122	-1413114	-1831479	SLV 5	0.5	1692	1.426	Si
86	1459	16926	20007	SLV 5	0.4	889	1.095	181608	1158658	1422094	SLV 11	0.39	840	1.07	Si
105	1309	16926	18673	SLV 5	0.37	757	1.025	212250	904361	1422094	SLV 11	0.48	1497	1.356	Si
124	1159	16926	18673	SLV 5	0.38	773	1.034	240049	650290	1422093	SLV 11	0.57	2474	1.666	Si
143	1010	16926	18673	SLV 5	0.38	789	1.043	323713	487420	1422093	SLV 9	0.57	2474	1.666	Si
162	860	16926	18673	SLV 5	0.38	806	1.052	337127	728982	1422093	SLV 9	0.53	1991	1.524	Si
181	711	16926	18673	SLV 5	0.39	822	1.061	347699	971650	1422093	SLV 9	0.4	909	1.105	Si
200	561	16926	18155	SLV 5	0.38	782	1.039	355427	1215660	2054885	SLV 9	0.5	1684	1.423	Si
209	486	16926	18128	SLV 5	0.38	787	1.042	358226	1338249	2201262	SLV 9	0.49	1618	1.4	Si
228	336	16926	18113	SLV 5	0.38	802	1.05	361690	1584702	2292895	SLV 9	0.44	1169	1.225	Si
247	187	16926	18113	SLV 5	0.38	818	1.059	362095	1655491	2292825	SLV 9	0.42	1041	1.169	Si
263	65	16926	18113	SLV 5	0.39	832	1.066	362095	1655491	2292825	SLV 9	0.42	1041	1.169	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1955	5945	20007	SLD 5	0.41	948	2.83	119753	-713861	-2322640	SLD 5	0.46	1300	3.221	Si
38	1833	5945	20007	SLD 5	0.41	963	2.848	119753	-713861	-2149586	SLD 5	0.43	1069	2.972	Si
57	1683	5945	20007	SLD 5	0.41	983	2.872	130314	-681662	-1937497	SLD 5	0.41	945	2.826	Si
67	1608	5945	20007	SLD 5	0.42	994	2.885	148122	-625339	-1831479	SLD 5	0.42	1057	2.959	Si
86	1459	5945	20007	SLD 5	0.42	1016	2.911	181608	512735	1422094	SLD 11	0.33	545	2.255	Si
105	1309	5945	18673	SLD 5	0.39	861	2.72	212250	400202	1422094	SLD 11	0.41	937	2.816	Si
124	1159	5945	18673	SLD 5	0.4	880	2.744	240049	287768	1422093	SLD 11	0.54	2118	3.934	Si
143	1010	5945	18673	SLD 5	0.4	898	2.767	323713	215701	1422093	SLD 9	0.6	2474	4.193	Si
162	860	5945	18673	SLD 5	0.4	917	2.791	337127	322599	1422093	SLD 9	0.45	1242	3.161	Si
181	711	5945	18673	SLD 5	0.41	935	2.814	347699	429987	1422093	SLD 9	0.34	590	2.33	Si
200	561	5945	18155	SLD 5	0.4	890	2.757	355427	537968	2054885	SLD 9	0.42	1051	2.952	Si
209	486	5945	18128	SLD 5	0.4	896	2.765	358226	592217	2201262	SLD 9	0.42	1010	2.904	Si
228	336	5945	18113	SLD 5	0.4	913	2.786	361690	701279	2292895	SLD 9	0.37	746	2.565	Si
247	187	5945	18113	SLD 5	0.4	931	2.809	362095	732605	2292825	SLD 9	0.36	671	2.456	Si
263	65	5945	18113	SLD 5	0.41	947	2.828	362095	732605	2292825	SLD 9	0.36	671	2.456	Si

Campata 8 tra i fili 56 - ?, sezione R 45x70, asta 976

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	19.01	6.2	412572	SLU 30	412572	2292825	0.095						Si
20	15.21	5.4	19.01	6.2	435668	SLU 30	435668	2292825	0.095						Si
23	15.21	5.4	19.01	6.2	437979	SLU 30	463292	2292825	0.095						Si
40	15.21	5.4	16.97	6.3	454601	SLU 30	474513	2051502	0.092						Si
60	13.72	5.4	21.58	6	469371	SLU 30	483281	2603820	0.1						Si
81	11.82	5.4	18.54	5.8	479977	SLU 30	487885	2255114	0.096						Si
91	10.87	5.4	15.21	5.4	483719	SLU 30	488626	1873106	0.09						Si
111	7.6	5.4	15.21	5.4	488079	SLU 30	488698	1873491	0.092						Si
131	7.6	5.4	15.21	5.4	488276	SLU 30	488698	1873491	0.092						Si
151	7.6	5.4	15.21	5.4	484310	SLU 30	488649	1873491	0.092						Si
171	7.6	5.4	15.21	5.4	476180	SLU 30	486521	1873491	0.092						Si
192	7.6	5.4	15.21	5.4	463887	SLU 30	480229	1873491	0.092						Si
212	10.87	6	15.21	5.4	447430	SLU 30	469774	1886899	0.095						Si
232	12.77	6.2	15.21	5.4	426809	SLU 30	455155	1894654	0.096						Si
242	13.72	6.3	19.26	5.4	414938	SLU 30	446284	2378093	0.105						Si
262	15.21	6.4	21.97	5.4	388072	SLU 30	425420	2704630	0.112						Si
280	15.21	6.4	22.81	5.4	360753	SLU 30	403502	2802940	0.114						Si
282	15.21	6.4	22.81	5.4	357043	SLU 30	357043	2802940	0.114						Si
302	15.21	6.4	22.81	5.4	321850	SLU 30	321850	2802940	0.114						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	19.01	6.2	2144389	SLV 11	2020426	2292825	0.095	-1589682	SLV 5	-1442417	-1904196	0.094	Si
20	15.21	5.4	19.01	6.2	1920537	SLV 11	1919155	2292825	0.095	-1327006	SLV 5	-1325514	-1904196	0.094	Si
23	15.21	5.4	19.01	6.2	1894365	SLV 11	1894365	2292825	0.095	-1296897	SLV 5	-1296897	-1904196	0.094	Si
40	15.21	5.4	16.97	6.3	1693561	SLV 11	1894365	2051502	0.092	-1067611	SLV 5	-1296897	-1904325	0.095	Si
60	13.72	5.4	21.58	6	1463543	SLV 11	1794110	2603820	0.1	-811579	SLV 5	-1181765	-1722063	0.09	Si
81	11.82	5.4	18.54	5.8	1230730	SLV 11	1565421	2255114	0.096	-559158	SLV 5	-924235	-1485633	0.086	Si
91	10.87	5.4	15.21	5.4	1113531	SLV 11	1449958	1873106	0.09	-434557	SLV 5	-796753	-1359070	0.083	Si
111	7.6	5.4	15.21	5.4	880304	SLV 7	1217015	1873491	0.092	-191330	SLV 9	-544577	-971252	0.079	Si
131	7.6	5.4	15.21	5.4	659942	SLV 7	979812	1873491	0.092	32626	SLV 9	-294546	-971252	0.079	Si
151	7.6	5.4	15.21	5.4	470055	SLV 3	755511	1873491	0.092	219702	SLV 13	-63823	-971252	0.079	Si
171	7.6	5.4	15.21	5.4	544771	SLV 5	882646	1873491	0.092	135770	SLV 11	-226745	-971252	0.079	Si
192	7.6	5.4	15.21	5.4	779824	SLV 5	1113418	1873491	0.092	-114906	SLV 11	-482373	-971252	0.079	Si
212	10.87	6	15.21	5.4	1011958	SLV 5	1341062	1886899	0.095	-369066	SLV 11	-741277	-1346012	0.084	Si
232	12.77	6.2	15.21	5.4	1240989	SLV 5	1565545	1894654	0.096	-626531	SLV 11	-1003426	-1563827	0.086	Si
242	13.72	6.3	19.26	5.4	1354325	SLV 5	1676595	2378093	0.105	-756485	SLV 11	-1135711	-1672585	0.087	Si
262	15.21	6.4	21.97	5.4	1578622	SLV 5	1774249	2704630	0.112	-1018823	SLV 11	-1253569	-1842063	0.089	Si
280	15.21	6.4	22.81	5.4	1774249	SLV 5	1774249	2802940	0.114	-1253569	SLV 11	-1253569	-1842055	0.088	Si
282	15.21	6.4	22.81	5.4	1799741	SLV 5	1798380	2802940	0.114	-1284388	SLV 11	-1282845	-1842055	0.088	Si
302	15.21	6.4	22.81	5.4	2017674	SLV 5	1896956	2802940	0.114	-1553173	SLV 11	-1402443	-1842055	0.088	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	19.01	6.2	1103557	SLD 11	1055196	2292825	0.095	-548850	SLD 5	-477186	-1904196	0.094	Si
20	15.21	5.4	19.01	6.2	1015320	SLD 11	1014739	2292825	0.095	-421788	SLD 5	-421097	-1904196	0.094	Si
23	15.21	5.4	19.01	6.2	1004835	SLD 11	1004835	2292825	0.095	-407367	SLD 5	-407367	-1904196	0.094	Si
40	15.21	5.4	16.97	6.3	923914	SLD 11	1004835	2051502	0.092	-297964	SLD 5	-407367	-1904325	0.095	Si
60	13.72	5.4	21.58	6	829377	SLD 11	964617	2603820	0.1	-177414	SLD 5	-352272	-1722063	0.09	Si
81	11.82	5.4	18.54	5.8	731819	SLD 11	871457	2255114	0.096	-60247	SLD 5	-230270	-1485633	0.086	Si
91	10.87	5.4	15.21	5.4	682019	SLD 11	823712	1873106	0.09	-3045	SLD 5	-170507	-1359070	0.083	Si
111	7.6	5.4	15.21	5.4	581598	SLD 7	725991	1873491	0.092	107376	SLD 9	-53553	-971252	0.079	Si
131	7.6	5.4	15.21	5.4	485085	SLD 7	624599	1873491	0.092						Si
151	7.6	5.4	15.21	5.4	400273	SLD 3	527131	1873491	0.092						Si
171	7.6	5.4	15.21	5.4	430764	SLD 5	573413	1873491	0.092						Si
192	7.6	5.4	15.21	5.4	530426	SLD 5	668607	1873491	0.092	134493	SLD 11	-37561	-971252	0.079	Si
212	10.87	6	15.21	5.4	627010	SLD 5	760630	1886899	0.095	15881	SLD 11	-160845	-1346012	0.084	Si
232	12.77	6.2	15.21	5.4	720436	SLD 5	849469	1894654	0.096	-105977	SLD 11	-287350	-1563827	0.086	Si
242	13.72	6.3	19.26	5.4	765957	SLD 5	892692	2378093	0.105	-168117	SLD 11	-351809	-1672585	0.087	Si
262	15.21	6.4	21.97	5.4	854610	SLD 5	930275	2704630	0.112	-294811	SLD 11	-409594	-1842063	0.089	Si
280	15.21	6.4	22.81	5.4	930275	SLD 5	930275	2802940	0.114	-409594	SLD 11	-409594	-1842055	0.088	Si
282	15.21	6.4	22.81	5.4	940071	SLD 5	939519	2802940	0.114	-424718	SLD 11	-423984	-1842055	0.088	Si
302	15.21	6.4	22.81	5.4	1022336	SLD 5	977281	2802940	0.114	-557835	SLD 11	-482768	-1842055	0.088	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	1498	SLU 19	1498	12871	75956	0	12871	1	Si
20	0	18.54	0	1292	SLU 19	1292	12765	75956	0	12765	1	Si
23	0.144	15.21	0	1268	SLU 19	1268	11948	75956	16466	16466	1	Si
40	0.144	15.21	0	1086	SLU 19	1086	11939	75842	16441	16441	1	Si
60	0.144	15.21	0	879	SLU 19	879	11970	76241	16528	16528	1	Si
81	0.144	15.21	0	673	SLU 19	673	11988	76480	16580	16580	1	Si
91	0.144	15.21	0	569	SLU 19	569	12021	76908	16673	16673	1	Si
111	0.137	15.21	0	363	SLU 19	363	12021	76908	15892	15892	1	Si
131	0.137	15.21	0	157	SLU 19	157	12021	76908	15892	15892	1	Si
131	0.137	15.21	0	-155	SLU 12	-155	-12021	-76908	-15892	-15892	1	Si
151	0.137	15.21	0	-314	SLU 12	-314	-12021	-76908	-15892	-15892	1	Si
171	0.137	15.21	0	-506	SLU 30	-506	-12021	-76908	-15892	-15892	1	Si
192	0.137	15.21	0	-713	SLU 30	-713	-12021	-76908	-15892	-15892	1	Si
212	0.144	15.21	0	-919	SLU 30	-919	-12021	-76908	-16673	-16673	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
232	0.144	15.21	0	-1126	SLU 30	-1126	-12021	-76908	-16673	-16673	1	Si
242	0.144	15.21	0	-1229	SLU 30	-1229	-12021	-76908	-16673	-16673	1	Si
262	0.144	15.21	0	-1435	SLU 30	-1435	-12021	-76908	-16673	-16673	1	Si
280	0.144	15.21	0	-1618	SLU 30	-1618	-12021	-76908	-16673	-16673	1	Si
282	0	15.21	0	-1642	SLU 30	-1642	-12021	-76908	0	-12021	1	Si
292	0	15.21	0	-1745	SLU 30	-1745	-12021	-76908	0	-12021	1	Si
302	0	19.26	0	-1848	SLU 30	-1848	-13006	-76908	0	-13006	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.72	0	13112	SLV 5	16251	11617	76908	0	11617	1	Si
0	0	19.01	0	-11028	SLV 11	-14167	-12871	-75956	0	-12871	1	Si
20	0	11.82	0	12953	SLV 5	16092	11054	76908	0	11054	1	Si
20	0	18.54	0	-11187	SLV 11	-14325	-12765	-75956	0	-12765	1	Si
23	0.144	10.87	0	12935	SLV 5	16073	10749	76908	16673	16673	1	Si
23	0.144	15.21	0	-11205	SLV 11	-14344	-11948	-75956	-16466	-16466	1	Si
40	0.144	7.6	0	12795	SLV 5	15933	9541	76908	16673	16673	1	Si
40	0.144	15.21	0	-11346	SLV 11	-14484	-11939	-75842	-16441	-16441	1	Si
60	0.144	7.6	0	12636	SLV 5	15774	9541	76908	16673	16673	1	Si
60	0.144	15.21	0	-11505	SLV 11	-14643	-11970	-76241	-16528	-16528	1	Si
81	0.144	7.6	0	12477	SLV 5	15615	9541	76908	16673	16673	1	Si
81	0.144	15.21	0	-11664	SLV 11	-14802	-11988	-76480	-16580	-16580	1	Si
91	0.144	7.6	0	12398	SLV 5	15536	9541	76908	16673	16673	1	Si
91	0.144	15.21	0	-11743	SLV 11	-14881	-12021	-76908	-16673	-16673	1	Si
111	0.137	7.6	0	12239	SLV 5	15377	9541	76908	15892	15892	1	Si
111	0.137	15.21	0	-11902	SLV 11	-15040	-12021	-76908	-15892	-15892	1	Si
131	0.137	15.21	0	12080	SLV 5	15218	12021	76908	15892	15892	1	Si
131	0.137	15.21	0	-12061	SLV 11	-15199	-12021	-76908	-15892	-15892	1	Si
151	0.137	15.21	0	11921	SLV 5	15059	12021	76908	15892	15892	1	Si
151	0.137	15.21	0	-12219	SLV 11	-15358	-12021	-76908	-15892	-15892	1	Si
171	0.137	15.21	0	11762	SLV 5	14901	12021	76908	15892	15892	1	Si
171	0.137	15.21	0	-12378	SLV 11	-15516	-12021	-76908	-15892	-15892	1	Si
192	0.137	15.21	0	11604	SLV 5	14742	12021	76908	15892	15892	1	Si
192	0.137	7.6	0	-12537	SLV 11	-15675	-9541	-76908	-15892	-15892	1	Si
212	0.144	15.21	0	11445	SLV 5	14583	12021	76908	16673	16673	1	Si
212	0.144	7.6	0	-12696	SLV 11	-15834	-9498	-76192	-16518	-16518	1	Si
232	0.144	15.21	0	11286	SLV 5	14424	12021	76908	16673	16673	1	Si
232	0.144	7.6	0	-12855	SLV 11	-15993	-9483	-75944	-16464	-16464	1	Si
242	0.144	15.21	0	11206	SLV 5	14345	12021	76908	16673	16673	1	Si
242	0.144	7.6	0	-12934	SLV 11	-16072	-9477	-75846	-16443	-16443	1	Si
262	0.144	15.21	0	11048	SLV 5	14186	12021	76908	16673	16673	1	Si
262	0.144	7.6	0	-13093	SLV 11	-16231	-9469	-75718	-16415	-16415	1	Si
280	0.144	15.21	0	10907	SLV 5	14046	12021	76908	16673	16673	1	Si
280	0.144	10.87	0	-13233	SLV 11	-16372	-10668	-75718	-16415	-16415	1	Si
282	0	15.21	0	10889	SLV 5	14027	12021	76908	0	12021	1	Si
282	0	11.82	0	-13252	SLV 11	-16390	-10970	-75718	0	-10970	1	Si
302	0	19.26	0	10730	SLV 5	13868	13006	76908	0	13006	1	Si
302	0	13.72	0	-13410	SLV 11	-16549	-11529	-75718	0	-11529	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.72	0	6383	SLD 5	6383	11617	76908	0	11617	1	Si
0	0	19.01	0	-4299	SLD 11	-4299	-12871	-75956	0	-12871	1	Si
20	0	11.82	0	6225	SLD 5	6225	11054	76908	0	11054	1	Si
20	0	18.54	0	-4458	SLD 11	-4458	-12765	-75956	0	-12765	1	Si
23	0.144	10.87	0	6206	SLD 5	6206	10749	76908	16673	16673	1	Si
23	0.144	15.21	0	-4477	SLD 11	-4477	-11948	-75956	-16466	-16466	1	Si
40	0.144	7.6	0	6066	SLD 5	6066	9541	76908	16673	16673	1	Si
40	0.144	15.21	0	-4617	SLD 11	-4617	-11939	-75842	-16441	-16441	1	Si
60	0.144	7.6	0	5907	SLD 5	5907	9541	76908	16673	16673	1	Si
60	0.144	15.21	0	-4776	SLD 11	-4776	-11970	-76241	-16528	-16528	1	Si
81	0.144	7.6	0	5748	SLD 5	5748	9541	76908	16673	16673	1	Si
81	0.144	15.21	0	-4935	SLD 11	-4935	-11988	-76480	-16580	-16580	1	Si
91	0.144	7.6	0	5669	SLD 5	5669	9541	76908	16673	16673	1	Si
91	0.144	15.21	0	-5014	SLD 11	-5014	-12021	-76908	-16673	-16673	1	Si
111	0.137	15.21	0	5510	SLD 5	5510	12021	76908	15892	15892	1	Si
111	0.137	15.21	0	-5173	SLD 11	-5173	-12021	-76908	-15892	-15892	1	Si
131	0.137	15.21	0	5351	SLD 5	5351	12021	76908	15892	15892	1	Si
131	0.137	15.21	0	-5332	SLD 11	-5332	-12021	-76908	-15892	-15892	1	Si
151	0.137	15.21	0	5192	SLD 5	5192	12021	76908	15892	15892	1	Si
151	0.137	15.21	0	-5490	SLD 11	-5490	-12021	-76908	-15892	-15892	1	Si
171	0.137	15.21	0	5033	SLD 5	5033	12021	76908	15892	15892	1	Si
171	0.137	15.21	0	-5649	SLD 11	-5649	-12021	-76908	-15892	-15892	1	Si
192	0.137	15.21	0	4875	SLD 5	4875	12021	76908	15892	15892	1	Si
192	0.137	15.21	0	-5808	SLD 11	-5808	-12021	-76908	-15892	-15892	1	Si
212	0.144	15.21	0	4716	SLD 5	4716	12021	76908	16673	16673	1	Si
212	0.144	15.21	0	-5967	SLD 11	-5967	-12021	-76908	-16673	-16673	1	Si
232	0.144	15.21	0	4557	SLD 5	4557	12021	76908	16673	16673	1	Si
232	0.144	7.6	0	-6126	SLD 11	-6126	-9483	-75944	-16464	-16464	1	Si
242	0.144	15.21	0	4478	SLD 5	4478	12021	76908	16673	16673	1	Si
242	0.144	7.6	0	-6205	SLD 11	-6205	-9477	-75846	-16443	-16443	1	Si
262	0.144	15.21	0	4319	SLD 5	4319	12021	76908	16673	16673	1	Si
262	0.144	7.6	0	-6364	SLD 11	-6364	-9469	-75718	-16415	-16415	1	Si
280	0.144	15.21	0	4178	SLD 5	4178	12021	76908	16673	16673	1	Si
280	0.144	10.87	0	-6504	SLD 11	-6504	-10668	-75718	-16415	-16415	1	Si
282	0	15.21	0	4160	SLD 5	4160	12021	76908	0	12021	1	Si
282	0	11.82	0	-6523	SLD 11	-6523	-10970	-75718	0	-10970	1	Si
302	0	19.26	0	4001	SLD 5	4001	13006	76908	0	13006	1	Si
302	0	13.72	0	-6682	SLD 11	-6682	-11529	-75718	0	-11529	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	299798	3	299798	8.4	124.5	279.3	1837	277354	2	277354	7.8	93.4	0	+∞	Si
20	318313	3	318313	8.9	124.5	296.6	1837	296766	2	296766	8.3	93.4	0	+∞	Si
23	320178	3	340727	9.6	124.5	317.4	1837	298734	2	320577	9	93.4	0	+∞	Si
40	333626	3	350021	10.2	124.5	364.9	1837	312975	2	330664	9.7	93.4	0	+∞	Si
60	345735	3	357514	9.8	124.5	292.8	1837	325982	2	339054	9.3	93.4	0	+∞	Si
81	354642	3	361804	10.6	124.5	340.7	1837	335786	2	344241	10.1	93.4	0	+∞	Si
91	357894	3	362748	11.4	124.5	408.1	1837	339487	2	345634	10.8	93.4	0	+∞	Si
111	361997	3	362897	11.9	124.5	409.8	1837	344487	2	346284	11.4	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
131	362897	3	362897	11.9	124.5	409.8	1837	346284	2	346284	11.4	93.4	0	+∞	Si
151	360594	3	362897	11.9	124.5	409.8	1837	344879	2	346284	11.4	93.4	0	+∞	Si
171	355089	3	361964	11.9	124.5	408.7	1837	340270	2	345853	11.3	93.4	0	+∞	Si
192	346381	3	357873	11.7	124.5	404.1	1837	332459	2	342658	11.2	93.4	0	+∞	Si
212	334470	3	350579	11.1	124.5	395.2	1837	321446	2	336261	10.6	93.4	0	+∞	Si
232	319356	3	340082	10.5	124.5	383.1	1837	307229	2	326662	10.1	93.4	0	+∞	Si
242	310598	3	333632	9.4	124.5	299.3	1837	298920	2	320661	9.1	93.4	0	+∞	Si
262	290681	3	318331	8.5	124.5	251.5	1837	279900	2	306257	8.2	93.4	0	+∞	Si
280	270328	3	302133	8	124.5	230.3	1837	260340	2	290852	7.7	93.4	0	+∞	Si
282	267560	3	267560	7.1	124.5	203.9	1837	257676	2	257676	6.8	93.4	0	+∞	Si
302	241237	3	241237	6.4	124.5	183.9	1837	232250	2	232250	6.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
23	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
40	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.009	2	9999	Si
60	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.014	2	0.013	2	9999	Si
81	0.008	0.008	0.007	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.017	2	0.016	2	9999	Si
91	0.009	0.008	0.008	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.019	2	0.017	2	9999	Si
111	0.01	0.009	0.009	0.008	0.01	0.009	0.008	0.008	0.01	0.009	0.021	2	0.019	2	9999	Si
131	0.011	0.01	0.009	0.008	0.01	0.01	0.009	0.008	0.01	0.01	0.022	2	0.02	2	9999	Si
151	0.011	0.01	0.009	0.008	0.01	0.01	0.009	0.008	0.01	0.01	0.022	2	0.021	2	9999	Si
171	0.011	0.009	0.009	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.022	2	0.02	2	9999	Si
192	0.01	0.009	0.009	0.008	0.01	0.009	0.008	0.008	0.01	0.009	0.02	2	0.019	2	9999	Si
212	0.009	0.008	0.008	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.018	2	0.017	2	9999	Si
232	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.014	2	9999	Si
242	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
262	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.009	2	9999	Si
280	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
282	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	865	15209	16673	SLV 5	0.38	782	1.039	298734	1595631	2292825	SLV 11	0.45	1250	1.26	Si
40	724	15209	16673	SLV 5	0.38	799	1.048	298734	1595631	2051502	SLV 11	0.4	895	1.098	Si
60	566	15209	16673	SLV 5	0.38	818	1.059	306172	-1487938	-1722063	SLV 5	0.49	1574	1.384	Si
81	407	15209	16673	SLV 5	0.39	838	1.069	320593	-1244828	-1485633	SLV 5	0.52	1860	1.482	Si
91	327	15209	16673	SLV 5	0.39	848	1.074	326602	1123355	1873106	SLV 11	0.49	1616	1.399	Si
111	169	15209	15892	SLV 5	0.38	772	1.034	336219	-880796	-971252	SLV 5	0.53	1977	1.52	Si
131	10	15209	15892	SLV 5	0.38	791	1.044	342633	-637179	-971252	SLV 5	0.57	2474	1.666	Si
151	-149	-15209	-15892	SLV 11	0.38	774	1.035	345844	-409667	-971252	SLV 9	0.57	2474	1.666	Si
171	-308	-15209	-15892	SLV 11	0.37	755	1.024	327950	-554695	-971252	SLV 11	0.57	2474	1.666	Si
192	-467	-15209	-15892	SLV 11	0.37	736	1.014	315523	-797896	-971252	SLV 11	0.57	2468	1.665	Si
212	-626	-15209	-16518	SLV 11	0.38	792	1.045	299892	1041170	1886899	SLV 5	0.54	2122	1.565	Si
232	-784	-15209	-16464	SLV 11	0.37	766	1.03	281059	1284485	1894654	SLV 5	0.45	1267	1.267	Si
242	-864	-15209	-16443	SLV 11	0.37	754	1.024	270442	-1406153	-1672585	SLV 11	0.49	1632	1.405	Si
262	-1023	-15209	-16415	SLV 11	0.37	732	1.011	260340	-1513909	-1842063	SLV 11	0.5	1654	1.413	Si
280	-1163	-15209	-16415	SLV 11	0.36	716	1.002	260340	-1513909	-1842055	SLV 11	0.5	1654	1.413	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	865	5341	16673	SLD 5	0.4	890	2.757	298734	706101	2292825	SLD 11	0.38	793	2.63	Si
40	724	5341	16673	SLD 5	0.4	909	2.781	298734	706101	2051502	SLD 11	0.34	581	2.315	Si
60	566	5341	16673	SLD 5	0.4	931	2.809	306172	-658445	-1722063	SLD 5	0.41	982	2.871	Si
81	407	5341	16673	SLD 5	0.41	954	2.837	320593	-550863	-1485633	SLD 5	0.44	1162	3.076	Si
91	327	5341	16673	SLD 5	0.41	965	2.85	326602	497109	1873106	SLD 11	0.42	1008	2.902	Si
111	169	5341	15892	SLD 5	0.4	879	2.743	336219	-389772	-971252	SLD 5	0.45	1234	3.153	Si
131	10	5341	15892	SLD 5	0.4	900	2.77	342633	-281966	-971252	SLD 5	0.6	2474	4.193	Si
151	-149	-5341	-15892	SLD 11	0.4	881	2.746	345844	-181287	-971252	SLD 9	0.6	2474	4.193	Si
171	-308	-5341	-15892	SLD 11	0.39	859	2.717	327950	-245463	-971252	SLD 11	0.6	2474	4.193	Si
192	-467	-5341	-15892	SLD 11	0.39	838	2.69	315523	-353084	-971252	SLD 11	0.48	1537	3.45	Si
212	-626	-5341	-16673	SLD 11	0.4	923	2.799	299892	460738	1886899	SLD 5	0.46	1324	3.245	Si
232	-784	-5341	-16464	SLD 11	0.39	872	2.734	281059	568410	1894654	SLD 5	0.38	803	2.643	Si
242	-864	-5341	-16443	SLD 11	0.39	858	2.716	270442	-622250	-1672585	SLD 11	0.42	1018	2.913	Si
262	-1023	-5341	-16415	SLD 11	0.39	834	2.685	260340	-669935	-1842063	SLD 11	0.42	1032	2.93	Si
280	-1163	-5341	-16415	SLD 11	0.38	815	2.659	260340	-669935	-1842055	SLD 11	0.42	1032	2.93	Si

Campata 9 tra i fili ? - ?, sezione R 45x70, asta 977

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	6.4	22.81	5.4	843258	SLU 30	783594	2802940	0.114						Si
11	15.21	6.4	22.81	5.4	783402	SLU 30	768261	2802940	0.114						Si
22	15.21	6.4	22.81	5.4	722270	SLU 30	722262	2802940	0.114						Si
23	15.21	6.4	22.81	5.4	721343	SLU 30	721343	2802940	0.114						Si
34	15.21	6.4	22.81	5.4	659861	SLU 30	721343	2802940	0.114						Si
45	15.21	6.4	22.81	5.4	596175	SLU 30	721343	2802940	0.114						Si
50	14.69	6.4	22.68	5.4	563854	SLU 30	721343	2785764	0.114						Si
61	13.64	6.3	21.18	5.4	498253	SLU 30	666339	2604199	0.11						Si
73	12.58	6.2	19.67	5.4	431376	SLU 30	602786	2422402	0.106						Si
84	19.59	6.5	15.21	5.4	363223	SLU 30	537956	1915535	0.097						Si
95	18.29	6.3	15.21	5.4	293793	SLU 30	471849	1908157	0.096						Si
106	20.92	6.4	15.21	5.4	223447	SLU 29	404465	1916658	0.096	115175	SLU 8	-24685	-2507465	0.099	Si
117	23.55	6.5	15.21	5.4	151835	SLU 29	335806	1925131	0.097	64331	SLU 8	-92427	-2810415	0.103	Si
123	24.87	6.5	15.21	5.4	115550	SLU 29	300997	1929335	0.097	38541	SLU 8	-128783	-2961883	0.106	Si
134	26.61	6.5	15.21	5.4	46018	SLU 11	230744	1934832	0.097	-17770	SLU 26	-132695	-3161896	0.109	Si
145	26.61	6.5	15.21	5.4	-14819	SLU 11	159264	1934832	0.097	-85035	SLU 26	-132695	-3161896	0.109	Si
153	26.61	6.5	15.21	5.4	-52575	SLU 2	111638	1934832	0.097	-132695	SLU 35	-132695	-3161896	0.109	Si
156	26.61	6.5	15.21	5.4						-157830	SLU 35	-154582	-3161896	0.109	Si
168	26.61	6.5	15.21	5.4						-232006	SLU 35	-181792	-3161896	0.109	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	6.4	22.81	5.4	2846147	SLV 7	2642422	2802940	0.114	-1659206	SLV 9	-1541089	-1842055	0.088	Si
11	15.21	6.4	22.81	5.4	2643297	SLV 7	2591684	2802940	0.114	-1542305	SLV 9	-1512417	-1842055	0.088	Si
22	15.21	6.4	22.81	5.4	2439482	SLV 7	2439470	2802940	0.114	-1426403	SLV 9	-1426402	-1842055	0.088	Si
23	15.21	6.4	22.81	5.4	2436429	SLV 7	2436429	2802940	0.114	-1424684	SLV 9	-1424684	-1842055	0.088	Si
34	15.21	6.4	22.81	5.4	2234705	SLV 7	2436429	2802940	0.114	-1311503	SLV 9	-1424684	-1842055	0.088	Si
45	15.21	6.4	22.81	5.4	2028972	SLV 7	2436429	2802940	0.114	-1197609	SLV 9	-1424684	-1842055	0.088	Si
50	14.69	6.4	22.68	5.4	1925748	SLV 7	2436429	2785764	0.114	-1141042	SLV 9	-1424684	-1783094	0.088	Si
61	13.64	6.3	21.18	5.4	1718591	SLV 7	2255880	2604199	0.11	-1028672	SLV 9	-1323344	-1662647	0.087	Si
73	12.58	6.2	19.67	5.4	1510497	SLV 7	2050245	2422402	0.106	-917329	SLV 9	-1209347	-1542163	0.086	Si
84	19.59	6.5	15.21	5.4	1301483	SLV 7	1843659	1915535	0.097	-807029	SLV 9	-1096362	-2350624	0.097	Si
95	18.29	6.3	15.21	5.4	1091570	SLV 7	1636129	1908157	0.096	-697795	SLV 9	-984398	-2204263	0.094	Si
106	20.92	6.4	15.21	5.4	880801	SLV 7	1427668	1916658	0.096	-589668	SLV 9	-873467	-2507465	0.099	Si
117	23.55	6.5	15.21	5.4	669251	SLV 7	1218294	1925131	0.097	-482724	SLV 9	-763587	-2810415	0.103	Si
123	24.87	6.5	15.21	5.4	563232	SLV 7	1113274	1929335	0.097	-429745	SLV 9	-709049	-2961883	0.106	Si
134	26.61	6.5	15.21	5.4	350956	SLV 7	902591	1934832	0.097	-325021	SLV 9	-600806	-3161896	0.109	Si
145	26.61	6.5	15.21	5.4	157082	SLV 3	691119	1934832	0.097	-240663	SLV 13	-493738	-3161896	0.109	Si
153	26.61	6.5	15.21	5.4	74851	SLV 3	551891	1934832	0.097	-231474	SLV 13	-424124	-3161896	0.109	Si
156	26.61	6.5	15.21	5.4	52315	SLV 1	45765	1934832	0.097	-247377	SLV 15	-235859	-3161896	0.109	Si
168	26.61	6.5	15.21	5.4	60315	SLV 5	15652	1934832	0.097	-368820	SLV 11	-264045	-3161896	0.109	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	6.4	22.81	5.4	1590349	SLD 7	1476333	2802940	0.114	-403408	SLD 9	-375000	-1842055	0.088	Si
11	15.21	6.4	22.81	5.4	1476626	SLD 7	1447730	2802940	0.114	-375634	SLD 9	-368463	-1842055	0.088	Si
22	15.21	6.4	22.81	5.4	1361928	SLD 7	1361920	2802940	0.114	-348849	SLD 9	-348849	-1842055	0.088	Si
23	15.21	6.4	22.81	5.4	1360206	SLD 7	1360206	2802940	0.114	-348460	SLD 9	-348460	-1842055	0.088	Si
34	15.21	6.4	22.81	5.4	1246258	SLD 7	1360206	2802940	0.114	-323055	SLD 9	-348460	-1842055	0.088	Si
45	15.21	6.4	22.81	5.4	1129616	SLD 7	1360206	2802940	0.114	-298254	SLD 9	-348460	-1842055	0.088	Si
50	14.69	6.4	22.68	5.4	1070932	SLD 7	1360206	2785764	0.114	-286227	SLD 9	-348460	-1783094	0.088	Si
61	13.64	6.3	21.18	5.4	952839	SLD 7	1258230	2604199	0.11	-262921	SLD 9	-325694	-1662647	0.087	Si
73	12.58	6.2	19.67	5.4	833785	SLD 7	1141688	2422402	0.106	-240617	SLD 9	-300790	-1542163	0.086	Si
84	19.59	6.5	15.21	5.4	713775	SLD 7	1024179	1915535	0.097	-219321	SLD 9	-276882	-2350624	0.097	Si
95	18.29	6.3	15.21	5.4	592820	SLD 7	905704	1908157	0.096	-199044	SLD 9	-253973	-2204263	0.094	Si
106	20.92	6.4	15.21	5.4	470937	SLD 7	786269	1916658	0.096	-179804	SLD 9	-232068	-2507465	0.099	Si
117	23.55	6.5	15.21	5.4	348161	SLD 7	665883	1925131	0.097	-161634	SLD 9	-211175	-2810415	0.103	Si
123	24.87	6.5	15.21	5.4	286458	SLD 7	605337	1929335	0.097	-152971	SLD 9	-201112	-2961883	0.106	Si
134	26.61	6.5	15.21	5.4	162533	SLD 7	483549	1934832	0.097	-136598	SLD 9	-181764	-3161896	0.109	Si
145	26.61	6.5	15.21	5.4	46207	SLD 3	360864	1934832	0.097	-129788	SLD 13	-163482	-3161896	0.109	Si
153	26.61	6.5	15.21	5.4	-10536	SLD 3	279844	1934832	0.097	-146088	SLD 13	-152078	-3161896	0.109	Si
156	26.61	6.5	15.21	5.4						-163788	SLD 15	-157363	-3161896	0.109	Si
168	26.61	6.5	15.21	5.4						-249139	SLD 11	-181434	-3161896	0.109	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	20.42	0	-5303	SLU 30	-5303	-13263	-76908	0	-13263	1	Si
11	0	18.92	0	-5417	SLU 30	-5417	-12930	-76908	0	-12930	1	Si
22	0	15.21	0	-5532	SLU 30	-5532	-12021	-76908	0	-12021	1	Si
23	0.209	15.21	0	-5533	SLU 30	-5533	-12021	-76908	-24240	-24240	1	Si
34	0.209	15.21	0	-5646	SLU 30	-5646	-12021	-76908	-24240	-24240	1	Si
45	0.209	15.21	0	-5760	SLU 30	-5760	-12021	-76908	-24240	-24240	1	Si
50	0.209	15.21	0	-5817	SLU 30	-5817	-12021	-76908	-24240	-24240	1	Si
61	0.209	15.21	0	-5932	SLU 30	-5932	-12021	-76908	-24240	-24240	1	Si
73	0.209	15.21	0	-6046	SLU 30	-6046	-12021	-76908	-24240	-24240	1	Si
84	0.209	15.21	0	-6160	SLU 30	-6160	-12021	-76908	-24240	-24240	1	Si
95	0.209	15.21	0	-6275	SLU 30	-6275	-12021	-76908	-24240	-24240	1	Si
106	0.209	15.21	0	-6389	SLU 30	-6389	-12021	-76908	-24240	-24240	1	Si
117	0.209	15.21	0	-6503	SLU 30	-6503	-12021	-76908	-24240	-24240	1	Si
123	0.209	15.21	0	-6561	SLU 30	-6561	-12021	-76908	-24240	-24240	1	Si
134	0.209	15.21	0	-6675	SLU 30	-6675	-12021	-76908	-24240	-24240	1	Si
145	0.209	19.59	0	-6789	SLU 30	-6789	-12967	-75548	-23811	-23811	1	Si
153	0.209	20.38	0	-6864	SLU 30	-6864	-13139	-75548	-23811	-23811	1	Si
156	0	18.29	0	-6904	SLU 30	-6904	-12674	-75548	0	-12674	1	Si
168	0	20.92	0	-7018	SLU 30	-7018	-13255	-75548	0	-13255	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.64	0	10524	SLV 9	14250	11505	75718	0	11505	1	Si
0	0	20.42	0	-18133	SLV 7	-21859	-13263	-76908	0	-13263	1	Si
11	0	12.58	0	10436	SLV 9	14162	11201	75718	0	11201	1	Si
11	0	18.92	0	-18221	SLV 7	-21947	-12930	-76908	0	-12930	1	Si
22	0	15.21	0	10348	SLV 9	14074	11930	75718	0	11930	1	Si
22	0	15.21	0	-18309	SLV 7	-22035	-12021	-76908	0	-12021	1	Si
23	0.209	15.21	0	10347	SLV 9	14073	11930	75718	23864	23864	1	Si
23	0.209	15.21	0	-18310	SLV 7	-22036	-12021	-76908	-24240	-24240	1	Si
34	0.209	15.21	0	10260	SLV 9	13986	11930	75718	23864	23864	1	Si
34	0.209	15.21	0	-18397	SLV 7	-22123	-12021	-76908	-24240	-24240	1	Si
45	0.209	15.21	0	10173	SLV 9	13898	11930	75718	23864	23864	1	Si
45	0.209	15.21	0	-18485	SLV 7	-22210	-12021	-76908	-24240	-24240	1	Si
50	0.209	15.21	0	10129	SLV 9	13854	11933	75760	23878	23878	1	Si
50	0.209	15.21	0	-18529	SLV 7	-22254	-12021	-76908	-24240	-24240	1	Si
61	0.209	15.21	0	10041	SLV 9	13766	11940	75855	23908	23908	1	Si
61	0.209	15.21	0	-18617	SLV 7	-22342	-12021	-76908	-24240	-24240	1	Si
73	0.209	15.21	0	9953	SLV 9	13678	11949	75966	23942	23942	1	Si
73	0.209	15.21	0	-18705	SLV 7	-22430	-12021	-76908	-24240	-24240	1	Si
84	0.209	15.21	0	9865	SLV 9	13590	11925	75647	23842	23842	1	Si
84	0.209	15.21	0	-18793	SLV 7	-22518	-12021	-76908	-24240	-24240	1	Si
95	0.209	15.21	0	9777	SLV 9	13502	11936	75795	23889	23889	1	Si
95	0.209	15.21	0	-18881	SLV 7	-22606	-12021	-76908	-24240	-24240	1	Si
106	0.209	15.21	0	9689	SLV 9	13414	11928	75696	23857	23857	1	Si
106	0.209	15.21	0	-18969	SLV 7	-22694	-12021	-76908	-24240	-24240	1	Si
117	0.209	14.16	0	9601	SLV 9	13326	11644	75618	23833	23833	1	Si
117	0.209	15.21	0	-19057	SLV 7	-22782	-12021	-76908	-24240	-24240	1	Si
123	0.209	13.64	0	9557	SLV 9	13282	11495	75586	23823	23823	1	Si
123	0.209	15.21	0	-19101	SLV 7	-22826	-12021	-76908	-24240	-24240	1	Si
134	0.209	12.58	0	9469	SLV 9	13195	11189	75548	23811	23811	1	Si
134	0.209	15.21	0	-19189	SLV 7	-22914	-12021	-76908	-24240	-24240	1	Si
145	0.209	19.59	0	9381	SLV 9	13107	12967	75548	23811	23811	1	Si
145	0.209	15.21	0	-19276	SLV 7	-23002	-12021	-76908	-24240	-24240	1	Si
153	0.209	20.38	0	9323	SLV 9	13049	13139	75548	23811	23811	1	Si
153	0.209	20.38	0	-19334	SLV 7	-23060	-13139	-75548	-23811	-23811	1	Si
156	0	18.29	0	9293	SLV 9	13019	12674	75548	0	12674	1	Si
156	0	18.29	0	-19364	SLV 7	-23090	-12674	-75548	0	-12674	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
168	0	20.92	0	9205	SLV 9	12931	13255	75548	0	13255	1	Si
168	0	20.92	0	-19452	SLV 7	-23178	-13255	-75548	0	-13255	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.64	0	2536	SLD 9	2536	11505	75718	0	11505	1	Si
0	0	20.42	0	-10145	SLD 7	-10145	-13263	-76908	0	-13263	1	Si
11	0	12.58	0	2448	SLD 9	2448	11201	75718	0	11201	1	Si
11	0	18.92	0	-10233	SLD 7	-10233	-12930	-76908	0	-12930	1	Si
22	0	15.21	0	2360	SLD 9	2360	11930	75718	0	11930	1	Si
22	0	15.21	0	-10321	SLD 7	-10321	-12021	-76908	0	-12021	1	Si
23	0.209	15.21	0	2359	SLD 9	2359	11930	75718	23864	23864	1	Si
23	0.209	15.21	0	-10322	SLD 7	-10322	-12021	-76908	-24240	-24240	1	Si
34	0.209	15.21	0	2272	SLD 9	2272	11930	75718	23864	23864	1	Si
34	0.209	15.21	0	-10409	SLD 7	-10409	-12021	-76908	-24240	-24240	1	Si
45	0.209	15.21	0	2185	SLD 9	2185	11930	75718	23864	23864	1	Si
45	0.209	15.21	0	-10497	SLD 7	-10497	-12021	-76908	-24240	-24240	1	Si
50	0.209	15.21	0	2141	SLD 9	2141	11933	75760	23878	23878	1	Si
50	0.209	15.21	0	-10541	SLD 7	-10541	-12021	-76908	-24240	-24240	1	Si
61	0.209	15.21	0	2053	SLD 9	2053	11940	75855	23908	23908	1	Si
61	0.209	15.21	0	-10629	SLD 7	-10629	-12021	-76908	-24240	-24240	1	Si
73	0.209	15.21	0	1965	SLD 9	1965	11949	75966	23942	23942	1	Si
73	0.209	15.21	0	-10717	SLD 7	-10717	-12021	-76908	-24240	-24240	1	Si
84	0.209	15.21	0	1877	SLD 9	1877	11925	75647	23842	23842	1	Si
84	0.209	15.21	0	-10805	SLD 7	-10805	-12021	-76908	-24240	-24240	1	Si
95	0.209	15.21	0	1789	SLD 9	1789	11936	75795	23889	23889	1	Si
95	0.209	15.21	0	-10893	SLD 7	-10893	-12021	-76908	-24240	-24240	1	Si
106	0.209	15.21	0	1701	SLD 9	1701	11928	75696	23857	23857	1	Si
106	0.209	15.21	0	-10981	SLD 7	-10981	-12021	-76908	-24240	-24240	1	Si
117	0.209	14.16	0	1613	SLD 9	1613	11644	75618	23833	23833	1	Si
117	0.209	15.21	0	-11069	SLD 7	-11069	-12021	-76908	-24240	-24240	1	Si
123	0.209	13.64	0	1569	SLD 9	1569	11495	75586	23823	23823	1	Si
123	0.209	15.21	0	-11113	SLD 7	-11113	-12021	-76908	-24240	-24240	1	Si
134	0.209	12.58	0	1481	SLD 9	1481	11189	75548	23811	23811	1	Si
134	0.209	15.21	0	-11201	SLD 7	-11201	-12021	-76908	-24240	-24240	1	Si
145	0.209	19.59	0	1393	SLD 9	1393	12967	75548	23811	23811	1	Si
145	0.209	15.21	0	-11288	SLD 7	-11288	-12021	-76908	-24240	-24240	1	Si
153	0.209	20.38	0	1335	SLD 9	1335	13139	75548	23811	23811	1	Si
153	0.209	20.38	0	-11346	SLD 7	-11346	-13139	-75548	-23811	-23811	1	Si
156	0	18.29	0	1305	SLD 9	1305	12674	75548	0	12674	1	Si
156	0	18.29	0	-11376	SLD 7	-11376	-12674	-75548	0	-12674	1	Si
168	0	20.92	0	1217	SLD 9	1217	13255	75548	0	13255	1	Si
168	0	20.92	0	-11464	SLD 7	-11464	-13255	-75548	0	-13255	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	624673	3	580291	15.3	124.5	442.3	1837	593471	2	550666	14.5	93.4	0	+∞	Si
11	580133	3	568870	15	124.5	433.6	1837	550496	2	539633	14.2	93.4	0	+∞	Si
22	534611	3	534605	14.1	124.5	407.5	1837	506540	2	506534	13.4	93.4	0	+∞	Si
23	533920	3	533920	14.1	124.5	407	1837	505873	2	505873	13.3	93.4	0	+∞	Si
34	488107	3	533920	14.1	124.5	407	1837	461601	2	505873	13.3	93.4	0	+∞	Si
45	440621	3	533920	14.1	124.5	407	1837	415681	2	505873	13.3	93.4	0	+∞	Si
50	416509	3	533920	14.2	124.5	409.3	1837	392353	2	505873	13.4	93.4	0	+∞	Si
61	367550	3	492935	13.5	124.5	403.8	1837	344959	2	466268	12.8	93.4	0	+∞	Si
73	317609	3	445550	12.7	124.5	391.9	1837	296584	2	420449	12	93.4	0	+∞	Si
84	266686	3	397184	11.5	124.5	446.1	1837	247227	2	373648	10.8	93.4	0	+∞	Si
95	214781	3	347835	10.1	124.5	390.7	1837	196888	2	325865	9.5	93.4	0	+∞	Si
106	162135	2	297505	8.5	124.5	333.9	1837	145567	2	277101	7.9	93.4	0	+∞	Si
117	108513	2	246192	6.8	124.5	276.1	1837	93263	2	227354	6.3	93.4	0	+∞	Si
123	81334	2	220168	6	124.5	246.8	1837	66744	2	202112	5.5	93.4	0	+∞	Si
134	26240	2	167597	4.5	124.5	187.8	1837	12968	2	150893	4.1	93.4	0	+∞	Si
134	-10647	8	-100598	2.6	124.5	68.9	1837	-6941	1	-94944	2.4	93.4	0	+∞	Si
145	-64603	8	-100598	2.6	124.5	68.9	1837	-59722	1	-94944	2.4	93.4	0	+∞	Si
153	-100598	8	-100598	2.6	124.5	68.9	1837	-94944	1	-94944	2.4	93.4	0	+∞	Si
156	-119541	8	-117093	3	124.5	80.2	1837	-113484	1	-111088	2.8	93.4	0	+∞	Si
168	-175461	8	-137599	3.5	124.5	94.3	1837	-168229	1	-131157	3.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
11	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
22	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
23	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
34	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
45	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.002	2	0.001	2	9999	Si
50	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.001	2	0.001	2	9999	Si
61	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
73	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
84	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	-0.001	2	-0.001	2	9999	Si
95	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
106	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	2	-0.004	2	9999	Si
117	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.003	-0.003	-0.004	2	-0.005	2	9999	Si
123	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	2	-0.006	2	9999	Si
134	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.007	2	-0.007	2	9999	Si
145	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.008	2	-0.008	2	9999	Si
153	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.009	2	-0.009	2	9999	Si
156	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.009	2	-0.01	2	9999	Si
168	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.011	2	-0.011	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-3982	-18054	-24240	SLV 7	0.41	942	1.122	505873	1930557	2802940	SLV 7	0.43	1097	1.194	Si
34	-4068	-18054	-24240	SLV 7	0.4	932	1.117	505873	1930557	2802940	SLV 7	0.43	1097	1.194	Si
45	-4156	-18054	-24240	SLV 7	0.4	923	1.112	505873	1930557	2802940	SLV 7	0.43	1097	1.194	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
50	-4200	-18054	-24240	SLV 7	0.4	918	1.11	505873	1930557	2785764	SLV 7	0.43	1076	1.184	Si
61	-4288	-18054	-24240	SLV 7	0.4	908	1.105	466268	-1789612	-1662647	SLV 9	0.43	1097	1.194	Si
73	-4376	-18054	-24240	SLV 7	0.4	898	1.1	420449	-1629796	-1542163	SLV 9	0.43	1133	1.21	Si
84	-4464	-18054	-24240	SLV 7	0.4	888	1.095	373648	1470010	1915535	SLV 7	0.38	799	1.048	Si
95	-4552	-18054	-24240	SLV 7	0.4	879	1.09	325865	1310263	1908157	SLV 7	0.44	1141	1.213	Si
106	-4640	-18054	-24240	SLV 7	0.39	869	1.085	277101	1150567	1916658	SLV 7	0.51	1772	1.453	Si
117	-4728	-18054	-24240	SLV 7	0.39	860	1.081	227354	990941	1925131	SLV 7	0.57	2474	1.666	Si
123	-4772	-18054	-24240	SLV 7	0.39	855	1.078	202112	911161	1929335	SLV 7	0.57	2474	1.666	Si
134	-4860	-18054	-24240	SLV 7	0.39	846	1.073	150893	751699	1934832	SLV 7	0.57	2474	1.666	Si
145	-4948	-18054	-24240	SLV 7	0.39	836	1.068	98691	592429	1934832	SLV 7	0.57	2474	1.666	Si
153	-5005	-18054	-23811	SLV 7	0.38	786	1.041	-78312	153162	1934832	SLV 3	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-3982	-6341	-24240	SLD 7	0.43	1083	2.988	505873	854333	2802940	SLD 7	0.36	703	2.503	Si
34	-4068	-6341	-24240	SLD 7	0.43	1072	2.976	505873	854333	2802940	SLD 7	0.36	703	2.503	Si
45	-4156	-6341	-24240	SLD 7	0.42	1059	2.961	505873	854333	2802940	SLD 7	0.36	703	2.503	Si
50	-4200	-6341	-24240	SLD 7	0.42	1053	2.954	505873	854333	2785764	SLD 7	0.36	691	2.485	Si
61	-4288	-6341	-24240	SLD 7	0.42	1040	2.939	466268	-791962	-1662647	SLD 9	0.36	703	2.503	Si
73	-4376	-6341	-24240	SLD 7	0.42	1027	2.924	420449	-721239	-1542163	SLD 9	0.37	725	2.535	Si
84	-4464	-6341	-24240	SLD 7	0.42	1016	2.911	373648	650530	1915535	SLD 7	0.32	519	2.21	Si
95	-4552	-6341	-24240	SLD 7	0.42	1003	2.896	325865	579838	1908157	SLD 7	0.37	730	2.542	Si
106	-4640	-6341	-24240	SLD 7	0.41	991	2.881	277101	509168	1916658	SLD 7	0.43	1108	3.016	Si
117	-4728	-6341	-24240	SLD 7	0.41	979	2.867	227354	438529	1925131	SLD 7	0.51	1808	3.687	Si
123	-4772	-6341	-24240	SLD 7	0.41	973	2.86	202112	403224	1929335	SLD 7	0.56	2369	4.119	Si
134	-4860	-6341	-24240	SLD 7	0.41	963	2.848	150893	332657	1934832	SLD 7	0.6	2474	4.193	Si
145	-4948	-6341	-24240	SLD 7	0.41	951	2.833	98691	262173	1934832	SLD 7	0.6	2474	4.193	Si
153	-5005	-6341	-23811	SLD 7	0.4	894	2.762	-78312	67776	1934832	SLD 3	0.6	2474	4.193	Si

Campata 10 tra i fili ? - ?, sezione R 45x70, asta 978

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	6.5	15.21	5.4						-230948	SLU 35	-230948	-3161896	0.109	Si
12	26.61	6.5	15.21	5.4						-284742	SLU 35	-284742	-3161896	0.109	Si
15	26.61	6.5	15.21	5.4						-301423	SLU 35	-478512	-3161896	0.109	Si
23	26.61	6.5	15.21	5.4						-342357	SLU 36	-533480	-3161896	0.109	Si
35	26.61	6.5	15.21	5.4						-413545	SLU 30	-613686	-3161896	0.109	Si
46	26.61	6.5	15.21	5.4						-491682	SLU 30	-695246	-3161896	0.109	Si
52	26.61	6.5	15.21	5.4						-531259	SLU 30	-736534	-3161896	0.109	Si
63	26.61	6.5	15.21	5.4						-611427	SLU 30	-820124	-3161896	0.109	Si
75	26.61	6.5	15.21	5.4						-692949	SLU 30	-905073	-3161896	0.109	Si
86	26.61	6.5	15.21	5.4						-775825	SLU 30	-991639	-3161896	0.109	Si
98	26.61	6.5	15.21	5.4						-860055	SLU 30	-1079558	-3161896	0.109	Si
109	32.25	6.3	18.89	5.4						-945770	SLU 29	-1168831	-3828471	0.113	Si
121	33.88	6.3	20.44	5.4						-1032974	SLU 29	-1259458	-4020641	0.113	Si
127	34.69	6.3	21.21	5.4						-1077084	SLU 29	-1260892	-4116761	0.113	Si
138	36.32	6.2	22.76	5.4						-1166320	SLU 29	-1260892	-4308854	0.114	Si
150	38.01	6.2	22.81	5.4						-1260892	SLU 29	-1260892	-4509283	0.116	Si
161	38.01	6.2	22.81	5.4						-1348852	SLU 29	-1326893	-4509283	0.116	Si
173	38.01	6.2	22.81	5.4						-1442150	SLU 29	-1350232	-4509283	0.116	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	6.5	15.21	5.4	59257	SLV 5	59257	1934832	0.097	-365926	SLV 11	-365926	-3161896	0.109	Si
12	26.61	6.5	15.21	5.4	135758	SLV 5	127450	1934832	0.097	-540435	SLV 11	-535632	-3161896	0.109	Si
15	26.61	6.5	15.21	5.4	151266	SLV 9	449493	1934832	0.097	-586247	SLV 7	-1143108	-3161896	0.109	Si
23	26.61	6.5	15.21	5.4	235850	SLV 9	530815	1934832	0.097	-740618	SLV 7	-1297897	-3161896	0.109	Si
35	26.61	6.5	15.21	5.4	351960	SLV 9	647048	1934832	0.097	-958902	SLV 7	-1521570	-3161896	0.109	Si
46	26.61	6.5	15.21	5.4	469152	SLV 9	762380	1934832	0.097	-1180351	SLV 7	-1746424	-3161896	0.109	Si
52	26.61	6.5	15.21	5.4	527575	SLV 9	819686	1934832	0.097	-1291683	SLV 7	-1859272	-3161896	0.109	Si
63	26.61	6.5	15.21	5.4	643832	SLV 9	933559	1934832	0.097	-1515322	SLV 7	-2085792	-3161896	0.109	Si
75	26.61	6.5	15.21	5.4	759190	SLV 9	1046429	1934832	0.097	-1740144	SLV 7	-2313391	-3161896	0.109	Si
86	26.61	6.5	15.21	5.4	873585	SLV 9	1158284	1934832	0.097	-1966086	SLV 7	-2542058	-3161896	0.109	Si
98	26.61	6.5	15.21	5.4	986986	SLV 9	1269115	1934832	0.097	-2193118	SLV 7	-2771785	-3161896	0.109	Si
109	32.25	6.3	18.89	5.4	1099378	SLV 9	1378919	2370324	0.098	-2421222	SLV 7	-3002568	-3828471	0.113	Si
121	33.88	6.3	20.44	5.4	1210750	SLV 9	1487692	2553465	0.099	-2650391	SLV 7	-3234402	-4020641	0.113	Si
127	34.69	6.3	21.21	5.4	1266052	SLV 9	1489383	2644899	0.099	-2765372	SLV 7	-3238043	-4116761	0.113	Si
138	36.32	6.2	22.76	5.4	1375885	SLV 9	1489383	2828022	0.1	-2996125	SLV 7	-3238043	-4308854	0.114	Si
150	38.01	6.2	22.81	5.4	1489383	SLV 9	1489383	2833828	0.099	-3238043	SLV 7	-3238043	-4509283	0.116	Si
161	38.01	6.2	22.81	5.4	1592455	SLV 9	1567647	2833828	0.099	-3460785	SLV 7	-3406020	-4509283	0.116	Si
173	38.01	6.2	22.81	5.4	1699189	SLV 9	1595322	2833828	0.099	-3694688	SLV 7	-3465418	-4509283	0.116	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	6.5	15.21	5.4						-247346	SLD 11	-247346	-3161896	0.109	Si
12	26.61	6.5	15.21	5.4						-351902	SLD 11	-350762	-3161896	0.109	Si
15	26.61	6.5	15.21	5.4	-54356	SLD 9	5533	1934832	0.097	-380626	SLD 7	-699148	-3161896	0.109	Si
23	26.61	6.5	15.21	5.4	-36377	SLD 9	21043	1934832	0.097	-468391	SLD 7	-788125	-3161896	0.109	Si
35	26.61	6.5	15.21	5.4	-13470	SLD 9	42532	1934832	0.097	-593472	SLD 7	-917053	-3161896	0.109	Si
46	26.61	6.5	15.21	5.4	9331	SLD 9	63041	1934832	0.097	-720530	SLD 7	-1047085	-3161896	0.109	Si
52	26.61	6.5	15.21	5.4	20437	SLD 9	72919	1934832	0.097	-784546	SLD 7	-1112505	-3161896	0.109	Si
63	26.61	6.5	15.21	5.4	41954	SLD 9	91912	1934832	0.097	-913444	SLD 7	-1244144	-3161896	0.109	Si
75	26.61	6.5	15.21	5.4	62491	SLD 9	109879	1934832	0.097	-1043445	SLD 7	-1376842	-3161896	0.109	Si
86	26.61	6.5	15.21	5.4	82021	SLD 9	126817	1934832	0.097	-1174522	SLD 7	-1510592	-3161896	0.109	Si
98	26.61	6.5	15.21	5.4	100530	SLD 9	142722	1934832	0.097	-1306662	SLD 7	-1645392	-3161896	0.109	Si
109	32.25	6.3	18.89	5.4	118012	SLD 9	157591	2370324	0.098	-1439857	SLD 7	-1781240	-3828471	0.113	Si
121	33.88	6.3	20.44	5.4	134463	SLD 9	171424	2553465	0.099	-1574103	SLD 7	-1918133	-4020641	0.113	Si
127	34.69	6.3	21.21	5.4	142300	SLD 9	171628	2644899	0.099	-1641620	SLD 7	-1920288	-4116761	0.113	Si
138	36.32	6.2	22.76	5.4	157198	SLD 9	171628	2828022	0.1	-1777438	SLD 7	-1920288	-4308854	0.114	Si
150	38.01	6.2	22.81	5.4	171628	SLD 9	171628	2833828	0.099	-1920288	SLD 7	-1920288	-4509283	0.116	Si
161	38.01	6.2	22.81	5.4	183883	SLD 9	181255	2833828	0.099	-2052213	SLD 7	-2019628	-4509283	0.116	Si
173	38.01	6.2	22.81	5.4	195668	SLD 9	184659	2833828	0.099	-2191167	SLD 7	-2054755	-4509283	0.116	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	-6406	SLU 29	-6406	-14361	-75548	0	-14361	1	Si
12	0	26.61	0	-6523	SLU 29	-6523	-14361	-75548	0	-14361	1	Si
15	0.216	26.61	0	-6559	SLU 29	-6559	-14361	-75548	-24627	-24627	1	Si
23	0.216	26.61	0	-6641	SLU 29	-6641	-14361	-75548	-24627	-24627	1	Si
35	0.216	26.61	0	-6759	SLU 29	-6759	-14361	-75548	-24627	-24627	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
46	0.216	26.61	0	-6877	SLU 29	-6877	-14361	-75548	-24627	-24627	1	Si
52	0.216	26.61	0	-6935	SLU 29	-6935	-14361	-75548	-24627	-24627	1	Si
63	0.216	26.61	0	-7053	SLU 29	-7053	-14361	-75548	-24627	-24627	1	Si
75	0.216	26.61	0	-7171	SLU 29	-7171	-14361	-75548	-24627	-24627	1	Si
86	0.216	26.61	0	-7289	SLU 29	-7289	-14361	-75548	-24627	-24627	1	Si
98	0.216	26.61	0	-7406	SLU 29	-7406	-14361	-75548	-24627	-24627	1	Si
109	0.216	26.61	0	-7524	SLU 29	-7524	-14383	-75786	-24705	-24705	1	Si
121	0.216	26.61	0	-7642	SLU 29	-7642	-14388	-75840	-24722	-24722	1	Si
127	0.216	26.61	0	-7701	SLU 29	-7701	-14390	-75865	-24731	-24731	1	Si
138	0.216	26.61	0	-7818	SLU 29	-7818	-14394	-75911	-24746	-24746	1	Si
150	0.216	26.61	0	-7941	SLU 29	-7941	-14398	-75956	-24760	-24760	1	Si
161	0	26.61	0	-8054	SLU 29	-8054	-14398	-75956	0	-14398	1	Si
173	0	32.25	0	-8172	SLU 29	-8172	-15352	-75956	0	-15352	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	10598	SLV 9	14450	14361	75548	0	14361	1	Si
0	0	26.61	0	-19030	SLV 7	-22882	-14361	-75548	0	-14361	1	Si
12	0	15.21	0	10507	SLV 9	14359	12021	76908	0	12021	1	Si
12	0	26.61	0	-19120	SLV 7	-22972	-14361	-75548	0	-14361	1	Si
15	0.216	15.21	0	10480	SLV 9	14332	12021	76908	25071	25071	1	Si
15	0.216	26.61	0	-19148	SLV 7	-23000	-14361	-75548	-24627	-24627	1	Si
23	0.216	15.21	0	10417	SLV 9	14269	12021	76908	25071	25071	1	Si
23	0.216	26.61	0	-19211	SLV 7	-23063	-14361	-75548	-24627	-24627	1	Si
35	0.216	15.21	0	10326	SLV 9	14178	12021	76908	25071	25071	1	Si
35	0.216	26.61	0	-19302	SLV 7	-23153	-14361	-75548	-24627	-24627	1	Si
46	0.216	15.21	0	10236	SLV 9	14087	12021	76908	25071	25071	1	Si
46	0.216	26.61	0	-19392	SLV 7	-23244	-14361	-75548	-24627	-24627	1	Si
52	0.216	15.21	0	10190	SLV 9	14042	12021	76908	25071	25071	1	Si
52	0.216	26.61	0	-19437	SLV 7	-23289	-14361	-75548	-24627	-24627	1	Si
63	0.216	15.21	0	10100	SLV 9	13952	12021	76908	25071	25071	1	Si
63	0.216	26.61	0	-19528	SLV 7	-23380	-14361	-75548	-24627	-24627	1	Si
75	0.216	15.21	0	10009	SLV 9	13861	12021	76908	25071	25071	1	Si
75	0.216	26.61	0	-19619	SLV 7	-23470	-14361	-75548	-24627	-24627	1	Si
86	0.216	15.21	0	9919	SLV 9	13770	12021	76908	25071	25071	1	Si
86	0.216	26.61	0	-19709	SLV 7	-23561	-14361	-75548	-24627	-24627	1	Si
98	0.216	15.21	0	9828	SLV 9	13680	12021	76908	25071	25071	1	Si
98	0.216	26.61	0	-19800	SLV 7	-23651	-14361	-75548	-24627	-24627	1	Si
109	0.216	15.21	0	9738	SLV 9	13589	12021	76908	25071	25071	1	Si
109	0.216	26.61	0	-19890	SLV 7	-23742	-14383	-75786	-24705	-24705	1	Si
121	0.216	15.21	0	9647	SLV 9	13499	12021	76908	25071	25071	1	Si
121	0.216	26.61	0	-19981	SLV 7	-23832	-14388	-75840	-24722	-24722	1	Si
127	0.216	15.21	0	9602	SLV 9	13453	12021	76908	25071	25071	1	Si
127	0.216	26.61	0	-20026	SLV 7	-23878	-14390	-75865	-24731	-24731	1	Si
138	0.216	15.21	0	9511	SLV 9	13363	12021	76908	25071	25071	1	Si
138	0.216	26.61	0	-20117	SLV 7	-23968	-14394	-75911	-24746	-24746	1	Si
150	0.216	15.21	0	9417	SLV 9	13268	12021	76908	25071	25071	1	Si
150	0.216	26.61	0	-20211	SLV 7	-24063	-14398	-75956	-24760	-24760	1	Si
161	0	15.21	0	9330	SLV 9	13182	12021	76908	0	12021	1	Si
161	0	26.61	0	-20298	SLV 7	-24149	-14398	-75956	0	-14398	1	Si
173	0	18.89	0	9240	SLV 9	13091	12922	76908	0	12922	1	Si
173	0	32.25	0	-20388	SLV 7	-24240	-15352	-75956	0	-15352	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	2340	SLD 9	2340	14361	75548	0	14361	1	Si
0	0	26.61	0	-10771	SLD 7	-10771	-14361	-75548	0	-14361	1	Si
12	0	26.61	0	2249	SLD 9	2249	14361	75548	0	14361	1	Si
12	0	26.61	0	-10862	SLD 7	-10862	-14361	-75548	0	-14361	1	Si
15	0.216	26.61	0	2221	SLD 9	2221	14361	75548	24627	24627	1	Si
15	0.216	26.61	0	-10890	SLD 7	-10890	-14361	-75548	-24627	-24627	1	Si
23	0.216	26.61	0	2158	SLD 9	2158	14361	75548	24627	24627	1	Si
23	0.216	26.61	0	-10953	SLD 7	-10953	-14361	-75548	-24627	-24627	1	Si
35	0.216	26.61	0	2068	SLD 9	2068	14361	75548	24627	24627	1	Si
35	0.216	26.61	0	-11043	SLD 7	-11043	-14361	-75548	-24627	-24627	1	Si
46	0.216	15.21	0	1977	SLD 9	1977	12021	76908	25071	25071	1	Si
46	0.216	26.61	0	-11134	SLD 7	-11134	-14361	-75548	-24627	-24627	1	Si
52	0.216	15.21	0	1932	SLD 9	1932	12021	76908	25071	25071	1	Si
52	0.216	26.61	0	-11179	SLD 7	-11179	-14361	-75548	-24627	-24627	1	Si
63	0.216	15.21	0	1841	SLD 9	1841	12021	76908	25071	25071	1	Si
63	0.216	26.61	0	-11269	SLD 7	-11269	-14361	-75548	-24627	-24627	1	Si
75	0.216	15.21	0	1751	SLD 9	1751	12021	76908	25071	25071	1	Si
75	0.216	26.61	0	-11360	SLD 7	-11360	-14361	-75548	-24627	-24627	1	Si
86	0.216	15.21	0	1660	SLD 9	1660	12021	76908	25071	25071	1	Si
86	0.216	26.61	0	-11451	SLD 7	-11451	-14361	-75548	-24627	-24627	1	Si
98	0.216	15.21	0	1570	SLD 9	1570	12021	76908	25071	25071	1	Si
98	0.216	26.61	0	-11541	SLD 7	-11541	-14361	-75548	-24627	-24627	1	Si
109	0.216	15.21	0	1479	SLD 9	1479	12021	76908	25071	25071	1	Si
109	0.216	26.61	0	-11632	SLD 7	-11632	-14383	-75786	-24705	-24705	1	Si
121	0.216	15.21	0	1389	SLD 9	1389	12021	76908	25071	25071	1	Si
121	0.216	26.61	0	-11722	SLD 7	-11722	-14388	-75840	-24722	-24722	1	Si
127	0.216	15.21	0	1343	SLD 9	1343	12021	76908	25071	25071	1	Si
127	0.216	26.61	0	-11768	SLD 7	-11768	-14390	-75865	-24731	-24731	1	Si
138	0.216	15.21	0	1253	SLD 9	1253	12021	76908	25071	25071	1	Si
138	0.216	26.61	0	-11858	SLD 7	-11858	-14394	-75911	-24746	-24746	1	Si
150	0.216	15.21	0	1158	SLD 9	1158	12021	76908	25071	25071	1	Si
150	0.216	26.61	0	-11953	SLD 7	-11953	-14398	-75956	-24760	-24760	1	Si
161	0	15.21	0	1072	SLD 9	1072	12021	76908	0	12021	1	Si
161	0	26.61	0	-12039	SLD 7	-12039	-14398	-75956	0	-14398	1	Si
173	0	18.89	0	981	SLD 9	981	12922	76908	0	12922	1	Si
173	0	32.25	0	-12130	SLD 7	-12130	-15352	-75956	0	-15352	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-174668	8	-174668	4.5	124.5	119.7	1837	-167429	1	-167429	4.3	93.4	0	+∞	Si
12	-215142	8	-215142	5.5	124.5	147.4	1837	-208681	1	-208681	5.3	93.4	0	+∞	Si
15	-227698	8	-358137	9.1	124.5	245.4	1837	-221474	1	-346807	8.8	93.4	0	+∞	Si
23	-258301	9	-398343	10.2	124.5	272.9	1837	-252384	2	-383541	9.8	93.4	0	+∞	Si
35	-310648	3	-457053	11.7	124.5	313.1	1837	-303471	2	-437261	11.1	93.4	0	+∞	Si
46	-367767	3	-516804	13.2	124.5	354.1	1837	-355600	2	-492022	12.5	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
52	-396717	3	-547070	13.9	124.5	374.8	1837	-382054	2	-519793	13.3	93.4	0	+∞	Si
63	-455398	3	-608384	15.5	124.5	416.8	1837	-435745	2	-576116	14.7	93.4	0	+∞	Si
75	-515121	3	-670742	17.1	124.5	459.5	1837	-490477	2	-633481	16.1	93.4	0	+∞	Si
86	-575885	3	-734317	18.7	124.5	503.1	1837	-546251	2	-691887	17.6	93.4	0	+∞	Si
98	-637690	3	-798933	20.4	124.5	547.4	1837	-603066	2	-751335	19.2	93.4	0	+∞	Si
109	-700624	2	-864590	19.9	124.5	487.2	1837	-660922	2	-811824	18.6	93.4	0	+∞	Si
121	-764690	2	-931289	20.7	124.5	498.9	1837	-719820	2	-873355	19.4	93.4	0	+∞	Si
127	-797114	2	-932345	20.4	124.5	487.5	1837	-749660	2	-874330	19.1	93.4	0	+∞	Si
138	-862742	2	-932345	19.8	124.5	465.1	1837	-810120	2	-874330	18.6	93.4	0	+∞	Si
150	-932345	2	-932345	19.5	124.5	444.6	1837	-874330	2	-874330	18.3	93.4	0	+∞	Si
161	-997123	2	-980936	20.6	124.5	467.8	1837	-934165	2	-919186	19.3	93.4	0	+∞	Si
173	-1065876	2	-998119	20.9	124.5	476	1837	-997750	2	-935048	19.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.011	2	-0.011	2	9999	Si
12	-0.007	-0.007	-0.005	-0.006	-0.007	-0.007	-0.005	-0.005	-0.007	-0.007	-0.012	2	-0.012	2	9999	Si
15	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.012	1	-0.012	1	9999	Si
23	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.013	1	-0.013	1	9999	Si
35	-0.008	-0.008	-0.006	-0.007	-0.008	-0.008	-0.006	-0.006	-0.008	-0.008	-0.014	1	-0.014	1	9999	Si
46	-0.008	-0.008	-0.006	-0.007	-0.008	-0.008	-0.006	-0.007	-0.008	-0.008	-0.014	1	-0.015	1	9999	Si
52	-0.008	-0.008	-0.007	-0.007	-0.008	-0.008	-0.007	-0.007	-0.008	-0.008	-0.015	1	-0.015	1	9999	Si
63	-0.008	-0.009	-0.007	-0.007	-0.008	-0.008	-0.007	-0.007	-0.008	-0.008	-0.015	1	-0.016	1	9999	Si
75	-0.008	-0.009	-0.007	-0.007	-0.008	-0.009	-0.007	-0.007	-0.008	-0.008	-0.015	1	-0.016	1	9999	Si
86	-0.008	-0.009	-0.007	-0.007	-0.008	-0.008	-0.007	-0.007	-0.008	-0.008	-0.015	1	-0.015	1	9999	Si
98	-0.008	-0.008	-0.006	-0.007	-0.008	-0.008	-0.006	-0.007	-0.008	-0.008	-0.014	1	-0.015	1	9999	Si
109	-0.007	-0.008	-0.006	-0.007	-0.007	-0.008	-0.006	-0.006	-0.007	-0.008	-0.013	1	-0.014	1	9999	Si
121	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.012	1	-0.012	1	9999	Si
127	-0.006	-0.007	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.011	1	-0.011	1	9999	Si
138	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.004	-0.005	-0.005	-0.009	1	-0.009	1	9999	Si
150	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.006	1	-0.007	1	9999	Si
161	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	-4334	-18666	-24627	SLV 7	0.39	872	1.087	-217491	368757	1934832	SLV 9	0.57	2474	1.666	Si
23	-4397	-18666	-24627	SLV 7	0.39	866	1.084	-383541	914356	1934832	SLV 9	0.57	2474	1.666	Si
35	-4488	-18666	-24627	SLV 7	0.39	856	1.078	-437261	1084309	1934832	SLV 9	0.57	2474	1.666	Si
46	-4578	-18666	-24627	SLV 7	0.39	847	1.074	-492022	1254402	1934832	SLV 9	0.57	2474	1.666	Si
52	-4623	-18666	-24627	SLV 7	0.39	842	1.071	-519793	1339479	1934832	SLV 9	0.57	2474	1.666	Si
63	-4714	-18666	-24627	SLV 7	0.39	833	1.066	-576116	1509676	1934832	SLV 9	0.57	2474	1.666	Si
75	-4805	-18666	-24627	SLV 7	0.39	824	1.062	-633481	-1679910	-3161896	SLV 7	0.54	2052	1.543	Si
86	-4895	-18666	-24627	SLV 7	0.38	815	1.057	-691887	-1850171	-3161896	SLV 7	0.48	1489	1.353	Si
98	-4986	-18666	-24627	SLV 7	0.38	806	1.052	-751335	-2020450	-3161896	SLV 7	0.43	1105	1.197	Si
109	-5076	-18666	-24705	SLV 7	0.38	804	1.051	-811824	-2190744	-3828471	SLV 7	0.49	1617	1.4	Si
121	-5167	-18666	-24722	SLV 7	0.38	797	1.047	-873355	-2361047	-4020641	SLV 7	0.48	1483	1.351	Si
127	-5212	-18666	-24731	SLV 7	0.38	793	1.045	-874330	-2363713	-4116761	SLV 7	0.49	1601	1.394	Si
138	-5303	-18666	-24746	SLV 7	0.38	786	1.041	-874330	-2363713	-4308854	SLV 7	0.52	1867	1.485	Si
150	-5397	-18666	-24760	SLV 7	0.38	778	1.037	-874330	-2363713	-4509283	SLV 7	0.55	2173	1.58	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	-4334	-6555	-24627	SLD 7	0.42	994	2.885	-217491	163135	1934832	SLD 9	0.6	2474	4.193	Si
23	-4397	-6555	-24627	SLD 7	0.41	987	2.877	-383541	404584	1934832	SLD 9	0.6	2474	4.193	Si
35	-4488	-6555	-24627	SLD 7	0.41	974	2.861	-437261	479793	1934832	SLD 9	0.6	2474	4.193	Si
46	-4578	-6555	-24627	SLD 7	0.41	964	2.849	-492022	555063	1934832	SLD 9	0.58	2474	4.193	Si
52	-4623	-6555	-24627	SLD 7	0.41	958	2.842	-519793	592712	1934832	SLD 9	0.55	2164	3.969	Si
63	-4714	-6555	-24627	SLD 7	0.41	948	2.83	-576116	668028	1934832	SLD 9	0.5	1670	3.569	Si
75	-4805	-6555	-24627	SLD 7	0.41	938	2.817	-633481	-743360	-3161896	SLD 7	0.45	1280	3.2	Si
86	-4895	-6555	-24627	SLD 7	0.4	927	2.804	-691887	-818705	-3161896	SLD 7	0.4	932	2.81	Si
98	-4986	-6555	-24627	SLD 7	0.4	917	2.791	-751335	-894057	-3161896	SLD 7	0.36	709	2.512	Si
109	-5076	-6555	-24705	SLD 7	0.4	915	2.789	-811824	-969415	-3828471	SLD 7	0.42	1010	2.904	Si
121	-5167	-6555	-24722	SLD 7	0.4	907	2.779	-873355	-1044778	-4020641	SLD 7	0.4	929	2.806	Si
127	-5212	-6555	-24731	SLD 7	0.4	902	2.772	-874330	-1045958	-4116761	SLD 7	0.42	998	2.89	Si
138	-5303	-6555	-24746	SLD 7	0.4	894	2.762	-874330	-1045958	-4308854	SLD 7	0.44	1166	3.08	Si
150	-5397	-6555	-24760	SLD 7	0.4	885	2.751	-874330	-1045958	-4509283	SLD 7	0.46	1355	3.276	Si

Campata 11 tra i fili ? - ?, sezione R 45x70, asta 979

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	38.01	6.2	22.81	5.4						-1098710	SLU 29	-994906	-4509283	0.116	Si
18	38.01	6.2	22.81	5.4						-954485	SLU 29	-948118	-4509283	0.116	Si
23	38.01	6.2	22.81	5.4						-924434	SLU 29	-924434	-4509283	0.116	Si
37	36.68	6.2	22.81	5.4						-826256	SLU 29	-924434	-4351701	0.114	Si
55	34.95	6.3	20.78	5.4						-714022	SLU 29	-899695	-4147390	0.115	Si
73	30.41	6.4	18.31	5.4						-617784	SLU 29	-778094	-3611026	0.111	Si
82	30.41	6.4	15.21	5.4						-575663	SLU 29	-723291	-3610569	0.116	Si
101	30.41	6.4	15.21	5.4						-503417	SLU 29	-625683	-3610569	0.116	Si
119	30.41	6.4	15.21	5.4						-447167	SLU 29	-544070	-3610569	0.116	Si
137	30.41	6.4	15.21	5.4						-406912	SLU 29	-478452	-3610569	0.116	Si
156	30.41	6.4	15.21	5.4						-382652	SLU 29	-428830	-3610569	0.116	Si
174	30.41	6.4	15.21	5.4						-375036	SLU 30	-396187	-3610569	0.116	Si
192	36.48	6.9	26.07	5.4						-383512	SLU 30	-430025	-4280393	0.111	Si
211	39.07	7.1	30.41	5.4						-407984	SLU 30	-480257	-4566218	0.11	Si
220	40.37	7.1	30.41	5.4						-426217	SLU 30	-514255	-4708860	0.112	Si
238	41.81	7.2	30.41	5.4						-474682	SLU 30	-529605	-4867988	0.114	Si
252	41.81	7.2	30.41	5.4						-529605	SLU 30	-529605	-4867988	0.114	Si
257	41.81	7.2	30.41	5.4						-548252	SLU 30	-544398	-4867988	0.114	Si
275	41.81	7.2	30.41	5.4						-655727	SLU 30	-573622	-4867988	0.114	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	38.01	6.2	22.81	5.4	2810219	SLV 11	2530916	2833828	0.099	-4354862	SLV 5	-3932316	-4509283	0.116	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
18	38.01	6.2	22.81	5.4	2405263	SLV 11	2385157	2833828	0.099	-3750817	SLV 5	-3721912	-4509283	0.116	Si
23	38.01	6.2	22.81	5.4	2311374	SLV 11	2311374	2833828	0.099	-3615406	SLV 5	-3615406	-4509283	0.116	Si
37	36.68	6.2	22.81	5.4	1989435	SLV 11	2311374	2833885	0.1	-3157755	SLV 5	-3615406	-4351701	0.114	Si
55	34.95	6.3	20.78	5.4	1562772	SLV 11	2234084	2593483	0.098	-2575715	SLV 5	-3503935	-4147390	0.115	Si
73	30.41	6.4	18.31	5.4	1125355	SLV 11	1813761	2301627	0.098	-2004777	SLV 5	-2915434	-3611026	0.111	Si
82	30.41	6.4	15.21	5.4	902674	SLV 11	1599541	1934685	0.095	-1723530	SLV 5	-2625322	-3610569	0.116	Si
101	30.41	6.4	15.21	5.4	454645	SLV 15	1163043	1934685	0.095	-1174763	SLV 1	-2053431	-3610569	0.116	Si
119	30.41	6.4	15.21	5.4	196374	SLV 15	716001	1934685	0.095	-837611	SLV 1	-1492851	-3610569	0.116	Si
137	30.41	6.4	15.21	5.4	100943	SLV 13	773000	1934685	0.095	-685154	SLV 3	-1311978	-3610569	0.116	Si
156	30.41	6.4	15.21	5.4	519621	SLV 9	1247341	1934685	0.095	-1068661	SLV 7	-1785805	-3610569	0.116	Si
174	30.41	6.4	15.21	5.4	962070	SLV 9	1737320	1934685	0.095	-1497795	SLV 7	-2297125	-3610569	0.116	Si
192	36.48	6.9	26.07	5.4	1451111	SLV 5	2219065	3258430	0.116	-1995378	SLV 11	-2822067	-4280393	0.111	Si
211	39.07	7.1	30.41	5.4	1938308	SLV 5	2690279	3745179	0.125	-2512972	SLV 11	-3358850	-4566218	0.11	Si
220	40.37	7.1	30.41	5.4	2178387	SLV 5	2920020	3745989	0.126	-2776446	SLV 11	-3633325	-4708860	0.112	Si
238	41.81	7.2	30.41	5.4	2650766	SLV 5	3004249	3746776	0.127	-3312007	SLV 11	-3737793	-4867988	0.114	Si
252	41.81	7.2	30.41	5.4	3004249	SLV 5	3004249	3746776	0.127	-3737793	SLV 11	-3737793	-4867988	0.114	Si
257	41.81	7.2	30.41	5.4	3106567	SLV 5	3084640	3746776	0.127	-3864698	SLV 11	-3837691	-4867988	0.114	Si
275	41.81	7.2	30.41	5.4	3539927	SLV 5	3243454	3746776	0.127	-4440103	SLV 11	-4035040	-4867988	0.114	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	38.01	6.2	22.81	5.4	813080	SLD 11	729403	2833828	0.099	-2357724	SLD 5	-2130803	-4509283	0.116	Si
18	38.01	6.2	22.81	5.4	689363	SLD 11	682918	2833828	0.099	-2034918	SLD 5	-2019673	-4509283	0.116	Si
23	38.01	6.2	22.81	5.4	659387	SLD 11	659387	2833828	0.099	-1963419	SLD 5	-1963419	-4509283	0.116	Si
37	36.68	6.2	22.81	5.4	554743	SLD 11	659387	2833885	0.1	-1723063	SLD 5	-1963419	-4351701	0.114	Si
55	34.95	6.3	20.78	5.4	409234	SLD 11	634710	2593483	0.098	-1422177	SLD 5	-1904561	-4147390	0.115	Si
73	30.41	6.4	18.31	5.4	252873	SLD 11	495576	2301627	0.098	-1132295	SLD 5	-1597250	-3611026	0.111	Si
82	30.41	6.4	15.21	5.4	170649	SLD 11	421928	1934685	0.095	-991505	SLD 5	-1447709	-3610569	0.116	Si
101	30.41	6.4	15.21	5.4	467	SLD 15	266495	1934685	0.095	-720585	SLD 1	-1156883	-3610569	0.116	Si
119	30.41	6.4	15.21	5.4	-91868	SLD 15	100300	1934685	0.095	-549368	SLD 1	-877150	-3610569	0.116	Si
137	30.41	6.4	15.21	5.4	-118192	SLD 13	191812	1934685	0.095	-466019	SLD 3	-730790	-3610569	0.116	Si
156	30.41	6.4	15.21	5.4	76882	SLD 9	401875	1934685	0.095	-625922	SLD 7	-940339	-3610569	0.116	Si
174	30.41	6.4	15.21	5.4	276386	SLD 9	612769	1934685	0.095	-812111	SLD 7	-1172574	-3610569	0.116	Si
192	36.48	6.9	26.07	5.4	490438	SLD 5	813923	3258430	0.116	-1034705	SLD 11	-1416925	-4280393	0.111	Si
211	39.07	7.1	30.41	5.4	697574	SLD 5	1004179	3745179	0.125	-1272239	SLD 11	-1672751	-4566218	0.11	Si
220	40.37	7.1	30.41	5.4	797299	SLD 5	1093380	3745989	0.126	-1395358	SLD 11	-1806685	-4708860	0.112	Si
238	41.81	7.2	30.41	5.4	988736	SLD 5	1125013	3746776	0.127	-1649977	SLD 11	-1858558	-4867988	0.114	Si
252	41.81	7.2	30.41	5.4	1125013	SLD 5	1125013	3746776	0.127	-1858558	SLD 11	-1858558	-4867988	0.114	Si
257	41.81	7.2	30.41	5.4	1163441	SLD 5	1155152	3746776	0.127	-1921571	SLD 11	-1908203	-4867988	0.114	Si
275	41.81	7.2	30.41	5.4	1315627	SLD 5	1214693	3746776	0.127	-2215803	SLD 11	-2006279	-4867988	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	34.09	0	7192	SLU 29	7192	15637	75956	0	15637	1	Si
18	0	30.41	0	6436	SLU 29	6436	15054	75956	0	15054	1	Si
23	0.302	30.41	0	6264	SLU 29	6264	15054	75956	34579	34579	1	Si
37	0.302	30.41	0	5680	SLU 29	5680	15050	75921	34563	34563	1	Si
55	0.302	30.41	0	4925	SLU 29	4925	15046	75872	34541	34541	1	Si
73	0.302	30.41	0	4169	SLU 29	4169	15031	75718	34471	34471	1	Si
82	0.302	30.41	0	3791	SLU 29	3791	15031	75718	34471	34471	1	Si
101	0.29	30.41	0	3036	SLU 20	3036	15031	75718	33194	33194	1	Si
119	0.29	34.95	0	2334	SLU 20	2334	15744	75718	33194	33194	1	Si
137	0.29	30.41	0	1632	SLU 20	1632	15031	75718	33194	33194	1	Si
156	0.29	30.41	0	930	SLU 20	930	15031	75718	33194	33194	1	Si
174	0.29	30.41	0	229	SLU 20	229	15031	75718	33194	33194	1	Si
174	0.29	30.41	0	-262	SLU 17	-262	-15031	-75718	-33194	-33194	1	Si
192	0.302	30.41	0	-864	SLU 36	-864	-14973	-75123	-34200	-34200	1	Si
211	0.302	30.41	0	-1577	SLU 36	-1577	-14954	-74926	-34110	-34110	1	Si
220	0.302	30.41	0	-1933	SLU 36	-1933	-14945	-74837	-34070	-34070	1	Si
238	0.302	30.41	0	-2675	SLU 30	-2675	-14936	-74744	-34027	-34027	1	Si
252	0.302	36.48	0	-3913	SLU 30	-3913	-15871	-74744	-34027	-34027	1	Si
257	0	36.48	0	-4277	SLU 30	-4277	-15871	-74744	0	-15871	1	Si
275	0	39.07	0	-5878	SLU 30	-5878	-16238	-74744	0	-16238	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	34.09	0	28803	SLV 5	35002	15637	75956	0	15637	1	Si
0	0	19.54	0	-18881	SLV 11	-25080	-13069	-76908	0	-13069	1	Si
9	0	30.41	0	28545	SLV 5	34744	15054	75956	0	15054	1	Si
9	0	18.31	0	-19139	SLV 11	-25338	-12788	-76908	0	-12788	1	Si
18	0	30.41	0	28287	SLV 5	34486	15054	75956	0	15054	1	Si
18	0	15.21	0	-19398	SLV 11	-25597	-12021	-76908	0	-12021	1	Si
23	0.302	30.41	0	28170	SLV 5	34369	15054	75956	34579	34579	1	Si
23	0.302	15.21	0	-19515	SLV 11	-25714	-12021	-76908	-35013	-35013	1	Si
37	0.302	30.41	0	27771	SLV 5	33970	15050	75921	34563	34563	1	Si
37	0.302	15.21	0	-19914	SLV 11	-26113	-12021	-76908	-35013	-35013	1	Si
55	0.302	30.41	0	27255	SLV 5	33454	15046	75872	34541	34541	1	Si
55	0.302	15.21	0	-20430	SLV 11	-26629	-12021	-76908	-35013	-35013	1	Si
73	0.302	30.41	0	26738	SLV 5	32937	15031	75718	34471	34471	1	Si
73	0.302	15.21	0	-20946	SLV 11	-27145	-12021	-76908	-35013	-35013	1	Si
82	0.302	30.41	0	26480	SLV 5	32679	15031	75718	34471	34471	1	Si
82	0.302	15.21	0	-21205	SLV 11	-27404	-12021	-76908	-35013	-35013	1	Si
101	0.29	30.41	0	25964	SLV 5	32163	15031	75718	33194	33194	1	Si
101	0.29	15.21	0	-21721	SLV 11	-27920	-12021	-76908	-33716	-33716	1	Si
119	0.29	34.95	0	25448	SLV 5	31647	15744	75718	33194	33194	1	Si
119	0.29	34.95	0	-22237	SLV 11	-28436	-15744	-75718	-33194	-33194	1	Si
137	0.29	30.41	0	24931	SLV 5	31130	15031	75718	33194	33194	1	Si
137	0.29	30.41	0	-22753	SLV 11	-28952	-15031	-75718	-33194	-33194	1	Si
156	0.29	15.21	0	24415	SLV 5	30614	12021	76908	33716	33716	1	Si
156	0.29	30.41	0	-23270	SLV 11	-29469	-15031	-75718	-33194	-33194	1	Si
174	0.29	15.21	0	23899	SLV 5	30098	12021	76908	33716	33716	1	Si
174	0.29	30.41	0	-23786	SLV 11	-29985	-15031	-75718	-33194	-33194	1	Si
192	0.302	15.21	0	23382	SLV 5	29581	12021	76908	35013	35013	1	Si
192	0.302	30.41	0	-24302	SLV 11	-30501	-14973	-75123	-34200	-34200	1	Si
211	0.302	15.21	0	22866	SLV 5	29065	12021	76908	35013	35013	1	Si
211	0.302	30.41	0	-24819	SLV 11	-31018	-14954	-74926	-34110	-34110	1	Si
220	0.302	15.21	0	22608	SLV 5	28807	12021	76908	35013	35013	1	Si
220	0.302	30.41	0	-25077	SLV 11	-31276	-14945	-74837	-34070	-34070	1	Si
238	0.302	15.21	0	22087	SLV 5	28286	12021	76908	35013	35013	1	Si
238	0.302	30.41	0	-25598	SLV 11	-31797	-14936	-74744	-34027	-34027	1	Si
252	0.302	23.6	0	21263	SLV 5	27462	13918	76908	35013	35013	1	Si
252	0.302	36.48	0	-26422	SLV 11	-32621	-15871	-74744	-34027	-34027	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
257	0	26.07	0	21020	SLV 5	27219	14387	76908	0	14387	1	Si
257	0	36.48	0	-26664	SLV 11	-32863	-15871	-74744	0	-15871	1	Si
275	0	30.41	0	19954	SLV 5	26153	15146	76908	0	15146	1	Si
275	0	39.07	0	-27731	SLV 11	-33930	-16238	-74744	0	-16238	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	34.09	0	15512	SLD 5	15512	15637	75956	0	15637	1	Si
0	0	19.54	0	-5590	SLD 11	-5590	-13069	-76908	0	-13069	1	Si
9	0	30.41	0	15254	SLD 5	15254	15054	75956	0	15054	1	Si
9	0	18.31	0	-5848	SLD 11	-5848	-12788	-76908	0	-12788	1	Si
18	0	30.41	0	14996	SLD 5	14996	15054	75956	0	15054	1	Si
18	0	15.21	0	-6106	SLD 11	-6106	-12021	-76908	0	-12021	1	Si
23	0.302	30.41	0	14879	SLD 5	14879	15054	75956	34579	34579	1	Si
23	0.302	15.21	0	-6224	SLD 11	-6224	-12021	-76908	-35013	-35013	1	Si
37	0.302	30.41	0	14480	SLD 5	14480	15050	75921	34563	34563	1	Si
37	0.302	15.21	0	-6623	SLD 11	-6623	-12021	-76908	-35013	-35013	1	Si
55	0.302	30.41	0	13963	SLD 5	13963	15046	75872	34541	34541	1	Si
55	0.302	15.21	0	-7139	SLD 11	-7139	-12021	-76908	-35013	-35013	1	Si
73	0.302	30.41	0	13447	SLD 5	13447	15031	75718	34471	34471	1	Si
73	0.302	15.21	0	-7655	SLD 11	-7655	-12021	-76908	-35013	-35013	1	Si
82	0.302	30.41	0	13189	SLD 5	13189	15031	75718	34471	34471	1	Si
82	0.302	15.21	0	-7913	SLD 11	-7913	-12021	-76908	-35013	-35013	1	Si
101	0.29	30.41	0	12673	SLD 5	12673	15031	75718	33194	33194	1	Si
101	0.29	30.41	0	-8430	SLD 11	-8430	-15031	-75718	-33194	-33194	1	Si
119	0.29	34.95	0	12156	SLD 5	12156	15744	75718	33194	33194	1	Si
119	0.29	34.95	0	-8946	SLD 11	-8946	-15744	-75718	-33194	-33194	1	Si
137	0.29	30.41	0	11640	SLD 5	11640	15031	75718	33194	33194	1	Si
137	0.29	30.41	0	-9462	SLD 11	-9462	-15031	-75718	-33194	-33194	1	Si
156	0.29	15.21	0	11124	SLD 5	11124	12021	76908	33716	33716	1	Si
156	0.29	30.41	0	-9978	SLD 11	-9978	-15031	-75718	-33194	-33194	1	Si
174	0.29	15.21	0	10607	SLD 5	10607	12021	76908	33716	33716	1	Si
174	0.29	30.41	0	-10495	SLD 11	-10495	-15031	-75718	-33194	-33194	1	Si
192	0.302	15.21	0	10091	SLD 5	10091	12021	76908	35013	35013	1	Si
192	0.302	30.41	0	-11011	SLD 11	-11011	-14973	-75123	-34200	-34200	1	Si
211	0.302	15.21	0	9575	SLD 5	9575	12021	76908	35013	35013	1	Si
211	0.302	30.41	0	-11527	SLD 11	-11527	-14954	-74926	-34110	-34110	1	Si
220	0.302	15.21	0	9317	SLD 5	9317	12021	76908	35013	35013	1	Si
220	0.302	30.41	0	-11785	SLD 11	-11785	-14945	-74837	-34070	-34070	1	Si
238	0.302	15.21	0	8796	SLD 5	8796	12021	76908	35013	35013	1	Si
238	0.302	30.41	0	-12306	SLD 11	-12306	-14936	-74744	-34027	-34027	1	Si
252	0.302	23.6	0	7971	SLD 5	7971	13918	76908	35013	35013	1	Si
252	0.302	36.48	0	-13131	SLD 11	-13131	-15871	-74744	-34027	-34027	1	Si
257	0	26.07	0	7729	SLD 5	7729	14387	76908	0	14387	1	Si
257	0	36.48	0	-13373	SLD 11	-13373	-15871	-74744	0	-15871	1	Si
275	0	30.41	0	6662	SLD 5	6662	15146	76908	0	15146	1	Si
275	0	39.07	0	-14440	SLD 11	-14440	-16238	-74744	0	-16238	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-819982	2	-743084	15.6	124.5	354.4	1837	-772322	2	-700700	14.7	93.4	0	+∞	Si
18	-713107	2	-708384	14.8	124.5	337.8	1837	-672777	2	-668377	14	93.4	0	+∞	Si
23	-690818	2	-690818	14.5	124.5	329.5	1837	-652016	2	-652016	13.7	93.4	0	+∞	Si
37	-617973	2	-690818	14.6	124.5	341.2	1837	-584160	2	-652016	13.8	93.4	0	+∞	Si
55	-534580	2	-672471	14.8	124.5	349.2	1837	-506471	2	-634925	13.9	93.4	0	+∞	Si
73	-462928	2	-582202	13.7	124.5	347.9	1837	-439711	2	-550837	13	93.4	0	+∞	Si
82	-431505	2	-541470	13.2	124.5	325	1837	-410428	2	-512890	12.5	93.4	0	+∞	Si
101	-377465	2	-468813	11.4	124.5	281.4	1837	-360059	2	-445194	10.9	93.4	0	+∞	Si
119	-335166	2	-407897	10	124.5	244.8	1837	-320618	2	-388425	9.5	93.4	0	+∞	Si
137	-304608	2	-358721	8.8	124.5	215.3	1837	-292105	2	-342584	8.4	93.4	0	+∞	Si
156	-285791	2	-321288	7.8	124.5	192.8	1837	-274520	2	-307671	7.5	93.4	0	+∞	Si
174	-279147	3	-295595	7.2	124.5	177.4	1837	-267863	2	-283686	6.9	93.4	0	+∞	Si
192	-284310	3	-316772	6.6	124.5	161.1	1837	-272134	2	-301501	6.3	93.4	0	+∞	Si
211	-301213	3	-352579	6.9	124.5	168.4	1837	-287332	2	-334286	6.6	93.4	0	+∞	Si
220	-314068	3	-376964	7.4	124.5	175.1	1837	-299030	2	-356653	7	93.4	0	+∞	Si
238	-348583	3	-387999	7.5	124.5	174.9	1837	-330621	2	-366772	7.1	93.4	0	+∞	Si
252	-387999	3	-387999	7.5	124.5	174.9	1837	-366772	2	-366772	7.1	93.4	0	+∞	Si
257	-401404	3	-398635	7.7	124.5	179.7	1837	-379065	2	-376525	7.3	93.4	0	+∞	Si
275	-478874	3	-419646	8.1	124.5	189.2	1837	-450088	2	-395793	7.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	-0.003	-0.004	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.004	1	-0.005	1	9999	Si
23	-0.004	-0.004	-0.002	-0.003	-0.004	-0.004	-0.002	-0.003	-0.004	-0.004	-0.005	1	-0.006	1	9999	Si
37	-0.006	-0.006	-0.004	-0.004	-0.006	-0.006	-0.004	-0.004	-0.006	-0.006	-0.008	1	-0.008	1	9999	Si
55	-0.007	-0.008	-0.005	-0.005	-0.007	-0.008	-0.005	-0.005	-0.007	-0.008	-0.01	1	-0.011	1	9999	Si
73	-0.009	-0.01	-0.006	-0.006	-0.009	-0.01	-0.006	-0.006	-0.009	-0.009	-0.012	1	-0.013	1	9999	Si
82	-0.009	-0.01	-0.006	-0.007	-0.009	-0.01	-0.006	-0.007	-0.009	-0.01	-0.013	1	-0.014	1	9999	Si
101	-0.01	-0.011	-0.006	-0.007	-0.01	-0.011	-0.006	-0.007	-0.01	-0.011	-0.014	1	-0.015	1	9999	Si
119	-0.01	-0.011	-0.007	-0.007	-0.01	-0.011	-0.007	-0.007	-0.01	-0.011	-0.014	1	-0.015	1	9999	Si
137	-0.01	-0.011	-0.006	-0.007	-0.01	-0.011	-0.007	-0.007	-0.01	-0.011	-0.014	1	-0.015	1	9999	Si
156	-0.01	-0.011	-0.006	-0.007	-0.01	-0.01	-0.006	-0.007	-0.01	-0.01	-0.014	1	-0.015	1	9999	Si
174	-0.009	-0.01	-0.006	-0.007	-0.009	-0.01	-0.006	-0.006	-0.009	-0.01	-0.013	1	-0.014	1	9999	Si
192	-0.008	-0.009	-0.005	-0.006	-0.008	-0.009	-0.005	-0.006	-0.008	-0.009	-0.011	1	-0.012	1	9999	Si
211	-0.007	-0.008	-0.004	-0.005	-0.007	-0.007	-0.004	-0.005	-0.007	-0.007	-0.009	1	-0.01	1	9999	Si
220	-0.006	-0.007	-0.004	-0.004	-0.006	-0.007	-0.004	-0.004	-0.006	-0.007	-0.008	1	-0.009	1	9999	Si
238	-0.004	-0.005	-0.003	-0.003	-0.004	-0.005	-0.003	-0.003	-0.004	-0.005	-0.006	1	-0.007	1	9999	Si
252	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.004	1	-0.004	1	9999	Si
257	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.003	1	-0.004	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	4327	30041	34579	SLV 5	0.37	724	1.007	-652016	2963390	2833828	SLV 11	0.43	1065	1.179	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
37	3928	30041	34563	SLV 5	0.37	746	1.019	-652016	2963390	2833885	SLV 11	0.43	1065	1.179	Si
55	3412	30041	34541	SLV 5	0.38	776	1.036	-634925	2869009	2593483	SLV 11	0.41	949	1.125	Si
73	2896	30041	34471	SLV 5	0.38	803	1.051	-550837	2364598	2301627	SLV 11	0.44	1138	1.212	Si
82	2638	30041	34471	SLV 5	0.38	819	1.059	-512890	2112432	1934685	SLV 11	0.42	1023	1.16	Si
101	2121	30041	33194	SLV 5	0.38	772	1.034	-445194	1608237	1934685	SLV 11	0.53	1961	1.515	Si
119	1605	30041	33194	SLV 5	0.38	804	1.051	-388425	1104426	1934685	SLV 11	0.57	2474	1.666	Si
137	1089	30041	33194	SLV 5	0.39	837	1.069	-269489	1042489	1934685	SLV 9	0.57	2474	1.666	Si
156	573	30041	33716	SLV 5	0.4	904	1.103	-269232	1516573	1934685	SLV 5	0.52	1868	1.485	Si
174	56	-30041	-33194	SLV 11	0.4	911	1.106	-279902	2017222	1934685	SLV 5	0.4	893	1.097	Si
192	-460	-30041	-34200	SLV 11	0.41	944	1.123	-301501	2520566	3258430	SLV 5	0.51	1731	1.439	Si
211	-976	-30041	-34110	SLV 11	0.4	904	1.103	-334286	3024565	3745179	SLV 5	0.48	1530	1.368	Si
220	-1234	-30041	-34070	SLV 11	0.4	884	1.093	-356653	3276672	3745989	SLV 5	0.45	1256	1.262	Si
238	-1755	-30041	-34027	SLV 11	0.39	847	1.074	-366772	3371021	3746776	SLV 5	0.44	1173	1.227	Si
252	-2580	-30041	-34027	SLV 11	0.38	795	1.046	-366772	3371021	3746776	SLV 5	0.44	1173	1.227	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	4327	10551	34579	SLD 5	0.39	824	2.671	-652016	1311403	2833828	SLD 11	0.36	685	2.477	Si
37	3928	10551	34563	SLD 5	0.39	849	2.704	-652016	1311403	2833885	SLD 11	0.36	685	2.477	Si
55	3412	10551	34541	SLD 5	0.4	883	2.748	-634925	1269636	2593483	SLD 11	0.34	615	2.37	Si
73	2896	10551	34471	SLD 5	0.4	914	2.787	-550837	1046413	2301627	SLD 11	0.37	728	2.539	Si
82	2638	10551	34471	SLD 5	0.4	932	2.81	-512890	934819	1934685	SLD 11	0.35	660	2.439	Si
101	2121	10551	33194	SLD 5	0.4	879	2.743	-445194	711689	1934685	SLD 11	0.45	1224	3.142	Si
119	1605	10551	33194	SLD 5	0.4	915	2.789	-388425	488725	1934685	SLD 11	0.6	2474	4.193	Si
137	1089	10551	33194	SLD 5	0.41	953	2.836	-269489	461301	1934685	SLD 9	0.6	2474	4.193	Si
156	573	10551	33716	SLD 5	0.42	1035	2.933	-269232	671107	1934685	SLD 5	0.44	1167	3.081	Si
174	56	-10551	-33194	SLD 11	0.42	1044	2.944	-279902	892672	1934685	SLD 5	0.34	580	2.313	Si
192	-460	-10551	-34200	SLD 11	0.43	1086	2.992	-301501	1115424	3258430	SLD 5	0.43	1081	2.986	Si
211	-976	-10551	-34110	SLD 11	0.42	1035	2.933	-334286	1338465	3745179	SLD 5	0.41	956	2.839	Si
220	-1234	-10551	-34070	SLD 11	0.42	1010	2.904	-356653	1450033	3745989	SLD 5	0.38	798	2.637	Si
238	-1755	-10551	-34027	SLD 11	0.41	964	2.849	-366772	1491786	3746776	SLD 5	0.37	748	2.568	Si
252	-2580	-10551	-34027	SLD 11	0.4	905	2.776	-366772	1491786	3746776	SLD 5	0.37	748	2.568	Si

Campata 12 tra i fili ? - 15A, sezione R 45x70, asta 980

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	41.81	7.2	30.41	5.4						-1011209	SLU 29	-902626	-4867988	0.114	Si
23	41.81	7.2	30.41	5.4						-779688	SLU 29	-779688	-4867988	0.114	Si
29	41.81	7.2	30.41	5.4						-718708	SLU 29	-779688	-4867988	0.114	Si
57	40.04	7.1	24.16	5.4						-468479	SLU 28	-722697	-4671739	0.119	Si
86	35.99	6.9	15.21	5.4						-287900	SLU 19	-471461	-4210085	0.155	Si
115	26.72	6.3	15.21	5.4	-7426	SLU 12	122408	1922805	0.094	-131474	SLU 19	-290353	-3186985	0.109	Si
129	23.34	6.2	15.21	5.4	60326	SLU 12	181648	1911855	0.094	-62212	SLU 19	-208988	-2798421	0.102	Si
158	11.4	5.4	15.21	5.4	180025	SLU 30	288623	1873055	0.09	51839	SLU 6	-64161	-1422107	0.084	Si
186	11.4	5.4	15.21	5.4	287464	SLU 29	362183	1873055	0.09						Si
215	11.4	5.4	15.85	5.4	361495	SLU 29	402232	1949252	0.091						Si
244	11.4	5.4	7.6	5.4	402016	SLU 29	409710	970824	0.078						Si
272	11.4	5.4	7.6	5.4	409026	SLU 29	409710	970824	0.078						Si
301	11.4	5.4	7.6	5.4	382526	SLU 29	409045	970824	0.078						Si
330	11.4	5.4	12.5	5.4	322515	SLU 29	383017	1551623	0.085						Si
344	13.26	5.4	14.43	5.4	280477	SLU 20	357436	1780482	0.088						Si
373	14.61	5.4	15.21	5.4	202217	SLU 19	281499	1872808	0.089	105520	SLU 18	-17436	-1802669	0.088	Si
401	15.21	5.4	15.21	5.4	119944	SLU 19	203122	1872764	0.089	-15306	SLU 12	-47880	-1872764	0.089	Si
408	15.21	5.4	15.21	5.4	98394	SLU 19	186876	1872764	0.089	-47880	SLU 12	-47880	-1872764	0.089	Si
430	15.21	5.4	15.21	5.4	13801	SLU 19	13801	1872764	0.089	-173907	SLU 12	-113389	-1872764	0.089	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	41.81	7.2	30.41	5.4	1826182	SLV 11	1805042	3746776	0.127	-3309855	SLV 5	-3137634	-4867988	0.114	Si
23	41.81	7.2	30.41	5.4	1770332	SLV 11	1770332	3746776	0.127	-2931310	SLV 5	-2931310	-4867988	0.114	Si
29	41.81	7.2	30.41	5.4	1753360	SLV 11	1770332	3746776	0.127	-2829226	SLV 5	-2931310	-4867988	0.114	Si
57	40.04	7.1	24.16	5.4	1657510	SLV 11	1754470	3050099	0.118	-2371635	SLV 5	-2835903	-4671739	0.119	Si
86	35.99	6.9	15.21	5.4	1539058	SLV 11	1658938	1979724	0.101	-1936661	SLV 5	-2377993	-4210085	0.155	Si
115	26.72	6.3	15.21	5.4	1398008	SLV 11	1540804	1922805	0.094	-1524308	SLV 5	-1942701	-3186985	0.109	Si
129	23.34	6.2	15.21	5.4	1319012	SLV 11	1473262	1911855	0.094	-1326617	SLV 5	-1733537	-2798421	0.102	Si
158	11.4	5.4	15.21	5.4	1144086	SLV 11	1321235	1873055	0.09	-948215	SLV 5	-1332180	-1422107	0.084	Si
186	11.4	5.4	15.21	5.4	946613	SLV 11	1146626	1873055	0.09	-592486	SLV 5	-953460	-1422107	0.084	Si
215	11.4	5.4	15.85	5.4	726717	SLV 11	949471	1949252	0.091	-259552	SLV 5	-597411	-1422107	0.084	Si
244	11.4	5.4	7.6	5.4	485636	SLV 11	729889	970824	0.078	49348	SLV 5	-264156	-1422093	0.084	Si
272	11.4	5.4	7.6	5.4	353296	SLV 1	609885	970824	0.078	204288	SLV 15	-75714	-1422093	0.084	Si
301	11.4	5.4	7.6	5.4	606396	SLV 5	851974	970824	0.078	-71430	SLV 11	-386276	-1422093	0.084	Si
315	11.4	5.4	7.6	5.4	730365	SLV 5	964651	970824	0.078	-223665	SLV 11	-550148	-1422093	0.084	Si
330	11.4	5.4	12.5	5.4	848798	SLV 5	1071706	1551623	0.085	-381670	SLV 11	-719701	-1422094	0.084	Si
344	13.26	5.4	14.43	5.4	961634	SLV 5	1173125	1780482	0.088	-545381	SLV 11	-894924	-1642521	0.086	Si
373	14.61	5.4	15.21	5.4	1170426	SLV 5	1359039	1872808	0.089	-889838	SLV 11	-1262358	-1802669	0.088	Si
401	15.21	5.4	15.21	5.4	1356657	SLV 5	1393075	1872764	0.089	-1256953	SLV 11	-1339578	-1872764	0.089	Si
408	15.21	5.4	15.21	5.4	1393075	SLV 5	1393075	1872764	0.089	-1339578	SLV 11	-1339578	-1872764	0.089	Si
430	15.21	5.4	15.21	5.4	1520303	SLV 5	1467165	1872764	0.089	-1646702	SLV 11	-1506522	-1872764	0.089	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	41.81	7.2	30.41	5.4	394611	SLD 11	394611	3746776	0.127	-1878285	SLD 5	-1759959	-4867988	0.114	Si
23	41.81	7.2	30.41	5.4	459840	SLD 11	523856	3746776	0.127	-1620819	SLD 5	-1620819	-4867988	0.114	Si
29	41.81	7.2	30.41	5.4	476053	SLD 11	535047	3746776	0.127	-1551919	SLD 5	-1620819	-4867988	0.114	Si
57	40.04	7.1	24.16	5.4	534463	SLD 11	570533	3050099	0.118	-1248589	SLD 5	-1556425	-4671739	0.119	Si
86	35.99	6.9	15.21	5.4	570268	SLD 11	583468	1979724	0.101	-967871	SLD 5	-1252777	-4210085	0.155	Si
115	26.72	6.3	15.21	5.4	583468	SLD 11	583468	1922805	0.094	-709768	SLD 5	-971741	-3186985	0.109	Si
129	23.34	6.2	15.21	5.4	581593	SLD 11	583468	1911855	0.094	-589198	SLD 5	-839703	-2798421	0.102	Si
158	11.4	5.4	15.21	5.4	560895	SLD 11	581646	1873055	0.09	-365025	SLD 5	-592590	-1422107	0.084	Si
186	11.4	5.4	15.21	5.4	517616	SLD 11	561266	1873055	0.09	-163489	SLD 5	-368099	-1422107	0.084	Si
215	11.4	5.4	15.85	5.4	451808	SLD 11	518304	1949252	0.091	15357	SLD 5	-166245	-1422107	0.084	Si
244	11.4	5.4	7.6	5.4	364017	SLD 11	452813	970824	0.078						Si
272	11.4	5.4	7.6	5.4	311747	SLD 1	418779	970824	0.078						Si
301	11.4	5.4	7.6	5.4	417457	SLD 5	506831	970824	0.078	117509	SLD 11	-41134	-1422093	0.084	Si
315	11.4	5.4	7.6	5.4	464442	SLD 5	542427	970824	0.078	42258	SLD 11	-127924	-1422093	0.084	Si
330	11.4	5.4	12.5	5.4	505825	SLD 5	572383	1551623	0.085	-38696	SLD 11	-220378	-1422094	0.084	Si
344	13.26	5.4	14.43	5.4	541580	SLD 5	596695	1780482	0.088	-125326	SLD 11	-318493	-1642521	0.086	Si
373	14.61	5.4	15.21	5.4	596165	SLD 5	628374	1872808	0.089	-315577	SLD 11	-531693	-1802669	0.088	Si
401	15.21	5.4	15.21	5.4	628163	SLD 5	631400	1872764	0.089	-528459	SLD 11	-577903	-1872764	0.089	Si
408	15.21	5.4	15.21	5.4	631400	SLD 5	631400	1872764	0.089	-577903	SLD 11	-577903	-1872764	0.089	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
430	15.21	5.4	15.21	5.4	637561	SLD 5	637561	1872764	0.089	-763960	SLD 11	-677663	-1872764	0.089	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	40.04	0	12206	SLU 29	12206	16371	74744	0	16371	1	Si
23	0.201	35.99	0	10928	SLU 29	10928	15799	74744	22685	22685	1	Si
29	0.201	35.99	0	10649	SLU 29	10649	15799	74744	22685	22685	1	Si
57	0.201	26.72	0	9352	SLU 29	9352	14317	74859	22720	22720	1	Si
86	0.201	19.97	0	8054	SLU 29	8054	13017	75164	22813	22813	1	Si
115	0.164	11.4	0	6757	SLU 29	6757	10846	75816	18784	18784	1	Si
129	0.164	17.78	0	6109	SLU 29	6109	12664	76908	19055	19055	1	Si
158	0.164	13.92	0	4811	SLU 29	4811	11672	76908	19055	19055	1	Si
186	0.164	7.6	0	3514	SLU 29	3514	9541	76908	19055	19055	1	Si
215	0.164	7.6	0	2359	SLU 19	2359	9541	76908	19055	19055	1	Si
244	0.164	7.6	0	1435	SLU 19	1435	9541	76908	19055	19055	1	Si
272	0.164	14.43	0	511	SLU 19	511	11812	76908	19055	19055	1	Si
272	0.164	14.43	0	-586	SLU 12	-586	-11812	-76908	-19055	-19055	1	Si
301	0.164	13.92	0	-1698	SLU 30	-1698	-11672	-76908	-19055	-19055	1	Si
330	0.164	7.6	0	-2995	SLU 30	-2995	-9541	-76908	-19055	-19055	1	Si
344	0.158	7.6	0	-3644	SLU 30	-3644	-9541	-76908	-18340	-18340	1	Si
373	0.158	7.6	0	-4941	SLU 30	-4941	-9541	-76908	-18340	-18340	1	Si
401	0.158	12.5	0	-6238	SLU 30	-6238	-11260	-76908	-18340	-18340	1	Si
408	0.158	13.26	0	-6517	SLU 30	-6517	-11486	-76908	-18340	-18340	1	Si
430	0	13.94	0	-7535	SLU 30	-7535	-11677	-76908	0	-11677	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	40.04	0	19196	SLV 5	21982	16371	74744	0	16371	1	Si
0	0	15.21	0	-2229	SLV 11	-5014	-12021	-76908	0	-12021	1	Si
23	0.201	35.99	0	18340	SLV 5	21125	15799	74744	22685	22685	1	Si
23	0.201	15.21	0	-3085	SLV 11	-5871	-12021	-76908	-23342	-23342	1	Si
29	0.201	35.99	0	18152	SLV 5	20937	15799	74744	22685	22685	1	Si
29	0.201	15.21	0	-3274	SLV 11	-6059	-12021	-76908	-23342	-23342	1	Si
57	0.201	26.72	0	17276	SLV 5	20062	14317	74859	22720	22720	1	Si
57	0.201	15.21	0	-4149	SLV 11	-6934	-12021	-76908	-23342	-23342	1	Si
86	0.201	19.97	0	16401	SLV 5	19187	13017	75164	22813	22813	1	Si
86	0.201	15.21	0	-5024	SLV 11	-7809	-12021	-76908	-23342	-23342	1	Si
115	0.164	11.4	0	15526	SLV 5	18311	10846	75816	18784	18784	1	Si
115	0.164	15.21	0	-5899	SLV 11	-8685	-12021	-76908	-19055	-19055	1	Si
129	0.164	11.4	0	15088	SLV 5	17874	10854	75934	18813	18813	1	Si
129	0.164	17.78	0	-6337	SLV 11	-9122	-12664	-76908	-19055	-19055	1	Si
158	0.164	11.4	0	14213	SLV 5	16999	10922	76908	19055	19055	1	Si
158	0.164	13.92	0	-7212	SLV 11	-9997	-11672	-76908	-19055	-19055	1	Si
186	0.164	11.4	0	13338	SLV 5	16123	10922	76908	19055	19055	1	Si
186	0.164	7.6	0	-8087	SLV 11	-10873	-9541	-76908	-19055	-19055	1	Si
215	0.164	11.4	0	12463	SLV 5	15248	10922	76908	19055	19055	1	Si
215	0.164	7.6	0	-8962	SLV 11	-11748	-9541	-76908	-19055	-19055	1	Si
244	0.164	7.6	0	11588	SLV 5	14373	9541	76908	19055	19055	1	Si
244	0.164	7.6	0	-9838	SLV 11	-12623	-9541	-76908	-19055	-19055	1	Si
272	0.164	14.43	0	10712	SLV 5	13498	11812	76908	19055	19055	1	Si
272	0.164	14.43	0	-10713	SLV 11	-13498	-11812	-76908	-19055	-19055	1	Si
301	0.164	13.92	0	9837	SLV 5	12623	11672	76908	19055	19055	1	Si
301	0.164	11.4	0	-11588	SLV 11	-14373	-10922	-76908	-19055	-19055	1	Si
330	0.164	7.6	0	8962	SLV 5	11747	9541	76908	19055	19055	1	Si
330	0.164	11.4	0	-12463	SLV 11	-15249	-10922	-76908	-19055	-19055	1	Si
344	0.158	7.6	0	8524	SLV 5	11310	9541	76908	18340	18340	1	Si
344	0.158	11.4	0	-12901	SLV 11	-15686	-10922	-76908	-18340	-18340	1	Si
373	0.158	7.6	0	7649	SLV 5	10435	9541	76908	18340	18340	1	Si
373	0.158	11.4	0	-13776	SLV 11	-16561	-10922	-76908	-18340	-18340	1	Si
401	0.158	12.5	0	6774	SLV 5	9559	11260	76908	18340	18340	1	Si
401	0.158	11.4	0	-14651	SLV 11	-17437	-10922	-76908	-18340	-18340	1	Si
408	0.158	14.43	0	6586	SLV 5	9371	11812	76908	18340	18340	1	Si
408	0.158	13.26	0	-14839	SLV 11	-17625	-11486	-76908	-18340	-18340	1	Si
430	0	15.21	0	5899	SLV 5	8684	12021	76908	0	12021	1	Si
430	0	13.94	0	-15526	SLV 11	-18312	-11677	-76908	0	-11677	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	40.04	0	13225	SLD 5	13225	16371	74744	0	16371	1	Si
23	0.201	35.99	0	12368	SLD 5	12368	15799	74744	22685	22685	1	Si
29	0.201	35.99	0	12180	SLD 5	12180	15799	74744	22685	22685	1	Si
57	0.201	26.72	0	11305	SLD 5	11305	14317	74859	22720	22720	1	Si
86	0.201	19.97	0	10429	SLD 5	10429	13017	75164	22813	22813	1	Si
115	0.164	11.4	0	9554	SLD 5	9554	10846	75816	18784	18784	1	Si
129	0.164	11.4	0	9117	SLD 5	9117	10854	75934	18813	18813	1	Si
129	0.164	17.78	0	-365	SLD 11	-365	-12664	-76908	-19055	-19055	1	Si
158	0.164	11.4	0	8241	SLD 5	8241	10922	76908	19055	19055	1	Si
158	0.164	13.92	0	-1240	SLD 11	-1240	-11672	-76908	-19055	-19055	1	Si
186	0.164	11.4	0	7366	SLD 5	7366	10922	76908	19055	19055	1	Si
186	0.164	7.6	0	-2115	SLD 11	-2115	-9541	-76908	-19055	-19055	1	Si
215	0.164	7.6	0	6491	SLD 5	6491	9541	76908	19055	19055	1	Si
215	0.164	7.6	0	-2991	SLD 11	-2991	-9541	-76908	-19055	-19055	1	Si
244	0.164	7.6	0	5616	SLD 5	5616	9541	76908	19055	19055	1	Si
244	0.164	7.6	0	-3866	SLD 11	-3866	-9541	-76908	-19055	-19055	1	Si
272	0.164	14.43	0	4741	SLD 5	4741	11812	76908	19055	19055	1	Si
272	0.164	14.43	0	-4741	SLD 11	-4741	-11812	-76908	-19055	-19055	1	Si
301	0.164	13.92	0	3865	SLD 5	3865	11672	76908	19055	19055	1	Si
301	0.164	13.92	0	-5616	SLD 11	-5616	-11672	-76908	-19055	-19055	1	Si
330	0.164	7.6	0	2990	SLD 5	2990	9541	76908	19055	19055	1	Si
330	0.164	11.4	0	-6491	SLD 11	-6491	-10922	-76908	-19055	-19055	1	Si
344	0.158	7.6	0	2553	SLD 5	2553	9541	76908	18340	18340	1	Si
344	0.158	11.4	0	-6929	SLD 11	-6929	-10922	-76908	-18340	-18340	1	Si
373	0.158	7.6	0	1677	SLD 5	1677	9541	76908	18340	18340	1	Si
373	0.158	11.4	0	-7804	SLD 11	-7804	-10922	-76908	-18340	-18340	1	Si
401	0.158	12.5	0	802	SLD 5	802	11260	76908	18340	18340	1	Si
401	0.158	11.4	0	-8679	SLD 11	-8679	-10922	-76908	-18340	-18340	1	Si
408	0.158	14.43	0	614	SLD 5	614	11812	76908	18340	18340	1	Si
408	0.158	13.26	0	-8868	SLD 11	-8868	-11486	-76908	-18340	-18340	1	Si
430	0	13.94	0	-9555	SLD 11	-9555	-11677	-76908	0	-11677	1	Si

Verifiche delle tensioni in esercizio

x	Rara	Quasi permanente	Verifica

	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-762810	2	-682530	13.2	124.5	307.7	1837	-741837	2	-666296	12.9	93.4	0	+∞	Si
23	-591520	2	-591520	11.5	124.5	266.7	1837	-580489	2	-580489	11.2	93.4	0	+∞	Si
29	-546379	2	-591520	11.5	124.5	266.7	1837	-537933	2	-580489	11.2	93.4	0	+∞	Si
57	-360307	1	-549332	11.4	124.5	258.9	1837	-360307	1	-540717	11.3	93.4	0	+∞	Si
86	-215151	1	-362558	8.5	124.5	189.3	1837	-215151	1	-362558	8.5	93.4	0	+∞	Si
115	-89797	1	-217124	5.5	124.5	146.8	1837	-89797	1	-217124	5.5	93.4	0	+∞	Si
129	17167	3	123781	3.4	124.5	138.6	1837								Si
129	-34545	1	-151832	4	124.5	116.3	1837	-34545	1	-151832	4	93.4	0	+∞	Si
158	122557	3	204687	6.4	124.5	230.2	1837	97935	2	177938	5.5	93.4	0	+∞	Si
186	203801	2	261175	8.1	124.5	293.7	1837	177064	2	234139	7.3	93.4	0	+∞	Si
215	260633	2	293181	9	124.5	316.8	1837	233582	2	267731	8.2	93.4	0	+∞	Si
244	292984	2	300854	6.8	124.5	104.3	1837	267492	2	278792	11.2	93.4	0	+∞	Si
272	300854	2	300854	6.8	124.5	104.3	1837	278792	2	278792	11.2	93.4	0	+∞	Si
301	284242	2	300854	6.8	124.5	104.3	1837	267483	2	278792	11.2	93.4	0	+∞	Si
330	243149	2	284562	9.5	124.5	386.7	1837	233564	2	267722	8.9	93.4	0	+∞	Si
344	213422	2	267248	8.3	124.5	315.6	1837	208127	2	253748	7.9	93.4	0	+∞	Si
373	147325	1	214258	6.4	124.5	240.2	1837	147325	1	208842	6.2	93.4	0	+∞	Si
401	74664	1	148138	4.4	124.5	166	1837	74664	1	148138	4.4	93.4	0	+∞	Si
408	55839	1	133712	4	124.5	149.9	1837	55839	1	133712	4	93.4	0	+∞	Si
430	-97245	3	-48454	1.4	124.5	54.3	1837	-63200	2	-19679	0.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
23	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	2	-0.001	2	9999	Si
29	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	2	-0.001	2	9999	Si
57	0.001	0	0	-0.001	0	0	0	0	0	0	0.001	2	0	2	9999	Si
86	0.002	0.001	0.002	0	0.002	0.001	0.001	0	0.002	0.001	0.004	2	0.002	2	9999	Si
115	0.004	0.002	0.003	0.001	0.003	0.002	0.003	0.002	0.003	0.002	0.008	2	0.005	2	9999	Si
129	0.005	0.003	0.004	0.002	0.004	0.003	0.004	0.002	0.004	0.003	0.009	2	0.006	2	9999	Si
158	0.007	0.004	0.006	0.003	0.006	0.004	0.005	0.004	0.006	0.004	0.013	2	0.01	2	9999	Si
186	0.008	0.005	0.007	0.005	0.007	0.006	0.007	0.005	0.007	0.006	0.017	2	0.013	2	9999	Si
215	0.009	0.006	0.008	0.006	0.008	0.006	0.008	0.006	0.008	0.006	0.019	2	0.015	2	9999	Si
244	0.01	0.007	0.009	0.006	0.009	0.007	0.008	0.006	0.009	0.007	0.02	2	0.017	2	9999	Si
258	0.01	0.007	0.009	0.006	0.009	0.007	0.008	0.007	0.009	0.007	0.021	2	0.017	2	9999	Si
272	0.009	0.007	0.009	0.006	0.009	0.007	0.008	0.007	0.009	0.007	0.021	2	0.017	2	9999	Si
301	0.009	0.007	0.008	0.006	0.008	0.007	0.008	0.006	0.008	0.007	0.019	2	0.016	2	9999	Si
330	0.007	0.006	0.007	0.005	0.007	0.006	0.007	0.006	0.007	0.006	0.016	2	0.014	2	9999	Si
344	0.007	0.005	0.006	0.005	0.006	0.005	0.006	0.005	0.006	0.005	0.015	2	0.013	2	9999	Si
373	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si
401	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
408	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.004	2	0.004	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	7627	13498	22685	SLV 5	0.4	929	1.115	-580489	-2350821	-4867988	SLV 5	0.57	2474	1.666	Si
29	7439	13498	22685	SLV 5	0.41	958	1.129	-580489	-2350821	-4867988	SLV 5	0.57	2474	1.666	Si
57	6564	13498	22720	SLV 5	0.43	1115	1.202	-540717	2295186	3050099	SLV 11	0.56	2275	1.61	Si
86	5689	13498	22813	SLV 5	0.46	1300	1.28	-359528	2018466	1979724	SLV 11	0.42	1024	1.161	Si
115	4813	13498	18784	SLV 5	0.38	774	1.035	-200949	1741752	1922805	SLV 11	0.44	1171	1.226	Si
129	4376	13498	18813	SLV 5	0.39	838	1.069	-130138	1603400	1911855	SLV 11	0.46	1314	1.286	Si
158	3501	13498	19055	SLV 5	0.42	1008	1.153	-5472	-1326707	-1422107	SLV 5	0.39	835	1.068	Si
186	2625	13498	19055	SLV 5	0.44	1165	1.224	96583	-1050043	-1422107	SLV 5	0.52	1843	1.477	Si
215	1750	13498	19055	SLV 5	0.46	1337	1.295	176030	-773441	-1422107	SLV 5	0.57	2474	1.666	Si
244	875	13498	19055	SLV 5	0.48	1524	1.366	232867	497022	970824	SLV 11	0.53	1978	1.52	Si
272	0	-13498	-19055	SLV 11	0.5	1728	1.438	267085	342799	970824	SLV 5	0.57	2474	1.666	Si
301	-875	-13498	-19055	SLV 11	0.48	1524	1.366	232849	619125	970824	SLV 5	0.43	1103	1.197	Si
330	-1751	-13498	-19055	SLV 11	0.46	1337	1.295	176002	895703	1551623	SLV 5	0.55	2166	1.578	Si
344	-2188	-13498	-18340	SLV 11	0.43	1114	1.201	139101	1034024	1780482	SLV 5	0.56	2366	1.636	Si
373	-3063	-13498	-18340	SLV 11	0.41	962	1.131	48341	1310698	1872808	SLV 5	0.5	1665	1.417	Si
401	-3939	-13498	-18340	SLV 11	0.39	833	1.066	26749	1366327	1872764	SLV 5	0.48	1537	1.371	Si
408	-4127	-13498	-18340	SLV 11	0.38	807	1.053	26749	1366327	1872764	SLV 5	0.48	1537	1.371	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	7627	4741	22685	SLD 5	0.43	1067	2.97	-580489	-1040329	-4867988	SLD 5	0.54	2136	3.948	Si
29	7439	4741	22685	SLD 5	0.43	1104	3.012	-580489	-1040329	-4867988	SLD 5	0.54	2136	3.948	Si
57	6564	4741	22720	SLD 5	0.45	1287	3.207	-540717	1015709	3050099	SLD 11	0.47	1418	3.337	Si
86	5689	4741	22813	SLD 5	0.48	1501	3.416	-359528	893249	1979724	SLD 11	0.35	660	2.439	Si
115	4813	4741	18784	SLD 5	0.4	881	2.746	-200949	770792	1922805	SLD 11	0.37	747	2.566	Si
129	4376	4741	18813	SLD 5	0.41	954	2.837	-63150	646618	1911855	SLD 11	0.41	960	2.844	Si
158	3501	4741	19055	SLD 5	0.44	1164	3.078	-5472	-587118	-1422107	SLD 5	0.33	542	2.25	Si
186	2625	4741	19055	SLD 5	0.46	1345	3.266	96583	-464683	-1422107	SLD 5	0.44	1152	3.065	Si
215	1750	4741	19055	SLD 5	0.49	1544	3.456	176030	-342274	-1422107	SLD 5	0.6	2474	4.193	Si
244	875	4741	19055	SLD 5	0.51	1762	3.648	232867	219946	970824	SLD 11	0.45	1235	3.154	Si
272	0	-4741	-19055	SLD 11	0.53	1998	3.841	267085	151694	970824	SLD 5	0.6	2474	4.193	Si
301	-875	-4741	-19055	SLD 11	0.51	1762	3.648	232849	273983	970824	SLD 5	0.36	707	2.509	Si
330	-1751	-4741	-19055	SLD 11	0.49	1544	3.456	176002	396381	1551623	SLD 5	0.46	1351	3.272	Si
344	-2188	-4741	-18340	SLD 11	0.45	1286	3.206	139101	457594	1780482	SLD 5	0.48	1474	3.391	Si
373	-3063	-4741	-18340	SLD 11	0.43	1109	3.017	48341	580033	1872808	SLD 5	0.42	1039	2.938	Si
401	-3939	-4741	-18340	SLD 11	0.41	948	2.83	26749	604651	1872764	SLD 5	0.41	959	2.843	Si
408	-4127	-4741	-18340	SLD 11	0.4	918	2.792	26749	604651	1872764	SLD 5	0.41	959	2.843	Si

Campata 13 tra i fili 15A - ?, sezione R 45x70, asta 981

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4						-416276	SLU 30	-305135	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4	-81377	SLU 1	69299	1872764	0.089	-206657	SLU 30	-206657	-1872764	0.089	Si
45	15.18	5.4	13.7	5.4	37283	SLU 19	185344	1694101	0.087	-36219	SLU 18	-206657	-1869797	0.089	Si
68	14.11	5.4	10.65	5.4	149164	SLU 20	308912	1332137	0.083	91785	SLU 17	-76942	-1743352	0.088	Si
91	13.04	5.4	7.6	5.4	276689	SLU 29	409235	971036	0.078						Si
102	11.4	5.4	7.6	5.4	333720	SLU 29	449723	970824	0.078						Si
125	11.4	5.4	7.6	5.4	428432	SLU 29	511349	970824	0.078						Si
147	11.4	5.4	7.6	5.4	497347	SLU 29	547176	970824	0.078						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
170	11.4	5.4	7.6	5.4	540462	SLU 29	557779	970824	0.078						Si
193	11.4	5.4	7.6	5.4	557779	SLU 29	557779	970824	0.078						Si
215	11.4	5.4	7.6	5.4	549298	SLU 29	557779	970824	0.078						Si
238	11.4	5.4	7.6	5.4	515018	SLU 29	553516	970824	0.078						Si
249	11.4	5.4	9.85	5.4	488203	SLU 29	543244	1237304	0.081						Si
272	11.4	5.4	11.37	5.4	415225	SLU 29	503353	1418456	0.083						Si
295	11.4	5.4	11.4	5.4	316449	SLU 29	437664	1422094	0.084						Si
318	11.4	5.4	11.4	5.4	190816	SLU 29	345402	1422094	0.084						Si
340	11.4	5.4	11.4	5.4	58264	SLU 26	58264	1422094	0.084						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	479374	SLV 11	479374	1872764	0.089	-1002512	SLV 5	-870624	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4	504402	SLV 11	513533	1872764	0.089	-746058	SLV 5	-746058	-1872764	0.089	Si
45	15.18	5.4	13.7	5.4	513533	SLV 7	513533	1694101	0.087	-504479	SLV 9	-746058	-1869797	0.089	Si
68	14.11	5.4	10.65	5.4	507849	SLV 7	513533	1332137	0.083	-284918	SLV 9	-559330	-1743352	0.088	Si
91	13.04	5.4	7.6	5.4	488768	SLV 7	510419	971036	0.078	-86771	SLV 9	-345449	-1616794	0.087	Si
102	11.4	5.4	7.6	5.4	473905	SLV 7	504438	970824	0.078	4569	SLV 9	-240668	-1422093	0.084	Si
125	11.4	5.4	7.6	5.4	432950	SLV 7	482302	970824	0.078	172371	SLV 9	-47038	-1422093	0.084	Si
147	11.4	5.4	7.6	5.4	444986	SLV 1	564447	970824	0.078						Si
170	11.4	5.4	7.6	5.4	527276	SLV 5	687435	970824	0.078						Si
193	11.4	5.4	7.6	5.4	654877	SLV 5	793591	970824	0.078	122111	SLV 11	-39885	-1422093	0.084	Si
215	11.4	5.4	7.6	5.4	765867	SLV 5	882538	970824	0.078	-1281	SLV 11	-185881	-1422093	0.084	Si
238	11.4	5.4	7.6	5.4	859693	SLV 5	954177	970824	0.078	-142323	SLV 11	-349382	-1422093	0.084	Si
249	11.4	5.4	9.85	5.4	900126	SLV 5	983492	1237304	0.081	-219418	SLV 11	-437682	-1422093	0.084	Si
272	11.4	5.4	11.37	5.4	967995	SLV 5	1029100	1418456	0.083	-386720	SLV 11	-627371	-1422094	0.084	Si
295	11.4	5.4	11.4	5.4	1018510	SLV 5	1051801	1422094	0.084	-571480	SLV 11	-775264	-1422094	0.084	Si
318	11.4	5.4	11.4	5.4	1051801	SLV 5	1051801	1422094	0.084	-775264	SLV 11	-775264	-1422094	0.084	Si
340	11.4	5.4	11.4	5.4	1067415	SLV 5	1063932	1422094	0.084	-993313	SLV 11	-880068	-1422094	0.084	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	66281	SLD 11	66281	1872764	0.089	-589419	SLD 5	-489445	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4	155818	SLD 11	246536	1872764	0.089	-397474	SLD 5	-397474	-1872764	0.089	Si
45	15.18	5.4	13.7	5.4	229741	SLD 7	299667	1694101	0.087	-220687	SLD 9	-397474	-1869797	0.089	Si
68	14.11	5.4	10.65	5.4	286842	SLD 7	336637	1332137	0.083	-63911	SLD 9	-263858	-1743352	0.088	Si
91	13.04	5.4	7.6	5.4	328310	SLD 7	357409	971036	0.078	73687	SLD 9	-106854	-1616794	0.087	Si
102	11.4	5.4	7.6	5.4	343048	SLD 7	361953	970824	0.078	135426	SLD 9	-32945	-1422093	0.084	Si
125	11.4	5.4	7.6	5.4	360272	SLD 7	406273	970824	0.078						Si
147	11.4	5.4	7.6	5.4	391261	SLD 1	462558	970824	0.078						Si
170	11.4	5.4	7.6	5.4	443655	SLD 5	520496	970824	0.078						Si
193	11.4	5.4	7.6	5.4	506378	SLD 5	561275	970824	0.078						Si
215	11.4	5.4	7.6	5.4	552039	SLD 5	584735	970824	0.078						Si
238	11.4	5.4	7.6	5.4	580399	SLD 5	591403	970824	0.078						Si
249	11.4	5.4	9.85	5.4	588073	SLD 5	591403	1237304	0.081	92636	SLD 11	-41552	-1422093	0.084	Si
272	11.4	5.4	11.37	5.4	590390	SLD 5	591403	1418456	0.083	-9114	SLD 11	-165653	-1422094	0.084	Si
295	11.4	5.4	11.4	5.4	575323	SLD 5	590963	1422094	0.084	-128294	SLD 11	-265994	-1422094	0.084	Si
318	11.4	5.4	11.4	5.4	542532	SLD 5	580665	1422094	0.084	-265994	SLD 11	-265994	-1422094	0.084	Si
340	11.4	5.4	11.4	5.4	493013	SLD 5	493013	1422094	0.084	-418911	SLD 11	-338203	-1422094	0.084	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.11	0	9883	SLU 30	9883	11725	76908	0	11725	1	Si
23	0.115	13.04	0	8754	SLU 30	8754	11422	76908	13338	13338	1	Si
45	0.115	11.4	0	7607	SLU 30	7607	10922	76908	13338	13338	1	Si
68	0.115	7.6	0	6469	SLU 30	6469	9541	76908	13338	13338	1	Si
91	0.115	7.6	0	5331	SLU 30	5331	9541	76908	13338	13338	1	Si
102	0.084	7.6	0	4762	SLU 30	4762	9541	76908	9789	9789	1	Si
125	0.084	7.6	0	3623	SLU 30	3623	9541	76908	9789	9789	1	Si
147	0.084	7.6	0	2485	SLU 30	2485	9541	76908	9789	9789	1	Si
170	0.084	7.6	0	1347	SLU 30	1347	9541	76908	9789	9789	1	Si
193	0.084	7.6	0	234	SLU 36	234	9541	76908	9789	9789	1	Si
215	0.084	7.6	0	-943	SLU 29	-943	-9541	-76908	-9789	-9789	1	Si
238	0.084	7.6	0	-2081	SLU 29	-2081	-9541	-76908	-9789	-9789	1	Si
249	0.072	7.6	0	-2651	SLU 29	-2651	-9541	-76908	-8336	-9541	1	Si
272	0.072	7.6	0	-3789	SLU 29	-3789	-9541	-76908	-8336	-9541	1	Si
295	0.072	7.6	0	-4927	SLU 29	-4927	-9541	-76908	-8336	-9541	1	Si
318	0.072	9.85	0	-6073	SLU 29	-6073	-10400	-76908	-8336	-10400	1	Si
340	0	11.37	0	-7203	SLU 29	-7203	-10912	-76908	0	-10912	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.11	0	11835	SLV 5	13186	11725	76908	0	11725	1	Si
23	0.115	13.04	0	11073	SLV 5	12424	11422	76908	13338	13338	1	Si
23	0.115	7.6	0	678	SLV 11	-673	-9541	-76908	-13338	-13338	1	Si
45	0.115	11.4	0	10299	SLV 5	11650	10922	76908	13338	13338	1	Si
45	0.115	7.6	0	-95	SLV 11	-1446	-9541	-76908	-13338	-13338	1	Si
68	0.115	11.4	0	9531	SLV 5	10882	10922	76908	13338	13338	1	Si
68	0.115	7.6	0	-863	SLV 11	-2214	-9541	-76908	-13338	-13338	1	Si
91	0.115	11.4	0	8763	SLV 5	10114	10922	76908	13338	13338	1	Si
91	0.115	7.6	0	-1631	SLV 11	-2982	-9541	-76908	-13338	-13338	1	Si
102	0.084	7.6	0	8379	SLV 5	9730	9541	76908	9789	9789	1	Si
102	0.084	7.6	0	-2015	SLV 11	-3366	-9541	-76908	-9789	-9789	1	Si
125	0.084	7.6	0	7611	SLV 5	8962	9541	76908	9789	9789	1	Si
125	0.084	7.6	0	-2783	SLV 11	-4134	-9541	-76908	-9789	-9789	1	Si
147	0.084	7.6	0	6843	SLV 5	8195	9541	76908	9789	9789	1	Si
147	0.084	7.6	0	-3551	SLV 11	-4902	-9541	-76908	-9789	-9789	1	Si
170	0.084	7.6	0	6075	SLV 5	7427	9541	76908	9789	9789	1	Si
170	0.084	7.6	0	-4319	SLV 11	-5670	-9541	-76908	-9789	-9789	1	Si
193	0.084	7.6	0	5307	SLV 5	6659	9541	76908	9789	9789	1	Si
193	0.084	7.6	0	-5087	SLV 11	-6438	-9541	-76908	-9789	-9789	1	Si
215	0.084	7.6	0	4540	SLV 5	5891	9541	76908	9789	9789	1	Si
215	0.084	11.4	0	-5855	SLV 11	-7206	-10922	-76908	-9789	-10922	1	Si
238	0.084	7.6	0	3772	SLV 5	5123	9541	76908	9789	9789	1	Si
238	0.084	11.4	0	-6623	SLV 11	-7974	-10922	-76908	-9789	-10922	1	Si
249	0.072	7.6	0	3388	SLV 5	4739	9541	76908	8336	9541	1	Si
249	0.072	11.4	0	-7007	SLV 11	-8358	-10922	-76908	-8336	-10922	1	Si
272	0.072	7.6	0	2620	SLV 5	3971	9541	76908	8336	9541	1	Si
272	0.072	11.4	0	-7774	SLV 11	-9126	-10922	-76908	-8336	-10922	1	Si
295	0.072	7.6	0	1852	SLV 5	3203	9541	76908	8336	9541	1	Si
295	0.072	11.4	0	-8542	SLV 11	-9894	-10922	-76908	-8336	-10922	1	Si
318	0.072	9.85	0	1078	SLV 5	2430	10400	76908	8336	10400	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
318	0.072	11.4	0	-9316	SLV 11	-10667	-10922	-76908	-8336	-10922	1	Si
340	0	11.37	0	316	SLV 5	1667	10912	76908	0	10912	1	Si
340	0	11.4	0	-10078	SLV 11	-11429	-10922	-76908	0	-10922	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.11	0	8937	SLD 5	8937	11725	76908	0	11725	1	Si
23	0.115	13.04	0	8175	SLD 5	8175	11422	76908	13338	13338	1	Si
45	0.115	11.4	0	7402	SLD 5	7402	10922	76908	13338	13338	1	Si
68	0.115	11.4	0	6634	SLD 5	6634	10922	76908	13338	13338	1	Si
91	0.115	7.6	0	5866	SLD 5	5866	9541	76908	13338	13338	1	Si
102	0.084	7.6	0	5482	SLD 5	5482	9541	76908	9789	9789	1	Si
125	0.084	7.6	0	4714	SLD 5	4714	9541	76908	9789	9789	1	Si
147	0.084	7.6	0	3946	SLD 5	3946	9541	76908	9789	9789	1	Si
147	0.084	7.6	0	-654	SLD 11	-654	-9541	-76908	-9789	-9789	1	Si
170	0.084	7.6	0	3178	SLD 5	3178	9541	76908	9789	9789	1	Si
170	0.084	7.6	0	-1421	SLD 11	-1421	-9541	-76908	-9789	-9789	1	Si
193	0.084	7.6	0	2410	SLD 5	2410	9541	76908	9789	9789	1	Si
193	0.084	7.6	0	-2189	SLD 11	-2189	-9541	-76908	-9789	-9789	1	Si
215	0.084	7.6	0	1642	SLD 5	1642	9541	76908	9789	9789	1	Si
215	0.084	7.6	0	-2957	SLD 11	-2957	-9541	-76908	-9789	-9789	1	Si
238	0.084	7.6	0	874	SLD 5	874	9541	76908	9789	9789	1	Si
238	0.084	7.6	0	-3725	SLD 11	-3725	-9541	-76908	-9789	-9789	1	Si
249	0.072	7.6	0	490	SLD 5	490	9541	76908	8336	9541	1	Si
249	0.072	7.6	0	-4109	SLD 11	-4109	-9541	-76908	-8336	-9541	1	Si
272	0.072	11.4	0	-4877	SLD 11	-4877	-10922	-76908	-8336	-10922	1	Si
295	0.072	11.4	0	-5645	SLD 11	-5645	-10922	-76908	-8336	-10922	1	Si
318	0.072	11.4	0	-6419	SLD 11	-6419	-10922	-76908	-8336	-10922	1	Si
340	0	11.4	0	-7181	SLD 11	-7181	-10922	-76908	0	-10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-296198	3	-215146	6.4	124.5	241.1	1837	-261569	2	-186927	5.5	93.4	0	+∞	Si
23	-143345	3	-143345	4.3	124.5	160.7	1837	-120828	2	-120828	3.6	93.4	0	+∞	Si
45	18138	1	140285	4.3	124.5	173.9	1837	18138	1	137988	4.2	93.4	0	+∞	Si
45	-8964	9	-143345	4.3	124.5	161.1	1837								Si
68	111496	2	232157	7.9	124.5	367.7	1837	111466	2	222603	7.6	93.4	0	+∞	Si
91	208692	2	305181	6.7	124.5	105	1837	200998	2	289813	11.4	93.4	0	+∞	Si
102	250223	2	334626	7.5	124.5	116	1837	239237	2	316890	12.7	93.4	0	+∞	Si
125	319148	2	379379	8.5	124.5	131.6	1837	302661	2	357990	14.4	93.4	0	+∞	Si
147	369226	2	405286	9.1	124.5	140.5	1837	348678	2	381684	15.3	93.4	0	+∞	Si
170	400456	2	412840	9.3	124.5	143.2	1837	377289	2	388494	15.6	93.4	0	+∞	Si
193	412840	2	412840	9.3	124.5	143.2	1837	388494	2	388494	15.6	93.4	0	+∞	Si
215	406376	2	412840	9.3	124.5	143.2	1837	382293	2	388494	15.6	93.4	0	+∞	Si
238	381064	2	409533	9.2	124.5	142	1837	358685	2	385274	15.5	93.4	0	+∞	Si
249	361341	2	401895	14.6	124.5	687.7	1837	340354	2	378105	13.8	93.4	0	+∞	Si
272	307759	2	372485	12.8	124.5	554.3	1837	290638	2	350711	12.1	93.4	0	+∞	Si
295	235329	2	324227	11.2	124.5	481.3	1837	223515	2	305912	10.5	93.4	0	+∞	Si
318	143277	2	256555	8.8	124.5	380.8	1837	138269	2	243181	8.4	93.4	0	+∞	Si
340	42666	8	42666	1.5	124.5	63.3	1837	41735	1	41735	1.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
23	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
45	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
68	0.007	0.006	0.006	0.005	0.007	0.006	0.005	0.005	0.007	0.006	0.014	2	0.013	2	9999	Si
91	0.009	0.008	0.007	0.006	0.009	0.008	0.007	0.007	0.009	0.008	0.018	2	0.017	2	9999	Si
102	0.01	0.009	0.008	0.007	0.01	0.009	0.008	0.007	0.01	0.009	0.02	2	0.018	2	9999	Si
125	0.012	0.01	0.01	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.023	2	0.021	2	9999	Si
147	0.013	0.011	0.011	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.026	2	0.024	2	9999	Si
170	0.013	0.011	0.011	0.009	0.013	0.012	0.011	0.01	0.013	0.012	0.027	2	0.025	2	9999	Si
181	0.014	0.011	0.011	0.009	0.013	0.012	0.011	0.01	0.013	0.012	0.027	2	0.025	2	9999	Si
193	0.013	0.011	0.011	0.009	0.013	0.012	0.011	0.01	0.013	0.012	0.027	2	0.025	2	9999	Si
215	0.013	0.011	0.011	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.026	2	0.023	2	9999	Si
238	0.012	0.01	0.01	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.023	2	0.021	2	9999	Si
249	0.011	0.009	0.009	0.007	0.01	0.009	0.008	0.008	0.01	0.009	0.021	2	0.019	2	9999	Si
272	0.009	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.017	2	0.016	2	9999	Si
295	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.012	2	0.011	2	9999	Si
318	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5875	6548	13338	SLV 5	0.41	979	1.139	-120828	-625230	-1872764	SLV 5	0.57	2474	1.666	Si
45	5102	6548	13338	SLV 5	0.45	1271	1.268	-120828	-625230	-1869797	SLV 5	0.57	2474	1.666	Si
68	4334	6548	13338	SLV 5	0.49	1611	1.398	-29371	529958	1332137	SLV 11	0.57	2474	1.666	Si
91	3566	6548	13338	SLV 5	0.53	2005	1.529	82485	427934	971036	SLV 7	0.57	2474	1.666	Si
102	3182	6548	9789	SLV 5	0.37	727	1.009	131885	372553	970824	SLV 7	0.57	2474	1.666	Si
125	2414	6548	9789	SLV 5	0.41	951	1.126	217632	264670	970824	SLV 7	0.57	2474	1.666	Si
147	1646	6548	9789	SLV 5	0.45	1233	1.253	381684	182764	970824	SLV 5	0.57	2474	1.666	Si
170	878	6548	9789	SLV 5	0.49	1566	1.381	387971	299464	970824	SLV 5	0.57	2474	1.666	Si
193	110	6548	9789	SLV 5	0.53	1954	1.513	376853	416738	970824	SLV 5	0.51	1773	1.454	Si
215	-658	-6548	-10922	SLV 11	0.56	2287	1.614	348328	534210	970824	SLV 5	0.42	1038	1.167	Si
238	-1425	-6548	-10922	SLV 11	0.52	1857	1.481	302398	651779	970824	SLV 5	0.37	757	1.025	Si
249	-1809	-6548	-10922	SLV 11	0.5	1663	1.416	272905	710587	1237304	SLV 5	0.49	1556	1.378	Si
272	-2577	-6548	-10922	SLV 11	0.46	1316	1.286	200865	828235	1418456	SLV 5	0.52	1926	1.504	Si
295	-3345	-6548	-10922	SLV 11	0.42	1019	1.158	138269	913533	1422094	SLV 5	0.5	1708	1.432	Si
318	-4119	-6548	-10922	SLV 11	0.38	781	1.039	138269	913533	1422094	SLV 5	0.5	1708	1.432	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5875	2300	13338	SLD 5	0.43	1130	3.041	-120828	-276646	-1872764	SLD 5	0.6	2474	4.193	Si
45	5102	2300	13338	SLD 5	0.48	1467	3.384	-120828	-276646	-1869797	SLD 5	0.6	2474	4.193	Si
68	4334	2300	13338	SLD 5	0.52	1862	3.732	-29371	234487	1332137	SLD 11	0.6	2474	4.193	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
91	3566	2300	13338	SLD 5	0.56	2319	4.083	82485	189338	971036	SLD 7	0.6	2474	4.193	Si
102	3182	2300	9789	SLD 5	0.39	827	2.675	131885	164831	970824	SLD 7	0.6	2474	4.193	Si
125	2414	2300	9789	SLD 5	0.43	1095	3.002	217632	117089	970824	SLD 7	0.6	2474	4.193	Si
147	1646	2300	9789	SLD 5	0.47	1423	3.342	381684	80875	970824	SLD 5	0.6	2474	4.193	Si
170	878	2300	9789	SLD 5	0.51	1811	3.69	387971	132524	970824	SLD 5	0.58	2474	4.193	Si
193	110	2300	9789	SLD 5	0.56	2259	4.04	376853	184422	970824	SLD 5	0.43	1108	3.016	Si
215	-658	-2300	-9789	SLD 11	0.53	1934	3.79	348328	236406	970824	SLD 5	0.36	669	2.453	Si
238	-1425	-2300	-9789	SLD 11	0.48	1529	3.442	317672	273732	970824	SLD 5	0.32	527	2.224	Si
249	-1809	-2300	-9541	SLD 11	0.45	1241	3.16	317672	273732	1237304	SLD 5	0.45	1239	3.158	Si
272	-2577	-2300	-10922	SLD 11	0.48	1520	3.434	200865	366518	1418456	SLD 5	0.44	1203	3.12	Si
295	-3345	-2300	-10922	SLD 11	0.44	1176	3.091	138269	404263	1422094	SLD 5	0.43	1067	2.97	Si
318	-4119	-2300	-10922	SLD 11	0.4	889	2.756	138269	404263	1422094	SLD 5	0.43	1067	2.97	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" (1926; 3516)-29A

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x50	Rettangolare	30	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 36C - 25D, sezione R 30x50, asta 814

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	161640	SLU 30	161640	1241602	0.152						Si
9	7.6	5.4	15.21	5.4	162205	SLU 30	162205	1241602	0.152						Si
18	7.6	5.4	15.21	5.4	160454	SLU 30	160454	1241602	0.152						Si
25	7.6	5.4	15.21	5.4	157111	SLU 30	157111	1241602	0.152						Si
35	7.6	5.4	15.21	5.4	149760	SLU 30	157111	1241602	0.152						Si
40	10.68	5.4	15.21	5.4	145588	SLU 30	157111	1241499	0.144						Si
49	11.52	5.4	15.21	5.4	135453	SLU 29	154950	1241453	0.142						Si
57	12.35	5.4	15.21	5.4	122926	SLU 29	147858	1241398	0.141						Si
66	13.18	5.4	15.21	5.4	108002	SLU 29	138372	1241298	0.14						Si
75	14.01	5.4	15.21	5.4	90682	SLU 29	126498	1241230	0.139						Si
84	14.85	5.4	15.21	5.4	70964	SLU 29	112226	1241209	0.138						Si
93	15.21	5.4	15.21	5.4	48849	SLU 29	95557	1241198	0.137	28913	SLU 8	-3753	-1241198	0.137	Si
102	15.21	5.4	15.21	5.4	24337	SLU 29	76492	1241198	0.137	13187	SLU 8	-3753	-1241198	0.137	Si
106	15.21	5.4	15.21	5.4	11183	SLU 29	66060	1241198	0.137	4824	SLU 8	-3753	-1241198	0.137	Si
110	15.21	5.4	15.21	5.4	-575	SLU 11	56100	1241198	0.137	-3753	SLU 26	-3753	-1241198	0.137	Si
115	15.21	5.4	15.21	5.4						-17602	SLU 36	-15706	-1241198	0.137	Si
124	15.21	5.4	15.21	5.4						-47528	SLU 30	-31591	-1241198	0.137	Si
132	15.21	5.4	15.21	5.4						-80440	SLU 30	-37023	-1241198	0.137	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	1226933	SLV 11	1069903	1241602	0.152	-990737	SLV 5	-832826	-644450	0.121	No
9	7.6	5.4	15.21	5.4	1114671	SLV 11	1049377	1241602	0.152	-879424	SLV 5	-813770	-644450	0.121	No
18	7.6	5.4	15.21	5.4	1000971	SLV 11	987799	1241602	0.152	-769777	SLV 5	-756602	-644450	0.121	No
25	7.6	5.4	15.21	5.4	905491	SLV 11	905491	1241602	0.152	-680188	SLV 5	-680188	-644450	0.121	No
35	7.6	5.4	15.21	5.4	769767	SLV 11	905491	1241602	0.152	-556302	SLV 5	-680188	-644450	0.121	No
40	10.68	5.4	15.21	5.4	711609	SLV 11	905491	1241499	0.144	-504582	SLV 5	-680188	-886383	0.127	Si
49	11.52	5.4	15.21	5.4	597287	SLV 7	859469	1241453	0.142	-405541	SLV 9	-637738	-951754	0.129	Si
57	12.35	5.4	15.21	5.4	490088	SLV 7	743256	1241398	0.141	-316831	SLV 9	-532725	-1017096	0.131	Si
66	13.18	5.4	15.21	5.4	386763	SLV 7	628067	1241298	0.14	-235204	SLV 9	-431944	-1082450	0.133	Si
75	14.01	5.4	15.21	5.4	283551	SLV 7	518756	1241230	0.139	-156899	SLV 9	-340251	-1147767	0.135	Si
84	14.85	5.4	15.21	5.4	218833	SLV 3	414805	1241209	0.138	-120295	SLV 13	-257124	-1213096	0.137	Si
93	15.21	5.4	15.21	5.4	220617	SLV 1	311662	1241198	0.137	-153402	SLV 15	-313743	-1241198	0.137	Si
102	15.21	5.4	15.21	5.4	265956	SLV 1	310505	1241198	0.137	-233272	SLV 15	-313743	-1241198	0.137	Si
106	15.21	5.4	15.21	5.4	289458	SLV 1	310505	1241198	0.137	-275243	SLV 15	-313743	-1241198	0.137	Si
110	15.21	5.4	15.21	5.4	310505	SLV 1	310505	1241198	0.137	-313743	SLV 15	-313743	-1241198	0.137	Si
115	15.21	5.4	15.21	5.4	338056	SLV 5	333373	1241198	0.137	-363184	SLV 11	-355752	-1241198	0.137	Si
124	15.21	5.4	15.21	5.4	428411	SLV 5	387632	1241198	0.137	-496092	SLV 11	-433091	-1241198	0.137	Si
132	15.21	5.4	15.21	5.4	517311	SLV 5	405775	1241198	0.137	-630752	SLV 11	-458928	-1241198	0.137	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	608772	SLD 11	539530	1241602	0.152	-372576	SLD 5	-302453	-644450	0.121	Si
9	7.6	5.4	15.21	5.4	558831	SLD 11	530037	1241602	0.152	-323584	SLD 5	-294430	-644450	0.121	Si
18	7.6	5.4	15.21	5.4	507388	SLD 11	501560	1241602	0.152	-276193	SLD 5	-270362	-644450	0.121	Si
25	7.6	5.4	15.21	5.4	463495	SLD 11	463495	1241602	0.152	-238192	SLD 5	-238192	-644450	0.121	Si
35	7.6	5.4	15.21	5.4	400137	SLD 11	463495	1241602	0.152	-186671	SLD 5	-238192	-644450	0.121	Si
40	10.68	5.4	15.21	5.4	372607	SLD 11	463495	1241499	0.144	-165579	SLD 5	-238192	-886383	0.127	Si
49	11.52	5.4	15.21	5.4	317761	SLD 7	442134	1241453	0.142	-126015	SLD 9	-220403	-951754	0.129	Si
57	12.35	5.4	15.21	5.4	265170	SLD 7	387587	1241398	0.141	-91913	SLD 9	-177056	-1017096	0.131	Si
66	13.18	5.4	15.21	5.4	213392	SLD 7	332600	1241298	0.14	-61833	SLD 9	-136478	-1082450	0.133	Si
75	14.01	5.4	15.21	5.4	160763	SLD 7	279320	1241230	0.139	-34110	SLD 9	-100814	-1147767	0.135	Si
84	14.85	5.4	15.21	5.4	124267	SLD 3	227509	1241209	0.138	-25729	SLD 13	-106963	-1213096	0.137	Si
93	15.21	5.4	15.21	5.4	116279	SLD 1	175156	1241198	0.137	-49064	SLD 15	-139673	-1241198	0.137	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
102	15.21	5.4	15.21	5.4	126740	SLD 1	136435	1241198	0.137	-94056	SLD 15	-139673	-1241198	0.137	Si
106	15.21	5.4	15.21	5.4	131990	SLD 1	136435	1241198	0.137	-117775	SLD 15	-139673	-1241198	0.137	Si
110	15.21	5.4	15.21	5.4	136435	SLD 1	136435	1241198	0.137	-139673	SLD 15	-139673	-1241198	0.137	Si
115	15.21	5.4	15.21	5.4	142553	SLD 5	141213	1241198	0.137	-167681	SLD 11	-163592	-1241198	0.137	Si
124	15.21	5.4	15.21	5.4	170678	SLD 5	158819	1241198	0.137	-238359	SLD 11	-204278	-1241198	0.137	Si
132	15.21	5.4	15.21	5.4	197263	SLD 5	164703	1241198	0.137	-310704	SLD 11	-217855	-1241198	0.137	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	210	SLU 11	210	7687	35398	0	7687	1	Si
0	0	15.21	0	-215	SLU 26	-215	-7687	-35398	0	-7687	1	Si
9	0	15.21	0	33	SLU 11	33	7687	35398	0	7687	1	Si
9	0	15.21	0	-363	SLU 26	-363	-7687	-35398	0	-7687	1	Si
18	0	15.21	0	-552	SLU 26	-552	-7687	-35398	0	-7687	1	Si
25	0.237	15.21	0	-708	SLU 26	-708	-7687	-35398	-18959	-18959	1	Si
35	0.237	15.21	0	-933	SLU 35	-933	-7687	-35398	-18959	-18959	1	Si
40	0.237	15.21	0	-1039	SLU 36	-1039	-7687	-35398	-18959	-18959	1	Si
49	0.237	15.21	0	-1292	SLU 36	-1292	-7687	-35398	-18959	-18959	1	Si
57	0.237	15.21	0	-1555	SLU 30	-1555	-7687	-35398	-18959	-18959	1	Si
66	0.237	15.21	0	-1826	SLU 30	-1826	-7687	-35398	-18959	-18959	1	Si
75	0.237	15.21	0	-2098	SLU 30	-2098	-7687	-35398	-18959	-18959	1	Si
84	0.237	15.21	0	-2369	SLU 30	-2369	-7687	-35398	-18959	-18959	1	Si
93	0.237	15.21	0	-2640	SLU 30	-2640	-7687	-35398	-18959	-18959	1	Si
102	0.237	15.21	0	-2912	SLU 30	-2912	-7687	-35398	-18959	-18959	1	Si
106	0.237	15.21	0	-3048	SLU 30	-3048	-7687	-35398	-18959	-18959	1	Si
110	0.237	13.18	0	-3170	SLU 30	-3170	-7330	-35398	-18959	-18959	1	Si
115	0	13.6	0	-3319	SLU 30	-3319	-7406	-35398	0	-7406	1	Si
124	0	14.43	0	-3590	SLU 30	-3590	-7555	-35398	0	-7555	1	Si
132	0	15.21	0	-3862	SLU 30	-3862	-7687	-35398	0	-7687	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	12683	SLV 5	15980	6102	35398	0	6102	1	Si
0	0	15.21	0	-12681	SLV 11	-15978	-7687	-35398	0	-7687	1	Si
9	0	7.6	0	12543	SLV 5	15841	6102	35398	0	6102	1	Si
9	0	15.21	0	-12821	SLV 11	-16118	-7687	-35398	0	-7687	1	Si
18	0	7.6	0	12362	SLV 5	15659	6102	35398	0	6102	1	Si
18	0	15.21	0	-13002	SLV 11	-16300	-7687	-35398	0	-7687	1	Si
25	0.237	7.6	0	12211	SLV 5	15508	6102	35398	18959	18959	1	Si
25	0.237	15.21	0	-13153	SLV 11	-16450	-7687	-35398	-18959	-18959	1	Si
35	0.237	7.6	0	11999	SLV 5	15296	6102	35398	18959	18959	1	Si
35	0.237	15.21	0	-13365	SLV 11	-16663	-7687	-35398	-18959	-18959	1	Si
40	0.237	7.6	0	11908	SLV 5	15205	6102	35398	18959	18959	1	Si
40	0.237	15.21	0	-13456	SLV 11	-16754	-7687	-35398	-18959	-18959	1	Si
49	0.237	7.6	0	11726	SLV 5	15024	6102	35398	18959	18959	1	Si
49	0.237	15.21	0	-13638	SLV 11	-16935	-7687	-35398	-18959	-18959	1	Si
57	0.237	7.6	0	11545	SLV 5	14842	6102	35398	18959	18959	1	Si
57	0.237	15.21	0	-13819	SLV 11	-17117	-7687	-35398	-18959	-18959	1	Si
66	0.237	7.6	0	11363	SLV 5	14660	6102	35398	18959	18959	1	Si
66	0.237	15.21	0	-14001	SLV 11	-17298	-7687	-35398	-18959	-18959	1	Si
75	0.237	7.6	0	11181	SLV 5	14479	6102	35398	18959	18959	1	Si
75	0.237	15.21	0	-14183	SLV 11	-17480	-7687	-35398	-18959	-18959	1	Si
84	0.237	15.21	0	11000	SLV 5	14297	7687	35398	18959	18959	1	Si
84	0.237	15.21	0	-14364	SLV 11	-17662	-7687	-35398	-18959	-18959	1	Si
93	0.237	15.21	0	10818	SLV 5	14116	7687	35398	18959	18959	1	Si
93	0.237	11.52	0	-14546	SLV 11	-17843	-7007	-35398	-18959	-18959	1	Si
102	0.237	15.21	0	10637	SLV 5	13934	7687	35398	18959	18959	1	Si
102	0.237	12.35	0	-14727	SLV 11	-18025	-7172	-35398	-18959	-18959	1	Si
106	0.237	15.21	0	10546	SLV 5	13843	7687	35398	18959	18959	1	Si
106	0.237	12.77	0	-14818	SLV 11	-18116	-7252	-35398	-18959	-18959	1	Si
110	0.237	15.21	0	10464	SLV 5	13761	7687	35398	18959	18959	1	Si
110	0.237	13.18	0	-14900	SLV 11	-18198	-7330	-35398	-18959	-18959	1	Si
115	0	15.21	0	10364	SLV 5	13662	7687	35398	0	7687	1	Si
115	0	13.6	0	-15000	SLV 11	-18297	-7406	-35398	0	-7406	1	Si
124	0	15.21	0	10183	SLV 5	13480	7687	35398	0	7687	1	Si
124	0	14.43	0	-15181	SLV 11	-18479	-7555	-35398	0	-7555	1	Si
132	0	15.21	0	10001	SLV 5	13298	7687	35398	0	7687	1	Si
132	0	15.21	0	-15363	SLV 11	-18660	-7687	-35398	0	-7687	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5613	SLD 5	5613	6102	35398	0	6102	1	Si
0	0	15.21	0	-5611	SLD 11	-5611	-7687	-35398	0	-7687	1	Si
9	0	7.6	0	5473	SLD 5	5473	6102	35398	0	6102	1	Si
9	0	15.21	0	-5750	SLD 11	-5750	-7687	-35398	0	-7687	1	Si
18	0	7.6	0	5292	SLD 5	5292	6102	35398	0	6102	1	Si
18	0	15.21	0	-5932	SLD 11	-5932	-7687	-35398	0	-7687	1	Si
25	0.237	7.6	0	5141	SLD 5	5141	6102	35398	18959	18959	1	Si
25	0.237	15.21	0	-6083	SLD 11	-6083	-7687	-35398	-18959	-18959	1	Si
35	0.237	7.6	0	4928	SLD 5	4928	6102	35398	18959	18959	1	Si
35	0.237	15.21	0	-6295	SLD 11	-6295	-7687	-35398	-18959	-18959	1	Si
40	0.237	7.6	0	4838	SLD 5	4838	6102	35398	18959	18959	1	Si
40	0.237	15.21	0	-6386	SLD 11	-6386	-7687	-35398	-18959	-18959	1	Si
49	0.237	7.6	0	4656	SLD 5	4656	6102	35398	18959	18959	1	Si
49	0.237	15.21	0	-6568	SLD 11	-6568	-7687	-35398	-18959	-18959	1	Si
57	0.237	7.6	0	4474	SLD 5	4474	6102	35398	18959	18959	1	Si
57	0.237	15.21	0	-6749	SLD 11	-6749	-7687	-35398	-18959	-18959	1	Si
66	0.237	7.6	0	4293	SLD 5	4293	6102	35398	18959	18959	1	Si
66	0.237	15.21	0	-6931	SLD 11	-6931	-7687	-35398	-18959	-18959	1	Si
75	0.237	7.6	0	4111	SLD 5	4111	6102	35398	18959	18959	1	Si
75	0.237	15.21	0	-7112	SLD 11	-7112	-7687	-35398	-18959	-18959	1	Si
84	0.237	15.21	0	3930	SLD 5	3930	7687	35398	18959	18959	1	Si
84	0.237	15.21	0	-7294	SLD 11	-7294	-7687	-35398	-18959	-18959	1	Si
93	0.237	15.21	0	3748	SLD 5	3748	7687	35398	18959	18959	1	Si
93	0.237	11.52	0	-7476	SLD 11	-7476	-7007	-35398	-18959	-18959	1	Si
102	0.237	15.21	0	3566	SLD 5	3566	7687	35398	18959	18959	1	Si
102	0.237	12.35	0	-7657	SLD 11	-7657	-7172	-35398	-18959	-18959	1	Si
106	0.237	15.21	0	3476	SLD 5	3476	7687	35398	18959	18959	1	Si
106	0.237	12.77	0	-7748	SLD 11	-7748	-7252	-35398	-18959	-18959	1	Si
110	0.237	15.21	0	3393	SLD 5	3393	7687	35398	18959	18959	1	Si
110	0.237	13.18	0	-7830	SLD 11	-7830	-7330	-35398	-18959	-18959	1	Si
115	0	15.21	0	3294	SLD 5	3294	7687	35398	0	7687	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
115	0	13.6	0	-7930	SLD 11	-7930	-7406	-35398	0	-7406	1	Si
124	0	15.21	0	3112	SLD 5	3112	7687	35398	0	7687	1	Si
124	0	14.43	0	-8111	SLD 11	-8111	-7555	-35398	0	-7555	1	Si
132	0	15.21	0	2931	SLD 5	2931	7687	35398	0	7687	1	Si
132	0	15.21	0	-8293	SLD 11	-8293	-7687	-35398	0	-7687	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	121672	3	121672	9.1	124.5	206.2	1837	118098	2	118098	8.8	93.4	0	+∞	Si
9	121748	3	121748	9.1	124.5	206.3	1837	117624	2	117624	8.8	93.4	0	+∞	Si
18	120138	3	120138	9	124.5	203.6	1837	115597	2	115597	8.6	93.4	0	+∞	Si
25	117425	3	117425	8.8	124.5	199	1837	112652	2	112652	8.4	93.4	0	+∞	Si
35	111679	3	117425	8.8	124.5	199	1837	106733	2	112652	8.4	93.4	0	+∞	Si
40	108473	3	117425	8.2	124.5	198.1	1837	103514	2	112652	7.9	93.4	0	+∞	Si
49	100756	2	115718	8	124.5	195	1837	95873	2	110865	7.6	93.4	0	+∞	Si
57	91297	2	110218	7.5	124.5	185.5	1837	86628	2	105265	7.1	93.4	0	+∞	Si
66	80092	2	102974	6.9	124.5	173.2	1837	75779	2	98061	6.5	93.4	0	+∞	Si
75	67141	2	93989	6.2	124.5	157.9	1837	63326	2	89253	5.9	93.4	0	+∞	Si
84	52444	2	83259	5.4	124.5	139.8	1837	49269	2	78840	5.1	93.4	0	+∞	Si
93	36001	2	70783	4.6	124.5	118.8	1837	33608	2	66824	4.3	93.4	0	+∞	Si
102	17813	2	56561	3.6	124.5	94.9	1837	16342	2	53203	3.4	93.4	0	+∞	Si
106	8064	2	48796	3.1	124.5	81.9	1837	7108	2	45791	2.9	93.4	0	+∞	Si
110	-2801	8	-2801	0.2	124.5	4.7	1837	-2307	1	-2307	0.1	93.4	0	+∞	Si
115	-13194	9	-11788	0.8	124.5	19.8	1837	-12564	2	-11190	0.7	93.4	0	+∞	Si
124	-35361	3	-23593	1.5	124.5	39.6	1837	-33840	2	-22730	1.5	93.4	0	+∞	Si
132	-59667	3	-27618	1.8	124.5	46.4	1837	-56720	2	-26576	1.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
9	0.001	0	0	0	0.001	0	0	0	0	0	0.001	2	0.001	2	9999	Si
18	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
25	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
35	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
40	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
49	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
53	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
57	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
66	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
75	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.002	2	9999	Si
84	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
93	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
102	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
106	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2	0.001	2	9999	Si
110	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
115	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
124	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
25	-471	-15979	-18959	SLV 11	0.42	1019	1.158	112652	-792839	-644450	SLV 5	0.35	636	0.955	No
35	-683	-15979	-18959	SLV 11	0.41	988	1.144	112652	-792839	-644450	SLV 5	0.35	636	0.955	No
40	-774	-15979	-18959	SLV 11	0.41	975	1.138	112652	-792839	-886383	SLV 5	0.45	1277	1.271	Si
49	-956	-15979	-18959	SLV 11	0.41	952	1.126	110865	-748603	-951754	SLV 5	0.51	1754	1.447	Si
57	-1137	-15979	-18959	SLV 11	0.4	928	1.115	105265	-637991	-1017096	SLV 5	0.57	2474	1.666	Si
66	-1319	-15979	-18959	SLV 11	0.4	906	1.104	98061	530005	1241298	SLV 7	0.57	2474	1.666	Si
75	-1501	-15979	-18959	SLV 11	0.4	883	1.092	89253	429504	1241230	SLV 7	0.57	2474	1.666	Si
84	-1682	-15979	-18959	SLV 11	0.39	861	1.081	78840	335965	1241209	SLV 7	0.57	2474	1.666	Si
93	-1864	-15979	-18959	SLV 11	0.39	839	1.07	-1619	-312124	-1241198	SLV 15	0.57	2474	1.666	Si
102	-2045	-15979	-18959	SLV 11	0.38	817	1.058	-1619	-312124	-1241198	SLV 15	0.57	2474	1.666	Si
106	-2136	-15979	-18959	SLV 11	0.38	807	1.053	-1619	-312124	-1241198	SLV 15	0.57	2474	1.666	Si
110	-2218	-15979	-18959	SLV 11	0.38	797	1.047	-1619	-312124	-1241198	SLV 15	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
25	-471	-5612	-18959	SLD 11	0.44	1176	3.091	112652	-350843	-644450	SLD 5	0.29	421	2.029	Si
35	-683	-5612	-18959	SLD 11	0.44	1142	3.054	112652	-350843	-644450	SLD 5	0.29	421	2.029	Si
40	-774	-5612	-18959	SLD 11	0.43	1127	3.037	112652	-350843	-886383	SLD 5	0.38	810	2.653	Si
49	-956	-5612	-18959	SLD 11	0.43	1096	3.003	110865	-331269	-951754	SLD 5	0.43	1096	3.003	Si
57	-1137	-5612	-18959	SLD 11	0.43	1067	2.97	105265	-282322	-1017096	SLD 5	0.53	1940	3.795	Si
66	-1319	-5612	-18959	SLD 11	0.42	1037	2.936	98061	234539	1241298	SLD 7	0.6	2474	4.193	Si
75	-1501	-5612	-18959	SLD 11	0.42	1008	2.902	89253	190067	1241230	SLD 7	0.6	2474	4.193	Si
84	-1682	-5612	-18959	SLD 11	0.41	980	2.868	78840	148669	1241209	SLD 7	0.6	2474	4.193	Si
93	-1864	-5612	-18959	SLD 11	0.41	955	2.838	-1619	-138054	-1241198	SLD 15	0.6	2474	4.193	Si
102	-2045	-5612	-18959	SLD 11	0.4	930	2.807	-1619	-138054	-1241198	SLD 15	0.6	2474	4.193	Si
106	-2136	-5612	-18959	SLD 11	0.4	918	2.792	-1619	-138054	-1241198	SLD 15	0.6	2474	4.193	Si
110	-2218	-5612	-18959	SLD 11	0.4	907	2.779	-1619	-138054	-1241198	SLD 15	0.6	2474	4.193	Si

Campata 2 tra i fili 25D - 29A, sezione R 30x50, asta 815

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	451154	SLU 29	434887	1241198	0.137						Si
12	15.21	5.4	15.21	5.4	430840	SLU 29	427511	1241198	0.137						Si
23	15.21	5.4	15.21	5.4	410989	SLU 29	410989	1241198	0.137						Si
37	15.21	5.4	15.21	5.4	375812	SLU 29	410989	1241198	0.137						Si
50	15.21	5.4	15.21	5.4	341098	SLU 29	394401	1241198	0.137						Si
56	15.21	5.4	15.21	5.4	321941	SLU 29	379097	1241198	0.137						Si
69	15.21	5.4	15.21	5.4	280027	SLU 29	344891	1241198	0.137						Si
81	15.21	5.4	15.21	5.4	233314	SLU 29	305884	1241198	0.137						Si
94	15.21	5.4	15.21	5.4	181800	SLU 29	262077	1241198	0.137						Si
106	15.21	5.4	15.21	5.4	125487	SLU 29	213470	1241198	0.137						Si
119	15.21	5.4	15.21	5.4	64374	SLU 29	160064	1241198	0.137	35001	SLU 8	-43890	-1241198	0.137	Si
131	15.21	5.4	15.21	5.4	270	SLU 12	101857	1241198	0.137	-6556	SLU 24	-117510	-1241198	0.137	Si
144	15.21	5.4	15.21	5.4	-46577	SLU 4	38862	1241198	0.137	-72252	SLU 29	-195930	-1241198	0.137	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
150	15.21	5.4	15.21	5.4	-68715	SLU 4	6211	1241198	0.137	-109409	SLU 29	-219927	-1241198	0.137	Si
162	15.21	5.4	15.21	5.4						-187322	SLU 29	-219927	-1241198	0.137	Si
167	15.21	5.4	15.21	5.4						-219927	SLU 29	-219927	-1241198	0.137	Si
175	15.21	5.4	15.21	5.4						-270035	SLU 29	-260016	-1241198	0.137	Si
187	15.21	5.4	15.21	5.4						-357548	SLU 29	-285713	-1241198	0.137	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	2295511	SLV 11	2068318	1241198	0.137	-1663882	SLV 5	-1461136	-1241198	0.137	No
12	15.21	5.4	15.21	5.4	2041400	SLV 11	1996530	1241198	0.137	-1439933	SLV 5	-1400047	-1241198	0.137	No
23	15.21	5.4	15.21	5.4	1835726	SLV 11	1835726	1241198	0.137	-1263207	SLV 5	-1263207	-1241198	0.137	No
37	15.21	5.4	15.21	5.4	1523650	SLV 11	1835726	1241198	0.137	-1001780	SLV 5	-1263207	-1241198	0.137	No
50	15.21	5.4	15.21	5.4	1260040	SLV 11	1681696	1241198	0.137	-787607	SLV 5	-1133145	-1241198	0.137	No
56	15.21	5.4	15.21	5.4	1127063	SLV 11	1551238	1241198	0.137	-681756	SLV 5	-1024657	-1241198	0.137	No
69	15.21	5.4	15.21	5.4	858792	SLV 11	1287960	1241198	0.137	-472559	SLV 5	-810137	-1241198	0.137	No
81	15.21	5.4	15.21	5.4	587505	SLV 11	1021560	1241198	0.137	-266769	SLV 5	-598918	-1241198	0.137	Si
94	15.21	5.4	15.21	5.4	313450	SLV 11	752088	1241198	0.137	-64636	SLV 5	-391053	-1241198	0.137	Si
106	15.21	5.4	15.21	5.4	207074	SLV 13	482913	1241198	0.137	-36606	SLV 3	-451810	-1241198	0.137	Si
119	15.21	5.4	15.21	5.4	374056	SLV 9	663164	1241198	0.137	-288359	SLV 7	-727148	-1241198	0.137	Si
131	15.21	5.4	15.21	5.4	553832	SLV 9	844793	1241198	0.137	-559330	SLV 7	-1010288	-1241198	0.137	Si
144	15.21	5.4	15.21	5.4	734637	SLV 9	1026515	1241198	0.137	-837756	SLV 7	-1299946	-1241198	0.137	No
150	15.21	5.4	15.21	5.4	825571	SLV 9	1079770	1241198	0.137	-979909	SLV 7	-1386196	-1241198	0.137	No
162	15.21	5.4	15.21	5.4	1007413	SLV 9	1079770	1241198	0.137	-1269008	SLV 7	-1386196	-1241198	0.137	No
167	15.21	5.4	15.21	5.4	1079770	SLV 9	1079770	1241198	0.137	-1386196	SLV 7	-1386196	-1241198	0.137	No
175	15.21	5.4	15.21	5.4	1187787	SLV 9	1159763	1241198	0.137	-1563064	SLV 7	-1521295	-1241198	0.137	No
187	15.21	5.4	15.21	5.4	1365759	SLV 5	1211040	1241198	0.137	-1861143	SLV 11	-1607897	-1241198	0.137	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	1191897	SLD 11	1084542	1241198	0.137	-560268	SLD 5	-477360	-1241198	0.137	Si
12	15.21	5.4	15.21	5.4	1071037	SLD 11	1049792	1241198	0.137	-469570	SLD 5	-453309	-1241198	0.137	Si
23	15.21	5.4	15.21	5.4	971951	SLD 11	971951	1241198	0.137	-399432	SLD 5	-399432	-1241198	0.137	Si
37	15.21	5.4	15.21	5.4	819730	SLD 11	971951	1241198	0.137	-297860	SLD 5	-399432	-1241198	0.137	Si
50	15.21	5.4	15.21	5.4	689295	SLD 11	897107	1241198	0.137	-216861	SLD 5	-348557	-1241198	0.137	Si
56	15.21	5.4	15.21	5.4	622887	SLD 11	833252	1241198	0.137	-177580	SLD 5	-306671	-1241198	0.137	Si
69	15.21	5.4	15.21	5.4	487703	SLD 11	703153	1241198	0.137	-101469	SLD 5	-225329	-1241198	0.137	Si
81	15.21	5.4	15.21	5.4	349393	SLD 11	569881	1241198	0.137	-28656	SLD 5	-147239	-1241198	0.137	Si
94	15.21	5.4	15.21	5.4	208066	SLD 11	433459	1241198	0.137	40749	SLD 5	-72424	-1241198	0.137	Si
106	15.21	5.4	15.21	5.4	139150	SLD 13	293938	1241198	0.137	31319	SLD 3	-191265	-1241198	0.137	Si
119	15.21	5.4	15.21	5.4	189412	SLD 9	275631	1241198	0.137	-103715	SLD 7	-339615	-1241198	0.137	Si
131	15.21	5.4	15.21	5.4	243550	SLD 9	327713	1241198	0.137	-249049	SLD 7	-493208	-1241198	0.137	Si
144	15.21	5.4	15.21	5.4	296352	SLD 9	378045	1241198	0.137	-399471	SLD 7	-651476	-1241198	0.137	Si
150	15.21	5.4	15.21	5.4	322317	SLD 9	392415	1241198	0.137	-476655	SLD 7	-698841	-1241198	0.137	Si
162	15.21	5.4	15.21	5.4	372891	SLD 9	392415	1241198	0.137	-634486	SLD 7	-698841	-1241198	0.137	Si
167	15.21	5.4	15.21	5.4	392415	SLD 9	392415	1241198	0.137	-698841	SLD 7	-698841	-1241198	0.137	Si
175	15.21	5.4	15.21	5.4	421025	SLD 9	412455	1241198	0.137	-796302	SLD 7	-773987	-1241198	0.137	Si
187	15.21	5.4	15.21	5.4	466305	SLD 5	425300	1241198	0.137	-961689	SLD 11	-822157	-1241198	0.137	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	-1433	SLU 29	-1433	-7687	-35398	0	-7687	1	Si
12	0	15.21	0	-1817	SLU 29	-1817	-7687	-35398	0	-7687	1	Si
23	0.374	15.21	0	-2124	SLU 29	-2124	-7687	-35398	-30008	-30008	1	Si
37	0.374	15.21	0	-2585	SLU 29	-2585	-7687	-35398	-30008	-30008	1	Si
50	0.374	15.21	0	-2969	SLU 29	-2969	-7687	-35398	-30008	-30008	1	Si
56	0.374	15.21	0	-3161	SLU 29	-3161	-7687	-35398	-30008	-30008	1	Si
69	0.374	15.21	0	-3545	SLU 29	-3545	-7687	-35398	-30008	-30008	1	Si
81	0.374	15.21	0	-3929	SLU 29	-3929	-7687	-35398	-30008	-30008	1	Si
94	0.374	15.21	0	-4313	SLU 29	-4313	-7687	-35398	-30008	-30008	1	Si
106	0.374	15.21	0	-4697	SLU 29	-4697	-7687	-35398	-30008	-30008	1	Si
119	0.374	15.21	0	-5081	SLU 29	-5081	-7687	-35398	-30008	-30008	1	Si
131	0.374	15.21	0	-5465	SLU 29	-5465	-7687	-35398	-30008	-30008	1	Si
144	0.374	15.21	0	-5849	SLU 29	-5849	-7687	-35398	-30008	-30008	1	Si
150	0.374	15.21	0	-6041	SLU 29	-6041	-7687	-35398	-30008	-30008	1	Si
162	0.374	15.21	0	-6425	SLU 29	-6425	-7687	-35398	-30008	-30008	1	Si
167	0.374	15.21	0	-6579	SLU 29	-6579	-7687	-35398	-30008	-30008	1	Si
175	0	15.21	0	-6809	SLU 29	-6809	-7687	-35398	0	-7687	1	Si
187	0	15.21	0	-7193	SLU 29	-7193	-7687	-35398	0	-7687	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	18056	SLV 5	23031	7687	35398	0	7687	1	Si
0	0	15.21	0	-20212	SLV 11	-25187	-7687	-35398	0	-7687	1	Si
12	0	15.21	0	17799	SLV 5	22774	7687	35398	0	7687	1	Si
12	0	15.21	0	-20469	SLV 11	-25444	-7687	-35398	0	-7687	1	Si
23	0.374	15.21	0	17594	SLV 5	22569	7687	35398	30008	30008	1	Si
23	0.374	15.21	0	-20675	SLV 11	-25650	-7687	-35398	-30008	-30008	1	Si
37	0.374	15.21	0	17285	SLV 5	22260	7687	35398	30008	30008	1	Si
37	0.374	15.21	0	-20983	SLV 11	-25958	-7687	-35398	-30008	-30008	1	Si
50	0.374	15.21	0	17028	SLV 5	22003	7687	35398	30008	30008	1	Si
50	0.374	15.21	0	-21240	SLV 11	-26215	-7687	-35398	-30008	-30008	1	Si
56	0.374	15.21	0	16900	SLV 5	21875	7687	35398	30008	30008	1	Si
56	0.374	15.21	0	-21369	SLV 11	-26344	-7687	-35398	-30008	-30008	1	Si
69	0.374	15.21	0	16643	SLV 5	21618	7687	35398	30008	30008	1	Si
69	0.374	15.21	0	-21626	SLV 11	-26601	-7687	-35398	-30008	-30008	1	Si
81	0.374	15.21	0	16386	SLV 5	21361	7687	35398	30008	30008	1	Si
81	0.374	15.21	0	-21883	SLV 11	-26858	-7687	-35398	-30008	-30008	1	Si
94	0.374	15.21	0	16129	SLV 5	21104	7687	35398	30008	30008	1	Si
94	0.374	15.21	0	-22140	SLV 11	-27115	-7687	-35398	-30008	-30008	1	Si
106	0.374	15.21	0	15872	SLV 5	20847	7687	35398	30008	30008	1	Si
106	0.374	15.21	0	-22397	SLV 11	-27372	-7687	-35398	-30008	-30008	1	Si
119	0.374	15.21	0	15615	SLV 5	20590	7687	35398	30008	30008	1	Si
119	0.374	15.21	0	-22654	SLV 11	-27629	-7687	-35398	-30008	-30008	1	Si
131	0.374	15.21	0	15358	SLV 5	20333	7687	35398	30008	30008	1	Si
131	0.374	15.21	0	-22911	SLV 11	-27885	-7687	-35398	-30008	-30008	1	Si
144	0.374	15.21	0	15101	SLV 5	20076	7687	35398	30008	30008	1	Si
144	0.374	15.21	0	-23168	SLV 11	-28142	-7687	-35398	-30008	-30008	1	Si
150	0.374	15.21	0	14972	SLV 5	19947	7687	35398	30008	30008	1	Si
150	0.374	15.21	0	-23296	SLV 11	-28271	-7687	-35398	-30008	-30008	1	Si
162	0.374	15.21	0	14715	SLV 5	19690	7687	35398	30008	30008	1	Si
162	0.374	15.21	0	-23553	SLV 11	-28528	-7687	-35398	-30008	-30008	1	Si
167	0.374	15.21	0	14613	SLV 5	19588	7687	35398	30008	30008	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
167	0.374	15.21	0	-23656	SLV 11	-28631	-7687	-35398	-30008	-30008	1	Si
175	0	15.21	0	14458	SLV 5	19433	7687	35398	0	7687	1	Si
175	0	15.21	0	-23810	SLV 11	-28785	-7687	-35398	0	-7687	1	Si
187	0	15.21	0	14202	SLV 5	19176	7687	35398	0	7687	1	Si
187	0	15.21	0	-24067	SLV 11	-29042	-7687	-35398	0	-7687	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	7390	SLD 5	7390	7687	35398	0	7687	1	Si
0	0	15.21	0	-9545	SLD 11	-9545	-7687	-35398	0	-7687	1	Si
12	0	15.21	0	7133	SLD 5	7133	7687	35398	0	7687	1	Si
12	0	15.21	0	-9802	SLD 11	-9802	-7687	-35398	0	-7687	1	Si
23	0.374	15.21	0	6927	SLD 5	6927	7687	35398	30008	30008	1	Si
23	0.374	15.21	0	-10008	SLD 11	-10008	-7687	-35398	-30008	-30008	1	Si
37	0.374	15.21	0	6619	SLD 5	6619	7687	35398	30008	30008	1	Si
37	0.374	15.21	0	-10316	SLD 11	-10316	-7687	-35398	-30008	-30008	1	Si
50	0.374	15.21	0	6362	SLD 5	6362	7687	35398	30008	30008	1	Si
50	0.374	15.21	0	-10573	SLD 11	-10573	-7687	-35398	-30008	-30008	1	Si
56	0.374	15.21	0	6233	SLD 5	6233	7687	35398	30008	30008	1	Si
56	0.374	15.21	0	-10702	SLD 11	-10702	-7687	-35398	-30008	-30008	1	Si
69	0.374	15.21	0	5976	SLD 5	5976	7687	35398	30008	30008	1	Si
69	0.374	15.21	0	-10959	SLD 11	-10959	-7687	-35398	-30008	-30008	1	Si
81	0.374	15.21	0	5719	SLD 5	5719	7687	35398	30008	30008	1	Si
81	0.374	15.21	0	-11216	SLD 11	-11216	-7687	-35398	-30008	-30008	1	Si
94	0.374	15.21	0	5462	SLD 5	5462	7687	35398	30008	30008	1	Si
94	0.374	15.21	0	-11473	SLD 11	-11473	-7687	-35398	-30008	-30008	1	Si
106	0.374	15.21	0	5205	SLD 5	5205	7687	35398	30008	30008	1	Si
106	0.374	15.21	0	-11730	SLD 11	-11730	-7687	-35398	-30008	-30008	1	Si
119	0.374	15.21	0	4948	SLD 5	4948	7687	35398	30008	30008	1	Si
119	0.374	15.21	0	-11987	SLD 11	-11987	-7687	-35398	-30008	-30008	1	Si
131	0.374	15.21	0	4691	SLD 5	4691	7687	35398	30008	30008	1	Si
131	0.374	15.21	0	-12244	SLD 11	-12244	-7687	-35398	-30008	-30008	1	Si
144	0.374	15.21	0	4434	SLD 5	4434	7687	35398	30008	30008	1	Si
144	0.374	15.21	0	-12501	SLD 11	-12501	-7687	-35398	-30008	-30008	1	Si
150	0.374	15.21	0	4306	SLD 5	4306	7687	35398	30008	30008	1	Si
150	0.374	15.21	0	-12629	SLD 11	-12629	-7687	-35398	-30008	-30008	1	Si
162	0.374	15.21	0	4049	SLD 5	4049	7687	35398	30008	30008	1	Si
162	0.374	15.21	0	-12886	SLD 11	-12886	-7687	-35398	-30008	-30008	1	Si
167	0.374	15.21	0	3946	SLD 5	3946	7687	35398	30008	30008	1	Si
167	0.374	15.21	0	-12989	SLD 11	-12989	-7687	-35398	-30008	-30008	1	Si
175	0	15.21	0	3792	SLD 5	3792	7687	35398	0	7687	1	Si
175	0	15.21	0	-13143	SLD 11	-13143	-7687	-35398	0	-7687	1	Si
187	0	15.21	0	3535	SLD 5	3535	7687	35398	0	7687	1	Si
187	0	15.21	0	-13400	SLD 11	-13400	-7687	-35398	0	-7687	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	334476	2	322066	20.7	124.5	540.6	1837	315814	2	303591	19.5	93.4	0	+∞	Si
12	319056	2	316521	20.4	124.5	531.3	1837	300734	2	298242	19.2	93.4	0	+∞	Si
23	304098	2	304098	19.6	124.5	510.4	1837	286260	2	286260	18.4	93.4	0	+∞	Si
37	277729	2	304098	19.6	124.5	510.4	1837	260935	2	286260	18.4	93.4	0	+∞	Si
50	251822	2	291646	18.8	124.5	489.5	1837	236217	2	274275	17.6	93.4	0	+∞	Si
56	237557	2	280188	18	124.5	470.3	1837	222653	2	263290	16.9	93.4	0	+∞	Si
69	206406	2	254650	16.4	124.5	427.4	1837	193117	2	238912	15.4	93.4	0	+∞	Si
81	171759	2	225616	14.5	124.5	378.7	1837	160368	2	211321	13.6	93.4	0	+∞	Si
94	133616	2	193086	12.4	124.5	324.1	1837	124407	2	180518	11.6	93.4	0	+∞	Si
106	91977	2	157060	10.1	124.5	263.6	1837	85234	2	146502	9.4	93.4	0	+∞	Si
119	46842	2	117538	7.6	124.5	197.3	1837	42849	2	109274	7	93.4	0	+∞	Si
131	-4421	6	-87255	5.6	124.5	146.5	1837	-4190	1	-82747	5.3	93.4	0	+∞	Si
144	-53915	2	-144995	9.3	124.5	243.4	1837	-51559	2	-136715	8.8	93.4	0	+∞	Si
150	-81289	2	-162657	10.5	124.5	273	1837	-77169	2	-153213	9.9	93.4	0	+∞	Si
162	-138660	2	-162657	10.5	124.5	273	1837	-130798	2	-153213	9.9	93.4	0	+∞	Si
167	-162657	2	-162657	10.5	124.5	273	1837	-153213	2	-153213	9.9	93.4	0	+∞	Si
175	-199526	2	-192159	12.4	124.5	322.5	1837	-187639	2	-180766	11.6	93.4	0	+∞	Si
187	-263888	2	-211070	13.6	124.5	354.3	1837	-247692	2	-198429	12.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.003	2	9999	Si
23	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.003	0.004	0.003	0.006	2	0.005	2	9999	Si
37	0.006	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.008	2	0.007	2	9999	Si
50	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.01	2	0.009	2	9999	Si
56	0.007	0.006	0.005	0.004	0.006	0.006	0.005	0.004	0.006	0.006	0.01	2	0.009	2	9999	Si
69	0.007	0.006	0.005	0.004	0.006	0.006	0.005	0.004	0.006	0.006	0.01	2	0.009	2	9999	Si
81	0.007	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.01	2	0.009	2	9999	Si
94	0.006	0.005	0.004	0.004	0.006	0.005	0.004	0.004	0.006	0.005	0.009	2	0.008	2	9999	Si
106	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.008	2	0.007	2	9999	Si
119	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.006	2	0.006	2	9999	Si
131	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.004	2	9999	Si
144	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
150	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.002	2	0.002	2	9999	Si
162	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
167	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si
175	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-1541	-24109	-30008	SLV 11	0.43	1075	1.184	286260	1549467	1241198	SLV 11	0.23	238	0.638	No
37	-1849	-24109	-30008	SLV 11	0.42	1045	1.17	286260	1549467	1241198	SLV 11	0.23	238	0.638	No
50	-2106	-24109	-30008	SLV 11	0.42	1020	1.159	274275	1407420	1241198	SLV 11	0.25	302	0.704	No
56	-2234	-24109	-30008	SLV 11	0.42	1007	1.153	263290	1287947	1241198	SLV 11	0.28	375	0.769	No
69	-2491	-24109	-30008	SLV 11	0.41	983	1.141	238912	1049048	1241198	SLV 11	0.35	637	0.955	No
81	-2748	-24109	-30008	SLV 11	0.41	960	1.13	211321	810239	1241198	SLV 11	0.46	1307	1.283	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
94	-3005	-24109	-30008	SLV 11	0.41	938	1.12	180518	571570	1241198	SLV 11	0.57	2474	1.666	Si
106	-3262	-24109	-30008	SLV 11	0.4	916	1.109	15551	467361	1241198	SLV 9	0.57	2474	1.666	Si
119	-3519	-24109	-30008	SLV 11	0.4	895	1.098	-31992	-695156	-1241198	SLV 7	0.57	2474	1.666	Si
131	-3776	-24109	-30008	SLV 11	0.39	874	1.088	-82747	-927540	-1241198	SLV 7	0.45	1248	1.259	Si
144	-4033	-24109	-30008	SLV 11	0.39	853	1.077	-136715	-1163231	-1241198	SLV 7	0.35	628	0.95	No
150	-4162	-24109	-30008	SLV 11	0.39	843	1.072	-153213	-1232983	-1241198	SLV 7	0.32	526	0.883	No
162	-4419	-24109	-30008	SLV 11	0.39	823	1.061	-153213	-1232983	-1241198	SLV 7	0.32	526	0.883	No
167	-4522	-24109	-30008	SLV 11	0.38	815	1.057	-153213	-1232983	-1241198	SLV 7	0.32	526	0.883	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-1541	-8468	-30008	SLD 11	0.45	1241	3.16	286260	685692	1241198	SLD 11	0.19	163	1.375	Si
37	-1849	-8468	-30008	SLD 11	0.44	1206	3.123	286260	685692	1241198	SLD 11	0.19	163	1.375	Si
50	-2106	-8468	-30008	SLD 11	0.44	1177	3.092	274275	622832	1241198	SLD 11	0.22	204	1.507	Si
56	-2234	-8468	-30008	SLD 11	0.44	1162	3.076	263290	569961	1241198	SLD 11	0.24	255	1.652	Si
69	-2491	-8468	-30008	SLD 11	0.44	1135	3.046	238912	464241	1241198	SLD 11	0.29	421	2.029	Si
81	-2748	-8468	-30008	SLD 11	0.43	1106	3.014	211321	358560	1241198	SLD 11	0.39	827	2.675	Si
94	-3005	-8468	-30008	SLD 11	0.43	1078	2.983	180518	252941	1241198	SLD 11	0.55	2238	4.024	Si
106	-3262	-8468	-30008	SLD 11	0.42	1050	2.951	15551	206817	1241198	SLD 9	0.6	2474	4.193	Si
119	-3519	-8468	-30008	SLD 11	0.42	1023	2.919	-31992	-307623	-1241198	SLD 7	0.52	1882	3.748	Si
131	-3776	-8468	-30008	SLD 11	0.42	997	2.889	-82747	-410460	-1241198	SLD 7	0.38	792	2.628	Si
144	-4033	-8468	-30008	SLD 11	0.41	971	2.857	-136715	-514761	-1241198	SLD 7	0.29	415	2.017	Si
150	-4162	-8468	-30008	SLD 11	0.41	959	2.843	-153213	-545628	-1241198	SLD 7	0.27	354	1.889	Si
162	-4419	-8468	-30008	SLD 11	0.41	937	2.816	-153213	-545628	-1241198	SLD 7	0.27	354	1.889	Si
167	-4522	-8468	-30008	SLD 11	0.4	927	2.804	-153213	-545628	-1241198	SLD 7	0.27	354	1.889	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" (2221; 3356)-(2734; 3356)

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x60	Rettangolare	30	60	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - ?, sezione R 30x60, asta 996

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	6477	SLU 26	6477	796256	0.099						Si
11	7.6	5.4	7.6	5.4						-19311	SLU 35	-19311	-796256	0.099	Si
22	7.6	5.4	7.6	5.4						-50128	SLU 35	-50128	-796256	0.099	Si
23	7.6	5.4	7.6	5.4						-50644	SLU 35	-136550	-796256	0.099	Si
33	7.6	5.4	7.6	5.4						-85999	SLU 35	-182876	-796256	0.099	Si
45	7.6	5.4	7.6	5.4						-126925	SLU 35	-234925	-796256	0.099	Si
50	7.6	5.4	7.6	5.4						-149284	SLU 35	-262845	-796256	0.099	Si
61	7.6	5.4	7.6	5.4						-197793	SLU 35	-322476	-796256	0.099	Si
73	7.6	5.4	7.6	5.4						-251357	SLU 35	-387162	-796256	0.099	Si
84	7.6	5.4	7.6	5.4						-309975	SLU 35	-456902	-796256	0.099	Si
95	7.6	5.4	7.6	5.4						-373649	SLU 35	-531698	-796256	0.099	Si
106	7.6	5.4	7.6	5.4						-442377	SLU 35	-611547	-796256	0.099	Si
117	7.6	5.4	7.6	5.4						-516160	SLU 35	-696452	-796256	0.099	Si
123	7.6	5.4	7.6	5.4						-554947	SLU 35	-744429	-796256	0.099	Si
134	7.6	5.4	7.6	5.4						-636311	SLU 35	-790755	-796256	0.099	Si
145	7.6	5.4	7.6	5.4						-724324	SLU 36	-790755	-796256	0.099	Si
152	7.6	5.4	7.6	5.4						-790755	SLU 36	-790755	-796256	0.099	Si
156	7.6	5.4	7.6	5.4						-826337	SLU 36	-821608	-796256	0.099	No
167	7.6	5.4	7.6	5.4						-934905	SLU 36	-859962	-796256	0.099	No

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	20383	SLV 15	20383	796256	0.099	-12678	SLV 1	-12678	-796256	0.099	Si
11	7.6	5.4	7.6	5.4	31407	SLV 1	31407	796256	0.099	-48622	SLV 15	-48622	-796256	0.099	Si
22	7.6	5.4	7.6	5.4	70679	SLV 1	70664	796256	0.099	-122126	SLV 15	-122126	-796256	0.099	Si
23	7.6	5.4	7.6	5.4	71213	SLV 1	140973	796256	0.099	-123275	SLV 15	-301698	-796256	0.099	Si
33	7.6	5.4	7.6	5.4	105303	SLV 1	164961	796256	0.099	-200294	SLV 15	-388825	-796256	0.099	Si
45	7.6	5.4	7.6	5.4	135274	SLV 1	184689	796256	0.099	-283120	SLV 15	-481896	-796256	0.099	Si
50	7.6	5.4	7.6	5.4	148514	SLV 1	192807	796256	0.099	-326280	SLV 15	-530178	-796256	0.099	Si
61	7.6	5.4	7.6	5.4	171502	SLV 1	205552	796256	0.099	-416090	SLV 15	-630233	-796256	0.099	Si
73	7.6	5.4	7.6	5.4	189835	SLV 1	213642	796256	0.099	-510557	SLV 15	-734944	-796256	0.099	Si
84	7.6	5.4	7.6	5.4	203512	SLV 1	217075	796256	0.099	-609680	SLV 15	-844310	-796256	0.099	No
95	7.6	5.4	7.6	5.4	212534	SLV 1	217338	796256	0.099	-713458	SLV 15	-958331	-796256	0.099	No
106	7.6	5.4	7.6	5.4	216900	SLV 1	217338	796256	0.099	-821891	SLV 15	-1077008	-796256	0.099	No
117	7.6	5.4	7.6	5.4	216611	SLV 1	217338	796256	0.099	-934980	SLV 15	-1200341	-796256	0.099	No
123	7.6	5.4	7.6	5.4	214721	SLV 1	217338	796256	0.099	-993271	SLV 15	-1263753	-796256	0.099	No
134	7.6	5.4	7.6	5.4	207449	SLV 1	217338	796256	0.099	-1113343	SLV 15	-1322639	-796256	0.099	No
145	7.6	5.4	7.6	5.4	195522	SLV 1	215478	796256	0.099	-1238070	SLV 15	-1322639	-796256	0.099	No
152	7.6	5.4	7.6	5.4	185031	SLV 1	211933	796256	0.099	-1322639	SLV 15	-1322639	-796256	0.099	No
156	7.6	5.4	7.6	5.4	178939	SLV 1	178939	796256	0.099	-1367453	SLV 15	-1361597	-796256	0.099	No

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
167	7.6	5.4	7.6	5.4	157701	SLV 1	157701	796256	0.099	-1501491	SLV 15	-1410028	-796256	0.099	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	11168	SLD 15	11168	796256	0.099	-3462	SLD 1	-3462	-796256	0.099	Si
11	7.6	5.4	7.6	5.4	9101	SLD 1	9101	796256	0.099	-26315	SLD 15	-26315	-796256	0.099	Si
22	7.6	5.4	7.6	5.4	16938	SLD 1	16922	796256	0.099	-68385	SLD 15	-68385	-796256	0.099	Si
23	7.6	5.4	7.6	5.4	17003	SLD 1	20124	796256	0.099	-69065	SLD 15	-178312	-796256	0.099	Si
33	7.6	5.4	7.6	5.4	20124	SLD 1	20124	796256	0.099	-115115	SLD 15	-234468	-796256	0.099	Si
45	7.6	5.4	7.6	5.4	18655	SLD 1	20124	796256	0.099	-166501	SLD 15	-296098	-796256	0.099	Si
50	7.6	5.4	7.6	5.4	16174	SLD 1	20124	796256	0.099	-193940	SLD 15	-328659	-796256	0.099	Si
61	7.6	5.4	7.6	5.4	7722	SLD 1	20032	796256	0.099	-252310	SLD 15	-397273	-796256	0.099	Si
73	7.6	5.4	7.6	5.4	-5386	SLD 1	17168	796256	0.099	-315336	SLD 15	-470543	-796256	0.099	Si
84	7.6	5.4	7.6	5.4	-23150	SLD 1	9648	796256	0.099	-383018	SLD 15	-548468	-796256	0.099	Si
95	7.6	5.4	7.6	5.4						-455355	SLD 15	-631049	-796256	0.099	Si
106	7.6	5.4	7.6	5.4						-532347	SLD 15	-718285	-796256	0.099	Si
117	7.6	5.4	7.6	5.4						-613996	SLD 15	-810176	-796256	0.099	No
123	7.6	5.4	7.6	5.4						-656565	SLD 15	-857868	-796256	0.099	No
134	7.6	5.4	7.6	5.4						-745197	SLD 15	-902404	-796256	0.099	No
145	7.6	5.4	7.6	5.4						-838483	SLD 15	-902404	-796256	0.099	No
152	7.6	5.4	7.6	5.4						-902404	SLD 15	-902404	-796256	0.099	No
156	7.6	5.4	7.6	5.4						-936425	SLD 15	-931948	-796256	0.099	No
167	7.6	5.4	7.6	5.4						-1039022	SLD 15	-968676	-796256	0.099	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-2097	SLU 26	-2097	-6713	-43335	0	-6713	1	Si
11	0	7.6	0	-2533	SLU 35	-2533	-6713	-43335	0	-6713	1	Si
22	0	7.6	0	-2986	SLU 35	-2986	-6713	-43335	0	-6713	1	Si
23	0.139	7.6	0	-2993	SLU 35	-2993	-6713	-43335	-13658	-13658	1	Si
33	0.139	7.6	0	-3439	SLU 35	-3439	-6713	-43335	-13658	-13658	1	Si
45	0.139	7.6	0	-3891	SLU 35	-3891	-6713	-43335	-13658	-13658	1	Si
50	0.139	7.6	0	-4118	SLU 35	-4118	-6713	-43335	-13658	-13658	1	Si
61	0.139	7.6	0	-4570	SLU 35	-4570	-6713	-43335	-13658	-13658	1	Si
73	0.139	7.6	0	-5027	SLU 36	-5027	-6713	-43335	-13658	-13658	1	Si
84	0.139	7.6	0	-5614	SLU 36	-5614	-6713	-43335	-13658	-13658	1	Si
95	0.139	7.6	0	-6201	SLU 36	-6201	-6713	-43335	-13658	-13658	1	Si
106	0.139	7.6	0	-6788	SLU 36	-6788	-6713	-43335	-13658	-13658	1	Si
117	0.139	7.6	0	-7403	SLU 30	-7403	-6713	-43335	-13658	-13658	1	Si
123	0.139	7.6	0	-7726	SLU 30	-7726	-6713	-43335	-13658	-13658	1	Si
134	0.139	7.6	0	-8370	SLU 30	-8370	-6713	-43335	-13658	-13658	1	Si
145	0.139	7.6	0	-9015	SLU 30	-9015	-6713	-43335	-13658	-13658	1	Si
152	0.139	7.6	0	-9438	SLU 30	-9438	-6713	-43335	-13658	-13658	1	Si
156	0	7.6	0	-9659	SLU 30	-9659	-6713	-43335	0	-6713	1	Si
167	0	7.6	0	-10304	SLU 30	-10304	-6713	-43335	0	-6713	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4143	SLV 1	5456	6713	43335	0	6713	1	Si
0	0	7.6	0	-5958	SLV 15	-7272	-6713	-43335	0	-6713	1	Si
11	0	7.6	0	3726	SLV 1	5040	6713	43335	0	6713	1	Si
11	0	7.6	0	-6375	SLV 15	-7688	-6713	-43335	0	-6713	1	Si
22	0	7.6	0	3310	SLV 1	4623	6713	43335	0	6713	1	Si
22	0	7.6	0	-6792	SLV 15	-8105	-6713	-43335	0	-6713	1	Si
23	0.139	7.6	0	3303	SLV 1	4616	6713	43335	13658	13658	1	Si
23	0.139	7.6	0	-6798	SLV 15	-8111	-6713	-43335	-13658	-13658	1	Si
33	0.139	7.6	0	2893	SLV 1	4206	6713	43335	13658	13658	1	Si
33	0.139	7.6	0	-7209	SLV 15	-8522	-6713	-43335	-13658	-13658	1	Si
45	0.139	7.6	0	2476	SLV 1	3789	6713	43335	13658	13658	1	Si
45	0.139	7.6	0	-7626	SLV 15	-8939	-6713	-43335	-13658	-13658	1	Si
50	0.139	7.6	0	2267	SLV 1	3580	6713	43335	13658	13658	1	Si
50	0.139	7.6	0	-7834	SLV 15	-9148	-6713	-43335	-13658	-13658	1	Si
61	0.139	7.6	0	1850	SLV 1	3163	6713	43335	13658	13658	1	Si
61	0.139	7.6	0	-8251	SLV 15	-9564	-6713	-43335	-13658	-13658	1	Si
73	0.139	7.6	0	1433	SLV 1	2747	6713	43335	13658	13658	1	Si
73	0.139	7.6	0	-8668	SLV 15	-9981	-6713	-43335	-13658	-13658	1	Si
84	0.139	7.6	0	1016	SLV 1	2330	6713	43335	13658	13658	1	Si
84	0.139	7.6	0	-9085	SLV 15	-10398	-6713	-43335	-13658	-13658	1	Si
95	0.139	7.6	0	599	SLV 1	1913	6713	43335	13658	13658	1	Si
95	0.139	7.6	0	-9502	SLV 15	-10815	-6713	-43335	-13658	-13658	1	Si
106	0.139	7.6	0	183	SLV 1	1496	6713	43335	13658	13658	1	Si
106	0.139	7.6	0	-9919	SLV 15	-11232	-6713	-43335	-13658	-13658	1	Si
117	0.139	7.6	0	-234	SLV 1	1079	6713	43335	13658	13658	1	Si
117	0.139	7.6	0	-10336	SLV 15	-11649	-6713	-43335	-13658	-13658	1	Si
123	0.139	7.6	0	-443	SLV 1	870	6713	43335	13658	13658	1	Si
123	0.139	7.6	0	-10544	SLV 15	-11858	-6713	-43335	-13658	-13658	1	Si
134	0.139	7.6	0	-860	SLV 1	454	6713	43335	13658	13658	1	Si
134	0.139	7.6	0	-10961	SLV 15	-12274	-6713	-43335	-13658	-13658	1	Si
145	0.139	7.6	0	-1277	SLV 1	37	6713	43335	13658	13658	1	Si
145	0.139	7.6	0	-11378	SLV 15	-12691	-6713	-43335	-13658	-13658	1	Si
152	0.139	7.6	0	-11652	SLV 15	-12965	-6713	-43335	-13658	-13658	1	Si
156	0	7.6	0	-11795	SLV 15	-13108	-6713	-43335	0	-6713	1	Si
167	0	7.6	0	-12212	SLV 15	-13525	-6713	-43335	0	-6713	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1328	SLD 1	1328	6713	43335	0	6713	1	Si
0	0	7.6	0	-3143	SLD 15	-3143	-6713	-43335	0	-6713	1	Si
11	0	7.6	0	911	SLD 1	911	6713	43335	0	6713	1	Si
11	0	7.6	0	-3559	SLD 15	-3559	-6713	-43335	0	-6713	1	Si
22	0	7.6	0	494	SLD 1	494	6713	43335	0	6713	1	Si
22	0	7.6	0	-3976	SLD 15	-3976	-6713	-43335	0	-6713	1	Si
23	0.139	7.6	0	488	SLD 1	488	6713	43335	13658	13658	1	Si
23	0.139	7.6	0	-3983	SLD 15	-3983	-6713	-43335	-13658	-13658	1	Si
33	0.139	7.6	0	77	SLD 1	77	6713	43335	13658	13658	1	Si
33	0.139	7.6	0	-4393	SLD 15	-4393	-6713	-43335	-13658	-13658	1	Si
45	0.139	7.6	0	-4810	SLD 15	-4810	-6713	-43335	-13658	-13658	1	Si
50	0.139	7.6	0	-5019	SLD 15	-5019	-6713	-43335	-13658	-13658	1	Si
61	0.139	7.6	0	-5436	SLD 15	-5436	-6713	-43335	-13658	-13658	1	Si
73	0.139	7.6	0	-5853	SLD 15	-5853	-6713	-43335	-13658	-13658	1	Si
84	0.139	7.6	0	-6270	SLD 15	-6270	-6713	-43335	-13658	-13658	1	Si
95	0.139	7.6	0	-6686	SLD 15	-6686	-6713	-43335	-13658	-13658	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
106	0.139	7.6	0	-7103	SLD 15	-7103	-6713	-43335	-13658	-13658	1	Si
117	0.139	7.6	0	-7520	SLD 15	-7520	-6713	-43335	-13658	-13658	1	Si
123	0.139	7.6	0	-7729	SLD 15	-7729	-6713	-43335	-13658	-13658	1	Si
134	0.139	7.6	0	-8146	SLD 15	-8146	-6713	-43335	-13658	-13658	1	Si
145	0.139	7.6	0	-8562	SLD 15	-8562	-6713	-43335	-13658	-13658	1	Si
152	0.139	7.6	0	-8836	SLD 15	-8836	-6713	-43335	-13658	-13658	1	Si
156	0	7.6	0	-8979	SLD 15	-8979	-6713	-43335	0	-6713	1	Si
167	0	7.6	0	-9396	SLD 15	-9396	-6713	-43335	0	-6713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	4902	8	4902	0.3	124.5	13	1837	4480	1	4480	0.3	93.4	0	+∞	Si
11	-14611	8	-14611	1	124.5	38.8	1837	-13102	1	-13102	0.9	93.4	0	+∞	Si
22	-37923	8	-37923	2.6	124.5	100.8	1837	-34483	1	-34483	2.3	93.4	0	+∞	Si
23	-38313	8	-103207	7	124.5	274.3	1837	-34845	1	-95490	6.4	93.4	0	+∞	Si
33	-65033	8	-138172	9.3	124.5	367.3	1837	-59662	1	-128552	8.7	93.4	0	+∞	Si
45	-95942	8	-177438	12	124.5	471.6	1837	-88640	1	-165887	11.2	93.4	0	+∞	Si
50	-112821	8	-198496	13.4	124.5	527.6	1837	-104553	1	-185979	12.6	93.4	0	+∞	Si
61	-149427	8	-243459	16.4	124.5	647.1	1837	-139229	1	-229012	15.5	93.4	0	+∞	Si
73	-189832	8	-292222	19.7	124.5	776.7	1837	-177703	1	-275843	18.6	93.4	0	+∞	Si
84	-234035	8	-344782	23.3	124.5	916.4	1837	-219975	1	-326473	22.1	93.4	0	+∞	Si
95	-282036	8	-401140	27.1	124.5	1066.2	1837	-266045	1	-380900	25.7	93.4	0	+∞	Si
106	-333836	8	-461297	31.2	124.5	1226.1	1837	-315913	1	-439126	29.7	93.4	0	+∞	Si
117	-389434	8	-525252	35.5	124.5	1396.1	1837	-369580	1	-501149	33.8	93.4	0	+∞	Si
123	-418657	8	-561073	37.9	124.5	1491.4	1837	-397838	1	-535660	36.2	93.4	0	+∞	Si
134	-479952	8	-595552	40.2	124.5	1583	1837	-457202	1	-568804	38.4	93.4	0	+∞	Si
145	-546107	9	-595552	40.2	124.5	1583	1837	-521274	2	-568804	38.4	93.4	0	+∞	Si
152	-595552	9	-595552	40.2	124.5	1583	1837	-568804	2	-568804	38.4	93.4	0	+∞	Si
156	-622025	9	-618508	41.8	124.5	1644	1837	-594257	2	-590875	39.9	93.4	0	+∞	Si
167	-702740	9	-647046	43.7	124.5	1719.9	1837	-671895	2	-618312	41.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
11	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
22	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.004	2	-0.004	2	9999	Si
23	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.004	2	-0.004	2	9999	Si
33	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.006	2	9999	Si
45	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.008	2	9999	Si
50	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	2	-0.009	2	9999	Si
61	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	2	-0.01	2	9999	Si
73	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.011	2	-0.011	2	9999	Si
84	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.012	2	-0.012	2	9999	Si
95	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	2	-0.013	2	9999	Si
106	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.013	2	-0.013	2	9999	Si
117	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	2	-0.013	2	9999	Si
123	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	2	-0.012	2	9999	Si
134	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.011	2	-0.011	2	9999	Si
145	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	2	-0.009	2	9999	Si
152	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	2	-0.006	2	9999	Si
156	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-1747	-6364	-13658	SLV 15	0.57	2474	1.666	-26031	-97244	-796256	SLV 15	0.57	2474	1.666	Si
33	-2158	-6364	-13658	SLV 15	0.57	2474	1.666	-111932	-276893	-796256	SLV 15	0.57	2474	1.666	Si
45	-2575	-6364	-13658	SLV 15	0.57	2474	1.666	-148604	-333293	-796256	SLV 15	0.57	2474	1.666	Si
50	-2784	-6364	-13658	SLV 15	0.57	2474	1.666	-168685	-361493	-796256	SLV 15	0.57	2474	1.666	Si
61	-3201	-6364	-13658	SLV 15	0.57	2474	1.666	-212340	-417893	-796256	SLV 15	0.5	1681	1.422	Si
73	-3617	-6364	-13658	SLV 15	0.56	2327	1.625	-260651	-474293	-796256	SLV 15	0.41	957	1.129	Si
84	-4034	-6364	-13658	SLV 15	0.54	2078	1.551	-313617	-530693	-796256	SLV 15	0.33	566	0.91	No
95	-4451	-6364	-13658	SLV 15	0.52	1845	1.478	-371239	-587093	-796256	SLV 15	0.27	338	0.737	No
106	-4868	-6364	-13658	SLV 15	0.49	1630	1.404	-433516	-643493	-796256	SLV 15	0.21	196	0.589	No
117	-5285	-6364	-13658	SLV 15	0.47	1432	1.332	-500448	-699893	-796256	SLV 15	0.16	108	0.462	No
123	-5494	-6364	-13658	SLV 15	0.46	1340	1.296	-535660	-728093	-796256	SLV 15	0.14	78	0.404	No
134	-5910	-6364	-13658	SLV 15	0.44	1166	1.224	-568804	-753835	-796256	SLV 15	0.11	56	0.353	No
145	-6327	-6364	-13658	SLV 15	0.42	1007	1.153	-568804	-753835	-796256	SLV 15	0.11	56	0.353	No
152	-6601	-6364	-13658	SLV 15	0.4	916	1.109	-568804	-753835	-796256	SLV 15	0.11	56	0.353	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-1747	-2235	-13658	SLD 15	0.6	2474	4.193	-26031	-43034	-796256	SLD 15	0.6	2474	4.193	Si
33	-2158	-2235	-13658	SLD 15	0.6	2474	4.193	-111932	-122536	-796256	SLD 15	0.6	2474	4.193	Si
45	-2575	-2235	-13658	SLD 15	0.6	2474	4.193	-148604	-147495	-796256	SLD 15	0.58	2474	4.193	Si
50	-2784	-2235	-13658	SLD 15	0.6	2474	4.193	-168685	-159974	-796256	SLD 15	0.52	1873	3.741	Si
61	-3201	-2235	-13658	SLD 15	0.6	2474	4.193	-212340	-184933	-796256	SLD 15	0.42	1050	2.951	Si
73	-3617	-2235	-13658	SLD 15	0.59	2474	4.193	-260651	-209892	-796256	SLD 15	0.34	620	2.377	Si
84	-4034	-2235	-13658	SLD 15	0.57	2402	4.142	-313617	-234851	-796256	SLD 15	0.28	378	1.941	Si
95	-4451	-2235	-13658	SLD 15	0.54	2134	3.946	-371239	-259810	-796256	SLD 15	0.23	229	1.58	Si
106	-4868	-2235	-13658	SLD 15	0.52	1884	3.75	-433516	-284769	-796256	SLD 15	0.18	134	1.269	Si
117	-5285	-2235	-13658	SLD 15	0.5	1655	3.556	-500448	-309728	-796256	SLD 15	0.13	76	1.005	No
123	-5494	-2235	-13658	SLD 15	0.49	1548	3.46	-535660	-322208	-796256	SLD 15	0.11	55	0.881	No
134	-5910	-2235	-13658	SLD 15	0.46	1346	3.267	-568804	-333600	-796256	SLD 15	0.1	39	0.765	No
145	-6327	-2235	-13658	SLD 15	0.44	1162	3.076	-568804	-333600	-796256	SLD 15	0.1	39	0.765	No
152	-6601	-2235	-13658	SLD 15	0.42	1050	2.951	-568804	-333600	-796256	SLD 15	0.1	39	0.765	No

Campata 2 tra i fili ? - ?, sezione R 30x60, asta 997

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-1246576	SLU 36	-1194352	-796256	0.099	No
15	7.6	5.4	7.6	5.4						-1143995	SLU 36	-1143995	-796256	0.099	No
20	7.6	5.4	7.6	5.4						-1110424	SLU 36	-1143995	-796256	0.099	No
40	7.6	5.4	7.6	5.4						-981741	SLU 36	-1141108	-796256	0.099	No
60	7.6	5.4	7.6	5.4						-860530	SLU 36	-1010719	-796256	0.099	No

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
80	7.6	5.4	7.6	5.4						-746789	SLU 36	-887800	-796256	0.099	No
90	7.6	5.4	7.6	5.4						-692719	SLU 36	-829142	-796256	0.099	No
110	7.6	5.4	7.6	5.4						-590184	SLU 36	-717429	-796256	0.099	Si
130	7.6	5.4	7.6	5.4						-495119	SLU 36	-613187	-796256	0.099	Si
150	7.6	5.4	7.6	5.4						-407525	SLU 36	-516415	-796256	0.099	Si
170	7.6	5.4	7.6	5.4						-327401	SLU 36	-427113	-796256	0.099	Si
190	7.6	5.4	7.6	5.4						-256735	SLU 35	-345282	-796256	0.099	Si
210	7.6	5.4	7.6	5.4						-193708	SLU 35	-272236	-796256	0.099	Si
230	7.6	5.4	7.6	5.4						-137098	SLU 35	-207743	-796256	0.099	Si
240	7.6	5.4	7.6	5.4						-111200	SLU 35	-177903	-796256	0.099	Si
260	7.6	5.4	7.6	5.4						-64214	SLU 35	-123035	-796256	0.099	Si
278	7.6	5.4	7.6	5.4						-28516	SLU 35	-80256	-796256	0.099	Si
280	7.6	5.4	7.6	5.4						-23645	SLU 35	-23645	-796256	0.099	Si
300	7.6	5.4	7.6	5.4	11397	SLU 30	7422	796256	0.099						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-1162283	SLV 7	-1117833	-796256	0.099	No
15	7.6	5.4	7.6	5.4						-1074737	SLV 7	-1074737	-796256	0.099	No
20	7.6	5.4	7.6	5.4						-1046006	SLV 7	-1074737	-796256	0.099	No
40	7.6	5.4	7.6	5.4						-935144	SLV 7	-1072266	-796256	0.099	No
60	7.6	5.4	7.6	5.4						-829697	SLV 7	-960167	-796256	0.099	No
80	7.6	5.4	7.6	5.4						-729664	SLV 7	-853482	-796256	0.099	No
90	7.6	5.4	7.6	5.4						-681678	SLV 7	-802170	-796256	0.099	No
110	7.6	5.4	7.6	5.4						-589767	SLV 7	-703607	-796256	0.099	Si
130	7.6	5.4	7.6	5.4						-503270	SLV 7	-610459	-796256	0.099	Si
150	7.6	5.4	7.6	5.4						-422187	SLV 7	-522725	-796256	0.099	Si
170	7.6	5.4	7.6	5.4						-346520	SLV 7	-440405	-796256	0.099	Si
190	7.6	5.4	7.6	5.4						-276266	SLV 7	-363500	-796256	0.099	Si
210	7.6	5.4	7.6	5.4						-211428	SLV 7	-292010	-796256	0.099	Si
230	7.6	5.4	7.6	5.4						-152003	SLV 7	-225934	-796256	0.099	Si
240	7.6	5.4	7.6	5.4						-124322	SLV 7	-194926	-796256	0.099	Si
260	7.6	5.4	7.6	5.4						-73020	SLV 7	-136972	-796256	0.099	Si
278	7.6	5.4	7.6	5.4						-32701	SLV 7	-90677	-796256	0.099	Si
280	7.6	5.4	7.6	5.4						-27135	SLV 7	-27135	-796256	0.099	Si
300	7.6	5.4	7.6	5.4	13362	SLV 7	8031	796256	0.099						Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-1014356	SLD 7	-973677	-796256	0.099	No
15	7.6	5.4	7.6	5.4						-934351	SLD 7	-934351	-796256	0.099	No
20	7.6	5.4	7.6	5.4						-908134	SLD 7	-934351	-796256	0.099	No
40	7.6	5.4	7.6	5.4						-807327	SLD 7	-932096	-796256	0.099	No
60	7.6	5.4	7.6	5.4						-711934	SLD 7	-830052	-796256	0.099	No
80	7.6	5.4	7.6	5.4						-621956	SLD 7	-733422	-796256	0.099	Si
90	7.6	5.4	7.6	5.4						-578997	SLD 7	-687138	-796256	0.099	Si
110	7.6	5.4	7.6	5.4						-497141	SLD 7	-598629	-796256	0.099	Si
130	7.6	5.4	7.6	5.4						-420699	SLD 7	-515536	-796256	0.099	Si
150	7.6	5.4	7.6	5.4						-349671	SLD 7	-437856	-796256	0.099	Si
170	7.6	5.4	7.6	5.4						-284058	SLD 7	-365591	-796256	0.099	Si
190	7.6	5.4	7.6	5.4						-223859	SLD 7	-298741	-796256	0.099	Si
210	7.6	5.4	7.6	5.4						-169075	SLD 7	-237305	-796256	0.099	Si
230	7.6	5.4	7.6	5.4						-119705	SLD 7	-181284	-796256	0.099	Si
240	7.6	5.4	7.6	5.4						-97051	SLD 7	-155304	-796256	0.099	Si
260	7.6	5.4	7.6	5.4						-55803	SLD 7	-107404	-796256	0.099	Si
278	7.6	5.4	7.6	5.4						-24281	SLD 7	-69906	-796256	0.099	Si
280	7.6	5.4	7.6	5.4						-19971	SLD 7	-19971	-796256	0.099	Si
300	7.6	5.4	7.6	5.4	10458	SLD 7	5267	796256	0.099						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	7155	SLU 30	7155	6713	43335	0	6713	1	Si
15	0.046	7.6	0	6858	SLU 30	6858	6713	43335	4509	6713	1	No
20	0.046	7.6	0	6759	SLU 30	6759	6713	43335	4509	6713	1	No
40	0.046	7.6	0	6363	SLU 30	6363	6713	43335	4509	6713	1	Si
60	0.046	7.6	0	5967	SLU 30	5967	6713	43335	4509	6713	1	Si
80	0.046	7.6	0	5570	SLU 30	5570	6713	43335	4509	6713	1	Si
90	0.046	7.6	0	5372	SLU 30	5372	6713	43335	4509	6713	1	Si
110	0.046	7.6	0	4976	SLU 30	4976	6713	43335	4509	6713	1	Si
130	0.046	7.6	0	4580	SLU 30	4580	6713	43335	4509	6713	1	Si
150	0.046	7.6	0	4193	SLU 36	4193	6713	43335	4509	6713	1	Si
170	0.046	7.6	0	3819	SLU 36	3819	6713	43335	4509	6713	1	Si
190	0.046	7.6	0	3446	SLU 36	3446	6713	43335	4509	6713	1	Si
210	0.046	7.6	0	3072	SLU 36	3072	6713	43335	4509	6713	1	Si
230	0.046	7.6	0	2699	SLU 36	2699	6713	43335	4509	6713	1	Si
240	0.046	7.6	0	2512	SLU 36	2512	6713	43335	4509	6713	1	Si
260	0.046	7.6	0	2189	SLU 35	2189	6713	43335	4509	6713	1	Si
278	0.046	7.6	0	1908	SLU 35	1908	6713	43335	4509	6713	1	Si
280	0	7.6	0	1868	SLU 35	1868	6713	43335	0	6713	1	Si
300	0	7.6	0	1547	SLU 35	1547	6713	43335	0	6713	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5949	SLV 7	6184	6713	43335	0	6713	1	Si
15	0.046	7.6	0	5746	SLV 7	5981	6713	43335	4509	6713	1	Si
20	0.046	7.6	0	5678	SLV 7	5913	6713	43335	4509	6713	1	Si
40	0.046	7.6	0	5408	SLV 7	5642	6713	43335	4509	6713	1	Si
60	0.046	7.6	0	5137	SLV 7	5371	6713	43335	4509	6713	1	Si
80	0.046	7.6	0	4866	SLV 7	5101	6713	43335	4509	6713	1	Si
90	0.046	7.6	0	4731	SLV 7	4965	6713	43335	4509	6713	1	Si
110	0.046	7.6	0	4460	SLV 7	4695	6713	43335	4509	6713	1	Si
130	0.046	7.6	0	4189	SLV 7	4424	6713	43335	4509	6713	1	Si
150	0.046	7.6	0	3919	SLV 7	4153	6713	43335	4509	6713	1	Si
170	0.046	7.6	0	3648	SLV 7	3883	6713	43335	4509	6713	1	Si
190	0.046	7.6	0	3377	SLV 7	3612	6713	43335	4509	6713	1	Si
210	0.046	7.6	0	3107	SLV 7	3341	6713	43335	4509	6713	1	Si
230	0.046	7.6	0	2836	SLV 7	3070	6713	43335	4509	6713	1	Si
240	0.046	7.6	0	2701	SLV 7	2935	6713	43335	4509	6713	1	Si
260	0.046	7.6	0	2430	SLV 7	2664	6713	43335	4509	6713	1	Si
278	0.046	7.6	0	2193	SLV 7	2427	6713	43335	4509	6713	1	Si
280	0	7.6	0	2159	SLV 7	2394	6713	43335	0	6713	1	Si
300	0	7.6	0	1888	SLV 7	2123	6713	43335	0	6713	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
300	0	7.6	0	85	SLV 9	-150	-6713	-43335	0	-6713	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5446	SLD 7	5446	6713	43335	0	6713	1	Si
15	0.046	7.6	0	5243	SLD 7	5243	6713	43335	4509	6713	1	Si
20	0.046	7.6	0	5176	SLD 7	5176	6713	43335	4509	6713	1	Si
40	0.046	7.6	0	4905	SLD 7	4905	6713	43335	4509	6713	1	Si
60	0.046	7.6	0	4634	SLD 7	4634	6713	43335	4509	6713	1	Si
80	0.046	7.6	0	4364	SLD 7	4364	6713	43335	4509	6713	1	Si
90	0.046	7.6	0	4228	SLD 7	4228	6713	43335	4509	6713	1	Si
110	0.046	7.6	0	3957	SLD 7	3957	6713	43335	4509	6713	1	Si
130	0.046	7.6	0	3687	SLD 7	3687	6713	43335	4509	6713	1	Si
150	0.046	7.6	0	3416	SLD 7	3416	6713	43335	4509	6713	1	Si
170	0.046	7.6	0	3145	SLD 7	3145	6713	43335	4509	6713	1	Si
190	0.046	7.6	0	2875	SLD 7	2875	6713	43335	4509	6713	1	Si
210	0.046	7.6	0	2604	SLD 7	2604	6713	43335	4509	6713	1	Si
230	0.046	7.6	0	2333	SLD 7	2333	6713	43335	4509	6713	1	Si
240	0.046	7.6	0	2198	SLD 7	2198	6713	43335	4509	6713	1	Si
260	0.046	7.6	0	1927	SLD 7	1927	6713	43335	4509	6713	1	Si
278	0.046	7.6	0	1690	SLD 7	1690	6713	43335	4509	6713	1	Si
280	0	7.6	0	1656	SLD 7	1656	6713	43335	0	6713	1	Si
300	0	7.6	0	1386	SLD 7	1386	6713	43335	0	6713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-932064	9	-893213	60.3	124.5	2374.2	1837	-896927	2	-859241	58	93.4	0	+∞	Si
15	-855740	9	-855740	57.8	124.5	2274.6	1837	-822909	2	-822909	55.6	93.4	0	+∞	Si
20	-830759	9	-855740	57.8	124.5	2274.6	1837	-798687	2	-822909	55.6	93.4	0	+∞	Si
40	-734969	9	-853592	57.7	124.5	2268.9	1837	-705862	2	-820826	55.4	93.4	0	+∞	Si
60	-644694	9	-756542	51.1	124.5	2010.9	1837	-618451	2	-726763	49.1	93.4	0	+∞	Si
80	-559934	9	-665007	44.9	124.5	1767.6	1837	-536454	2	-638115	43.1	93.4	0	+∞	Si
90	-519622	9	-621307	42	124.5	1651.5	1837	-497486	2	-595821	40.2	93.4	0	+∞	Si
110	-443134	9	-538045	36.3	124.5	1430.1	1837	-423612	2	-515295	34.8	93.4	0	+∞	Si
130	-372161	9	-460297	31.1	124.5	1223.5	1837	-355151	2	-440183	29.7	93.4	0	+∞	Si
150	-306703	9	-388063	26.2	124.5	1031.5	1837	-292105	2	-370485	25	93.4	0	+∞	Si
170	-246760	9	-321345	21.7	124.5	854.1	1837	-234474	2	-306202	20.7	93.4	0	+∞	Si
190	-193656	8	-260142	17.6	124.5	691.5	1837	-183392	1	-247333	16.7	93.4	0	+∞	Si
210	-146180	8	-205329	13.9	124.5	545.8	1837	-137822	1	-194630	13.1	93.4	0	+∞	Si
230	-103517	8	-156754	10.6	124.5	416.7	1837	-97064	1	-147960	10	93.4	0	+∞	Si
240	-83989	8	-134270	9.1	124.5	356.9	1837	-78490	1	-126430	8.5	93.4	0	+∞	Si
260	-48544	8	-92913	6.3	124.5	247	1837	-44950	1	-86978	5.9	93.4	0	+∞	Si
278	-21589	8	-60648	4.1	124.5	161.2	1837	-19663	1	-56381	3.8	93.4	0	+∞	Si
280	-17910	8	-17910	1.2	124.5	47.6	1837	-16222	1	-16222	1.1	93.4	0	+∞	Si
300	8504	3	5373	0.4	124.5	14.3	1837	8153	2	4518	0.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	-0.006	-0.007	-0.008	-0.009	-0.006	-0.006	-0.008	-0.008	-0.006	-0.006	-0.02	1	-0.021	1	9999	Si
20	-0.008	-0.009	-0.01	-0.011	-0.008	-0.008	-0.01	-0.011	-0.008	-0.008	-0.026	1	-0.027	1	9999	Si
40	-0.014	-0.015	-0.016	-0.019	-0.014	-0.014	-0.016	-0.017	-0.014	-0.014	-0.044	1	-0.046	1	6773	Si
60	-0.018	-0.02	-0.02	-0.023	-0.018	-0.019	-0.02	-0.022	-0.018	-0.019	-0.056	1	-0.058	1	5375	Si
80	-0.021	-0.023	-0.023	-0.026	-0.021	-0.022	-0.023	-0.024	-0.021	-0.022	-0.062	1	-0.065	1	4842	Si
90	-0.022	-0.023	-0.023	-0.027	-0.022	-0.023	-0.023	-0.025	-0.022	-0.022	-0.063	1	-0.066	1	4731	Si
100	-0.023	-0.024	-0.024	-0.027	-0.023	-0.023	-0.024	-0.025	-0.023	-0.023	-0.064	1	-0.067	1	4677	Si
110	-0.023	-0.024	-0.024	-0.027	-0.023	-0.023	-0.024	-0.025	-0.023	-0.023	-0.064	1	-0.067	1	4671	Si
130	-0.023	-0.024	-0.023	-0.026	-0.023	-0.023	-0.023	-0.025	-0.023	-0.023	-0.063	1	-0.065	1	4784	Si
150	-0.022	-0.023	-0.022	-0.025	-0.022	-0.022	-0.022	-0.023	-0.022	-0.022	-0.059	1	-0.061	1	5065	Si
170	-0.02	-0.021	-0.02	-0.023	-0.02	-0.02	-0.02	-0.021	-0.02	-0.02	-0.054	1	-0.056	1	5545	Si
190	-0.018	-0.019	-0.018	-0.02	-0.018	-0.018	-0.018	-0.019	-0.018	-0.018	-0.048	1	-0.049	1	6293	Si
210	-0.015	-0.016	-0.015	-0.017	-0.015	-0.015	-0.015	-0.016	-0.015	-0.015	-0.04	1	-0.041	1	7463	Si
230	-0.012	-0.013	-0.012	-0.013	-0.012	-0.012	-0.012	-0.013	-0.012	-0.012	-0.032	1	-0.033	1	9391	Si
240	-0.01	-0.011	-0.01	-0.012	-0.01	-0.01	-0.01	-0.011	-0.01	-0.01	-0.028	1	-0.028	1	9999	Si
260	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.019	1	-0.019	1	9999	Si
278	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.011	1	-0.011	1	9999	Si
280	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.009	1	-0.01	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	4844	1136	6713	SLV 7	0.57	2474	1.666	-822909	-17050	-796256	SLV 1	0	0	0	No
20	4777	1136	6713	SLV 7	0.57	2474	1.666	-822909	-17050	-796256	SLV 1	0	0	0	No
40	4506	1136	6713	SLV 7	0.57	2474	1.666	-820826	-17025	-796256	SLV 1	0	0	0	No
60	4235	1136	6713	SLV 7	0.57	2474	1.666	-726763	-233404	-796256	SLV 7	0.11	55	0.35	No
80	3964	1136	6713	SLV 7	0.57	2474	1.666	-638115	-215367	-796256	SLV 7	0.27	349	0.747	No
90	3829	1136	6713	SLV 7	0.57	2474	1.666	-595821	-206349	-796256	SLV 7	0.35	663	0.971	No
110	3558	1136	6713	SLV 7	0.57	2474	1.666	-515295	-188313	-796256	SLV 7	0.53	2004	1.528	Si
130	3288	1136	6713	SLV 7	0.57	2474	1.666	-440183	-170276	-796256	SLV 7	0.57	2474	1.666	Si
150	3017	1136	6713	SLV 7	0.57	2474	1.666	-370485	-152240	-796256	SLV 7	0.57	2474	1.666	Si
170	2746	1136	6713	SLV 7	0.57	2474	1.666	-306202	-134203	-796256	SLV 7	0.57	2474	1.666	Si
190	2475	1136	6713	SLV 7	0.57	2474	1.666	-247333	-116167	-796256	SLV 7	0.57	2474	1.666	Si
210	2205	1136	6713	SLV 7	0.57	2474	1.666	-193879	-98131	-796256	SLV 7	0.57	2474	1.666	Si
230	1934	1136	6713	SLV 7	0.57	2474	1.666	-145839	-80094	-796256	SLV 7	0.57	2474	1.666	Si
240	1799	1136	6713	SLV 7	0.57	2474	1.666	-123850	-71076	-796256	SLV 7	0.57	2474	1.666	Si
260	1528	1136	6713	SLV 7	0.57	2474	1.666	-83932	-53040	-796256	SLV 7	0.57	2474	1.666	Si
278	1291	1136	6713	SLV 7	0.57	2474	1.666	-17597	-15104	-796256	SLV 7	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	4844	399	6713	SLD 7	0.6	2474	4.193	-822909	-7540	-796256	SLD 1	0	0	0	No
20	4777	399	6713	SLD 7	0.6	2474	4.193	-822909	-7540	-796256	SLD 1	0	0	0	No
40	4506	399	6713	SLD 7	0.6	2474	4.193	-820826	-7529	-796256	SLD 1	0	0	0	No
60	4235	399	6713	SLD 7	0.6	2474	4.193	-726763	-103289	-796256	SLD 7	0.09	38	0.757	No
80	3964	399	6713	SLD 7	0.6	2474	4.193	-638115	-95307	-796256	SLD 7	0.23	237	1.603	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
90	3829	399	6713	SLD 7	0.6	2474	4.193	-595821	-91316	-796256	SLD 7	0.3	437	2.06	Si
110	3558	399	6713	SLD 7	0.6	2474	4.193	-515295	-83335	-796256	SLD 7	0.45	1251	3.17	Si
130	3288	399	6713	SLD 7	0.6	2474	4.193	-440183	-75353	-796256	SLD 7	0.6	2474	4.193	Si
150	3017	399	6713	SLD 7	0.6	2474	4.193	-370485	-67371	-796256	SLD 7	0.6	2474	4.193	Si
170	2746	399	6713	SLD 7	0.6	2474	4.193	-306202	-59389	-796256	SLD 7	0.6	2474	4.193	Si
190	2475	399	6713	SLD 7	0.6	2474	4.193	-247333	-51408	-796256	SLD 7	0.6	2474	4.193	Si
210	2205	399	6713	SLD 7	0.6	2474	4.193	-193879	-43426	-796256	SLD 7	0.6	2474	4.193	Si
230	1934	399	6713	SLD 7	0.6	2474	4.193	-145839	-35444	-796256	SLD 7	0.6	2474	4.193	Si
240	1799	399	6713	SLD 7	0.6	2474	4.193	-123850	-31454	-796256	SLD 7	0.6	2474	4.193	Si
260	1528	399	6713	SLD 7	0.6	2474	4.193	-83932	-23472	-796256	SLD 7	0.6	2474	4.193	Si
278	1291	399	6713	SLD 7	0.6	2474	4.193	-17597	-6684	-796256	SLD 7	0.6	2474	4.193	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 1" (2689; 3971)-29

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - 26, sezione R 45x70, asta 1015

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	2060	SLU 29	2060	970067	0.076						Si
20	7.6	5.4	7.6	5.4	40531	SLU 35	40531	970067	0.076						Si
23	7.6	5.4	7.6	5.4	45374	SLU 35	94547	970067	0.076						Si
40	7.6	5.4	7.6	5.4	75546	SLU 35	119560	970067	0.076						Si
59	7.6	5.4	7.6	5.4	106535	SLU 35	144645	970067	0.076						Si
69	7.6	5.4	7.6	5.4	120519	SLU 35	155678	970067	0.076						Si
89	7.6	5.4	7.6	5.4	145466	SLU 35	174723	970067	0.076						Si
109	7.6	5.4	7.6	5.4	166387	SLU 35	189741	970067	0.076						Si
129	7.6	5.4	7.6	5.4	183280	SLU 35	200733	970067	0.076						Si
149	7.6	5.4	7.6	5.4	196147	SLU 35	207697	970067	0.076						Si
169	7.6	5.4	7.6	5.4	204987	SLU 35	210634	970067	0.076						Si
178	7.6	5.4	7.6	5.4	207896	SLU 35	210695	970067	0.076						Si
188	7.6	5.4	7.6	5.4	209799	SLU 35	210695	970067	0.076						Si
208	9.31	5.4	9.75	5.4	210585	SLU 35	210695	1225834	0.081						Si
218	9.78	5.4	10.42	5.4	209467	SLU 35	210695	1305180	0.082						Si
238	14.83	5.4	13.5	5.4	204212	SLU 35	210508	1670371	0.086						Si
258	17.39	5.4	14.83	5.4	194930	SLU 35	207128	1828550	0.088						Si
275	19.01	5.4	15.21	5.4	183546	SLU 35	200903	1872544	0.088						Si
278	19.01	5.4	15.21	5.4	181621	SLU 35	181621	1872544	0.088						Si
297	19.01	5.4	15.21	5.4	164285	SLU 35	164285	1872544	0.088						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	7272	SLV 13	7272	970067	0.076	-4563	SLV 3	-4563	-970067	0.076	Si
20	7.6	5.4	7.6	5.4	94350	SLV 3	94350	970067	0.076	-37718	SLV 13	-37718	-970067	0.076	Si
23	7.6	5.4	7.6	5.4	107329	SLV 3	246025	970067	0.076	-44071	SLV 13	-116119	-970067	0.076	Si
40	7.6	5.4	7.6	5.4	190105	SLV 3	324834	970067	0.076	-85745	SLV 13	-161762	-970067	0.076	Si
59	7.6	5.4	7.6	5.4	282763	SLV 3	412951	970067	0.076	-136870	SLV 13	-217428	-970067	0.076	Si
69	7.6	5.4	7.6	5.4	327931	SLV 3	455849	970067	0.076	-163595	SLV 13	-246423	-970067	0.076	Si
89	7.6	5.4	7.6	5.4	415942	SLV 3	539320	970067	0.076	-219367	SLV 13	-306736	-970067	0.076	Si
109	7.6	5.4	7.6	5.4	500856	SLV 3	619694	970067	0.076	-278237	SLV 13	-370146	-970067	0.076	Si
129	7.6	5.4	7.6	5.4	582673	SLV 3	696970	970067	0.076	-340205	SLV 13	-436654	-970067	0.076	Si
149	7.6	5.4	7.6	5.4	661391	SLV 3	771148	970067	0.076	-405270	SLV 13	-506260	-970067	0.076	Si
169	7.6	5.4	7.6	5.4	737012	SLV 3	842228	970067	0.076	-473433	SLV 13	-578963	-970067	0.076	Si
188	7.6	5.4	7.6	5.4	809535	SLV 3	910211	970067	0.076	-544694	SLV 13	-654765	-970067	0.076	Si
198	7.6	5.4	7.6	5.4	844635	SLV 3	943041	970067	0.076	-581486	SLV 13	-693827	-970067	0.076	Si
208	9.31	5.4	9.75	5.4	878961	SLV 3	975096	1225834	0.081	-619053	SLV 13	-733664	-1173193	0.08	Si
218	9.78	5.4	10.42	5.4	912512	SLV 3	1006377	1305180	0.082	-657394	SLV 13	-774275	-1228759	0.081	Si
238	14.83	5.4	13.5	5.4	977290	SLV 3	1066615	1670371	0.086	-736399	SLV 13	-857820	-1827829	0.089	Si
258	17.39	5.4	14.83	5.4	1038972	SLV 3	1089782	1828550	0.088	-818502	SLV 13	-892143	-2131513	0.092	Si
275	19.01	5.4	15.21	5.4	1089782	SLV 3	1089782	1872544	0.088	-892143	SLV 13	-892143	-2323187	0.094	Si
278	19.01	5.4	15.21	5.4	1097555	SLV 3	1097049	1872544	0.088	-903703	SLV 13	-903063	-2323187	0.094	Si
297	19.01	5.4	15.21	5.4	1153041	SLV 3	1122370	1872544	0.088	-992001	SLV 13	-941113	-2323187	0.094	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	3973	SLD 13	3832	970067	0.076	-1264	SLD 3	-1264	-970067	0.076	Si
20	7.6	5.4	7.6	5.4	57538	SLD 3	57538	970067	0.076	-906	SLD 13	-906	-970067	0.076	Si
23	7.6	5.4	7.6	5.4	65129	SLD 3	145084	970067	0.076	-1871	SLD 13	-15178	-970067	0.076	Si
40	7.6	5.4	7.6	5.4	113217	SLD 3	189203	970067	0.076	-8856	SLD 13	-26132	-970067	0.076	Si
59	7.6	5.4	7.6	5.4	165798	SLD 3	237244	970067	0.076	-19905	SLD 13	-41721	-970067	0.076	Si
69	7.6	5.4	7.6	5.4	190926	SLD 3	260103	970067	0.076	-26591	SLD 13	-50677	-970067	0.076	Si
89	7.6	5.4	7.6	5.4	238861	SLD 3	303497	970067	0.076	-42285	SLD 13	-70912	-970067	0.076	Si
109	7.6	5.4	7.6	5.4	283697	SLD 3	343793	970067	0.076	-61078	SLD 13	-94245	-970067	0.076	Si
129	7.6	5.4	7.6	5.4	325436	SLD 3	380991	970067	0.076	-82969	SLD 13	-120676	-970067	0.076	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
149	7.6	5.4	7.6	5.4	364078	SLD 3	415092	970067	0.076	-107957	SLD 13	-150204	-970067	0.076	Si
169	7.6	5.4	7.6	5.4	399621	SLD 3	446096	970067	0.076	-136043	SLD 13	-182831	-970067	0.076	Si
188	7.6	5.4	7.6	5.4	432067	SLD 3	474001	970067	0.076	-167226	SLD 13	-218555	-970067	0.076	Si
198	7.6	5.4	7.6	5.4	447128	SLD 3	486792	970067	0.076	-183980	SLD 13	-237578	-970067	0.076	Si
208	9.31	5.4	9.75	5.4	461415	SLD 3	498809	1225834	0.081	-201507	SLD 13	-257376	-1173193	0.08	Si
218	9.78	5.4	10.42	5.4	474928	SLD 3	510051	1305180	0.082	-219810	SLD 13	-277949	-1228759	0.081	Si
238	14.83	5.4	13.5	5.4	499629	SLD 3	530212	1670371	0.086	-258738	SLD 13	-321417	-1827829	0.089	Si
258	17.39	5.4	14.83	5.4	521233	SLD 3	537355	1828550	0.088	-300763	SLD 13	-339715	-2131513	0.092	Si
275	19.01	5.4	15.21	5.4	537355	SLD 3	537355	1872544	0.088	-339715	SLD 13	-339715	-2323187	0.094	Si
278	19.01	5.4	15.21	5.4	539739	SLD 3	539552	1872544	0.088	-345886	SLD 13	-345566	-2323187	0.094	Si
297	19.01	5.4	15.21	5.4	555147	SLD 3	547210	1872544	0.088	-394108	SLD 13	-365953	-2323187	0.094	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2070	SLU 35	2070	9541	76908	0	9541	1	Si
20	0	7.6	0	1867	SLU 35	1867	9541	76908	0	9541	1	Si
23	0.068	7.6	0	1840	SLU 35	1840	9541	76908	7858	9541	1	Si
40	0.068	7.6	0	1664	SLU 35	1664	9541	76908	7858	9541	1	Si
59	0.068	7.6	0	1461	SLU 35	1461	9541	76908	7858	9541	1	Si
69	0.068	7.6	0	1359	SLU 35	1359	9541	76908	7858	9541	1	Si
89	0.068	7.6	0	1156	SLU 35	1156	9541	76908	7858	9541	1	Si
109	0.068	7.6	0	953	SLU 35	953	9541	76908	7858	9541	1	Si
129	0.068	7.6	0	750	SLU 35	750	9541	76908	7858	9541	1	Si
149	0.068	7.6	0	547	SLU 35	547	9541	76908	7858	9541	1	Si
169	0.068	7.6	0	344	SLU 35	344	9541	76908	7858	9541	1	Si
188	0.068	7.6	0	167	SLU 17	167	9541	76908	7858	9541	1	Si
188	0.068	7.6	0	-162	SLU 20	-162	-9541	-76908	-7858	-9541	1	Si
208	0.068	7.6	0	11	SLU 17	11	9541	76908	7858	9541	1	Si
208	0.068	7.6	0	-365	SLU 20	-365	-9541	-76908	-7858	-9541	1	Si
218	0.068	7.6	0	-467	SLU 20	-467	-9541	-76908	-7858	-9541	1	Si
238	0.068	7.6	0	-670	SLU 20	-670	-9541	-76908	-7858	-9541	1	Si
258	0.068	7.6	0	-873	SLU 20	-873	-9541	-76908	-7858	-9541	1	Si
275	0.068	9.75	0	-1049	SLU 20	-1049	-10367	-76908	-7858	-10367	1	Si
278	0	9.75	0	-1076	SLU 20	-1076	-10367	-76908	0	-10367	1	Si
297	0	11.09	0	-1279	SLU 20	-1279	-10820	-76908	0	-10820	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5062	SLV 3	6005	9541	76908	0	9541	1	Si
0	0	7.6	0	-2187	SLV 13	-3130	-9541	-76908	0	-9541	1	Si
20	0	7.6	0	4906	SLV 3	5849	9541	76908	0	9541	1	Si
20	0	7.6	0	-2343	SLV 13	-3286	-9541	-76908	0	-9541	1	Si
23	0.068	7.6	0	4885	SLV 3	5828	9541	76908	7858	9541	1	Si
23	0.068	7.6	0	-2364	SLV 13	-3307	-9541	-76908	-7858	-9541	1	Si
40	0.068	7.6	0	4750	SLV 3	5692	9541	76908	7858	9541	1	Si
40	0.068	7.6	0	-2500	SLV 13	-3442	-9541	-76908	-7858	-9541	1	Si
59	0.068	7.6	0	4594	SLV 3	5536	9541	76908	7858	9541	1	Si
59	0.068	7.6	0	-2656	SLV 13	-3598	-9541	-76908	-7858	-9541	1	Si
69	0.068	7.6	0	4516	SLV 3	5458	9541	76908	7858	9541	1	Si
69	0.068	7.6	0	-2734	SLV 13	-3676	-9541	-76908	-7858	-9541	1	Si
89	0.068	7.6	0	4359	SLV 3	5302	9541	76908	7858	9541	1	Si
89	0.068	7.6	0	-2890	SLV 13	-3833	-9541	-76908	-7858	-9541	1	Si
109	0.068	7.6	0	4203	SLV 3	5146	9541	76908	7858	9541	1	Si
109	0.068	7.6	0	-3046	SLV 13	-3989	-9541	-76908	-7858	-9541	1	Si
129	0.068	7.6	0	4047	SLV 3	4990	9541	76908	7858	9541	1	Si
129	0.068	7.6	0	-3203	SLV 13	-4145	-9541	-76908	-7858	-9541	1	Si
149	0.068	7.6	0	3891	SLV 3	4833	9541	76908	7858	9541	1	Si
149	0.068	7.6	0	-3359	SLV 13	-4301	-9541	-76908	-7858	-9541	1	Si
169	0.068	7.6	0	3735	SLV 3	4677	9541	76908	7858	9541	1	Si
169	0.068	7.6	0	-3515	SLV 13	-4457	-9541	-76908	-7858	-9541	1	Si
188	0.068	7.6	0	3579	SLV 3	4521	9541	76908	7858	9541	1	Si
188	0.068	7.6	0	-3671	SLV 13	-4614	-9541	-76908	-7858	-9541	1	Si
208	0.068	7.6	0	3422	SLV 3	4365	9541	76908	7858	9541	1	Si
208	0.068	7.6	0	-3827	SLV 13	-4770	-9541	-76908	-7858	-9541	1	Si
218	0.068	7.6	0	3344	SLV 3	4287	9541	76908	7858	9541	1	Si
218	0.068	7.6	0	-3905	SLV 13	-4848	-9541	-76908	-7858	-9541	1	Si
238	0.068	7.6	0	3188	SLV 3	4131	9541	76908	7858	9541	1	Si
238	0.068	7.6	0	-4062	SLV 13	-5004	-9541	-76908	-7858	-9541	1	Si
258	0.068	7.6	0	3032	SLV 3	3974	9541	76908	7858	9541	1	Si
258	0.068	7.6	0	-4218	SLV 13	-5160	-9541	-76908	-7858	-9541	1	Si
275	0.068	9.75	0	2897	SLV 3	3839	10367	76908	7858	10367	1	Si
275	0.068	9.31	0	-4353	SLV 13	-5295	-10207	-76908	-7858	-10207	1	Si
278	0	9.75	0	2876	SLV 3	3818	10367	76908	0	10367	1	Si
278	0	9.31	0	-4374	SLV 13	-5316	-10207	-76908	0	-10207	1	Si
297	0	11.09	0	2720	SLV 3	3662	10820	76908	0	10820	1	Si
297	0	13.42	0	-4530	SLV 13	-5473	-11532	-76908	0	-11532	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3042	SLD 3	3042	9541	76908	0	9541	1	Si
0	0	7.6	0	-167	SLD 13	-167	-9541	-76908	0	-9541	1	Si
20	0	7.6	0	2885	SLD 3	2885	9541	76908	0	9541	1	Si
20	0	7.6	0	-323	SLD 13	-323	-9541	-76908	0	-9541	1	Si
23	0.068	7.6	0	2864	SLD 3	2864	9541	76908	7858	9541	1	Si
23	0.068	7.6	0	-344	SLD 13	-344	-9541	-76908	-7858	-9541	1	Si
40	0.068	7.6	0	2729	SLD 3	2729	9541	76908	7858	9541	1	Si
40	0.068	7.6	0	-479	SLD 13	-479	-9541	-76908	-7858	-9541	1	Si
59	0.068	7.6	0	2573	SLD 3	2573	9541	76908	7858	9541	1	Si
59	0.068	7.6	0	-635	SLD 13	-635	-9541	-76908	-7858	-9541	1	Si
69	0.068	7.6	0	2495	SLD 3	2495	9541	76908	7858	9541	1	Si
69	0.068	7.6	0	-713	SLD 13	-713	-9541	-76908	-7858	-9541	1	Si
89	0.068	7.6	0	2339	SLD 3	2339	9541	76908	7858	9541	1	Si
89	0.068	7.6	0	-869	SLD 13	-869	-9541	-76908	-7858	-9541	1	Si
109	0.068	7.6	0	2183	SLD 3	2183	9541	76908	7858	9541	1	Si
109	0.068	7.6	0	-1026	SLD 13	-1026	-9541	-76908	-7858	-9541	1	Si
129	0.068	7.6	0	2026	SLD 3	2026	9541	76908	7858	9541	1	Si
129	0.068	7.6	0	-1182	SLD 13	-1182	-9541	-76908	-7858	-9541	1	Si
149	0.068	7.6	0	1870	SLD 3	1870	9541	76908	7858	9541	1	Si
149	0.068	7.6	0	-1338	SLD 13	-1338	-9541	-76908	-7858	-9541	1	Si
169	0.068	7.6	0	1714	SLD 3	1714	9541	76908	7858	9541	1	Si
169	0.068	7.6	0	-1494	SLD 13	-1494	-9541	-76908	-7858	-9541	1	Si
188	0.068	7.6	0	1558	SLD 3	1558	9541	76908	7858	9541	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
188	0.068	7.6	0	-1650	SLD 13	-1650	-9541	-76908	-7858	-9541	1	Si
208	0.068	7.6	0	1402	SLD 3	1402	9541	76908	7858	9541	1	Si
208	0.068	7.6	0	-1807	SLD 13	-1807	-9541	-76908	-7858	-9541	1	Si
218	0.068	7.6	0	1324	SLD 3	1324	9541	76908	7858	9541	1	Si
218	0.068	7.6	0	-1885	SLD 13	-1885	-9541	-76908	-7858	-9541	1	Si
238	0.068	7.6	0	1167	SLD 3	1167	9541	76908	7858	9541	1	Si
238	0.068	7.6	0	-2041	SLD 13	-2041	-9541	-76908	-7858	-9541	1	Si
258	0.068	7.6	0	1011	SLD 3	1011	9541	76908	7858	9541	1	Si
258	0.068	7.6	0	-2197	SLD 13	-2197	-9541	-76908	-7858	-9541	1	Si
275	0.068	9.75	0	876	SLD 3	876	10367	76908	7858	10367	1	Si
275	0.068	9.31	0	-2332	SLD 13	-2332	-10207	-76908	-7858	-10207	1	Si
278	0	9.75	0	855	SLD 3	855	10367	76908	0	10367	1	Si
278	0	9.31	0	-2353	SLD 13	-2353	-10207	-76908	0	-10207	1	Si
297	0	11.09	0	699	SLD 3	699	10820	76908	0	10820	1	Si
297	0	13.42	0	-2509	SLD 13	-2509	-11532	-76908	0	-11532	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	1494	2	1494	0	124.5	0.5	1837	1354	2	1354	0.1	93.4	0	+∞	Si
20	30632	8	30632	0.7	124.5	10.8	1837	29068	1	29068	1.2	93.4	0	+∞	Si
23	34289	8	71362	1.7	124.5	25.2	1837	32510	1	67243	2.8	93.4	0	+∞	Si
40	57054	8	90158	2.1	124.5	31.9	1837	53893	1	84657	3.6	93.4	0	+∞	Si
59	80378	8	108942	2.6	124.5	38.5	1837	75620	1	101844	4.3	93.4	0	+∞	Si
69	90878	8	117172	2.8	124.5	41.4	1837	85323	1	109276	4.6	93.4	0	+∞	Si
89	109556	8	131309	3.1	124.5	46.4	1837	102403	1	121816	5.2	93.4	0	+∞	Si
109	125135	8	142348	3.4	124.5	50.3	1837	116386	1	131259	5.6	93.4	0	+∞	Si
129	137617	8	150290	3.5	124.5	53.1	1837	127272	1	137604	5.8	93.4	0	+∞	Si
149	147001	8	155133	3.7	124.5	54.8	1837	135059	1	140851	6	93.4	0	+∞	Si
169	153288	8	156880	3.7	124.5	55.4	1837	139749	1	141341	6	93.4	0	+∞	Si
188	156476	8	156909	3.7	124.5	55.4	1837	141341	1	141341	6	93.4	0	+∞	Si
208	156567	8	156909	5.9	124.5	271.4	1837	139836	1	141341	5.3	93.4	0	+∞	Si
218	155451	8	156909	5.7	124.5	254.5	1837	137921	1	141316	5.1	93.4	0	+∞	Si
238	150896	8	156491	4.9	124.5	196.8	1837	131769	1	139704	4.3	93.4	0	+∞	Si
258	143242	8	153378	4.5	124.5	175.8	1837	122519	1	134995	3.9	93.4	0	+∞	Si
275	134041	8	148145	4.2	124.5	165.6	1837	111936	1	128380	3.6	93.4	0	+∞	Si
278	132491	8	132491	3.8	124.5	148.1	1837	110172	1	110172	3.1	93.4	0	+∞	Si
297	118643	8	118643	3.4	124.5	132.6	1837	94727	1	94727	2.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
23	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
40	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	1	0.003	1	9999	Si
59	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si
69	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.006	1	0.005	1	9999	Si
89	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	1	0.006	1	9999	Si
109	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.008	1	0.007	1	9999	Si
129	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	1	0.008	1	9999	Si
149	0.004	0.003	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	1	0.008	1	9999	Si
159	0.004	0.003	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	1	0.008	1	9999	Si
169	0.004	0.003	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	1	0.008	1	9999	Si
188	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	1	0.008	1	9999	Si
208	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	1	0.007	1	9999	Si
218	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	1	0.006	1	9999	Si
238	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	1	0.005	1	9999	Si
258	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
275	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
278	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1260	4567	9541	SLV 3	0.57	2474	1.666	31629	75700	970067	SLV 3	0.57	2474	1.666	Si
40	1125	4567	9541	SLV 3	0.57	2474	1.666	81536	243298	970067	SLV 3	0.57	2474	1.666	Si
59	969	4567	9541	SLV 3	0.57	2474	1.666	97762	315190	970067	SLV 3	0.57	2474	1.666	Si
69	891	4567	9541	SLV 3	0.57	2474	1.666	104713	351136	970067	SLV 3	0.57	2474	1.666	Si
89	735	4567	9541	SLV 3	0.57	2474	1.666	116292	423028	970067	SLV 3	0.57	2474	1.666	Si
109	578	4567	9541	SLV 3	0.57	2474	1.666	124774	494920	970067	SLV 3	0.57	2474	1.666	Si
129	422	4567	9541	SLV 3	0.57	2474	1.666	130158	566812	970067	SLV 3	0.53	1968	1.517	Si
149	266	4567	9541	SLV 3	0.57	2474	1.666	132444	638704	970067	SLV 3	0.47	1420	1.327	Si
169	110	4567	9541	SLV 3	0.57	2474	1.666	131632	710596	970067	SLV 3	0.43	1073	1.183	Si
188	-46	-4567	-9541	SLV 13	0.57	2474	1.666	127723	782488	970067	SLV 3	0.39	852	1.076	Si
208	-202	-4567	-9541	SLV 13	0.57	2474	1.666	120716	854380	1225834	SLV 3	0.47	1369	1.307	Si
218	-281	-4567	-9541	SLV 13	0.57	2474	1.666	116051	890326	1305180	SLV 3	0.48	1490	1.354	Si
238	-437	-4567	-9541	SLV 13	0.57	2474	1.666	104398	962218	1670371	SLV 3	0.57	2474	1.666	Si
258	-593	-4567	-9541	SLV 13	0.57	2474	1.666	98820	990963	1828550	SLV 3	0.57	2474	1.666	Si
275	-728	-4567	-10207	SLV 13	0.57	2474	1.666	98820	990963	1872544	SLV 3	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1260	1604	9541	SLD 3	0.6	2474	4.193	31629	33500	970067	SLD 3	0.6	2474	4.193	Si
40	1125	1604	9541	SLD 3	0.6	2474	4.193	81536	107668	970067	SLD 3	0.6	2474	4.193	Si
59	969	1604	9541	SLD 3	0.6	2474	4.193	97762	139482	970067	SLD 3	0.6	2474	4.193	Si
69	891	1604	9541	SLD 3	0.6	2474	4.193	104713	155390	970067	SLD 3	0.6	2474	4.193	Si
89	735	1604	9541	SLD 3	0.6	2474	4.193	116292	187204	970067	SLD 3	0.6	2474	4.193	Si
109	578	1604	9541	SLD 3	0.6	2474	4.193	124774	219019	970067	SLD 3	0.51	1793	3.674	Si
129	422	1604	9541	SLD 3	0.6	2474	4.193	130158	250834	970067	SLD 3	0.45	1228	3.146	Si
149	266	1604	9541	SLD 3	0.6	2474	4.193	132444	282648	970067	SLD 3	0.4	892	2.76	Si
169	110	1604	9541	SLD 3	0.6	2474	4.193	131632	314463	970067	SLD 3	0.36	690	2.484	Si
188	-46	-1604	-9541	SLD 13	0.6	2474	4.193	127723	346278	970067	SLD 3	0.33	552	2.267	Si
208	-202	-1604	-9541	SLD 13	0.6	2474	4.193	120716	378093	1225834	SLD 3	0.39	863	2.723	Si
218	-281	-1604	-9541	SLD 13	0.6	2474	4.193	116051	394000	1305180	SLD 3	0.41	933	2.811	Si
238	-437	-1604	-9541	SLD 13	0.6	2474	4.193	104398	425815	1670371	SLD 3	0.49	1576	3.485	Si
258	-593	-1604	-9541	SLD 13	0.6	2474	4.193	98820	438535	1828550	SLD 3	0.52	1899	3.762	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
275	-728	-1604	-10207	SLD 13	0.6	2474	4.193	98820	438535	1872544	SLD 3	0.53	2032	3.868	Si

Campata 2 tra i fili 26 - ?, sezione R 45x70, asta 1014

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	15.21	5.4	182760	SLU 35	182760	1872544	0.088						Si
23	19.01	5.4	15.21	5.4	237730	SLU 35	302003	1872544	0.088						Si
56	15.82	5.4	15.21	5.4	312267	SLU 35	366263	1872716	0.088						Si
113	11.4	5.4	15.21	5.4	409286	SLU 35	446517	1873055	0.09						Si
169	7.6	5.4	14.78	5.4	473817	SLU 35	494283	1823274	0.091						Si
225	7.6	5.4	11.4	5.4	505860	SLU 35	509698	1422093	0.084						Si
254	7.6	5.4	10.98	5.4	509698	SLU 35	509698	1371764	0.083						Si
282	7.6	5.4	7.6	5.4	505414	SLU 35	509698	970067	0.076						Si
310	7.6	5.4	7.6	5.4	493053	SLU 26	505552	970067	0.076						Si
366	7.6	5.4	7.6	5.4	444870	SLU 26	473665	970067	0.076						Si
423	7.6	5.4	7.6	5.4	364200	SLU 26	409759	970067	0.076						Si
479	7.6	5.4	7.6	5.4	251208	SLU 22	313365	970067	0.076						Si
535	7.6	5.4	7.6	5.4	106131	SLU 22	184926	970067	0.076	65051	SLU 11	-3093	-970067	0.076	Si
592	7.6	5.4	7.6	5.4	-55851	SLU 1	24338	970067	0.076	-87945	SLU 30	-192932	-970067	0.076	Si
648	14.99	5.4	7.6	5.4						-299011	SLU 30	-420763	-1847571	0.092	Si
676	15.21	5.4	7.6	5.4						-416727	SLU 30	-546861	-1873491	0.092	Si
732	22.81	5.4	7.6	5.4						-676561	SLU 36	-823870	-2772672	0.114	Si
789	27.22	5.4	7.6	5.4						-969641	SLU 36	-1133715	-3284333	0.143	Si
823	30.41	5.4	7.6	5.4						-1161930	SLU 36	-1161930	-3644736	0.167	Si
845	30.41	5.4	7.6	5.4						-1295209	SLU 36	-1227600	-3644736	0.167	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	15.21	5.4	1556965	SLV 15	1539490	1872544	0.088	-1301625	SLV 1	-1239966	-2323187	0.094	Si
23	19.01	5.4	15.21	5.4	1520520	SLV 15	1520520	1872544	0.088	-1179794	SLV 1	-1179794	-2323187	0.094	Si
56	15.82	5.4	15.21	5.4	1459471	SLV 15	1512804	1872716	0.088	-1002844	SLV 1	-1154001	-1945293	0.089	Si
113	11.4	5.4	15.21	5.4	1336989	SLV 15	1403217	1873055	0.09	-729056	SLV 1	-867316	-1422105	0.084	Si
169	7.6	5.4	14.78	5.4	1189522	SLV 15	1268643	1823274	0.091	-480266	SLV 1	-605626	-971212	0.079	Si
225	7.6	5.4	11.4	5.4	1017076	SLV 15	1109086	1422093	0.084	-256477	SLV 1	-368935	-970824	0.078	Si
254	7.6	5.4	10.98	5.4	921488	SLV 15	1019941	1371764	0.083	-153962	SLV 1	-259965	-970763	0.078	Si
282	7.6	5.4	7.6	5.4	819662	SLV 15	924554	970067	0.076	-57703	SLV 1	-157249	-970067	0.076	Si
310	7.6	5.4	7.6	5.4	711603	SLV 15	822927	970067	0.076	32293	SLV 1	-60790	-970067	0.076	Si
366	7.6	5.4	7.6	5.4	476882	SLV 15	600992	970067	0.076						Si
423	7.6	5.4	7.6	5.4	335762	SLV 3	391806	970067	0.076						Si
479	7.6	5.4	7.6	5.4	442102	SLV 1	489509	970067	0.076	-68988	SLV 15	-225711	-970067	0.076	Si
535	7.6	5.4	7.6	5.4	528200	SLV 1	562844	970067	0.076	-378643	SLV 15	-548396	-970067	0.076	Si
592	7.6	5.4	7.6	5.4	589492	SLV 1	611268	970067	0.076	-713475	SLV 15	-896152	-970067	0.076	Si
648	14.99	5.4	7.6	5.4	625837	SLV 1	634727	971232	0.079	-1073341	SLV 15	-1268924	-1847571	0.092	Si
676	15.21	5.4	7.6	5.4	634645	SLV 1	637208	971252	0.079	-1262653	SLV 15	-1464687	-1873491	0.092	Si
732	22.81	5.4	7.6	5.4	633526	SLV 1	637208	971715	0.08	-1660027	SLV 15	-1874961	-2772672	0.114	Si
789	27.22	5.4	7.6	5.4	607422	SLV 1	623916	971868	0.081	-2082398	SLV 15	-2310231	-3284333	0.143	Si
823	30.41	5.4	7.6	5.4	579232	SLV 1	603630	971955	0.081	-2348587	SLV 15	-2348587	-3644736	0.167	Si
845	30.41	5.4	7.6	5.4	556331	SLV 1	556331	971955	0.081	-2529764	SLV 15	-2438432	-3644736	0.167	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	15.21	5.4	760171	SLD 15	760171	1872544	0.088	-504832	SLD 1	-465230	-2323187	0.094	Si
23	19.01	5.4	15.21	5.4	767844	SLD 15	772565	1872544	0.088	-427117	SLD 1	-427117	-2323187	0.094	Si
56	15.82	5.4	15.21	5.4	773133	SLD 15	773133	1872716	0.088	-316506	SLD 1	-410665	-1945293	0.089	Si
113	11.4	5.4	15.21	5.4	761106	SLD 15	770336	1873055	0.09	-153173	SLD 1	-234435	-1422105	0.084	Si
169	7.6	5.4	14.78	5.4	724090	SLD 15	746215	1823274	0.091	-14834	SLD 1	-83198	-971212	0.079	Si
225	7.6	5.4	11.4	5.4	662088	SLD 15	697106	1422093	0.084						Si
254	7.6	5.4	10.98	5.4	621719	SLD 15	663183	1371764	0.083						Si
282	7.6	5.4	7.6	5.4	575106	SLD 15	623014	970067	0.076						Si
310	7.6	5.4	7.6	5.4	522252	SLD 15	576601	970067	0.076						Si
366	7.6	5.4	7.6	5.4	397862	SLD 15	465058	970067	0.076						Si
423	7.6	5.4	7.6	5.4	300966	SLD 3	328792	970067	0.076						Si
479	7.6	5.4	7.6	5.4	299645	SLD 1	302582	970067	0.076	73469	SLD 15	-26356	-970067	0.076	Si
535	7.6	5.4	7.6	5.4	275433	SLD 1	290931	970067	0.076	-125876	SLD 15	-238657	-970067	0.076	Si
592	7.6	5.4	7.6	5.4	226312	SLD 1	254680	970067	0.076	-350294	SLD 15	-475983	-970067	0.076	Si
648	14.99	5.4	7.6	5.4	152219	SLD 1	193476	971232	0.079	-599722	SLD 15	-738312	-1847571	0.092	Si
676	15.21	5.4	7.6	5.4	105804	SLD 1	153507	971252	0.079	-733811	SLD 15	-878850	-1873491	0.092	Si
732	22.81	5.4	7.6	5.4	-5766	SLD 1	54831	971715	0.08	-1020735	SLD 15	-1178672	-2772672	0.114	Si
789	27.22	5.4	7.6	5.4						-1332653	SLD 15	-1503487	-3284333	0.143	Si
823	30.41	5.4	7.6	5.4						-1532503	SLD 15	-1532503	-3644736	0.167	Si
845	30.41	5.4	7.6	5.4						-1669563	SLD 15	-1600288	-3644736	0.167	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	2627	SLU 19	2627	12021	76908	0	12021	1	Si
23	0.068	15.21	0	2396	SLU 19	2396	12021	76908	7878	12021	1	Si
56	0.068	15.21	0	2050	SLU 19	2050	12021	76908	7878	12021	1	Si
113	0.068	14.78	0	1473	SLU 19	1473	11908	76908	7878	11908	1	Si
169	0.068	11.4	0	897	SLU 19	897	10922	76908	7878	10922	1	Si
225	0.068	7.6	0	320	SLU 19	320	9541	76908	7878	9541	1	Si
254	0.068	7.6	0	31	SLU 19	31	9541	76908	7878	9541	1	Si
254	0.068	7.6	0	-24	SLU 18	-24	-9541	-76908	-7878	-9541	1	Si
310	0.068	7.6	0	-589	SLU 36	-589	-9541	-76908	-7878	-9541	1	Si
366	0.068	7.6	0	-1166	SLU 36	-1166	-9541	-76908	-7878	-9541	1	Si
423	0.068	7.6	0	-1742	SLU 36	-1742	-9541	-76908	-7878	-9541	1	Si
479	0.068	7.6	0	-2319	SLU 36	-2319	-9541	-76908	-7878	-9541	1	Si
535	0.068	7.6	0	-2896	SLU 36	-2896	-9541	-76908	-7878	-9541	1	Si
592	0.068	7.6	0	-3472	SLU 36	-3472	-9541	-76908	-7878	-9541	1	Si
648	0.068	7.6	0	-4049	SLU 36	-4049	-9541	-76908	-7878	-9541	1	Si
676	0.068	12.33	0	-4338	SLU 36	-4338	-11210	-76908	-7878	-11210	1	Si
732	0.068	15.21	0	-4914	SLU 36	-4914	-12021	-76908	-7878	-12021	1	Si
789	0.068	22.81	0	-5491	SLU 36	-5491	-13761	-76908	-7878	-13761	1	Si
823	0.068	22.81	0	-5837	SLU 36	-5837	-13761	-76908	-7878	-13761	1	Si
845	0	27.22	0	-6068	SLU 36	-6068	-14596	-76908	0	-14596	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.82	0	5526	SLV 1	6440	12180	76908	0	12180	1	Si
0	0	15.21	0	-1509	SLV 15	-2424	-12021	-76908	0	-12021	1	Si
23	0.068	11.4	0	5349	SLV 1	6263	10922	76908	7878	10922	1	Si
23	0.068	15.21	0	-1686	SLV 15	-2601	-12021	-76908	-7878	-12021	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
56	0.068	11.4	0	5082	SLV 1	5997	10922	76908	7878	10922	1	Si
56	0.068	15.21	0	-1953	SLV 15	-2867	-12021	-76908	-7878	-12021	1	Si
113	0.068	7.6	0	4639	SLV 1	5553	9541	76908	7878	9541	1	Si
113	0.068	14.78	0	-2396	SLV 15	-3311	-11908	-76908	-7878	-11908	1	Si
169	0.068	7.6	0	4195	SLV 1	5109	9541	76908	7878	9541	1	Si
169	0.068	11.4	0	-2840	SLV 15	-3754	-10922	-76908	-7878	-10922	1	Si
225	0.068	7.6	0	3751	SLV 1	4666	9541	76908	7878	9541	1	Si
225	0.068	7.6	0	-3284	SLV 15	-4198	-9541	-76908	-7878	-9541	1	Si
254	0.068	7.6	0	3529	SLV 1	4444	9541	76908	7878	9541	1	Si
254	0.068	7.6	0	-3505	SLV 15	-4420	-9541	-76908	-7878	-9541	1	Si
310	0.068	7.6	0	3086	SLV 1	4000	9541	76908	7878	9541	1	Si
310	0.068	7.6	0	-3949	SLV 15	-4863	-9541	-76908	-7878	-9541	1	Si
366	0.068	7.6	0	2642	SLV 1	3557	9541	76908	7878	9541	1	Si
366	0.068	7.6	0	-4393	SLV 15	-5307	-9541	-76908	-7878	-9541	1	Si
423	0.068	7.6	0	2199	SLV 1	3113	9541	76908	7878	9541	1	Si
423	0.068	7.6	0	-4836	SLV 15	-5751	-9541	-76908	-7878	-9541	1	Si
479	0.068	7.6	0	1755	SLV 1	2670	9541	76908	7878	9541	1	Si
479	0.068	7.6	0	-5280	SLV 15	-6194	-9541	-76908	-7878	-9541	1	Si
535	0.068	7.6	0	1311	SLV 1	2226	9541	76908	7878	9541	1	Si
535	0.068	7.6	0	-5723	SLV 15	-6638	-9541	-76908	-7878	-9541	1	Si
592	0.068	7.6	0	868	SLV 1	1782	9541	76908	7878	9541	1	Si
592	0.068	7.6	0	-6167	SLV 15	-7082	-9541	-76908	-7878	-9541	1	Si
648	0.068	7.6	0	424	SLV 1	1339	9541	76908	7878	9541	1	Si
648	0.068	7.6	0	-6611	SLV 15	-7525	-9541	-76908	-7878	-9541	1	Si
676	0.068	7.6	0	202	SLV 1	1117	9541	76908	7878	9541	1	Si
676	0.068	12.33	0	-6833	SLV 15	-7747	-11210	-76908	-7878	-11210	1	Si
732	0.068	7.6	0	-241	SLV 1	673	9541	76908	7878	9541	1	Si
732	0.068	15.21	0	-7276	SLV 15	-8191	-12021	-76908	-7878	-12021	1	Si
789	0.068	7.6	0	-685	SLV 1	230	9541	76908	7878	9541	1	Si
789	0.068	22.81	0	-7720	SLV 15	-8634	-13761	-76908	-7878	-13761	1	Si
823	0.068	22.81	0	-7986	SLV 15	-8901	-13761	-76908	-7878	-13761	1	Si
845	0	27.22	0	-8163	SLV 15	-9078	-14596	-76908	0	-14596	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.82	0	3565	SLD 1	3565	12180	76908	0	12180	1	Si
23	0.068	11.4	0	3388	SLD 1	3388	10922	76908	7878	10922	1	Si
56	0.068	11.4	0	3121	SLD 1	3121	10922	76908	7878	10922	1	Si
113	0.068	7.6	0	2678	SLD 1	2678	9541	76908	7878	9541	1	Si
113	0.068	14.78	0	-435	SLD 15	-435	-11908	-76908	-7878	-11908	1	Si
169	0.068	7.6	0	2234	SLD 1	2234	9541	76908	7878	9541	1	Si
169	0.068	11.4	0	-879	SLD 15	-879	-10922	-76908	-7878	-10922	1	Si
225	0.068	7.6	0	1790	SLD 1	1790	9541	76908	7878	9541	1	Si
225	0.068	7.6	0	-1323	SLD 15	-1323	-9541	-76908	-7878	-9541	1	Si
254	0.068	7.6	0	1569	SLD 1	1569	9541	76908	7878	9541	1	Si
254	0.068	7.6	0	-1544	SLD 15	-1544	-9541	-76908	-7878	-9541	1	Si
310	0.068	7.6	0	1125	SLD 1	1125	9541	76908	7878	9541	1	Si
310	0.068	7.6	0	-1988	SLD 15	-1988	-9541	-76908	-7878	-9541	1	Si
366	0.068	7.6	0	681	SLD 1	681	9541	76908	7878	9541	1	Si
366	0.068	7.6	0	-2432	SLD 15	-2432	-9541	-76908	-7878	-9541	1	Si
423	0.068	7.6	0	238	SLD 1	238	9541	76908	7878	9541	1	Si
423	0.068	7.6	0	-2875	SLD 15	-2875	-9541	-76908	-7878	-9541	1	Si
479	0.068	7.6	0	-3319	SLD 15	-3319	-9541	-76908	-7878	-9541	1	Si
535	0.068	7.6	0	-3763	SLD 15	-3763	-9541	-76908	-7878	-9541	1	Si
592	0.068	7.6	0	-4206	SLD 15	-4206	-9541	-76908	-7878	-9541	1	Si
648	0.068	7.6	0	-4650	SLD 15	-4650	-9541	-76908	-7878	-9541	1	Si
676	0.068	12.33	0	-4872	SLD 15	-4872	-11210	-76908	-7878	-11210	1	Si
732	0.068	15.21	0	-5315	SLD 15	-5315	-12021	-76908	-7878	-12021	1	Si
789	0.068	22.81	0	-5759	SLD 15	-5759	-13761	-76908	-7878	-13761	1	Si
823	0.068	22.81	0	-6025	SLD 15	-6025	-13761	-76908	-7878	-13761	1	Si
845	0	27.22	0	-6203	SLD 15	-6203	-14596	-76908	0	-14596	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	138263	8	138263	3.9	124.5	154.5	1837	130928	1	130928	3.7	93.4	0	+∞	Si
23	180685	8	230304	6.5	124.5	257.4	1837	173676	1	223716	6.3	93.4	0	+∞	Si
56	238228	8	279941	8.2	124.5	313.6	1837	231710	1	273844	8.1	93.4	0	+∞	Si
113	313202	8	342019	10.7	124.5	384.6	1837	307500	1	336739	10.5	93.4	0	+∞	Si
169	363186	8	379107	12.6	124.5	439.8	1837	358300	1	374642	12.4	93.4	0	+∞	Si
225	388178	8	391303	14.2	124.5	582.6	1837	384109	1	387642	14.1	93.4	0	+∞	Si
254	391303	8	391303	14.4	124.5	604.3	1837	387642	1	387642	14.3	93.4	0	+∞	Si
310	378809	8	388280	9.1	124.5	137.2	1837	375965	1	385014	16.3	93.4	0	+∞	Si
366	341325	8	363692	8.6	124.5	128.5	1837	339297	1	361242	15.3	93.4	0	+∞	Si
423	278849	8	314113	7.4	124.5	111	1837	277638	1	312480	13.2	93.4	0	+∞	Si
479	191494	4	239542	5.6	124.5	84.6	1837	190988	1	238726	10.1	93.4	0	+∞	Si
535	79417	4	140277	3.3	124.5	49.6	1837	79347	1	139981	5.9	93.4	0	+∞	Si
592	-65312	3	-145923	3.4	124.5	51.6	1837	-61991	2	-142442	6	93.4	0	+∞	Si
648	-227383	3	-320890	10.6	124.5	367.4	1837	-223752	2	-317098	10.4	93.4	0	+∞	Si
676	-317790	3	-417745	13.7	124.5	471.7	1837	-314004	2	-413798	13.6	93.4	0	+∞	Si
732	-517371	9	-630495	18.1	124.5	483.3	1837	-513250	2	-625941	17.9	93.4	0	+∞	Si
789	-742448	9	-868468	23.6	124.5	562.8	1837	-737488	2	-863075	23.4	93.4	0	+∞	Si
823	-890141	9	-890141	23.4	124.5	519.3	1837	-884677	2	-884677	23.2	93.4	0	+∞	Si
845	-992516	9	-940583	24.7	124.5	548.8	1837	-986717	2	-934951	24.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	1	0.013	1	9999	Si
56	0.015	0.014	0.013	0.012	0.014	0.014	0.013	0.012	0.014	0.014	0.033	1	0.032	1	9999	Si
113	0.027	0.026	0.024	0.023	0.027	0.026	0.024	0.023	0.027	0.026	0.061	1	0.06	1	9999	Si
169	0.037	0.035	0.033	0.031	0.036	0.036	0.032	0.032	0.036	0.036	0.084	1	0.083	1	9999	Si
225	0.043	0.042	0.039	0.037	0.043	0.042	0.038	0.038	0.043	0.042	0.1	1	0.098	1	8448	Si
254	0.045	0.044	0.041	0.039	0.045	0.044	0.04	0.039	0.045	0.044	0.105	1	0.103	1	8035	Si
310	0.047	0.045	0.042	0.04	0.047	0.045	0.042	0.041	0.047	0.046	0.11	1	0.107	1	7715	Si
366	0.045	0.043	0.04	0.039	0.045	0.044	0.04	0.039	0.045	0.044	0.106	1	0.104	1	7966	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
423	0.041	0.039	0.036	0.034	0.04	0.039	0.036	0.035	0.04	0.039	0.096	1	0.093	1	8842	Si
479	0.033	0.032	0.03	0.028	0.033	0.032	0.03	0.029	0.033	0.032	0.079	1	0.077	1	9999	Si
535	0.025	0.023	0.022	0.02	0.025	0.023	0.022	0.021	0.025	0.024	0.059	1	0.057	1	9999	Si
592	0.015	0.014	0.013	0.012	0.015	0.014	0.013	0.012	0.015	0.014	0.037	1	0.035	1	9999	Si
648	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.017	1	0.015	1	9999	Si
676	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.002	0.008	1	0.006	1	9999	Si
732	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.005	1	-0.006	1	9999	Si
789	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.009	1	-0.01	1	9999	Si
823	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1831	4432	10922	SLV 1	0.57	2474	1.666	170363	1350157	1872544	SLV 15	0.45	1279	1.271	Si
56	1565	4432	10922	SLV 1	0.57	2474	1.666	179401	1333403	1872716	SLV 15	0.46	1304	1.282	Si
113	1121	4432	9541	SLV 1	0.57	2474	1.666	267950	1135267	1873055	SLV 15	0.51	1736	1.441	Si
169	678	4432	9541	SLV 1	0.57	2474	1.666	331509	-937135	-971212	SLV 1	0.5	1659	1.415	Si
225	234	4432	9541	SLV 1	0.57	2474	1.666	370076	739010	1422093	SLV 15	0.51	1768	1.452	Si
254	12	4432	9541	SLV 1	0.57	2474	1.666	379988	639953	1371764	SLV 15	0.55	2219	1.594	Si
310	-432	-4432	-9541	SLV 15	0.57	2474	1.666	381069	441859	970067	SLV 15	0.48	1483	1.351	Si
366	-875	-4432	-9541	SLV 15	0.57	2474	1.666	357159	243833	970067	SLV 15	0.57	2474	1.666	Si
423	-1319	-4432	-9541	SLV 15	0.57	2474	1.666	231583	160223	970067	SLV 1	0.57	2474	1.666	Si
479	-1762	-4432	-9541	SLV 15	0.57	2474	1.666	131899	357610	970067	SLV 1	0.57	2474	1.666	Si
535	-2206	-4432	-9541	SLV 15	0.57	2474	1.666	7224	555620	970067	SLV 1	0.57	2474	1.666	Si
592	-2650	-4432	-9541	SLV 15	0.55	2238	1.599	-142442	-753710	-970067	SLV 15	0.4	894	1.098	Si
648	-3093	-4432	-9541	SLV 15	0.52	1873	1.487	-317098	951826	971232	SLV 1	0.49	1544	1.373	Si
676	-3315	-4432	-11210	SLV 15	0.57	2474	1.666	-410503	1047712	971252	SLV 1	0.47	1441	1.335	Si
732	-3759	-4432	-12021	SLV 15	0.57	2474	1.666	-625941	1249020	971715	SLV 1	0.46	1329	1.292	Si
789	-4202	-4432	-13761	SLV 15	0.57	2474	1.666	-863075	1447156	971868	SLV 1	0.46	1299	1.28	Si
823	-4469	-4432	-13761	SLV 15	0.57	2474	1.666	-884677	1463910	971955	SLV 1	0.46	1299	1.28	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1831	1557	10922	SLD 1	0.6	2474	4.193	170363	597481	1872544	SLD 15	0.38	810	2.653	Si
56	1565	1557	10922	SLD 1	0.6	2474	4.193	179401	590067	1872716	SLD 15	0.39	825	2.673	Si
113	1121	1557	9541	SLD 1	0.6	2474	4.193	267950	502385	1873055	SLD 15	0.43	1083	2.988	Si
169	678	1557	9541	SLD 1	0.6	2474	4.193	331509	-414706	-971212	SLD 1	0.42	1035	2.933	Si
225	234	1557	9541	SLD 1	0.6	2474	4.193	370076	327030	1422093	SLD 15	0.43	1104	3.012	Si
254	12	1557	9541	SLD 1	0.6	2474	4.193	379988	283195	1371764	SLD 15	0.47	1383	3.303	Si
310	-432	-1557	-9541	SLD 15	0.6	2474	4.193	381069	195532	970067	SLD 15	0.4	929	2.806	Si
366	-875	-1557	-9541	SLD 15	0.6	2474	4.193	357159	107899	970067	SLD 15	0.6	2474	4.193	Si
423	-1319	-1557	-9541	SLD 15	0.6	2474	4.193	233075	69508	970067	SLD 1	0.6	2474	4.193	Si
479	-1762	-1557	-9541	SLD 15	0.6	2474	4.193	131899	158255	970067	SLD 1	0.6	2474	4.193	Si
535	-2206	-1557	-9541	SLD 15	0.6	2474	4.193	7224	245881	970067	SLD 1	0.52	1864	3.733	Si
592	-2650	-1557	-9541	SLD 15	0.58	2474	4.193	-142442	-333541	-970067	SLD 15	0.34	580	2.313	Si
648	-3093	-1557	-9541	SLD 15	0.55	2166	3.97	-317098	421213	971232	SLD 1	0.41	964	2.849	Si
676	-3315	-1557	-11210	SLD 15	0.6	2474	4.193	-413798	465052	971252	SLD 1	0.4	904	2.775	Si
732	-3759	-1557	-12021	SLD 15	0.6	2474	4.193	-625941	552730	971715	SLD 1	0.39	840	2.693	Si
789	-4202	-1557	-13761	SLD 15	0.6	2474	4.193	-863075	640411	971868	SLD 1	0.39	822	2.669	Si
823	-4469	-1557	-13761	SLD 15	0.6	2474	4.193	-884677	647825	971955	SLD 1	0.39	823	2.67	Si

Campata 3 tra i fili ? - 28, sezione R 45x70, asta 1013

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	7.6	5.4						-688708	SLU 20	-641848	-3644736	0.167	Si
23	30.41	5.4	7.6	5.4						-596773	SLU 20	-596773	-3644736	0.167	Si
59	25.63	5.4	7.6	5.4						-456545	SLU 20	-566545	-3101637	0.132	Si
118	15.21	5.4	7.6	5.4						-260082	SLU 19	-352460	-1873491	0.092	Si
177	7.6	5.4	7.6	5.4						-99430	SLU 19	-174196	-970067	0.076	Si
206	7.6	5.4	7.6	5.4	-18044	SLU 18	31116	970067	0.076	-32468	SLU 19	-98454	-970067	0.076	Si
265	7.6	5.4	7.6	5.4	81250	SLU 36	121038	970067	0.076						Si
324	7.6	5.4	7.6	5.4	153094	SLU 36	175324	970067	0.076						Si
383	7.6	5.4	7.6	5.4	189302	SLU 36	193973	970067	0.076						Si
442	7.6	5.4	7.6	5.4	189873	SLU 36	193981	970067	0.076						Si
501	7.6	5.4	7.6	5.4	154807	SLU 36	176474	970067	0.076						Si
560	7.6	5.4	7.6	5.4	84105	SLU 36	123330	970067	0.076						Si
619	7.6	5.4	7.6	5.4	-14297	SLU 18	34550	970067	0.076	-30462	SLU 19	-96166	-970067	0.076	Si
649	7.6	5.4	7.6	5.4						-97138	SLU 19	-171621	-970067	0.076	Si
708	15.21	5.4	7.6	5.4						-257217	SLU 19	-349259	-1873491	0.092	Si
767	15.21	5.4	7.6	5.4						-452932	SLU 19	-562533	-1873491	0.092	Si
796	15.21	5.4	7.6	5.4						-564154	SLU 19	-682534	-1873491	0.092	Si
826	19.37	5.4	7.6	5.4						-684285	SLU 19	-811444	-2366502	0.103	Si
862	22.81	5.4	7.6	5.4						-846058	SLU 19	-846058	-2772675	0.114	Si
885	22.81	5.4	7.6	5.4						-951274	SLU 19	-897773	-2772675	0.114	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	7.6	5.4	712870	SLV 13	712870	971955	0.081	-1769663	SLV 3	-1701390	-3644736	0.167	Si
23	30.41	5.4	7.6	5.4	718993	SLV 13	721791	971955	0.081	-1634368	SLV 3	-1634368	-3644736	0.167	Si
59	25.63	5.4	7.6	5.4	722092	SLV 13	722092	971822	0.081	-1421760	SLV 3	-1589790	-3101637	0.132	Si
118	15.21	5.4	7.6	5.4	703986	SLV 13	716271	971252	0.079	-1101356	SLV 3	-1255834	-1873491	0.092	Si
177	7.6	5.4	7.6	5.4	658588	SLV 13	684315	970067	0.076	-808485	SLV 3	-949391	-970067	0.076	Si
206	7.6	5.4	7.6	5.4	625671	SLV 13	658108	970067	0.076	-672391	SLV 3	-806501	-970067	0.076	Si
265	7.6	5.4	7.6	5.4	539457	SLV 13	585278	970067	0.076	-420943	SLV 3	-541423	-970067	0.076	Si
324	7.6	5.4	7.6	5.4	426216	SLV 13	485324	970067	0.076	-197292	SLV 3	-304047	-970067	0.076	Si
383	7.6	5.4	7.6	5.4	286565	SLV 13	358526	970067	0.076	-2058	SLV 3	-94652	-970067	0.076	Si
442	7.6	5.4	7.6	5.4	210083	SLV 5	272326	970067	0.076	75181	SLV 11	-6949	-970067	0.076	Si
501	7.6	5.4	7.6	5.4	338147	SLV 1	395851	970067	0.076	-106952	SLV 15	-211556	-970067	0.076	Si
560	7.6	5.4	7.6	5.4	448793	SLV 1	493685	970067	0.076	-326492	SLV 15	-445297	-970067	0.076	Si
619	7.6	5.4	7.6	5.4	533332	SLV 1	565234	970067	0.076	-574751	SLV 15	-707579	-970067	0.076	Si
649	7.6	5.4	7.6	5.4	565705	SLV 1	591057	970067	0.076	-709544	SLV 15	-849329	-970067	0.076	Si
708	15.21	5.4	7.6	5.4	610478	SLV 1	622631	971252	0.079	-1000275	SLV 15	-1153875	-1873491	0.092	Si
767	15.21	5.4	7.6	5.4	628406	SLV 1	628406	971252	0.079	-1318988	SLV 15	-1486301	-1873491	0.092	Si
826	19.37	5.4	7.6	5.4	619300	SLV 1	627126	971540	0.08	-1665492	SLV 15	-1846448	-2366502	0.103	Si
862	22.81	5.4	7.6	5.4	599459	SLV 1	615590	971715	0.08	-1894337	SLV 15	-1894337	-2772675	0.114	Si
885	22.81	5.4	7.6	5.4	583034	SLV 1	583034	971715	0.08	-2039663	SLV 15	-1964914	-2772675	0.114	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	7.6	5.4	20903	SLD 13	20903	971955	0.081	-1077696	SLD 3	-1027391	-3644736	0.167	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
23	30.41	5.4	7.6	5.4	63031	SLD 13	112339	971955	0.081	-978405	SLD 3	-978405	-3644736	0.167	Si
59	25.63	5.4	7.6	5.4	124526	SLD 13	165466	971822	0.081	-824195	SLD 3	-945717	-3101637	0.132	Si
118	15.21	5.4	7.6	5.4	200775	SLD 13	228232	971252	0.079	-598145	SLD 3	-706140	-1873491	0.092	Si
177	7.6	5.4	7.6	5.4	249664	SLD 13	263649	970067	0.076	-399561	SLD 3	-494021	-970067	0.076	Si
206	7.6	5.4	7.6	5.4	263856	SLD 13	271112	970067	0.076	-310576	SLD 3	-398264	-970067	0.076	Si
265	7.6	5.4	7.6	5.4	271760	SLD 13	271760	970067	0.076	-153245	SLD 3	-227372	-970067	0.076	Si
324	7.6	5.4	7.6	5.4	252422	SLD 13	265298	970067	0.076	-23498	SLD 3	-84021	-970067	0.076	Si
383	7.6	5.4	7.6	5.4	206114	SLD 13	232208	970067	0.076						Si
442	7.6	5.4	7.6	5.4	172481	SLD 5	194483	970067	0.076						Si
501	7.6	5.4	7.6	5.4	214084	SLD 1	226547	970067	0.076	17111	SLD 15	-42252	-970067	0.076	Si
560	7.6	5.4	7.6	5.4	232695	SLD 1	232695	970067	0.076	-110394	SLD 15	-183572	-970067	0.076	Si
619	7.6	5.4	7.6	5.4	224472	SLD 1	231839	970067	0.076	-265891	SLD 15	-352804	-970067	0.076	Si
649	7.6	5.4	7.6	5.4	210251	SLD 1	224265	970067	0.076	-354089	SLD 15	-447845	-970067	0.076	Si
708	15.21	5.4	7.6	5.4	161506	SLD 1	188862	971252	0.079	-551304	SLD 15	-658703	-1873491	0.092	Si
767	15.21	5.4	7.6	5.4	85602	SLD 1	126352	971252	0.079	-776183	SLD 15	-897180	-1873491	0.092	Si
796	15.21	5.4	7.6	5.4	37436	SLD 1	84899	971252	0.079	-898970	SLD 15	-1026753	-1873491	0.092	Si
826	19.37	5.4	7.6	5.4	-17549	SLD 1	36635	971540	0.08	-1028643	SLD 15	-1163207	-2366502	0.103	Si
862	22.81	5.4	7.6	5.4						-1199232	SLD 15	-1199232	-2772675	0.114	Si
885	22.81	5.4	7.6	5.4						-1308628	SLD 15	-1252624	-2772675	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	25.63	0	4239	SLU 29	4239	14306	76908	0	14306	1	Si
23	0.068	18.69	0	4009	SLU 29	4009	12876	76908	7920	12876	1	Si
59	0.068	15.21	0	3635	SLU 29	3635	12021	76908	7920	12021	1	Si
118	0.068	7.6	0	3031	SLU 29	3031	9541	76908	7920	9541	1	Si
177	0.068	7.6	0	2427	SLU 29	2427	9541	76908	7920	9541	1	Si
206	0.068	7.6	0	2125	SLU 29	2125	9541	76908	7920	9541	1	Si
265	0.068	7.6	0	1521	SLU 29	1521	9541	76908	7920	9541	1	Si
324	0.068	7.6	0	917	SLU 29	917	9541	76908	7920	9541	1	Si
383	0.068	7.6	0	313	SLU 29	313	9541	76908	7920	9541	1	Si
442	0.068	7.6	0	-297	SLU 22	-297	-9541	-76908	-7920	-9541	1	Si
501	0.068	7.6	0	-901	SLU 22	-901	-9541	-76908	-7920	-9541	1	Si
560	0.068	7.6	0	-1505	SLU 22	-1505	-9541	-76908	-7920	-9541	1	Si
619	0.068	7.6	0	-2109	SLU 22	-2109	-9541	-76908	-7920	-9541	1	Si
649	0.068	7.6	0	-2412	SLU 22	-2412	-9541	-76908	-7920	-9541	1	Si
708	0.068	7.6	0	-3016	SLU 22	-3016	-9541	-76908	-7920	-9541	1	Si
767	0.068	15.21	0	-3620	SLU 22	-3620	-12021	-76908	-7920	-12021	1	Si
826	0.068	15.21	0	-4224	SLU 22	-4224	-12021	-76908	-7920	-12021	1	Si
862	0.068	15.21	0	-4597	SLU 22	-4597	-12021	-76908	-7920	-12021	1	Si
885	0	19.37	0	-4828	SLU 22	-4828	-13031	-76908	0	-13031	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	25.63	0	6135	SLV 3	6883	14306	76908	0	14306	1	Si
0	0	7.6	0	383	SLV 13	-365	-9541	-76908	0	-9541	1	Si
23	0.068	18.69	0	5958	SLV 3	6705	12876	76908	7920	12876	1	Si
23	0.068	7.6	0	206	SLV 13	-542	-9541	-76908	-7920	-9541	1	Si
59	0.068	15.21	0	5670	SLV 3	6418	12021	76908	7920	12021	1	Si
59	0.068	7.6	0	-82	SLV 13	-830	-9541	-76908	-7920	-9541	1	Si
118	0.068	7.6	0	5206	SLV 3	5953	9541	76908	7920	9541	1	Si
118	0.068	7.6	0	-546	SLV 13	-1294	-9541	-76908	-7920	-9541	1	Si
177	0.068	7.6	0	4741	SLV 3	5489	9541	76908	7920	9541	1	Si
177	0.068	7.6	0	-1011	SLV 13	-1759	-9541	-76908	-7920	-9541	1	Si
206	0.068	7.6	0	4509	SLV 3	5256	9541	76908	7920	9541	1	Si
206	0.068	7.6	0	-1243	SLV 13	-1991	-9541	-76908	-7920	-9541	1	Si
265	0.068	7.6	0	4044	SLV 3	4792	9541	76908	7920	9541	1	Si
265	0.068	7.6	0	-1708	SLV 13	-2456	-9541	-76908	-7920	-9541	1	Si
324	0.068	7.6	0	3579	SLV 3	4327	9541	76908	7920	9541	1	Si
324	0.068	7.6	0	-2173	SLV 13	-2920	-9541	-76908	-7920	-9541	1	Si
383	0.068	7.6	0	3115	SLV 3	3862	9541	76908	7920	9541	1	Si
383	0.068	7.6	0	-2637	SLV 13	-3385	-9541	-76908	-7920	-9541	1	Si
442	0.068	7.6	0	2650	SLV 3	3398	9541	76908	7920	9541	1	Si
442	0.068	7.6	0	-3102	SLV 13	-3850	-9541	-76908	-7920	-9541	1	Si
501	0.068	7.6	0	2185	SLV 3	2933	9541	76908	7920	9541	1	Si
501	0.068	7.6	0	-3567	SLV 13	-4314	-9541	-76908	-7920	-9541	1	Si
560	0.068	7.6	0	1721	SLV 3	2469	9541	76908	7920	9541	1	Si
560	0.068	7.6	0	-4031	SLV 13	-4779	-9541	-76908	-7920	-9541	1	Si
619	0.068	7.6	0	1256	SLV 3	2004	9541	76908	7920	9541	1	Si
619	0.068	7.6	0	-4496	SLV 13	-5244	-9541	-76908	-7920	-9541	1	Si
649	0.068	7.6	0	1024	SLV 3	1772	9541	76908	7920	9541	1	Si
649	0.068	7.6	0	-4728	SLV 13	-5476	-9541	-76908	-7920	-9541	1	Si
708	0.068	7.6	0	559	SLV 3	1307	9541	76908	7920	9541	1	Si
708	0.068	7.6	0	-5193	SLV 13	-5940	-9541	-76908	-7920	-9541	1	Si
767	0.068	7.6	0	95	SLV 3	842	9541	76908	7920	9541	1	Si
767	0.068	15.21	0	-5657	SLV 13	-6405	-12021	-76908	-7920	-12021	1	Si
826	0.068	7.6	0	-370	SLV 3	378	9541	76908	7920	9541	1	Si
826	0.068	15.21	0	-6122	SLV 13	-6870	-12021	-76908	-7920	-12021	1	Si
862	0.068	7.6	0	-657	SLV 3	90	9541	76908	7920	9541	1	Si
862	0.068	15.21	0	-6409	SLV 13	-7157	-12021	-76908	-7920	-12021	1	Si
885	0	19.37	0	-6587	SLV 13	-7334	-13031	-76908	0	-13031	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	25.63	0	4532	SLD 3	4532	14306	76908	0	14306	1	Si
23	0.068	18.69	0	4354	SLD 3	4354	12876	76908	7920	12876	1	Si
59	0.068	15.21	0	4067	SLD 3	4067	12021	76908	7920	12021	1	Si
118	0.068	7.6	0	3602	SLD 3	3602	9541	76908	7920	9541	1	Si
177	0.068	7.6	0	3138	SLD 3	3138	9541	76908	7920	9541	1	Si
206	0.068	7.6	0	2905	SLD 3	2905	9541	76908	7920	9541	1	Si
265	0.068	7.6	0	2441	SLD 3	2441	9541	76908	7920	9541	1	Si
265	0.068	7.6	0	-105	SLD 13	-105	-9541	-76908	-7920	-9541	1	Si
324	0.068	7.6	0	1976	SLD 3	1976	9541	76908	7920	9541	1	Si
324	0.068	7.6	0	-569	SLD 13	-569	-9541	-76908	-7920	-9541	1	Si
383	0.068	7.6	0	1511	SLD 3	1511	9541	76908	7920	9541	1	Si
383	0.068	7.6	0	-1034	SLD 13	-1034	-9541	-76908	-7920	-9541	1	Si
442	0.068	7.6	0	1047	SLD 3	1047	9541	76908	7920	9541	1	Si
442	0.068	7.6	0	-1499	SLD 13	-1499	-9541	-76908	-7920	-9541	1	Si
501	0.068	7.6	0	582	SLD 3	582	9541	76908	7920	9541	1	Si
501	0.068	7.6	0	-1963	SLD 13	-1963	-9541	-76908	-7920	-9541	1	Si
560	0.068	7.6	0	118	SLD 3	118	9541	76908	7920	9541	1	Si
560	0.068	7.6	0	-2428	SLD 13	-2428	-9541	-76908	-7920	-9541	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
619	0.068	7.6	0	-2892	SLD 13	-2892	-9541	-76908	-7920	-9541	1	Si
649	0.068	7.6	0	-3125	SLD 13	-3125	-9541	-76908	-7920	-9541	1	Si
708	0.068	7.6	0	-3589	SLD 13	-3589	-9541	-76908	-7920	-9541	1	Si
767	0.068	15.21	0	-4054	SLD 13	-4054	-12021	-76908	-7920	-12021	1	Si
826	0.068	15.21	0	-4519	SLD 13	-4519	-12021	-76908	-7920	-12021	1	Si
862	0.068	15.21	0	-4806	SLD 13	-4806	-12021	-76908	-7920	-12021	1	Si
885	0	19.37	0	-4983	SLD 13	-4983	-13031	-76908	0	-13031	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-528506	2	-492453	12.9	124.5	287.3	1837	-528397	2	-492355	12.9	93.4	0	+∞	Si
23	-457773	2	-457773	12	124.5	267.1	1837	-457687	2	-457687	12	93.4	0	+∞	Si
59	-349881	2	-434515	12	124.5	298.1	1837	-349834	2	-434437	12	93.4	0	+∞	Si
118	-198710	1	-269796	8.8	124.5	304.6	1837	-198710	1	-269781	8.8	93.4	0	+∞	Si
177	-75069	1	-132612	3.1	124.5	46.8	1837	-75069	1	-132612	5.6	93.4	0	+∞	Si
206	-23528	1	-74317	1.8	124.5	26.3	1837	-23528	1	-74317	3.1	93.4	0	+∞	Si
265	61509	9	92094	2.2	124.5	32.5	1837	59257	2	89834	3.8	93.4	0	+∞	Si
324	116731	9	133810	3.2	124.5	47.3	1837	114462	2	131532	5.6	93.4	0	+∞	Si
383	144540	9	148112	3.5	124.5	52.3	1837	142253	2	145816	6.2	93.4	0	+∞	Si
442	144937	9	148118	3.5	124.5	52.3	1837	142632	2	145822	6.2	93.4	0	+∞	Si
501	117921	9	134609	3.2	124.5	47.6	1837	115598	2	132294	5.6	93.4	0	+∞	Si
560	63491	9	93686	2.2	124.5	33.1	1837	61150	2	91354	3.9	93.4	0	+∞	Si
619	-21542	1	-72052	1.7	124.5	25.5	1837	-21542	1	-72052	3	93.4	0	+∞	Si
649	-72800	1	-130063	3.1	124.5	45.9	1837	-72800	1	-130063	5.5	93.4	0	+∞	Si
708	-195874	1	-266644	8.7	124.5	301.1	1837	-195874	1	-266644	8.7	93.4	0	+∞	Si
767	-346361	1	-430638	14.1	124.5	486.2	1837	-346361	1	-430638	14.1	93.4	0	+∞	Si
826	-524261	1	-622045	18.8	124.5	557.2	1837	-524261	1	-622045	18.8	93.4	0	+∞	Si
862	-648663	1	-648663	18.6	124.5	497.2	1837	-648663	1	-648663	18.6	93.4	0	+∞	Si
885	-729574	1	-688432	19.7	124.5	527.7	1837	-729574	1	-688432	19.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
59	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
118	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
177	0	-0.001	-0.001	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
206	0.001	0	0	-0.001	0.001	0	0	-0.001	0.001	0	0	2	0	2	9999	Si
265	0.004	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
324	0.006	0.005	0.004	0.003	0.005	0.005	0.004	0.003	0.005	0.005	0.011	2	0.011	2	9999	Si
383	0.007	0.006	0.005	0.004	0.006	0.006	0.004	0.004	0.006	0.006	0.013	2	0.013	2	9999	Si
442	0.006	0.006	0.004	0.004	0.006	0.006	0.004	0.004	0.006	0.006	0.012	2	0.012	2	9999	Si
501	0.004	0.004	0.003	0.002	0.004	0.004	0.002	0.002	0.004	0.004	0.008	2	0.007	2	9999	Si
560	0.001	0.001	0	-0.001	0.001	0.001	0	-0.001	0.001	0.001	0.001	2	0	2	9999	Si
619	-0.002	-0.003	-0.003	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.008	2	-0.008	2	9999	Si
649	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	2	-0.012	2	9999	Si
708	-0.007	-0.008	-0.007	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.018	2	-0.019	2	9999	Si
767	-0.008	-0.009	-0.008	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.021	2	-0.021	2	9999	Si
826	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.016	2	-0.016	2	9999	Si
862	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3082	3624	12876	SLV 3	0.57	2474	1.666	-457687	1176680	971955	SLV 13	0.44	1160	1.222	Si
59	2794	3624	12021	SLV 3	0.57	2474	1.666	-349834	1071926	971822	SLV 13	0.44	1206	1.241	Si
118	2330	3624	9541	SLV 3	0.57	2474	1.666	-269781	986053	971252	SLV 13	0.45	1273	1.269	Si
177	1865	3624	9541	SLV 3	0.57	2474	1.666	-132538	-816853	-970067	SLV 3	0.37	756	1.025	Si
206	1633	3624	9541	SLV 3	0.57	2474	1.666	-74196	-732305	-970067	SLV 3	0.44	1181	1.231	Si
265	1168	3624	9541	SLV 3	0.57	2474	1.666	21928	563351	970067	SLV 13	0.57	2474	1.666	Si
324	703	3624	9541	SLV 3	0.57	2474	1.666	90639	394685	970067	SLV 13	0.57	2474	1.666	Si
383	239	3624	9541	SLV 3	0.57	2474	1.666	131937	226589	970067	SLV 13	0.57	2474	1.666	Si
442	-226	-3624	-9541	SLV 13	0.57	2474	1.666	132688	139637	970067	SLV 1	0.57	2474	1.666	Si
501	-691	-3624	-9541	SLV 13	0.57	2474	1.666	92147	303703	970067	SLV 1	0.57	2474	1.666	Si
560	-1155	-3624	-9541	SLV 13	0.57	2474	1.666	24194	469491	970067	SLV 1	0.57	2474	1.666	Si
619	-1620	-3624	-9541	SLV 13	0.57	2474	1.666	-71173	-636407	-970067	SLV 15	0.51	1731	1.439	Si
649	-1852	-3624	-9541	SLV 13	0.57	2474	1.666	-129136	-720193	-970067	SLV 15	0.42	1044	1.17	Si
708	-2317	-3624	-9541	SLV 13	0.57	2474	1.666	-265622	888253	971252	SLV 1	0.5	1666	1.417	Si
767	-2781	-3624	-12021	SLV 13	0.57	2474	1.666	-345291	973697	971252	SLV 1	0.48	1540	1.372	Si
826	-3246	-3624	-12021	SLV 13	0.57	2474	1.666	-620833	1225616	971540	SLV 1	0.47	1385	1.314	Si
862	-3533	-3624	-12021	SLV 13	0.57	2474	1.666	-647439	1246898	971715	SLV 1	0.47	1383	1.313	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3082	1273	12876	SLD 3	0.6	2474	4.193	-457687	520718	971955	SLD 13	0.37	741	2.558	Si
59	2794	1273	12021	SLD 3	0.6	2474	4.193	-434437	511280	971822	SLD 13	0.37	744	2.562	Si
118	2330	1273	9541	SLD 3	0.6	2474	4.193	-269781	436359	971252	SLD 13	0.38	807	2.649	Si
177	1865	1273	9541	SLD 3	0.6	2474	4.193	-132538	-361483	-970067	SLD 3	0.31	492	2.162	Si
206	1633	1273	9541	SLD 3	0.6	2474	4.193	-74196	-324067	-970067	SLD 3	0.37	753	2.575	Si
265	1168	1273	9541	SLD 3	0.6	2474	4.193	21928	-249300	-970067	SLD 3	0.53	1946	3.8	Si
324	703	1273	9541	SLD 3	0.6	2474	4.193	90639	174660	970067	SLD 13	0.6	2474	4.193	Si
383	239	1273	9541	SLD 3	0.6	2474	4.193	131937	100271	970067	SLD 13	0.6	2474	4.193	Si
442	-226	-1273	-9541	SLD 13	0.6	2474	4.193	132688	61795	970067	SLD 1	0.6	2474	4.193	Si
501	-691	-1273	-9541	SLD 13	0.6	2474	4.193	92147	134399	970067	SLD 1	0.6	2474	4.193	Si
560	-1155	-1273	-9541	SLD 13	0.6	2474	4.193	24194	-207765	-970067	SLD 15	0.6	2474	4.193	Si
619	-1620	-1273	-9541	SLD 13	0.6	2474	4.193	-71173	-281631	-970067	SLD 15	0.43	1081	2.986	Si
649	-1852	-1273	-9541	SLD 13	0.6	2474	4.193	-129136	-318709	-970067	SLD 15	0.36	673	2.459	Si
708	-2317	-1273	-9541	SLD 13	0.6	2474	4.193	-265622	393081	971252	SLD 1	0.42	1040	2.939	Si
767	-2781	-1273	-12021	SLD 13	0.6	2474	4.193	-429521	467659	971252	SLD 1	0.4	916	2.79	Si
826	-3246	-1273	-12021	SLD 13	0.6	2474	4.193	-620833	542375	971540	SLD 1	0.39	873	2.736	Si
862	-3533	-1273	-12021	SLD 13	0.6	2474	4.193	-647439	551793	971715	SLD 1	0.39	872	2.734	Si

Campata 4 tra i fili 28 - 29, sezione R 45x70, asta 1012

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-996344	SLU 19	-936816	-2772675	0.114	Si
23	22.81	5.4	7.6	5.4						-879149	SLU 19	-879149	-2772675	0.114	Si
58	19.49	5.4	8.46	5.4						-704488	SLU 19	-847393	-2381368	0.102	Si
115	15.21	5.4	7.6	5.4						-446676	SLU 19	-572419	-1873491	0.092	Si
173	12.39	5.4	7.6	5.4						-222908	SLU 19	-331489	-1539795	0.086	Si
231	7.6	5.4	7.6	5.4	-350	SLU 18	68360	970067	0.076	-33184	SLU 19	-124604	-970067	0.076	Si
260	7.6	5.4	7.6	5.4	67789	SLU 36	137831	970067	0.076	39460	SLU 1	-33928	-970067	0.076	Si
317	7.6	5.4	7.6	5.4	198361	SLU 36	252082	970067	0.076						Si
375	7.6	5.4	7.6	5.4	296666	SLU 30	334364	970067	0.076						Si
433	7.6	5.4	7.6	5.4	363647	SLU 21	385384	970067	0.076						Si
490	7.6	5.4	7.6	5.4	399275	SLU 19	404771	970067	0.076						Si
548	7.6	5.4	7.6	5.4	401756	SLU 19	404771	970067	0.076						Si
606	7.6	5.4	11.03	5.4	370192	SLU 19	390324	1377099	0.083						Si
634	7.6	5.4	11.4	5.4	341643	SLU 19	370356	1422093	0.084						Si
692	7.6	5.4	11.4	5.4	259013	SLU 19	304888	1422093	0.084						Si
750	15.11	5.4	11.4	5.4	142339	SLU 19	205376	1422107	0.084	54332	SLU 18	-5365	-1862047	0.09	Si
807	15.21	5.4	11.4	5.4	-8380	SLU 19	71819	1422107	0.084	-70531	SLU 18	-159304	-1873055	0.09	Si
838	15.21	5.4	11.4	5.4						-163133	SLU 36	-163133	-1873055	0.09	Si
865	15.21	5.4	11.4	5.4						-259157	SLU 36	-209303	-1873055	0.09	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4	456323	SLV 13	456323	971715	0.08	-1949685	SLV 3	-1869899	-2772675	0.114	Si
23	22.81	5.4	7.6	5.4	476043	SLV 13	496404	971715	0.08	-1791277	SLV 3	-1791277	-2772675	0.114	Si
58	19.49	5.4	8.46	5.4	500375	SLV 13	512729	1072648	0.081	-1550294	SLV 3	-1748354	-2381368	0.102	Si
115	15.21	5.4	7.6	5.4	518534	SLV 13	518534	971252	0.079	-1177387	SLV 3	-1362078	-1873491	0.092	Si
173	12.39	5.4	7.6	5.4	511011	SLV 13	517967	970954	0.078	-831174	SLV 3	-1002372	-1539795	0.086	Si
231	7.6	5.4	7.6	5.4	478273	SLV 13	497854	970067	0.076	-512120	SLV 3	-669541	-970067	0.076	Si
260	7.6	5.4	7.6	5.4	452779	SLV 13	478433	970067	0.076	-363110	SLV 3	-513402	-970067	0.076	Si
317	7.6	5.4	7.6	5.4	385641	SLV 13	421880	970067	0.076	-88220	SLV 3	-222695	-970067	0.076	Si
375	7.6	5.4	7.6	5.4	319608	SLV 13	354740	970067	0.076						Si
433	7.6	5.4	7.6	5.4	443729	SLV 1	541731	970067	0.076						Si
490	7.6	5.4	7.6	5.4	635397	SLV 1	725520	970067	0.076	-28978	SLV 15	-113491	-970067	0.076	Si
548	7.6	5.4	7.6	5.4	808525	SLV 1	886735	970067	0.076	-203858	SLV 15	-302860	-970067	0.076	Si
577	7.6	5.4	7.6	5.4	886149	SLV 1	958069	970067	0.076	-301998	SLV 15	-407912	-970067	0.076	Si
606	7.6	5.4	11.03	5.4	957535	SLV 1	1023070	1377099	0.083	-406995	SLV 15	-519725	-970773	0.078	Si
634	7.6	5.4	11.4	5.4	1022589	SLV 1	1081677	1422093	0.084	-518753	SLV 15	-638238	-970824	0.078	Si
692	7.6	5.4	11.4	5.4	1133474	SLV 1	1179239	1422093	0.084	-762329	SLV 15	-894672	-970824	0.078	Si
750	15.11	5.4	11.4	5.4	1218525	SLV 3	1251533	1422107	0.084	-1032447	SLV 13	-1178658	-1862047	0.09	Si
807	15.21	5.4	11.4	5.4	1277605	SLV 3	1297490	1422107	0.084	-1328970	SLV 13	-1488461	-1873055	0.09	Si
838	15.21	5.4	11.4	5.4	1297995	SLV 3	1297995	1422107	0.084	-1494726	SLV 13	-1494726	-1873055	0.09	Si
865	15.21	5.4	11.4	5.4	1310640	SLV 3	1305840	1422107	0.084	-1651823	SLV 13	-1571964	-1873055	0.09	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-1279036	SLD 3	-1218504	-2772675	0.114	Si
23	22.81	5.4	7.6	5.4						-1159286	SLD 3	-1159286	-2772675	0.114	Si
58	19.49	5.4	8.46	5.4						-978693	SLD 3	-1126838	-2381368	0.102	Si
115	15.21	5.4	7.6	5.4	45817	SLD 13	94940	971252	0.079	-704670	SLD 3	-839539	-1873491	0.092	Si
173	12.39	5.4	7.6	5.4	136895	SLD 13	172996	970954	0.078	-457057	SLD 3	-578597	-1539795	0.086	Si
231	7.6	5.4	7.6	5.4	202216	SLD 13	225503	970067	0.076	-236063	SLD 3	-344146	-970067	0.076	Si
260	7.6	5.4	7.6	5.4	225364	SLD 13	242448	970067	0.076	-135695	SLD 3	-236943	-970067	0.076	Si
317	7.6	5.4	7.6	5.4	253561	SLD 13	260186	970067	0.076	43859	SLD 3	-43031	-970067	0.076	Si
375	7.6	5.4	7.6	5.4	267640	SLD 13	299460	970067	0.076						Si
433	7.6	5.4	7.6	5.4	351267	SLD 1	403559	970067	0.076						Si
490	7.6	5.4	7.6	5.4	450196	SLD 1	491641	970067	0.076						Si
548	7.6	5.4	7.6	5.4	526320	SLD 1	555133	970067	0.076						Si
577	7.6	5.4	7.6	5.4	554950	SLD 1	577301	970067	0.076	29201	SLD 15	-27144	-970067	0.076	Si
606	7.6	5.4	11.03	5.4	577171	SLD 1	593016	1377099	0.083	-26631	SLD 15	-89671	-970773	0.078	Si
634	7.6	5.4	11.4	5.4	592940	SLD 1	602252	1422093	0.084	-89104	SLD 15	-158813	-970824	0.078	Si
692	7.6	5.4	11.4	5.4	605021	SLD 1	605021	1422093	0.084	-233877	SLD 15	-316635	-970824	0.078	Si
750	15.11	5.4	11.4	5.4	591071	SLD 3	601335	1422107	0.084	-404994	SLD 13	-501248	-1862047	0.09	Si
807	15.21	5.4	11.4	5.4	551030	SLD 3	574452	1422107	0.084	-602395	SLD 13	-711886	-1873055	0.09	Si
838	15.21	5.4	11.4	5.4	519533	SLD 3	549896	1422107	0.084	-716264	SLD 13	-716264	-1873055	0.09	Si
865	15.21	5.4	11.4	5.4	484863	SLD 3	484863	1422107	0.084	-826047	SLD 13	-769785	-1873055	0.09	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.49	0	5356	SLU 19	5356	13059	76908	0	13059	1	Si
23	0.068	15.21	0	5126	SLU 19	5126	12021	76908	7876	12021	1	Si
58	0.068	15.21	0	4766	SLU 19	4766	12021	76908	7876	12021	1	Si
115	0.068	12.39	0	4176	SLU 19	4176	11229	76908	7876	11229	1	Si
173	0.068	7.6	0	3585	SLU 19	3585	9541	76908	7876	9541	1	Si
231	0.068	7.6	0	2995	SLU 19	2995	9541	76908	7876	9541	1	Si
260	0.068	7.6	0	2700	SLU 19	2700	9541	76908	7876	9541	1	Si
317	0.068	7.6	0	2109	SLU 19	2109	9541	76908	7876	9541	1	Si
375	0.068	7.6	0	1519	SLU 19	1519	9541	76908	7876	9541	1	Si
433	0.068	7.6	0	929	SLU 19	929	9541	76908	7876	9541	1	Si
490	0.068	7.6	0	338	SLU 19	338	9541	76908	7876	9541	1	Si
548	0.068	7.6	0	-392	SLU 36	-392	-9541	-76908	-7876	-9541	1	Si
606	0.068	7.6	0	-983	SLU 36	-983	-9541	-76908	-7876	-9541	1	Si
634	0.068	7.6	0	-1278	SLU 36	-1278	-9541	-76908	-7876	-9541	1	Si
692	0.068	11.4	0	-1868	SLU 36	-1868	-10922	-76908	-7876	-10922	1	Si
750	0.068	11.4	0	-2459	SLU 36	-2459	-10922	-76908	-7876	-10922	1	Si
807	0.068	15.11	0	-3049	SLU 36	-3049	-11997	-76908	-7876	-11997	1	Si
838	0.068	15.21	0	-3358	SLU 36	-3358	-12021	-76908	-7876	-12021	1	Si
865	0	15.21	0	-3639	SLU 36	-3639	-12021	-76908	0	-12021	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.49	0	7166	SLV 3	7970	13059	76908	0	13059	1	Si
23	0.068	15.21	0	6989	SLV 3	7793	12021	76908	7876	12021	1	Si
23	0.068	7.6	0	801	SLV 13	-4	-9541	-76908	-7876	-9541	1	Si
58	0.068	15.21	0	6712	SLV 3	7516	12021	76908	7876	12021	1	Si
58	0.068	7.6	0	524	SLV 13	-281	-9541	-76908	-7876	-9541	1	Si
115	0.068	12.39	0	6258	SLV 3	7062	11229	76908	7876	11229	1	Si
115	0.068	7.6	0	70	SLV 13	-735	-9541	-76908	-7876	-9541	1	Si
144	0.068	7.6	0	6031	SLV 3	6835	9541	76908	7876	9541	1	Si
144	0.068	7.6	0	-157	SLV 13	-962	-9541	-76908	-7876	-9541	1	Si
173	0.068	7.6	0	5803	SLV 3	6608	9541	76908	7876	9541	1	Si
173	0.068	7.6	0	-384	SLV 13	-1189	-9541	-76908	-7876	-9541	1	Si
231	0.068	7.6	0	5349	SLV 3	6154	9541	76908	7876	9541	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
231	0.068	7.6	0	-838	SLV 13	-1643	-9541	-76908	-7876	-9541	1	Si
260	0.068	7.6	0	5122	SLV 3	5927	9541	76908	7876	9541	1	Si
260	0.068	7.6	0	-1066	SLV 13	-1870	-9541	-76908	-7876	-9541	1	Si
317	0.068	7.6	0	4668	SLV 3	5473	9541	76908	7876	9541	1	Si
317	0.068	7.6	0	-1520	SLV 13	-2324	-9541	-76908	-7876	-9541	1	Si
375	0.068	7.6	0	4214	SLV 3	5018	9541	76908	7876	9541	1	Si
375	0.068	7.6	0	-1974	SLV 13	-2778	-9541	-76908	-7876	-9541	1	Si
433	0.068	7.6	0	3760	SLV 3	4564	9541	76908	7876	9541	1	Si
433	0.068	7.6	0	-2428	SLV 13	-3232	-9541	-76908	-7876	-9541	1	Si
490	0.068	7.6	0	3306	SLV 3	4110	9541	76908	7876	9541	1	Si
490	0.068	7.6	0	-2882	SLV 13	-3686	-9541	-76908	-7876	-9541	1	Si
548	0.068	7.6	0	2852	SLV 3	3656	9541	76908	7876	9541	1	Si
548	0.068	7.6	0	-3336	SLV 13	-4141	-9541	-76908	-7876	-9541	1	Si
606	0.068	7.6	0	2398	SLV 3	3202	9541	76908	7876	9541	1	Si
606	0.068	7.6	0	-3790	SLV 13	-4595	-9541	-76908	-7876	-9541	1	Si
634	0.068	7.6	0	2170	SLV 3	2975	9541	76908	7876	9541	1	Si
634	0.068	7.6	0	-4017	SLV 13	-4822	-9541	-76908	-7876	-9541	1	Si
692	0.068	11.4	0	1716	SLV 3	2521	10922	76908	7876	10922	1	Si
692	0.068	7.6	0	-4471	SLV 13	-5276	-9541	-76908	-7876	-9541	1	Si
750	0.068	11.4	0	1262	SLV 3	2067	10922	76908	7876	10922	1	Si
750	0.068	7.6	0	-4926	SLV 13	-5730	-9541	-76908	-7876	-9541	1	Si
807	0.068	11.4	0	808	SLV 3	1613	10922	76908	7876	10922	1	Si
807	0.068	15.11	0	-5380	SLV 13	-6184	-11997	-76908	-7876	-11997	1	Si
838	0.068	11.4	0	571	SLV 3	1375	10922	76908	7876	10922	1	Si
838	0.068	15.21	0	-5617	SLV 13	-6422	-12021	-76908	-7876	-12021	1	Si
865	0	11.4	0	354	SLV 3	1158	10922	76908	0	10922	1	Si
865	0	15.21	0	-5834	SLV 13	-6638	-12021	-76908	0	-12021	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.49	0	5441	SLD 3	5441	13059	76908	0	13059	1	Si
23	0.068	15.21	0	5264	SLD 3	5264	12021	76908	7876	12021	1	Si
58	0.068	15.21	0	4987	SLD 3	4987	12021	76908	7876	12021	1	Si
115	0.068	12.39	0	4533	SLD 3	4533	11229	76908	7876	11229	1	Si
144	0.068	7.6	0	4306	SLD 3	4306	9541	76908	7876	9541	1	Si
173	0.068	7.6	0	4079	SLD 3	4079	9541	76908	7876	9541	1	Si
231	0.068	7.6	0	3625	SLD 3	3625	9541	76908	7876	9541	1	Si
260	0.068	7.6	0	3397	SLD 3	3397	9541	76908	7876	9541	1	Si
317	0.068	7.6	0	2943	SLD 3	2943	9541	76908	7876	9541	1	Si
375	0.068	7.6	0	2489	SLD 3	2489	9541	76908	7876	9541	1	Si
375	0.068	7.6	0	-249	SLD 13	-249	-9541	-76908	-7876	-9541	1	Si
433	0.068	7.6	0	2035	SLD 3	2035	9541	76908	7876	9541	1	Si
433	0.068	7.6	0	-703	SLD 13	-703	-9541	-76908	-7876	-9541	1	Si
490	0.068	7.6	0	1581	SLD 3	1581	9541	76908	7876	9541	1	Si
490	0.068	7.6	0	-1157	SLD 13	-1157	-9541	-76908	-7876	-9541	1	Si
548	0.068	7.6	0	1127	SLD 3	1127	9541	76908	7876	9541	1	Si
548	0.068	7.6	0	-1611	SLD 13	-1611	-9541	-76908	-7876	-9541	1	Si
606	0.068	7.6	0	673	SLD 3	673	9541	76908	7876	9541	1	Si
606	0.068	7.6	0	-2065	SLD 13	-2065	-9541	-76908	-7876	-9541	1	Si
634	0.068	7.6	0	446	SLD 3	446	9541	76908	7876	9541	1	Si
634	0.068	7.6	0	-2293	SLD 13	-2293	-9541	-76908	-7876	-9541	1	Si
692	0.068	7.6	0	-2747	SLD 13	-2747	-9541	-76908	-7876	-9541	1	Si
750	0.068	7.6	0	-3201	SLD 13	-3201	-9541	-76908	-7876	-9541	1	Si
807	0.068	15.11	0	-3655	SLD 13	-3655	-11997	-76908	-7876	-11997	1	Si
838	0.068	15.21	0	-3892	SLD 13	-3892	-12021	-76908	-7876	-12021	1	Si
865	0	15.21	0	-4109	SLD 13	-4109	-12021	-76908	0	-12021	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-754707	1	-709257	20.3	124.5	543.7	1837	-754707	1	-709257	20.3	93.4	0	+∞	Si
23	-665240	1	-665240	19.1	124.5	509.9	1837	-665240	1	-665240	19.1	93.4	0	+∞	Si
58	-531954	1	-640998	19.1	124.5	570	1837	-531954	1	-640998	19.1	93.4	0	+∞	Si
115	-335390	1	-431232	14.1	124.5	486.9	1837	-335390	1	-431232	14.1	93.4	0	+∞	Si
173	-165013	1	-247654	8.7	124.5	340.3	1837	-165013	1	-247654	8.7	93.4	0	+∞	Si
231	-20825	1	-90264	2.1	124.5	31.9	1837	-20825	1	-90264	3.8	93.4	0	+∞	Si
260	49393	9	103879	2.4	124.5	36.7	1837	44835	2	100445	4.2	93.4	0	+∞	Si
317	151037	9	192881	4.5	124.5	68.1	1837	148710	2	191119	8.1	93.4	0	+∞	Si
375	227677	3	256394	6	124.5	90.6	1837	226398	2	255606	10.8	93.4	0	+∞	Si
433	278204	3	294132	6.9	124.5	103.9	1837	277898	2	294132	12.4	93.4	0	+∞	Si
490	303949	1	307300	7.2	124.5	108.6	1837	303949	1	307300	13	93.4	0	+∞	Si
548	304105	1	307300	7.2	124.5	108.6	1837	304105	1	307300	13	93.4	0	+∞	Si
606	278072	1	294442	10.8	124.5	452.9	1837	278072	1	294442	10.8	93.4	0	+∞	Si
634	255235	1	278206	10.1	124.5	414.2	1837	255235	1	278206	10.1	93.4	0	+∞	Si
692	189921	1	226093	8.2	124.5	336.6	1837	189921	1	226093	8.2	93.4	0	+∞	Si
750	98419	1	147792	4.9	124.5	218.9	1837	98419	1	147792	4.9	93.4	0	+∞	Si
807	-42329	9	-113257	3.5	124.5	127.4	1837	-25682	2	-95485	3	93.4	0	+∞	Si
838	-116180	9	-116180	3.6	124.5	130.6	1837	-98365	2	-98365	3.1	93.4	0	+∞	Si
865	-189471	9	-151409	4.7	124.5	170.3	1837	-170592	2	-133062	4.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
58	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	2	-0.002	2	9999	Si
115	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.007	2	0.007	2	9999	Si
173	0.01	0.009	0.009	0.008	0.01	0.009	0.008	0.008	0.01	0.009	0.023	2	0.022	2	9999	Si
231	0.018	0.018	0.016	0.015	0.018	0.018	0.016	0.015	0.018	0.018	0.042	2	0.041	2	9999	Si
260	0.022	0.022	0.019	0.019	0.022	0.022	0.019	0.019	0.022	0.022	0.052	2	0.051	2	9999	Si
317	0.03	0.029	0.027	0.026	0.03	0.03	0.026	0.026	0.03	0.03	0.07	2	0.07	2	9999	Si
375	0.037	0.036	0.032	0.032	0.036	0.036	0.032	0.032	0.036	0.036	0.086	2	0.085	2	9999	Si
433	0.041	0.04	0.036	0.036	0.041	0.041	0.036	0.036	0.041	0.041	0.096	2	0.096	2	9011	Si
490	0.043	0.042	0.038	0.037	0.043	0.043	0.038	0.038	0.043	0.043	0.1	1	0.1	1	8616	Si
548	0.042	0.041	0.037	0.036	0.042	0.042	0.037	0.037	0.042	0.042	0.098	1	0.098	1	8794	Si
606	0.038	0.037	0.034	0.033	0.038	0.038	0.034	0.034	0.038	0.038	0.09	1	0.089	1	9640	Si
634	0.036	0.035	0.032	0.031	0.036	0.035	0.032	0.032	0.036	0.036	0.083	1	0.083	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
692	0.029	0.027	0.025	0.024	0.029	0.028	0.025	0.025	0.029	0.028	0.066	1	0.066	1	9999	Si
750	0.02	0.019	0.017	0.016	0.02	0.019	0.017	0.017	0.02	0.019	0.045	1	0.045	1	9999	Si
807	0.01	0.009	0.009	0.008	0.01	0.01	0.009	0.008	0.01	0.01	0.022	1	0.022	1	9999	Si
838	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	1	0.01	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3895	3898	12021	SLV 3	0.57	2474	1.666	-657617	1133660	971715	SLV 13	0.51	1812	1.467	Si
58	3618	3898	12021	SLV 3	0.57	2474	1.666	-633484	1114870	1072648	SLV 13	0.55	2145	1.572	Si
115	3164	3898	11229	SLV 3	0.57	2474	1.666	-424749	937329	971252	SLV 13	0.53	1995	1.526	Si
173	2710	3898	9541	SLV 3	0.57	2474	1.666	-242202	760170	970954	SLV 13	0.57	2400	1.646	Si
231	2255	3898	9541	SLV 3	0.57	2474	1.666	-85843	-583698	-970067	SLV 3	0.54	2087	1.554	Si
260	2028	3898	9541	SLV 3	0.57	2474	1.666	-17484	-495917	-970067	SLV 3	0.57	2474	1.666	Si
317	1574	3898	9541	SLV 3	0.57	2474	1.666	99593	322287	970067	SLV 13	0.57	2474	1.666	Si
375	1120	3898	9541	SLV 3	0.57	2474	1.666	190482	157249	970067	SLV 13	0.57	2474	1.666	Si
433	666	3898	9541	SLV 3	0.57	2474	1.666	293904	247827	970067	SLV 1	0.57	2474	1.666	Si
490	212	3898	9541	SLV 3	0.57	2474	1.666	306015	419506	970067	SLV 1	0.56	2348	1.631	Si
548	-242	-3898	-9541	SLV 13	0.57	2474	1.666	291938	594797	970067	SLV 1	0.41	980	1.14	Si
606	-696	-3898	-9541	SLV 13	0.57	2474	1.666	251672	771398	1377099	SLV 1	0.52	1888	1.492	Si
634	-923	-3898	-9541	SLV 13	0.57	2474	1.666	221719	-859957	-970824	SLV 15	0.5	1648	1.411	Si
692	-1378	-3898	-9541	SLV 13	0.57	2474	1.666	142172	-1036844	-970824	SLV 15	0.39	846	1.073	Si
750	-1832	-3898	-9541	SLV 13	0.57	2474	1.666	36438	1215095	1422107	SLV 3	0.41	981	1.14	Si
807	-2286	-3898	-11997	SLV 13	0.57	2474	1.666	-95485	1392975	1422107	SLV 3	0.4	877	1.089	Si
838	-2523	-3898	-12021	SLV 13	0.57	2474	1.666	-98365	1396360	1422107	SLV 3	0.39	876	1.089	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3895	1369	12021	SLD 3	0.6	2474	4.193	-657617	501669	971715	SLD 13	0.43	1132	3.043	Si
58	3618	1369	12021	SLD 3	0.6	2474	4.193	-633484	493355	1072648	SLD 13	0.46	1338	3.259	Si
115	3164	1369	11229	SLD 3	0.6	2474	4.193	-424749	414790	971252	SLD 13	0.45	1244	3.163	Si
173	2710	1369	9541	SLD 3	0.6	2474	4.193	-242202	336394	970954	SLD 13	0.48	1495	3.411	Si
231	2255	1369	9541	SLD 3	0.6	2474	4.193	-85843	-258303	-970067	SLD 3	0.46	1302	3.223	Si
260	2028	1369	9541	SLD 3	0.6	2474	4.193	-17484	-219458	-970067	SLD 3	0.57	2454	4.179	Si
317	1574	1369	9541	SLD 3	0.6	2474	4.193	99593	142624	970067	SLD 13	0.6	2474	4.193	Si
375	1120	1369	9541	SLD 3	0.6	2474	4.193	255606	43854	970067	SLD 1	0.6	2474	4.193	Si
433	666	1369	9541	SLD 3	0.6	2474	4.193	293904	109654	970067	SLD 1	0.6	2474	4.193	Si
490	212	1369	9541	SLD 3	0.6	2474	4.193	306015	185626	970067	SLD 1	0.48	1464	3.381	Si
548	-242	-1369	-9541	SLD 13	0.6	2474	4.193	291938	263195	970067	SLD 1	0.35	635	2.401	Si
606	-696	-1369	-9541	SLD 13	0.6	2474	4.193	251672	341343	1377099	SLD 1	0.44	1179	3.094	Si
634	-923	-1369	-9541	SLD 13	0.6	2474	4.193	221719	-380532	-970824	SLD 15	0.42	1029	2.926	Si
692	-1378	-1369	-9541	SLD 13	0.6	2474	4.193	142172	-458807	-970824	SLD 15	0.33	549	2.262	Si
750	-1832	-1369	-9541	SLD 13	0.6	2474	4.193	93039	498033	1422107	SLD 3	0.36	691	2.485	Si
807	-2286	-1369	-11997	SLD 13	0.6	2474	4.193	-95485	616401	1422107	SLD 3	0.33	569	2.295	Si
838	-2523	-1369	-12021	SLD 13	0.6	2474	4.193	-98365	617898	1422107	SLD 3	0.33	568	2.294	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 4-14

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 4 - 5, sezione R 40x70, asta 1224

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	49519	SLU 20	49519	962923	0.078	-265	SLU 17	-265	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	65158	SLU 20	65158	962923	0.078						Si
20	7.6	5.4	7.6	5.4	65262	SLU 20	79932	962923	0.078						Si
40	7.6	5.4	7.6	5.4	76333	SLU 20	84137	962923	0.078						Si
59	7.6	5.4	7.6	5.4	82729	SLU 20	88335	962923	0.078						Si
79	7.6	5.4	7.6	5.4	86216	SLU 34	89547	962923	0.078						Si
89	7.6	5.4	7.6	5.4	88507	SLU 33	89547	962923	0.078						Si
109	7.6	5.4	7.6	5.4	89119	SLU 33	89547	962923	0.078						Si
129	7.6	5.4	7.6	5.4	83854	SLU 33	89518	962923	0.078						Si
149	7.6	5.4	7.6	5.4	72712	SLU 33	86990	962923	0.078						Si
169	7.6	5.4	7.6	5.4	55716	SLU 35	78585	962923	0.078	22693	SLU 2	-7833	-962923	0.078	Si
188	7.6	5.4	7.6	5.4	33205	SLU 35	64303	962923	0.078	2774	SLU 2	-38305	-962923	0.078	Si
208	7.6	5.4	7.6	5.4	5873	SLU 8	44373	962923	0.078	-22011	SLU 29	-77071	-962923	0.078	Si
218	7.6	5.4	7.6	5.4	-6323	SLU 8	32282	962923	0.078	-39504	SLU 29	-98434	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	-34018	SLU 8	5037	962923	0.078	-78451	SLU 29	-145120	-962923	0.078	Si
258	7.6	5.4	7.6	5.4						-122679	SLU 29	-171758	-962923	0.078	Si
277	7.6	5.4	7.6	5.4						-171758	SLU 29	-171758	-962923	0.078	Si
278	7.6	5.4	7.6	5.4						-172185	SLU 29	-172161	-962923	0.078	Si
297	7.6	5.4	7.6	5.4						-226972	SLU 29	-195992	-962923	0.078	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	801875	SLV 13	780557	962923	0.078	-743703	SLV 3	-704940	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	760249	SLV 13	760222	962923	0.078	-672714	SLV 3	-672685	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	759879	SLV 13	759879	962923	0.078	-672141	SLV 3	-672141	-962923	0.078	Si
40	7.6	5.4	7.6	5.4	715302	SLV 13	759879	962923	0.078	-605522	SLV 3	-672141	-962923	0.078	Si
59	7.6	5.4	7.6	5.4	666692	SLV 13	736664	962923	0.078	-542570	SLV 3	-636324	-962923	0.078	Si
79	7.6	5.4	7.6	5.4	614475	SLV 13	689754	962923	0.078	-483914	SLV 3	-571391	-962923	0.078	Si
89	7.6	5.4	7.6	5.4	587030	SLV 13	664933	962923	0.078	-456213	SLV 3	-540522	-962923	0.078	Si
109	7.6	5.4	7.6	5.4	529498	SLV 13	612593	962923	0.078	-404099	SLV 3	-482014	-962923	0.078	Si
129	7.6	5.4	7.6	5.4	468483	SLV 13	556700	962923	0.078	-356404	SLV 3	-427858	-962923	0.078	Si
149	7.6	5.4	7.6	5.4	404029	SLV 13	497302	962923	0.078	-313174	SLV 3	-378099	-962923	0.078	Si
169	7.6	5.4	7.6	5.4	336208	SLV 15	434443	962923	0.078	-274480	SLV 1	-332784	-962923	0.078	Si
188	7.6	5.4	7.6	5.4	265172	SLV 15	368179	962923	0.078	-240475	SLV 1	-291966	-962923	0.078	Si
208	7.6	5.4	7.6	5.4	191295	SLV 15	298615	962923	0.078	-211531	SLV 1	-255752	-962923	0.078	Si
218	7.6	5.4	7.6	5.4	153560	SLV 15	262661	962923	0.078	-199226	SLV 1	-239436	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	77970	SLV 15	188707	962923	0.078	-180424	SLV 1	-210687	-962923	0.078	Si
258	7.6	5.4	7.6	5.4	18551	SLV 11	113032	962923	0.078	-185694	SLV 5	-226267	-962923	0.078	Si
277	7.6	5.4	7.6	5.4	-12843	SLV 7	39993	962923	0.078	-226267	SLV 9	-226267	-962923	0.078	Si
278	7.6	5.4	7.6	5.4						-226650	SLV 9	-226650	-962923	0.078	Si
297	7.6	5.4	7.6	5.4						-285571	SLV 13	-255471	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	370831	SLD 13	366275	962923	0.078	-312659	SLD 3	-290658	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	360626	SLD 13	360615	962923	0.078	-273091	SLD 3	-273078	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	360519	SLD 13	360519	962923	0.078	-272781	SLD 3	-272781	-962923	0.078	Si
40	7.6	5.4	7.6	5.4	346967	SLD 13	360519	962923	0.078	-237187	SLD 3	-272781	-962923	0.078	Si
59	7.6	5.4	7.6	5.4	329483	SLD 13	353774	962923	0.078	-205361	SLD 3	-253435	-962923	0.078	Si
79	7.6	5.4	7.6	5.4	308199	SLD 13	338070	962923	0.078	-177638	SLD 3	-219706	-962923	0.078	Si
89	7.6	5.4	7.6	5.4	296139	SLD 13	328786	962923	0.078	-165323	SLD 3	-204375	-962923	0.078	Si
109	7.6	5.4	7.6	5.4	269197	SLD 13	307372	962923	0.078	-143797	SLD 3	-176794	-962923	0.078	Si
129	7.6	5.4	7.6	5.4	238508	SLD 13	282182	962923	0.078	-126429	SLD 3	-153339	-962923	0.078	Si
149	7.6	5.4	7.6	5.4	204091	SLD 13	253235	962923	0.078	-113236	SLD 3	-134033	-962923	0.078	Si
169	7.6	5.4	7.6	5.4	165977	SLD 15	220552	962923	0.078	-104249	SLD 1	-118892	-962923	0.078	Si
188	7.6	5.4	7.6	5.4	124230	SLD 15	184155	962923	0.078	-99533	SLD 1	-107942	-962923	0.078	Si
208	7.6	5.4	7.6	5.4	79009	SLD 15	144089	962923	0.078	-99245	SLD 1	-108013	-962923	0.078	Si
218	7.6	5.4	7.6	5.4	55210	SLD 15	122708	962923	0.078	-100876	SLD 1	-114364	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	5867	SLD 15	77377	962923	0.078	-108321	SLD 1	-144045	-962923	0.078	Si
258	7.6	5.4	7.6	5.4	-38474	SLD 11	29050	962923	0.078	-128670	SLD 5	-166612	-962923	0.078	Si
277	7.6	5.4	7.6	5.4						-166612	SLD 9	-166612	-962923	0.078	Si
278	7.6	5.4	7.6	5.4						-166955	SLD 9	-166955	-962923	0.078	Si
297	7.6	5.4	7.6	5.4						-215129	SLD 13	-189444	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1332	SLU 35	1332	8821	68363	0	8821	1	Si
20	0	7.6	0	1136	SLU 35	1136	8821	68363	0	8821	1	Si
20	0.062	7.6	0	1134	SLU 35	1134	8821	68363	7252	8821	1	Si
40	0.062	7.6	0	866	SLU 35	866	8821	68363	7252	8821	1	Si
59	0.062	7.6	0	593	SLU 35	593	8821	68363	7252	8821	1	Si
79	0.062	7.6	0	320	SLU 35	320	8821	68363	7252	8821	1	Si
79	0.062	7.6	0	-41	SLU 2	-41	-8821	-68363	-7252	-8821	1	Si
89	0.062	7.6	0	201	SLU 17	201	8821	68363	7252	8821	1	Si
89	0.062	7.6	0	-147	SLU 20	-147	-8821	-68363	-7252	-8821	1	Si
109	0.062	7.6	0	-369	SLU 20	-369	-8821	-68363	-7252	-8821	1	Si
129	0.062	7.6	0	-592	SLU 20	-592	-8821	-68363	-7252	-8821	1	Si
149	0.062	7.6	0	-829	SLU 29	-829	-8821	-68363	-7252	-8821	1	Si
169	0.062	7.6	0	-1075	SLU 29	-1075	-8821	-68363	-7252	-8821	1	Si
188	0.062	7.6	0	-1320	SLU 29	-1320	-8821	-68363	-7252	-8821	1	Si
208	0.062	7.6	0	-1568	SLU 34	-1568	-8821	-68363	-7252	-8821	1	Si
218	0.062	7.6	0	-1704	SLU 34	-1704	-8821	-68363	-7252	-8821	1	Si
238	0.062	7.6	0	-1978	SLU 34	-1978	-8821	-68363	-7252	-8821	1	Si
258	0.062	7.6	0	-2251	SLU 34	-2251	-8821	-68363	-7252	-8821	1	Si
277	0.062	7.6	0	-2522	SLU 34	-2522	-8821	-68363	-7252	-8821	1	Si
278	0	7.6	0	-2524	SLU 34	-2524	-8821	-68363	0	-8821	1	Si
297	0	7.6	0	-2798	SLU 34	-2798	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3432	SLV 3	4127	8821	68363	0	8821	1	Si
0	0	7.6	0	-1916	SLV 13	-2611	-8821	-68363	0	-8821	1	Si
20	0	7.6	0	3281	SLV 3	3977	8821	68363	0	8821	1	Si
20	0	7.6	0	-2066	SLV 13	-2761	-8821	-68363	0	-8821	1	Si
20	0.062	7.6	0	3280	SLV 3	3975	8821	68363	7252	8821	1	Si
20	0.062	7.6	0	-2068	SLV 13	-2763	-8821	-68363	-7252	-8821	1	Si
40	0.062	7.6	0	3099	SLV 3	3794	8821	68363	7252	8821	1	Si
40	0.062	7.6	0	-2248	SLV 13	-2944	-8821	-68363	-7252	-8821	1	Si
59	0.062	7.6	0	2915	SLV 3	3611	8821	68363	7252	8821	1	Si
59	0.062	7.6	0	-2432	SLV 13	-3127	-8821	-68363	-7252	-8821	1	Si
79	0.062	7.6	0	2732	SLV 3	3427	8821	68363	7252	8821	1	Si
79	0.062	7.6	0	-2616	SLV 13	-3311	-8821	-68363	-7252	-8821	1	Si
89	0.062	7.6	0	2640	SLV 3	3335	8821	68363	7252	8821	1	Si
89	0.062	7.6	0	-2708	SLV 13	-3403	-8821	-68363	-7252	-8821	1	Si
109	0.062	7.6	0	2456	SLV 3	3151	8821	68363	7252	8821	1	Si
109	0.062	7.6	0	-2892	SLV 13	-3587	-8821	-68363	-7252	-8821	1	Si
129	0.062	7.6	0	2272	SLV 3	2967	8821	68363	7252	8821	1	Si
129	0.062	7.6	0	-3076	SLV 13	-3771	-8821	-68363	-7252	-8821	1	Si
149	0.062	7.6	0	2088	SLV 3	2784	8821	68363	7252	8821	1	Si
149	0.062	7.6	0	-3259	SLV 13	-3955	-8821	-68363	-7252	-8821	1	Si
169	0.062	7.6	0	1905	SLV 3	2600	8821	68363	7252	8821	1	Si
169	0.062	7.6	0	-3443	SLV 13	-4138	-8821	-68363	-7252	-8821	1	Si
188	0.062	7.6	0	1721	SLV 3	2416	8821	68363	7252	8821	1	Si
188	0.062	7.6	0	-3627	SLV 13	-4322	-8821	-68363	-7252	-8821	1	Si
208	0.062	7.6	0	1537	SLV 3	2232	8821	68363	7252	8821	1	Si
208	0.062	7.6	0	-3811	SLV 13	-4506	-8821	-68363	-7252	-8821	1	Si
218	0.062	7.6	0	1445	SLV 3	2140	8821	68363	7252	8821	1	Si
218	0.062	7.6	0	-3903	SLV 13	-4598	-8821	-68363	-7252	-8821	1	Si
238	0.062	7.6	0	1261	SLV 3	1957	8821	68363	7252	8821	1	Si
238	0.062	7.6	0	-4086	SLV 13	-4782	-8821	-68363	-7252	-8821	1	Si
258	0.062	7.6	0	1078	SLV 3	1773	8821	68363	7252	8821	1	Si
258	0.062	7.6	0	-4270	SLV 13	-4965	-8821	-68363	-7252	-8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
277	0.062	7.6	0	895	SLV 3	1591	8821	68363	7252	8821	1	Si
277	0.062	7.6	0	-4452	SLV 13	-5148	-8821	-68363	-7252	-8821	1	Si
278	0	7.6	0	894	SLV 3	1589	8821	68363	0	8821	1	Si
278	0	7.6	0	-4454	SLV 13	-5149	-8821	-68363	0	-8821	1	Si
297	0	7.6	0	710	SLV 3	1405	8821	68363	0	8821	1	Si
297	0	7.6	0	-4638	SLV 13	-5333	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1940	SLD 3	1940	8821	68363	0	8821	1	Si
0	0	7.6	0	-424	SLD 13	-424	-8821	-68363	0	-8821	1	Si
20	0	7.6	0	1789	SLD 3	1789	8821	68363	0	8821	1	Si
20	0	7.6	0	-574	SLD 13	-574	-8821	-68363	0	-8821	1	Si
20	0.062	7.6	0	1788	SLD 3	1788	8821	68363	7252	8821	1	Si
20	0.062	7.6	0	-576	SLD 13	-576	-8821	-68363	-7252	-8821	1	Si
40	0.062	7.6	0	1607	SLD 3	1607	8821	68363	7252	8821	1	Si
40	0.062	7.6	0	-756	SLD 13	-756	-8821	-68363	-7252	-8821	1	Si
59	0.062	7.6	0	1423	SLD 3	1423	8821	68363	7252	8821	1	Si
59	0.062	7.6	0	-940	SLD 13	-940	-8821	-68363	-7252	-8821	1	Si
79	0.062	7.6	0	1240	SLD 3	1240	8821	68363	7252	8821	1	Si
79	0.062	7.6	0	-1124	SLD 13	-1124	-8821	-68363	-7252	-8821	1	Si
89	0.062	7.6	0	1148	SLD 3	1148	8821	68363	7252	8821	1	Si
89	0.062	7.6	0	-1216	SLD 13	-1216	-8821	-68363	-7252	-8821	1	Si
109	0.062	7.6	0	964	SLD 3	964	8821	68363	7252	8821	1	Si
109	0.062	7.6	0	-1400	SLD 13	-1400	-8821	-68363	-7252	-8821	1	Si
129	0.062	7.6	0	780	SLD 3	780	8821	68363	7252	8821	1	Si
129	0.062	7.6	0	-1583	SLD 13	-1583	-8821	-68363	-7252	-8821	1	Si
149	0.062	7.6	0	596	SLD 3	596	8821	68363	7252	8821	1	Si
149	0.062	7.6	0	-1767	SLD 13	-1767	-8821	-68363	-7252	-8821	1	Si
169	0.062	7.6	0	412	SLD 3	412	8821	68363	7252	8821	1	Si
169	0.062	7.6	0	-1951	SLD 13	-1951	-8821	-68363	-7252	-8821	1	Si
188	0.062	7.6	0	229	SLD 3	229	8821	68363	7252	8821	1	Si
188	0.062	7.6	0	-2135	SLD 13	-2135	-8821	-68363	-7252	-8821	1	Si
208	0.062	7.6	0	45	SLD 3	45	8821	68363	7252	8821	1	Si
208	0.062	7.6	0	-2319	SLD 13	-2319	-8821	-68363	-7252	-8821	1	Si
218	0.062	7.6	0	-2410	SLD 13	-2410	-8821	-68363	-7252	-8821	1	Si
238	0.062	7.6	0	-2594	SLD 13	-2594	-8821	-68363	-7252	-8821	1	Si
258	0.062	7.6	0	-2778	SLD 13	-2778	-8821	-68363	-7252	-8821	1	Si
277	0.062	7.6	0	-2960	SLD 13	-2960	-8821	-68363	-7252	-8821	1	Si
278	0	7.6	0	-2962	SLD 13	-2962	-8821	-68363	0	-8821	1	Si
297	0	7.6	0	-3146	SLD 13	-3146	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	32213	2	32213	0.8	124.5	12.6	1837	29086	2	29086	1.3	93.4	0	+∞	Si
20	46134	2	46134	1.2	124.5	18	1837	43767	2	43767	2	93.4	0	+∞	Si
20	46229	2	60003	1.6	124.5	23.5	1837	43869	2	58758	2.6	93.4	0	+∞	Si
40	56495	2	64511	1.7	124.5	25.2	1837	54890	2	64021	2.9	93.4	0	+∞	Si
59	62906	2	67370	1.8	124.5	26.3	1837	62061	2	65806	3	93.4	0	+∞	Si
79	65986	7	68037	1.8	124.5	26.6	1837	65280	2	65854	3	93.4	0	+∞	Si
89	67482	6	68037	1.8	124.5	26.6	1837	65854	1	65854	3	93.4	0	+∞	Si
109	67505	6	68037	1.8	124.5	26.6	1837	64286	1	65854	3	93.4	0	+∞	Si
129	63178	6	68001	1.8	124.5	26.6	1837	58768	1	65476	2.9	93.4	0	+∞	Si
149	54502	6	65699	1.7	124.5	25.7	1837	49297	1	61798	2.8	93.4	0	+∞	Si
169	41491	8	59049	1.5	124.5	23.1	1837	35875	1	54168	2.4	93.4	0	+∞	Si
188	24372	8	48049	1.3	124.5	18.8	1837	18501	1	42586	1.9	93.4	0	+∞	Si
208	2904	8	32851	0.9	124.5	12.8	1837								Si
208	-14980	2	-56197	1.5	124.5	22	1837	-10118	2	-50219	2.3	93.4	0	+∞	Si
218	-28076	2	-72189	1.9	124.5	28.2	1837	-22833	2	-65830	3	93.4	0	+∞	Si
238	-57231	2	-107135	2.8	124.5	41.9	1837	-51227	2	-100015	4.5	93.4	0	+∞	Si
258	-90337	2	-127074	3.3	124.5	49.7	1837	-83572	2	-119555	5.4	93.4	0	+∞	Si
277	-127074	2	-127074	3.3	124.5	49.7	1837	-119555	2	-119555	5.4	93.4	0	+∞	Si
278	-127394	2	-127375	3.3	124.5	49.8	1837	-119868	2	-119850	5.4	93.4	0	+∞	Si
297	-168402	2	-145214	3.8	124.5	56.8	1837	-160116	2	-137340	6.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
40	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.001	1	9999	Si
59	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
79	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.002	1	9999	Si
89	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	1	0.002	1	9999	Si
109	0.002	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	1	0.003	1	9999	Si
129	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.002	0.003	1	0.002	1	9999	Si
149	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.002	1	0.002	1	9999	Si
169	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
188	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	1	0.001	1	9999	Si
208	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
218	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	1	0.001	1	9999	Si
238	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
258	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
277	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
278	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	606	3369	8821	SLV 3	0.57	2474	1.666	43869	716010	962923	SLV 13	0.46	1341	1.296	Si
40	425	3369	8821	SLV 3	0.57	2474	1.666	43869	716010	962923	SLV 13	0.46	1341	1.296	Si
59	242	3369	8821	SLV 3	0.57	2474	1.666	50170	686494	962923	SLV 13	0.48	1472	1.347	Si
79	58	3369	8821	SLV 3	0.57	2474	1.666	59182	630572	962923	SLV 13	0.51	1800	1.463	Si
89	-34	-3369	-8821	SLV 13	0.57	2474	1.666	62205	602727	962923	SLV 13	0.53	2013	1.531	Si
109	-218	-3369	-8821	SLV 13	0.57	2474	1.666	65289	547304	962923	SLV 13	0.57	2474	1.666	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
129	-402	-3369	-8821	SLV 13	0.57	2474	1.666	64421	492279	962923	SLV 13	0.57	2474	1.666	Si
149	-585	-3369	-8821	SLV 13	0.57	2474	1.666	59601	437701	962923	SLV 13	0.57	2474	1.666	Si
169	-769	-3369	-8821	SLV 13	0.57	2474	1.666	50830	383613	962923	SLV 13	0.57	2474	1.666	Si
188	-953	-3369	-8821	SLV 13	0.57	2474	1.666	38106	330073	962923	SLV 15	0.57	2474	1.666	Si
208	-1137	-3369	-8821	SLV 13	0.57	2474	1.666	21432	277183	962923	SLV 15	0.57	2474	1.666	Si
218	-1229	-3369	-8821	SLV 13	0.57	2474	1.666	11612	251049	962923	SLV 15	0.57	2474	1.666	Si
238	-1413	-3369	-8821	SLV 13	0.57	2474	1.666	-10990	-199697	-962923	SLV 1	0.57	2474	1.666	Si
258	-1596	-3369	-8821	SLV 13	0.57	2474	1.666	-37543	-150575	-962923	SLV 1	0.57	2474	1.666	Si
277	-1779	-3369	-8821	SLV 13	0.57	2474	1.666	-119555	-106712	-962923	SLV 9	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	606	1182	8821	SLD 3	0.6	2474	4.193	43869	316650	962923	SLD 13	0.39	848	2.703	Si
40	425	1182	8821	SLD 3	0.6	2474	4.193	43869	316650	962923	SLD 13	0.39	848	2.703	Si
59	242	1182	8821	SLD 3	0.6	2474	4.193	50170	303605	962923	SLD 13	0.4	924	2.8	Si
79	58	1182	8821	SLD 3	0.6	2474	4.193	59182	278888	962923	SLD 13	0.43	1127	3.037	Si
89	-34	-1182	-8821	SLD 13	0.6	2474	4.193	62205	266581	962923	SLD 13	0.45	1258	3.178	Si
109	-218	-1182	-8821	SLD 13	0.6	2474	4.193	65289	242083	962923	SLD 13	0.49	1611	3.517	Si
129	-402	-1182	-8821	SLD 13	0.6	2474	4.193	64421	217760	962923	SLD 13	0.54	2143	3.953	Si
149	-585	-1182	-8821	SLD 13	0.6	2474	4.193	59601	193634	962923	SLD 13	0.6	2474	4.193	Si
169	-769	-1182	-8821	SLD 13	0.6	2474	4.193	50830	169722	962923	SLD 13	0.6	2474	4.193	Si
188	-953	-1182	-8821	SLD 13	0.6	2474	4.193	38106	146049	962923	SLD 15	0.6	2474	4.193	Si
208	-1137	-1182	-8821	SLD 13	0.6	2474	4.193	21432	122658	962923	SLD 15	0.6	2474	4.193	Si
218	-1229	-1182	-8821	SLD 13	0.6	2474	4.193	11612	111096	962923	SLD 15	0.6	2474	4.193	Si
238	-1413	-1182	-8821	SLD 13	0.6	2474	4.193	-10990	88367	962923	SLD 15	0.6	2474	4.193	Si
258	-1596	-1182	-8821	SLD 13	0.6	2474	4.193	-37543	66593	962923	SLD 15	0.6	2474	4.193	Si
277	-1779	-1182	-8821	SLD 13	0.6	2474	4.193	-119555	-47057	-962923	SLD 9	0.6	2474	4.193	Si

Campata 3 tra i fili 5 - 6, sezione R 40x70, asta 1225

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-66148	SLU 34	-49878	-962923	0.078	Si
19	7.6	5.4	7.6	5.4						-38504	SLU 11	-38504	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	-6831	SLU 22	21692	962923	0.078	-37631	SLU 11	-37631	-962923	0.078	Si
38	7.6	5.4	7.6	5.4	11862	SLU 22	37088	962923	0.078	-19271	SLU 11	-37631	-962923	0.078	Si
57	7.6	5.4	7.6	5.4	29295	SLU 26	48965	962923	0.078	-3461	SLU 11	-28795	-962923	0.078	Si
77	7.6	5.4	7.6	5.4	43379	SLU 26	56742	962923	0.078	8924	SLU 11	-11216	-962923	0.078	Si
86	7.6	5.4	7.6	5.4	48819	SLU 26	59571	962923	0.078	13832	SLU 11	-3711	-962923	0.078	Si
105	7.6	5.4	7.6	5.4	56646	SLU 35	61750	962923	0.078						Si
125	7.6	5.4	7.6	5.4	61216	SLU 35	61750	962923	0.078						Si
144	7.6	5.4	7.6	5.4	61116	SLU 35	61750	962923	0.078						Si
163	7.6	5.4	7.6	5.4	56349	SLU 35	61750	962923	0.078						Si
182	7.6	5.4	7.6	5.4	46912	SLU 35	59376	962923	0.078	13421	SLU 2	-2099	-962923	0.078	Si
201	7.6	5.4	7.6	5.4	32807	SLU 35	52352	962923	0.078	3978	SLU 2	-17772	-962923	0.078	Si
220	7.6	5.4	7.6	5.4	14034	SLU 35	40659	962923	0.078	-8491	SLU 2	-40505	-962923	0.078	Si
230	7.6	5.4	7.6	5.4	4461	SLU 17	33062	962923	0.078	-17423	SLU 20	-53737	-962923	0.078	Si
249	7.6	5.4	7.6	5.4	-15681	SLU 8	14367	962923	0.078	-40065	SLU 29	-66268	-962923	0.078	Si
267	7.6	5.4	7.6	5.4						-66268	SLU 29	-66268	-962923	0.078	Si
268	7.6	5.4	7.6	5.4						-67507	SLU 29	-67507	-962923	0.078	Si
287	7.6	5.4	7.6	5.4						-99144	SLU 29	-81585	-962923	0.078	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	880908	SLV 15	838501	962923	0.078	-960732	SLV 1	-896031	-962923	0.078	Si
19	7.6	5.4	7.6	5.4	806505	SLV 15	806051	962923	0.078	-846620	SLV 1	-846190	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	803168	SLV 15	803168	962923	0.078	-841761	SLV 1	-841761	-962923	0.078	Si
38	7.6	5.4	7.6	5.4	728987	SLV 15	803168	962923	0.078	-735672	SLV 1	-841761	-962923	0.078	Si
57	7.6	5.4	7.6	5.4	648363	SLV 15	769416	962923	0.078	-627898	SLV 1	-792615	-962923	0.078	Si
77	7.6	5.4	7.6	5.4	564645	SLV 15	690396	962923	0.078	-523310	SLV 1	-683200	-962923	0.078	Si
86	7.6	5.4	7.6	5.4	521631	SLV 15	649722	962923	0.078	-472216	SLV 1	-629684	-962923	0.078	Si
105	7.6	5.4	7.6	5.4	433314	SLV 15	566056	962923	0.078	-372447	SLV 1	-525043	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	341982	SLV 15	479315	962923	0.078	-275945	SLV 1	-423606	-962923	0.078	Si
144	7.6	5.4	7.6	5.4	247738	SLV 15	389533	962923	0.078	-182809	SLV 1	-325409	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	150918	SLV 15	296775	962923	0.078	-93377	SLV 1	-230515	-962923	0.078	Si
182	7.6	5.4	7.6	5.4	82837	SLV 7	201210	962923	0.078	-38963	SLV 9	-139092	-962923	0.078	Si
201	7.6	5.4	7.6	5.4	106481	SLV 3	218968	962923	0.078	-82553	SLV 13	-237302	-962923	0.078	Si
220	7.6	5.4	7.6	5.4	180946	SLV 3	291470	962923	0.078	-183243	SLV 13	-345552	-962923	0.078	Si
230	7.6	5.4	7.6	5.4	217751	SLV 3	327108	962923	0.078	-235515	SLV 13	-401419	-962923	0.078	Si
249	7.6	5.4	7.6	5.4	290280	SLV 3	358048	962923	0.078	-343688	SLV 13	-451487	-962923	0.078	Si
267	7.6	5.4	7.6	5.4	358048	SLV 3	358048	962923	0.078	-451487	SLV 13	-451487	-962923	0.078	Si
268	7.6	5.4	7.6	5.4	361106	SLV 3	361106	962923	0.078	-456436	SLV 13	-456436	-962923	0.078	Si
287	7.6	5.4	7.6	5.4	429762	SLV 3	395609	962923	0.078	-573293	SLV 13	-512416	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	367532	SLD 15	354984	962923	0.078	-447357	SLD 1	-412514	-962923	0.078	Si
19	7.6	5.4	7.6	5.4	345682	SLD 15	345475	962923	0.078	-385797	SLD 1	-385613	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	344630	SLD 15	344630	962923	0.078	-383223	SLD 1	-383223	-962923	0.078	Si
38	7.6	5.4	7.6	5.4	320703	SLD 15	344630	962923	0.078	-327388	SLD 1	-383223	-962923	0.078	Si
57	7.6	5.4	7.6	5.4	292599	SLD 15	333988	962923	0.078	-272134	SLD 1	-357187	-962923	0.078	Si
77	7.6	5.4	7.6	5.4	261375	SLD 15	307497	962923	0.078	-220040	SLD 1	-300302	-962923	0.078	Si
86	7.6	5.4	7.6	5.4	244595	SLD 15	293081	962923	0.078	-195180	SLD 1	-273043	-962923	0.078	Si
105	7.6	5.4	7.6	5.4	208710	SLD 15	261909	962923	0.078	-147844	SLD 1	-220896	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	169740	SLD 15	227626	962923	0.078	-103703	SLD 1	-171918	-962923	0.078	Si
144	7.6	5.4	7.6	5.4	127729	SLD 15	190246	962923	0.078	-62800	SLD 1	-126122	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	82824	SLD 15	149799	962923	0.078	-25282	SLD 1	-83539	-962923	0.078	Si
182	7.6	5.4	7.6	5.4	48863	SLD 7	106356	962923	0.078	-4988	SLD 9	-56111	-962923	0.078	Si
201	7.6	5.4	7.6	5.4	53740	SLD 3	91741	962923	0.078	-29812	SLD 13	-110074	-962923	0.078	Si
220	7.6	5.4	7.6	5.4	79387	SLD 3	113856	962923	0.078	-81683	SLD 13	-167938	-962923	0.078	Si
230	7.6	5.4	7.6	5.4	91361	SLD 3	123986	962923	0.078	-109125	SLD 13	-198296	-962923	0.078	Si
249	7.6	5.4	7.6	5.4	113517	SLD 3	132343	962923	0.078	-166925	SLD 13	-225782	-962923	0.078	Si
267	7.6	5.4	7.6	5.4	132343	SLD 3	132343	962923	0.078	-225782	SLD 13	-225782	-962923	0.078	Si
268	7.6	5.4	7.6	5.4	133169	SLD 3	133167	962923	0.078	-228499	SLD 13	-228499	-962923	0.078	Si
287	7.6	5.4	7.6	5.4	150110	SLD 3	142448	962923	0.078	-293641	SLD 13	-259255	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1725	SLU 36	1725	8821	68363	0	8821	1	Si
19	0	7.6	0	1481	SLU 36	1481	8821	68363	0	8821	1	Si
20	0.061	7.6	0	1471	SLU 36	1471	8821	68363	7073	8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
38	0.061	7.6	0	1238	SLU 36	1238	8821	68363	7073	8821	1	Si
57	0.061	7.6	0	994	SLU 36	994	8821	68363	7073	8821	1	Si
77	0.061	7.6	0	750	SLU 36	750	8821	68363	7073	8821	1	Si
86	0.061	7.6	0	629	SLU 36	629	8821	68363	7073	8821	1	Si
105	0.061	7.6	0	385	SLU 36	385	8821	68363	7073	8821	1	Si
125	0.061	7.6	0	151	SLU 18	151	8821	68363	7073	8821	1	Si
144	0.061	7.6	0	-184	SLU 19	-184	-8821	-68363	-7073	-8821	1	Si
163	0.061	7.6	0	-388	SLU 24	-388	-8821	-68363	-7073	-8821	1	Si
182	0.061	7.6	0	-622	SLU 33	-622	-8821	-68363	-7073	-8821	1	Si
201	0.061	7.6	0	-866	SLU 33	-866	-8821	-68363	-7073	-8821	1	Si
220	0.061	7.6	0	-1110	SLU 33	-1110	-8821	-68363	-7073	-8821	1	Si
230	0.061	7.6	0	-1231	SLU 33	-1231	-8821	-68363	-7073	-8821	1	Si
249	0.061	7.6	0	-1475	SLU 33	-1475	-8821	-68363	-7073	-8821	1	Si
267	0.061	7.6	0	-1708	SLU 33	-1708	-8821	-68363	-7073	-8821	1	Si
268	0	7.6	0	-1718	SLU 33	-1718	-8821	-68363	0	-8821	1	Si
287	0	7.6	0	-1962	SLU 33	-1962	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	6042	SLV 3	7323	8821	68363	0	8821	1	Si
0	0	7.6	0	-3807	SLV 13	-5087	-8821	-68363	0	-8821	1	Si
19	0	7.6	0	5879	SLV 3	7159	8821	68363	0	8821	1	Si
19	0	7.6	0	-3971	SLV 13	-5251	-8821	-68363	0	-8821	1	Si
20	0.061	7.6	0	5871	SLV 3	7152	8821	68363	7073	8821	1	Si
20	0.061	7.6	0	-3978	SLV 13	-5258	-8821	-68363	-7073	-8821	1	Si
38	0.061	7.6	0	5715	SLV 3	6995	8821	68363	7073	8821	1	Si
38	0.061	7.6	0	-4134	SLV 13	-5415	-8821	-68363	-7073	-8821	1	Si
57	0.061	7.6	0	5551	SLV 3	6831	8821	68363	7073	8821	1	Si
57	0.061	7.6	0	-4298	SLV 13	-5579	-8821	-68363	-7073	-8821	1	Si
77	0.061	7.6	0	5387	SLV 3	6667	8821	68363	7073	8821	1	Si
77	0.061	7.6	0	-4462	SLV 13	-5742	-8821	-68363	-7073	-8821	1	Si
86	0.061	7.6	0	5305	SLV 3	6586	8821	68363	7073	8821	1	Si
86	0.061	7.6	0	-4544	SLV 13	-5824	-8821	-68363	-7073	-8821	1	Si
105	0.061	7.6	0	5141	SLV 3	6422	8821	68363	7073	8821	1	Si
105	0.061	7.6	0	-4708	SLV 13	-5988	-8821	-68363	-7073	-8821	1	Si
125	0.061	7.6	0	4978	SLV 3	6258	8821	68363	7073	8821	1	Si
125	0.061	7.6	0	-4872	SLV 13	-6152	-8821	-68363	-7073	-8821	1	Si
144	0.061	7.6	0	4814	SLV 3	6094	8821	68363	7073	8821	1	Si
144	0.061	7.6	0	-5035	SLV 13	-6316	-8821	-68363	-7073	-8821	1	Si
163	0.061	7.6	0	4650	SLV 3	5930	8821	68363	7073	8821	1	Si
163	0.061	7.6	0	-5199	SLV 13	-6480	-8821	-68363	-7073	-8821	1	Si
182	0.061	7.6	0	4486	SLV 3	5766	8821	68363	7073	8821	1	Si
182	0.061	7.6	0	-5363	SLV 13	-6643	-8821	-68363	-7073	-8821	1	Si
201	0.061	7.6	0	4322	SLV 3	5603	8821	68363	7073	8821	1	Si
201	0.061	7.6	0	-5527	SLV 13	-6807	-8821	-68363	-7073	-8821	1	Si
220	0.061	7.6	0	4159	SLV 3	5439	8821	68363	7073	8821	1	Si
220	0.061	7.6	0	-5691	SLV 13	-6971	-8821	-68363	-7073	-8821	1	Si
230	0.061	7.6	0	4077	SLV 3	5357	8821	68363	7073	8821	1	Si
230	0.061	7.6	0	-5772	SLV 13	-7053	-8821	-68363	-7073	-8821	1	Si
249	0.061	7.6	0	3913	SLV 3	5193	8821	68363	7073	8821	1	Si
249	0.061	7.6	0	-5936	SLV 13	-7217	-8821	-68363	-7073	-8821	1	Si
267	0.061	7.6	0	3756	SLV 3	5037	8821	68363	7073	8821	1	Si
267	0.061	7.6	0	-6093	SLV 13	-7373	-8821	-68363	-7073	-8821	1	Si
268	0	7.6	0	3749	SLV 3	5029	8821	68363	0	8821	1	Si
268	0	7.6	0	-6100	SLV 13	-7380	-8821	-68363	0	-8821	1	Si
287	0	7.6	0	3585	SLV 3	4866	8821	68363	0	8821	1	Si
287	0	7.6	0	-6264	SLV 13	-7544	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3297	SLD 3	3297	8821	68363	0	8821	1	Si
0	0	7.6	0	-1061	SLD 13	-1061	-8821	-68363	0	-8821	1	Si
19	0	7.6	0	3133	SLD 3	3133	8821	68363	0	8821	1	Si
19	0	7.6	0	-1225	SLD 13	-1225	-8821	-68363	0	-8821	1	Si
20	0.061	7.6	0	3126	SLD 3	3126	8821	68363	7073	8821	1	Si
20	0.061	7.6	0	-1232	SLD 13	-1232	-8821	-68363	-7073	-8821	1	Si
38	0.061	7.6	0	2969	SLD 3	2969	8821	68363	7073	8821	1	Si
38	0.061	7.6	0	-1389	SLD 13	-1389	-8821	-68363	-7073	-8821	1	Si
57	0.061	7.6	0	2805	SLD 3	2805	8821	68363	7073	8821	1	Si
57	0.061	7.6	0	-1553	SLD 13	-1553	-8821	-68363	-7073	-8821	1	Si
77	0.061	7.6	0	2641	SLD 3	2641	8821	68363	7073	8821	1	Si
77	0.061	7.6	0	-1716	SLD 13	-1716	-8821	-68363	-7073	-8821	1	Si
86	0.061	7.6	0	2560	SLD 3	2560	8821	68363	7073	8821	1	Si
86	0.061	7.6	0	-1798	SLD 13	-1798	-8821	-68363	-7073	-8821	1	Si
105	0.061	7.6	0	2396	SLD 3	2396	8821	68363	7073	8821	1	Si
105	0.061	7.6	0	-1962	SLD 13	-1962	-8821	-68363	-7073	-8821	1	Si
125	0.061	7.6	0	2232	SLD 3	2232	8821	68363	7073	8821	1	Si
125	0.061	7.6	0	-2126	SLD 13	-2126	-8821	-68363	-7073	-8821	1	Si
144	0.061	7.6	0	2068	SLD 3	2068	8821	68363	7073	8821	1	Si
144	0.061	7.6	0	-2290	SLD 13	-2290	-8821	-68363	-7073	-8821	1	Si
163	0.061	7.6	0	1904	SLD 3	1904	8821	68363	7073	8821	1	Si
163	0.061	7.6	0	-2454	SLD 13	-2454	-8821	-68363	-7073	-8821	1	Si
182	0.061	7.6	0	1740	SLD 3	1740	8821	68363	7073	8821	1	Si
182	0.061	7.6	0	-2617	SLD 13	-2617	-8821	-68363	-7073	-8821	1	Si
201	0.061	7.6	0	1577	SLD 3	1577	8821	68363	7073	8821	1	Si
201	0.061	7.6	0	-2781	SLD 13	-2781	-8821	-68363	-7073	-8821	1	Si
220	0.061	7.6	0	1413	SLD 3	1413	8821	68363	7073	8821	1	Si
220	0.061	7.6	0	-2945	SLD 13	-2945	-8821	-68363	-7073	-8821	1	Si
230	0.061	7.6	0	1331	SLD 3	1331	8821	68363	7073	8821	1	Si
230	0.061	7.6	0	-3027	SLD 13	-3027	-8821	-68363	-7073	-8821	1	Si
249	0.061	7.6	0	1167	SLD 3	1167	8821	68363	7073	8821	1	Si
249	0.061	7.6	0	-3191	SLD 13	-3191	-8821	-68363	-7073	-8821	1	Si
267	0.061	7.6	0	1010	SLD 3	1010	8821	68363	7073	8821	1	Si
267	0.061	7.6	0	-3347	SLD 13	-3347	-8821	-68363	-7073	-8821	1	Si
268	0	7.6	0	1003	SLD 3	1003	8821	68363	0	8821	1	Si
268	0	7.6	0	-3354	SLD 13	-3354	-8821	-68363	0	-8821	1	Si
287	0	7.6	0	840	SLD 3	840	8821	68363	0	8821	1	Si
287	0	7.6	0	-3518	SLD 13	-3518	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara	Quasi permanente	Verifica

	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-45835	7	-33873	0.9	124.5	13.2	1837	-39912	2	-28765	1.3	93.4	0	+∞	Si
19	-25078	2	-25078	0.7	124.5	9.8	1837	-20057	2	-20057	0.9	93.4	0	+∞	Si
20	-24309	2	-24309	0.6	124.5	9.5	1837	-19297	2	-19297	0.9	93.4	0	+∞	Si
38	5070	4	26183	0.7	124.5	10.2	1837	3916	1	22849	1	93.4	0	+∞	Si
38	-8182	2	-24309	0.6	124.5	9.5	1837	-3342	2	-19297	0.9	93.4	0	+∞	Si
57	19683	8	36170	0.9	124.5	14.1	1837	17219	1	31390	1.4	93.4	0	+∞	Si
77	31455	8	42701	1.1	124.5	16.7	1837	27382	1	36791	1.7	93.4	0	+∞	Si
86	36045	8	44670	1.2	124.5	17.5	1837	31286	1	38313	1.7	93.4	0	+∞	Si
105	42634	8	46038	1.2	124.5	18	1837	36739	1	39052	1.8	93.4	0	+∞	Si
125	45767	8	46038	1.2	124.5	18	1837	39052	1	39052	1.8	93.4	0	+∞	Si
144	45445	8	46038	1.2	124.5	18	1837	38226	1	39052	1.8	93.4	0	+∞	Si
163	41667	8	46038	1.2	124.5	18	1837	34260	1	39032	1.8	93.4	0	+∞	Si
182	34435	8	44037	1.1	124.5	17.2	1837	27154	1	36688	1.6	93.4	0	+∞	Si
201	23747	8	38589	1	124.5	15.1	1837	16909	1	31205	1.4	93.4	0	+∞	Si
220	9604	8	29687	0.8	124.5	11.6	1837	3524	1	22582	1	93.4	0	+∞	Si
220	-4263	2	-29880	0.8	124.5	11.7	1837	-1148	2	-27041	1.2	93.4	0	+∞	Si
230	1236	8	23940	0.6	124.5	9.4	1837								Si
230	-11906	2	-39904	1	124.5	15.6	1837	-8882	2	-37155	1.7	93.4	0	+∞	Si
249	-29547	2	-49389	1.3	124.5	19.3	1837	-26704	2	-46720	2.1	93.4	0	+∞	Si
267	-49389	2	-49389	1.3	124.5	19.3	1837	-46720	2	-46720	2.1	93.4	0	+∞	Si
268	-50326	2	-50326	1.3	124.5	19.7	1837	-47665	2	-47665	2.1	93.4	0	+∞	Si
287	-74245	2	-60978	1.6	124.5	23.8	1837	-71766	2	-58404	2.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
38	0	0	0	0	0	0	0	0	0	0	0.001	1	0	1	9999	Si
57	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	1	0.001	1	9999	Si
77	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	1	0.001	1	9999	Si
86	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	1	0.001	1	9999	Si
105	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	1	0.001	1	9999	Si
125	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	1	0.001	1	9999	Si
134	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	1	0.001	1	9999	Si
144	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	1	0.001	1	9999	Si
163	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	1	0.001	1	9999	Si
182	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	1	0.001	1	9999	Si
201	0.001	0	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
220	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	1	0.001	1	9999	Si
230	0.001	0	0	0	0	0	0	0	0	0	0.001	1	0	1	9999	Si
249	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
267	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
268	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	947	6205	8821	SLV 3	0.46	1301	1.28	-19297	-822465	-962923	SLV 1	0.42	997	1.148	Si
38	790	6205	8821	SLV 3	0.47	1371	1.308	-19297	-822465	-962923	SLV 1	0.42	997	1.148	Si
57	626	6205	8821	SLV 3	0.47	1446	1.337	-11600	-781016	-962923	SLV 1	0.44	1168	1.225	Si
77	463	6205	8821	SLV 3	0.48	1525	1.367	3598	686798	962923	SLV 15	0.5	1680	1.422	Si
86	381	6205	8821	SLV 3	0.49	1565	1.381	10019	639703	962923	SLV 15	0.53	1996	1.526	Si
105	217	6205	8821	SLV 3	0.5	1647	1.41	20506	545549	962923	SLV 15	0.57	2474	1.666	Si
125	53	6205	8821	SLV 3	0.51	1733	1.44	27854	451460	962923	SLV 15	0.57	2474	1.666	Si
144	-111	-6205	-8821	SLV 13	0.5	1702	1.429	32062	357471	962923	SLV 15	0.57	2474	1.666	Si
163	-275	-6205	-8821	SLV 13	0.49	1618	1.4	33130	263645	962923	SLV 15	0.57	2474	1.666	Si
182	-438	-6205	-8821	SLV 13	0.48	1536	1.371	31059	170151	962923	SLV 15	0.57	2474	1.666	Si
201	-602	-6205	-8821	SLV 13	0.48	1457	1.341	-9167	-228135	-962923	SLV 13	0.57	2474	1.666	Si
220	-766	-6205	-8821	SLV 13	0.47	1382	1.312	-27041	-318511	-962923	SLV 13	0.57	2474	1.666	Si
230	-848	-6205	-8821	SLV 13	0.46	1345	1.298	-37155	-364264	-962923	SLV 13	0.57	2474	1.666	Si
249	-1012	-6205	-8821	SLV 13	0.45	1273	1.269	-46720	-404767	-962923	SLV 13	0.57	2474	1.666	Si
267	-1168	-6205	-8821	SLV 13	0.44	1207	1.242	-46720	-404767	-962923	SLV 13	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	947	2179	8821	SLD 3	0.48	1503	3.418	-19297	-363927	-962923	SLD 1	0.35	644	2.415	Si
38	790	2179	8821	SLD 3	0.49	1585	3.493	-19297	-363927	-962923	SLD 1	0.35	644	2.415	Si
57	626	2179	8821	SLD 3	0.5	1673	3.572	-11600	-345587	-962923	SLD 1	0.37	746	2.565	Si
77	463	2179	8821	SLD 3	0.51	1763	3.649	3598	303900	962923	SLD 15	0.42	1049	2.949	Si
86	381	2179	8821	SLD 3	0.51	1810	3.689	10019	283062	962923	SLD 15	0.45	1246	3.165	Si
105	217	2179	8821	SLD 3	0.52	1905	3.767	20506	241403	962923	SLD 15	0.52	1848	3.72	Si
125	53	2179	8821	SLD 3	0.53	2005	3.847	27854	199772	962923	SLD 15	0.6	2474	4.193	Si
144	-111	-2179	-8821	SLD 13	0.53	1969	3.818	32062	158184	962923	SLD 15	0.6	2474	4.193	Si
163	-275	-2179	-8821	SLD 13	0.52	1872	3.74	33130	116669	962923	SLD 15	0.6	2474	4.193	Si
182	-438	-2179	-8821	SLD 13	0.51	1777	3.661	31059	75298	962923	SLD 15	0.6	2474	4.193	Si
201	-602	-2179	-8821	SLD 13	0.5	1685	3.582	-9167	-100908	-962923	SLD 13	0.6	2474	4.193	Si
220	-766	-2179	-8821	SLD 13	0.49	1597	3.504	-27041	-140897	-962923	SLD 13	0.6	2474	4.193	Si
230	-848	-2179	-8821	SLD 13	0.49	1555	3.466	-37155	-161141	-962923	SLD 13	0.6	2474	4.193	Si
249	-1012	-2179	-8821	SLD 13	0.48	1471	3.388	-46720	-179063	-962923	SLD 13	0.6	2474	4.193	Si
267	-1168	-2179	-8821	SLD 13	0.47	1393	3.313	-46720	-179063	-962923	SLD 13	0.6	2474	4.193	Si

Campata 4 tra i fili 6 - 7, sezione R 40x70, asta 1226

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	43872	SLU 22	43872	962923	0.078						Si
18	7.6	5.4	7.6	5.4	53388	SLU 22	53378	962923	0.078						Si
20	7.6	5.4	7.6	5.4	54166	SLU 22	63434	962923	0.078						Si
36	7.6	5.4	7.6	5.4	59676	SLU 26	65508	962923	0.078						Si
54	7.6	5.4	7.6	5.4	64497	SLU 26	65551	962923	0.078						Si
63	7.6	5.4	7.6	5.4	65495	SLU 26	65551	962923	0.078						Si
81	7.6	5.4	7.6	5.4	64666	SLU 26	65551	962923	0.078						Si
99	7.6	5.4	7.6	5.4	60072	SLU 26	65551	962923	0.078						Si
117	7.6	5.4	7.6	5.4	51871	SLU 35	63260	962923	0.078						Si
135	7.6	5.4	7.6	5.4	39860	SLU 35	57215	962923	0.078	11869	SLU 2	-8292	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
153	7.6	5.4	7.6	5.4	23733	SLU 35	47643	962923	0.078	420	SLU 2	-27960	-962923	0.078	Si
171	7.6	5.4	7.6	5.4	4240	SLU 8	34047	962923	0.078	-14449	SLU 29	-52783	-962923	0.078	Si
189	7.6	5.4	7.6	5.4	-14357	SLU 8	16487	962923	0.078	-36997	SLU 29	-81431	-962923	0.078	Si
198	7.6	5.4	7.6	5.4	-24813	SLU 8	6403	962923	0.078	-49658	SLU 29	-97158	-962923	0.078	Si
207	11.15	5.4	7.6	5.4						-63273	SLU 30	-113809	-1384634	0.086	Si
216	12	5.4	7.6	5.4						-77863	SLU 30	-131386	-1485363	0.088	Si
234	13.7	5.4	7.6	5.4						-109816	SLU 30	-141651	-1686702	0.092	Si
250	15.21	5.4	7.6	5.4						-141651	SLU 36	-141651	-1865528	0.096	Si
252	15.21	5.4	7.6	5.4						-146044	SLU 36	-145885	-1865528	0.096	Si
270	15.21	5.4	7.6	5.4						-188665	SLU 36	-163932	-1865528	0.096	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	680754	SLV 15	641411	962923	0.078	-641513	SLV 1	-590724	-962923	0.078	Si
18	7.6	5.4	7.6	5.4	608498	SLV 15	608064	962923	0.078	-551206	SLV 1	-550776	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	600242	SLV 15	600242	962923	0.078	-541406	SLV 1	-541406	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	533513	SLV 15	600242	962923	0.078	-463707	SLV 1	-541406	-962923	0.078	Si
54	7.6	5.4	7.6	5.4	455812	SLV 15	579891	962923	0.078	-379030	SLV 1	-517248	-962923	0.078	Si
63	7.6	5.4	7.6	5.4	415952	SLV 15	542214	962923	0.078	-337758	SLV 1	-473689	-962923	0.078	Si
81	7.6	5.4	7.6	5.4	334232	SLV 15	464826	962923	0.078	-257368	SLV 1	-388687	-962923	0.078	Si
99	7.6	5.4	7.6	5.4	249899	SLV 15	384745	962923	0.078	-179902	SLV 1	-306530	-962923	0.078	Si
117	7.6	5.4	7.6	5.4	163071	SLV 15	302011	962923	0.078	-105478	SLV 1	-227258	-962923	0.078	Si
135	7.6	5.4	7.6	5.4	74540	SLV 11	216702	962923	0.078	-34888	SLV 5	-150947	-962923	0.078	Si
153	7.6	5.4	7.6	5.4	56155	SLV 3	155742	962923	0.078	-39980	SLV 13	-189299	-962923	0.078	Si
171	7.6	5.4	7.6	5.4	118161	SLV 3	215709	962923	0.078	-131002	SLV 13	-287223	-962923	0.078	Si
189	7.6	5.4	7.6	5.4	179053	SLV 3	273851	962923	0.078	-226446	SLV 13	-388858	-962923	0.078	Si
207	11.15	5.4	7.6	5.4	238378	SLV 3	329792	963356	0.079	-325859	SLV 13	-493830	-1384634	0.086	Si
216	12	5.4	7.6	5.4	267319	SLV 3	356858	963427	0.08	-376921	SLV 13	-547487	-1485363	0.088	Si
234	13.7	5.4	7.6	5.4	323534	SLV 3	371420	963546	0.08	-481529	SLV 13	-577199	-1686702	0.092	Si
250	15.21	5.4	7.6	5.4	371420	SLV 3	371420	963633	0.08	-577199	SLV 13	-577199	-1865528	0.096	Si
252	15.21	5.4	7.6	5.4	377328	SLV 3	376280	963633	0.08	-589253	SLV 13	-587979	-1865528	0.096	Si
270	15.21	5.4	7.6	5.4	428560	SLV 3	396999	963633	0.08	-699951	SLV 13	-633935	-1865528	0.096	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	312079	SLD 15	297866	962923	0.078	-272838	SLD 1	-247178	-962923	0.078	Si
18	7.6	5.4	7.6	5.4	285147	SLD 15	284954	962923	0.078	-227856	SLD 1	-227667	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	281926	SLD 15	281926	962923	0.078	-223090	SLD 1	-223090	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	255465	SLD 15	281926	962923	0.078	-185659	SLD 1	-223090	-962923	0.078	Si
54	7.6	5.4	7.6	5.4	223037	SLD 15	273984	962923	0.078	-146255	SLD 1	-211342	-962923	0.078	Si
63	7.6	5.4	7.6	5.4	205797	SLD 15	258957	962923	0.078	-127603	SLD 1	-190431	-962923	0.078	Si
81	7.6	5.4	7.6	5.4	169275	SLD 15	226845	962923	0.078	-92411	SLD 1	-150706	-962923	0.078	Si
99	7.6	5.4	7.6	5.4	130053	SLD 15	191997	962923	0.078	-60056	SLD 1	-113783	-962923	0.078	Si
117	7.6	5.4	7.6	5.4	88182	SLD 15	154432	962923	0.078	-30589	SLD 1	-79679	-962923	0.078	Si
135	7.6	5.4	7.6	5.4	44021	SLD 11	114183	962923	0.078	-4368	SLD 5	-48429	-962923	0.078	Si
153	7.6	5.4	7.6	5.4	29353	SLD 3	71326	962923	0.078	-13179	SLD 13	-93100	-962923	0.078	Si
171	7.6	5.4	7.6	5.4	48695	SLD 3	75487	962923	0.078	-61535	SLD 13	-147000	-962923	0.078	Si
189	7.6	5.4	7.6	5.4	65997	SLD 3	89080	962923	0.078	-113389	SLD 13	-204087	-962923	0.078	Si
207	11.15	5.4	7.6	5.4	81063	SLD 3	100157	963356	0.079	-168544	SLD 13	-264195	-1384634	0.086	Si
216	12	5.4	7.6	5.4	87698	SLD 3	104716	963427	0.08	-197299	SLD 13	-295345	-1485363	0.088	Si
234	13.7	5.4	7.6	5.4	99073	SLD 3	106934	963546	0.08	-257068	SLD 13	-312713	-1686702	0.092	Si
250	15.21	5.4	7.6	5.4	106934	SLD 3	106934	963633	0.08	-312713	SLD 13	-312713	-1865528	0.096	Si
252	15.21	5.4	7.6	5.4	107834	SLD 3	107434	963633	0.08	-319759	SLD 13	-319132	-1865528	0.096	Si
270	15.21	5.4	7.6	5.4	113918	SLD 3	109562	963633	0.08	-385309	SLD 13	-346498	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	957	SLU 34	957	8821	68363	0	8821	1	Si
18	0	7.6	0	728	SLU 34	728	8821	68363	0	8821	1	Si
20	0.061	7.6	0	703	SLU 34	703	8821	68363	7104	8821	1	Si
36	0.061	7.6	0	499	SLU 34	499	8821	68363	7104	8821	1	Si
54	0.061	7.6	0	274	SLU 16	274	8821	68363	7104	8821	1	Si
63	0.061	7.6	0	179	SLU 16	179	8821	68363	7104	8821	1	Si
63	0.061	7.6	0	-30	SLU 22	-30	-8821	-68363	-7104	-8821	1	Si
81	0.061	7.6	0	-216	SLU 22	-216	-8821	-68363	-7104	-8821	1	Si
99	0.061	7.6	0	-402	SLU 22	-402	-8821	-68363	-7104	-8821	1	Si
117	0.061	7.6	0	-588	SLU 22	-588	-8821	-68363	-7104	-8821	1	Si
135	0.061	7.6	0	-782	SLU 35	-782	-8821	-68363	-7104	-8821	1	Si
153	0.061	7.6	0	-1010	SLU 35	-1010	-8821	-68363	-7104	-8821	1	Si
171	0.061	7.6	0	-1239	SLU 35	-1239	-8821	-68363	-7104	-8821	1	Si
189	0.061	7.6	0	-1468	SLU 35	-1468	-8821	-68363	-7104	-8821	1	Si
207	0.061	7.6	0	-1696	SLU 35	-1696	-8821	-68363	-7104	-8821	1	Si
216	0.061	7.6	0	-1811	SLU 35	-1811	-8821	-68363	-7104	-8821	1	Si
234	0.061	7.6	0	-2039	SLU 35	-2039	-8821	-68363	-7104	-8821	1	Si
250	0.061	7.6	0	-2243	SLU 35	-2243	-8821	-68363	-7104	-8821	1	Si
252	0	7.6	0	-2268	SLU 35	-2268	-8821	-68363	0	-8821	1	Si
261	0	7.6	0	-2382	SLU 35	-2382	-8821	-68363	0	-8821	1	Si
270	0	11.15	0	-2497	SLU 35	-2497	-10022	-68363	0	-10022	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5103	SLV 1	6279	8821	68363	0	8821	1	Si
0	0	7.6	0	-3946	SLV 15	-5122	-8821	-68363	0	-8821	1	Si
18	0	7.6	0	4949	SLV 1	6125	8821	68363	0	8821	1	Si
18	0	7.6	0	-4100	SLV 15	-5276	-8821	-68363	0	-8821	1	Si
20	0.061	7.6	0	4932	SLV 1	6108	8821	68363	7104	8821	1	Si
20	0.061	7.6	0	-4117	SLV 15	-5293	-8821	-68363	-7104	-8821	1	Si
36	0.061	7.6	0	4795	SLV 1	5971	8821	68363	7104	8821	1	Si
36	0.061	7.6	0	-4254	SLV 15	-5430	-8821	-68363	-7104	-8821	1	Si
54	0.061	7.6	0	4641	SLV 1	5818	8821	68363	7104	8821	1	Si
54	0.061	7.6	0	-4407	SLV 15	-5584	-8821	-68363	-7104	-8821	1	Si
63	0.061	7.6	0	4564	SLV 1	5741	8821	68363	7104	8821	1	Si
63	0.061	7.6	0	-4484	SLV 15	-5661	-8821	-68363	-7104	-8821	1	Si
81	0.061	7.6	0	4411	SLV 1	5587	8821	68363	7104	8821	1	Si
81	0.061	7.6	0	-4638	SLV 15	-5815	-8821	-68363	-7104	-8821	1	Si
99	0.061	7.6	0	4257	SLV 1	5433	8821	68363	7104	8821	1	Si
99	0.061	7.6	0	-4792	SLV 15	-5968	-8821	-68363	-7104	-8821	1	Si
117	0.061	7.6	0	4103	SLV 1	5279	8821	68363	7104	8821	1	Si
117	0.061	7.6	0	-4946	SLV 15	-6122	-8821	-68363	-7104	-8821	1	Si
135	0.061	7.6	0	3949	SLV 1	5125	8821	68363	7104	8821	1	Si
135	0.061	7.6	0	-5100	SLV 15	-6276	-8821	-68363	-7104	-8821	1	Si
153	0.061	7.6	0	3795	SLV 1	4972	8821	68363	7104	8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
153	0.061	7.6	0	-5253	SLV 15	-6430	-8821	-68363	-7104	-8821	1	Si
171	0.061	7.6	0	3641	SLV 1	4818	8821	68363	7104	8821	1	Si
171	0.061	7.6	0	-5407	SLV 15	-6584	-8821	-68363	-7104	-8821	1	Si
189	0.061	7.6	0	3488	SLV 1	4664	8821	68363	7104	8821	1	Si
189	0.061	7.6	0	-5561	SLV 15	-6737	-8821	-68363	-7104	-8821	1	Si
207	0.061	7.6	0	3334	SLV 1	4510	8821	68363	7104	8821	1	Si
207	0.061	7.6	0	-5715	SLV 15	-6891	-8821	-68363	-7104	-8821	1	Si
216	0.061	7.6	0	3257	SLV 1	4433	8821	68363	7104	8821	1	Si
216	0.061	7.6	0	-5792	SLV 15	-6968	-8821	-68363	-7104	-8821	1	Si
234	0.061	7.6	0	3103	SLV 1	4280	8821	68363	7104	8821	1	Si
234	0.061	7.6	0	-5946	SLV 15	-7122	-8821	-68363	-7104	-8821	1	Si
250	0.061	7.6	0	2966	SLV 1	4143	8821	68363	7104	8821	1	Si
250	0.061	7.6	0	-6082	SLV 15	-7259	-8821	-68363	-7104	-8821	1	Si
252	0	7.6	0	2949	SLV 1	4126	8821	68363	0	8821	1	Si
252	0	7.6	0	-6099	SLV 15	-7276	-8821	-68363	0	-8821	1	Si
261	0	7.6	0	2872	SLV 1	4049	8821	68363	0	8821	1	Si
261	0	7.6	0	-6176	SLV 15	-7353	-8821	-68363	0	-8821	1	Si
270	0	7.6	0	2796	SLV 1	3972	8821	68363	0	8821	1	Si
270	0	11.15	0	-6253	SLV 15	-7429	-10022	-68363	0	-10022	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2580	SLD 1	2580	8821	68363	0	8821	1	Si
0	0	7.6	0	-1423	SLD 15	-1423	-8821	-68363	0	-8821	1	Si
18	0	7.6	0	2426	SLD 1	2426	8821	68363	0	8821	1	Si
18	0	7.6	0	-1577	SLD 15	-1577	-8821	-68363	0	-8821	1	Si
20	0.061	7.6	0	2409	SLD 1	2409	8821	68363	7104	8821	1	Si
20	0.061	7.6	0	-1594	SLD 15	-1594	-8821	-68363	-7104	-8821	1	Si
36	0.061	7.6	0	2272	SLD 1	2272	8821	68363	7104	8821	1	Si
36	0.061	7.6	0	-1731	SLD 15	-1731	-8821	-68363	-7104	-8821	1	Si
54	0.061	7.6	0	2118	SLD 1	2118	8821	68363	7104	8821	1	Si
54	0.061	7.6	0	-1885	SLD 15	-1885	-8821	-68363	-7104	-8821	1	Si
63	0.061	7.6	0	2041	SLD 1	2041	8821	68363	7104	8821	1	Si
63	0.061	7.6	0	-1961	SLD 15	-1961	-8821	-68363	-7104	-8821	1	Si
81	0.061	7.6	0	1888	SLD 1	1888	8821	68363	7104	8821	1	Si
81	0.061	7.6	0	-2115	SLD 15	-2115	-8821	-68363	-7104	-8821	1	Si
99	0.061	7.6	0	1734	SLD 1	1734	8821	68363	7104	8821	1	Si
99	0.061	7.6	0	-2269	SLD 15	-2269	-8821	-68363	-7104	-8821	1	Si
117	0.061	7.6	0	1580	SLD 1	1580	8821	68363	7104	8821	1	Si
117	0.061	7.6	0	-2423	SLD 15	-2423	-8821	-68363	-7104	-8821	1	Si
135	0.061	7.6	0	1426	SLD 1	1426	8821	68363	7104	8821	1	Si
135	0.061	7.6	0	-2577	SLD 15	-2577	-8821	-68363	-7104	-8821	1	Si
153	0.061	7.6	0	1272	SLD 1	1272	8821	68363	7104	8821	1	Si
153	0.061	7.6	0	-2731	SLD 15	-2731	-8821	-68363	-7104	-8821	1	Si
171	0.061	7.6	0	1119	SLD 1	1119	8821	68363	7104	8821	1	Si
171	0.061	7.6	0	-2884	SLD 15	-2884	-8821	-68363	-7104	-8821	1	Si
189	0.061	7.6	0	965	SLD 1	965	8821	68363	7104	8821	1	Si
189	0.061	7.6	0	-3038	SLD 15	-3038	-8821	-68363	-7104	-8821	1	Si
207	0.061	7.6	0	811	SLD 1	811	8821	68363	7104	8821	1	Si
207	0.061	7.6	0	-3192	SLD 15	-3192	-8821	-68363	-7104	-8821	1	Si
216	0.061	7.6	0	734	SLD 1	734	8821	68363	7104	8821	1	Si
216	0.061	7.6	0	-3269	SLD 15	-3269	-8821	-68363	-7104	-8821	1	Si
234	0.061	7.6	0	580	SLD 1	580	8821	68363	7104	8821	1	Si
234	0.061	7.6	0	-3423	SLD 15	-3423	-8821	-68363	-7104	-8821	1	Si
250	0.061	7.6	0	444	SLD 1	444	8821	68363	7104	8821	1	Si
250	0.061	7.6	0	-3559	SLD 15	-3559	-8821	-68363	-7104	-8821	1	Si
252	0	7.6	0	426	SLD 1	426	8821	68363	0	8821	1	Si
252	0	7.6	0	-3576	SLD 15	-3576	-8821	-68363	0	-8821	1	Si
261	0	7.6	0	350	SLD 1	350	8821	68363	0	8821	1	Si
261	0	7.6	0	-3653	SLD 15	-3653	-8821	-68363	0	-8821	1	Si
270	0	7.6	0	273	SLD 1	273	8821	68363	0	8821	1	Si
270	0	11.15	0	-3730	SLD 15	-3730	-10022	-68363	0	-10022	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	28364	4	28364	0.7	124.5	11.1	1837	25985	1	25985	1.2	93.4	0	+∞	Si
18	37031	4	37027	1	124.5	14.5	1837	34862	1	34859	1.6	93.4	0	+∞	Si
20	37763	4	46461	1.2	124.5	18.2	1837	35618	1	43585	2	93.4	0	+∞	Si
36	43010	8	48641	1.3	124.5	19	1837	40971	1	44942	2	93.4	0	+∞	Si
54	47475	8	48893	1.3	124.5	19.1	1837	44310	1	44942	2	93.4	0	+∞	Si
63	48565	8	48893	1.3	124.5	19.1	1837	44942	1	44942	2	93.4	0	+∞	Si
81	48460	8	48893	1.3	124.5	19.1	1837	44129	1	44942	2	93.4	0	+∞	Si
99	45308	8	48893	1.3	124.5	19.1	1837	40547	1	44896	2	93.4	0	+∞	Si
117	39110	8	47540	1.2	124.5	18.6	1837	34197	1	43017	1.9	93.4	0	+∞	Si
135	29865	8	43215	1.1	124.5	16.9	1837	25078	1	38369	1.7	93.4	0	+∞	Si
153	17573	8	35844	0.9	124.5	14	1837	13191	1	30953	1.4	93.4	0	+∞	Si
171	2235	8	25426	0.7	124.5	9.9	1837								Si
171	-9724	2	-38901	1	124.5	15.2	1837	-6420	2	-35757	1.6	93.4	0	+∞	Si
189	-26901	2	-60633	1.6	124.5	23.7	1837	-23696	2	-57504	2.6	93.4	0	+∞	Si
207	-46866	3	-85155	3.3	124.5	130	1837	-43740	2	-82019	3.2	93.4	0	+∞	Si
216	-57930	3	-98454	3.7	124.5	140	1837	-54801	2	-95314	3.6	93.4	0	+∞	Si
234	-82133	3	-106195	3.8	124.5	133	1837	-78997	2	-102889	3.7	93.4	0	+∞	Si
250	-106195	9	-106195	3.7	124.5	120.4	1837	-102889	2	-102889	3.6	93.4	0	+∞	Si
252	-109488	9	-109368	3.8	124.5	124	1837	-105962	2	-105849	3.7	93.4	0	+∞	Si
270	-141408	9	-122894	4.3	124.5	139.3	1837	-135696	2	-118468	4.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
36	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
54	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	1	0.001	1	9999	Si
63	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	1	0.001	1	9999	Si
81	0.001	0	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
90	0.001	0	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
99	0.001	0	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
117	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	1	0.001	1	9999	Si
135	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	1	0	1	9999	Si
153	0.001	0	0	0	0	0	0	0	0	0	0.001	1	0	1	9999	Si
171	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
189	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
207	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
216	0	0	0	0	0	0	0	0	0	0	0	1	-0.001	1	9999	Si
234	0	0	0	0	0	0	0	0	0	0	0	1	-0.001	1	9999	Si
250	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
252	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	407	5701	8821	SLV 1	0.53	1947	1.511	29418	570824	962923	SLV 15	0.57	2474	1.666	Si
36	271	5701	8821	SLV 1	0.53	2032	1.537	29418	570824	962923	SLV 15	0.57	2474	1.666	Si
54	117	5701	8821	SLV 1	0.54	2132	1.568	31321	548570	962923	SLV 15	0.57	2474	1.666	Si
63	40	5701	8821	SLV 1	0.55	2182	1.583	34263	507951	962923	SLV 15	0.57	2474	1.666	Si
81	-114	-5701	-8821	SLV 15	0.54	2134	1.568	38069	426756	962923	SLV 15	0.57	2474	1.666	Si
99	-268	-5701	-8821	SLV 15	0.53	2034	1.538	39107	345637	962923	SLV 15	0.57	2474	1.666	Si
117	-421	-5701	-8821	SLV 15	0.53	1938	1.508	37377	264635	962923	SLV 15	0.57	2474	1.666	Si
135	-575	-5701	-8821	SLV 15	0.52	1844	1.477	32877	183824	962923	SLV 15	0.57	2474	1.666	Si
153	-729	-5701	-8821	SLV 15	0.51	1754	1.447	-16779	-172520	-962923	SLV 13	0.57	2474	1.666	Si
171	-883	-5701	-8821	SLV 15	0.5	1666	1.417	-35757	-251466	-962923	SLV 13	0.57	2474	1.666	Si
189	-1037	-5701	-8821	SLV 15	0.49	1581	1.387	-57504	-331354	-962923	SLV 13	0.57	2474	1.666	Si
207	-1190	-5701	-8821	SLV 15	0.48	1499	1.357	-82019	411811	963356	SLV 3	0.57	2474	1.666	Si
216	-1267	-5701	-8821	SLV 15	0.48	1459	1.342	-95314	452173	963427	SLV 3	0.57	2474	1.666	Si
234	-1421	-5701	-8821	SLV 15	0.47	1382	1.312	-102889	474310	963546	SLV 3	0.57	2474	1.666	Si
250	-1558	-5701	-8821	SLV 15	0.46	1315	1.286	-102889	474310	963633	SLV 3	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	407	2001	8821	SLD 1	0.55	2253	4.035	29418	252508	962923	SLD 15	0.49	1598	3.505	Si
36	271	2001	8821	SLD 1	0.56	2351	4.106	29418	252508	962923	SLD 15	0.49	1598	3.505	Si
54	117	2001	8821	SLD 1	0.57	2467	4.188	31321	242663	962923	SLD 15	0.51	1768	3.653	Si
63	40	2001	8821	SLD 1	0.58	2474	4.193	34263	224694	962923	SLD 15	0.55	2153	3.961	Si
81	-114	-2001	-8821	SLD 15	0.57	2469	4.189	38069	188775	962923	SLD 15	0.6	2474	4.193	Si
99	-268	-2001	-8821	SLD 15	0.56	2354	4.108	39107	152890	962923	SLD 15	0.6	2474	4.193	Si
117	-421	-2001	-8821	SLD 15	0.55	2243	4.028	37377	117056	962923	SLD 15	0.6	2474	4.193	Si
135	-575	-2001	-8821	SLD 15	0.54	2134	3.946	32877	81306	962923	SLD 15	0.6	2474	4.193	Si
153	-729	-2001	-8821	SLD 15	0.53	2030	3.866	-16779	-76321	-962923	SLD 13	0.6	2474	4.193	Si
171	-883	-2001	-8821	SLD 15	0.52	1928	3.785	-35757	-111244	-962923	SLD 13	0.6	2474	4.193	Si
189	-1037	-2001	-8821	SLD 15	0.52	1830	3.705	-57504	-146584	-962923	SLD 13	0.6	2474	4.193	Si
207	-1190	-2001	-8821	SLD 15	0.51	1734	3.624	-82019	182176	963356	SLD 3	0.6	2474	4.193	Si
216	-1267	-2001	-8821	SLD 15	0.5	1688	3.585	-95314	200031	963427	SLD 3	0.6	2474	4.193	Si
234	-1421	-2001	-8821	SLD 15	0.49	1598	3.505	-102889	209824	963546	SLD 3	0.6	2474	4.193	Si
250	-1558	-2001	-8821	SLD 15	0.48	1520	3.434	-102889	209824	963633	SLD 3	0.6	2474	4.193	Si

Campata 5 tra i fili 7 - 8, sezione R 40x70, asta 1227

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-46754	SLU 12	-46754	-1865528	0.096	Si
19	15.21	5.4	7.6	5.4						-52533	SLU 30	-52533	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-53048	SLU 30	-74537	-1865528	0.096	Si
38	13.48	5.4	7.6	5.4						-65426	SLU 30	-93002	-1660621	0.091	Si
57	11.67	5.4	7.6	5.4						-82513	SLU 30	-116449	-1446201	0.087	Si
67	10.77	5.4	7.6	5.4						-92629	SLU 30	-129745	-1338914	0.085	Si
86	7.6	5.4	7.6	5.4						-116006	SLU 30	-159482	-962923	0.078	Si
105	7.6	5.4	7.6	5.4						-143576	SLU 30	-193412	-962923	0.078	Si
125	7.6	5.4	7.6	5.4						-175340	SLU 30	-231588	-962923	0.078	Si
144	7.6	5.4	7.6	5.4						-211297	SLU 30	-276265	-962923	0.078	Si
163	7.6	5.4	7.6	5.4						-252579	SLU 36	-325608	-962923	0.078	Si
182	7.6	5.4	7.6	5.4						-299511	SLU 36	-379615	-962923	0.078	Si
192	7.6	5.4	7.6	5.4						-324727	SLU 36	-408369	-962923	0.078	Si
201	11.06	5.4	7.6	5.4						-351108	SLU 36	-438288	-1373839	0.086	Si
211	11.96	5.4	7.6	5.4						-378657	SLU 36	-469374	-1481103	0.088	Si
230	13.77	5.4	5.05	5.4						-437252	SLU 36	-535045	-1695877	0.095	Si
249	15.21	5.4	5.13	5.4						-500512	SLU 36	-565489	-1865868	0.1	Si
267	15.21	5.4	7.6	5.4						-565489	SLU 35	-565489	-1865528	0.096	Si
268	15.21	5.4	7.6	5.4						-568546	SLU 35	-568523	-1865528	0.096	Si
287	15.21	5.4	7.6	5.4						-642407	SLU 35	-602674	-1865528	0.096	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	632478	SLV 15	570500	963633	0.08	-673996	SLV 1	-618470	-1865528	0.096	Si
19	15.21	5.4	7.6	5.4	517449	SLV 15	517109	963633	0.08	-574352	SLV 1	-574086	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	512365	SLV 15	512365	963633	0.08	-570142	SLV 1	-570142	-1865528	0.096	Si
38	13.48	5.4	7.6	5.4	399907	SLV 15	512365	963532	0.08	-478473	SLV 1	-570142	-1660621	0.091	Si
57	11.67	5.4	7.6	5.4	279896	SLV 15	460941	963401	0.08	-386401	SLV 1	-527555	-1446201	0.087	Si
67	10.77	5.4	7.6	5.4	218977	SLV 15	401880	963321	0.079	-341806	SLV 1	-480058	-1338914	0.085	Si
86	7.6	5.4	7.6	5.4	95405	SLV 15	281910	962923	0.078	-255589	SLV 1	-387922	-962923	0.078	Si
105	7.6	5.4	7.6	5.4	22302	SLV 11	159520	962923	0.078	-226118	SLV 5	-304171	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	14241	SLV 7	101129	962923	0.078	-267966	SLV 9	-442555	-962923	0.078	Si
144	7.6	5.4	7.6	5.4	60633	SLV 3	177490	962923	0.078	-370543	SLV 13	-584621	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	138392	SLV 3	251012	962923	0.078	-510764	SLV 13	-730125	-962923	0.078	Si
182	7.6	5.4	7.6	5.4	213397	SLV 3	321608	962923	0.078	-654508	SLV 13	-878979	-962923	0.078	Si
192	7.6	5.4	7.6	5.4	249821	SLV 3	355793	962923	0.078	-727654	SLV 13	-954646	-962923	0.078	Si
201	11.06	5.4	7.6	5.4	285513	SLV 3	389228	963348	0.079	-801639	SLV 13	-1031133	-1373839	0.086	Si
211	11.96	5.4	7.6	5.4	320466	SLV 3	421911	963424	0.08	-876453	SLV 13	-1108437	-1481103	0.088	Si
230	13.77	5.4	5.05	5.4	388136	SLV 3	485006	660755	0.077	-1028553	SLV 13	-1265481	-1695877	0.095	Si
249	15.21	5.4	5.13	5.4	452797	SLV 3	511776	670865	0.078	-1183919	SLV 13	-1335596	-1865868	0.1	Si
267	15.21	5.4	7.6	5.4	511776	SLV 3	511776	963633	0.08	-1335596	SLV 13	-1335596	-1865528	0.096	Si
268	15.21	5.4	7.6	5.4	514422	SLV 3	514367	963633	0.08	-1342527	SLV 13	-1342437	-1865528	0.096	Si
287	15.21	5.4	7.6	5.4	572958	SLV 3	543522	963633	0.08	-1504394	SLV 13	-1419436	-1865528	0.096	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	268192	SLD 15	238979	963633	0.08	-309710	SLD 1	-286949	-1865528	0.096	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
19	15.21	5.4	7.6	5.4	213019	SLD 15	212848	963633	0.08	-269922	SLD 1	-269825	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	210526	SLD 15	210526	963633	0.08	-268303	SLD 1	-268303	-1865528	0.096	Si
38	13.48	5.4	7.6	5.4	154983	SLD 15	210526	963532	0.08	-233549	SLD 1	-268303	-1660621	0.091	Si
57	11.67	5.4	7.6	5.4	94105	SLD 15	185315	963401	0.08	-200610	SLD 1	-251929	-1446201	0.087	Si
67	10.77	5.4	7.6	5.4	62606	SLD 15	155964	963321	0.079	-185435	SLD 1	-234142	-1338914	0.085	Si
86	7.6	5.4	7.6	5.4	-2474	SLD 15	95134	962923	0.078	-157709	SLD 1	-201146	-962923	0.078	Si
105	7.6	5.4	7.6	5.4	-46956	SLD 11	31482	962923	0.078	-156859	SLD 5	-213203	-962923	0.078	Si
125	7.6	5.4	7.6	5.4						-189304	SLD 9	-290994	-962923	0.078	Si
144	7.6	5.4	7.6	5.4						-250349	SLD 13	-372162	-962923	0.078	Si
163	7.6	5.4	7.6	5.4						-329797	SLD 13	-456600	-962923	0.078	Si
182	7.6	5.4	7.6	5.4						-412553	SLD 13	-544270	-962923	0.078	Si
192	7.6	5.4	7.6	5.4						-455150	SLD 13	-589309	-962923	0.078	Si
201	11.06	5.4	7.6	5.4						-498556	SLD 13	-635149	-1373839	0.086	Si
211	11.96	5.4	7.6	5.4						-542766	SLD 13	-681787	-1481103	0.088	Si
230	13.77	5.4	5.05	5.4						-633592	SLD 13	-777454	-1695877	0.095	Si
249	15.21	5.4	5.13	5.4						-727613	SLD 13	-820557	-1865868	0.1	Si
267	15.21	5.4	7.6	5.4						-820557	SLD 13	-820557	-1865528	0.096	Si
268	15.21	5.4	7.6	5.4						-824817	SLD 13	-824768	-1865528	0.096	Si
287	15.21	5.4	7.6	5.4						-925234	SLD 13	-872170	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.77	0	-578	SLU 22	-578	-9905	-68363	0	-9905	1	Si
19	0	7.6	0	-776	SLU 22	-776	-8821	-68363	0	-8821	1	Si
20	0.072	7.6	0	-784	SLU 22	-784	-8821	-68363	-8336	-8821	1	Si
38	0.072	7.6	0	-974	SLU 22	-974	-8821	-68363	-8336	-8821	1	Si
57	0.072	7.6	0	-1172	SLU 22	-1172	-8821	-68363	-8336	-8821	1	Si
67	0.072	7.6	0	-1271	SLU 22	-1271	-8821	-68363	-8336	-8821	1	Si
86	0.072	7.6	0	-1469	SLU 22	-1469	-8821	-68363	-8336	-8821	1	Si
105	0.084	7.6	0	-1678	SLU 26	-1678	-8821	-68363	-9771	-9771	1	Si
125	0.084	7.6	0	-1904	SLU 35	-1904	-8821	-68363	-9771	-9771	1	Si
144	0.084	7.6	0	-2147	SLU 35	-2147	-8821	-68363	-9771	-9771	1	Si
163	0.084	7.6	0	-2390	SLU 35	-2390	-8821	-68363	-9771	-9771	1	Si
182	0.084	7.6	0	-2634	SLU 35	-2634	-8821	-68363	-9771	-9771	1	Si
201	0.086	7.6	0	-2877	SLU 35	-2877	-8821	-68363	-10004	-10004	1	Si
211	0.086	7.6	0	-2999	SLU 35	-2999	-8821	-68363	-10004	-10004	1	Si
230	0.086	7.6	0	-3242	SLU 35	-3242	-8821	-68363	-10004	-10004	1	Si
249	0.086	7.6	0	-3486	SLU 35	-3486	-8821	-68363	-10004	-10004	1	Si
267	0.086	11.06	0	-3719	SLU 35	-3719	-9995	-68363	-10004	-10004	1	Si
268	0	11.06	0	-3729	SLU 35	-3729	-9995	-68363	0	-9995	1	Si
287	0	12.87	0	-4021	SLU 35	-4021	-10512	-68363	0	-10512	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.77	0	5460	SLV 3	6962	9905	68363	0	9905	1	Si
0	0	7.6	0	-6099	SLV 13	-7601	-8821	-68363	0	-8821	1	Si
19	0	7.6	0	5296	SLV 3	6799	8821	68363	0	8821	1	Si
19	0	7.6	0	-6263	SLV 13	-7765	-8821	-68363	0	-8821	1	Si
20	0.072	7.6	0	5289	SLV 3	6792	8821	68363	8336	8821	1	Si
20	0.072	7.6	0	-6270	SLV 13	-7772	-8821	-68363	-8336	-8821	1	Si
38	0.072	7.6	0	5132	SLV 3	6635	8821	68363	8336	8821	1	Si
38	0.072	7.6	0	-6426	SLV 13	-7929	-8821	-68363	-8336	-8821	1	Si
57	0.072	7.6	0	4969	SLV 3	6471	8821	68363	8336	8821	1	Si
57	0.072	7.6	0	-6590	SLV 13	-8093	-8821	-68363	-8336	-8821	1	Si
67	0.072	7.6	0	4887	SLV 3	6389	8821	68363	8336	8821	1	Si
67	0.072	7.6	0	-6672	SLV 13	-8175	-8821	-68363	-8336	-8821	1	Si
86	0.072	7.6	0	4723	SLV 3	6226	8821	68363	8336	8821	1	Si
86	0.072	7.6	0	-6836	SLV 13	-8338	-8821	-68363	-8336	-8821	1	Si
105	0.084	7.6	0	4559	SLV 3	6062	8821	68363	9771	9771	1	Si
105	0.084	7.6	0	-6999	SLV 13	-8502	-8821	-68363	-9771	-9771	1	Si
125	0.084	7.6	0	4395	SLV 3	5898	8821	68363	9771	9771	1	Si
125	0.084	7.6	0	-7163	SLV 13	-8666	-8821	-68363	-9771	-9771	1	Si
144	0.084	7.6	0	4232	SLV 3	5734	8821	68363	9771	9771	1	Si
144	0.084	7.6	0	-7327	SLV 13	-8829	-8821	-68363	-9771	-9771	1	Si
163	0.084	5.05	0	4068	SLV 3	5571	7999	68363	9771	9771	1	Si
163	0.084	7.6	0	-7491	SLV 13	-8993	-8821	-68363	-9771	-9771	1	Si
182	0.084	5.13	0	3904	SLV 3	5407	7999	68363	9771	9771	1	Si
182	0.084	7.6	0	-7654	SLV 13	-9157	-8821	-68363	-9771	-9771	1	Si
201	0.086	7.6	0	3741	SLV 3	5243	8821	68363	10004	10004	1	Si
201	0.086	7.6	0	-7818	SLV 13	-9321	-8821	-68363	-10004	-10004	1	Si
211	0.086	7.6	0	3659	SLV 3	5161	8821	68363	10004	10004	1	Si
211	0.086	7.6	0	-7900	SLV 13	-9403	-8821	-68363	-10004	-10004	1	Si
230	0.086	7.6	0	3495	SLV 3	4998	8821	68363	10004	10004	1	Si
230	0.086	7.6	0	-8064	SLV 13	-9566	-8821	-68363	-10004	-10004	1	Si
249	0.086	7.6	0	3331	SLV 3	4834	8821	68363	10004	10004	1	Si
249	0.086	7.6	0	-8227	SLV 13	-9730	-8821	-68363	-10004	-10004	1	Si
267	0.086	7.6	0	3175	SLV 3	4677	8821	68363	10004	10004	1	Si
267	0.086	11.06	0	-8384	SLV 13	-9887	-9995	-68363	-10004	-10004	1	Si
268	0	7.6	0	3167	SLV 3	4670	8821	68363	0	8821	1	Si
268	0	11.06	0	-8391	SLV 13	-9894	-9995	-68363	0	-9995	1	Si
287	0	6.34	0	2971	SLV 3	4473	8303	68363	0	8303	1	Si
287	0	12.87	0	-8588	SLV 13	-10091	-10512	-68363	0	-10512	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.77	0	2237	SLD 3	2237	9905	68363	0	9905	1	Si
0	0	7.6	0	-2876	SLD 13	-2876	-8821	-68363	0	-8821	1	Si
19	0	7.6	0	2073	SLD 3	2073	8821	68363	0	8821	1	Si
19	0	7.6	0	-3040	SLD 13	-3040	-8821	-68363	0	-8821	1	Si
20	0.072	7.6	0	2066	SLD 3	2066	8821	68363	8336	8821	1	Si
20	0.072	7.6	0	-3047	SLD 13	-3047	-8821	-68363	-8336	-8821	1	Si
38	0.072	7.6	0	1910	SLD 3	1910	8821	68363	8336	8821	1	Si
38	0.072	7.6	0	-3204	SLD 13	-3204	-8821	-68363	-8336	-8821	1	Si
57	0.072	7.6	0	1746	SLD 3	1746	8821	68363	8336	8821	1	Si
57	0.072	7.6	0	-3367	SLD 13	-3367	-8821	-68363	-8336	-8821	1	Si
67	0.072	7.6	0	1664	SLD 3	1664	8821	68363	8336	8821	1	Si
67	0.072	7.6	0	-3449	SLD 13	-3449	-8821	-68363	-8336	-8821	1	Si
86	0.072	7.6	0	1500	SLD 3	1500	8821	68363	8336	8821	1	Si
86	0.072	7.6	0	-3613	SLD 13	-3613	-8821	-68363	-8336	-8821	1	Si
105	0.084	7.6	0	1337	SLD 3	1337	8821	68363	9771	9771	1	Si
105	0.084	7.6	0	-3777	SLD 13	-3777	-8821	-68363	-9771	-9771	1	Si
125	0.084	7.6	0	1173	SLD 3	1173	8821	68363	9771	9771	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
125	0.084	7.6	0	-3940	SLD 13	-3940	-8821	-68363	-9771	-9771	1	Si
144	0.084	7.6	0	1009	SLD 3	1009	8821	68363	9771	9771	1	Si
144	0.084	7.6	0	-4104	SLD 13	-4104	-8821	-68363	-9771	-9771	1	Si
163	0.084	7.6	0	845	SLD 3	845	8821	68363	9771	9771	1	Si
163	0.084	7.6	0	-4268	SLD 13	-4268	-8821	-68363	-9771	-9771	1	Si
182	0.084	7.6	0	682	SLD 3	682	8821	68363	9771	9771	1	Si
182	0.084	7.6	0	-4432	SLD 13	-4432	-8821	-68363	-9771	-9771	1	Si
201	0.086	7.6	0	518	SLD 3	518	8821	68363	10004	10004	1	Si
201	0.086	7.6	0	-4595	SLD 13	-4595	-8821	-68363	-10004	-10004	1	Si
211	0.086	7.6	0	436	SLD 3	436	8821	68363	10004	10004	1	Si
211	0.086	7.6	0	-4677	SLD 13	-4677	-8821	-68363	-10004	-10004	1	Si
230	0.086	7.6	0	272	SLD 3	272	8821	68363	10004	10004	1	Si
230	0.086	7.6	0	-4841	SLD 13	-4841	-8821	-68363	-10004	-10004	1	Si
249	0.086	7.6	0	109	SLD 3	109	8821	68363	10004	10004	1	Si
249	0.086	7.6	0	-5005	SLD 13	-5005	-8821	-68363	-10004	-10004	1	Si
267	0.086	11.06	0	-5161	SLD 13	-5161	-9995	-68363	-10004	-10004	1	Si
268	0	11.06	0	-5168	SLD 13	-5168	-9995	-68363	0	-9995	1	Si
287	0	12.87	0	-5365	SLD 13	-5365	-10512	-68363	0	-10512	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-27924	3	-27924	1	124.5	31.6	1837	-20759	2	-20759	0.7	93.4	0	+∞	Si
19	-35287	3	-35287	1.2	124.5	40	1837	-28452	2	-28452	1	93.4	0	+∞	Si
20	-35709	3	-53083	1.9	124.5	60.2	1837	-28888	2	-46763	1.6	93.4	0	+∞	Si
38	-45788	3	-67717	2.5	124.5	86.2	1837	-39283	2	-61713	2.2	93.4	0	+∞	Si
57	-59427	3	-86116	3.3	124.5	125.8	1837	-53253	2	-80443	3.1	93.4	0	+∞	Si
67	-67424	3	-96493	3.8	124.5	152.4	1837	-61414	2	-90985	3.6	93.4	0	+∞	Si
86	-85771	3	-119600	3.1	124.5	46.7	1837	-80092	2	-114423	5.1	93.4	0	+∞	Si
105	-107256	3	-145846	3.8	124.5	57	1837	-101908	2	-140999	6.3	93.4	0	+∞	Si
125	-131881	3	-175265	4.6	124.5	68.5	1837	-126862	2	-170713	7.7	93.4	0	+∞	Si
144	-159643	3	-209361	5.5	124.5	81.8	1837	-154955	2	-203565	9.1	93.4	0	+∞	Si
163	-191298	9	-246910	6.4	124.5	96.5	1837	-186186	2	-239556	10.7	93.4	0	+∞	Si
182	-227063	9	-287912	7.5	124.5	112.5	1837	-220555	2	-278685	12.5	93.4	0	+∞	Si
201	-266281	9	-332367	13	124.5	511.4	1837	-258063	2	-320952	12.5	93.4	0	+∞	Si
211	-287185	9	-355890	13.5	124.5	507.7	1837	-277994	2	-343263	13	93.4	0	+∞	Si
230	-331583	9	-405524	15.3	124.5	507.2	1837	-320208	2	-390237	14.7	93.4	0	+∞	Si
249	-379433	9	-428506	15.6	124.5	487.5	1837	-365561	2	-411942	15	93.4	0	+∞	Si
267	-428506	8	-428506	15	124.5	485.7	1837	-411942	1	-411942	14.4	93.4	0	+∞	Si
268	-430809	8	-430791	15.1	124.5	488.2	1837	-414115	1	-414097	14.5	93.4	0	+∞	Si
287	-486417	8	-456518	16	124.5	517.4	1837	-466476	1	-438352	15.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
38	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
57	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
67	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
86	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.009	1	9999	Si
105	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si
125	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.011	1	-0.012	1	9999	Si
144	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.012	1	9999	Si
163	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.013	1	-0.013	1	9999	Si
172	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.013	1	-0.013	1	9999	Si
182	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.013	1	-0.013	1	9999	Si
201	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.012	1	9999	Si
211	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.012	1	9999	Si
230	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si
249	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si
267	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
268	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-490	-7282	-8821	SLV 13	0.41	989	1.144	-28888	541254	963633	SLV 15	0.57	2474	1.666	Si
38	-647	-7282	-8821	SLV 13	0.41	943	1.122	-28888	541254	963532	SLV 15	0.57	2474	1.666	Si
57	-811	-7282	-8821	SLV 13	0.4	898	1.1	-33307	494248	963401	SLV 15	0.57	2474	1.666	Si
67	-893	-7282	-8821	SLV 13	0.39	875	1.088	-39089	440969	963321	SLV 15	0.57	2474	1.666	Si
86	-1056	-7282	-8821	SLV 13	0.39	832	1.066	-53006	-334916	-962923	SLV 1	0.57	2474	1.666	Si
105	-1220	-7282	-9771	SLV 13	0.42	1060	1.177	-70062	-229583	-962923	SLV 1	0.57	2474	1.666	Si
125	-1384	-7282	-9771	SLV 13	0.42	1007	1.153	-170713	-271842	-962923	SLV 13	0.57	2474	1.666	Si
144	-1548	-7282	-9771	SLV 13	0.41	957	1.129	-203565	-381056	-962923	SLV 13	0.57	2474	1.666	Si
163	-1711	-7282	-9771	SLV 13	0.4	911	1.106	-239556	-490569	-962923	SLV 13	0.53	1942	1.509	Si
182	-1875	-7282	-9771	SLV 13	0.39	867	1.084	-278685	-600294	-962923	SLV 13	0.41	980	1.14	Si
201	-2039	-7282	-10004	SLV 13	0.4	885	1.093	-320952	-710181	-1373839	SLV 13	0.53	1970	1.518	Si
211	-2121	-7282	-10004	SLV 13	0.39	863	1.082	-343263	-765174	-1481103	SLV 13	0.53	1986	1.523	Si
230	-2284	-7282	-10004	SLV 13	0.38	820	1.06	-390237	875243	660755	SLV 3	0.43	1124	1.206	Si
249	-2448	-7282	-10004	SLV 13	0.38	778	1.037	-411910	923686	670865	SLV 3	0.42	1055	1.175	Si
267	-2605	-7282	-10004	SLV 13	0.37	740	1.016	-411910	923686	963633	SLV 3	0.53	1994	1.525	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-490	-2557	-8821	SLD 13	0.44	1143	3.055	-28888	239415	963633	SLD 15	0.55	2171	3.974	Si
38	-647	-2557	-8821	SLD 13	0.43	1086	2.992	-28888	239415	963532	SLD 15	0.55	2170	3.974	Si
57	-811	-2557	-8821	SLD 13	0.42	1027	2.924	-33307	218622	963401	SLD 15	0.6	2474	4.193	Si
67	-893	-2557	-8821	SLD 13	0.42	999	2.891	-39089	195053	963321	SLD 15	0.6	2474	4.193	Si
86	-1056	-2557	-8821	SLD 13	0.41	948	2.83	-53006	-148140	-962923	SLD 1	0.6	2474	4.193	Si
105	-1220	-2557	-9771	SLD 13	0.45	1225	3.143	-70062	-101544	-962923	SLD 1	0.6	2474	4.193	Si
125	-1384	-2557	-9771	SLD 13	0.44	1164	3.078	-170713	-120281	-962923	SLD 13	0.6	2474	4.193	Si
144	-1548	-2557	-9771	SLD 13	0.43	1104	3.012	-203565	-168596	-962923	SLD 13	0.59	2474	4.193	Si
163	-1711	-2557	-9771	SLD 13	0.42	1045	2.945	-239556	-217044	-962923	SLD 13	0.45	1213	3.13	Si
182	-1875	-2557	-9771	SLD 13	0.41	989	2.879	-278685	-265584	-962923	SLD 13	0.35	635	2.401	Si
201	-2039	-2557	-10004	SLD 13	0.42	1012	2.906	-320952	-314196	-1373839	SLD 13	0.45	1231	3.149	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
211	-2121	-2557	-10004	SLD 13	0.41	984	2.873	-343263	-338524	-1481103	SLD 13	0.45	1241	3.16	Si
230	-2284	-2557	-10004	SLD 13	0.41	934	2.812	-389414	386403	660755	SLD 3	0.37	723	2.532	Si
249	-2448	-2557	-10004	SLD 13	0.4	886	2.752	-389414	386403	670865	SLD 3	0.37	740	2.556	Si
267	-2605	-2557	-10004	SLD 13	0.39	842	2.695	-411910	408647	963633	SLD 3	0.45	1246	3.165	Si

Campata 6 tra i fili 8 - 9, sezione R 40x70, asta 1228

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-789593	SLU 36	-701379	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-619992	SLU 36	-619992	-1865528	0.096	Si
41	15.21	5.4	7.6	5.4						-456616	SLU 36	-619992	-1865528	0.096	Si
62	13.39	5.4	7.6	5.4						-311916	SLU 36	-521662	-1650791	0.091	Si
82	11.46	5.4	7.6	5.4						-185650	SLU 29	-370889	-1421419	0.087	Si
92	7.6	5.4	7.6	5.4	-88274	SLU 17	28747	962923	0.078	-128600	SLU 20	-300950	-962923	0.078	Si
113	7.6	5.4	7.6	5.4	-4308	SLU 17	114769	962923	0.078	-30700	SLU 20	-176241	-962923	0.078	Si
133	7.6	5.4	7.6	5.4	80099	SLU 36	187988	962923	0.078	40605	SLU 1	-70375	-962923	0.078	Si
154	7.6	5.4	7.6	5.4	159397	SLU 36	246665	962923	0.078						Si
174	7.6	5.4	7.6	5.4	224153	SLU 36	290797	962923	0.078						Si
195	7.6	5.4	7.6	5.4	274366	SLU 36	322322	962923	0.078						Si
215	7.6	5.4	7.6	5.4	310122	SLU 30	342535	962923	0.078						Si
236	7.6	5.4	7.6	5.4	335948	SLU 30	349322	962923	0.078						Si
246	7.6	5.4	7.6	5.4	343826	SLU 30	349513	962923	0.078						Si
267	7.6	5.4	7.6	5.4	349513	SLU 30	349513	962923	0.078						Si
288	7.6	5.4	7.6	5.4	341335	SLU 30	349513	962923	0.078						Si
308	7.6	5.4	7.6	5.4	321409	SLU 29	321409	962923	0.078						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	104207	SLV 11	104207	963633	0.08	-1225024	SLV 5	-1117994	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	129940	SLV 11	150641	963633	0.08	-1015550	SLV 5	-1015550	-1865528	0.096	Si
41	15.21	5.4	7.6	5.4	147034	SLV 11	153749	963633	0.08	-805549	SLV 5	-1015550	-1865528	0.096	Si
62	13.39	5.4	7.6	5.4	153749	SLV 11	153749	963527	0.08	-610556	SLV 5	-890149	-1650791	0.091	Si
82	11.46	5.4	7.6	5.4	150682	SLV 11	153749	963383	0.08	-425415	SLV 5	-691044	-1421419	0.087	Si
92	7.6	5.4	7.6	5.4	148530	SLV 15	153698	962923	0.078	-339588	SLV 1	-595181	-962923	0.078	Si
113	7.6	5.4	7.6	5.4	146896	SLV 15	149832	962923	0.078	-185336	SLV 1	-410850	-962923	0.078	Si
133	7.6	5.4	7.6	5.4	136075	SLV 15	211819	962923	0.078	-41537	SLV 1	-248772	-962923	0.078	Si
154	7.6	5.4	7.6	5.4	162313	SLV 9	343778	962923	0.078	45556	SLV 7	-100477	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	288323	SLV 5	470474	962923	0.078	13230	SLV 11	-70102	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	418807	SLV 5	587599	962923	0.078	-43222	SLV 11	-141068	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	539984	SLV 5	694963	962923	0.078	-110022	SLV 11	-221932	-962923	0.078	Si
236	7.6	5.4	7.6	5.4	651438	SLV 5	792525	962923	0.078	-186757	SLV 11	-312659	-962923	0.078	Si
246	7.6	5.4	7.6	5.4	703495	SLV 5	837625	962923	0.078	-228828	SLV 11	-361716	-962923	0.078	Si
267	7.6	5.4	7.6	5.4	800253	SLV 5	889134	962923	0.078	-320362	SLV 11	-424397	-962923	0.078	Si
288	7.6	5.4	7.6	5.4	889134	SLV 5	889134	962923	0.078	-424397	SLV 11	-424397	-962923	0.078	Si
308	7.6	5.4	7.6	5.4	964307	SLV 5	929045	962923	0.078	-532970	SLV 11	-476384	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-854460	SLD 5	-773032	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-696207	SLD 5	-696207	-1865528	0.096	Si
41	15.21	5.4	7.6	5.4						-539982	SLD 5	-696207	-1865528	0.096	Si
62	13.39	5.4	7.6	5.4	-59332	SLD 11	8327	963527	0.08	-397474	SLD 5	-602637	-1650791	0.091	Si
82	11.46	5.4	7.6	5.4	-9933	SLD 11	50963	963383	0.08	-264799	SLD 5	-456022	-1421419	0.087	Si
92	7.6	5.4	7.6	5.4	12355	SLD 15	68654	962923	0.078	-203413	SLD 1	-386400	-962923	0.078	Si
113	7.6	5.4	7.6	5.4	54192	SLD 15	98198	962923	0.078	-92632	SLD 1	-254532	-962923	0.078	Si
133	7.6	5.4	7.6	5.4	86486	SLD 15	163146	962923	0.078	8052	SLD 1	-137908	-962923	0.078	Si
154	7.6	5.4	7.6	5.4	129742	SLD 9	245383	962923	0.078	78128	SLD 7	-32947	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	211642	SLD 5	319791	962923	0.078						Si
195	7.6	5.4	7.6	5.4	290020	SLD 5	384483	962923	0.078						Si
215	7.6	5.4	7.6	5.4	358797	SLD 5	439376	962923	0.078						Si
236	7.6	5.4	7.6	5.4	417790	SLD 5	484449	962923	0.078	46891	SLD 11	-4583	-962923	0.078	Si
246	7.6	5.4	7.6	5.4	443607	SLD 5	503302	962923	0.078	31060	SLD 11	-27392	-962923	0.078	Si
267	7.6	5.4	7.6	5.4	487876	SLD 5	522978	962923	0.078	-7984	SLD 11	-58241	-962923	0.078	Si
288	7.6	5.4	7.6	5.4	522978	SLD 5	522978	962923	0.078	-58241	SLD 11	-58241	-962923	0.078	Si
308	7.6	5.4	7.6	5.4	546928	SLD 5	537270	962923	0.078	-115592	SLD 11	-84610	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.39	0	8830	SLU 36	8830	10653	68363	0	10653	1	Si
20	0.101	11.46	0	8139	SLU 36	8139	10114	68363	11671	11671	1	Si
41	0.101	7.6	0	7413	SLU 36	7413	8821	68363	11671	11671	1	Si
62	0.101	7.6	0	6704	SLU 36	6704	8821	68363	11671	11671	1	Si
82	0.101	7.6	0	5995	SLU 36	5995	8821	68363	11671	11671	1	Si
92	0.087	7.6	0	5641	SLU 36	5641	8821	68363	10069	10069	1	Si
113	0.087	7.6	0	4932	SLU 36	4932	8821	68363	10069	10069	1	Si
133	0.087	7.6	0	4223	SLU 36	4223	8821	68363	10069	10069	1	Si
154	0.087	7.6	0	3551	SLU 30	3551	8821	68363	10069	10069	1	Si
174	0.087	7.6	0	2897	SLU 30	2897	8821	68363	10069	10069	1	Si
195	0.087	7.6	0	2249	SLU 29	2249	8821	68363	10069	10069	1	Si
215	0.087	7.6	0	1610	SLU 29	1610	8821	68363	10069	10069	1	Si
236	0.072	7.6	0	977	SLU 20	977	8821	68363	8336	8821	1	Si
246	0.072	7.6	0	684	SLU 20	684	8821	68363	8336	8821	1	Si
246	0.072	7.6	0	-26	SLU 17	-26	-8821	-68363	-8336	-8821	1	Si
267	0.072	7.6	0	142	SLU 2	142	8821	68363	8336	8821	1	Si
267	0.072	7.6	0	-658	SLU 35	-658	-8821	-68363	-8336	-8821	1	Si
288	0.072	7.6	0	-1385	SLU 35	-1385	-8821	-68363	-8336	-8821	1	Si
308	0	7.6	0	-2078	SLU 35	-2078	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.39	0	10711	SLV 5	11906	10653	68363	0	10653	1	Si
10	0	12.43	0	10472	SLV 5	11667	10391	68363	0	10391	1	Si
20	0.101	11.46	0	10244	SLV 5	11439	10114	68363	11671	11671	1	Si
20	0.101	7.6	0	1055	SLV 11	-140	-8821	-68363	-11671	-11671	1	Si
41	0.101	7.6	0	9754	SLV 5	10949	8821	68363	11671	11671	1	Si
41	0.101	7.6	0	564	SLV 11	-630	-8821	-68363	-11671	-11671	1	Si
62	0.101	7.6	0	9275	SLV 5	10470	8821	68363	11671	11671	1	Si
62	0.101	7.6	0	85	SLV 11	-1109	-8821	-68363	-11671	-11671	1	Si
82	0.101	7.6	0	8796	SLV 5	9991	8821	68363	11671	11671	1	Si
82	0.101	7.6	0	-393	SLV 11	-1588	-8821	-68363	-11671	-11671	1	Si
92	0.087	7.6	0	8557	SLV 5	9751	8821	68363	10069	10069	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
92	0.087	7.6	0	-633	SLV 11	-1828	-8821	-68363	-10069	-10069	1	Si
113	0.087	7.6	0	8078	SLV 5	9272	8821	68363	10069	10069	1	Si
113	0.087	7.6	0	-1112	SLV 11	-2307	-8821	-68363	-10069	-10069	1	Si
133	0.087	7.6	0	7599	SLV 5	8793	8821	68363	10069	10069	1	Si
133	0.087	7.6	0	-1591	SLV 11	-2786	-8821	-68363	-10069	-10069	1	Si
154	0.087	7.6	0	7119	SLV 5	8314	8821	68363	10069	10069	1	Si
154	0.087	7.6	0	-2070	SLV 11	-3265	-8821	-68363	-10069	-10069	1	Si
174	0.087	7.6	0	6640	SLV 5	7835	8821	68363	10069	10069	1	Si
174	0.087	7.6	0	-2550	SLV 11	-3744	-8821	-68363	-10069	-10069	1	Si
195	0.087	7.6	0	6161	SLV 5	7356	8821	68363	10069	10069	1	Si
195	0.087	7.6	0	-3029	SLV 11	-4224	-8821	-68363	-10069	-10069	1	Si
215	0.087	7.6	0	5681	SLV 5	6876	8821	68363	10069	10069	1	Si
215	0.087	7.6	0	-3508	SLV 11	-4703	-8821	-68363	-10069	-10069	1	Si
236	0.072	7.6	0	5202	SLV 5	6397	8821	68363	8336	8821	1	Si
236	0.072	7.6	0	-3988	SLV 11	-5183	-8821	-68363	-8336	-8821	1	Si
246	0.072	7.6	0	4962	SLV 5	6157	8821	68363	8336	8821	1	Si
246	0.072	7.6	0	-4228	SLV 11	-5422	-8821	-68363	-8336	-8821	1	Si
267	0.072	7.6	0	4482	SLV 5	5677	8821	68363	8336	8821	1	Si
267	0.072	7.6	0	-4707	SLV 11	-5902	-8821	-68363	-8336	-8821	1	Si
288	0.072	7.6	0	3991	SLV 5	5186	8821	68363	8336	8821	1	Si
288	0.072	7.6	0	-5199	SLV 11	-6393	-8821	-68363	-8336	-8821	1	Si
308	0	7.6	0	3523	SLV 5	4718	8821	68363	0	8821	1	Si
308	0	7.6	0	-5667	SLV 11	-6861	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.39	0	8150	SLD 5	8150	10653	68363	0	10653	1	Si
20	0.101	11.46	0	7683	SLD 5	7683	10114	68363	11671	11671	1	Si
41	0.101	7.6	0	7192	SLD 5	7192	8821	68363	11671	11671	1	Si
62	0.101	7.6	0	6713	SLD 5	6713	8821	68363	11671	11671	1	Si
82	0.101	7.6	0	6234	SLD 5	6234	8821	68363	11671	11671	1	Si
92	0.087	7.6	0	5995	SLD 5	5995	8821	68363	10069	10069	1	Si
113	0.087	7.6	0	5516	SLD 5	5516	8821	68363	10069	10069	1	Si
133	0.087	7.6	0	5037	SLD 5	5037	8821	68363	10069	10069	1	Si
154	0.087	7.6	0	4558	SLD 5	4558	8821	68363	10069	10069	1	Si
174	0.087	7.6	0	4078	SLD 5	4078	8821	68363	10069	10069	1	Si
195	0.087	7.6	0	3599	SLD 5	3599	8821	68363	10069	10069	1	Si
195	0.087	7.6	0	-467	SLD 11	-467	-8821	-68363	-10069	-10069	1	Si
215	0.087	7.6	0	3120	SLD 5	3120	8821	68363	10069	10069	1	Si
215	0.087	7.6	0	-947	SLD 11	-947	-8821	-68363	-10069	-10069	1	Si
236	0.072	7.6	0	2640	SLD 5	2640	8821	68363	8336	8821	1	Si
236	0.072	7.6	0	-1426	SLD 11	-1426	-8821	-68363	-8336	-8821	1	Si
246	0.072	7.6	0	2400	SLD 5	2400	8821	68363	8336	8821	1	Si
246	0.072	7.6	0	-1666	SLD 11	-1666	-8821	-68363	-8336	-8821	1	Si
267	0.072	7.6	0	1921	SLD 5	1921	8821	68363	8336	8821	1	Si
267	0.072	7.6	0	-2145	SLD 11	-2145	-8821	-68363	-8336	-8821	1	Si
288	0.072	7.6	0	1429	SLD 5	1429	8821	68363	8336	8821	1	Si
288	0.072	7.6	0	-2637	SLD 11	-2637	-8821	-68363	-8336	-8821	1	Si
308	0	7.6	0	961	SLD 5	961	8821	68363	0	8821	1	Si
308	0	7.6	0	-3105	SLD 11	-3105	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-590138	9	-524559	18.3	124.5	594.5	1837	-560408	2	-499300	17.5	93.4	0	+∞	Si
20	-464047	9	-464047	16.2	124.5	525.9	1837	-442805	2	-442805	15.5	93.4	0	+∞	Si
41	-342565	9	-464047	16.2	124.5	525.9	1837	-329257	2	-442805	15.5	93.4	0	+∞	Si
62	-234950	9	-390934	14.3	124.5	500.4	1837	-228403	2	-374497	13.7	93.4	0	+∞	Si
82	-140723	2	-278811	10.8	124.5	414.5	1837	-137366	2	-269539	10.4	93.4	0	+∞	Si
92	-97839	2	-226794	5.9	124.5	88.6	1837	-95529	2	-220742	9.9	93.4	0	+∞	Si
113	-19435	2	-133694	3.5	124.5	52.3	1837	-19220	2	-130509	5.9	93.4	0	+∞	Si
133	56764	9	137146	3.6	124.5	53.6	1837	47269	2	124544	5.6	93.4	0	+∞	Si
154	115835	9	180912	4.7	124.5	70.7	1837	103935	2	167278	7.5	93.4	0	+∞	Si
174	164113	9	213882	5.6	124.5	83.6	1837	150777	2	200186	9	93.4	0	+∞	Si
195	201597	9	237348	6.2	124.5	92.8	1837	187793	2	223265	10	93.4	0	+∞	Si
215	228344	3	252175	6.6	124.5	98.6	1837	214981	2	236515	10.6	93.4	0	+∞	Si
236	247371	3	256951	6.7	124.5	100.4	1837	232340	2	239933	10.8	93.4	0	+∞	Si
246	253116	3	257069	6.7	124.5	100.5	1837	237333	2	239946	10.8	93.4	0	+∞	Si
267	257069	3	257069	6.7	124.5	100.5	1837	239946	2	239946	10.8	93.4	0	+∞	Si
288	250635	3	257069	6.7	124.5	100.5	1837	232369	2	239946	10.8	93.4	0	+∞	Si
308	235356	2	235356	6.1	124.5	92	1837	215668	2	215668	9.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
41	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
62	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.002	2	-0.002	2	9999	Si
82	0	0	0	0	0	0	0	0	0	0	0	2	-0.001	2	9999	Si
92	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0	2	0	2	9999	Si
113	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
133	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
154	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
174	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
195	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.007	2	9999	Si
215	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.007	2	9999	Si
236	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
246	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
267	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
288	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	5650	5790	11671	SLV 5	0.38	783	1.04	-442805	572745	963633	SLV 11	0.57	2474	1.666	Si
41	5159	5790	11671	SLV 5	0.41	948	1.125	-442805	572745	963633	SLV 11	0.57	2474	1.666	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
62	4680	5790	11671	SLV 5	0.44	1141	1.213	-374497	-515652	-1650791	SLV 5	0.57	2474	1.666	Si
82	4201	5790	11671	SLV 5	0.46	1360	1.304	-269539	-421504	-1421419	SLV 5	0.57	2474	1.666	Si
92	3962	5790	10069	SLV 5	0.38	810	1.054	-220742	-374439	-962923	SLV 5	0.57	2474	1.666	Si
113	3483	5790	10069	SLV 5	0.41	974	1.137	-130509	-280341	-962923	SLV 5	0.57	2474	1.666	Si
133	3004	5790	10069	SLV 5	0.44	1173	1.227	-50094	-198678	-962923	SLV 1	0.57	2474	1.666	Si
154	2525	5790	10069	SLV 5	0.47	1396	1.318	167278	176500	962923	SLV 5	0.57	2474	1.666	Si
174	2045	5790	10069	SLV 5	0.5	1645	1.41	200186	270288	962923	SLV 5	0.57	2474	1.666	Si
195	1566	5790	10069	SLV 5	0.52	1922	1.503	223265	364333	962923	SLV 5	0.57	2474	1.666	Si
215	1087	5790	10069	SLV 5	0.55	2225	1.595	236515	458448	962923	SLV 5	0.56	2354	1.633	Si
236	607	5790	8821	SLV 5	0.51	1751	1.446	239933	552592	962923	SLV 5	0.47	1411	1.324	Si
246	367	5790	8821	SLV 5	0.52	1892	1.493	237955	599670	962923	SLV 5	0.44	1145	1.215	Si
267	-112	-5790	-8821	SLV 11	0.54	2048	1.542	232369	656766	962923	SLV 5	0.4	922	1.112	Si
288	-604	-5790	-8821	SLV 11	0.51	1753	1.447	232369	656766	962923	SLV 5	0.4	922	1.112	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	5650	2033	11671	SLD 5	0.4	891	2.759	-442805	253402	963633	SLD 11	0.6	2474	4.193	Si
41	5159	2033	11671	SLD 5	0.43	1091	2.997	-442805	253402	963633	SLD 11	0.6	2474	4.193	Si
62	4680	2033	11671	SLD 5	0.46	1317	3.238	-374497	-228140	-1650791	SLD 5	0.6	2474	4.193	Si
82	4201	2033	11671	SLD 5	0.49	1571	3.481	-269539	-186483	-1421419	SLD 5	0.6	2474	4.193	Si
92	3962	2033	10069	SLD 5	0.4	923	2.799	-220742	-165658	-962923	SLD 5	0.59	2474	4.193	Si
113	3483	2033	10069	SLD 5	0.43	1125	3.035	-130509	-124023	-962923	SLD 5	0.6	2474	4.193	Si
133	3004	2033	10069	SLD 5	0.46	1355	3.276	-50094	-87813	-962923	SLD 1	0.6	2474	4.193	Si
154	2525	2033	10069	SLD 5	0.49	1614	3.519	167278	78104	962923	SLD 5	0.6	2474	4.193	Si
174	2045	2033	10069	SLD 5	0.52	1903	3.765	200186	119605	962923	SLD 5	0.6	2474	4.193	Si
195	1566	2033	10069	SLD 5	0.55	2222	4.012	223265	161218	962923	SLD 5	0.6	2474	4.193	Si
215	1087	2033	10069	SLD 5	0.58	2474	4.193	236515	202860	962923	SLD 5	0.48	1467	3.384	Si
236	607	2033	8821	SLD 5	0.53	2025	3.862	239933	244516	962923	SLD 5	0.4	888	2.755	Si
246	367	2033	8821	SLD 5	0.55	2188	3.987	237955	265347	962923	SLD 5	0.37	732	2.545	Si
267	-112	-2033	-8821	SLD 11	0.56	2369	4.119	232369	290609	962923	SLD 5	0.34	599	2.344	Si
288	-604	-2033	-8821	SLD 11	0.53	2028	3.865	232369	290609	962923	SLD 5	0.34	599	2.344	Si

Campata 7 tra i fili 9 - 9A, sezione R 40x70, asta 1229

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	251565	SLU 29	251565	962923	0.078						Si
18	7.6	5.4	7.6	5.4	301039	SLU 30	301039	962923	0.078						Si
20	7.6	5.4	7.6	5.4	305822	SLU 30	364053	962923	0.078						Si
36	7.6	5.4	7.6	5.4	341493	SLU 30	384718	962923	0.078						Si
54	7.6	5.4	7.6	5.4	371586	SLU 30	398076	962923	0.078						Si
72	7.6	5.4	7.6	5.4	391317	SLU 30	402893	962923	0.078						Si
81	7.6	5.4	7.6	5.4	397297	SLU 30	402893	962923	0.078						Si
99	7.6	5.4	7.6	5.4	402893	SLU 36	402893	962923	0.078						Si
117	7.6	5.4	7.6	5.4	399191	SLU 36	402893	962923	0.078						Si
135	7.6	5.4	7.6	5.4	384254	SLU 36	402549	962923	0.078						Si
153	7.6	5.4	7.6	5.4	358081	SLU 36	394522	962923	0.078						Si
171	7.6	5.4	7.6	5.4	320669	SLU 36	375259	962923	0.078						Si
189	7.6	5.4	7.6	5.4	272018	SLU 36	344759	962923	0.078						Si
207	11.15	5.4	7.6	5.4	212127	SLU 36	303021	963356	0.079						Si
216	12	5.4	7.6	5.4	177965	SLU 36	277936	963427	0.08						Si
234	13.7	5.4	7.6	5.4	102397	SLU 30	219337	963546	0.08						Si
250	15.21	5.4	7.6	5.4	28515	SLU 20	157713	963633	0.08						Si
252	15.21	5.4	7.6	5.4	19840	SLU 20	19840	963633	0.08						Si
270	15.21	5.4	7.6	5.4						-87538	SLU 35	-31032	-1865528	0.096	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	855817	SLV 13	829879	962923	0.078	-519651	SLV 3	-447377	-962923	0.078	Si
18	7.6	5.4	7.6	5.4	805235	SLV 13	804859	962923	0.078	-392659	SLV 3	-392144	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	798990	SLV 13	798990	962923	0.078	-379188	SLV 3	-379188	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	774111	SLV 9	798990	962923	0.078	-300295	SLV 7	-379188	-962923	0.078	Si
54	7.6	5.4	7.6	5.4	751541	SLV 9	784119	962923	0.078	-231658	SLV 7	-346506	-962923	0.078	Si
72	7.6	5.4	7.6	5.4	721567	SLV 9	766138	962923	0.078	-170791	SLV 7	-273126	-962923	0.078	Si
81	7.6	5.4	7.6	5.4	703849	SLV 9	754351	962923	0.078	-143317	SLV 7	-239329	-962923	0.078	Si
99	7.6	5.4	7.6	5.4	663279	SLV 9	725226	962923	0.078	-94618	SLV 7	-177566	-962923	0.078	Si
117	7.6	5.4	7.6	5.4	620268	SLV 9	688853	962923	0.078	-58656	SLV 7	-123730	-962923	0.078	Si
135	7.6	5.4	7.6	5.4	602086	SLV 5	646164	962923	0.078	-62704	SLV 11	-102933	-962923	0.078	Si
153	7.6	5.4	7.6	5.4	586782	SLV 5	608616	962923	0.078	-84813	SLV 11	-162955	-962923	0.078	Si
171	7.6	5.4	7.6	5.4	564927	SLV 5	609903	962923	0.078	-115555	SLV 11	-277882	-962923	0.078	Si
189	7.6	5.4	7.6	5.4	587673	SLV 1	640404	962923	0.078	-206086	SLV 15	-400698	-962923	0.078	Si
207	11.15	5.4	7.6	5.4	622677	SLV 1	663564	963356	0.079	-324062	SLV 15	-531364	-1384634	0.086	Si
216	12	5.4	7.6	5.4	637433	SLV 1	672394	963427	0.08	-386000	SLV 15	-599644	-1485363	0.088	Si
234	13.7	5.4	7.6	5.4	661437	SLV 1	676460	963546	0.08	-515763	SLV 15	-637877	-1686702	0.092	Si
250	15.21	5.4	7.6	5.4	676460	SLV 1	676460	963633	0.08	-637877	SLV 15	-637877	-1865528	0.096	Si
252	15.21	5.4	7.6	5.4	678109	SLV 1	677801	963633	0.08	-653388	SLV 15	-652610	-1865528	0.096	Si
270	15.21	5.4	7.6	5.4	687491	SLV 1	683522	963633	0.08	-798926	SLV 15	-715418	-1865528	0.096	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	472329	SLD 13	472329	962923	0.078	-136163	SLD 3	-91273	-962923	0.078	Si
18	7.6	5.4	7.6	5.4	471258	SLD 13	471130	962923	0.078	-58682	SLD 3	-58416	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	470510	SLD 13	477207	962923	0.078	-50708	SLD 3	-50708	-962923	0.078	Si
27	7.6	5.4	7.6	5.4	470364	SLD 9	477474	962923	0.078	-25273	SLD 7	-50708	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	474617	SLD 9	477474	962923	0.078	-802	SLD 7	-50708	-962923	0.078	Si
54	7.6	5.4	7.6	5.4	477474	SLD 9	477474	962923	0.078	42409	SLD 7	-31340	-962923	0.078	Si
72	7.6	5.4	7.6	5.4	472825	SLD 9	477474	962923	0.078						Si
81	7.6	5.4	7.6	5.4	467706	SLD 9	477474	962923	0.078						Si
99	7.6	5.4	7.6	5.4	452023	SLD 9	473575	962923	0.078						Si
117	7.6	5.4	7.6	5.4	431029	SLD 9	462351	962923	0.078						Si
135	7.6	5.4	7.6	5.4	416783	SLD 5	444101	962923	0.078						Si
153	7.6	5.4	7.6	5.4	399577	SLD 5	423302	962923	0.078						Si
171	7.6	5.4	7.6	5.4	375240	SLD 5	410812	962923	0.078	74131	SLD 11	-30360	-962923	0.078	Si
189	7.6	5.4	7.6	5.4	366369	SLD 1	390914	962923	0.078	15219	SLD 15	-110426	-962923	0.078	Si
207	11.15	5.4	7.6	5.4	358717	SLD 1	367403	963356	0.079	-60102	SLD 15	-198201	-1384634	0.086	Si
216	12	5.4	7.6	5.4	352088	SLD 1	366607	963427	0.08	-100656	SLD 15	-244981	-1485363	0.088	Si
234	13.7	5.4	7.6	5.4	333217	SLD 1	359811	963546	0.08	-187544	SLD 15	-271420	-1686702	0.092	Si
250	15.21	5.4	7.6	5.4	310002	SLD 1	347432	963633	0.08	-271420	SLD 15	-271420	-1865528	0.096	Si
252	15.21	5.4	7.6	5.4	306867	SLD 1	306862	963633	0.08	-282146	SLD 15	-281670	-1865528	0.096	Si
270	15.21	5.4	7.6	5.4	273053	SLD 1	273053	963633	0.08	-384487	SLD 15	-325371	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3690	SLU 35	3690	8821	68363	0	8821	1	Si
18	0	7.6	0	3066	SLU 35	3066	8821	68363	0	8821	1	Si
20	0.063	7.6	0	2997	SLU 35	2997	8821	68363	7294	8821	1	Si
36	0.063	7.6	0	2442	SLU 35	2442	8821	68363	7294	8821	1	Si
54	0.063	7.6	0	1818	SLU 35	1818	8821	68363	7294	8821	1	Si
72	0.063	7.6	0	1194	SLU 35	1194	8821	68363	7294	8821	1	Si
81	0.063	7.6	0	882	SLU 35	882	8821	68363	7294	8821	1	Si
99	0.063	7.6	0	258	SLU 35	258	8821	68363	7294	8821	1	Si
99	0.063	7.6	0	-119	SLU 2	-119	-8821	-68363	-7294	-8821	1	Si
117	0.063	7.6	0	-643	SLU 29	-643	-8821	-68363	-7294	-8821	1	Si
135	0.063	7.6	0	-1207	SLU 30	-1207	-8821	-68363	-7294	-8821	1	Si
153	0.063	7.6	0	-1783	SLU 30	-1783	-8821	-68363	-7294	-8821	1	Si
171	0.063	7.6	0	-2391	SLU 36	-2391	-8821	-68363	-7294	-8821	1	Si
189	0.086	7.6	0	-3015	SLU 36	-3015	-8821	-68363	-10004	-10004	1	Si
207	0.086	7.6	0	-3640	SLU 36	-3640	-8821	-68363	-10004	-10004	1	Si
216	0.086	7.6	0	-3952	SLU 36	-3952	-8821	-68363	-10004	-10004	1	Si
234	0.086	7.6	0	-4577	SLU 36	-4577	-8821	-68363	-10004	-10004	1	Si
250	0.086	7.6	0	-5132	SLU 36	-5132	-8821	-68363	-10004	-10004	1	Si
252	0	7.6	0	-5201	SLU 36	-5201	-8821	-68363	0	-8821	1	Si
261	0	7.6	0	-5514	SLU 36	-5514	-8821	-68363	0	-8821	1	Si
270	0	11.15	0	-5827	SLU 36	-5827	-10022	-68363	0	-10022	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	7287	SLV 3	8575	8821	68363	0	8821	1	Si
0	0	7.6	0	-2621	SLV 13	-3909	-8821	-68363	0	-8821	1	Si
18	0	7.6	0	6866	SLV 3	8154	8821	68363	0	8821	1	Si
18	0	7.6	0	-3042	SLV 13	-4330	-8821	-68363	0	-8821	1	Si
20	0.063	7.6	0	6819	SLV 3	8107	8821	68363	7294	8821	1	Si
20	0.063	7.6	0	-3089	SLV 13	-4377	-8821	-68363	-7294	-8821	1	Si
36	0.063	7.6	0	6444	SLV 3	7732	8821	68363	7294	8821	1	Si
36	0.063	7.6	0	-3464	SLV 13	-4752	-8821	-68363	-7294	-8821	1	Si
54	0.063	7.6	0	6023	SLV 3	7311	8821	68363	7294	8821	1	Si
54	0.063	7.6	0	-3885	SLV 13	-5173	-8821	-68363	-7294	-8821	1	Si
72	0.063	7.6	0	5601	SLV 3	6889	8821	68363	7294	8821	1	Si
72	0.063	7.6	0	-4307	SLV 13	-5595	-8821	-68363	-7294	-8821	1	Si
81	0.063	7.6	0	5391	SLV 3	6679	8821	68363	7294	8821	1	Si
81	0.063	7.6	0	-4517	SLV 13	-5805	-8821	-68363	-7294	-8821	1	Si
99	0.063	7.6	0	4969	SLV 3	6257	8821	68363	7294	8821	1	Si
99	0.063	7.6	0	-4939	SLV 13	-6227	-8821	-68363	-7294	-8821	1	Si
117	0.063	7.6	0	4547	SLV 3	5835	8821	68363	7294	8821	1	Si
117	0.063	7.6	0	-5361	SLV 13	-6649	-8821	-68363	-7294	-8821	1	Si
135	0.063	7.6	0	4126	SLV 3	5414	8821	68363	7294	8821	1	Si
135	0.063	7.6	0	-5782	SLV 13	-7070	-8821	-68363	-7294	-8821	1	Si
153	0.063	7.6	0	3704	SLV 3	4992	8821	68363	7294	8821	1	Si
153	0.063	7.6	0	-6204	SLV 13	-7492	-8821	-68363	-7294	-8821	1	Si
171	0.063	7.6	0	3282	SLV 3	4570	8821	68363	7294	8821	1	Si
171	0.063	7.6	0	-6626	SLV 13	-7914	-8821	-68363	-7294	-8821	1	Si
189	0.086	7.6	0	2860	SLV 3	4148	8821	68363	10004	10004	1	Si
189	0.086	7.6	0	-7048	SLV 13	-8336	-8821	-68363	-10004	-10004	1	Si
207	0.086	7.6	0	2438	SLV 3	3726	8821	68363	10004	10004	1	Si
207	0.086	7.6	0	-7470	SLV 13	-8758	-8821	-68363	-10004	-10004	1	Si
216	0.086	7.6	0	2227	SLV 3	3515	8821	68363	10004	10004	1	Si
216	0.086	7.6	0	-7681	SLV 13	-8969	-8821	-68363	-10004	-10004	1	Si
234	0.086	7.6	0	1805	SLV 3	3093	8821	68363	10004	10004	1	Si
234	0.086	7.6	0	-8103	SLV 13	-9391	-8821	-68363	-10004	-10004	1	Si
250	0.086	7.6	0	1430	SLV 3	2718	8821	68363	10004	10004	1	Si
250	0.086	7.6	0	-8478	SLV 13	-9766	-8821	-68363	-10004	-10004	1	Si
252	0	7.6	0	1383	SLV 3	2671	8821	68363	0	8821	1	Si
252	0	7.6	0	-8525	SLV 13	-9813	-8821	-68363	0	-8821	1	Si
261	0	7.6	0	1172	SLV 3	2460	8821	68363	0	8821	1	Si
261	0	7.6	0	-8736	SLV 13	-10024	-8821	-68363	0	-8821	1	Si
270	0	7.6	0	960	SLV 3	2249	8821	68363	0	8821	1	Si
270	0	11.15	0	-8947	SLV 13	-10235	-10022	-68363	0	-10022	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4525	SLD 3	4525	8821	68363	0	8821	1	Si
18	0	7.6	0	4103	SLD 3	4103	8821	68363	0	8821	1	Si
18	0	7.6	0	-280	SLD 13	-280	-8821	-68363	0	-8821	1	Si
20	0.063	7.6	0	4056	SLD 3	4056	8821	68363	7294	8821	1	Si
20	0.063	7.6	0	-326	SLD 13	-326	-8821	-68363	-7294	-8821	1	Si
36	0.063	7.6	0	3682	SLD 3	3682	8821	68363	7294	8821	1	Si
36	0.063	7.6	0	-701	SLD 13	-701	-8821	-68363	-7294	-8821	1	Si
54	0.063	7.6	0	3260	SLD 3	3260	8821	68363	7294	8821	1	Si
54	0.063	7.6	0	-1123	SLD 13	-1123	-8821	-68363	-7294	-8821	1	Si
72	0.063	7.6	0	2839	SLD 3	2839	8821	68363	7294	8821	1	Si
72	0.063	7.6	0	-1544	SLD 13	-1544	-8821	-68363	-7294	-8821	1	Si
81	0.063	7.6	0	2628	SLD 3	2628	8821	68363	7294	8821	1	Si
81	0.063	7.6	0	-1755	SLD 13	-1755	-8821	-68363	-7294	-8821	1	Si
99	0.063	7.6	0	2206	SLD 3	2206	8821	68363	7294	8821	1	Si
99	0.063	7.6	0	-2176	SLD 13	-2176	-8821	-68363	-7294	-8821	1	Si
117	0.063	7.6	0	1785	SLD 3	1785	8821	68363	7294	8821	1	Si
117	0.063	7.6	0	-2598	SLD 13	-2598	-8821	-68363	-7294	-8821	1	Si
135	0.063	7.6	0	1363	SLD 3	1363	8821	68363	7294	8821	1	Si
135	0.063	7.6	0	-3020	SLD 13	-3020	-8821	-68363	-7294	-8821	1	Si
153	0.063	7.6	0	941	SLD 3	941	8821	68363	7294	8821	1	Si
153	0.063	7.6	0	-3442	SLD 13	-3442	-8821	-68363	-7294	-8821	1	Si
171	0.063	7.6	0	519	SLD 3	519	8821	68363	7294	8821	1	Si
171	0.063	7.6	0	-3863	SLD 13	-3863	-8821	-68363	-7294	-8821	1	Si
189	0.086	7.6	0	98	SLD 3	98	8821	68363	10004	10004	1	Si
189	0.086	7.6	0	-4285	SLD 13	-4285	-8821	-68363	-10004	-10004	1	Si
207	0.086	7.6	0	-4707	SLD 13	-4707	-8821	-68363	-10004	-10004	1	Si
216	0.086	7.6	0	-4918	SLD 13	-4918	-8821	-68363	-10004	-10004	1	Si
234	0.086	7.6	0	-5340	SLD 13	-5340	-8821	-68363	-10004	-10004	1	Si
250	0.086	7.6	0	-5715	SLD 13	-5715	-8821	-68363	-10004	-10004	1	Si
252	0	7.6	0	-5762	SLD 13	-5762	-8821	-68363	0	-8821	1	Si
261	0	7.6	0	-5974	SLD 13	-5974	-8821	-68363	0	-8821	1	Si
270	0	11.15	0	-6185	SLD 13	-6185	-10022	-68363	0	-10022	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	184272	2	184272	4.8	124.5	72	1837	168083	2	168083	7.5	93.4	0	+∞	Si
18	221699	3	221699	5.8	124.5	86.7	1837	206288	2	206288	9.3	93.4	0	+∞	Si
20	225311	3	269359	7	124.5	105.3	1837	209901	2	254152	11.4	93.4	0	+∞	Si
36	252265	3	285080	7.4	124.5	111.4	1837	236908	2	270172	12.1	93.4	0	+∞	Si
54	275075	3	295363	7.7	124.5	115.4	1837	259941	2	280952	12.6	93.4	0	+∞	Si
72	290129	3	299105	7.8	124.5	116.9	1837	275388	2	284331	12.8	93.4	0	+∞	Si
81	294747	3	299105	7.8	124.5	116.9	1837	280266	2	284331	12.8	93.4	0	+∞	Si
99	299105	9	299105	7.8	124.5	116.9	1837	284331	2	284331	12.8	93.4	0	+∞	Si
117	296415	9	299105	7.8	124.5	116.9	1837	280806	2	284331	12.8	93.4	0	+∞	Si
135	285386	9	298872	7.8	124.5	116.8	1837	269691	2	283704	12.7	93.4	0	+∞	Si
153	266018	9	292972	7.6	124.5	114.5	1837	250984	2	277257	12.4	93.4	0	+∞	Si
171	238308	9	278732	7.3	124.5	108.9	1837	224686	2	263220	11.8	93.4	0	+∞	Si
189	202256	9	256152	6.7	124.5	100.1	1837	190794	2	241590	10.8	93.4	0	+∞	Si
207	157861	9	225231	5.6	124.5	86.4	1837	149307	2	212368	9	93.4	0	+∞	Si
216	132534	9	206642	5.1	124.5	78.9	1837	125716	2	194910	8.2	93.4	0	+∞	Si
234	76414	3	163206	3.9	124.5	61.8	1837	72837	2	154297	6.3	93.4	0	+∞	Si
250	21018	2	117518	2.8	124.5	44.2	1837	19291	2	111753	4.5	93.4	0	+∞	Si
252	13972	2	13972	0.3	124.5	5.3	1837	12361	2	12361	0.5	93.4	0	+∞	Si
270	-64241	8	-22219	0.8	124.5	25.2	1837	-56572	1	-17671	0.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
20	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
36	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
54	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.01	2	9999	Si
72	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.013	2	0.012	2	9999	Si
81	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.013	2	9999	Si
99	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.015	2	0.014	2	9999	Si
117	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.015	2	9999	Si
126	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.015	2	9999	Si
135	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.015	2	9999	Si
153	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.015	2	0.014	2	9999	Si
171	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
189	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
207	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si
216	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
234	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
250	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
252	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1865	6242	8821	SLV 3	0.4	927	1.114	209901	589089	962923	SLV 13	0.46	1327	1.291	Si
36	1490	6242	8821	SLV 3	0.42	1060	1.177	209901	589089	962923	SLV 13	0.46	1327	1.291	Si
54	1069	6242	8821	SLV 3	0.45	1229	1.251	218807	565313	962923	SLV 9	0.47	1434	1.333	Si
72	647	6242	8821	SLV 3	0.47	1414	1.325	246506	519632	962923	SLV 9	0.49	1622	1.402	Si
81	437	6242	8821	SLV 3	0.48	1513	1.362	257511	496840	962923	SLV 9	0.51	1755	1.448	Si
99	15	6242	8821	SLV 3	0.5	1724	1.437	273830	451396	962923	SLV 9	0.54	2131	1.567	Si
117	-407	-6242	-8821	SLV 13	0.48	1528	1.368	282562	406291	962923	SLV 9	0.57	2474	1.666	Si
135	-828	-6242	-8821	SLV 13	0.46	1333	1.293	283704	362460	962923	SLV 9	0.57	2474	1.666	Si
153	-1250	-6242	-8821	SLV 13	0.44	1154	1.219	204573	367528	962923	SLV 1	0.57	2474	1.666	Si
171	-1672	-6242	-8821	SLV 13	0.41	992	1.146	166011	443892	962923	SLV 1	0.57	2474	1.666	Si
189	-2094	-6242	-10004	SLV 13	0.46	1297	1.279	119853	520551	962923	SLV 1	0.57	2474	1.666	Si
207	-2516	-6242	-10004	SLV 13	0.43	1121	1.205	66100	597464	963356	SLV 1	0.54	2040	1.54	Si
216	-2727	-6242	-10004	SLV 13	0.42	1040	1.168	36375	636019	963427	SLV 1	0.52	1883	1.49	Si
234	-3149	-6242	-10004	SLV 13	0.4	894	1.098	19291	657168	963546	SLV 1	0.51	1812	1.467	Si
250	-3524	-6242	-10004	SLV 13	0.38	779	1.038	19291	657168	963633	SLV 1	0.51	1812	1.467	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1865	2191	8821	SLD 3	0.43	1064	2.967	209901	260609	962923	SLD 13	0.39	839	2.691	Si
36	1490	2191	8821	SLD 3	0.45	1225	3.143	209901	260609	962923	SLD 13	0.39	839	2.691	Si
54	1069	2191	8821	SLD 3	0.47	1420	3.339	218807	249860	962923	SLD 13	0.4	904	2.775	Si
72	647	2191	8821	SLD 3	0.5	1635	3.538	259941	217533	962923	SLD 9	0.43	1118	3.028	Si
81	437	2191	8821	SLD 3	0.51	1751	3.639	259941	217533	962923	SLD 9	0.43	1118	3.028	Si
99	15	2191	8821	SLD 3	0.53	1996	3.84	273830	199745	962923	SLD 9	0.46	1329	3.25	Si
117	-407	-2191	-8821	SLD 13	0.51	1768	3.653	282562	179789	962923	SLD 9	0.5	1700	3.595	Si
135	-828	-2191	-8821	SLD 13	0.49	1541	3.453	283704	160397	962923	SLD 9	0.56	2297	4.067	Si
153	-1250	-2191	-8821	SLD 13	0.46	1334	3.255	276197	147105	962923	SLD 5	0.6	2474	4.193	Si
171	-1672	-2191	-8821	SLD 13	0.44	1146	3.058	263220	147592	962923	SLD 5	0.6	2474	4.193	Si
189	-2094	-2191	-10004	SLD 13	0.48	1499	3.414	119853	230280	962923	SLD 1	0.49	1557	3.468	Si
207	-2516	-2191	-10004	SLD 13	0.46	1296	3.217	66100	264301	963356	SLD 1	0.45	1273	3.193	Si
216	-2727	-2191	-10004	SLD 13	0.44	1202	3.119	36375	281356	963427	SLD 1	0.44	1177	3.092	Si
234	-3149	-2191	-10004	SLD 13	0.42	1023	2.919	19291	290711	963546	SLD 1	0.43	1134	3.045	Si
250	-3524	-2191	-10004	SLD 13	0.4	888	2.755	19291	290711	963633	SLD 1	0.43	1134	3.045	Si

Campata 8 tra i fili 9A - 10, sezione R 40x70, asta 1230

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	155638	SLU 30	148481	963633	0.08						Si
6	15.21	5.4	7.6	5.4	150324	SLU 30	147051	963633	0.08						Si
13	15.21	5.4	7.6	5.4	143655	SLU 30	142759	963633	0.08						Si
19	15.21	5.4	7.6	5.4	135632	SLU 30	135606	963633	0.08						Si
20	15.21	5.4	7.6	5.4	134937	SLU 30	134937	963633	0.08						Si
26	15.21	5.4	7.6	5.4	126255	SLU 30	134937	963633	0.08						Si
29	15.21	5.4	7.6	5.4	121060	SLU 30	134937	963633	0.08						Si
36	15.21	5.4	9.38	5.4	111696	SLU 21	134937	1173957	0.083						Si
42	15.21	5.4	9.81	5.4	103965	SLU 22	134937	1225850	0.083						Si
49	15.21	5.4	10.25	5.4	96451	SLU 22	134937	1277731	0.084	56285	SLU 16	-13078	-1865213	0.093	Si
55	15.21	5.4	10.69	5.4	88013	SLU 19	125968	1329619	0.084	42754	SLU 18	-13078	-1865145	0.093	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
62	15.21	5.4	11.13	5.4	78526	SLU 19	116255	1381489	0.085	27925	SLU 18	-13078	-1865130	0.093	Si
68	15.21	5.4	11.4	5.4	67831	SLU 19	107062	1414287	0.085	11878	SLU 18	-13078	-1865107	0.093	Si
75	15.21	5.4	11.4	5.4	55927	SLU 19	100151	1414287	0.085	-5387	SLU 18	-13078	-1865107	0.093	Si
77	15.21	5.4	11.4	5.4	50506	SLU 19	96837	1414287	0.085	-13078	SLU 18	-13078	-1865107	0.093	Si
78	15.21	5.4	11.4	5.4	49521	SLU 19	49517	1414287	0.085	-14477	SLU 18	-14475	-1865107	0.093	Si
84	15.21	5.4	11.4	5.4	35803	SLU 19	35803	1414287	0.085	-33569	SLU 18	-29417	-1865107	0.093	Si
91	15.21	5.4	11.4	5.4	20876	SLU 19	20876	1414287	0.085	-53880	SLU 18	-38382	-1865107	0.093	Si
97	15.21	5.4	11.4	5.4	4779	SLU 19	4779	1414287	0.085	-75370	SLU 18	-41370	-1865107	0.093	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	440668	SLV 9	429713	963633	0.08	-226035	SLV 7	-219944	-1865528	0.096	Si
6	15.21	5.4	7.6	5.4	430499	SLV 9	427273	963633	0.08	-219997	SLV 7	-219006	-1865528	0.096	Si
13	15.21	5.4	7.6	5.4	419459	SLV 9	419459	963633	0.08	-215072	SLV 7	-215072	-1865528	0.096	Si
19	15.21	5.4	7.6	5.4	407573	SLV 9	407573	963633	0.08	-211284	SLV 7	-211284	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	406612	SLV 9	406612	963633	0.08	-211060	SLV 7	-211060	-1865528	0.096	Si
26	15.21	5.4	7.6	5.4	394879	SLV 9	406612	963633	0.08	-208670	SLV 7	-214234	-1865528	0.096	Si
29	15.21	5.4	7.6	5.4	388246	SLV 9	406612	963633	0.08	-207821	SLV 7	-215467	-1865528	0.096	Si
36	15.21	5.4	9.38	5.4	374463	SLV 9	406612	1173957	0.083	-207090	SLV 7	-225327	-1865300	0.094	Si
42	15.21	5.4	9.81	5.4	360102	SLV 9	406612	1225850	0.083	-207764	SLV 7	-236163	-1865265	0.094	Si
49	15.21	5.4	10.25	5.4	345388	SLV 9	406612	1277731	0.084	-210068	SLV 7	-248722	-1865213	0.093	Si
55	15.21	5.4	10.69	5.4	330688	SLV 9	394512	1329619	0.084	-214369	SLV 7	-248722	-1865145	0.093	Si
62	15.21	5.4	11.13	5.4	316479	SLV 5	381050	1381489	0.085	-221143	SLV 11	-248722	-1865130	0.093	Si
68	15.21	5.4	11.4	5.4	303069	SLV 5	366942	1414287	0.085	-230699	SLV 11	-248722	-1865107	0.093	Si
75	15.21	5.4	11.4	5.4	290289	SLV 5	352361	1414287	0.085	-242867	SLV 11	-248722	-1865107	0.093	Si
77	15.21	5.4	11.4	5.4	284960	SLV 5	346114	1414287	0.085	-248722	SLV 11	-248722	-1865107	0.093	Si
78	15.21	5.4	11.4	5.4	283991	SLV 5	283933	1414287	0.085	-249787	SLV 11	-249730	-1865107	0.093	Si
84	15.21	5.4	11.4	5.4	271300	SLV 5	271300	1414287	0.085	-265020	SLV 11	-260504	-1865107	0.093	Si
91	15.21	5.4	11.4	5.4	258221	SLV 5	258221	1414287	0.085	-281847	SLV 11	-266968	-1865107	0.093	Si
97	15.21	5.4	11.4	5.4	244589	SLV 5	244589	1414287	0.085	-300041	SLV 11	-269123	-1865107	0.093	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	254805	SLD 9	248549	963633	0.08	-40173	SLD 7	-38780	-1865528	0.096	Si
6	15.21	5.4	7.6	5.4	249159	SLD 9	247057	963633	0.08	-38657	SLD 7	-38657	-1865528	0.096	Si
13	15.21	5.4	7.6	5.4	242572	SLD 9	242572	963633	0.08	-38185	SLD 7	-38185	-1865528	0.096	Si
19	15.21	5.4	7.6	5.4	235057	SLD 9	235057	963633	0.08	-38768	SLD 7	-38768	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	234426	SLD 9	234426	963633	0.08	-38874	SLD 7	-55537	-1865528	0.096	Si
26	15.21	5.4	7.6	5.4	226630	SLD 9	234426	963633	0.08	-40421	SLD 7	-62175	-1865528	0.096	Si
29	15.21	5.4	7.6	5.4	222081	SLD 9	234426	963633	0.08	-41656	SLD 7	-65558	-1865528	0.096	Si
36	15.21	5.4	9.38	5.4	212340	SLD 9	234426	1173957	0.083	-44967	SLD 7	-76005	-1865300	0.094	Si
42	15.21	5.4	9.81	5.4	201787	SLD 9	234426	1225850	0.083	-49450	SLD 7	-87433	-1865265	0.094	Si
49	15.21	5.4	10.25	5.4	190522	SLD 9	234426	1277731	0.084	-55202	SLD 7	-99816	-1865213	0.093	Si
55	15.21	5.4	10.69	5.4	178704	SLD 9	226378	1329619	0.084	-62385	SLD 7	-99816	-1865145	0.093	Si
62	15.21	5.4	11.13	5.4	166544	SLD 5	217041	1381489	0.085	-71208	SLD 11	-99816	-1865130	0.093	Si
68	15.21	5.4	11.4	5.4	154180	SLD 5	206862	1414287	0.085	-81810	SLD 11	-99816	-1865107	0.093	Si
75	15.21	5.4	11.4	5.4	141541	SLD 5	195919	1414287	0.085	-94119	SLD 11	-99816	-1865107	0.093	Si
77	15.21	5.4	11.4	5.4	136053	SLD 5	191084	1414287	0.085	-99816	SLD 11	-99816	-1865107	0.093	Si
78	15.21	5.4	11.4	5.4	135055	SLD 5	135033	1414287	0.085	-100851	SLD 11	-100830	-1865107	0.093	Si
84	15.21	5.4	11.4	5.4	121626	SLD 5	121626	1414287	0.085	-115346	SLD 11	-111686	-1865107	0.093	Si
91	15.21	5.4	11.4	5.4	107472	SLD 5	107472	1414287	0.085	-131098	SLD 11	-118199	-1865107	0.093	Si
97	15.21	5.4	11.4	5.4	92537	SLD 5	92537	1414287	0.085	-147989	SLD 11	-120370	-1865107	0.093	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	235	SLU 26	235	8821	68363	0	8821	1	Si
0	0	7.6	0	-825	SLU 11	-825	-8821	-68363	0	-8821	1	Si
6	0	7.6	0	30	SLU 24	30	8821	68363	0	8821	1	Si
6	0	7.6	0	-994	SLU 12	-994	-8821	-68363	0	-8821	1	Si
13	0	7.6	0	-1164	SLU 12	-1164	-8821	-68363	0	-8821	1	Si
19	0	7.6	0	-1338	SLU 30	-1338	-8821	-68363	0	-8821	1	Si
20	0.07	7.6	0	-1354	SLU 30	-1354	-8821	-68363	-8119	-8821	1	Si
26	0.07	7.6	0	-1547	SLU 30	-1547	-8821	-68363	-8119	-8821	1	Si
29	0.07	7.6	0	-1651	SLU 30	-1651	-8821	-68363	-8119	-8821	1	Si
36	0.07	7.6	0	-1859	SLU 30	-1859	-8821	-68363	-8119	-8821	1	Si
42	0.07	7.6	0	-2067	SLU 30	-2067	-8821	-68363	-8119	-8821	1	Si
49	0.07	7.6	0	-2276	SLU 30	-2276	-8821	-68363	-8119	-8821	1	Si
55	0.07	7.6	0	-2484	SLU 30	-2484	-8821	-68363	-8119	-8821	1	Si
62	0.07	7.6	0	-2692	SLU 30	-2692	-8821	-68363	-8119	-8821	1	Si
68	0.07	7.6	0	-2901	SLU 30	-2901	-8821	-68363	-8119	-8821	1	Si
75	0.07	7.6	0	-3109	SLU 30	-3109	-8821	-68363	-8119	-8821	1	Si
77	0.07	7.6	0	-3197	SLU 30	-3197	-8821	-68363	-8119	-8821	1	Si
78	0	7.6	0	-3213	SLU 30	-3213	-8821	-68363	0	-8821	1	Si
84	0	15.21	0	-3421	SLU 30	-3421	-11113	-68363	0	-11113	1	Si
91	0	15.21	0	-3645	SLU 36	-3645	-11113	-68363	0	-11113	1	Si
97	0	15.21	0	-3826	SLU 36	-3826	-11113	-68363	0	-11113	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	2634	SLV 3	3381	11113	68363	0	11113	1	Si
0	0	7.6	0	-3117	SLV 13	-3864	-8821	-68363	0	-8821	1	Si
6	0	15.21	0	2481	SLV 3	3229	11113	68363	0	11113	1	Si
6	0	7.6	0	-3269	SLV 13	-4017	-8821	-68363	0	-8821	1	Si
13	0	15.21	0	2329	SLV 3	3076	11113	68363	0	11113	1	Si
13	0	7.6	0	-3422	SLV 13	-4169	-8821	-68363	0	-8821	1	Si
19	0	15.21	0	2176	SLV 3	2924	11113	68363	0	11113	1	Si
19	0	7.6	0	-3574	SLV 13	-4322	-8821	-68363	0	-8821	1	Si
20	0.07	15.21	0	2164	SLV 3	2912	11113	68363	8119	11113	1	Si
20	0.07	7.6	0	-3586	SLV 13	-4334	-8821	-68363	-8119	-8821	1	Si
26	0.07	15.21	0	2024	SLV 3	2771	11113	68363	8119	11113	1	Si
26	0.07	7.6	0	-3727	SLV 13	-4474	-8821	-68363	-8119	-8821	1	Si
29	0.07	15.21	0	1947	SLV 3	2695	11113	68363	8119	11113	1	Si
29	0.07	7.6	0	-3803	SLV 13	-4551	-8821	-68363	-8119	-8821	1	Si
36	0.07	15.21	0	1795	SLV 3	2542	11113	68363	8119	11113	1	Si
36	0.07	7.6	0	-3956	SLV 13	-4703	-8821	-68363	-8119	-8821	1	Si
42	0.07	15.21	0	1642	SLV 3	2390	11113	68363	8119	11113	1	Si
42	0.07	7.6	0	-4108	SLV 13	-4856	-8821	-68363	-8119	-8821	1	Si
49	0.07	15.21	0	1490	SLV 3	2237	11113	68363	8119	11113	1	Si
49	0.07	7.6	0	-4261	SLV 13	-5008	-8821	-68363	-8119	-8821	1	Si
55	0.07	15.21	0	1337	SLV 3	2085	11113	68363	8119	11113	1	Si
55	0.07	7.6	0	-4413	SLV 13	-5161	-8821	-68363	-8119	-8821	1	Si
62	0.07	7.6	0	1185	SLV 3	1932	8821	68363	8119	8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
62	0.07	7.6	0	-4566	SLV 13	-5313	-8821	-68363	-8119	-8821	1	Si
68	0.07	7.6	0	1032	SLV 3	1780	8821	68363	8119	8821	1	Si
68	0.07	7.6	0	-4718	SLV 13	-5466	-8821	-68363	-8119	-8821	1	Si
75	0.07	7.6	0	880	SLV 3	1627	8821	68363	8119	8821	1	Si
75	0.07	7.6	0	-4871	SLV 13	-5618	-8821	-68363	-8119	-8821	1	Si
77	0.07	7.6	0	815	SLV 3	1563	8821	68363	8119	8821	1	Si
77	0.07	7.6	0	-4935	SLV 13	-5683	-8821	-68363	-8119	-8821	1	Si
78	0	7.6	0	804	SLV 3	1551	8821	68363	0	8821	1	Si
78	0	7.6	0	-4947	SLV 13	-5694	-8821	-68363	0	-8821	1	Si
84	0	7.6	0	651	SLV 3	1399	8821	68363	0	8821	1	Si
84	0	7.6	0	-5099	SLV 13	-5847	-8821	-68363	0	-8821	1	Si
91	0	7.6	0	498	SLV 3	1246	8821	68363	0	8821	1	Si
91	0	15.21	0	-5252	SLV 13	-6000	-11113	-68363	0	-11113	1	Si
97	0	9.16	0	377	SLV 3	1124	9385	68363	0	9385	1	Si
97	0	15.21	0	-5374	SLV 13	-6121	-11113	-68363	0	-11113	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	1026	SLD 3	1026	11113	68363	0	11113	1	Si
0	0	7.6	0	-1509	SLD 13	-1509	-8821	-68363	0	-8821	1	Si
6	0	15.21	0	873	SLD 3	873	11113	68363	0	11113	1	Si
6	0	7.6	0	-1662	SLD 13	-1662	-8821	-68363	0	-8821	1	Si
13	0	7.6	0	721	SLD 3	721	8821	68363	0	8821	1	Si
13	0	7.6	0	-1814	SLD 13	-1814	-8821	-68363	0	-8821	1	Si
19	0	7.6	0	568	SLD 3	568	8821	68363	0	8821	1	Si
19	0	7.6	0	-1967	SLD 13	-1967	-8821	-68363	0	-8821	1	Si
20	0.07	7.6	0	557	SLD 3	557	8821	68363	8119	8821	1	Si
20	0.07	7.6	0	-1978	SLD 13	-1978	-8821	-68363	-8119	-8821	1	Si
26	0.07	7.6	0	416	SLD 3	416	8821	68363	8119	8821	1	Si
26	0.07	7.6	0	-2119	SLD 13	-2119	-8821	-68363	-8119	-8821	1	Si
29	0.07	7.6	0	340	SLD 3	340	8821	68363	8119	8821	1	Si
29	0.07	7.6	0	-2195	SLD 13	-2195	-8821	-68363	-8119	-8821	1	Si
36	0.07	7.6	0	187	SLD 3	187	8821	68363	8119	8821	1	Si
36	0.07	7.6	0	-2348	SLD 13	-2348	-8821	-68363	-8119	-8821	1	Si
42	0.07	7.6	0	35	SLD 3	35	8821	68363	8119	8821	1	Si
42	0.07	7.6	0	-2500	SLD 13	-2500	-8821	-68363	-8119	-8821	1	Si
49	0.07	7.6	0	-2653	SLD 13	-2653	-8821	-68363	-8119	-8821	1	Si
55	0.07	7.6	0	-2805	SLD 13	-2805	-8821	-68363	-8119	-8821	1	Si
62	0.07	7.6	0	-2958	SLD 13	-2958	-8821	-68363	-8119	-8821	1	Si
68	0.07	7.6	0	-3110	SLD 13	-3110	-8821	-68363	-8119	-8821	1	Si
75	0.07	7.6	0	-3263	SLD 13	-3263	-8821	-68363	-8119	-8821	1	Si
77	0.07	7.6	0	-3327	SLD 13	-3327	-8821	-68363	-8119	-8821	1	Si
78	0	7.6	0	-3339	SLD 13	-3339	-8821	-68363	0	-8821	1	Si
84	0	7.6	0	-3492	SLD 13	-3492	-8821	-68363	0	-8821	1	Si
91	0	15.21	0	-3644	SLD 13	-3644	-11113	-68363	0	-11113	1	Si
97	0	15.21	0	-3766	SLD 13	-3766	-11113	-68363	0	-11113	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	115121	3	110840	2.6	124.5	41.7	1837	107316	2	104885	4.2	93.4	0	+∞	Si
6	111843	3	109882	2.6	124.5	41.3	1837	105251	2	104134	4.2	93.4	0	+∞	Si
13	107550	3	107010	2.5	124.5	40.2	1837	102193	2	101881	4.1	93.4	0	+∞	Si
19	102243	3	102224	2.4	124.5	38.4	1837	98144	2	98127	3.9	93.4	0	+∞	Si
20	101776	3	101776	2.4	124.5	38.3	1837	97776	2	97776	3.9	93.4	0	+∞	Si
26	95923	3	101776	2.4	124.5	38.3	1837	93105	2	97776	3.9	93.4	0	+∞	Si
29	92383	3	101776	2.4	124.5	38.3	1837	90213	2	97776	3.9	93.4	0	+∞	Si
36	84543	3	101776	3.8	124.5	182.7	1837	83686	2	97776	3.6	93.4	0	+∞	Si
42	77593	4	101776	3.7	124.5	174.8	1837	77189	1	97776	3.6	93.4	0	+∞	Si
49	70602	4	101776	3.7	124.5	167.5	1837	70494	1	97776	3.5	93.4	0	+∞	Si
55	62808	1	95727	3.4	124.5	151.3	1837	62808	1	92944	3.3	93.4	0	+∞	Si
62	54131	1	88366	3.1	124.5	134.3	1837	54131	1	86886	3	93.4	0	+∞	Si
68	44463	1	80528	2.8	124.5	119.5	1837	44463	1	80000	2.8	93.4	0	+∞	Si
75	33802	1	74026	2.6	124.5	109.9	1837	33802	1	73773	2.6	93.4	0	+∞	Si
77	28978	1	70959	2.5	124.5	105.3	1837	28978	1	70836	2.5	93.4	0	+∞	Si
78	28101	1	28099	1	124.5	41.7	1837	28101	1	28099	1	93.4	0	+∞	Si
84	15953	1	15953	0.6	124.5	23.7	1837	15953	1	15953	0.6	93.4	0	+∞	Si
84	-7019	9	-3622	0.1	124.5	4.1	1837								Si
91	2814	1	2814	0.1	124.5	4.2	1837	2814	1	2814	0.1	93.4	0	+∞	Si
91	-23503	9	-10821	0.4	124.5	12.2	1837	-11813	2	-305	0	93.4	0	+∞	Si
97	-41042	9	-13220	0.4	124.5	14.9	1837	-27726	2	-11170	0.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
6	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
13	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
19	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
26	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
29	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
36	0	0	0	0	0	0	0	0	0	0	0.001	1	0	1	9999	Si
42	0	0	0	0	0	0	0	0	0	0	0.001	1	0	1	9999	Si
49	0	0	0	0	0	0	0	0	0	0	0.001	1	0	1	9999	Si
55	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
62	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
68	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
75	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
77	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
78	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
84	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
91	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-711	-3623	-8821	SLV 13	0.57	2474	1.666	97776	308836	963633	SLV 9	0.57	2474	1.666	Si
26	-852	-3623	-8821	SLV 13	0.57	2474	1.666	97776	308836	963633	SLV 9	0.57	2474	1.666	Si
29	-928	-3623	-8821	SLV 13	0.57	2474	1.666	97776	308836	963633	SLV 9	0.57	2474	1.666	Si
36	-1080	-3623	-8821	SLV 13	0.57	2474	1.666	97776	308836	1173957	SLV 9	0.57	2474	1.666	Si
42	-1233	-3623	-8821	SLV 13	0.57	2474	1.666	97776	308836	1225850	SLV 9	0.57	2474	1.666	Si
49	-1385	-3623	-8821	SLV 13	0.57	2474	1.666	97776	308836	1277731	SLV 9	0.57	2474	1.666	Si
55	-1538	-3623	-8821	SLV 13	0.57	2474	1.666	92944	301567	1329619	SLV 9	0.57	2474	1.666	Si
62	-1690	-3623	-8821	SLV 13	0.57	2474	1.666	86886	294164	1381489	SLV 9	0.57	2474	1.666	Si
68	-1843	-3623	-8821	SLV 13	0.57	2474	1.666	79836	287106	1414287	SLV 9	0.57	2474	1.666	Si
75	-1995	-3623	-8821	SLV 13	0.57	2474	1.666	71796	280565	1414287	SLV 9	0.57	2474	1.666	Si
77	-2060	-3623	-8821	SLV 13	0.57	2474	1.666	18119	266841	1414287	SLV 5	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-711	-1267	-8821	SLD 13	0.6	2474	4.193	97776	136650	963633	SLD 9	0.6	2474	4.193	Si
26	-852	-1267	-8821	SLD 13	0.6	2474	4.193	97776	136650	963633	SLD 9	0.6	2474	4.193	Si
29	-928	-1267	-8821	SLD 13	0.6	2474	4.193	97776	136650	963633	SLD 9	0.6	2474	4.193	Si
36	-1080	-1267	-8821	SLD 13	0.6	2474	4.193	97776	136650	1173957	SLD 9	0.6	2474	4.193	Si
42	-1233	-1267	-8821	SLD 13	0.6	2474	4.193	97776	136650	1225850	SLD 9	0.6	2474	4.193	Si
49	-1385	-1267	-8821	SLD 13	0.6	2474	4.193	97776	136650	1277731	SLD 9	0.6	2474	4.193	Si
55	-1538	-1267	-8821	SLD 13	0.6	2474	4.193	92944	133433	1329619	SLD 9	0.6	2474	4.193	Si
62	-1690	-1267	-8821	SLD 13	0.6	2474	4.193	86886	130155	1381489	SLD 9	0.6	2474	4.193	Si
68	-1843	-1267	-8821	SLD 13	0.6	2474	4.193	79836	127026	1414287	SLD 9	0.6	2474	4.193	Si
75	-1995	-1267	-8821	SLD 13	0.6	2474	4.193	71796	124123	1414287	SLD 9	0.6	2474	4.193	Si
77	-2060	-1267	-8821	SLD 13	0.6	2474	4.193	18119	117934	1414287	SLD 5	0.6	2474	4.193	Si

Campata 9 tra i fili 10 - 11, sezione R 40x70, asta 1231

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	247468	SLU 19	209968	1414287	0.085						Si
14	15.21	5.4	11.4	5.4	194000	SLU 19	190597	1414287	0.085						Si
20	15.21	5.4	11.4	5.4	170434	SLU 19	170434	1414287	0.085	90382	SLU 18	-897	-1865107	0.093	Si
28	14.45	5.4	11.4	5.4	138508	SLU 19	170434	1414311	0.085	66318	SLU 18	-27670	-1775716	0.091	Si
42	13.13	5.4	10.71	5.4	80993	SLU 19	170434	1331631	0.084	22247	SLU 12	-82704	-1619317	0.089	Si
56	11.81	5.4	9.76	5.4	21455	SLU 19	142788	1219822	0.083	-24029	SLU 12	-147368	-1462847	0.087	Si
63	11.15	5.4	9.29	5.4	-9073	SLU 19	114361	1163893	0.082	-47850	SLU 12	-180538	-1384559	0.085	Si
77	7.6	5.4	7.6	5.4	-58721	SLU 1	55989	962923	0.078	-109785	SLU 30	-248553	-962923	0.078	Si
91	7.6	5.4	7.6	5.4						-175396	SLU 30	-319437	-962923	0.078	Si
105	7.6	5.4	7.6	5.4						-243239	SLU 30	-392903	-962923	0.078	Si
112	7.6	5.4	7.6	5.4						-278177	SLU 36	-430567	-962923	0.078	Si
119	10.61	5.4	7.6	5.4						-313884	SLU 36	-468852	-1320669	0.085	Si
133	11.93	5.4	7.6	5.4						-387160	SLU 36	-547285	-1477366	0.088	Si
147	13.25	5.4	7.6	5.4						-462919	SLU 36	-628201	-1634013	0.091	Si
154	13.91	5.4	7.6	5.4						-501731	SLU 36	-669590	-1712256	0.093	Si
168	15.21	5.4	7.6	5.4						-581215	SLU 36	-711175	-1865528	0.096	Si
182	15.21	5.4	7.6	5.4						-663183	SLU 36	-711175	-1865528	0.096	Si
190	15.21	5.4	7.6	5.4						-711175	SLU 36	-711175	-1865528	0.096	Si
196	15.21	5.4	7.6	5.4						-747635	SLU 36	-742004	-1865528	0.096	Si
210	15.21	5.4	7.6	5.4						-834570	SLU 36	-771624	-1865528	0.096	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	1231619	SLV 13	1110073	1414287	0.085	-884133	SLV 3	-819821	-1865107	0.093	Si
14	15.21	5.4	11.4	5.4	1060302	SLV 13	1049464	1414287	0.085	-794544	SLV 3	-788905	-1865107	0.093	Si
20	15.21	5.4	11.4	5.4	986382	SLV 13	986382	1414287	0.085	-756726	SLV 3	-756726	-1865107	0.093	Si
28	14.45	5.4	11.4	5.4	887450	SLV 13	986382	1414311	0.085	-706765	SLV 3	-756726	-1775716	0.091	Si
42	13.13	5.4	10.71	5.4	713192	SLV 13	986382	1331631	0.084	-620924	SLV 3	-756726	-1619317	0.089	Si
56	11.81	5.4	9.76	5.4	537894	SLV 13	900690	1219822	0.083	-537386	SLV 3	-713439	-1462847	0.087	Si
63	11.15	5.4	9.29	5.4	450204	SLV 13	813777	1163893	0.082	-496830	SLV 3	-670189	-1384559	0.085	Si
77	7.6	5.4	7.6	5.4	278087	SLV 13	639014	962923	0.078	-421489	SLV 3	-585259	-962923	0.078	Si
91	7.6	5.4	7.6	5.4	125270	SLV 15	463609	962923	0.078	-368792	SLV 1	-503030	-962923	0.078	Si
105	7.6	5.4	7.6	5.4	3931	SLV 11	291082	962923	0.078	-350917	SLV 5	-617610	-962923	0.078	Si
119	10.61	5.4	7.6	5.4	-1981	SLV 7	130939	963306	0.079	-451813	SLV 9	-783069	-1320669	0.085	Si
133	11.93	5.4	7.6	5.4	41097	SLV 7	147645	963421	0.08	-605042	SLV 9	-951046	-1477366	0.088	Si
147	13.25	5.4	7.6	5.4	92844	SLV 7	197200	963517	0.08	-770284	SLV 9	-1121039	-1634013	0.091	Si
154	13.91	5.4	7.6	5.4	118480	SLV 7	221427	963559	0.08	-853921	SLV 9	-1206740	-1712256	0.093	Si
168	15.21	5.4	7.6	5.4	168833	SLV 7	245038	963633	0.08	-1022785	SLV 9	-1292029	-1865528	0.096	Si
182	15.21	5.4	7.6	5.4	217773	SLV 7	245038	963633	0.08	-1193581	SLV 9	-1292029	-1865528	0.096	Si
190	15.21	5.4	7.6	5.4	245038	SLV 7	245038	963633	0.08	-1292029	SLV 9	-1292029	-1865528	0.096	Si
196	15.21	5.4	7.6	5.4	265195	SLV 7	262426	963633	0.08	-1366201	SLV 9	-1355113	-1865528	0.096	Si
210	15.21	5.4	7.6	5.4	311043	SLV 7	279133	963633	0.08	-1540592	SLV 9	-1415722	-1865528	0.096	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	641749	SLD 13	572018	1414287	0.085	-294262	SLD 3	-281767	-1865107	0.093	Si
14	15.21	5.4	11.4	5.4	543172	SLD 13	536927	1414287	0.085	-277414	SLD 3	-276368	-1865107	0.093	Si
20	15.21	5.4	11.4	5.4	500404	SLD 13	500404	1414287	0.085	-270748	SLD 3	-270748	-1865107	0.093	Si
28	14.45	5.4	11.4	5.4	442983	SLD 13	500404	1414311	0.085	-262298	SLD 3	-270748	-1775716	0.091	Si
42	13.13	5.4	10.71	5.4	341239	SLD 13	500404	1331631	0.084	-248971	SLD 3	-270748	-1619317	0.089	Si
56	11.81	5.4	9.76	5.4	238100	SLD 13	450671	1219822	0.083	-237592	SLD 3	-263420	-1462847	0.087	Si
63	11.15	5.4	9.29	5.4	186161	SLD 13	400047	1163893	0.082	-232787	SLD 3	-256459	-1384559	0.085	Si
77	7.6	5.4	7.6	5.4	83023	SLD 13	297684	962923	0.078	-226426	SLD 3	-257472	-962923	0.078	Si
91	7.6	5.4	7.6	5.4	-12472	SLD 15	194100	962923	0.078	-231050	SLD 1	-333638	-962923	0.078	Si
105	7.6	5.4	7.6	5.4	-94999	SLD 11	90853	962923	0.078	-251987	SLD 5	-432881	-962923	0.078	Si
119	10.61	5.4	7.6	5.4						-326403	SLD 9	-537806	-1320669	0.085	Si
133	11.93	5.4	7.6	5.4						-424919	SLD 9	-644774	-1477366	0.088	Si
147	13.25	5.4	7.6	5.4						-529678	SLD 9	-753564	-1634013	0.091	Si
154	13.91	5.4	7.6	5.4						-582854	SLD 9	-808619	-1712256	0.093	Si
168	15.21	5.4	7.6	5.4						-690608	SLD 9	-863550	-1865528	0.096	Si
182	15.21	5.4	7.6	5.4						-800147	SLD 9	-863550	-1865528	0.096	Si
190	15.21	5.4	7.6	5.4						-863550	SLD 9	-863550	-1865528	0.096	Si
196	15.21	5.4	7.6	5.4						-911425	SLD 9	-904199	-1865528	0.096	Si
210	15.21	5.4	7.6	5.4						-1024418	SLD 9	-943254	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	9.29	0	-3798	SLU 23	-3798	-9431	-68363	0	-9431	1	Si
14	0	7.6	0	-3943	SLU 23	-3943	-8821	-68363	0	-8821	1	Si
20	0.142	7.6	0	-4005	SLU 23	-4005	-8821	-68363	-16477	-16477	1	Si
28	0.142	7.6	0	-4087	SLU 23	-4087	-8821	-68363	-16477	-16477	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
42	0.142	7.6	0	-4232	SLU 23	-4232	-8821	-68363	-16477	-16477	1	Si
56	0.142	10.61	0	-4381	SLU 32	-4381	-9858	-68363	-16477	-16477	1	Si
63	0.142	11.27	0	-4461	SLU 32	-4461	-10058	-68363	-16477	-16477	1	Si
77	0.142	12.59	0	-4620	SLU 32	-4620	-10436	-68363	-16477	-16477	1	Si
91	0.142	13.91	0	-4791	SLU 36	-4791	-10789	-68363	-16477	-16477	1	Si
105	0.142	13.13	0	-4968	SLU 36	-4968	-10583	-68363	-16477	-16477	1	Si
119	0.142	11.81	0	-5145	SLU 36	-5145	-10216	-68363	-16477	-16477	1	Si
133	0.142	7.6	0	-5323	SLU 36	-5323	-8821	-68363	-16477	-16477	1	Si
147	0.142	7.6	0	-5500	SLU 36	-5500	-8821	-68363	-16477	-16477	1	Si
154	0.142	7.6	0	-5589	SLU 36	-5589	-8821	-68363	-16477	-16477	1	Si
168	0.142	7.6	0	-5766	SLU 36	-5766	-8821	-68363	-16477	-16477	1	Si
182	0.142	10.61	0	-5944	SLU 36	-5944	-9858	-68363	-16477	-16477	1	Si
190	0.142	11.27	0	-6045	SLU 36	-6045	-10058	-68363	-16477	-16477	1	Si
196	0	11.93	0	-6121	SLU 36	-6121	-10251	-68363	0	-10251	1	Si
210	0	13.25	0	-6298	SLU 36	-6298	-10616	-68363	0	-10616	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.15	0	6480	SLV 3	8908	10022	68363	0	10022	1	Si
0	0	9.29	0	-12198	SLV 13	-14627	-9431	-68363	0	-9431	1	Si
14	0	7.6	0	6361	SLV 3	8789	8821	68363	0	8821	1	Si
14	0	7.6	0	-12318	SLV 13	-14746	-8821	-68363	0	-8821	1	Si
20	0.142	7.6	0	6309	SLV 3	8738	8821	68363	16477	16477	1	Si
20	0.142	7.6	0	-12369	SLV 13	-14797	-8821	-68363	-16477	-16477	1	Si
28	0.142	7.6	0	6241	SLV 3	8669	8821	68363	16477	16477	1	Si
28	0.142	7.6	0	-12437	SLV 13	-14866	-8821	-68363	-16477	-16477	1	Si
42	0.142	7.6	0	6122	SLV 3	8550	8821	68363	16477	16477	1	Si
42	0.142	7.6	0	-12557	SLV 13	-14985	-8821	-68363	-16477	-16477	1	Si
56	0.142	10.61	0	6002	SLV 3	8431	9858	68363	16477	16477	1	Si
56	0.142	7.6	0	-12676	SLV 13	-15104	-8821	-68363	-16477	-16477	1	Si
63	0.142	11.27	0	5943	SLV 3	8371	10058	68363	16477	16477	1	Si
63	0.142	7.6	0	-12736	SLV 13	-15164	-8821	-68363	-16477	-16477	1	Si
77	0.142	12.59	0	5823	SLV 3	8251	10436	68363	16477	16477	1	Si
77	0.142	7.6	0	-12855	SLV 13	-15283	-8821	-68363	-16477	-16477	1	Si
91	0.142	13.91	0	5704	SLV 3	8132	10789	68363	16477	16477	1	Si
91	0.142	7.6	0	-12975	SLV 13	-15403	-8821	-68363	-16477	-16477	1	Si
105	0.142	13.13	0	5584	SLV 3	8013	10583	68363	16477	16477	1	Si
105	0.142	13.13	0	-13094	SLV 13	-15522	-10583	-68363	-16477	-16477	1	Si
119	0.142	11.81	0	5465	SLV 3	7893	10216	68363	16477	16477	1	Si
119	0.142	11.81	0	-13214	SLV 13	-15642	-10216	-68363	-16477	-16477	1	Si
133	0.142	7.6	0	5346	SLV 3	7774	8821	68363	16477	16477	1	Si
133	0.142	7.6	0	-13333	SLV 13	-15761	-8821	-68363	-16477	-16477	1	Si
147	0.142	7.6	0	5226	SLV 3	7654	8821	68363	16477	16477	1	Si
147	0.142	7.6	0	-13452	SLV 13	-15881	-8821	-68363	-16477	-16477	1	Si
154	0.142	7.6	0	5166	SLV 3	7595	8821	68363	16477	16477	1	Si
154	0.142	7.6	0	-13512	SLV 13	-15940	-8821	-68363	-16477	-16477	1	Si
168	0.142	7.6	0	5047	SLV 3	7475	8821	68363	16477	16477	1	Si
168	0.142	7.6	0	-13632	SLV 13	-16060	-8821	-68363	-16477	-16477	1	Si
182	0.142	7.6	0	4928	SLV 3	7356	8821	68363	16477	16477	1	Si
182	0.142	10.61	0	-13751	SLV 13	-16179	-9858	-68363	-16477	-16477	1	Si
190	0.142	7.6	0	4859	SLV 3	7288	8821	68363	16477	16477	1	Si
190	0.142	11.27	0	-13819	SLV 13	-16247	-10058	-68363	-16477	-16477	1	Si
196	0	7.6	0	4808	SLV 3	7236	8821	68363	0	8821	1	Si
196	0	11.93	0	-13870	SLV 13	-16299	-10251	-68363	0	-10251	1	Si
210	0	7.6	0	4689	SLV 3	7117	8821	68363	0	8821	1	Si
210	0	13.25	0	-13990	SLV 13	-16418	-10616	-68363	0	-10616	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.15	0	1272	SLD 3	1272	10022	68363	0	10022	1	Si
0	0	9.29	0	-6991	SLD 13	-6991	-9431	-68363	0	-9431	1	Si
14	0	7.6	0	1153	SLD 3	1153	8821	68363	0	8821	1	Si
14	0	7.6	0	-7110	SLD 13	-7110	-8821	-68363	0	-8821	1	Si
20	0.142	7.6	0	1102	SLD 3	1102	8821	68363	16477	16477	1	Si
20	0.142	7.6	0	-7161	SLD 13	-7161	-8821	-68363	-16477	-16477	1	Si
28	0.142	7.6	0	1034	SLD 3	1034	8821	68363	16477	16477	1	Si
28	0.142	7.6	0	-7230	SLD 13	-7230	-8821	-68363	-16477	-16477	1	Si
42	0.142	7.6	0	914	SLD 3	914	8821	68363	16477	16477	1	Si
42	0.142	7.6	0	-7349	SLD 13	-7349	-8821	-68363	-16477	-16477	1	Si
56	0.142	10.61	0	795	SLD 3	795	9858	68363	16477	16477	1	Si
56	0.142	7.6	0	-7468	SLD 13	-7468	-8821	-68363	-16477	-16477	1	Si
63	0.142	11.27	0	735	SLD 3	735	10058	68363	16477	16477	1	Si
63	0.142	7.6	0	-7528	SLD 13	-7528	-8821	-68363	-16477	-16477	1	Si
77	0.142	12.59	0	616	SLD 3	616	10436	68363	16477	16477	1	Si
77	0.142	7.6	0	-7648	SLD 13	-7648	-8821	-68363	-16477	-16477	1	Si
91	0.142	13.91	0	496	SLD 3	496	10789	68363	16477	16477	1	Si
91	0.142	13.91	0	-7767	SLD 13	-7767	-10789	-68363	-16477	-16477	1	Si
105	0.142	13.13	0	377	SLD 3	377	10583	68363	16477	16477	1	Si
105	0.142	13.13	0	-7886	SLD 13	-7886	-10583	-68363	-16477	-16477	1	Si
119	0.142	11.81	0	257	SLD 3	257	10216	68363	16477	16477	1	Si
119	0.142	11.81	0	-8006	SLD 13	-8006	-10216	-68363	-16477	-16477	1	Si
133	0.142	7.6	0	138	SLD 3	138	8821	68363	16477	16477	1	Si
133	0.142	7.6	0	-8125	SLD 13	-8125	-8821	-68363	-16477	-16477	1	Si
147	0.142	7.6	0	18	SLD 3	18	8821	68363	16477	16477	1	Si
147	0.142	7.6	0	-8245	SLD 13	-8245	-8821	-68363	-16477	-16477	1	Si
154	0.142	7.6	0	-8304	SLD 13	-8304	-8821	-68363	-16477	-16477	1	Si
168	0.142	7.6	0	-8424	SLD 13	-8424	-8821	-68363	-16477	-16477	1	Si
182	0.142	10.61	0	-8543	SLD 13	-8543	-9858	-68363	-16477	-16477	1	Si
190	0.142	11.27	0	-8612	SLD 13	-8612	-10058	-68363	-16477	-16477	1	Si
196	0	11.93	0	-8663	SLD 13	-8663	-10251	-68363	0	-10251	1	Si
210	0	13.25	0	-8782	SLD 13	-8782	-10616	-68363	0	-10616	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	182243	1	153700	5.3	124.5	228.1	1837	182243	1	153700	5.3	93.4	0	+∞	Si
14	141483	1	138890	4.8	124.5	206.2	1837	141483	1	138890	4.8	93.4	0	+∞	Si
20	123476	1	123476	4.3	124.5	183.3	1837	123476	1	123476	4.3	93.4	0	+∞	Si
28	99050	1	123476	4.3	124.5	183.4	1837	99050	1	123476	4.3	93.4	0	+∞	Si
42	54946	1	123476	4.5	124.5	195.1	1837	54946	1	123476	4.5	93.4	0	+∞	Si
56	9170	1	102325	3.9	124.5	177	1837	9170	1	102325	3.9	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
56	-6606	3	-107758	4	124.5	155.3	1837								Si
63	-30298	3	-133185	5.1	124.5	203	1837	-23313	2	-125683	4.8	93.4	0	+∞	Si
77	-78935	3	-185293	4.8	124.5	72.4	1837	-71701	2	-177543	8	93.4	0	+∞	Si
91	-129244	3	-239498	6.2	124.5	93.6	1837	-121761	2	-231074	10.4	93.4	0	+∞	Si
105	-181225	3	-295607	7.7	124.5	115.5	1837	-173493	2	-286278	12.8	93.4	0	+∞	Si
119	-235256	9	-353554	14	124.5	566.1	1837	-226897	2	-343153	13.6	93.4	0	+∞	Si
133	-291224	9	-413340	15.7	124.5	591.2	1837	-281972	2	-401700	15.3	93.4	0	+∞	Si
147	-349031	9	-474964	17.4	124.5	614.2	1837	-338720	2	-461920	16.9	93.4	0	+∞	Si
154	-378623	9	-506466	18.3	124.5	625	1837	-367721	2	-492656	17.8	93.4	0	+∞	Si
168	-439188	9	-538104	18.8	124.5	609.9	1837	-426976	2	-523496	18.3	93.4	0	+∞	Si
182	-501591	9	-538104	18.8	124.5	609.9	1837	-487904	2	-523496	18.3	93.4	0	+∞	Si
190	-538104	9	-538104	18.8	124.5	609.9	1837	-523496	2	-523496	18.3	93.4	0	+∞	Si
196	-565833	9	-561554	19.6	124.5	636.5	1837	-550503	2	-546343	19.1	93.4	0	+∞	Si
210	-631913	9	-584084	20.4	124.5	662	1837	-614774	2	-568295	19.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
14	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
20	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
28	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
42	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
56	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.004	1	9999	Si
63	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
77	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
91	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.006	1	-0.006	1	9999	Si
105	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
119	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
133	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.008	1	9999	Si
147	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
154	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
168	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
182	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
190	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
196	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-3030	-11767	-16477	SLV 13	0.41	986	1.143	114828	871554	1414287	SLV 13	0.53	2000	1.527	Si
28	-3098	-11767	-16477	SLV 13	0.41	973	1.137	114828	871554	1414311	SLV 13	0.53	2001	1.528	Si
42	-3217	-11767	-16477	SLV 13	0.41	952	1.126	114828	871554	1331631	SLV 13	0.5	1678	1.421	Si
56	-3337	-11767	-16477	SLV 13	0.4	931	1.116	93625	807064	1219822	SLV 13	0.5	1676	1.42	Si
63	-3397	-11767	-16477	SLV 13	0.4	921	1.111	71794	741983	1163893	SLV 13	0.53	1933	1.506	Si
77	-3516	-11767	-16477	SLV 13	0.4	900	1.101	26878	612136	962923	SLV 13	0.54	2140	1.57	Si
91	-3635	-11767	-16477	SLV 13	0.4	880	1.091	-19711	-483319	-962923	SLV 3	0.57	2474	1.666	Si
105	-3755	-11767	-16477	SLV 13	0.39	860	1.081	-286278	-331333	-962923	SLV 9	0.57	2474	1.666	Si
119	-3874	-11767	-16477	SLV 13	0.39	841	1.071	-343153	-439916	-1320669	SLV 9	0.57	2474	1.666	Si
133	-3994	-11767	-16477	SLV 13	0.39	822	1.061	-401700	-549345	-1477366	SLV 9	0.57	2474	1.666	Si
147	-4113	-11767	-16477	SLV 13	0.38	803	1.051	-461920	-659120	-1634013	SLV 9	0.57	2474	1.666	Si
154	-4173	-11767	-16477	SLV 13	0.38	793	1.045	-492656	-714084	-1712256	SLV 9	0.57	2474	1.666	Si
168	-4292	-11767	-16477	SLV 13	0.38	774	1.035	-523496	-768533	-1865528	SLV 9	0.57	2474	1.666	Si
182	-4412	-11767	-16477	SLV 13	0.37	756	1.025	-523496	-768533	-1865528	SLV 9	0.57	2474	1.666	Si
190	-4480	-11767	-16477	SLV 13	0.37	746	1.019	-523496	-768533	-1865528	SLV 9	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-3030	-4132	-16477	SLD 13	0.44	1139	3.051	114828	385576	1414287	SLD 13	0.45	1249	3.168	Si
28	-3098	-4132	-16477	SLD 13	0.43	1124	3.034	114828	385576	1414311	SLD 13	0.45	1249	3.168	Si
42	-3217	-4132	-16477	SLD 13	0.43	1097	3.004	114828	385576	1331631	SLD 13	0.42	1048	2.948	Si
56	-3337	-4132	-16477	SLD 13	0.43	1071	2.975	93625	357045	1219822	SLD 13	0.42	1046	2.946	Si
63	-3397	-4132	-16477	SLD 13	0.42	1058	2.96	71794	328253	1163893	SLD 13	0.44	1207	3.124	Si
77	-3516	-4132	-16477	SLD 13	0.42	1031	2.929	26878	270806	962923	SLD 13	0.46	1336	3.257	Si
91	-3635	-4132	-16477	SLD 13	0.42	1006	2.899	-19711	-213811	-962923	SLD 3	0.58	2474	4.193	Si
105	-3755	-4132	-16477	SLD 13	0.41	980	2.868	-286278	-146603	-962923	SLD 9	0.6	2474	4.193	Si
119	-3874	-4132	-16477	SLD 13	0.41	958	2.842	-343153	-194653	-1320669	SLD 9	0.6	2474	4.193	Si
133	-3994	-4132	-16477	SLD 13	0.41	935	2.814	-401700	-243073	-1477366	SLD 9	0.58	2474	4.193	Si
147	-4113	-4132	-16477	SLD 13	0.4	914	2.787	-461920	-291644	-1634013	SLD 9	0.53	1998	3.841	Si
154	-4173	-4132	-16477	SLD 13	0.4	904	2.775	-492656	-315963	-1712256	SLD 9	0.51	1793	3.674	Si
168	-4292	-4132	-16477	SLD 13	0.4	882	2.747	-523496	-340054	-1865528	SLD 9	0.52	1903	3.765	Si
182	-4412	-4132	-16477	SLD 13	0.39	861	2.72	-523496	-340054	-1865528	SLD 9	0.52	1903	3.765	Si
190	-4480	-4132	-16477	SLD 13	0.39	849	2.704	-523496	-340054	-1865528	SLD 9	0.52	1903	3.765	Si

Campata 10 tra i fili 11 - 12, sezione R 40x70, asta 1232

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-752659	SLU 36	-705754	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-661362	SLU 36	-661362	-1865528	0.096	Si
41	15.21	5.4	7.6	5.4						-572303	SLU 36	-661362	-1865528	0.096	Si
61	13.51	5.4	7.6	5.4						-489982	SLU 36	-609362	-1664535	0.092	Si
81	11.59	5.4	7.6	5.4						-413257	SLU 30	-524790	-1437056	0.087	Si
92	10.63	5.4	7.6	5.4						-377864	SLU 30	-484469	-1323244	0.085	Si
102	7.6	5.4	7.6	5.4						-343649	SLU 30	-445458	-962923	0.078	Si
112	7.6	5.4	7.6	5.4						-310612	SLU 30	-408279	-962923	0.078	Si
132	7.6	5.4	7.6	5.4						-248135	SLU 21	-339002	-962923	0.078	Si
153	7.6	5.4	10.57	5.4						-192943	SLU 21	-274437	-963301	0.079	Si
173	7.6	5.4	7.6	5.4						-142406	SLU 22	-216199	-962923	0.078	Si
193	7.6	5.4	7.6	5.4						-98660	SLU 19	-163550	-962923	0.078	Si
214	7.6	5.4	7.6	5.4	-23667	SLU 18	17857	962923	0.078	-59758	SLU 19	-116836	-962923	0.078	Si
234	7.6	5.4	7.6	5.4	6362	SLU 18	43090	962923	0.078	-25124	SLU 19	-76015	-962923	0.078	Si
244	7.6	5.4	7.6	5.4	19738	SLU 18	56278	962923	0.078	-9408	SLU 19	-57247	-962923	0.078	Si
264	7.6	5.4	7.6	5.4	45103	SLU 36	71204	962923	0.078	16932	SLU 1	-22914	-962923	0.078	Si
285	7.6	5.4	7.6	5.4	71204	SLU 30	71204	962923	0.078						Si
305	7.6	5.4	7.6	5.4	93311	SLU 30	83388	962923	0.078						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	431618	SLV 15	404362	963633	0.08	-1530825	SLV 1	-1437563	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	375112	SLV 15	375112	963633	0.08	-1345693	SLV 1	-1345693	-1865528	0.096	Si
41	15.21	5.4	7.6	5.4	313260	SLV 15	375112	963633	0.08	-1158039	SLV 1	-1345693	-1865528	0.096	Si
61	13.51	5.4	7.6	5.4	248985	SLV 15	339792	963534	0.08	-977130	SLV 1	-1236958	-1664535	0.092	Si
81	11.59	5.4	7.6	5.4	181446	SLV 15	276961	963394	0.08	-800010	SLV 1	-1054462	-1437056	0.087	Si
92	10.63	5.4	7.6	5.4	159089	SLV 11	244291	963307	0.079	-725508	SLV 5	-964605	-1323244	0.085	Si
102	7.6	5.4	7.6	5.4	147091	SLV 11	210807	962923	0.078	-663129	SLV 5	-875697	-962923	0.078	Si
112	7.6	5.4	7.6	5.4	134371	SLV 11	176534	962923	0.078	-601790	SLV 5	-787764	-962923	0.078	Si
132	7.6	5.4	7.6	5.4	107392	SLV 11	145302	962923	0.078	-482864	SLV 5	-654501	-962923	0.078	Si
153	7.6	5.4	10.57	5.4	89256	SLV 11	130375	1314974	0.084	-379836	SLV 5	-533340	-963301	0.079	Si
173	7.6	5.4	7.6	5.4	112258	SLV 7	260856	962923	0.078	-324998	SLV 9	-420171	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	204832	SLV 3	390546	962923	0.078	-346785	SLV 13	-443656	-962923	0.078	Si
214	7.6	5.4	7.6	5.4	334940	SLV 3	520441	962923	0.078	-413162	SLV 13	-519903	-962923	0.078	Si
234	7.6	5.4	7.6	5.4	464396	SLV 3	653617	962923	0.078	-485939	SLV 13	-606485	-962923	0.078	Si
244	7.6	5.4	7.6	5.4	529615	SLV 3	721636	962923	0.078	-525463	SLV 13	-653851	-962923	0.078	Si
264	7.6	5.4	7.6	5.4	663084	SLV 3	801911	962923	0.078	-612833	SLV 13	-712061	-962923	0.078	Si
285	7.6	5.4	7.6	5.4	801911	SLV 1	801911	962923	0.078	-712061	SLV 15	-712061	-962923	0.078	Si
305	7.6	5.4	7.6	5.4	935924	SLV 1	871176	962923	0.078	-814637	SLV 15	-763916	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-983688	SLD 1	-924026	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-865924	SLD 1	-865924	-1865528	0.096	Si
41	15.21	5.4	7.6	5.4						-747833	SLD 1	-865924	-1865528	0.096	Si
61	13.51	5.4	7.6	5.4						-635282	SLD 1	-797352	-1664535	0.092	Si
81	11.59	5.4	7.6	5.4						-526373	SLD 1	-683254	-1437056	0.087	Si
92	10.63	5.4	7.6	5.4						-478921	SLD 5	-627557	-1323244	0.085	Si
102	7.6	5.4	7.6	5.4						-437274	SLD 5	-572772	-962923	0.078	Si
112	7.6	5.4	7.6	5.4						-396578	SLD 5	-518910	-962923	0.078	Si
132	7.6	5.4	7.6	5.4						-318320	SLD 5	-431550	-962923	0.078	Si
153	7.6	5.4	10.57	5.4	-41519	SLD 11	7060	1314974	0.084	-249061	SLD 5	-351458	-963301	0.079	Si
173	7.6	5.4	7.6	5.4	-9660	SLD 7	83661	962923	0.078	-203080	SLD 9	-276867	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	51037	SLD 3	157937	962923	0.078	-192991	SLD 13	-221423	-962923	0.078	Si
214	7.6	5.4	7.6	5.4	126348	SLD 3	230329	962923	0.078	-204569	SLD 13	-229791	-962923	0.078	Si
234	7.6	5.4	7.6	5.4	199392	SLD 3	302218	962923	0.078	-220935	SLD 13	-255085	-962923	0.078	Si
244	7.6	5.4	7.6	5.4	235392	SLD 3	338069	962923	0.078	-231240	SLD 13	-270284	-962923	0.078	Si
264	7.6	5.4	7.6	5.4	307275	SLD 3	379740	962923	0.078	-257024	SLD 13	-289891	-962923	0.078	Si
285	7.6	5.4	7.6	5.4	379740	SLD 1	379740	962923	0.078	-289891	SLD 15	-289891	-962923	0.078	Si
305	7.6	5.4	7.6	5.4	447803	SLD 1	415237	962923	0.078	-326515	SLD 15	-307976	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.51	0	4693	SLU 36	4693	10684	68363	0	10684	1	Si
20	0.101	11.59	0	4439	SLU 36	4439	10153	68363	11671	11671	1	Si
41	0.101	7.6	0	4177	SLU 36	4177	8821	68363	11671	11671	1	Si
61	0.101	7.6	0	3920	SLU 36	3920	8821	68363	11671	11671	1	Si
81	0.101	7.6	0	3662	SLU 36	3662	8821	68363	11671	11671	1	Si
92	0.088	7.6	0	3533	SLU 36	3533	8821	68363	10270	10270	1	Si
112	0.088	7.6	0	3276	SLU 36	3276	8821	68363	10270	10270	1	Si
132	0.088	7.6	0	3018	SLU 36	3018	8821	68363	10270	10270	1	Si
153	0.088	7.6	0	2760	SLU 36	2760	8821	68363	10270	10270	1	Si
173	0.088	7.6	0	2503	SLU 36	2503	8821	68363	10270	10270	1	Si
193	0.088	7.6	0	2265	SLU 30	2265	8821	68363	10270	10270	1	Si
214	0.088	7.6	0	2033	SLU 30	2033	8821	68363	10270	10270	1	Si
234	0.086	7.6	0	1801	SLU 30	1801	8821	68363	10004	10004	1	Si
244	0.086	7.6	0	1686	SLU 30	1686	8821	68363	10004	10004	1	Si
264	0.086	7.6	0	1455	SLU 21	1455	8821	68363	10004	10004	1	Si
285	0.086	7.6	0	1241	SLU 21	1241	8821	68363	10004	10004	1	Si
305	0	7.6	0	1035	SLU 21	1035	8821	68363	0	8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.51	0	9358	SLV 1	10932	10684	68363	0	10684	1	Si
0	0	7.6	0	-2754	SLV 15	-4329	-8821	-68363	0	-8821	1	Si
10	0	12.55	0	9271	SLV 1	10845	10425	68363	0	10425	1	Si
10	0	7.6	0	-2841	SLV 15	-4416	-8821	-68363	0	-8821	1	Si
20	0.101	11.59	0	9187	SLV 1	10762	10153	68363	11671	11671	1	Si
20	0.101	7.6	0	-2925	SLV 15	-4499	-8821	-68363	-11671	-11671	1	Si
41	0.101	7.6	0	9011	SLV 1	10585	8821	68363	11671	11671	1	Si
41	0.101	7.6	0	-3101	SLV 15	-4676	-8821	-68363	-11671	-11671	1	Si
61	0.101	7.6	0	8837	SLV 1	10412	8821	68363	11671	11671	1	Si
61	0.101	7.6	0	-3275	SLV 15	-4849	-8821	-68363	-11671	-11671	1	Si
81	0.101	7.6	0	8664	SLV 1	10238	8821	68363	11671	11671	1	Si
81	0.101	7.6	0	-3448	SLV 15	-5023	-8821	-68363	-11671	-11671	1	Si
92	0.088	7.6	0	8577	SLV 1	10152	8821	68363	10270	10270	1	Si
92	0.088	7.6	0	-3535	SLV 15	-5109	-8821	-68363	-10270	-10270	1	Si
112	0.088	7.6	0	8404	SLV 1	9978	8821	68363	10270	10270	1	Si
112	0.088	7.6	0	-3708	SLV 15	-5283	-8821	-68363	-10270	-10270	1	Si
132	0.088	7.6	0	8230	SLV 1	9805	8821	68363	10270	10270	1	Si
132	0.088	7.6	0	-3882	SLV 15	-5456	-8821	-68363	-10270	-10270	1	Si
153	0.088	7.6	0	8057	SLV 1	9631	8821	68363	10270	10270	1	Si
153	0.088	7.6	0	-4055	SLV 15	-5630	-8821	-68363	-10270	-10270	1	Si
173	0.088	7.6	0	7883	SLV 1	9458	8821	68363	10270	10270	1	Si
173	0.088	7.6	0	-4229	SLV 15	-5803	-8821	-68363	-10270	-10270	1	Si
193	0.088	7.6	0	7710	SLV 1	9284	8821	68363	10270	10270	1	Si
193	0.088	7.6	0	-4402	SLV 15	-5977	-8821	-68363	-10270	-10270	1	Si
214	0.088	7.6	0	7536	SLV 1	9111	8821	68363	10270	10270	1	Si
214	0.088	7.6	0	-4576	SLV 15	-6150	-8821	-68363	-10270	-10270	1	Si
234	0.086	7.6	0	7363	SLV 1	8938	8821	68363	10004	10004	1	Si
234	0.086	7.6	0	-4749	SLV 15	-6324	-8821	-68363	-10004	-10004	1	Si
244	0.086	7.6	0	7276	SLV 1	8851	8821	68363	10004	10004	1	Si
244	0.086	7.6	0	-4836	SLV 15	-6410	-8821	-68363	-10004	-10004	1	Si
264	0.086	7.6	0	7103	SLV 1	8677	8821	68363	10004	10004	1	Si
264	0.086	7.6	0	-5009	SLV 15	-6584	-8821	-68363	-10004	-10004	1	Si
285	0.086	7.6	0	6927	SLV 1	8501	8821	68363	10004	10004	1	Si
285	0.086	7.6	0	-5185	SLV 15	-6760	-8821	-68363	-10004	-10004	1	Si
305	0	7.6	0	6756	SLV 1	8330	8821	68363	0	8821	1	Si
305	0	7.6	0	-5356	SLV 15	-6931	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.51	0	5981	SLD 1	5981	10684	68363	0	10684	1	Si
10	0	12.55	0	5894	SLD 1	5894	10425	68363	0	10425	1	Si
20	0.101	11.59	0	5810	SLD 1	5810	10153	68363	11671	11671	1	Si
41	0.101	7.6	0	5634	SLD 1	5634	8821	68363	11671	11671	1	Si
61	0.101	7.6	0	5460	SLD 1	5460	8821	68363	11671	11671	1	Si
81	0.101	7.6	0	5287	SLD 1	5287	8821	68363	11671	11671	1	Si
81	0.101	7.6	0	-71	SLD 15	-71	-8821	-68363	-11671	-11671	1	Si
92	0.088	7.6	0	5200	SLD 1	5200	8821	68363	10270	10270	1	Si
92	0.088	7.6	0	-158	SLD 15	-158	-8821	-68363	-10270	-10270	1	Si
112	0.088	7.6	0	5027	SLD 1	5027	8821	68363	10270	10270	1	Si
112	0.088	7.6	0	-331	SLD 15	-331	-8821	-68363	-10270	-10270	1	Si
132	0.088	7.6	0	4853	SLD 1	4853	8821	68363	10270	10270	1	Si
132	0.088	7.6	0	-505	SLD 15	-505	-8821	-68363	-10270	-10270	1	Si
153	0.088	7.6	0	4680	SLD 1	4680	8821	68363	10270	10270	1	Si
153	0.088	7.6	0	-678	SLD 15	-678	-8821	-68363	-10270	-10270	1	Si
173	0.088	7.6	0	4506	SLD 1	4506	8821	68363	10270	10270	1	Si
173	0.088	7.6	0	-852	SLD 15	-852	-8821	-68363	-10270	-10270	1	Si
193	0.088	7.6	0	4333	SLD 1	4333	8821	68363	10270	10270	1	Si
193	0.088	7.6	0	-1025	SLD 15	-1025	-8821	-68363	-10270	-10270	1	Si
214	0.088	7.6	0	4160	SLD 1	4160	8821	68363	10270	10270	1	Si
214	0.088	7.6	0	-1199	SLD 15	-1199	-8821	-68363	-10270	-10270	1	Si
234	0.086	7.6	0	3986	SLD 1	3986	8821	68363	10004	10004	1	Si
234	0.086	7.6	0	-1372	SLD 15	-1372	-8821	-68363	-10004	-10004	1	Si
244	0.086	7.6	0	3899	SLD 1	3899	8821	68363	10004	10004	1	Si
244	0.086	7.6	0	-1459	SLD 15	-1459	-8821	-68363	-10004	-10004	1	Si
264	0.086	7.6	0	3726	SLD 1	3726	8821	68363	10004	10004	1	Si
264	0.086	7.6	0	-1632	SLD 15	-1632	-8821	-68363	-10004	-10004	1	Si
285	0.086	7.6	0	3550	SLD 1	3550	8821	68363	10004	10004	1	Si
285	0.086	7.6	0	-1809	SLD 15	-1809	-8821	-68363	-10004	-10004	1	Si
305	0	7.6	0	3379	SLD 1	3379	8821	68363	0	8821	1	Si
305	0	7.6	0	-1979	SLD 15	-1979	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-568364	9	-533310	18.7	124.5	604.4	1837	-549604	2	-516601	18.1	93.4	0	+∞	Si
20	-500117	9	-500117	17.5	124.5	566.8	1837	-485290	2	-485290	17	93.4	0	+∞	Si
41	-433507	9	-500117	17.5	124.5	566.8	1837	-422389	2	-485290	17	93.4	0	+∞	Si
61	-371896	9	-461229	16.8	124.5	585.5	1837	-364072	2	-448583	16.3	93.4	0	+∞	Si
81	-314402	3	-397952	15.3	124.5	585.2	1837	-309282	2	-388751	14.9	93.4	0	+∞	Si
92	-287779	3	-367768	14.6	124.5	587.7	1837	-283210	2	-360157	14.3	93.4	0	+∞	Si
112	-237178	3	-310657	8.1	124.5	121.4	1837	-233709	2	-305615	13.7	93.4	0	+∞	Si
132	-190103	3	-258541	6.7	124.5	101.1	1837	-187736	2	-254599	11.4	93.4	0	+∞	Si
153	-146556	3	-209951	5.3	124.5	80.8	1837	-145290	2	-207111	8.9	93.4	0	+∞	Si
173	-106793	4	-164888	4.3	124.5	64.4	1837	-106409	1	-163149	7.3	93.4	0	+∞	Si
193	-72238	1	-123424	3.2	124.5	48.2	1837	-72238	1	-122714	5.5	93.4	0	+∞	Si
214	-41593	1	-86598	2.3	124.5	33.8	1837	-41593	1	-86542	3.9	93.4	0	+∞	Si
234	-14476	1	-54382	1.4	124.5	21.3	1837	-14476	1	-54382	2.4	93.4	0	+∞	Si
244	8081	9	39469	1	124.5	15.4	1837	2076	2	33892	1.5	93.4	0	+∞	Si
244	-2239	1	-39624	1	124.5	15.5	1837	-2239	1	-39624	1.8	93.4	0	+∞	Si
264	30910	9	50832	1.3	124.5	19.9	1837	25125	2	44925	2	93.4	0	+∞	Si
285	50832	3	50832	1.3	124.5	19.9	1837	44925	2	44925	2	93.4	0	+∞	Si
305	67634	3	60079	1.6	124.5	23.5	1837	60644	2	53630	2.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
41	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
61	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.012	1	9999	Si
81	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
92	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.014	1	-0.014	1	9999	Si
112	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.014	1	-0.014	1	9999	Si
132	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.014	1	-0.014	1	9999	Si
153	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.013	1	-0.013	1	9999	Si
173	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.012	1	9999	Si
193	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si
214	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	2	-0.009	2	9999	Si
234	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
244	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	2	-0.006	2	9999	Si
264	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.004	2	-0.004	2	9999	Si
285	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	3131	7631	11671	SLV 1	0.41	936	1.119	-485290	-860403	-1865528	SLV 1	0.57	2433	1.655	Si
41	2955	7631	11671	SLV 1	0.41	985	1.142	-485290	-860403	-1865528	SLV 1	0.57	2433	1.655	Si
61	2781	7631	11671	SLV 1	0.42	1038	1.167	-448583	-788375	-1664535	SLV 1	0.55	2190	1.585	Si
81	2608	7631	11671	SLV 1	0.43	1092	1.192	-388751	-665712	-1437056	SLV 1	0.56	2315	1.622	Si
92	2521	7631	10270	SLV 1	0.37	739	1.015	-360157	-604448	-1323244	SLV 1	0.57	2389	1.643	Si
112	2348	7631	10270	SLV 1	0.38	780	1.038	-305615	-482149	-962923	SLV 1	0.49	1574	1.384	Si
132	2174	7631	10270	SLV 1	0.39	822	1.061	-254599	-399901	-962923	SLV 5	0.57	2474	1.666	Si
153	2001	7631	10270	SLV 1	0.39	866	1.084	-207111	-326229	-963301	SLV 5	0.57	2474	1.666	Si
173	1827	7631	10270	SLV 1	0.4	911	1.106	-56906	-317762	-962923	SLV 13	0.57	2474	1.666	Si
193	1654	7631	10270	SLV 1	0.41	957	1.129	-26555	-417101	-962923	SLV 13	0.57	2474	1.666	Si
214	1480	7631	10270	SLV 1	0.42	1007	1.153	269	520172	962923	SLV 3	0.57	2474	1.666	Si
234	1307	7631	10004	SLV 1	0.41	979	1.139	23566	630051	962923	SLV 3	0.53	2000	1.527	Si
244	1220	7631	10004	SLV 1	0.42	1005	1.152	33892	687744	962923	SLV 3	0.48	1536	1.371	Si
264	1047	7631	10004	SLV 1	0.42	1059	1.177	44925	756986	962923	SLV 1	0.44	1154	1.219	Si
285	871	7631	10004	SLV 1	0.43	1115	1.202	44925	756986	962923	SLV 1	0.44	1154	1.219	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	3131	2679	11671	SLD 1	0.43	1077	2.981	-485290	-380634	-1865528	SLD 1	0.48	1517	3.431	Si
41	2955	2679	11671	SLD 1	0.44	1138	3.05	-485290	-380634	-1865528	SLD 1	0.48	1517	3.431	Si
61	2781	2679	11671	SLD 1	0.44	1199	3.116	-448583	-348769	-1664535	SLD 1	0.46	1367	3.288	Si
81	2608	2679	11671	SLD 1	0.45	1262	3.182	-388751	-294503	-1437056	SLD 1	0.47	1444	3.362	Si
92	2521	2679	10270	SLD 1	0.39	841	2.694	-360157	-267400	-1323244	SLD 1	0.48	1489	3.405	Si
112	2348	2679	10270	SLD 1	0.4	888	2.755	-305615	-213295	-962923	SLD 1	0.41	983	2.872	Si
132	2174	2679	10270	SLD 1	0.41	937	2.816	-254599	-176951	-962923	SLD 5	0.53	1977	3.825	Si
153	2001	2679	10270	SLD 1	0.41	987	2.877	-207111	-144348	-963301	SLD 5	0.6	2474	4.193	Si
173	1827	2679	10270	SLD 1	0.42	1044	2.944	-56906	-140567	-962923	SLD 13	0.6	2474	4.193	Si
193	1654	2679	10270	SLD 1	0.43	1104	3.012	-26555	-184492	-962923	SLD 13	0.6	2474	4.193	Si
214	1480	2679	10270	SLD 1	0.44	1164	3.078	269	230060	962923	SLD 3	0.55	2225	4.014	Si
234	1307	2679	10004	SLD 1	0.43	1131	3.042	23566	278652	962923	SLD 3	0.45	1250	3.169	Si
244	1220	2679	10004	SLD 1	0.44	1161	3.075	33892	304177	962923	SLD 3	0.41	960	2.844	Si
264	1047	2679	10004	SLD 1	0.45	1224	3.142	44925	334815	962923	SLD 1	0.37	738	2.553	Si
285	871	2679	10004	SLD 1	0.46	1288	3.208	44925	334815	962923	SLD 1	0.37	738	2.553	Si

Campata 11 tra i fili 12 - 13, sezione R 40x70, asta 1233

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-107830	SLU 24	-90348	-962923	0.078	Si
17	7.6	5.4	7.6	5.4						-79622	SLU 26	-79374	-962923	0.078	Si
20	7.6	5.4	7.6	5.4						-75490	SLU 26	-75490	-962923	0.078	Si
34	7.6	5.4	7.6	5.4	-19206	SLU 11	6669	962923	0.078	-55653	SLU 22	-75490	-962923	0.078	Si
51	7.6	5.4	7.6	5.4	-2928	SLU 11	18308	962923	0.078	-35959	SLU 22	-71946	-962923	0.078	Si
69	7.6	5.4	7.6	5.4	10610	SLU 11	28685	962923	0.078	-19307	SLU 22	-49382	-962923	0.078	Si
77	7.6	5.4	7.6	5.4	16352	SLU 11	33507	962923	0.078	-12123	SLU 22	-39621	-962923	0.078	Si
94	7.6	5.4	7.6	5.4	26694	SLU 29	40632	962923	0.078	-948	SLU 4	-22381	-962923	0.078	Si
112	7.6	5.4	7.6	5.4	36148	SLU 29	44399	962923	0.078	5334	SLU 4	-8183	-962923	0.078	Si
129	7.6	5.4	7.6	5.4	42244	SLU 29	46527	962923	0.078						Si
146	7.6	5.4	7.6	5.4	45336	SLU 20	46717	962923	0.078						Si
163	7.6	5.4	7.6	5.4	46717	SLU 20	46717	962923	0.078	6355	SLU 17	-8231	-962923	0.078	Si
180	7.6	5.4	7.6	5.4	45056	SLU 20	46717	962923	0.078	-1124	SLU 17	-20985	-962923	0.078	Si
197	11.43	5.4	7.6	5.4	40352	SLU 20	46441	963379	0.08	-11718	SLU 17	-36855	-1417280	0.086	Si
206	12.24	5.4	7.6	5.4	36859	SLU 20	45524	963446	0.08	-18183	SLU 17	-45957	-1513348	0.088	Si
223	13.85	5.4	7.6	5.4	27592	SLU 20	41409	963557	0.08	-33450	SLU 17	-48670	-1705366	0.092	Si
237	15.21	5.4	7.6	5.4	17439	SLU 20	35655	963633	0.08	-48670	SLU 17	-48670	-1865528	0.096	Si
240	15.21	5.4	7.6	5.4	15282	SLU 20	15282	963633	0.08	-51832	SLU 17	-51649	-1865528	0.096	Si
257	15.21	5.4	7.6	5.4						-73329	SLU 17	-59985	-1865528	0.096	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	191315	SLV 15	147765	962923	0.078	-336231	SLV 1	-276985	-962923	0.078	Si
17	7.6	5.4	7.6	5.4	137356	SLV 13	136339	962923	0.078	-239418	SLV 3	-238009	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	128470	SLV 13	128470	962923	0.078	-224081	SLV 3	-224081	-962923	0.078	Si
34	7.6	5.4	7.6	5.4	84426	SLV 13	128470	962923	0.078	-148660	SLV 3	-224081	-962923	0.078	Si
51	7.6	5.4	7.6	5.4	48638	SLV 13	142739	962923	0.078	-80073	SLV 3	-210928	-962923	0.078	Si
69	7.6	5.4	7.6	5.4	89697	SLV 1	223632	962923	0.078	-93360	SLV 15	-191880	-962923	0.078	Si
77	7.6	5.4	7.6	5.4	127312	SLV 1	264429	962923	0.078	-118974	SLV 15	-224933	-962923	0.078	Si
94	7.6	5.4	7.6	5.4	207839	SLV 1	345461	962923	0.078	-179270	SLV 15	-294248	-962923	0.078	Si
112	7.6	5.4	7.6	5.4	289414	SLV 1	425067	962923	0.078	-245642	SLV 15	-367164	-962923	0.078	Si
129	7.6	5.4	7.6	5.4	370095	SLV 1	502804	962923	0.078	-316147	SLV 15	-443240	-962923	0.078	Si
146	7.6	5.4	7.6	5.4	449173	SLV 1	578432	962923	0.078	-390077	SLV 15	-522234	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	526289	SLV 1	651811	962923	0.078	-467073	SLV 15	-604006	-962923	0.078	Si
180	7.6	5.4	7.6	5.4	601242	SLV 1	722855	962923	0.078	-546934	SLV 15	-688472	-962923	0.078	Si
197	11.43	5.4	7.6	5.4	673914	SLV 1	791513	963379	0.08	-629541	SLV 15	-775578	-1417280	0.086	Si
206	12.24	5.4	7.6	5.4	709371	SLV 1	824935	963446	0.08	-671851	SLV 15	-820110	-1513348	0.088	Si
223	13.85	5.4	7.6	5.4	778494	SLV 1	834292	963557	0.08	-758450	SLV 15	-832830	-1705366	0.092	Si
237	15.21	5.4	7.6	5.4	834292	SLV 1	834292	963633	0.08	-832830	SLV 15	-832830	-1865528	0.096	Si
240	15.21	5.4	7.6	5.4	845202	SLV 1	844457	963633	0.08	-847662	SLV 15	-846704	-1865528	0.096	Si
257	15.21	5.4	7.6	5.4	909468	SLV 1	872902	963633	0.08	-939459	SLV 15	-885531	-1865528	0.096	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	44098	SLD 15	24962	962923	0.078	-189014	SLD 1	-155457	-962923	0.078	Si
17	7.6	5.4	7.6	5.4	32161	SLD 13	31816	962923	0.078	-134223	SLD 3	-133487	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	30025	SLD 13	30025	962923	0.078	-125636	SLD 3	-125636	-962923	0.078	Si
34	7.6	5.4	7.6	5.4	19270	SLD 13	30025	962923	0.078	-83504	SLD 3	-125636	-962923	0.078	Si
51	7.6	5.4	7.6	5.4	12564	SLD 13	66544	962923	0.078	-43999	SLD 3	-118272	-962923	0.078	Si
69	7.6	5.4	7.6	5.4	38549	SLD 1	107720	962923	0.078	-42212	SLD 15	-75967	-962923	0.078	Si
77	7.6	5.4	7.6	5.4	58555	SLD 1	127936	962923	0.078	-50217	SLD 15	-88440	-962923	0.078	Si
94	7.6	5.4	7.6	5.4	99842	SLD 1	167067	962923	0.078	-71273	SLD 15	-115854	-962923	0.078	Si
112	7.6	5.4	7.6	5.4	140187	SLD 1	204164	962923	0.078	-96415	SLD 15	-146262	-962923	0.078	Si
129	7.6	5.4	7.6	5.4	178732	SLD 1	239030	962923	0.078	-124785	SLD 15	-179466	-962923	0.078	Si
146	7.6	5.4	7.6	5.4	215165	SLD 1	271559	962923	0.078	-156070	SLD 15	-215360	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	249325	SLD 1	301688	962923	0.078	-190110	SLD 15	-253883	-962923	0.078	Si
180	7.6	5.4	7.6	5.4	281125	SLD 1	329382	962923	0.078	-226817	SLD 15	-294998	-962923	0.078	Si
197	11.43	5.4	7.6	5.4	310512	SLD 1	354617	963379	0.08	-266139	SLD 15	-338682	-1417280	0.086	Si
206	12.24	5.4	7.6	5.4	324290	SLD 1	366308	963446	0.08	-286770	SLD 15	-361483	-1513348	0.088	Si
223	13.85	5.4	7.6	5.4	350003	SLD 1	369510	963557	0.08	-329959	SLD 15	-368048	-1705366	0.092	Si
237	15.21	5.4	7.6	5.4	369510	SLD 1	369510	963633	0.08	-368048	SLD 15	-368048	-1865528	0.096	Si
240	15.21	5.4	7.6	5.4	373243	SLD 1	372972	963633	0.08	-375703	SLD 15	-375220	-1865528	0.096	Si
257	15.21	5.4	7.6	5.4	394002	SLD 1	382662	963633	0.08	-423994	SLD 15	-395291	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1807	SLU 33	1807	8821	68363	0	8821	1	Si
17	0	7.6	0	1589	SLU 33	1589	8821	68363	0	8821	1	Si
20	0.06	7.6	0	1553	SLU 33	1553	8821	68363	6976	8821	1	Si
34	0.06	7.6	0	1372	SLU 33	1372	8821	68363	6976	8821	1	Si
51	0.06	7.6	0	1160	SLU 24	1160	8821	68363	6976	8821	1	Si
69	0.06	7.6	0	982	SLU 19	982	8821	68363	6976	8821	1	Si
77	0.06	7.6	0	893	SLU 19	893	8821	68363	6976	8821	1	Si
94	0.06	7.6	0	716	SLU 19	716	8821	68363	6976	8821	1	Si
112	0.06	7.6	0	539	SLU 19	539	8821	68363	6976	8821	1	Si
129	0.06	7.6	0	362	SLU 19	362	8821	68363	6976	8821	1	Si
146	0.06	7.6	0	184	SLU 19	184	8821	68363	6976	8821	1	Si
146	0.06	7.6	0	-174	SLU 18	-174	-8821	-68363	-6976	-8821	1	Si
163	0.06	7.6	0	7	SLU 19	7	8821	68363	6976	8821	1	Si
163	0.06	7.6	0	-356	SLU 18	-356	-8821	-68363	-6976	-8821	1	Si
180	0.06	7.6	0	-538	SLU 36	-538	-8821	-68363	-6976	-8821	1	Si
197	0.06	7.6	0	-756	SLU 36	-756	-8821	-68363	-6976	-8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
206	0.06	7.6	0	-865	SLU 36	-865	-8821	-68363	-6976	-8821	1	Si
223	0.06	7.6	0	-1082	SLU 36	-1082	-8821	-68363	-6976	-8821	1	Si
237	0.06	7.6	0	-1264	SLU 36	-1264	-8821	-68363	-6976	-8821	1	Si
240	0	7.6	0	-1300	SLU 36	-1300	-8821	-68363	0	-8821	1	Si
257	0	10.62	0	-1517	SLU 36	-1517	-9859	-68363	0	-9859	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5887	SLV 1	7074	8821	68363	0	8821	1	Si
0	0	7.6	0	-3244	SLV 15	-4431	-8821	-68363	0	-8821	1	Si
17	0	7.6	0	5741	SLV 1	6928	8821	68363	0	8821	1	Si
17	0	7.6	0	-3391	SLV 15	-4578	-8821	-68363	0	-8821	1	Si
20	0.06	7.6	0	5716	SLV 1	6903	8821	68363	6976	8821	1	Si
20	0.06	7.6	0	-3415	SLV 15	-4602	-8821	-68363	-6976	-8821	1	Si
34	0.06	7.6	0	5594	SLV 1	6781	8821	68363	6976	8821	1	Si
34	0.06	7.6	0	-3537	SLV 15	-4724	-8821	-68363	-6976	-8821	1	Si
51	0.06	7.6	0	5448	SLV 1	6635	8821	68363	6976	8821	1	Si
51	0.06	7.6	0	-3683	SLV 15	-4870	-8821	-68363	-6976	-8821	1	Si
69	0.06	7.6	0	5301	SLV 1	6488	8821	68363	6976	8821	1	Si
69	0.06	7.6	0	-3830	SLV 15	-5017	-8821	-68363	-6976	-8821	1	Si
77	0.06	7.6	0	5228	SLV 1	6415	8821	68363	6976	8821	1	Si
77	0.06	7.6	0	-3903	SLV 15	-5090	-8821	-68363	-6976	-8821	1	Si
94	0.06	7.6	0	5082	SLV 1	6269	8821	68363	6976	8821	1	Si
94	0.06	7.6	0	-4050	SLV 15	-5237	-8821	-68363	-6976	-8821	1	Si
112	0.06	7.6	0	4935	SLV 1	6122	8821	68363	6976	8821	1	Si
112	0.06	7.6	0	-4196	SLV 15	-5383	-8821	-68363	-6976	-8821	1	Si
129	0.06	7.6	0	4789	SLV 1	5976	8821	68363	6976	8821	1	Si
129	0.06	7.6	0	-4342	SLV 15	-5529	-8821	-68363	-6976	-8821	1	Si
146	0.06	7.6	0	4642	SLV 1	5829	8821	68363	6976	8821	1	Si
146	0.06	7.6	0	-4489	SLV 15	-5676	-8821	-68363	-6976	-8821	1	Si
163	0.06	7.6	0	4496	SLV 1	5683	8821	68363	6976	8821	1	Si
163	0.06	7.6	0	-4635	SLV 15	-5822	-8821	-68363	-6976	-8821	1	Si
180	0.06	7.6	0	4349	SLV 1	5536	8821	68363	6976	8821	1	Si
180	0.06	7.6	0	-4782	SLV 15	-5969	-8821	-68363	-6976	-8821	1	Si
197	0.06	7.6	0	4203	SLV 1	5390	8821	68363	6976	8821	1	Si
197	0.06	7.6	0	-4928	SLV 15	-6115	-8821	-68363	-6976	-8821	1	Si
206	0.06	7.6	0	4130	SLV 1	5317	8821	68363	6976	8821	1	Si
206	0.06	7.6	0	-5001	SLV 15	-6188	-8821	-68363	-6976	-8821	1	Si
223	0.06	7.6	0	3983	SLV 1	5170	8821	68363	6976	8821	1	Si
223	0.06	7.6	0	-5148	SLV 15	-6335	-8821	-68363	-6976	-8821	1	Si
237	0.06	7.6	0	3861	SLV 1	5048	8821	68363	6976	8821	1	Si
237	0.06	7.6	0	-5270	SLV 15	-6457	-8821	-68363	-6976	-8821	1	Si
240	0	7.6	0	3837	SLV 1	5024	8821	68363	0	8821	1	Si
240	0	7.6	0	-5294	SLV 15	-6481	-8821	-68363	0	-8821	1	Si
257	0	7.6	0	3690	SLV 1	4877	8821	68363	0	8821	1	Si
257	0	10.62	0	-5441	SLV 15	-6628	-9859	-68363	0	-9859	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3341	SLD 1	3341	8821	68363	0	8821	1	Si
0	0	7.6	0	-698	SLD 15	-698	-8821	-68363	0	-8821	1	Si
17	0	7.6	0	3195	SLD 1	3195	8821	68363	0	8821	1	Si
17	0	7.6	0	-845	SLD 15	-845	-8821	-68363	0	-8821	1	Si
20	0.06	7.6	0	3171	SLD 1	3171	8821	68363	6976	8821	1	Si
20	0.06	7.6	0	-869	SLD 15	-869	-8821	-68363	-6976	-8821	1	Si
34	0.06	7.6	0	3048	SLD 1	3048	8821	68363	6976	8821	1	Si
34	0.06	7.6	0	-991	SLD 15	-991	-8821	-68363	-6976	-8821	1	Si
51	0.06	7.6	0	2902	SLD 1	2902	8821	68363	6976	8821	1	Si
51	0.06	7.6	0	-1138	SLD 15	-1138	-8821	-68363	-6976	-8821	1	Si
69	0.06	7.6	0	2755	SLD 1	2755	8821	68363	6976	8821	1	Si
69	0.06	7.6	0	-1284	SLD 15	-1284	-8821	-68363	-6976	-8821	1	Si
77	0.06	7.6	0	2682	SLD 1	2682	8821	68363	6976	8821	1	Si
77	0.06	7.6	0	-1357	SLD 15	-1357	-8821	-68363	-6976	-8821	1	Si
94	0.06	7.6	0	2536	SLD 1	2536	8821	68363	6976	8821	1	Si
94	0.06	7.6	0	-1504	SLD 15	-1504	-8821	-68363	-6976	-8821	1	Si
112	0.06	7.6	0	2389	SLD 1	2389	8821	68363	6976	8821	1	Si
112	0.06	7.6	0	-1650	SLD 15	-1650	-8821	-68363	-6976	-8821	1	Si
129	0.06	7.6	0	2243	SLD 1	2243	8821	68363	6976	8821	1	Si
129	0.06	7.6	0	-1797	SLD 15	-1797	-8821	-68363	-6976	-8821	1	Si
146	0.06	7.6	0	2096	SLD 1	2096	8821	68363	6976	8821	1	Si
146	0.06	7.6	0	-1943	SLD 15	-1943	-8821	-68363	-6976	-8821	1	Si
163	0.06	7.6	0	1950	SLD 1	1950	8821	68363	6976	8821	1	Si
163	0.06	7.6	0	-2089	SLD 15	-2089	-8821	-68363	-6976	-8821	1	Si
180	0.06	7.6	0	1804	SLD 1	1804	8821	68363	6976	8821	1	Si
180	0.06	7.6	0	-2236	SLD 15	-2236	-8821	-68363	-6976	-8821	1	Si
197	0.06	7.6	0	1657	SLD 1	1657	8821	68363	6976	8821	1	Si
197	0.06	7.6	0	-2382	SLD 15	-2382	-8821	-68363	-6976	-8821	1	Si
206	0.06	7.6	0	1584	SLD 1	1584	8821	68363	6976	8821	1	Si
206	0.06	7.6	0	-2456	SLD 15	-2456	-8821	-68363	-6976	-8821	1	Si
223	0.06	7.6	0	1438	SLD 1	1438	8821	68363	6976	8821	1	Si
223	0.06	7.6	0	-2602	SLD 15	-2602	-8821	-68363	-6976	-8821	1	Si
237	0.06	7.6	0	1315	SLD 1	1315	8821	68363	6976	8821	1	Si
237	0.06	7.6	0	-2724	SLD 15	-2724	-8821	-68363	-6976	-8821	1	Si
240	0	7.6	0	1291	SLD 1	1291	8821	68363	0	8821	1	Si
240	0	7.6	0	-2748	SLD 15	-2748	-8821	-68363	0	-8821	1	Si
257	0	7.6	0	1145	SLD 1	1145	8821	68363	0	8821	1	Si
257	0	10.62	0	-2895	SLD 15	-2895	-9859	-68363	0	-9859	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-80545	6	-66901	1.7	124.5	26.1	1837	-78915	1	-65708	2.9	93.4	0	+∞	Si
17	-58544	8	-58352	1.5	124.5	22.8	1837	-57382	1	-57185	2.6	93.4	0	+∞	Si
20	-55322	8	-55322	1.4	124.5	21.6	1837	-54139	1	-54139	2.4	93.4	0	+∞	Si
34	-39854	4	-55322	1.4	124.5	21.6	1837	-38362	1	-54139	2.4	93.4	0	+∞	Si
51	-24500	4	-52558	1.4	124.5	20.5	1837	-21857	1	-51358	2.3	93.4	0	+∞	Si
69	2191	2	19780	0.5	124.5	7.7	1837								Si
69	-11660	4	-34954	0.9	124.5	13.7	1837	-7865	1	-33109	1.5	93.4	0	+∞	Si
77	8157	2	23616	0.6	124.5	9.2	1837	4169	2	19748	0.9	93.4	0	+∞	Si
77	-6183	4	-27348	0.7	124.5	10.7	1837	-1812	1	-24928	1.1	93.4	0	+∞	Si
94	18202	2	29404	0.8	124.5	11.5	1837	14284	2	25607	1.1	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
112	25733	2	32679	0.9	124.5	12.8	1837	21886	2	28951	1.3	93.4	0	+∞	Si
129	30750	2	33563	0.9	124.5	13.1	1837	26974	2	29892	1.3	93.4	0	+∞	Si
146	33254	2	33563	0.9	124.5	13.1	1837	29548	2	29892	1.3	93.4	0	+∞	Si
163	33243	2	33563	0.9	124.5	13.1	1837	29608	2	29892	1.3	93.4	0	+∞	Si
180	30719	2	33563	0.9	124.5	13.1	1837	27154	2	29892	1.3	93.4	0	+∞	Si
197	25681	2	32662	0.8	124.5	12.5	1837	22187	2	29048	1.2	93.4	0	+∞	Si
206	22220	2	31329	0.8	124.5	11.9	1837	18760	2	27750	1.2	93.4	0	+∞	Si
206	-3436	8	-24744	0.9	124.5	34.5	1837								Si
223	13411	2	26777	0.6	124.5	10.1	1837	10022	2	23269	1	93.4	0	+∞	Si
223	-15012	8	-26872	1	124.5	33.3	1837								Si
237	4061	2	21062	0.5	124.5	7.9	1837	731	2	17612	0.7	93.4	0	+∞	Si
237	-26872	8	-26872	0.9	124.5	30.5	1837	-4265	1	-4265	0.1	93.4	0	+∞	Si
240	2089	2	2089	0	124.5	0.8	1837								Si
240	-29353	8	-29213	1	124.5	33.1	1837	-6208	1	-6103	0.2	93.4	0	+∞	Si
257	-46458	8	-35765	1.3	124.5	40.5	1837	-19869	1	-11248	0.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
34	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
51	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
69	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
77	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
94	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
112	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0	2	9999	Si
129	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si
146	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si
163	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si
180	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si
197	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
206	0	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
223	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
237	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
240	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1151	5753	8821	SLV 1	0.48	1483	1.351	-47805	-176276	-962923	SLV 3	0.57	2474	1.666	Si
34	1029	5753	8821	SLV 1	0.49	1547	1.375	-47805	-176276	-962923	SLV 3	0.57	2474	1.666	Si
51	882	5753	8821	SLV 1	0.49	1627	1.403	-45039	-165889	-962923	SLV 3	0.57	2474	1.666	Si
69	736	5753	8821	SLV 1	0.5	1708	1.432	15876	207756	962923	SLV 1	0.57	2474	1.666	Si
77	662	5753	8821	SLV 1	0.51	1749	1.446	19748	244681	962923	SLV 1	0.57	2474	1.666	Si
94	516	5753	8821	SLV 1	0.52	1835	1.474	25607	319854	962923	SLV 1	0.57	2474	1.666	Si
112	370	5753	8821	SLV 1	0.52	1923	1.503	28951	396116	962923	SLV 1	0.57	2474	1.666	Si
129	223	5753	8821	SLV 1	0.53	2013	1.531	29782	473022	962923	SLV 1	0.57	2474	1.666	Si
146	77	5753	8821	SLV 1	0.54	2106	1.56	28099	550333	962923	SLV 1	0.57	2474	1.666	Si
163	-70	-5753	-8821	SLV 15	0.54	2111	1.561	23902	627908	962923	SLV 1	0.53	2017	1.533	Si
180	-216	-5753	-8821	SLV 15	0.53	2018	1.533	17192	705664	962923	SLV 1	0.48	1504	1.359	Si
197	-363	-5753	-8821	SLV 15	0.52	1927	1.504	7967	783546	963379	SLV 1	0.44	1171	1.226	Si
206	-436	-5753	-8821	SLV 15	0.52	1883	1.49	2413	822523	963446	SLV 1	0.42	1046	1.171	Si
223	-582	-5753	-8821	SLV 15	0.51	1796	1.461	731	833561	963557	SLV 1	0.42	1015	1.156	Si
237	-705	-5753	-8821	SLV 15	0.5	1726	1.438	731	833561	963633	SLV 1	0.42	1015	1.156	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1151	2020	8821	SLD 1	0.5	1717	3.61	-47805	-77831	-962923	SLD 3	0.6	2474	4.193	Si
34	1029	2020	8821	SLD 1	0.51	1791	3.673	-47805	-77831	-962923	SLD 3	0.6	2474	4.193	Si
51	882	2020	8821	SLD 1	0.52	1882	3.748	-45039	-73233	-962923	SLD 3	0.6	2474	4.193	Si
69	736	2020	8821	SLD 1	0.53	1977	3.825	15876	91844	962923	SLD 1	0.6	2474	4.193	Si
77	662	2020	8821	SLD 1	0.53	2024	3.862	19748	108188	962923	SLD 1	0.6	2474	4.193	Si
94	516	2020	8821	SLD 1	0.54	2124	3.939	25607	141461	962923	SLD 1	0.6	2474	4.193	Si
112	370	2020	8821	SLD 1	0.55	2225	4.014	28951	175213	962923	SLD 1	0.6	2474	4.193	Si
129	223	2020	8821	SLD 1	0.56	2330	4.091	29782	209248	962923	SLD 1	0.59	2474	4.193	Si
146	77	2020	8821	SLD 1	0.57	2437	4.167	28099	243459	962923	SLD 1	0.51	1768	3.653	Si
163	-70	-2020	-8821	SLD 15	0.57	2443	4.171	23902	277786	962923	SLD 1	0.45	1259	3.179	Si
180	-216	-2020	-8821	SLD 15	0.56	2335	4.095	17192	312190	962923	SLD 1	0.41	942	2.822	Si
197	-363	-2020	-8821	SLD 15	0.55	2230	4.018	7967	346650	963379	SLD 1	0.37	748	2.568	Si
206	-436	-2020	-8821	SLD 15	0.55	2179	3.98	2413	363895	963446	SLD 1	0.36	674	2.46	Si
223	-582	-2020	-8821	SLD 15	0.54	2079	3.904	731	368779	963557	SLD 1	0.35	656	2.433	Si
237	-705	-2020	-8821	SLD 15	0.53	1996	3.84	731	368779	963633	SLD 1	0.35	656	2.433	Si

Campata 12 tra i fili 13 - 14, sezione R 40x70, asta 1234

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-202046	SLU 35	-151929	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	-33421	SLU 2	52921	963633	0.08	-104345	SLU 35	-104345	-1865528	0.096	Si
40	13.32	5.4	7.6	5.4	21581	SLU 20	123489	963522	0.08	-13251	SLU 17	-104345	-1642002	0.091	Si
60	11.43	5.4	7.6	5.4	91170	SLU 29	201933	963380	0.08	51360	SLU 4	-53147	-1418206	0.086	Si
80	7.6	5.4	7.6	5.4	166914	SLU 36	275588	962923	0.078						Si
90	7.6	5.4	7.6	5.4	205524	SLU 36	310515	962923	0.078						Si
110	7.6	5.4	7.6	5.4	278943	SLU 36	376568	962923	0.078						Si
130	7.6	5.4	7.6	5.4	347295	SLU 36	437552	962923	0.078						Si
150	7.6	5.4	7.6	5.4	410577	SLU 36	493468	962923	0.078						Si
170	7.6	5.4	7.6	5.4	468792	SLU 36	544532	962923	0.078						Si
190	7.6	5.4	7.6	5.4	521938	SLU 36	591787	962923	0.078						Si
210	7.6	5.4	7.6	5.4	571038	SLU 35	633973	962923	0.078						Si
220	7.6	5.4	7.6	5.4	593914	SLU 35	653166	962923	0.078						Si
230	7.6	5.4	9.33	5.4	615523	SLU 35	671091	1167756	0.082						Si
240	7.6	5.4	10	5.4	635865	SLU 35	687750	1247752	0.083						Si
260	7.6	5.4	11.35	5.4	672748	SLU 35	693107	1407703	0.086						Si
273	7.6	5.4	11.4	5.4	693107	SLU 35	693107	1414576	0.086						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
280	7.6	5.4	11.4	5.4	704562	SLU 35	703205	1414576	0.086						Si
300	7.6	5.4	11.4	5.4	731324	SLU 35	714543	1414576	0.086						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	28295	SLV 13	28295	963633	0.08	-243774	SLV 3	-131229	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	107057	SLV 1	224490	963633	0.08	-201597	SLV 15	-201597	-1865528	0.096	Si
40	13.32	5.4	7.6	5.4	187801	SLV 1	304762	963522	0.08	-168226	SLV 15	-201597	-1642002	0.091	Si
60	11.43	5.4	7.6	5.4	268518	SLV 1	383505	963380	0.08	-141652	SLV 15	-182497	-1418206	0.086	Si
80	7.6	5.4	7.6	5.4	348042	SLV 1	460222	962923	0.078	-120710	SLV 15	-153013	-962923	0.078	Si
90	7.6	5.4	7.6	5.4	387142	SLV 1	497725	962923	0.078	-112135	SLV 15	-140618	-962923	0.078	Si
110	7.6	5.4	7.6	5.4	463759	SLV 1	570890	962923	0.078	-98523	SLV 15	-119912	-962923	0.078	Si
130	7.6	5.4	7.6	5.4	538048	SLV 1	641459	962923	0.078	-89405	SLV 15	-104173	-962923	0.078	Si
150	7.6	5.4	7.6	5.4	609815	SLV 1	709281	962923	0.078	-84591	SLV 15	-93042	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	678903	SLV 1	774222	962923	0.078	-83921	SLV 15	-90087	-962923	0.078	Si
190	7.6	5.4	7.6	5.4	745167	SLV 1	836166	962923	0.078	-87252	SLV 15	-99017	-962923	0.078	Si
210	7.6	5.4	7.6	5.4	808484	SLV 1	895021	962923	0.078	-94460	SLV 15	-111681	-962923	0.078	Si
220	7.6	5.4	7.6	5.4	839005	SLV 1	923267	962923	0.078	-99484	SLV 15	-119391	-962923	0.078	Si
230	7.6	5.4	9.33	5.4	868751	SLV 1	950715	1167756	0.082	-105441	SLV 15	-128009	-963167	0.079	Si
240	7.6	5.4	10	5.4	897714	SLV 1	977359	1247752	0.083	-112321	SLV 15	-137529	-963243	0.079	Si
260	7.6	5.4	11.35	5.4	953260	SLV 1	986269	1407703	0.086	-128818	SLV 15	-141047	-963373	0.08	Si
273	7.6	5.4	11.4	5.4	986269	SLV 1	986269	1414576	0.086	-141047	SLV 15	-141047	-963377	0.08	Si
280	7.6	5.4	11.4	5.4	1005589	SLV 1	1003434	1414576	0.086	-148922	SLV 15	-148052	-963377	0.08	Si
300	7.6	5.4	11.4	5.4	1054667	SLV 1	1022707	1414576	0.086	-172586	SLV 15	-155917	-963377	0.08	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-167644	SLD 3	-114488	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	20828	SLD 1	118467	963633	0.08	-115368	SLD 15	-115368	-1865528	0.096	Si
40	13.32	5.4	7.6	5.4	88433	SLD 1	183066	963522	0.08	-68858	SLD 15	-115368	-1642002	0.091	Si
60	11.43	5.4	7.6	5.4	154099	SLD 1	245074	963380	0.08	-27234	SLD 15	-89356	-1418206	0.086	Si
80	7.6	5.4	7.6	5.4	217320	SLD 1	304272	962923	0.078	10012	SLD 15	-45591	-962923	0.078	Si
90	7.6	5.4	7.6	5.4	247920	SLD 1	332777	962923	0.078	27087	SLD 15	-25453	-962923	0.078	Si
110	7.6	5.4	7.6	5.4	306985	SLD 1	387538	962923	0.078						Si
130	7.6	5.4	7.6	5.4	363111	SLD 1	439241	962923	0.078						Si
150	7.6	5.4	7.6	5.4	416210	SLD 1	487818	962923	0.078						Si
170	7.6	5.4	7.6	5.4	466213	SLD 1	533212	962923	0.078						Si
190	7.6	5.4	7.6	5.4	513058	SLD 1	575373	962923	0.078						Si
210	7.6	5.4	7.6	5.4	556691	SLD 1	614260	962923	0.078						Si
220	7.6	5.4	7.6	5.4	577288	SLD 1	632467	962923	0.078						Si
230	7.6	5.4	9.33	5.4	597067	SLD 1	649844	1167756	0.082						Si
240	7.6	5.4	10	5.4	616023	SLD 1	666389	1247752	0.083						Si
260	7.6	5.4	11.35	5.4	651453	SLD 1	671829	1407703	0.086						Si
273	7.6	5.4	11.4	5.4	671829	SLD 1	671829	1414576	0.086						Si
280	7.6	5.4	11.4	5.4	683555	SLD 1	682243	1414576	0.086						Si
300	7.6	5.4	11.4	5.4	712318	SLD 1	693935	1414576	0.086						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.43	0	5012	SLU 35	5012	10106	68363	0	10106	1	Si
10	0	7.6	0	4885	SLU 35	4885	8821	68363	0	8821	1	Si
20	0.064	7.6	0	4758	SLU 35	4758	8821	68363	7395	8821	1	Si
40	0.064	7.6	0	4505	SLU 35	4505	8821	68363	7395	8821	1	Si
60	0.064	7.6	0	4252	SLU 35	4252	8821	68363	7395	8821	1	Si
80	0.064	7.6	0	3998	SLU 35	3998	8821	68363	7395	8821	1	Si
90	0.064	7.6	0	3871	SLU 35	3871	8821	68363	7395	8821	1	Si
110	0.064	7.6	0	3618	SLU 35	3618	8821	68363	7395	8821	1	Si
130	0.064	7.6	0	3365	SLU 35	3365	8821	68363	7395	8821	1	Si
150	0.064	7.6	0	3111	SLU 35	3111	8821	68363	7395	8821	1	Si
170	0.064	7.6	0	2858	SLU 35	2858	8821	68363	7395	8821	1	Si
190	0.064	7.6	0	2604	SLU 35	2604	8821	68363	7395	8821	1	Si
210	0.064	7.6	0	2351	SLU 35	2351	8821	68363	7395	8821	1	Si
230	0.064	7.6	0	2098	SLU 35	2098	8821	68363	7395	8821	1	Si
240	0.064	7.6	0	1971	SLU 35	1971	8821	68363	7395	8821	1	Si
260	0.064	7.6	0	1717	SLU 35	1717	8821	68363	7395	8821	1	Si
273	0.064	7.6	0	1559	SLU 35	1559	8821	68363	7395	8821	1	Si
280	0	7.6	0	1467	SLU 31	1467	8821	68363	0	8821	1	Si
300	0	10	0	1246	SLU 31	1246	9664	68363	0	9664	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.43	0	4975	SLV 1	5460	10106	68363	0	10106	1	Si
10	0	7.6	0	4889	SLV 1	5374	8821	68363	0	8821	1	Si
20	0.064	7.6	0	4804	SLV 1	5289	8821	68363	7395	8821	1	Si
40	0.064	7.6	0	4633	SLV 1	5118	8821	68363	7395	8821	1	Si
60	0.064	7.6	0	4463	SLV 1	4948	8821	68363	7395	8821	1	Si
80	0.064	7.6	0	4292	SLV 1	4777	8821	68363	7395	8821	1	Si
90	0.064	7.6	0	4207	SLV 1	4692	8821	68363	7395	8821	1	Si
90	0.064	7.6	0	475	SLV 15	-10	-8821	-68363	-7395	-8821	1	Si
110	0.064	7.6	0	4036	SLV 1	4521	8821	68363	7395	8821	1	Si
110	0.064	7.6	0	305	SLV 15	-180	-8821	-68363	-7395	-8821	1	Si
130	0.064	7.6	0	3866	SLV 1	4351	8821	68363	7395	8821	1	Si
130	0.064	7.6	0	134	SLV 15	-351	-8821	-68363	-7395	-8821	1	Si
150	0.064	7.6	0	3695	SLV 1	4180	8821	68363	7395	8821	1	Si
150	0.064	7.6	0	-37	SLV 15	-522	-8821	-68363	-7395	-8821	1	Si
170	0.064	7.6	0	3524	SLV 1	4009	8821	68363	7395	8821	1	Si
170	0.064	7.6	0	-207	SLV 15	-692	-8821	-68363	-7395	-8821	1	Si
190	0.064	7.6	0	3354	SLV 1	3839	8821	68363	7395	8821	1	Si
190	0.064	7.6	0	-378	SLV 15	-863	-8821	-68363	-7395	-8821	1	Si
210	0.064	7.6	0	3183	SLV 1	3668	8821	68363	7395	8821	1	Si
210	0.064	7.6	0	-548	SLV 15	-1033	-8821	-68363	-7395	-8821	1	Si
230	0.064	7.6	0	3013	SLV 1	3498	8821	68363	7395	8821	1	Si
230	0.064	7.6	0	-719	SLV 15	-1204	-8821	-68363	-7395	-8821	1	Si
240	0.064	7.6	0	2927	SLV 1	3412	8821	68363	7395	8821	1	Si
240	0.064	7.6	0	-804	SLV 15	-1289	-8821	-68363	-7395	-8821	1	Si
260	0.064	7.6	0	2757	SLV 1	3242	8821	68363	7395	8821	1	Si
260	0.064	7.6	0	-975	SLV 15	-1460	-8821	-68363	-7395	-8821	1	Si
273	0.064	7.6	0	2650	SLV 1	3135	8821	68363	7395	8821	1	Si
273	0.064	7.6	0	-1081	SLV 15	-1567	-8821	-68363	-7395	-8821	1	Si
280	0	7.6	0	2586	SLV 1	3071	8821	68363	0	8821	1	Si
280	0	7.6	0	-1145	SLV 15	-1631	-8821	-68363	0	-8821	1	Si
300	0	10	0	2420	SLV 1	2905	9664	68363	0	9664	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
300	0	7.6	0	-1311	SLV 15	-1797	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.43	0	3932	SLD 1	3932	10106	68363	0	10106	1	Si
10	0	7.6	0	3847	SLD 1	3847	8821	68363	0	8821	1	Si
20	0.064	7.6	0	3762	SLD 1	3762	8821	68363	7395	8821	1	Si
40	0.064	7.6	0	3591	SLD 1	3591	8821	68363	7395	8821	1	Si
60	0.064	7.6	0	3420	SLD 1	3420	8821	68363	7395	8821	1	Si
80	0.064	7.6	0	3250	SLD 1	3250	8821	68363	7395	8821	1	Si
90	0.064	7.6	0	3164	SLD 1	3164	8821	68363	7395	8821	1	Si
110	0.064	7.6	0	2994	SLD 1	2994	8821	68363	7395	8821	1	Si
130	0.064	7.6	0	2823	SLD 1	2823	8821	68363	7395	8821	1	Si
150	0.064	7.6	0	2653	SLD 1	2653	8821	68363	7395	8821	1	Si
170	0.064	7.6	0	2482	SLD 1	2482	8821	68363	7395	8821	1	Si
190	0.064	7.6	0	2311	SLD 1	2311	8821	68363	7395	8821	1	Si
210	0.064	7.6	0	2141	SLD 1	2141	8821	68363	7395	8821	1	Si
230	0.064	7.6	0	1970	SLD 1	1970	8821	68363	7395	8821	1	Si
240	0.064	7.6	0	1885	SLD 1	1885	8821	68363	7395	8821	1	Si
260	0.064	7.6	0	1714	SLD 1	1714	8821	68363	7395	8821	1	Si
273	0.064	7.6	0	1608	SLD 1	1608	8821	68363	7395	8821	1	Si
273	0.064	7.6	0	-39	SLD 15	-39	-8821	-68363	-7395	-8821	1	Si
280	0	7.6	0	1544	SLD 1	1544	8821	68363	0	8821	1	Si
280	0	7.6	0	-103	SLD 15	-103	-8821	-68363	0	-8821	1	Si
300	0	10	0	1378	SLD 1	1378	9664	68363	0	9664	1	Si
300	0	10	0	-269	SLD 15	-269	-9664	-68363	0	-9664	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-146720	8	-109945	3.8	124.5	124.6	1837	-116005	1	-84496	3	93.4	0	+∞	Si
20	-75046	8	-75046	2.6	124.5	85.1	1837	-54693	1	-54693	1.9	93.4	0	+∞	Si
40	14174	2	91303	2.2	124.5	34.6	1837	9787	2	86600	3.6	93.4	0	+∞	Si
40	-7124	8	-75046	2.7	124.5	96.6	1837								Si
60	67258	2	148850	3.7	124.5	57	1837	63433	2	135286	5.7	93.4	0	+∞	Si
80	123173	9	202831	5.3	124.5	79.3	1837	113666	2	180560	8.1	93.4	0	+∞	Si
90	151483	9	228414	6	124.5	89.3	1837	137503	2	201917	9.1	93.4	0	+∞	Si
110	205289	9	276766	7.2	124.5	108.2	1837	182618	2	242073	10.9	93.4	0	+∞	Si
130	255343	9	321367	8.4	124.5	125.6	1837	224321	2	278817	12.5	93.4	0	+∞	Si
150	301645	9	362215	9.4	124.5	141.6	1837	262612	2	312148	14	93.4	0	+∞	Si
170	344195	9	399454	10.4	124.5	156.1	1837	297491	2	342191	15.3	93.4	0	+∞	Si
190	382992	9	433781	11.3	124.5	169.6	1837	328958	2	369541	16.6	93.4	0	+∞	Si
210	418719	8	464356	12.1	124.5	181.5	1837	357596	1	393479	17.6	93.4	0	+∞	Si
230	450995	8	491179	20.4	124.5	890.9	1837	383082	1	414005	17.2	93.4	0	+∞	Si
240	465726	8	503183	20.4	124.5	853.3	1837	394545	1	422988	17.1	93.4	0	+∞	Si
260	492374	8	507036	19.6	124.5	761.2	1837	414912	1	425829	16.5	93.4	0	+∞	Si
273	507036	8	507036	19.6	124.5	757.5	1837	425829	1	425829	16.5	93.4	0	+∞	Si
280	515271	8	514300	19.9	124.5	768.4	1837	431867	1	431182	16.7	93.4	0	+∞	Si
300	534425	8	522455	20.2	124.5	780.5	1837	445417	1	437192	16.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
40	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
60	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si
80	0.006	0.005	0.006	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.013	2	0.013	2	9999	Si
90	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.014	2	9999	Si
110	0.008	0.007	0.007	0.006	0.007	0.007	0.007	0.006	0.007	0.007	0.017	2	0.016	2	9999	Si
130	0.009	0.008	0.008	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.019	2	0.018	2	9999	Si
150	0.01	0.009	0.009	0.008	0.009	0.009	0.008	0.008	0.009	0.009	0.02	2	0.02	2	9999	Si
170	0.01	0.009	0.009	0.008	0.009	0.009	0.008	0.008	0.009	0.009	0.021	2	0.02	2	9999	Si
190	0.01	0.009	0.009	0.008	0.009	0.009	0.008	0.008	0.009	0.009	0.02	2	0.02	2	9999	Si
210	0.01	0.008	0.009	0.007	0.008	0.008	0.008	0.007	0.008	0.008	0.019	2	0.019	2	9999	Si
230	0.008	0.007	0.008	0.006	0.007	0.007	0.007	0.006	0.007	0.007	0.017	2	0.017	2	9999	Si
240	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.015	2	9999	Si
260	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
273	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
280	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	2938	2351	8821	SLV 1	0.57	2474	1.666	-47270	154327	963633	SLV 1	0.57	2474	1.666	Si
40	2768	2351	8821	SLV 1	0.57	2474	1.666	86600	218162	963522	SLV 1	0.57	2474	1.666	Si
60	2597	2351	8821	SLV 1	0.57	2474	1.666	135286	248219	963380	SLV 1	0.57	2474	1.666	Si
80	2426	2351	8821	SLV 1	0.57	2474	1.666	180560	279662	962923	SLV 1	0.57	2474	1.666	Si
90	2341	2351	8821	SLV 1	0.57	2474	1.666	201917	295808	962923	SLV 1	0.57	2474	1.666	Si
110	2170	2351	8821	SLV 1	0.57	2474	1.666	242073	328817	962923	SLV 1	0.57	2474	1.666	Si
130	2000	2351	8821	SLV 1	0.57	2474	1.666	278817	362642	962923	SLV 1	0.57	2474	1.666	Si
150	1829	2351	8821	SLV 1	0.57	2474	1.666	312148	397133	962923	SLV 1	0.57	2474	1.666	Si
170	1659	2351	8821	SLV 1	0.57	2474	1.666	342067	432155	962923	SLV 1	0.51	1811	1.466	Si
190	1488	2351	8821	SLV 1	0.57	2474	1.666	368575	467592	962923	SLV 1	0.46	1307	1.283	Si
210	1317	2351	8821	SLV 1	0.57	2474	1.666	391670	503351	962923	SLV 1	0.41	969	1.135	Si
230	1147	2351	8821	SLV 1	0.57	2474	1.666	411353	539362	1167756	SLV 1	0.5	1698	1.428	Si
240	1062	2351	8821	SLV 1	0.57	2474	1.666	419915	557444	1247752	SLV 1	0.53	1979	1.521	Si
260	891	2351	8821	SLV 1	0.57	2474	1.666	422611	563658	1407703	SLV 1	0.57	2474	1.666	Si
273	784	2351	8821	SLV 1	0.57	2474	1.666	422611	563658	1414576	SLV 1	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	2938	823	8821	SLD 1	0.6	2474	4.193	-47270	68098	963633	SLD 1	0.6	2474	4.193	Si
40	2768	823	8821	SLD 1	0.6	2474	4.193	86600	96466	963522	SLD 1	0.6	2474	4.193	Si
60	2597	823	8821	SLD 1	0.6	2474	4.193	135286	109787	963380	SLD 1	0.6	2474	4.193	Si
80	2426	823	8821	SLD 1	0.6	2474	4.193	180560	123712	962923	SLD 1	0.6	2474	4.193	Si
90	2341	823	8821	SLD 1	0.6	2474	4.193	201917	130860	962923	SLD 1	0.6	2474	4.193	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
110	2170	823	8821	SLD 1	0.6	2474	4.193	242073	145465	962923	SLD 1	0.6	2474	4.193	Si
130	2000	823	8821	SLD 1	0.6	2474	4.193	278817	160424	962923	SLD 1	0.56	2341	4.099	Si
150	1829	823	8821	SLD 1	0.6	2474	4.193	312148	175670	962923	SLD 1	0.49	1606	3.512	Si
170	1659	823	8821	SLD 1	0.6	2474	4.193	342067	191145	962923	SLD 1	0.43	1134	3.045	Si
190	1488	823	8821	SLD 1	0.6	2474	4.193	368575	206798	962923	SLD 1	0.39	828	2.677	Si
210	1317	823	8821	SLD 1	0.6	2474	4.193	391670	222591	962923	SLD 1	0.35	630	2.393	Si
230	1147	823	8821	SLD 1	0.6	2474	4.193	411353	238491	1167756	SLD 1	0.42	1063	2.966	Si
240	1062	823	8821	SLD 1	0.6	2474	4.193	419915	246475	1247752	SLD 1	0.45	1239	3.158	Si
260	891	823	8821	SLD 1	0.6	2474	4.193	422611	249218	1407703	SLD 1	0.52	1911	3.772	Si
273	784	823	8821	SLD 1	0.6	2474	4.193	422611	249218	1414576	SLD 1	0.53	1947	3.801	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 30-36

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili ? - ?, sezione R 40x70, asta 1188

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-849221	SLU 30	-777817	-1865528	0.096	Si
17	15.21	5.4	7.6	5.4						-729852	SLU 30	-728278	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-711167	SLU 30	-711167	-1865528	0.096	Si
34	15.21	5.4	7.6	5.4						-613856	SLU 30	-711167	-1865528	0.096	Si
52	15.21	5.4	7.6	5.4						-501234	SLU 30	-693158	-1865528	0.096	Si
69	13.74	5.4	7.6	5.4						-391987	SLU 30	-578221	-1691790	0.092	Si
78	12.93	5.4	7.6	5.4						-338628	SLU 30	-522019	-1595396	0.09	Si
95	11.3	5.4	7.6	5.4						-234854	SLU 29	-412144	-1402462	0.086	Si
112	7.6	5.4	7.6	5.4	-59987	SLU 8	66747	962923	0.078	-135297	SLU 29	-305643	-962923	0.078	Si
129	7.6	5.4	7.6	5.4	10970	SLU 17	151399	962923	0.078	-42454	SLU 20	-203322	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	93837	SLU 35	233038	962923	0.078	32328	SLU 2	-104825	-962923	0.078	Si
164	7.6	5.4	7.6	5.4	177331	SLU 35	317757	962923	0.078	100335	SLU 2	-15816	-962923	0.078	Si
181	7.6	5.4	7.6	5.4	260149	SLU 36	398788	962923	0.078						Si
190	7.6	5.4	7.6	5.4	302390	SLU 36	437922	962923	0.078						Si
207	7.6	5.4	7.6	5.4	384108	SLU 36	513424	962923	0.078						Si
224	7.6	5.4	7.6	5.4	462139	SLU 36	545793	962923	0.078						Si
241	7.6	5.4	7.6	5.4	536483	SLU 36	545793	962923	0.078						Si
244	7.6	5.4	7.6	5.4	545793	SLU 36	545793	962923	0.078						Si
259	7.6	5.4	7.6	5.4	607141	SLU 36	576526	962923	0.078						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	447272	SLV 15	447272	963633	0.08	-1640327	SLV 1	-1552655	-1865528	0.096	Si
17	15.21	5.4	7.6	5.4	469949	SLV 15	469949	963633	0.08	-1492939	SLV 1	-1490979	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	473273	SLV 15	505126	963633	0.08	-1469675	SLV 1	-1469675	-1865528	0.096	Si
34	15.21	5.4	7.6	5.4	490106	SLV 15	518324	963633	0.08	-1348106	SLV 1	-1469675	-1865528	0.096	Si
52	15.21	5.4	7.6	5.4	507748	SLV 15	531737	963633	0.08	-1205833	SLV 1	-1447252	-1865528	0.096	Si
69	13.74	5.4	7.6	5.4	522879	SLV 15	542652	963549	0.08	-1066125	SLV 1	-1303223	-1691790	0.092	Si
78	12.93	5.4	7.6	5.4	529505	SLV 15	547176	963495	0.08	-997235	SLV 1	-1232169	-1595396	0.09	Si
95	11.3	5.4	7.6	5.4	540884	SLV 15	554367	963369	0.08	-861387	SLV 1	-1091984	-1402462	0.086	Si
103	7.6	5.4	7.6	5.4	545639	SLV 15	557038	962923	0.078	-794432	SLV 1	-1022854	-962923	0.078	No
112	7.6	5.4	7.6	5.4	549773	SLV 15	559098	962923	0.078	-728125	SLV 1	-954368	-962923	0.078	Si
129	7.6	5.4	7.6	5.4	556188	SLV 15	561395	962923	0.078	-597464	SLV 1	-819331	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	560150	SLV 15	561690	962923	0.078	-469425	SLV 1	-686885	-962923	0.078	Si
164	7.6	5.4	7.6	5.4	561690	SLV 15	561690	962923	0.078	-344039	SLV 1	-557045	-962923	0.078	Si
181	7.6	5.4	7.6	5.4	560855	SLV 15	561690	962923	0.078	-221353	SLV 1	-429837	-962923	0.078	Si
190	7.6	5.4	7.6	5.4	559568	SLV 15	561690	962923	0.078	-161043	SLV 1	-367229	-962923	0.078	Si
207	7.6	5.4	7.6	5.4	555320	SLV 15	561119	962923	0.078	-42557	SLV 1	-244038	-962923	0.078	Si
224	7.6	5.4	7.6	5.4	548981	SLV 15	558406	962923	0.078	72945	SLV 1	-123605	-962923	0.078	Si
241	7.6	5.4	7.6	5.4	540851	SLV 15	553485	962923	0.078	185164	SLV 1	-6040	-962923	0.078	Si
244	7.6	5.4	7.6	5.4	539670	SLV 15	552725	962923	0.078						Si
259	7.6	5.4	7.6	5.4	531690	SLV 13	514851	962923	0.078						Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-1058039	SLD 1	-990885	-1865528	0.096	Si
17	15.21	5.4	7.6	5.4						-945443	SLD 1	-943953	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	-68660	SLD 15	21822	963633	0.08	-927742	SLD 1	-927742	-1865528	0.096	Si
34	15.21	5.4	7.6	5.4	-22608	SLD 15	64220	963633	0.08	-835392	SLD 1	-927742	-1865528	0.096	Si
52	15.21	5.4	7.6	5.4	29803	SLD 15	112375	963633	0.08	-727889	SLD 1	-910681	-1865528	0.096	Si
69	13.74	5.4	7.6	5.4	79689	SLD 15	158009	963549	0.08	-622935	SLD 1	-801430	-1691790	0.092	Si
78	12.93	5.4	7.6	5.4	103685	SLD 15	179883	963495	0.08	-571415	SLD 1	-747760	-1595396	0.09	Si
95	11.3	5.4	7.6	5.4	149788	SLD 15	221747	963369	0.08	-470291	SLD 1	-642331	-1402462	0.086	Si
103	7.6	5.4	7.6	5.4	171895	SLD 15	241739	962923	0.078	-420688	SLD 1	-590574	-962923	0.078	Si
112	7.6	5.4	7.6	5.4	193374	SLD 15	261107	962923	0.078	-371725	SLD 1	-539455	-962923	0.078	Si
129	7.6	5.4	7.6	5.4	234450	SLD 15	297976	962923	0.078	-275726	SLD 1	-439134	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
147	7.6	5.4	7.6	5.4	273026	SLD 15	332371	962923	0.078	-182301	SLD 1	-341374	-962923	0.078	Si
164	7.6	5.4	7.6	5.4	309115	SLD 15	364321	962923	0.078	-91464	SLD 1	-246182	-962923	0.078	Si
181	7.6	5.4	7.6	5.4	342738	SLD 15	393870	962923	0.078	-3235	SLD 1	-153569	-962923	0.078	Si
190	7.6	5.4	7.6	5.4	358633	SLD 15	407766	962923	0.078	39891	SLD 1	-108233	-962923	0.078	Si
207	7.6	5.4	7.6	5.4	388622	SLD 15	433880	962923	0.078	124141	SLD 1	-19519	-962923	0.078	Si
224	7.6	5.4	7.6	5.4	416268	SLD 15	444816	962923	0.078						Si
241	7.6	5.4	7.6	5.4	441702	SLD 15	444816	962923	0.078						Si
244	7.6	5.4	7.6	5.4	444816	SLD 15	444816	962923	0.078						Si
259	7.6	5.4	7.6	5.4	465252	SLD 13	454556	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.55	0	7062	SLU 36	7062	10952	68363	0	10952	1	Si
17	0	12.93	0	6852	SLU 36	6852	10528	68363	0	10528	1	Si
20	0.086	12.11	0	6818	SLU 36	6818	10303	68363	10004	10303	1	Si
34	0.086	11.3	0	6642	SLU 36	6642	10067	68363	10004	10067	1	Si
52	0.086	7.6	0	6432	SLU 36	6432	8821	68363	10004	10004	1	Si
69	0.086	7.6	0	6222	SLU 36	6222	8821	68363	10004	10004	1	Si
78	0.086	7.6	0	6118	SLU 36	6118	8821	68363	10004	10004	1	Si
95	0.065	7.6	0	5908	SLU 36	5908	8821	68363	7596	8821	1	Si
112	0.065	7.6	0	5698	SLU 36	5698	8821	68363	7596	8821	1	Si
129	0.065	7.6	0	5488	SLU 36	5488	8821	68363	7596	8821	1	Si
147	0.065	7.6	0	5279	SLU 36	5279	8821	68363	7596	8821	1	Si
164	0.065	7.6	0	5069	SLU 36	5069	8821	68363	7596	8821	1	Si
181	0.065	7.6	0	4872	SLU 30	4872	8821	68363	7596	8821	1	Si
190	0.065	7.6	0	4776	SLU 30	4776	8821	68363	7596	8821	1	Si
207	0.065	7.6	0	4584	SLU 30	4584	8821	68363	7596	8821	1	Si
224	0.065	7.6	0	4392	SLU 30	4392	8821	68363	7596	8821	1	Si
241	0.065	7.6	0	4200	SLU 30	4200	8821	68363	7596	8821	1	Si
244	0.065	7.6	0	4175	SLU 30	4175	8821	68363	7596	8821	1	Si
259	0	7.6	0	4008	SLU 30	4008	8821	68363	0	8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.55	0	8465	SLV 1	9390	10952	68363	0	10952	1	Si
17	0	12.93	0	8321	SLV 1	9245	10528	68363	0	10528	1	Si
20	0.086	12.11	0	8298	SLV 1	9222	10303	68363	10004	10303	1	Si
34	0.086	11.3	0	8177	SLV 1	9101	10067	68363	10004	10067	1	Si
52	0.086	7.6	0	8032	SLV 1	8957	8821	68363	10004	10004	1	Si
52	0.086	7.6	0	922	SLV 15	-3	-8821	-68363	-10004	-10004	1	Si
69	0.086	7.6	0	7888	SLV 1	8812	8821	68363	10004	10004	1	Si
69	0.086	7.6	0	777	SLV 15	-147	-8821	-68363	-10004	-10004	1	Si
78	0.086	7.6	0	7816	SLV 1	8740	8821	68363	10004	10004	1	Si
78	0.086	7.6	0	705	SLV 15	-219	-8821	-68363	-10004	-10004	1	Si
95	0.065	7.6	0	7671	SLV 1	8596	8821	68363	7596	8821	1	Si
95	0.065	7.6	0	561	SLV 15	-364	-8821	-68363	-7596	-8821	1	Si
112	0.065	7.6	0	7527	SLV 1	8451	8821	68363	7596	8821	1	Si
112	0.065	7.6	0	416	SLV 15	-508	-8821	-68363	-7596	-8821	1	Si
129	0.065	7.6	0	7383	SLV 1	8307	8821	68363	7596	8821	1	Si
129	0.065	7.6	0	272	SLV 15	-652	-8821	-68363	-7596	-8821	1	Si
147	0.065	7.6	0	7238	SLV 1	8163	8821	68363	7596	8821	1	Si
147	0.065	7.6	0	128	SLV 15	-797	-8821	-68363	-7596	-8821	1	Si
164	0.065	7.6	0	7094	SLV 1	8018	8821	68363	7596	8821	1	Si
164	0.065	7.6	0	-17	SLV 15	-941	-8821	-68363	-7596	-8821	1	Si
181	0.065	7.6	0	6950	SLV 1	7874	8821	68363	7596	8821	1	Si
181	0.065	7.6	0	-161	SLV 15	-1085	-8821	-68363	-7596	-8821	1	Si
190	0.065	7.6	0	6877	SLV 1	7802	8821	68363	7596	8821	1	Si
190	0.065	7.6	0	-233	SLV 15	-1158	-8821	-68363	-7596	-8821	1	Si
207	0.065	7.6	0	6733	SLV 1	7657	8821	68363	7596	8821	1	Si
207	0.065	7.6	0	-378	SLV 15	-1302	-8821	-68363	-7596	-8821	1	Si
224	0.065	7.6	0	6589	SLV 1	7513	8821	68363	7596	8821	1	Si
224	0.065	7.6	0	-522	SLV 15	-1446	-8821	-68363	-7596	-8821	1	Si
241	0.065	7.6	0	6444	SLV 1	7369	8821	68363	7596	8821	1	Si
241	0.065	7.6	0	-666	SLV 15	-1591	-8821	-68363	-7596	-8821	1	Si
244	0.065	7.6	0	6425	SLV 1	7350	8821	68363	7596	8821	1	Si
244	0.065	7.6	0	-685	SLV 15	-1610	-8821	-68363	-7596	-8821	1	Si
259	0	7.6	0	6300	SLV 1	7224	8821	68363	0	8821	1	Si
259	0	7.6	0	-811	SLV 15	-1735	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.55	0	6482	SLD 1	6482	10952	68363	0	10952	1	Si
17	0	12.93	0	6337	SLD 1	6337	10528	68363	0	10528	1	Si
20	0.086	12.11	0	6314	SLD 1	6314	10303	68363	10004	10303	1	Si
34	0.086	11.3	0	6193	SLD 1	6193	10067	68363	10004	10067	1	Si
52	0.086	7.6	0	6049	SLD 1	6049	8821	68363	10004	10004	1	Si
69	0.086	7.6	0	5904	SLD 1	5904	8821	68363	10004	10004	1	Si
78	0.086	7.6	0	5832	SLD 1	5832	8821	68363	10004	10004	1	Si
95	0.065	7.6	0	5688	SLD 1	5688	8821	68363	7596	8821	1	Si
112	0.065	7.6	0	5543	SLD 1	5543	8821	68363	7596	8821	1	Si
129	0.065	7.6	0	5399	SLD 1	5399	8821	68363	7596	8821	1	Si
147	0.065	7.6	0	5255	SLD 1	5255	8821	68363	7596	8821	1	Si
164	0.065	7.6	0	5110	SLD 1	5110	8821	68363	7596	8821	1	Si
181	0.065	7.6	0	4966	SLD 1	4966	8821	68363	7596	8821	1	Si
190	0.065	7.6	0	4894	SLD 1	4894	8821	68363	7596	8821	1	Si
207	0.065	7.6	0	4749	SLD 1	4749	8821	68363	7596	8821	1	Si
224	0.065	7.6	0	4605	SLD 1	4605	8821	68363	7596	8821	1	Si
241	0.065	7.6	0	4460	SLD 1	4460	8821	68363	7596	8821	1	Si
244	0.065	7.6	0	4442	SLD 1	4442	8821	68363	7596	8821	1	Si
259	0	7.6	0	4316	SLD 1	4316	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-629467	3	-576398	20.2	124.5	653.3	1837	-596528	2	-545628	19.1	93.4	0	+∞	Si
17	-540763	3	-539594	18.9	124.5	611.6	1837	-511495	2	-510377	17.9	93.4	0	+∞	Si
20	-526882	3	-526882	18.4	124.5	597.2	1837	-498201	2	-498201	17.4	93.4	0	+∞	Si
34	-454597	3	-526882	18.4	124.5	597.2	1837	-429000	2	-498201	17.4	93.4	0	+∞	Si
52	-370968	3	-513503	18	124.5	582	1837	-349043	2	-485388	17	93.4	0	+∞	Si
69	-289878	3	-428134	15.5	124.5	534.7	1837	-271623	2	-403690	14.6	93.4	0	+∞	Si
78	-250284	3	-386401	14.3	124.5	511.7	1837	-233865	2	-363792	13.4	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
95	-173274	2	-304838	11.8	124.5	459.4	1837	-160251	2	-285901	11.1	93.4	0	+∞	Si
112	-99365	2	-225813	5.9	124.5	88.3	1837	-89176	2	-210547	9.4	93.4	0	+∞	Si
129	2521	8	110577	2.9	124.5	43.2	1837								Si
129	-27993	2	-149863	3.9	124.5	58.6	1837	-20638	2	-137730	6.2	93.4	0	+∞	Si
147	67603	8	171479	4.5	124.5	67	1837	52144	1	150816	6.8	93.4	0	+∞	Si
164	129939	8	234145	6.1	124.5	91.5	1837	111356	1	210001	9.4	93.4	0	+∞	Si
181	191536	9	294065	7.7	124.5	114.9	1837	169751	2	266649	12	93.4	0	+∞	Si
190	222781	9	322996	8.4	124.5	126.2	1837	199262	2	294021	13.2	93.4	0	+∞	Si
207	283211	9	378797	9.9	124.5	148.1	1837	256382	2	346862	15.6	93.4	0	+∞	Si
224	340896	9	402713	10.5	124.5	157.4	1837	310963	2	369529	16.6	93.4	0	+∞	Si
241	395835	9	402713	10.5	124.5	157.4	1837	363008	2	369529	16.6	93.4	0	+∞	Si
244	402713	9	402713	10.5	124.5	157.4	1837	369529	2	369529	16.6	93.4	0	+∞	Si
259	448028	9	425418	11.1	124.5	166.3	1837	412514	2	391055	17.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
34	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
52	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
60	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
69	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
78	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
95	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	1	-0.004	1	9999	Si
112	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
129	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	1	-0.002	1	9999	Si
147	0.001	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
164	0.001	0	0.001	0	0.001	0	0	0	0.001	0	0.001	1	0.001	1	9999	Si
181	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
190	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.002	1	9999	Si
207	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
224	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.002	1	9999	Si
241	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
244	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	1	0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	4743	4480	10303	SLV 1	0.45	1227	1.25	-498201	-971474	-1865528	SLV 1	0.5	1715	1.434	Si
34	4621	4480	10067	SLV 1	0.44	1161	1.222	-498201	-971474	-1865528	SLV 1	0.5	1715	1.434	Si
52	4477	4480	10004	SLV 1	0.44	1208	1.242	-485388	-961865	-1865528	SLV 1	0.51	1804	1.464	Si
69	4333	4480	10004	SLV 1	0.46	1293	1.277	-403690	-899534	-1691790	SLV 1	0.51	1796	1.461	Si
78	4260	4480	10004	SLV 1	0.46	1337	1.295	-363792	-868377	-1595396	SLV 1	0.51	1749	1.446	Si
95	4116	4480	8821	SLV 1	0.38	802	1.05	-285901	-806083	-1402462	SLV 1	0.5	1643	1.409	Si
103	4044	4480	8821	SLV 1	0.39	832	1.066	-247906	-774948	-962923	SLV 1	0.34	586	0.923	No
112	3972	4480	8821	SLV 1	0.39	863	1.082	-210547	-743821	-962923	SLV 1	0.37	731	1.011	Si
129	3827	4480	8821	SLV 1	0.4	927	1.114	-137730	-681601	-962923	SLV 1	0.44	1149	1.217	Si
147	3683	4480	8821	SLV 1	0.42	996	1.148	-67452	-619433	-962923	SLV 1	0.52	1842	1.477	Si
164	3539	4480	8821	SLV 1	0.43	1071	1.182	289	557335	962923	SLV 15	0.57	2474	1.666	Si
181	3394	4480	8821	SLV 1	0.44	1151	1.218	108826	452865	962923	SLV 15	0.57	2474	1.666	Si
190	3322	4480	8821	SLV 1	0.44	1192	1.235	108826	452865	962923	SLV 15	0.57	2474	1.666	Si
207	3178	4480	8821	SLV 1	0.45	1276	1.27	158540	402579	962923	SLV 15	0.57	2474	1.666	Si
224	3033	4480	8821	SLV 1	0.46	1364	1.305	217400	341005	962923	SLV 15	0.57	2474	1.666	Si
241	2889	4480	8821	SLV 1	0.48	1456	1.341	273723	279762	962923	SLV 15	0.57	2474	1.666	Si
244	2870	4480	8821	SLV 1	0.48	1469	1.346	369529	170141	962923	SLV 15	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	4743	1572	10303	SLD 1	0.47	1421	3.34	-498201	-429541	-1865528	SLD 1	0.43	1073	2.977	Si
34	4621	1572	10067	SLD 1	0.46	1345	3.266	-498201	-429541	-1865528	SLD 1	0.43	1073	2.977	Si
52	4477	1572	10004	SLD 1	0.47	1398	3.318	-485388	-425293	-1865528	SLD 1	0.43	1130	3.041	Si
69	4333	1572	10004	SLD 1	0.48	1498	3.413	-403690	-397740	-1691790	SLD 1	0.43	1124	3.034	Si
78	4260	1572	10004	SLD 1	0.49	1549	3.461	-363792	-383968	-1595396	SLD 1	0.43	1096	3.003	Si
95	4116	1572	8821	SLD 1	0.4	915	2.789	-285901	-356431	-1402462	SLD 1	0.42	1027	2.924	Si
112	3972	1572	8821	SLD 1	0.41	985	2.874	-210547	-328908	-962923	SLD 1	0.31	477	2.135	Si
129	3827	1572	8821	SLD 1	0.43	1068	2.971	-137730	-301404	-962923	SLD 1	0.37	736	2.551	Si
147	3683	1572	8821	SLD 1	0.44	1153	3.066	-67452	-273923	-962923	SLD 1	0.44	1153	3.066	Si
164	3539	1572	8821	SLD 1	0.45	1241	3.16	289	246472	962923	SLD 15	0.52	1851	3.723	Si
181	3394	1572	8821	SLD 1	0.46	1332	3.253	65493	219062	962923	SLD 15	0.54	2103	3.923	Si
190	3322	1572	8821	SLD 1	0.47	1380	3.3	97143	205377	962923	SLD 15	0.56	2271	4.048	Si
207	3178	1572	8821	SLD 1	0.48	1478	3.395	158540	178059	962923	SLD 15	0.59	2474	4.193	Si
224	3033	1572	8821	SLD 1	0.49	1582	3.491	217400	150839	962923	SLD 15	0.6	2474	4.193	Si
241	2889	1572	8821	SLD 1	0.5	1689	3.586	273723	123762	962923	SLD 15	0.6	2474	4.193	Si
244	2870	1572	8821	SLD 1	0.5	1703	3.598	369529	75288	962923	SLD 15	0.6	2474	4.193	Si

Campata 3 tra i fili ? - 32, sezione R 40x70, asta 1187

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	598850	SLU 36	598850	962923	0.078						Si
14	7.6	5.4	7.6	5.4	628285	SLU 36	628285	962923	0.078						Si
15	7.6	5.4	7.6	5.4	630425	SLU 36	684022	962923	0.078						Si
28	7.6	5.4	7.6	5.4	655407	SLU 36	705112	962923	0.078						Si
42	7.6	5.4	7.6	5.4	680215	SLU 36	731358	962923	0.078						Si
56	7.6	5.4	7.6	5.4	702746	SLU 30	755487	962923	0.078						Si
63	7.6	5.4	7.6	5.4	716226	SLU 30	766757	962923	0.078						Si
77	7.6	5.4	7.6	5.4	741600	SLU 30	787710	962923	0.078						Si
91	7.6	5.4	7.6	5.4	764856	SLU 30	806546	962923	0.078						Si
104	7.6	5.4	7.6	5.4	785995	SLU 30	823264	962923	0.078						Si
118	7.6	5.4	10.02	5.4	805016	SLU 30	837865	1250379	0.083						Si
132	7.6	5.4	10.96	5.4	821920	SLU 30	850349	1361744	0.085						Si
146	7.6	5.4	11.4	5.4	836707	SLU 30	860716	1414576	0.086						Si
160	7.6	5.4	11.4	5.4	849377	SLU 30	868843	1414576	0.086						Si
167	7.6	5.4	11.4	5.4	854918	SLU 30	868843	1414576	0.086						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
181	7.6	5.4	11.4	5.4	864412	SLU 30	868843	1414576	0.086						Si
189	7.6	5.4	11.4	5.4	868843	SLU 29	868843	1414576	0.086						Si
195	7.6	5.4	11.4	5.4	872247	SLU 29	871876	1414576	0.086						Si
209	7.6	5.4	11.4	5.4	878459	SLU 29	874729	1414576	0.086						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	610986	SLV 15	583516	962923	0.078						Si
14	7.6	5.4	7.6	5.4	578104	SLV 13	577560	962923	0.078						Si
15	7.6	5.4	7.6	5.4	575737	SLV 13	575737	962923	0.078						Si
28	7.6	5.4	7.6	5.4	548916	SLV 13	575737	962923	0.078						Si
42	7.6	5.4	7.6	5.4	529402	SLV 13	626796	962923	0.078						Si
56	7.6	5.4	7.6	5.4	565861	SLV 5	699597	962923	0.078						Si
63	7.6	5.4	7.6	5.4	590506	SLV 5	736077	962923	0.078						Si
77	7.6	5.4	7.6	5.4	656663	SLV 1	808417	962923	0.078						Si
91	7.6	5.4	7.6	5.4	729699	SLV 1	879570	962923	0.078						Si
104	7.6	5.4	7.6	5.4	802134	SLV 1	949347	962923	0.078						Si
118	7.6	5.4	10.02	5.4	873405	SLV 1	1017659	1250379	0.083						Si
132	7.6	5.4	10.96	5.4	943308	SLV 1	1084462	1361744	0.085						Si
146	7.6	5.4	11.4	5.4	1011752	SLV 1	1149729	1414576	0.086						Si
160	7.6	5.4	11.4	5.4	1078689	SLV 1	1211933	1414576	0.086	82305	SLV 15	-32895	-963377	0.08	Si
167	7.6	5.4	11.4	5.4	1111584	SLV 1	1211933	1414576	0.086	55038	SLV 15	-32895	-963377	0.08	Si
181	7.6	5.4	11.4	5.4	1176213	SLV 1	1211933	1414576	0.086	-725	SLV 15	-32895	-963377	0.08	Si
189	7.6	5.4	11.4	5.4	1211933	SLV 1	1211933	1414576	0.086	-32895	SLV 15	-32895	-963377	0.08	Si
195	7.6	5.4	11.4	5.4	1239285	SLV 1	1235296	1414576	0.086	-58115	SLV 15	-54231	-963377	0.08	Si
209	7.6	5.4	11.4	5.4	1300791	SLV 1	1257272	1414576	0.086	-117125	SLV 15	-74299	-963377	0.08	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	496651	SLD 15	488801	962923	0.078						Si
14	7.6	5.4	7.6	5.4	495229	SLD 13	495009	962923	0.078						Si
15	7.6	5.4	7.6	5.4	495143	SLD 13	498012	962923	0.078						Si
28	7.6	5.4	7.6	5.4	494530	SLD 13	526537	962923	0.078						Si
42	7.6	5.4	7.6	5.4	497130	SLD 13	560924	962923	0.078						Si
56	7.6	5.4	7.6	5.4	523763	SLD 5	601752	962923	0.078						Si
63	7.6	5.4	7.6	5.4	539572	SLD 5	621863	962923	0.078						Si
77	7.6	5.4	7.6	5.4	577817	SLD 1	661137	962923	0.078						Si
91	7.6	5.4	7.6	5.4	618376	SLD 1	698996	962923	0.078						Si
104	7.6	5.4	7.6	5.4	657772	SLD 1	735355	962923	0.078						Si
118	7.6	5.4	10.02	5.4	695760	SLD 1	770177	1250379	0.083						Si
132	7.6	5.4	10.96	5.4	732253	SLD 1	803443	1361744	0.085						Si
146	7.6	5.4	11.4	5.4	767212	SLD 1	835140	1414576	0.086						Si
160	7.6	5.4	11.4	5.4	800615	SLD 1	864562	1414576	0.086						Si
167	7.6	5.4	11.4	5.4	816729	SLD 1	864562	1414576	0.086						Si
181	7.6	5.4	11.4	5.4	847778	SLD 1	864562	1414576	0.086						Si
189	7.6	5.4	11.4	5.4	864562	SLD 1	864562	1414576	0.086						Si
195	7.6	5.4	11.4	5.4	877250	SLD 1	875457	1414576	0.086						Si
209	7.6	5.4	11.4	5.4	905141	SLD 1	885705	1414576	0.086						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2651	SLU 29	2651	8821	68363	0	8821	1	Si
14	0	7.6	0	2499	SLU 29	2499	8821	68363	0	8821	1	Si
15	0.064	7.6	0	2487	SLU 29	2487	8821	68363	7384	8821	1	Si
28	0.064	7.6	0	2347	SLU 29	2347	8821	68363	7384	8821	1	Si
42	0.064	7.6	0	2195	SLU 29	2195	8821	68363	7384	8821	1	Si
56	0.064	7.6	0	2043	SLU 29	2043	8821	68363	7384	8821	1	Si
63	0.064	7.6	0	1967	SLU 29	1967	8821	68363	7384	8821	1	Si
77	0.064	7.6	0	1815	SLU 29	1815	8821	68363	7384	8821	1	Si
91	0.064	7.6	0	1663	SLU 29	1663	8821	68363	7384	8821	1	Si
104	0.064	7.6	0	1511	SLU 29	1511	8821	68363	7384	8821	1	Si
118	0.064	7.6	0	1359	SLU 20	1359	8821	68363	7384	8821	1	Si
132	0.064	7.6	0	1219	SLU 20	1219	8821	68363	7384	8821	1	Si
132	0.064	7.6	0	-8	SLU 17	-8	-8821	-68363	-7384	-8821	1	Si
146	0.064	7.6	0	1079	SLU 20	1079	8821	68363	7384	8821	1	Si
146	0.064	7.6	0	-145	SLU 17	-145	-8821	-68363	-7384	-8821	1	Si
160	0.064	7.6	0	938	SLU 20	938	8821	68363	7384	8821	1	Si
160	0.064	7.6	0	-282	SLU 17	-282	-8821	-68363	-7384	-8821	1	Si
167	0.064	7.6	0	868	SLU 20	868	8821	68363	7384	8821	1	Si
167	0.064	7.6	0	-350	SLU 17	-350	-8821	-68363	-7384	-8821	1	Si
181	0.064	10.02	0	728	SLU 20	728	9671	68363	7384	9671	1	Si
181	0.064	10.02	0	-487	SLU 17	-487	-9671	-68363	-7384	-9671	1	Si
189	0.064	10.49	0	652	SLU 2	652	9820	68363	7384	9820	1	Si
189	0.064	10.49	0	-567	SLU 35	-567	-9820	-68363	-7384	-9820	1	Si
195	0	10.96	0	603	SLU 2	603	9964	68363	0	9964	1	Si
195	0	10.96	0	-639	SLU 35	-639	-9964	-68363	0	-9964	1	Si
209	0	11.4	0	492	SLU 2	492	10097	68363	0	10097	1	Si
209	0	11.4	0	-806	SLU 35	-806	-10097	-68363	0	-10097	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	6085	SLV 1	7213	8821	68363	0	8821	1	Si
0	0	7.6	0	-2589	SLV 15	-3717	-8821	-68363	0	-8821	1	Si
14	0	7.6	0	5971	SLV 1	7098	8821	68363	0	8821	1	Si
14	0	7.6	0	-2704	SLV 15	-3831	-8821	-68363	0	-8821	1	Si
15	0.064	7.6	0	5962	SLV 1	7090	8821	68363	7384	8821	1	Si
15	0.064	7.6	0	-2712	SLV 15	-3840	-8821	-68363	-7384	-8821	1	Si
28	0.064	7.6	0	5856	SLV 1	6984	8821	68363	7384	8821	1	Si
28	0.064	7.6	0	-2818	SLV 15	-3946	-8821	-68363	-7384	-8821	1	Si
42	0.064	7.6	0	5742	SLV 1	6870	8821	68363	7384	8821	1	Si
42	0.064	7.6	0	-2932	SLV 15	-4060	-8821	-68363	-7384	-8821	1	Si
56	0.064	7.6	0	5628	SLV 1	6755	8821	68363	7384	8821	1	Si
56	0.064	7.6	0	-3047	SLV 15	-4174	-8821	-68363	-7384	-8821	1	Si
63	0.064	7.6	0	5570	SLV 1	6698	8821	68363	7384	8821	1	Si
63	0.064	7.6	0	-3104	SLV 15	-4231	-8821	-68363	-7384	-8821	1	Si
77	0.064	7.6	0	5456	SLV 1	6584	8821	68363	7384	8821	1	Si
77	0.064	7.6	0	-3218	SLV 15	-4346	-8821	-68363	-7384	-8821	1	Si
91	0.064	7.6	0	5342	SLV 1	6469	8821	68363	7384	8821	1	Si
91	0.064	7.6	0	-3333	SLV 15	-4460	-8821	-68363	-7384	-8821	1	Si
104	0.064	7.6	0	5227	SLV 1	6355	8821	68363	7384	8821	1	Si
104	0.064	7.6	0	-3447	SLV 15	-4575	-8821	-68363	-7384	-8821	1	Si
118	0.064	7.6	0	5113	SLV 1	6241	8821	68363	7384	8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
118	0.064	7.6	0	-3561	SLV 15	-4689	-8821	-68363	-7384	-8821	1	Si
132	0.064	7.6	0	4999	SLV 1	6126	8821	68363	7384	8821	1	Si
132	0.064	7.6	0	-3676	SLV 15	-4803	-8821	-68363	-7384	-8821	1	Si
146	0.064	7.6	0	4884	SLV 1	6012	8821	68363	7384	8821	1	Si
146	0.064	7.6	0	-3790	SLV 15	-4918	-8821	-68363	-7384	-8821	1	Si
160	0.064	7.6	0	4770	SLV 1	5898	8821	68363	7384	8821	1	Si
160	0.064	7.6	0	-3904	SLV 15	-5032	-8821	-68363	-7384	-8821	1	Si
167	0.064	7.6	0	4713	SLV 1	5840	8821	68363	7384	8821	1	Si
167	0.064	7.6	0	-3962	SLV 15	-5089	-8821	-68363	-7384	-8821	1	Si
181	0.064	10.02	0	4598	SLV 1	5726	9671	68363	7384	9671	1	Si
181	0.064	7.6	0	-4076	SLV 15	-5204	-8821	-68363	-7384	-8821	1	Si
189	0.064	10.49	0	4534	SLV 1	5662	9820	68363	7384	9820	1	Si
189	0.064	7.6	0	-4140	SLV 15	-5268	-8821	-68363	-7384	-8821	1	Si
195	0	10.96	0	4484	SLV 1	5612	9964	68363	0	9964	1	Si
195	0	7.6	0	-4190	SLV 15	-5318	-8821	-68363	0	-8821	1	Si
209	0	11.4	0	4370	SLV 1	5497	10097	68363	0	10097	1	Si
209	0	7.6	0	-4305	SLV 15	-5432	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3666	SLD 1	3666	8821	68363	0	8821	1	Si
0	0	7.6	0	-170	SLD 15	-170	-8821	-68363	0	-8821	1	Si
14	0	7.6	0	3551	SLD 1	3551	8821	68363	0	8821	1	Si
14	0	7.6	0	-284	SLD 15	-284	-8821	-68363	0	-8821	1	Si
15	0.064	7.6	0	3542	SLD 1	3542	8821	68363	7384	8821	1	Si
15	0.064	7.6	0	-293	SLD 15	-293	-8821	-68363	-7384	-8821	1	Si
28	0.064	7.6	0	3437	SLD 1	3437	8821	68363	7384	8821	1	Si
28	0.064	7.6	0	-398	SLD 15	-398	-8821	-68363	-7384	-8821	1	Si
42	0.064	7.6	0	3322	SLD 1	3322	8821	68363	7384	8821	1	Si
42	0.064	7.6	0	-513	SLD 15	-513	-8821	-68363	-7384	-8821	1	Si
56	0.064	7.6	0	3208	SLD 1	3208	8821	68363	7384	8821	1	Si
56	0.064	7.6	0	-627	SLD 15	-627	-8821	-68363	-7384	-8821	1	Si
63	0.064	7.6	0	3151	SLD 1	3151	8821	68363	7384	8821	1	Si
63	0.064	7.6	0	-684	SLD 15	-684	-8821	-68363	-7384	-8821	1	Si
77	0.064	7.6	0	3037	SLD 1	3037	8821	68363	7384	8821	1	Si
77	0.064	7.6	0	-799	SLD 15	-799	-8821	-68363	-7384	-8821	1	Si
91	0.064	7.6	0	2922	SLD 1	2922	8821	68363	7384	8821	1	Si
91	0.064	7.6	0	-913	SLD 15	-913	-8821	-68363	-7384	-8821	1	Si
104	0.064	7.6	0	2808	SLD 1	2808	8821	68363	7384	8821	1	Si
104	0.064	7.6	0	-1027	SLD 15	-1027	-8821	-68363	-7384	-8821	1	Si
118	0.064	7.6	0	2693	SLD 1	2693	8821	68363	7384	8821	1	Si
118	0.064	7.6	0	-1142	SLD 15	-1142	-8821	-68363	-7384	-8821	1	Si
132	0.064	7.6	0	2579	SLD 1	2579	8821	68363	7384	8821	1	Si
132	0.064	7.6	0	-1256	SLD 15	-1256	-8821	-68363	-7384	-8821	1	Si
146	0.064	7.6	0	2465	SLD 1	2465	8821	68363	7384	8821	1	Si
146	0.064	7.6	0	-1370	SLD 15	-1370	-8821	-68363	-7384	-8821	1	Si
160	0.064	7.6	0	2350	SLD 1	2350	8821	68363	7384	8821	1	Si
160	0.064	7.6	0	-1485	SLD 15	-1485	-8821	-68363	-7384	-8821	1	Si
167	0.064	7.6	0	2293	SLD 1	2293	8821	68363	7384	8821	1	Si
167	0.064	7.6	0	-1542	SLD 15	-1542	-8821	-68363	-7384	-8821	1	Si
181	0.064	10.02	0	2179	SLD 1	2179	9671	68363	7384	9671	1	Si
181	0.064	10.02	0	-1656	SLD 15	-1656	-9671	-68363	-7384	-9671	1	Si
189	0.064	10.49	0	2114	SLD 1	2114	9820	68363	7384	9820	1	Si
189	0.064	10.49	0	-1721	SLD 15	-1721	-9820	-68363	-7384	-9820	1	Si
195	0	10.96	0	2064	SLD 1	2064	9964	68363	0	9964	1	Si
195	0	10.96	0	-1771	SLD 15	-1771	-9964	-68363	0	-9964	1	Si
209	0	11.4	0	1950	SLD 1	1950	10097	68363	0	10097	1	Si
209	0	11.4	0	-1885	SLD 15	-1885	-10097	-68363	0	-10097	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	442139	9	442139	11.5	124.5	172.8	1837	405899	2	405899	18.2	93.4	0	+∞	Si
14	464111	9	464111	12.1	124.5	181.4	1837	429442	2	429442	19.3	93.4	0	+∞	Si
15	465709	9	505728	13.2	124.5	197.7	1837	431169	2	474913	21.3	93.4	0	+∞	Si
28	484359	9	521433	13.6	124.5	203.8	1837	451392	2	492058	22.1	93.4	0	+∞	Si
42	502884	9	540539	14.1	124.5	211.3	1837	471751	2	509091	22.8	93.4	0	+∞	Si
56	519710	3	558053	14.5	124.5	218.1	1837	490516	2	524532	23.5	93.4	0	+∞	Si
63	529532	3	566212	14.8	124.5	221.3	1837	499302	2	531655	23.8	93.4	0	+∞	Si
77	547981	3	581337	15.1	124.5	227.2	1837	515678	2	544707	24.4	93.4	0	+∞	Si
91	564838	3	594869	15.5	124.5	232.5	1837	530463	2	556167	24.9	93.4	0	+∞	Si
104	580102	3	606808	15.8	124.5	237.2	1837	543654	2	566034	25.4	93.4	0	+∞	Si
118	593774	3	617155	25	124.5	1044.3	1837	555254	2	574309	23.2	93.4	0	+∞	Si
132	605853	3	625910	24.5	124.5	971.6	1837	565261	2	580991	22.8	93.4	0	+∞	Si
146	616340	3	633072	24.5	124.5	945.8	1837	573675	2	586080	22.6	93.4	0	+∞	Si
160	625234	3	638562	24.7	124.5	954	1837	580497	2	589519	22.8	93.4	0	+∞	Si
167	629084	3	638562	24.7	124.5	954	1837	583311	2	589519	22.8	93.4	0	+∞	Si
181	635590	3	638562	24.7	124.5	954	1837	587744	2	589519	22.8	93.4	0	+∞	Si
189	638562	2	638562	24.7	124.5	954	1837	589519	2	589519	22.8	93.4	0	+∞	Si
195	640809	2	640578	24.7	124.5	957	1837	590585	2	590533	22.8	93.4	0	+∞	Si
209	644765	2	642474	24.8	124.5	959.9	1837	591833	2	591486	22.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
14	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
15	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
28	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
42	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.013	2	0.012	2	9999	Si
56	0.007	0.006	0.007	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.016	2	0.015	2	9999	Si
63	0.008	0.007	0.007	0.006	0.007	0.007	0.007	0.006	0.007	0.007	0.017	2	0.016	2	9999	Si
77	0.009	0.007	0.008	0.007	0.008	0.007	0.008	0.007	0.008	0.007	0.019	2	0.017	2	9999	Si
91	0.009	0.008	0.008	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.02	2	0.019	2	9999	Si
104	0.01	0.008	0.009	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.021	2	0.019	2	9999	Si
118	0.009	0.008	0.009	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.021	2	0.019	2	9999	Si
132	0.009	0.008	0.008	0.007	0.009	0.008	0.008	0.007	0.008	0.008	0.02	2	0.018	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
146	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.018	2	0.016	2	9999	Si
160	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.015	2	0.014	2	9999	Si
167	0.006	0.005	0.006	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.014	2	0.012	2	9999	Si
181	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.01	2	0.009	2	9999	Si
189	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
195	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	1625	5465	8821	SLV 1	0.47	1435	1.333	431169	144568	962923	SLV 13	0.57	2474	1.666	Si
28	1519	5465	8821	SLV 1	0.48	1492	1.354	431169	144568	962923	SLV 13	0.57	2474	1.666	Si
42	1405	5465	8821	SLV 1	0.49	1555	1.378	431169	144568	962923	SLV 13	0.57	2474	1.666	Si
56	1291	5465	8821	SLV 1	0.49	1620	1.401	524532	175065	962923	SLV 1	0.57	2474	1.666	Si
63	1233	5465	8821	SLV 1	0.5	1653	1.412	531655	204422	962923	SLV 1	0.57	2474	1.666	Si
77	1119	5465	8821	SLV 1	0.5	1720	1.436	544707	263709	962923	SLV 1	0.56	2360	1.634	Si
91	1005	5465	8821	SLV 1	0.51	1790	1.459	556167	323403	962923	SLV 1	0.45	1271	1.268	Si
104	890	5465	8821	SLV 1	0.52	1861	1.483	566034	383313	962923	SLV 1	0.38	774	1.035	Si
118	776	5465	8821	SLV 1	0.53	1933	1.506	574309	443351	1250379	SLV 1	0.54	2125	1.566	Si
132	661	5465	8821	SLV 1	0.53	2008	1.53	580991	503471	1361744	SLV 1	0.55	2222	1.595	Si
146	547	5465	8821	SLV 1	0.54	2084	1.553	586080	563649	1414576	SLV 1	0.52	1926	1.504	Si
160	433	5465	8821	SLV 1	0.55	2162	1.577	589519	622414	1414576	SLV 1	0.48	1461	1.343	Si
167	376	5465	8821	SLV 1	0.55	2202	1.589	589519	622414	1414576	SLV 1	0.48	1461	1.343	Si
181	261	-5465	-8821	SLV 15	0.57	2474	1.666	589519	622414	1414576	SLV 1	0.48	1461	1.343	Si
189	197	-5465	-8821	SLV 15	0.57	2474	1.666	589519	622414	1414576	SLV 1	0.48	1461	1.343	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	1625	1918	8821	SLD 1	0.5	1663	3.563	431169	63974	962923	SLD 13	0.6	2474	4.193	Si
28	1519	1918	8821	SLD 1	0.51	1728	3.619	440616	46060	962923	SLD 15	0.6	2474	4.193	Si
42	1405	1918	8821	SLD 1	0.51	1802	3.682	509091	51833	962923	SLD 1	0.6	2474	4.193	Si
56	1291	1918	8821	SLD 1	0.52	1877	3.744	524532	77220	962923	SLD 1	0.6	2474	4.193	Si
63	1233	1918	8821	SLD 1	0.52	1916	3.776	531655	90207	962923	SLD 1	0.6	2474	4.193	Si
77	1119	1918	8821	SLD 1	0.53	1994	3.838	544707	116430	962923	SLD 1	0.48	1479	3.396	Si
91	1005	1918	8821	SLD 1	0.54	2074	3.9	556167	142829	962923	SLD 1	0.38	810	2.653	Si
104	890	1918	8821	SLD 1	0.55	2156	3.963	566034	169321	962923	SLD 1	0.32	505	2.186	Si
118	776	1918	8821	SLD 1	0.55	2240	4.026	574309	195869	1250379	SLD 1	0.46	1331	3.252	Si
132	661	1918	8821	SLD 1	0.56	2327	4.089	580991	222452	1361744	SLD 1	0.47	1391	3.311	Si
146	547	1918	8821	SLD 1	0.57	2415	4.152	586080	249060	1414576	SLD 1	0.44	1207	3.124	Si
160	433	1918	8821	SLD 1	0.58	2474	4.193	589519	275043	1414576	SLD 1	0.4	919	2.794	Si
167	376	1918	8821	SLD 1	0.58	2474	4.193	589519	275043	1414576	SLD 1	0.4	919	2.794	Si
181	261	1918	9671	SLD 1	0.6	2474	4.193	589519	275043	1414576	SLD 1	0.4	919	2.794	Si
189	197	1918	9820	SLD 1	0.6	2474	4.193	589519	275043	1414576	SLD 1	0.4	919	2.794	Si

Campata 4 tra i fili 32 - 33, sezione R 40x70, asta 1186

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	645468	SLU 29	639240	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	630413	SLU 29	630402	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	630253	SLU 29	630253	1414576	0.086						Si
40	7.6	5.4	11.4	5.4	609908	SLU 29	630253	1414576	0.086						Si
59	7.6	5.4	11.4	5.4	583950	SLU 29	620092	1414576	0.086						Si
79	7.6	5.4	10.42	5.4	552541	SLU 29	596674	1297648	0.084						Si
89	7.6	5.4	9.75	5.4	534793	SLU 29	582920	1218323	0.083						Si
99	7.6	5.4	7.6	5.4	515681	SLU 29	567804	962923	0.078						Si
109	7.6	5.4	7.6	5.4	495207	SLU 29	551324	962923	0.078						Si
129	7.6	5.4	7.6	5.4	450169	SLU 29	514277	962923	0.078						Si
149	7.6	5.4	7.6	5.4	399794	SLU 30	471778	962923	0.078						Si
169	7.6	5.4	7.6	5.4	344344	SLU 30	423828	962923	0.078						Si
188	7.6	5.4	7.6	5.4	286359	SLU 21	370803	962923	0.078						Si
208	7.6	5.4	7.6	5.4	228224	SLU 21	312439	962923	0.078						Si
228	7.6	5.4	7.6	5.4	175234	SLU 22	255831	962923	0.078	75064	SLU 16	-29187	-962923	0.078	Si
238	11.48	5.4	7.6	5.4	150920	SLU 22	226113	963385	0.08	40884	SLU 16	-67519	-1423812	0.087	Si
258	13.35	5.4	7.6	5.4	98859	SLU 22	173567	963524	0.08	-31725	SLU 16	-109330	-1645687	0.091	Si
277	15.21	5.4	7.6	5.4	42705	SLU 22	124084	963633	0.08	-109330	SLU 16	-109330	-1865528	0.096	Si
278	15.21	5.4	7.6	5.4	42219	SLU 22	42212	963633	0.08	-110000	SLU 16	-110000	-1865528	0.096	Si
297	15.21	5.4	7.6	5.4						-193931	SLU 16	-150200	-1865528	0.096	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	1372115	SLV 13	1311374	1414576	0.086	-531938	SLV 3	-474550	-963377	0.08	Si
20	7.6	5.4	11.4	5.4	1249566	SLV 13	1249555	1414576	0.086	-420010	SLV 3	-420010	-963377	0.08	Si
20	7.6	5.4	11.4	5.4	1248511	SLV 13	1248511	1414576	0.086	-419095	SLV 3	-419095	-963377	0.08	Si
40	7.6	5.4	11.4	5.4	1123048	SLV 13	1248511	1414576	0.086	-312116	SLV 3	-419095	-963377	0.08	Si
59	7.6	5.4	11.4	5.4	992581	SLV 13	1182431	1414576	0.086	-208275	SLV 3	-361893	-963377	0.08	Si
79	7.6	5.4	10.42	5.4	858206	SLV 13	1053800	1297648	0.084	-108530	SLV 3	-256161	-963287	0.079	Si
89	7.6	5.4	9.75	5.4	789581	SLV 13	988007	1218323	0.083	-60221	SLV 3	-204820	-963216	0.079	Si
99	7.6	5.4	7.6	5.4	720028	SLV 13	921238	962923	0.078	-12985	SLV 3	-154502	-962923	0.078	Si
109	7.6	5.4	7.6	5.4	649599	SLV 13	853501	962923	0.078	33127	SLV 3	-105217	-962923	0.078	Si
129	7.6	5.4	7.6	5.4	506783	SLV 13	715199	962923	0.078	121306	SLV 3	-9823	-962923	0.078	Si
149	7.6	5.4	7.6	5.4	370033	SLV 15	573497	962923	0.078						Si
169	7.6	5.4	7.6	5.4	318275	SLV 7	431491	962923	0.078	176532	SLV 9	-32103	-962923	0.078	Si
188	7.6	5.4	7.6	5.4	374720	SLV 3	480106	962923	0.078	41441	SLV 13	-193742	-962923	0.078	Si
208	7.6	5.4	7.6	5.4	447349	SLV 3	547821	962923	0.078	-117837	SLV 13	-359837	-962923	0.078	Si
228	7.6	5.4	7.6	5.4	516782	SLV 3	611709	962923	0.078	-281921	SLV 13	-530106	-962923	0.078	Si
238	11.48	5.4	7.6	5.4	550106	SLV 3	642187	963385	0.08	-365573	SLV 13	-616776	-1423812	0.087	Si
258	13.35	5.4	7.6	5.4	613861	SLV 3	673203	963524	0.08	-535984	SLV 13	-709004	-1645687	0.091	Si
277	15.21	5.4	7.6	5.4	673203	SLV 3	673203	963633	0.08	-709004	SLV 13	-709004	-1865528	0.096	Si
278	15.21	5.4	7.6	5.4	673698	SLV 3	673689	963633	0.08	-710479	SLV 13	-710479	-1865528	0.096	Si
297	15.21	5.4	7.6	5.4	729584	SLV 3	702465	963633	0.08	-889020	SLV 13	-798060	-1865528	0.096	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	841356	SLD 13	813545	1414576	0.086	-1179	SLD 3	-1179	-963377	0.08	Si
20	7.6	5.4	11.4	5.4	784172	SLD 13	784163	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	783667	SLD 13	783667	1414576	0.086						Si
40	7.6	5.4	11.4	5.4	723001	SLD 13	783667	1414576	0.086						Si
59	7.6	5.4	11.4	5.4	657850	SLD 13	751953	1414576	0.086						Si
79	7.6	5.4	10.42	5.4	588739	SLD 13	688654	1297648	0.084						Si
89	7.6	5.4	9.75	5.4	552710	SLD 13	655515	1218323	0.083						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
99	7.6	5.4	7.6	5.4	515713	SLD 13	621385	962923	0.078						Si
109	7.6	5.4	7.6	5.4	477769	SLD 13	586269	962923	0.078						Si
129	7.6	5.4	7.6	5.4	399335	SLD 13	513111	962923	0.078						Si
149	7.6	5.4	7.6	5.4	321324	SLD 15	436213	962923	0.078						Si
169	7.6	5.4	7.6	5.4	278708	SLD 7	356935	962923	0.078						Si
188	7.6	5.4	7.6	5.4	281722	SLD 3	292188	962923	0.078	134439	SLD 13	-5825	-962923	0.078	Si
208	7.6	5.4	7.6	5.4	289720	SLD 3	294729	962923	0.078	39793	SLD 13	-106744	-962923	0.078	Si
228	7.6	5.4	7.6	5.4	294061	SLD 3	294778	962923	0.078	-59201	SLD 13	-211740	-962923	0.078	Si
238	11.48	5.4	7.6	5.4	294778	SLD 3	294778	963385	0.08	-110245	SLD 13	-265754	-1423812	0.087	Si
258	13.35	5.4	7.6	5.4	293257	SLD 3	294778	963524	0.08	-215380	SLD 13	-323626	-1645687	0.091	Si
277	15.21	5.4	7.6	5.4	287825	SLD 3	294447	963633	0.08	-323626	SLD 13	-323626	-1865528	0.096	Si
278	15.21	5.4	7.6	5.4	287770	SLD 3	287763	963633	0.08	-324552	SLD 13	-324552	-1865528	0.096	Si
297	15.21	5.4	7.6	5.4	278306	SLD 3	278306	963633	0.08	-437742	SLD 13	-379698	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.09	0	577	SLU 35	577	10003	68363	0	10003	1	Si
0	0	11.09	0	-689	SLU 2	-689	-10003	-68363	0	-10003	1	Si
20	0	9.75	0	268	SLU 26	268	9584	68363	0	9584	1	Si
20	0	9.75	0	-897	SLU 11	-897	-9584	-68363	0	-9584	1	Si
20	0.072	9.75	0	266	SLU 8	266	9584	68363	8336	9584	1	Si
20	0.072	9.75	0	-899	SLU 29	-899	-9584	-68363	-8336	-9584	1	Si
40	0.072	7.6	0	26	SLU 8	26	8821	68363	8336	8821	1	Si
40	0.072	7.6	0	-1171	SLU 29	-1171	-8821	-68363	-8336	-8821	1	Si
59	0.072	7.6	0	-1446	SLU 29	-1446	-8821	-68363	-8336	-8821	1	Si
79	0.072	7.6	0	-1721	SLU 29	-1721	-8821	-68363	-8336	-8821	1	Si
89	0.072	7.6	0	-1859	SLU 29	-1859	-8821	-68363	-8336	-8821	1	Si
109	0.086	7.6	0	-2133	SLU 29	-2133	-8821	-68363	-9933	-9933	1	Si
129	0.086	7.6	0	-2408	SLU 29	-2408	-8821	-68363	-9933	-9933	1	Si
149	0.086	7.6	0	-2683	SLU 29	-2683	-8821	-68363	-9933	-9933	1	Si
169	0.086	7.6	0	-2958	SLU 29	-2958	-8821	-68363	-9933	-9933	1	Si
188	0.086	7.6	0	-3233	SLU 29	-3233	-8821	-68363	-9933	-9933	1	Si
208	0.101	7.6	0	-3508	SLU 29	-3508	-8821	-68363	-11671	-11671	1	Si
228	0.101	7.6	0	-3812	SLU 34	-3812	-8821	-68363	-11671	-11671	1	Si
238	0.101	7.6	0	-3976	SLU 34	-3976	-8821	-68363	-11671	-11671	1	Si
258	0.101	7.6	0	-4303	SLU 34	-4303	-8821	-68363	-11671	-11671	1	Si
277	0.101	7.6	0	-4628	SLU 34	-4628	-8821	-68363	-11671	-11671	1	Si
278	0	7.6	0	-4631	SLU 34	-4631	-8821	-68363	0	-8821	1	Si
297	0	7.6	0	-4951	SLU 34	-4951	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5749	SLV 3	7287	8821	68363	0	8821	1	Si
0	0	11.09	0	-6083	SLV 13	-7621	-10003	-68363	0	-10003	1	Si
20	0	7.6	0	5547	SLV 3	7085	8821	68363	0	8821	1	Si
20	0	9.75	0	-6285	SLV 13	-7823	-9584	-68363	0	-9584	1	Si
20	0.072	7.6	0	5546	SLV 3	7084	8821	68363	8336	8821	1	Si
20	0.072	9.75	0	-6286	SLV 13	-7824	-9584	-68363	-8336	-9584	1	Si
40	0.072	7.6	0	5345	SLV 3	6884	8821	68363	8336	8821	1	Si
40	0.072	7.6	0	-6486	SLV 13	-8024	-8821	-68363	-8336	-8821	1	Si
59	0.072	7.6	0	5144	SLV 3	6682	8821	68363	8336	8821	1	Si
59	0.072	7.6	0	-6688	SLV 13	-8226	-8821	-68363	-8336	-8821	1	Si
79	0.072	7.6	0	4942	SLV 3	6480	8821	68363	8336	8821	1	Si
79	0.072	7.6	0	-6890	SLV 13	-8428	-8821	-68363	-8336	-8821	1	Si
89	0.072	7.6	0	4841	SLV 3	6379	8821	68363	8336	8821	1	Si
89	0.072	7.6	0	-6991	SLV 13	-8529	-8821	-68363	-8336	-8821	1	Si
109	0.086	7.6	0	4639	SLV 3	6177	8821	68363	9933	9933	1	Si
109	0.086	7.6	0	-7192	SLV 13	-8731	-8821	-68363	-9933	-9933	1	Si
129	0.086	7.6	0	4438	SLV 3	5976	8821	68363	9933	9933	1	Si
129	0.086	7.6	0	-7394	SLV 13	-8932	-8821	-68363	-9933	-9933	1	Si
149	0.086	7.6	0	4236	SLV 3	5774	8821	68363	9933	9933	1	Si
149	0.086	7.6	0	-7596	SLV 13	-9134	-8821	-68363	-9933	-9933	1	Si
169	0.086	7.6	0	4034	SLV 3	5572	8821	68363	9933	9933	1	Si
169	0.086	7.6	0	-7798	SLV 13	-9336	-8821	-68363	-9933	-9933	1	Si
188	0.086	7.6	0	3832	SLV 3	5370	8821	68363	9933	9933	1	Si
188	0.086	7.6	0	-7999	SLV 13	-9538	-8821	-68363	-9933	-9933	1	Si
208	0.101	7.6	0	3631	SLV 3	5169	8821	68363	11671	11671	1	Si
208	0.101	7.6	0	-8201	SLV 13	-9739	-8821	-68363	-11671	-11671	1	Si
228	0.101	7.6	0	3429	SLV 3	4967	8821	68363	11671	11671	1	Si
228	0.101	7.6	0	-8403	SLV 13	-9941	-8821	-68363	-11671	-11671	1	Si
238	0.101	7.6	0	3328	SLV 3	4866	8821	68363	11671	11671	1	Si
238	0.101	7.6	0	-8504	SLV 13	-10042	-8821	-68363	-11671	-11671	1	Si
258	0.101	7.6	0	3126	SLV 3	4664	8821	68363	11671	11671	1	Si
258	0.101	7.6	0	-8706	SLV 13	-10244	-8821	-68363	-11671	-11671	1	Si
277	0.101	7.6	0	2926	SLV 3	4464	8821	68363	11671	11671	1	Si
277	0.101	7.6	0	-8906	SLV 13	-10444	-8821	-68363	-11671	-11671	1	Si
278	0	7.6	0	2924	SLV 3	4463	8821	68363	0	8821	1	Si
278	0	7.6	0	-8907	SLV 13	-10445	-8821	-68363	0	-8821	1	Si
297	0	7.6	0	2726	SLV 3	4264	8821	68363	0	8821	1	Si
297	0	7.6	0	-9106	SLV 13	-10644	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2451	SLD 3	2451	8821	68363	0	8821	1	Si
0	0	11.09	0	-2784	SLD 13	-2784	-10003	-68363	0	-10003	1	Si
20	0	9.75	0	2249	SLD 3	2249	9584	68363	0	9584	1	Si
20	0	9.75	0	-2986	SLD 13	-2986	-9584	-68363	0	-9584	1	Si
20	0.072	9.75	0	2247	SLD 3	2247	9584	68363	8336	9584	1	Si
20	0.072	9.75	0	-2988	SLD 13	-2988	-9584	-68363	-8336	-9584	1	Si
40	0.072	7.6	0	2047	SLD 3	2047	8821	68363	8336	8821	1	Si
40	0.072	7.6	0	-3188	SLD 13	-3188	-8821	-68363	-8336	-8821	1	Si
59	0.072	7.6	0	1845	SLD 3	1845	8821	68363	8336	8821	1	Si
59	0.072	7.6	0	-3390	SLD 13	-3390	-8821	-68363	-8336	-8821	1	Si
79	0.072	7.6	0	1644	SLD 3	1644	8821	68363	8336	8821	1	Si
79	0.072	7.6	0	-3591	SLD 13	-3591	-8821	-68363	-8336	-8821	1	Si
89	0.072	7.6	0	1543	SLD 3	1543	8821	68363	8336	8821	1	Si
89	0.072	7.6	0	-3692	SLD 13	-3692	-8821	-68363	-8336	-8821	1	Si
109	0.086	7.6	0	1341	SLD 3	1341	8821	68363	9933	9933	1	Si
109	0.086	7.6	0	-3894	SLD 13	-3894	-8821	-68363	-9933	-9933	1	Si
129	0.086	7.6	0	1139	SLD 3	1139	8821	68363	9933	9933	1	Si
129	0.086	7.6	0	-4096	SLD 13	-4096	-8821	-68363	-9933	-9933	1	Si
149	0.086	7.6	0	937	SLD 3	937	8821	68363	9933	9933	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
149	0.086	7.6	0	-4298	SLD 13	-4298	-8821	-68363	-9933	-9933	1	Si
169	0.086	7.6	0	736	SLD 3	736	8821	68363	9933	9933	1	Si
169	0.086	7.6	0	-4499	SLD 13	-4499	-8821	-68363	-9933	-9933	1	Si
188	0.086	7.6	0	534	SLD 3	534	8821	68363	9933	9933	1	Si
188	0.086	7.6	0	-4701	SLD 13	-4701	-8821	-68363	-9933	-9933	1	Si
208	0.101	7.6	0	332	SLD 3	332	8821	68363	11671	11671	1	Si
208	0.101	7.6	0	-4903	SLD 13	-4903	-8821	-68363	-11671	-11671	1	Si
228	0.101	7.6	0	130	SLD 3	130	8821	68363	11671	11671	1	Si
228	0.101	7.6	0	-5105	SLD 13	-5105	-8821	-68363	-11671	-11671	1	Si
238	0.101	7.6	0	30	SLD 3	30	8821	68363	11671	11671	1	Si
238	0.101	7.6	0	-5205	SLD 13	-5205	-8821	-68363	-11671	-11671	1	Si
258	0.101	7.6	0	-5407	SLD 13	-5407	-8821	-68363	-11671	-11671	1	Si
277	0.101	7.6	0	-5607	SLD 13	-5607	-8821	-68363	-11671	-11671	1	Si
278	0	7.6	0	-5609	SLD 13	-5609	-8821	-68363	0	-8821	1	Si
297	0	7.6	0	-5808	SLD 13	-5808	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	470270	2	466303	18	124.5	696.7	1837	420089	2	418412	16.2	93.4	0	+∞	Si
20	460418	2	460410	17.8	124.5	687.9	1837	414778	2	414770	16	93.4	0	+∞	Si
20	460310	2	460310	17.8	124.5	687.7	1837	414708	2	414708	16	93.4	0	+∞	Si
40	446566	2	460310	17.8	124.5	687.7	1837	405466	2	414708	16	93.4	0	+∞	Si
59	428711	2	453483	17.5	124.5	677.5	1837	392153	2	410269	15.8	93.4	0	+∞	Si
79	406856	2	437492	17.5	124.5	713	1837	374838	2	398819	15.9	93.4	0	+∞	Si
89	394427	2	427996	17.5	124.5	743.6	1837	364680	2	391594	16	93.4	0	+∞	Si
109	366569	2	406003	10.6	124.5	158.7	1837	341363	2	374142	16.8	93.4	0	+∞	Si
129	334710	2	380009	9.9	124.5	148.5	1837	314045	2	352688	15.8	93.4	0	+∞	Si
149	298925	3	350013	9.1	124.5	136.8	1837	282725	2	327233	14.7	93.4	0	+∞	Si
169	259390	3	316016	8.2	124.5	123.5	1837	247403	2	297777	13.4	93.4	0	+∞	Si
188	215852	3	278268	7.3	124.5	108.8	1837	208081	2	264319	11.9	93.4	0	+∞	Si
208	168314	3	236594	6.2	124.5	92.5	1837	164756	2	226860	10.2	93.4	0	+∞	Si
228	123255	4	190919	5	124.5	74.6	1837	120490	1	185399	8.3	93.4	0	+∞	Si
238	101824	4	166581	4.1	124.5	63.8	1837	98732	1	163168	6.9	93.4	0	+∞	Si
258	55961	4	121786	2.9	124.5	46.2	1837	52215	1	118998	4.9	93.4	0	+∞	Si
277	6523	4	78180	1.8	124.5	29.4	1837	2130	1	74744	3	93.4	0	+∞	Si
277	-49946	7	-49946	1.7	124.5	56.6	1837	-17900	2	-17900	0.6	93.4	0	+∞	Si
278	6096	4	6089	0.1	124.5	2.3	1837	1697	1	1691	0.1	93.4	0	+∞	Si
278	-50490	7	-50490	1.8	124.5	57.2	1837	-18391	2	-18391	0.6	93.4	0	+∞	Si
297	-118832	7	-83203	2.9	124.5	94.3	1837	-79718	2	-47798	1.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.006	2	9999	Si
20	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.006	2	0.006	2	9999	Si
40	0.005	0.004	0.005	0.004	0.005	0.004	0.005	0.004	0.005	0.004	0.011	2	0.01	2	9999	Si
59	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.015	2	0.014	2	9999	Si
79	0.009	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.018	2	0.016	2	9999	Si
89	0.009	0.007	0.008	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.019	2	0.017	2	9999	Si
109	0.01	0.008	0.009	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.021	2	0.019	2	9999	Si
129	0.01	0.008	0.009	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.021	2	0.019	2	9999	Si
149	0.01	0.008	0.009	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.021	2	0.019	2	9999	Si
169	0.009	0.008	0.008	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.02	2	0.018	2	9999	Si
188	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.018	2	0.016	2	9999	Si
208	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.015	2	0.014	2	9999	Si
228	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
238	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.011	2	0.01	2	9999	Si
258	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
277	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.004	2	0.003	2	9999	Si
278	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.004	2	0.003	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-370	7454	8821	SLV 3	0.44	1206	1.241	414708	833803	1414576	SLV 13	0.43	1120	1.204	Si
40	-570	-7454	-8821	SLV 13	0.4	911	1.106	414708	833803	1414576	SLV 13	0.43	1120	1.204	Si
59	-772	-7454	-8821	SLV 13	0.39	858	1.079	410269	772162	1414576	SLV 13	0.47	1389	1.315	Si
79	-974	-7454	-8821	SLV 13	0.38	806	1.052	398819	654981	1297648	SLV 13	0.49	1602	1.394	Si
89	-1075	-7454	-8821	SLV 13	0.38	781	1.039	391594	596414	1218323	SLV 13	0.5	1646	1.41	Si
109	-1277	-7454	-9933	SLV 13	0.42	1029	1.163	374142	479359	962923	SLV 13	0.44	1194	1.236	Si
129	-1478	-7454	-9933	SLV 13	0.41	967	1.134	352688	362511	962923	SLV 13	0.57	2474	1.666	Si
149	-1680	-7454	-9933	SLV 13	0.4	912	1.107	327233	246263	962923	SLV 13	0.57	2474	1.666	Si
169	-1882	-7454	-9933	SLV 13	0.39	859	1.08	188370	220473	962923	SLV 3	0.57	2474	1.666	Si
188	-2084	-7454	-9933	SLV 13	0.38	807	1.053	143182	336924	962923	SLV 3	0.57	2474	1.666	Si
208	-2285	-7454	-11671	SLV 13	0.45	1275	1.27	93992	453829	962923	SLV 3	0.57	2474	1.666	Si
228	-2487	-7454	-11671	SLV 13	0.44	1204	1.24	40802	570907	962923	SLV 3	0.57	2474	1.666	Si
238	-2588	-7454	-11671	SLV 13	0.44	1169	1.225	12706	629481	963385	SLV 3	0.54	2070	1.549	Si
258	-2790	-7454	-11671	SLV 13	0.43	1101	1.196	-17900	691104	963524	SLV 3	0.51	1756	1.448	Si
277	-2990	-7454	-11671	SLV 13	0.42	1037	1.167	-17900	691104	963633	SLV 3	0.51	1757	1.448	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-370	-2618	-9584	SLD 13	0.47	1401	3.321	414708	368958	1414576	SLD 13	0.37	717	2.523	Si
40	-570	-2618	-8821	SLD 13	0.42	1045	2.945	414708	368958	1414576	SLD 13	0.37	717	2.523	Si
59	-772	-2618	-8821	SLD 13	0.41	977	2.865	410269	341684	1414576	SLD 13	0.39	875	2.738	Si
79	-974	-2618	-8821	SLD 13	0.4	918	2.792	398819	289835	1297648	SLD 13	0.42	999	2.891	Si
89	-1075	-2618	-8821	SLD 13	0.4	890	2.757	391594	263921	1218323	SLD 13	0.42	1027	2.924	Si
109	-1277	-2618	-9933	SLD 13	0.44	1189	3.105	374142	212127	962923	SLD 13	0.37	761	2.586	Si
129	-1478	-2618	-9933	SLD 13	0.43	1117	3.026	352688	160423	962923	SLD 13	0.5	1725	3.617	Si
149	-1680	-2618	-9933	SLD 13	0.42	1045	2.945	327233	108980	962923	SLD 13	0.6	2474	4.193	Si
169	-1882	-2618	-9933	SLD 13	0.41	978	2.866	188370	97471	962923	SLD 3	0.6	2474	4.193	Si
188	-2084	-2618	-9933	SLD 13	0.4	918	2.792	143182	149006	962923	SLD 3	0.6	2474	4.193	Si
208	-2285	-2618	-11671	SLD 13	0.48	1472	3.389	93992	200737	962923	SLD 3	0.57	2437	4.167	Si
228	-2487	-2618	-11671	SLD 13	0.47	1390	3.31	40802	-252542	-962923	SLD 13	0.53	1939	3.794	Si
238	-2588	-2618	-11671	SLD 13	0.46	1349	3.27	92267	202511	963385	SLD 3	0.57	2397	4.139	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
258	-2790	-2618	-11671	SLD 13	0.45	1272	3.192	-17900	305725	963524	SLD 3	0.43	1097	3.004	Si
277	-2990	-2618	-11671	SLD 13	0.44	1197	3.113	-17900	305725	963633	SLD 3	0.43	1099	3.006	Si

Campata 5 tra i fili 33 - ?, sezione R 40x70, asta 1185

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-186711	SLU 16	-148447	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	55447	SLU 22	139282	963633	0.08	-111575	SLU 16	-111575	-1865528	0.096	Si
56	11.78	5.4	8.7	5.4	159612	SLU 22	231920	1093908	0.081	15600	SLU 16	-84287	-1459163	0.087	Si
113	7.6	5.4	7.6	5.4	291751	SLU 22	350912	962923	0.078						Si
169	7.6	5.4	7.6	5.4	414098	SLU 35	470610	962923	0.078						Si
225	7.6	5.4	7.6	5.4	513303	SLU 35	547132	962923	0.078						Si
254	7.6	5.4	7.6	5.4	546422	SLU 35	568909	962923	0.078						Si
310	7.6	5.4	7.6	5.4	579691	SLU 35	579841	962923	0.078						Si
366	7.6	5.4	7.6	5.4	569002	SLU 35	579841	962923	0.078						Si
423	7.6	5.4	7.6	5.4	514355	SLU 35	547874	962923	0.078						Si
479	7.6	5.4	7.6	5.4	415751	SLU 35	471953	962923	0.078						Si
535	7.6	5.4	7.6	5.4	273189	SLU 35	352074	962923	0.078						Si
592	7.6	5.4	7.6	5.4	86668	SLU 35	188238	962923	0.078	28680	SLU 2	-60748	-962923	0.078	Si
648	7.6	5.4	7.6	5.4						-156185	SLU 20	-282717	-962923	0.078	Si
676	7.6	5.4	7.6	5.4						-278169	SLU 34	-424957	-962923	0.078	Si
732	11.4	5.4	7.6	5.4						-572937	SLU 36	-742417	-1414575	0.086	Si
761	11.4	5.4	7.6	5.4						-736810	SLU 36	-918305	-1414576	0.086	Si
789	15.58	5.4	7.6	5.4						-912318	SLU 35	-1105327	-1910090	0.097	Si
825	19.01	5.4	7.6	5.4						-1156298	SLU 35	-1156298	-2315301	0.107	Si
845	19.01	5.4	7.6	5.4						-1296648	SLU 35	-1225653	-2315301	0.107	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	670752	SLV 15	670752	963633	0.08	-785660	SLV 1	-739792	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	688405	SLV 15	708745	963633	0.08	-694990	SLV 1	-694990	-1865528	0.096	Si
56	11.78	5.4	8.7	5.4	713308	SLV 15	723942	1093908	0.081	-537444	SLV 1	-662062	-1459163	0.087	Si
113	7.6	5.4	7.6	5.4	727192	SLV 15	727192	962923	0.078	-317910	SLV 1	-427727	-962923	0.078	Si
169	7.6	5.4	7.6	5.4	712407	SLV 15	723505	962923	0.078	-127060	SLV 1	-222074	-962923	0.078	Si
225	7.6	5.4	7.6	5.4	668960	SLV 15	694847	962923	0.078	35097	SLV 1	-45109	-962923	0.078	Si
254	7.6	5.4	7.6	5.4	636493	SLV 15	669771	962923	0.078						Si
310	7.6	5.4	7.6	5.4	550107	SLV 15	598142	962923	0.078						Si
366	7.6	5.4	7.6	5.4	454547	SLV 11	498959	962923	0.078						Si
423	7.6	5.4	7.6	5.4	394108	SLV 3	409201	962923	0.078						Si
479	7.6	5.4	7.6	5.4	411229	SLV 1	416577	962923	0.078						Si
535	7.6	5.4	7.6	5.4	415081	SLV 1	416577	962923	0.078	-83310	SLV 15	-198393	-962923	0.078	Si
592	7.6	5.4	7.6	5.4	390758	SLV 1	406765	962923	0.078	-313075	SLV 15	-443000	-962923	0.078	Si
648	7.6	5.4	7.6	5.4	337825	SLV 1	368606	962923	0.078	-571583	SLV 15	-716321	-962923	0.078	Si
676	7.6	5.4	7.6	5.4	300614	SLV 1	338788	962923	0.078	-711600	SLV 15	-863741	-962923	0.078	Si
732	11.4	5.4	7.6	5.4	204696	SLV 1	257661	963377	0.08	-1013153	SLV 15	-1180096	-1414575	0.086	Si
761	11.4	5.4	7.6	5.4	145986	SLV 1	206349	963377	0.08	-1174686	SLV 15	-1349030	-1414576	0.086	Si
789	15.58	5.4	7.6	5.4	80108	SLV 1	147869	963653	0.08	-1343390	SLV 15	-1525134	-1910090	0.097	Si
825	19.01	5.4	7.6	5.4	-16195	SLV 1	61272	963795	0.081	-1572337	SLV 15	-1572337	-2315301	0.107	Si
845	19.01	5.4	7.6	5.4						-1702309	SLV 15	-1636790	-2315301	0.107	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	264670	SLD 15	264670	963633	0.08	-379578	SLD 1	-343889	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	302682	SLD 15	352611	963633	0.08	-309267	SLD 1	-309267	-1865528	0.096	Si
56	11.78	5.4	8.7	5.4	364567	SLD 15	404790	1093908	0.081	-188703	SLD 1	-283732	-1459163	0.087	Si
113	7.6	5.4	7.6	5.4	435789	SLD 15	461215	962923	0.078	-26507	SLD 1	-106736	-962923	0.078	Si
169	7.6	5.4	7.6	5.4	478338	SLD 15	488968	962923	0.078						Si
225	7.6	5.4	7.6	5.4	492216	SLD 15	492216	962923	0.078						Si
254	7.6	5.4	7.6	5.4	488407	SLD 15	492216	962923	0.078						Si
310	7.6	5.4	7.6	5.4	459303	SLD 15	477785	962923	0.078						Si
366	7.6	5.4	7.6	5.4	410170	SLD 11	435305	962923	0.078						Si
423	7.6	5.4	7.6	5.4	360568	SLD 3	380974	962923	0.078						Si
479	7.6	5.4	7.6	5.4	329281	SLD 1	347422	962923	0.078						Si
535	7.6	5.4	7.6	5.4	276133	SLD 1	306959	962923	0.078	55637	SLD 15	-29895	-962923	0.078	Si
592	7.6	5.4	7.6	5.4	194530	SLD 1	240104	962923	0.078	-116847	SLD 15	-217197	-962923	0.078	Si
648	7.6	5.4	7.6	5.4	84280	SLD 1	144641	962923	0.078	-318038	SLD 15	-433193	-962923	0.078	Si
676	7.6	5.4	7.6	5.4	18406	SLD 1	86163	962923	0.078	-429392	SLD 15	-551947	-962923	0.078	Si
732	11.4	5.4	7.6	5.4						-673611	SLD 15	-810966	-1414575	0.086	Si
761	11.4	5.4	7.6	5.4						-806475	SLD 15	-951230	-1414576	0.086	Si
789	15.58	5.4	7.6	5.4						-946510	SLD 15	-1098664	-1910090	0.097	Si
825	19.01	5.4	7.6	5.4						-1138473	SLD 15	-1138473	-2315301	0.107	Si
845	19.01	5.4	7.6	5.4						-1248087	SLD 15	-1192747	-2315301	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.78	0	4524	SLU 34	4524	10207	68363	0	10207	1	Si
20	0.061	7.6	0	4247	SLU 34	4247	8821	68363	7104	8821	1	Si
56	0.061	7.6	0	3744	SLU 34	3744	8821	68363	7104	8821	1	Si
113	0.061	7.6	0	2963	SLU 34	2963	8821	68363	7104	8821	1	Si
169	0.061	7.6	0	2183	SLU 34	2183	8821	68363	7104	8821	1	Si
225	0.061	7.6	0	1403	SLU 34	1403	8821	68363	7104	8821	1	Si
254	0.061	7.6	0	1012	SLU 34	1012	8821	68363	7104	8821	1	Si
310	0.061	7.6	0	281	SLU 16	281	8821	68363	7104	8821	1	Si
310	0.061	7.6	0	-72	SLU 22	-72	-8821	-68363	-7104	-8821	1	Si
366	0.061	7.6	0	-676	SLU 22	-676	-8821	-68363	-7104	-8821	1	Si
423	0.061	7.6	0	-1360	SLU 35	-1360	-8821	-68363	-7104	-8821	1	Si
479	0.061	7.6	0	-2141	SLU 35	-2141	-8821	-68363	-7104	-8821	1	Si
535	0.061	7.6	0	-2921	SLU 35	-2921	-8821	-68363	-7104	-8821	1	Si
592	0.061	7.6	0	-3701	SLU 35	-3701	-8821	-68363	-7104	-8821	1	Si
648	0.061	7.6	0	-4481	SLU 35	-4481	-8821	-68363	-7104	-8821	1	Si
676	0.061	7.6	0	-4872	SLU 35	-4872	-8821	-68363	-7104	-8821	1	Si
732	0.061	7.6	0	-5652	SLU 35	-5652	-8821	-68363	-7104	-8821	1	Si
789	0.061	11.4	0	-6432	SLU 35	-6432	-10097	-68363	-7104	-10097	1	Si
825	0.061	11.4	0	-6936	SLU 35	-6936	-10097	-68363	-7104	-10097	1	Si
845	0	15.58	0	-7213	SLU 35	-7213	-11204	-68363	0	-11204	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.78	0	4661	SLV 1	5135	10207	68363	0	10207	1	Si
20	0.061	7.6	0	4480	SLV 1	4955	8821	68363	7104	8821	1	Si
56	0.061	7.6	0	4152	SLV 1	4627	8821	68363	7104	8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
113	0.061	7.6	0	3643	SLV 1	4117	8821	68363	7104	8821	1	Si
113	0.061	7.6	0	-8	SLV 15	-483	-8821	-68363	-7104	-8821	1	Si
169	0.061	7.6	0	3134	SLV 1	3608	8821	68363	7104	8821	1	Si
169	0.061	7.6	0	-517	SLV 15	-992	-8821	-68363	-7104	-8821	1	Si
225	0.061	7.6	0	2625	SLV 1	3099	8821	68363	7104	8821	1	Si
225	0.061	7.6	0	-1026	SLV 15	-1501	-8821	-68363	-7104	-8821	1	Si
254	0.061	7.6	0	2370	SLV 1	2845	8821	68363	7104	8821	1	Si
254	0.061	7.6	0	-1281	SLV 15	-1756	-8821	-68363	-7104	-8821	1	Si
310	0.061	7.6	0	1861	SLV 1	2336	8821	68363	7104	8821	1	Si
310	0.061	7.6	0	-1790	SLV 15	-2265	-8821	-68363	-7104	-8821	1	Si
366	0.061	7.6	0	1352	SLV 1	1827	8821	68363	7104	8821	1	Si
366	0.061	7.6	0	-2299	SLV 15	-2774	-8821	-68363	-7104	-8821	1	Si
423	0.061	7.6	0	843	SLV 1	1318	8821	68363	7104	8821	1	Si
423	0.061	7.6	0	-2808	SLV 15	-3283	-8821	-68363	-7104	-8821	1	Si
479	0.061	7.6	0	334	SLV 1	809	8821	68363	7104	8821	1	Si
479	0.061	7.6	0	-3317	SLV 15	-3792	-8821	-68363	-7104	-8821	1	Si
535	0.061	7.6	0	-175	SLV 1	300	8821	68363	7104	8821	1	Si
535	0.061	7.6	0	-3826	SLV 15	-4301	-8821	-68363	-7104	-8821	1	Si
592	0.061	7.6	0	-4335	SLV 15	-4810	-8821	-68363	-7104	-8821	1	Si
648	0.061	7.6	0	-4844	SLV 15	-5319	-8821	-68363	-7104	-8821	1	Si
676	0.061	7.6	0	-5099	SLV 15	-5574	-8821	-68363	-7104	-8821	1	Si
732	0.061	7.6	0	-5608	SLV 15	-6083	-8821	-68363	-7104	-8821	1	Si
789	0.061	11.4	0	-6117	SLV 15	-6592	-10097	-68363	-7104	-10097	1	Si
825	0.061	11.4	0	-6445	SLV 15	-6920	-10097	-68363	-7104	-10097	1	Si
845	0	15.58	0	-6626	SLV 15	-7101	-11204	-68363	0	-11204	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.78	0	3643	SLD 1	3643	10207	68363	0	10207	1	Si
20	0.061	7.6	0	3462	SLD 1	3462	8821	68363	7104	8821	1	Si
56	0.061	7.6	0	3134	SLD 1	3134	8821	68363	7104	8821	1	Si
113	0.061	7.6	0	2625	SLD 1	2625	8821	68363	7104	8821	1	Si
169	0.061	7.6	0	2116	SLD 1	2116	8821	68363	7104	8821	1	Si
225	0.061	7.6	0	1607	SLD 1	1607	8821	68363	7104	8821	1	Si
225	0.061	7.6	0	-8	SLD 15	-8	-8821	-68363	-7104	-8821	1	Si
254	0.061	7.6	0	1352	SLD 1	1352	8821	68363	7104	8821	1	Si
254	0.061	7.6	0	-263	SLD 15	-263	-8821	-68363	-7104	-8821	1	Si
310	0.061	7.6	0	843	SLD 1	843	8821	68363	7104	8821	1	Si
310	0.061	7.6	0	-772	SLD 15	-772	-8821	-68363	-7104	-8821	1	Si
366	0.061	7.6	0	334	SLD 1	334	8821	68363	7104	8821	1	Si
366	0.061	7.6	0	-1281	SLD 15	-1281	-8821	-68363	-7104	-8821	1	Si
423	0.061	7.6	0	-1790	SLD 15	-1790	-8821	-68363	-7104	-8821	1	Si
479	0.061	7.6	0	-2299	SLD 15	-2299	-8821	-68363	-7104	-8821	1	Si
535	0.061	7.6	0	-2808	SLD 15	-2808	-8821	-68363	-7104	-8821	1	Si
592	0.061	7.6	0	-3317	SLD 15	-3317	-8821	-68363	-7104	-8821	1	Si
648	0.061	7.6	0	-3826	SLD 15	-3826	-8821	-68363	-7104	-8821	1	Si
676	0.061	7.6	0	-4081	SLD 15	-4081	-8821	-68363	-7104	-8821	1	Si
732	0.061	7.6	0	-4590	SLD 15	-4590	-8821	-68363	-7104	-8821	1	Si
789	0.061	11.4	0	-5099	SLD 15	-5099	-10097	-68363	-7104	-10097	1	Si
825	0.061	11.4	0	-5427	SLD 15	-5427	-10097	-68363	-7104	-10097	1	Si
845	0	15.58	0	-5608	SLD 15	-5608	-11204	-68363	0	-11204	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-107399	7	-75397	2.6	124.5	85.5	1837	-57454	2	-29838	1	93.4	0	+∞	Si
20	11430	4	84248	2	124.5	31.7	1837	9107	1	82028	3.3	93.4	0	+∞	Si
20	-44598	7	-44598	1.6	124.5	50.5	1837	-3293	2	-3293	0.1	93.4	0	+∞	Si
56	101923	4	165033	6.6	124.5	319.2	1837	99728	1	162941	6.5	93.4	0	+∞	Si
113	217497	4	268758	7	124.5	105	1837	215501	1	263916	11.8	93.4	0	+∞	Si
169	314750	8	355206	9.3	124.5	138.8	1837	302598	1	336214	15.1	93.4	0	+∞	Si
225	385582	8	409386	10.7	124.5	160	1837	361017	1	379835	17	93.4	0	+∞	Si
254	408897	8	424377	11.1	124.5	165.9	1837	379473	1	390892	17.5	93.4	0	+∞	Si
310	431328	8	431328	11.2	124.5	168.6	1837	394878	1	394878	17.7	93.4	0	+∞	Si
366	421492	8	430472	11.2	124.5	168.3	1837	381605	1	391924	17.6	93.4	0	+∞	Si
423	379389	8	405020	10.6	124.5	158.3	1837	339656	1	364773	16.4	93.4	0	+∞	Si
479	305019	8	347300	9	124.5	135.7	1837	269030	1	308945	13.9	93.4	0	+∞	Si
535	198381	8	257314	6.7	124.5	100.6	1837	169727	1	224440	10.1	93.4	0	+∞	Si
592	59477	8	135060	3.5	124.5	52.8	1837	41747	1	111259	5	93.4	0	+∞	Si
648	-118192	2	-214511	5.6	124.5	83.8	1837	-116879	2	-208565	9.4	93.4	0	+∞	Si
676	-211139	7	-319972	8.3	124.5	125.1	1837	-205493	2	-304578	13.7	93.4	0	+∞	Si
732	-429613	9	-555103	21.4	124.5	829.3	1837	-404229	2	-518112	20	93.4	0	+∞	Si
789	-680792	8	-823496	28.6	124.5	911.7	1837	-632011	1	-761175	26.4	93.4	0	+∞	Si
825	-861168	8	-861168	28	124.5	788.6	1837	-795239	1	-795239	25.8	93.4	0	+∞	Si
845	-964898	8	-912431	29.7	124.5	835.5	1837	-889035	1	-841602	27.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.013	1	0.013	1	9999	Si
56	0.017	0.015	0.015	0.013	0.016	0.015	0.014	0.013	0.016	0.015	0.036	1	0.035	1	9999	Si
113	0.033	0.029	0.029	0.026	0.031	0.029	0.027	0.026	0.031	0.03	0.071	1	0.069	1	9999	Si
169	0.047	0.041	0.042	0.037	0.043	0.042	0.038	0.037	0.043	0.042	0.1	1	0.097	1	8428	Si
225	0.058	0.05	0.051	0.045	0.053	0.051	0.047	0.046	0.053	0.051	0.123	1	0.119	1	6881	Si
254	0.062	0.054	0.055	0.048	0.056	0.055	0.05	0.049	0.056	0.055	0.131	1	0.127	1	6449	Si
310	0.067	0.058	0.059	0.052	0.061	0.059	0.054	0.052	0.061	0.059	0.141	1	0.137	1	5998	Si
338	0.068	0.059	0.06	0.052	0.061	0.059	0.055	0.053	0.061	0.06	0.142	1	0.139	1	5933	Si
366	0.067	0.058	0.06	0.052	0.061	0.059	0.054	0.053	0.061	0.059	0.142	1	0.138	1	5963	Si
423	0.064	0.055	0.057	0.049	0.058	0.056	0.051	0.05	0.058	0.056	0.134	1	0.13	1	6315	Si
479	0.057	0.049	0.05	0.043	0.051	0.049	0.045	0.044	0.051	0.05	0.118	1	0.115	1	7152	Si
535	0.047	0.04	0.041	0.035	0.042	0.04	0.037	0.035	0.042	0.041	0.096	1	0.093	1	8770	Si
592	0.035	0.029	0.031	0.025	0.031	0.03	0.027	0.026	0.031	0.03	0.071	1	0.068	1	9999	Si
648	0.023	0.018	0.019	0.015	0.019	0.018	0.017	0.016	0.019	0.019	0.044	1	0.042	1	9999	Si
676	0.017	0.013	0.014	0.011	0.014	0.013	0.012	0.011	0.014	0.013	0.032	1	0.03	1	9999	Si
732	0.006	0.004	0.005	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.011	1	0.01	1	9999	Si
789	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
825	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	2655	2300	8821	SLV 1	0.57	2474	1.666	-3293	691698	963633	SLV 15	0.5	1684	1.423	Si
56	2326	2300	8821	SLV 1	0.57	2474	1.666	16377	678439	1093908	SLV 15	0.56	2369	1.637	Si
113	1817	2300	8821	SLV 1	0.57	2474	1.666	204641	522551	962923	SLV 15	0.52	1860	1.482	Si
169	1308	2300	8821	SLV 1	0.57	2474	1.666	250715	472790	962923	SLV 15	0.54	2056	1.545	Si
225	799	2300	8821	SLV 1	0.57	2474	1.666	324869	369978	962923	SLV 15	0.57	2474	1.666	Si
254	545	2300	8821	SLV 1	0.57	2474	1.666	351192	318579	962923	SLV 15	0.57	2474	1.666	Si
310	36	2300	8821	SLV 1	0.57	2474	1.666	382330	215812	962923	SLV 15	0.57	2474	1.666	Si
366	-474	-2300	-8821	SLV 15	0.57	2474	1.666	384792	114167	962923	SLV 11	0.57	2474	1.666	Si
423	-983	-2300	-8821	SLV 15	0.57	2474	1.666	302682	100130	962923	SLV 3	0.57	2474	1.666	Si
479	-1492	-2300	-8821	SLV 15	0.57	2474	1.666	218653	197923	962923	SLV 1	0.57	2474	1.666	Si
535	-2001	-2300	-8821	SLV 15	0.57	2474	1.666	103796	302189	962923	SLV 1	0.57	2474	1.666	Si
592	-2510	-2300	-8821	SLV 15	0.57	2474	1.666	-38046	-404954	-962923	SLV 15	0.57	2474	1.666	Si
648	-3019	-2300	-8821	SLV 15	0.57	2474	1.666	-208565	-507756	-962923	SLV 15	0.53	1982	1.522	Si
676	-3273	-2300	-8821	SLV 15	0.57	2474	1.666	-304578	-559163	-962923	SLV 15	0.43	1067	1.18	Si
732	-3782	-2300	-8821	SLV 15	0.57	2474	1.666	-518112	-661985	-1414575	SLV 15	0.49	1547	1.375	Si
789	-4291	-2300	-10097	SLV 15	0.57	2474	1.666	-760322	-764812	-1910090	SLV 15	0.54	2045	1.541	Si
825	-4620	-2300	-10097	SLV 15	0.57	2474	1.666	-794266	-778071	-2315301	SLV 15	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	2655	808	8821	SLD 1	0.6	2474	4.193	-3293	305974	963633	SLD 15	0.42	1053	2.954	Si
56	2326	808	8821	SLD 1	0.6	2474	4.193	16377	300109	1093908	SLD 15	0.48	1478	3.395	Si
113	1817	808	8821	SLD 1	0.6	2474	4.193	147885	254621	962923	SLD 15	0.43	1090	2.996	Si
169	1308	808	8821	SLD 1	0.6	2474	4.193	250715	209135	962923	SLD 15	0.45	1285	3.205	Si
225	799	808	8821	SLD 1	0.6	2474	4.193	352029	140188	962923	SLD 15	0.57	2474	4.193	Si
254	545	808	8821	SLD 1	0.6	2474	4.193	352029	140188	962923	SLD 15	0.57	2474	4.193	Si
310	36	808	8821	SLD 1	0.6	2474	4.193	382330	95455	962923	SLD 15	0.6	2474	4.193	Si
366	-474	-808	-8821	SLD 15	0.6	2474	4.193	384792	50513	962923	SLD 11	0.6	2474	4.193	Si
423	-983	-808	-8821	SLD 15	0.6	2474	4.193	301450	44833	962923	SLD 3	0.6	2474	4.193	Si
479	-1492	-808	-8821	SLD 15	0.6	2474	4.193	216961	88294	962923	SLD 1	0.6	2474	4.193	Si
535	-2001	-808	-8821	SLD 15	0.6	2474	4.193	103796	133691	962923	SLD 1	0.6	2474	4.193	Si
592	-2510	-808	-8821	SLD 15	0.6	2474	4.193	-38046	-179151	-962923	SLD 15	0.6	2474	4.193	Si
648	-3019	-808	-8821	SLD 15	0.6	2474	4.193	-208565	-224628	-962923	SLD 15	0.45	1237	3.156	Si
676	-3273	-808	-8821	SLD 15	0.6	2474	4.193	-304578	-247369	-962923	SLD 15	0.36	686	2.478	Si
732	-3782	-808	-8821	SLD 15	0.6	2474	4.193	-518112	-292854	-1414575	SLD 15	0.41	966	2.851	Si
789	-4291	-808	-10097	SLD 15	0.6	2474	4.193	-760322	-338342	-1910090	SLD 15	0.45	1277	3.197	Si
825	-4620	-808	-10097	SLD 15	0.6	2474	4.193	-794266	-344208	-2315301	SLD 15	0.58	2474	4.193	Si

Campata 6 tra i fili ? - 35, sezione R 40x70, asta 1184

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-1012583	SLU 36	-953774	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-896420	SLU 36	-896420	-2315301	0.107	Si
59	14.54	5.4	8.88	5.4						-681957	SLU 36	-838921	-1786795	0.093	Si
118	7.6	5.4	7.6	5.4						-399925	SLU 35	-532935	-962923	0.078	Si
177	7.6	5.4	7.6	5.4						-166135	SLU 35	-275387	-962923	0.078	Si
206	7.6	5.4	7.6	5.4	-47284	SLU 16	25522	962923	0.078	-77105	SLU 22	-164694	-962923	0.078	Si
265	7.6	5.4	7.6	5.4	95638	SLU 34	157541	962923	0.078	42180	SLU 4	-9262	-962923	0.078	Si
324	7.6	5.4	7.6	5.4	209222	SLU 34	247368	962923	0.078						Si
383	7.6	5.4	7.6	5.4	274602	SLU 36	289023	962923	0.078						Si
442	7.6	5.4	7.6	5.4	291816	SLU 36	291816	962923	0.078						Si
501	7.6	5.4	7.6	5.4	260812	SLU 36	282027	962923	0.078						Si
560	7.6	5.4	7.6	5.4	181592	SLU 36	226564	962923	0.078						Si
619	7.6	5.4	7.6	5.4	56706	SLU 18	122883	962923	0.078	10721	SLU 19	-52129	-962923	0.078	Si
649	7.6	5.4	7.6	5.4	-12554	SLU 18	55697	962923	0.078	-53059	SLU 19	-126086	-962923	0.078	Si
708	7.6	5.4	7.6	5.4						-232160	SLU 33	-348633	-962923	0.078	Si
767	7.6	5.4	7.6	5.4						-480605	SLU 33	-620834	-962923	0.078	Si
796	9.23	5.4	7.6	5.4						-622909	SLU 33	-775017	-1155833	0.082	Si
826	14.54	5.4	7.6	5.4						-777267	SLU 33	-941253	-1786936	0.094	Si
865	19.01	5.4	7.6	5.4						-1001151	SLU 33	-1001151	-2315301	0.107	Si
885	19.01	5.4	7.6	5.4						-1122145	SLU 33	-1060921	-2315301	0.107	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-1113645	SLV 3	-1064445	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-1016172	SLV 3	-1016172	-2315301	0.107	Si
59	14.54	5.4	8.88	5.4						-833969	SLV 3	-967891	-1786795	0.093	Si
118	7.6	5.4	7.6	5.4	39664	SLV 13	87081	962923	0.078	-585774	SLV 3	-704184	-962923	0.078	Si
177	7.6	5.4	7.6	5.4	128052	SLV 13	160008	962923	0.078	-369084	SLV 3	-471967	-962923	0.078	Si
206	7.6	5.4	7.6	5.4	160481	SLV 13	184724	962923	0.078	-272565	SLV 3	-367677	-962923	0.078	Si
265	7.6	5.4	7.6	5.4	201879	SLV 13	210793	962923	0.078	-103251	SLV 3	-182770	-962923	0.078	Si
324	7.6	5.4	7.6	5.4	222998	SLV 9	230821	962923	0.078	23430	SLV 7	-29591	-962923	0.078	Si
383	7.6	5.4	7.6	5.4	233016	SLV 9	237645	962923	0.078						Si
442	7.6	5.4	7.6	5.4	246738	SLV 1	266413	962923	0.078						Si
501	7.6	5.4	7.6	5.4	279254	SLV 1	284221	962923	0.078	33108	SLV 15	-15275	-962923	0.078	Si
560	7.6	5.4	7.6	5.4	282061	SLV 1	284262	962923	0.078	-73543	SLV 15	-139060	-962923	0.078	Si
619	7.6	5.4	7.6	5.4	257964	SLV 3	272955	962923	0.078	-216201	SLV 13	-299778	-962923	0.078	Si
649	7.6	5.4	7.6	5.4	235808	SLV 3	257641	962923	0.078	-301015	SLV 13	-392722	-962923	0.078	Si
708	7.6	5.4	7.6	5.4	168848	SLV 3	205630	962923	0.078	-495176	SLV 13	-602635	-962923	0.078	Si
767	7.6	5.4	7.6	5.4	70825	SLV 3	122972	962923	0.078	-721187	SLV 13	-844223	-962923	0.078	Si
826	14.54	5.4	7.6	5.4	-58523	SLV 3	9073	963597	0.08	-978784	SLV 13	-1117353	-1786936	0.094	Si
865	19.01	5.4	7.6	5.4						-1167222	SLV 13	-1167222	-2315301	0.107	Si
885	19.01	5.4	7.6	5.4						-1267896	SLV 13	-1217102	-2315301	0.107	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-867537	SLD 3	-824403	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-782208	SLD 3	-782208	-2315301	0.107	Si
59	14.54	5.4	8.88	5.4						-623684	SLD 3	-739957	-1786795	0.093	Si
118	7.6	5.4	7.6	5.4						-411298	SLD 3	-512067	-962923	0.078	Si
177	7.6	5.4	7.6	5.4	-10642	SLD 13	38927	962923	0.078	-230389	SLD 3	-315647	-962923	0.078	Si
206	7.6	5.4	7.6	5.4	39660	SLD 13	81495	962923	0.078	-151744	SLD 3	-229243	-962923	0.078	Si
265	7.6	5.4	7.6	5.4	116730	SLD 13	143139	962923	0.078	-18102	SLD 3	-80061	-962923	0.078	Si
324	7.6	5.4	7.6	5.4	167346	SLD 9	184625	962923	0.078						Si
383	7.6	5.4	7.6	5.4	195435	SLD 9	202688	962923	0.078						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
442	7.6	5.4	7.6	5.4	207665	SLD 1	212909	962923	0.078						Si
501	7.6	5.4	7.6	5.4	210637	SLD 1	212952	962923	0.078						Si
560	7.6	5.4	7.6	5.4	182917	SLD 1	200322	962923	0.078	25601	SLD 15	-24125	-962923	0.078	Si
619	7.6	5.4	7.6	5.4	125754	SLD 3	157459	962923	0.078	-83992	SLD 13	-150349	-962923	0.078	Si
649	7.6	5.4	7.6	5.4	86124	SLD 3	125176	962923	0.078	-151331	SLD 13	-225606	-962923	0.078	Si
708	7.6	5.4	7.6	5.4	-16311	SLD 3	37997	962923	0.078	-310018	SLD 13	-399903	-962923	0.078	Si
767	7.6	5.4	7.6	5.4						-500334	SLD 13	-605753	-962923	0.078	Si
826	14.54	5.4	7.6	5.4						-722163	SLD 13	-843096	-1786936	0.094	Si
865	19.01	5.4	7.6	5.4						-886939	SLD 13	-886939	-2315301	0.107	Si
885	19.01	5.4	7.6	5.4						-975474	SLD 13	-930739	-2315301	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.54	0	6012	SLU 36	6012	10949	68363	0	10949	1	Si
20	0.061	9.23	0	5735	SLU 36	5735	9408	68363	7044	9408	1	Si
59	0.061	7.6	0	5195	SLU 36	5195	8821	68363	7044	8821	1	Si
118	0.061	7.6	0	4378	SLU 36	4378	8821	68363	7044	8821	1	Si
177	0.061	7.6	0	3561	SLU 36	3561	8821	68363	7044	8821	1	Si
206	0.061	7.6	0	3152	SLU 36	3152	8821	68363	7044	8821	1	Si
265	0.061	7.6	0	2335	SLU 36	2335	8821	68363	7044	8821	1	Si
324	0.061	7.6	0	1518	SLU 36	1518	8821	68363	7044	8821	1	Si
383	0.061	7.6	0	700	SLU 36	700	8821	68363	7044	8821	1	Si
442	0.061	7.6	0	-125	SLU 33	-125	-8821	-68363	-7044	-8821	1	Si
501	0.061	7.6	0	-942	SLU 33	-942	-8821	-68363	-7044	-8821	1	Si
560	0.061	7.6	0	-1759	SLU 33	-1759	-8821	-68363	-7044	-8821	1	Si
619	0.061	7.6	0	-2576	SLU 33	-2576	-8821	-68363	-7044	-8821	1	Si
649	0.061	7.6	0	-2985	SLU 33	-2985	-8821	-68363	-7044	-8821	1	Si
708	0.061	7.6	0	-3802	SLU 33	-3802	-8821	-68363	-7044	-8821	1	Si
767	0.061	7.6	0	-4620	SLU 33	-4620	-8821	-68363	-7044	-8821	1	Si
826	0.061	7.6	0	-5437	SLU 33	-5437	-8821	-68363	-7044	-8821	1	Si
865	0.061	9.23	0	-5977	SLU 33	-5977	-9408	-68363	-7044	-9408	1	Si
885	0	14.54	0	-6254	SLU 33	-6254	-10949	-68363	0	-10949	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.54	0	5008	SLV 3	5291	10949	68363	0	10949	1	Si
20	0.061	9.23	0	4827	SLV 3	5111	9408	68363	7044	9408	1	Si
59	0.061	7.6	0	4475	SLV 3	4758	8821	68363	7044	8821	1	Si
118	0.061	7.6	0	3942	SLV 3	4225	8821	68363	7044	8821	1	Si
177	0.061	7.6	0	3409	SLV 3	3692	8821	68363	7044	8821	1	Si
206	0.061	7.6	0	3142	SLV 3	3425	8821	68363	7044	8821	1	Si
265	0.061	7.6	0	2609	SLV 3	2892	8821	68363	7044	8821	1	Si
324	0.061	7.6	0	2076	SLV 3	2359	8821	68363	7044	8821	1	Si
324	0.061	7.6	0	-104	SLV 13	-387	-8821	-68363	-7044	-8821	1	Si
383	0.061	7.6	0	1543	SLV 3	1826	8821	68363	7044	8821	1	Si
383	0.061	7.6	0	-637	SLV 13	-920	-8821	-68363	-7044	-8821	1	Si
442	0.061	7.6	0	1009	SLV 3	1293	8821	68363	7044	8821	1	Si
442	0.061	7.6	0	-1170	SLV 13	-1453	-8821	-68363	-7044	-8821	1	Si
501	0.061	7.6	0	476	SLV 3	760	8821	68363	7044	8821	1	Si
501	0.061	7.6	0	-1703	SLV 13	-1987	-8821	-68363	-7044	-8821	1	Si
560	0.061	7.6	0	-57	SLV 3	226	8821	68363	7044	8821	1	Si
560	0.061	7.6	0	-2236	SLV 13	-2520	-8821	-68363	-7044	-8821	1	Si
619	0.061	7.6	0	-2770	SLV 13	-3053	-8821	-68363	-7044	-8821	1	Si
649	0.061	7.6	0	-3036	SLV 13	-3319	-8821	-68363	-7044	-8821	1	Si
708	0.061	7.6	0	-3569	SLV 13	-3853	-8821	-68363	-7044	-8821	1	Si
767	0.061	7.6	0	-4102	SLV 13	-4386	-8821	-68363	-7044	-8821	1	Si
826	0.061	7.6	0	-4636	SLV 13	-4919	-8821	-68363	-7044	-8821	1	Si
865	0.061	9.23	0	-4988	SLV 13	-5271	-9408	-68363	-7044	-9408	1	Si
885	0	14.54	0	-5169	SLV 13	-5452	-10949	-68363	0	-10949	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.54	0	4400	SLD 3	4400	10949	68363	0	10949	1	Si
20	0.061	9.23	0	4219	SLD 3	4219	9408	68363	7044	9408	1	Si
59	0.061	7.6	0	3867	SLD 3	3867	8821	68363	7044	8821	1	Si
118	0.061	7.6	0	3334	SLD 3	3334	8821	68363	7044	8821	1	Si
177	0.061	7.6	0	2801	SLD 3	2801	8821	68363	7044	8821	1	Si
206	0.061	7.6	0	2534	SLD 3	2534	8821	68363	7044	8821	1	Si
265	0.061	7.6	0	2001	SLD 3	2001	8821	68363	7044	8821	1	Si
324	0.061	7.6	0	1468	SLD 3	1468	8821	68363	7044	8821	1	Si
383	0.061	7.6	0	935	SLD 3	935	8821	68363	7044	8821	1	Si
383	0.061	7.6	0	-29	SLD 13	-29	-8821	-68363	-7044	-8821	1	Si
442	0.061	7.6	0	402	SLD 3	402	8821	68363	7044	8821	1	Si
442	0.061	7.6	0	-562	SLD 13	-562	-8821	-68363	-7044	-8821	1	Si
501	0.061	7.6	0	-1095	SLD 13	-1095	-8821	-68363	-7044	-8821	1	Si
560	0.061	7.6	0	-1629	SLD 13	-1629	-8821	-68363	-7044	-8821	1	Si
619	0.061	7.6	0	-2162	SLD 13	-2162	-8821	-68363	-7044	-8821	1	Si
649	0.061	7.6	0	-2428	SLD 13	-2428	-8821	-68363	-7044	-8821	1	Si
708	0.061	7.6	0	-2961	SLD 13	-2961	-8821	-68363	-7044	-8821	1	Si
767	0.061	7.6	0	-3495	SLD 13	-3495	-8821	-68363	-7044	-8821	1	Si
826	0.061	7.6	0	-4028	SLD 13	-4028	-8821	-68363	-7044	-8821	1	Si
865	0.061	9.23	0	-4380	SLD 13	-4380	-9408	-68363	-7044	-9408	1	Si
885	0	14.54	0	-4561	SLD 13	-4561	-10949	-68363	0	-10949	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-746774	9	-703627	22.9	124.5	644.3	1837	-672501	2	-634177	20.6	93.4	0	+∞	Si
20	-661547	9	-661547	21.5	124.5	605.8	1837	-596801	2	-596801	19.4	93.4	0	+∞	Si
59	-504202	9	-619361	21.6	124.5	731.4	1837	-457050	2	-559331	19.5	93.4	0	+∞	Si
118	-297275	8	-394863	10.3	124.5	154.3	1837	-273271	1	-359940	16.1	93.4	0	+∞	Si
177	-125758	8	-205907	5.4	124.5	80.5	1837	-120961	1	-192131	8.6	93.4	0	+∞	Si
206	-56839	4	-124701	3.2	124.5	48.7	1837	-56601	1	-120022	5.4	93.4	0	+∞	Si
265	66151	7	111532	2.9	124.5	43.6	1837	49314	2	89600	4	93.4	0	+∞	Si
324	149408	7	177351	4.6	124.5	69.3	1837	123214	2	148002	6.6	93.4	0	+∞	Si
383	197280	9	207805	5.4	124.5	81.2	1837	165659	2	174948	7.8	93.4	0	+∞	Si
442	209793	9	209793	5.5	124.5	82	1837	176648	2	176648	7.9	93.4	0	+∞	Si
501	186912	9	202545	5.3	124.5	79.2	1837	156181	2	170140	7.6	93.4	0	+∞	Si
560	128637	9	161709	4.2	124.5	63.2	1837	104259	2	133716	6	93.4	0	+∞	Si
619	34968	9	85480	2.2	124.5	33.4	1837	20881	2	65837	3	93.4	0	+∞	Si
649	-34881	1	-96099	2.5	124.5	37.6	1837	-34881	1	-95448	4.3	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
708	-175065	6	-260606	6.8	124.5	101.9	1837	-165671	1	-241737	10.8	93.4	0	+∞	Si
767	-357527	6	-460507	12	124.5	180	1837	-327917	1	-419481	18.8	93.4	0	+∞	Si
826	-575383	6	-695802	24.7	124.5	823	1837	-521618	1	-628681	22.3	93.4	0	+∞	Si
865	-739786	6	-739786	24	124.5	677.4	1837	-667784	1	-667784	21.7	93.4	0	+∞	Si
885	-828632	6	-783675	25.5	124.5	717.6	1837	-746774	1	-706805	23	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
59	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	2	-0.012	2	9999	Si
118	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.013	2	-0.013	2	9999	Si
177	0	-0.002	-0.001	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.007	2	-0.007	2	9999	Si
206	0.003	0	0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.002	2	-0.003	2	9999	Si
265	0.008	0.004	0.005	0.002	0.005	0.004	0.002	0.002	0.005	0.004	0.007	2	0.006	2	9999	Si
324	0.012	0.008	0.009	0.005	0.008	0.008	0.006	0.005	0.008	0.008	0.015	2	0.014	2	9999	Si
383	0.015	0.01	0.011	0.007	0.011	0.01	0.008	0.007	0.011	0.01	0.02	2	0.019	2	9999	Si
413	0.016	0.011	0.012	0.008	0.011	0.011	0.008	0.008	0.011	0.011	0.022	2	0.02	2	9999	Si
442	0.016	0.011	0.012	0.008	0.011	0.011	0.008	0.008	0.011	0.011	0.022	2	0.02	2	9999	Si
501	0.014	0.009	0.011	0.006	0.01	0.009	0.007	0.006	0.01	0.009	0.018	2	0.017	2	9999	Si
560	0.01	0.006	0.007	0.004	0.007	0.006	0.004	0.004	0.007	0.006	0.011	2	0.01	2	9999	Si
619	0.005	0.002	0.003	0	0.002	0.002	0	0	0.002	0.002	0.001	2	0	2	9999	Si
649	0.003	0	0	-0.002	0	0	-0.002	-0.002	0	0	-0.004	2	-0.005	2	9999	Si
708	-0.003	-0.005	-0.004	-0.006	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.013	2	-0.014	2	9999	Si
767	-0.006	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.018	2	-0.019	2	9999	Si
826	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.015	2	-0.016	2	9999	Si
865	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	3738	1373	9408	SLV 3	0.57	2474	1.666	-596801	419371	963795	SLV 13	0.57	2474	1.666	Si
59	3385	1373	8821	SLV 3	0.57	2474	1.666	-559331	-408561	-1786795	SLV 3	0.57	2474	1.666	Si
118	2852	1373	8821	SLV 3	0.57	2474	1.666	-359837	-344347	-962923	SLV 3	0.57	2474	1.666	Si
177	2319	1373	8821	SLV 3	0.57	2474	1.666	-191799	-280168	-962923	SLV 3	0.57	2474	1.666	Si
206	2052	1373	8821	SLV 3	0.57	2474	1.666	-119576	-248101	-962923	SLV 3	0.57	2474	1.666	Si
265	1519	1373	8821	SLV 3	0.57	2474	1.666	1278	184049	962923	SLV 13	0.57	2474	1.666	Si
324	986	1373	8821	SLV 3	0.57	2474	1.666	90677	117032	962923	SLV 9	0.57	2474	1.666	Si
383	453	1373	8821	SLV 3	0.57	2474	1.666	165659	67357	962923	SLV 9	0.57	2474	1.666	Si
442	-80	-1373	-8821	SLV 13	0.57	2474	1.666	170438	95974	962923	SLV 1	0.57	2474	1.666	Si
501	-613	-1373	-8821	SLV 13	0.57	2474	1.666	134473	149748	962923	SLV 1	0.57	2474	1.666	Si
560	-1147	-1373	-8821	SLV 13	0.57	2474	1.666	67052	206112	962923	SLV 3	0.57	2474	1.666	Si
619	-1680	-1373	-8821	SLV 13	0.57	2474	1.666	-31824	-267955	-962923	SLV 13	0.57	2474	1.666	Si
649	-1946	-1373	-8821	SLV 13	0.57	2474	1.666	-93058	-299664	-962923	SLV 13	0.57	2474	1.666	Si
708	-2479	-1373	-8821	SLV 13	0.57	2474	1.666	-239117	-363518	-962923	SLV 13	0.57	2474	1.666	Si
767	-3013	-1373	-8821	SLV 13	0.57	2474	1.666	-416632	-427591	-962923	SLV 13	0.46	1325	1.29	Si
826	-3546	-1373	-8821	SLV 13	0.57	2474	1.666	-625603	-491750	-1786936	SLV 13	0.57	2474	1.666	Si
865	-3898	-1373	-9408	SLV 13	0.57	2474	1.666	-664668	502554	963795	SLV 3	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	3738	482	9408	SLD 3	0.6	2474	4.193	-596801	185407	963795	SLD 13	0.6	2474	4.193	Si
59	3385	482	8821	SLD 3	0.6	2474	4.193	-559331	-180626	-1786795	SLD 3	0.6	2474	4.193	Si
118	2852	482	8821	SLD 3	0.6	2474	4.193	-359837	-152230	-962923	SLD 3	0.52	1922	3.781	Si
177	2319	482	8821	SLD 3	0.6	2474	4.193	-191799	-123848	-962923	SLD 3	0.6	2474	4.193	Si
206	2052	482	8821	SLD 3	0.6	2474	4.193	-119576	-109667	-962923	SLD 3	0.6	2474	4.193	Si
265	1519	482	8821	SLD 3	0.6	2474	4.193	1278	81340	962923	SLD 13	0.6	2474	4.193	Si
324	986	482	8821	SLD 3	0.6	2474	4.193	90677	53130	962923	SLD 13	0.6	2474	4.193	Si
383	453	482	8821	SLD 3	0.6	2474	4.193	148620	36414	962923	SLD 9	0.6	2474	4.193	Si
442	-80	-482	-8821	SLD 13	0.6	2474	4.193	170438	42470	962923	SLD 1	0.6	2474	4.193	Si
501	-613	-482	-8821	SLD 13	0.6	2474	4.193	134473	66253	962923	SLD 1	0.6	2474	4.193	Si
560	-1147	-482	-8821	SLD 13	0.6	2474	4.193	67052	91177	962923	SLD 3	0.6	2474	4.193	Si
619	-1680	-482	-8821	SLD 13	0.6	2474	4.193	-31824	-118525	-962923	SLD 13	0.6	2474	4.193	Si
649	-1946	-482	-8821	SLD 13	0.6	2474	4.193	-93058	-132548	-962923	SLD 13	0.6	2474	4.193	Si
708	-2479	-482	-8821	SLD 13	0.6	2474	4.193	-239117	-160786	-962923	SLD 13	0.59	2474	4.193	Si
767	-3013	-482	-8821	SLD 13	0.6	2474	4.193	-416632	-189120	-962923	SLD 13	0.39	839	2.691	Si
826	-3546	-482	-8821	SLD 13	0.6	2474	4.193	-625603	-217493	-1786936	SLD 13	0.6	2474	4.193	Si
865	-3898	-482	-9408	SLD 13	0.6	2474	4.193	-664668	222270	963795	SLD 3	0.6	2474	4.193	Si

Campata 7 tra i fili 35 - 36, sezione R 40x70, asta 1183

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-1213252	SLU 33	-1143725	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-1075756	SLU 33	-1075756	-2315301	0.107	Si
57	15.47	5.4	8.78	5.4						-829400	SLU 33	-1017802	-1896904	0.095	Si
115	11.4	5.4	7.6	5.4						-491345	SLU 33	-656593	-1414575	0.086	Si
172	7.6	5.4	7.6	5.4						-199086	SLU 33	-341181	-962923	0.078	Si
230	7.6	5.4	7.6	5.4	56447	SLU 18	159234	962923	0.078	6917	SLU 19	-87474	-962923	0.078	Si
259	7.6	5.4	7.6	5.4	158188	SLU 36	253068	962923	0.078						Si
316	7.6	5.4	7.6	5.4	334661	SLU 36	406388	962923	0.078						Si
374	7.6	5.4	7.6	5.4	465338	SLU 36	513912	962923	0.078						Si
431	7.6	5.4	7.6	5.4	550249	SLU 34	575725	962923	0.078						Si
489	7.6	5.4	7.6	5.4	589733	SLU 33	592750	962923	0.078						Si
546	7.6	5.4	7.6	5.4	584318	SLU 33	592750	962923	0.078						Si
604	7.6	5.4	7.6	5.4	533106	SLU 33	564658	962923	0.078						Si
661	7.6	5.4	7.6	5.4	436099	SLU 33	490803	962923	0.078						Si
690	7.6	5.4	7.6	5.4	370422	SLU 33	436703	962923	0.078						Si
747	7.6	5.4	7.6	5.4	204721	SLU 33	294154	962923	0.078						Si
805	7.6	5.4	7.6	5.4	9668	SLU 19	105810	962923	0.078	-19052	SLU 18	-139403	-962923	0.078	Si
835	7.6	5.4	7.6	5.4	-73804	SLU 1	6660	962923	0.078	-143770	SLU 36	-143770	-962923	0.078	Si
862	7.6	5.4	7.6	5.4						-272918	SLU 36	-205845	-962923	0.078	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-1328614	SLV 1	-1268537	-2315301	0.107	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
20	19.01	5.4	7.6	5.4						-1209441	SLV 1	-1209441	-2315301	0.107	Si
57	15.47	5.4	8.78	5.4						-993468	SLV 1	-1159209	-1896904	0.095	Si
115	11.4	5.4	7.6	5.4	17895	SLV 15	76655	963377	0.08	-688240	SLV 1	-838853	-1414575	0.086	Si
172	7.6	5.4	7.6	5.4	126841	SLV 15	170557	962923	0.078	-412960	SLV 1	-548427	-962923	0.078	Si
230	7.6	5.4	7.6	5.4	206060	SLV 15	234822	962923	0.078	-167705	SLV 1	-287978	-962923	0.078	Si
259	7.6	5.4	7.6	5.4	234586	SLV 15	255996	962923	0.078	-56402	SLV 1	-169028	-962923	0.078	Si
316	7.6	5.4	7.6	5.4	270195	SLV 15	300417	962923	0.078						Si
374	7.6	5.4	7.6	5.4	338865	SLV 7	407527	962923	0.078						Si
431	7.6	5.4	7.6	5.4	469285	SLV 3	525798	962923	0.078						Si
489	7.6	5.4	7.6	5.4	574768	SLV 3	617871	962923	0.078						Si
546	7.6	5.4	7.6	5.4	653700	SLV 1	682808	962923	0.078						Si
604	7.6	5.4	7.6	5.4	704152	SLV 1	718456	962923	0.078	-13188	SLV 15	-82629	-962923	0.078	Si
661	7.6	5.4	7.6	5.4	725211	SLV 1	725211	962923	0.078	-157917	SLV 15	-242584	-962923	0.078	Si
690	7.6	5.4	7.6	5.4	724621	SLV 1	725211	962923	0.078	-241569	SLV 15	-333822	-962923	0.078	Si
747	7.6	5.4	7.6	5.4	701126	SLV 1	716685	962923	0.078	-431373	SLV 15	-538773	-962923	0.078	Si
805	7.6	5.4	7.6	5.4	647829	SLV 1	678460	962923	0.078	-651127	SLV 15	-773657	-962923	0.078	Si
835	7.6	5.4	7.6	5.4	608026	SLV 1	646606	962923	0.078	-777816	SLV 15	-777816	-962923	0.078	Si
862	7.6	5.4	7.6	5.4	564701	SLV 1	564701	962923	0.078	-900802	SLV 15	-837704	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-1038755	SLD 1	-986748	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-935742	SLD 1	-935742	-2315301	0.107	Si
57	15.47	5.4	8.78	5.4						-750065	SLD 1	-892322	-1896904	0.095	Si
86	11.4	5.4	7.6	5.4						-616930	SLD 1	-751630	-1414576	0.086	Si
115	11.4	5.4	7.6	5.4						-491270	SLD 1	-618412	-1414575	0.086	Si
172	7.6	5.4	7.6	5.4	-23735	SLD 15	43409	962923	0.078	-262384	SLD 1	-374403	-962923	0.078	Si
230	7.6	5.4	7.6	5.4	101793	SLD 15	153899	962923	0.078	-63439	SLD 1	-160314	-962923	0.078	Si
259	7.6	5.4	7.6	5.4	153407	SLD 15	198049	962923	0.078	24777	SLD 1	-64504	-962923	0.078	Si
316	7.6	5.4	7.6	5.4	234653	SLD 15	274793	962923	0.078						Si
374	7.6	5.4	7.6	5.4	313887	SLD 7	362574	962923	0.078						Si
431	7.6	5.4	7.6	5.4	403727	SLD 3	438613	962923	0.078						Si
489	7.6	5.4	7.6	5.4	465871	SLD 3	486402	962923	0.078						Si
546	7.6	5.4	7.6	5.4	499610	SLD 1	505544	962923	0.078						Si
604	7.6	5.4	7.6	5.4	504090	SLD 1	505544	962923	0.078						Si
661	7.6	5.4	7.6	5.4	478908	SLD 1	495317	962923	0.078						Si
690	7.6	5.4	7.6	5.4	455151	SLD 1	479090	962923	0.078	27901	SLD 15	-40908	-962923	0.078	Si
747	7.6	5.4	7.6	5.4	385270	SLD 1	424287	962923	0.078	-115516	SLD 15	-199448	-962923	0.078	Si
805	7.6	5.4	7.6	5.4	285545	SLD 1	339652	962923	0.078	-288843	SLD 15	-387890	-962923	0.078	Si
835	7.6	5.4	7.6	5.4	221508	SLD 1	283570	962923	0.078	-391298	SLD 15	-391298	-962923	0.078	Si
862	7.6	5.4	7.6	5.4	155964	SLD 1	155964	962923	0.078	-492065	SLD 15	-440062	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.47	0	7074	SLU 33	7074	11178	68363	0	11178	1	Si
20	0.06	11.4	0	6797	SLU 33	6797	10097	68363	7017	10097	1	Si
57	0.06	11.4	0	6277	SLU 33	6277	10097	68363	7017	10097	1	Si
115	0.06	7.6	0	5481	SLU 33	5481	8821	68363	7017	8821	1	Si
172	0.06	7.6	0	4685	SLU 33	4685	8821	68363	7017	8821	1	Si
230	0.06	7.6	0	3888	SLU 33	3888	8821	68363	7017	8821	1	Si
259	0.06	7.6	0	3490	SLU 33	3490	8821	68363	7017	8821	1	Si
316	0.06	7.6	0	2693	SLU 33	2693	8821	68363	7017	8821	1	Si
374	0.06	7.6	0	1897	SLU 33	1897	8821	68363	7017	8821	1	Si
431	0.06	7.6	0	1100	SLU 33	1100	8821	68363	7017	8821	1	Si
489	0.06	7.6	0	314	SLU 24	314	8821	68363	7017	8821	1	Si
546	0.06	7.6	0	-515	SLU 36	-515	-8821	-68363	-7017	-8821	1	Si
604	0.06	7.6	0	-1311	SLU 36	-1311	-8821	-68363	-7017	-8821	1	Si
661	0.06	7.6	0	-2108	SLU 36	-2108	-8821	-68363	-7017	-8821	1	Si
690	0.06	7.6	0	-2506	SLU 36	-2506	-8821	-68363	-7017	-8821	1	Si
747	0.06	7.6	0	-3303	SLU 36	-3303	-8821	-68363	-7017	-8821	1	Si
805	0.06	7.6	0	-4099	SLU 36	-4099	-8821	-68363	-7017	-8821	1	Si
835	0.06	7.6	0	-4514	SLU 36	-4514	-8821	-68363	-7017	-8821	1	Si
862	0	7.6	0	-4895	SLU 36	-4895	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.47	0	6090	SLV 1	6467	11178	68363	0	11178	1	Si
20	0.06	11.4	0	5910	SLV 1	6287	10097	68363	7017	10097	1	Si
57	0.06	11.4	0	5571	SLV 1	5948	10097	68363	7017	10097	1	Si
115	0.06	7.6	0	5051	SLV 1	5428	8821	68363	7017	8821	1	Si
172	0.06	7.6	0	4532	SLV 1	4909	8821	68363	7017	8821	1	Si
230	0.06	7.6	0	4012	SLV 1	4389	8821	68363	7017	8821	1	Si
259	0.06	7.6	0	3752	SLV 1	4129	8821	68363	7017	8821	1	Si
316	0.06	7.6	0	3233	SLV 1	3610	8821	68363	7017	8821	1	Si
316	0.06	7.6	0	332	SLV 15	-45	-8821	-68363	-7017	-8821	1	Si
374	0.06	7.6	0	2713	SLV 1	3090	8821	68363	7017	8821	1	Si
374	0.06	7.6	0	-188	SLV 15	-565	-8821	-68363	-7017	-8821	1	Si
431	0.06	7.6	0	2193	SLV 1	2571	8821	68363	7017	8821	1	Si
431	0.06	7.6	0	-707	SLV 15	-1084	-8821	-68363	-7017	-8821	1	Si
489	0.06	7.6	0	1674	SLV 1	2051	8821	68363	7017	8821	1	Si
489	0.06	7.6	0	-1227	SLV 15	-1604	-8821	-68363	-7017	-8821	1	Si
546	0.06	7.6	0	1154	SLV 1	1531	8821	68363	7017	8821	1	Si
546	0.06	7.6	0	-1746	SLV 15	-2123	-8821	-68363	-7017	-8821	1	Si
604	0.06	7.6	0	635	SLV 1	1012	8821	68363	7017	8821	1	Si
604	0.06	7.6	0	-2266	SLV 15	-2643	-8821	-68363	-7017	-8821	1	Si
661	0.06	7.6	0	115	SLV 1	492	8821	68363	7017	8821	1	Si
661	0.06	7.6	0	-2785	SLV 15	-3163	-8821	-68363	-7017	-8821	1	Si
690	0.06	7.6	0	-145	SLV 1	232	8821	68363	7017	8821	1	Si
690	0.06	7.6	0	-3045	SLV 15	-3422	-8821	-68363	-7017	-8821	1	Si
747	0.06	7.6	0	-3565	SLV 15	-3942	-8821	-68363	-7017	-8821	1	Si
805	0.06	7.6	0	-4084	SLV 15	-4462	-8821	-68363	-7017	-8821	1	Si
835	0.06	7.6	0	-4356	SLV 15	-4733	-8821	-68363	-7017	-8821	1	Si
862	0	7.6	0	-4604	SLV 15	-4981	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.47	0	5281	SLD 1	5281	11178	68363	0	11178	1	Si
20	0.06	11.4	0	5101	SLD 1	5101	10097	68363	7017	10097	1	Si
57	0.06	11.4	0	4762	SLD 1	4762	10097	68363	7017	10097	1	Si
115	0.06	7.6	0	4242	SLD 1	4242	8821	68363	7017	8821	1	Si
172	0.06	7.6	0	3723	SLD 1	3723	8821	68363	7017	8821	1	Si
230	0.06	7.6	0	3203	SLD 1	3203	8821	68363	7017	8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
259	0.06	7.6	0	2943	SLD 1	2943	8821	68363	7017	8821	1	Si
316	0.06	7.6	0	2424	SLD 1	2424	8821	68363	7017	8821	1	Si
374	0.06	7.6	0	1904	SLD 1	1904	8821	68363	7017	8821	1	Si
431	0.06	7.6	0	1384	SLD 1	1384	8821	68363	7017	8821	1	Si
489	0.06	7.6	0	865	SLD 1	865	8821	68363	7017	8821	1	Si
489	0.06	7.6	0	-418	SLD 15	-418	-8821	-68363	-7017	-8821	1	Si
546	0.06	7.6	0	345	SLD 1	345	8821	68363	7017	8821	1	Si
546	0.06	7.6	0	-937	SLD 15	-937	-8821	-68363	-7017	-8821	1	Si
604	0.06	7.6	0	-1457	SLD 15	-1457	-8821	-68363	-7017	-8821	1	Si
661	0.06	7.6	0	-1976	SLD 15	-1976	-8821	-68363	-7017	-8821	1	Si
690	0.06	7.6	0	-2236	SLD 15	-2236	-8821	-68363	-7017	-8821	1	Si
747	0.06	7.6	0	-2756	SLD 15	-2756	-8821	-68363	-7017	-8821	1	Si
805	0.06	7.6	0	-3275	SLD 15	-3275	-8821	-68363	-7017	-8821	1	Si
835	0.06	7.6	0	-3547	SLD 15	-3547	-8821	-68363	-7017	-8821	1	Si
862	0	7.6	0	-3795	SLD 15	-3795	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-898360	6	-847196	27.5	124.5	775.8	1837	-814629	1	-768901	25	93.4	0	+∞	Si
20	-797175	6	-797175	25.9	124.5	730	1837	-724189	1	-724189	23.5	93.4	0	+∞	Si
57	-615857	6	-754525	25.8	124.5	839.7	1837	-562085	1	-686069	23.4	93.4	0	+∞	Si
115	-366970	6	-488643	18.9	124.5	730	1837	-339417	1	-448297	17.3	93.4	0	+∞	Si
172	-151700	6	-256378	6.7	124.5	100.2	1837	-146625	1	-240401	10.8	93.4	0	+∞	Si
230	33555	9	112116	2.9	124.5	43.8	1837	19177	2	89787	4	93.4	0	+∞	Si
259	111343	9	181407	4.7	124.5	70.9	1837	89092	2	152150	6.8	93.4	0	+∞	Si
316	241708	9	294776	7.7	124.5	115.2	1837	206514	2	254467	11.4	93.4	0	+∞	Si
374	338457	9	374529	9.8	124.5	146.4	1837	294060	2	326909	14.7	93.4	0	+∞	Si
431	401609	7	420722	11	124.5	164.4	1837	351730	2	369474	16.6	93.4	0	+∞	Si
489	431390	6	433973	11.3	124.5	169.6	1837	379690	1	382722	17.2	93.4	0	+∞	Si
546	428153	6	433973	11.3	124.5	169.6	1837	378285	1	382722	17.2	93.4	0	+∞	Si
604	391299	6	414086	10.8	124.5	161.9	1837	347005	1	366512	16.4	93.4	0	+∞	Si
661	320828	6	360611	9.4	124.5	141	1837	285848	1	320460	14.4	93.4	0	+∞	Si
690	272987	6	321267	8.4	124.5	125.6	1837	244067	1	286230	12.8	93.4	0	+∞	Si
747	152092	6	217368	5.7	124.5	85	1837	138096	1	195364	8.8	93.4	0	+∞	Si
805	2249	1	79852	2.1	124.5	31.2	1837	2249	1	74621	3.3	93.4	0	+∞	Si
805	-7455	9	-98847	2.6	124.5	38.6	1837	-1649	2	-82083	3.7	93.4	0	+∞	Si
835	-102040	9	-102040	2.7	124.5	39.9	1837	-84895	2	-84895	3.8	93.4	0	+∞	Si
862	-196447	9	-147408	3.8	124.5	57.6	1837	-168050	2	-124842	5.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
57	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.004	2	0.003	2	9999	Si
115	0.011	0.008	0.009	0.007	0.009	0.008	0.007	0.007	0.009	0.008	0.02	2	0.019	2	9999	Si
172	0.023	0.019	0.02	0.016	0.019	0.019	0.016	0.016	0.019	0.019	0.044	2	0.043	2	9999	Si
230	0.036	0.03	0.032	0.027	0.031	0.03	0.027	0.027	0.031	0.03	0.071	2	0.07	2	9999	Si
259	0.043	0.036	0.038	0.032	0.037	0.036	0.032	0.032	0.037	0.036	0.084	2	0.084	2	9999	Si
316	0.055	0.047	0.049	0.042	0.048	0.047	0.042	0.042	0.047	0.047	0.11	2	0.109	2	7863	Si
374	0.065	0.056	0.058	0.05	0.056	0.056	0.05	0.05	0.056	0.056	0.13	2	0.13	2	6626	Si
431	0.071	0.062	0.063	0.055	0.062	0.062	0.055	0.055	0.062	0.062	0.144	2	0.143	2	6004	Si
489	0.074	0.064	0.065	0.057	0.064	0.064	0.057	0.057	0.064	0.064	0.149	2	0.149	2	5797	Si
546	0.071	0.062	0.064	0.055	0.062	0.062	0.056	0.055	0.062	0.062	0.145	2	0.145	2	5954	Si
604	0.065	0.057	0.058	0.051	0.057	0.057	0.051	0.051	0.057	0.057	0.132	1	0.132	1	6532	Si
661	0.055	0.048	0.049	0.042	0.048	0.048	0.043	0.042	0.048	0.048	0.111	1	0.111	1	7770	Si
690	0.048	0.042	0.043	0.037	0.042	0.042	0.037	0.037	0.042	0.042	0.098	1	0.098	1	8818	Si
747	0.033	0.029	0.029	0.026	0.029	0.029	0.026	0.026	0.029	0.029	0.067	1	0.067	1	9999	Si
805	0.017	0.014	0.015	0.013	0.015	0.015	0.013	0.013	0.015	0.015	0.034	1	0.034	1	9999	Si
835	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	1	0.016	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	4459	1827	10097	SLV 1	0.57	2474	1.666	-718824	-490617	-2315301	SLV 1	0.57	2474	1.666	Si
57	4120	1827	10097	SLV 1	0.57	2474	1.666	-680803	-478406	-1896904	SLV 1	0.57	2474	1.666	Si
115	3601	1827	8821	SLV 1	0.57	2474	1.666	-443710	-395143	-1414575	SLV 1	0.57	2474	1.666	Si
172	3081	1827	8821	SLV 1	0.57	2474	1.666	-236492	-311935	-962923	SLV 1	0.57	2474	1.666	Si
230	2562	1827	8821	SLV 1	0.57	2474	1.666	-59151	-228827	-962923	SLV 1	0.57	2474	1.666	Si
259	2302	1827	8821	SLV 1	0.57	2474	1.666	18316	187344	962923	SLV 15	0.57	2474	1.666	Si
316	1782	1827	8821	SLV 1	0.57	2474	1.666	150843	104757	962923	SLV 15	0.57	2474	1.666	Si
374	1263	1827	8821	SLV 1	0.57	2474	1.666	326909	80618	962923	SLV 3	0.57	2474	1.666	Si
431	743	1827	8821	SLV 1	0.57	2474	1.666	369474	156324	962923	SLV 3	0.57	2474	1.666	Si
489	224	1827	8821	SLV 1	0.57	2474	1.666	382164	235707	962923	SLV 3	0.57	2474	1.666	Si
546	-296	-1827	-8821	SLV 15	0.57	2474	1.666	364977	317831	962923	SLV 1	0.57	2474	1.666	Si
604	-816	-1827	-8821	SLV 15	0.57	2474	1.666	317913	400543	962923	SLV 1	0.57	2458	1.662	Si
661	-1335	-1827	-8821	SLV 15	0.57	2474	1.666	283647	441564	962923	SLV 1	0.55	2175	1.581	Si
690	-1595	-1827	-8821	SLV 15	0.57	2474	1.666	191301	525123	962923	SLV 1	0.52	1924	1.503	Si
747	-2115	-1827	-8821	SLV 15	0.57	2474	1.666	69547	608320	962923	SLV 1	0.52	1921	1.502	Si
805	-2634	-1827	-8821	SLV 15	0.57	2474	1.666	-82083	-691574	-962923	SLV 15	0.46	1314	1.286	Si
835	-2905	-1827	-8821	SLV 15	0.57	2474	1.666	-84895	-692921	-962923	SLV 15	0.46	1296	1.278	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	4459	641	10097	SLD 1	0.6	2474	4.193	-718824	-216918	-2315301	SLD 1	0.6	2474	4.193	Si
57	4120	641	10097	SLD 1	0.6	2474	4.193	-680803	-211518	-1896904	SLD 1	0.6	2474	4.193	Si
115	3601	641	8821	SLD 1	0.6	2474	4.193	-443710	-174702	-1414575	SLD 1	0.6	2474	4.193	Si
172	3081	641	8821	SLD 1	0.6	2474	4.193	-236492	-137910	-962923	SLD 1	0.6	2474	4.193	Si
230	2562	641	8821	SLD 1	0.6	2474	4.193	-59151	-101162	-962923	SLD 1	0.6	2474	4.193	Si
259	2302	641	8821	SLD 1	0.6	2474	4.193	18316	82820	962923	SLD 15	0.6	2474	4.193	Si
316	1782	641	8821	SLD 1	0.6	2474	4.193	150843	46302	962923	SLD 15	0.6	2474	4.193	Si
374	1263	641	8821	SLD 1	0.6	2474	4.193	326909	35665	962923	SLD 3	0.6	2474	4.193	Si
431	743	641	8821	SLD 1	0.6	2474	4.193	369474	69139	962923	SLD 3	0.6	2474	4.193	Si
489	224	641	8821	SLD 1	0.6	2474	4.193	382164	104238	962923	SLD 3	0.6	2474	4.193	Si
546	-296	-641	-8821	SLD 15	0.6	2474	4.193	365196	140348	962923	SLD 1	0.56	2333	4.093	Si
604	-816	-641	-8821	SLD 15	0.6	2474	4.193	317913	177123	962923	SLD 1	0.48	1535	3.448	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
661	-1335	-641	-8821	SLD 15	0.6	2474	4.193	240974	213830	962923	SLD 1	0.45	1256	3.175	Si
690	-1595	-641	-8821	SLD 15	0.6	2474	4.193	191301	232208	962923	SLD 1	0.44	1204	3.121	Si
747	-2115	-641	-8821	SLD 15	0.6	2474	4.193	69547	268995	962923	SLD 1	0.44	1202	3.119	Si
805	-2634	-641	-8821	SLD 15	0.6	2474	4.193	-82083	-305807	-962923	SLD 15	0.39	833	2.683	Si
835	-2905	-641	-8821	SLD 15	0.6	2474	4.193	-84895	-306403	-962923	SLD 15	0.39	823	2.67	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 32-4

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 32 - ?, sezione R 40x70, asta 1163

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4						-189914	SLU 36	-151647	-1414397	0.086	Si
17	11.4	5.4	11.4	5.4						-127663	SLU 36	-126605	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4						-115124	SLU 36	-115124	-1414397	0.086	Si
33	11.4	5.4	11.4	5.4	-49469	SLU 4	30869	1414397	0.086	-68178	SLU 29	-115124	-1414397	0.086	Si
50	11.06	5.4	11.31	5.4	-6963	SLU 17	83748	1403761	0.086	-14990	SLU 20	-112892	-1373047	0.085	Si
58	10.67	5.4	10.76	5.4	17045	SLU 36	109251	1337621	0.085	7398	SLU 1	-83007	-1326755	0.084	Si
75	9.88	5.4	9.64	5.4	70560	SLU 36	158385	1205288	0.083	43132	SLU 1	-28284	-1234133	0.083	Si
91	9.1	5.4	7.6	5.4	121580	SLU 36	205024	963139	0.079						Si
108	7.6	5.4	7.6	5.4	170104	SLU 36	249167	962923	0.078						Si
124	7.6	5.4	7.6	5.4	216132	SLU 36	290815	962923	0.078						Si
141	7.6	5.4	7.6	5.4	259665	SLU 36	329966	962923	0.078						Si
157	7.6	5.4	7.6	5.4	300701	SLU 36	366622	962923	0.078						Si
174	7.6	5.4	7.6	5.4	339242	SLU 36	400782	962923	0.078						Si
190	7.6	5.4	7.6	5.4	375288	SLU 36	432446	962923	0.078						Si
199	7.6	5.4	7.6	5.4	392374	SLU 36	447342	962923	0.078						Si
215	7.6	5.4	7.6	5.4	424676	SLU 36	457114	962923	0.078						Si
233	7.6	5.4	7.6	5.4	457114	SLU 36	457114	962923	0.078						Si
248	7.6	5.4	7.6	5.4	481792	SLU 36	469941	962923	0.078						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	1114782	SLV 11	1084466	1414397	0.086	-1388572	SLV 5	-1304334	-1414397	0.086	Si
17	11.4	5.4	11.4	5.4	1063455	SLV 11	1062554	1414397	0.086	-1249672	SLV 5	-1247289	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4	1052508	SLV 11	1052508	1414397	0.086	-1221135	SLV 5	-1221135	-1414397	0.086	Si
33	11.4	5.4	11.4	5.4	1010282	SLV 11	1052508	1414397	0.086	-1112764	SLV 5	-1221135	-1414397	0.086	Si
50	11.06	5.4	11.31	5.4	955303	SLV 11	1050559	1403761	0.086	-977890	SLV 5	-1216055	-1373047	0.085	Si
58	10.67	5.4	10.76	5.4	927159	SLV 11	1023977	1337621	0.085	-911238	SLV 5	-1147596	-1326755	0.084	Si
75	9.88	5.4	9.64	5.4	869649	SLV 11	969455	1205288	0.083	-779593	SLV 5	-1012199	-1234133	0.083	Si
83	9.49	5.4	7.6	5.4	840350	SLV 11	941532	963187	0.079	-714667	SLV 5	-945278	-1187737	0.082	Si
91	9.1	5.4	7.6	5.4	810771	SLV 11	913184	963139	0.079	-650420	SLV 5	-878893	-1141358	0.081	Si
108	7.6	5.4	7.6	5.4	751339	SLV 11	855313	962923	0.078	-524532	SLV 5	-747826	-962923	0.078	Si
124	7.6	5.4	7.6	5.4	693583	SLV 11	796219	962923	0.078	-404160	SLV 5	-619375	-962923	0.078	Si
141	7.6	5.4	7.6	5.4	639666	SLV 7	737006	962923	0.078	-291466	SLV 9	-494645	-962923	0.078	Si
157	7.6	5.4	7.6	5.4	587592	SLV 7	680182	962923	0.078	-184454	SLV 9	-376144	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	535263	SLV 7	626902	962923	0.078	-81028	SLV 9	-265027	-962923	0.078	Si
190	7.6	5.4	7.6	5.4	482270	SLV 7	574833	962923	0.078	19223	SLV 9	-158960	-962923	0.078	Si
199	7.6	5.4	7.6	5.4	455806	SLV 7	548670	962923	0.078	67876	SLV 9	-107238	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	473424	SLV 3	520784	962923	0.078	91757	SLV 13	-6161	-962923	0.078	Si
233	7.6	5.4	7.6	5.4	520784	SLV 1	520784	962923	0.078						Si
248	7.6	5.4	7.6	5.4	581818	SLV 1	554021	962923	0.078						Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	416716	SLD 11	416716	1414397	0.086	-690506	SLD 5	-638211	-1414397	0.086	Si
17	11.4	5.4	11.4	5.4	418435	SLD 11	418435	1414397	0.086	-604651	SLD 5	-603184	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4	418498	SLD 11	418586	1414397	0.086	-587125	SLD 5	-587125	-1414397	0.086	Si
33	11.4	5.4	11.4	5.4	418267	SLD 11	418586	1414397	0.086	-520749	SLD 5	-587125	-1414397	0.086	Si
50	11.06	5.4	11.31	5.4	416229	SLD 11	418586	1403761	0.086	-438816	SLD 5	-584005	-1373047	0.085	Si
58	10.67	5.4	10.76	5.4	414519	SLD 11	418430	1337621	0.085	-398599	SLD 5	-542048	-1326755	0.084	Si
75	9.88	5.4	9.64	5.4	409756	SLD 11	416868	1205288	0.083	-319700	SLD 5	-459611	-1234133	0.083	Si
91	9.1	5.4	7.6	5.4	403317	SLD 11	413461	963139	0.079	-242965	SLD 5	-379169	-1141358	0.081	Si
108	7.6	5.4	7.6	5.4	395562	SLD 11	408276	962923	0.078	-168755	SLD 5	-300788	-962923	0.078	Si
124	7.6	5.4	7.6	5.4	387479	SLD 11	401480	962923	0.078	-98055	SLD 5	-224635	-962923	0.078	Si
141	7.6	5.4	7.6	5.4	380026	SLD 7	393559	962923	0.078	-31826	SLD 9	-151199	-962923	0.078	Si
157	7.6	5.4	7.6	5.4	372319	SLD 7	385627	962923	0.078	30818	SLD 9	-81590	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	363428	SLD 7	378195	962923	0.078	90807	SLD 9	-16320	-962923	0.078	Si
190	7.6	5.4	7.6	5.4	353172	SLD 7	373401	962923	0.078						Si
199	7.6	5.4	7.6	5.4	347658	SLD 7	381778	962923	0.078						Si
215	7.6	5.4	7.6	5.4	367039	SLD 3	399400	962923	0.078						Si
233	7.6	5.4	7.6	5.4	399400	SLD 1	399400	962923	0.078						Si
248	7.6	5.4	7.6	5.4	434915	SLD 1	418571	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.27	0	3834	SLU 36	3834	9752	68363	0	9752	1	Si
17	0	9.49	0	3684	SLU 36	3684	9499	68363	0	9499	1	Si
20	0.086	9.49	0	3652	SLU 36	3652	9499	68363	10004	10004	1	Si
33	0.086	7.6	0	3533	SLU 36	3533	8821	68363	10004	10004	1	Si
50	0.086	7.6	0	3382	SLU 36	3382	8821	68363	10004	10004	1	Si
58	0.086	7.6	0	3307	SLU 36	3307	8821	68363	10004	10004	1	Si
75	0.086	7.6	0	3156	SLU 36	3156	8821	68363	10004	10004	1	Si
91	0.082	7.6	0	3005	SLU 36	3005	8821	68363	9539	9539	1	Si
108	0.082	7.6	0	2855	SLU 36	2855	8821	68363	9539	9539	1	Si
124	0.082	7.6	0	2704	SLU 36	2704	8821	68363	9539	9539	1	Si
141	0.082	7.6	0	2553	SLU 36	2553	8821	68363	9539	9539	1	Si
157	0.082	7.6	0	2403	SLU 36	2403	8821	68363	9539	9539	1	Si
174	0.072	7.6	0	2252	SLU 36	2252	8821	68363	8336	8821	1	Si
190	0.072	7.6	0	2101	SLU 36	2101	8821	68363	8336	8821	1	Si
199	0.072	7.6	0	2026	SLU 36	2026	8821	68363	8336	8821	1	Si
215	0.072	7.6	0	1875	SLU 36	1875	8821	68363	8336	8821	1	Si
233	0.072	7.6	0	1710	SLU 36	1710	8821	68363	8336	8821	1	Si
248	0	7.6	0	1574	SLU 36	1574	8821	68363	0	8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.27	0	8460	SLV 5	9957	9752	68363	0	9752	1	Si
0	0	10.2	0	-3056	SLV 11	-4553	-9728	-68363	0	-9728	1	Si
17	0	9.49	0	8344	SLV 5	9841	9499	68363	0	9499	1	Si
17	0	7.6	0	-3172	SLV 11	-4669	-8821	-68363	0	-8821	1	Si
20	0.086	9.49	0	8320	SLV 5	9817	9499	68363	10004	10004	1	Si
20	0.086	7.6	0	-3196	SLV 11	-4693	-8821	-68363	-10004	-10004	1	Si
33	0.086	7.6	0	8228	SLV 5	9725	8821	68363	10004	10004	1	Si
33	0.086	7.6	0	-3288	SLV 11	-4785	-8821	-68363	-10004	-10004	1	Si
50	0.086	7.6	0	8112	SLV 5	9609	8821	68363	10004	10004	1	Si
50	0.086	7.6	0	-3404	SLV 11	-4901	-8821	-68363	-10004	-10004	1	Si
58	0.086	7.6	0	8054	SLV 5	9551	8821	68363	10004	10004	1	Si
58	0.086	7.6	0	-3462	SLV 11	-4959	-8821	-68363	-10004	-10004	1	Si
75	0.086	7.6	0	7938	SLV 5	9435	8821	68363	10004	10004	1	Si
75	0.086	7.6	0	-3578	SLV 11	-5075	-8821	-68363	-10004	-10004	1	Si
91	0.082	7.6	0	7822	SLV 5	9319	8821	68363	9539	9539	1	Si
91	0.082	7.6	0	-3693	SLV 11	-5191	-8821	-68363	-9539	-9539	1	Si
108	0.082	7.6	0	7706	SLV 5	9203	8821	68363	9539	9539	1	Si
108	0.082	7.6	0	-3809	SLV 11	-5306	-8821	-68363	-9539	-9539	1	Si
124	0.082	7.6	0	7590	SLV 5	9087	8821	68363	9539	9539	1	Si
124	0.082	7.6	0	-3925	SLV 11	-5422	-8821	-68363	-9539	-9539	1	Si
141	0.082	7.6	0	7474	SLV 5	8972	8821	68363	9539	9539	1	Si
141	0.082	7.6	0	-4041	SLV 11	-5538	-8821	-68363	-9539	-9539	1	Si
157	0.082	7.6	0	7359	SLV 5	8856	8821	68363	9539	9539	1	Si
157	0.082	7.6	0	-4157	SLV 11	-5654	-8821	-68363	-9539	-9539	1	Si
174	0.072	7.6	0	7243	SLV 5	8740	8821	68363	8336	8821	1	Si
174	0.072	7.6	0	-4273	SLV 11	-5770	-8821	-68363	-8336	-8821	1	Si
190	0.072	7.6	0	7127	SLV 5	8624	8821	68363	8336	8821	1	Si
190	0.072	7.6	0	-4389	SLV 11	-5886	-8821	-68363	-8336	-8821	1	Si
199	0.072	7.6	0	7069	SLV 5	8566	8821	68363	8336	8821	1	Si
199	0.072	7.6	0	-4447	SLV 11	-5944	-8821	-68363	-8336	-8821	1	Si
215	0.072	7.6	0	6953	SLV 5	8450	8821	68363	8336	8821	1	Si
215	0.072	7.6	0	-4563	SLV 11	-6060	-8821	-68363	-8336	-8821	1	Si
233	0.072	7.6	0	6826	SLV 5	8323	8821	68363	8336	8821	1	Si
233	0.072	7.6	0	-4690	SLV 11	-6187	-8821	-68363	-8336	-8821	1	Si
248	0	7.6	0	6721	SLV 5	8218	8821	68363	0	8821	1	Si
248	0	7.6	0	-4795	SLV 11	-6292	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.27	0	5249	SLD 5	5249	9752	68363	0	9752	1	Si
17	0	9.49	0	5133	SLD 5	5133	9499	68363	0	9499	1	Si
20	0.086	9.49	0	5109	SLD 5	5109	9499	68363	10004	10004	1	Si
33	0.086	7.6	0	5017	SLD 5	5017	8821	68363	10004	10004	1	Si
33	0.086	7.6	0	-77	SLD 11	-77	-8821	-68363	-10004	-10004	1	Si
50	0.086	7.6	0	4901	SLD 5	4901	8821	68363	10004	10004	1	Si
50	0.086	7.6	0	-192	SLD 11	-192	-8821	-68363	-10004	-10004	1	Si
58	0.086	7.6	0	4843	SLD 5	4843	8821	68363	10004	10004	1	Si
58	0.086	7.6	0	-250	SLD 11	-250	-8821	-68363	-10004	-10004	1	Si
75	0.086	7.6	0	4727	SLD 5	4727	8821	68363	10004	10004	1	Si
75	0.086	7.6	0	-366	SLD 11	-366	-8821	-68363	-10004	-10004	1	Si
91	0.082	7.6	0	4611	SLD 5	4611	8821	68363	9539	9539	1	Si
91	0.082	7.6	0	-482	SLD 11	-482	-8821	-68363	-9539	-9539	1	Si
108	0.082	7.6	0	4495	SLD 5	4495	8821	68363	9539	9539	1	Si
108	0.082	7.6	0	-598	SLD 11	-598	-8821	-68363	-9539	-9539	1	Si
124	0.082	7.6	0	4379	SLD 5	4379	8821	68363	9539	9539	1	Si
124	0.082	7.6	0	-714	SLD 11	-714	-8821	-68363	-9539	-9539	1	Si
141	0.082	7.6	0	4263	SLD 5	4263	8821	68363	9539	9539	1	Si
141	0.082	7.6	0	-830	SLD 11	-830	-8821	-68363	-9539	-9539	1	Si
157	0.082	7.6	0	4147	SLD 5	4147	8821	68363	9539	9539	1	Si
157	0.082	7.6	0	-946	SLD 11	-946	-8821	-68363	-9539	-9539	1	Si
174	0.072	7.6	0	4031	SLD 5	4031	8821	68363	8336	8821	1	Si
174	0.072	7.6	0	-1062	SLD 11	-1062	-8821	-68363	-8336	-8821	1	Si
190	0.072	7.6	0	3915	SLD 5	3915	8821	68363	8336	8821	1	Si
190	0.072	7.6	0	-1178	SLD 11	-1178	-8821	-68363	-8336	-8821	1	Si
199	0.072	7.6	0	3858	SLD 5	3858	8821	68363	8336	8821	1	Si
199	0.072	7.6	0	-1236	SLD 11	-1236	-8821	-68363	-8336	-8821	1	Si
215	0.072	7.6	0	3742	SLD 5	3742	8821	68363	8336	8821	1	Si
215	0.072	7.6	0	-1352	SLD 11	-1352	-8821	-68363	-8336	-8821	1	Si
233	0.072	7.6	0	3615	SLD 5	3615	8821	68363	8336	8821	1	Si
233	0.072	7.6	0	-1479	SLD 11	-1479	-8821	-68363	-8336	-8821	1	Si
248	0	7.6	0	3510	SLD 5	3510	8821	68363	0	8821	1	Si
248	0	7.6	0	-1584	SLD 11	-1584	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-142968	9	-114245	4.2	124.5	170.1	1837	-136895	2	-109934	4	93.4	0	+∞	Si
17	-96265	9	-95472	3.5	124.5	142.1	1837	-93108	2	-92367	3.4	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
20	-86864	9	-86864	3.2	124.5	129.3	1837	-84314	2	-84314	3.1	93.4	0	+∞	Si
33	-51661	2	-86864	3.2	124.5	129.3	1837	-51241	2	-84314	3.1	93.4	0	+∞	Si
50	-11397	2	-85191	3.1	124.5	130.7	1837	-11294	2	-82748	3.1	93.4	0	+∞	Si
58	12095	9	80948	3	124.5	127.6	1837	7960	2	71694	2.7	93.4	0	+∞	Si
75	52079	9	117562	4.7	124.5	206.1	1837	45028	2	105392	4.2	93.4	0	+∞	Si
91	90143	9	152256	3.9	124.5	59	1837	80176	2	137170	6	93.4	0	+∞	Si
108	126287	9	185031	4.8	124.5	72.3	1837	113404	2	167028	7.5	93.4	0	+∞	Si
124	160512	9	215886	5.6	124.5	84.4	1837	144712	2	194966	8.7	93.4	0	+∞	Si
141	192817	9	244820	6.4	124.5	95.7	1837	174100	2	220984	9.9	93.4	0	+∞	Si
157	223202	9	271835	7.1	124.5	106.3	1837	201569	2	245083	11	93.4	0	+∞	Si
174	251667	9	296931	7.7	124.5	116.1	1837	227117	2	267262	12	93.4	0	+∞	Si
190	278212	9	320106	8.3	124.5	125.1	1837	250746	2	287521	12.9	93.4	0	+∞	Si
199	290765	9	330974	8.6	124.5	129.4	1837	261841	2	296931	13.3	93.4	0	+∞	Si
215	314431	9	338090	8.8	124.5	132.1	1837	282590	2	303058	13.6	93.4	0	+∞	Si
233	338090	9	338090	8.8	124.5	132.1	1837	303058	2	303058	13.6	93.4	0	+∞	Si
248	356002	9	347422	9.1	124.5	135.8	1837	318329	2	311069	14	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
17	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
20	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
33	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
50	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
58	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
75	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
91	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
108	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
124	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.008	2	0.007	2	9999	Si
141	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.008	2	0.008	2	9999	Si
149	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.008	2	9999	Si
157	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.008	2	9999	Si
174	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.008	2	0.008	2	9999	Si
190	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
199	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
215	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
233	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	2562	7255	10004	SLV 5	0.37	757	1.025	-84314	-1136821	-1414397	SLV 5	0.42	1050	1.173	Si
33	2470	7255	10004	SLV 5	0.38	780	1.038	-84314	-1136821	-1414397	SLV 5	0.42	1050	1.173	Si
50	2354	7255	10004	SLV 5	0.38	810	1.054	-82748	-1133307	-1373047	SLV 5	0.41	977	1.139	Si
58	2296	7255	10004	SLV 5	0.39	825	1.062	-61809	-1085786	-1326755	SLV 5	0.42	1038	1.167	Si
75	2180	7255	10004	SLV 5	0.39	855	1.078	-21372	-990827	-1234133	SLV 5	0.44	1183	1.231	Si
91	2064	7255	9539	SLV 5	0.37	765	1.03	17146	896039	963139	SLV 11	0.38	812	1.055	Si
108	1948	7255	9539	SLV 5	0.38	794	1.046	53744	801569	962923	SLV 11	0.41	967	1.134	Si
124	1833	7255	9539	SLV 5	0.39	824	1.062	88422	707797	962923	SLV 11	0.45	1212	1.244	Si
141	1717	7255	9539	SLV 5	0.39	855	1.078	121180	615825	962923	SLV 11	0.49	1585	1.388	Si
157	1601	7255	9539	SLV 5	0.4	886	1.094	152019	528163	962923	SLV 11	0.55	2164	1.577	Si
174	1485	7255	8821	SLV 5	0.37	731	1.011	180938	445964	962923	SLV 7	0.57	2474	1.666	Si
190	1369	7255	8821	SLV 5	0.37	759	1.027	207936	366896	962923	SLV 7	0.57	2474	1.666	Si
199	1311	7255	8821	SLV 5	0.38	774	1.035	220716	327954	962923	SLV 7	0.57	2474	1.666	Si
215	1195	7255	8821	SLV 5	0.38	803	1.051	244835	250996	962923	SLV 7	0.57	2474	1.666	Si
233	1068	7255	8821	SLV 5	0.39	836	1.068	303058	217726	962923	SLV 1	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	2562	2547	10004	SLD 5	0.39	863	2.723	-84314	-502811	-1414397	SLD 5	0.36	677	2.465	Si
33	2470	2547	10004	SLD 5	0.4	889	2.756	-84314	-502811	-1414397	SLD 5	0.36	677	2.465	Si
50	2354	2547	10004	SLD 5	0.4	923	2.799	-82748	-501257	-1373047	SLD 5	0.35	634	2.399	Si
58	2296	2547	10004	SLD 5	0.41	940	2.82	-61809	-480239	-1326755	SLD 5	0.36	669	2.453	Si
75	2180	2547	10004	SLD 5	0.41	974	2.861	-21372	-438239	-1234133	SLD 5	0.37	755	2.577	Si
91	2064	2547	9539	SLD 5	0.39	872	2.734	17146	396315	963139	SLD 11	0.32	529	2.228	Si
108	1948	2547	9539	SLD 5	0.4	905	2.776	53744	354532	962923	SLD 11	0.35	628	2.39	Si
124	1833	2547	9539	SLD 5	0.41	939	2.818	88422	313058	962923	SLD 11	0.38	772	2.601	Si
141	1717	2547	9539	SLD 5	0.41	974	2.861	121180	272379	962923	SLD 11	0.41	991	2.881	Si
157	1601	2547	9539	SLD 5	0.42	1013	2.908	152019	233609	962923	SLD 11	0.46	1351	3.272	Si
174	1485	2547	8821	SLD 5	0.39	833	2.683	180938	197258	962923	SLD 7	0.52	1926	3.784	Si
190	1369	2547	8821	SLD 5	0.39	865	2.725	207936	162292	962923	SLD 7	0.6	2474	4.193	Si
199	1311	2547	8821	SLD 5	0.4	882	2.747	220716	145071	962923	SLD 7	0.6	2474	4.193	Si
215	1195	2547	8821	SLD 5	0.4	915	2.789	244835	111038	962923	SLD 7	0.6	2474	4.193	Si
233	1068	2547	8821	SLD 5	0.41	954	2.837	303058	96342	962923	SLD 1	0.6	2474	4.193	Si

Campata 2 tra i fili ? - 15, sezione R 40x70, asta 1164

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	446090	SLU 36	429479	962923	0.078						Si
12	7.6	5.4	7.6	5.4	418678	SLU 36	418019	962923	0.078						Si
15	7.6	5.4	7.6	5.4	411885	SLU 36	411885	962923	0.078						Si
24	7.6	5.4	7.6	5.4	389932	SLU 36	411885	962923	0.078						Si
36	7.6	5.4	7.6	5.4	359853	SLU 36	411885	962923	0.078						Si
48	7.6	5.4	7.6	5.4	328440	SLU 36	401602	962923	0.078						Si
54	7.6	5.4	7.6	5.4	312233	SLU 36	386996	962923	0.078						Si
67	7.6	5.4	7.6	5.4	278820	SLU 36	356785	962923	0.078						Si
79	7.6	5.4	7.6	5.4	248564	SLU 30	325241	962923	0.078						Si
91	7.6	5.4	7.6	5.4	217523	SLU 30	292363	962923	0.078						Si
103	7.6	5.4	7.6	5.4	187051	SLU 29	260620	962923	0.078						Si
115	7.6	5.4	7.6	5.4	155651	SLU 29	230114	962923	0.078	68134	SLU 8	-13002	-962923	0.078	Si
127	7.6	5.4	7.6	5.4	122918	SLU 29	199250	962923	0.078	35073	SLU 8	-55846	-962923	0.078	Si
139	7.6	5.4	7.6	5.4	88851	SLU 29	168386	962923	0.078	986	SLU 8	-75753	-962923	0.078	Si
145	7.6	5.4	7.6	5.4	71351	SLU 11	152454	962923	0.078	-16475	SLU 26	-75753	-962923	0.078	Si
157	7.6	5.4	7.6	5.4	43376	SLU 11	119589	962923	0.078	-60194	SLU 26	-75753	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
162	7.6	5.4	7.6	5.4	33376	SLU 11	107852	962923	0.078	-75753	SLU 26	-75753	-962923	0.078	Si
169	7.6	5.4	7.6	5.4	14376	SLU 11	14376	962923	0.078	-105247	SLU 26	-99227	-962923	0.078	Si
182	7.6	5.4	7.6	5.4						-151633	SLU 26	-112800	-962923	0.078	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	543328	SLV 1	532443	962923	0.078						Si
12	7.6	5.4	7.6	5.4	537470	SLV 1	534839	962923	0.078						Si
15	7.6	5.4	7.6	5.4	536122	SLV 1	565176	962923	0.078	14844	SLV 15	-101604	-962923	0.078	Si
24	7.6	5.4	7.6	5.4	531763	SLV 1	588400	962923	0.078	-7150	SLV 15	-154983	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	545391	SLV 5	618301	962923	0.078	-57301	SLV 11	-226334	-962923	0.078	Si
48	7.6	5.4	7.6	5.4	576212	SLV 5	647416	962923	0.078	-126697	SLV 11	-298950	-962923	0.078	Si
54	7.6	5.4	7.6	5.4	591398	SLV 5	661660	962923	0.078	-161939	SLV 11	-335715	-962923	0.078	Si
67	7.6	5.4	7.6	5.4	621226	SLV 5	689502	962923	0.078	-233420	SLV 11	-410135	-962923	0.078	Si
79	7.6	5.4	7.6	5.4	650261	SLV 5	716461	962923	0.078	-306159	SLV 11	-485725	-962923	0.078	Si
91	7.6	5.4	7.6	5.4	678451	SLV 5	742520	962923	0.078	-380105	SLV 11	-562467	-962923	0.078	Si
103	7.6	5.4	7.6	5.4	705767	SLV 5	767671	962923	0.078	-455228	SLV 11	-640352	-962923	0.078	Si
115	7.6	5.4	7.6	5.4	732189	SLV 5	791906	962923	0.078	-531510	SLV 11	-719373	-962923	0.078	Si
127	7.6	5.4	7.6	5.4	757706	SLV 5	815219	962923	0.078	-608937	SLV 11	-799525	-962923	0.078	Si
139	7.6	5.4	7.6	5.4	782309	SLV 5	825326	962923	0.078	-687503	SLV 11	-835693	-962923	0.078	Si
145	7.6	5.4	7.6	5.4	794266	SLV 5	825326	962923	0.078	-727211	SLV 11	-835693	-962923	0.078	Si
157	7.6	5.4	7.6	5.4	817488	SLV 5	825326	962923	0.078	-807474	SLV 11	-835693	-962923	0.078	Si
162	7.6	5.4	7.6	5.4	825326	SLV 5	825326	962923	0.078	-835693	SLV 11	-835693	-962923	0.078	Si
169	7.6	5.4	7.6	5.4	839786	SLV 5	838327	962923	0.078	-888863	SLV 11	-879458	-962923	0.078	Si
182	7.6	5.4	7.6	5.4	861154	SLV 5	845844	962923	0.078	-971376	SLV 11	-904765	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	405299	SLD 1	395043	962923	0.078						Si
12	7.6	5.4	7.6	5.4	393667	SLD 1	392284	962923	0.078						Si
15	7.6	5.4	7.6	5.4	390807	SLD 1	390807	962923	0.078						Si
24	7.6	5.4	7.6	5.4	381531	SLD 1	390807	962923	0.078						Si
36	7.6	5.4	7.6	5.4	377327	SLD 5	390807	962923	0.078						Si
48	7.6	5.4	7.6	5.4	380204	SLD 5	386471	962923	0.078	69311	SLD 11	-35058	-962923	0.078	Si
54	7.6	5.4	7.6	5.4	381329	SLD 5	383566	962923	0.078	48130	SLD 11	-57600	-962923	0.078	Si
67	7.6	5.4	7.6	5.4	382909	SLD 5	383566	962923	0.078	4897	SLD 11	-103506	-962923	0.078	Si
79	7.6	5.4	7.6	5.4	383566	SLD 5	383566	962923	0.078	-39464	SLD 11	-150502	-962923	0.078	Si
91	7.6	5.4	7.6	5.4	383277	SLD 5	383566	962923	0.078	-84931	SLD 11	-198579	-962923	0.078	Si
103	7.6	5.4	7.6	5.4	382029	SLD 5	383566	962923	0.078	-131490	SLD 11	-247735	-962923	0.078	Si
115	7.6	5.4	7.6	5.4	379814	SLD 5	383489	962923	0.078	-179135	SLD 11	-297964	-962923	0.078	Si
127	7.6	5.4	7.6	5.4	376626	SLD 5	382627	962923	0.078	-227858	SLD 11	-349266	-962923	0.078	Si
139	7.6	5.4	7.6	5.4	372462	SLD 5	380800	962923	0.078	-277657	SLD 11	-372530	-962923	0.078	Si
145	7.6	5.4	7.6	5.4	370013	SLD 5	379523	962923	0.078	-302958	SLD 11	-372530	-962923	0.078	Si
157	7.6	5.4	7.6	5.4	364380	SLD 5	376239	962923	0.078	-354366	SLD 11	-372530	-962923	0.078	Si
162	7.6	5.4	7.6	5.4	362164	SLD 5	374876	962923	0.078	-372530	SLD 11	-372530	-962923	0.078	Si
169	7.6	5.4	7.6	5.4	357766	SLD 5	357766	962923	0.078	-406844	SLD 11	-400468	-962923	0.078	Si
182	7.6	5.4	7.6	5.4	350169	SLD 5	350169	962923	0.078	-460390	SLD 11	-416622	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-2400	SLU 35	-2400	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-2510	SLU 35	-2510	-8821	-68363	0	-8821	1	Si
15	0.062	7.6	0	-2536	SLU 35	-2536	-8821	-68363	-7166	-8821	1	Si
24	0.062	7.6	0	-2620	SLU 35	-2620	-8821	-68363	-7166	-8821	1	Si
36	0.062	7.6	0	-2730	SLU 35	-2730	-8821	-68363	-7166	-8821	1	Si
48	0.062	7.6	0	-2840	SLU 35	-2840	-8821	-68363	-7166	-8821	1	Si
54	0.062	7.6	0	-2895	SLU 35	-2895	-8821	-68363	-7166	-8821	1	Si
67	0.062	7.6	0	-3006	SLU 35	-3006	-8821	-68363	-7166	-8821	1	Si
79	0.062	7.6	0	-3116	SLU 35	-3116	-8821	-68363	-7166	-8821	1	Si
91	0.062	7.6	0	-3226	SLU 35	-3226	-8821	-68363	-7166	-8821	1	Si
103	0.062	7.6	0	-3336	SLU 35	-3336	-8821	-68363	-7166	-8821	1	Si
115	0.062	7.6	0	-3446	SLU 35	-3446	-8821	-68363	-7166	-8821	1	Si
127	0.062	7.6	0	-3556	SLU 35	-3556	-8821	-68363	-7166	-8821	1	Si
139	0.062	7.6	0	-3667	SLU 35	-3667	-8821	-68363	-7166	-8821	1	Si
145	0.062	7.6	0	-3722	SLU 35	-3722	-8821	-68363	-7166	-8821	1	Si
157	0.062	7.6	0	-3832	SLU 35	-3832	-8821	-68363	-7166	-8821	1	Si
162	0.062	7.6	0	-3870	SLU 35	-3870	-8821	-68363	-7166	-8821	1	Si
169	0	7.6	0	-3942	SLU 35	-3942	-8821	-68363	0	-8821	1	Si
182	0	7.6	0	-4052	SLU 35	-4052	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3183	SLV 5	4348	8821	68363	0	8821	1	Si
0	0	7.6	0	-5776	SLV 11	-6941	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	3098	SLV 5	4263	8821	68363	0	8821	1	Si
12	0	7.6	0	-5861	SLV 11	-7026	-8821	-68363	0	-8821	1	Si
15	0.062	7.6	0	3078	SLV 5	4243	8821	68363	7166	8821	1	Si
15	0.062	7.6	0	-5881	SLV 11	-7046	-8821	-68363	-7166	-8821	1	Si
24	0.062	7.6	0	3013	SLV 5	4178	8821	68363	7166	8821	1	Si
24	0.062	7.6	0	-5946	SLV 11	-7110	-8821	-68363	-7166	-8821	1	Si
36	0.062	7.6	0	2929	SLV 5	4093	8821	68363	7166	8821	1	Si
36	0.062	7.6	0	-6030	SLV 11	-7195	-8821	-68363	-7166	-8821	1	Si
48	0.062	7.6	0	2844	SLV 5	4009	8821	68363	7166	8821	1	Si
48	0.062	7.6	0	-6115	SLV 11	-7280	-8821	-68363	-7166	-8821	1	Si
54	0.062	7.6	0	2802	SLV 5	3966	8821	68363	7166	8821	1	Si
54	0.062	7.6	0	-6157	SLV 11	-7322	-8821	-68363	-7166	-8821	1	Si
67	0.062	7.6	0	2717	SLV 5	3881	8821	68363	7166	8821	1	Si
67	0.062	7.6	0	-6242	SLV 11	-7407	-8821	-68363	-7166	-8821	1	Si
79	0.062	7.6	0	2632	SLV 5	3797	8821	68363	7166	8821	1	Si
79	0.062	7.6	0	-6327	SLV 11	-7492	-8821	-68363	-7166	-8821	1	Si
91	0.062	7.6	0	2547	SLV 5	3712	8821	68363	7166	8821	1	Si
91	0.062	7.6	0	-6412	SLV 11	-7576	-8821	-68363	-7166	-8821	1	Si
103	0.062	7.6	0	2463	SLV 5	3627	8821	68363	7166	8821	1	Si
103	0.062	7.6	0	-6496	SLV 11	-7661	-8821	-68363	-7166	-8821	1	Si
115	0.062	7.6	0	2378	SLV 5	3543	8821	68363	7166	8821	1	Si
115	0.062	7.6	0	-6581	SLV 11	-7746	-8821	-68363	-7166	-8821	1	Si
127	0.062	7.6	0	2293	SLV 5	3458	8821	68363	7166	8821	1	Si
127	0.062	7.6	0	-6666	SLV 11	-7831	-8821	-68363	-7166	-8821	1	Si
139	0.062	7.6	0	2208	SLV 5	3373	8821	68363	7166	8821	1	Si
139	0.062	7.6	0	-6751	SLV 11	-7915	-8821	-68363	-7166	-8821	1	Si
145	0.062	7.6	0	2166	SLV 5	3331	8821	68363	7166	8821	1	Si
145	0.062	7.6	0	-6793	SLV 11	-7958	-8821	-68363	-7166	-8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
157	0.062	7.6	0	2081	SLV 5	3246	8821	68363	7166	8821	1	Si
157	0.062	7.6	0	-6878	SLV 11	-8042	-8821	-68363	-7166	-8821	1	Si
162	0.062	7.6	0	2052	SLV 5	3216	8821	68363	7166	8821	1	Si
162	0.062	7.6	0	-6907	SLV 11	-8072	-8821	-68363	-7166	-8821	1	Si
169	0	7.6	0	1996	SLV 5	3161	8821	68363	0	8821	1	Si
169	0	7.6	0	-6963	SLV 11	-8127	-8821	-68363	0	-8821	1	Si
182	0	7.6	0	1912	SLV 5	3076	8821	68363	0	8821	1	Si
182	0	7.6	0	-7047	SLV 11	-8212	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	685	SLD 5	685	8821	68363	0	8821	1	Si
0	0	7.6	0	-3278	SLD 11	-3278	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	600	SLD 5	600	8821	68363	0	8821	1	Si
12	0	7.6	0	-3363	SLD 11	-3363	-8821	-68363	0	-8821	1	Si
15	0.062	7.6	0	580	SLD 5	580	8821	68363	7166	8821	1	Si
15	0.062	7.6	0	-3383	SLD 11	-3383	-8821	-68363	-7166	-8821	1	Si
24	0.062	7.6	0	515	SLD 5	515	8821	68363	7166	8821	1	Si
24	0.062	7.6	0	-3448	SLD 11	-3448	-8821	-68363	-7166	-8821	1	Si
36	0.062	7.6	0	431	SLD 5	431	8821	68363	7166	8821	1	Si
36	0.062	7.6	0	-3532	SLD 11	-3532	-8821	-68363	-7166	-8821	1	Si
48	0.062	7.6	0	346	SLD 5	346	8821	68363	7166	8821	1	Si
48	0.062	7.6	0	-3617	SLD 11	-3617	-8821	-68363	-7166	-8821	1	Si
54	0.062	7.6	0	303	SLD 5	303	8821	68363	7166	8821	1	Si
54	0.062	7.6	0	-3659	SLD 11	-3659	-8821	-68363	-7166	-8821	1	Si
67	0.062	7.6	0	219	SLD 5	219	8821	68363	7166	8821	1	Si
67	0.062	7.6	0	-3744	SLD 11	-3744	-8821	-68363	-7166	-8821	1	Si
79	0.062	7.6	0	134	SLD 5	134	8821	68363	7166	8821	1	Si
79	0.062	7.6	0	-3829	SLD 11	-3829	-8821	-68363	-7166	-8821	1	Si
91	0.062	7.6	0	49	SLD 5	49	8821	68363	7166	8821	1	Si
91	0.062	7.6	0	-3914	SLD 11	-3914	-8821	-68363	-7166	-8821	1	Si
103	0.062	7.6	0	-3998	SLD 11	-3998	-8821	-68363	-7166	-8821	1	Si
115	0.062	7.6	0	-4083	SLD 11	-4083	-8821	-68363	-7166	-8821	1	Si
127	0.062	7.6	0	-4168	SLD 11	-4168	-8821	-68363	-7166	-8821	1	Si
139	0.062	7.6	0	-4253	SLD 11	-4253	-8821	-68363	-7166	-8821	1	Si
145	0.062	7.6	0	-4295	SLD 11	-4295	-8821	-68363	-7166	-8821	1	Si
157	0.062	7.6	0	-4380	SLD 11	-4380	-8821	-68363	-7166	-8821	1	Si
162	0.062	7.6	0	-4409	SLD 11	-4409	-8821	-68363	-7166	-8821	1	Si
169	0	7.6	0	-4464	SLD 11	-4464	-8821	-68363	0	-8821	1	Si
182	0	7.6	0	-4549	SLD 11	-4549	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	329873	9	317625	8.3	124.5	124.1	1837	295752	2	285995	12.8	93.4	0	+∞	Si
12	309643	9	309156	8.1	124.5	120.8	1837	279542	2	279148	12.5	93.4	0	+∞	Si
15	304622	9	304622	7.9	124.5	119.1	1837	275483	2	275483	12.4	93.4	0	+∞	Si
24	288387	9	304622	7.9	124.5	119.1	1837	262306	2	275483	12.4	93.4	0	+∞	Si
36	266105	9	304622	7.9	124.5	119.1	1837	244045	2	275483	12.4	93.4	0	+∞	Si
48	242797	9	297020	7.7	124.5	116.1	1837	224758	2	269326	12.1	93.4	0	+∞	Si
54	230758	9	286213	7.5	124.5	111.9	1837	214729	2	260529	11.7	93.4	0	+∞	Si
67	205911	9	263830	6.9	124.5	103.1	1837	193903	2	242167	10.9	93.4	0	+∞	Si
79	183033	3	240420	6.3	124.5	94	1837	172051	2	222778	10	93.4	0	+∞	Si
91	159494	3	215985	5.6	124.5	84.4	1837	149173	2	202364	9.1	93.4	0	+∞	Si
103	136198	2	192171	5	124.5	75.1	1837	125269	2	180923	8.1	93.4	0	+∞	Si
115	112147	2	169044	4.4	124.5	66.1	1837	100340	2	158457	7.1	93.4	0	+∞	Si
127	87070	2	145541	3.8	124.5	56.9	1837	74384	2	134965	6.1	93.4	0	+∞	Si
139	60967	2	121902	3.2	124.5	47.6	1837	47403	2	110447	5	93.4	0	+∞	Si
145	47530	2	109697	2.9	124.5	42.9	1837	33527	2	97803	4.4	93.4	0	+∞	Si
145	-5103	8	-51304	1.3	124.5	20.1	1837								Si
157	19888	2	84519	2.2	124.5	33	1837	5007	2	71747	3.2	93.4	0	+∞	Si
157	-39180	8	-51304	1.3	124.5	20.1	1837	-17315	1	-27963	1.3	93.4	0	+∞	Si
162	10004	2	75526	2	124.5	29.5	1837								Si
162	-51304	8	-51304	1.3	124.5	20.1	1837	-27963	1	-27963	1.3	93.4	0	+∞	Si
169	-74284	8	-69596	1.8	124.5	27.2	1837	-48178	1	-44036	2	93.4	0	+∞	Si
182	-110414	8	-80173	2.1	124.5	31.3	1837	-80068	1	-53329	2.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2	0.001	2	9999	Si
15	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
24	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
36	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
48	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
54	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
67	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
73	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
79	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
91	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
103	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
115	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.004	2	0.003	2	9999	Si
127	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
139	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
145	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
157	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.001	2	0.001	2	9999	Si
162	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
169	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	-1402	-5644	-8821	SLV 11	0.47	1428	1.33	275483	260639	962923	SLV 1	0.57	2474	1.666	Si
24	-1466	-5644	-8821	SLV 11	0.47	1396	1.318	216709	371692	962923	SLV 5	0.57	2474	1.666	Si
36	-1551	-5644	-8821	SLV 11	0.46	1354	1.302	195984	422317	962923	SLV 5	0.57	2474	1.666	Si
48	-1636	-5644	-8821	SLV 11	0.46	1312	1.285	174233	473183	962923	SLV 5	0.57	2474	1.666	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
54	-1678	-5644	-8821	SLV 11	0.46	1292	1.277	162973	498688	962923	SLV 5	0.57	2433	1.655	Si
67	-1763	-5644	-8821	SLV 11	0.45	1252	1.26	139683	549819	962923	SLV 5	0.53	2023	1.534	Si
79	-1847	-5644	-8821	SLV 11	0.45	1212	1.244	115368	601093	962923	SLV 5	0.5	1723	1.437	Si
91	-1932	-5644	-8821	SLV 11	0.44	1174	1.228	90026	652494	962923	SLV 5	0.48	1497	1.356	Si
103	-2017	-5644	-8821	SLV 11	0.44	1136	1.211	63659	704012	962923	SLV 5	0.46	1324	1.29	Si
115	-2102	-5644	-8821	SLV 11	0.43	1099	1.195	36266	755640	962923	SLV 5	0.44	1189	1.234	Si
127	-2186	-5644	-8821	SLV 11	0.42	1062	1.178	7847	807372	962923	SLV 5	0.43	1081	1.187	Si
139	-2271	-5644	-8821	SLV 11	0.42	1027	1.162	-5183	-830510	-962923	SLV 11	0.42	1010	1.154	Si
145	-2314	-5644	-8821	SLV 11	0.42	1009	1.154	-5183	-830510	-962923	SLV 11	0.42	1010	1.154	Si
157	-2398	-5644	-8821	SLV 11	0.41	975	1.138	-5183	-830510	-962923	SLV 11	0.42	1010	1.154	Si
162	-2428	-5644	-8821	SLV 11	0.41	964	1.132	-5183	-830510	-962923	SLV 11	0.42	1010	1.154	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	-1402	-1981	-8821	SLD 11	0.5	1653	3.554	275483	115324	962923	SLD 1	0.6	2474	4.193	Si
24	-1466	-1981	-8821	SLD 11	0.49	1614	3.519	216709	164398	962923	SLD 5	0.6	2474	4.193	Si
36	-1551	-1981	-8821	SLD 11	0.49	1565	3.475	195984	186792	962923	SLD 5	0.54	2116	3.933	Si
48	-1636	-1981	-8821	SLD 11	0.48	1517	3.431	174233	209291	962923	SLD 5	0.5	1682	3.579	Si
54	-1678	-1981	-8821	SLD 11	0.48	1493	3.409	172051	211515	962923	SLD 5	0.5	1647	3.549	Si
67	-1763	-1981	-8821	SLD 11	0.47	1447	3.365	172051	211515	962923	SLD 5	0.5	1647	3.549	Si
79	-1847	-1981	-8821	SLD 11	0.47	1401	3.321	172051	211515	962923	SLD 5	0.5	1647	3.549	Si
91	-1932	-1981	-8821	SLD 11	0.46	1356	3.277	90026	288606	962923	SLD 5	0.41	938	2.817	Si
103	-2017	-1981	-8821	SLD 11	0.46	1313	3.234	63659	311394	962923	SLD 5	0.39	838	2.69	Si
115	-2102	-1981	-8821	SLD 11	0.45	1270	3.19	36266	334230	962923	SLD 5	0.37	759	2.583	Si
127	-2186	-1981	-8821	SLD 11	0.45	1228	3.146	7847	357113	962923	SLD 5	0.36	696	2.493	Si
139	-2271	-1981	-8821	SLD 11	0.44	1187	3.103	-5183	-367347	-962923	SLD 11	0.35	653	2.429	Si
145	-2314	-1981	-8821	SLD 11	0.44	1167	3.081	-5183	-367347	-962923	SLD 11	0.35	653	2.429	Si
157	-2398	-1981	-8821	SLD 11	0.43	1127	3.037	-5183	-367347	-962923	SLD 11	0.35	653	2.429	Si
162	-2428	-1981	-8821	SLD 11	0.43	1113	3.022	-5183	-367347	-962923	SLD 11	0.35	653	2.429	Si

Campata 3 tra i fili 15 - 4, sezione R 40x70, asta 1165

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	4871	SLU 11	4871	962923	0.078	-143058	SLU 26	-116541	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	30238	SLU 11	61427	962923	0.078	-95307	SLU 26	-95307	-962923	0.078	Si
45	7.6	5.4	7.6	5.4	57915	SLU 11	87502	962923	0.078	-40613	SLU 26	-95307	-962923	0.078	Si
68	7.6	5.4	7.6	5.4	80431	SLU 29	109642	962923	0.078	210	SLU 8	-53933	-962923	0.078	Si
91	7.6	5.4	7.6	5.4	104104	SLU 29	126353	962923	0.078	30273	SLU 8	-9319	-962923	0.078	Si
102	7.6	5.4	7.6	5.4	113905	SLU 29	132673	962923	0.078						Si
125	7.6	5.4	7.6	5.4	129436	SLU 29	141242	962923	0.078						Si
147	7.6	5.4	7.6	5.4	139538	SLU 29	147836	962923	0.078						Si
170	7.6	5.4	7.6	5.4	145574	SLU 30	153329	962923	0.078						Si
193	7.6	5.4	7.6	5.4	152494	SLU 36	158296	962923	0.078						Si
215	7.6	5.4	7.6	5.4	157387	SLU 35	159249	962923	0.078						Si
238	7.6	5.4	7.6	5.4	159249	SLU 35	159249	962923	0.078						Si
261	7.6	5.4	7.6	5.4	155683	SLU 35	159249	962923	0.078						Si
272	7.6	5.4	7.6	5.4	151865	SLU 35	158769	962923	0.078						Si
295	7.6	5.4	10.48	5.4	140156	SLU 35	154022	1305077	0.084						Si
320	7.6	5.4	11.4	5.4	120525	SLU 35	142310	1414576	0.086						Si
340	7.6	5.4	11.4	5.4	100455	SLU 35	100455	1414576	0.086	-8838	SLU 2	-5815	-963377	0.08	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	324215	SLV 7	298768	962923	0.078	-418692	SLV 9	-359675	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	275123	SLV 7	275123	962923	0.078	-309619	SLV 9	-309619	-962923	0.078	Si
45	7.6	5.4	7.6	5.4	208622	SLV 7	275123	962923	0.078	-176049	SLV 9	-309619	-962923	0.078	Si
68	7.6	5.4	7.6	5.4	164511	SLV 3	225803	962923	0.078	-80940	SLV 13	-209407	-962923	0.078	Si
91	7.6	5.4	7.6	5.4	159628	SLV 1	233844	962923	0.078	-33411	SLV 15	-97950	-962923	0.078	Si
102	7.6	5.4	7.6	5.4	176262	SLV 1	282126	962923	0.078	-31852	SLV 15	-100857	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	255069	SLV 5	375902	962923	0.078	-80539	SLV 11	-175222	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	349907	SLV 5	465932	962923	0.078	-153608	SLV 11	-254194	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	440987	SLV 5	552308	962923	0.078	-231270	SLV 11	-337862	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	528379	SLV 5	635155	962923	0.078	-313595	SLV 11	-426353	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	612208	SLV 5	714567	962923	0.078	-400708	SLV 11	-519759	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	692583	SLV 5	790554	962923	0.078	-492719	SLV 11	-618091	-962923	0.078	Si
261	7.6	5.4	7.6	5.4	769544	SLV 5	863034	962923	0.078	-589666	SLV 11	-721268	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	806729	SLV 5	882088	962923	0.078	-639975	SLV 11	-758802	-962923	0.078	Si
295	7.6	5.4	10.48	5.4	878434	SLV 5	954138	1305077	0.084	-744193	SLV 11	-866306	-963292	0.079	Si
320	7.6	5.4	11.4	5.4	954138	SLV 9	954138	1414576	0.086	-866306	SLV 7	-866306	-963377	0.08	Si
340	7.6	5.4	11.4	5.4	1010700	SLV 9	981567	1414576	0.086	-966539	SLV 7	-912578	-963377	0.08	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	117033	SLD 7	115140	962923	0.078	-211510	SLD 9	-176048	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	112049	SLD 7	112049	962923	0.078	-146545	SLD 9	-146545	-962923	0.078	Si
45	7.6	5.4	7.6	5.4	101342	SLD 7	112049	962923	0.078	-68769	SLD 9	-146545	-962923	0.078	Si
68	7.6	5.4	7.6	5.4	96086	SLD 3	112845	962923	0.078	-12515	SLD 13	-88033	-962923	0.078	Si
91	7.6	5.4	7.6	5.4	105822	SLD 1	150407	962923	0.078	20395	SLD 15	-23892	-962923	0.078	Si
102	7.6	5.4	7.6	5.4	118252	SLD 1	175339	962923	0.078	26158	SLD 15	-4276	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	161494	SLD 5	222222	962923	0.078	13036	SLD 11	-21543	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	209505	SLD 5	265120	962923	0.078	-13206	SLD 11	-53382	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	253525	SLD 5	304074	962923	0.078	-43808	SLD 11	-89627	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	293586	SLD 5	339137	962923	0.078	-78802	SLD 11	-130334	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	329741	SLD 5	370352	962923	0.078	-118241	SLD 11	-175544	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	362040	SLD 5	397724	962923	0.078	-162176	SLD 11	-225261	-962923	0.078	Si
261	7.6	5.4	7.6	5.4	390501	SLD 5	421217	962923	0.078	-210623	SLD 11	-279451	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	403285	SLD 5	425928	962923	0.078	-236532	SLD 11	-301205	-962923	0.078	Si
295	7.6	5.4	10.48	5.4	425928	SLD 5	446466	1305077	0.084	-291688	SLD 11	-358633	-963292	0.079	Si
320	7.6	5.4	11.4	5.4	446466	SLD 9	446466	1414576	0.086	-358633	SLD 7	-358633	-963377	0.08	Si
340	7.6	5.4	11.4	5.4	459301	SLD 9	453341	1414576	0.086	-415140	SLD 7	-384352	-963377	0.08	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2320	SLU 26	2320	8821	68363	0	8821	1	Si
20	0.06	7.6	0	2123	SLU 26	2123	8821	68363	7003	8821	1	Si
45	0.06	7.6	0	1875	SLU 26	1875	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	1653	SLU 26	1653	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	1431	SLU 26	1431	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	1319	SLU 26	1319	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	1097	SLU 26	1097	8821	68363	7003	8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
147	0.06	7.6	0	875	SLU 26	875	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	653	SLU 26	653	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	-25	SLU 11	-25	-8821	-68363	-7003	-8821	1	Si
193	0.06	7.6	0	430	SLU 26	430	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	-196	SLU 11	-196	-8821	-68363	-7003	-8821	1	Si
215	0.06	7.6	0	208	SLU 26	208	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	-367	SLU 11	-367	-8821	-68363	-7003	-8821	1	Si
238	0.06	7.6	0	34	SLU 8	34	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	-587	SLU 29	-587	-8821	-68363	-7003	-8821	1	Si
261	0.06	7.6	0	-809	SLU 29	-809	-8821	-68363	-7003	-8821	1	Si
272	0.06	7.6	0	-920	SLU 29	-920	-8821	-68363	-7003	-8821	1	Si
295	0.06	7.6	0	-1142	SLU 29	-1142	-8821	-68363	-7003	-8821	1	Si
320	0.06	7.6	0	-1391	SLU 29	-1391	-8821	-68363	-7003	-8821	1	Si
340	0	7.6	0	-1587	SLU 29	-1587	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5157	SLV 9	6115	8821	68363	0	8821	1	Si
0	0	7.6	0	-2214	SLV 7	-3172	-8821	-68363	0	-8821	1	Si
20	0.06	7.6	0	5006	SLV 9	5964	8821	68363	7003	8821	1	Si
20	0.06	7.6	0	-2364	SLV 7	-3323	-8821	-68363	-7003	-8821	1	Si
45	0.06	7.6	0	4815	SLV 9	5773	8821	68363	7003	8821	1	Si
45	0.06	7.6	0	-2556	SLV 7	-3514	-8821	-68363	-7003	-8821	1	Si
68	0.06	7.6	0	4644	SLV 9	5602	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	-2727	SLV 7	-3685	-8821	-68363	-7003	-8821	1	Si
91	0.06	7.6	0	4473	SLV 9	5431	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	-2897	SLV 7	-3856	-8821	-68363	-7003	-8821	1	Si
102	0.06	7.6	0	4387	SLV 9	5345	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	-2983	SLV 7	-3941	-8821	-68363	-7003	-8821	1	Si
125	0.06	7.6	0	4216	SLV 9	5174	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	-3154	SLV 7	-4112	-8821	-68363	-7003	-8821	1	Si
147	0.06	7.6	0	4045	SLV 9	5003	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	-3325	SLV 7	-4283	-8821	-68363	-7003	-8821	1	Si
170	0.06	7.6	0	3874	SLV 9	4832	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	-3496	SLV 7	-4454	-8821	-68363	-7003	-8821	1	Si
193	0.06	7.6	0	3703	SLV 9	4661	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	-3667	SLV 7	-4625	-8821	-68363	-7003	-8821	1	Si
215	0.06	7.6	0	3532	SLV 9	4490	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	-3838	SLV 7	-4796	-8821	-68363	-7003	-8821	1	Si
238	0.06	7.6	0	3361	SLV 9	4320	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	-4009	SLV 7	-4967	-8821	-68363	-7003	-8821	1	Si
261	0.06	7.6	0	3190	SLV 9	4149	8821	68363	7003	8821	1	Si
261	0.06	7.6	0	-4180	SLV 7	-5138	-8821	-68363	-7003	-8821	1	Si
272	0.06	7.6	0	3105	SLV 9	4063	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	-4265	SLV 7	-5223	-8821	-68363	-7003	-8821	1	Si
295	0.06	7.6	0	2934	SLV 9	3892	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	-4436	SLV 7	-5394	-8821	-68363	-7003	-8821	1	Si
320	0.06	7.6	0	2743	SLV 9	3701	8821	68363	7003	8821	1	Si
320	0.06	7.6	0	-4627	SLV 7	-5585	-8821	-68363	-7003	-8821	1	Si
340	0	7.6	0	2592	SLV 9	3550	8821	68363	0	8821	1	Si
340	0	7.6	0	-4778	SLV 7	-5736	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3101	SLD 9	3101	8821	68363	0	8821	1	Si
0	0	7.6	0	-158	SLD 7	-158	-8821	-68363	0	-8821	1	Si
20	0.06	7.6	0	2950	SLD 9	2950	8821	68363	7003	8821	1	Si
20	0.06	7.6	0	-309	SLD 7	-309	-8821	-68363	-7003	-8821	1	Si
45	0.06	7.6	0	2759	SLD 9	2759	8821	68363	7003	8821	1	Si
45	0.06	7.6	0	-500	SLD 7	-500	-8821	-68363	-7003	-8821	1	Si
68	0.06	7.6	0	2588	SLD 9	2588	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	-671	SLD 7	-671	-8821	-68363	-7003	-8821	1	Si
91	0.06	7.6	0	2417	SLD 9	2417	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	-842	SLD 7	-842	-8821	-68363	-7003	-8821	1	Si
102	0.06	7.6	0	2332	SLD 9	2332	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	-928	SLD 7	-928	-8821	-68363	-7003	-8821	1	Si
125	0.06	7.6	0	2161	SLD 9	2161	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	-1099	SLD 7	-1099	-8821	-68363	-7003	-8821	1	Si
147	0.06	7.6	0	1990	SLD 9	1990	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	-1270	SLD 7	-1270	-8821	-68363	-7003	-8821	1	Si
170	0.06	7.6	0	1819	SLD 9	1819	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	-1441	SLD 7	-1441	-8821	-68363	-7003	-8821	1	Si
193	0.06	7.6	0	1648	SLD 9	1648	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	-1611	SLD 7	-1611	-8821	-68363	-7003	-8821	1	Si
215	0.06	7.6	0	1477	SLD 9	1477	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	-1782	SLD 7	-1782	-8821	-68363	-7003	-8821	1	Si
238	0.06	7.6	0	1306	SLD 9	1306	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	-1953	SLD 7	-1953	-8821	-68363	-7003	-8821	1	Si
261	0.06	7.6	0	1135	SLD 9	1135	8821	68363	7003	8821	1	Si
261	0.06	7.6	0	-2124	SLD 7	-2124	-8821	-68363	-7003	-8821	1	Si
272	0.06	7.6	0	1050	SLD 9	1050	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	-2210	SLD 7	-2210	-8821	-68363	-7003	-8821	1	Si
295	0.06	7.6	0	879	SLD 9	879	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	-2381	SLD 7	-2381	-8821	-68363	-7003	-8821	1	Si
320	0.06	7.6	0	688	SLD 9	688	8821	68363	7003	8821	1	Si
320	0.06	7.6	0	-2572	SLD 7	-2572	-8821	-68363	-7003	-8821	1	Si
340	0	7.6	0	537	SLD 9	537	8821	68363	0	8821	1	Si
340	0	7.6	0	-2723	SLD 7	-2723	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-99815	8	-79808	2.1	124.5	31.2	1837	-76254	1	-57931	2.6	93.4	0	+∞	Si
20	182	2	35312	0.9	124.5	13.8	1837								Si
20	-63812	8	-63812	1.7	124.5	24.9	1837	-43393	1	-43393	1.9	93.4	0	+∞	Si
45	31293	2	60330	1.6	124.5	23.6	1837	16286	2	48104	2.2	93.4	0	+∞	Si
45	-22663	8	-63812	1.7	124.5	24.9	1837	-6224	1	-43393	1.9	93.4	0	+∞	Si
68	54624	2	78306	2	124.5	30.6	1837	41785	2	68248	3.1	93.4	0	+∞	Si
91	73779	2	92106	2.4	124.5	36	1837	63109	2	84216	3.8	93.4	0	+∞	Si
102	81791	2	97440	2.5	124.5	38.1	1837	72205	2	90635	4.1	93.4	0	+∞	Si
125	94683	2	104977	2.7	124.5	41	1837	87265	2	100340	4.5	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
147	103399	2	110640	2.9	124.5	43.2	1837	98149	2	105869	4.7	93.4	0	+∞	Si
170	108848	3	115014	3	124.5	45	1837	104859	2	107392	4.8	93.4	0	+∞	Si
193	114330	9	118479	3.1	124.5	46.3	1837	107392	2	107632	4.8	93.4	0	+∞	Si
215	117902	8	118922	3.1	124.5	46.5	1837	107632	1	107632	4.8	93.4	0	+∞	Si
238	118898	8	118922	3.1	124.5	46.5	1837	105067	1	107632	4.8	93.4	0	+∞	Si
261	115719	8	118912	3.1	124.5	46.5	1837	98326	1	106086	4.8	93.4	0	+∞	Si
272	112563	8	118434	3.1	124.5	46.3	1837	93390	1	103828	4.7	93.4	0	+∞	Si
295	103120	8	114346	4.6	124.5	185.3	1837	80385	1	96179	3.8	93.4	0	+∞	Si
320	87531	8	104849	4.1	124.5	156.6	1837	60816	1	82701	3.2	93.4	0	+∞	Si
340	71708	8	71708	2.8	124.5	107.1	1837	41850	1	41850	1.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
45	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
68	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.004	2	9999	Si
91	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
102	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.004	0.003	0.007	2	0.006	2	9999	Si
125	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
147	0.005	0.004	0.003	0.003	0.005	0.004	0.003	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
170	0.005	0.004	0.004	0.003	0.005	0.004	0.003	0.003	0.005	0.004	0.009	2	0.008	2	9999	Si
181	0.005	0.004	0.004	0.003	0.005	0.004	0.003	0.003	0.005	0.004	0.009	2	0.009	2	9999	Si
193	0.005	0.004	0.004	0.003	0.005	0.004	0.003	0.003	0.005	0.004	0.009	2	0.009	2	9999	Si
215	0.005	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
238	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
261	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
272	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
295	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
320	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1321	4643	8821	SLV 9	0.57	2474	1.666	-17248	-292371	-962923	SLV 9	0.57	2474	1.666	Si
45	1130	4643	8821	SLV 9	0.57	2474	1.666	-17248	-292371	-962923	SLV 9	0.57	2474	1.666	Si
68	959	4643	8821	SLV 9	0.57	2474	1.666	8198	217605	962923	SLV 7	0.57	2474	1.666	Si
91	788	4643	8821	SLV 9	0.57	2474	1.666	84216	149628	962923	SLV 5	0.57	2474	1.666	Si
102	702	4643	8821	SLV 9	0.57	2474	1.666	90635	191492	962923	SLV 5	0.57	2474	1.666	Si
125	531	4643	8821	SLV 9	0.57	2474	1.666	100340	275562	962923	SLV 5	0.57	2474	1.666	Si
147	360	4643	8821	SLV 9	0.57	2474	1.666	105869	360063	962923	SLV 5	0.57	2474	1.666	Si
170	189	4643	8821	SLV 9	0.57	2474	1.666	107223	445085	962923	SLV 5	0.57	2474	1.666	Si
193	18	4643	8821	SLV 9	0.57	2474	1.666	104401	530754	962923	SLV 5	0.57	2474	1.666	Si
215	-153	-4643	-8821	SLV 7	0.57	2474	1.666	97404	617163	962923	SLV 5	0.5	1698	1.428	Si
238	-324	-4643	-8821	SLV 7	0.57	2474	1.666	86231	704322	962923	SLV 5	0.45	1237	1.254	Si
261	-495	-4643	-8821	SLV 7	0.57	2474	1.666	70883	792151	962923	SLV 5	0.41	951	1.126	Si
272	-580	-4643	-8821	SLV 7	0.57	2474	1.666	61643	820445	962923	SLV 9	0.4	895	1.098	Si
295	-751	-4643	-8821	SLV 7	0.57	2474	1.666	43916	-910222	-963292	SLV 7	0.4	911	1.106	Si
320	-942	-4643	-8821	SLV 7	0.57	2474	1.666	43916	-910222	-963377	SLV 7	0.4	911	1.106	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1321	1630	8821	SLD 9	0.6	2474	4.193	-17248	-129297	-962923	SLD 9	0.6	2474	4.193	Si
45	1130	1630	8821	SLD 9	0.6	2474	4.193	-17248	-129297	-962923	SLD 9	0.6	2474	4.193	Si
68	959	1630	8821	SLD 9	0.6	2474	4.193	8198	96231	962923	SLD 7	0.6	2474	4.193	Si
91	788	1630	8821	SLD 9	0.6	2474	4.193	84216	66190	962923	SLD 5	0.6	2474	4.193	Si
102	702	1630	8821	SLD 9	0.6	2474	4.193	90635	84704	962923	SLD 5	0.6	2474	4.193	Si
125	531	1630	8821	SLD 9	0.6	2474	4.193	100340	121883	962923	SLD 5	0.6	2474	4.193	Si
147	360	1630	8821	SLD 9	0.6	2474	4.193	105869	159251	962923	SLD 5	0.6	2474	4.193	Si
170	189	1630	8821	SLD 9	0.6	2474	4.193	107223	196851	962923	SLD 5	0.57	2465	4.187	Si
193	18	1630	8821	SLD 9	0.6	2474	4.193	104401	234736	962923	SLD 5	0.49	1552	3.463	Si
215	-153	-1630	-8821	SLD 7	0.6	2474	4.193	97404	272948	962923	SLD 5	0.42	1062	2.964	Si
238	-324	-1630	-8821	SLD 7	0.6	2474	4.193	86231	311493	962923	SLD 5	0.38	787	2.622	Si
261	-495	-1630	-8821	SLD 7	0.6	2474	4.193	70883	350334	962923	SLD 5	0.34	617	2.373	Si
272	-580	-1630	-8821	SLD 7	0.6	2474	4.193	61643	362848	962923	SLD 9	0.34	582	2.317	Si
295	-751	-1630	-8821	SLD 7	0.6	2474	4.193	43916	-402550	-963292	SLD 7	0.34	592	2.333	Si
320	-942	-1630	-8821	SLD 7	0.6	2474	4.193	43916	-402550	-963377	SLD 7	0.34	592	2.333	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 36C-(3031; 3566)

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 36C - ?, sezione R 40x70, asta 1210

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	38.01	7.8	26.61	5.4						-462448	SLU 20	-404819	-4379476	0.116	Si
22	38.01	7.8	26.61	5.4						-404974	SLU 29	-394409	-4379476	0.116	Si
40	38.01	7.8	26.61	5.4						-369337	SLU 29	-369337	-4379476	0.116	Si
65	38.01	7.8	26.61	5.4						-333465	SLU 29	-369337	-4379476	0.116	Si
87	37.17	7.8	26.61	5.4						-318380	SLU 36	-342693	-4286448	0.115	Si
97	35.13	7.7	26.61	5.4						-320741	SLU 36	-342517	-4061646	0.112	Si
119	31.04	7.4	24.03	5.4						-334635	SLU 36	-372823	-3611414	0.109	Si
141	22.81	6.7	15.21	5.4						-360761	SLU 36	-415364	-2703958	0.105	Si
162	22.81	6.7	15.21	5.4						-399121	SLU 36	-470144	-2703958	0.105	Si
184	22.81	6.7	15.21	5.4						-449718	SLU 36	-537164	-2703958	0.105	Si
206	22.81	6.7	15.21	5.4						-512556	SLU 36	-616429	-2703958	0.105	Si
227	22.81	6.7	15.21	5.4						-587636	SLU 36	-707940	-2703958	0.105	Si
249	22.81	6.7	15.21	5.4						-674963	SLU 36	-812294	-2703958	0.105	Si
260	22.81	6.7	15.21	5.4						-723219	SLU 36	-870184	-2703958	0.105	Si
282	22.81	6.7	15.21	5.4						-829960	SLU 35	-960743	-2703958	0.105	Si
305	22.81	6.7	15.21	5.4						-960743	SLU 35	-960743	-2703958	0.105	Si
325	22.81	6.7	15.21	5.4						-1083785	SLU 35	-1021150	-2703958	0.105	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	38.01	7.8	26.61	5.4	3205796	SLV 15	2967168	3249410	0.137	-3874872	SLV 1	-3554585	-4379476	0.116	Si
22	38.01	7.8	26.61	5.4	2936285	SLV 15	2889099	3249410	0.137	-3523901	SLV 1	-3460559	-4379476	0.116	Si
40	38.01	7.8	26.61	5.4	2701087	SLV 15	2701087	3249410	0.137	-3234118	SLV 1	-3234118	-4379476	0.116	Si
65	38.01	7.8	26.61	5.4	2370714	SLV 15	2701087	3249410	0.137	-2848687	SLV 1	-3234118	-4379476	0.116	Si
87	37.17	7.8	26.61	5.4	2074675	SLV 15	2469606	3249263	0.136	-2524472	SLV 1	-2961759	-4286448	0.115	Si
97	35.13	7.7	26.61	5.4	1923351	SLV 15	2324198	3248836	0.136	-2365722	SLV 1	-2797007	-4061646	0.112	Si
119	31.04	7.4	24.03	5.4	1614113	SLV 15	2026764	2960313	0.13	-2054962	SLV 1	-2474209	-3611414	0.109	Si
141	22.81	6.7	15.21	5.4	1296140	SLV 15	1720526	1926700	0.103	-1753241	SLV 1	-2160377	-2703958	0.105	Si
162	22.81	6.7	15.21	5.4	969550	SLV 15	1405532	1926700	0.103	-1460680	SLV 1	-1855561	-2703958	0.105	Si
184	22.81	6.7	15.21	5.4	634616	SLV 15	1081872	1926700	0.103	-1177557	SLV 1	-1559855	-2703958	0.105	Si
206	22.81	6.7	15.21	5.4	292132	SLV 15	749753	1926700	0.103	-904668	SLV 1	-1273471	-2703958	0.105	Si
227	22.81	6.7	15.21	5.4	-54790	SLV 15	409736	1926700	0.103	-645132	SLV 1	-996973	-2703958	0.105	Si
249	22.81	6.7	15.21	5.4	-328738	SLV 3	63829	1926700	0.103	-476360	SLV 13	-941721	-2703958	0.105	Si
260	22.81	6.7	15.21	5.4	-232092	SLV 3	84899	1926700	0.103	-632269	SLV 13	-1130755	-2703958	0.105	Si
282	22.81	6.7	15.21	5.4	4643	SLV 3	255277	1926700	0.103	-1000876	SLV 13	-1413725	-2703958	0.105	Si
305	22.81	6.7	15.21	5.4	255277	SLV 1	255277	1926700	0.103	-1413725	SLV 15	-1413725	-2703958	0.105	Si
325	22.81	6.7	15.21	5.4	463208	SLV 1	364129	1926700	0.103	-1776596	SLV 15	-1598147	-2703958	0.105	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	38.01	7.8	26.61	5.4	1230121	SLD 15	1147461	3249410	0.137	-1899197	SLD 1	-1734878	-4379476	0.116	Si
22	38.01	7.8	26.61	5.4	1133759	SLD 15	1117417	3249410	0.137	-1721376	SLD 1	-1688877	-4379476	0.116	Si
40	38.01	7.8	26.61	5.4	1045060	SLD 15	1045060	3249410	0.137	-1578092	SLD 1	-1578092	-4379476	0.116	Si
65	38.01	7.8	26.61	5.4	914437	SLD 15	1045060	3249410	0.137	-1392410	SLD 1	-1578092	-4379476	0.116	Si
87	37.17	7.8	26.61	5.4	791483	SLD 15	954179	3249263	0.136	-1241280	SLD 1	-1446332	-4286448	0.115	Si
97	35.13	7.7	26.61	5.4	726686	SLD 15	895323	3248836	0.136	-1169058	SLD 1	-1368132	-4061646	0.112	Si
119	31.04	7.4	24.03	5.4	590462	SLD 15	770967	2960313	0.13	-1031311	SLD 1	-1218413	-3611414	0.109	Si
141	22.81	6.7	15.21	5.4	445417	SLD 15	637763	1926700	0.103	-902518	SLD 1	-1077615	-2703958	0.105	Si
162	22.81	6.7	15.21	5.4	291602	SLD 15	495730	1926700	0.103	-782732	SLD 1	-945759	-2703958	0.105	Si
184	22.81	6.7	15.21	5.4	129135	SLD 15	344905	1926700	0.103	-672076	SLD 1	-822889	-2703958	0.105	Si
206	22.81	6.7	15.21	5.4	-41636	SLD 15	185379	1926700	0.103	-570901	SLD 1	-709098	-2703958	0.105	Si
227	22.81	6.7	15.21	5.4	-219358	SLD 15	17396	1926700	0.103	-480563	SLD 1	-604633	-2703958	0.105	Si
249	22.81	6.7	15.21	5.4						-434730	SLD 13	-687834	-2703958	0.105	Si
260	22.81	6.7	15.21	5.4						-520262	SLD 13	-791246	-2703958	0.105	Si
282	22.81	6.7	15.21	5.4						-720001	SLD 13	-947716	-2703958	0.105	Si
305	22.81	6.7	15.21	5.4						-947716	SLD 15	-947716	-2703958	0.105	Si
325	22.81	6.7	15.21	5.4						-1151306	SLD 15	-1050298	-2703958	0.105	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	38.01	0	3053	SLU 20	3053	14807	65823	0	14807	1	Si
22	0	37.17	0	2522	SLU 20	2522	14697	65823	0	14697	1	Si
40	0.187	35.13	0	2072	SLU 20	2072	14423	65823	20869	20869	1	Si
65	0.187	29	0	1459	SLU 20	1459	13530	65823	20869	20869	1	Si
65	0.187	29	0	-12	SLU 17	-12	-13530	-65823	-20869	-20869	1	Si
87	0.187	22.81	0	927	SLU 20	927	12493	65862	20882	20882	1	Si
87	0.187	22.81	0	-472	SLU 17	-472	-12493	-65862	-20882	-20882	1	Si
97	0.187	22.81	0	662	SLU 20	662	12502	65962	20913	20913	1	Si
97	0.187	22.81	0	-702	SLU 17	-702	-12502	-65962	-20913	-20913	1	Si
119	0.185	22.81	0	130	SLU 20	130	12524	66203	20796	20796	1	Si
119	0.185	22.81	0	-1163	SLU 17	-1163	-12524	-66203	-20796	-20796	1	Si
141	0.185	22.81	0	-1657	SLU 35	-1657	-12593	-66952	-21031	-21031	1	Si
162	0.185	22.81	0	-2235	SLU 35	-2235	-12593	-66952	-21031	-21031	1	Si
184	0.185	22.81	0	-2814	SLU 35	-2814	-12593	-66952	-21031	-21031	1	Si
206	0.185	22.81	0	-3392	SLU 35	-3392	-12593	-66952	-21031	-21031	1	Si
227	0.185	22.81	0	-3970	SLU 35	-3970	-12593	-66952	-21031	-21031	1	Si
249	0.201	22.81	0	-4549	SLU 35	-4549	-12593	-66952	-22860	-22860	1	Si
260	0.201	22.81	0	-4838	SLU 35	-4838	-12593	-66952	-22860	-22860	1	Si
282	0.201	22.81	0	-5417	SLU 35	-5417	-12593	-66952	-22860	-22860	1	Si
305	0.201	22.81	0	-6041	SLU 35	-6041	-12593	-66952	-22860	-22860	1	Si
325	0	22.81	0	-6575	SLU 35	-6575	-12593	-66952	0	-12593	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	38.01	0	16798	SLV 1	20610	14807	65823	0	14807	1	Si
0	0	26.61	0	-12530	SLV 15	-16342	-13392	-68363	0	-13392	1	Si
22	0	37.17	0	16378	SLV 1	20191	14697	65823	0	14697	1	Si
22	0	26.61	0	-12949	SLV 15	-16762	-13392	-68363	0	-13392	1	Si
40	0.187	35.13	0	16023	SLV 1	19836	14423	65823	20869	20869	1	Si
40	0.187	26.21	0	-13304	SLV 15	-17117	-13326	-68363	-21675	-21675	1	Si
65	0.187	29	0	15539	SLV 1	19352	13530	65823	20869	20869	1	Si
65	0.187	21.84	0	-13788	SLV 15	-17601	-12538	-68363	-21675	-21675	1	Si
87	0.187	22.81	0	15119	SLV 1	18932	12493	65862	20882	20882	1	Si
87	0.187	15.21	0	-14208	SLV 15	-18020	-11113	-68363	-21675	-21675	1	Si
97	0.187	22.81	0	14910	SLV 1	18722	12502	65962	20913	20913	1	Si
97	0.187	15.21	0	-14418	SLV 15	-18230	-11113	-68363	-21675	-21675	1	Si
119	0.185	22.81	0	14490	SLV 1	18302	12524	66203	20796	20796	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
119	0.185	15.21	0	-14838	SLV 15	-18650	-11113	-68363	-21474	-21474	1	Si
141	0.185	22.81	0	14070	SLV 1	17882	12593	66952	21031	21031	1	Si
141	0.185	15.21	0	-15258	SLV 15	-19070	-11113	-68363	-21474	-21474	1	Si
162	0.185	22.81	0	13650	SLV 1	17462	12593	66952	21031	21031	1	Si
162	0.185	15.21	0	-15678	SLV 15	-19490	-11113	-68363	-21474	-21474	1	Si
184	0.185	22.81	0	13230	SLV 1	17042	12593	66952	21031	21031	1	Si
184	0.185	15.21	0	-16098	SLV 15	-19910	-11113	-68363	-21474	-21474	1	Si
206	0.185	22.81	0	12810	SLV 1	16622	12593	66952	21031	21031	1	Si
206	0.185	15.21	0	-16518	SLV 15	-20330	-11113	-68363	-21474	-21474	1	Si
227	0.185	22.81	0	12389	SLV 1	16202	12593	66952	21031	21031	1	Si
227	0.185	22.81	0	-16938	SLV 15	-20751	-12593	-66952	-21031	-21031	1	Si
249	0.201	22.81	0	11969	SLV 1	15781	12593	66952	22860	22860	1	Si
249	0.201	22.81	0	-17359	SLV 15	-21171	-12593	-66952	-22860	-22860	1	Si
260	0.201	22.81	0	11759	SLV 1	15571	12593	66952	22860	22860	1	Si
260	0.201	22.81	0	-17569	SLV 15	-21381	-12593	-66952	-22860	-22860	1	Si
282	0.201	22.81	0	11338	SLV 1	15151	12593	66952	22860	22860	1	Si
282	0.201	22.81	0	-17989	SLV 15	-21802	-12593	-66952	-22860	-22860	1	Si
305	0.201	15.21	0	10885	SLV 1	14698	11113	68363	23342	23342	1	Si
305	0.201	22.81	0	-18442	SLV 15	-22255	-12593	-66952	-22860	-22860	1	Si
325	0	15.21	0	10497	SLV 1	14309	11113	68363	0	11113	1	Si
325	0	22.81	0	-18830	SLV 15	-22643	-12593	-66952	0	-12593	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	38.01	0	8614	SLD 1	8614	14807	65823	0	14807	1	Si
0	0	26.61	0	-4346	SLD 15	-4346	-13392	-68363	0	-13392	1	Si
22	0	37.17	0	8194	SLD 1	8194	14697	65823	0	14697	1	Si
22	0	26.61	0	-4765	SLD 15	-4765	-13392	-68363	0	-13392	1	Si
40	0.187	35.13	0	7839	SLD 1	7839	14423	65823	20869	20869	1	Si
40	0.187	26.21	0	-5120	SLD 15	-5120	-13326	-68363	-21675	-21675	1	Si
65	0.187	29	0	7355	SLD 1	7355	13530	65823	20869	20869	1	Si
65	0.187	21.84	0	-5604	SLD 15	-5604	-12538	-68363	-21675	-21675	1	Si
87	0.187	22.81	0	6935	SLD 1	6935	12493	65862	20882	20882	1	Si
87	0.187	15.21	0	-6024	SLD 15	-6024	-11113	-68363	-21675	-21675	1	Si
97	0.187	22.81	0	6726	SLD 1	6726	12502	65962	20913	20913	1	Si
97	0.187	15.21	0	-6234	SLD 15	-6234	-11113	-68363	-21675	-21675	1	Si
119	0.185	22.81	0	6306	SLD 1	6306	12524	66203	20796	20796	1	Si
119	0.185	15.21	0	-6654	SLD 15	-6654	-11113	-68363	-21474	-21474	1	Si
141	0.185	22.81	0	5886	SLD 1	5886	12593	66952	21031	21031	1	Si
141	0.185	15.21	0	-7074	SLD 15	-7074	-11113	-68363	-21474	-21474	1	Si
162	0.185	22.81	0	5466	SLD 1	5466	12593	66952	21031	21031	1	Si
162	0.185	15.21	0	-7494	SLD 15	-7494	-11113	-68363	-21474	-21474	1	Si
184	0.185	22.81	0	5046	SLD 1	5046	12593	66952	21031	21031	1	Si
184	0.185	15.21	0	-7914	SLD 15	-7914	-11113	-68363	-21474	-21474	1	Si
206	0.185	22.81	0	4625	SLD 1	4625	12593	66952	21031	21031	1	Si
206	0.185	22.81	0	-8334	SLD 15	-8334	-12593	-66952	-21031	-21031	1	Si
227	0.185	22.81	0	4205	SLD 1	4205	12593	66952	21031	21031	1	Si
227	0.185	22.81	0	-8754	SLD 15	-8754	-12593	-66952	-21031	-21031	1	Si
249	0.201	22.81	0	3785	SLD 1	3785	12593	66952	22860	22860	1	Si
249	0.201	22.81	0	-9175	SLD 15	-9175	-12593	-66952	-22860	-22860	1	Si
260	0.201	22.81	0	3575	SLD 1	3575	12593	66952	22860	22860	1	Si
260	0.201	22.81	0	-9385	SLD 15	-9385	-12593	-66952	-22860	-22860	1	Si
282	0.201	22.81	0	3154	SLD 1	3154	12593	66952	22860	22860	1	Si
282	0.201	22.81	0	-9805	SLD 15	-9805	-12593	-66952	-22860	-22860	1	Si
305	0.201	22.81	0	2701	SLD 1	2701	12593	66952	22860	22860	1	Si
305	0.201	22.81	0	-10258	SLD 15	-10258	-12593	-66952	-22860	-22860	1	Si
325	0	22.81	0	2313	SLD 1	2313	12593	66952	0	12593	1	Si
325	0	22.81	0	-10646	SLD 15	-10646	-12593	-66952	0	-12593	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-348166	2	-306364	6.8	124.5	156.1	1837	-334538	2	-293708	6.5	93.4	0	+∞	Si
22	-306357	2	-298087	6.6	124.5	151.9	1837	-293808	2	-285730	6.3	93.4	0	+∞	Si
40	-278152	2	-278152	6.1	124.5	141.7	1837	-266516	2	-266516	5.9	93.4	0	+∞	Si
65	-249378	2	-278152	6.1	124.5	141.7	1837	-238986	2	-266516	5.9	93.4	0	+∞	Si
87	-236326	9	-256837	5.7	124.5	133.5	1837	-224898	2	-246077	5.5	93.4	0	+∞	Si
97	-236816	9	-249822	5.6	124.5	136.3	1837	-221186	2	-236405	5.3	93.4	0	+∞	Si
119	-244741	9	-270171	6.4	124.5	164.6	1837	-220425	2	-233605	5.6	93.4	0	+∞	Si
141	-261925	9	-299782	8.5	124.5	240.4	1837	-228550	2	-253657	7.2	93.4	0	+∞	Si
162	-288372	9	-338659	9.6	124.5	271.6	1837	-245565	2	-282601	8	93.4	0	+∞	Si
184	-324082	9	-386802	11	124.5	310.2	1837	-271470	2	-320438	9.1	93.4	0	+∞	Si
206	-369059	9	-444214	12.6	124.5	356.3	1837	-306268	2	-367170	10.5	93.4	0	+∞	Si
227	-423303	9	-510897	14.5	124.5	409.8	1837	-349961	2	-422799	12	93.4	0	+∞	Si
249	-486818	9	-587248	16.7	124.5	471	1837	-402549	2	-487665	13.9	93.4	0	+∞	Si
260	-522052	9	-629647	17.9	124.5	505	1837	-432180	2	-524075	14.9	93.4	0	+∞	Si
282	-600170	8	-696107	19.8	124.5	558.3	1837	-498712	1	-581562	16.6	93.4	0	+∞	Si
305	-696107	8	-696107	19.8	124.5	558.3	1837	-581562	1	-581562	16.6	93.4	0	+∞	Si
325	-786622	8	-740491	21.1	124.5	593.9	1837	-660525	1	-620111	17.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
40	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
65	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.011	1	-0.012	1	9999	Si
87	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.014	1	-0.015	1	9999	Si
97	-0.008	-0.009	-0.007	-0.008	-0.008	-0.008	-0.007	-0.007	-0.008	-0.008	-0.015	1	-0.016	1	9999	Si
119	-0.009	-0.01	-0.008	-0.009	-0.009	-0.009	-0.008	-0.008	-0.009	-0.009	-0.018	1	-0.018	1	9999	Si
141	-0.009	-0.011	-0.009	-0.01	-0.009	-0.01	-0.009	-0.009	-0.009	-0.01	-0.019	1	-0.02	1	9999	Si
162	-0.01	-0.012	-0.009	-0.011	-0.01	-0.01	-0.009	-0.01	-0.01	-0.01	-0.02	1	-0.021	1	9999	Si
184	-0.01	-0.012	-0.009	-0.011	-0.01	-0.01	-0.009	-0.01	-0.01	-0.01	-0.02	1	-0.021	1	9999	Si
206	-0.01	-0.012	-0.009	-0.011	-0.01	-0.01	-0.009	-0.009	-0.01	-0.01	-0.02	1	-0.021	1	9999	Si
227	-0.009	-0.011	-0.009	-0.01	-0.009	-0.01	-0.009	-0.009	-0.009	-0.009	-0.019	1	-0.019	1	9999	Si
249	-0.008	-0.01	-0.008	-0.009	-0.008	-0.009	-0.008	-0.008	-0.008	-0.008	-0.017	1	-0.017	1	9999	Si
260	-0.008	-0.009	-0.007	-0.008	-0.008	-0.008	-0.007	-0.007	-0.008	-0.008	-0.016	1	-0.016	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
282	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.012	1	9999	Si
305	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
40	1360	18476	20869	SLV 1	0.38	812	1.055	-266516	2967603	3249410	SLV 15	0.43	1085	1.189	Si
65	875	18476	20869	SLV 1	0.39	863	1.082	-266516	2967603	3249410	SLV 15	0.43	1085	1.189	Si
87	456	18476	20882	SLV 1	0.4	909	1.105	-246077	2715682	3249263	SLV 15	0.46	1351	1.3	Si
97	246	18476	20913	SLV 1	0.41	935	1.118	-236405	2560603	3248836	SLV 15	0.49	1568	1.382	Si
119	-174	18476	20796	SLV 1	0.41	969	1.135	-223723	2250486	2960313	SLV 15	0.51	1739	1.442	Si
141	-594	-18476	-21474	SLV 15	0.41	959	1.13	-219926	1940452	1926700	SLV 15	0.4	910	1.106	Si
162	-1014	-18476	-21474	SLV 15	0.4	912	1.107	-225015	1630546	1926700	SLV 15	0.47	1443	1.336	Si
184	-1434	-18476	-21474	SLV 15	0.39	867	1.084	-238992	1320863	1926700	SLV 15	0.57	2474	1.666	Si
206	-1854	-18476	-21474	SLV 15	0.39	824	1.062	-261859	1011612	1926700	SLV 15	0.57	2474	1.666	Si
227	-2274	-18476	-21031	SLV 15	0.37	738	1.015	-293619	703354	1926700	SLV 15	0.57	2474	1.666	Si
249	-2695	-18476	-22860	SLV 15	0.4	881	1.091	-487326	-454395	-2703958	SLV 13	0.57	2474	1.666	Si
260	-2905	-18476	-22860	SLV 15	0.39	858	1.079	-522928	-607827	-2703958	SLV 13	0.57	2474	1.666	Si
282	-3326	-18476	-22860	SLV 15	0.38	815	1.057	-579224	-834501	-2703958	SLV 15	0.57	2474	1.666	Si
305	-3778	-18476	-22860	SLV 15	0.38	770	1.033	-579224	-834501	-2703958	SLV 15	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
40	1360	6480	20869	SLD 1	0.4	927	2.804	-266516	1311576	3249410	SLD 15	0.36	699	2.497	Si
65	875	6480	20869	SLD 1	0.41	987	2.877	-266516	1311576	3249410	SLD 15	0.36	699	2.497	Si
87	456	6480	20882	SLD 1	0.42	1045	2.945	-246077	1200255	3249263	SLD 15	0.39	856	2.714	Si
97	246	6480	20913	SLD 1	0.43	1079	2.984	-236405	1131727	3248836	SLD 15	0.41	980	2.868	Si
119	-174	6480	20796	SLD 1	0.43	1122	3.032	-223723	994690	2960313	SLD 15	0.43	1090	2.996	Si
141	-594	-6480	-21474	SLD 15	0.43	1109	3.017	-219926	857689	1926700	SLD 15	0.34	592	2.333	Si
162	-1014	-6480	-21474	SLD 15	0.42	1050	2.951	-225015	720744	1926700	SLD 15	0.4	909	2.781	Si
184	-1434	-6480	-21474	SLD 15	0.41	993	2.884	-238992	583897	1926700	SLD 15	0.49	1612	3.518	Si
206	-1854	-6480	-21031	SLD 15	0.4	890	2.757	-261859	447238	1926700	SLD 15	0.6	2474	4.193	Si
227	-2274	-6480	-21031	SLD 15	0.39	843	2.697	-293619	311015	1926700	SLD 15	0.6	2474	4.193	Si
249	-2695	-6480	-22860	SLD 15	0.42	1010	2.904	-487326	-200508	-2703958	SLD 13	0.6	2474	4.193	Si
260	-2905	-6480	-22860	SLD 15	0.41	982	2.871	-522928	-268318	-2703958	SLD 13	0.6	2474	4.193	Si
282	-3326	-6480	-22860	SLD 15	0.4	931	2.809	-579224	-368492	-2703958	SLD 15	0.6	2474	4.193	Si
305	-3778	-6480	-22860	SLD 15	0.4	879	2.743	-579224	-368492	-2703958	SLD 15	0.6	2474	4.193	Si

Campata 2 tra i fili ? - ?, sezione R 40x70, asta 1211

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	15.21	5.4						-1756459	SLU 36	-1621499	-2703958	0.105	Si
17	22.81	6.7	15.21	5.4						-1536530	SLU 36	-1532494	-2703958	0.105	Si
20	22.81	6.7	15.21	5.4						-1497086	SLU 36	-1497086	-2703958	0.105	Si
34	22.81	6.7	15.21	5.4						-1321329	SLU 36	-1497086	-2703958	0.105	Si
51	22.81	6.7	15.21	5.4						-1110831	SLU 36	-1475613	-2703958	0.105	Si
59	22.81	6.7	15.21	5.4						-1007345	SLU 36	-1368086	-2703958	0.105	Si
76	22.81	6.7	15.21	5.4						-803901	SLU 36	-1156560	-2703958	0.105	Si
93	22.81	6.7	15.21	5.4						-605160	SLU 36	-949738	-2703958	0.105	Si
110	21.13	6.7	15.21	5.4						-411122	SLU 36	-747618	-2512194	0.102	Si
127	17.94	6.6	15.21	5.4	-132182	SLU 1	97140	1907187	0.101	-221787	SLU 36	-550201	-2147481	0.096	Si
144	14.75	6.4	15.21	5.4	-20742	SLU 8	272600	1894425	0.1	-43561	SLU 29	-357487	-1782452	0.091	Si
161	7.6	5.4	15.21	5.4	147158	SLU 35	443357	1865528	0.096	73526	SLU 2	-169476	-963633	0.08	Si
178	7.6	5.4	15.21	5.4	321294	SLU 35	609411	1865528	0.096	176885	SLU 2	-2542	-963633	0.08	Si
186	7.6	5.4	15.21	5.4	406598	SLU 35	690675	1865528	0.096						Si
203	11.84	5.4	15.21	5.4	573680	SLU 35	849893	1865001	0.092						Si
220	13.43	5.4	15.21	5.4	736059	SLU 35	911846	1864918	0.091						Si
239	15.21	5.4	15.21	5.4	911846	SLU 36	911846	1864772	0.091						Si
254	15.21	5.4	15.21	5.4	1048325	SLU 36	978969	1864772	0.091						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	15.21	5.4	239649	SLV 15	239649	1926700	0.103	-2421089	SLV 1	-2287689	-2703958	0.105	Si
17	22.81	6.7	15.21	5.4	293317	SLV 15	293317	1926700	0.103	-2202846	SLV 1	-2198824	-2703958	0.105	Si
20	22.81	6.7	15.21	5.4	302696	SLV 15	387152	1926700	0.103	-2163472	SLV 1	-2163472	-2703958	0.105	Si
34	22.81	6.7	15.21	5.4	344033	SLV 15	424264	1926700	0.103	-1987599	SLV 1	-2163472	-2703958	0.105	Si
51	22.81	6.7	15.21	5.4	391822	SLV 15	467040	1926700	0.103	-1775335	SLV 1	-2142037	-2703958	0.105	Si
59	22.81	6.7	15.21	5.4	414621	SLV 15	487339	1926700	0.103	-1670325	SLV 1	-2034460	-2703958	0.105	Si
76	22.81	6.7	15.21	5.4	458032	SLV 15	525768	1926700	0.103	-1462552	SLV 1	-1821544	-2703958	0.105	Si
93	22.81	6.7	15.21	5.4	498539	SLV 15	561325	1926700	0.103	-1257786	SLV 1	-1611618	-2703958	0.105	Si
110	21.13	6.7	15.21	5.4	536157	SLV 15	594038	1919945	0.102	-1056044	SLV 1	-1404691	-2512194	0.102	Si
127	17.94	6.6	15.21	5.4	570908	SLV 15	623948	1907187	0.101	-857347	SLV 1	-1200775	-2147481	0.096	Si
144	14.75	6.4	15.21	5.4	602826	SLV 15	651115	1894425	0.1	-661728	SLV 1	-999888	-1782452	0.091	Si
152	7.6	5.4	15.21	5.4	617735	SLV 15	663694	1865528	0.096	-565086	SLV 1	-900588	-963633	0.08	Si
161	7.6	5.4	15.21	5.4	631955	SLV 15	670568	1865528	0.096	-469233	SLV 1	-802055	-963633	0.08	Si
178	7.6	5.4	15.21	5.4	658360	SLV 15	697571	1865528	0.096	-279925	SLV 1	-607312	-963633	0.08	Si
186	7.6	5.4	15.21	5.4	670568	SLV 15	707629	1865528	0.096	-186494	SLV 1	-511114	-963633	0.08	Si
203	11.84	5.4	15.21	5.4	693063	SLV 13	726028	1865001	0.092	-2143	SLV 3	-321106	-1465423	0.086	Si
220	13.43	5.4	15.21	5.4	713105	SLV 13	732737	1864918	0.091	178748	SLV 3	-124020	-1654423	0.088	Si
239	15.21	5.4	15.21	5.4	732737	SLV 13	732737	1864772	0.091						Si
254	15.21	5.4	15.21	5.4	746984	SLV 13	740356	1864772	0.091						Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	15.21	5.4						-1679371	SLD 1	-1573824	-2703958	0.105	Si
17	22.81	6.7	15.21	5.4						-1507007	SLD 1	-1503837	-2703958	0.105	Si
20	22.81	6.7	15.21	5.4						-1475994	SLD 1	-1475994	-2703958	0.105	Si
34	22.81	6.7	15.21	5.4						-1337626	SLD 1	-1475994	-2703958	0.105	Si
51	22.81	6.7	15.21	5.4						-1171213	SLD 1	-1459111	-2703958	0.105	Si
59	22.81	6.7	15.21	5.4						-1089121	SLD 1	-1374467	-2703958	0.105	Si
76	22.81	6.7	15.21	5.4	-77352	SLD 15	69050	1926700	0.103	-927167	SLD 1	-1207406	-2703958	0.105	Si
93	22.81	6.7	15.21	5.4	8945	SLD 15	150325	1926700	0.103	-768192	SLD 1	-1043316	-2703958	0.105	Si
110	21.13	6.7	15.21	5.4	92316	SLD 15	228693	1919945	0.102	-612203	SLD 1	-882200	-2512194	0.102	Si
127	17.94	6.6	15.21	5.4	172771	SLD 15	304174	1907187	0.101	-459210	SLD 1	-724065	-2147481	0.096	Si
144	14.75	6.4	15.21	5.4	250324	SLD 15	376793	1894425	0.1	-309226	SLD 1	-568919	-1782452	0.091	Si
161	7.6	5.4	15.21	5.4	324994	SLD 15	442199	1865528	0.096	-162272	SLD 1	-416771	-963633	0.08	Si
178	7.6	5.4	15.21	5.4	396812	SLD 15	513599	1865528	0.096	-18377	SLD 1	-267639	-963633	0.08	Si
186	7.6	5.4	15.21	5.4	431663	SLD 15	546082	1865528	0.096	52412	SLD 1	-194210	-963633	0.08	Si
203	11.84	5.4	15.21	5.4	499277	SLD 13	609051	1865001	0.092	191642	SLD 3	-49645	-1465423	0.086	Si
220	13.43	5.4	15.21	5.4	564158	SLD 13	633227	1864918	0.091						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
239	15.21	5.4	15.21	5.4	633227	SLD 13	633227	1864772	0.091						Si
254	15.21	5.4	15.21	5.4	686224	SLD 13	659573	1864772	0.091						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	12787	SLU 36	12787	12593	66952	0	12593	1	Si
17	0	22.81	0	12490	SLU 36	12490	12593	66952	0	12593	1	Si
20	0.129	22.81	0	12441	SLU 36	12441	12593	66952	14696	14696	1	Si
34	0.129	22.81	0	12220	SLU 36	12220	12593	66952	14696	14696	1	Si
51	0.129	21.13	0	11950	SLU 36	11950	12276	66952	14696	14696	1	Si
59	0.129	19.54	0	11815	SLU 36	11815	11959	66952	14696	14696	1	Si
76	0.129	16.35	0	11545	SLU 36	11545	11269	66952	14696	14696	1	Si
93	0.115	7.6	0	11275	SLU 36	11275	8731	66952	13064	13064	1	Si
110	0.115	7.6	0	11005	SLU 36	11005	8735	67008	13075	13075	1	Si
127	0.115	11.04	0	10735	SLU 36	10735	9901	67143	13101	13101	1	Si
144	0.115	12.63	0	10465	SLU 36	10465	10371	67337	13139	13139	1	Si
161	0.115	15.21	0	10195	SLU 36	10195	11113	68363	13339	13339	1	Si
178	0.115	15.21	0	9925	SLU 36	9925	11113	68363	13338	13338	1	Si
186	0.115	15.21	0	9790	SLU 36	9790	11113	68363	13338	13338	1	Si
203	0.115	15.21	0	9520	SLU 36	9520	11113	68363	13338	13338	1	Si
220	0.115	15.21	0	9250	SLU 36	9250	11113	68363	13338	13338	1	Si
239	0.115	15.21	0	8950	SLU 36	8950	11113	68363	13338	13338	1	Si
254	0	15.21	0	8710	SLU 36	8710	11113	68363	0	11113	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	12641	SLV 1	13872	12593	66952	0	12593	1	Si
17	0	22.81	0	12453	SLV 1	13683	12593	66952	0	12593	1	Si
20	0.129	22.81	0	12422	SLV 1	13652	12593	66952	14696	14696	1	Si
34	0.129	22.81	0	12283	SLV 1	13513	12593	66952	14696	14696	1	Si
51	0.129	21.13	0	12113	SLV 1	13344	12276	66952	14696	14696	1	Si
59	0.129	19.54	0	12028	SLV 1	13259	11959	66952	14696	14696	1	Si
76	0.129	16.35	0	11859	SLV 1	13089	11269	66952	14696	14696	1	Si
93	0.115	7.6	0	11689	SLV 1	12919	8731	66952	13064	13064	1	Si
110	0.115	7.6	0	11519	SLV 1	12750	8735	67008	13075	13075	1	Si
127	0.115	11.04	0	11350	SLV 1	12580	9901	67143	13101	13101	1	Si
144	0.115	12.63	0	11180	SLV 1	12410	10371	67337	13139	13139	1	Si
161	0.115	14.23	0	11010	SLV 1	12241	10870	68363	13339	13339	1	Si
178	0.115	15.21	0	10840	SLV 1	12071	11113	68363	13338	13338	1	Si
186	0.115	15.21	0	10756	SLV 1	11986	11113	68363	13338	13338	1	Si
203	0.115	15.21	0	10586	SLV 1	11816	11113	68363	13338	13338	1	Si
203	0.115	15.21	0	1120	SLV 15	-110	-11113	-68363	-13338	-13338	1	Si
220	0.115	15.21	0	10416	SLV 1	11647	11113	68363	13338	13338	1	Si
220	0.115	15.21	0	950	SLV 15	-280	-11113	-68363	-13338	-13338	1	Si
239	0.115	15.21	0	10227	SLV 1	11458	11113	68363	13338	13338	1	Si
239	0.115	15.21	0	762	SLV 15	-469	-11113	-68363	-13338	-13338	1	Si
254	0	15.21	0	10077	SLV 1	11307	11113	68363	0	11113	1	Si
254	0	15.21	0	611	SLV 15	-620	-11113	-68363	0	-11113	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	10002	SLD 1	10002	12593	66952	0	12593	1	Si
17	0	22.81	0	9814	SLD 1	9814	12593	66952	0	12593	1	Si
20	0.129	22.81	0	9783	SLD 1	9783	12593	66952	14696	14696	1	Si
34	0.129	22.81	0	9644	SLD 1	9644	12593	66952	14696	14696	1	Si
51	0.129	21.13	0	9474	SLD 1	9474	12276	66952	14696	14696	1	Si
59	0.129	19.54	0	9390	SLD 1	9390	11959	66952	14696	14696	1	Si
76	0.129	16.35	0	9220	SLD 1	9220	11269	66952	14696	14696	1	Si
93	0.115	7.6	0	9050	SLD 1	9050	8731	66952	13064	13064	1	Si
110	0.115	7.6	0	8880	SLD 1	8880	8735	67008	13075	13075	1	Si
127	0.115	11.04	0	8711	SLD 1	8711	9901	67143	13101	13101	1	Si
144	0.115	12.63	0	8541	SLD 1	8541	10371	67337	13139	13139	1	Si
161	0.115	14.23	0	8371	SLD 1	8371	10870	68363	13339	13339	1	Si
178	0.115	15.21	0	8202	SLD 1	8202	11113	68363	13338	13338	1	Si
186	0.115	15.21	0	8117	SLD 1	8117	11113	68363	13338	13338	1	Si
203	0.115	15.21	0	7947	SLD 1	7947	11113	68363	13338	13338	1	Si
220	0.115	15.21	0	7777	SLD 1	7777	11113	68363	13338	13338	1	Si
239	0.115	15.21	0	7588	SLD 1	7588	11113	68363	13338	13338	1	Si
254	0	15.21	0	7438	SLD 1	7438	11113	68363	0	11113	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1278059	9	-1179883	33.6	124.5	946.3	1837	-1090720	2	-1007277	28.7	93.4	0	+∞	Si
17	-1118072	9	-1115135	31.8	124.5	894.4	1837	-954765	2	-952271	27.1	93.4	0	+∞	Si
20	-1089378	9	-1089378	31	124.5	873.7	1837	-930388	2	-930388	26.5	93.4	0	+∞	Si
34	-961521	9	-1089378	31	124.5	873.7	1837	-821783	2	-930388	26.5	93.4	0	+∞	Si
51	-808389	9	-1073757	30.6	124.5	861.2	1837	-691756	2	-917118	26.1	93.4	0	+∞	Si
59	-733104	9	-995535	28.3	124.5	798.5	1837	-627852	2	-850673	24.2	93.4	0	+∞	Si
76	-585100	9	-841656	24	124.5	675	1837	-502260	2	-720001	20.5	93.4	0	+∞	Si
93	-440514	9	-691195	19.7	124.5	554.4	1837	-379624	2	-592285	16.9	93.4	0	+∞	Si
110	-299346	9	-544153	15.8	124.5	468.3	1837	-259944	2	-467525	13.6	93.4	0	+∞	Si
127	-161597	9	-400530	12.2	124.5	401	1837	-143219	2	-345721	10.6	93.4	0	+∞	Si
144	-31537	2	-260324	8.4	124.5	312.3	1837	-29451	2	-226874	7.4	93.4	0	+∞	Si
161	106569	8	322199	11.3	124.5	365.2	1837	83866	1	266227	9.3	93.4	0	+∞	Si
178	233336	8	443092	15.5	124.5	502.2	1837	191099	1	368380	12.9	93.4	0	+∞	Si
186	295438	8	502256	17.6	124.5	569.2	1837	243607	1	418349	14.6	93.4	0	+∞	Si
203	417078	8	618167	20.3	124.5	696.9	1837	346407	1	516193	17	93.4	0	+∞	Si
220	535299	8	663249	21.3	124.5	746.5	1837	446250	1	554232	17.8	93.4	0	+∞	Si
239	663249	9	663249	20.8	124.5	745.2	1837	554232	2	554232	17.4	93.4	0	+∞	Si
254	762564	9	712093	22.3	124.5	800.1	1837	637992	2	595440	18.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	1	-0.005	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	-0.003	-0.004	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	1	-0.005	1	9999	Si
34	-0.004	-0.005	-0.003	-0.004	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
51	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.004	-0.004	-0.005	-0.005	-0.01	1	-0.01	1	9999	Si
59	-0.006	-0.007	-0.004	-0.005	-0.006	-0.006	-0.004	-0.005	-0.006	-0.006	-0.01	1	-0.01	1	9999	Si
68	-0.006	-0.007	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.01	1	-0.01	1	9999	Si
76	-0.006	-0.007	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.01	1	-0.01	1	9999	Si
93	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	1	-0.01	1	9999	Si
110	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.008	1	-0.009	1	9999	Si
127	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.007	1	-0.007	1	9999	Si
144	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	1	-0.005	1	9999	Si
161	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
178	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
186	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
203	0.001	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
220	0.001	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	1	0.001	1	9999	Si
239	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	7689	5963	14696	SLV 1	0.42	1061	1.178	-930388	-1233084	-2703958	SLV 1	0.51	1817	1.468	Si
34	7550	5963	14696	SLV 1	0.43	1118	1.203	-930388	-1233084	-2703958	SLV 1	0.51	1817	1.468	Si
51	7380	5963	14696	SLV 1	0.44	1190	1.234	-917118	-1224919	-2703958	SLV 1	0.52	1887	1.491	Si
59	7296	5963	14696	SLV 1	0.45	1227	1.25	-850673	-1183787	-2703958	SLV 1	0.56	2280	1.612	Si
76	7126	5963	14696	SLV 1	0.46	1302	1.281	-720001	-1101543	-2703958	SLV 1	0.57	2474	1.666	Si
93	6956	5963	13064	SLV 1	0.37	754	1.024	-592285	-1019333	-2703958	SLV 1	0.57	2474	1.666	Si
110	6786	5963	13075	SLV 1	0.38	810	1.054	-467525	-937165	-2512194	SLV 1	0.57	2474	1.666	Si
127	6617	5963	13101	SLV 1	0.39	873	1.087	-345721	-855053	-2147481	SLV 1	0.57	2474	1.666	Si
144	6447	5963	13139	SLV 1	0.41	943	1.122	-226874	-773015	-1782452	SLV 1	0.57	2474	1.666	Si
161	6277	5963	13339	SLV 1	0.43	1084	1.188	-110982	-691074	-963633	SLV 1	0.44	1208	1.242	Si
178	6108	5963	13338	SLV 1	0.44	1154	1.219	1954	-609266	-963633	SLV 1	0.56	2355	1.633	Si
186	6023	5963	13338	SLV 1	0.44	1190	1.234	57314	-568428	-963633	SLV 1	0.57	2474	1.666	Si
203	5853	5963	13338	SLV 1	0.45	1264	1.265	165816	-486922	-1465423	SLV 1	0.57	2474	1.666	Si
220	5683	5963	13338	SLV 1	0.46	1341	1.296	271362	395383	1864918	SLV 13	0.57	2474	1.666	Si
239	5494	5963	13338	SLV 1	0.47	1431	1.331	554232	178505	1864772	SLV 13	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	7689	2094	14696	SLD 1	0.45	1226	3.144	-930388	-545606	-2703958	SLD 1	0.44	1136	3.047	Si
34	7550	2094	14696	SLD 1	0.46	1292	3.212	-930388	-545606	-2703958	SLD 1	0.44	1136	3.047	Si
51	7380	2094	14696	SLD 1	0.47	1374	3.295	-917118	-541993	-2703958	SLD 1	0.44	1179	3.094	Si
59	7296	2094	14696	SLD 1	0.47	1416	3.335	-850673	-523794	-2703958	SLD 1	0.47	1421	3.34	Si
76	7126	2094	14696	SLD 1	0.48	1505	3.42	-720001	-487405	-2703958	SLD 1	0.54	2067	3.895	Si
93	6956	2094	13064	SLD 1	0.39	858	2.716	-592285	-451030	-2703958	SLD 1	0.6	2474	4.193	Si
110	6786	2094	13075	SLD 1	0.4	922	2.797	-467525	-414675	-2512194	SLD 1	0.6	2474	4.193	Si
127	6617	2094	13101	SLD 1	0.42	996	2.887	-345721	-378344	-2147481	SLD 1	0.6	2474	4.193	Si
144	6447	2094	13139	SLD 1	0.43	1085	2.991	-226874	-342045	-1782452	SLD 1	0.6	2474	4.193	Si
161	6277	2094	13339	SLD 1	0.45	1251	3.17	-110982	-305790	-963633	SLD 1	0.38	769	2.597	Si
178	6108	2094	13338	SLD 1	0.46	1332	3.253	1954	-269594	-963633	SLD 1	0.48	1469	3.386	Si
186	6023	2094	13338	SLD 1	0.47	1374	3.295	57314	-251524	-963633	SLD 1	0.54	2051	3.883	Si
203	5853	2094	13338	SLD 1	0.48	1460	3.378	165816	-215461	-1465423	SLD 1	0.6	2474	4.193	Si
220	5683	2094	13338	SLD 1	0.49	1550	3.461	271362	174959	1864918	SLD 13	0.6	2474	4.193	Si
239	5494	2094	13338	SLD 1	0.5	1655	3.556	554232	78995	1864772	SLD 13	0.6	2474	4.193	Si

Campata 3 tra i fili ? - 39, sezione R 40x70, asta 1212

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	1017275	SLU 36	1017275	1864772	0.091						Si
15	15.21	5.4	15.21	5.4	1043182	SLU 36	1083631	1864772	0.091						Si
34	13.39	5.4	15.21	5.4	1071885	SLU 36	1103489	1864906	0.091						Si
69	7.6	5.4	15.21	5.4	1108311	SLU 36	1124481	1865528	0.096						Si
103	7.6	5.4	15.21	5.4	1126553	SLU 36	1128856	1865528	0.096						Si
137	7.6	5.4	15.21	5.4	1126612	SLU 36	1128856	1865528	0.096						Si
154	7.6	5.4	15.21	5.4	1119823	SLU 36	1128177	1865528	0.096						Si
188	7.6	5.4	15.21	5.4	1092609	SLU 36	1116395	1865528	0.096						Si
223	7.6	5.4	15.21	5.4	1047211	SLU 36	1086430	1865528	0.096						Si
257	7.6	5.4	15.21	5.4	983632	SLU 36	1038282	1865528	0.096						Si
291	7.6	5.4	15.21	5.4	901871	SLU 36	971953	1865528	0.096						Si
325	7.6	5.4	15.21	5.4	801929	SLU 36	887442	1865528	0.096						Si
360	7.6	5.4	15.21	5.4	683805	SLU 36	784750	1865528	0.096						Si
377	7.6	5.4	15.21	5.4	617925	SLU 36	726586	1865528	0.096						Si
411	7.6	5.4	15.21	5.4	472531	SLU 36	596622	1865528	0.096						Si
445	7.6	5.4	13.69	5.4	308956	SLU 36	448477	1686010	0.092						Si
480	7.6	5.4	10.49	5.4	130911	SLU 32	282152	1306619	0.084						Si
486	7.6	5.4	11.4	5.4	97362	SLU 32	247226	1414576	0.086						Si
514	7.6	5.4	11.4	5.4						-87001	SLU 33	-29593	-963377	0.08	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	761893	SLV 13	755718	1864772	0.091						Si
15	15.21	5.4	15.21	5.4	748981	SLV 13	748981	1864772	0.091						Si
34	13.39	5.4	15.21	5.4	730756	SLV 13	748981	1864906	0.091						Si
69	7.6	5.4	15.21	5.4	720527	SLV 5	775718	1865528	0.096						Si
103	7.6	5.4	15.21	5.4	786907	SLV 1	846690	1865528	0.096						Si
137	7.6	5.4	15.21	5.4	856965	SLV 1	908589	1865528	0.096						Si
154	7.6	5.4	15.21	5.4	888454	SLV 1	935577	1865528	0.096						Si
188	7.6	5.4	15.21	5.4	943494	SLV 1	981347	1865528	0.096						Si
223	7.6	5.4	15.21	5.4	987600	SLV 1	1016010	1865528	0.096						Si
257	7.6	5.4	15.21	5.4	1020574	SLV 1	1039452	1865528	0.096						Si
291	7.6	5.4	15.21	5.4	1042314	SLV 1	1051606	1865528	0.096	80814	SLV 15	-31141	-963633	0.08	Si
325	7.6	5.4	15.21	5.4	1052758	SLV 1	1053732	1865528	0.096	-51606	SLV 15	-173343	-963633	0.08	Si
360	7.6	5.4	15.21	5.4	1051869	SLV 1	1053732	1865528	0.096	-195550	SLV 15	-327047	-963633	0.08	Si
377	7.6	5.4	15.21	5.4	1047166	SLV 1	1053168	1865528	0.096	-271835	SLV 15	-408206	-963633	0.08	Si
411	7.6	5.4	15.21	5.4	1029232	SLV 1	1044884	1865528	0.096	-433019	SLV 15	-579128	-963633	0.08	Si
445	7.6	5.4	13.69	5.4	999915	SLV 1	1025228	1686010	0.092	-605677	SLV 15	-761516	-963545	0.08	Si
480	7.6	5.4	10.49	5.4	959206	SLV 1	994189	1306619	0.084	-789798	SLV 15	-827780	-963294	0.079	Si
486	7.6	5.4	11.4	5.4	949498	SLV 1	986727	1414576	0.086	-827780	SLV 15	-827780	-963377	0.08	Si
514	7.6	5.4	11.4	5.4	907116	SLV 1	907116	1414576	0.086	-985357	SLV 15	-904973	-963377	0.08	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	681967	SLD 13	681967	1864772	0.091						Si
15	15.21	5.4	15.21	5.4	685778	SLD 13	688905	1864772	0.091						Si
34	13.39	5.4	15.21	5.4	688333	SLD 13	691625	1864906	0.091						Si
69	7.6	5.4	15.21	5.4	697564	SLD 5	728449	1865528	0.096						Si
103	7.6	5.4	15.21	5.4	734285	SLD 1	761866	1865528	0.096						Si
137	7.6	5.4	15.21	5.4	766330	SLD 1	784885	1865528	0.096						Si
154	7.6	5.4	15.21	5.4	778393	SLD 1	792251	1865528	0.096						Si
188	7.6	5.4	15.21	5.4	794224	SLD 1	798571	1865528	0.096						Si
206	7.6	5.4	15.21	5.4	797942	SLD 1	798843	1865528	0.096						Si
223	7.6	5.4	15.21	5.4	798843	SLD 1	798843	1865528	0.096						Si
257	7.6	5.4	15.21	5.4	792165	SLD 1	798261	1865528	0.096						Si
291	7.6	5.4	15.21	5.4	774143	SLD 1	789868	1865528	0.096						Si
325	7.6	5.4	15.21	5.4	744751	SLD 1	770127	1865528	0.096						Si
360	7.6	5.4	15.21	5.4	703972	SLD 1	739013	1865528	0.096						Si
377	7.6	5.4	15.21	5.4	679309	SLD 1	719187	1865528	0.096	96022	SLD 15	-6447	-963633	0.08	Si
411	7.6	5.4	15.21	5.4	621431	SLD 1	670986	1865528	0.096	-25218	SLD 15	-137404	-963633	0.08	Si
445	7.6	5.4	13.69	5.4	552145	SLD 1	611383	1686010	0.092	-157906	SLD 15	-279805	-963545	0.08	Si
480	7.6	5.4	10.49	5.4	471446	SLD 1	540370	1306619	0.084	-302038	SLD 15	-332136	-963294	0.079	Si
486	7.6	5.4	11.4	5.4	453854	SLD 1	525028	1414576	0.086	-332136	SLD 15	-332136	-963377	0.08	Si
514	7.6	5.4	11.4	5.4	379350	SLD 1	379350	1414576	0.086	-457591	SLD 15	-393231	-963377	0.08	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	1954	SLU 34	1954	11113	68363	0	11113	1	Si
15	0.062	15.21	0	1721	SLU 34	1721	11113	68363	7182	11113	1	Si
34	0.062	15.21	0	1423	SLU 34	1423	11113	68363	7182	11113	1	Si
69	0.062	15.21	0	892	SLU 34	892	11113	68363	7182	11113	1	Si
103	0.062	15.21	0	361	SLU 34	361	11113	68363	7182	11113	1	Si
137	0.062	15.21	0	-348	SLU 31	-348	-11113	-68363	-7182	-11113	1	Si
154	0.062	15.21	0	-574	SLU 31	-574	-11113	-68363	-7182	-11113	1	Si
188	0.062	15.21	0	-1077	SLU 35	-1077	-11113	-68363	-7182	-11113	1	Si
223	0.062	15.21	0	-1607	SLU 35	-1607	-11113	-68363	-7182	-11113	1	Si
257	0.062	15.21	0	-2138	SLU 35	-2138	-11113	-68363	-7182	-11113	1	Si
291	0.062	15.21	0	-2669	SLU 35	-2669	-11113	-68363	-7182	-11113	1	Si
325	0.062	15.21	0	-3200	SLU 35	-3200	-11113	-68363	-7182	-11113	1	Si
360	0.062	15.21	0	-3731	SLU 35	-3731	-11113	-68363	-7182	-11113	1	Si
377	0.062	13.69	0	-3996	SLU 35	-3996	-10731	-68363	-7182	-10731	1	Si
411	0.062	10.49	0	-4527	SLU 35	-4527	-9821	-68363	-7182	-9821	1	Si
445	0.062	11.4	0	-5058	SLU 35	-5058	-10097	-68363	-7182	-10097	1	Si
480	0.062	11.4	0	-5589	SLU 35	-5589	-10097	-68363	-7182	-10097	1	Si
486	0.062	11.4	0	-5693	SLU 35	-5693	-10097	-68363	-7182	-10097	1	Si
514	0	7.6	0	-6102	SLU 35	-6102	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	3322	SLV 1	3868	11113	68363	0	11113	1	Si
0	0	15.21	0	-877	SLV 15	-1422	-11113	-68363	0	-11113	1	Si
15	0.062	15.21	0	3176	SLV 1	3722	11113	68363	7182	11113	1	Si
15	0.062	15.21	0	-1023	SLV 15	-1569	-11113	-68363	-7182	-11113	1	Si
34	0.062	15.21	0	2988	SLV 1	3534	11113	68363	7182	11113	1	Si
34	0.062	15.21	0	-1210	SLV 15	-1756	-11113	-68363	-7182	-11113	1	Si
69	0.062	15.21	0	2654	SLV 1	3200	11113	68363	7182	11113	1	Si
69	0.062	15.21	0	-1544	SLV 15	-2090	-11113	-68363	-7182	-11113	1	Si
103	0.062	15.21	0	2321	SLV 1	2867	11113	68363	7182	11113	1	Si
103	0.062	15.21	0	-1878	SLV 15	-2424	-11113	-68363	-7182	-11113	1	Si
137	0.062	15.21	0	1987	SLV 1	2533	11113	68363	7182	11113	1	Si
137	0.062	15.21	0	-2211	SLV 15	-2757	-11113	-68363	-7182	-11113	1	Si
154	0.062	15.21	0	1820	SLV 1	2366	11113	68363	7182	11113	1	Si
154	0.062	15.21	0	-2378	SLV 15	-2924	-11113	-68363	-7182	-11113	1	Si
188	0.062	15.21	0	1487	SLV 1	2032	11113	68363	7182	11113	1	Si
188	0.062	15.21	0	-2712	SLV 15	-3258	-11113	-68363	-7182	-11113	1	Si
223	0.062	15.21	0	1153	SLV 1	1699	11113	68363	7182	11113	1	Si
223	0.062	15.21	0	-3046	SLV 15	-3592	-11113	-68363	-7182	-11113	1	Si
257	0.062	15.21	0	819	SLV 1	1365	11113	68363	7182	11113	1	Si
257	0.062	15.21	0	-3379	SLV 15	-3925	-11113	-68363	-7182	-11113	1	Si
291	0.062	15.21	0	485	SLV 1	1031	11113	68363	7182	11113	1	Si
291	0.062	15.21	0	-3713	SLV 15	-4259	-11113	-68363	-7182	-11113	1	Si
325	0.062	15.21	0	152	SLV 1	698	11113	68363	7182	11113	1	Si
325	0.062	7.6	0	-4047	SLV 15	-4593	-8821	-68363	-7182	-8821	1	Si
360	0.062	15.21	0	-182	SLV 1	364	11113	68363	7182	11113	1	Si
360	0.062	7.6	0	-4380	SLV 15	-4926	-8821	-68363	-7182	-8821	1	Si
377	0.062	13.69	0	-349	SLV 1	197	10731	68363	7182	10731	1	Si
377	0.062	7.6	0	-4547	SLV 15	-5093	-8821	-68363	-7182	-8821	1	Si
411	0.062	7.6	0	-4881	SLV 15	-5427	-8821	-68363	-7182	-8821	1	Si
445	0.062	7.6	0	-5215	SLV 15	-5760	-8821	-68363	-7182	-8821	1	Si
480	0.062	7.6	0	-5548	SLV 15	-6094	-8821	-68363	-7182	-8821	1	Si
486	0.062	7.6	0	-5614	SLV 15	-6160	-8821	-68363	-7182	-8821	1	Si
514	0	7.6	0	-5875	SLV 15	-6420	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	2151	SLD 1	2151	11113	68363	0	11113	1	Si
15	0.062	15.21	0	2005	SLD 1	2005	11113	68363	7182	11113	1	Si
34	0.062	15.21	0	1817	SLD 1	1817	11113	68363	7182	11113	1	Si
34	0.062	15.21	0	-40	SLD 15	-40	-11113	-68363	-7182	-11113	1	Si
69	0.062	15.21	0	1484	SLD 1	1484	11113	68363	7182	11113	1	Si
69	0.062	15.21	0	-373	SLD 15	-373	-11113	-68363	-7182	-11113	1	Si
103	0.062	15.21	0	1150	SLD 1	1150	11113	68363	7182	11113	1	Si
103	0.062	15.21	0	-707	SLD 15	-707	-11113	-68363	-7182	-11113	1	Si
137	0.062	15.21	0	816	SLD 1	816	11113	68363	7182	11113	1	Si
137	0.062	15.21	0	-1041	SLD 15	-1041	-11113	-68363	-7182	-11113	1	Si
154	0.062	15.21	0	649	SLD 1	649	11113	68363	7182	11113	1	Si
154	0.062	15.21	0	-1208	SLD 15	-1208	-11113	-68363	-7182	-11113	1	Si
188	0.062	15.21	0	316	SLD 1	316	11113	68363	7182	11113	1	Si
188	0.062	15.21	0	-1541	SLD 15	-1541	-11113	-68363	-7182	-11113	1	Si
223	0.062	15.21	0	-1875	SLD 15	-1875	-11113	-68363	-7182	-11113	1	Si
257	0.062	15.21	0	-2209	SLD 15	-2209	-11113	-68363	-7182	-11113	1	Si
291	0.062	15.21	0	-2542	SLD 15	-2542	-11113	-68363	-7182	-11113	1	Si
325	0.062	15.21	0	-2876	SLD 15	-2876	-11113	-68363	-7182	-11113	1	Si
360	0.062	15.21	0	-3210	SLD 15	-3210	-11113	-68363	-7182	-11113	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
377	0.062	13.69	0	-3377	SLD 15	-3377	-10731	-68363	-7182	-10731	1	Si
411	0.062	7.6	0	-3710	SLD 15	-3710	-8821	-68363	-7182	-8821	1	Si
445	0.062	7.6	0	-4044	SLD 15	-4044	-8821	-68363	-7182	-8821	1	Si
480	0.062	7.6	0	-4378	SLD 15	-4378	-8821	-68363	-7182	-8821	1	Si
486	0.062	7.6	0	-4443	SLD 15	-4443	-8821	-68363	-7182	-8821	1	Si
514	0	7.6	0	-4704	SLD 15	-4704	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	739983	9	739983	23.2	124.5	831.4	1837	618518	2	618518	19.4	93.4	0	+∞	Si
15	758831	9	788264	24.7	124.5	885.7	1837	635605	2	662587	20.8	93.4	0	+∞	Si
34	779715	9	802718	25.8	124.5	903.5	1837	654677	2	676099	21.7	93.4	0	+∞	Si
69	806229	9	818014	28.6	124.5	927.1	1837	679407	2	691128	24.2	93.4	0	+∞	Si
103	819526	9	821218	28.7	124.5	930.7	1837	692708	2	695072	24.3	93.4	0	+∞	Si
137	819606	9	821218	28.7	124.5	930.7	1837	694579	2	695072	24.3	93.4	0	+∞	Si
154	814689	9	820730	28.7	124.5	930.2	1837	691228	2	694923	24.3	93.4	0	+∞	Si
188	794944	9	812202	28.4	124.5	920.5	1837	675956	2	689351	24.1	93.4	0	+∞	Si
223	761982	9	790458	27.6	124.5	895.9	1837	649254	2	672349	23.5	93.4	0	+∞	Si
257	715804	9	755498	26.4	124.5	856.3	1837	611123	2	643919	22.5	93.4	0	+∞	Si
291	656410	9	707321	24.7	124.5	801.7	1837	561564	2	604060	21.1	93.4	0	+∞	Si
325	583801	9	645928	22.6	124.5	732.1	1837	500576	2	552772	19.3	93.4	0	+∞	Si
360	497975	9	571319	20	124.5	647.5	1837	428159	2	490055	17.1	93.4	0	+∞	Si
377	450107	9	529059	18.5	124.5	599.6	1837	387666	2	454411	15.9	93.4	0	+∞	Si
411	344458	9	434627	15.2	124.5	492.6	1837	298107	2	374552	13.1	93.4	0	+∞	Si
445	225594	9	326980	11.9	124.5	409.8	1837	197119	2	283264	10.3	93.4	0	+∞	Si
480	95989	5	206117	8.2	124.5	333.6	1837	84704	2	180549	7.2	93.4	0	+∞	Si
486	71312	5	180737	7	124.5	270	1837	60859	2	158956	6.1	93.4	0	+∞	Si
514	-61288	6	-21289	0.5	124.5	8.2	1837	-44667	1	-12531	0.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.015	2	9999	Si
34	0.018	0.015	0.016	0.013	0.016	0.015	0.014	0.013	0.015	0.015	0.033	2	0.033	2	9999	Si
69	0.034	0.028	0.029	0.025	0.029	0.028	0.025	0.025	0.029	0.028	0.061	2	0.061	2	8398	Si
103	0.046	0.039	0.04	0.034	0.04	0.039	0.035	0.034	0.039	0.039	0.084	2	0.084	2	6102	Si
137	0.056	0.047	0.049	0.041	0.048	0.047	0.042	0.041	0.047	0.047	0.102	2	0.101	2	5045	Si
154	0.059	0.05	0.052	0.044	0.051	0.05	0.045	0.044	0.05	0.05	0.109	2	0.108	2	4730	Si
188	0.064	0.055	0.056	0.048	0.056	0.055	0.049	0.048	0.055	0.055	0.118	2	0.118	2	4347	Si
223	0.067	0.057	0.058	0.049	0.058	0.057	0.05	0.049	0.057	0.057	0.122	2	0.122	2	4194	Si
240	0.067	0.057	0.058	0.05	0.058	0.057	0.051	0.05	0.057	0.057	0.123	2	0.122	2	4186	Si
257	0.066	0.056	0.058	0.049	0.057	0.056	0.05	0.049	0.057	0.056	0.122	2	0.121	2	4220	Si
291	0.063	0.054	0.055	0.047	0.055	0.054	0.048	0.047	0.054	0.054	0.116	2	0.116	2	4419	Si
325	0.058	0.049	0.051	0.043	0.05	0.049	0.044	0.043	0.049	0.049	0.106	2	0.106	2	4827	Si
360	0.05	0.043	0.044	0.037	0.044	0.043	0.038	0.037	0.043	0.043	0.093	2	0.092	2	5542	Si
377	0.046	0.039	0.04	0.034	0.04	0.039	0.035	0.034	0.039	0.039	0.085	2	0.084	2	6077	Si
411	0.036	0.03	0.031	0.027	0.031	0.03	0.027	0.027	0.031	0.03	0.066	2	0.066	2	7776	Si
445	0.024	0.021	0.021	0.018	0.021	0.021	0.019	0.018	0.021	0.021	0.045	2	0.045	2	9999	Si
480	0.012	0.01	0.011	0.009	0.011	0.01	0.009	0.009	0.011	0.01	0.023	2	0.023	2	9999	Si
486	0.01	0.008	0.009	0.007	0.009	0.008	0.008	0.007	0.008	0.008	0.018	2	0.018	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	1076	2645	11113	SLV 1	0.57	2474	1.666	635605	113376	1864772	SLV 13	0.57	2474	1.666	Si
34	889	2645	11113	SLV 1	0.57	2474	1.666	635605	113376	1864906	SLV 13	0.57	2474	1.666	Si
69	555	2645	11113	SLV 1	0.57	2474	1.666	691128	84589	1865528	SLV 1	0.57	2474	1.666	Si
103	221	2645	11113	SLV 1	0.57	2474	1.666	694728	151962	1865528	SLV 1	0.57	2474	1.666	Si
137	-112	-2645	-11113	SLV 15	0.57	2474	1.666	686899	221690	1865528	SLV 1	0.57	2474	1.666	Si
154	-279	-2645	-11113	SLV 15	0.57	2474	1.666	678698	256879	1865528	SLV 1	0.57	2474	1.666	Si
188	-613	-2645	-11113	SLV 15	0.57	2474	1.666	653725	327622	1865528	SLV 1	0.57	2474	1.666	Si
223	-946	-2645	-11113	SLV 15	0.57	2474	1.666	617323	398687	1865528	SLV 1	0.57	2474	1.666	Si
257	-1280	-2645	-11113	SLV 15	0.57	2474	1.666	569492	469960	1865528	SLV 1	0.57	2474	1.666	Si
291	-1614	-2645	-11113	SLV 15	0.57	2474	1.666	510233	541374	1865528	SLV 1	0.57	2474	1.666	Si
325	-1947	-2645	-8821	SLV 15	0.57	2474	1.666	439545	-612888	-963633	SLV 15	0.57	2474	1.666	Si
360	-2281	-2645	-8821	SLV 15	0.57	2474	1.666	357428	-684475	-963633	SLV 15	0.57	2474	1.666	Si
377	-2448	-2645	-8821	SLV 15	0.57	2474	1.666	312085	-720290	-963633	SLV 15	0.57	2474	1.666	Si
411	-2782	-2645	-8821	SLV 15	0.57	2474	1.666	212826	-791954	-963633	SLV 15	0.53	1981	1.521	Si
445	-3115	-2645	-8821	SLV 15	0.57	2474	1.666	102139	-863655	-963545	SLV 15	0.44	1208	1.242	Si
480	-3449	-2645	-8821	SLV 15	0.57	2474	1.666	60859	-888639	-963294	SLV 15	0.42	1009	1.154	Si
486	-3515	-2645	-8821	SLV 15	0.57	2474	1.666	60859	-888639	-963377	SLV 15	0.42	1009	1.154	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	1076	929	11113	SLD 1	0.6	2474	4.193	635605	50172	1864772	SLD 13	0.6	2474	4.193	Si
34	889	929	11113	SLD 1	0.6	2474	4.193	635605	28974	1864906	SLD 9	0.6	2474	4.193	Si
69	555	929	11113	SLD 1	0.6	2474	4.193	691128	37321	1865528	SLD 1	0.6	2474	4.193	Si
103	221	929	11113	SLD 1	0.6	2474	4.193	694728	67138	1865528	SLD 1	0.6	2474	4.193	Si
137	-112	-929	-11113	SLD 15	0.6	2474	4.193	686899	97987	1865528	SLD 1	0.6	2474	4.193	Si
154	-279	-929	-11113	SLD 15	0.6	2474	4.193	678698	113553	1865528	SLD 1	0.6	2474	4.193	Si
188	-613	-929	-11113	SLD 15	0.6	2474	4.193	653725	144846	1865528	SLD 1	0.6	2474	4.193	Si
223	-946	-929	-11113	SLD 15	0.6	2474	4.193	617323	176280	1865528	SLD 1	0.6	2474	4.193	Si
257	-1280	-929	-11113	SLD 15	0.6	2474	4.193	569492	207806	1865528	SLD 1	0.6	2474	4.193	Si
291	-1614	-929	-11113	SLD 15	0.6	2474	4.193	510233	239394	1865528	SLD 1	0.6	2474	4.193	Si
325	-1947	-929	-11113	SLD 15	0.6	2474	4.193	439545	-271026	-963633	SLD 15	0.6	2474	4.193	Si
360	-2281	-929	-11113	SLD 15	0.6	2474	4.193	357428	-302690	-963633	SLD 15	0.57	2474	4.193	Si
377	-2448	-929	-10731	SLD 15	0.6	2474	4.193	312085	-318532	-963633	SLD 15	0.53	1979	3.826	Si
411	-2782	-929	-8821	SLD 15	0.6	2474	4.193	212826	-350230	-963633	SLD 15	0.45	1239	3.158	Si
445	-3115	-929	-8821	SLD 15	0.6	2474	4.193	102139	-381944	-963545	SLD 15	0.38	770	2.598	Si
480	-3449	-929	-8821	SLD 15	0.6	2474	4.193	60859	-392995	-963294	SLD 15	0.35	652	2.427	Si
486	-3515	-929	-8821	SLD 15	0.6	2474	4.193	60859	-392995	-963377	SLD 15	0.35	653	2.429	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 39-5

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 39 - 33, sezione R 40x70, asta 1154

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	311210	SLU 35	305111	1414397	0.086						Si
19	11.4	5.4	11.4	5.4	301447	SLU 35	300782	1414397	0.086						Si
28	11.4	5.4	11.4	5.4	295549	SLU 35	295549	1414397	0.086						Si
37	11.4	5.4	11.4	5.4	288537	SLU 35	295549	1414397	0.086						Si
56	11.13	5.4	11.4	5.4	272511	SLU 35	295549	1414409	0.086						Si
74	10.26	5.4	10.33	5.4	253370	SLU 35	281997	1286994	0.084						Si
83	9.83	5.4	9.71	5.4	242631	SLU 35	273705	1213055	0.083						Si
93	9.39	5.4	7.6	5.4	231113	SLU 35	264635	963175	0.079						Si
102	7.6	5.4	7.6	5.4	218816	SLU 35	254785	962923	0.078						Si
120	7.6	5.4	7.6	5.4	191885	SLU 35	232750	962923	0.078						Si
139	7.6	5.4	7.6	5.4	161839	SLU 35	207598	962923	0.078						Si
157	7.6	5.4	7.6	5.4	131866	SLU 36	179331	962923	0.078						Si
176	7.6	5.4	7.6	5.4	100988	SLU 34	149111	962923	0.078						Si
194	9.47	5.4	7.6	5.4	72923	SLU 29	118243	963184	0.079	33160	SLU 4	-18094	-1185151	0.082	Si
213	10.34	5.4	7.6	5.4	43209	SLU 29	88447	963279	0.079	1374	SLU 4	-63378	-1288757	0.084	Si
222	10.78	5.4	7.6	5.4	27224	SLU 20	74869	963321	0.079	-15458	SLU 13	-87497	-1340554	0.085	Si
241	11.4	5.4	7.6	5.4	1965	SLU 2	45376	963377	0.08	-59967	SLU 31	-105275	-1414576	0.086	Si
258	11.4	5.4	7.6	5.4	-22353	SLU 2	17894	963377	0.08	-105275	SLU 35	-105275	-1414576	0.086	Si
259	11.4	5.4	7.6	5.4						-109406	SLU 35	-109292	-1414576	0.086	Si
278	11.4	5.4	7.6	5.4						-162820	SLU 35	-133164	-1414576	0.086	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	1448015	SLV 7	1328784	1414397	0.086	-1128968	SLV 9	-1006532	-1414397	0.086	Si
19	11.4	5.4	11.4	5.4	1296414	SLV 7	1248634	1414397	0.086	-975442	SLV 9	-927662	-1414397	0.086	Si
28	11.4	5.4	11.4	5.4	1220809	SLV 11	1220809	1414397	0.086	-900667	SLV 5	-900667	-1414397	0.086	Si
37	11.4	5.4	11.4	5.4	1143291	SLV 11	1220809	1414397	0.086	-825225	SLV 5	-900667	-1414397	0.086	Si
56	11.13	5.4	11.4	5.4	988991	SLV 11	1220809	1414409	0.086	-678625	SLV 5	-900667	-1382396	0.085	Si
74	10.26	5.4	10.33	5.4	833747	SLV 11	1077215	1286994	0.084	-535874	SLV 5	-761938	-1278939	0.084	Si
83	9.83	5.4	9.71	5.4	755779	SLV 11	999973	1213055	0.083	-465951	SLV 5	-688975	-1227187	0.083	Si
93	9.39	5.4	7.6	5.4	677555	SLV 11	922496	963175	0.079	-396969	SLV 5	-616975	-1175340	0.082	Si
102	7.6	5.4	7.6	5.4	599049	SLV 11	844794	962923	0.078	-328904	SLV 5	-545949	-962923	0.078	Si
120	7.6	5.4	7.6	5.4	441135	SLV 11	688672	962923	0.078	-195467	SLV 5	-406773	-962923	0.078	Si
139	7.6	5.4	7.6	5.4	282542	SLV 11	531440	962923	0.078	-66143	SLV 5	-271280	-962923	0.078	Si
157	7.6	5.4	7.6	5.4	214840	SLV 15	373079	962923	0.078	-32504	SLV 1	-226539	-962923	0.078	Si
176	7.6	5.4	7.6	5.4	270811	SLV 9	475841	962923	0.078	-127332	SLV 7	-403160	-962923	0.078	Si
194	9.47	5.4	7.6	5.4	401688	SLV 9	604184	963184	0.079	-301858	SLV 7	-582684	-1185151	0.082	Si
213	10.34	5.4	7.6	5.4	531181	SLV 9	730355	963279	0.079	-479794	SLV 7	-764829	-1288757	0.084	Si
222	10.78	5.4	7.6	5.4	595168	SLV 9	792594	963321	0.079	-569800	SLV 7	-856852	-1340554	0.085	Si
241	11.4	5.4	7.6	5.4	721499	SLV 9	835578	963377	0.08	-751764	SLV 7	-921285	-1414576	0.086	Si
258	11.4	5.4	7.6	5.4	835578	SLV 9	835578	963377	0.08	-921285	SLV 7	-921285	-1414576	0.086	Si
259	11.4	5.4	7.6	5.4	845566	SLV 9	845194	963377	0.08	-936257	SLV 7	-935761	-1414576	0.086	Si
278	11.4	5.4	7.6	5.4	967325	SLV 9	902328	963377	0.08	-1123235	SLV 7	-1021777	-1414576	0.086	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	729517	SLD 7	677657	1414397	0.086	-410471	SLD 9	-355405	-1414397	0.086	Si
19	11.4	5.4	11.4	5.4	662980	SLD 7	641848	1414397	0.086	-342008	SLD 9	-320876	-1414397	0.086	Si
28	11.4	5.4	11.4	5.4	629298	SLD 11	629298	1414397	0.086	-309156	SLD 5	-309156	-1414397	0.086	Si
37	11.4	5.4	11.4	5.4	594422	SLD 11	629298	1414397	0.086	-276356	SLD 5	-309156	-1414397	0.086	Si
56	11.13	5.4	11.4	5.4	524007	SLD 11	629298	1414409	0.086	-213641	SLD 5	-309156	-1382396	0.085	Si
74	10.26	5.4	10.33	5.4	451837	SLD 11	564409	1286994	0.084	-153965	SLD 5	-249133	-1278939	0.084	Si
83	9.83	5.4	9.71	5.4	415098	SLD 11	529042	1213055	0.083	-125270	SLD 5	-218044	-1227187	0.083	Si
93	9.39	5.4	7.6	5.4	377911	SLD 11	493236	963175	0.079	-97325	SLD 5	-187715	-1175340	0.082	Si
102	7.6	5.4	7.6	5.4	340264	SLD 11	456996	962923	0.078	-70119	SLD 5	-158151	-962923	0.078	Si
120	7.6	5.4	7.6	5.4	263565	SLD 11	383196	962923	0.078	-17896	SLD 5	-101297	-962923	0.078	Si
139	7.6	5.4	7.6	5.4	185207	SLD 11	307565	962923	0.078	31192	SLD 5	-47405	-962923	0.078	Si
157	7.6	5.4	7.6	5.4	145806	SLD 15	230089	962923	0.078	36530	SLD 1	-67063	-962923	0.078	Si
176	7.6	5.4	7.6	5.4	159823	SLD 9	230834	962923	0.078	-16344	SLD 7	-158154	-962923	0.078	Si
194	9.47	5.4	7.6	5.4	205588	SLD 9	273357	963184	0.079	-105758	SLD 7	-251857	-1185151	0.082	Si
213	10.34	5.4	7.6	5.4	249386	SLD 9	313578	963279	0.079	-197999	SLD 7	-348052	-1288757	0.084	Si
222	10.78	5.4	7.6	5.4	270446	SLD 9	332813	963321	0.079	-245078	SLD 7	-397071	-1340554	0.085	Si
241	11.4	5.4	7.6	5.4	310833	SLD 9	345852	963377	0.08	-341098	SLD 7	-431559	-1414576	0.086	Si
258	11.4	5.4	7.6	5.4	345852	SLD 9	345852	963377	0.08	-431559	SLD 7	-431559	-1414576	0.086	Si
259	11.4	5.4	7.6	5.4	348882	SLD 9	348751	963377	0.08	-439573	SLD 7	-439319	-1414576	0.086	Si
278	11.4	5.4	7.6	5.4	384572	SLD 9	365978	963377	0.08	-540482	SLD 7	-485427	-1414576	0.086	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.95	0	374	SLU 20	374	9962	68363	0	9962	1	Si
0	0	10.95	0	-497	SLU 17	-497	-9962	-68363	0	-9962	1	Si
19	0	9.71	0	203	SLU 20	203	9569	68363	0	9569	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
19	0	9.71	0	-630	SLU 17	-630	-9569	-68363	0	-9569	1	Si
28	0.101	7.6	0	123	SLU 2	123	8821	68363	11671	11671	1	Si
28	0.101	7.6	0	-695	SLU 35	-695	-8821	-68363	-11671	-11671	1	Si
37	0.101	7.6	0	57	SLU 2	57	8821	68363	11671	11671	1	Si
37	0.101	7.6	0	-782	SLU 35	-782	-8821	-68363	-11671	-11671	1	Si
56	0.101	7.6	0	-950	SLU 35	-950	-8821	-68363	-11671	-11671	1	Si
74	0.101	7.6	0	-1119	SLU 35	-1119	-8821	-68363	-11671	-11671	1	Si
83	0.101	7.6	0	-1203	SLU 35	-1203	-8821	-68363	-11671	-11671	1	Si
102	0.112	7.6	0	-1371	SLU 35	-1371	-8821	-68363	-12960	-12960	1	Si
120	0.112	7.6	0	-1540	SLU 35	-1540	-8821	-68363	-12960	-12960	1	Si
139	0.112	7.6	0	-1708	SLU 35	-1708	-8821	-68363	-12960	-12960	1	Si
157	0.112	7.6	0	-1876	SLU 35	-1876	-8821	-68363	-12960	-12960	1	Si
176	0.112	7.6	0	-2045	SLU 35	-2045	-8821	-68363	-12960	-12960	1	Si
194	0.115	7.6	0	-2213	SLU 35	-2213	-8821	-68363	-13338	-13338	1	Si
213	0.115	7.6	0	-2382	SLU 35	-2382	-8821	-68363	-13338	-13338	1	Si
222	0.115	7.6	0	-2466	SLU 35	-2466	-8821	-68363	-13338	-13338	1	Si
241	0.115	7.6	0	-2634	SLU 35	-2634	-8821	-68363	-13338	-13338	1	Si
258	0.115	9.47	0	-2789	SLU 35	-2789	-9491	-68363	-13338	-13338	1	Si
259	0	9.47	0	-2802	SLU 35	-2802	-9491	-68363	0	-9491	1	Si
278	0	10.34	0	-2971	SLU 35	-2971	-9774	-68363	0	-9774	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.7	0	8480	SLV 9	10654	9884	68363	0	9884	1	Si
0	0	10.95	0	-8244	SLV 7	-10418	-9962	-68363	0	-9962	1	Si
19	0	9.83	0	8348	SLV 9	10522	9608	68363	0	9608	1	Si
19	0	9.71	0	-8376	SLV 7	-10550	-9569	-68363	0	-9569	1	Si
28	0.101	9.39	0	8285	SLV 9	10460	9464	68363	11671	11671	1	Si
28	0.101	7.6	0	-8439	SLV 7	-10613	-8821	-68363	-11671	-11671	1	Si
37	0.101	7.6	0	8219	SLV 9	10393	8821	68363	11671	11671	1	Si
37	0.101	7.6	0	-8505	SLV 7	-10680	-8821	-68363	-11671	-11671	1	Si
56	0.101	7.6	0	8089	SLV 9	10263	8821	68363	11671	11671	1	Si
56	0.101	7.6	0	-8635	SLV 7	-10809	-8821	-68363	-11671	-11671	1	Si
74	0.101	7.6	0	7960	SLV 9	10134	8821	68363	11671	11671	1	Si
74	0.101	7.6	0	-8764	SLV 7	-10939	-8821	-68363	-11671	-11671	1	Si
83	0.101	7.6	0	7895	SLV 9	10069	8821	68363	11671	11671	1	Si
83	0.101	7.6	0	-8829	SLV 7	-11003	-8821	-68363	-11671	-11671	1	Si
102	0.112	7.6	0	7765	SLV 9	9940	8821	68363	12960	12960	1	Si
102	0.112	7.6	0	-8959	SLV 7	-11133	-8821	-68363	-12960	-12960	1	Si
120	0.112	7.6	0	7636	SLV 9	9810	8821	68363	12960	12960	1	Si
120	0.112	7.6	0	-9088	SLV 7	-11262	-8821	-68363	-12960	-12960	1	Si
139	0.112	9.91	0	7506	SLV 9	9681	9635	68363	12960	12960	1	Si
139	0.112	7.6	0	-9218	SLV 7	-11392	-8821	-68363	-12960	-12960	1	Si
157	0.112	7.6	0	7377	SLV 9	9551	8821	68363	12960	12960	1	Si
157	0.112	7.6	0	-9347	SLV 7	-11521	-8821	-68363	-12960	-12960	1	Si
176	0.112	7.6	0	7247	SLV 9	9422	8821	68363	12960	12960	1	Si
176	0.112	7.6	0	-9477	SLV 7	-11651	-8821	-68363	-12960	-12960	1	Si
194	0.115	7.6	0	7118	SLV 9	9292	8821	68363	13338	13338	1	Si
194	0.115	7.6	0	-9606	SLV 7	-11781	-8821	-68363	-13338	-13338	1	Si
213	0.115	7.6	0	6988	SLV 9	9162	8821	68363	13338	13338	1	Si
213	0.115	7.6	0	-9736	SLV 7	-11910	-8821	-68363	-13338	-13338	1	Si
222	0.115	7.6	0	6924	SLV 9	9098	8821	68363	13338	13338	1	Si
222	0.115	7.6	0	-9801	SLV 7	-11975	-8821	-68363	-13338	-13338	1	Si
241	0.115	7.6	0	6794	SLV 9	8968	8821	68363	13338	13338	1	Si
241	0.115	7.6	0	-9930	SLV 7	-12104	-8821	-68363	-13338	-13338	1	Si
258	0.115	7.6	0	6675	SLV 9	8849	8821	68363	13338	13338	1	Si
258	0.115	9.47	0	-10049	SLV 7	-12223	-9491	-68363	-13338	-13338	1	Si
259	0	7.6	0	6665	SLV 9	8839	8821	68363	0	8821	1	Si
259	0	9.47	0	-10060	SLV 7	-12234	-9491	-68363	0	-9491	1	Si
278	0	7.6	0	6535	SLV 9	8709	8821	68363	0	8821	1	Si
278	0	10.34	0	-10189	SLV 7	-12363	-9774	-68363	0	-9774	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.7	0	3818	SLD 9	3818	9884	68363	0	9884	1	Si
0	0	10.95	0	-3582	SLD 7	-3582	-9962	-68363	0	-9962	1	Si
19	0	9.83	0	3686	SLD 9	3686	9608	68363	0	9608	1	Si
19	0	9.71	0	-3713	SLD 7	-3713	-9569	-68363	0	-9569	1	Si
28	0.101	9.39	0	3623	SLD 9	3623	9464	68363	11671	11671	1	Si
28	0.101	7.6	0	-3776	SLD 7	-3776	-8821	-68363	-11671	-11671	1	Si
37	0.101	7.6	0	3556	SLD 9	3556	8821	68363	11671	11671	1	Si
37	0.101	7.6	0	-3843	SLD 7	-3843	-8821	-68363	-11671	-11671	1	Si
56	0.101	7.6	0	3427	SLD 9	3427	8821	68363	11671	11671	1	Si
56	0.101	7.6	0	-3973	SLD 7	-3973	-8821	-68363	-11671	-11671	1	Si
74	0.101	7.6	0	3297	SLD 9	3297	8821	68363	11671	11671	1	Si
74	0.101	7.6	0	-4102	SLD 7	-4102	-8821	-68363	-11671	-11671	1	Si
83	0.101	7.6	0	3233	SLD 9	3233	8821	68363	11671	11671	1	Si
83	0.101	7.6	0	-4167	SLD 7	-4167	-8821	-68363	-11671	-11671	1	Si
102	0.112	7.6	0	3103	SLD 9	3103	8821	68363	12960	12960	1	Si
102	0.112	7.6	0	-4296	SLD 7	-4296	-8821	-68363	-12960	-12960	1	Si
120	0.112	7.6	0	2974	SLD 9	2974	8821	68363	12960	12960	1	Si
120	0.112	7.6	0	-4426	SLD 7	-4426	-8821	-68363	-12960	-12960	1	Si
139	0.112	7.6	0	2844	SLD 9	2844	8821	68363	12960	12960	1	Si
139	0.112	7.6	0	-4555	SLD 7	-4555	-8821	-68363	-12960	-12960	1	Si
157	0.112	7.6	0	2714	SLD 9	2714	8821	68363	12960	12960	1	Si
157	0.112	7.6	0	-4685	SLD 7	-4685	-8821	-68363	-12960	-12960	1	Si
176	0.112	7.6	0	2585	SLD 9	2585	8821	68363	12960	12960	1	Si
176	0.112	7.6	0	-4814	SLD 7	-4814	-8821	-68363	-12960	-12960	1	Si
194	0.115	7.6	0	2455	SLD 9	2455	8821	68363	13338	13338	1	Si
194	0.115	7.6	0	-4944	SLD 7	-4944	-8821	-68363	-13338	-13338	1	Si
213	0.115	7.6	0	2326	SLD 9	2326	8821	68363	13338	13338	1	Si
213	0.115	7.6	0	-5073	SLD 7	-5073	-8821	-68363	-13338	-13338	1	Si
222	0.115	7.6	0	2261	SLD 9	2261	8821	68363	13338	13338	1	Si
222	0.115	7.6	0	-5138	SLD 7	-5138	-8821	-68363	-13338	-13338	1	Si
241	0.115	7.6	0	2132	SLD 9	2132	8821	68363	13338	13338	1	Si
241	0.115	7.6	0	-5268	SLD 7	-5268	-8821	-68363	-13338	-13338	1	Si
258	0.115	7.6	0	2013	SLD 9	2013	8821	68363	13338	13338	1	Si
258	0.115	9.47	0	-5387	SLD 7	-5387	-9491	-68363	-13338	-13338	1	Si
259	0	7.6	0	2002	SLD 9	2002	8821	68363	0	8821	1	Si
259	0	9.47	0	-5397	SLD 7	-5397	-9491	-68363	0	-9491	1	Si
278	0	7.6	0	1873	SLD 9	1873	8821	68363	0	8821	1	Si
278	0	10.34	0	-5527	SLD 7	-5527	-9774	-68363	0	-9774	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	225526	8	221799	8.1	124.5	330.2	1837	174942	1	174942	6.4	93.4	0	+∞	Si
19	219315	8	218906	8	124.5	325.8	1837	173876	1	173876	6.3	93.4	0	+∞	Si
28	215410	8	215410	7.9	124.5	320.6	1837	172475	1	172475	6.3	93.4	0	+∞	Si
37	210684	8	215410	7.9	124.5	320.6	1837	170395	1	172475	6.3	93.4	0	+∞	Si
56	199656	8	215410	7.9	124.5	320.7	1837	164516	1	172475	6.3	93.4	0	+∞	Si
74	186232	8	206211	7.9	124.5	338.1	1837	156241	1	168130	6.5	93.4	0	+∞	Si
83	178621	8	200483	7.9	124.5	349.2	1837	151205	1	164977	6.5	93.4	0	+∞	Si
102	161602	8	187229	4.9	124.5	73.2	1837	139335	1	156872	7	93.4	0	+∞	Si
120	142186	8	171578	4.5	124.5	67.1	1837	125068	1	146371	6.6	93.4	0	+∞	Si
139	120374	8	153531	4	124.5	60	1837	108405	1	133473	6	93.4	0	+∞	Si
157	98291	9	133087	3.5	124.5	52	1837	91168	2	118178	5.3	93.4	0	+∞	Si
176	75285	7	111021	2.9	124.5	43.4	1837	71740	2	101151	4.5	93.4	0	+∞	Si
194	53834	2	88204	2.2	124.5	34.1	1837	49915	2	83091	3.6	93.4	0	+∞	Si
213	30965	2	65782	1.7	124.5	25.3	1837	25693	2	62635	2.7	93.4	0	+∞	Si
222	18632	2	55332	1.4	124.5	21.3	1837	12684	2	51508	2.2	93.4	0	+∞	Si
222	-9032	4	-63530	2.5	124.5	100.2	1837								Si
241	-43008	4	-76753	3	124.5	114.7	1837	-26083	1	-55668	2.2	93.4	0	+∞	Si
258	-76753	8	-76753	3	124.5	114.7	1837	-55668	1	-55668	2.2	93.4	0	+∞	Si
259	-79826	8	-79742	3.1	124.5	119.1	1837	-58324	1	-58256	2.3	93.4	0	+∞	Si
278	-119613	8	-97504	3.8	124.5	145.7	1837	-92962	1	-73635	2.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
28	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
37	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
56	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si
74	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
83	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
102	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	1	0.007	1	9999	Si
111	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	1	0.007	1	9999	Si
120	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	1	0.007	1	9999	Si
139	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	1	0.007	1	9999	Si
157	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
176	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
194	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
213	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
222	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
241	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
258	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
259	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	-77	-10536	-11671	SLV 7	0.4	898	1.1	160071	1060738	1414397	SLV 11	0.43	1080	1.186	Si
37	-143	-10536	-11671	SLV 7	0.4	886	1.094	160071	1060738	1414397	SLV 11	0.43	1080	1.186	Si
56	-273	-10536	-11671	SLV 7	0.39	862	1.082	160071	1060738	1414409	SLV 11	0.43	1080	1.186	Si
74	-402	-10536	-11671	SLV 7	0.39	838	1.069	157638	919576	1286994	SLV 11	0.44	1193	1.236	Si
83	-467	-10536	-11671	SLV 7	0.39	826	1.063	155499	844474	1213055	SLV 11	0.45	1257	1.262	Si
102	-597	-10536	-12960	SLV 7	0.42	1058	1.176	149423	695371	962923	SLV 11	0.42	1049	1.172	Si
120	-726	-10536	-12960	SLV 7	0.42	1029	1.163	140950	547722	962923	SLV 11	0.54	2036	1.538	Si
139	-856	-10536	-12960	SLV 7	0.42	1000	1.149	130080	401360	962923	SLV 11	0.57	2474	1.666	Si
157	-985	-10536	-12960	SLV 7	0.41	972	1.136	59534	286073	962923	SLV 9	0.57	2474	1.666	Si
176	-1115	-10536	-12960	SLV 7	0.41	947	1.124	36340	439501	962923	SLV 9	0.57	2474	1.666	Si
194	-1244	-10536	-13338	SLV 7	0.42	998	1.148	10750	593434	963184	SLV 9	0.57	2436	1.656	Si
213	-1374	-10536	-13338	SLV 7	0.41	970	1.135	-17237	747592	963279	SLV 9	0.47	1420	1.327	Si
222	-1439	-10536	-13338	SLV 7	0.41	957	1.129	-32129	824723	963321	SLV 9	0.44	1140	1.213	Si
241	-1568	-10536	-13338	SLV 7	0.4	932	1.117	-42854	878431	963377	SLV 9	0.41	992	1.146	Si
258	-1687	-10536	-13338	SLV 7	0.4	909	1.105	-42854	878431	963377	SLV 9	0.41	992	1.146	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	-77	-3700	-11671	SLD 7	0.42	1029	2.926	160071	469227	1414397	SLD 11	0.36	694	2.49	Si
37	-143	-3700	-11671	SLD 7	0.42	1012	2.906	160071	469227	1414397	SLD 11	0.36	694	2.49	Si
56	-273	-3700	-11671	SLD 7	0.41	982	2.871	160071	469227	1414409	SLD 11	0.36	694	2.49	Si
74	-402	-3700	-11671	SLD 7	0.41	955	2.838	157638	406771	1286994	SLD 11	0.37	761	2.586	Si
83	-467	-3700	-11671	SLD 7	0.41	941	2.821	155499	373543	1213055	SLD 11	0.38	799	2.638	Si
102	-597	-3700	-12960	SLD 7	0.45	1221	3.139	149423	307574	962923	SLD 11	0.36	676	2.463	Si
120	-726	-3700	-12960	SLD 7	0.44	1188	3.104	140950	242246	962923	SLD 11	0.45	1272	3.192	Si
139	-856	-3700	-12960	SLD 7	0.44	1155	3.068	130080	177485	962923	SLD 11	0.6	2474	4.193	Si
157	-985	-3700	-12960	SLD 7	0.43	1123	3.033	59534	126597	962923	SLD 9	0.6	2474	4.193	Si
176	-1115	-3700	-12960	SLD 7	0.43	1090	2.996	36340	194494	962923	SLD 9	0.6	2474	4.193	Si
194	-1244	-3700	-13338	SLD 7	0.44	1152	3.065	10750	262607	963184	SLD 9	0.48	1517	3.431	Si
213	-1374	-3700	-13338	SLD 7	0.43	1120	3.03	-17237	330815	963279	SLD 9	0.4	893	2.761	Si
222	-1439	-3700	-13338	SLD 7	0.43	1104	3.012	-32129	364942	963321	SLD 9	0.37	729	2.541	Si
241	-1568	-3700	-13338	SLD 7	0.43	1072	2.976	-42854	388705	963377	SLD 9	0.35	642	2.412	Si
258	-1687	-3700	-13338	SLD 7	0.42	1043	2.943	-42854	388705	963377	SLD 9	0.35	642	2.412	Si

Campata 2 tra i fili 33 - 26, sezione R 40x70, asta 1155

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	7.6	5.4						-165210	SLU 35	-156033	-1414576	0.086	Si
12	11.4	5.4	7.6	5.4						-155078	SLU 35	-153517	-1414576	0.086	Si
20	11.4	5.4	7.6	5.4						-148638	SLU 35	-148638	-1414576	0.086	Si
23	11.4	5.4	7.6	5.4						-146186	SLU 35	-148638	-1414576	0.086	Si
35	11.4	5.4	7.6	5.4						-138531	SLU 35	-148638	-1414576	0.086	Si
47	11.2	5.4	7.6	5.4						-132116	SLU 35	-148638	-1390053	0.086	Si
52	10.92	5.4	7.6	5.4						-129372	SLU 35	-146120	-1357403	0.085	Si
64	10.37	5.4	7.6	5.4						-124814	SLU 35	-138476	-1292099	0.084	Si
76	9.82	5.4	7.6	5.4						-121495	SLU 35	-132070	-1226773	0.083	Si
87	9.27	5.4	7.6	5.4						-119415	SLU 35	-126903	-1161432	0.082	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
99	7.6	5.4	7.6	5.4						-118573	SLU 35	-123934	-962923	0.078	Si
111	7.6	5.4	7.6	5.4						-119604	SLU 36	-128378	-962923	0.078	Si
122	7.6	5.4	7.6	5.4						-122200	SLU 36	-134060	-962923	0.078	Si
134	7.6	5.4	7.6	5.4						-126035	SLU 36	-136002	-962923	0.078	Si
140	7.6	5.4	7.6	5.4						-128417	SLU 36	-136002	-962923	0.078	Si
152	7.6	5.4	7.6	5.4						-134110	SLU 36	-136002	-962923	0.078	Si
155	7.6	5.4	7.6	5.4						-136002	SLU 36	-136002	-962923	0.078	Si
163	7.6	5.4	7.6	5.4						-141041	SLU 36	-139771	-962923	0.078	Si
175	7.6	5.4	7.6	5.4						-149211	SLU 36	-141715	-962923	0.078	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	7.6	5.4	396872	SLV 11	341266	963377	0.08	-581732	SLV 5	-514414	-1414576	0.086	Si
12	11.4	5.4	7.6	5.4	331049	SLV 11	321618	963377	0.08	-503130	SLV 5	-491714	-1414576	0.086	Si
20	11.4	5.4	7.6	5.4	283524	SLV 11	283524	963377	0.08	-447703	SLV 5	-447703	-1414576	0.086	Si
23	11.4	5.4	7.6	5.4	264441	SLV 11	283524	963377	0.08	-425649	SLV 5	-447703	-1414576	0.086	Si
35	11.4	5.4	7.6	5.4	197197	SLV 11	283524	963377	0.08	-349438	SLV 5	-447703	-1414576	0.086	Si
47	11.2	5.4	7.6	5.4	144274	SLV 15	283524	963360	0.079	-289452	SLV 1	-447703	-1390053	0.086	Si
52	10.92	5.4	7.6	5.4	124375	SLV 15	263885	963336	0.079	-266738	SLV 1	-425015	-1357403	0.085	Si
64	10.37	5.4	7.6	5.4	85278	SLV 15	196638	963282	0.079	-223437	SLV 1	-348816	-1292099	0.084	Si
76	9.82	5.4	7.6	5.4	57120	SLV 13	143944	963224	0.079	-192981	SLV 3	-289076	-1226773	0.083	Si
87	9.27	5.4	7.6	5.4	50273	SLV 9	188380	963161	0.079	-185741	SLV 7	-331164	-1161432	0.082	Si
99	7.6	5.4	7.6	5.4	104556	SLV 9	247219	962923	0.078	-241537	SLV 7	-396264	-962923	0.078	Si
111	7.6	5.4	7.6	5.4	160489	SLV 9	310706	962923	0.078	-300888	SLV 7	-467918	-962923	0.078	Si
122	7.6	5.4	7.6	5.4	217769	SLV 9	376371	962923	0.078	-363493	SLV 7	-543655	-962923	0.078	Si
134	7.6	5.4	7.6	5.4	278975	SLV 5	395717	962923	0.078	-431929	SLV 11	-566378	-962923	0.078	Si
140	7.6	5.4	7.6	5.4	311241	SLV 5	395717	962923	0.078	-468524	SLV 11	-566378	-962923	0.078	Si
152	7.6	5.4	7.6	5.4	376917	SLV 5	395717	962923	0.078	-544288	SLV 11	-566378	-962923	0.078	Si
155	7.6	5.4	7.6	5.4	395717	SLV 5	395717	962923	0.078	-566378	SLV 11	-566378	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	442613	SLV 5	433493	962923	0.078	-621978	SLV 11	-610706	-962923	0.078	Si
175	7.6	5.4	7.6	5.4	507724	SLV 5	452978	962923	0.078	-700988	SLV 11	-633570	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	7.6	5.4	123686	SLD 11	102357	963377	0.08	-308545	SLD 5	-275506	-1414576	0.086	Si
12	11.4	5.4	7.6	5.4	98145	SLD 11	94523	963377	0.08	-270226	SLD 5	-264619	-1414576	0.086	Si
20	11.4	5.4	7.6	5.4	79334	SLD 11	79334	963377	0.08	-243512	SLD 5	-243512	-1414576	0.086	Si
23	11.4	5.4	7.6	5.4	71723	SLD 11	79334	963377	0.08	-232932	SLD 5	-243512	-1414576	0.086	Si
35	11.4	5.4	7.6	5.4	44484	SLD 11	79334	963377	0.08	-196724	SLD 5	-243512	-1414576	0.086	Si
47	11.2	5.4	7.6	5.4	23278	SLD 15	79334	963360	0.079	-168456	SLD 1	-243512	-1390053	0.086	Si
52	10.92	5.4	7.6	5.4	15255	SLD 15	71499	963336	0.079	-157618	SLD 1	-232629	-1357403	0.085	Si
64	10.37	5.4	7.6	5.4	-892	SLD 15	44253	963282	0.079	-137267	SLD 1	-196432	-1292099	0.084	Si
76	9.82	5.4	7.6	5.4	-12679	SLD 13	23145	963224	0.079	-123182	SLD 3	-168277	-1226773	0.083	Si
87	9.27	5.4	7.6	5.4	-15556	SLD 9	43550	963161	0.079	-119912	SLD 7	-186333	-1161432	0.082	Si
99	7.6	5.4	7.6	5.4	8085	SLD 9	67817	962923	0.078	-145067	SLD 7	-216862	-962923	0.078	Si
111	7.6	5.4	7.6	5.4	31880	SLD 9	93612	962923	0.078	-172280	SLD 7	-250823	-962923	0.078	Si
122	7.6	5.4	7.6	5.4	55724	SLD 9	119838	962923	0.078	-201447	SLD 7	-287121	-962923	0.078	Si
134	7.6	5.4	7.6	5.4	80768	SLD 5	127449	962923	0.078	-233722	SLD 11	-298111	-962923	0.078	Si
140	7.6	5.4	7.6	5.4	93828	SLD 5	127449	962923	0.078	-251111	SLD 11	-298111	-962923	0.078	Si
152	7.6	5.4	7.6	5.4	120054	SLD 5	127449	962923	0.078	-287426	SLD 11	-298111	-962923	0.078	Si
155	7.6	5.4	7.6	5.4	127449	SLD 5	127449	962923	0.078	-298111	SLD 11	-298111	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	145757	SLD 5	142322	962923	0.078	-325121	SLD 11	-319535	-962923	0.078	Si
175	7.6	5.4	7.6	5.4	170667	SLD 5	149993	962923	0.078	-363931	SLD 11	-330585	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.37	0	975	SLU 22	975	9783	68363	0	9783	1	Si
12	0	9.82	0	869	SLU 22	869	9607	68363	0	9607	1	Si
20	0.067	9.27	0	793	SLU 22	793	9424	68363	7781	9424	1	Si
23	0.067	9.27	0	763	SLU 22	763	9424	68363	7781	9424	1	Si
35	0.067	7.6	0	657	SLU 22	657	8821	68363	7781	8821	1	Si
47	0.067	7.6	0	551	SLU 22	551	8821	68363	7781	8821	1	Si
52	0.067	7.6	0	497	SLU 22	497	8821	68363	7781	8821	1	Si
64	0.067	7.6	0	391	SLU 22	391	8821	68363	7781	8821	1	Si
76	0.067	7.6	0	285	SLU 22	285	8821	68363	7781	8821	1	Si
76	0.067	7.6	0	-18	SLU 11	-18	-8821	-68363	-7781	-8821	1	Si
87	0.067	7.6	0	179	SLU 22	179	8821	68363	7781	8821	1	Si
87	0.067	7.6	0	-100	SLU 11	-100	-8821	-68363	-7781	-8821	1	Si
99	0.067	7.6	0	87	SLU 4	87	8821	68363	7781	8821	1	Si
99	0.067	7.6	0	-196	SLU 29	-196	-8821	-68363	-7781	-8821	1	Si
111	0.067	7.6	0	5	SLU 4	5	8821	68363	7781	8821	1	Si
111	0.067	7.6	0	-302	SLU 29	-302	-8821	-68363	-7781	-8821	1	Si
122	0.067	7.6	0	-408	SLU 29	-408	-8821	-68363	-7781	-8821	1	Si
134	0.067	7.6	0	-515	SLU 29	-515	-8821	-68363	-7781	-8821	1	Si
140	0.067	7.6	0	-568	SLU 29	-568	-8821	-68363	-7781	-8821	1	Si
152	0.067	7.6	0	-674	SLU 29	-674	-8821	-68363	-7781	-8821	1	Si
155	0.067	7.6	0	-704	SLU 29	-704	-8821	-68363	-7781	-8821	1	Si
163	0	7.6	0	-780	SLU 29	-780	-8821	-68363	0	-8821	1	Si
175	0	7.6	0	-886	SLU 29	-886	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.37	0	6811	SLV 5	8429	9783	68363	0	9783	1	Si
0	0	7.6	0	-5634	SLV 11	-7252	-8821	-68363	0	-8821	1	Si
12	0	9.82	0	6729	SLV 5	8347	9607	68363	0	9607	1	Si
12	0	7.6	0	-5716	SLV 11	-7334	-8821	-68363	0	-8821	1	Si
20	0.067	9.27	0	6671	SLV 5	8289	9424	68363	7781	9424	1	Si
20	0.067	7.6	0	-5774	SLV 11	-7392	-8821	-68363	-7781	-8821	1	Si
23	0.067	9.27	0	6648	SLV 5	8266	9424	68363	7781	9424	1	Si
23	0.067	7.6	0	-5797	SLV 11	-7415	-8821	-68363	-7781	-8821	1	Si
35	0.067	7.6	0	6566	SLV 5	8184	8821	68363	7781	8821	1	Si
35	0.067	7.6	0	-5879	SLV 11	-7497	-8821	-68363	-7781	-8821	1	Si
47	0.067	7.6	0	6484	SLV 5	8102	8821	68363	7781	8821	1	Si
47	0.067	7.6	0	-5961	SLV 11	-7579	-8821	-68363	-7781	-8821	1	Si
52	0.067	7.6	0	6444	SLV 5	8062	8821	68363	7781	8821	1	Si
52	0.067	7.6	0	-6002	SLV 11	-7620	-8821	-68363	-7781	-8821	1	Si
64	0.067	7.6	0	6362	SLV 5	7980	8821	68363	7781	8821	1	Si
64	0.067	7.6	0	-6083	SLV 11	-7701	-8821	-68363	-7781	-8821	1	Si
76	0.067	7.6	0	6280	SLV 5	7898	8821	68363	7781	8821	1	Si
76	0.067	7.6	0	-6165	SLV 11	-7783	-8821	-68363	-7781	-8821	1	Si
87	0.067	7.6	0	6199	SLV 5	7817	8821	68363	7781	8821	1	Si
87	0.067	7.6	0	-6247	SLV 11	-7865	-8821	-68363	-7781	-8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
99	0.067	7.6	0	6117	SLV 5	7735	8821	68363	7781	8821	1	Si
99	0.067	7.6	0	-6328	SLV 11	-7946	-8821	-68363	-7781	-8821	1	Si
111	0.067	7.6	0	6035	SLV 5	7653	8821	68363	7781	8821	1	Si
111	0.067	7.6	0	-6410	SLV 11	-8028	-8821	-68363	-7781	-8821	1	Si
122	0.067	7.6	0	5954	SLV 5	7572	8821	68363	7781	8821	1	Si
122	0.067	7.6	0	-6492	SLV 11	-8110	-8821	-68363	-7781	-8821	1	Si
134	0.067	7.6	0	5872	SLV 5	7490	8821	68363	7781	8821	1	Si
134	0.067	7.6	0	-6573	SLV 11	-8191	-8821	-68363	-7781	-8821	1	Si
140	0.067	7.6	0	5831	SLV 5	7449	8821	68363	7781	8821	1	Si
140	0.067	7.6	0	-6614	SLV 11	-8232	-8821	-68363	-7781	-8821	1	Si
152	0.067	7.6	0	5749	SLV 5	7367	8821	68363	7781	8821	1	Si
152	0.067	7.6	0	-6696	SLV 11	-8314	-8821	-68363	-7781	-8821	1	Si
155	0.067	7.6	0	5726	SLV 5	7344	8821	68363	7781	8821	1	Si
155	0.067	7.6	0	-6719	SLV 11	-8337	-8821	-68363	-7781	-8821	1	Si
163	0	7.6	0	5668	SLV 5	7286	8821	68363	0	8821	1	Si
163	0	7.6	0	-6777	SLV 11	-8395	-8821	-68363	0	-8821	1	Si
175	0	7.6	0	5586	SLV 5	7204	8821	68363	0	8821	1	Si
175	0	7.6	0	-6859	SLV 11	-8477	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.37	0	3339	SLD 5	3339	9783	68363	0	9783	1	Si
0	0	7.6	0	-2162	SLD 11	-2162	-8821	-68363	0	-8821	1	Si
12	0	9.82	0	3258	SLD 5	3258	9607	68363	0	9607	1	Si
12	0	7.6	0	-2244	SLD 11	-2244	-8821	-68363	0	-8821	1	Si
20	0.067	9.27	0	3199	SLD 5	3199	9424	68363	7781	9424	1	Si
20	0.067	7.6	0	-2302	SLD 11	-2302	-8821	-68363	-7781	-8821	1	Si
23	0.067	9.27	0	3176	SLD 5	3176	9424	68363	7781	9424	1	Si
23	0.067	7.6	0	-2326	SLD 11	-2326	-8821	-68363	-7781	-8821	1	Si
35	0.067	7.6	0	3094	SLD 5	3094	8821	68363	7781	8821	1	Si
35	0.067	7.6	0	-2407	SLD 11	-2407	-8821	-68363	-7781	-8821	1	Si
47	0.067	7.6	0	3013	SLD 5	3013	8821	68363	7781	8821	1	Si
47	0.067	7.6	0	-2489	SLD 11	-2489	-8821	-68363	-7781	-8821	1	Si
52	0.067	7.6	0	2972	SLD 5	2972	8821	68363	7781	8821	1	Si
52	0.067	7.6	0	-2530	SLD 11	-2530	-8821	-68363	-7781	-8821	1	Si
64	0.067	7.6	0	2890	SLD 5	2890	8821	68363	7781	8821	1	Si
64	0.067	7.6	0	-2612	SLD 11	-2612	-8821	-68363	-7781	-8821	1	Si
76	0.067	7.6	0	2809	SLD 5	2809	8821	68363	7781	8821	1	Si
76	0.067	7.6	0	-2693	SLD 11	-2693	-8821	-68363	-7781	-8821	1	Si
87	0.067	7.6	0	2727	SLD 5	2727	8821	68363	7781	8821	1	Si
87	0.067	7.6	0	-2775	SLD 11	-2775	-8821	-68363	-7781	-8821	1	Si
99	0.067	7.6	0	2645	SLD 5	2645	8821	68363	7781	8821	1	Si
99	0.067	7.6	0	-2857	SLD 11	-2857	-8821	-68363	-7781	-8821	1	Si
111	0.067	7.6	0	2564	SLD 5	2564	8821	68363	7781	8821	1	Si
111	0.067	7.6	0	-2938	SLD 11	-2938	-8821	-68363	-7781	-8821	1	Si
122	0.067	7.6	0	2482	SLD 5	2482	8821	68363	7781	8821	1	Si
122	0.067	7.6	0	-3020	SLD 11	-3020	-8821	-68363	-7781	-8821	1	Si
134	0.067	7.6	0	2400	SLD 5	2400	8821	68363	7781	8821	1	Si
134	0.067	7.6	0	-3102	SLD 11	-3102	-8821	-68363	-7781	-8821	1	Si
140	0.067	7.6	0	2359	SLD 5	2359	8821	68363	7781	8821	1	Si
140	0.067	7.6	0	-3142	SLD 11	-3142	-8821	-68363	-7781	-8821	1	Si
152	0.067	7.6	0	2278	SLD 5	2278	8821	68363	7781	8821	1	Si
152	0.067	7.6	0	-3224	SLD 11	-3224	-8821	-68363	-7781	-8821	1	Si
155	0.067	7.6	0	2254	SLD 5	2254	8821	68363	7781	8821	1	Si
155	0.067	7.6	0	-3247	SLD 11	-3247	-8821	-68363	-7781	-8821	1	Si
163	0	7.6	0	2196	SLD 5	2196	8821	68363	0	8821	1	Si
163	0	7.6	0	-3306	SLD 11	-3306	-8821	-68363	0	-8821	1	Si
175	0	7.6	0	2114	SLD 5	2114	8821	68363	0	8821	1	Si
175	0	7.6	0	-3387	SLD 11	-3387	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-120684	8	-113708	4.4	124.5	169.9	1837	-97284	1	-90957	3.5	93.4	0	+∞	Si
12	-112988	8	-111800	4.3	124.5	167	1837	-90345	1	-89271	3.4	93.4	0	+∞	Si
20	-108102	8	-108102	4.2	124.5	161.5	1837	-86002	1	-86002	3.3	93.4	0	+∞	Si
23	-106244	8	-108102	4.2	124.5	161.5	1837	-84360	1	-86002	3.3	93.4	0	+∞	Si
35	-100453	8	-108102	4.2	124.5	161.5	1837	-79327	1	-86002	3.3	93.4	0	+∞	Si
47	-95614	8	-108102	4.2	124.5	164.4	1837	-75247	1	-86002	3.3	93.4	0	+∞	Si
52	-93552	8	-106194	4.2	124.5	165.4	1837	-73564	1	-84316	3.3	93.4	0	+∞	Si
64	-90143	8	-100411	4	124.5	164.4	1837	-70913	1	-79291	3.2	93.4	0	+∞	Si
76	-87687	8	-95580	3.9	124.5	164.9	1837	-69215	1	-75219	3.1	93.4	0	+∞	Si
87	-86183	8	-91703	3.8	124.5	167.3	1837	-68469	1	-72099	3	93.4	0	+∞	Si
99	-85633	8	-89786	2.3	124.5	35.1	1837	-68677	1	-74522	3.3	93.4	0	+∞	Si
111	-86458	9	-93202	2.4	124.5	36.4	1837	-70200	2	-78606	3.5	93.4	0	+∞	Si
122	-88453	9	-97572	2.5	124.5	38.1	1837	-72862	2	-83642	3.8	93.4	0	+∞	Si
134	-91401	9	-99065	2.6	124.5	38.7	1837	-76477	2	-85331	3.8	93.4	0	+∞	Si
140	-93233	9	-99065	2.6	124.5	38.7	1837	-78642	2	-85331	3.8	93.4	0	+∞	Si
152	-97610	9	-99065	2.6	124.5	38.7	1837	-83686	2	-85331	3.8	93.4	0	+∞	Si
155	-99065	9	-99065	2.6	124.5	38.7	1837	-85331	2	-85331	3.8	93.4	0	+∞	Si
163	-102940	9	-101963	2.7	124.5	39.9	1837	-89682	2	-88606	4	93.4	0	+∞	Si
175	-109223	9	-103458	2.7	124.5	40.4	1837	-96632	2	-90296	4.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
20	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
23	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
35	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	2	-0.001	2	9999	Si
47	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
52	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
64	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
76	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
87	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
99	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
111	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
122	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
134	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
140	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
152	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
155	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
163	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	448	7841	9424	SLV 5	0.41	991	1.145	-82089	365614	963377	SLV 11	0.57	2474	1.666	Si
23	425	7841	9424	SLV 5	0.42	998	1.148	-82089	365614	963377	SLV 11	0.57	2474	1.666	Si
35	343	7841	8821	SLV 5	0.39	861	1.081	-82089	365614	963377	SLV 11	0.57	2474	1.666	Si
47	262	7841	8821	SLV 5	0.4	881	1.091	-82089	365614	963360	SLV 11	0.57	2474	1.666	Si
52	221	7841	8821	SLV 5	0.4	891	1.096	-80565	344450	963336	SLV 11	0.57	2474	1.666	Si
64	139	7841	8821	SLV 5	0.4	912	1.107	-76089	272727	963282	SLV 11	0.57	2474	1.666	Si
76	58	7841	8821	SLV 5	0.4	933	1.117	-72566	216510	963224	SLV 15	0.57	2474	1.666	Si
87	-24	-7841	-8821	SLV 11	0.41	942	1.122	-71392	259772	963161	SLV 9	0.57	2474	1.666	Si
99	-106	-7841	-8821	SLV 11	0.4	921	1.111	-74522	-321741	-962923	SLV 7	0.57	2474	1.666	Si
111	-187	-7841	-8821	SLV 11	0.4	900	1.101	-78606	-389312	-962923	SLV 11	0.57	2474	1.666	Si
122	-269	-7841	-8821	SLV 11	0.4	879	1.09	-83642	-460013	-962923	SLV 11	0.57	2474	1.666	Si
134	-351	-7841	-8821	SLV 11	0.39	859	1.08	-85331	-481048	-962923	SLV 11	0.57	2474	1.666	Si
140	-392	-7841	-8821	SLV 11	0.39	849	1.075	-85331	-481048	-962923	SLV 11	0.57	2474	1.666	Si
152	-473	-7841	-8821	SLV 11	0.39	829	1.064	-85331	-481048	-962923	SLV 11	0.57	2474	1.666	Si
155	-497	-7841	-8821	SLV 11	0.39	823	1.061	-85331	-481048	-962923	SLV 11	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	448	2751	9424	SLD 5	0.44	1147	3.059	-82089	161423	963377	SLD 11	0.6	2474	4.193	Si
23	425	2751	9424	SLD 5	0.44	1154	3.067	-82089	161423	963377	SLD 11	0.6	2474	4.193	Si
35	343	2751	8821	SLD 5	0.41	983	2.872	-82089	161423	963377	SLD 11	0.6	2474	4.193	Si
47	262	2751	8821	SLD 5	0.42	1008	2.902	-82089	161423	963360	SLD 11	0.6	2474	4.193	Si
52	221	2751	8821	SLD 5	0.42	1022	2.918	-80565	152064	963336	SLD 11	0.6	2474	4.193	Si
64	139	2751	8821	SLD 5	0.42	1048	2.948	-76089	120343	963282	SLD 11	0.6	2474	4.193	Si
76	58	2751	8821	SLD 5	0.43	1076	2.98	-72566	95711	963224	SLD 15	0.6	2474	4.193	Si
87	-24	-2751	-8821	SLD 11	0.43	1086	2.992	-71392	114942	963161	SLD 9	0.6	2474	4.193	Si
99	-106	-2751	-8821	SLD 11	0.42	1059	2.961	-74522	-142340	-962923	SLD 7	0.6	2474	4.193	Si
111	-187	-2751	-8821	SLD 11	0.42	1032	2.93	-78606	-172217	-962923	SLD 11	0.6	2474	4.193	Si
122	-269	-2751	-8821	SLD 11	0.42	1007	2.9	-83642	-203479	-962923	SLD 11	0.57	2425	4.159	Si
134	-351	-2751	-8821	SLD 11	0.41	980	2.868	-85331	-212780	-962923	SLD 11	0.54	2141	3.952	Si
140	-392	-2751	-8821	SLD 11	0.41	968	2.854	-85331	-212780	-962923	SLD 11	0.54	2141	3.952	Si
152	-473	-2751	-8821	SLD 11	0.41	946	2.827	-85331	-212780	-962923	SLD 11	0.54	2141	3.952	Si
155	-497	-2751	-8821	SLD 11	0.41	939	2.818	-85331	-212780	-962923	SLD 11	0.54	2141	3.952	Si

Campata 3 tra i fili 26 - ?, sezione R 40x70, asta 1156

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-219427	SLU 36	-137220	-962923	0.078	Si
5	7.6	5.4	7.6	5.4						-178816	SLU 36	-132773	-962923	0.078	Si
10	7.6	5.4	7.6	5.4						-140479	SLU 30	-119433	-962923	0.078	Si
14	7.6	5.4	7.6	5.4						-103218	SLU 30	-97198	-962923	0.078	Si
19	7.6	5.4	7.6	5.4						-67409	SLU 29	-67317	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	-19057	SLU 4	193592	962923	0.078	-62168	SLU 29	-62168	-962923	0.078	Si
22	7.6	5.4	7.6	5.4	-9564	SLU 4	206502	962923	0.078	-49983	SLU 29	-62168	-962923	0.078	Si
27	7.6	5.4	7.6	5.4	22265	SLU 26	243275	962923	0.078	-19330	SLU 11	-62168	-962923	0.078	Si
31	7.6	5.4	7.6	5.4	56218	SLU 26	256261	962923	0.078	9647	SLU 11	-62168	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	93697	SLU 35	256261	962923	0.078	34724	SLU 2	-62168	-962923	0.078	Si
41	7.6	5.4	7.6	5.4	131110	SLU 35	256261	962923	0.078	59492	SLU 2	-62168	-962923	0.078	Si
46	7.6	5.4	7.6	5.4	168312	SLU 35	256261	962923	0.078	84099	SLU 2	-62168	-962923	0.078	Si
51	7.6	5.4	7.6	5.4	205302	SLU 35	256261	962923	0.078	108542	SLU 2	-51118	-962923	0.078	Si
55	7.6	5.4	7.6	5.4	242081	SLU 35	256261	962923	0.078	132823	SLU 2	-20278	-962923	0.078	Si
57	7.6	5.4	7.6	5.4	256261	SLU 35	256261	962923	0.078	142178	SLU 2	-9040	-962923	0.078	Si
58	7.6	5.4	7.6	5.4	260392	SLU 35	260314	962923	0.078						Si
63	7.6	5.4	7.6	5.4	296854	SLU 35	289702	962923	0.078						Si
67	7.6	5.4	7.6	5.4	333105	SLU 35	307335	962923	0.078						Si
72	7.6	5.4	7.6	5.4	369145	SLU 35	313213	962923	0.078						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	624702	SLV 11	590825	962923	0.078	-907445	SLV 5	-782657	-962923	0.078	Si
5	7.6	5.4	7.6	5.4	618226	SLV 11	586352	962923	0.078	-849538	SLV 5	-776035	-962923	0.078	Si
10	7.6	5.4	7.6	5.4	611640	SLV 11	582600	962923	0.078	-791849	SLV 5	-756169	-962923	0.078	Si
14	7.6	5.4	7.6	5.4	604958	SLV 7	601847	962923	0.078	-734387	SLV 9	-723059	-962923	0.078	Si
19	7.6	5.4	7.6	5.4	598191	SLV 7	597863	962923	0.078	-677166	SLV 9	-676706	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	597165	SLV 7	597165	962923	0.078	-668589	SLV 9	-668589	-962923	0.078	Si
22	7.6	5.4	7.6	5.4	594780	SLV 7	597165	962923	0.078	-648650	SLV 9	-668589	-962923	0.078	Si
27	7.6	5.4	7.6	5.4	587915	SLV 7	597165	962923	0.078	-591819	SLV 9	-668589	-962923	0.078	Si
31	7.6	5.4	7.6	5.4	581006	SLV 7	597165	962923	0.078	-535268	SLV 9	-668589	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	574070	SLV 7	597165	962923	0.078	-479015	SLV 9	-668589	-962923	0.078	Si
41	7.6	5.4	7.6	5.4	567121	SLV 7	597165	962923	0.078	-423076	SLV 9	-668589	-962923	0.078	Si
46	7.6	5.4	7.6	5.4	560171	SLV 7	597165	962923	0.078	-367459	SLV 9	-668589	-962923	0.078	Si
51	7.6	5.4	7.6	5.4	553223	SLV 7	595002	962923	0.078	-312171	SLV 9	-650509	-962923	0.078	Si
55	7.6	5.4	7.6	5.4	546276	SLV 7	588139	962923	0.078	-257207	SLV 9	-593668	-962923	0.078	Si
57	7.6	5.4	7.6	5.4	543583	SLV 7	585468	962923	0.078	-236017	SLV 9	-571739	-962923	0.078	Si
58	7.6	5.4	7.6	5.4	542799	SLV 7	542799	962923	0.078	-229845	SLV 9	-229845	-962923	0.078	Si
63	7.6	5.4	7.6	5.4	535832	SLV 7	535832	962923	0.078	-175350	SLV 9	-175350	-962923	0.078	Si
67	7.6	5.4	7.6	5.4	528834	SLV 7	528834	962923	0.078	-121148	SLV 9	-121148	-962923	0.078	Si
72	7.6	5.4	7.6	5.4	521789	SLV 7	521789	962923	0.078	-67224	SLV 9	-67224	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	197450	SLD 11	197450	962923	0.078	-480193	SLD 5	-395144	-962923	0.078	Si
5	7.6	5.4	7.6	5.4	208926	SLD 11	208926	962923	0.078	-440239	SLD 5	-390527	-962923	0.078	Si
10	7.6	5.4	7.6	5.4	220263	SLD 11	215441	962923	0.078	-400472	SLD 5	-376677	-962923	0.078	Si
14	7.6	5.4	7.6	5.4	231466	SLD 7	231466	962923	0.078	-360896	SLD 9	-353594	-962923	0.078	Si
19	7.6	5.4	7.6	5.4	242542	SLD 7	242433	962923	0.078	-321517	SLD 9	-321276	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	244193	SLD 7	308598	962923	0.078	-315618	SLD 9	-315618	-962923	0.078	Si
22	7.6	5.4	7.6	5.4	248033	SLD 7	312227	962923	0.078	-301904	SLD 9	-315618	-962923	0.078	Si
27	7.6	5.4	7.6	5.4	258930	SLD 7	322541	962923	0.078	-262833	SLD 9	-315618	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
31	7.6	5.4	7.6	5.4	269716	SLD 7	326174	962923	0.078	-223978	SLD 9	-315618	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	280399	SLD 7	326174	962923	0.078	-185345	SLD 9	-315618	-962923	0.078	Si
41	7.6	5.4	7.6	5.4	290987	SLD 7	326174	962923	0.078	-146941	SLD 9	-315618	-962923	0.078	Si
46	7.6	5.4	7.6	5.4	301483	SLD 7	326174	962923	0.078	-108772	SLD 9	-315618	-962923	0.078	Si
51	7.6	5.4	7.6	5.4	311890	SLD 7	326174	962923	0.078	-70838	SLD 9	-303182	-962923	0.078	Si
55	7.6	5.4	7.6	5.4	322207	SLD 7	326174	962923	0.078	-33138	SLD 9	-264105	-962923	0.078	Si
57	7.6	5.4	7.6	5.4	326174	SLD 7	326174	962923	0.078	-18608	SLD 9	-249035	-962923	0.078	Si
58	7.6	5.4	7.6	5.4	327330	SLD 7	327330	962923	0.078	-14375	SLD 9	-14375	-962923	0.078	Si
63	7.6	5.4	7.6	5.4	337502	SLD 7	335919	962923	0.078						Si
67	7.6	5.4	7.6	5.4	347569	SLD 7	341057	962923	0.078						Si
72	7.6	5.4	7.6	5.4	357525	SLD 7	342769	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	8449	SLU 36	8449	8821	68363	0	8821	1	Si
5	0	7.6	0	8406	SLU 36	8406	8821	68363	0	8821	1	Si
10	0	7.6	0	8362	SLU 36	8362	8821	68363	0	8821	1	Si
14	0	7.6	0	8318	SLU 36	8318	8821	68363	0	8821	1	Si
19	0	7.6	0	8274	SLU 36	8274	8821	68363	0	8821	1	Si
20	0.135	7.6	0	8267	SLU 36	8267	8821	68363	15652	15652	1	Si
22	0.135	7.6	0	8252	SLU 36	8252	8821	68363	15652	15652	1	Si
27	0.135	7.6	0	8208	SLU 36	8208	8821	68363	15652	15652	1	Si
31	0.135	7.6	0	8164	SLU 36	8164	8821	68363	15652	15652	1	Si
36	0.135	7.6	0	8121	SLU 36	8121	8821	68363	15652	15652	1	Si
41	0.135	7.6	0	8077	SLU 36	8077	8821	68363	15652	15652	1	Si
46	0.135	7.6	0	8033	SLU 36	8033	8821	68363	15652	15652	1	Si
51	0.135	7.6	0	7989	SLU 36	7989	8821	68363	15652	15652	1	Si
55	0.135	7.6	0	7945	SLU 36	7945	8821	68363	15652	15652	1	Si
57	0.135	7.6	0	7928	SLU 36	7928	8821	68363	15652	15652	1	Si
58	0	7.6	0	7923	SLU 36	7923	8821	68363	0	8821	1	Si
63	0	7.6	0	7879	SLU 36	7879	8821	68363	0	8821	1	Si
67	0	7.6	0	7836	SLU 36	7836	8821	68363	0	8821	1	Si
72	0	7.6	0	7792	SLU 36	7792	8821	68363	0	8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	12105	SLV 5	13861	8821	68363	0	8821	1	Si
0	0	7.6	0	-1399	SLV 11	-3155	-8821	-68363	0	-8821	1	Si
5	0	7.6	0	12072	SLV 5	13827	8821	68363	0	8821	1	Si
5	0	7.6	0	-1433	SLV 11	-3188	-8821	-68363	0	-8821	1	Si
10	0	7.6	0	12038	SLV 5	13794	8821	68363	0	8821	1	Si
10	0	7.6	0	-1467	SLV 11	-3222	-8821	-68363	0	-8821	1	Si
14	0	7.6	0	12004	SLV 5	13760	8821	68363	0	8821	1	Si
14	0	7.6	0	-1500	SLV 11	-3256	-8821	-68363	0	-8821	1	Si
19	0	7.6	0	11971	SLV 5	13726	8821	68363	0	8821	1	Si
19	0	7.6	0	-1534	SLV 11	-3290	-8821	-68363	0	-8821	1	Si
20	0.135	7.6	0	11965	SLV 5	13721	8821	68363	15652	15652	1	Si
20	0.135	7.6	0	-1539	SLV 11	-3295	-8821	-68363	-15652	-15652	1	Si
22	0.135	7.6	0	11954	SLV 5	13709	8821	68363	15652	15652	1	Si
22	0.135	7.6	0	-1551	SLV 11	-3307	-8821	-68363	-15652	-15652	1	Si
27	0.135	7.6	0	11920	SLV 5	13676	8821	68363	15652	15652	1	Si
27	0.135	7.6	0	-1585	SLV 11	-3340	-8821	-68363	-15652	-15652	1	Si
31	0.135	7.6	0	11886	SLV 5	13642	8821	68363	15652	15652	1	Si
31	0.135	7.6	0	-1618	SLV 11	-3374	-8821	-68363	-15652	-15652	1	Si
36	0.135	7.6	0	11852	SLV 5	13608	8821	68363	15652	15652	1	Si
36	0.135	7.6	0	-1652	SLV 11	-3408	-8821	-68363	-15652	-15652	1	Si
41	0.135	7.6	0	11819	SLV 5	13574	8821	68363	15652	15652	1	Si
41	0.135	7.6	0	-1686	SLV 11	-3441	-8821	-68363	-15652	-15652	1	Si
46	0.135	7.6	0	11785	SLV 5	13541	8821	68363	15652	15652	1	Si
46	0.135	7.6	0	-1720	SLV 11	-3475	-8821	-68363	-15652	-15652	1	Si
51	0.135	7.6	0	11751	SLV 5	13507	8821	68363	15652	15652	1	Si
51	0.135	7.6	0	-1753	SLV 11	-3509	-8821	-68363	-15652	-15652	1	Si
55	0.135	7.6	0	11718	SLV 5	13473	8821	68363	15652	15652	1	Si
55	0.135	7.6	0	-1787	SLV 11	-3543	-8821	-68363	-15652	-15652	1	Si
57	0.135	7.6	0	11705	SLV 5	13460	8821	68363	15652	15652	1	Si
57	0.135	7.6	0	-1800	SLV 11	-3556	-8821	-68363	-15652	-15652	1	Si
58	0	7.6	0	11701	SLV 5	13456	8821	68363	0	8821	1	Si
58	0	7.6	0	-1804	SLV 11	-3560	-8821	-68363	0	-8821	1	Si
63	0	7.6	0	11667	SLV 5	13423	8821	68363	0	8821	1	Si
63	0	7.6	0	-1838	SLV 11	-3593	-8821	-68363	0	-8821	1	Si
67	0	7.6	0	11633	SLV 5	13389	8821	68363	0	8821	1	Si
67	0	7.6	0	-1871	SLV 11	-3627	-8821	-68363	0	-8821	1	Si
72	0	7.6	0	11600	SLV 5	13355	8821	68363	0	8821	1	Si
72	0	7.6	0	-1905	SLV 11	-3661	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	8340	SLD 5	8340	8821	68363	0	8821	1	Si
5	0	7.6	0	8306	SLD 5	8306	8821	68363	0	8821	1	Si
10	0	7.6	0	8272	SLD 5	8272	8821	68363	0	8821	1	Si
14	0	7.6	0	8239	SLD 5	8239	8821	68363	0	8821	1	Si
19	0	7.6	0	8205	SLD 5	8205	8821	68363	0	8821	1	Si
20	0.135	7.6	0	8200	SLD 5	8200	8821	68363	15652	15652	1	Si
22	0.135	7.6	0	8188	SLD 5	8188	8821	68363	15652	15652	1	Si
27	0.135	7.6	0	8154	SLD 5	8154	8821	68363	15652	15652	1	Si
31	0.135	7.6	0	8121	SLD 5	8121	8821	68363	15652	15652	1	Si
36	0.135	7.6	0	8087	SLD 5	8087	8821	68363	15652	15652	1	Si
41	0.135	7.6	0	8053	SLD 5	8053	8821	68363	15652	15652	1	Si
46	0.135	7.6	0	8019	SLD 5	8019	8821	68363	15652	15652	1	Si
51	0.135	7.6	0	7986	SLD 5	7986	8821	68363	15652	15652	1	Si
55	0.135	7.6	0	7952	SLD 5	7952	8821	68363	15652	15652	1	Si
57	0.135	7.6	0	7939	SLD 5	7939	8821	68363	15652	15652	1	Si
58	0	7.6	0	7935	SLD 5	7935	8821	68363	0	8821	1	Si
63	0	7.6	0	7901	SLD 5	7901	8821	68363	0	8821	1	Si
67	0	7.6	0	7868	SLD 5	7868	8821	68363	0	8821	1	Si
72	0	7.6	0	7834	SLD 5	7834	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-158334	9	-98182	2.6	124.5	38.4	1837	-141371	2	-87844	3.9	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
5	-128694	9	-94918	2.5	124.5	37.1	1837	-115656	2	-84817	3.8	93.4	0	+∞	Si
10	-100591	3	-85125	2.2	124.5	33.3	1837	-90104	2	-75738	3.4	93.4	0	+∞	Si
14	-73228	3	-68805	1.8	124.5	26.9	1837	-64715	2	-60606	2.7	93.4	0	+∞	Si
19	-46854	2	-46786	1.2	124.5	18.3	1837	-39488	2	-39422	1.8	93.4	0	+∞	Si
20	-42986	2	-42986	1.1	124.5	16.8	1837	-35712	2	-35712	1.6	93.4	0	+∞	Si
22	-33994	2	-42986	1.1	124.5	16.8	1837	-26935	2	-35712	1.6	93.4	0	+∞	Si
27	13954	8	178411	4.6	124.5	69.7	1837	7715	1	149419	6.7	93.4	0	+∞	Si
27	-8396	2	-42986	1.1	124.5	16.8	1837	-1952	2	-35712	1.6	93.4	0	+∞	Si
31	41624	8	187892	4.9	124.5	73.4	1837	31614	1	157563	7.1	93.4	0	+∞	Si
36	69133	8	187892	4.9	124.5	73.4	1837	55351	1	157563	7.1	93.4	0	+∞	Si
41	96478	8	187892	4.9	124.5	73.4	1837	78925	1	157563	7.1	93.4	0	+∞	Si
46	123661	8	187892	4.9	124.5	73.4	1837	102336	1	157563	7.1	93.4	0	+∞	Si
51	150682	8	187892	4.9	124.5	73.4	1837	125585	1	157563	7.1	93.4	0	+∞	Si
55	177540	8	187892	4.9	124.5	73.4	1837	148671	1	157563	7.1	93.4	0	+∞	Si
57	187892	8	187892	4.9	124.5	73.4	1837	157563	1	157563	7.1	93.4	0	+∞	Si
58	190908	8	190851	5	124.5	74.6	1837	160153	1	160104	7.2	93.4	0	+∞	Si
63	217522	8	212306	5.5	124.5	83	1837	182996	1	178529	8	93.4	0	+∞	Si
67	243974	8	225179	5.9	124.5	88	1837	205676	1	189585	8.5	93.4	0	+∞	Si
72	270263	8	229470	6	124.5	89.7	1837	228193	1	193270	8.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
5	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
10	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
14	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
19	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
22	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
27	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
31	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
36	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
41	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
46	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
48	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
51	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
55	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
57	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
58	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
63	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
67	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	5213	8508	15652	SLV 5	0.44	1190	1.234	-35712	-632877	-962923	SLV 9	0.52	1909	1.498	Si
22	5201	8508	15652	SLV 5	0.44	1194	1.236	-35712	-632877	-962923	SLV 9	0.52	1909	1.498	Si
27	5168	8508	15652	SLV 5	0.44	1204	1.24	-35712	-632877	-962923	SLV 9	0.52	1909	1.498	Si
31	5134	8508	15652	SLV 5	0.45	1214	1.245	-35712	-632877	-962923	SLV 9	0.52	1909	1.498	Si
36	5100	8508	15652	SLV 5	0.45	1225	1.249	-35712	-632877	-962923	SLV 9	0.52	1909	1.498	Si
41	5066	8508	15652	SLV 5	0.45	1235	1.253	-35712	-632877	-962923	SLV 9	0.52	1909	1.498	Si
46	5033	8508	15652	SLV 5	0.45	1246	1.258	-35712	-632877	-962923	SLV 9	0.52	1909	1.498	Si
51	4999	8508	15652	SLV 5	0.45	1256	1.262	-27753	-622755	-962923	SLV 9	0.54	2039	1.539	Si
55	4965	8508	15652	SLV 5	0.45	1267	1.267	-2765	-590904	-962923	SLV 9	0.57	2474	1.666	Si
57	4952	8508	15652	SLV 5	0.45	1271	1.268	153783	389800	962923	SLV 7	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	5213	2987	15652	SLD 5	0.47	1376	3.297	-35712	-279906	-962923	SLD 9	0.44	1194	3.11	Si
22	5201	2987	15652	SLD 5	0.47	1380	3.3	-35712	-279906	-962923	SLD 9	0.44	1194	3.11	Si
27	5168	2987	15652	SLD 5	0.47	1392	3.312	-35712	-279906	-962923	SLD 9	0.44	1194	3.11	Si
31	5134	2987	15652	SLD 5	0.47	1404	3.324	-35712	-279906	-962923	SLD 9	0.44	1194	3.11	Si
36	5100	2987	15652	SLD 5	0.47	1415	3.335	-35712	-279906	-962923	SLD 9	0.44	1194	3.11	Si
41	5066	2987	15652	SLD 5	0.47	1428	3.347	-35712	-279906	-962923	SLD 9	0.44	1194	3.11	Si
46	5033	2987	15652	SLD 5	0.47	1440	3.359	-35712	-279906	-962923	SLD 9	0.44	1194	3.11	Si
51	4999	2987	15652	SLD 5	0.47	1452	3.37	-27753	-275429	-962923	SLD 9	0.45	1274	3.194	Si
55	4965	2987	15652	SLD 5	0.48	1464	3.381	-2765	-261340	-962923	SLD 9	0.49	1571	3.481	Si
57	4952	2987	15652	SLD 5	0.48	1469	3.386	153783	172391	962923	SLD 7	0.6	2474	4.193	Si

Campata 4 tra i fili ? - 16, sezione R 40x70, asta 1157

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	355926	SLU 35	353033	962923	0.078						Si
12	7.6	5.4	7.6	5.4	354391	SLU 36	354391	962923	0.078						Si
15	7.6	5.4	7.6	5.4	354493	SLU 36	354611	962923	0.078						Si
24	7.6	5.4	7.6	5.4	354494	SLU 36	354611	962923	0.078						Si
37	7.6	5.4	7.6	5.4	353247	SLU 36	354611	962923	0.078						Si
49	7.6	5.4	7.6	5.4	350650	SLU 36	354585	962923	0.078						Si
55	7.6	5.4	7.6	5.4	348845	SLU 36	354391	962923	0.078						Si
67	7.6	5.4	7.6	5.4	344222	SLU 36	352991	962923	0.078						Si
79	7.6	5.4	7.6	5.4	341688	SLU 30	350240	962923	0.078						Si
91	7.6	5.4	7.6	5.4	341010	SLU 30	346139	962923	0.078						Si
104	7.6	5.4	9.49	5.4	338981	SLU 30	341688	1187718	0.082						Si
116	7.6	5.4	10.31	5.4	335602	SLU 30	341402	1285161	0.084						Si
128	7.6	5.4	11.13	5.4	331928	SLU 29	339896	1382573	0.086						Si
140	7.6	5.4	11.4	5.4	328147	SLU 29	337039	1414576	0.086						Si
146	7.6	5.4	11.4	5.4	325751	SLU 29	335104	1414576	0.086						Si
158	7.6	5.4	11.4	5.4	319944	SLU 29	331537	1414576	0.086						Si
163	7.6	5.4	11.4	5.4	317503	SLU 29	330304	1414576	0.086						Si
171	7.6	5.4	11.4	5.4	312788	SLU 29	312788	1414576	0.086						Si
183	7.6	5.4	11.4	5.4	304282	SLU 29	304282	1414576	0.086						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	524542	SLV 7	468512	962923	0.078	-88829	SLV 9	-26870	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
12	7.6	5.4	7.6	5.4	434462	SLV 7	432278	962923	0.078						Si
15	7.6	5.4	7.6	5.4	413568	SLV 7	413568	962923	0.078						Si
24	7.6	5.4	7.6	5.4	344181	SLV 7	413568	962923	0.078						Si
37	7.6	5.4	7.6	5.4	285171	SLV 3	470534	962923	0.078	170402	SLV 13	-12560	-962923	0.078	Si
49	7.6	5.4	7.6	5.4	335567	SLV 5	567179	962923	0.078	122471	SLV 11	-111697	-962923	0.078	Si
55	7.6	5.4	7.6	5.4	384273	SLV 5	615173	962923	0.078	74219	SLV 11	-161716	-962923	0.078	Si
67	7.6	5.4	7.6	5.4	481564	SLV 5	710456	962923	0.078	-23722	SLV 11	-262607	-962923	0.078	Si
79	7.6	5.4	7.6	5.4	578116	SLV 5	804770	962923	0.078	-123003	SLV 11	-364606	-962923	0.078	Si
91	7.6	5.4	7.6	5.4	673766	SLV 5	898094	962923	0.078	-223458	SLV 11	-467693	-962923	0.078	Si
97	7.6	5.4	7.6	5.4	721234	SLV 5	944380	962923	0.078	-274107	SLV 11	-519640	-962923	0.078	Si
104	7.6	5.4	9.49	5.4	768458	SLV 5	990414	1187718	0.082	-325033	SLV 11	-571853	-963187	0.079	Si
116	7.6	5.4	10.31	5.4	862167	SLV 5	1081723	1285161	0.084	-427701	SLV 11	-677080	-963277	0.079	Si
128	7.6	5.4	11.13	5.4	954877	SLV 5	1172014	1382573	0.086	-531448	SLV 11	-783366	-963354	0.079	Si
140	7.6	5.4	11.4	5.4	1046577	SLV 5	1214242	1414576	0.086	-636264	SLV 11	-833866	-963377	0.08	Si
146	7.6	5.4	11.4	5.4	1092047	SLV 5	1214242	1414576	0.086	-689070	SLV 11	-833866	-963377	0.08	Si
158	7.6	5.4	11.4	5.4	1182223	SLV 5	1214242	1414576	0.086	-795476	SLV 11	-833866	-963377	0.08	Si
163	7.6	5.4	11.4	5.4	1214242	SLV 5	1214242	1414576	0.086	-833866	SLV 11	-833866	-963377	0.08	Si
171	7.6	5.4	11.4	5.4	1271376	SLV 5	1260413	1414576	0.086	-902937	SLV 11	-889339	-963377	0.08	Si
183	7.6	5.4	11.4	5.4	1359504	SLV 5	1287640	1414576	0.086	-1011450	SLV 11	-922052	-963377	0.08	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	353484	SLD 7	330347	962923	0.078						Si
12	7.6	5.4	7.6	5.4	316056	SLD 7	315130	962923	0.078						Si
15	7.6	5.4	7.6	5.4	307272	SLD 7	307272	962923	0.078						Si
24	7.6	5.4	7.6	5.4	277953	SLD 7	307272	962923	0.078						Si
37	7.6	5.4	7.6	5.4	253128	SLD 3	335873	962923	0.078						Si
49	7.6	5.4	7.6	5.4	276167	SLD 5	377937	962923	0.078						Si
55	7.6	5.4	7.6	5.4	297850	SLD 5	398606	962923	0.078						Si
67	7.6	5.4	7.6	5.4	340716	SLD 5	439196	962923	0.078						Si
79	7.6	5.4	7.6	5.4	382673	SLD 5	478779	962923	0.078	72440	SLD 11	-38615	-962923	0.078	Si
91	7.6	5.4	7.6	5.4	423650	SLD 5	517343	962923	0.078	26658	SLD 11	-86943	-962923	0.078	Si
97	7.6	5.4	7.6	5.4	443763	SLD 5	536242	962923	0.078	3363	SLD 11	-111502	-962923	0.078	Si
104	7.6	5.4	9.49	5.4	463624	SLD 5	554885	1187718	0.082	-20198	SLD 11	-136324	-963187	0.079	Si
116	7.6	5.4	10.31	5.4	502583	SLD 5	591400	1285161	0.084	-68117	SLD 11	-186757	-963277	0.079	Si
128	7.6	5.4	11.13	5.4	540520	SLD 5	626885	1382573	0.086	-117092	SLD 11	-238237	-963354	0.079	Si
140	7.6	5.4	11.4	5.4	577432	SLD 5	643260	1414576	0.086	-167119	SLD 11	-262884	-963377	0.08	Si
146	7.6	5.4	11.4	5.4	595503	SLD 5	643260	1414576	0.086	-192525	SLD 11	-262884	-963377	0.08	Si
158	7.6	5.4	11.4	5.4	630871	SLD 5	643260	1414576	0.086	-244124	SLD 11	-262884	-963377	0.08	Si
163	7.6	5.4	11.4	5.4	643260	SLD 5	643260	1414576	0.086	-262884	SLD 11	-262884	-963377	0.08	Si
171	7.6	5.4	11.4	5.4	665208	SLD 5	661093	1414576	0.086	-296769	SLD 11	-290019	-963377	0.08	Si
183	7.6	5.4	11.4	5.4	698512	SLD 5	671608	1414576	0.086	-350459	SLD 11	-306020	-963377	0.08	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	909	SLU 29	909	8821	68363	0	8821	1	Si
0	0	7.6	0	-423	SLU 8	-423	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	812	SLU 11	812	8821	68363	0	8821	1	Si
12	0	7.6	0	-522	SLU 26	-522	-8821	-68363	0	-8821	1	Si
15	0.095	7.6	0	793	SLU 11	793	8821	68363	11061	11061	1	Si
15	0.095	7.6	0	-548	SLU 26	-548	-8821	-68363	-11061	-11061	1	Si
24	0.095	7.6	0	727	SLU 11	727	8821	68363	11061	11061	1	Si
24	0.095	7.6	0	-633	SLU 26	-633	-8821	-68363	-11061	-11061	1	Si
37	0.095	7.6	0	642	SLU 11	642	8821	68363	11061	11061	1	Si
37	0.095	7.6	0	-744	SLU 26	-744	-8821	-68363	-11061	-11061	1	Si
49	0.095	7.6	0	556	SLU 11	556	8821	68363	11061	11061	1	Si
49	0.095	7.6	0	-855	SLU 26	-855	-8821	-68363	-11061	-11061	1	Si
55	0.095	7.6	0	514	SLU 11	514	8821	68363	11061	11061	1	Si
55	0.095	7.6	0	-910	SLU 26	-910	-8821	-68363	-11061	-11061	1	Si
67	0.095	7.6	0	429	SLU 11	429	8821	68363	11061	11061	1	Si
67	0.095	7.6	0	-1021	SLU 26	-1021	-8821	-68363	-11061	-11061	1	Si
79	0.095	7.6	0	343	SLU 11	343	8821	68363	11061	11061	1	Si
79	0.095	7.6	0	-1132	SLU 26	-1132	-8821	-68363	-11061	-11061	1	Si
91	0.095	7.6	0	258	SLU 11	258	8821	68363	11061	11061	1	Si
91	0.095	7.6	0	-1243	SLU 26	-1243	-8821	-68363	-11061	-11061	1	Si
104	0.095	7.6	0	173	SLU 11	173	8821	68363	11061	11061	1	Si
104	0.095	7.6	0	-1354	SLU 26	-1354	-8821	-68363	-11061	-11061	1	Si
116	0.095	7.6	0	87	SLU 11	87	8821	68363	11061	11061	1	Si
116	0.095	7.6	0	-1464	SLU 26	-1464	-8821	-68363	-11061	-11061	1	Si
128	0.095	7.6	0	2	SLU 11	2	8821	68363	11061	11061	1	Si
128	0.095	7.6	0	-1575	SLU 26	-1575	-8821	-68363	-11061	-11061	1	Si
140	0.095	7.6	0	-1686	SLU 26	-1686	-8821	-68363	-11061	-11061	1	Si
146	0.095	7.6	0	-1742	SLU 26	-1742	-8821	-68363	-11061	-11061	1	Si
158	0.095	7.6	0	-1852	SLU 26	-1852	-8821	-68363	-11061	-11061	1	Si
163	0.095	7.6	0	-1892	SLU 26	-1892	-8821	-68363	-11061	-11061	1	Si
164	0	7.6	0	-1908	SLU 26	-1908	-8821	-68363	0	-8821	1	Si
171	0	9.49	0	-1963	SLU 26	-1963	-9499	-68363	0	-9499	1	Si
183	0	10.31	0	-2074	SLU 26	-2074	-9765	-68363	0	-9765	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	8479	SLV 5	10579	8821	68363	0	8821	1	Si
0	0	7.6	0	-7680	SLV 11	-9780	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	8394	SLV 5	10494	8821	68363	0	8821	1	Si
12	0	7.6	0	-7765	SLV 11	-9865	-8821	-68363	0	-8821	1	Si
15	0.095	7.6	0	8374	SLV 5	10474	8821	68363	11061	11061	1	Si
15	0.095	7.6	0	-7785	SLV 11	-9885	-8821	-68363	-11061	-11061	1	Si
24	0.095	7.6	0	8308	SLV 5	10409	8821	68363	11061	11061	1	Si
24	0.095	7.6	0	-7850	SLV 11	-9951	-8821	-68363	-11061	-11061	1	Si
37	0.095	7.6	0	8223	SLV 5	10324	8821	68363	11061	11061	1	Si
37	0.095	7.6	0	-7935	SLV 11	-10036	-8821	-68363	-11061	-11061	1	Si
49	0.095	7.6	0	8138	SLV 5	10238	8821	68363	11061	11061	1	Si
49	0.095	7.6	0	-8021	SLV 11	-10121	-8821	-68363	-11061	-11061	1	Si
55	0.095	7.6	0	8095	SLV 5	10196	8821	68363	11061	11061	1	Si
55	0.095	7.6	0	-8063	SLV 11	-10164	-8821	-68363	-11061	-11061	1	Si
67	0.095	7.6	0	8010	SLV 5	10110	8821	68363	11061	11061	1	Si
67	0.095	7.6	0	-8149	SLV 11	-10249	-8821	-68363	-11061	-11061	1	Si
79	0.095	7.6	0	7925	SLV 5	10025	8821	68363	11061	11061	1	Si
79	0.095	7.6	0	-8234	SLV 11	-10334	-8821	-68363	-11061	-11061	1	Si
91	0.095	7.6	0	7839	SLV 5	9940	8821	68363	11061	11061	1	Si
91	0.095	7.6	0	-8319	SLV 11	-10420	-8821	-68363	-11061	-11061	1	Si
104	0.095	7.6	0	7754	SLV 5	9855	8821	68363	11061	11061	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
104	0.095	7.6	0	-8404	SLV 11	-10505	-8821	-68363	-11061	-11061	1	Si
116	0.095	7.6	0	7669	SLV 5	9769	8821	68363	11061	11061	1	Si
116	0.095	7.6	0	-8490	SLV 11	-10590	-8821	-68363	-11061	-11061	1	Si
128	0.095	7.6	0	7584	SLV 5	9684	8821	68363	11061	11061	1	Si
128	0.095	7.6	0	-8575	SLV 11	-10675	-8821	-68363	-11061	-11061	1	Si
140	0.095	7.6	0	7498	SLV 5	9599	8821	68363	11061	11061	1	Si
140	0.095	7.6	0	-8660	SLV 11	-10761	-8821	-68363	-11061	-11061	1	Si
146	0.095	7.6	0	7456	SLV 5	9556	8821	68363	11061	11061	1	Si
146	0.095	7.6	0	-8703	SLV 11	-10803	-8821	-68363	-11061	-11061	1	Si
158	0.095	7.6	0	7370	SLV 5	9471	8821	68363	11061	11061	1	Si
158	0.095	7.6	0	-8788	SLV 11	-10889	-8821	-68363	-11061	-11061	1	Si
163	0.095	7.6	0	7340	SLV 5	9440	8821	68363	11061	11061	1	Si
163	0.095	7.6	0	-8819	SLV 11	-10919	-8821	-68363	-11061	-11061	1	Si
171	0	9.49	0	7285	SLV 5	9386	9499	68363	0	9499	1	Si
171	0	7.6	0	-8873	SLV 11	-10974	-8821	-68363	0	-8821	1	Si
183	0	10.31	0	7200	SLV 5	9300	9765	68363	0	9765	1	Si
183	0	7.6	0	-8959	SLV 11	-11059	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3974	SLD 5	3974	8821	68363	0	8821	1	Si
0	0	7.6	0	-3175	SLD 11	-3175	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	3889	SLD 5	3889	8821	68363	0	8821	1	Si
12	0	7.6	0	-3260	SLD 11	-3260	-8821	-68363	0	-8821	1	Si
15	0.095	7.6	0	3869	SLD 5	3869	8821	68363	11061	11061	1	Si
15	0.095	7.6	0	-3280	SLD 11	-3280	-8821	-68363	-11061	-11061	1	Si
24	0.095	7.6	0	3803	SLD 5	3803	8821	68363	11061	11061	1	Si
24	0.095	7.6	0	-3345	SLD 11	-3345	-8821	-68363	-11061	-11061	1	Si
37	0.095	7.6	0	3718	SLD 5	3718	8821	68363	11061	11061	1	Si
37	0.095	7.6	0	-3430	SLD 11	-3430	-8821	-68363	-11061	-11061	1	Si
49	0.095	7.6	0	3633	SLD 5	3633	8821	68363	11061	11061	1	Si
49	0.095	7.6	0	-3516	SLD 11	-3516	-8821	-68363	-11061	-11061	1	Si
55	0.095	7.6	0	3590	SLD 5	3590	8821	68363	11061	11061	1	Si
55	0.095	7.6	0	-3558	SLD 11	-3558	-8821	-68363	-11061	-11061	1	Si
67	0.095	7.6	0	3505	SLD 5	3505	8821	68363	11061	11061	1	Si
67	0.095	7.6	0	-3644	SLD 11	-3644	-8821	-68363	-11061	-11061	1	Si
79	0.095	7.6	0	3420	SLD 5	3420	8821	68363	11061	11061	1	Si
79	0.095	7.6	0	-3729	SLD 11	-3729	-8821	-68363	-11061	-11061	1	Si
91	0.095	7.6	0	3334	SLD 5	3334	8821	68363	11061	11061	1	Si
91	0.095	7.6	0	-3814	SLD 11	-3814	-8821	-68363	-11061	-11061	1	Si
104	0.095	7.6	0	3249	SLD 5	3249	8821	68363	11061	11061	1	Si
104	0.095	7.6	0	-3899	SLD 11	-3899	-8821	-68363	-11061	-11061	1	Si
116	0.095	7.6	0	3164	SLD 5	3164	8821	68363	11061	11061	1	Si
116	0.095	7.6	0	-3985	SLD 11	-3985	-8821	-68363	-11061	-11061	1	Si
128	0.095	7.6	0	3079	SLD 5	3079	8821	68363	11061	11061	1	Si
128	0.095	7.6	0	-4070	SLD 11	-4070	-8821	-68363	-11061	-11061	1	Si
140	0.095	7.6	0	2993	SLD 5	2993	8821	68363	11061	11061	1	Si
140	0.095	7.6	0	-4155	SLD 11	-4155	-8821	-68363	-11061	-11061	1	Si
146	0.095	7.6	0	2951	SLD 5	2951	8821	68363	11061	11061	1	Si
146	0.095	7.6	0	-4198	SLD 11	-4198	-8821	-68363	-11061	-11061	1	Si
158	0.095	7.6	0	2865	SLD 5	2865	8821	68363	11061	11061	1	Si
158	0.095	7.6	0	-4283	SLD 11	-4283	-8821	-68363	-11061	-11061	1	Si
163	0.095	7.6	0	2835	SLD 5	2835	8821	68363	11061	11061	1	Si
163	0.095	7.6	0	-4314	SLD 11	-4314	-8821	-68363	-11061	-11061	1	Si
171	0	9.49	0	2780	SLD 5	2780	9499	68363	0	9499	1	Si
171	0	7.6	0	-4368	SLD 11	-4368	-8821	-68363	0	-8821	1	Si
183	0	10.31	0	2695	SLD 5	2695	9765	68363	0	9765	1	Si
183	0	7.6	0	-4454	SLD 11	-4454	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	260600	8	258705	6.7	124.5	101.1	1837	219565	1	219565	9.8	93.4	0	+∞	Si
12	259569	9	259569	6.8	124.5	101.5	1837	222205	2	222205	10	93.4	0	+∞	Si
15	259611	9	259660	6.8	124.5	101.5	1837	223031	2	228647	10.3	93.4	0	+∞	Si
24	259492	9	259660	6.8	124.5	101.5	1837	225515	2	229194	10.3	93.4	0	+∞	Si
37	258376	9	259660	6.8	124.5	101.5	1837	227786	2	229246	10.3	93.4	0	+∞	Si
49	256222	9	259622	6.8	124.5	101.5	1837	229019	2	229246	10.3	93.4	0	+∞	Si
55	254755	9	259395	6.8	124.5	101.4	1837	229246	2	229246	10.3	93.4	0	+∞	Si
67	251043	9	258161	6.7	124.5	100.9	1837	228921	2	229246	10.3	93.4	0	+∞	Si
79	248584	3	255889	6.7	124.5	100	1837	227557	2	229246	10.3	93.4	0	+∞	Si
91	247225	3	252578	6.6	124.5	98.7	1837	225154	2	229147	10.3	93.4	0	+∞	Si
104	244826	3	248809	10.3	124.5	443.6	1837	221713	2	228184	9.4	93.4	0	+∞	Si
116	241389	3	247851	9.9	124.5	407.9	1837	217233	2	226183	9.1	93.4	0	+∞	Si
128	237616	2	245853	9.6	124.5	375.9	1837	211714	2	223143	8.7	93.4	0	+∞	Si
140	233634	2	242818	9.4	124.5	362.8	1837	205157	2	219065	8.5	93.4	0	+∞	Si
146	231254	2	240910	9.3	124.5	359.9	1837	201489	2	216636	8.4	93.4	0	+∞	Si
158	225714	2	237194	9.2	124.5	354.4	1837	193373	2	210999	8.2	93.4	0	+∞	Si
163	223451	2	235861	9.1	124.5	352.4	1837	190188	2	208744	8.1	93.4	0	+∞	Si
171	219135	2	219135	8.5	124.5	327.4	1837	184219	2	184219	7.1	93.4	0	+∞	Si
183	211518	2	211518	8.2	124.5	316	1837	174027	2	174027	6.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
15	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
24	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
37	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
49	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
55	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.006	2	0.005	2	9999	Si
67	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
79	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.006	2	0.006	2	9999	Si
91	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.007	2	0.006	2	9999	Si
104	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.006	2	0.006	2	9999	Si
116	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
128	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
140	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
146	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.004	2	0.003	2	9999	Si
158	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
163	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
171	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	295	10180	11061	SLV 5	0.38	816	1.057	223031	190537	962923	SLV 7	0.57	2474	1.666	Si
24	229	10180	11061	SLV 5	0.39	828	1.064	223031	190537	962923	SLV 7	0.57	2474	1.666	Si
37	144	10180	11061	SLV 5	0.39	844	1.072	228987	241547	962923	SLV 5	0.57	2474	1.666	Si
49	59	10180	11061	SLV 5	0.39	860	1.081	227741	339438	962923	SLV 5	0.57	2474	1.666	Si
55	16	10180	11061	SLV 5	0.39	868	1.085	226729	388444	962923	SLV 5	0.57	2474	1.666	Si
67	-69	-10180	-11061	SLV 11	0.39	858	1.079	223924	486531	962923	SLV 5	0.54	2102	1.559	Si
79	-155	-10180	-11061	SLV 11	0.39	842	1.071	220082	584688	962923	SLV 5	0.46	1305	1.282	Si
91	-240	-10180	-11061	SLV 11	0.39	826	1.063	215200	682893	962923	SLV 5	0.4	888	1.095	Si
104	-325	-10180	-11061	SLV 11	0.38	810	1.054	209280	781134	1187718	SLV 5	0.45	1257	1.262	Si
116	-410	-10180	-11061	SLV 11	0.38	794	1.046	202322	879401	1285161	SLV 5	0.44	1202	1.239	Si
128	-496	-10180	-11061	SLV 11	0.38	779	1.038	194324	-977690	-963354	SLV 11	0.43	1083	1.188	Si
140	-581	-10180	-11061	SLV 11	0.37	764	1.029	190188	-1024054	-963377	SLV 11	0.41	951	1.126	Si
146	-624	-10180	-11061	SLV 11	0.37	756	1.025	190188	-1024054	-963377	SLV 11	0.41	951	1.126	Si
158	-709	-10180	-11061	SLV 11	0.37	741	1.017	190188	-1024054	-963377	SLV 11	0.41	951	1.126	Si
163	-739	-10180	-11061	SLV 11	0.37	736	1.014	190188	-1024054	-963377	SLV 11	0.41	951	1.126	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	295	3574	11061	SLD 5	0.4	929	2.806	223031	84241	962923	SLD 7	0.6	2474	4.193	Si
24	229	3574	11061	SLD 5	0.41	942	2.822	223031	84241	962923	SLD 7	0.6	2474	4.193	Si
37	144	3574	11061	SLD 5	0.41	960	2.844	228987	106886	962923	SLD 5	0.6	2474	4.193	Si
49	59	3574	11061	SLD 5	0.41	980	2.868	227741	150196	962923	SLD 5	0.6	2474	4.193	Si
55	16	3574	11061	SLD 5	0.41	991	2.881	226729	171877	962923	SLD 5	0.56	2369	4.119	Si
67	-69	-3574	-11061	SLD 11	0.41	978	2.866	223924	215272	962923	SLD 5	0.46	1313	3.234	Si
79	-155	-3574	-11061	SLD 11	0.41	958	2.842	220082	258697	962923	SLD 5	0.39	826	2.674	Si
91	-240	-3574	-11061	SLD 11	0.41	940	2.82	215200	302143	962923	SLD 5	0.33	576	2.307	Si
104	-325	-3574	-11061	SLD 11	0.4	923	2.799	209280	345605	1187718	SLD 5	0.38	799	2.638	Si
116	-410	-3574	-11061	SLD 11	0.4	905	2.776	202322	389078	1285161	SLD 5	0.37	765	2.591	Si
128	-496	-3574	-11061	SLD 11	0.4	888	2.755	194324	-432561	-963354	SLD 11	0.36	697	2.494	Si
140	-581	-3574	-11061	SLD 11	0.39	869	2.73	190188	-453072	-963377	SLD 11	0.34	617	2.373	Si
146	-624	-3574	-11061	SLD 11	0.39	861	2.72	190188	-453072	-963377	SLD 11	0.34	617	2.373	Si
158	-709	-3574	-11061	SLD 11	0.39	844	2.698	190188	-453072	-963377	SLD 11	0.34	617	2.373	Si
163	-739	-3574	-11061	SLD 11	0.39	838	2.69	190188	-453072	-963377	SLD 11	0.34	617	2.373	Si

Campata 5 tra i fili 16 - 5, sezione R 40x70, asta 1158

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	425077	SLU 29	423547	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	420498	SLU 29	420498	1414576	0.086						Si
45	7.6	5.4	10.48	5.4	408907	SLU 29	420498	1305076	0.084						Si
68	7.6	5.4	7.6	5.4	392680	SLU 29	412341	962923	0.078						Si
91	7.6	5.4	7.6	5.4	371024	SLU 29	397647	962923	0.078						Si
102	7.6	5.4	7.6	5.4	358161	SLU 29	388265	962923	0.078						Si
125	7.6	5.4	7.6	5.4	330441	SLU 30	365429	962923	0.078						Si
147	7.6	5.4	7.6	5.4	297404	SLU 30	338624	962923	0.078						Si
170	7.6	5.4	7.6	5.4	261844	SLU 36	307120	962923	0.078						Si
193	7.6	5.4	7.6	5.4	225407	SLU 36	270988	962923	0.078						Si
215	7.6	5.4	7.6	5.4	183541	SLU 36	236084	962923	0.078						Si
238	7.6	5.4	7.6	5.4	146649	SLU 35	195751	962923	0.078						Si
261	7.6	5.4	7.6	5.4	104728	SLU 35	157342	962923	0.078	16192	SLU 2	-56437	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	81732	SLU 35	137827	962923	0.078	-10281	SLU 2	-91435	-962923	0.078	Si
295	7.6	5.4	7.6	5.4	36637	SLU 17	94725	962923	0.078	-71327	SLU 20	-153496	-962923	0.078	Si
320	7.6	5.4	7.6	5.4	-11404	SLU 8	43244	962923	0.078	-153496	SLU 29	-153496	-962923	0.078	Si
340	7.6	5.4	7.6	5.4						-225450	SLU 29	-185961	-962923	0.078	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	372637	SLV 7	372637	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	363835	SLV 3	378763	1414576	0.086						Si
45	7.6	5.4	10.48	5.4	373239	SLV 5	419197	1305076	0.084						Si
68	7.6	5.4	7.6	5.4	408465	SLV 5	456805	962923	0.078						Si
91	7.6	5.4	7.6	5.4	446364	SLV 5	492399	962923	0.078	46487	SLV 11	-38223	-962923	0.078	Si
102	7.6	5.4	7.6	5.4	464844	SLV 5	509096	962923	0.078	14663	SLV 11	-73620	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	499857	SLV 5	540007	962923	0.078	-53303	SLV 11	-148193	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	531726	SLV 5	567440	962923	0.078	-126475	SLV 11	-227640	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	560158	SLV 5	591308	962923	0.078	-204561	SLV 11	-311872	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	585040	SLV 5	611567	962923	0.078	-287448	SLV 11	-400847	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	606323	SLV 5	628178	962923	0.078	-375088	SLV 11	-494524	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	623971	SLV 5	641080	962923	0.078	-467444	SLV 11	-592844	-962923	0.078	Si
261	7.6	5.4	7.6	5.4	637931	SLV 5	650199	962923	0.078	-564461	SLV 11	-695732	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	643505	SLV 5	651793	962923	0.078	-614696	SLV 11	-735701	-962923	0.078	Si
295	7.6	5.4	7.6	5.4	651793	SLV 5	656377	962923	0.078	-718570	SLV 11	-840055	-962923	0.078	Si
320	7.6	5.4	7.6	5.4	656377	SLV 9	656377	962923	0.078	-840055	SLV 7	-840055	-962923	0.078	Si
340	7.6	5.4	7.6	5.4	656674	SLV 9	656674	962923	0.078	-939675	SLV 7	-885974	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	310792	SLD 3	310792	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	308209	SLD 3	313395	1414576	0.086						Si
45	7.6	5.4	10.48	5.4	311374	SLD 5	327094	1305076	0.084						Si
68	7.6	5.4	7.6	5.4	323769	SLD 5	337423	962923	0.078						Si
91	7.6	5.4	7.6	5.4	334900	SLD 5	344492	962923	0.078						Si
102	7.6	5.4	7.6	5.4	339365	SLD 5	346660	962923	0.078						Si
125	7.6	5.4	7.6	5.4	345665	SLD 5	348231	962923	0.078						Si
147	7.6	5.4	7.6	5.4	348231	SLD 5	348231	962923	0.078	57021	SLD 11	-5946	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	346938	SLD 5	348231	962923	0.078	8659	SLD 11	-60006	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	341741	SLD 5	347578	962923	0.078	-44149	SLD 11	-118489	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	332620	SLD 5	343486	962923	0.078	-101385	SLD 11	-181379	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	319561	SLD 5	335474	962923	0.078	-163033	SLD 11	-248650	-962923	0.078	Si
261	7.6	5.4	7.6	5.4	302539	SLD 5	323529	962923	0.078	-229070	SLD 11	-320268	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
272	7.6	5.4	7.6	5.4	292533	SLD 5	316075	962923	0.078	-263724	SLD 11	-351874	-962923	0.078	Si
295	7.6	5.4	7.6	5.4	269508	SLD 5	298186	962923	0.078	-336285	SLD 11	-422574	-962923	0.078	Si
320	7.6	5.4	7.6	5.4	238896	SLD 9	273470	962923	0.078	-422574	SLD 7	-422574	-962923	0.078	Si
340	7.6	5.4	7.6	5.4	211298	SLD 9	211298	962923	0.078	-494299	SLD 7	-455323	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	868	SLU 26	868	8821	68363	0	8821	1	Si
0	0	7.6	0	-298	SLU 11	-298	-8821	-68363	0	-8821	1	Si
20	0.06	7.6	0	672	SLU 26	672	8821	68363	7003	8821	1	Si
20	0.06	7.6	0	-449	SLU 11	-449	-8821	-68363	-7003	-8821	1	Si
45	0.06	7.6	0	423	SLU 26	423	8821	68363	7003	8821	1	Si
45	0.06	7.6	0	-640	SLU 11	-640	-8821	-68363	-7003	-8821	1	Si
68	0.06	7.6	0	201	SLU 26	201	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	-811	SLU 11	-811	-8821	-68363	-7003	-8821	1	Si
91	0.06	7.6	0	-998	SLU 29	-998	-8821	-68363	-7003	-8821	1	Si
102	0.06	7.6	0	-1109	SLU 29	-1109	-8821	-68363	-7003	-8821	1	Si
125	0.06	7.6	0	-1331	SLU 29	-1331	-8821	-68363	-7003	-8821	1	Si
147	0.06	7.6	0	-1553	SLU 29	-1553	-8821	-68363	-7003	-8821	1	Si
170	0.06	7.6	0	-1776	SLU 29	-1776	-8821	-68363	-7003	-8821	1	Si
193	0.06	7.6	0	-1998	SLU 29	-1998	-8821	-68363	-7003	-8821	1	Si
215	0.06	7.6	0	-2220	SLU 29	-2220	-8821	-68363	-7003	-8821	1	Si
238	0.06	7.6	0	-2442	SLU 29	-2442	-8821	-68363	-7003	-8821	1	Si
261	0.06	7.6	0	-2665	SLU 29	-2665	-8821	-68363	-7003	-8821	1	Si
272	0.06	7.6	0	-2776	SLU 29	-2776	-8821	-68363	-7003	-8821	1	Si
295	0.06	7.6	0	-2998	SLU 29	-2998	-8821	-68363	-7003	-8821	1	Si
320	0.06	7.6	0	-3246	SLU 29	-3246	-8821	-68363	-7003	-8821	1	Si
340	0	7.6	0	-3443	SLU 29	-3443	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2539	SLV 9	3152	8821	68363	0	8821	1	Si
0	0	7.6	0	-2178	SLV 7	-2791	-8821	-68363	0	-8821	1	Si
20	0.06	7.6	0	2388	SLV 9	3001	8821	68363	7003	8821	1	Si
20	0.06	7.6	0	-2329	SLV 7	-2942	-8821	-68363	-7003	-8821	1	Si
45	0.06	7.6	0	2197	SLV 9	2810	8821	68363	7003	8821	1	Si
45	0.06	7.6	0	-2520	SLV 7	-3133	-8821	-68363	-7003	-8821	1	Si
68	0.06	7.6	0	2026	SLV 9	2639	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	-2691	SLV 7	-3304	-8821	-68363	-7003	-8821	1	Si
91	0.06	7.6	0	1855	SLV 9	2468	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	-2862	SLV 7	-3475	-8821	-68363	-7003	-8821	1	Si
102	0.06	7.6	0	1769	SLV 9	2383	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	-2948	SLV 7	-3561	-8821	-68363	-7003	-8821	1	Si
125	0.06	7.6	0	1598	SLV 9	2212	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	-3119	SLV 7	-3732	-8821	-68363	-7003	-8821	1	Si
147	0.06	7.6	0	1427	SLV 9	2041	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	-3290	SLV 7	-3903	-8821	-68363	-7003	-8821	1	Si
170	0.06	7.6	0	1256	SLV 9	1870	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	-3460	SLV 7	-4074	-8821	-68363	-7003	-8821	1	Si
193	0.06	7.6	0	1086	SLV 9	1699	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	-3631	SLV 7	-4245	-8821	-68363	-7003	-8821	1	Si
215	0.06	7.6	0	915	SLV 9	1528	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	-3802	SLV 7	-4416	-8821	-68363	-7003	-8821	1	Si
238	0.06	7.6	0	744	SLV 9	1357	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	-3973	SLV 7	-4587	-8821	-68363	-7003	-8821	1	Si
261	0.06	7.6	0	573	SLV 9	1186	8821	68363	7003	8821	1	Si
261	0.06	7.6	0	-4144	SLV 7	-4758	-8821	-68363	-7003	-8821	1	Si
272	0.06	7.6	0	487	SLV 9	1100	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	-4230	SLV 7	-4843	-8821	-68363	-7003	-8821	1	Si
295	0.06	7.6	0	316	SLV 9	929	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	-4401	SLV 7	-5014	-8821	-68363	-7003	-8821	1	Si
320	0.06	7.6	0	125	SLV 9	738	8821	68363	7003	8821	1	Si
320	0.06	7.6	0	-4592	SLV 7	-5205	-8821	-68363	-7003	-8821	1	Si
340	0	7.6	0	-26	SLV 9	587	8821	68363	0	8821	1	Si
340	0	7.6	0	-4743	SLV 7	-5356	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1222	SLD 9	1222	8821	68363	0	8821	1	Si
0	0	7.6	0	-861	SLD 7	-861	-8821	-68363	0	-8821	1	Si
20	0.06	7.6	0	1071	SLD 9	1071	8821	68363	7003	8821	1	Si
20	0.06	7.6	0	-1012	SLD 7	-1012	-8821	-68363	-7003	-8821	1	Si
45	0.06	7.6	0	880	SLD 9	880	8821	68363	7003	8821	1	Si
45	0.06	7.6	0	-1203	SLD 7	-1203	-8821	-68363	-7003	-8821	1	Si
68	0.06	7.6	0	709	SLD 9	709	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	-1374	SLD 7	-1374	-8821	-68363	-7003	-8821	1	Si
91	0.06	7.6	0	538	SLD 9	538	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	-1545	SLD 7	-1545	-8821	-68363	-7003	-8821	1	Si
102	0.06	7.6	0	452	SLD 9	452	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	-1631	SLD 7	-1631	-8821	-68363	-7003	-8821	1	Si
125	0.06	7.6	0	281	SLD 9	281	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	-1802	SLD 7	-1802	-8821	-68363	-7003	-8821	1	Si
147	0.06	7.6	0	110	SLD 9	110	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	-1972	SLD 7	-1972	-8821	-68363	-7003	-8821	1	Si
170	0.06	7.6	0	-2143	SLD 7	-2143	-8821	-68363	-7003	-8821	1	Si
193	0.06	7.6	0	-2314	SLD 7	-2314	-8821	-68363	-7003	-8821	1	Si
215	0.06	7.6	0	-2485	SLD 7	-2485	-8821	-68363	-7003	-8821	1	Si
238	0.06	7.6	0	-2656	SLD 7	-2656	-8821	-68363	-7003	-8821	1	Si
261	0.06	7.6	0	-2827	SLD 7	-2827	-8821	-68363	-7003	-8821	1	Si
272	0.06	7.6	0	-2913	SLD 7	-2913	-8821	-68363	-7003	-8821	1	Si
295	0.06	7.6	0	-3084	SLD 7	-3084	-8821	-68363	-7003	-8821	1	Si
320	0.06	7.6	0	-3275	SLD 7	-3275	-8821	-68363	-7003	-8821	1	Si
340	0	7.6	0	-3426	SLD 7	-3426	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	301465	2	301390	11.6	124.5	450.3	1837	262223	2	262223	10.1	93.4	0	+∞	Si
20	299999	2	299999	11.6	124.5	448.2	1837	264387	2	264537	10.2	93.4	0	+∞	Si
45	293688	2	299999	11.9	124.5	486.1	1837	262675	2	264537	10.5	93.4	0	+∞	Si
68	283536	2	295672	7.7	124.5	115.6	1837	256638	2	263496	11.8	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
91	269209	2	286699	7.5	124.5	112.1	1837	246425	2	258638	11.6	93.4	0	+∞	Si
102	260479	2	280647	7.3	124.5	109.7	1837	239753	2	254644	11.4	93.4	0	+∞	Si
125	241274	3	265412	6.9	124.5	103.7	1837	223277	2	243523	10.9	93.4	0	+∞	Si
147	217967	3	246973	6.4	124.5	96.5	1837	202626	2	228227	10.2	93.4	0	+∞	Si
170	192421	9	224846	5.9	124.5	87.9	1837	177799	2	208755	9.4	93.4	0	+∞	Si
193	165734	9	199076	5.2	124.5	77.8	1837	148796	2	185107	8.3	93.4	0	+∞	Si
215	134871	9	173568	4.5	124.5	67.8	1837	115618	2	157284	7.1	93.4	0	+∞	Si
238	106767	8	143885	3.7	124.5	56.2	1837	84208	1	125285	5.6	93.4	0	+∞	Si
261	74754	8	114926	3	124.5	44.9	1837	48851	1	93312	4.2	93.4	0	+∞	Si
272	57182	8	100031	2.6	124.5	39.1	1837	29607	1	76745	3.4	93.4	0	+∞	Si
295	18905	8	67110	1.7	124.5	26.2	1837								Si
295	-47638	2	-110688	2.9	124.5	43.3	1837	-33389	2	-91839	4.1	93.4	0	+∞	Si
320	-110688	2	-110688	2.9	124.5	43.3	1837	-91839	2	-91839	4.1	93.4	0	+∞	Si
340	-163980	2	-134707	3.5	124.5	52.7	1837	-141501	2	-114173	5.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
45	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.009	2	0.008	2	9999	Si
68	0.007	0.006	0.005	0.004	0.007	0.006	0.005	0.004	0.006	0.006	0.013	2	0.011	2	9999	Si
91	0.008	0.007	0.006	0.005	0.008	0.007	0.006	0.005	0.008	0.007	0.015	2	0.014	2	9999	Si
102	0.009	0.007	0.007	0.006	0.008	0.007	0.006	0.006	0.008	0.007	0.016	2	0.014	2	9999	Si
125	0.009	0.008	0.007	0.006	0.009	0.008	0.007	0.006	0.009	0.008	0.017	2	0.015	2	9999	Si
136	0.009	0.008	0.007	0.006	0.009	0.008	0.007	0.006	0.009	0.008	0.017	2	0.016	2	9999	Si
147	0.009	0.008	0.007	0.006	0.009	0.008	0.007	0.006	0.009	0.008	0.017	2	0.016	2	9999	Si
170	0.009	0.008	0.007	0.006	0.008	0.008	0.006	0.006	0.008	0.008	0.017	2	0.015	2	9999	Si
193	0.008	0.007	0.006	0.005	0.008	0.007	0.006	0.005	0.008	0.007	0.015	2	0.014	2	9999	Si
215	0.008	0.006	0.006	0.005	0.007	0.006	0.005	0.005	0.007	0.006	0.013	2	0.013	2	9999	Si
238	0.006	0.005	0.005	0.004	0.006	0.005	0.004	0.004	0.006	0.005	0.011	2	0.011	2	9999	Si
261	0.005	0.004	0.004	0.003	0.005	0.004	0.003	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
272	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
295	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
320	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	29	2972	8821	SLV 9	0.57	2474	1.666	264387	99448	1414576	SLV 3	0.57	2474	1.666	Si
45	-162	-2972	-8821	SLV 7	0.57	2474	1.666	254048	165149	1305076	SLV 5	0.57	2474	1.666	Si
68	-333	-2972	-8821	SLV 7	0.57	2474	1.666	242656	214149	962923	SLV 5	0.57	2474	1.666	Si
91	-504	-2972	-8821	SLV 7	0.57	2474	1.666	227088	265311	962923	SLV 5	0.57	2474	1.666	Si
102	-589	-2972	-8821	SLV 7	0.57	2474	1.666	217738	291358	962923	SLV 5	0.57	2474	1.666	Si
125	-760	-2972	-8821	SLV 7	0.57	2474	1.666	195907	344100	962923	SLV 5	0.57	2474	1.666	Si
147	-931	-2972	-8821	SLV 7	0.57	2474	1.666	169900	397540	962923	SLV 5	0.57	2474	1.666	Si
170	-1102	-2972	-8821	SLV 7	0.57	2474	1.666	139718	451590	962923	SLV 5	0.57	2474	1.666	Si
193	-1273	-2972	-8821	SLV 7	0.57	2474	1.666	105360	506207	962923	SLV 5	0.57	2474	1.666	Si
215	-1444	-2972	-8821	SLV 7	0.57	2474	1.666	66827	561351	962923	SLV 5	0.57	2401	1.646	Si
238	-1615	-2972	-8821	SLV 7	0.57	2474	1.666	24118	616962	962923	SLV 5	0.54	2113	1.562	Si
261	-1786	-2972	-8821	SLV 7	0.57	2474	1.666	-22767	-672965	-962923	SLV 11	0.5	1681	1.422	Si
272	-1871	-2972	-8821	SLV 7	0.57	2474	1.666	-47775	-687926	-962923	SLV 7	0.48	1475	1.348	Si
295	-2042	-2972	-8821	SLV 7	0.57	2474	1.666	-91839	-748216	-962923	SLV 7	0.42	1036	1.166	Si
320	-2233	-2972	-8821	SLV 7	0.57	2474	1.666	-91839	-748216	-962923	SLV 7	0.42	1036	1.166	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	29	1041	8821	SLD 9	0.6	2474	4.193	264387	43822	1414576	SLD 3	0.6	2474	4.193	Si
45	-162	-1041	-8821	SLD 7	0.6	2474	4.193	254048	73046	1305076	SLD 5	0.6	2474	4.193	Si
68	-333	-1041	-8821	SLD 7	0.6	2474	4.193	242656	94767	962923	SLD 5	0.6	2474	4.193	Si
91	-504	-1041	-8821	SLD 7	0.6	2474	4.193	227088	117404	962923	SLD 5	0.6	2474	4.193	Si
102	-589	-1041	-8821	SLD 7	0.6	2474	4.193	217738	128922	962923	SLD 5	0.6	2474	4.193	Si
125	-760	-1041	-8821	SLD 7	0.6	2474	4.193	202626	145605	962923	SLD 5	0.6	2474	4.193	Si
147	-931	-1041	-8821	SLD 7	0.6	2474	4.193	202626	145605	962923	SLD 5	0.6	2474	4.193	Si
170	-1102	-1041	-8821	SLD 7	0.6	2474	4.193	139718	199724	962923	SLD 5	0.54	2138	3.949	Si
193	-1273	-1041	-8821	SLD 7	0.6	2474	4.193	105360	223850	962923	SLD 5	0.51	1757	3.644	Si
215	-1444	-1041	-8821	SLD 7	0.6	2474	4.193	66827	248206	962923	SLD 5	0.48	1500	3.415	Si
238	-1615	-1041	-8821	SLD 7	0.6	2474	4.193	24118	272768	962923	SLD 5	0.46	1321	3.242	Si
261	-1786	-1041	-8821	SLD 7	0.6	2474	4.193	-22767	-297502	-962923	SLD 11	0.42	1053	2.954	Si
272	-1871	-1041	-8821	SLD 7	0.6	2474	4.193	-47775	-304100	-962923	SLD 7	0.4	926	2.802	Si
295	-2042	-1041	-8821	SLD 7	0.6	2474	4.193	-91839	-330735	-962923	SLD 7	0.36	669	2.453	Si
320	-2233	-1041	-8821	SLD 7	0.6	2474	4.193	-91839	-330735	-962923	SLD 7	0.36	669	2.453	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 40-6

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 40 - ?, sezione R 40x70, asta 1151

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	7.6	5.4						-237891	SLU 29	-185826	-1414576	0.086	Si
28	11.4	5.4	7.6	5.4	-22159	SLU 8	57326	963377	0.08	-136852	SLU 29	-136852	-1414576	0.086	Si
35	11.4	5.4	7.6	5.4	-1252	SLU 8	81873	963377	0.08	-109035	SLU 29	-136852	-1414576	0.086	Si
71	10.42	5.4	7.6	5.4	101856	SLU 35	188755	963287	0.079	-6442	SLU 2	-87822	-1298180	0.084	Si
106	7.6	5.4	7.6	5.4	206741	SLU 35	284304	962923	0.078						Si
124	7.6	5.4	7.6	5.4	254933	SLU 35	327829	962923	0.078						Si
159	7.6	5.4	7.6	5.4	342819	SLU 35	406379	962923	0.078						Si
194	7.6	5.4	7.6	5.4	419372	SLU 35	473597	962923	0.078						Si
229	7.6	5.4	7.6	5.4	484592	SLU 35	529482	962923	0.078						Si
265	7.6	5.4	7.6	5.4	538480	SLU 35	574034	962923	0.078						Si
300	7.6	5.4	7.6	5.4	581034	SLU 35	607253	962923	0.078						Si
335	7.6	5.4	7.6	5.4	612256	SLU 35	629140	962923	0.078						Si
371	7.6	5.4	7.6	5.4	632146	SLU 35	639694	962923	0.078						Si
388	7.6	5.4	7.6	5.4	637841	SLU 35	640721	962923	0.078						Si
406	7.6	5.4	7.6	5.4	640702	SLU 35	641378	962923	0.078						Si
423	7.6	5.4	7.6	5.4	641378	SLU 36	641378	962923	0.078						Si
459	7.6	5.4	7.6	5.4	636746	SLU 36	641061	962923	0.078						Si
494	7.6	5.4	7.6	5.4	620783	SLU 36	634432	962923	0.078						Si
514	7.6	5.4	7.6	5.4	606293	SLU 36	625460	962923	0.078						Si
529	7.6	5.4	7.6	5.4	593486	SLU 36	593486	962923	0.078						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	7.6	5.4	893529	SLV 7	893529	963377	0.08	-1208704	SLV 9	-1132615	-1414576	0.086	Si
18	11.4	5.4	7.6	5.4	894961	SLV 7	894951	963377	0.08	-1111793	SLV 9	-1102260	-1414576	0.086	Si
28	11.4	5.4	7.6	5.4	894544	SLV 7	894544	963377	0.08	-1058882	SLV 9	-1058882	-1414576	0.086	Si
35	11.4	5.4	7.6	5.4	894214	SLV 7	894544	963377	0.08	-1017062	SLV 9	-1058882	-1414576	0.086	Si
71	10.42	5.4	7.6	5.4	886189	SLV 7	893184	963287	0.079	-834143	SLV 9	-984439	-1298180	0.084	Si
106	7.6	5.4	7.6	5.4	869455	SLV 7	883623	962923	0.078	-659952	SLV 9	-803059	-962923	0.078	Si
124	7.6	5.4	7.6	5.4	857825	SLV 7	875578	962923	0.078	-576130	SLV 9	-715641	-962923	0.078	Si
159	7.6	5.4	7.6	5.4	828038	SLV 7	852958	962923	0.078	-415038	SLV 9	-547353	-962923	0.078	Si
194	7.6	5.4	7.6	5.4	789562	SLV 7	821640	962923	0.078	-262691	SLV 9	-387802	-962923	0.078	Si
229	7.6	5.4	7.6	5.4	742418	SLV 7	781635	962923	0.078	-119111	SLV 9	-236999	-962923	0.078	Si
265	7.6	5.4	7.6	5.4	686659	SLV 7	732969	962923	0.078	15649	SLV 9	-94970	-962923	0.078	Si
300	7.6	5.4	7.6	5.4	622448	SLV 7	675707	962923	0.078						Si
335	7.6	5.4	7.6	5.4	550531	SLV 7	610073	962923	0.078						Si
371	7.6	5.4	7.6	5.4	473964	SLV 11	534820	962923	0.078						Si
388	7.6	5.4	7.6	5.4	443090	SLV 15	502299	962923	0.078						Si
423	7.6	5.4	7.6	5.4	518235	SLV 9	589565	962923	0.078						Si
459	7.6	5.4	7.6	5.4	604417	SLV 9	669056	962923	0.078						Si
494	7.6	5.4	7.6	5.4	682432	SLV 9	723279	962923	0.078						Si
514	7.6	5.4	7.6	5.4	723279	SLV 9	723279	962923	0.078						Si
529	7.6	5.4	7.6	5.4	751882	SLV 9	737937	962923	0.078	-12805	SLV 7	-12805	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	7.6	5.4	307319	SLD 7	307319	963377	0.08	-622495	SLD 9	-567145	-1414576	0.086	Si
28	11.4	5.4	7.6	5.4	349826	SLD 7	389380	963377	0.08	-514164	SLD 9	-514164	-1414576	0.086	Si
35	11.4	5.4	7.6	5.4	361249	SLD 7	398879	963377	0.08	-484097	SLD 9	-514164	-1414576	0.086	Si
71	10.42	5.4	7.6	5.4	406464	SLD 7	436917	963287	0.079	-354419	SLD 9	-460858	-1298180	0.084	Si
106	7.6	5.4	7.6	5.4	442966	SLD 7	466242	962923	0.078	-233462	SLD 9	-332717	-962923	0.078	Si
124	7.6	5.4	7.6	5.4	457950	SLD 7	477639	962923	0.078	-176255	SLD 9	-271917	-962923	0.078	Si
159	7.6	5.4	7.6	5.4	481386	SLD 7	493904	962923	0.078	-68385	SLD 9	-156860	-962923	0.078	Si
194	7.6	5.4	7.6	5.4	496116	SLD 7	501470	962923	0.078	30755	SLD 9	-50528	-962923	0.078	Si
229	7.6	5.4	7.6	5.4	502151	SLD 7	502151	962923	0.078						Si
265	7.6	5.4	7.6	5.4	499513	SLD 7	502067	962923	0.078						Si
300	7.6	5.4	7.6	5.4	488273	SLD 7	497908	962923	0.078						Si
335	7.6	5.4	7.6	5.4	468761	SLD 7	485182	962923	0.078						Si
371	7.6	5.4	7.6	5.4	442316	SLD 11	463337	962923	0.078						Si
388	7.6	5.4	7.6	5.4	430595	SLD 15	457175	962923	0.078						Si
423	7.6	5.4	7.6	5.4	464045	SLD 9	491942	962923	0.078						Si
459	7.6	5.4	7.6	5.4	497469	SLD 9	518395	962923	0.078						Si
494	7.6	5.4	7.6	5.4	522411	SLD 9	532699	962923	0.078						Si
514	7.6	5.4	7.6	5.4	532699	SLD 9	532699	962923	0.078						Si
529	7.6	5.4	7.6	5.4	538701	SLD 9	536038	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.42	0	3883	SLU 36	3883	9799	68363	0	9799	1	Si
28	0.062	9.59	0	3633	SLU 36	3633	9531	68363	7192	9531	1	Si
35	0.062	7.6	0	3562	SLU 36	3562	8821	68363	7192	8821	1	Si
71	0.062	7.6	0	3241	SLU 36	3241	8821	68363	7192	8821	1	Si
106	0.062	7.6	0	2920	SLU 36	2920	8821	68363	7192	8821	1	Si
124	0.062	7.6	0	2759	SLU 36	2759	8821	68363	7192	8821	1	Si
159	0.062	7.6	0	2438	SLU 36	2438	8821	68363	7192	8821	1	Si
194	0.062	7.6	0	2117	SLU 36	2117	8821	68363	7192	8821	1	Si
229	0.062	7.6	0	1796	SLU 36	1796	8821	68363	7192	8821	1	Si
265	0.062	7.6	0	1474	SLU 36	1474	8821	68363	7192	8821	1	Si
300	0.062	7.6	0	1153	SLU 36	1153	8821	68363	7192	8821	1	Si
335	0.062	7.6	0	832	SLU 36	832	8821	68363	7192	8821	1	Si
371	0.062	7.6	0	511	SLU 36	511	8821	68363	7192	8821	1	Si
388	0.062	7.6	0	382	SLU 18	382	8821	68363	7192	8821	1	Si
423	0.062	7.6	0	135	SLU 18	135	8821	68363	7192	8821	1	Si
423	0.062	7.6	0	-318	SLU 19	-318	-8821	-68363	-7192	-8821	1	Si
459	0.062	7.6	0	-639	SLU 19	-639	-8821	-68363	-7192	-8821	1	Si
494	0.062	7.6	0	-960	SLU 19	-960	-8821	-68363	-7192	-8821	1	Si
514	0.062	7.6	0	-1145	SLU 19	-1145	-8821	-68363	-7192	-8821	1	Si
529	0	7.6	0	-1281	SLU 19	-1281	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.42	0	5555	SLV 9	6259	9799	68363	0	9799	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	142	SLV 7	-562	-8821	-68363	0	-8821	1	Si
28	0.062	9.59	0	5362	SLV 9	6066	9531	68363	7192	9531	1	Si
28	0.062	7.6	0	-50	SLV 7	-754	-8821	-68363	-7192	-8821	1	Si
35	0.062	7.6	0	5308	SLV 9	6012	8821	68363	7192	8821	1	Si
35	0.062	7.6	0	-105	SLV 7	-809	-8821	-68363	-7192	-8821	1	Si
71	0.062	7.6	0	5061	SLV 9	5764	8821	68363	7192	8821	1	Si
71	0.062	7.6	0	-352	SLV 7	-1056	-8821	-68363	-7192	-8821	1	Si
106	0.062	7.6	0	4814	SLV 9	5517	8821	68363	7192	8821	1	Si
106	0.062	7.6	0	-599	SLV 7	-1303	-8821	-68363	-7192	-8821	1	Si
124	0.062	7.6	0	4690	SLV 9	5394	8821	68363	7192	8821	1	Si
124	0.062	7.6	0	-722	SLV 7	-1426	-8821	-68363	-7192	-8821	1	Si
159	0.062	7.6	0	4443	SLV 9	5147	8821	68363	7192	8821	1	Si
159	0.062	7.6	0	-969	SLV 7	-1673	-8821	-68363	-7192	-8821	1	Si
194	0.062	7.6	0	4196	SLV 9	4900	8821	68363	7192	8821	1	Si
194	0.062	7.6	0	-1216	SLV 7	-1920	-8821	-68363	-7192	-8821	1	Si
229	0.062	7.6	0	3949	SLV 9	4653	8821	68363	7192	8821	1	Si
229	0.062	7.6	0	-1464	SLV 7	-2167	-8821	-68363	-7192	-8821	1	Si
265	0.062	7.6	0	3702	SLV 9	4406	8821	68363	7192	8821	1	Si
265	0.062	7.6	0	-1711	SLV 7	-2414	-8821	-68363	-7192	-8821	1	Si
300	0.062	7.6	0	3455	SLV 9	4159	8821	68363	7192	8821	1	Si
300	0.062	7.6	0	-1958	SLV 7	-2661	-8821	-68363	-7192	-8821	1	Si
335	0.062	7.6	0	3208	SLV 9	3912	8821	68363	7192	8821	1	Si
335	0.062	7.6	0	-2205	SLV 7	-2908	-8821	-68363	-7192	-8821	1	Si
371	0.062	7.6	0	2961	SLV 9	3665	8821	68363	7192	8821	1	Si
371	0.062	7.6	0	-2452	SLV 7	-3155	-8821	-68363	-7192	-8821	1	Si
388	0.062	7.6	0	2838	SLV 9	3541	8821	68363	7192	8821	1	Si
388	0.062	7.6	0	-2575	SLV 7	-3279	-8821	-68363	-7192	-8821	1	Si
423	0.062	7.6	0	2591	SLV 9	3294	8821	68363	7192	8821	1	Si
423	0.062	7.6	0	-2822	SLV 7	-3526	-8821	-68363	-7192	-8821	1	Si
459	0.062	7.6	0	2344	SLV 9	3047	8821	68363	7192	8821	1	Si
459	0.062	7.6	0	-3069	SLV 7	-3773	-8821	-68363	-7192	-8821	1	Si
494	0.062	7.6	0	2097	SLV 9	2800	8821	68363	7192	8821	1	Si
494	0.062	7.6	0	-3316	SLV 7	-4020	-8821	-68363	-7192	-8821	1	Si
514	0.062	7.6	0	1954	SLV 9	2658	8821	68363	7192	8821	1	Si
514	0.062	7.6	0	-3458	SLV 7	-4162	-8821	-68363	-7192	-8821	1	Si
529	0	7.6	0	1849	SLV 9	2553	8821	68363	0	8821	1	Si
529	0	7.6	0	-3563	SLV 7	-4267	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.42	0	4046	SLD 9	4046	9799	68363	0	9799	1	Si
28	0.062	9.59	0	3853	SLD 9	3853	9531	68363	7192	9531	1	Si
35	0.062	7.6	0	3799	SLD 9	3799	8821	68363	7192	8821	1	Si
71	0.062	7.6	0	3552	SLD 9	3552	8821	68363	7192	8821	1	Si
106	0.062	7.6	0	3305	SLD 9	3305	8821	68363	7192	8821	1	Si
124	0.062	7.6	0	3181	SLD 9	3181	8821	68363	7192	8821	1	Si
159	0.062	7.6	0	2934	SLD 9	2934	8821	68363	7192	8821	1	Si
194	0.062	7.6	0	2687	SLD 9	2687	8821	68363	7192	8821	1	Si
229	0.062	7.6	0	2440	SLD 9	2440	8821	68363	7192	8821	1	Si
265	0.062	7.6	0	2193	SLD 9	2193	8821	68363	7192	8821	1	Si
265	0.062	7.6	0	-201	SLD 7	-201	-8821	-68363	-7192	-8821	1	Si
300	0.062	7.6	0	1946	SLD 9	1946	8821	68363	7192	8821	1	Si
300	0.062	7.6	0	-448	SLD 7	-448	-8821	-68363	-7192	-8821	1	Si
335	0.062	7.6	0	1699	SLD 9	1699	8821	68363	7192	8821	1	Si
335	0.062	7.6	0	-695	SLD 7	-695	-8821	-68363	-7192	-8821	1	Si
371	0.062	7.6	0	1452	SLD 9	1452	8821	68363	7192	8821	1	Si
371	0.062	7.6	0	-942	SLD 7	-942	-8821	-68363	-7192	-8821	1	Si
388	0.062	7.6	0	1328	SLD 9	1328	8821	68363	7192	8821	1	Si
388	0.062	7.6	0	-1066	SLD 7	-1066	-8821	-68363	-7192	-8821	1	Si
423	0.062	7.6	0	1081	SLD 9	1081	8821	68363	7192	8821	1	Si
423	0.062	7.6	0	-1313	SLD 7	-1313	-8821	-68363	-7192	-8821	1	Si
459	0.062	7.6	0	834	SLD 9	834	8821	68363	7192	8821	1	Si
459	0.062	7.6	0	-1560	SLD 7	-1560	-8821	-68363	-7192	-8821	1	Si
494	0.062	7.6	0	587	SLD 9	587	8821	68363	7192	8821	1	Si
494	0.062	7.6	0	-1807	SLD 7	-1807	-8821	-68363	-7192	-8821	1	Si
514	0.062	7.6	0	445	SLD 9	445	8821	68363	7192	8821	1	Si
514	0.062	7.6	0	-1949	SLD 7	-1949	-8821	-68363	-7192	-8821	1	Si
529	0	7.6	0	340	SLD 9	340	8821	68363	0	8821	1	Si
529	0	7.6	0	-2054	SLD 7	-2054	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-174765	2	-135300	5.2	124.5	202.1	1837	-157588	2	-118689	4.6	93.4	0	+∞	Si
28	-98215	2	-98215	3.8	124.5	146.7	1837	-82169	2	-82169	3.2	93.4	0	+∞	Si
35	-77149	2	-98215	3.8	124.5	146.7	1837	-61424	2	-82169	3.2	93.4	0	+∞	Si
71	73994	8	139710	3.5	124.5	53.8	1837	47432	1	110876	4.8	93.4	0	+∞	Si
106	153304	8	211839	5.5	124.5	82.8	1837	123983	1	180246	8.1	93.4	0	+∞	Si
124	189690	8	244635	6.4	124.5	95.6	1837	158990	1	211662	9.5	93.4	0	+∞	Si
159	255924	8	303687	7.9	124.5	118.7	1837	222465	1	267956	12	93.4	0	+∞	Si
194	313440	8	354022	9.2	124.5	138.4	1837	277222	1	315532	14.2	93.4	0	+∞	Si
229	362239	8	395640	10.3	124.5	154.6	1837	323263	1	354391	15.9	93.4	0	+∞	Si
265	402320	8	428540	11.2	124.5	167.5	1837	360585	1	384533	17.2	93.4	0	+∞	Si
300	433684	8	452723	11.8	124.5	177	1837	389190	1	405957	18.2	93.4	0	+∞	Si
335	456330	8	468188	12.2	124.5	183	1837	409078	1	418664	18.8	93.4	0	+∞	Si
371	470259	8	474936	12.4	124.5	185.6	1837	420248	1	422653	19	93.4	0	+∞	Si
388	473954	8	475470	12.4	124.5	185.8	1837	422564	1	422701	19	93.4	0	+∞	Si
423	475238	9	475470	12.4	124.5	185.8	1837	421028	2	422701	19	93.4	0	+∞	Si
459	469914	9	474684	12.4	124.5	185.5	1837	412582	2	419923	18.8	93.4	0	+∞	Si
494	455872	9	467823	12.2	124.5	182.9	1837	395419	2	409941	18.4	93.4	0	+∞	Si
514	443714	9	459908	12	124.5	179.8	1837	381465	2	400232	18	93.4	0	+∞	Si
529	433114	9	433114	11.3	124.5	169.3	1837	369538	2	369538	16.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
28	0.005	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.011	1	0.01	1	9999	Si
35	0.007	0.005	0.006	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.014	1	0.013	1	9999	Si
71	0.014	0.011	0.012	0.01	0.012	0.011	0.011	0.01	0.012	0.011	0.028	1	0.026	1	9999	Si
106	0.02	0.016	0.018	0.015	0.018	0.017	0.016	0.015	0.018	0.017	0.042	1	0.04	1	9999	Si
124	0.023	0.019	0.021	0.017	0.021	0.019	0.019	0.017	0.02	0.02	0.048	1	0.046	1	9999	Si
159	0.029	0.024	0.026	0.021	0.026	0.024	0.023	0.022	0.025	0.024	0.06	1	0.057	1	8848	Si
194	0.034	0.028	0.03	0.025	0.03	0.028	0.027	0.026	0.03	0.029	0.07	1	0.067	1	7604	Si
229	0.037	0.031	0.033	0.028	0.033	0.032	0.03	0.028	0.033	0.032	0.077	1	0.074	1	6883	Si
265	0.039	0.033	0.035	0.03	0.035	0.033	0.032	0.03	0.035	0.034	0.081	1	0.079	1	6513	Si
300	0.039	0.034	0.036	0.03	0.036	0.034	0.032	0.031	0.035	0.034	0.082	1	0.08	1	6424	Si
335	0.038	0.033	0.035	0.03	0.035	0.033	0.031	0.03	0.034	0.033	0.08	1	0.078	1	6616	Si
371	0.035	0.03	0.032	0.027	0.032	0.031	0.029	0.028	0.031	0.031	0.074	1	0.072	1	7161	Si
388	0.033	0.029	0.03	0.026	0.03	0.029	0.027	0.026	0.03	0.029	0.069	1	0.068	1	7621	Si
423	0.028	0.024	0.025	0.022	0.025	0.024	0.023	0.022	0.024	0.024	0.058	1	0.057	1	9178	Si
459	0.02	0.017	0.018	0.016	0.018	0.018	0.016	0.016	0.018	0.018	0.042	1	0.041	1	9999	Si
494	0.011	0.009	0.01	0.009	0.01	0.01	0.009	0.009	0.01	0.01	0.023	1	0.023	1	9999	Si
514	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	1	0.01	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	2656	3410	9531	SLV 9	0.57	2474	1.666	-82169	976713	963377	SLV 7	0.39	840	1.07	Si
35	2601	3410	8821	SLV 9	0.57	2474	1.666	-82169	976713	963377	SLV 7	0.39	840	1.07	Si
71	2354	3410	8821	SLV 9	0.57	2474	1.666	-45628	938811	963287	SLV 7	0.39	848	1.074	Si
106	2107	3410	8821	SLV 9	0.57	2474	1.666	40282	843341	962923	SLV 7	0.4	886	1.094	Si
124	1984	3410	8821	SLV 9	0.57	2474	1.666	79968	795609	962923	SLV 7	0.4	917	1.109	Si
159	1737	3410	8821	SLV 9	0.57	2474	1.666	152802	700156	962923	SLV 7	0.42	1019	1.158	Si
194	1490	3410	8821	SLV 9	0.57	2474	1.666	216919	604721	962923	SLV 7	0.44	1208	1.242	Si
229	1243	3410	8821	SLV 9	0.57	2474	1.666	272318	509317	962923	SLV 7	0.49	1552	1.376	Si
265	996	3410	8821	SLV 9	0.57	2474	1.666	318999	413969	962923	SLV 7	0.55	2241	1.6	Si
300	749	3410	8821	SLV 9	0.57	2474	1.666	356963	318744	962923	SLV 7	0.57	2474	1.666	Si
335	502	3410	8821	SLV 9	0.57	2474	1.666	386210	223863	962923	SLV 7	0.57	2474	1.666	Si
371	255	3410	8821	SLV 9	0.57	2474	1.666	406739	128081	962923	SLV 7	0.57	2474	1.666	Si
388	131	3410	8821	SLV 9	0.57	2474	1.666	413735	85198	962923	SLV 11	0.57	2474	1.666	Si
423	-116	-3410	-8821	SLV 7	0.57	2474	1.666	414455	175110	962923	SLV 9	0.57	2474	1.666	Si
459	-363	-3410	-8821	SLV 7	0.57	2474	1.666	398828	270228	962923	SLV 9	0.57	2474	1.666	Si
494	-610	-3410	-8821	SLV 7	0.57	2474	1.666	381465	341813	962923	SLV 9	0.57	2474	1.666	Si
514	-752	-3410	-8821	SLV 7	0.57	2474	1.666	381465	341813	962923	SLV 9	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	2656	1197	9531	SLD 9	0.6	2474	4.193	-82169	431995	963377	SLD 7	0.33	545	2.255	Si
35	2601	1197	8821	SLD 9	0.6	2474	4.193	-82169	431995	963377	SLD 7	0.33	545	2.255	Si
71	2354	1197	8821	SLD 9	0.6	2474	4.193	-45628	415230	963287	SLD 7	0.33	551	2.265	Si
106	2107	1197	8821	SLD 9	0.6	2474	4.193	40282	372999	962923	SLD 7	0.33	575	2.305	Si
124	1984	1197	8821	SLD 9	0.6	2474	4.193	79968	351885	962923	SLD 7	0.34	595	2.338	Si
159	1737	1197	8821	SLD 9	0.6	2474	4.193	152802	309662	962923	SLD 7	0.35	659	2.438	Si
194	1490	1197	8821	SLD 9	0.6	2474	4.193	216919	267447	962923	SLD 7	0.38	770	2.598	Si
229	1243	1197	8821	SLD 9	0.6	2474	4.193	272318	225245	962923	SLD 7	0.41	970	2.856	Si
265	996	1197	8821	SLD 9	0.6	2474	4.193	318999	183068	962923	SLD 7	0.47	1399	3.319	Si
300	749	1197	8821	SLD 9	0.6	2474	4.193	356963	140944	962923	SLD 7	0.57	2393	4.136	Si
335	502	1197	8821	SLD 9	0.6	2474	4.193	386210	98972	962923	SLD 7	0.6	2474	4.193	Si
371	255	1197	8821	SLD 9	0.6	2474	4.193	406739	56598	962923	SLD 7	0.6	2474	4.193	Si
388	131	1197	8821	SLD 9	0.6	2474	4.193	413735	37619	962923	SLD 11	0.6	2474	4.193	Si
423	-116	-1197	-8821	SLD 7	0.6	2474	4.193	414455	77488	962923	SLD 9	0.6	2474	4.193	Si
459	-363	-1197	-8821	SLD 7	0.6	2474	4.193	398828	119567	962923	SLD 9	0.6	2474	4.193	Si
494	-610	-1197	-8821	SLD 7	0.6	2474	4.193	381465	151233	962923	SLD 9	0.51	1774	3.658	Si
514	-752	-1197	-8821	SLD 7	0.6	2474	4.193	381465	151233	962923	SLD 9	0.51	1774	3.658	Si

Campata 2 tra i fili ? - 17, sezione R 40x70, asta 1152

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	612315	SLU 36	562565	962923	0.078						Si
12	7.6	5.4	7.6	5.4	532930	SLU 36	530740	962923	0.078						Si
15	7.6	5.4	7.6	5.4	511831	SLU 36	511831	962923	0.078						Si
24	7.6	5.4	7.6	5.4	452262	SLU 36	511831	962923	0.078						Si
36	7.6	5.4	7.6	5.4	370309	SLU 36	511831	962923	0.078						Si
48	7.6	5.4	7.6	5.4	287071	SLU 36	488458	962923	0.078						Si
53	7.6	5.4	7.6	5.4	244971	SLU 36	447929	962923	0.078	128096	SLU 1	-21804	-962923	0.078	Si
65	7.6	5.4	7.6	5.4	161547	SLU 30	365908	962923	0.078	74026	SLU 1	-105831	-962923	0.078	Si
77	7.6	5.4	7.6	5.4	88779	SLU 11	282602	962923	0.078	14618	SLU 22	-193342	-962923	0.078	Si
89	11.36	5.4	7.6	5.4	32277	SLU 11	198012	963374	0.08	-67197	SLU 22	-282508	-1408916	0.086	Si
101	12.48	5.4	7.6	5.4	-25213	SLU 11	119932	963463	0.08	-154057	SLU 26	-378456	-1541861	0.089	Si
113	13.6	5.4	7.6	5.4	-83691	SLU 11	57639	963540	0.08	-242278	SLU 26	-475690	-1674734	0.092	Si
125	14.72	5.4	7.6	5.4	-139541	SLU 2	591	963606	0.08	-335400	SLU 35	-574207	-1807519	0.095	Si
137	15.21	5.4	7.6	5.4						-432059	SLU 35	-610966	-1865528	0.096	Si
143	15.21	5.4	7.6	5.4						-480871	SLU 35	-610966	-1865528	0.096	Si
154	15.21	5.4	7.6	5.4						-579456	SLU 35	-610966	-1865528	0.096	Si
158	15.21	5.4	7.6	5.4						-610966	SLU 35	-610966	-1865528	0.096	Si
166	15.21	5.4	7.6	5.4						-679326	SLU 35	-665240	-1865528	0.096	Si
178	15.21	5.4	7.6	5.4						-780481	SLU 35	-694832	-1865528	0.096	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	737929	SLV 9	737929	962923	0.078						Si
12	7.6	5.4	7.6	5.4	746733	SLV 9	746733	962923	0.078	-81676	SLV 7	-81676	-962923	0.078	Si
15	7.6	5.4	7.6	5.4	748852	SLV 9	765625	962923	0.078	-109990	SLV 7	-376827	-962923	0.078	Si
24	7.6	5.4	7.6	5.4	754557	SLV 9	769542	962923	0.078	-189747	SLV 7	-458386	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	761398	SLV 9	773973	962923	0.078	-298811	SLV 7	-569875	-962923	0.078	Si
48	7.6	5.4	7.6	5.4	767255	SLV 9	777418	962923	0.078	-408867	SLV 7	-682354	-962923	0.078	Si
53	7.6	5.4	7.6	5.4	769814	SLV 9	778771	962923	0.078	-464267	SLV 7	-738965	-962923	0.078	Si
65	7.6	5.4	7.6	5.4	774193	SLV 9	780735	962923	0.078	-575808	SLV 7	-852928	-962923	0.078	Si
77	7.6	5.4	7.6	5.4	777585	SLV 9	781713	962923	0.078	-688340	SLV 7	-967879	-962923	0.078	No
89	11.36	5.4	7.6	5.4	779991	SLV 9	781842	963374	0.08	-801861	SLV 7	-1083820	-1408916	0.086	Si
101	12.48	5.4	7.6	5.4	781410	SLV 9	781842	963463	0.08	-916370	SLV 7	-1200749	-1541861	0.089	Si
113	13.6	5.4	7.6	5.4	781842	SLV 9	781842	963540	0.08	-1031869	SLV 7	-1318667	-1674734	0.092	Si
125	14.72	5.4	7.6	5.4	781287	SLV 9	781842	963606	0.08	-1148357	SLV 7	-1437573	-1807519	0.095	Si
137	15.21	5.4	7.6	5.4	779744	SLV 9	781842	963633	0.08	-1265833	SLV 7	-1481788	-1865528	0.096	Si
143	15.21	5.4	7.6	5.4	778602	SLV 9	781826	963633	0.08	-1324941	SLV 7	-1481788	-1865528	0.096	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
154	15.21	5.4	7.6	5.4	775578	SLV 9	781218	963633	0.08	-1443900	SLV 7	-1481788	-1865528	0.096	Si
158	15.21	5.4	7.6	5.4	774387	SLV 9	780808	963633	0.08	-1481788	SLV 7	-1481788	-1865528	0.096	Si
166	15.21	5.4	7.6	5.4	771567	SLV 9	771567	963633	0.08	-1563847	SLV 7	-1547031	-1865528	0.096	Si
178	15.21	5.4	7.6	5.4	766568	SLV 9	766568	963633	0.08	-1684783	SLV 7	-1582603	-1865528	0.096	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	539289	SLD 9	524728	962923	0.078						Si
12	7.6	5.4	7.6	5.4	515791	SLD 9	515130	962923	0.078						Si
15	7.6	5.4	7.6	5.4	509427	SLD 9	509427	962923	0.078	129435	SLD 7	-58343	-962923	0.078	Si
24	7.6	5.4	7.6	5.4	491309	SLD 9	509427	962923	0.078	73502	SLD 7	-116075	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	465840	SLD 9	509427	962923	0.078	-3253	SLD 7	-195251	-962923	0.078	Si
48	7.6	5.4	7.6	5.4	439386	SLD 9	502361	962923	0.078	-80998	SLD 7	-275415	-962923	0.078	Si
53	7.6	5.4	7.6	5.4	425788	SLD 9	489970	962923	0.078	-120241	SLD 7	-315868	-962923	0.078	Si
65	7.6	5.4	7.6	5.4	397853	SLD 9	464449	962923	0.078	-199469	SLD 7	-397515	-962923	0.078	Si
77	7.6	5.4	7.6	5.4	368931	SLD 9	437942	962923	0.078	-279685	SLD 7	-480150	-962923	0.078	Si
89	11.36	5.4	7.6	5.4	339021	SLD 9	410448	963374	0.08	-360891	SLD 7	-563774	-1408916	0.086	Si
101	12.48	5.4	7.6	5.4	308124	SLD 9	381967	963463	0.08	-443084	SLD 7	-648386	-1541861	0.089	Si
113	13.6	5.4	7.6	5.4	276239	SLD 9	352499	963540	0.08	-526266	SLD 7	-733986	-1674734	0.092	Si
125	14.72	5.4	7.6	5.4	243367	SLD 9	322043	963606	0.08	-610437	SLD 7	-820575	-1807519	0.095	Si
137	15.21	5.4	7.6	5.4	209507	SLD 9	290600	963633	0.08	-695595	SLD 7	-852845	-1865528	0.096	Si
143	15.21	5.4	7.6	5.4	192206	SLD 9	274508	963633	0.08	-738545	SLD 7	-852845	-1865528	0.096	Si
154	15.21	5.4	7.6	5.4	156864	SLD 9	241583	963633	0.08	-825186	SLD 7	-852845	-1865528	0.096	Si
158	15.21	5.4	7.6	5.4	145443	SLD 9	230943	963633	0.08	-852845	SLD 7	-852845	-1865528	0.096	Si
166	15.21	5.4	7.6	5.4	120535	SLD 9	120535	963633	0.08	-912815	SLD 7	-900481	-1865528	0.096	Si
178	15.21	5.4	7.6	5.4	83217	SLD 9	83217	963633	0.08	-1001432	SLD 7	-926454	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-6947	SLU 35	-6947	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-7055	SLU 35	-7055	-8821	-68363	0	-8821	1	Si
15	0.098	7.6	0	-7083	SLU 35	-7083	-8821	-68363	-11410	-11410	1	Si
24	0.098	7.6	0	-7163	SLU 35	-7163	-8821	-68363	-11410	-11410	1	Si
36	0.098	7.6	0	-7271	SLU 35	-7271	-8821	-68363	-11410	-11410	1	Si
48	0.098	7.6	0	-7379	SLU 35	-7379	-8821	-68363	-11410	-11410	1	Si
53	0.098	7.6	0	-7433	SLU 35	-7433	-8821	-68363	-11410	-11410	1	Si
65	0.098	7.6	0	-7542	SLU 35	-7542	-8821	-68363	-11410	-11410	1	Si
77	0.098	7.6	0	-7650	SLU 35	-7650	-8821	-68363	-11410	-11410	1	Si
89	0.098	7.6	0	-7758	SLU 35	-7758	-8821	-68363	-11410	-11410	1	Si
101	0.098	7.6	0	-7866	SLU 35	-7866	-8821	-68363	-11410	-11410	1	Si
113	0.098	7.6	0	-7974	SLU 35	-7974	-8821	-68363	-11410	-11410	1	Si
125	0.098	7.6	0	-8082	SLU 35	-8082	-8821	-68363	-11410	-11410	1	Si
137	0.098	7.6	0	-8190	SLU 35	-8190	-8821	-68363	-11410	-11410	1	Si
143	0.098	7.6	0	-8244	SLU 35	-8244	-8821	-68363	-11410	-11410	1	Si
154	0.098	11.36	0	-8352	SLU 35	-8352	-10083	-68363	-11410	-11410	1	Si
158	0.098	11.92	0	-8387	SLU 35	-8387	-10246	-68363	-11410	-11410	1	Si
160	0	11.92	0	-8406	SLU 35	-8406	-10246	-68363	0	-10246	1	Si
166	0	12.48	0	-8460	SLU 35	-8460	-10404	-68363	0	-10404	1	Si
178	0	13.6	0	-8569	SLU 35	-8569	-10706	-68363	0	-10706	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	785	SLV 9	2054	8821	68363	0	8821	1	Si
0	0	7.6	0	-8974	SLV 7	-10243	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	702	SLV 9	1971	8821	68363	0	8821	1	Si
12	0	7.6	0	-9057	SLV 7	-10326	-8821	-68363	0	-8821	1	Si
15	0.098	7.6	0	680	SLV 9	1949	8821	68363	11410	11410	1	Si
15	0.098	7.6	0	-9079	SLV 7	-10348	-8821	-68363	-11410	-11410	1	Si
24	0.098	7.6	0	619	SLV 9	1888	8821	68363	11410	11410	1	Si
24	0.098	7.6	0	-9140	SLV 7	-10409	-8821	-68363	-11410	-11410	1	Si
36	0.098	7.6	0	536	SLV 9	1805	8821	68363	11410	11410	1	Si
36	0.098	7.6	0	-9223	SLV 7	-10492	-8821	-68363	-11410	-11410	1	Si
48	0.098	7.6	0	453	SLV 9	1721	8821	68363	11410	11410	1	Si
48	0.098	7.6	0	-9307	SLV 7	-10575	-8821	-68363	-11410	-11410	1	Si
53	0.098	7.6	0	411	SLV 9	1680	8821	68363	11410	11410	1	Si
53	0.098	7.6	0	-9348	SLV 7	-10617	-8821	-68363	-11410	-11410	1	Si
65	0.098	7.6	0	328	SLV 9	1597	8821	68363	11410	11410	1	Si
65	0.098	7.6	0	-9431	SLV 7	-10700	-8821	-68363	-11410	-11410	1	Si
77	0.098	7.6	0	245	SLV 9	1513	8821	68363	11410	11410	1	Si
77	0.098	7.6	0	-9515	SLV 7	-10783	-8821	-68363	-11410	-11410	1	Si
89	0.098	7.6	0	162	SLV 9	1430	8821	68363	11410	11410	1	Si
89	0.098	7.6	0	-9598	SLV 7	-10866	-8821	-68363	-11410	-11410	1	Si
101	0.098	7.6	0	78	SLV 9	1347	8821	68363	11410	11410	1	Si
101	0.098	7.6	0	-9681	SLV 7	-10950	-8821	-68363	-11410	-11410	1	Si
113	0.098	7.6	0	-5	SLV 9	1264	8821	68363	11410	11410	1	Si
113	0.098	7.6	0	-9764	SLV 7	-11033	-8821	-68363	-11410	-11410	1	Si
125	0.098	7.6	0	-88	SLV 9	1181	8821	68363	11410	11410	1	Si
125	0.098	7.6	0	-9847	SLV 7	-11116	-8821	-68363	-11410	-11410	1	Si
137	0.098	7.6	0	-171	SLV 9	1098	8821	68363	11410	11410	1	Si
137	0.098	7.6	0	-9930	SLV 7	-11199	-8821	-68363	-11410	-11410	1	Si
143	0.098	7.6	0	-213	SLV 9	1056	8821	68363	11410	11410	1	Si
143	0.098	7.6	0	-9972	SLV 7	-11241	-8821	-68363	-11410	-11410	1	Si
154	0.098	7.6	0	-296	SLV 9	973	8821	68363	11410	11410	1	Si
154	0.098	11.36	0	-10055	SLV 7	-11324	-10083	-68363	-11410	-11410	1	Si
158	0.098	7.6	0	-322	SLV 9	947	8821	68363	11410	11410	1	Si
158	0.098	11.92	0	-10081	SLV 7	-11350	-10246	-68363	-11410	-11410	1	Si
166	0	7.6	0	-379	SLV 9	890	8821	68363	0	8821	1	Si
166	0	12.48	0	-10138	SLV 7	-11407	-10404	-68363	0	-10404	1	Si
178	0	7.6	0	-462	SLV 9	807	8821	68363	0	8821	1	Si
178	0	13.6	0	-10221	SLV 7	-11490	-10706	-68363	0	-10706	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-6254	SLD 7	-6254	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-6337	SLD 7	-6337	-8821	-68363	0	-8821	1	Si
15	0.098	7.6	0	-6359	SLD 7	-6359	-8821	-68363	-11410	-11410	1	Si
24	0.098	7.6	0	-6420	SLD 7	-6420	-8821	-68363	-11410	-11410	1	Si
36	0.098	7.6	0	-6503	SLD 7	-6503	-8821	-68363	-11410	-11410	1	Si
48	0.098	7.6	0	-6586	SLD 7	-6586	-8821	-68363	-11410	-11410	1	Si
53	0.098	7.6	0	-6628	SLD 7	-6628	-8821	-68363	-11410	-11410	1	Si
65	0.098	7.6	0	-6711	SLD 7	-6711	-8821	-68363	-11410	-11410	1	Si
77	0.098	7.6	0	-6794	SLD 7	-6794	-8821	-68363	-11410	-11410	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
89	0.098	7.6	0	-6877	SLD 7	-6877	-8821	-68363	-11410	-11410	1	Si
101	0.098	7.6	0	-6960	SLD 7	-6960	-8821	-68363	-11410	-11410	1	Si
113	0.098	7.6	0	-7044	SLD 7	-7044	-8821	-68363	-11410	-11410	1	Si
125	0.098	7.6	0	-7127	SLD 7	-7127	-8821	-68363	-11410	-11410	1	Si
137	0.098	7.6	0	-7210	SLD 7	-7210	-8821	-68363	-11410	-11410	1	Si
143	0.098	7.6	0	-7251	SLD 7	-7251	-8821	-68363	-11410	-11410	1	Si
154	0.098	11.36	0	-7335	SLD 7	-7335	-10083	-68363	-11410	-11410	1	Si
158	0.098	11.92	0	-7361	SLD 7	-7361	-10246	-68363	-11410	-11410	1	Si
160	0	11.92	0	-7376	SLD 7	-7376	-10246	-68363	0	-10246	1	Si
166	0	12.48	0	-7418	SLD 7	-7418	-10404	-68363	0	-10404	1	Si
178	0	13.6	0	-7501	SLD 7	-7501	-10706	-68363	0	-10706	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	447262	9	410520	10.7	124.5	160.5	1837	381664	2	350926	15.7	93.4	0	+∞	Si
12	388617	9	386998	10.1	124.5	151.3	1837	332529	2	331170	14.9	93.4	0	+∞	Si
15	373022	9	373022	9.7	124.5	145.8	1837	319431	2	319431	14.3	93.4	0	+∞	Si
24	328984	9	373022	9.7	124.5	145.8	1837	282405	2	319431	14.3	93.4	0	+∞	Si
36	268363	9	373022	9.7	124.5	145.8	1837	231294	2	319431	14.3	93.4	0	+∞	Si
48	206753	9	355746	9.3	124.5	139	1837	179194	2	304917	13.7	93.4	0	+∞	Si
53	175578	9	325779	8.5	124.5	127.3	1837	152774	2	279706	12.5	93.4	0	+∞	Si
65	113648	3	265106	6.9	124.5	103.6	1837	99192	2	228542	10.3	93.4	0	+∞	Si
77	57943	2	203444	5.3	124.5	79.5	1837	44623	2	176390	7.9	93.4	0	+∞	Si
89	3829	2	140795	3.5	124.5	53.9	1837								Si
89	-42547	4	-212068	8.2	124.5	318.1	1837	-33080	1	-178501	6.9	93.4	0	+∞	Si
101	-111076	8	-283066	10.6	124.5	387.9	1837	-91791	1	-239629	9	93.4	0	+∞	Si
113	-180645	8	-355053	12.9	124.5	448	1837	-151489	1	-301745	11	93.4	0	+∞	Si
125	-251202	8	-428027	15.1	124.5	500.6	1837	-212176	1	-364849	12.9	93.4	0	+∞	Si
137	-322746	8	-455266	15.9	124.5	516	1837	-273850	1	-388440	13.6	93.4	0	+∞	Si
143	-358889	8	-455266	15.9	124.5	516	1837	-305058	1	-388440	13.6	93.4	0	+∞	Si
154	-431916	8	-455266	15.9	124.5	516	1837	-368214	1	-388440	13.6	93.4	0	+∞	Si
158	-455266	8	-455266	15.9	124.5	516	1837	-388440	1	-388440	13.6	93.4	0	+∞	Si
166	-505931	8	-495485	17.3	124.5	561.6	1837	-432359	1	-423282	14.8	93.4	0	+∞	Si
178	-580933	8	-517414	18.1	124.5	586.4	1837	-497491	1	-442280	15.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
15	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
24	0.001	0	0.001	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si
36	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.001	2	0.001	2	9999	Si
48	0.001	0	0.001	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si
53	0.001	0	0.001	0	0.001	0	0	0	0	0	0.001	2	0.001	2	9999	Si
65	0	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
77	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
89	0	-0.001	0	0	0	0	0	0	0	0	0	2	-0.001	2	9999	Si
101	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	2	-0.001	2	9999	Si
113	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	-0.001	2	-0.002	2	9999	Si
125	-0.001	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
137	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
143	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
154	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	2	-0.002	2	9999	Si
158	-0.001	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	2	-0.002	2	9999	Si
166	0	-0.001	0	-0.001	0	-0.001	0	0	-0.001	-0.001	-0.001	2	-0.001	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	-4199	-6148	-11410	SLV 7	0.42	1056	1.175	319431	429421	962923	SLV 9	0.53	2028	1.536	Si
24	-4261	-6148	-11410	SLV 7	0.42	1033	1.165	155578	613964	962923	SLV 9	0.47	1430	1.331	Si
36	-4344	-6148	-11410	SLV 7	0.42	1001	1.15	102049	671924	962923	SLV 9	0.46	1335	1.294	Si
48	-4427	-6148	-11410	SLV 7	0.41	971	1.136	47532	729886	962923	SLV 9	0.45	1261	1.264	Si
53	-4469	-6148	-11410	SLV 7	0.41	956	1.128	19903	758868	962923	SLV 9	0.45	1231	1.252	Si
65	-4552	-6148	-11410	SLV 7	0.4	929	1.115	-36096	-816832	-962923	SLV 7	0.41	968	1.134	Si
77	-4635	-6148	-11410	SLV 7	0.4	901	1.101	-93083	-874796	-962923	SLV 7	0.36	702	0.994	No
89	-4718	-6148	-11410	SLV 7	0.39	875	1.088	-125014	906856	963374	SLV 9	0.43	1123	1.205	Si
101	-4801	-6148	-11410	SLV 7	0.39	848	1.074	-125014	906856	963463	SLV 9	0.43	1123	1.205	Si
113	-4884	-6148	-11410	SLV 7	0.39	823	1.061	-269972	1048695	963540	SLV 9	0.43	1064	1.179	Si
125	-4968	-6148	-11410	SLV 7	0.38	797	1.047	-330911	1106663	963606	SLV 9	0.42	1049	1.172	Si
137	-5051	-6148	-11410	SLV 7	0.38	772	1.034	-353701	1128088	963633	SLV 9	0.42	1044	1.17	Si
143	-5092	-6148	-11410	SLV 7	0.37	760	1.027	-353701	1128088	963633	SLV 9	0.42	1044	1.17	Si
154	-5175	-6148	-11410	SLV 7	0.37	736	1.014	-353701	1128088	963633	SLV 9	0.42	1044	1.17	Si
158	-5202	-6148	-11410	SLV 7	0.37	728	1.009	-353701	1128088	963633	SLV 9	0.42	1044	1.17	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	-4199	-2159	-11410	SLD 7	0.45	1220	3.138	319431	189996	962923	SLD 9	0.45	1266	3.186	Si
24	-4261	-2159	-11410	SLD 7	0.44	1192	3.108	155578	271653	962923	SLD 9	0.4	899	2.769	Si
36	-4344	-2159	-11410	SLD 7	0.44	1155	3.068	102049	297300	962923	SLD 9	0.39	843	2.697	Si
48	-4427	-2159	-11410	SLD 7	0.43	1120	3.03	47532	322947	962923	SLD 9	0.38	801	2.641	Si
53	-4469	-2159	-11410	SLD 7	0.43	1102	3.01	19903	335771	962923	SLD 9	0.38	783	2.616	Si
65	-4552	-2159	-11410	SLD 7	0.43	1067	2.97	-36096	-361419	-962923	SLD 7	0.35	627	2.388	Si
77	-4635	-2159	-11410	SLD 7	0.42	1032	2.93	-93083	-387067	-962923	SLD 7	0.31	459	2.102	Si
89	-4718	-2159	-11410	SLD 7	0.42	998	2.89	-151058	412716	963374	SLD 9	0.36	712	2.516	Si
101	-4801	-2159	-11410	SLD 7	0.41	966	2.851	-210021	438365	963463	SLD 9	0.36	697	2.494	Si
113	-4884	-2159	-11410	SLD 7	0.41	937	2.816	-269972	464014	963540	SLD 9	0.36	685	2.477	Si
125	-4968	-2159	-11410	SLD 7	0.4	907	2.779	-330911	489664	963606	SLD 9	0.36	676	2.463	Si
137	-5051	-2159	-11410	SLD 7	0.4	880	2.744	-353701	499144	963633	SLD 9	0.36	673	2.459	Si
143	-5092	-2159	-11410	SLD 7	0.39	865	2.725	-353701	499144	963633	SLD 9	0.36	673	2.459	Si
154	-5175	-2159	-11410	SLD 7	0.39	838	2.69	-353701	499144	963633	SLD 9	0.36	673	2.459	Si
158	-5202	-2159	-11410	SLD 7	0.39	830	2.679	-353701	499144	963633	SLD 9	0.36	673	2.459	Si

Campata 3 tra i fili 17 - 6, sezione R 40x70, asta 1153

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-355916	SLU 26	-328900	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	-13673	SLU 11	8952	963633	0.08	-304373	SLU 26	-304373	-1865528	0.096	Si
45	14.92	5.4	7.6	5.4	6485	SLU 11	23706	963617	0.08	-244221	SLU 26	-304373	-1831457	0.095	Si
68	12.78	5.4	7.6	5.4	20524	SLU 11	32996	963486	0.08	-195596	SLU 26	-258978	-1578073	0.09	Si
91	10.64	5.4	7.6	5.4	30861	SLU 11	38583	963308	0.079	-151784	SLU 26	-208992	-1324393	0.085	Si
102	7.6	5.4	7.6	5.4	34640	SLU 11	39988	962923	0.078	-131684	SLU 26	-185805	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	39422	SLU 11	40500	962923	0.078	-95094	SLU 26	-143041	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	40500	SLU 11	40500	962923	0.078	-63319	SLU 26	-105091	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	37874	SLU 11	40500	962923	0.078	-36358	SLU 26	-71956	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	31545	SLU 11	38877	962923	0.078	-14212	SLU 26	-43635	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	21653	SLU 29	33595	962923	0.078	2698	SLU 4	-20128	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	18997	SLU 35	27266	962923	0.078	4418	SLU 2	-18141	-962923	0.078	Si
261	7.6	5.4	7.6	5.4	26240	SLU 35	30171	962923	0.078	-12560	SLU 2	-41706	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	28309	SLU 17	30432	962923	0.078	-22691	SLU 20	-55305	-962923	0.078	Si
295	7.6	5.4	7.6	5.4	30432	SLU 17	30432	962923	0.078	-47326	SLU 20	-80664	-962923	0.078	Si
320	7.6	5.4	7.6	5.4	28338	SLU 17	30432	962923	0.078	-80664	SLU 20	-80664	-962923	0.078	Si
340	7.6	5.4	7.6	5.4	23566	SLU 17	23566	962923	0.078	-111038	SLU 20	-94760	-962923	0.078	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	91478	SLV 9	91478	963633	0.08	-355054	SLV 7	-334843	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	127207	SLV 9	180837	963633	0.08	-336254	SLV 7	-336254	-1865528	0.096	Si
45	14.92	5.4	7.6	5.4	173885	SLV 9	227783	963617	0.08	-321761	SLV 7	-336254	-1831457	0.095	Si
68	12.78	5.4	7.6	5.4	215997	SLV 9	268890	963486	0.08	-317133	SLV 7	-324656	-1578073	0.09	Si
91	10.64	5.4	7.6	5.4	257451	SLV 9	308450	963308	0.079	-319254	SLV 7	-330876	-1324393	0.085	Si
102	7.6	5.4	7.6	5.4	277697	SLV 9	327488	962923	0.078	-322611	SLV 7	-337775	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	316863	SLV 9	363845	962923	0.078	-333553	SLV 7	-355407	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	353895	SLV 9	397674	962923	0.078	-349769	SLV 7	-377919	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	388469	SLV 9	428777	962923	0.078	-370933	SLV 7	-405112	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	420362	SLV 9	457029	962923	0.078	-396824	SLV 7	-436860	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	449431	SLV 9	482358	962923	0.078	-427297	SLV 7	-473093	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	475592	SLV 9	504730	962923	0.078	-462268	SLV 7	-513774	-962923	0.078	Si
261	7.6	5.4	7.6	5.4	498802	SLV 9	524125	962923	0.078	-501696	SLV 7	-558886	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	509294	SLV 9	532698	962923	0.078	-523074	SLV 7	-583095	-962923	0.078	Si
295	7.6	5.4	7.6	5.4	528039	SLV 9	545352	962923	0.078	-569147	SLV 7	-625934	-962923	0.078	Si
320	7.6	5.4	7.6	5.4	545352	SLV 9	545352	962923	0.078	-625934	SLV 7	-625934	-962923	0.078	Si
340	7.6	5.4	7.6	5.4	556429	SLV 9	550983	962923	0.078	-674412	SLV 7	-648654	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-229811	SLD 7	-213090	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	-2504	SLD 9	40783	963633	0.08	-206542	SLD 7	-206542	-1865528	0.096	Si
45	14.92	5.4	7.6	5.4	35447	SLD 9	75745	963617	0.08	-183323	SLD 7	-206542	-1831457	0.095	Si
68	12.78	5.4	7.6	5.4	67258	SLD 9	104392	963486	0.08	-168393	SLD 7	-188667	-1578073	0.09	Si
91	10.64	5.4	7.6	5.4	96655	SLD 9	130246	963308	0.079	-158457	SLD 7	-172246	-1324393	0.085	Si
102	7.6	5.4	7.6	5.4	110348	SLD 9	142058	962923	0.078	-155262	SLD 7	-165970	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	135571	SLD 9	163351	962923	0.078	-152261	SLD 7	-157067	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	157754	SLD 9	181439	962923	0.078	-153628	SLD 7	-161685	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	176760	SLD 9	196239	962923	0.078	-159224	SLD 7	-172574	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	192497	SLD 9	207699	962923	0.078	-168959	SLD 7	-187531	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	204906	SLD 9	215791	962923	0.078	-182771	SLD 7	-206525	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	213951	SLD 9	220500	962923	0.078	-200627	SLD 7	-229545	-962923	0.078	Si
261	7.6	5.4	7.6	5.4	219617	SLD 9	221896	962923	0.078	-222511	SLD 7	-256582	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	221180	SLD 9	221896	962923	0.078	-234960	SLD 7	-271605	-962923	0.078	Si
295	7.6	5.4	7.6	5.4	221763	SLD 9	221896	962923	0.078	-262871	SLD 7	-298891	-962923	0.078	Si
320	7.6	5.4	7.6	5.4	218309	SLD 9	221807	962923	0.078	-298891	SLD 7	-298891	-962923	0.078	Si
340	7.6	5.4	7.6	5.4	212693	SLD 9	212693	962923	0.078	-330676	SLD 7	-313653	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	12.78	0	2637	SLU 26	2637	10488	68363	0	10488	1	Si
20	0.06	11.71	0	2453	SLU 26	2453	10187	68363	7003	10187	1	Si
34	0.06	7.6	0	2323	SLU 26	2323	8821	68363	7003	8821	1	Si
45	0.06	7.6	0	2219	SLU 26	2219	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	2009	SLU 26	2009	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	1800	SLU 26	1800	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	1695	SLU 26	1695	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	1486	SLU 26	1486	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	1277	SLU 26	1277	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	-34	SLU 11	-34	-8821	-68363	-7003	-8821	1	Si
170	0.06	7.6	0	1067	SLU 26	1067	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	-195	SLU 11	-195	-8821	-68363	-7003	-8821	1	Si
193	0.06	7.6	0	858	SLU 26	858	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	-356	SLU 11	-356	-8821	-68363	-7003	-8821	1	Si
215	0.06	7.6	0	649	SLU 26	649	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	-517	SLU 11	-517	-8821	-68363	-7003	-8821	1	Si
238	0.06	7.6	0	440	SLU 26	440	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	-678	SLU 11	-678	-8821	-68363	-7003	-8821	1	Si
261	0.06	7.6	0	273	SLU 8	273	8821	68363	7003	8821	1	Si
261	0.06	7.6	0	-882	SLU 29	-882	-8821	-68363	-7003	-8821	1	Si
272	0.06	7.6	0	193	SLU 8	193	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	-986	SLU 29	-986	-8821	-68363	-7003	-8821	1	Si
295	0.06	7.6	0	32	SLU 8	32	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	-1196	SLU 29	-1196	-8821	-68363	-7003	-8821	1	Si
320	0.06	7.6	0	-1430	SLU 29	-1430	-8821	-68363	-7003	-8821	1	Si
340	0	7.6	0	-1614	SLU 29	-1614	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3037	SLV 5	3458	8821	68363	0	8821	1	Si
0	0	12.78	0	-200	SLV 11	-621	-10488	-68363	0	-10488	1	Si
20	0.06	7.6	0	2895	SLV 5	3316	8821	68363	7003	8821	1	Si
20	0.06	11.71	0	-342	SLV 11	-763	-10187	-68363	-7003	-10187	1	Si
45	0.06	7.6	0	2715	SLV 5	3136	8821	68363	7003	8821	1	Si
45	0.06	7.6	0	-522	SLV 11	-943	-8821	-68363	-7003	-8821	1	Si
68	0.06	7.6	0	2554	SLV 5	2975	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	-683	SLV 11	-1104	-8821	-68363	-7003	-8821	1	Si
91	0.06	7.6	0	2393	SLV 5	2814	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	-844	SLV 11	-1265	-8821	-68363	-7003	-8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
102	0.06	7.6	0	2313	SLV 5	2734	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	-925	SLV 11	-1346	-8821	-68363	-7003	-8821	1	Si
125	0.06	7.6	0	2152	SLV 5	2573	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	-1086	SLV 11	-1507	-8821	-68363	-7003	-8821	1	Si
147	0.06	7.6	0	1991	SLV 5	2412	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	-1247	SLV 11	-1668	-8821	-68363	-7003	-8821	1	Si
170	0.06	7.6	0	1830	SLV 5	2251	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	-1408	SLV 11	-1829	-8821	-68363	-7003	-8821	1	Si
193	0.06	7.6	0	1669	SLV 5	2090	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	-1569	SLV 11	-1990	-8821	-68363	-7003	-8821	1	Si
215	0.06	7.6	0	1508	SLV 5	1929	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	-1730	SLV 11	-2151	-8821	-68363	-7003	-8821	1	Si
238	0.06	7.6	0	1347	SLV 5	1768	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	-1891	SLV 11	-2312	-8821	-68363	-7003	-8821	1	Si
261	0.06	7.6	0	1186	SLV 5	1607	8821	68363	7003	8821	1	Si
261	0.06	7.6	0	-2052	SLV 11	-2473	-8821	-68363	-7003	-8821	1	Si
272	0.06	7.6	0	1105	SLV 5	1526	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	-2132	SLV 11	-2553	-8821	-68363	-7003	-8821	1	Si
295	0.06	7.6	0	944	SLV 5	1365	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	-2293	SLV 11	-2714	-8821	-68363	-7003	-8821	1	Si
320	0.06	7.6	0	764	SLV 5	1185	8821	68363	7003	8821	1	Si
320	0.06	7.6	0	-2473	SLV 11	-2894	-8821	-68363	-7003	-8821	1	Si
340	0	7.6	0	622	SLV 5	1043	8821	68363	0	8821	1	Si
340	0	7.6	0	-2615	SLV 11	-3036	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	12.78	0	2129	SLD 5	2129	10488	68363	0	10488	1	Si
20	0.06	11.71	0	1987	SLD 5	1987	10187	68363	7003	10187	1	Si
34	0.06	7.6	0	1888	SLD 5	1888	8821	68363	7003	8821	1	Si
45	0.06	7.6	0	1807	SLD 5	1807	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	1646	SLD 5	1646	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	1485	SLD 5	1485	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	1405	SLD 5	1405	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	-17	SLD 11	-17	-8821	-68363	-7003	-8821	1	Si
125	0.06	7.6	0	1244	SLD 5	1244	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	-178	SLD 11	-178	-8821	-68363	-7003	-8821	1	Si
147	0.06	7.6	0	1083	SLD 5	1083	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	-339	SLD 11	-339	-8821	-68363	-7003	-8821	1	Si
170	0.06	7.6	0	922	SLD 5	922	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	-500	SLD 11	-500	-8821	-68363	-7003	-8821	1	Si
193	0.06	7.6	0	761	SLD 5	761	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	-661	SLD 11	-661	-8821	-68363	-7003	-8821	1	Si
215	0.06	7.6	0	600	SLD 5	600	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	-822	SLD 11	-822	-8821	-68363	-7003	-8821	1	Si
238	0.06	7.6	0	439	SLD 5	439	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	-983	SLD 11	-983	-8821	-68363	-7003	-8821	1	Si
261	0.06	7.6	0	278	SLD 5	278	8821	68363	7003	8821	1	Si
261	0.06	7.6	0	-1144	SLD 11	-1144	-8821	-68363	-7003	-8821	1	Si
272	0.06	7.6	0	197	SLD 5	197	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	-1224	SLD 11	-1224	-8821	-68363	-7003	-8821	1	Si
295	0.06	7.6	0	36	SLD 5	36	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	-1385	SLD 11	-1385	-8821	-68363	-7003	-8821	1	Si
320	0.06	7.6	0	-1565	SLD 11	-1565	-8821	-68363	-7003	-8821	1	Si
340	0	7.6	0	-1707	SLD 11	-1707	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-259232	8	-239028	8.4	124.5	270.9	1837	-193940	1	-176754	6.2	93.4	0	+∞	Si
20	-220723	8	-220723	7.7	124.5	250.2	1837	-161380	1	-161380	5.6	93.4	0	+∞	Si
45	-175894	8	-220723	7.8	124.5	254.8	1837	-124088	1	-161380	5.7	93.4	0	+∞	Si
68	-139781	8	-186881	6.9	124.5	250.2	1837	-94717	1	-133170	4.9	93.4	0	+∞	Si
91	-107370	8	-149721	5.9	124.5	239	1837	-69050	1	-102753	4.1	93.4	0	+∞	Si
102	976	2	13158	0.3	124.5	5.1	1837								Si
102	-92554	8	-132530	3.5	124.5	51.8	1837	-57605	1	-88933	4	93.4	0	+∞	Si
125	11087	2	18520	0.5	124.5	7.2	1837								Si
125	-65698	8	-100925	2.6	124.5	39.4	1837	-37493	1	-64071	2.9	93.4	0	+∞	Si
147	17494	2	20199	0.5	124.5	7.9	1837	2063	2	9877	0.4	93.4	0	+∞	Si
147	-42547	8	-73024	1.9	124.5	28.5	1837	-21084	1	-42913	1.9	93.4	0	+∞	Si
170	20199	2	20199	0.5	124.5	7.9	1837	8768	2	11832	0.5	93.4	0	+∞	Si
170	-23098	8	-48825	1.3	124.5	19.1	1837	-8379	1	-25458	1.1	93.4	0	+∞	Si
193	19200	2	20199	0.5	124.5	7.9	1837	11769	2	11881	0.5	93.4	0	+∞	Si
193	-7353	8	-28331	0.7	124.5	11.1	1837								Si
215	14497	2	19743	0.5	124.5	7.7	1837	11067	2	11881	0.5	93.4	0	+∞	Si
238	13027	8	18187	0.5	124.5	7.1	1837	7518	1	11527	0.5	93.4	0	+∞	Si
261	17663	8	18594	0.5	124.5	7.3	1837	5410	1	8168	0.4	93.4	0	+∞	Si
261	-6018	2	-27082	0.7	124.5	10.6	1837	-1447	2	-17381	0.8	93.4	0	+∞	Si
272	18591	8	18594	0.5	124.5	7.3	1837	2967	1	7261	0.3	93.4	0	+∞	Si
272	-13461	2	-36900	1	124.5	14.4	1837	-6890	2	-25198	1.1	93.4	0	+∞	Si
295	17671	8	18594	0.5	124.5	7.3	1837								Si
295	-31125	2	-55334	1.4	124.5	21.6	1837	-20554	2	-40291	1.8	93.4	0	+∞	Si
320	12177	8	17976	0.5	124.5	7	1837								Si
320	-55334	2	-55334	1.4	124.5	21.6	1837	-40291	2	-40291	1.8	93.4	0	+∞	Si
340	4721	8	4721	0.1	124.5	1.8	1837								Si
340	-77564	2	-65618	1.7	124.5	25.6	1837	-58992	2	-48836	2.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	2	-0.001	2	9999	Si
45	0	-0.002	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	2	-0.003	2	9999	Si
68	0	-0.002	0	-0.002	0	-0.001	0	-0.001	0	-0.001	-0.001	2	-0.003	2	9999	Si
91	0	-0.002	0	-0.002	0	-0.001	0	-0.001	0	-0.001	-0.001	2	-0.003	2	9999	Si
102	0	-0.002	0	-0.002	0	-0.001	0	-0.001	0	-0.001	-0.001	2	-0.003	2	9999	Si
125	0	-0.002	0	-0.002	0	-0.001	0	-0.001	0	-0.001	-0.001	2	-0.003	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
147	0	-0.002	0	-0.002	0	-0.001	0	-0.001	0	-0.001	-0.001	2	-0.003	2	9999	Si
170	0	-0.002	0	-0.002	0	-0.001	0	-0.001	0	-0.001	-0.001	2	-0.003	2	9999	Si
193	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	2	-0.002	2	9999	Si
215	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	2	-0.002	2	9999	Si
238	0	-0.001	0	-0.001	0	0	0	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
261	0	0	0	-0.001	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
272	0	0	0	-0.001	0	0	0	0	0	0	0	2	-0.001	2	9999	Si
295	0	0	0	0	0	0	0	0	0	0	0	2	-0.001	2	9999	Si
320	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1276	2040	8821	SLV 5	0.57	2474	1.666	-104523	231731	963633	SLV 9	0.57	2474	1.666	Si
45	1097	2040	8821	SLV 5	0.57	2474	1.666	-44751	272533	963617	SLV 9	0.57	2474	1.666	Si
68	936	2040	8821	SLV 5	0.57	2474	1.666	-26130	295020	963486	SLV 9	0.57	2474	1.666	Si
91	775	2040	8821	SLV 5	0.57	2474	1.666	-11213	319663	963308	SLV 9	0.57	2474	1.666	Si
102	694	2040	8821	SLV 5	0.57	2474	1.666	-5143	-332632	-962923	SLV 7	0.57	2474	1.666	Si
125	533	2040	8821	SLV 5	0.57	2474	1.666	4219	359626	962923	SLV 9	0.57	2474	1.666	Si
147	372	2040	8821	SLV 5	0.57	2474	1.666	9877	387797	962923	SLV 9	0.57	2474	1.666	Si
170	211	2040	8821	SLV 5	0.57	2474	1.666	11832	416945	962923	SLV 9	0.57	2474	1.666	Si
193	50	2040	8821	SLV 5	0.57	2474	1.666	10084	446945	962923	SLV 9	0.57	2474	1.666	Si
215	-111	-2040	-8821	SLV 11	0.57	2474	1.666	4633	477725	962923	SLV 9	0.57	2474	1.666	Si
238	-272	-2040	-8821	SLV 11	0.57	2474	1.666	-4522	-509252	-962923	SLV 7	0.57	2474	1.666	Si
261	-433	-2040	-8821	SLV 11	0.57	2474	1.666	-17381	-541506	-962923	SLV 7	0.57	2474	1.666	Si
272	-514	-2040	-8821	SLV 11	0.57	2474	1.666	-25198	-557897	-962923	SLV 7	0.57	2474	1.666	Si
295	-675	-2040	-8821	SLV 11	0.57	2474	1.666	-40291	-585643	-962923	SLV 7	0.56	2318	1.622	Si
320	-855	-2040	-8821	SLV 11	0.57	2474	1.666	-40291	-585643	-962923	SLV 7	0.56	2318	1.622	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1276	711	10187	SLD 5	0.6	2474	4.193	-104523	102019	963633	SLD 9	0.6	2474	4.193	Si
45	1097	711	8821	SLD 5	0.6	2474	4.193	-44751	120496	963617	SLD 9	0.6	2474	4.193	Si
68	936	711	8821	SLD 5	0.6	2474	4.193	-26130	130522	963486	SLD 9	0.6	2474	4.193	Si
91	775	711	8821	SLD 5	0.6	2474	4.193	-11213	141459	963308	SLD 9	0.6	2474	4.193	Si
102	694	711	8821	SLD 5	0.6	2474	4.193	-5143	147201	962923	SLD 9	0.6	2474	4.193	Si
125	533	711	8821	SLD 5	0.6	2474	4.193	4219	159132	962923	SLD 9	0.6	2474	4.193	Si
147	372	711	8821	SLD 5	0.6	2474	4.193	9877	171562	962923	SLD 9	0.6	2474	4.193	Si
170	211	711	8821	SLD 5	0.6	2474	4.193	11832	184407	962923	SLD 9	0.6	2474	4.193	Si
193	50	711	8821	SLD 5	0.6	2474	4.193	10084	197615	962923	SLD 9	0.6	2474	4.193	Si
215	-111	-711	-8821	SLD 11	0.6	2474	4.193	4633	211158	962923	SLD 9	0.6	2474	4.193	Si
238	-272	-711	-8821	SLD 11	0.6	2474	4.193	-4522	-225022	-962923	SLD 7	0.56	2333	4.093	Si
261	-433	-711	-8821	SLD 11	0.6	2474	4.193	-17381	-239202	-962923	SLD 7	0.52	1911	3.772	Si
272	-514	-711	-8821	SLD 11	0.6	2474	4.193	-25198	-246406	-962923	SLD 7	0.5	1726	3.618	Si
295	-675	-711	-8821	SLD 11	0.6	2474	4.193	-40291	-258600	-962923	SLD 7	0.48	1453	3.371	Si
320	-855	-711	-8821	SLD 11	0.6	2474	4.193	-40291	-258600	-962923	SLD 7	0.48	1453	3.371	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 41-7

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 41 - ?, sezione R 40x70, asta 1148

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	3030	SLU 8	3030	962923	0.078	-97443	SLU 29	-55157	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	81524	SLU 26	164656	962923	0.078	-21330	SLU 11	-21330	-962923	0.078	Si
35	7.6	5.4	7.6	5.4	104199	SLU 26	185789	962923	0.078	-2506	SLU 11	-21330	-962923	0.078	Si
70	7.6	5.4	7.6	5.4	202572	SLU 35	276639	962923	0.078						Si
105	7.6	5.4	7.6	5.4	291486	SLU 35	356262	962923	0.078						Si
141	7.6	5.4	7.6	5.4	369173	SLU 35	424656	962923	0.078						Si
158	7.6	5.4	7.6	5.4	403805	SLU 35	454642	962923	0.078						Si
193	7.6	5.4	7.6	5.4	464649	SLU 35	506194	962923	0.078						Si
228	7.6	5.4	7.6	5.4	514265	SLU 35	546518	962923	0.078						Si
263	7.6	5.4	7.6	5.4	552653	SLU 35	575613	962923	0.078						Si
299	7.6	5.4	7.6	5.4	579812	SLU 35	593480	962923	0.078						Si
334	7.6	5.4	7.6	5.4	595743	SLU 35	600119	962923	0.078						Si
351	7.6	5.4	7.6	5.4	599498	SLU 35	600446	962923	0.078						Si
369	7.6	5.4	7.6	5.4	600446	SLU 35	600446	962923	0.078						Si
404	7.6	5.4	7.6	5.4	593921	SLU 35	599805	962923	0.078						Si
422	7.6	5.4	7.6	5.4	586448	SLU 35	596978	962923	0.078						Si
457	7.6	5.4	7.6	5.4	563717	SLU 36	582903	962923	0.078						Si
492	7.6	5.4	7.6	5.4	532319	SLU 36	558787	962923	0.078						Si
512	7.6	5.4	7.6	5.4	509094	SLU 36	541027	962923	0.078						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
527	7.6	5.4	7.6	5.4	489692	SLU 36	489692	962923	0.078						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	904589	SLV 7	904589	962923	0.078	-1008726	SLV 9	-940871	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	902398	SLV 7	902398	962923	0.078	-875369	SLV 9	-875369	-962923	0.078	Si
35	7.6	5.4	7.6	5.4	901192	SLV 7	902398	962923	0.078	-838984	SLV 9	-875369	-962923	0.078	Si
70	7.6	5.4	7.6	5.4	889167	SLV 7	899490	962923	0.078	-677889	SLV 9	-810836	-962923	0.078	Si
105	7.6	5.4	7.6	5.4	868518	SLV 7	885978	962923	0.078	-525444	SLV 9	-651232	-962923	0.078	Si
141	7.6	5.4	7.6	5.4	839251	SLV 7	863843	962923	0.078	-381656	SLV 9	-500279	-962923	0.078	Si
158	7.6	5.4	7.6	5.4	821390	SLV 7	849544	962923	0.078	-313011	SLV 9	-428049	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	779222	SLV 7	814489	962923	0.078	-182233	SLV 9	-290088	-962923	0.078	Si
228	7.6	5.4	7.6	5.4	728491	SLV 7	770843	962923	0.078	-60166	SLV 9	-160809	-962923	0.078	Si
263	7.6	5.4	7.6	5.4	669285	SLV 7	718644	962923	0.078	53102	SLV 9	-40253	-962923	0.078	Si
299	7.6	5.4	7.6	5.4	601919	SLV 7	658007	962923	0.078						Si
334	7.6	5.4	7.6	5.4	528109	SLV 11	589381	962923	0.078						Si
369	7.6	5.4	7.6	5.4	452086	SLV 11	515054	962923	0.078						Si
404	7.6	5.4	7.6	5.4	430843	SLV 13	483609	962923	0.078						Si
422	7.6	5.4	7.6	5.4	461834	SLV 9	515728	962923	0.078						Si
457	7.6	5.4	7.6	5.4	526601	SLV 9	574153	962923	0.078						Si
492	7.6	5.4	7.6	5.4	583629	SLV 9	612393	962923	0.078	69104	SLV 7	-1072	-962923	0.078	Si
512	7.6	5.4	7.6	5.4	612393	SLV 9	612393	962923	0.078	-1072	SLV 7	-1072	-962923	0.078	Si
527	7.6	5.4	7.6	5.4	632245	SLV 9	622691	962923	0.078	-55007	SLV 7	-27758	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	370984	SLD 7	370984	962923	0.078	-475121	SLD 9	-426158	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	406593	SLD 7	438841	962923	0.078	-379564	SLD 9	-379564	-962923	0.078	Si
35	7.6	5.4	7.6	5.4	415870	SLD 7	446243	962923	0.078	-353662	SLD 9	-379564	-962923	0.078	Si
70	7.6	5.4	7.6	5.4	452122	SLD 7	475352	962923	0.078	-240844	SLD 9	-333838	-962923	0.078	Si
105	7.6	5.4	7.6	5.4	479743	SLD 7	495832	962923	0.078	-136669	SLD 9	-222510	-962923	0.078	Si
141	7.6	5.4	7.6	5.4	498735	SLD 7	507688	962923	0.078	-41140	SLD 9	-119825	-962923	0.078	Si
158	7.6	5.4	7.6	5.4	504997	SLD 7	510384	962923	0.078	3381	SLD 9	-71725	-962923	0.078	Si
176	7.6	5.4	7.6	5.4	509104	SLD 7	511058	962923	0.078	45739	SLD 9	-25787	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	511058	SLD 7	511058	962923	0.078						Si
228	7.6	5.4	7.6	5.4	508514	SLD 7	510989	962923	0.078						Si
263	7.6	5.4	7.6	5.4	497404	SLD 7	506966	962923	0.078						Si
299	7.6	5.4	7.6	5.4	477866	SLD 7	494392	962923	0.078						Si
334	7.6	5.4	7.6	5.4	450660	SLD 11	473466	962923	0.078						Si
369	7.6	5.4	7.6	5.4	417654	SLD 11	445201	962923	0.078						Si
404	7.6	5.4	7.6	5.4	404133	SLD 13	420244	962923	0.078						Si
422	7.6	5.4	7.6	5.4	413955	SLD 9	428558	962923	0.078						Si
457	7.6	5.4	7.6	5.4	431192	SLD 9	438997	962923	0.078						Si
492	7.6	5.4	7.6	5.4	440181	SLD 9	441479	962923	0.078						Si
512	7.6	5.4	7.6	5.4	441355	SLD 9	441479	962923	0.078						Si
527	7.6	5.4	7.6	5.4	440631	SLD 9	440631	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3421	SLU 36	3421	8821	68363	0	8821	1	Si
28	0.06	7.6	0	3171	SLU 36	3171	8821	68363	6987	8821	1	Si
35	0.06	7.6	0	3102	SLU 36	3102	8821	68363	6987	8821	1	Si
70	0.06	7.6	0	2782	SLU 36	2782	8821	68363	6987	8821	1	Si
105	0.06	7.6	0	2462	SLU 36	2462	8821	68363	6987	8821	1	Si
141	0.06	7.6	0	2143	SLU 36	2143	8821	68363	6987	8821	1	Si
158	0.06	7.6	0	1983	SLU 36	1983	8821	68363	6987	8821	1	Si
193	0.06	7.6	0	1663	SLU 36	1663	8821	68363	6987	8821	1	Si
228	0.06	7.6	0	1344	SLU 36	1344	8821	68363	6987	8821	1	Si
263	0.06	7.6	0	1024	SLU 36	1024	8821	68363	6987	8821	1	Si
299	0.06	7.6	0	704	SLU 36	704	8821	68363	6987	8821	1	Si
334	0.06	7.6	0	404	SLU 18	404	8821	68363	6987	8821	1	Si
369	0.06	7.6	0	158	SLU 18	158	8821	68363	6987	8821	1	Si
369	0.06	7.6	0	-270	SLU 19	-270	-8821	-68363	-6987	-8821	1	Si
404	0.06	7.6	0	-590	SLU 19	-590	-8821	-68363	-6987	-8821	1	Si
422	0.06	7.6	0	-749	SLU 19	-749	-8821	-68363	-6987	-8821	1	Si
457	0.06	7.6	0	-1069	SLU 19	-1069	-8821	-68363	-6987	-8821	1	Si
492	0.06	7.6	0	-1389	SLU 19	-1389	-8821	-68363	-6987	-8821	1	Si
512	0.06	7.6	0	-1572	SLU 19	-1572	-8821	-68363	-6987	-8821	1	Si
527	0	7.6	0	-1708	SLU 19	-1708	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4956	SLV 9	5597	8821	68363	0	8821	1	Si
0	0	7.6	0	25	SLV 7	-616	-8821	-68363	0	-8821	1	Si
28	0.06	7.6	0	4764	SLV 9	5405	8821	68363	6987	8821	1	Si
28	0.06	7.6	0	-167	SLV 7	-808	-8821	-68363	-6987	-8821	1	Si
35	0.06	7.6	0	4710	SLV 9	5351	8821	68363	6987	8821	1	Si
35	0.06	7.6	0	-221	SLV 7	-862	-8821	-68363	-6987	-8821	1	Si
70	0.06	7.6	0	4465	SLV 9	5106	8821	68363	6987	8821	1	Si
70	0.06	7.6	0	-467	SLV 7	-1108	-8821	-68363	-6987	-8821	1	Si
105	0.06	7.6	0	4219	SLV 9	4860	8821	68363	6987	8821	1	Si
105	0.06	7.6	0	-713	SLV 7	-1354	-8821	-68363	-6987	-8821	1	Si
141	0.06	7.6	0	3973	SLV 9	4614	8821	68363	6987	8821	1	Si
141	0.06	7.6	0	-958	SLV 7	-1599	-8821	-68363	-6987	-8821	1	Si
158	0.06	7.6	0	3850	SLV 9	4491	8821	68363	6987	8821	1	Si
158	0.06	7.6	0	-1081	SLV 7	-1722	-8821	-68363	-6987	-8821	1	Si
193	0.06	7.6	0	3604	SLV 9	4245	8821	68363	6987	8821	1	Si
193	0.06	7.6	0	-1327	SLV 7	-1968	-8821	-68363	-6987	-8821	1	Si
228	0.06	7.6	0	3358	SLV 9	3999	8821	68363	6987	8821	1	Si
228	0.06	7.6	0	-1573	SLV 7	-2214	-8821	-68363	-6987	-8821	1	Si
263	0.06	7.6	0	3112	SLV 9	3753	8821	68363	6987	8821	1	Si
263	0.06	7.6	0	-1819	SLV 7	-2460	-8821	-68363	-6987	-8821	1	Si
299	0.06	7.6	0	2866	SLV 9	3507	8821	68363	6987	8821	1	Si
299	0.06	7.6	0	-2065	SLV 7	-2706	-8821	-68363	-6987	-8821	1	Si
334	0.06	7.6	0	2620	SLV 9	3261	8821	68363	6987	8821	1	Si
334	0.06	7.6	0	-2311	SLV 7	-2952	-8821	-68363	-6987	-8821	1	Si
369	0.06	7.6	0	2375	SLV 9	3016	8821	68363	6987	8821	1	Si
369	0.06	7.6	0	-2557	SLV 7	-3198	-8821	-68363	-6987	-8821	1	Si
404	0.06	7.6	0	2129	SLV 9	2770	8821	68363	6987	8821	1	Si
404	0.06	7.6	0	-2803	SLV 7	-3444	-8821	-68363	-6987	-8821	1	Si
422	0.06	7.6	0	2006	SLV 9	2647	8821	68363	6987	8821	1	Si
422	0.06	7.6	0	-2925	SLV 7	-3567	-8821	-68363	-6987	-8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
457	0.06	7.6	0	1760	SLV 9	2401	8821	68363	6987	8821	1	Si
457	0.06	7.6	0	-3171	SLV 7	-3812	-8821	-68363	-6987	-8821	1	Si
492	0.06	7.6	0	1514	SLV 9	2155	8821	68363	6987	8821	1	Si
492	0.06	7.6	0	-3417	SLV 7	-4058	-8821	-68363	-6987	-8821	1	Si
512	0.06	7.6	0	1373	SLV 9	2014	8821	68363	6987	8821	1	Si
512	0.06	7.6	0	-3558	SLV 7	-4199	-8821	-68363	-6987	-8821	1	Si
527	0	7.6	0	1268	SLV 9	1909	8821	68363	0	8821	1	Si
527	0	7.6	0	-3663	SLV 7	-4304	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3581	SLD 9	3581	8821	68363	0	8821	1	Si
28	0.06	7.6	0	3389	SLD 9	3389	8821	68363	6987	8821	1	Si
35	0.06	7.6	0	3335	SLD 9	3335	8821	68363	6987	8821	1	Si
70	0.06	7.6	0	3089	SLD 9	3089	8821	68363	6987	8821	1	Si
105	0.06	7.6	0	2844	SLD 9	2844	8821	68363	6987	8821	1	Si
141	0.06	7.6	0	2598	SLD 9	2598	8821	68363	6987	8821	1	Si
158	0.06	7.6	0	2475	SLD 9	2475	8821	68363	6987	8821	1	Si
193	0.06	7.6	0	2229	SLD 9	2229	8821	68363	6987	8821	1	Si
228	0.06	7.6	0	1983	SLD 9	1983	8821	68363	6987	8821	1	Si
228	0.06	7.6	0	-198	SLD 7	-198	-8821	-68363	-6987	-8821	1	Si
263	0.06	7.6	0	1737	SLD 9	1737	8821	68363	6987	8821	1	Si
263	0.06	7.6	0	-444	SLD 7	-444	-8821	-68363	-6987	-8821	1	Si
299	0.06	7.6	0	1491	SLD 9	1491	8821	68363	6987	8821	1	Si
299	0.06	7.6	0	-690	SLD 7	-690	-8821	-68363	-6987	-8821	1	Si
334	0.06	7.6	0	1245	SLD 9	1245	8821	68363	6987	8821	1	Si
334	0.06	7.6	0	-936	SLD 7	-936	-8821	-68363	-6987	-8821	1	Si
369	0.06	7.6	0	999	SLD 9	999	8821	68363	6987	8821	1	Si
369	0.06	7.6	0	-1182	SLD 7	-1182	-8821	-68363	-6987	-8821	1	Si
404	0.06	7.6	0	753	SLD 9	753	8821	68363	6987	8821	1	Si
404	0.06	7.6	0	-1427	SLD 7	-1427	-8821	-68363	-6987	-8821	1	Si
422	0.06	7.6	0	631	SLD 9	631	8821	68363	6987	8821	1	Si
422	0.06	7.6	0	-1550	SLD 7	-1550	-8821	-68363	-6987	-8821	1	Si
457	0.06	7.6	0	385	SLD 9	385	8821	68363	6987	8821	1	Si
457	0.06	7.6	0	-1796	SLD 7	-1796	-8821	-68363	-6987	-8821	1	Si
492	0.06	7.6	0	139	SLD 9	139	8821	68363	6987	8821	1	Si
492	0.06	7.6	0	-2042	SLD 7	-2042	-8821	-68363	-6987	-8821	1	Si
512	0.06	7.6	0	-2183	SLD 7	-2183	-8821	-68363	-6987	-8821	1	Si
527	0	7.6	0	-2288	SLD 7	-2288	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-67662	2	-33203	0.9	124.5	13	1837	-52069	2	-18086	0.8	93.4	0	+∞	Si
28	57810	8	122681	3.2	124.5	48	1837	35475	1	97894	4.4	93.4	0	+∞	Si
28	-1126	2	-1126	0	124.5	0.4	1837								Si
35	75645	8	138641	3.6	124.5	54.2	1837	52667	1	113211	5.1	93.4	0	+∞	Si
70	151316	8	207164	5.4	124.5	81	1837	125375	1	178771	8	93.4	0	+∞	Si
105	218349	8	267049	7	124.5	104.4	1837	189446	1	235694	10.6	93.4	0	+∞	Si
141	276746	8	318298	8.3	124.5	124.4	1837	244879	1	283980	12.7	93.4	0	+∞	Si
158	302705	8	340683	8.9	124.5	133.2	1837	269357	1	304884	13.7	93.4	0	+∞	Si
193	348146	8	378976	9.9	124.5	148.1	1837	311835	1	340214	15.3	93.4	0	+∞	Si
228	384949	8	408632	10.6	124.5	159.7	1837	345676	1	366907	16.5	93.4	0	+∞	Si
263	413116	8	429650	11.2	124.5	167.9	1837	370880	1	384962	17.3	93.4	0	+∞	Si
299	432645	8	442032	11.5	124.5	172.8	1837	387447	1	394381	17.7	93.4	0	+∞	Si
334	443537	8	445776	11.6	124.5	174.2	1837	395376	1	396102	17.8	93.4	0	+∞	Si
369	445793	8	445793	11.6	124.5	174.2	1837	394669	1	396102	17.8	93.4	0	+∞	Si
404	439411	8	445065	11.6	124.5	174	1837	385324	1	393430	17.6	93.4	0	+∞	Si
422	432981	8	442209	11.5	124.5	172.8	1837	377413	1	389092	17.5	93.4	0	+∞	Si
457	414068	9	430019	11.2	124.5	168.1	1837	355476	2	373940	16.8	93.4	0	+∞	Si
492	388225	9	409984	10.7	124.5	160.2	1837	326366	2	350830	15.7	93.4	0	+∞	Si
512	369391	9	395355	10.3	124.5	154.5	1837	305660	2	334328	15	93.4	0	+∞	Si
527	353745	9	353745	9.2	124.5	138.3	1837	288619	2	288619	12.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
28	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.013	1	0.012	1	9999	Si
35	0.008	0.006	0.007	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.016	1	0.015	1	9999	Si
70	0.015	0.012	0.014	0.011	0.014	0.013	0.012	0.011	0.013	0.013	0.031	1	0.03	1	9999	Si
105	0.022	0.018	0.02	0.016	0.02	0.019	0.018	0.017	0.019	0.019	0.046	1	0.044	1	9999	Si
141	0.028	0.023	0.025	0.021	0.025	0.024	0.023	0.021	0.025	0.024	0.059	1	0.056	1	8997	Si
158	0.031	0.026	0.028	0.023	0.028	0.026	0.025	0.024	0.027	0.026	0.064	1	0.062	1	8217	Si
193	0.035	0.029	0.032	0.027	0.032	0.03	0.029	0.027	0.031	0.03	0.073	1	0.071	1	7181	Si
228	0.038	0.032	0.035	0.029	0.035	0.033	0.031	0.03	0.034	0.033	0.08	1	0.077	1	6599	Si
263	0.04	0.034	0.036	0.03	0.036	0.034	0.033	0.031	0.035	0.034	0.083	1	0.081	1	6331	Si
281	0.04	0.034	0.036	0.031	0.036	0.034	0.033	0.031	0.036	0.035	0.084	1	0.081	1	6296	Si
299	0.04	0.034	0.036	0.031	0.036	0.034	0.033	0.031	0.035	0.034	0.083	1	0.081	1	6326	Si
334	0.038	0.033	0.035	0.029	0.035	0.033	0.031	0.03	0.034	0.033	0.08	1	0.078	1	6595	Si
369	0.035	0.03	0.032	0.027	0.032	0.03	0.029	0.027	0.031	0.03	0.073	1	0.071	1	7221	Si
404	0.03	0.026	0.027	0.023	0.027	0.026	0.024	0.023	0.027	0.026	0.063	1	0.061	1	8430	Si
422	0.027	0.023	0.024	0.021	0.024	0.023	0.022	0.021	0.024	0.023	0.056	1	0.055	1	9414	Si
457	0.019	0.017	0.018	0.015	0.017	0.017	0.016	0.015	0.017	0.017	0.04	1	0.04	1	9999	Si
492	0.01	0.009	0.009	0.008	0.009	0.009	0.008	0.008	0.009	0.009	0.022	1	0.021	1	9999	Si
512	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	1	0.009	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	2298	3107	8821	SLV 9	0.57	2474	1.666	13515	888883	962923	SLV 7	0.39	835	1.068	Si
35	2245	3107	8821	SLV 9	0.57	2474	1.666	13515	888883	962923	SLV 7	0.39	835	1.068	Si
70	1999	3107	8821	SLV 9	0.57	2474	1.666	44327	855163	962923	SLV 7	0.39	847	1.074	Si
105	1753	3107	8821	SLV 9	0.57	2474	1.666	117373	768605	962923	SLV 7	0.4	898	1.1	Si
141	1507	3107	8821	SLV 9	0.57	2474	1.666	181782	682061	962923	SLV 7	0.41	992	1.146	Si
158	1384	3107	8821	SLV 9	0.57	2474	1.666	210747	638796	962923	SLV 7	0.43	1067	1.18	Si
193	1138	3107	8821	SLV 9	0.57	2474	1.666	262201	552289	962923	SLV 7	0.46	1301	1.28	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
228	892	3107	8821	SLV 9	0.57	2474	1.666	305017	465826	962923	SLV 7	0.51	1731	1.439	Si
263	647	3107	8821	SLV 9	0.57	2474	1.666	339196	379449	962923	SLV 7	0.57	2474	1.666	Si
299	401	3107	8821	SLV 9	0.57	2474	1.666	364737	293269	962923	SLV 7	0.57	2474	1.666	Si
334	155	3107	8821	SLV 9	0.57	2474	1.666	381642	207739	962923	SLV 7	0.57	2474	1.666	Si
369	-91	-3107	-8821	SLV 7	0.57	2474	1.666	389910	125144	962923	SLV 11	0.57	2474	1.666	Si
404	-337	-3107	-8821	SLV 7	0.57	2474	1.666	369950	113659	962923	SLV 9	0.57	2474	1.666	Si
422	-460	-3107	-8821	SLV 7	0.57	2474	1.666	359379	156349	962923	SLV 9	0.57	2474	1.666	Si
457	-706	-3107	-8821	SLV 7	0.57	2474	1.666	331758	242395	962923	SLV 9	0.57	2474	1.666	Si
492	-952	-3107	-8821	SLV 7	0.57	2474	1.666	305660	306732	962923	SLV 9	0.57	2474	1.666	Si
512	-1093	-3107	-8821	SLV 7	0.57	2474	1.666	305660	306732	962923	SLV 9	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	2298	1090	8821	SLD 9	0.6	2474	4.193	13515	393078	962923	SLD 7	0.33	543	2.252	Si
35	2245	1090	8821	SLD 9	0.6	2474	4.193	13515	393078	962923	SLD 7	0.33	543	2.252	Si
70	1999	1090	8821	SLD 9	0.6	2474	4.193	44327	378165	962923	SLD 7	0.33	551	2.265	Si
105	1753	1090	8821	SLD 9	0.6	2474	4.193	117373	339883	962923	SLD 7	0.34	583	2.318	Si
141	1507	1090	8821	SLD 9	0.6	2474	4.193	181782	301607	962923	SLD 7	0.35	643	2.413	Si
158	1384	1090	8821	SLD 9	0.6	2474	4.193	210747	282473	962923	SLD 7	0.36	688	2.481	Si
193	1138	1090	8821	SLD 9	0.6	2474	4.193	262201	244213	962923	SLD 7	0.39	825	2.673	Si
228	892	1090	8821	SLD 9	0.6	2474	4.193	305017	205973	962923	SLD 7	0.43	1083	2.988	Si
263	647	1090	8821	SLD 9	0.6	2474	4.193	339196	167770	962923	SLD 7	0.49	1621	3.526	Si
299	401	1090	8821	SLD 9	0.6	2474	4.193	364737	129654	962923	SLD 7	0.6	2474	4.193	Si
334	155	1090	8821	SLD 9	0.6	2474	4.193	381642	91824	962923	SLD 7	0.6	2474	4.193	Si
369	-91	-1090	-8821	SLD 7	0.6	2474	4.193	389910	55291	962923	SLD 11	0.6	2474	4.193	Si
404	-337	-1090	-8821	SLD 7	0.6	2474	4.193	369950	50294	962923	SLD 9	0.6	2474	4.193	Si
422	-460	-1090	-8821	SLD 7	0.6	2474	4.193	359379	69179	962923	SLD 9	0.6	2474	4.193	Si
457	-706	-1090	-8821	SLD 7	0.6	2474	4.193	331758	107239	962923	SLD 9	0.6	2474	4.193	Si
492	-952	-1090	-8821	SLD 7	0.6	2474	4.193	308572	132906	962923	SLD 9	0.6	2474	4.193	Si
512	-1093	-1090	-8821	SLD 7	0.6	2474	4.193	305660	135694	962923	SLD 9	0.6	2474	4.193	Si

Campata 2 tra i fili ? - 18, sezione R 40x70, asta 1149

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	516977	SLU 36	447901	962923	0.078						Si
12	7.6	5.4	7.6	5.4	405467	SLU 36	402743	962923	0.078						Si
15	7.6	5.4	7.6	5.4	377843	SLU 36	377843	962923	0.078						Si
24	7.6	5.4	7.6	5.4	292638	SLU 36	377843	962923	0.078	142373	SLU 1	-58688	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	178489	SLU 36	377843	962923	0.078	68240	SLU 1	-155826	-962923	0.078	Si
48	7.6	5.4	7.6	5.4	74960	SLU 18	339471	962923	0.078	-18848	SLU 19	-256904	-962923	0.078	Si
54	7.6	5.4	7.6	5.4	26907	SLU 18	282835	962923	0.078	-66979	SLU 19	-312341	-962923	0.078	Si
66	7.6	5.4	7.6	5.4	-69960	SLU 18	168572	962923	0.078	-164231	SLU 19	-428158	-962923	0.078	Si
78	13.27	5.4	7.6	5.4	-156846	SLU 11	66682	963518	0.08	-266407	SLU 22	-551429	-1635781	0.091	Si
90	14.97	5.4	7.6	5.4						-379941	SLU 26	-677183	-1837715	0.095	Si
102	16.67	5.4	7.6	5.4						-499746	SLU 35	-804257	-2039408	0.1	Si
114	18.38	5.4	7.6	5.4						-624954	SLU 35	-932651	-2240869	0.105	Si
126	19.01	5.4	7.6	5.4						-751482	SLU 35	-1062365	-2315301	0.107	Si
132	19.01	5.4	7.6	5.4						-815241	SLU 35	-1117958	-2315301	0.107	Si
145	19.01	5.4	7.6	5.4						-943748	SLU 35	-1117958	-2315301	0.107	Si
157	19.01	5.4	7.6	5.4						-1073575	SLU 35	-1117958	-2315301	0.107	Si
161	19.01	5.4	7.6	5.4						-1117958	SLU 35	-1117958	-2315301	0.107	Si
169	19.01	5.4	7.6	5.4						-1204722	SLU 35	-1187260	-2315301	0.107	Si
181	19.01	5.4	7.6	5.4						-1337189	SLU 35	-1226681	-2315301	0.107	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	627184	SLV 9	614234	962923	0.078	-12862	SLV 7	-12862	-962923	0.078	Si
12	7.6	5.4	7.6	5.4	606086	SLV 9	605526	962923	0.078	-137166	SLV 7	-137166	-962923	0.078	Si
15	7.6	5.4	7.6	5.4	600725	SLV 9	600725	962923	0.078	-167882	SLV 7	-472839	-962923	0.078	Si
24	7.6	5.4	7.6	5.4	584004	SLV 9	600725	962923	0.078	-262516	SLV 7	-569378	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	560928	SLV 9	600725	962923	0.078	-388904	SLV 7	-698251	-962923	0.078	Si
48	7.6	5.4	7.6	5.4	536855	SLV 9	593245	962923	0.078	-516323	SLV 7	-828149	-962923	0.078	Si
54	7.6	5.4	7.6	5.4	524443	SLV 9	582038	962923	0.078	-580419	SLV 7	-893482	-962923	0.078	Si
66	7.6	5.4	7.6	5.4	498865	SLV 9	558877	962923	0.078	-709381	SLV 7	-1024915	-962923	0.078	No
78	13.27	5.4	7.6	5.4	472283	SLV 9	534717	963518	0.08	-839367	SLV 7	-1157368	-1635781	0.091	Si
90	14.97	5.4	7.6	5.4	444692	SLV 9	509555	963620	0.08	-970376	SLV 7	-1290842	-1837715	0.095	Si
102	16.67	5.4	7.6	5.4	416093	SLV 9	483389	963704	0.081	-1102408	SLV 7	-1425335	-2039408	0.1	Si
114	18.38	5.4	7.6	5.4	386484	SLV 9	456215	963773	0.081	-1235459	SLV 7	-1560848	-2240869	0.105	Si
126	19.01	5.4	7.6	5.4	355865	SLV 9	428034	963795	0.081	-1369531	SLV 7	-1697378	-2315301	0.107	Si
132	19.01	5.4	7.6	5.4	340176	SLV 9	413565	963795	0.081	-1436949	SLV 7	-1755777	-2315301	0.107	Si
145	19.01	5.4	7.6	5.4	308039	SLV 9	383869	963795	0.081	-1572549	SLV 7	-1755777	-2315301	0.107	Si
157	19.01	5.4	7.6	5.4	274890	SLV 9	353162	963795	0.081	-1709167	SLV 7	-1755777	-2315301	0.107	Si
161	19.01	5.4	7.6	5.4	263386	SLV 9	342516	963795	0.081	-1755777	SLV 7	-1755777	-2315301	0.107	Si
169	19.01	5.4	7.6	5.4	240729	SLV 9	240729	963795	0.081	-1846803	SLV 7	-1828555	-2315301	0.107	Si
181	19.01	5.4	7.6	5.4	205555	SLV 9	205555	963795	0.081	-1985457	SLV 7	-1869953	-2315301	0.107	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	448732	SLD 9	417918	962923	0.078						Si
12	7.6	5.4	7.6	5.4	398863	SLD 9	397624	962923	0.078						Si
15	7.6	5.4	7.6	5.4	386434	SLD 9	386434	962923	0.078	46409	SLD 7	-189030	-962923	0.078	Si
24	7.6	5.4	7.6	5.4	347993	SLD 9	386434	962923	0.078	-26505	SLD 7	-263830	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	296117	SLD 9	386434	962923	0.078	-124092	SLD 7	-363883	-962923	0.078	Si
48	7.6	5.4	7.6	5.4	243233	SLD 9	369151	962923	0.078	-222701	SLD 7	-464955	-962923	0.078	Si
54	7.6	5.4	7.6	5.4	216413	SLD 9	343546	962923	0.078	-272389	SLD 7	-515873	-962923	0.078	Si
66	7.6	5.4	7.6	5.4	162014	SLD 9	291584	962923	0.078	-372530	SLD 7	-618473	-962923	0.078	Si
78	13.27	5.4	7.6	5.4	106605	SLD 9	238613	963518	0.08	-473690	SLD 7	-722091	-1635781	0.091	Si
90	14.97	5.4	7.6	5.4	50184	SLD 9	184633	963620	0.08	-575868	SLD 7	-826726	-1837715	0.095	Si
102	16.67	5.4	7.6	5.4	-7250	SLD 9	129642	963704	0.081	-679065	SLD 7	-932379	-2039408	0.1	Si
114	18.38	5.4	7.6	5.4	-65696	SLD 9	73640	963773	0.081	-783279	SLD 7	-1039048	-2240869	0.105	Si
126	19.01	5.4	7.6	5.4	-125155	SLD 9	16625	963795	0.081	-888511	SLD 7	-1146734	-2315301	0.107	Si
132	19.01	5.4	7.6	5.4						-941508	SLD 7	-1192861	-2315301	0.107	Si
145	19.01	5.4	7.6	5.4						-1048265	SLD 7	-1192861	-2315301	0.107	Si
157	19.01	5.4	7.6	5.4						-1156038	SLD 7	-1192861	-2315301	0.107	Si
161	19.01	5.4	7.6	5.4						-1192861	SLD 7	-1192861	-2315301	0.107	Si
169	19.01	5.4	7.6	5.4						-1264828	SLD 7	-1250363	-2315301	0.107	Si
181	19.01	5.4	7.6	5.4						-1374634	SLD 7	-1283071	-2315301	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-9411	SLU 35	-9411	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-9520	SLU 35	-9520	-8821	-68363	0	-8821	1	Si
15	0.11	7.6	0	-9547	SLU 35	-9547	-8821	-68363	-12821	-12821	1	Si
24	0.11	7.6	0	-9630	SLU 35	-9630	-8821	-68363	-12821	-12821	1	Si
36	0.11	7.6	0	-9739	SLU 35	-9739	-8821	-68363	-12821	-12821	1	Si
48	0.11	7.6	0	-9849	SLU 35	-9849	-8821	-68363	-12821	-12821	1	Si
54	0.11	7.6	0	-9904	SLU 35	-9904	-8821	-68363	-12821	-12821	1	Si
66	0.11	7.6	0	-10013	SLU 35	-10013	-8821	-68363	-12821	-12821	1	Si
78	0.11	7.6	0	-10123	SLU 35	-10123	-8821	-68363	-12821	-12821	1	Si
90	0.11	7.6	0	-10232	SLU 35	-10232	-8821	-68363	-12821	-12821	1	Si
102	0.11	7.6	0	-10342	SLU 35	-10342	-8821	-68363	-12821	-12821	1	Si
114	0.11	7.6	0	-10452	SLU 35	-10452	-8821	-68363	-12821	-12821	1	Si
126	0.11	7.6	0	-10561	SLU 35	-10561	-8821	-68363	-12821	-12821	1	Si
132	0.11	7.6	0	-10616	SLU 35	-10616	-8821	-68363	-12821	-12821	1	Si
145	0.11	13.27	0	-10726	SLU 35	-10726	-10620	-68363	-12821	-12821	1	Si
157	0.11	14.97	0	-10835	SLU 35	-10835	-11056	-68363	-12821	-12821	1	Si
161	0.11	15.82	0	-10872	SLU 35	-10872	-11261	-68363	-12821	-12821	1	Si
169	0	16.67	0	-10945	SLU 35	-10945	-11460	-68363	0	-11460	1	Si
181	0	18.38	0	-11054	SLU 35	-11054	-11838	-68363	0	-11838	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-10293	SLV 7	-11411	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-10377	SLV 7	-11495	-8821	-68363	0	-8821	1	Si
15	0.11	7.6	0	-10398	SLV 7	-11516	-8821	-68363	-12821	-12821	1	Si
24	0.11	7.6	0	-10462	SLV 7	-11579	-8821	-68363	-12821	-12821	1	Si
36	0.11	7.6	0	-10546	SLV 7	-11664	-8821	-68363	-12821	-12821	1	Si
48	0.11	7.6	0	-10630	SLV 7	-11748	-8821	-68363	-12821	-12821	1	Si
54	0.11	7.6	0	-10672	SLV 7	-11790	-8821	-68363	-12821	-12821	1	Si
66	0.11	7.6	0	-10757	SLV 7	-11874	-8821	-68363	-12821	-12821	1	Si
78	0.11	7.6	0	-10841	SLV 7	-11959	-8821	-68363	-12821	-12821	1	Si
90	0.11	7.6	0	-10925	SLV 7	-12043	-8821	-68363	-12821	-12821	1	Si
102	0.11	7.6	0	-11010	SLV 7	-12127	-8821	-68363	-12821	-12821	1	Si
114	0.11	7.6	0	-11094	SLV 7	-12212	-8821	-68363	-12821	-12821	1	Si
126	0.11	7.6	0	-11178	SLV 7	-12296	-8821	-68363	-12821	-12821	1	Si
132	0.11	7.6	0	-11220	SLV 7	-12338	-8821	-68363	-12821	-12821	1	Si
145	0.11	13.27	0	-11305	SLV 7	-12422	-10620	-68363	-12821	-12821	1	Si
157	0.11	14.97	0	-11389	SLV 7	-12507	-11056	-68363	-12821	-12821	1	Si
161	0.11	15.82	0	-11418	SLV 7	-12535	-11261	-68363	-12821	-12821	1	Si
169	0	16.67	0	-11473	SLV 7	-12591	-11460	-68363	0	-11460	1	Si
181	0	18.38	0	-11558	SLV 7	-12675	-11838	-68363	0	-11838	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-7897	SLD 7	-7897	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-7981	SLD 7	-7981	-8821	-68363	0	-8821	1	Si
15	0.11	7.6	0	-8002	SLD 7	-8002	-8821	-68363	-12821	-12821	1	Si
24	0.11	7.6	0	-8065	SLD 7	-8065	-8821	-68363	-12821	-12821	1	Si
36	0.11	7.6	0	-8149	SLD 7	-8149	-8821	-68363	-12821	-12821	1	Si
48	0.11	7.6	0	-8234	SLD 7	-8234	-8821	-68363	-12821	-12821	1	Si
54	0.11	7.6	0	-8276	SLD 7	-8276	-8821	-68363	-12821	-12821	1	Si
66	0.11	7.6	0	-8360	SLD 7	-8360	-8821	-68363	-12821	-12821	1	Si
78	0.11	7.6	0	-8444	SLD 7	-8444	-8821	-68363	-12821	-12821	1	Si
90	0.11	7.6	0	-8529	SLD 7	-8529	-8821	-68363	-12821	-12821	1	Si
102	0.11	7.6	0	-8613	SLD 7	-8613	-8821	-68363	-12821	-12821	1	Si
114	0.11	7.6	0	-8697	SLD 7	-8697	-8821	-68363	-12821	-12821	1	Si
126	0.11	7.6	0	-8782	SLD 7	-8782	-8821	-68363	-12821	-12821	1	Si
132	0.11	7.6	0	-8824	SLD 7	-8824	-8821	-68363	-12821	-12821	1	Si
145	0.11	13.27	0	-8908	SLD 7	-8908	-10620	-68363	-12821	-12821	1	Si
157	0.11	14.97	0	-8992	SLD 7	-8992	-11056	-68363	-12821	-12821	1	Si
161	0.11	15.82	0	-9021	SLD 7	-9021	-11261	-68363	-12821	-12821	1	Si
169	0	16.67	0	-9077	SLD 7	-9077	-11460	-68363	0	-11460	1	Si
181	0	18.38	0	-9161	SLD 7	-9161	-11838	-68363	0	-11838	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	374310	9	322980	8.4	124.5	126.2	1837	307161	2	262169	11.8	93.4	0	+∞	Si
12	291432	9	289406	7.5	124.5	113.1	1837	234460	2	232681	10.4	93.4	0	+∞	Si
15	270894	9	270894	7.1	124.5	105.9	1837	216421	2	216421	9.7	93.4	0	+∞	Si
24	207538	9	270894	7.1	124.5	105.9	1837	160744	2	216421	9.7	93.4	0	+∞	Si
36	122630	9	270894	7.1	124.5	105.9	1837	86012	2	216421	9.7	93.4	0	+∞	Si
48	36706	9	242364	6.3	124.5	94.7	1837	10266	2	191358	8.6	93.4	0	+∞	Si
54	-37646	1	-234892	6.1	124.5	91.8	1837	-37646	1	-229337	10.3	93.4	0	+∞	Si
66	-116333	1	-326281	8.5	124.5	127.5	1837	-116333	1	-310474	13.9	93.4	0	+∞	Si
78	-198438	4	-418847	15.3	124.5	541	1837	-196035	1	-392626	14.4	93.4	0	+∞	Si
90	-288250	8	-512428	18	124.5	589.5	1837	-276752	1	-475794	16.7	93.4	0	+∞	Si
102	-380396	8	-607024	20.6	124.5	629.9	1837	-358485	1	-559977	19	93.4	0	+∞	Si
114	-473556	8	-702636	23.1	124.5	664.5	1837	-441232	1	-645175	21.2	93.4	0	+∞	Si
126	-567732	8	-799262	26	124.5	731.9	1837	-524995	1	-731389	23.8	93.4	0	+∞	Si
132	-615201	8	-840685	27.3	124.5	769.8	1837	-567257	1	-768381	25	93.4	0	+∞	Si
145	-710900	8	-840685	27.3	124.5	769.8	1837	-652543	1	-768381	25	93.4	0	+∞	Si
157	-807614	8	-840685	27.3	124.5	769.8	1837	-738844	1	-768381	25	93.4	0	+∞	Si
161	-840685	8	-840685	27.3	124.5	769.8	1837	-768381	1	-768381	25	93.4	0	+∞	Si
169	-905344	8	-892326	29	124.5	817.1	1837	-826160	1	-814511	26.5	93.4	0	+∞	Si
181	-1004088	8	-921700	30	124.5	844	1837	-914491	1	-840750	27.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
15	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
24	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	2	-0.002	2	9999	Si
36	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.003	2	9999	Si
48	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
54	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
66	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.006	2	9999	Si
78	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.007	2	9999	Si
90	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
102	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.008	2	-0.008	2	9999	Si
114	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
126	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
132	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.007	2	-0.008	2	9999	Si
145	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
157	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
161	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si
169	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	-6100	-5416	-12821	SLV 7	0.45	1227	1.25	216421	384303	962923	SLV 9	0.57	2474	1.666	Si
24	-6163	-5416	-12821	SLV 7	0.44	1196	1.237	-21399	-547979	-962923	SLV 7	0.57	2474	1.666	Si
36	-6248	-5416	-12821	SLV 7	0.44	1157	1.22	-98581	-599671	-962923	SLV 7	0.52	1827	1.472	Si
48	-6332	-5416	-12821	SLV 7	0.43	1118	1.203	-176778	-651372	-962923	SLV 7	0.44	1140	1.213	Si
54	-6374	-5416	-12821	SLV 7	0.43	1099	1.195	-216257	-677225	-962923	SLV 7	0.4	903	1.102	Si
66	-6458	-5416	-12821	SLV 7	0.42	1061	1.178	-295977	-728937	-962923	SLV 7	0.33	574	0.915	No
78	-6543	-5416	-12821	SLV 7	0.42	1024	1.161	-376712	-780656	-1635781	SLV 7	0.57	2468	1.665	Si
90	-6627	-5416	-12821	SLV 7	0.41	988	1.144	-458463	-832379	-1837715	SLV 7	0.57	2474	1.666	Si
102	-6711	-5416	-12821	SLV 7	0.41	955	1.128	-541229	-884107	-2039408	SLV 7	0.57	2474	1.666	Si
114	-6796	-5416	-12821	SLV 7	0.4	923	1.112	-625009	935838	963773	SLV 9	0.57	2474	1.666	Si
126	-6880	-5416	-12821	SLV 7	0.4	892	1.097	-709806	-987573	-2315301	SLV 7	0.57	2474	1.666	Si
132	-6922	-5416	-12821	SLV 7	0.39	876	1.089	-746195	-1009581	-2315301	SLV 7	0.55	2236	1.599	Si
145	-7006	-5416	-12821	SLV 7	0.39	846	1.073	-746195	-1009581	-2315301	SLV 7	0.55	2236	1.599	Si
157	-7091	-5416	-12821	SLV 7	0.38	817	1.058	-746195	-1009581	-2315301	SLV 7	0.55	2236	1.599	Si
161	-7119	-5416	-12821	SLV 7	0.38	807	1.053	-746195	-1009581	-2315301	SLV 7	0.55	2236	1.599	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	-6100	-1902	-12821	SLD 7	0.47	1418	3.337	216421	170013	962923	SLD 9	0.58	2474	4.193	Si
24	-6163	-1902	-12821	SLD 7	0.47	1382	3.302	-21399	-242431	-962923	SLD 7	0.51	1823	3.7	Si
36	-6248	-1902	-12821	SLD 7	0.46	1336	3.257	-98581	-265302	-962923	SLD 7	0.44	1143	3.055	Si
48	-6332	-1902	-12821	SLD 7	0.46	1292	3.212	-176778	-288177	-962923	SLD 7	0.37	730	2.542	Si
54	-6374	-1902	-12821	SLD 7	0.45	1269	3.189	-216257	-299616	-962923	SLD 7	0.34	586	2.323	Si
66	-6458	-1902	-12821	SLD 7	0.45	1226	3.144	-295977	-322496	-962923	SLD 7	0.28	384	1.953	Si
78	-6543	-1902	-12821	SLD 7	0.44	1183	3.098	-376712	-345378	-1635781	SLD 7	0.48	1538	3.45	Si
90	-6627	-1902	-12821	SLD 7	0.44	1142	3.054	-458463	-368263	-1837715	SLD 7	0.5	1654	3.555	Si
102	-6711	-1902	-12821	SLD 7	0.43	1100	3.007	-541229	-391150	-2039408	SLD 7	0.51	1756	3.643	Si
114	-6796	-1902	-12821	SLD 7	0.42	1059	2.961	-625009	414038	963773	SLD 9	0.51	1765	3.651	Si
126	-6880	-1902	-12821	SLD 7	0.42	1020	2.916	-709806	-436928	-2315301	SLD 7	0.49	1572	3.482	Si
132	-6922	-1902	-12821	SLD 7	0.42	1001	2.893	-746195	-446666	-2315301	SLD 7	0.47	1395	3.315	Si
145	-7006	-1902	-12821	SLD 7	0.41	964	2.849	-746195	-446666	-2315301	SLD 7	0.47	1395	3.315	Si
157	-7091	-1902	-12821	SLD 7	0.4	930	2.807	-746195	-446666	-2315301	SLD 7	0.47	1395	3.315	Si
161	-7119	-1902	-12821	SLD 7	0.4	918	2.792	-746195	-446666	-2315301	SLD 7	0.47	1395	3.315	Si

Campata 3 tra i fili 18 - 7, sezione R 40x70, asta 1150

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-951231	SLU 35	-897442	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-846911	SLU 35	-846911	-2315301	0.107	Si
45	18.58	5.4	7.6	5.4						-719909	SLU 35	-846911	-2264373	0.106	Si
68	15.37	5.4	7.6	5.4						-611470	SLU 35	-751563	-1885126	0.096	Si
91	12.17	5.4	7.6	5.4						-507845	SLU 35	-641764	-1504999	0.088	Si
102	7.6	5.4	7.6	5.4						-457838	SLU 35	-588670	-962923	0.078	Si
125	7.6	5.4	7.6	5.4						-361436	SLU 35	-486092	-962923	0.078	Si
147	7.6	5.4	7.6	5.4						-269847	SLU 35	-388329	-962923	0.078	Si
170	7.6	5.4	7.6	5.4						-183074	SLU 35	-295381	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	-46913	SLU 11	5222	962923	0.078	-102648	SLU 26	-207247	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	-6116	SLU 11	67774	962923	0.078	-27944	SLU 22	-124932	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	48361	SLU 35	133930	962923	0.078	25697	SLU 2	-48301	-962923	0.078	Si
249	7.6	5.4	7.6	5.4	82720	SLU 35	165202	962923	0.078	41918	SLU 2	-13560	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	147829	SLU 35	224136	962923	0.078						Si
295	7.6	5.4	7.6	5.4	208123	SLU 35	269704	962923	0.078						Si
320	7.6	5.4	7.6	5.4	269704	SLU 35	269704	962923	0.078						Si
340	7.6	5.4	7.6	5.4	314267	SLU 35	292532	962923	0.078						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-791094	SLV 5	-671591	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-733957	SLV 7	-733957	-2315301	0.107	Si
45	18.58	5.4	7.6	5.4						-672391	SLV 7	-733957	-2264373	0.106	Si
68	15.37	5.4	7.6	5.4						-626349	SLV 7	-687092	-1885126	0.096	Si
91	12.17	5.4	7.6	5.4	-38787	SLV 9	78748	963440	0.08	-587206	SLV 7	-638826	-1504999	0.088	Si
102	7.6	5.4	7.6	5.4	7428	SLV 9	123657	962923	0.078	-569911	SLV 7	-617490	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	98426	SLV 9	211615	962923	0.078	-539443	SLV 7	-579682	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	187113	SLV 9	296856	962923	0.078	-514072	SLV 7	-547675	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	273152	SLV 9	379175	962923	0.078	-493460	SLV 7	-520893	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	356318	SLV 9	458431	962923	0.078	-477381	SLV 7	-498956	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	436454	SLV 9	534523	962923	0.078	-465680	SLV 7	-481609	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	513451	SLV 9	607378	962923	0.078	-458247	SLV 7	-468681	-962923	0.078	Si
249	7.6	5.4	7.6	5.4	550747	SLV 9	642573	962923	0.078	-456105	SLV 7	-463834	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	622891	SLV 9	710467	962923	0.078	-454929	SLV 7	-459541	-962923	0.078	Si
295	7.6	5.4	7.6	5.4	691729	SLV 9	764622	962923	0.078	-457854	SLV 7	-466011	-962923	0.078	Si
320	7.6	5.4	7.6	5.4	764622	SLV 9	764622	962923	0.078	-466011	SLV 7	-466011	-962923	0.078	Si
340	7.6	5.4	7.6	5.4	819314	SLV 9	791630	962923	0.078	-475833	SLV 7	-469572	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-683917	SLD 5	-632073	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-620788	SLD 7	-620788	-2315301	0.107	Si
45	18.58	5.4	7.6	5.4						-547718	SLD 7	-620788	-2264373	0.106	Si
68	15.37	5.4	7.6	5.4						-488480	SLD 7	-565623	-1885126	0.096	Si
91	12.17	5.4	7.6	5.4						-434293	SLD 7	-504840	-1504999	0.088	Si
102	7.6	5.4	7.6	5.4						-408963	SLD 7	-476432	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	-79371	SLD 9	11040	962923	0.078	-361646	SLD 7	-423275	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	-8340	SLD 9	77873	962923	0.078	-318619	SLD 7	-374704	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
170	7.6	5.4	7.6	5.4	59434	SLD 9	141332	962923	0.078	-279742	SLD 7	-330477	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	123856	SLD 9	201361	962923	0.078	-244919	SLD 7	-290436	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	184860	SLD 9	257915	962923	0.078	-214085	SLD 7	-254473	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	242400	SLD 9	310966	962923	0.078	-187196	SLD 7	-222516	-962923	0.078	Si
249	7.6	5.4	7.6	5.4	269861	SLD 9	336169	962923	0.078	-175219	SLD 7	-208023	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	322146	SLD 9	383919	962923	0.078	-154184	SLD 7	-181986	-962923	0.078	Si
295	7.6	5.4	7.6	5.4	370899	SLD 9	421102	962923	0.078	-137023	SLD 7	-159852	-962923	0.078	Si
320	7.6	5.4	7.6	5.4	421102	SLD 9	421102	962923	0.078	-122491	SLD 7	-139693	-962923	0.078	Si
340	7.6	5.4	7.6	5.4	457731	SLD 9	439544	962923	0.078	-114250	SLD 7	-114250	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.37	0	5238	SLU 35	5238	11153	68363	0	11153	1	Si
20	0.06	13.77	0	5053	SLU 35	5053	10751	68363	7003	10751	1	Si
34	0.06	7.6	0	4924	SLU 35	4924	8821	68363	7003	8821	1	Si
45	0.06	7.6	0	4819	SLU 35	4819	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	4610	SLU 35	4610	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	4400	SLU 35	4400	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	4296	SLU 35	4296	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	4087	SLU 35	4087	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	3877	SLU 35	3877	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	3668	SLU 35	3668	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	3459	SLU 35	3459	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	3249	SLU 35	3249	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	3040	SLU 35	3040	8821	68363	7003	8821	1	Si
249	0.06	7.6	0	2935	SLU 35	2935	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	2726	SLU 35	2726	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	2517	SLU 35	2517	8821	68363	7003	8821	1	Si
320	0.06	7.6	0	2283	SLU 35	2283	8821	68363	7003	8821	1	Si
340	0	7.6	0	2098	SLU 35	2098	8821	68363	0	8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.37	0	5155	SLV 5	5599	11153	68363	0	11153	1	Si
20	0.06	13.77	0	5013	SLV 5	5457	10751	68363	7003	10751	1	Si
34	0.06	7.6	0	4913	SLV 5	5358	8821	68363	7003	8821	1	Si
45	0.06	7.6	0	4833	SLV 5	5277	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	4672	SLV 5	5116	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	4511	SLV 5	4955	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	4430	SLV 5	4875	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	4269	SLV 5	4714	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	4108	SLV 5	4553	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	3947	SLV 5	4392	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	3786	SLV 5	4231	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	367	SLV 11	-77	-8821	-68363	-7003	-8821	1	Si
215	0.06	7.6	0	3625	SLV 5	4070	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	206	SLV 11	-238	-8821	-68363	-7003	-8821	1	Si
238	0.06	7.6	0	3464	SLV 5	3909	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	45	SLV 11	-399	-8821	-68363	-7003	-8821	1	Si
249	0.06	7.6	0	3384	SLV 5	3828	8821	68363	7003	8821	1	Si
249	0.06	7.6	0	-35	SLV 11	-480	-8821	-68363	-7003	-8821	1	Si
272	0.06	7.6	0	3223	SLV 5	3667	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	-196	SLV 11	-641	-8821	-68363	-7003	-8821	1	Si
295	0.06	7.6	0	3062	SLV 5	3506	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	-357	SLV 11	-802	-8821	-68363	-7003	-8821	1	Si
320	0.06	7.6	0	2882	SLV 5	3326	8821	68363	7003	8821	1	Si
320	0.06	7.6	0	-537	SLV 11	-982	-8821	-68363	-7003	-8821	1	Si
340	0	7.6	0	2740	SLV 5	3184	8821	68363	0	8821	1	Si
340	0	7.6	0	-679	SLV 11	-1124	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.37	0	4197	SLD 5	4197	11153	68363	0	11153	1	Si
20	0.06	13.77	0	4055	SLD 5	4055	10751	68363	7003	10751	1	Si
34	0.06	7.6	0	3956	SLD 5	3956	8821	68363	7003	8821	1	Si
45	0.06	7.6	0	3875	SLD 5	3875	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	3714	SLD 5	3714	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	3553	SLD 5	3553	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	3472	SLD 5	3472	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	3311	SLD 5	3311	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	3150	SLD 5	3150	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	2989	SLD 5	2989	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	2828	SLD 5	2828	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	2667	SLD 5	2667	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	2506	SLD 5	2506	8821	68363	7003	8821	1	Si
249	0.06	7.6	0	2426	SLD 5	2426	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	2265	SLD 5	2265	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	2104	SLD 5	2104	8821	68363	7003	8821	1	Si
320	0.06	7.6	0	1924	SLD 5	1924	8821	68363	7003	8821	1	Si
340	0	7.6	0	1782	SLD 5	1782	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-717456	8	-676784	22	124.5	619.7	1837	-645324	1	-608029	19.8	93.4	0	+∞	Si
20	-638598	8	-638598	20.8	124.5	584.8	1837	-573123	1	-573123	18.6	93.4	0	+∞	Si
45	-542661	8	-638598	20.9	124.5	597.7	1837	-485618	1	-573123	18.8	93.4	0	+∞	Si
68	-460819	8	-566566	19.7	124.5	635.5	1837	-411320	1	-507392	17.7	93.4	0	+∞	Si
91	-382680	8	-483678	18.3	124.5	679	1837	-340725	1	-432048	16.3	93.4	0	+∞	Si
102	-344999	8	-443622	11.6	124.5	173.4	1837	-306817	1	-395764	17.8	93.4	0	+∞	Si
125	-272416	8	-366289	9.5	124.5	143.2	1837	-241778	1	-325975	14.6	93.4	0	+∞	Si
147	-203536	8	-292659	7.6	124.5	114.4	1837	-180442	1	-259890	11.7	93.4	0	+∞	Si
170	-138359	8	-222733	5.8	124.5	87.1	1837	-122809	1	-197508	8.9	93.4	0	+∞	Si
193	-76886	8	-156510	4.1	124.5	61.2	1837	-68880	1	-138829	6.2	93.4	0	+∞	Si
215	-19495	4	-93990	2.4	124.5	36.7	1837	-18655	1	-83854	3.8	93.4	0	+∞	Si
238	34950	8	98756	2.6	124.5	38.6	1837	27867	1	81997	3.7	93.4	0	+∞	Si
249	60595	8	122025	3.2	124.5	47.7	1837	49739	1	101494	4.6	93.4	0	+∞	Si
272	109106	8	165787	4.3	124.5	64.8	1837	90706	1	137711	6.2	93.4	0	+∞	Si
295	153913	8	199526	5.2	124.5	78	1837	127969	1	165150	7.4	93.4	0	+∞	Si
320	199526	8	199526	5.2	124.5	78	1837	165150	1	165150	7.4	93.4	0	+∞	Si
340	232418	8	216402	5.6	124.5	84.6	1837	191385	1	178746	8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	2	-0.006	2	9999	Si
45	-0.004	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.01	2	-0.011	2	9999	Si
68	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.013	2	-0.014	2	9999	Si
91	-0.006	-0.008	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.015	2	-0.016	2	9999	Si
102	-0.006	-0.008	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.007	-0.007	-0.015	2	-0.017	2	9999	Si
113	-0.006	-0.008	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.007	-0.007	-0.015	2	-0.017	2	9999	Si
125	-0.006	-0.008	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.007	-0.007	-0.015	2	-0.017	2	9999	Si
147	-0.006	-0.007	-0.005	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.014	2	-0.016	2	9999	Si
170	-0.005	-0.007	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.013	2	-0.014	2	9999	Si
193	-0.004	-0.006	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	2	-0.012	2	9999	Si
215	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.009	2	-0.01	2	9999	Si
238	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
249	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.006	2	-0.006	2	9999	Si
272	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.004	2	-0.004	2	9999	Si
295	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
320	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	3303	2154	10751	SLV 5	0.57	2474	1.666	-531967	201991	963795	SLV 9	0.57	2474	1.666	Si
45	3123	2154	8821	SLV 5	0.57	2474	1.666	-360296	254546	963780	SLV 9	0.57	2474	1.666	Si
68	2962	2154	8821	SLV 5	0.57	2474	1.666	-295055	282379	963640	SLV 9	0.57	2474	1.666	Si
91	2801	2154	8821	SLV 5	0.57	2474	1.666	-233517	312264	963440	SLV 9	0.57	2474	1.666	Si
102	2721	2154	8821	SLV 5	0.57	2474	1.666	-204136	-327793	-962923	SLV 7	0.57	2474	1.666	Si
125	2560	2154	8821	SLV 5	0.57	2474	1.666	-148153	-359768	-962923	SLV 7	0.57	2474	1.666	Si
147	2399	2154	8821	SLV 5	0.57	2474	1.666	-95874	-392730	-962923	SLV 7	0.57	2474	1.666	Si
170	2238	2154	8821	SLV 5	0.57	2474	1.666	-47298	-426473	-962923	SLV 7	0.57	2474	1.666	Si
193	2077	2154	8821	SLV 5	0.57	2474	1.666	-2426	-460856	-962923	SLV 7	0.57	2474	1.666	Si
215	1916	2154	8821	SLV 5	0.57	2474	1.666	38743	495780	962923	SLV 9	0.57	2474	1.666	Si
238	1755	2154	8821	SLV 5	0.57	2474	1.666	76209	531169	962923	SLV 9	0.57	2474	1.666	Si
249	1674	2154	8821	SLV 5	0.57	2474	1.666	93553	549020	962923	SLV 9	0.56	2350	1.632	Si
272	1513	2154	8821	SLV 5	0.57	2474	1.666	125463	585004	962923	SLV 9	0.51	1794	1.461	Si
295	1352	2154	8821	SLV 5	0.57	2474	1.666	149305	615316	962923	SLV 9	0.47	1451	1.339	Si
320	1172	2154	8821	SLV 5	0.57	2474	1.666	149305	615316	962923	SLV 9	0.47	1451	1.339	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	3303	752	10751	SLD 5	0.6	2474	4.193	-531967	88821	963795	SLD 9	0.6	2474	4.193	Si
45	3123	752	8821	SLD 5	0.6	2474	4.193	-360296	112535	963780	SLD 9	0.6	2474	4.193	Si
68	2962	752	8821	SLD 5	0.6	2474	4.193	-295055	124927	963640	SLD 9	0.6	2474	4.193	Si
91	2801	752	8821	SLD 5	0.6	2474	4.193	-233517	138183	963440	SLD 9	0.6	2474	4.193	Si
102	2721	752	8821	SLD 5	0.6	2474	4.193	-204136	-145058	-962923	SLD 7	0.6	2474	4.193	Si
125	2560	752	8821	SLD 5	0.6	2474	4.193	-148153	-159194	-962923	SLD 7	0.6	2474	4.193	Si
147	2399	752	8821	SLD 5	0.6	2474	4.193	-95874	-173747	-962923	SLD 7	0.6	2474	4.193	Si
170	2238	752	8821	SLD 5	0.6	2474	4.193	-47298	-188630	-962923	SLD 7	0.6	2474	4.193	Si
193	2077	752	8821	SLD 5	0.6	2474	4.193	-2426	-203786	-962923	SLD 7	0.6	2474	4.193	Si
215	1916	752	8821	SLD 5	0.6	2474	4.193	38743	219172	962923	SLD 9	0.56	2272	4.049	Si
238	1755	752	8821	SLD 5	0.6	2474	4.193	76209	234757	962923	SLD 9	0.5	1692	3.588	Si
249	1674	752	8821	SLD 5	0.6	2474	4.193	93553	242616	962923	SLD 9	0.48	1470	3.387	Si
272	1513	752	8821	SLD 5	0.6	2474	4.193	125463	258456	962923	SLD 9	0.43	1125	3.035	Si
295	1352	752	8821	SLD 5	0.6	2474	4.193	149305	271796	962923	SLD 9	0.4	915	2.789	Si
320	1172	752	8821	SLD 5	0.6	2474	4.193	149305	271796	962923	SLD 9	0.4	915	2.789	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 42-8

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 42 - ?, sezione R 40x70, asta 1143

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	664493	SLU 36	618378	1414576	0.086						Si
18	7.6	5.4	11.4	5.4	601469	SLU 36	596348	1414576	0.086						Si
28	7.6	5.4	11.4	5.4	568822	SLU 36	568822	1414576	0.086						Si
37	7.6	5.4	11.4	5.4	535385	SLU 36	568822	1414576	0.086						Si
55	7.6	5.4	10.94	5.4	466242	SLU 36	568822	1358990	0.085						Si
73	7.6	5.4	9.7	5.4	397302	SLU 35	507038	1212337	0.083						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
83	7.6	5.4	7.6	5.4	362261	SLU 35	472214	962923	0.078						Si
101	7.6	5.4	7.6	5.4	289885	SLU 35	403158	962923	0.078						Si
119	7.6	5.4	7.6	5.4	214449	SLU 35	332573	962923	0.078						Si
138	7.6	5.4	7.6	5.4	135954	SLU 35	258929	962923	0.078	52104	SLU 2	-56619	-962923	0.078	Si
156	7.6	5.4	7.6	5.4	54399	SLU 35	182225	962923	0.078	-12379	SLU 2	-142756	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	-17730	SLU 17	102461	962923	0.078	-91700	SLU 20	-237425	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	-84716	SLU 6	22086	962923	0.078	-181577	SLU 30	-335152	-962923	0.078	Si
211	7.6	5.4	7.6	5.4						-277514	SLU 30	-435939	-962923	0.078	Si
220	7.6	5.4	7.6	5.4						-326629	SLU 30	-487480	-962923	0.078	Si
238	7.6	5.4	7.6	5.4						-427155	SLU 30	-521268	-962923	0.078	Si
255	7.6	5.4	7.6	5.4						-521268	SLU 30	-521268	-962923	0.078	Si
257	7.6	5.4	7.6	5.4						-530740	SLU 30	-530388	-962923	0.078	Si
275	7.6	5.4	7.6	5.4						-637385	SLU 30	-578445	-962923	0.078	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	1287452	SLV 7	1195988	1414576	0.086	-371797	SLV 9	-344556	-963377	0.08	Si
18	7.6	5.4	11.4	5.4	1164164	SLV 7	1154061	1414576	0.086	-336504	SLV 9	-333533	-963377	0.08	Si
28	7.6	5.4	11.4	5.4	1101676	SLV 7	1101676	1414576	0.086	-319761	SLV 9	-319761	-963377	0.08	Si
37	7.6	5.4	11.4	5.4	1038564	SLV 7	1101676	1414576	0.086	-303605	SLV 9	-319761	-963377	0.08	Si
55	7.6	5.4	10.94	5.4	910675	SLV 7	1101676	1358990	0.085	-273125	SLV 9	-319761	-963336	0.079	Si
73	7.6	5.4	9.7	5.4	780548	SLV 7	985781	1212337	0.083	-245112	SLV 9	-290716	-963210	0.079	Si
83	7.6	5.4	7.6	5.4	714677	SLV 7	921649	962923	0.078	-232064	SLV 9	-275677	-962923	0.078	Si
101	7.6	5.4	7.6	5.4	581477	SLV 7	791712	962923	0.078	-208039	SLV 9	-247452	-962923	0.078	Si
119	7.6	5.4	7.6	5.4	447022	SLV 7	659643	962923	0.078	-187467	SLV 9	-221803	-962923	0.078	Si
138	7.6	5.4	7.6	5.4	314455	SLV 11	525784	962923	0.078	-173488	SLV 5	-199070	-962923	0.078	Si
156	7.6	5.4	7.6	5.4	187143	SLV 11	387511	962923	0.078	-169472	SLV 5	-195978	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	61326	SLV 11	261299	962923	0.078	-171657	SLV 5	-284174	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	-15153	SLV 15	134957	962923	0.078	-227887	SLV 1	-401575	-962923	0.078	Si
211	7.6	5.4	7.6	5.4	-48914	SLV 13	18311	962923	0.078	-331542	SLV 3	-523941	-962923	0.078	Si
220	7.6	5.4	7.6	5.4						-391207	SLV 3	-593346	-962923	0.078	Si
238	7.6	5.4	7.6	5.4						-513326	SLV 3	-643230	-962923	0.078	Si
255	7.6	5.4	7.6	5.4						-643230	SLV 7	-643230	-962923	0.078	Si
257	7.6	5.4	7.6	5.4						-657214	SLV 7	-656711	-962923	0.078	Si
275	7.6	5.4	7.6	5.4						-813213	SLV 7	-727748	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	824461	SLD 7	766125	1414576	0.086						Si
18	7.6	5.4	11.4	5.4	745431	SLD 7	738976	1414576	0.086						Si
28	7.6	5.4	11.4	5.4	705055	SLD 7	705055	1414576	0.086						Si
37	7.6	5.4	11.4	5.4	664065	SLD 7	705055	1414576	0.086						Si
55	7.6	5.4	10.94	5.4	580374	SLD 7	705055	1358990	0.085						Si
73	7.6	5.4	9.7	5.4	494381	SLD 7	629610	1212337	0.083						Si
83	7.6	5.4	7.6	5.4	450535	SLD 7	587574	962923	0.078	32078	SLD 9	-730	-962923	0.078	Si
101	7.6	5.4	7.6	5.4	361213	SLD 7	501777	962923	0.078	12224	SLD 9	-25653	-962923	0.078	Si
119	7.6	5.4	7.6	5.4	270024	SLD 7	413724	962923	0.078	-10468	SLD 9	-55979	-962923	0.078	Si
138	7.6	5.4	7.6	5.4	178356	SLD 11	323566	962923	0.078	-37389	SLD 5	-91143	-962923	0.078	Si
156	7.6	5.4	7.6	5.4	87700	SLD 11	230143	962923	0.078	-70029	SLD 5	-138995	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	-3619	SLD 11	140743	962923	0.078	-106712	SLD 5	-215724	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	-74466	SLD 15	49968	962923	0.078	-168574	SLD 1	-306745	-962923	0.078	Si
211	7.6	5.4	7.6	5.4						-252701	SLD 3	-401266	-962923	0.078	Si
220	7.6	5.4	7.6	5.4						-298746	SLD 3	-452456	-962923	0.078	Si
238	7.6	5.4	7.6	5.4						-393046	SLD 3	-488086	-962923	0.078	Si
255	7.6	5.4	7.6	5.4						-488086	SLD 7	-488086	-962923	0.078	Si
257	7.6	5.4	7.6	5.4						-498074	SLD 7	-497711	-962923	0.078	Si
275	7.6	5.4	7.6	5.4						-609950	SLD 7	-548428	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.32	0	-3438	SLU 32	-3438	-9766	-68363	0	-9766	1	Si
18	0	7.6	0	-3604	SLU 32	-3604	-8821	-68363	0	-8821	1	Si
28	0.072	7.6	0	-3688	SLU 32	-3688	-8821	-68363	-8336	-8821	1	Si
37	0.072	7.6	0	-3771	SLU 32	-3771	-8821	-68363	-8336	-8821	1	Si
55	0.072	7.6	0	-3938	SLU 32	-3938	-8821	-68363	-8336	-8821	1	Si
73	0.072	7.6	0	-4105	SLU 32	-4105	-8821	-68363	-8336	-8821	1	Si
83	0.072	7.6	0	-4188	SLU 32	-4188	-8821	-68363	-8336	-8821	1	Si
101	0.08	7.6	0	-4355	SLU 32	-4355	-8821	-68363	-9333	-9333	1	Si
119	0.08	7.6	0	-4522	SLU 32	-4522	-8821	-68363	-9333	-9333	1	Si
138	0.08	7.6	0	-4689	SLU 32	-4689	-8821	-68363	-9333	-9333	1	Si
156	0.08	7.6	0	-4856	SLU 32	-4856	-8821	-68363	-9333	-9333	1	Si
174	0.08	7.6	0	-5023	SLU 32	-5023	-8821	-68363	-9333	-9333	1	Si
193	0.086	7.6	0	-5190	SLU 32	-5190	-8821	-68363	-10004	-10004	1	Si
211	0.086	7.6	0	-5356	SLU 32	-5356	-8821	-68363	-10004	-10004	1	Si
220	0.086	7.6	0	-5440	SLU 32	-5440	-8821	-68363	-10004	-10004	1	Si
238	0.086	7.6	0	-5607	SLU 32	-5607	-8821	-68363	-10004	-10004	1	Si
255	0.086	7.6	0	-5758	SLU 32	-5758	-8821	-68363	-10004	-10004	1	Si
257	0	7.6	0	-5774	SLU 32	-5774	-8821	-68363	0	-8821	1	Si
275	0	7.6	0	-5940	SLU 32	-5940	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1996	SLV 9	3122	8821	68363	0	8821	1	Si
0	0	10.32	0	-6667	SLV 7	-7793	-9766	-68363	0	-9766	1	Si
18	0	7.6	0	1867	SLV 9	2994	8821	68363	0	8821	1	Si
18	0	7.6	0	-6795	SLV 7	-7921	-8821	-68363	0	-8821	1	Si
28	0.072	7.6	0	1803	SLV 9	2929	8821	68363	8336	8821	1	Si
28	0.072	7.6	0	-6859	SLV 7	-7985	-8821	-68363	-8336	-8821	1	Si
37	0.072	7.6	0	1739	SLV 9	2865	8821	68363	8336	8821	1	Si
37	0.072	7.6	0	-6923	SLV 7	-8049	-8821	-68363	-8336	-8821	1	Si
55	0.072	7.6	0	1611	SLV 9	2737	8821	68363	8336	8821	1	Si
55	0.072	7.6	0	-7052	SLV 7	-8178	-8821	-68363	-8336	-8821	1	Si
73	0.072	7.6	0	1482	SLV 9	2609	8821	68363	8336	8821	1	Si
73	0.072	7.6	0	-7180	SLV 7	-8306	-8821	-68363	-8336	-8821	1	Si
83	0.072	7.6	0	1418	SLV 9	2544	8821	68363	8336	8821	1	Si
83	0.072	7.6	0	-7244	SLV 7	-8370	-8821	-68363	-8336	-8821	1	Si
101	0.08	7.6	0	1290	SLV 9	2416	8821	68363	9333	9333	1	Si
101	0.08	7.6	0	-7372	SLV 7	-8499	-8821	-68363	-9333	-9333	1	Si
119	0.08	7.6	0	1162	SLV 9	2288	8821	68363	9333	9333	1	Si
119	0.08	7.6	0	-7501	SLV 7	-8627	-8821	-68363	-9333	-9333	1	Si
138	0.08	7.6	0	1033	SLV 9	2159	8821	68363	9333	9333	1	Si
138	0.08	7.6	0	-7629	SLV 7	-8755	-8821	-68363	-9333	-9333	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
156	0.08	7.6	0	905	SLV 9	2031	8821	68363	9333	9333	1	Si
156	0.08	7.6	0	-7758	SLV 7	-8884	-8821	-68363	-9333	-9333	1	Si
174	0.08	7.6	0	776	SLV 9	1903	8821	68363	9333	9333	1	Si
174	0.08	7.6	0	-7886	SLV 7	-9012	-8821	-68363	-9333	-9333	1	Si
193	0.086	7.6	0	648	SLV 9	1774	8821	68363	10004	10004	1	Si
193	0.086	7.6	0	-8014	SLV 7	-9140	-8821	-68363	-10004	-10004	1	Si
211	0.086	7.6	0	520	SLV 9	1646	8821	68363	10004	10004	1	Si
211	0.086	7.6	0	-8143	SLV 7	-9269	-8821	-68363	-10004	-10004	1	Si
220	0.086	7.6	0	456	SLV 9	1582	8821	68363	10004	10004	1	Si
220	0.086	7.6	0	-8207	SLV 7	-9333	-8821	-68363	-10004	-10004	1	Si
238	0.086	7.6	0	327	SLV 9	1453	8821	68363	10004	10004	1	Si
238	0.086	7.6	0	-8335	SLV 7	-9461	-8821	-68363	-10004	-10004	1	Si
255	0.086	7.6	0	211	SLV 9	1337	8821	68363	10004	10004	1	Si
255	0.086	7.6	0	-8452	SLV 7	-9578	-8821	-68363	-10004	-10004	1	Si
257	0	7.6	0	199	SLV 9	1325	8821	68363	0	8821	1	Si
257	0	7.6	0	-8463	SLV 7	-9590	-8821	-68363	0	-8821	1	Si
275	0	7.6	0	71	SLV 9	1197	8821	68363	0	8821	1	Si
275	0	7.6	0	-8592	SLV 7	-9718	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.32	0	-4249	SLD 7	-4249	-9766	-68363	0	-9766	1	Si
18	0	7.6	0	-4377	SLD 7	-4377	-8821	-68363	0	-8821	1	Si
28	0.072	7.6	0	-4441	SLD 7	-4441	-8821	-68363	-8336	-8821	1	Si
37	0.072	7.6	0	-4506	SLD 7	-4506	-8821	-68363	-8336	-8821	1	Si
55	0.072	7.6	0	-4634	SLD 7	-4634	-8821	-68363	-8336	-8821	1	Si
73	0.072	7.6	0	-4762	SLD 7	-4762	-8821	-68363	-8336	-8821	1	Si
83	0.072	7.6	0	-4827	SLD 7	-4827	-8821	-68363	-8336	-8821	1	Si
101	0.08	7.6	0	-4955	SLD 7	-4955	-8821	-68363	-9333	-9333	1	Si
119	0.08	7.6	0	-5083	SLD 7	-5083	-8821	-68363	-9333	-9333	1	Si
138	0.08	7.6	0	-5212	SLD 7	-5212	-8821	-68363	-9333	-9333	1	Si
156	0.08	7.6	0	-5340	SLD 7	-5340	-8821	-68363	-9333	-9333	1	Si
174	0.08	7.6	0	-5468	SLD 7	-5468	-8821	-68363	-9333	-9333	1	Si
193	0.086	7.6	0	-5597	SLD 7	-5597	-8821	-68363	-10004	-10004	1	Si
211	0.086	7.6	0	-5725	SLD 7	-5725	-8821	-68363	-10004	-10004	1	Si
220	0.086	7.6	0	-5789	SLD 7	-5789	-8821	-68363	-10004	-10004	1	Si
238	0.086	7.6	0	-5918	SLD 7	-5918	-8821	-68363	-10004	-10004	1	Si
255	0.086	7.6	0	-6034	SLD 7	-6034	-8821	-68363	-10004	-10004	1	Si
257	0	7.6	0	-6046	SLD 7	-6046	-8821	-68363	0	-8821	1	Si
275	0	7.6	0	-6174	SLD 7	-6174	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	496637	9	462339	17.9	124.5	690.7	1837	457827	2	425716	16.4	93.4	0	+∞	Si
18	449724	9	445915	17.2	124.5	666.2	1837	413830	2	410264	15.8	93.4	0	+∞	Si
28	425394	9	425394	16.4	124.5	635.5	1837	390958	2	390958	15.1	93.4	0	+∞	Si
37	400457	9	425394	16.4	124.5	635.5	1837	367479	2	390958	15.1	93.4	0	+∞	Si
55	348837	9	425394	16.7	124.5	661.7	1837	318775	2	390958	15.3	93.4	0	+∞	Si
73	297039	8	379301	15.5	124.5	662.3	1837	269582	1	347532	14.2	93.4	0	+∞	Si
83	270641	8	353297	9.2	124.5	138.1	1837	244432	1	322986	14.5	93.4	0	+∞	Si
101	216081	8	301449	7.9	124.5	117.8	1837	192368	1	273779	12.3	93.4	0	+∞	Si
119	159168	8	248266	6.5	124.5	97	1837	137950	1	223092	10	93.4	0	+∞	Si
138	99902	8	192731	5	124.5	75.3	1837	81178	1	170052	7.6	93.4	0	+∞	Si
156	38282	8	134842	3.5	124.5	52.7	1837	22054	1	114658	5.1	93.4	0	+∞	Si
174	-65659	2	-176473	4.6	124.5	69	1837	-55165	2	-161500	7.2	93.4	0	+∞	Si
193	-134478	3	-250000	6.5	124.5	97.7	1837	-121520	2	-231585	10.4	93.4	0	+∞	Si
211	-206628	3	-325881	8.5	124.5	127.4	1837	-190228	2	-304025	13.6	93.4	0	+∞	Si
220	-243585	3	-364703	9.5	124.5	142.6	1837	-225464	2	-341127	15.3	93.4	0	+∞	Si
238	-319264	3	-390161	10.2	124.5	152.5	1837	-297702	2	-365470	16.4	93.4	0	+∞	Si
255	-390161	3	-390161	10.2	124.5	152.5	1837	-365470	2	-365470	16.4	93.4	0	+∞	Si
257	-397297	3	-397033	10.3	124.5	155.2	1837	-372294	2	-372042	16.7	93.4	0	+∞	Si
275	-477683	3	-433244	11.3	124.5	169.3	1837	-449238	2	-406676	18.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
28	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
37	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si
55	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	1	0.006	1	9999	Si
73	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.007	1	0.007	1	9999	Si
83	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.007	1	0.007	1	9999	Si
101	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	1	0.006	1	9999	Si
119	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	1	0.005	1	9999	Si
138	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.005	1	0.004	1	9999	Si
156	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	1	0.003	1	9999	Si
174	0.001	0	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	1	0.001	1	9999	Si
193	0.001	0	0.001	0	0	0	0	0	0	0	0.001	1	0	1	9999	Si
211	0	-0.001	0	-0.001	0	0	0	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
220	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	1	-0.002	1	9999	Si
238	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
255	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	1	-0.001	1	9999	Si
257	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	1	-0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	-2528	-5457	-8821	SLV 7	0.42	1010	1.154	390958	710718	1414576	SLV 7	0.51	1824	1.471	Si
37	-2592	-5457	-8821	SLV 7	0.41	983	1.141	390958	710718	1414576	SLV 7	0.51	1824	1.471	Si
55	-2720	-5457	-8821	SLV 7	0.41	934	1.118	390958	710718	1358990	SLV 7	0.49	1571	1.383	Si
73	-2849	-5457	-8821	SLV 7	0.4	886	1.094	347532	638249	1212337	SLV 7	0.49	1549	1.375	Si
83	-2913	-5457	-8821	SLV 7	0.39	863	1.082	322986	598663	962923	SLV 7	0.39	837	1.069	Si
101	-3041	-5457	-9333	SLV 7	0.42	1009	1.154	272130	519582	962923	SLV 7	0.48	1472	1.347	Si
119	-3170	-5457	-9333	SLV 7	0.41	957	1.129	218920	440723	962923	SLV 7	0.57	2474	1.666	Si
138	-3298	-5457	-9333	SLV 7	0.4	909	1.105	163357	362427	962923	SLV 7	0.57	2474	1.666	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
156	-3426	-5457	-9333	SLV 7	0.39	863	1.082	105440	282071	962923	SLV 11	0.57	2474	1.666	Si
174	-3555	-5457	-9333	SLV 7	0.38	818	1.059	45170	216129	962923	SLV 11	0.57	2474	1.666	Si
193	-3683	-5457	-10004	SLV 7	0.42	1022	1.16	-231585	-169990	-962923	SLV 3	0.57	2474	1.666	Si
211	-3811	-5457	-10004	SLV 7	0.41	968	1.134	-304025	-219916	-962923	SLV 3	0.57	2474	1.666	Si
220	-3876	-5457	-10004	SLV 7	0.41	944	1.123	-341127	-252219	-962923	SLV 7	0.57	2474	1.666	Si
238	-4004	-5457	-10004	SLV 7	0.4	896	1.099	-365470	-277761	-962923	SLV 7	0.57	2474	1.666	Si
255	-4121	-5457	-10004	SLV 7	0.39	855	1.078	-365470	-277761	-962923	SLV 7	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	-2528	-1914	-8821	SLD 7	0.44	1171	3.086	390958	314097	1414576	SLD 7	0.44	1143	3.055	Si
37	-2592	-1914	-8821	SLD 7	0.44	1139	3.051	390958	314097	1414576	SLD 7	0.44	1143	3.055	Si
55	-2720	-1914	-8821	SLD 7	0.43	1077	2.981	390958	314097	1358990	SLD 7	0.41	983	2.872	Si
73	-2849	-1914	-8821	SLD 7	0.42	1017	2.912	347532	282078	1212337	SLD 7	0.41	970	2.856	Si
83	-2913	-1914	-8821	SLD 7	0.41	988	2.878	322986	264587	962923	SLD 7	0.33	545	2.255	Si
101	-3041	-1914	-9333	SLD 7	0.44	1171	3.086	272130	229647	962923	SLD 7	0.4	925	2.801	Si
119	-3170	-1914	-9333	SLD 7	0.43	1108	3.016	218920	194804	962923	SLD 7	0.51	1743	3.632	Si
138	-3298	-1914	-9333	SLD 7	0.42	1046	2.946	163357	160210	962923	SLD 7	0.6	2474	4.193	Si
156	-3426	-1914	-9333	SLD 7	0.41	987	2.877	105440	124703	962923	SLD 11	0.6	2474	4.193	Si
174	-3555	-1914	-9333	SLD 7	0.41	934	2.812	45170	95573	962923	SLD 11	0.6	2474	4.193	Si
193	-3683	-1914	-10004	SLD 7	0.44	1184	3.1	-231585	-75160	-962923	SLD 3	0.6	2474	4.193	Si
211	-3811	-1914	-10004	SLD 7	0.43	1122	3.032	-304025	-97242	-962923	SLD 3	0.6	2474	4.193	Si
220	-3876	-1914	-10004	SLD 7	0.43	1091	2.997	-341127	-111330	-962923	SLD 7	0.6	2474	4.193	Si
238	-4004	-1914	-10004	SLD 7	0.42	1030	2.927	-365470	-122616	-962923	SLD 7	0.6	2474	4.193	Si
255	-4121	-1914	-10004	SLD 7	0.41	977	2.865	-365470	-122616	-962923	SLD 7	0.6	2474	4.193	Si

Campata 2 tra i fili ? - ?, sezione R 40x70, asta 1144

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-298013	SLU 30	-298013	-962923	0.078	Si
12	7.6	5.4	7.6	5.4						-299784	SLU 30	-299784	-962923	0.078	Si
20	7.6	5.4	7.6	5.4						-301787	SLU 30	-313704	-962923	0.078	Si
24	7.6	5.4	7.6	5.4						-302829	SLU 30	-315733	-962923	0.078	Si
35	7.6	5.4	7.6	5.4						-307149	SLU 30	-323183	-962923	0.078	Si
47	7.6	5.4	7.6	5.4						-312742	SLU 30	-331907	-962923	0.078	Si
53	7.6	5.4	7.6	5.4						-316017	SLU 30	-336747	-962923	0.078	Si
65	7.6	5.4	7.6	5.4						-323522	SLU 30	-347382	-962923	0.078	Si
77	7.6	5.4	7.6	5.4						-332301	SLU 30	-359292	-962923	0.078	Si
89	7.6	5.4	7.6	5.4						-342355	SLU 30	-372476	-962923	0.078	Si
101	7.6	5.4	7.6	5.4						-353683	SLU 30	-386934	-962923	0.078	Si
112	7.6	5.4	7.6	5.4						-366285	SLU 30	-402666	-962923	0.078	Si
124	7.6	5.4	7.6	5.4						-380161	SLU 30	-419673	-962923	0.078	Si
136	7.6	5.4	7.6	5.4						-395312	SLU 30	-426010	-962923	0.078	Si
142	7.6	5.4	7.6	5.4						-403365	SLU 30	-426010	-962923	0.078	Si
154	7.6	5.4	7.6	5.4						-420427	SLU 30	-426010	-962923	0.078	Si
157	7.6	5.4	7.6	5.4						-426010	SLU 30	-426010	-962923	0.078	Si
166	7.6	5.4	7.6	5.4						-439103	SLU 21	-436112	-962923	0.078	Si
177	7.6	5.4	7.6	5.4						-459958	SLU 21	-441833	-962923	0.078	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	569419	SLV 11	492434	962923	0.078	-953399	SLV 5	-880130	-962923	0.078	Si
12	7.6	5.4	7.6	5.4	480934	SLV 11	466949	962923	0.078	-870223	SLV 5	-856907	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	419635	SLV 11	419635	962923	0.078	-813790	SLV 5	-813790	-962923	0.078	Si
24	7.6	5.4	7.6	5.4	392067	SLV 11	419635	962923	0.078	-788627	SLV 5	-813790	-962923	0.078	Si
35	7.6	5.4	7.6	5.4	302762	SLV 11	419635	962923	0.078	-708553	SLV 5	-813790	-962923	0.078	Si
47	7.6	5.4	7.6	5.4	212947	SLV 11	419635	962923	0.078	-629928	SLV 5	-813790	-962923	0.078	Si
53	7.6	5.4	7.6	5.4	167829	SLV 11	388198	962923	0.078	-591141	SLV 5	-785138	-962923	0.078	Si
65	7.6	5.4	7.6	5.4	77150	SLV 11	298872	962923	0.078	-514594	SLV 5	-705126	-962923	0.078	Si
77	7.6	5.4	7.6	5.4	-14077	SLV 11	209032	962923	0.078	-439459	SLV 5	-626563	-962923	0.078	Si
89	7.6	5.4	7.6	5.4	-74984	SLV 15	118623	962923	0.078	-396605	SLV 1	-549390	-962923	0.078	Si
101	7.6	5.4	7.6	5.4	-95732	SLV 15	27633	962923	0.078	-395869	SLV 1	-537176	-962923	0.078	Si
112	7.6	5.4	7.6	5.4	-75575	SLV 13	64247	962923	0.078	-437999	SLV 3	-640144	-962923	0.078	Si
124	7.6	5.4	7.6	5.4	-46929	SLV 9	139626	962923	0.078	-490579	SLV 7	-744272	-962923	0.078	Si
136	7.6	5.4	7.6	5.4	29561	SLV 9	166028	962923	0.078	-592963	SLV 7	-781336	-962923	0.078	Si
142	7.6	5.4	7.6	5.4	67543	SLV 9	166028	962923	0.078	-644626	SLV 7	-781336	-962923	0.078	Si
154	7.6	5.4	7.6	5.4	142885	SLV 9	166028	962923	0.078	-748803	SLV 7	-781336	-962923	0.078	Si
157	7.6	5.4	7.6	5.4	166028	SLV 9	166028	962923	0.078	-781336	SLV 7	-781336	-962923	0.078	Si
166	7.6	5.4	7.6	5.4	217349	SLV 9	207281	962923	0.078	-854062	SLV 7	-839298	-962923	0.078	Si
177	7.6	5.4	7.6	5.4	290902	SLV 9	229501	962923	0.078	-960371	SLV 7	-870519	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	144791	SLD 11	109702	962923	0.078	-528771	SLD 5	-497399	-962923	0.078	Si
12	7.6	5.4	7.6	5.4	104171	SLD 11	97799	962923	0.078	-493461	SLD 5	-487757	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	75701	SLD 11	75701	962923	0.078	-469856	SLD 5	-469856	-962923	0.078	Si
24	7.6	5.4	7.6	5.4	62837	SLD 11	75701	962923	0.078	-459397	SLD 5	-469856	-962923	0.078	Si
35	7.6	5.4	7.6	5.4	20761	SLD 11	75701	962923	0.078	-426552	SLD 5	-469856	-962923	0.078	Si
47	7.6	5.4	7.6	5.4	-22086	SLD 11	75701	962923	0.078	-394896	SLD 5	-469856	-962923	0.078	Si
53	7.6	5.4	7.6	5.4	-43808	SLD 11	61020	962923	0.078	-379505	SLD 5	-457959	-962923	0.078	Si
65	7.6	5.4	7.6	5.4	-87857	SLD 11	18911	962923	0.078	-349587	SLD 5	-425166	-962923	0.078	Si
77	7.6	5.4	7.6	5.4						-320841	SLD 5	-393561	-962923	0.078	Si
89	7.6	5.4	7.6	5.4						-306946	SLD 1	-363117	-962923	0.078	Si
101	7.6	5.4	7.6	5.4						-312206	SLD 1	-390741	-962923	0.078	Si
112	7.6	5.4	7.6	5.4						-336976	SLD 3	-443757	-962923	0.078	Si
124	7.6	5.4	7.6	5.4						-366895	SLD 7	-497833	-962923	0.078	Si
136	7.6	5.4	7.6	5.4						-419403	SLD 7	-517201	-962923	0.078	Si
142	7.6	5.4	7.6	5.4						-446071	SLD 7	-517201	-962923	0.078	Si
154	7.6	5.4	7.6	5.4						-500192	SLD 7	-517201	-962923	0.078	Si
157	7.6	5.4	7.6	5.4						-517201	SLD 7	-517201	-962923	0.078	Si
166	7.6	5.4	7.6	5.4						-555338	SLD 7	-547498	-962923	0.078	Si
177	7.6	5.4	7.6	5.4						-611496	SLD 7	-563818	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	53	SLU 18	53	8821	68363	0	8821	1	Si
0	0	7.6	0	-385	SLU 19	-385	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-493	SLU 19	-493	-8821	-68363	0	-8821	1	Si
20	0.095	7.6	0	-567	SLU 19	-567	-8821	-68363	-11034	-11034	1	Si
24	0.095	7.6	0	-600	SLU 19	-600	-8821	-68363	-11034	-11034	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
35	0.095	7.6	0	-708	SLU 19	-708	-8821	-68363	-11034	-11034	1	Si
47	0.095	7.6	0	-816	SLU 19	-816	-8821	-68363	-11034	-11034	1	Si
53	0.095	7.6	0	-870	SLU 19	-870	-8821	-68363	-11034	-11034	1	Si
65	0.095	7.6	0	-977	SLU 19	-977	-8821	-68363	-11034	-11034	1	Si
77	0.095	7.6	0	-1085	SLU 19	-1085	-8821	-68363	-11034	-11034	1	Si
89	0.095	7.6	0	-1193	SLU 19	-1193	-8821	-68363	-11034	-11034	1	Si
101	0.095	7.6	0	-1300	SLU 19	-1300	-8821	-68363	-11034	-11034	1	Si
112	0.095	7.6	0	-1408	SLU 19	-1408	-8821	-68363	-11034	-11034	1	Si
124	0.095	7.6	0	-1516	SLU 19	-1516	-8821	-68363	-11034	-11034	1	Si
136	0.095	7.6	0	-1623	SLU 19	-1623	-8821	-68363	-11034	-11034	1	Si
142	0.095	7.6	0	-1677	SLU 19	-1677	-8821	-68363	-11034	-11034	1	Si
154	0.095	7.6	0	-1785	SLU 19	-1785	-8821	-68363	-11034	-11034	1	Si
157	0.095	7.6	0	-1818	SLU 19	-1818	-8821	-68363	-11034	-11034	1	Si
166	0	7.6	0	-1893	SLU 19	-1893	-8821	-68363	0	-8821	1	Si
177	0	7.6	0	-2000	SLU 19	-2000	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	7450	SLV 9	9434	8821	68363	0	8821	1	Si
0	0	7.6	0	-7816	SLV 7	-9800	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	7367	SLV 9	9352	8821	68363	0	8821	1	Si
12	0	7.6	0	-7899	SLV 7	-9883	-8821	-68363	0	-8821	1	Si
20	0.095	7.6	0	7310	SLV 9	9294	8821	68363	11034	11034	1	Si
20	0.095	7.6	0	-7956	SLV 7	-9940	-8821	-68363	-11034	-11034	1	Si
24	0.095	7.6	0	7284	SLV 9	9269	8821	68363	11034	11034	1	Si
24	0.095	7.6	0	-7981	SLV 7	-9966	-8821	-68363	-11034	-11034	1	Si
35	0.095	7.6	0	7201	SLV 9	9186	8821	68363	11034	11034	1	Si
35	0.095	7.6	0	-8064	SLV 7	-10049	-8821	-68363	-11034	-11034	1	Si
47	0.095	7.6	0	7119	SLV 9	9103	8821	68363	11034	11034	1	Si
47	0.095	7.6	0	-8147	SLV 7	-10132	-8821	-68363	-11034	-11034	1	Si
53	0.095	7.6	0	7077	SLV 9	9062	8821	68363	11034	11034	1	Si
53	0.095	7.6	0	-8188	SLV 7	-10173	-8821	-68363	-11034	-11034	1	Si
65	0.095	7.6	0	6994	SLV 9	8979	8821	68363	11034	11034	1	Si
65	0.095	7.6	0	-8271	SLV 7	-10256	-8821	-68363	-11034	-11034	1	Si
77	0.095	7.6	0	6911	SLV 9	8896	8821	68363	11034	11034	1	Si
77	0.095	7.6	0	-8354	SLV 7	-10339	-8821	-68363	-11034	-11034	1	Si
89	0.095	7.6	0	6829	SLV 9	8813	8821	68363	11034	11034	1	Si
89	0.095	7.6	0	-8437	SLV 7	-10422	-8821	-68363	-11034	-11034	1	Si
101	0.095	7.6	0	6746	SLV 9	8730	8821	68363	11034	11034	1	Si
101	0.095	7.6	0	-8520	SLV 7	-10504	-8821	-68363	-11034	-11034	1	Si
112	0.095	7.6	0	6663	SLV 9	8647	8821	68363	11034	11034	1	Si
112	0.095	7.6	0	-8603	SLV 7	-10587	-8821	-68363	-11034	-11034	1	Si
124	0.095	7.6	0	6580	SLV 9	8565	8821	68363	11034	11034	1	Si
124	0.095	7.6	0	-8685	SLV 7	-10670	-8821	-68363	-11034	-11034	1	Si
136	0.095	7.6	0	6497	SLV 9	8482	8821	68363	11034	11034	1	Si
136	0.095	7.6	0	-8768	SLV 7	-10753	-8821	-68363	-11034	-11034	1	Si
142	0.095	7.6	0	6456	SLV 9	8440	8821	68363	11034	11034	1	Si
142	0.095	7.6	0	-8810	SLV 7	-10794	-8821	-68363	-11034	-11034	1	Si
154	0.095	7.6	0	6373	SLV 9	8358	8821	68363	11034	11034	1	Si
154	0.095	7.6	0	-8893	SLV 7	-10877	-8821	-68363	-11034	-11034	1	Si
157	0.095	7.6	0	6347	SLV 9	8332	8821	68363	11034	11034	1	Si
157	0.095	7.6	0	-8918	SLV 7	-10903	-8821	-68363	-11034	-11034	1	Si
166	0	7.6	0	6290	SLV 9	8275	8821	68363	0	8821	1	Si
166	0	7.6	0	-8975	SLV 7	-10960	-8821	-68363	0	-8821	1	Si
177	0	7.6	0	6207	SLV 9	8192	8821	68363	0	8821	1	Si
177	0	7.6	0	-9058	SLV 7	-11043	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3193	SLD 9	3193	8821	68363	0	8821	1	Si
0	0	7.6	0	-3559	SLD 7	-3559	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	3110	SLD 9	3110	8821	68363	0	8821	1	Si
12	0	7.6	0	-3642	SLD 7	-3642	-8821	-68363	0	-8821	1	Si
20	0.095	7.6	0	3053	SLD 9	3053	8821	68363	11034	11034	1	Si
20	0.095	7.6	0	-3699	SLD 7	-3699	-8821	-68363	-11034	-11034	1	Si
24	0.095	7.6	0	3028	SLD 9	3028	8821	68363	11034	11034	1	Si
24	0.095	7.6	0	-3725	SLD 7	-3725	-8821	-68363	-11034	-11034	1	Si
35	0.095	7.6	0	2945	SLD 9	2945	8821	68363	11034	11034	1	Si
35	0.095	7.6	0	-3808	SLD 7	-3808	-8821	-68363	-11034	-11034	1	Si
47	0.095	7.6	0	2862	SLD 9	2862	8821	68363	11034	11034	1	Si
47	0.095	7.6	0	-3891	SLD 7	-3891	-8821	-68363	-11034	-11034	1	Si
53	0.095	7.6	0	2821	SLD 9	2821	8821	68363	11034	11034	1	Si
53	0.095	7.6	0	-3932	SLD 7	-3932	-8821	-68363	-11034	-11034	1	Si
65	0.095	7.6	0	2738	SLD 9	2738	8821	68363	11034	11034	1	Si
65	0.095	7.6	0	-4015	SLD 7	-4015	-8821	-68363	-11034	-11034	1	Si
77	0.095	7.6	0	2655	SLD 9	2655	8821	68363	11034	11034	1	Si
77	0.095	7.6	0	-4098	SLD 7	-4098	-8821	-68363	-11034	-11034	1	Si
89	0.095	7.6	0	2572	SLD 9	2572	8821	68363	11034	11034	1	Si
89	0.095	7.6	0	-4180	SLD 7	-4180	-8821	-68363	-11034	-11034	1	Si
101	0.095	7.6	0	2489	SLD 9	2489	8821	68363	11034	11034	1	Si
101	0.095	7.6	0	-4263	SLD 7	-4263	-8821	-68363	-11034	-11034	1	Si
112	0.095	7.6	0	2406	SLD 9	2406	8821	68363	11034	11034	1	Si
112	0.095	7.6	0	-4346	SLD 7	-4346	-8821	-68363	-11034	-11034	1	Si
124	0.095	7.6	0	2324	SLD 9	2324	8821	68363	11034	11034	1	Si
124	0.095	7.6	0	-4429	SLD 7	-4429	-8821	-68363	-11034	-11034	1	Si
136	0.095	7.6	0	2241	SLD 9	2241	8821	68363	11034	11034	1	Si
136	0.095	7.6	0	-4512	SLD 7	-4512	-8821	-68363	-11034	-11034	1	Si
142	0.095	7.6	0	2199	SLD 9	2199	8821	68363	11034	11034	1	Si
142	0.095	7.6	0	-4553	SLD 7	-4553	-8821	-68363	-11034	-11034	1	Si
154	0.095	7.6	0	2116	SLD 9	2116	8821	68363	11034	11034	1	Si
154	0.095	7.6	0	-4636	SLD 7	-4636	-8821	-68363	-11034	-11034	1	Si
157	0.095	7.6	0	2091	SLD 9	2091	8821	68363	11034	11034	1	Si
157	0.095	7.6	0	-4662	SLD 7	-4662	-8821	-68363	-11034	-11034	1	Si
166	0	7.6	0	2034	SLD 9	2034	8821	68363	0	8821	1	Si
166	0	7.6	0	-4719	SLD 7	-4719	-8821	-68363	0	-8821	1	Si
177	0	7.6	0	1951	SLD 9	1951	8821	68363	0	8821	1	Si
177	0	7.6	0	-4802	SLD 7	-4802	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-217554	3	-217554	5.7	124.5	85	1837	-191990	2	-191990	8.6	93.4	0	+∞	Si
12	-219413	3	-219413	5.7	124.5	85.8	1837	-194645	2	-194645	8.7	93.4	0	+∞	Si
20	-221297	3	-231684	6	124.5	90.6	1837	-197078	2	-209420	9.4	93.4	0	+∞	Si
24	-222252	3	-233399	6.1	124.5	91.2	1837	-198280	2	-211382	9.5	93.4	0	+∞	Si
35	-226072	3	-239627	6.2	124.5	93.7	1837	-202895	2	-218405	9.8	93.4	0	+∞	Si
47	-230872	3	-246834	6.4	124.5	96.5	1837	-208491	2	-226408	10.2	93.4	0	+∞	Si
53	-233639	3	-250806	6.5	124.5	98	1837	-211656	2	-230778	10.4	93.4	0	+∞	Si
65	-239909	3	-259484	6.8	124.5	101.4	1837	-218722	2	-240251	10.8	93.4	0	+∞	Si
77	-247159	3	-269142	7	124.5	105.2	1837	-226768	2	-250705	11.2	93.4	0	+∞	Si
89	-255390	3	-279780	7.3	124.5	109.4	1837	-235794	2	-262139	11.8	93.4	0	+∞	Si
101	-264601	3	-291399	7.6	124.5	113.9	1837	-245800	2	-274554	12.3	93.4	0	+∞	Si
112	-274791	3	-303998	7.9	124.5	118.8	1837	-256787	2	-287948	12.9	93.4	0	+∞	Si
124	-285962	3	-317577	8.3	124.5	124.1	1837	-268754	2	-302323	13.6	93.4	0	+∞	Si
136	-298114	3	-322627	8.4	124.5	126.1	1837	-281701	2	-307654	13.8	93.4	0	+∞	Si
142	-304557	3	-322627	8.4	124.5	126.1	1837	-288542	2	-307654	13.8	93.4	0	+∞	Si
154	-318178	3	-322627	8.4	124.5	126.1	1837	-302959	2	-307654	13.8	93.4	0	+∞	Si
157	-322627	3	-322627	8.4	124.5	126.1	1837	-307654	2	-307654	13.8	93.4	0	+∞	Si
166	-332780	3	-330544	8.6	124.5	129.2	1837	-318357	2	-316009	14.2	93.4	0	+∞	Si
177	-348362	3	-334809	8.7	124.5	130.9	1837	-334734	2	-320509	14.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
24	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
35	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.004	1	-0.004	1	9999	Si
47	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
53	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
65	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
77	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	1	-0.007	1	9999	Si
89	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	1	-0.007	1	9999	Si
95	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
101	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	1	-0.007	1	9999	Si
112	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	1	-0.007	1	9999	Si
124	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
136	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
142	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
154	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
157	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
166	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-323	-9617	-11034	SLV 7	0.4	925	1.113	-197078	-616713	-962923	SLV 5	0.45	1229	1.251	Si
24	-349	-9617	-11034	SLV 7	0.4	920	1.111	-197078	-616713	-962923	SLV 5	0.45	1229	1.251	Si
35	-431	-9617	-11034	SLV 7	0.4	903	1.102	-197078	-616713	-962923	SLV 5	0.45	1229	1.251	Si
47	-514	-9617	-11034	SLV 7	0.4	886	1.094	-197078	-616713	-962923	SLV 5	0.45	1229	1.251	Si
53	-556	-9617	-11034	SLV 7	0.4	877	1.089	-198470	-586668	-962923	SLV 5	0.47	1396	1.318	Si
65	-639	-9617	-11034	SLV 7	0.39	860	1.081	-203127	-501999	-962923	SLV 5	0.54	2083	1.553	Si
77	-721	-9617	-11034	SLV 7	0.39	844	1.072	-208765	-417798	-962923	SLV 5	0.57	2474	1.666	Si
89	-804	-9617	-11034	SLV 7	0.39	827	1.063	-215384	-334007	-962923	SLV 5	0.57	2474	1.666	Si
101	-887	-9617	-11034	SLV 7	0.38	811	1.055	-274554	-262622	-962923	SLV 7	0.57	2474	1.666	Si
112	-970	-9617	-11034	SLV 7	0.38	795	1.046	-287948	-352196	-962923	SLV 7	0.57	2474	1.666	Si
124	-1053	-9617	-11034	SLV 7	0.38	779	1.038	-302323	-441949	-962923	SLV 7	0.53	2014	1.532	Si
136	-1136	-9617	-11034	SLV 7	0.37	763	1.029	-307654	-473682	-962923	SLV 7	0.5	1637	1.407	Si
142	-1177	-9617	-11034	SLV 7	0.37	755	1.024	-307654	-473682	-962923	SLV 7	0.5	1637	1.407	Si
154	-1260	-9617	-11034	SLV 7	0.37	740	1.016	-307654	-473682	-962923	SLV 7	0.5	1637	1.407	Si
157	-1285	-9617	-11034	SLV 7	0.37	735	1.013	-307654	-473682	-962923	SLV 7	0.5	1637	1.407	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-323	-3376	-11034	SLD 7	0.42	1063	2.966	-197078	-272778	-962923	SLD 5	0.38	783	2.616	Si
24	-349	-3376	-11034	SLD 7	0.42	1057	2.959	-197078	-272778	-962923	SLD 5	0.38	783	2.616	Si
35	-431	-3376	-11034	SLD 7	0.42	1035	2.933	-197078	-272778	-962923	SLD 5	0.38	783	2.616	Si
47	-514	-3376	-11034	SLD 7	0.42	1013	2.908	-197078	-272778	-962923	SLD 5	0.38	783	2.616	Si
53	-556	-3376	-11034	SLD 7	0.42	1002	2.895	-198470	-259489	-962923	SLD 5	0.4	880	2.744	Si
65	-639	-3376	-11034	SLD 7	0.41	980	2.868	-203127	-222039	-962923	SLD 5	0.46	1301	3.222	Si
77	-721	-3376	-11034	SLD 7	0.41	962	2.847	-208765	-184795	-962923	SLD 5	0.54	2081	3.906	Si
89	-804	-3376	-11034	SLD 7	0.41	942	2.822	-215384	-147733	-962923	SLD 5	0.6	2474	4.193	Si
101	-887	-3376	-11034	SLD 7	0.4	924	2.8	-274554	-116187	-962923	SLD 7	0.6	2474	4.193	Si
112	-970	-3376	-11034	SLD 7	0.4	906	2.777	-287948	-155809	-962923	SLD 7	0.57	2442	4.171	Si
124	-1053	-3376	-11034	SLD 7	0.4	888	2.755	-302323	-195510	-962923	SLD 7	0.45	1258	3.178	Si
136	-1136	-3376	-11034	SLD 7	0.39	869	2.73	-307654	-209547	-962923	SLD 7	0.42	1022	2.918	Si
142	-1177	-3376	-11034	SLD 7	0.39	860	2.719	-307654	-209547	-962923	SLD 7	0.42	1022	2.918	Si
154	-1260	-3376	-11034	SLD 7	0.39	843	2.697	-307654	-209547	-962923	SLD 7	0.42	1022	2.918	Si
157	-1285	-3376	-11034	SLD 7	0.39	838	2.69	-307654	-209547	-962923	SLD 7	0.42	1022	2.918	Si

Campata 3 tra i fili ? - ?, sezione R 40x70, asta 1145

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-320085	SLU 30	-243868	-962923	0.078	Si
5	7.6	5.4	7.6	5.4						-283563	SLU 30	-240029	-962923	0.078	Si
9	7.6	5.4	7.6	5.4						-248524	SLU 21	-228515	-962923	0.078	Si
14	7.6	5.4	7.6	5.4						-215515	SLU 21	-209392	-962923	0.078	Si
19	7.6	5.4	7.6	5.4						-184442	SLU 20	-184209	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	-53430	SLU 17	125844	962923	0.078	-176658	SLU 20	-176658	-962923	0.078	Si
21	7.6	5.4	7.6	5.4	-46245	SLU 17	134062	962923	0.078	-169137	SLU 20	-176658	-962923	0.078	Si
26	7.6	5.4	7.6	5.4	-17118	SLU 17	167394	962923	0.078	-138676	SLU 20	-176658	-962923	0.078	Si
31	7.6	5.4	7.6	5.4	11855	SLU 17	171569	962923	0.078	-108417	SLU 20	-176658	-962923	0.078	Si
35	7.6	5.4	7.6	5.4	40672	SLU 17	171569	962923	0.078	-78360	SLU 20	-176658	-962923	0.078	Si
40	7.6	5.4	7.6	5.4	69335	SLU 17	171569	962923	0.078	-48503	SLU 20	-176658	-962923	0.078	Si
45	7.6	5.4	7.6	5.4	97844	SLU 17	171569	962923	0.078	-18847	SLU 20	-176658	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
49	7.6	5.4	7.6	5.4	127926	SLU 35	171569	962923	0.078	8879	SLU 2	-174757	-962923	0.078	Si
54	7.6	5.4	7.6	5.4	161295	SLU 35	171569	962923	0.078	32962	SLU 2	-144260	-962923	0.078	Si
56	7.6	5.4	7.6	5.4	171569	SLU 35	171569	962923	0.078	40374	SLU 2	-134867	-962923	0.078	Si
56	7.6	5.4	7.6	5.4	177904	SLU 35	177713	962923	0.078						Si
61	7.6	5.4	7.6	5.4	210972	SLU 35	203731	962923	0.078						Si
66	7.6	5.4	7.6	5.4	243838	SLU 35	219341	962923	0.078						Si
71	7.6	5.4	7.6	5.4	276503	SLU 35	224545	962923	0.078						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	348638	SLV 11	330496	962923	0.078	-782350	SLV 5	-659147	-962923	0.078	Si
5	7.6	5.4	7.6	5.4	339931	SLV 11	329395	962923	0.078	-724403	SLV 5	-652396	-962923	0.078	Si
9	7.6	5.4	7.6	5.4	331076	SLV 11	326094	962923	0.078	-666617	SLV 5	-632143	-962923	0.078	Si
14	7.6	5.4	7.6	5.4	322075	SLV 11	320591	962923	0.078	-608995	SLV 5	-598387	-962923	0.078	Si
19	7.6	5.4	7.6	5.4	312930	SLV 11	312887	962923	0.078	-551538	SLV 5	-551129	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	310577	SLV 11	310577	962923	0.078	-536959	SLV 5	-536959	-962923	0.078	Si
21	7.6	5.4	7.6	5.4	308304	SLV 11	310577	962923	0.078	-522871	SLV 5	-536959	-962923	0.078	Si
26	7.6	5.4	7.6	5.4	298945	SLV 11	310577	962923	0.078	-465665	SLV 5	-536959	-962923	0.078	Si
31	7.6	5.4	7.6	5.4	289449	SLV 11	310577	962923	0.078	-408630	SLV 5	-536959	-962923	0.078	Si
35	7.6	5.4	7.6	5.4	279818	SLV 11	310577	962923	0.078	-351770	SLV 5	-536959	-962923	0.078	Si
40	7.6	5.4	7.6	5.4	270058	SLV 11	310577	962923	0.078	-295091	SLV 5	-536959	-962923	0.078	Si
45	7.6	5.4	7.6	5.4	260178	SLV 11	310577	962923	0.078	-238601	SLV 5	-536959	-962923	0.078	Si
49	7.6	5.4	7.6	5.4	250191	SLV 11	310003	962923	0.078	-182313	SLV 5	-533398	-962923	0.078	Si
54	7.6	5.4	7.6	5.4	240120	SLV 11	300670	962923	0.078	-126251	SLV 5	-476161	-962923	0.078	Si
56	7.6	5.4	7.6	5.4	236993	SLV 11	297756	962923	0.078	-108972	SLV 5	-458492	-962923	0.078	Si
56	7.6	5.4	7.6	5.4	235065	SLV 11	235045	962923	0.078	-98317	SLV 5	-98317	-962923	0.078	Si
61	7.6	5.4	7.6	5.4	224963	SLV 11	224963	962923	0.078	-42687	SLV 5	-42687	-962923	0.078	Si
66	7.6	5.4	7.6	5.4	215013	SLV 11	215013	962923	0.078						Si
71	7.6	5.4	7.6	5.4	210214	SLV 15	205731	962923	0.078						Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	33003	SLD 11	33003	962923	0.078	-466715	SLD 5	-382944	-962923	0.078	Si
5	7.6	5.4	7.6	5.4	42891	SLD 11	42891	962923	0.078	-427363	SLD 5	-378383	-962923	0.078	Si
9	7.6	5.4	7.6	5.4	52628	SLD 11	52628	962923	0.078	-388169	SLD 5	-364701	-962923	0.078	Si
14	7.6	5.4	7.6	5.4	62214	SLD 11	62214	962923	0.078	-349134	SLD 5	-341899	-962923	0.078	Si
19	7.6	5.4	7.6	5.4	71650	SLD 11	71650	962923	0.078	-310257	SLD 5	-309975	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	74021	SLD 11	128889	962923	0.078	-300402	SLD 5	-300402	-962923	0.078	Si
21	7.6	5.4	7.6	5.4	76311	SLD 11	130958	962923	0.078	-290879	SLD 5	-300402	-962923	0.078	Si
26	7.6	5.4	7.6	5.4	85523	SLD 11	139313	962923	0.078	-252243	SLD 5	-300402	-962923	0.078	Si
31	7.6	5.4	7.6	5.4	94587	SLD 11	140355	962923	0.078	-213769	SLD 5	-300402	-962923	0.078	Si
35	7.6	5.4	7.6	5.4	103505	SLD 11	140355	962923	0.078	-175458	SLD 5	-300402	-962923	0.078	Si
40	7.6	5.4	7.6	5.4	112280	SLD 11	140355	962923	0.078	-137313	SLD 5	-300402	-962923	0.078	Si
45	7.6	5.4	7.6	5.4	120914	SLD 11	140355	962923	0.078	-99337	SLD 5	-300402	-962923	0.078	Si
49	7.6	5.4	7.6	5.4	129415	SLD 11	140355	962923	0.078	-61537	SLD 5	-297995	-962923	0.078	Si
54	7.6	5.4	7.6	5.4	137790	SLD 11	140355	962923	0.078	-23921	SLD 5	-259330	-962923	0.078	Si
56	7.6	5.4	7.6	5.4	140355	SLD 11	140355	962923	0.078	-12334	SLD 5	-247403	-962923	0.078	Si
56	7.6	5.4	7.6	5.4	141937	SLD 11	141855	962923	0.078	-5188	SLD 5	-5188	-962923	0.078	Si
61	7.6	5.4	7.6	5.4	150166	SLD 11	148206	962923	0.078						Si
66	7.6	5.4	7.6	5.4	158370	SLD 11	152017	962923	0.078						Si
71	7.6	5.4	7.6	5.4	168893	SLD 15	153287	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	8059	SLU 36	8059	8821	68363	0	8821	1	Si
5	0	7.6	0	8016	SLU 36	8016	8821	68363	0	8821	1	Si
9	0	7.6	0	7974	SLU 36	7974	8821	68363	0	8821	1	Si
14	0	7.6	0	7931	SLU 36	7931	8821	68363	0	8821	1	Si
19	0	7.6	0	7888	SLU 36	7888	8821	68363	0	8821	1	Si
20	0.142	7.6	0	7877	SLU 36	7877	8821	68363	16430	16430	1	Si
21	0.142	7.6	0	7867	SLU 36	7867	8821	68363	16430	16430	1	Si
26	0.142	7.6	0	7824	SLU 36	7824	8821	68363	16430	16430	1	Si
31	0.142	7.6	0	7781	SLU 36	7781	8821	68363	16430	16430	1	Si
35	0.142	7.6	0	7738	SLU 36	7738	8821	68363	16430	16430	1	Si
40	0.142	7.6	0	7695	SLU 36	7695	8821	68363	16430	16430	1	Si
45	0.142	7.6	0	7653	SLU 36	7653	8821	68363	16430	16430	1	Si
49	0.142	7.6	0	7610	SLU 36	7610	8821	68363	16430	16430	1	Si
54	0.142	7.6	0	7567	SLU 36	7567	8821	68363	16430	16430	1	Si
56	0.142	7.6	0	7554	SLU 36	7554	8821	68363	16430	16430	1	Si
56	0	7.6	0	7546	SLU 36	7546	8821	68363	0	8821	1	Si
61	0	7.6	0	7503	SLU 36	7503	8821	68363	0	8821	1	Si
66	0	7.6	0	7460	SLU 36	7460	8821	68363	0	8821	1	Si
71	0	7.6	0	7417	SLU 36	7417	8821	68363	0	8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	12359	SLV 5	14206	8821	68363	0	8821	1	Si
0	0	7.6	0	-1852	SLV 11	-3699	-8821	-68363	0	-8821	1	Si
5	0	7.6	0	12326	SLV 5	14173	8821	68363	0	8821	1	Si
5	0	7.6	0	-1885	SLV 11	-3732	-8821	-68363	0	-8821	1	Si
9	0	7.6	0	12293	SLV 5	14140	8821	68363	0	8821	1	Si
9	0	7.6	0	-1918	SLV 11	-3765	-8821	-68363	0	-8821	1	Si
14	0	7.6	0	12260	SLV 5	14108	8821	68363	0	8821	1	Si
14	0	7.6	0	-1951	SLV 11	-3798	-8821	-68363	0	-8821	1	Si
19	0	7.6	0	12227	SLV 5	14075	8821	68363	0	8821	1	Si
19	0	7.6	0	-1983	SLV 11	-3831	-8821	-68363	0	-8821	1	Si
20	0.142	7.6	0	12219	SLV 5	14066	8821	68363	16430	16430	1	Si
20	0.142	7.6	0	-1992	SLV 11	-3839	-8821	-68363	-16430	-16430	1	Si
21	0.142	7.6	0	12211	SLV 5	14058	8821	68363	16430	16430	1	Si
21	0.142	7.6	0	-2000	SLV 11	-3847	-8821	-68363	-16430	-16430	1	Si
26	0.142	7.6	0	12178	SLV 5	14025	8821	68363	16430	16430	1	Si
26	0.142	7.6	0	-2033	SLV 11	-3880	-8821	-68363	-16430	-16430	1	Si
31	0.142	7.6	0	12145	SLV 5	13992	8821	68363	16430	16430	1	Si
31	0.142	7.6	0	-2066	SLV 11	-3913	-8821	-68363	-16430	-16430	1	Si
35	0.142	7.6	0	12112	SLV 5	13959	8821	68363	16430	16430	1	Si
35	0.142	7.6	0	-2099	SLV 11	-3946	-8821	-68363	-16430	-16430	1	Si
40	0.142	7.6	0	12079	SLV 5	13927	8821	68363	16430	16430	1	Si
40	0.142	7.6	0	-2132	SLV 11	-3979	-8821	-68363	-16430	-16430	1	Si
45	0.142	7.6	0	12046	SLV 5	13894	8821	68363	16430	16430	1	Si
45	0.142	7.6	0	-2164	SLV 11	-4012	-8821	-68363	-16430	-16430	1	Si
49	0.142	7.6	0	12013	SLV 5	13861	8821	68363	16430	16430	1	Si
49	0.142	7.6	0	-2197	SLV 11	-4045	-8821	-68363	-16430	-16430	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
54	0.142	7.6	0	11980	SLV 5	13828	8821	68363	16430	16430	1	Si
54	0.142	7.6	0	-2230	SLV 11	-4078	-8821	-68363	-16430	-16430	1	Si
56	0.142	7.6	0	11970	SLV 5	13818	8821	68363	16430	16430	1	Si
56	0.142	7.6	0	-2240	SLV 11	-4088	-8821	-68363	-16430	-16430	1	Si
56	0	7.6	0	11964	SLV 5	13811	8821	68363	0	8821	1	Si
56	0	7.6	0	-2247	SLV 11	-4094	-8821	-68363	0	-8821	1	Si
61	0	7.6	0	11931	SLV 5	13778	8821	68363	0	8821	1	Si
61	0	7.6	0	-2280	SLV 11	-4127	-8821	-68363	0	-8821	1	Si
66	0	7.6	0	11898	SLV 5	13746	8821	68363	0	8821	1	Si
66	0	7.6	0	-2313	SLV 11	-4160	-8821	-68363	0	-8821	1	Si
71	0	7.6	0	11865	SLV 5	13713	8821	68363	0	8821	1	Si
71	0	7.6	0	-2345	SLV 11	-4193	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	8394	SLD 5	8394	8821	68363	0	8821	1	Si
5	0	7.6	0	8361	SLD 5	8361	8821	68363	0	8821	1	Si
9	0	7.6	0	8328	SLD 5	8328	8821	68363	0	8821	1	Si
14	0	7.6	0	8295	SLD 5	8295	8821	68363	0	8821	1	Si
19	0	7.6	0	8263	SLD 5	8263	8821	68363	0	8821	1	Si
20	0.142	7.6	0	8254	SLD 5	8254	8821	68363	16430	16430	1	Si
21	0.142	7.6	0	8246	SLD 5	8246	8821	68363	16430	16430	1	Si
26	0.142	7.6	0	8213	SLD 5	8213	8821	68363	16430	16430	1	Si
31	0.142	7.6	0	8180	SLD 5	8180	8821	68363	16430	16430	1	Si
35	0.142	7.6	0	8147	SLD 5	8147	8821	68363	16430	16430	1	Si
40	0.142	7.6	0	8114	SLD 5	8114	8821	68363	16430	16430	1	Si
45	0.142	7.6	0	8082	SLD 5	8082	8821	68363	16430	16430	1	Si
49	0.142	7.6	0	8049	SLD 5	8049	8821	68363	16430	16430	1	Si
54	0.142	7.6	0	8016	SLD 5	8016	8821	68363	16430	16430	1	Si
56	0.142	7.6	0	8006	SLD 5	8006	8821	68363	16430	16430	1	Si
56	0	7.6	0	7999	SLD 5	7999	8821	68363	0	8821	1	Si
61	0	7.6	0	7966	SLD 5	7966	8821	68363	0	8821	1	Si
66	0	7.6	0	7933	SLD 5	7933	8821	68363	0	8821	1	Si
71	0	7.6	0	7901	SLD 5	7901	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-237995	3	-180695	4.7	124.5	70.6	1837	-216856	2	-164326	7.4	93.4	0	+∞	Si
5	-211133	3	-177607	4.6	124.5	69.4	1837	-192236	2	-161500	7.2	93.4	0	+∞	Si
9	-184425	3	-168340	4.4	124.5	65.8	1837	-167770	2	-153024	6.9	93.4	0	+∞	Si
14	-157872	3	-152940	4	124.5	59.8	1837	-143460	2	-138898	6.2	93.4	0	+∞	Si
19	-132630	2	-132441	3.5	124.5	51.8	1837	-119304	2	-119121	5.3	93.4	0	+∞	Si
20	-126294	2	-126294	3.3	124.5	49.4	1837	-113191	2	-113191	5.1	93.4	0	+∞	Si
21	-120171	2	-126294	3.3	124.5	49.4	1837	-107284	2	-113191	5.1	93.4	0	+∞	Si
26	-95369	2	-126294	3.3	124.5	49.4	1837	-83360	2	-113191	5.1	93.4	0	+∞	Si
31	-70722	2	-126294	3.3	124.5	49.4	1837	-59591	2	-113191	5.1	93.4	0	+∞	Si
35	11492	8	118151	3.1	124.5	46.2	1837								Si
35	-46229	2	-126294	3.3	124.5	49.4	1837	-35976	2	-113191	5.1	93.4	0	+∞	Si
40	36500	8	118151	3.1	124.5	46.2	1837	1545	1	73712	3.3	93.4	0	+∞	Si
40	-21891	2	-126294	3.3	124.5	49.4	1837	-12517	2	-113191	5.1	93.4	0	+∞	Si
45	61353	8	118151	3.1	124.5	46.2	1837	23532	1	73712	3.3	93.4	0	+∞	Si
49	86052	8	118151	3.1	124.5	46.2	1837	45365	1	73712	3.3	93.4	0	+∞	Si
54	110596	8	118151	3.1	124.5	46.2	1837	67043	1	73712	3.3	93.4	0	+∞	Si
56	118151	8	118151	3.1	124.5	46.2	1837	73712	1	73712	3.3	93.4	0	+∞	Si
56	122810	8	122669	3.2	124.5	47.9	1837	77825	1	77700	3.5	93.4	0	+∞	Si
61	147122	8	141802	3.7	124.5	55.4	1837	99271	1	94587	4.2	93.4	0	+∞	Si
66	171280	8	153282	4	124.5	59.9	1837	120562	1	104720	4.7	93.4	0	+∞	Si
71	195282	8	157108	4.1	124.5	61.4	1837	141699	1	108097	4.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
5	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
9	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
14	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
19	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
21	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
26	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
31	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
35	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
40	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
45	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
49	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
54	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
56	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
56	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
61	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
66	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	5113	8953	16430	SLV 5	0.46	1288	1.275	-113191	-423768	-962923	SLV 5	0.57	2474	1.666	Si
21	5105	8953	16430	SLV 5	0.46	1290	1.276	-113191	-423768	-962923	SLV 5	0.57	2474	1.666	Si
26	5073	8953	16430	SLV 5	0.46	1300	1.28	-113191	-423768	-962923	SLV 5	0.57	2474	1.666	Si
31	5040	8953	16430	SLV 5	0.46	1310	1.284	-113191	-423768	-962923	SLV 5	0.57	2474	1.666	Si
35	5007	8953	16430	SLV 5	0.46	1320	1.288	-113191	-423768	-962923	SLV 5	0.57	2474	1.666	Si
40	4974	8953	16430	SLV 5	0.46	1330	1.292	-113191	-423768	-962923	SLV 5	0.57	2474	1.666	Si
45	4941	8953	16430	SLV 5	0.46	1341	1.296	-113191	-423768	-962923	SLV 5	0.57	2474	1.666	Si
49	4908	8953	16430	SLV 5	0.46	1351	1.3	-111698	-421700	-962923	SLV 5	0.57	2474	1.666	Si
54	4875	8953	16430	SLV 5	0.46	1361	1.304	-87746	-388416	-962923	SLV 5	0.57	2474	1.666	Si
56	4865	8953	16430	SLV 5	0.46	1364	1.305	64011	172983	962923	SLV 11	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	5113	3141	16430	SLD 5	0.48	1492	3.408	-113191	-187211	-962923	SLD 5	0.6	2474	4.193	Si
21	5105	3141	16430	SLD 5	0.48	1494	3.41	-113191	-187211	-962923	SLD 5	0.6	2474	4.193	Si
26	5073	3141	16430	SLD 5	0.48	1506	3.421	-113191	-187211	-962923	SLD 5	0.6	2474	4.193	Si
31	5040	3141	16430	SLD 5	0.48	1517	3.431	-113191	-187211	-962923	SLD 5	0.6	2474	4.193	Si
35	5007	3141	16430	SLD 5	0.48	1529	3.442	-113191	-187211	-962923	SLD 5	0.6	2474	4.193	Si
40	4974	3141	16430	SLD 5	0.49	1542	3.454	-113191	-187211	-962923	SLD 5	0.6	2474	4.193	Si
45	4941	3141	16430	SLD 5	0.49	1554	3.465	-113191	-187211	-962923	SLD 5	0.6	2474	4.193	Si
49	4908	3141	16430	SLD 5	0.49	1565	3.475	-111698	-186297	-962923	SLD 5	0.6	2474	4.193	Si
54	4875	3141	16430	SLD 5	0.49	1577	3.486	-87746	-171584	-962923	SLD 5	0.6	2474	4.193	Si
56	4865	3141	16430	SLD 5	0.49	1580	3.489	64011	76344	962923	SLD 11	0.6	2474	4.193	Si

Campata 4 tra i fili ? - 19, sezione R 40x70, asta 1146

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	280561	SLU 35	242872	962923	0.078						Si
13	7.6	5.4	7.6	5.4	214908	SLU 35	214148	962923	0.078						Si
15	7.6	5.4	7.6	5.4	204200	SLU 35	204200	962923	0.078	77614	SLU 2	-27103	-962923	0.078	Si
26	7.6	5.4	7.6	5.4	147734	SLU 35	204200	962923	0.078	48819	SLU 2	-75369	-962923	0.078	Si
39	7.6	5.4	7.6	5.4	93998	SLU 18	204200	962923	0.078	-3965	SLU 19	-134226	-962923	0.078	Si
52	7.6	5.4	7.6	5.4	41737	SLU 18	164532	962923	0.078	-60922	SLU 19	-194603	-962923	0.078	Si
58	7.6	5.4	7.6	5.4	15167	SLU 18	132321	962923	0.078	-89971	SLU 19	-225362	-962923	0.078	Si
71	7.6	5.4	7.6	5.4	-38848	SLU 18	80936	962923	0.078	-149210	SLU 19	-288021	-962923	0.078	Si
84	13.46	5.4	7.6	5.4	-92414	SLU 12	28381	963532	0.08	-209970	SLU 19	-359409	-1658031	0.091	Si
97	15.28	5.4	7.6	5.4						-272250	SLU 19	-434349	-1874759	0.096	Si
110	17.11	5.4	7.6	5.4						-341435	SLU 24	-511589	-2091233	0.101	Si
123	18.94	5.4	7.6	5.4						-415330	SLU 26	-590349	-2307379	0.107	Si
136	19.01	5.4	7.6	5.4						-492192	SLU 26	-665017	-2315301	0.107	Si
149	19.01	5.4	7.6	5.4						-570575	SLU 26	-665017	-2315301	0.107	Si
155	19.01	5.4	7.6	5.4						-610336	SLU 26	-665017	-2315301	0.107	Si
164	19.01	5.4	7.6	5.4						-665017	SLU 26	-665017	-2315301	0.107	Si
168	19.01	5.4	7.6	5.4						-691554	SLU 35	-689655	-2315301	0.107	Si
181	19.01	5.4	7.6	5.4						-776977	SLU 35	-744065	-2315301	0.107	Si
194	19.01	5.4	7.6	5.4						-863922	SLU 35	-762201	-2315301	0.107	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	224067	SLV 11	173747	962923	0.078						Si
13	7.6	5.4	7.6	5.4	176371	SLV 13	175158	962923	0.078						Si
15	7.6	5.4	7.6	5.4	175647	SLV 13	318557	962923	0.078	9364	SLV 3	-317621	-962923	0.078	Si
26	7.6	5.4	7.6	5.4	226477	SLV 9	372852	962923	0.078	-108763	SLV 7	-443726	-962923	0.078	Si
39	7.6	5.4	7.6	5.4	291925	SLV 9	436713	962923	0.078	-256584	SLV 7	-595220	-962923	0.078	Si
52	7.6	5.4	7.6	5.4	356858	SLV 9	499597	962923	0.078	-406229	SLV 7	-748078	-962923	0.078	Si
58	7.6	5.4	7.6	5.4	389019	SLV 9	530654	962923	0.078	-481624	SLV 7	-825000	-962923	0.078	Si
71	7.6	5.4	7.6	5.4	452643	SLV 9	591974	962923	0.078	-633471	SLV 7	-979803	-962923	0.078	No
84	13.46	5.4	7.6	5.4	515273	SLV 9	652212	963532	0.08	-786663	SLV 7	-1135865	-1658031	0.091	Si
97	15.28	5.4	7.6	5.4	576860	SLV 9	711348	963637	0.08	-941151	SLV 7	-1293164	-1874759	0.096	Si
110	17.11	5.4	7.6	5.4	637370	SLV 9	769368	963723	0.081	-1096903	SLV 7	-1451686	-2091233	0.101	Si
123	18.94	5.4	7.6	5.4	696782	SLV 9	826259	963793	0.081	-1253896	SLV 7	-1611419	-2307379	0.107	Si
136	19.01	5.4	7.6	5.4	755080	SLV 9	878192	963795	0.081	-1412115	SLV 7	-1761167	-2315301	0.107	Si
149	19.01	5.4	7.6	5.4	812253	SLV 9	878192	963795	0.081	-1571548	SLV 7	-1761167	-2315301	0.107	Si
155	19.01	5.4	7.6	5.4	840415	SLV 9	878192	963795	0.081	-1651718	SLV 7	-1761167	-2315301	0.107	Si
164	19.01	5.4	7.6	5.4	878192	SLV 9	878192	963795	0.081	-1761167	SLV 7	-1761167	-2315301	0.107	Si
168	19.01	5.4	7.6	5.4	895884	SLV 9	894750	963795	0.081	-1812958	SLV 7	-1809419	-2315301	0.107	Si
181	19.01	5.4	7.6	5.4	950210	SLV 9	930611	963795	0.081	-1975394	SLV 7	-1913919	-2315301	0.107	Si
194	19.01	5.4	7.6	5.4	1003389	SLV 9	942565	963795	0.081	-2139022	SLV 7	-1948752	-2315301	0.107	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	175749	SLD 11	141238	962923	0.078						Si
13	7.6	5.4	7.6	5.4	133154	SLD 13	132250	962923	0.078						Si
15	7.6	5.4	7.6	5.4	129288	SLD 13	141194	962923	0.078	55723	SLD 3	-140259	-962923	0.078	Si
26	7.6	5.4	7.6	5.4	133033	SLD 9	145177	962923	0.078	-15319	SLD 7	-216051	-962923	0.078	Si
39	7.6	5.4	7.6	5.4	139012	SLD 9	148975	962923	0.078	-103671	SLD 7	-307482	-962923	0.078	Si
52	7.6	5.4	7.6	5.4	144101	SLD 9	151687	962923	0.078	-193473	SLD 7	-400168	-962923	0.078	Si
58	7.6	5.4	7.6	5.4	146265	SLD 9	152628	962923	0.078	-238871	SLD 7	-446973	-962923	0.078	Si
71	7.6	5.4	7.6	5.4	149794	SLD 9	153669	962923	0.078	-330621	SLD 7	-541498	-962923	0.078	Si
84	13.46	5.4	7.6	5.4	152229	SLD 9	153788	963532	0.08	-423619	SLD 7	-637231	-1658031	0.091	Si
97	15.28	5.4	7.6	5.4	153550	SLD 9	153788	963637	0.08	-517842	SLD 7	-734163	-1874759	0.096	Si
110	17.11	5.4	7.6	5.4	153743	SLD 9	153788	963723	0.081	-613275	SLD 7	-832289	-2091233	0.101	Si
123	18.94	5.4	7.6	5.4	152797	SLD 9	153788	963793	0.081	-709910	SLD 7	-931603	-2307379	0.107	Si
136	19.01	5.4	7.6	5.4	150705	SLD 9	153765	963795	0.081	-807740	SLD 7	-1025099	-2315301	0.107	Si
149	19.01	5.4	7.6	5.4	147464	SLD 9	153103	963795	0.081	-906759	SLD 7	-1025099	-2315301	0.107	Si
155	19.01	5.4	7.6	5.4	145410	SLD 9	152343	963795	0.081	-956713	SLD 7	-1025099	-2315301	0.107	Si
164	19.01	5.4	7.6	5.4	142124	SLD 9	150870	963795	0.081	-1025099	SLD 7	-1025099	-2315301	0.107	Si
168	19.01	5.4	7.6	5.4	140437	SLD 9	140437	963795	0.081	-1057510	SLD 7	-1055274	-2315301	0.107	Si
181	19.01	5.4	7.6	5.4	134305	SLD 9	134305	963795	0.081	-1159488	SLD 7	-1120626	-2315301	0.107	Si
194	19.01	5.4	7.6	5.4	127013	SLD 9	127013	963795	0.081	-1262646	SLD 7	-1142409	-2315301	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-5020	SLU 35	-5020	-8821	-68363	0	-8821	1	Si
13	0	7.6	0	-5137	SLU 35	-5137	-8821	-68363	0	-8821	1	Si
15	0.128	7.6	0	-5156	SLU 35	-5156	-8821	-68363	-14891	-14891	1	Si
26	0.128	7.6	0	-5255	SLU 35	-5255	-8821	-68363	-14891	-14891	1	Si
39	0.128	7.6	0	-5373	SLU 35	-5373	-8821	-68363	-14891	-14891	1	Si
52	0.128	7.6	0	-5490	SLU 35	-5490	-8821	-68363	-14891	-14891	1	Si
58	0.128	7.6	0	-5549	SLU 35	-5549	-8821	-68363	-14891	-14891	1	Si
71	0.128	7.6	0	-5667	SLU 35	-5667	-8821	-68363	-14891	-14891	1	Si
84	0.128	7.6	0	-5784	SLU 35	-5784	-8821	-68363	-14891	-14891	1	Si
97	0.128	7.6	0	-5902	SLU 35	-5902	-8821	-68363	-14891	-14891	1	Si
110	0.128	7.6	0	-6020	SLU 35	-6020	-8821	-68363	-14891	-14891	1	Si
123	0.128	7.6	0	-6137	SLU 35	-6137	-8821	-68363	-14891	-14891	1	Si
136	0.128	7.6	0	-6255	SLU 35	-6255	-8821	-68363	-14891	-14891	1	Si
149	0.128	13.46	0	-6373	SLU 35	-6373	-10669	-68363	-14891	-14891	1	Si
155	0.128	14.37	0	-6431	SLU 35	-6431	-10906	-68363	-14891	-14891	1	Si
164	0.128	15.28	0	-6511	SLU 35	-6511	-11132	-68363	-14891	-14891	1	Si
168	0	16.2	0	-6549	SLU 35	-6549	-11350	-68363	0	-11350	1	Si
181	0	18.03	0	-6667	SLU 35	-6667	-11762	-68363	0	-11762	1	Si
194	0	19.01	0	-6784	SLU 35	-6784	-11971	-68363	0	-11971	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5439	SLV 9	7623	8821	68363	0	8821	1	Si
0	0	7.6	0	-11358	SLV 7	-13542	-8821	-68363	0	-8821	1	Si
13	0	7.6	0	5348	SLV 9	7532	8821	68363	0	8821	1	Si
13	0	7.6	0	-11449	SLV 7	-13632	-8821	-68363	0	-8821	1	Si
15	0.128	7.6	0	5334	SLV 9	7518	8821	68363	14891	14891	1	Si
15	0.128	7.6	0	-11463	SLV 7	-13647	-8821	-68363	-14891	-14891	1	Si
26	0.128	7.6	0	5258	SLV 9	7442	8821	68363	14891	14891	1	Si
26	0.128	7.6	0	-11539	SLV 7	-13723	-8821	-68363	-14891	-14891	1	Si
39	0.128	7.6	0	5167	SLV 9	7351	8821	68363	14891	14891	1	Si
39	0.128	7.6	0	-11630	SLV 7	-13813	-8821	-68363	-14891	-14891	1	Si
52	0.128	7.6	0	5077	SLV 9	7261	8821	68363	14891	14891	1	Si
52	0.128	7.6	0	-11720	SLV 7	-13904	-8821	-68363	-14891	-14891	1	Si
58	0.128	7.6	0	5032	SLV 9	7215	8821	68363	14891	14891	1	Si
58	0.128	7.6	0	-11765	SLV 7	-13949	-8821	-68363	-14891	-14891	1	Si
71	0.128	7.6	0	4941	SLV 9	7125	8821	68363	14891	14891	1	Si
71	0.128	7.6	0	-11856	SLV 7	-14040	-8821	-68363	-14891	-14891	1	Si
84	0.128	7.6	0	4851	SLV 9	7034	8821	68363	14891	14891	1	Si
84	0.128	7.6	0	-11946	SLV 7	-14130	-8821	-68363	-14891	-14891	1	Si
97	0.128	7.6	0	4760	SLV 9	6944	8821	68363	14891	14891	1	Si
97	0.128	7.6	0	-12037	SLV 7	-14221	-8821	-68363	-14891	-14891	1	Si
110	0.128	7.6	0	4670	SLV 9	6853	8821	68363	14891	14891	1	Si
110	0.128	7.6	0	-12127	SLV 7	-14311	-8821	-68363	-14891	-14891	1	Si
123	0.128	7.6	0	4579	SLV 9	6763	8821	68363	14891	14891	1	Si
123	0.128	7.6	0	-12218	SLV 7	-14402	-8821	-68363	-14891	-14891	1	Si
136	0.128	7.6	0	4489	SLV 9	6672	8821	68363	14891	14891	1	Si
136	0.128	7.6	0	-12308	SLV 7	-14492	-8821	-68363	-14891	-14891	1	Si
149	0.128	7.6	0	4398	SLV 9	6582	8821	68363	14891	14891	1	Si
149	0.128	13.46	0	-12399	SLV 7	-14583	-10669	-68363	-14891	-14891	1	Si
155	0.128	7.6	0	4353	SLV 9	6537	8821	68363	14891	14891	1	Si
155	0.128	14.37	0	-12444	SLV 7	-14628	-10906	-68363	-14891	-14891	1	Si
164	0.128	7.6	0	4292	SLV 9	6475	8821	68363	14891	14891	1	Si
164	0.128	15.28	0	-12506	SLV 7	-14689	-11132	-68363	-14891	-14891	1	Si
168	0	7.6	0	4263	SLV 9	6446	8821	68363	0	8821	1	Si
168	0	16.2	0	-12535	SLV 7	-14718	-11350	-68363	0	-11350	1	Si
181	0	7.6	0	4172	SLV 9	6356	8821	68363	0	8821	1	Si
181	0	18.03	0	-12625	SLV 7	-14809	-11762	-68363	0	-11762	1	Si
194	0	7.6	0	4082	SLV 9	6265	8821	68363	0	8821	1	Si
194	0	19.01	0	-12716	SLV 7	-14899	-11971	-68363	0	-11971	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	754	SLD 9	754	8821	68363	0	8821	1	Si
0	0	7.6	0	-6673	SLD 7	-6673	-8821	-68363	0	-8821	1	Si
13	0	7.6	0	663	SLD 9	663	8821	68363	0	8821	1	Si
13	0	7.6	0	-6764	SLD 7	-6764	-8821	-68363	0	-8821	1	Si
15	0.128	7.6	0	649	SLD 9	649	8821	68363	14891	14891	1	Si
15	0.128	7.6	0	-6778	SLD 7	-6778	-8821	-68363	-14891	-14891	1	Si
26	0.128	7.6	0	573	SLD 9	573	8821	68363	14891	14891	1	Si
26	0.128	7.6	0	-6854	SLD 7	-6854	-8821	-68363	-14891	-14891	1	Si
39	0.128	7.6	0	482	SLD 9	482	8821	68363	14891	14891	1	Si
39	0.128	7.6	0	-6945	SLD 7	-6945	-8821	-68363	-14891	-14891	1	Si
52	0.128	7.6	0	392	SLD 9	392	8821	68363	14891	14891	1	Si
52	0.128	7.6	0	-7035	SLD 7	-7035	-8821	-68363	-14891	-14891	1	Si
58	0.128	7.6	0	347	SLD 9	347	8821	68363	14891	14891	1	Si
58	0.128	7.6	0	-7081	SLD 7	-7081	-8821	-68363	-14891	-14891	1	Si
71	0.128	7.6	0	256	SLD 9	256	8821	68363	14891	14891	1	Si
71	0.128	7.6	0	-7171	SLD 7	-7171	-8821	-68363	-14891	-14891	1	Si
84	0.128	7.6	0	166	SLD 9	166	8821	68363	14891	14891	1	Si
84	0.128	7.6	0	-7261	SLD 7	-7261	-8821	-68363	-14891	-14891	1	Si
97	0.128	7.6	0	75	SLD 9	75	8821	68363	14891	14891	1	Si
97	0.128	7.6	0	-7352	SLD 7	-7352	-8821	-68363	-14891	-14891	1	Si
110	0.128	7.6	0	-7442	SLD 7	-7442	-8821	-68363	-14891	-14891	1	Si
123	0.128	7.6	0	-7533	SLD 7	-7533	-8821	-68363	-14891	-14891	1	Si
136	0.128	7.6	0	-7623	SLD 7	-7623	-8821	-68363	-14891	-14891	1	Si
149	0.128	13.46	0	-7714	SLD 7	-7714	-10669	-68363	-14891	-14891	1	Si
155	0.128	14.37	0	-7759	SLD 7	-7759	-10906	-68363	-14891	-14891	1	Si
164	0.128	15.28	0	-7821	SLD 7	-7821	-11132	-68363	-14891	-14891	1	Si
168	0	16.2	0	-7850	SLD 7	-7850	-11350	-68363	0	-11350	1	Si
181	0	18.03	0	-7940	SLD 7	-7940	-11762	-68363	0	-11762	1	Si
194	0	19.01	0	-8031	SLD 7	-8031	-11971	-68363	0	-11971	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	198352	8	170370	4.4	124.5	66.6	1837	144204	1	120097	5.4	93.4	0	+∞	Si
13	149589	8	149024	3.9	124.5	58.2	1837	102121	1	101629	4.6	93.4	0	+∞	Si
15	141632	8	141632	3.7	124.5	55.4	1837	95234	1	95234	4.3	93.4	0	+∞	Si
26	99657	8	141632	3.7	124.5	55.4	1837	58867	1	95234	4.3	93.4	0	+∞	Si
39	52319	9	141632	3.7	124.5	55.4	1837	17670	2	95234	4.3	93.4	0	+∞	Si
52	3823	9	112146	2.9	124.5	43.8	1837								Si
52	-31150	1	-137983	3.6	124.5	53.9	1837	-31150	1	-137983	6.2	93.4	0	+∞	Si
58	-54385	1	-162534	4.2	124.5	63.5	1837	-54385	1	-162534	7.3	93.4	0	+∞	Si
71	-101733	1	-212513	5.5	124.5	83.1	1837	-101733	1	-212513	9.5	93.4	0	+∞	Si
84	-150251	1	-268467	9.8	124.5	342.1	1837	-150251	1	-263661	9.6	93.4	0	+∞	Si
97	-199939	1	-326945	11.4	124.5	368.7	1837	-199939	1	-315980	11	93.4	0	+∞	Si
110	-254385	6	-387113	13	124.5	391.9	1837	-250797	1	-369468	12.4	93.4	0	+∞	Si
123	-312128	8	-448450	14.6	124.5	412	1837	-302824	1	-424126	13.8	93.4	0	+∞	Si
136	-372005	8	-506587	16.5	124.5	463.9	1837	-356022	1	-476047	15.5	93.4	0	+∞	Si
149	-433052	8	-506587	16.5	124.5	463.9	1837	-410389	1	-476047	15.5	93.4	0	+∞	Si
155	-464013	8	-506587	16.5	124.5	463.9	1837	-438011	1	-476047	15.5	93.4	0	+∞	Si
164	-506587	8	-506587	16.5	124.5	463.9	1837	-476047	1	-476047	15.5	93.4	0	+∞	Si
168	-526815	8	-525393	17.1	124.5	481.1	1837	-494133	1	-492859	16	93.4	0	+∞	Si
181	-590786	8	-566122	18.4	124.5	518.4	1837	-551425	1	-529271	17.2	93.4	0	+∞	Si
194	-655927	8	-579699	18.8	124.5	530.8	1837	-609887	1	-541409	17.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
13	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
15	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
26	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	2	-0.002	2	9999	Si
39	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.003	2	9999	Si
52	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.003	2	-0.004	2	9999	Si
58	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
71	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si
84	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	2	-0.006	2	9999	Si
97	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
110	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	2	-0.007	2	9999	Si
123	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.007	2	9999	Si
136	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	2	-0.007	2	9999	Si
149	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	2	-0.006	2	9999	Si
155	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	2	-0.005	2	9999	Si
164	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si
168	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
181	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	-3065	-10582	-14891	SLV 7	0.4	933	1.117	92505	83142	962923	SLV 13	0.57	2474	1.666	Si
26	-3141	-10582	-14891	SLV 7	0.4	918	1.11	-35437	-408289	-962923	SLV 7	0.57	2474	1.666	Si
39	-3231	-10582	-14891	SLV 7	0.4	901	1.101	-79254	-515966	-962923	SLV 7	0.57	2474	1.666	Si
52	-3322	-10582	-14891	SLV 7	0.4	884	1.093	-124241	-623837	-962923	SLV 7	0.48	1517	1.364	Si
58	-3367	-10582	-14891	SLV 7	0.39	876	1.089	-147173	-677827	-962923	SLV 7	0.43	1131	1.209	Si
71	-3457	-10582	-14891	SLV 7	0.39	859	1.08	-193915	-785889	-962923	SLV 7	0.36	675	0.978	No
84	-3548	-10582	-14891	SLV 7	0.39	843	1.072	-241826	894039	963532	SLV 9	0.48	1528	1.368	Si
97	-3638	-10582	-14891	SLV 7	0.39	826	1.063	-290908	1002256	963637	SLV 9	0.45	1255	1.262	Si
110	-3729	-10582	-14891	SLV 7	0.38	810	1.054	-341159	1110527	963723	SLV 9	0.42	1062	1.178	Si
123	-3819	-10582	-14891	SLV 7	0.38	794	1.046	-392580	1218839	963793	SLV 9	0.4	923	1.112	Si
136	-3910	-10582	-14891	SLV 7	0.38	779	1.038	-441488	1319679	963795	SLV 9	0.39	829	1.064	Si
149	-4000	-10582	-14891	SLV 7	0.37	763	1.029	-441488	1319679	963795	SLV 9	0.39	829	1.064	Si
155	-4046	-10582	-14891	SLV 7	0.37	755	1.024	-441488	1319679	963795	SLV 9	0.39	829	1.064	Si
164	-4107	-10582	-14891	SLV 7	0.37	745	1.019	-441488	1319679	963795	SLV 9	0.39	829	1.064	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	-3065	-3714	-14891	SLD 7	0.43	1074	2.978	92505	36782	962923	SLD 13	0.6	2474	4.193	Si
26	-3141	-3714	-14891	SLD 7	0.42	1055	2.956	-35437	-180614	-962923	SLD 7	0.6	2474	4.193	Si
39	-3231	-3714	-14891	SLD 7	0.42	1034	2.932	-79254	-228228	-962923	SLD 7	0.51	1808	3.687	Si
52	-3322	-3714	-14891	SLD 7	0.42	1012	2.906	-124241	-275927	-962923	SLD 7	0.41	949	2.831	Si
58	-3367	-3714	-14891	SLD 7	0.42	1002	2.895	-147173	-299800	-962923	SLD 7	0.37	725	2.535	Si
71	-3457	-3714	-14891	SLD 7	0.41	980	2.868	-193915	-347583	-962923	SLD 7	0.3	444	2.073	Si
84	-3548	-3714	-14891	SLD 7	0.41	960	2.844	-205810	359598	963532	SLD 9	0.44	1137	3.049	Si
97	-3638	-3714	-14891	SLD 7	0.41	942	2.822	-290908	406209	963637	SLD 5	0.41	989	2.879	Si
110	-3729	-3714	-14891	SLD 7	0.4	924	2.8	-341159	491130	963723	SLD 9	0.36	684	2.475	Si
123	-3819	-3714	-14891	SLD 7	0.4	906	2.777	-392580	539023	963793	SLD 9	0.34	600	2.346	Si
136	-3910	-3714	-14891	SLD 7	0.4	888	2.755	-441488	583612	963795	SLD 9	0.33	540	2.246	Si
149	-4000	-3714	-14891	SLD 7	0.39	871	2.733	-441488	583612	963795	SLD 9	0.33	540	2.246	Si
155	-4046	-3714	-14891	SLD 7	0.39	861	2.72	-441488	583612	963795	SLD 9	0.33	540	2.246	Si
164	-4107	-3714	-14891	SLD 7	0.39	849	2.704	-441488	583612	963795	SLD 9	0.33	540	2.246	Si

Campata 5 tra i fili 19 - 8, sezione R 40x70, asta 1147

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-906753	SLU 26	-809341	-2315301	0.107	Si
22	19.01	5.4	7.6	5.4						-778843	SLU 26	-768558	-2315301	0.107	Si
30	19.01	5.4	7.6	5.4						-731427	SLU 26	-731427	-2315301	0.107	Si
43	19.01	5.4	7.6	5.4						-656066	SLU 26	-731427	-2315301	0.107	Si
65	17.19	5.4	7.6	5.4						-538424	SLU 26	-697295	-2100900	0.102	Si
87	14.12	5.4	7.6	5.4						-425917	SLU 26	-577910	-1737306	0.093	Si
98	12.59	5.4	7.6	5.4						-371588	SLU 26	-520144	-1555290	0.089	Si
109	7.6	5.4	7.6	5.4						-318543	SLU 26	-463661	-962923	0.078	Si
119	7.6	5.4	7.6	5.4						-266782	SLU 26	-408461	-962923	0.078	Si
141	7.6	5.4	7.6	5.4						-167400	SLU 24	-301913	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	-39103	SLU 12	50354	962923	0.078	-75058	SLU 24	-200499	-962923	0.078	Si
184	7.6	5.4	7.6	5.4	23736	SLU 32	131161	962923	0.078	8550	SLU 1	-105959	-962923	0.078	Si
206	7.6	5.4	7.6	5.4	104455	SLU 31	208096	962923	0.078	62095	SLU 2	-17446	-962923	0.078	Si
228	7.6	5.4	7.6	5.4	182529	SLU 35	280411	962923	0.078						Si
250	7.6	5.4	9.09	5.4	256586	SLU 35	347591	1140026	0.081						Si
260	7.6	5.4	9.82	5.4	291689	SLU 35	379256	1226851	0.083						Si
282	7.6	5.4	11.28	5.4	358045	SLU 35	396357	1400437	0.086						Si
296	7.6	5.4	11.4	5.4	396357	SLU 35	396357	1414576	0.086						Si
304	7.6	5.4	11.4	5.4	419265	SLU 35	414600	1414576	0.086						Si
326	7.6	5.4	11.4	5.4	475352	SLU 35	434636	1414576	0.086						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-1118084	SLV 5	-978273	-2315301	0.107	Si
22	19.01	5.4	7.6	5.4						-939606	SLV 5	-923058	-2315301	0.107	Si
30	19.01	5.4	7.6	5.4						-872787	SLV 5	-872787	-2315301	0.107	Si
43	19.01	5.4	7.6	5.4						-766108	SLV 5	-872787	-2315301	0.107	Si
65	17.19	5.4	7.6	5.4						-598565	SLV 5	-824533	-2100900	0.102	Si
87	14.12	5.4	7.6	5.4						-439716	SLV 5	-654847	-1737306	0.093	Si
98	12.59	5.4	7.6	5.4						-366408	SLV 5	-572589	-1555290	0.089	Si
119	7.6	5.4	7.6	5.4	-104101	SLV 9	66922	962923	0.078	-261525	SLV 7	-416162	-962923	0.078	Si
141	7.6	5.4	7.6	5.4	18138	SLV 9	213027	962923	0.078	-247176	SLV 7	-271716	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	163216	SLV 9	358924	962923	0.078	-263565	SLV 7	-299504	-962923	0.078	Si
184	7.6	5.4	7.6	5.4	309695	SLV 9	502297	962923	0.078	-289255	SLV 7	-332668	-962923	0.078	Si
206	7.6	5.4	7.6	5.4	454069	SLV 9	642425	962923	0.078	-320738	SLV 7	-370485	-962923	0.078	Si
228	7.6	5.4	7.6	5.4	595354	SLV 9	779007	962923	0.078	-357033	SLV 7	-412656	-962923	0.078	Si
239	7.6	5.4	7.6	5.4	664709	SLV 9	845918	962923	0.078	-376854	SLV 7	-435323	-962923	0.078	Si
250	7.6	5.4	9.09	5.4	733166	SLV 9	911891	1140026	0.081	-397753	SLV 7	-459028	-963138	0.079	Si
260	7.6	5.4	9.82	5.4	800708	SLV 9	976920	1226851	0.083	-419711	SLV 7	-483762	-963224	0.079	Si
282	7.6	5.4	11.28	5.4	932992	SLV 9	1012739	1400437	0.086	-466751	SLV 7	-497961	-963367	0.08	Si
296	7.6	5.4	11.4	5.4	1012739	SLV 9	1012739	1414576	0.086	-497961	SLV 7	-497961	-963377	0.08	Si
304	7.6	5.4	11.4	5.4	1061484	SLV 9	1051442	1414576	0.086	-517900	SLV 7	-513667	-963377	0.08	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
326	7.6	5.4	11.4	5.4	1186140	SLV 9	1093950	1414576	0.086	-573110	SLV 7	-530917	-963377	0.08	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-843065	SLD 5	-743139	-2315301	0.107	Si
22	19.01	5.4	7.6	5.4						-714191	SLD 5	-702858	-2315301	0.107	Si
30	19.01	5.4	7.6	5.4						-666183	SLD 5	-666183	-2315301	0.107	Si
43	19.01	5.4	7.6	5.4						-589718	SLD 5	-666183	-2315301	0.107	Si
65	17.19	5.4	7.6	5.4						-470075	SLD 5	-631572	-2100900	0.102	Si
87	14.12	5.4	7.6	5.4						-356472	SLD 5	-510236	-1737306	0.093	Si
98	12.59	5.4	7.6	5.4						-303216	SLD 5	-451534	-1555290	0.089	Si
119	7.6	5.4	7.6	5.4						-217201	SLD 7	-339361	-962923	0.078	Si
141	7.6	5.4	7.6	5.4	-55814	SLD 9	77718	962923	0.078	-173224	SLD 7	-232237	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	44138	SLD 9	174955	962923	0.078	-144487	SLD 7	-185826	-962923	0.078	Si
184	7.6	5.4	7.6	5.4	142394	SLD 9	268849	962923	0.078	-121954	SLD 7	-153575	-962923	0.078	Si
206	7.6	5.4	7.6	5.4	237483	SLD 9	359094	962923	0.078	-104153	SLD 7	-129167	-962923	0.078	Si
228	7.6	5.4	7.6	5.4	328990	SLD 9	445563	962923	0.078	-90669	SLD 7	-109816	-962923	0.078	Si
239	7.6	5.4	7.6	5.4	373345	SLD 9	487359	962923	0.078	-85490	SLD 7	-101817	-962923	0.078	Si
250	7.6	5.4	9.09	5.4	416752	SLD 9	528190	1140026	0.081	-81338	SLD 7	-94887	-963138	0.079	Si
260	7.6	5.4	9.82	5.4	459202	SLD 9	568051	1226851	0.083	-78204	SLD 7	-89005	-963224	0.079	Si
282	7.6	5.4	11.28	5.4	541209	SLD 9	589847	1400437	0.086	-74969	SLD 7	-80331	-963367	0.08	Si
296	7.6	5.4	11.4	5.4	589847	SLD 9	589847	1414576	0.086	-75069	SLD 7	-77023	-963377	0.08	Si
304	7.6	5.4	11.4	5.4	619335	SLD 9	613294	1414576	0.086	-75750	SLD 7	-75519	-963377	0.08	Si
326	7.6	5.4	11.4	5.4	693560	SLD 9	639046	1414576	0.086	-80530	SLD 7	-76013	-963377	0.08	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.19	0	5495	SLU 35	5495	11578	68363	0	11578	1	Si
22	0	14.12	0	5279	SLU 35	5279	10843	68363	0	10843	1	Si
30	0.061	12.59	0	5197	SLU 35	5197	10435	68363	7032	10435	1	Si
43	0.061	7.6	0	5063	SLU 35	5063	8821	68363	7032	8821	1	Si
65	0.061	7.6	0	4847	SLU 35	4847	8821	68363	7032	8821	1	Si
87	0.061	7.6	0	4631	SLU 35	4631	8821	68363	7032	8821	1	Si
98	0.061	7.6	0	4523	SLU 35	4523	8821	68363	7032	8821	1	Si
119	0.061	7.6	0	4307	SLU 35	4307	8821	68363	7032	8821	1	Si
141	0.061	7.6	0	4090	SLU 35	4090	8821	68363	7032	8821	1	Si
163	0.061	7.6	0	3874	SLU 35	3874	8821	68363	7032	8821	1	Si
184	0.061	7.6	0	3658	SLU 35	3658	8821	68363	7032	8821	1	Si
206	0.061	7.6	0	3442	SLU 35	3442	8821	68363	7032	8821	1	Si
228	0.061	7.6	0	3226	SLU 35	3226	8821	68363	7032	8821	1	Si
250	0.061	7.6	0	3010	SLU 35	3010	8821	68363	7032	8821	1	Si
260	0.061	7.6	0	2902	SLU 35	2902	8821	68363	7032	8821	1	Si
282	0.061	7.6	0	2685	SLU 35	2685	8821	68363	7032	8821	1	Si
296	0.061	7.6	0	2552	SLU 35	2552	8821	68363	7032	8821	1	Si
304	0	7.6	0	2469	SLU 35	2469	8821	68363	0	8821	1	Si
326	0	9.82	0	2253	SLU 35	2253	9607	68363	0	9607	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.19	0	7678	SLV 9	8668	11578	68363	0	11578	1	Si
0	0	17.19	0	67	SLV 7	-922	-11578	-68363	0	-11578	1	Si
22	0	14.12	0	7512	SLV 9	8502	10843	68363	0	10843	1	Si
22	0	14.12	0	-99	SLV 7	-1089	-10843	-68363	0	-10843	1	Si
30	0.061	12.59	0	7449	SLV 9	8438	10435	68363	7032	10435	1	Si
30	0.061	12.59	0	-163	SLV 7	-1152	-10435	-68363	-7032	-10435	1	Si
43	0.061	7.6	0	7346	SLV 9	8335	8821	68363	7032	8821	1	Si
43	0.061	7.6	0	-265	SLV 7	-1255	-8821	-68363	-7032	-8821	1	Si
65	0.061	7.6	0	7180	SLV 9	8169	8821	68363	7032	8821	1	Si
65	0.061	7.6	0	-432	SLV 7	-1421	-8821	-68363	-7032	-8821	1	Si
87	0.061	7.6	0	7013	SLV 9	8003	8821	68363	7032	8821	1	Si
87	0.061	7.6	0	-598	SLV 7	-1587	-8821	-68363	-7032	-8821	1	Si
98	0.061	7.6	0	6930	SLV 9	7920	8821	68363	7032	8821	1	Si
98	0.061	7.6	0	-681	SLV 7	-1671	-8821	-68363	-7032	-8821	1	Si
119	0.061	7.6	0	6764	SLV 9	7753	8821	68363	7032	8821	1	Si
119	0.061	7.6	0	-847	SLV 7	-1837	-8821	-68363	-7032	-8821	1	Si
141	0.061	7.6	0	6598	SLV 9	7587	8821	68363	7032	8821	1	Si
141	0.061	7.6	0	-1014	SLV 7	-2003	-8821	-68363	-7032	-8821	1	Si
163	0.061	7.6	0	6431	SLV 9	7421	8821	68363	7032	8821	1	Si
163	0.061	7.6	0	-1180	SLV 7	-2169	-8821	-68363	-7032	-8821	1	Si
184	0.061	7.6	0	6265	SLV 9	7254	8821	68363	7032	8821	1	Si
184	0.061	7.6	0	-1346	SLV 7	-2336	-8821	-68363	-7032	-8821	1	Si
206	0.061	7.6	0	6099	SLV 9	7088	8821	68363	7032	8821	1	Si
206	0.061	7.6	0	-1512	SLV 7	-2502	-8821	-68363	-7032	-8821	1	Si
228	0.061	7.6	0	5932	SLV 9	6922	8821	68363	7032	8821	1	Si
228	0.061	7.6	0	-1679	SLV 7	-2668	-8821	-68363	-7032	-8821	1	Si
250	0.061	7.6	0	5766	SLV 9	6756	8821	68363	7032	8821	1	Si
250	0.061	7.6	0	-1845	SLV 7	-2834	-8821	-68363	-7032	-8821	1	Si
260	0.061	7.6	0	5683	SLV 9	6672	8821	68363	7032	8821	1	Si
260	0.061	7.6	0	-1928	SLV 7	-2918	-8821	-68363	-7032	-8821	1	Si
282	0.061	7.6	0	5517	SLV 9	6506	8821	68363	7032	8821	1	Si
282	0.061	7.6	0	-2094	SLV 7	-3084	-8821	-68363	-7032	-8821	1	Si
296	0.061	7.6	0	5414	SLV 9	6404	8821	68363	7032	8821	1	Si
296	0.061	7.6	0	-2197	SLV 7	-3187	-8821	-68363	-7032	-8821	1	Si
304	0	7.6	0	5351	SLV 9	6340	8821	68363	0	8821	1	Si
304	0	7.6	0	-2261	SLV 7	-3250	-8821	-68363	0	-8821	1	Si
326	0	9.82	0	5184	SLV 9	6174	9607	68363	0	9607	1	Si
326	0	7.6	0	-2427	SLV 7	-3416	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.19	0	5544	SLD 9	5544	11578	68363	0	11578	1	Si
22	0	14.12	0	5378	SLD 9	5378	10843	68363	0	10843	1	Si
30	0.061	12.59	0	5314	SLD 9	5314	10435	68363	7032	10435	1	Si
43	0.061	7.6	0	5212	SLD 9	5212	8821	68363	7032	8821	1	Si
65	0.061	7.6	0	5045	SLD 9	5045	8821	68363	7032	8821	1	Si
87	0.061	7.6	0	4879	SLD 9	4879	8821	68363	7032	8821	1	Si
98	0.061	7.6	0	4796	SLD 9	4796	8821	68363	7032	8821	1	Si
119	0.061	7.6	0	4630	SLD 9	4630	8821	68363	7032	8821	1	Si
141	0.061	7.6	0	4463	SLD 9	4463	8821	68363	7032	8821	1	Si
163	0.061	7.6	0	4297	SLD 9	4297	8821	68363	7032	8821	1	Si
184	0.061	7.6	0	4131	SLD 9	4131	8821	68363	7032	8821	1	Si
206	0.061	7.6	0	3965	SLD 9	3965	8821	68363	7032	8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
228	0.061	7.6	0	3798	SLD 9	3798	8821	68363	7032	8821	1	Si
250	0.061	7.6	0	3632	SLD 9	3632	8821	68363	7032	8821	1	Si
260	0.061	7.6	0	3549	SLD 9	3549	8821	68363	7032	8821	1	Si
282	0.061	7.6	0	3383	SLD 9	3383	8821	68363	7032	8821	1	Si
296	0.061	7.6	0	3280	SLD 9	3280	8821	68363	7032	8821	1	Si
296	0.061	7.6	0	-63	SLD 7	-63	-8821	-68363	-7032	-8821	1	Si
304	0	7.6	0	3216	SLD 9	3216	8821	68363	0	8821	1	Si
304	0	7.6	0	-127	SLD 7	-127	-8821	-68363	0	-8821	1	Si
326	0	9.82	0	3050	SLD 9	3050	9607	68363	0	9607	1	Si
326	0	7.6	0	-293	SLD 7	-293	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-691862	8	-617380	20.1	124.5	565.4	1837	-661240	1	-589843	19.2	93.4	0	+∞	Si
22	-594070	8	-586207	19.1	124.5	536.8	1837	-567557	1	-560028	18.2	93.4	0	+∞	Si
30	-557825	8	-557825	18.1	124.5	510.8	1837	-532883	1	-532883	17.3	93.4	0	+∞	Si
43	-500227	8	-557825	18.1	124.5	510.8	1837	-477823	1	-532883	17.3	93.4	0	+∞	Si
65	-410333	8	-531737	17.9	124.5	535.8	1837	-392039	1	-507939	17.1	93.4	0	+∞	Si
87	-324389	8	-440504	15.8	124.5	535.8	1837	-310205	1	-420815	15.1	93.4	0	+∞	Si
98	-282899	8	-396368	14.8	124.5	538.4	1837	-270769	1	-378734	14.1	93.4	0	+∞	Si
119	-202879	8	-311058	8.1	124.5	121.6	1837	-194859	1	-297534	13.3	93.4	0	+∞	Si
141	-127002	6	-229699	6	124.5	89.8	1837	-122899	1	-220284	9.9	93.4	0	+∞	Si
163	-56345	6	-152289	4	124.5	59.5	1837	-54888	1	-146983	6.6	93.4	0	+∞	Si
184	16632	5	98834	2.6	124.5	38.6	1837	10220	2	88679	4	93.4	0	+∞	Si
206	78448	4	157422	4.1	124.5	61.5	1837	69285	1	143501	6.4	93.4	0	+∞	Si
228	137974	8	212404	5.5	124.5	83	1837	125447	1	194373	8.7	93.4	0	+∞	Si
250	194296	8	263436	11	124.5	489.7	1837	177660	1	241295	10.1	93.4	0	+∞	Si
260	220976	8	287471	11.7	124.5	495.9	1837	202285	1	263275	10.7	93.4	0	+∞	Si
282	271374	8	300447	11.7	124.5	453.4	1837	248573	1	275107	10.7	93.4	0	+∞	Si
296	300447	8	300447	11.6	124.5	448.9	1837	275107	1	275107	10.6	93.4	0	+∞	Si
304	317822	8	314285	12.1	124.5	469.5	1837	290911	1	287709	11.1	93.4	0	+∞	Si
326	360320	8	329484	12.7	124.5	492.2	1837	329300	1	301549	11.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	-0.002	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	2	-0.005	2	9999	Si
30	-0.003	-0.004	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
43	-0.004	-0.005	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
65	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.009	2	-0.01	2	9999	Si
87	-0.005	-0.006	-0.004	-0.004	-0.005	-0.006	-0.004	-0.004	-0.005	-0.006	-0.01	2	-0.011	2	9999	Si
98	-0.005	-0.006	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	2	-0.011	2	9999	Si
119	-0.004	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.009	2	-0.01	2	9999	Si
141	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
163	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
184	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
206	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
228	0	0	0	0	0	0	0	0	0	0	0	2	-0.001	2	9999	Si
250	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
260	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	1	0.001	1	9999	Si
282	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
296	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
304	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	1	0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
30	3643	4795	10435	SLV 9	0.51	1743	1.443	-505739	367048	963795	SLV 11	0.57	2474	1.666	Si
43	3540	4795	8821	SLV 9	0.4	900	1.101	-505739	367048	963795	SLV 11	0.57	2474	1.666	Si
65	3374	4795	8821	SLV 9	0.41	971	1.136	-481816	342717	963725	SLV 11	0.57	2474	1.666	Si
87	3208	4795	8821	SLV 9	0.42	1051	1.173	-398359	-256489	-1737306	SLV 5	0.57	2474	1.666	Si
98	3125	4795	8821	SLV 9	0.43	1093	1.192	-358111	-214478	-1555290	SLV 5	0.57	2474	1.666	Si
119	2958	4795	8821	SLV 9	0.44	1179	1.23	-280577	-135585	-962923	SLV 5	0.57	2474	1.666	Si
141	2792	4795	8821	SLV 9	0.45	1270	1.268	-29345	-242371	-962923	SLV 7	0.57	2474	1.666	Si
163	2626	4795	8821	SLV 9	0.46	1365	1.306	29710	329214	962923	SLV 9	0.57	2474	1.666	Si
184	2459	4795	8821	SLV 9	0.48	1464	1.344	84815	417483	962923	SLV 9	0.57	2474	1.666	Si
206	2293	4795	8821	SLV 9	0.49	1568	1.382	135970	506455	962923	SLV 9	0.57	2474	1.666	Si
228	2127	4795	8821	SLV 9	0.5	1677	1.421	183176	595831	962923	SLV 9	0.47	1412	1.324	Si
250	1961	4795	8821	SLV 9	0.51	1790	1.459	226432	685460	1140026	SLV 9	0.48	1482	1.351	Si
260	1877	4795	8821	SLV 9	0.52	1849	1.479	246579	730341	1226851	SLV 9	0.48	1510	1.361	Si
282	1711	4795	8821	SLV 9	0.53	1971	1.518	257389	755350	1400437	SLV 9	0.54	2082	1.553	Si
296	1608	4795	8821	SLV 9	0.54	2048	1.542	257389	755350	1414576	SLV 9	0.55	2151	1.573	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
30	3643	1671	10435	SLD 9	0.54	2058	3.888	-505739	160444	963795	SLD 11	0.6	2474	4.193	Si
43	3540	1671	8821	SLD 9	0.42	1051	2.952	-505739	160444	963795	SLD 11	0.6	2474	4.193	Si
65	3374	1671	8821	SLD 9	0.44	1143	3.055	-481816	149756	963725	SLD 11	0.6	2474	4.193	Si
87	3208	1671	8821	SLD 9	0.45	1237	3.156	-398359	-111878	-1737306	SLD 5	0.6	2474	4.193	Si
98	3125	1671	8821	SLD 9	0.45	1287	3.207	-358111	-93423	-1555290	SLD 5	0.6	2474	4.193	Si
119	2958	1671	8821	SLD 9	0.47	1389	3.309	-280577	-58784	-962923	SLD 5	0.6	2474	4.193	Si
141	2792	1671	8821	SLD 9	0.48	1495	3.411	-29345	-107063	-962923	SLD 7	0.6	2474	4.193	Si
163	2626	1671	8821	SLD 9	0.49	1608	3.514	29710	145245	962923	SLD 9	0.6	2474	4.193	Si
184	2459	1671	8821	SLD 9	0.5	1727	3.618	84815	184034	962923	SLD 9	0.6	2474	4.193	Si
206	2293	1671	8821	SLD 9	0.52	1850	3.722	135970	223124	962923	SLD 9	0.49	1608	3.514	Si
228	2127	1671	8821	SLD 9	0.53	1979	3.826	183176	262387	962923	SLD 9	0.4	899	2.769	Si
250	1961	1671	8821	SLD 9	0.54	2113	3.93	226432	301758	1140026	SLD 9	0.41	940	2.82	Si
260	1877	1671	8821	SLD 9	0.55	2183	3.983	246579	321473	1226851	SLD 9	0.41	957	2.841	Si
282	1711	1671	8821	SLD 9	0.56	2325	4.088	257389	332458	1400437	SLD 9	0.46	1317	3.238	Si
296	1608	1671	8821	SLD 9	0.57	2416	4.152	257389	332458	1414576	SLD 9	0.46	1361	3.282	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 43-9

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 43 - ?, sezione R 40x70, asta 1138

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	122708	SLU 26	122708	962923	0.078	-13944	SLU 11	-13944	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	195604	SLU 26	265634	962923	0.078						Si
35	7.6	5.4	7.6	5.4	214762	SLU 26	282398	962923	0.078						Si
70	7.6	5.4	7.6	5.4	295659	SLU 26	355409	962923	0.078						Si
105	7.6	5.4	7.6	5.4	367605	SLU 35	420765	962923	0.078						Si
140	7.6	5.4	7.6	5.4	431066	SLU 35	474964	962923	0.078						Si
158	7.6	5.4	7.6	5.4	458613	SLU 35	497880	962923	0.078						Si
193	7.6	5.4	7.6	5.4	505339	SLU 35	535343	962923	0.078						Si
228	7.6	5.4	7.6	5.4	540909	SLU 35	561649	962923	0.078						Si
263	7.6	5.4	7.6	5.4	565321	SLU 35	576799	962923	0.078						Si
298	7.6	5.4	7.6	5.4	578576	SLU 35	581019	962923	0.078						Si
333	7.6	5.4	7.6	5.4	580674	SLU 35	581019	962923	0.078						Si
368	7.6	5.4	7.6	5.4	571615	SLU 35	579609	962923	0.078						Si
385	7.6	5.4	7.6	5.4	562901	SLU 35	575527	962923	0.078						Si
420	7.6	5.4	7.6	5.4	537107	SLU 35	558995	962923	0.078						Si
455	7.6	5.4	7.6	5.4	501699	SLU 36	531307	962923	0.078						Si
490	7.6	5.4	7.6	5.4	457545	SLU 36	494676	962923	0.078						Si
510	7.6	5.4	7.6	5.4	427123	SLU 36	469685	962923	0.078						Si
525	7.6	5.4	7.6	5.4	402234	SLU 36	402234	962923	0.078						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	897667	SLV 7	897425	962923	0.078	-822314	SLV 9	-762757	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	894778	SLV 7	894778	962923	0.078	-705562	SLV 9	-705562	-962923	0.078	Si
35	7.6	5.4	7.6	5.4	893402	SLV 7	894778	962923	0.078	-674244	SLV 9	-705562	-962923	0.078	Si
70	7.6	5.4	7.6	5.4	880562	SLV 7	891586	962923	0.078	-534763	SLV 9	-650198	-962923	0.078	Si
105	7.6	5.4	7.6	5.4	859148	SLV 7	877290	962923	0.078	-403873	SLV 9	-512175	-962923	0.078	Si
140	7.6	5.4	7.6	5.4	829164	SLV 7	854421	962923	0.078	-281577	SLV 9	-382744	-962923	0.078	Si
158	7.6	5.4	7.6	5.4	810960	SLV 7	839773	962923	0.078	-223654	SLV 9	-321252	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	768134	SLV 11	793026	962923	0.078	-114263	SLV 5	-193690	-962923	0.078	Si
228	7.6	5.4	7.6	5.4	716762	SLV 11	759774	962923	0.078	-13492	SLV 5	-96788	-962923	0.078	Si
263	7.6	5.4	7.6	5.4	656875	SLV 11	706955	962923	0.078						Si
298	7.6	5.4	7.6	5.4	588540	SLV 11	645629	962923	0.078						Si
333	7.6	5.4	7.6	5.4	511952	SLV 11	575879	962923	0.078						Si
368	7.6	5.4	7.6	5.4	427853	SLV 11	497957	962923	0.078						Si
385	7.6	5.4	7.6	5.4	384351	SLV 11	456175	962923	0.078						Si
420	7.6	5.4	7.6	5.4	391576	SLV 9	428246	962923	0.078						Si
455	7.6	5.4	7.6	5.4	435387	SLV 9	465661	962923	0.078						Si
490	7.6	5.4	7.6	5.4	471432	SLV 9	488165	962923	0.078	55215	SLV 7	-14840	-962923	0.078	Si
510	7.6	5.4	7.6	5.4	488165	SLV 9	488165	962923	0.078	-14840	SLV 7	-14840	-962923	0.078	Si
525	7.6	5.4	7.6	5.4	499123	SLV 9	494019	962923	0.078	-68976	SLV 7	-41627	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	417894	SLD 7	417894	962923	0.078	-342541	SLD 9	-299663	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	448375	SLD 7	475193	962923	0.078	-259160	SLD 9	-259160	-962923	0.078	Si
35	7.6	5.4	7.6	5.4	456119	SLD 7	481095	962923	0.078	-236961	SLD 9	-259160	-962923	0.078	Si
70	7.6	5.4	7.6	5.4	485765	SLD 7	503619	962923	0.078	-139966	SLD 9	-220128	-962923	0.078	Si
105	7.6	5.4	7.6	5.4	506832	SLD 7	517566	962923	0.078	-51557	SLD 9	-124591	-962923	0.078	Si
140	7.6	5.4	7.6	5.4	519322	SLD 7	522352	962923	0.078	28264	SLD 9	-37640	-962923	0.078	Si
158	7.6	5.4	7.6	5.4	522352	SLD 7	523239	962923	0.078						Si
193	7.6	5.4	7.6	5.4	521983	SLD 11	523239	962923	0.078						Si
228	7.6	5.4	7.6	5.4	513047	SLD 11	520829	962923	0.078						Si
263	7.6	5.4	7.6	5.4	495559	SLD 11	510441	962923	0.078						Si
298	7.6	5.4	7.6	5.4	469548	SLD 11	491503	962923	0.078						Si
333	7.6	5.4	7.6	5.4	435099	SLD 11	464054	962923	0.078						Si
368	7.6	5.4	7.6	5.4	392541	SLD 11	428202	962923	0.078						Si
385	7.6	5.4	7.6	5.4	368818	SLD 11	407234	962923	0.078						Si
420	7.6	5.4	7.6	5.4	359520	SLD 9	361545	962923	0.078						Si
455	7.6	5.4	7.6	5.4	361555	SLD 9	361555	962923	0.078						Si
490	7.6	5.4	7.6	5.4	355365	SLD 9	360862	962923	0.078						Si
510	7.6	5.4	7.6	5.4	347892	SLD 9	357511	962923	0.078						Si
525	7.6	5.4	7.6	5.4	340694	SLD 9	340694	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3041	SLU 36	3041	8821	68363	0	8821	1	Si
28	0.06	7.6	0	2790	SLU 36	2790	8821	68363	7011	8821	1	Si
35	0.06	7.6	0	2722	SLU 36	2722	8821	68363	7011	8821	1	Si
70	0.06	7.6	0	2403	SLU 36	2403	8821	68363	7011	8821	1	Si
105	0.06	7.6	0	2085	SLU 36	2085	8821	68363	7011	8821	1	Si
140	0.06	7.6	0	1766	SLU 36	1766	8821	68363	7011	8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
158	0.06	7.6	0	1607	SLU 36	1607	8821	68363	7011	8821	1	Si
193	0.06	7.6	0	1288	SLU 36	1288	8821	68363	7011	8821	1	Si
228	0.06	7.6	0	969	SLU 36	969	8821	68363	7011	8821	1	Si
263	0.06	7.6	0	651	SLU 36	651	8821	68363	7011	8821	1	Si
298	0.06	7.6	0	383	SLU 18	383	8821	68363	7011	8821	1	Si
298	0.06	7.6	0	-63	SLU 19	-63	-8821	-68363	-7011	-8821	1	Si
333	0.06	7.6	0	138	SLU 18	138	8821	68363	7011	8821	1	Si
333	0.06	7.6	0	-382	SLU 19	-382	-8821	-68363	-7011	-8821	1	Si
368	0.06	7.6	0	-700	SLU 19	-700	-8821	-68363	-7011	-8821	1	Si
385	0.06	7.6	0	-860	SLU 19	-860	-8821	-68363	-7011	-8821	1	Si
420	0.06	7.6	0	-1178	SLU 19	-1178	-8821	-68363	-7011	-8821	1	Si
455	0.06	7.6	0	-1497	SLU 19	-1497	-8821	-68363	-7011	-8821	1	Si
490	0.06	7.6	0	-1815	SLU 19	-1815	-8821	-68363	-7011	-8821	1	Si
510	0.06	7.6	0	-1998	SLU 19	-1998	-8821	-68363	-7011	-8821	1	Si
525	0	7.6	0	-2134	SLU 19	-2134	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4352	SLV 9	4918	8821	68363	0	8821	1	Si
0	0	7.6	0	0	SLV 7	-566	-8821	-68363	0	-8821	1	Si
28	0.06	7.6	0	4160	SLV 9	4725	8821	68363	7011	8821	1	Si
28	0.06	7.6	0	-193	SLV 7	-758	-8821	-68363	-7011	-8821	1	Si
35	0.06	7.6	0	4107	SLV 9	4673	8821	68363	7011	8821	1	Si
35	0.06	7.6	0	-245	SLV 7	-811	-8821	-68363	-7011	-8821	1	Si
70	0.06	7.6	0	3862	SLV 9	4428	8821	68363	7011	8821	1	Si
70	0.06	7.6	0	-490	SLV 7	-1056	-8821	-68363	-7011	-8821	1	Si
105	0.06	7.6	0	3617	SLV 9	4183	8821	68363	7011	8821	1	Si
105	0.06	7.6	0	-735	SLV 7	-1301	-8821	-68363	-7011	-8821	1	Si
140	0.06	7.6	0	3372	SLV 9	3938	8821	68363	7011	8821	1	Si
140	0.06	7.6	0	-980	SLV 7	-1546	-8821	-68363	-7011	-8821	1	Si
158	0.06	7.6	0	3249	SLV 9	3815	8821	68363	7011	8821	1	Si
158	0.06	7.6	0	-1103	SLV 7	-1669	-8821	-68363	-7011	-8821	1	Si
193	0.06	7.6	0	3004	SLV 9	3570	8821	68363	7011	8821	1	Si
193	0.06	7.6	0	-1348	SLV 7	-1914	-8821	-68363	-7011	-8821	1	Si
228	0.06	7.6	0	2759	SLV 9	3325	8821	68363	7011	8821	1	Si
228	0.06	7.6	0	-1593	SLV 7	-2159	-8821	-68363	-7011	-8821	1	Si
263	0.06	7.6	0	2514	SLV 9	3080	8821	68363	7011	8821	1	Si
263	0.06	7.6	0	-1838	SLV 7	-2404	-8821	-68363	-7011	-8821	1	Si
298	0.06	7.6	0	2269	SLV 9	2835	8821	68363	7011	8821	1	Si
298	0.06	7.6	0	-2083	SLV 7	-2649	-8821	-68363	-7011	-8821	1	Si
333	0.06	7.6	0	2024	SLV 9	2589	8821	68363	7011	8821	1	Si
333	0.06	7.6	0	-2329	SLV 7	-2894	-8821	-68363	-7011	-8821	1	Si
368	0.06	7.6	0	1779	SLV 9	2344	8821	68363	7011	8821	1	Si
368	0.06	7.6	0	-2574	SLV 7	-3139	-8821	-68363	-7011	-8821	1	Si
385	0.06	7.6	0	1656	SLV 9	2222	8821	68363	7011	8821	1	Si
385	0.06	7.6	0	-2696	SLV 7	-3262	-8821	-68363	-7011	-8821	1	Si
420	0.06	7.6	0	1411	SLV 9	1977	8821	68363	7011	8821	1	Si
420	0.06	7.6	0	-2941	SLV 7	-3507	-8821	-68363	-7011	-8821	1	Si
455	0.06	7.6	0	1166	SLV 9	1732	8821	68363	7011	8821	1	Si
455	0.06	7.6	0	-3186	SLV 7	-3752	-8821	-68363	-7011	-8821	1	Si
490	0.06	7.6	0	921	SLV 9	1486	8821	68363	7011	8821	1	Si
490	0.06	7.6	0	-3432	SLV 7	-3997	-8821	-68363	-7011	-8821	1	Si
510	0.06	7.6	0	781	SLV 9	1346	8821	68363	7011	8821	1	Si
510	0.06	7.6	0	-3572	SLV 7	-4137	-8821	-68363	-7011	-8821	1	Si
525	0	7.6	0	676	SLV 9	1241	8821	68363	0	8821	1	Si
525	0	7.6	0	-3677	SLV 7	-4242	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3138	SLD 9	3138	8821	68363	0	8821	1	Si
28	0.06	7.6	0	2946	SLD 9	2946	8821	68363	7011	8821	1	Si
35	0.06	7.6	0	2893	SLD 9	2893	8821	68363	7011	8821	1	Si
70	0.06	7.6	0	2648	SLD 9	2648	8821	68363	7011	8821	1	Si
105	0.06	7.6	0	2403	SLD 9	2403	8821	68363	7011	8821	1	Si
140	0.06	7.6	0	2158	SLD 9	2158	8821	68363	7011	8821	1	Si
158	0.06	7.6	0	2035	SLD 9	2035	8821	68363	7011	8821	1	Si
193	0.06	7.6	0	1790	SLD 9	1790	8821	68363	7011	8821	1	Si
193	0.06	7.6	0	-134	SLD 7	-134	-8821	-68363	-7011	-8821	1	Si
228	0.06	7.6	0	1545	SLD 9	1545	8821	68363	7011	8821	1	Si
228	0.06	7.6	0	-379	SLD 7	-379	-8821	-68363	-7011	-8821	1	Si
263	0.06	7.6	0	1300	SLD 9	1300	8821	68363	7011	8821	1	Si
263	0.06	7.6	0	-624	SLD 7	-624	-8821	-68363	-7011	-8821	1	Si
298	0.06	7.6	0	1055	SLD 9	1055	8821	68363	7011	8821	1	Si
298	0.06	7.6	0	-870	SLD 7	-870	-8821	-68363	-7011	-8821	1	Si
333	0.06	7.6	0	810	SLD 9	810	8821	68363	7011	8821	1	Si
333	0.06	7.6	0	-1115	SLD 7	-1115	-8821	-68363	-7011	-8821	1	Si
368	0.06	7.6	0	565	SLD 9	565	8821	68363	7011	8821	1	Si
368	0.06	7.6	0	-1360	SLD 7	-1360	-8821	-68363	-7011	-8821	1	Si
385	0.06	7.6	0	442	SLD 9	442	8821	68363	7011	8821	1	Si
385	0.06	7.6	0	-1482	SLD 7	-1482	-8821	-68363	-7011	-8821	1	Si
420	0.06	7.6	0	197	SLD 9	197	8821	68363	7011	8821	1	Si
420	0.06	7.6	0	-1727	SLD 7	-1727	-8821	-68363	-7011	-8821	1	Si
455	0.06	7.6	0	-1972	SLD 7	-1972	-8821	-68363	-7011	-8821	1	Si
490	0.06	7.6	0	-2218	SLD 7	-2218	-8821	-68363	-7011	-8821	1	Si
510	0.06	7.6	0	-2358	SLD 7	-2358	-8821	-68363	-7011	-8821	1	Si
525	0	7.6	0	-2463	SLD 7	-2463	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	84709	8	84709	2.2	124.5	33.1	1837	66171	1	66171	3	93.4	0	+∞	Si
28	142485	8	198154	5.2	124.5	77.5	1837	121327	1	174227	7.8	93.4	0	+∞	Si
35	157687	8	211514	5.5	124.5	82.7	1837	135814	1	186872	8.4	93.4	0	+∞	Si
70	222083	8	268785	7	124.5	105.1	1837	196874	1	240807	10.8	93.4	0	+∞	Si
105	277897	8	317473	8.3	124.5	124.1	1837	249353	1	286160	12.8	93.4	0	+∞	Si
140	325128	8	357579	9.3	124.5	139.8	1837	293249	1	322931	14.5	93.4	0	+∞	Si
158	345525	8	374414	9.8	124.5	146.3	1837	311978	1	338098	15.2	93.4	0	+∞	Si
193	379883	8	401647	10.5	124.5	157	1837	343001	1	361996	16.2	93.4	0	+∞	Si
228	405659	8	420297	11	124.5	164.3	1837	365441	1	377311	16.9	93.4	0	+∞	Si
263	422852	8	430365	11.2	124.5	168.2	1837	379299	1	384043	17.2	93.4	0	+∞	Si
298	431463	8	432550	11.3	124.5	169.1	1837	384575	1	384575	17.3	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
333	431491	8	432550	11.3	124.5	169.1	1837	381268	1	384378	17.2	93.4	0	+∞	Si
368	422937	8	430403	11.2	124.5	168.2	1837	369379	1	379614	17	93.4	0	+∞	Si
385	415442	8	426470	11.1	124.5	166.7	1837	360216	1	374014	16.8	93.4	0	+∞	Si
420	394015	8	412168	10.7	124.5	161.1	1837	335454	1	356376	16	93.4	0	+∞	Si
455	365034	9	389284	10.1	124.5	152.2	1837	302991	2	330157	14.8	93.4	0	+∞	Si
490	329079	9	359294	9.4	124.5	140.4	1837	263324	2	296620	13.3	93.4	0	+∞	Si
510	304539	9	338932	8.8	124.5	132.5	1837	236663	2	274137	12.3	93.4	0	+∞	Si
525	284541	9	284541	7.4	124.5	111.2	1837	215074	2	215074	9.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
28	0.007	0.005	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	1	0.013	1	9999	Si
35	0.008	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.018	1	0.017	1	9999	Si
70	0.016	0.013	0.015	0.012	0.015	0.014	0.014	0.013	0.015	0.014	0.035	1	0.033	1	9999	Si
105	0.024	0.019	0.021	0.018	0.021	0.02	0.019	0.018	0.021	0.02	0.05	1	0.047	1	9999	Si
140	0.03	0.025	0.027	0.022	0.027	0.025	0.024	0.023	0.027	0.025	0.062	1	0.06	1	8405	Si
158	0.032	0.027	0.029	0.024	0.029	0.027	0.027	0.025	0.029	0.028	0.068	1	0.065	1	7732	Si
193	0.037	0.03	0.033	0.028	0.033	0.031	0.03	0.028	0.033	0.031	0.077	1	0.074	1	6849	Si
228	0.039	0.033	0.036	0.03	0.036	0.034	0.032	0.03	0.035	0.034	0.082	1	0.079	1	6374	Si
263	0.041	0.034	0.037	0.031	0.037	0.035	0.033	0.031	0.036	0.035	0.085	1	0.082	1	6188	Si
298	0.04	0.034	0.037	0.031	0.036	0.034	0.033	0.031	0.036	0.035	0.084	1	0.081	1	6255	Si
333	0.038	0.032	0.035	0.029	0.034	0.033	0.031	0.03	0.034	0.033	0.08	1	0.077	1	6594	Si
368	0.035	0.029	0.031	0.026	0.031	0.03	0.028	0.027	0.031	0.03	0.072	1	0.07	1	7299	Si
385	0.032	0.027	0.029	0.025	0.029	0.028	0.026	0.025	0.028	0.028	0.067	1	0.065	1	7855	Si
420	0.026	0.022	0.024	0.02	0.024	0.022	0.021	0.02	0.023	0.023	0.054	1	0.053	1	9673	Si
455	0.019	0.016	0.017	0.014	0.017	0.016	0.015	0.015	0.016	0.016	0.039	1	0.038	1	9999	Si
490	0.01	0.008	0.009	0.008	0.009	0.009	0.008	0.008	0.009	0.009	0.021	1	0.02	1	9999	Si
510	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	1	0.009	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	1984	2742	8821	SLV 9	0.57	2474	1.666	94608	800170	962923	SLV 7	0.39	868	1.085	Si
35	1931	2742	8821	SLV 9	0.57	2474	1.666	94608	800170	962923	SLV 7	0.39	868	1.085	Si
70	1686	2742	8821	SLV 9	0.57	2474	1.666	120694	770892	962923	SLV 7	0.4	883	1.092	Si
105	1441	2742	8821	SLV 9	0.57	2474	1.666	182557	694733	962923	SLV 7	0.41	945	1.123	Si
140	1196	2742	8821	SLV 9	0.57	2474	1.666	235838	618582	962923	SLV 7	0.42	1062	1.178	Si
158	1073	2742	8821	SLV 9	0.57	2474	1.666	259260	580512	962923	SLV 7	0.44	1153	1.219	Si
193	828	2742	8821	SLV 9	0.57	2474	1.666	299668	493358	962923	SLV 7	0.48	1517	1.364	Si
228	583	2742	8821	SLV 9	0.57	2474	1.666	331493	428281	962923	SLV 11	0.53	1941	1.509	Si
263	338	2742	8821	SLV 9	0.57	2474	1.666	354736	352219	962923	SLV 11	0.57	2474	1.666	Si
298	93	2742	8821	SLV 9	0.57	2474	1.666	369396	276232	962923	SLV 11	0.57	2474	1.666	Si
333	-152	-2742	-8821	SLV 7	0.57	2474	1.666	375475	200404	962923	SLV 11	0.57	2474	1.666	Si
368	-398	-2742	-8821	SLV 7	0.57	2474	1.666	372971	124986	962923	SLV 11	0.57	2474	1.666	Si
385	-520	-2742	-8821	SLV 7	0.57	2474	1.666	368500	87675	962923	SLV 11	0.57	2474	1.666	Si
420	-765	-2742	-8821	SLV 7	0.57	2474	1.666	308633	119613	962923	SLV 9	0.57	2474	1.666	Si
455	-1010	-2742	-8821	SLV 7	0.57	2474	1.666	270423	195238	962923	SLV 9	0.57	2474	1.666	Si
490	-1255	-2742	-8821	SLV 7	0.57	2474	1.666	236663	251502	962923	SLV 9	0.57	2474	1.666	Si
510	-1396	-2742	-8821	SLV 7	0.57	2474	1.666	236663	251502	962923	SLV 9	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	1984	962	8821	SLD 9	0.6	2474	4.193	94608	353768	962923	SLD 7	0.33	565	2.289	Si
35	1931	962	8821	SLD 9	0.6	2474	4.193	94608	353768	962923	SLD 7	0.33	565	2.289	Si
70	1686	962	8821	SLD 9	0.6	2474	4.193	120694	340822	962923	SLD 7	0.33	574	2.303	Si
105	1441	962	8821	SLD 9	0.6	2474	4.193	182557	307148	962923	SLD 7	0.34	614	2.368	Si
140	1196	962	8821	SLD 9	0.6	2474	4.193	235838	273478	962923	SLD 7	0.36	685	2.477	Si
158	1073	962	8821	SLD 9	0.6	2474	4.193	293653	228699	962923	SLD 7	0.39	866	2.727	Si
193	828	962	8821	SLD 9	0.6	2474	4.193	299668	218109	962923	SLD 7	0.41	950	2.832	Si
228	583	962	8821	SLD 9	0.6	2474	4.193	331493	189336	962923	SLD 11	0.45	1216	3.134	Si
263	338	962	8821	SLD 9	0.6	2474	4.193	354736	155705	962923	SLD 11	0.52	1851	3.723	Si
298	93	962	8821	SLD 9	0.6	2474	4.193	369396	122107	962923	SLD 11	0.6	2474	4.193	Si
333	-152	-962	-8821	SLD 7	0.6	2474	4.193	375475	88579	962923	SLD 11	0.6	2474	4.193	Si
368	-398	-962	-8821	SLD 7	0.6	2474	4.193	372971	55232	962923	SLD 11	0.6	2474	4.193	Si
385	-520	-962	-8821	SLD 7	0.6	2474	4.193	368500	38733	962923	SLD 11	0.6	2474	4.193	Si
420	-765	-962	-8821	SLD 7	0.6	2474	4.193	308633	52912	962923	SLD 9	0.6	2474	4.193	Si
455	-1010	-962	-8821	SLD 7	0.6	2474	4.193	270423	86351	962923	SLD 9	0.6	2474	4.193	Si
490	-1255	-962	-8821	SLD 7	0.6	2474	4.193	236663	111229	962923	SLD 9	0.6	2474	4.193	Si
510	-1396	-962	-8821	SLD 7	0.6	2474	4.193	236663	111229	962923	SLD 9	0.6	2474	4.193	Si

Campata 2 tra i fili ? - 20, sezione R 40x70, asta 1139

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	437471	SLU 36	352003	962923	0.078						Si
12	7.6	5.4	7.6	5.4	298366	SLU 36	295249	962923	0.078						Si
15	7.6	5.4	7.6	5.4	265553	SLU 36	265553	962923	0.078	102011	SLU 1	-176759	-962923	0.078	Si
24	7.6	5.4	7.6	5.4	165426	SLU 18	265553	962923	0.078	22060	SLU 19	-271606	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	49912	SLU 18	265553	962923	0.078	-99769	SLU 19	-396651	-962923	0.078	Si
43	7.6	5.4	7.6	5.4	-8233	SLU 18	265553	962923	0.078	-161188	SLU 19	-459678	-962923	0.078	Si
55	11.65	5.4	7.6	5.4	-125298	SLU 18	152964	963399	0.08	-285034	SLU 19	-594682	-1444208	0.087	Si
67	12.8	5.4	7.6	5.4	-243397	SLU 18	37338	963487	0.08	-410224	SLU 19	-736044	-1580196	0.09	Si
79	13.94	5.4	7.6	5.4						-540022	SLU 22	-882064	-1716100	0.093	Si
91	18.09	5.4	7.6	5.4						-679842	SLU 22	-1036204	-2206611	0.104	Si
103	19.35	5.4	7.6	5.4						-824543	SLU 26	-1191688	-2355534	0.108	Si
115	20.49	5.4	7.6	5.4						-975613	SLU 35	-1348517	-2490653	0.112	Si
128	21.64	5.4	7.6	5.4						-1130570	SLU 35	-1506689	-2625704	0.115	Si
134	22.21	5.4	7.6	5.4						-1208553	SLU 35	-1580311	-2692652	0.12	Si
146	22.81	5.4	7.6	5.4						-1365527	SLU 35	-1580311	-2762053	0.125	Si
158	22.81	5.4	7.6	5.4						-1523845	SLU 35	-1580311	-2762053	0.125	Si
162	22.81	5.4	7.6	5.4						-1580311	SLU 35	-1580311	-2762053	0.125	Si
170	22.81	5.4	7.6	5.4						-1683507	SLU 35	-1663066	-2762053	0.125	Si
182	22.81	5.4	7.6	5.4						-1844513	SLU 35	-1711519	-2762053	0.125	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	505703	SLV 9	472448	962923	0.078	-26136	SLV 7	-26136	-962923	0.078	Si
12	7.6	5.4	7.6	5.4	451424	SLV 9	450184	962923	0.078	-159276	SLV 7	-159276	-962923	0.078	Si
15	7.6	5.4	7.6	5.4	438535	SLV 9	438535	962923	0.078	-190641	SLV 7	-513932	-962923	0.078	Si
24	7.6	5.4	7.6	5.4	396131	SLV 9	438535	962923	0.078	-293468	SLV 7	-618702	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	339816	SLV 9	438535	962923	0.078	-428708	SLV 7	-756433	-962923	0.078	Si
43	7.6	5.4	7.6	5.4	311275	SLV 9	438535	962923	0.078	-496719	SLV 7	-825688	-962923	0.078	Si
55	11.65	5.4	7.6	5.4	253422	SLV 9	390069	963399	0.08	-633523	SLV 7	-964977	-1444208	0.087	Si
67	12.8	5.4	7.6	5.4	194541	SLV 9	333644	963487	0.08	-771366	SLV 7	-1105303	-1580196	0.09	Si
79	13.94	5.4	7.6	5.4	134631	SLV 9	276193	963561	0.08	-910248	SLV 7	-1246666	-1716100	0.093	Si
91	18.09	5.4	7.6	5.4	73691	SLV 9	217716	963763	0.081	-1050168	SLV 7	-1389065	-2206611	0.104	Si
103	19.35	5.4	7.6	5.4	11720	SLV 9	158209	963807	0.081	-1191125	SLV 7	-1532500	-2355534	0.108	Si
115	20.49	5.4	7.6	5.4	-51283	SLV 9	97673	963844	0.081	-1333118	SLV 7	-1676971	-2490653	0.112	Si
128	21.64	5.4	7.6	5.4	-115318	SLV 9	36106	963878	0.081	-1476147	SLV 7	-1822477	-2625704	0.115	Si
134	22.21	5.4	7.6	5.4	-147723	SLV 9	4935	963894	0.081	-1548050	SLV 7	-1890133	-2692652	0.12	Si
146	22.81	5.4	7.6	5.4						-1692633	SLV 7	-1890133	-2762053	0.125	Si
158	22.81	5.4	7.6	5.4						-1838250	SLV 7	-1890133	-2762053	0.125	Si
162	22.81	5.4	7.6	5.4						-1890133	SLV 7	-1890133	-2762053	0.125	Si
170	22.81	5.4	7.6	5.4						-1984903	SLV 7	-1966167	-2762053	0.125	Si
182	22.81	5.4	7.6	5.4						-2132591	SLV 7	-2010683	-2762053	0.125	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	357386	SLD 9	310590	962923	0.078						Si
12	7.6	5.4	7.6	5.4	281122	SLD 9	279401	962923	0.078						Si
15	7.6	5.4	7.6	5.4	263081	SLD 9	263081	962923	0.078	-15188	SLD 7	-285852	-962923	0.078	Si
24	7.6	5.4	7.6	5.4	203832	SLD 9	263081	962923	0.078	-101170	SLD 7	-373765	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	125514	SLD 9	263081	962923	0.078	-214406	SLD 7	-489482	-962923	0.078	Si
43	7.6	5.4	7.6	5.4	85969	SLD 9	263081	962923	0.078	-271413	SLD 7	-547729	-962923	0.078	Si
55	11.65	5.4	7.6	5.4	6105	SLD 9	195391	963399	0.08	-386206	SLD 7	-665000	-1444208	0.087	Si
67	12.8	5.4	7.6	5.4	-74790	SLD 9	116962	963487	0.08	-502035	SLD 7	-783307	-1580196	0.09	Si
79	13.94	5.4	7.6	5.4	-156717	SLD 9	37502	963561	0.08	-618900	SLD 7	-902648	-1716100	0.093	Si
91	18.09	5.4	7.6	5.4						-736801	SLD 7	-1023025	-2206611	0.104	Si
103	19.35	5.4	7.6	5.4						-855737	SLD 7	-1144436	-2355534	0.108	Si
115	20.49	5.4	7.6	5.4						-975708	SLD 7	-1266882	-2490653	0.112	Si
128	21.64	5.4	7.6	5.4						-1096714	SLD 7	-1390363	-2625704	0.115	Si
134	22.21	5.4	7.6	5.4						-1157605	SLD 7	-1447832	-2692652	0.12	Si
146	22.81	5.4	7.6	5.4						-1280162	SLD 7	-1447832	-2762053	0.125	Si
158	22.81	5.4	7.6	5.4						-1403755	SLD 7	-1447832	-2762053	0.125	Si
162	22.81	5.4	7.6	5.4						-1447832	SLD 7	-1447832	-2762053	0.125	Si
170	22.81	5.4	7.6	5.4						-1528382	SLD 7	-1512432	-2762053	0.125	Si
182	22.81	5.4	7.6	5.4						-1654043	SLD 7	-1550254	-2762053	0.125	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-11644	SLU 35	-11644	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-11754	SLU 35	-11754	-8821	-68363	0	-8821	1	Si
15	0.116	7.6	0	-11780	SLU 35	-11780	-8821	-68363	-13469	-13469	1	Si
24	0.116	7.6	0	-11865	SLU 35	-11865	-8821	-68363	-13469	-13469	1	Si
36	0.116	7.6	0	-11976	SLU 35	-11976	-8821	-68363	-13469	-13469	1	Si
43	0.116	7.6	0	-12031	SLU 35	-12031	-8821	-68363	-13469	-13469	1	Si
55	0.116	7.6	0	-12142	SLU 35	-12142	-8821	-68363	-13469	-13469	1	Si
67	0.116	7.6	0	-12252	SLU 35	-12252	-8821	-68363	-13469	-13469	1	Si
79	0.116	7.6	0	-12363	SLU 35	-12363	-8821	-68363	-13469	-13469	1	Si
91	0.116	7.6	0	-12473	SLU 35	-12473	-8821	-68363	-13469	-13469	1	Si
103	0.116	7.6	0	-12584	SLU 35	-12584	-8821	-68363	-13469	-13469	1	Si
115	0.116	11.08	0	-12695	SLU 35	-12695	-10001	-68363	-13469	-13469	1	Si
128	0.116	12.23	0	-12805	SLU 35	-12805	-10334	-68363	-13469	-13469	1	Si
134	0.116	12.8	0	-12860	SLU 35	-12860	-10493	-68363	-13469	-13469	1	Si
146	0.116	13.94	0	-12971	SLU 35	-12971	-10797	-68363	-13469	-13469	1	Si
158	0.116	18.09	0	-13082	SLU 35	-13082	-11775	-68363	-13469	-13469	1	Si
162	0.116	18.77	0	-13121	SLU 35	-13121	-11922	-68363	-13469	-13469	1	Si
170	0	19.35	0	-13192	SLU 35	-13192	-12042	-68363	0	-12042	1	Si
182	0	20.49	0	-13303	SLU 35	-13303	-12276	-68363	0	-12276	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-10919	SLV 7	-11764	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-11004	SLV 7	-11849	-8821	-68363	0	-8821	1	Si
15	0.116	7.6	0	-11024	SLV 7	-11869	-8821	-68363	-13469	-13469	1	Si
24	0.116	7.6	0	-11089	SLV 7	-11934	-8821	-68363	-13469	-13469	1	Si
36	0.116	7.6	0	-11174	SLV 7	-12019	-8821	-68363	-13469	-13469	1	Si
43	0.116	7.6	0	-11217	SLV 7	-12062	-8821	-68363	-13469	-13469	1	Si
55	0.116	7.6	0	-11302	SLV 7	-12147	-8821	-68363	-13469	-13469	1	Si
67	0.116	7.6	0	-11387	SLV 7	-12232	-8821	-68363	-13469	-13469	1	Si
79	0.116	7.6	0	-11472	SLV 7	-12317	-8821	-68363	-13469	-13469	1	Si
91	0.116	7.6	0	-11557	SLV 7	-12402	-8821	-68363	-13469	-13469	1	Si
103	0.116	7.6	0	-11642	SLV 7	-12487	-8821	-68363	-13469	-13469	1	Si
115	0.116	11.08	0	-11727	SLV 7	-12572	-10001	-68363	-13469	-13469	1	Si
128	0.116	12.23	0	-11812	SLV 7	-12657	-10334	-68363	-13469	-13469	1	Si
134	0.116	12.8	0	-11855	SLV 7	-12700	-10493	-68363	-13469	-13469	1	Si
146	0.116	13.94	0	-11940	SLV 7	-12785	-10797	-68363	-13469	-13469	1	Si
158	0.116	18.09	0	-12025	SLV 7	-12870	-11775	-68363	-13469	-13469	1	Si
162	0.116	18.77	0	-12055	SLV 7	-12900	-11922	-68363	-13469	-13469	1	Si
170	0	19.35	0	-12110	SLV 7	-12955	-12042	-68363	0	-12042	1	Si
182	0	20.49	0	-12195	SLV 7	-13040	-12276	-68363	0	-12276	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-9106	SLD 7	-9106	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-9191	SLD 7	-9191	-8821	-68363	0	-8821	1	Si
15	0.116	7.6	0	-9211	SLD 7	-9211	-8821	-68363	-13469	-13469	1	Si
24	0.116	7.6	0	-9276	SLD 7	-9276	-8821	-68363	-13469	-13469	1	Si
36	0.116	7.6	0	-9361	SLD 7	-9361	-8821	-68363	-13469	-13469	1	Si
43	0.116	7.6	0	-9404	SLD 7	-9404	-8821	-68363	-13469	-13469	1	Si
55	0.116	7.6	0	-9489	SLD 7	-9489	-8821	-68363	-13469	-13469	1	Si
67	0.116	7.6	0	-9574	SLD 7	-9574	-8821	-68363	-13469	-13469	1	Si
79	0.116	7.6	0	-9659	SLD 7	-9659	-8821	-68363	-13469	-13469	1	Si
91	0.116	7.6	0	-9744	SLD 7	-9744	-8821	-68363	-13469	-13469	1	Si
103	0.116	7.6	0	-9829	SLD 7	-9829	-8821	-68363	-13469	-13469	1	Si
115	0.116	11.08	0	-9914	SLD 7	-9914	-10001	-68363	-13469	-13469	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
128	0.116	12.23	0	-9999	SLD 7	-9999	-10334	-68363	-13469	-13469	1	Si
134	0.116	12.8	0	-10042	SLD 7	-10042	-10493	-68363	-13469	-13469	1	Si
146	0.116	13.94	0	-10127	SLD 7	-10127	-10797	-68363	-13469	-13469	1	Si
158	0.116	18.09	0	-10212	SLD 7	-10212	-11775	-68363	-13469	-13469	1	Si
162	0.116	18.77	0	-10242	SLD 7	-10242	-11922	-68363	-13469	-13469	1	Si
170	0	19.35	0	-10297	SLD 7	-10297	-12042	-68363	0	-12042	1	Si
182	0	20.49	0	-10382	SLD 7	-10382	-12276	-68363	0	-12276	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	311256	9	247278	6.4	124.5	96.7	1837	239784	2	182243	8.2	93.4	0	+∞	Si
12	207115	9	204781	5.3	124.5	80	1837	146074	2	143972	6.5	93.4	0	+∞	Si
15	182544	9	182544	4.8	124.5	71.4	1837	123947	2	123947	5.6	93.4	0	+∞	Si
24	101941	9	182544	4.8	124.5	71.4	1837	51331	2	123947	5.6	93.4	0	+∞	Si
36	-54319	1	-291835	7.6	124.5	114.1	1837	-54319	1	-291835	13.1	93.4	0	+∞	Si
43	-103476	1	-342229	8.9	124.5	133.8	1837	-103476	1	-342229	15.4	93.4	0	+∞	Si
55	-202566	1	-449087	17.2	124.5	657.1	1837	-202566	1	-443791	17	93.4	0	+∞	Si
67	-302689	1	-560321	20.8	124.5	749.2	1837	-302689	1	-546388	20.3	93.4	0	+∞	Si
79	-406022	4	-674677	24.3	124.5	830.8	1837	-403847	1	-650019	23.4	93.4	0	+∞	Si
91	-516175	4	-790067	26.1	124.5	758.5	1837	-506038	1	-754683	24.9	93.4	0	+∞	Si
103	-629720	8	-906491	29.3	124.5	816.2	1837	-609264	1	-860382	27.8	93.4	0	+∞	Si
115	-744704	8	-1023948	32.5	124.5	872.7	1837	-713523	1	-967115	30.7	93.4	0	+∞	Si
128	-860723	8	-1142440	35.6	124.5	924.6	1837	-818817	1	-1074881	33.5	93.4	0	+∞	Si
134	-919120	8	-1197601	37.1	124.5	945.5	1837	-871851	1	-1125082	34.8	93.4	0	+∞	Si
146	-1036689	8	-1197601	36.8	124.5	922	1837	-978696	1	-1125082	34.5	93.4	0	+∞	Si
158	-1155293	8	-1197601	36.8	124.5	922	1837	-1086574	1	-1125082	34.5	93.4	0	+∞	Si
162	-1197601	8	-1197601	36.8	124.5	922	1837	-1125082	1	-1125082	34.5	93.4	0	+∞	Si
170	-1274930	8	-1259610	38.7	124.5	969.7	1837	-1195487	1	-1181524	36.3	93.4	0	+∞	Si
182	-1395602	8	-1295915	39.8	124.5	997.6	1837	-1305433	1	-1214571	37.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
15	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
24	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
36	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
43	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
55	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	2	-0.009	2	9999	Si
67	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	2	-0.011	2	9999	Si
79	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	2	-0.013	2	9999	Si
91	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	2	-0.014	2	9999	Si
103	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.014	2	-0.015	2	9999	Si
109	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.014	2	-0.015	2	9999	Si
115	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.014	2	-0.015	2	9999	Si
128	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.014	2	-0.014	2	9999	Si
134	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	2	-0.013	2	9999	Si
146	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	2	-0.012	2	9999	Si
158	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.009	2	-0.009	2	9999	Si
162	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.008	2	-0.008	2	9999	Si
170	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	-7773	-4096	-13469	SLV 7	0.5	1660	1.415	123947	314588	962923	SLV 9	0.57	2474	1.666	Si
24	-7838	-4096	-13469	SLV 7	0.49	1610	1.397	-179498	-439204	-962923	SLV 7	0.57	2474	1.666	Si
36	-7923	-4096	-13469	SLV 7	0.49	1546	1.374	-277749	-478685	-962923	SLV 7	0.51	1794	1.461	Si
43	-7966	-4096	-13469	SLV 7	0.48	1514	1.362	-327261	-498427	-962923	SLV 7	0.46	1319	1.288	Si
55	-8051	-4096	-13469	SLV 7	0.47	1452	1.339	-427063	-537914	-1444208	SLV 7	0.57	2474	1.666	Si
67	-8136	-4096	-13469	SLV 7	0.47	1393	1.317	-527898	-577405	-1580196	SLV 7	0.57	2474	1.666	Si
79	-8221	-4096	-13469	SLV 7	0.46	1335	1.294	-629767	-616899	-1716100	SLV 7	0.57	2474	1.666	Si
91	-8306	-4096	-13469	SLV 7	0.45	1278	1.271	-732670	-656395	-2206611	SLV 7	0.57	2474	1.666	Si
103	-8391	-4096	-13469	SLV 7	0.45	1223	1.248	-836608	-695893	-2355534	SLV 7	0.57	2474	1.666	Si
115	-8476	-4096	-13469	SLV 7	0.44	1170	1.226	-941579	-735392	-2490653	SLV 7	0.57	2474	1.666	Si
128	-8561	-4096	-13469	SLV 7	0.43	1118	1.203	-1047584	-774893	-2625704	SLV 7	0.57	2474	1.666	Si
134	-8604	-4096	-13469	SLV 7	0.43	1092	1.192	-1096970	-793164	-2692652	SLV 7	0.57	2474	1.666	Si
146	-8689	-4096	-13469	SLV 7	0.42	1042	1.169	-1096970	-793164	-2762053	SLV 7	0.57	2474	1.666	Si
158	-8774	-4096	-13469	SLV 7	0.41	994	1.147	-1096970	-793164	-2762053	SLV 7	0.57	2474	1.666	Si
162	-8804	-4096	-13469	SLV 7	0.41	977	1.139	-1096970	-793164	-2762053	SLV 7	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	-7773	-1438	-13469	SLD 7	0.52	1921	3.78	123947	139135	962923	SLD 9	0.6	2474	4.193	Si
24	-7838	-1438	-13469	SLD 7	0.52	1862	3.732	-179498	-194267	-962923	SLD 7	0.53	2016	3.855	Si
36	-7923	-1438	-13469	SLD 7	0.51	1788	3.67	-277749	-211734	-962923	SLD 7	0.43	1122	3.032	Si
43	-7966	-1438	-13469	SLD 7	0.51	1751	3.639	-327261	-220468	-962923	SLD 7	0.39	835	2.686	Si
55	-8051	-1438	-13469	SLD 7	0.5	1681	3.579	-427063	-237938	-1444208	SLD 7	0.56	2356	4.11	Si
67	-8136	-1438	-13469	SLD 7	0.49	1611	3.517	-527898	-255409	-1580196	SLD 7	0.54	2135	3.947	Si
79	-8221	-1438	-13469	SLD 7	0.49	1543	3.455	-629767	-272881	-1716100	SLD 7	0.53	1948	3.802	Si
91	-8306	-1438	-13469	SLD 7	0.48	1477	3.394	-732670	-290355	-2206611	SLD 7	0.6	2474	4.193	Si
103	-8391	-1438	-13469	SLD 7	0.47	1413	3.333	-836608	-307829	-2355534	SLD 7	0.6	2474	4.193	Si
115	-8476	-1438	-13469	SLD 7	0.46	1352	3.273	-941579	-325304	-2490653	SLD 7	0.6	2474	4.193	Si
128	-8561	-1438	-13469	SLD 7	0.46	1292	3.212	-1047584	-342779	-2625704	SLD 7	0.6	2474	4.193	Si
134	-8604	-1438	-13469	SLD 7	0.45	1262	3.182	-1096970	-350862	-2692652	SLD 7	0.6	2474	4.193	Si
146	-8689	-1438	-13469	SLD 7	0.44	1204	3.121	-1096970	-350862	-2762053	SLD 7	0.6	2474	4.193	Si
158	-8774	-1438	-13469	SLD 7	0.44	1149	3.062	-1096970	-350862	-2762053	SLD 7	0.6	2474	4.193	Si
162	-8804	-1438	-13469	SLD 7	0.43	1129	3.04	-1096970	-350862	-2762053	SLD 7	0.6	2474	4.193	Si

Campata 3 tra i fili 20 - 9, sezione R 40x70, asta 1140

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-1575431	SLU 35	-1497135	-2762053	0.125	Si
20	22.81	5.4	7.6	5.4						-1422805	SLU 35	-1422805	-2762053	0.125	Si
45	22.52	5.4	7.6	5.4						-1234614	SLU 35	-1422805	-2728674	0.123	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
68	19.13	5.4	7.6	5.4						-1071428	SLU 35	-1281735	-2329692	0.107	Si
91	14.86	5.4	7.6	5.4						-913057	SLU 35	-1117188	-1824059	0.095	Si
102	10.74	5.4	7.6	5.4						-835677	SLU 35	-1036721	-1336299	0.085	Si
113	7.6	5.4	7.6	5.4						-759500	SLU 35	-957457	-962923	0.078	Si
125	7.6	5.4	7.6	5.4						-684527	SLU 35	-879396	-962923	0.078	Si
147	7.6	5.4	7.6	5.4						-538193	SLU 35	-726887	-962923	0.078	Si
170	7.6	5.4	7.6	5.4						-396673	SLU 35	-579192	-962923	0.078	Si
193	7.6	5.4	7.6	5.4						-260514	SLU 26	-436313	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	-90718	SLU 11	33875	962923	0.078	-131497	SLU 22	-298300	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	3818	SLU 17	154776	962923	0.078	-21601	SLU 20	-167248	-962923	0.078	Si
261	7.6	5.4	7.6	5.4	121257	SLU 35	270861	962923	0.078	55746	SLU 2	-50076	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	180582	SLU 35	327098	962923	0.078	90619	SLU 2	-804	-962923	0.078	Si
295	7.6	5.4	7.6	5.4	295620	SLU 35	418386	962923	0.078						Si
320	7.6	5.4	7.6	5.4	418386	SLU 35	418386	962923	0.078						Si
340	7.6	5.4	7.6	5.4	511252	SLU 35	465012	962923	0.078						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-1240301	SLV 5	-1173620	-2762053	0.125	Si
20	22.81	5.4	7.6	5.4						-1104711	SLV 5	-1104711	-2762053	0.125	Si
45	22.52	5.4	7.6	5.4						-942956	SLV 5	-1104711	-2728674	0.123	Si
68	19.13	5.4	7.6	5.4						-815581	SLV 5	-982757	-2329692	0.107	Si
91	14.86	5.4	7.6	5.4						-711883	SLV 7	-850058	-1824059	0.095	Si
102	10.74	5.4	7.6	5.4						-667948	SLV 7	-767538	-1336299	0.085	Si
125	7.6	5.4	7.6	5.4						-590295	SLV 7	-692771	-962923	0.078	Si
147	7.6	5.4	7.6	5.4						-521647	SLV 7	-611444	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	-89861	SLV 9	71655	962923	0.078	-459614	SLV 7	-540523	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	36346	SLV 9	195561	962923	0.078	-403546	SLV 7	-476707	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	160848	SLV 5	317008	962923	0.078	-353179	SLV 11	-418970	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	283072	SLV 5	435470	962923	0.078	-307942	SLV 11	-360431	-962923	0.078	Si
261	7.6	5.4	7.6	5.4	402427	SLV 5	550648	962923	0.078	-267243	SLV 11	-320383	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	460910	SLV 5	606952	962923	0.078	-248477	SLV 11	-298855	-962923	0.078	Si
295	7.6	5.4	7.6	5.4	575353	SLV 5	699074	962923	0.078	-213978	SLV 11	-259080	-962923	0.078	Si
320	7.6	5.4	7.6	5.4	699074	SLV 5	699074	962923	0.078	-180166	SLV 11	-219501	-962923	0.078	Si
340	7.6	5.4	7.6	5.4	793763	SLV 5	746671	962923	0.078	-156725	SLV 11	-156725	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-1147967	SLD 5	-1088379	-2762053	0.125	Si
20	22.81	5.4	7.6	5.4						-1029435	SLD 5	-1029435	-2762053	0.125	Si
45	22.52	5.4	7.6	5.4						-885944	SLD 5	-1029435	-2728674	0.123	Si
68	19.13	5.4	7.6	5.4						-767593	SLD 5	-921537	-2329692	0.107	Si
91	14.86	5.4	7.6	5.4						-661916	SLD 7	-800202	-1824059	0.095	Si
102	10.74	5.4	7.6	5.4						-613328	SLD 7	-733758	-1336299	0.085	Si
113	7.6	5.4	7.6	5.4						-566863	SLD 7	-690874	-962923	0.078	Si
125	7.6	5.4	7.6	5.4						-522118	SLD 7	-640780	-962923	0.078	Si
147	7.6	5.4	7.6	5.4						-436864	SLD 7	-547399	-962923	0.078	Si
170	7.6	5.4	7.6	5.4						-356553	SLD 7	-460578	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	-86280	SLD 9	46211	962923	0.078	-280919	SLD 7	-378906	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	17528	SLD 5	146009	962923	0.078	-209859	SLD 11	-301958	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	118255	SLD 5	242416	962923	0.078	-143125	SLD 11	-226703	-962923	0.078	Si
261	7.6	5.4	7.6	5.4	215641	SLD 5	335301	962923	0.078	-80458	SLD 11	-161682	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	263030	SLD 5	380401	962923	0.078	-50597	SLD 11	-129279	-962923	0.078	Si
295	7.6	5.4	7.6	5.4	355141	SLD 5	453743	962923	0.078	6234	SLD 11	-67468	-962923	0.078	Si
320	7.6	5.4	7.6	5.4	453743	SLD 5	453743	962923	0.078	65165	SLD 11	-2977	-962923	0.078	Si
340	7.6	5.4	7.6	5.4	528525	SLD 5	491376	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.13	0	7618	SLU 35	7618	11997	68363	0	11997	1	Si
20	0.06	16.99	0	7433	SLU 35	7433	11532	68363	7003	11532	1	Si
45	0.06	7.6	0	7199	SLU 35	7199	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	6990	SLU 35	6990	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	6780	SLU 35	6780	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	6676	SLU 35	6676	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	6466	SLU 35	6466	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	6257	SLU 35	6257	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	6048	SLU 35	6048	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	5838	SLU 35	5838	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	5629	SLU 35	5629	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	5420	SLU 35	5420	8821	68363	7003	8821	1	Si
261	0.06	7.6	0	5211	SLU 35	5211	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	5106	SLU 35	5106	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	4897	SLU 35	4897	8821	68363	7003	8821	1	Si
320	0.06	7.6	0	4663	SLU 35	4663	8821	68363	7003	8821	1	Si
340	0	7.6	0	4478	SLU 35	4478	8821	68363	0	8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.13	0	7033	SLV 5	7496	11997	68363	0	11997	1	Si
20	0.06	16.99	0	6891	SLV 5	7354	11532	68363	7003	11532	1	Si
45	0.06	7.6	0	6711	SLV 5	7174	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	6550	SLV 5	7013	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	6389	SLV 5	6852	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	6308	SLV 5	6772	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	6147	SLV 5	6611	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	5986	SLV 5	6450	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	5825	SLV 5	6289	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	5664	SLV 5	6128	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	5503	SLV 5	5967	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	5342	SLV 5	5806	8821	68363	7003	8821	1	Si
261	0.06	7.6	0	5181	SLV 5	5645	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	5101	SLV 5	5564	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	4940	SLV 5	5403	8821	68363	7003	8821	1	Si
320	0.06	7.6	0	4760	SLV 5	5223	8821	68363	7003	8821	1	Si
340	0	7.6	0	4618	SLV 5	5081	8821	68363	0	8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.13	0	6036	SLD 5	6036	11997	68363	0	11997	1	Si
20	0.06	16.99	0	5894	SLD 5	5894	11532	68363	7003	11532	1	Si
45	0.06	7.6	0	5714	SLD 5	5714	8821	68363	7003	8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
68	0.06	7.6	0	5553	SLD 5	5553	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	5392	SLD 5	5392	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	5312	SLD 5	5312	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	5151	SLD 5	5151	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	4990	SLD 5	4990	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	4829	SLD 5	4829	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	4668	SLD 5	4668	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	4507	SLD 5	4507	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	4346	SLD 5	4346	8821	68363	7003	8821	1	Si
261	0.06	7.6	0	4185	SLD 5	4185	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	4104	SLD 5	4104	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	3943	SLD 5	3943	8821	68363	7003	8821	1	Si
320	0.06	7.6	0	3763	SLD 5	3763	8821	68363	7003	8821	1	Si
340	0	7.6	0	3621	SLD 5	3621	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1197329	8	-1137808	34.9	124.5	875.9	1837	-1123222	1	-1067180	32.8	93.4	0	+∞	Si
20	-1081318	8	-1081318	33.2	124.5	832.4	1837	-1014068	1	-1014068	31.1	93.4	0	+∞	Si
45	-938321	8	-1081318	33.3	124.5	842.5	1837	-879757	1	-1014068	31.2	93.4	0	+∞	Si
68	-814372	8	-974121	31.6	124.5	886.6	1837	-763580	1	-913361	29.6	93.4	0	+∞	Si
91	-694127	8	-849126	29.9	124.5	984.1	1837	-651107	1	-796138	28.1	93.4	0	+∞	Si
102	-635393	8	-788017	31.1	124.5	1246.8	1837	-596259	1	-738915	29.2	93.4	0	+∞	Si
125	-520704	8	-668578	17.4	124.5	261.3	1837	-489341	1	-627248	28.1	93.4	0	+∞	Si
147	-409718	8	-552842	14.4	124.5	216.1	1837	-386127	1	-519284	23.3	93.4	0	+∞	Si
170	-302436	8	-440810	11.5	124.5	172.3	1837	-286617	1	-415023	18.6	93.4	0	+∞	Si
193	-198858	8	-332482	8.7	124.5	130	1837	-190810	1	-314467	14.1	93.4	0	+∞	Si
215	-99735	4	-227857	5.9	124.5	89.1	1837	-98707	1	-217614	9.8	93.4	0	+∞	Si
238	-13853	2	-127238	3.3	124.5	49.7	1837	-12435	2	-124464	5.6	93.4	0	+∞	Si
261	89656	8	202710	5.3	124.5	79.2	1837	74388	1	177476	8	93.4	0	+∞	Si
272	134500	8	245180	6.4	124.5	95.8	1837	115347	1	216060	9.7	93.4	0	+∞	Si
295	221412	8	314083	8.2	124.5	122.8	1837	194487	1	278472	12.5	93.4	0	+∞	Si
320	314083	8	314083	8.2	124.5	122.8	1837	278472	1	278472	12.5	93.4	0	+∞	Si
340	384125	8	349262	9.1	124.5	136.5	1837	341656	1	310273	13.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	2	-0.011	2	9999	Si
45	-0.009	-0.011	-0.008	-0.009	-0.01	-0.01	-0.008	-0.009	-0.009	-0.01	-0.021	2	-0.022	2	9999	Si
68	-0.012	-0.014	-0.011	-0.012	-0.012	-0.013	-0.011	-0.011	-0.012	-0.013	-0.027	2	-0.028	2	9999	Si
91	-0.014	-0.015	-0.012	-0.014	-0.014	-0.015	-0.012	-0.013	-0.014	-0.015	-0.031	2	-0.032	2	9999	Si
102	-0.014	-0.016	-0.012	-0.014	-0.014	-0.015	-0.013	-0.013	-0.014	-0.015	-0.032	2	-0.033	2	9999	Si
125	-0.014	-0.016	-0.013	-0.014	-0.014	-0.015	-0.013	-0.014	-0.015	-0.015	-0.033	2	-0.034	2	9999	Si
147	-0.014	-0.015	-0.012	-0.014	-0.014	-0.015	-0.012	-0.013	-0.014	-0.015	-0.031	2	-0.033	2	9999	Si
170	-0.012	-0.014	-0.011	-0.013	-0.013	-0.013	-0.011	-0.012	-0.013	-0.013	-0.029	2	-0.03	2	9999	Si
193	-0.011	-0.012	-0.01	-0.011	-0.011	-0.012	-0.01	-0.011	-0.011	-0.012	-0.026	2	-0.027	2	9999	Si
215	-0.009	-0.01	-0.008	-0.009	-0.009	-0.01	-0.008	-0.009	-0.009	-0.01	-0.021	2	-0.022	2	9999	Si
238	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.017	2	-0.017	2	9999	Si
261	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.012	2	-0.013	2	9999	Si
272	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	2	-0.01	2	9999	Si
295	-0.002	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
320	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	5108	2246	11532	SLV 5	0.57	2474	1.666	-971292	-133419	-2762053	SLV 5	0.57	2474	1.666	Si
45	4928	2246	8821	SLV 5	0.57	2474	1.666	-971292	-133419	-2728674	SLV 5	0.57	2474	1.666	Si
68	4767	2246	8821	SLV 5	0.57	2474	1.666	-874485	-108272	-2329692	SLV 5	0.57	2474	1.666	Si
91	4606	2246	8821	SLV 5	0.57	2474	1.666	-490162	-116416	-1824059	SLV 7	0.57	2474	1.666	Si
102	4526	2246	8821	SLV 5	0.57	2474	1.666	-440024	-130361	-1336299	SLV 7	0.57	2474	1.666	Si
125	4365	2246	8821	SLV 5	0.57	2474	1.666	-342525	-161167	-962923	SLV 7	0.57	2474	1.666	Si
147	4204	2246	8821	SLV 5	0.57	2474	1.666	-248730	-194631	-962923	SLV 7	0.57	2474	1.666	Si
170	4043	2246	8821	SLV 5	0.57	2474	1.666	-158638	-230293	-962923	SLV 7	0.57	2474	1.666	Si
193	3882	2246	8821	SLV 5	0.57	2474	1.666	-72250	-267811	-962923	SLV 11	0.57	2474	1.666	Si
215	3721	2246	8821	SLV 5	0.57	2474	1.666	10434	306574	962923	SLV 5	0.57	2474	1.666	Si
238	3560	2246	8821	SLV 5	0.57	2474	1.666	89415	346055	962923	SLV 5	0.57	2474	1.666	Si
261	3399	2246	8821	SLV 5	0.57	2474	1.666	164692	385956	962923	SLV 5	0.57	2474	1.666	Si
272	3318	2246	8821	SLV 5	0.57	2474	1.666	200941	406011	962923	SLV 5	0.57	2474	1.666	Si
295	3157	2246	8821	SLV 5	0.57	2474	1.666	259454	439620	962923	SLV 5	0.57	2417	1.651	Si
320	2977	2246	8821	SLV 5	0.57	2474	1.666	259454	439620	962923	SLV 5	0.57	2417	1.651	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	5108	786	11532	SLD 5	0.6	2474	4.193	-971292	-58142	-2762053	SLD 5	0.6	2474	4.193	Si
45	4928	786	8821	SLD 5	0.6	2474	4.193	-971292	-58142	-2728674	SLD 5	0.6	2474	4.193	Si
68	4767	786	8821	SLD 5	0.6	2474	4.193	-874485	-47052	-2329692	SLD 5	0.6	2474	4.193	Si
91	4606	786	8821	SLD 5	0.6	2474	4.193	-490162	-51420	-1824059	SLD 7	0.6	2474	4.193	Si
102	4526	786	8821	SLD 5	0.6	2474	4.193	-440024	-57640	-1336299	SLD 7	0.6	2474	4.193	Si
125	4365	786	8821	SLD 5	0.6	2474	4.193	-342525	-71317	-962923	SLD 7	0.6	2474	4.193	Si
147	4204	786	8821	SLD 5	0.6	2474	4.193	-248730	-86129	-962923	SLD 7	0.6	2474	4.193	Si
170	4043	786	8821	SLD 5	0.6	2474	4.193	-158638	-101891	-962923	SLD 7	0.6	2474	4.193	Si
193	3882	786	8821	SLD 5	0.6	2474	4.193	-72250	-118462	-962923	SLD 11	0.6	2474	4.193	Si
215	3721	786	8821	SLD 5	0.6	2474	4.193	10434	135575	962923	SLD 5	0.6	2474	4.193	Si
238	3560	786	8821	SLD 5	0.6	2474	4.193	89415	153001	962923	SLD 5	0.6	2474	4.193	Si
261	3399	786	8821	SLD 5	0.6	2474	4.193	164692	170610	962923	SLD 5	0.6	2474	4.193	Si
272	3318	786	8821	SLD 5	0.6	2474	4.193	200941	179459	962923	SLD 5	0.56	2314	4.08	Si
295	3157	786	8821	SLD 5	0.6	2474	4.193	259454	194289	962923	SLD 5	0.48	1512	3.426	Si
320	2977	786	8821	SLD 5	0.6	2474	4.193	259454	194289	962923	SLD 5	0.48	1512	3.426	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 44-9A

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 44 - ?, sezione R 40x70, asta 1135

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	138041	SLU 26	138041	962923	0.078	-3260	SLU 11	-3260	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	209992	SLU 26	279045	962923	0.078						Si
35	7.6	5.4	7.6	5.4	229380	SLU 26	295962	962923	0.078						Si
70	7.6	5.4	7.6	5.4	309435	SLU 26	368488	962923	0.078						Si
106	7.6	5.4	7.6	5.4	380850	SLU 35	432860	962923	0.078						Si
141	7.6	5.4	7.6	5.4	443254	SLU 35	485949	962923	0.078						Si
158	7.6	5.4	7.6	5.4	470225	SLU 35	508262	962923	0.078						Si
194	7.6	5.4	7.6	5.4	515703	SLU 35	544425	962923	0.078						Si
229	7.6	5.4	7.6	5.4	549898	SLU 35	569305	962923	0.078						Si
264	7.6	5.4	7.6	5.4	572810	SLU 35	582902	962923	0.078						Si
299	7.6	5.4	7.6	5.4	584438	SLU 35	586021	962923	0.078						Si
335	7.6	5.4	7.6	5.4	584783	SLU 35	586021	962923	0.078						Si
370	7.6	5.4	7.6	5.4	573844	SLU 35	583367	962923	0.078						Si
405	7.6	5.4	7.6	5.4	551622	SLU 35	570460	962923	0.078						Si
423	7.6	5.4	7.6	5.4	536280	SLU 35	559775	962923	0.078						Si
458	7.6	5.4	7.6	5.4	500374	SLU 36	529943	962923	0.078						Si
493	7.6	5.4	7.6	5.4	454066	SLU 36	492788	962923	0.078						Si
513	7.6	5.4	7.6	5.4	422208	SLU 36	466423	962923	0.078						Si
528	7.6	5.4	7.6	5.4	396473	SLU 36	396473	962923	0.078						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	914253	SLV 11	913620	962923	0.078	-817185	SLV 5	-757811	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	910592	SLV 11	910592	962923	0.078	-700802	SLV 5	-700802	-962923	0.078	Si
35	7.6	5.4	7.6	5.4	908957	SLV 11	910592	962923	0.078	-668769	SLV 5	-700802	-962923	0.078	Si
70	7.6	5.4	7.6	5.4	894986	SLV 11	906898	962923	0.078	-529036	SLV 5	-644014	-962923	0.078	Si
106	7.6	5.4	7.6	5.4	872341	SLV 11	891414	962923	0.078	-397989	SLV 5	-505797	-962923	0.078	Si
141	7.6	5.4	7.6	5.4	841025	SLV 11	867256	962923	0.078	-275629	SLV 5	-376265	-962923	0.078	Si
158	7.6	5.4	7.6	5.4	822116	SLV 11	851926	962923	0.078	-217708	SLV 5	-314757	-962923	0.078	Si
194	7.6	5.4	7.6	5.4	777800	SLV 11	814763	962923	0.078	-108388	SLV 5	-198258	-962923	0.078	Si
229	7.6	5.4	7.6	5.4	724828	SLV 11	768937	962923	0.078	-7771	SLV 5	-90456	-962923	0.078	Si
264	7.6	5.4	7.6	5.4	663219	SLV 11	714457	962923	0.078						Si
299	7.6	5.4	7.6	5.4	593016	SLV 11	651346	962923	0.078						Si
335	7.6	5.4	7.6	5.4	514353	SLV 11	579657	962923	0.078						Si
370	7.6	5.4	7.6	5.4	427904	SLV 11	499572	962923	0.078						Si
405	7.6	5.4	7.6	5.4	371846	SLV 9	412481	962923	0.078						Si
423	7.6	5.4	7.6	5.4	394066	SLV 9	426552	962923	0.078						Si
458	7.6	5.4	7.6	5.4	436942	SLV 5	466326	962923	0.078						Si
493	7.6	5.4	7.6	5.4	472097	SLV 5	488337	962923	0.078	48979	SLV 11	-22761	-962923	0.078	Si
513	7.6	5.4	7.6	5.4	488337	SLV 5	488337	962923	0.078	-22761	SLV 11	-22761	-962923	0.078	Si
528	7.6	5.4	7.6	5.4	498803	SLV 5	493935	962923	0.078	-77635	SLV 11	-49912	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	431260	SLD 11	431260	962923	0.078	-334193	SLD 5	-291556	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	461083	SLD 11	487222	962923	0.078	-251293	SLD 5	-251293	-962923	0.078	Si
35	7.6	5.4	7.6	5.4	468839	SLD 11	493077	962923	0.078	-228651	SLD 5	-251293	-962923	0.078	Si
70	7.6	5.4	7.6	5.4	497740	SLD 11	514814	962923	0.078	-131790	SLD 5	-211375	-962923	0.078	Si
106	7.6	5.4	7.6	5.4	517964	SLD 11	527876	962923	0.078	-43612	SLD 5	-116029	-962923	0.078	Si
141	7.6	5.4	7.6	5.4	529512	SLD 11	532263	962923	0.078	35884	SLD 5	-29365	-962923	0.078	Si
158	7.6	5.4	7.6	5.4	532033	SLD 11	532386	962923	0.078						Si
194	7.6	5.4	7.6	5.4	530570	SLD 11	532386	962923	0.078						Si
229	7.6	5.4	7.6	5.4	520438	SLD 11	529181	962923	0.078						Si
264	7.6	5.4	7.6	5.4	501645	SLD 11	517537	962923	0.078						Si
299	7.6	5.4	7.6	5.4	474210	SLD 11	497235	962923	0.078						Si
335	7.6	5.4	7.6	5.4	438190	SLD 11	468298	962923	0.078						Si
370	7.6	5.4	7.6	5.4	393879	SLD 11	430805	962923	0.078						Si
405	7.6	5.4	7.6	5.4	358222	SLD 9	385358	962923	0.078						Si
423	7.6	5.4	7.6	5.4	360808	SLD 9	362182	962923	0.078						Si
458	7.6	5.4	7.6	5.4	361595	SLD 5	362182	962923	0.078						Si
493	7.6	5.4	7.6	5.4	354116	SLD 5	360661	962923	0.078						Si
513	7.6	5.4	7.6	5.4	345818	SLD 5	356533	962923	0.078						Si
528	7.6	5.4	7.6	5.4	338059	SLD 5	338059	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3011	SLU 36	3011	8821	68363	0	8821	1	Si
28	0.06	7.6	0	2761	SLU 36	2761	8821	68363	6969	8821	1	Si
35	0.06	7.6	0	2690	SLU 36	2690	8821	68363	6969	8821	1	Si
70	0.06	7.6	0	2370	SLU 36	2370	8821	68363	6969	8821	1	Si
106	0.06	7.6	0	2049	SLU 36	2049	8821	68363	6969	8821	1	Si
141	0.06	7.6	0	1729	SLU 36	1729	8821	68363	6969	8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
158	0.06	7.6	0	1569	SLU 36	1569	8821	68363	6969	8821	1	Si
194	0.06	7.6	0	1248	SLU 36	1248	8821	68363	6969	8821	1	Si
229	0.06	7.6	0	928	SLU 36	928	8821	68363	6969	8821	1	Si
264	0.06	7.6	0	607	SLU 36	607	8821	68363	6969	8821	1	Si
299	0.06	7.6	0	349	SLU 18	349	8821	68363	6969	8821	1	Si
299	0.06	7.6	0	-108	SLU 19	-108	-8821	-68363	-6969	-8821	1	Si
335	0.06	7.6	0	102	SLU 18	102	8821	68363	6969	8821	1	Si
335	0.06	7.6	0	-429	SLU 19	-429	-8821	-68363	-6969	-8821	1	Si
370	0.06	7.6	0	-749	SLU 19	-749	-8821	-68363	-6969	-8821	1	Si
405	0.06	7.6	0	-1070	SLU 19	-1070	-8821	-68363	-6969	-8821	1	Si
423	0.06	7.6	0	-1230	SLU 19	-1230	-8821	-68363	-6969	-8821	1	Si
458	0.06	7.6	0	-1550	SLU 19	-1550	-8821	-68363	-6969	-8821	1	Si
493	0.06	7.6	0	-1871	SLU 19	-1871	-8821	-68363	-6969	-8821	1	Si
513	0.06	7.6	0	-2055	SLU 19	-2055	-8821	-68363	-6969	-8821	1	Si
528	0	7.6	0	-2191	SLU 19	-2191	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4339	SLV 5	4906	8821	68363	0	8821	1	Si
0	0	7.6	0	-28	SLV 11	-595	-8821	-68363	0	-8821	1	Si
28	0.06	7.6	0	4146	SLV 5	4714	8821	68363	6969	8821	1	Si
28	0.06	7.6	0	-220	SLV 11	-788	-8821	-68363	-6969	-8821	1	Si
35	0.06	7.6	0	4092	SLV 5	4660	8821	68363	6969	8821	1	Si
35	0.06	7.6	0	-274	SLV 11	-842	-8821	-68363	-6969	-8821	1	Si
70	0.06	7.6	0	3846	SLV 5	4413	8821	68363	6969	8821	1	Si
70	0.06	7.6	0	-521	SLV 11	-1088	-8821	-68363	-6969	-8821	1	Si
106	0.06	7.6	0	3599	SLV 5	4167	8821	68363	6969	8821	1	Si
106	0.06	7.6	0	-767	SLV 11	-1335	-8821	-68363	-6969	-8821	1	Si
141	0.06	7.6	0	3353	SLV 5	3920	8821	68363	6969	8821	1	Si
141	0.06	7.6	0	-1014	SLV 11	-1581	-8821	-68363	-6969	-8821	1	Si
158	0.06	7.6	0	3229	SLV 5	3797	8821	68363	6969	8821	1	Si
158	0.06	7.6	0	-1137	SLV 11	-1705	-8821	-68363	-6969	-8821	1	Si
194	0.06	7.6	0	2983	SLV 5	3551	8821	68363	6969	8821	1	Si
194	0.06	7.6	0	-1383	SLV 11	-1951	-8821	-68363	-6969	-8821	1	Si
229	0.06	7.6	0	2736	SLV 5	3304	8821	68363	6969	8821	1	Si
229	0.06	7.6	0	-1630	SLV 11	-2198	-8821	-68363	-6969	-8821	1	Si
264	0.06	7.6	0	2490	SLV 5	3058	8821	68363	6969	8821	1	Si
264	0.06	7.6	0	-1876	SLV 11	-2444	-8821	-68363	-6969	-8821	1	Si
299	0.06	7.6	0	2243	SLV 5	2811	8821	68363	6969	8821	1	Si
299	0.06	7.6	0	-2123	SLV 11	-2690	-8821	-68363	-6969	-8821	1	Si
335	0.06	7.6	0	1997	SLV 5	2565	8821	68363	6969	8821	1	Si
335	0.06	7.6	0	-2369	SLV 11	-2937	-8821	-68363	-6969	-8821	1	Si
370	0.06	7.6	0	1751	SLV 5	2318	8821	68363	6969	8821	1	Si
370	0.06	7.6	0	-2616	SLV 11	-3183	-8821	-68363	-6969	-8821	1	Si
405	0.06	7.6	0	1504	SLV 5	2072	8821	68363	6969	8821	1	Si
405	0.06	7.6	0	-2862	SLV 11	-3430	-8821	-68363	-6969	-8821	1	Si
423	0.06	7.6	0	1381	SLV 5	1948	8821	68363	6969	8821	1	Si
423	0.06	7.6	0	-2986	SLV 11	-3553	-8821	-68363	-6969	-8821	1	Si
458	0.06	7.6	0	1134	SLV 5	1702	8821	68363	6969	8821	1	Si
458	0.06	7.6	0	-3232	SLV 11	-3800	-8821	-68363	-6969	-8821	1	Si
493	0.06	7.6	0	888	SLV 5	1455	8821	68363	6969	8821	1	Si
493	0.06	7.6	0	-3479	SLV 11	-4046	-8821	-68363	-6969	-8821	1	Si
513	0.06	7.6	0	746	SLV 5	1314	8821	68363	6969	8821	1	Si
513	0.06	7.6	0	-3620	SLV 11	-4188	-8821	-68363	-6969	-8821	1	Si
528	0	7.6	0	641	SLV 5	1209	8821	68363	0	8821	1	Si
528	0	7.6	0	-3725	SLV 11	-4293	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3121	SLD 5	3121	8821	68363	0	8821	1	Si
28	0.06	7.6	0	2928	SLD 5	2928	8821	68363	6969	8821	1	Si
35	0.06	7.6	0	2874	SLD 5	2874	8821	68363	6969	8821	1	Si
70	0.06	7.6	0	2628	SLD 5	2628	8821	68363	6969	8821	1	Si
106	0.06	7.6	0	2381	SLD 5	2381	8821	68363	6969	8821	1	Si
141	0.06	7.6	0	2135	SLD 5	2135	8821	68363	6969	8821	1	Si
158	0.06	7.6	0	2012	SLD 5	2012	8821	68363	6969	8821	1	Si
194	0.06	7.6	0	1765	SLD 5	1765	8821	68363	6969	8821	1	Si
194	0.06	7.6	0	-165	SLD 11	-165	-8821	-68363	-6969	-8821	1	Si
229	0.06	7.6	0	1519	SLD 5	1519	8821	68363	6969	8821	1	Si
229	0.06	7.6	0	-412	SLD 11	-412	-8821	-68363	-6969	-8821	1	Si
264	0.06	7.6	0	1272	SLD 5	1272	8821	68363	6969	8821	1	Si
264	0.06	7.6	0	-658	SLD 11	-658	-8821	-68363	-6969	-8821	1	Si
299	0.06	7.6	0	1026	SLD 5	1026	8821	68363	6969	8821	1	Si
299	0.06	7.6	0	-905	SLD 11	-905	-8821	-68363	-6969	-8821	1	Si
335	0.06	7.6	0	779	SLD 5	779	8821	68363	6969	8821	1	Si
335	0.06	7.6	0	-1151	SLD 11	-1151	-8821	-68363	-6969	-8821	1	Si
370	0.06	7.6	0	533	SLD 5	533	8821	68363	6969	8821	1	Si
370	0.06	7.6	0	-1398	SLD 11	-1398	-8821	-68363	-6969	-8821	1	Si
405	0.06	7.6	0	286	SLD 5	286	8821	68363	6969	8821	1	Si
405	0.06	7.6	0	-1644	SLD 11	-1644	-8821	-68363	-6969	-8821	1	Si
423	0.06	7.6	0	163	SLD 5	163	8821	68363	6969	8821	1	Si
423	0.06	7.6	0	-1768	SLD 11	-1768	-8821	-68363	-6969	-8821	1	Si
458	0.06	7.6	0	-2014	SLD 11	-2014	-8821	-68363	-6969	-8821	1	Si
493	0.06	7.6	0	-2261	SLD 11	-2261	-8821	-68363	-6969	-8821	1	Si
513	0.06	7.6	0	-2402	SLD 11	-2402	-8821	-68363	-6969	-8821	1	Si
528	0	7.6	0	-2507	SLD 11	-2507	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	96571	8	96571	2.5	124.5	37.7	1837	77300	1	77300	3.5	93.4	0	+∞	Si
28	153635	8	208570	5.4	124.5	81.5	1837	131822	1	184069	8.3	93.4	0	+∞	Si
35	169031	8	222064	5.8	124.5	86.8	1837	146505	1	196850	8.8	93.4	0	+∞	Si
70	232812	8	278680	7.3	124.5	108.9	1837	207030	1	250211	11.2	93.4	0	+∞	Si
106	287914	8	326616	8.5	124.5	127.7	1837	258876	1	294891	13.2	93.4	0	+∞	Si
141	334335	8	365872	9.5	124.5	143	1837	302043	1	330892	14.8	93.4	0	+∞	Si
158	354291	8	382245	10	124.5	149.4	1837	320371	1	345638	15.5	93.4	0	+∞	Si
194	387694	8	408482	10.6	124.5	159.7	1837	350518	1	368619	16.5	93.4	0	+∞	Si
229	412417	8	426040	11.1	124.5	166.5	1837	371986	1	382921	17.2	93.4	0	+∞	Si
264	428460	8	434917	11.3	124.5	170	1837	384773	1	388544	17.4	93.4	0	+∞	Si
299	435823	8	436250	11.4	124.5	170.5	1837	388882	1	388882	17.4	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
335	434508	8	436250	11.4	124.5	170.5	1837	384311	1	388463	17.4	93.4	0	+∞	Si
370	424512	8	433142	11.3	124.5	169.3	1837	371060	1	382378	17.2	93.4	0	+∞	Si
405	405837	8	421633	11	124.5	164.8	1837	349129	1	367613	16.5	93.4	0	+∞	Si
423	393245	8	412623	10.8	124.5	161.3	1837	334909	1	356975	16	93.4	0	+∞	Si
458	363712	9	388094	10.1	124.5	151.7	1837	301812	2	329191	14.8	93.4	0	+∞	Si
493	326085	9	357526	9.3	124.5	139.7	1837	260538	2	294990	13.2	93.4	0	+∞	Si
513	300429	9	336095	8.8	124.5	131.4	1837	232788	2	271466	12.2	93.4	0	+∞	Si
528	279780	9	279780	7.3	124.5	109.4	1837	210584	2	210584	9.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
28	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.015	1	0.014	1	9999	Si
35	0.009	0.007	0.008	0.006	0.008	0.007	0.007	0.007	0.008	0.007	0.019	1	0.018	1	9999	Si
70	0.017	0.014	0.015	0.013	0.015	0.014	0.014	0.013	0.015	0.014	0.036	1	0.034	1	9999	Si
106	0.024	0.02	0.022	0.018	0.022	0.021	0.02	0.019	0.022	0.021	0.051	1	0.049	1	9999	Si
141	0.031	0.025	0.028	0.023	0.028	0.026	0.025	0.024	0.027	0.026	0.064	1	0.062	1	8198	Si
158	0.033	0.028	0.03	0.025	0.03	0.028	0.027	0.026	0.03	0.028	0.07	1	0.067	1	7547	Si
194	0.038	0.031	0.034	0.028	0.034	0.032	0.031	0.029	0.033	0.032	0.079	1	0.076	1	6694	Si
229	0.04	0.034	0.037	0.031	0.037	0.034	0.033	0.031	0.036	0.035	0.085	1	0.082	1	6238	Si
264	0.042	0.035	0.038	0.032	0.038	0.036	0.034	0.032	0.037	0.036	0.087	1	0.084	1	6064	Si
299	0.041	0.035	0.037	0.031	0.037	0.035	0.034	0.032	0.037	0.035	0.086	1	0.084	1	6136	Si
335	0.039	0.033	0.035	0.03	0.035	0.034	0.032	0.03	0.035	0.034	0.082	1	0.079	1	6476	Si
370	0.035	0.03	0.032	0.027	0.032	0.03	0.029	0.027	0.031	0.03	0.074	1	0.072	1	7178	Si
405	0.03	0.025	0.027	0.023	0.027	0.026	0.024	0.023	0.026	0.026	0.062	1	0.061	1	8482	Si
423	0.027	0.023	0.024	0.021	0.024	0.023	0.022	0.021	0.024	0.023	0.055	1	0.054	1	9529	Si
458	0.019	0.016	0.017	0.015	0.017	0.016	0.016	0.015	0.017	0.016	0.04	1	0.039	1	9999	Si
493	0.01	0.009	0.009	0.008	0.009	0.009	0.008	0.008	0.009	0.009	0.021	1	0.021	1	9999	Si
513	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	1	0.009	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	1963	2751	8821	SLV 5	0.57	2474	1.666	104895	805697	962923	SLV 11	0.39	829	1.064	Si
35	1909	2751	8821	SLV 5	0.57	2474	1.666	104895	805697	962923	SLV 11	0.39	829	1.064	Si
70	1662	2751	8821	SLV 5	0.57	2474	1.666	131442	775456	962923	SLV 11	0.39	843	1.072	Si
106	1416	2751	8821	SLV 5	0.57	2474	1.666	192809	698605	962923	SLV 11	0.4	902	1.102	Si
141	1170	2751	8821	SLV 5	0.57	2474	1.666	245496	621760	962923	SLV 11	0.42	1012	1.155	Si
158	1046	2751	8821	SLV 5	0.57	2474	1.666	268584	583341	962923	SLV 11	0.43	1098	1.194	Si
194	800	2751	8821	SLV 5	0.57	2474	1.666	308252	506511	962923	SLV 11	0.46	1366	1.306	Si
229	553	2751	8821	SLV 5	0.57	2474	1.666	339240	429696	962923	SLV 11	0.52	1862	1.483	Si
264	307	2751	8821	SLV 5	0.57	2474	1.666	361549	352908	962923	SLV 11	0.57	2474	1.666	Si
299	60	2751	8821	SLV 5	0.57	2474	1.666	375178	276168	962923	SLV 11	0.57	2474	1.666	Si
335	-186	-2751	-8821	SLV 11	0.57	2474	1.666	380128	199529	962923	SLV 11	0.57	2474	1.666	Si
370	-433	-2751	-8821	SLV 11	0.57	2474	1.666	376397	123175	962923	SLV 11	0.57	2474	1.666	Si
405	-679	-2751	-8821	SLV 11	0.57	2474	1.666	324502	84071	962923	SLV 9	0.57	2474	1.666	Si
423	-802	-2751	-8821	SLV 11	0.57	2474	1.666	307877	118676	962923	SLV 5	0.57	2474	1.666	Si
458	-1049	-2751	-8821	SLV 11	0.57	2474	1.666	268117	198210	962923	SLV 5	0.57	2474	1.666	Si
493	-1295	-2751	-8821	SLV 11	0.57	2474	1.666	232788	255549	962923	SLV 5	0.57	2474	1.666	Si
513	-1437	-2751	-8821	SLV 11	0.57	2474	1.666	232788	255549	962923	SLV 5	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	1963	965	8821	SLD 5	0.6	2474	4.193	104895	356188	962923	SLD 11	0.33	540	2.246	Si
35	1909	965	8821	SLD 5	0.6	2474	4.193	104895	356188	962923	SLD 11	0.33	540	2.246	Si
70	1662	965	8821	SLD 5	0.6	2474	4.193	131442	342817	962923	SLD 11	0.33	549	2.262	Si
106	1416	965	8821	SLD 5	0.6	2474	4.193	192809	308838	962923	SLD 11	0.34	586	2.323	Si
141	1170	965	8821	SLD 5	0.6	2474	4.193	245496	274861	962923	SLD 11	0.35	656	2.433	Si
158	1046	965	8821	SLD 5	0.6	2474	4.193	268584	257874	962923	SLD 11	0.36	707	2.509	Si
194	800	965	8821	SLD 5	0.6	2474	4.193	319540	212846	962923	SLD 11	0.41	937	2.816	Si
229	553	965	8821	SLD 5	0.6	2474	4.193	339240	189940	962923	SLD 11	0.44	1166	3.08	Si
264	307	965	8821	SLD 5	0.6	2474	4.193	361549	155988	962923	SLD 11	0.51	1787	3.669	Si
299	60	965	8821	SLD 5	0.6	2474	4.193	375178	122057	962923	SLD 11	0.6	2474	4.193	Si
335	-186	-965	-8821	SLD 11	0.6	2474	4.193	380128	88170	962923	SLD 11	0.6	2474	4.193	Si
370	-433	-965	-8821	SLD 11	0.6	2474	4.193	376397	54407	962923	SLD 11	0.6	2474	4.193	Si
405	-679	-965	-8821	SLD 11	0.6	2474	4.193	324502	37201	962923	SLD 9	0.6	2474	4.193	Si
423	-802	-965	-8821	SLD 11	0.6	2474	4.193	307877	52505	962923	SLD 5	0.6	2474	4.193	Si
458	-1049	-965	-8821	SLD 11	0.6	2474	4.193	268117	87676	962923	SLD 5	0.6	2474	4.193	Si
493	-1295	-965	-8821	SLD 11	0.6	2474	4.193	232788	113030	962923	SLD 5	0.6	2474	4.193	Si
513	-1437	-965	-8821	SLD 11	0.6	2474	4.193	232788	113030	962923	SLD 5	0.6	2474	4.193	Si

Campata 2 tra i fili ? - 21, sezione R 40x70, asta 1136

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	433959	SLU 36	349089	962923	0.078						Si
12	7.6	5.4	7.6	5.4	298086	SLU 36	294551	962923	0.078						Si
15	7.6	5.4	7.6	5.4	263237	SLU 36	263237	962923	0.078	97918	SLU 1	-181742	-962923	0.078	Si
24	7.6	5.4	7.6	5.4	169245	SLU 18	263237	962923	0.078	20477	SLU 19	-272272	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	56596	SLU 18	263237	962923	0.078	-98982	SLU 19	-394894	-962923	0.078	Si
48	11.24	5.4	7.6	5.4	-57054	SLU 18	220246	963364	0.079	-219742	SLU 19	-520793	-1394788	0.086	Si
54	11.8	5.4	7.6	5.4	-114255	SLU 18	161548	963411	0.08	-280609	SLU 19	-589152	-1461689	0.087	Si
66	12.93	5.4	7.6	5.4	-229406	SLU 18	48830	963496	0.08	-403319	SLU 19	-727262	-1595463	0.09	Si
78	14.05	5.4	7.6	5.4						-530117	SLU 22	-870322	-1729135	0.093	Si
90	18.32	5.4	7.6	5.4						-667249	SLU 22	-1017582	-2233989	0.105	Si
102	19.47	5.4	7.6	5.4						-808410	SLU 26	-1169851	-2369850	0.108	Si
114	20.6	5.4	7.6	5.4						-952258	SLU 35	-1323421	-2502793	0.112	Si
126	21.72	5.4	7.6	5.4						-1103966	SLU 35	-1478292	-2635573	0.116	Si
137	22.81	5.4	7.6	5.4						-1256974	SLU 35	-1539937	-2762053	0.125	Si
143	22.81	5.4	7.6	5.4						-1333966	SLU 35	-1539937	-2762053	0.125	Si
155	22.81	5.4	7.6	5.4						-1488926	SLU 35	-1539937	-2762053	0.125	Si
159	22.81	5.4	7.6	5.4						-1539937	SLU 35	-1539937	-2762053	0.125	Si
167	22.81	5.4	7.6	5.4						-1645186	SLU 35	-1623813	-2762053	0.125	Si
179	22.81	5.4	7.6	5.4						-1802747	SLU 35	-1670450	-2762053	0.125	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	505037	SLV 5	473273	962923	0.078	-31765	SLV 11	-31765	-962923	0.078	Si
12	7.6	5.4	7.6	5.4	454363	SLV 5	452954	962923	0.078	-164158	SLV 11	-164158	-962923	0.078	Si
15	7.6	5.4	7.6	5.4	441287	SLV 5	441287	962923	0.078	-198083	SLV 11	-525180	-962923	0.078	Si
24	7.6	5.4	7.6	5.4	402785	SLV 5	441287	962923	0.078	-297648	SLV 11	-626677	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	350276	SLV 5	441287	962923	0.078	-432208	SLV 11	-763775	-962923	0.078	Si
48	11.24	5.4	7.6	5.4	296818	SLV 5	425141	963364	0.079	-567821	SLV 11	-901900	-1394788	0.086	Si
54	11.8	5.4	7.6	5.4	269729	SLV 5	399205	963411	0.08	-636018	SLV 11	-971346	-1461689	0.087	Si
66	12.93	5.4	7.6	5.4	214826	SLV 5	346631	963496	0.08	-773186	SLV 11	-1111002	-1595463	0.09	Si
78	14.05	5.4	7.6	5.4	158948	SLV 5	293108	963569	0.08	-911381	SLV 11	-1251674	-1729135	0.093	Si
90	18.32	5.4	7.6	5.4	102091	SLV 5	238623	963771	0.081	-1050598	SLV 11	-1393359	-2233989	0.105	Si
102	19.47	5.4	7.6	5.4	44250	SLV 5	183166	963812	0.081	-1190832	SLV 11	-1536054	-2369850	0.108	Si
114	20.6	5.4	7.6	5.4	-14578	SLV 5	126732	963847	0.081	-1332080	SLV 11	-1679759	-2502793	0.112	Si
126	21.72	5.4	7.6	5.4	-74396	SLV 5	69316	963881	0.081	-1474340	SLV 11	-1824471	-2635573	0.116	Si
137	22.81	5.4	7.6	5.4	-135205	SLV 5	10914	963910	0.081	-1617609	SLV 11	-1882012	-2762053	0.125	Si
143	22.81	5.4	7.6	5.4						-1689622	SLV 11	-1882012	-2762053	0.125	Si
155	22.81	5.4	7.6	5.4						-1834403	SLV 11	-1882012	-2762053	0.125	Si
159	22.81	5.4	7.6	5.4						-1882012	SLV 11	-1882012	-2762053	0.125	Si
167	22.81	5.4	7.6	5.4						-1980191	SLV 11	-1960316	-2762053	0.125	Si
179	22.81	5.4	7.6	5.4						-2126985	SLV 11	-2003855	-2762053	0.125	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	355347	SLD 5	309435	962923	0.078						Si
12	7.6	5.4	7.6	5.4	281891	SLD 5	279938	962923	0.078						Si
15	7.6	5.4	7.6	5.4	263002	SLD 5	263002	962923	0.078	-19798	SLD 11	-291283	-962923	0.078	Si
24	7.6	5.4	7.6	5.4	207477	SLD 5	263002	962923	0.078	-102340	SLD 11	-375699	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	132093	SLD 5	263002	962923	0.078	-214025	SLD 11	-489864	-962923	0.078	Si
48	11.24	5.4	7.6	5.4	55731	SLD 5	239692	963364	0.079	-326734	SLD 11	-605040	-1394788	0.086	Si
54	11.8	5.4	7.6	5.4	17182	SLD 5	202331	963411	0.08	-383470	SLD 11	-663007	-1461689	0.087	Si
66	12.93	5.4	7.6	5.4	-60656	SLD 5	126880	963496	0.08	-497704	SLD 11	-779698	-1595463	0.09	Si
78	14.05	5.4	7.6	5.4	-139484	SLD 5	50451	963569	0.08	-612950	SLD 11	-897396	-1729135	0.093	Si
90	18.32	5.4	7.6	5.4						-729205	SLD 11	-1016100	-2233989	0.105	Si
102	19.47	5.4	7.6	5.4						-846469	SLD 11	-1135809	-2369850	0.108	Si
114	20.6	5.4	7.6	5.4						-964739	SLD 11	-1256523	-2502793	0.112	Si
126	21.72	5.4	7.6	5.4						-1084014	SLD 11	-1378240	-2635573	0.116	Si
137	22.81	5.4	7.6	5.4						-1204294	SLD 11	-1426683	-2762053	0.125	Si
143	22.81	5.4	7.6	5.4						-1264811	SLD 11	-1426683	-2762053	0.125	Si
155	22.81	5.4	7.6	5.4						-1386597	SLD 11	-1426683	-2762053	0.125	Si
159	22.81	5.4	7.6	5.4						-1426683	SLD 11	-1426683	-2762053	0.125	Si
167	22.81	5.4	7.6	5.4						-1509386	SLD 11	-1492607	-2762053	0.125	Si
179	22.81	5.4	7.6	5.4						-1633178	SLD 11	-1529263	-2762053	0.125	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-11601	SLU 35	-11601	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-11710	SLU 35	-11710	-8821	-68363	0	-8821	1	Si
15	0.118	7.6	0	-11738	SLU 35	-11738	-8821	-68363	-13746	-13746	1	Si
24	0.118	7.6	0	-11819	SLU 35	-11819	-8821	-68363	-13746	-13746	1	Si
36	0.118	7.6	0	-11928	SLU 35	-11928	-8821	-68363	-13746	-13746	1	Si
48	0.118	7.6	0	-12037	SLU 35	-12037	-8821	-68363	-13746	-13746	1	Si
54	0.118	7.6	0	-12091	SLU 35	-12091	-8821	-68363	-13746	-13746	1	Si
66	0.118	7.6	0	-12200	SLU 35	-12200	-8821	-68363	-13746	-13746	1	Si
78	0.118	7.6	0	-12309	SLU 35	-12309	-8821	-68363	-13746	-13746	1	Si
90	0.118	7.6	0	-12417	SLU 35	-12417	-8821	-68363	-13746	-13746	1	Si
102	0.118	7.6	0	-12526	SLU 35	-12526	-8821	-68363	-13746	-13746	1	Si
114	0.118	11.24	0	-12635	SLU 35	-12635	-10048	-68363	-13746	-13746	1	Si
126	0.118	12.36	0	-12744	SLU 35	-12744	-10373	-68363	-13746	-13746	1	Si
137	0.118	13.49	0	-12853	SLU 35	-12853	-10679	-68363	-13746	-13746	1	Si
143	0.118	14.05	0	-12907	SLU 35	-12907	-10826	-68363	-13746	-13746	1	Si
155	0.118	18.32	0	-13016	SLU 35	-13016	-11825	-68363	-13746	-13746	1	Si
159	0.118	18.91	0	-13051	SLU 35	-13051	-11950	-68363	-13746	-13746	1	Si
167	0	19.47	0	-13125	SLU 35	-13125	-12068	-68363	0	-12068	1	Si
179	0	20.6	0	-13233	SLU 35	-13233	-12296	-68363	0	-12296	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-11069	SLV 11	-11967	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-11153	SLV 11	-12051	-8821	-68363	0	-8821	1	Si
15	0.118	7.6	0	-11174	SLV 11	-12072	-8821	-68363	-13746	-13746	1	Si
24	0.118	7.6	0	-11236	SLV 11	-12134	-8821	-68363	-13746	-13746	1	Si
36	0.118	7.6	0	-11320	SLV 11	-12218	-8821	-68363	-13746	-13746	1	Si
48	0.118	7.6	0	-11404	SLV 11	-12302	-8821	-68363	-13746	-13746	1	Si
54	0.118	7.6	0	-11445	SLV 11	-12344	-8821	-68363	-13746	-13746	1	Si
66	0.118	7.6	0	-11529	SLV 11	-12427	-8821	-68363	-13746	-13746	1	Si
78	0.118	7.6	0	-11613	SLV 11	-12511	-8821	-68363	-13746	-13746	1	Si
90	0.118	7.6	0	-11697	SLV 11	-12595	-8821	-68363	-13746	-13746	1	Si
102	0.118	7.6	0	-11780	SLV 11	-12678	-8821	-68363	-13746	-13746	1	Si
114	0.118	11.24	0	-11864	SLV 11	-12762	-10048	-68363	-13746	-13746	1	Si
126	0.118	12.36	0	-11948	SLV 11	-12846	-10373	-68363	-13746	-13746	1	Si
137	0.118	13.49	0	-12031	SLV 11	-12929	-10679	-68363	-13746	-13746	1	Si
143	0.118	14.05	0	-12073	SLV 11	-12971	-10826	-68363	-13746	-13746	1	Si
155	0.118	18.32	0	-12157	SLV 11	-13055	-11825	-68363	-13746	-13746	1	Si
159	0.118	18.91	0	-12184	SLV 11	-13082	-11950	-68363	-13746	-13746	1	Si
167	0	19.47	0	-12241	SLV 11	-13139	-12068	-68363	0	-12068	1	Si
179	0	20.6	0	-12324	SLV 11	-13222	-12296	-68363	0	-12296	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-9143	SLD 11	-9143	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-9226	SLD 11	-9226	-8821	-68363	0	-8821	1	Si
15	0.118	7.6	0	-9248	SLD 11	-9248	-8821	-68363	-13746	-13746	1	Si
24	0.118	7.6	0	-9310	SLD 11	-9310	-8821	-68363	-13746	-13746	1	Si
36	0.118	7.6	0	-9394	SLD 11	-9394	-8821	-68363	-13746	-13746	1	Si
48	0.118	7.6	0	-9477	SLD 11	-9477	-8821	-68363	-13746	-13746	1	Si
54	0.118	7.6	0	-9519	SLD 11	-9519	-8821	-68363	-13746	-13746	1	Si
66	0.118	7.6	0	-9603	SLD 11	-9603	-8821	-68363	-13746	-13746	1	Si
78	0.118	7.6	0	-9687	SLD 11	-9687	-8821	-68363	-13746	-13746	1	Si
90	0.118	7.6	0	-9770	SLD 11	-9770	-8821	-68363	-13746	-13746	1	Si
102	0.118	7.6	0	-9854	SLD 11	-9854	-8821	-68363	-13746	-13746	1	Si
114	0.118	11.24	0	-9938	SLD 11	-9938	-10048	-68363	-13746	-13746	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
126	0.118	12.36	0	-10021	SLD 11	-10021	-10373	-68363	-13746	-13746	1	Si
137	0.118	13.49	0	-10105	SLD 11	-10105	-10679	-68363	-13746	-13746	1	Si
143	0.118	14.05	0	-10147	SLD 11	-10147	-10826	-68363	-13746	-13746	1	Si
155	0.118	18.32	0	-10231	SLD 11	-10231	-11825	-68363	-13746	-13746	1	Si
159	0.118	18.91	0	-10258	SLD 11	-10258	-11950	-68363	-13746	-13746	1	Si
167	0	19.47	0	-10314	SLD 11	-10314	-12068	-68363	0	-12068	1	Si
179	0	20.6	0	-10398	SLD 11	-10398	-12296	-68363	0	-12296	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	308157	9	244582	6.4	124.5	95.6	1837	236636	2	179497	8.1	93.4	0	+∞	Si
12	206364	9	203715	5.3	124.5	79.6	1837	145102	2	142719	6.4	93.4	0	+∞	Si
15	180251	9	180251	4.7	124.5	70.5	1837	121602	2	121602	5.5	93.4	0	+∞	Si
24	103571	9	180251	4.7	124.5	70.5	1837	52568	2	121602	5.5	93.4	0	+∞	Si
36	-52566	1	-289019	7.5	124.5	113	1837	-52566	1	-289019	13	93.4	0	+∞	Si
48	-149089	1	-389293	15.1	124.5	589.9	1837	-149089	1	-387975	15.1	93.4	0	+∞	Si
54	-197725	1	-443086	16.9	124.5	640.5	1837	-197725	1	-437828	16.7	93.4	0	+∞	Si
66	-295749	1	-551700	20.4	124.5	730.6	1837	-295749	1	-538284	19.9	93.4	0	+∞	Si
78	-396631	4	-663748	23.8	124.5	811.2	1837	-394773	1	-639741	23	93.4	0	+∞	Si
90	-504536	4	-776796	25.5	124.5	736.8	1837	-494798	1	-742198	24.4	93.4	0	+∞	Si
102	-615260	8	-890844	28.7	124.5	797.3	1837	-595823	1	-845656	27.3	93.4	0	+∞	Si
114	-727876	8	-1005893	31.9	124.5	853.3	1837	-697849	1	-950115	30.1	93.4	0	+∞	Si
126	-841492	8	-1121942	35	124.5	904.7	1837	-800875	1	-1055574	32.9	93.4	0	+∞	Si
137	-956110	8	-1168142	35.9	124.5	899.3	1837	-904902	1	-1097584	33.7	93.4	0	+∞	Si
143	-1013793	8	-1168142	35.9	124.5	899.3	1837	-957290	1	-1097584	33.7	93.4	0	+∞	Si
155	-1129911	8	-1168142	35.9	124.5	899.3	1837	-1062818	1	-1097584	33.7	93.4	0	+∞	Si
159	-1168142	8	-1168142	35.9	124.5	899.3	1837	-1097584	1	-1097584	33.7	93.4	0	+∞	Si
167	-1247030	8	-1231006	37.8	124.5	947.7	1837	-1169346	1	-1154756	35.4	93.4	0	+∞	Si
179	-1365149	8	-1265960	38.9	124.5	974.6	1837	-1276875	1	-1186544	36.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
15	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
24	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
36	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.006	2	-0.006	2	9999	Si
48	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.008	2	9999	Si
54	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	2	-0.009	2	9999	Si
66	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.01	2	-0.011	2	9999	Si
78	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	2	-0.012	2	9999	Si
90	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	2	-0.013	2	9999	Si
102	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	2	-0.014	2	9999	Si
108	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	2	-0.014	2	9999	Si
114	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	2	-0.014	2	9999	Si
126	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.013	2	-0.013	2	9999	Si
137	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.011	2	-0.012	2	9999	Si
143	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.01	2	-0.011	2	9999	Si
155	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	2	-0.009	2	9999	Si
159	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.008	2	9999	Si
167	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	-7719	-4353	-13746	SLV 11	0.5	1641	1.408	121602	319685	962923	SLV 5	0.57	2474	1.666	Si
24	-7782	-4353	-13746	SLV 11	0.49	1596	1.392	-176619	-450058	-962923	SLV 11	0.57	2474	1.666	Si
36	-7865	-4353	-13746	SLV 11	0.48	1537	1.371	-272586	-491189	-962923	SLV 11	0.5	1708	1.432	Si
48	-7949	-4353	-13746	SLV 11	0.48	1479	1.349	-369554	-532346	-1394788	SLV 11	0.57	2474	1.666	Si
54	-7991	-4353	-13746	SLV 11	0.47	1451	1.339	-418413	-552933	-1461689	SLV 11	0.57	2474	1.666	Si
66	-8075	-4353	-13746	SLV 11	0.47	1396	1.318	-516882	-594120	-1595463	SLV 11	0.57	2474	1.666	Si
78	-8158	-4353	-13746	SLV 11	0.46	1342	1.297	-616352	-635322	-1729135	SLV 11	0.57	2474	1.666	Si
90	-8242	-4353	-13746	SLV 11	0.46	1289	1.276	-716821	-676537	-2233989	SLV 11	0.57	2474	1.666	Si
102	-8326	-4353	-13746	SLV 11	0.45	1238	1.255	-818292	-717763	-2369850	SLV 11	0.57	2474	1.666	Si
114	-8409	-4353	-13746	SLV 11	0.44	1188	1.234	-920763	-758996	-2502793	SLV 11	0.57	2474	1.666	Si
126	-8493	-4353	-13746	SLV 11	0.44	1140	1.213	-1024234	-800237	-2635573	SLV 11	0.57	2474	1.666	Si
137	-8577	-4353	-13746	SLV 11	0.43	1092	1.192	-1065458	-816554	-2762053	SLV 11	0.57	2474	1.666	Si
143	-8619	-4353	-13746	SLV 11	0.43	1069	1.181	-1065458	-816554	-2762053	SLV 11	0.57	2474	1.666	Si
155	-8702	-4353	-13746	SLV 11	0.42	1023	1.16	-1065458	-816554	-2762053	SLV 11	0.57	2474	1.666	Si
159	-8730	-4353	-13746	SLV 11	0.42	1009	1.154	-1065458	-816554	-2762053	SLV 11	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	-7719	-1528	-13746	SLD 11	0.52	1899	3.762	121602	141400	962923	SLD 5	0.6	2474	4.193	Si
24	-7782	-1528	-13746	SLD 11	0.52	1847	3.719	-176619	-199080	-962923	SLD 11	0.52	1906	3.768	Si
36	-7865	-1528	-13746	SLD 11	0.51	1778	3.662	-272586	-217277	-962923	SLD 11	0.43	1068	2.971	Si
48	-7949	-1528	-13746	SLD 11	0.5	1711	3.605	-369554	-235486	-1394788	SLD 11	0.57	2474	4.193	Si
54	-7991	-1528	-13746	SLD 11	0.5	1678	3.576	-418413	-244594	-1461689	SLD 11	0.56	2342	4.1	Si
66	-8075	-1528	-13746	SLD 11	0.49	1614	3.519	-516882	-262816	-1595463	SLD 11	0.54	2112	3.93	Si
78	-8158	-1528	-13746	SLD 11	0.49	1551	3.462	-616352	-281044	-1729135	SLD 11	0.52	1919	3.778	Si
90	-8242	-1528	-13746	SLD 11	0.48	1489	3.405	-716821	-299279	-2233989	SLD 11	0.6	2474	4.193	Si
102	-8326	-1528	-13746	SLD 11	0.47	1430	3.349	-818292	-317517	-2369850	SLD 11	0.6	2474	4.193	Si
114	-8409	-1528	-13746	SLD 11	0.47	1373	3.294	-920763	-335760	-2502793	SLD 11	0.6	2474	4.193	Si
126	-8493	-1528	-13746	SLD 11	0.46	1316	3.237	-1024234	-354005	-2635573	SLD 11	0.6	2474	4.193	Si
137	-8577	-1528	-13746	SLD 11	0.45	1262	3.182	-1065458	-361224	-2762053	SLD 11	0.6	2474	4.193	Si
143	-8619	-1528	-13746	SLD 11	0.45	1235	3.154	-1065458	-361224	-2762053	SLD 11	0.6	2474	4.193	Si
155	-8702	-1528	-13746	SLD 11	0.44	1182	3.097	-1065458	-361224	-2762053	SLD 11	0.6	2474	4.193	Si
159	-8730	-1528	-13746	SLD 11	0.44	1165	3.079	-1065458	-361224	-2762053	SLD 11	0.6	2474	4.193	Si

Campata 3 tra i fili 21 - 9A, sezione R 40x70, asta 1137

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-1487887	SLU 35	-1411315	-2762053	0.125	Si
20	22.81	5.4	7.6	5.4						-1338661	SLU 35	-1338661	-2762053	0.125	Si
45	22.33	5.4	7.6	5.4						-1154778	SLU 35	-1338661	-2706904	0.121	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
68	18.06	5.4	7.6	5.4						-995446	SLU 35	-1200809	-2203469	0.104	Si
91	13.79	5.4	7.6	5.4						-840929	SLU 35	-1040117	-1697378	0.092	Si
102	7.6	5.4	7.6	5.4						-765729	SLU 26	-961576	-962923	0.078	Si
125	7.6	5.4	7.6	5.4						-619561	SLU 26	-808107	-962923	0.078	Si
147	7.6	5.4	7.6	5.4						-478208	SLU 26	-660513	-962923	0.078	Si
170	7.6	5.4	7.6	5.4						-341670	SLU 26	-517800	-962923	0.078	Si
193	7.6	5.4	7.6	5.4						-209947	SLU 26	-379902	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	-42568	SLU 11	79859	962923	0.078	-84498	SLU 22	-246818	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	47386	SLU 36	196904	962923	0.078	22642	SLU 1	-119381	-962923	0.078	Si
249	7.6	5.4	7.6	5.4	105874	SLU 35	253621	962923	0.078	59623	SLU 2	-59402	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	221872	SLU 35	363443	962923	0.078						Si
295	7.6	5.4	7.6	5.4	333054	SLU 35	451511	962923	0.078						Si
320	7.6	5.4	7.6	5.4	451511	SLU 35	451511	962923	0.078						Si
340	7.6	5.4	7.6	5.4	540976	SLU 35	496461	962923	0.078						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-1141844	SLV 5	-1088049	-2762053	0.125	Si
20	22.81	5.4	7.6	5.4						-1017042	SLV 5	-1017042	-2762053	0.125	Si
45	22.33	5.4	7.6	5.4						-882874	SLV 11	-1017042	-2706904	0.121	Si
68	18.06	5.4	7.6	5.4						-789986	SLV 11	-882874	-2203469	0.104	Si
91	13.79	5.4	7.6	5.4						-715557	SLV 11	-814617	-1697378	0.092	Si
102	7.6	5.4	7.6	5.4						-682948	SLV 11	-773019	-962923	0.078	Si
125	7.6	5.4	7.6	5.4						-624168	SLV 11	-701372	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	-68241	SLV 5	106990	962923	0.078	-572012	SLV 11	-640237	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	68827	SLV 5	240503	962923	0.078	-525206	SLV 11	-586335	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	203187	SLV 5	370887	962923	0.078	-483100	SLV 11	-538080	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	334484	SLV 5	497961	962923	0.078	-445338	SLV 11	-494678	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	462510	SLV 5	621612	962923	0.078	-411714	SLV 11	-455708	-962923	0.078	Si
249	7.6	5.4	7.6	5.4	525255	SLV 5	682129	962923	0.078	-396411	SLV 11	-437804	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	648153	SLV 5	800514	962923	0.078	-368769	SLV 11	-405057	-962923	0.078	Si
295	7.6	5.4	7.6	5.4	767539	SLV 5	896680	962923	0.078	-345023	SLV 11	-376300	-962923	0.078	Si
320	7.6	5.4	7.6	5.4	896680	SLV 5	896680	962923	0.078	-323125	SLV 11	-348778	-962923	0.078	Si
340	7.6	5.4	7.6	5.4	995610	SLV 5	946375	962923	0.078	-309052	SLV 11	-309052	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-1065851	SLD 5	-1012824	-2762053	0.125	Si
20	22.81	5.4	7.6	5.4						-953675	SLD 5	-953675	-2762053	0.125	Si
45	22.33	5.4	7.6	5.4						-824566	SLD 11	-953675	-2706904	0.121	Si
68	18.06	5.4	7.6	5.4						-723325	SLD 11	-824566	-2203469	0.104	Si
91	13.79	5.4	7.6	5.4						-632153	SLD 11	-751076	-1697378	0.092	Si
102	7.6	5.4	7.6	5.4						-589323	SLD 11	-703047	-962923	0.078	Si
125	7.6	5.4	7.6	5.4						-507988	SLD 11	-613522	-962923	0.078	Si
147	7.6	5.4	7.6	5.4						-431589	SLD 11	-530588	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	-96790	SLD 5	41753	962923	0.078	-359589	SLD 11	-452847	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	11800	SLD 5	145920	962923	0.078	-291713	SLD 11	-379631	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	116957	SLD 5	246550	962923	0.078	-227811	SLD 11	-310603	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	218594	SLD 5	343595	962923	0.078	-167797	SLD 11	-245587	-962923	0.078	Si
249	7.6	5.4	7.6	5.4	268074	SLD 5	390763	962923	0.078	-139230	SLD 11	-214549	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	364335	SLD 5	482375	962923	0.078	-84952	SLD 11	-155370	-962923	0.078	Si
295	7.6	5.4	7.6	5.4	456975	SLD 5	556121	962923	0.078	-34459	SLD 11	-100017	-962923	0.078	Si
320	7.6	5.4	7.6	5.4	556121	SLD 5	556121	962923	0.078	17433	SLD 11	-42627	-962923	0.078	Si
340	7.6	5.4	7.6	5.4	631316	SLD 5	593959	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.06	0	7450	SLU 35	7450	11769	68363	0	11769	1	Si
20	0.06	15.92	0	7265	SLU 35	7265	11286	68363	7003	11286	1	Si
34	0.06	7.6	0	7136	SLU 35	7136	8821	68363	7003	8821	1	Si
45	0.06	7.6	0	7031	SLU 35	7031	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	6822	SLU 35	6822	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	6613	SLU 35	6613	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	6508	SLU 35	6508	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	6299	SLU 35	6299	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	6089	SLU 35	6089	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	5880	SLU 35	5880	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	5671	SLU 35	5671	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	5461	SLU 35	5461	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	5252	SLU 35	5252	8821	68363	7003	8821	1	Si
249	0.06	7.6	0	5148	SLU 35	5148	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	4938	SLU 35	4938	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	4729	SLU 35	4729	8821	68363	7003	8821	1	Si
320	0.06	7.6	0	4495	SLU 35	4495	8821	68363	7003	8821	1	Si
340	0	7.6	0	4310	SLU 35	4310	8821	68363	0	8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.06	0	7243	SLV 5	7794	11769	68363	0	11769	1	Si
20	0.06	15.92	0	7101	SLV 5	7651	11286	68363	7003	11286	1	Si
34	0.06	7.6	0	7001	SLV 5	7552	8821	68363	7003	8821	1	Si
45	0.06	7.6	0	6921	SLV 5	7472	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	6760	SLV 5	7311	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	6599	SLV 5	7149	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	6518	SLV 5	7069	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	6357	SLV 5	6908	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	6196	SLV 5	6747	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	6035	SLV 5	6586	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	5874	SLV 5	6425	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	5713	SLV 5	6264	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	5552	SLV 5	6103	8821	68363	7003	8821	1	Si
249	0.06	7.6	0	5471	SLV 5	6022	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	5310	SLV 5	5861	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	5149	SLV 5	5700	8821	68363	7003	8821	1	Si
320	0.06	7.6	0	4970	SLV 5	5520	8821	68363	7003	8821	1	Si
340	0	7.6	0	4827	SLV 5	5378	8821	68363	0	8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.06	0	6057	SLD 5	6057	11769	68363	0	11769	1	Si
20	0.06	15.92	0	5915	SLD 5	5915	11286	68363	7003	11286	1	Si
34	0.06	7.6	0	5815	SLD 5	5815	8821	68363	7003	8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
45	0.06	7.6	0	5735	SLD 5	5735	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	5574	SLD 5	5574	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	5413	SLD 5	5413	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	5332	SLD 5	5332	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	5171	SLD 5	5171	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	5010	SLD 5	5010	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	4849	SLD 5	4849	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	4688	SLD 5	4688	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	4527	SLD 5	4527	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	4366	SLD 5	4366	8821	68363	7003	8821	1	Si
249	0.06	7.6	0	4286	SLD 5	4286	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	4125	SLD 5	4125	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	3964	SLD 5	3964	8821	68363	7003	8821	1	Si
320	0.06	7.6	0	3784	SLD 5	3784	8821	68363	7003	8821	1	Si
340	0	7.6	0	3642	SLD 5	3642	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1132530	8	-1074258	33	124.5	827	1837	-1061425	1	-1006526	30.9	93.4	0	+∞	Si
20	-1018982	8	-1018982	31.3	124.5	784.4	1837	-954526	1	-954526	29.3	93.4	0	+∞	Si
45	-879106	8	-1018982	31.5	124.5	800.3	1837	-823072	1	-954526	29.5	93.4	0	+∞	Si
68	-757950	8	-914118	30.2	124.5	878.9	1837	-709451	1	-855955	28.3	93.4	0	+∞	Si
91	-640498	8	-791915	28.6	124.5	985.9	1837	-599534	1	-741288	26.8	93.4	0	+∞	Si
102	-583161	8	-732203	19.1	124.5	286.2	1837	-545965	1	-685343	30.7	93.4	0	+∞	Si
125	-471264	8	-615556	16	124.5	240.6	1837	-441604	1	-576232	25.8	93.4	0	+∞	Si
147	-363071	8	-502613	13.1	124.5	196.5	1837	-340946	1	-470824	21.1	93.4	0	+∞	Si
170	-258582	8	-393374	10.3	124.5	153.8	1837	-243993	1	-369120	16.6	93.4	0	+∞	Si
193	-157797	8	-287838	7.5	124.5	112.5	1837	-150743	1	-271120	12.2	93.4	0	+∞	Si
215	-61688	4	-186007	4.8	124.5	72.7	1837	-61197	1	-176824	7.9	93.4	0	+∞	Si
238	33541	9	146885	3.8	124.5	57.4	1837	25398	2	129204	5.8	93.4	0	+∞	Si
249	77963	8	189810	4.9	124.5	74.2	1837	66178	1	168361	7.6	93.4	0	+∞	Si
272	165785	8	272882	7.1	124.5	106.7	1837	146465	1	243898	10.9	93.4	0	+∞	Si
295	249903	8	339452	8.8	124.5	132.7	1837	223048	1	304174	13.6	93.4	0	+∞	Si
320	339452	8	339452	8.8	124.5	132.7	1837	304174	1	304174	13.6	93.4	0	+∞	Si
340	407029	8	373416	9.7	124.5	146	1837	365102	1	334863	15	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.01	2	-0.01	2	9999	Si
45	-0.008	-0.01	-0.007	-0.008	-0.008	-0.009	-0.007	-0.008	-0.009	-0.009	-0.019	2	-0.02	2	9999	Si
68	-0.01	-0.012	-0.009	-0.011	-0.011	-0.012	-0.01	-0.01	-0.011	-0.012	-0.024	2	-0.025	2	9999	Si
91	-0.012	-0.014	-0.01	-0.012	-0.012	-0.013	-0.011	-0.012	-0.012	-0.013	-0.027	2	-0.029	2	9999	Si
102	-0.012	-0.014	-0.011	-0.013	-0.012	-0.013	-0.011	-0.012	-0.012	-0.013	-0.028	2	-0.03	2	9999	Si
113	-0.012	-0.014	-0.011	-0.013	-0.012	-0.014	-0.011	-0.012	-0.013	-0.013	-0.028	2	-0.03	2	9999	Si
125	-0.012	-0.014	-0.011	-0.013	-0.012	-0.013	-0.011	-0.012	-0.012	-0.013	-0.028	2	-0.03	2	9999	Si
147	-0.011	-0.013	-0.01	-0.012	-0.012	-0.013	-0.011	-0.011	-0.012	-0.013	-0.027	2	-0.029	2	9999	Si
170	-0.01	-0.012	-0.009	-0.011	-0.011	-0.012	-0.01	-0.01	-0.011	-0.011	-0.024	2	-0.026	2	9999	Si
193	-0.009	-0.01	-0.008	-0.009	-0.009	-0.01	-0.008	-0.009	-0.009	-0.01	-0.021	2	-0.022	2	9999	Si
215	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.017	2	-0.018	2	9999	Si
238	-0.005	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	2	-0.014	2	9999	Si
249	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	2	-0.012	2	9999	Si
272	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.008	2	9999	Si
295	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
320	0	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	2	-0.001	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	4982	2670	11286	SLV 5	0.57	2474	1.666	-905524	-111519	-2762053	SLV 5	0.57	2474	1.666	Si
45	4802	2670	8821	SLV 5	0.54	2052	1.543	-641177	126771	963896	SLV 5	0.57	2474	1.666	Si
68	4641	2670	8821	SLV 5	0.56	2280	1.612	-537323	159809	963762	SLV 5	0.57	2474	1.666	Si
91	4480	2670	8821	SLV 5	0.57	2474	1.666	-437173	-199367	-1697378	SLV 11	0.57	2474	1.666	Si
102	4399	2670	8821	SLV 5	0.57	2474	1.666	-648056	-124963	-962923	SLV 11	0.57	2474	1.666	Si
125	4238	2670	8821	SLV 5	0.57	2474	1.666	-293893	-264547	-962923	SLV 11	0.57	2474	1.666	Si
147	4077	2670	8821	SLV 5	0.57	2474	1.666	-203002	-309993	-962923	SLV 11	0.57	2474	1.666	Si
170	3916	2670	8821	SLV 5	0.57	2474	1.666	-115815	-356319	-962923	SLV 11	0.57	2474	1.666	Si
193	3755	2670	8821	SLV 5	0.57	2474	1.666	-32332	-403220	-962923	SLV 11	0.57	2474	1.666	Si
215	3594	2670	8821	SLV 5	0.57	2474	1.666	47447	450515	962923	SLV 5	0.57	2474	1.666	Si
238	3433	2670	8821	SLV 5	0.57	2474	1.666	123522	498090	962923	SLV 5	0.57	2474	1.666	Si
249	3353	2670	8821	SLV 5	0.57	2474	1.666	160171	521958	962923	SLV 5	0.55	2174	1.58	Si
272	3192	2670	8821	SLV 5	0.57	2474	1.666	230691	569823	962923	SLV 5	0.46	1345	1.298	Si
295	3031	2670	8821	SLV 5	0.57	2474	1.666	286777	609903	962923	SLV 5	0.4	915	1.108	Si
320	2851	2670	8821	SLV 5	0.57	2474	1.666	286777	609903	962923	SLV 5	0.4	915	1.108	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	4982	933	11286	SLD 5	0.6	2474	4.193	-905524	-48151	-2762053	SLD 5	0.6	2474	4.193	Si
45	4802	933	8821	SLD 5	0.57	2405	4.145	-641177	55811	963896	SLD 5	0.6	2474	4.193	Si
68	4641	933	8821	SLD 5	0.59	2474	4.193	-537323	70631	963762	SLD 5	0.6	2474	4.193	Si
91	4480	933	8821	SLD 5	0.6	2474	4.193	-437173	-88215	-1697378	SLD 11	0.6	2474	4.193	Si
102	4399	933	8821	SLD 5	0.6	2474	4.193	-648056	-54992	-962923	SLD 11	0.6	2474	4.193	Si
125	4238	933	8821	SLD 5	0.6	2474	4.193	-293893	-117058	-962923	SLD 11	0.6	2474	4.193	Si
147	4077	933	8821	SLD 5	0.6	2474	4.193	-203002	-137127	-962923	SLD 11	0.6	2474	4.193	Si
170	3916	933	8821	SLD 5	0.6	2474	4.193	-115815	-157568	-962923	SLD 11	0.6	2474	4.193	Si
193	3755	933	8821	SLD 5	0.6	2474	4.193	-32332	-178253	-962923	SLD 11	0.6	2474	4.193	Si
215	3594	933	8821	SLD 5	0.6	2474	4.193	47447	199103	962923	SLD 5	0.6	2474	4.193	Si
238	3433	933	8821	SLD 5	0.6	2474	4.193	123522	220073	962923	SLD 5	0.51	1736	3.626	Si
249	3353	933	8821	SLD 5	0.6	2474	4.193	160171	230592	962923	SLD 5	0.46	1361	3.282	Si
272	3192	933	8821	SLD 5	0.6	2474	4.193	230691	251684	962923	SLD 5	0.39	853	2.71	Si
295	3031	933	8821	SLD 5	0.6	2474	4.193	286777	269344	962923	SLD 5	0.34	597	2.341	Si
320	2851	933	8821	SLD 5	0.6	2474	4.193	286777	269344	962923	SLD 5	0.34	597	2.341	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 45-11

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 45 - 35, sezione R 40x70, asta 1130

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	687513	SLU 36	640851	1414576	0.086						Si
18	7.6	5.4	11.4	5.4	623763	SLU 36	618579	1414576	0.086						Si
28	7.6	5.4	11.4	5.4	590747	SLU 36	590747	1414576	0.086						Si
37	7.6	5.4	11.4	5.4	556953	SLU 36	590747	1414576	0.086						Si
55	7.6	5.4	10.94	5.4	488844	SLU 35	590747	1358976	0.085						Si
73	7.6	5.4	9.7	5.4	419861	SLU 35	528312	1212332	0.083						Si
83	7.6	5.4	7.6	5.4	384222	SLU 35	494549	962923	0.078						Si
101	7.6	5.4	7.6	5.4	310650	SLU 35	425827	962923	0.078						Si
119	7.6	5.4	7.6	5.4	234019	SLU 35	354046	962923	0.078						Si
138	7.6	5.4	7.6	5.4	154329	SLU 35	279206	962923	0.078	62488	SLU 2	-43770	-962923	0.078	Si
156	7.6	5.4	7.6	5.4	71580	SLU 35	201307	962923	0.078	-2092	SLU 2	-129792	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	-4256	SLU 17	120349	962923	0.078	-78998	SLU 20	-223644	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	-73852	SLU 6	36332	962923	0.078	-167555	SLU 30	-321769	-962923	0.078	Si
211	7.6	5.4	7.6	5.4						-263888	SLU 30	-422953	-962923	0.078	Si
220	7.6	5.4	7.6	5.4						-313202	SLU 30	-474692	-962923	0.078	Si
238	7.6	5.4	7.6	5.4						-414124	SLU 30	-508591	-962923	0.078	Si
255	7.6	5.4	7.6	5.4						-508591	SLU 30	-508591	-962923	0.078	Si
257	7.6	5.4	7.6	5.4						-518106	SLU 30	-517752	-962923	0.078	Si
275	7.6	5.4	7.6	5.4						-625146	SLU 30	-565987	-962923	0.078	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	1341425	SLV 11	1245125	1414576	0.086	-396060	SLV 5	-364683	-963377	0.08	Si
18	7.6	5.4	11.4	5.4	1211424	SLV 11	1200885	1414576	0.086	-354982	SLV 5	-351654	-963377	0.08	Si
28	7.6	5.4	11.4	5.4	1145597	SLV 11	1145597	1414576	0.086	-335371	SLV 5	-335371	-963377	0.08	Si
37	7.6	5.4	11.4	5.4	1079192	SLV 11	1145597	1414576	0.086	-316378	SLV 5	-335371	-963377	0.08	Si
55	7.6	5.4	10.94	5.4	944798	SLV 11	1145597	1358976	0.085	-280318	SLV 5	-335371	-963336	0.079	Si
73	7.6	5.4	9.7	5.4	808371	SLV 11	1023709	1212332	0.083	-246932	SLV 5	-301164	-963210	0.079	Si
83	7.6	5.4	7.6	5.4	739469	SLV 11	956338	962923	0.078	-231315	SLV 5	-283347	-962923	0.078	Si
101	7.6	5.4	7.6	5.4	600561	SLV 11	820082	962923	0.078	-202507	SLV 5	-249729	-962923	0.078	Si
119	7.6	5.4	7.6	5.4	460851	SLV 7	682028	962923	0.078	-177603	SLV 9	-219019	-962923	0.078	Si
138	7.6	5.4	7.6	5.4	321422	SLV 7	542685	962923	0.078	-157686	SLV 9	-191726	-962923	0.078	Si
156	7.6	5.4	7.6	5.4	182759	SLV 7	402983	962923	0.078	-143242	SLV 9	-172668	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	47915	SLV 3	263888	962923	0.078	-137322	SLV 13	-271970	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	-15027	SLV 1	125420	962923	0.078	-208011	SLV 15	-398479	-962923	0.078	Si
211	7.6	5.4	7.6	5.4	-42569	SLV 1	18430	962923	0.078	-318805	SLV 15	-556388	-962923	0.078	Si
220	7.6	5.4	7.6	5.4						-385055	SLV 11	-636365	-962923	0.078	Si
238	7.6	5.4	7.6	5.4						-542725	SLV 11	-688476	-962923	0.078	Si
255	7.6	5.4	7.6	5.4						-688476	SLV 11	-688476	-962923	0.078	Si
257	7.6	5.4	7.6	5.4						-703103	SLV 11	-702571	-962923	0.078	Si
275	7.6	5.4	7.6	5.4						-866003	SLV 11	-776786	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	856496	SLD 11	795835	1414576	0.086						Si
18	7.6	5.4	11.4	5.4	774249	SLD 11	767580	1414576	0.086						Si
28	7.6	5.4	11.4	5.4	732270	SLD 11	732270	1414576	0.086						Si
37	7.6	5.4	11.4	5.4	689702	SLD 11	732270	1414576	0.086						Si
55	7.6	5.4	10.94	5.4	602887	SLD 11	732270	1358976	0.085						Si
73	7.6	5.4	9.7	5.4	513861	SLD 11	653953	1212332	0.083						Si
83	7.6	5.4	7.6	5.4	468551	SLD 11	610361	962923	0.078						Si
101	7.6	5.4	7.6	5.4	376458	SLD 11	521522	962923	0.078	21596	SLD 5	-13448	-962923	0.078	Si
119	7.6	5.4	7.6	5.4	282699	SLD 7	430575	962923	0.078	549	SLD 9	-40205	-962923	0.078	Si
138	7.6	5.4	7.6	5.4	187751	SLD 7	337747	962923	0.078	-24016	SLD 9	-70610	-962923	0.078	Si
156	7.6	5.4	7.6	5.4	91829	SLD 7	243447	962923	0.078	-52312	SLD 9	-123010	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	-3719	SLD 3	148104	962923	0.078	-85688	SLD 13	-204922	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	-68855	SLD 1	51722	962923	0.078	-154183	SLD 15	-300078	-962923	0.078	Si
211	7.6	5.4	7.6	5.4						-241758	SLD 15	-410532	-962923	0.078	Si
220	7.6	5.4	7.6	5.4						-290705	SLD 11	-466703	-962923	0.078	Si
238	7.6	5.4	7.6	5.4						-400941	SLD 11	-503389	-962923	0.078	Si
255	7.6	5.4	7.6	5.4						-503389	SLD 11	-503389	-962923	0.078	Si
257	7.6	5.4	7.6	5.4						-513686	SLD 11	-513309	-962923	0.078	Si
275	7.6	5.4	7.6	5.4						-628858	SLD 11	-565544	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.32	0	-3479	SLU 32	-3479	-9766	-68363	0	-9766	1	Si
18	0	7.6	0	-3646	SLU 32	-3646	-8821	-68363	0	-8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
28	0.086	7.6	0	-3730	SLU 32	-3730	-8821	-68363	-10004	-10004	1	Si
37	0.086	7.6	0	-3813	SLU 32	-3813	-8821	-68363	-10004	-10004	1	Si
55	0.086	7.6	0	-3980	SLU 32	-3980	-8821	-68363	-10004	-10004	1	Si
73	0.086	7.6	0	-4147	SLU 32	-4147	-8821	-68363	-10004	-10004	1	Si
83	0.086	7.6	0	-4230	SLU 32	-4230	-8821	-68363	-10004	-10004	1	Si
101	0.092	7.6	0	-4397	SLU 32	-4397	-8821	-68363	-10668	-10668	1	Si
119	0.092	7.6	0	-4564	SLU 32	-4564	-8821	-68363	-10668	-10668	1	Si
138	0.092	7.6	0	-4731	SLU 32	-4731	-8821	-68363	-10668	-10668	1	Si
156	0.092	7.6	0	-4898	SLU 32	-4898	-8821	-68363	-10668	-10668	1	Si
174	0.092	7.6	0	-5065	SLU 32	-5065	-8821	-68363	-10668	-10668	1	Si
193	0.101	7.6	0	-5231	SLU 32	-5231	-8821	-68363	-11671	-11671	1	Si
211	0.101	7.6	0	-5398	SLU 32	-5398	-8821	-68363	-11671	-11671	1	Si
220	0.101	7.6	0	-5482	SLU 32	-5482	-8821	-68363	-11671	-11671	1	Si
238	0.101	7.6	0	-5648	SLU 32	-5648	-8821	-68363	-11671	-11671	1	Si
255	0.101	7.6	0	-5800	SLU 32	-5800	-8821	-68363	-11671	-11671	1	Si
257	0	7.6	0	-5815	SLU 32	-5815	-8821	-68363	0	-8821	1	Si
275	0	7.6	0	-5982	SLU 32	-5982	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2324	SLV 5	3542	8821	68363	0	8821	1	Si
0	0	10.32	0	-7046	SLV 11	-8264	-9766	-68363	0	-9766	1	Si
18	0	7.6	0	2196	SLV 5	3414	8821	68363	0	8821	1	Si
18	0	7.6	0	-7174	SLV 11	-8392	-8821	-68363	0	-8821	1	Si
28	0.086	7.6	0	2132	SLV 5	3350	8821	68363	10004	10004	1	Si
28	0.086	7.6	0	-7238	SLV 11	-8457	-8821	-68363	-10004	-10004	1	Si
37	0.086	7.6	0	2068	SLV 5	3286	8821	68363	10004	10004	1	Si
37	0.086	7.6	0	-7303	SLV 11	-8521	-8821	-68363	-10004	-10004	1	Si
55	0.086	7.6	0	1939	SLV 5	3157	8821	68363	10004	10004	1	Si
55	0.086	7.6	0	-7431	SLV 11	-8649	-8821	-68363	-10004	-10004	1	Si
73	0.086	7.6	0	1811	SLV 5	3029	8821	68363	10004	10004	1	Si
73	0.086	7.6	0	-7559	SLV 11	-8777	-8821	-68363	-10004	-10004	1	Si
83	0.086	7.6	0	1747	SLV 5	2965	8821	68363	10004	10004	1	Si
83	0.086	7.6	0	-7623	SLV 11	-8842	-8821	-68363	-10004	-10004	1	Si
101	0.092	7.6	0	1618	SLV 5	2837	8821	68363	10668	10668	1	Si
101	0.092	7.6	0	-7752	SLV 11	-8970	-8821	-68363	-10668	-10668	1	Si
119	0.092	7.6	0	1490	SLV 5	2708	8821	68363	10668	10668	1	Si
119	0.092	7.6	0	-7880	SLV 11	-9098	-8821	-68363	-10668	-10668	1	Si
138	0.092	7.6	0	1362	SLV 5	2580	8821	68363	10668	10668	1	Si
138	0.092	7.6	0	-8009	SLV 11	-9227	-8821	-68363	-10668	-10668	1	Si
156	0.092	7.6	0	1233	SLV 5	2452	8821	68363	10668	10668	1	Si
156	0.092	7.6	0	-8137	SLV 11	-9355	-8821	-68363	-10668	-10668	1	Si
174	0.092	7.6	0	1105	SLV 5	2323	8821	68363	10668	10668	1	Si
174	0.092	7.6	0	-8265	SLV 11	-9483	-8821	-68363	-10668	-10668	1	Si
193	0.101	7.6	0	977	SLV 5	2195	8821	68363	11671	11671	1	Si
193	0.101	7.6	0	-8394	SLV 11	-9612	-8821	-68363	-11671	-11671	1	Si
211	0.101	7.6	0	848	SLV 5	2066	8821	68363	11671	11671	1	Si
211	0.101	7.6	0	-8522	SLV 11	-9740	-8821	-68363	-11671	-11671	1	Si
220	0.101	7.6	0	784	SLV 5	2002	8821	68363	11671	11671	1	Si
220	0.101	7.6	0	-8586	SLV 11	-9804	-8821	-68363	-11671	-11671	1	Si
238	0.101	7.6	0	656	SLV 5	1874	8821	68363	11671	11671	1	Si
238	0.101	7.6	0	-8714	SLV 11	-9933	-8821	-68363	-11671	-11671	1	Si
255	0.101	7.6	0	539	SLV 5	1757	8821	68363	11671	11671	1	Si
255	0.101	7.6	0	-8831	SLV 11	-10049	-8821	-68363	-11671	-11671	1	Si
257	0	7.6	0	528	SLV 5	1746	8821	68363	0	8821	1	Si
257	0	7.6	0	-8843	SLV 11	-10061	-8821	-68363	0	-8821	1	Si
275	0	7.6	0	399	SLV 5	1617	8821	68363	0	8821	1	Si
275	0	7.6	0	-8971	SLV 11	-10189	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.32	0	-4430	SLD 11	-4430	-9766	-68363	0	-9766	1	Si
18	0	7.6	0	-4559	SLD 11	-4559	-8821	-68363	0	-8821	1	Si
28	0.086	7.6	0	-4623	SLD 11	-4623	-8821	-68363	-10004	-10004	1	Si
37	0.086	7.6	0	-4687	SLD 11	-4687	-8821	-68363	-10004	-10004	1	Si
55	0.086	7.6	0	-4815	SLD 11	-4815	-8821	-68363	-10004	-10004	1	Si
73	0.086	7.6	0	-4944	SLD 11	-4944	-8821	-68363	-10004	-10004	1	Si
83	0.086	7.6	0	-5008	SLD 11	-5008	-8821	-68363	-10004	-10004	1	Si
101	0.092	7.6	0	-5136	SLD 11	-5136	-8821	-68363	-10668	-10668	1	Si
119	0.092	7.6	0	-5265	SLD 11	-5265	-8821	-68363	-10668	-10668	1	Si
138	0.092	7.6	0	-5393	SLD 11	-5393	-8821	-68363	-10668	-10668	1	Si
156	0.092	7.6	0	-5521	SLD 11	-5521	-8821	-68363	-10668	-10668	1	Si
174	0.092	7.6	0	-5650	SLD 11	-5650	-8821	-68363	-10668	-10668	1	Si
193	0.101	7.6	0	-5778	SLD 11	-5778	-8821	-68363	-11671	-11671	1	Si
211	0.101	7.6	0	-5906	SLD 11	-5906	-8821	-68363	-11671	-11671	1	Si
220	0.101	7.6	0	-5971	SLD 11	-5971	-8821	-68363	-11671	-11671	1	Si
238	0.101	7.6	0	-6099	SLD 11	-6099	-8821	-68363	-11671	-11671	1	Si
255	0.101	7.6	0	-6216	SLD 11	-6216	-8821	-68363	-11671	-11671	1	Si
257	0	7.6	0	-6227	SLD 11	-6227	-8821	-68363	0	-8821	1	Si
275	0	7.6	0	-6356	SLD 11	-6356	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	514279	9	479523	18.5	124.5	716.4	1837	472682	2	440221	17	93.4	0	+∞	Si
18	466758	9	462897	17.9	124.5	691.6	1837	428221	2	424615	16.4	93.4	0	+∞	Si
28	442119	9	442119	17.1	124.5	660.5	1837	405113	2	405113	15.7	93.4	0	+∞	Si
37	416883	9	442119	17.1	124.5	660.5	1837	381407	2	405113	15.7	93.4	0	+∞	Si
55	365828	8	442119	17.3	124.5	687.7	1837	333245	1	405113	15.9	93.4	0	+∞	Si
73	313877	8	395480	16.2	124.5	690.5	1837	283979	1	361273	14.8	93.4	0	+∞	Si
83	287019	8	370121	9.6	124.5	144.7	1837	258463	1	337308	15.1	93.4	0	+∞	Si
101	231537	8	318371	8.3	124.5	124.4	1837	205667	1	288243	12.9	93.4	0	+∞	Si
119	173703	8	264267	6.9	124.5	103.3	1837	150518	1	236825	10.6	93.4	0	+∞	Si
138	113516	8	207811	5.4	124.5	81.2	1837	93016	1	183053	8.2	93.4	0	+∞	Si
156	50976	8	149002	3.9	124.5	58.2	1837	33160	1	126929	5.7	93.4	0	+∞	Si
174	-55140	2	-166367	4.3	124.5	65	1837	-44704	2	-151776	6.8	93.4	0	+∞	Si
193	-124137	3	-240283	6.3	124.5	93.9	1837	-111519	2	-222322	10	93.4	0	+∞	Si
211	-196675	3	-316551	8.2	124.5	123.7	1837	-180687	2	-295221	13.2	93.4	0	+∞	Si
220	-233827	3	-355568	9.3	124.5	139	1837	-216154	2	-332553	14.9	93.4	0	+∞	Si
238	-309894	3	-381138	9.9	124.5	149	1837	-288852	2	-357032	16	93.4	0	+∞	Si
255	-381138	3	-381138	9.9	124.5	149	1837	-357032	2	-357032	16	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
257	-388315	3	-388049	10.1	124.5	151.7	1837	-363903	2	-363650	16.3	93.4	0	+∞	Si
275	-469089	3	-424435	11.1	124.5	165.9	1837	-441307	2	-398492	17.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
28	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.004	1	9999	Si
37	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	1	0.005	1	9999	Si
55	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	1	0.007	1	9999	Si
73	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.008	1	0.007	1	9999	Si
83	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.008	1	0.007	1	9999	Si
101	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	1	0.007	1	9999	Si
119	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	1	0.006	1	9999	Si
138	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	1	0.005	1	9999	Si
156	0.002	0.001	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	1	0.003	1	9999	Si
174	0.002	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.002	1	9999	Si
193	0.001	0	0.001	0	0.001	0	0	0	0.001	0	0.001	1	0	1	9999	Si
211	0	0	0	0	0	0	0	0	0	0	0	1	-0.001	1	9999	Si
220	0	-0.001	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
238	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	1	-0.002	1	9999	Si
255	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	1	-0.001	1	9999	Si
257	0	-0.001	0	-0.001	0	-0.001	0	0	0	-0.001	-0.001	1	-0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	-2553	-5903	-10004	SLV 11	0.45	1283	1.273	405113	740484	1414576	SLV 11	0.49	1574	1.384	Si
37	-2618	-5903	-10004	SLV 11	0.45	1254	1.261	405113	740484	1414576	SLV 11	0.49	1574	1.384	Si
55	-2746	-5903	-10004	SLV 11	0.44	1197	1.237	405113	740484	1358976	SLV 11	0.46	1354	1.302	Si
73	-2874	-5903	-10004	SLV 11	0.44	1142	1.214	361273	662437	1212332	SLV 11	0.46	1345	1.298	Si
83	-2938	-5903	-10004	SLV 11	0.43	1115	1.202	336496	619843	962923	SLV 11	0.37	730	1.01	Si
101	-3067	-5903	-10668	SLV 11	0.46	1353	1.301	285177	534905	962923	SLV 11	0.46	1296	1.278	Si
119	-3195	-5903	-10668	SLV 11	0.46	1293	1.277	231504	450523	962923	SLV 11	0.57	2474	1.666	Si
138	-3323	-5903	-10668	SLV 11	0.45	1235	1.253	175479	367206	962923	SLV 11	0.57	2474	1.666	Si
156	-3452	-5903	-10668	SLV 11	0.44	1179	1.23	117101	285882	962923	SLV 7	0.57	2474	1.666	Si
174	-3580	-5903	-10668	SLV 11	0.43	1124	1.206	56370	207519	962923	SLV 7	0.57	2474	1.666	Si
193	-3708	-5903	-11671	SLV 11	0.48	1530	1.368	-222322	-176157	-962923	SLV 11	0.57	2474	1.666	Si
211	-3837	-5903	-11671	SLV 11	0.48	1465	1.344	-295221	-261167	-962923	SLV 11	0.57	2474	1.666	Si
220	-3901	-5903	-11671	SLV 11	0.47	1433	1.332	-332553	-303811	-962923	SLV 11	0.57	2474	1.666	Si
238	-4029	-5903	-11671	SLV 11	0.47	1372	1.309	-357032	-331443	-962923	SLV 11	0.57	2474	1.666	Si
255	-4146	-5903	-11671	SLV 11	0.46	1317	1.287	-357032	-331443	-962923	SLV 11	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	-2553	-2070	-10004	SLD 11	0.48	1488	3.404	405113	327157	1414576	SLD 11	0.41	987	2.877	Si
37	-2618	-2070	-10004	SLD 11	0.48	1455	3.373	405113	327157	1414576	SLD 11	0.41	987	2.877	Si
55	-2746	-2070	-10004	SLD 11	0.47	1388	3.308	405113	327157	1358976	SLD 11	0.39	858	2.716	Si
73	-2874	-2070	-10004	SLD 11	0.46	1324	3.245	361273	292681	1212332	SLD 11	0.39	852	2.708	Si
83	-2938	-2070	-10004	SLD 11	0.46	1293	3.214	336496	273865	962923	SLD 11	0.31	477	2.135	Si
101	-3067	-2070	-10668	SLD 11	0.49	1570	3.48	285177	236345	962923	SLD 11	0.39	824	2.671	Si
119	-3195	-2070	-10668	SLD 11	0.48	1500	3.415	231504	199071	962923	SLD 11	0.49	1571	3.481	Si
138	-3323	-2070	-10668	SLD 11	0.47	1433	3.352	175479	162268	962923	SLD 11	0.6	2474	4.193	Si
156	-3452	-2070	-10668	SLD 11	0.46	1368	3.289	117101	126346	962923	SLD 7	0.6	2474	4.193	Si
174	-3580	-2070	-10668	SLD 11	0.46	1304	3.225	56370	91734	962923	SLD 7	0.6	2474	4.193	Si
193	-3708	-2070	-11671	SLD 11	0.51	1778	3.662	-222322	-77757	-962923	SLD 11	0.6	2474	4.193	Si
211	-3837	-2070	-11671	SLD 11	0.5	1702	3.597	-295221	-115311	-962923	SLD 11	0.6	2474	4.193	Si
220	-3901	-2070	-11671	SLD 11	0.5	1664	3.564	-332553	-134150	-962923	SLD 11	0.6	2474	4.193	Si
238	-4029	-2070	-11671	SLD 11	0.49	1592	3.5	-357032	-146356	-962923	SLD 11	0.55	2163	3.968	Si
255	-4146	-2070	-11671	SLD 11	0.48	1528	3.441	-357032	-146356	-962923	SLD 11	0.55	2163	3.968	Si

Campata 2 tra i fili 35 - 28, sezione R 40x70, asta 1131

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-288426	SLU 30	-288426	-962923	0.078	Si
12	7.6	5.4	7.6	5.4						-292046	SLU 30	-292046	-962923	0.078	Si
20	7.6	5.4	7.6	5.4						-295325	SLU 30	-311785	-962923	0.078	Si
24	7.6	5.4	7.6	5.4						-296941	SLU 30	-314387	-962923	0.078	Si
36	7.6	5.4	7.6	5.4						-303109	SLU 30	-323686	-962923	0.078	Si
47	7.6	5.4	7.6	5.4						-310552	SLU 30	-334259	-962923	0.078	Si
53	7.6	5.4	7.6	5.4						-314751	SLU 30	-340024	-962923	0.078	Si
65	7.6	5.4	7.6	5.4						-324106	SLU 30	-352509	-962923	0.078	Si
77	7.6	5.4	7.6	5.4						-334734	SLU 30	-366267	-962923	0.078	Si
89	7.6	5.4	7.6	5.4						-346637	SLU 30	-381301	-962923	0.078	Si
101	7.6	5.4	7.6	5.4						-359814	SLU 30	-397608	-962923	0.078	Si
112	7.6	5.4	7.6	5.4						-374266	SLU 30	-415190	-962923	0.078	Si
124	7.6	5.4	7.6	5.4						-389991	SLU 30	-434046	-962923	0.078	Si
136	7.6	5.4	7.6	5.4						-406991	SLU 30	-441036	-962923	0.078	Si
142	7.6	5.4	7.6	5.4						-415969	SLU 30	-441036	-962923	0.078	Si
154	7.6	5.4	7.6	5.4						-434880	SLU 30	-441036	-962923	0.078	Si
158	7.6	5.4	7.6	5.4						-441036	SLU 30	-441036	-962923	0.078	Si
166	7.6	5.4	7.6	5.4						-455065	SLU 30	-451989	-962923	0.078	Si
178	7.6	5.4	7.6	5.4						-476525	SLU 30	-457889	-962923	0.078	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	532311	SLV 7	454202	962923	0.078	-899762	SLV 9	-827790	-962923	0.078	Si
12	7.6	5.4	7.6	5.4	445216	SLV 7	429855	962923	0.078	-820842	SLV 9	-806553	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	384655	SLV 7	384655	962923	0.078	-767123	SLV 9	-767123	-962923	0.078	Si
24	7.6	5.4	7.6	5.4	357384	SLV 7	384655	962923	0.078	-743145	SLV 9	-767123	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	268856	SLV 7	384655	962923	0.078	-666712	SLV 9	-767123	-962923	0.078	Si
47	7.6	5.4	7.6	5.4	179679	SLV 7	384655	962923	0.078	-591590	SLV 9	-767123	-962923	0.078	Si
53	7.6	5.4	7.6	5.4	134864	SLV 7	353551	962923	0.078	-554538	SLV 9	-739815	-962923	0.078	Si
65	7.6	5.4	7.6	5.4	44835	SLV 7	264994	962923	0.078	-481505	SLV 9	-663439	-962923	0.078	Si
77	7.6	5.4	7.6	5.4	-45580	SLV 7	175791	962923	0.078	-410046	SLV 9	-588375	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
89	7.6	5.4	7.6	5.4	-95610	SLV 3	86001	962923	0.078	-380933	SLV 13	-514686	-962923	0.078	Si
101	7.6	5.4	7.6	5.4						-381202	SLV 15	-538465	-962923	0.078	Si
112	7.6	5.4	7.6	5.4	-105999	SLV 1	41826	962923	0.078	-418259	SLV 15	-635443	-962923	0.078	Si
124	7.6	5.4	7.6	5.4	-56396	SLV 5	108550	962923	0.078	-494660	SLV 11	-733782	-962923	0.078	Si
136	7.6	5.4	7.6	5.4	11156	SLV 5	131946	962923	0.078	-590971	SLV 11	-768851	-962923	0.078	Si
142	7.6	5.4	7.6	5.4	44740	SLV 5	131946	962923	0.078	-639669	SLV 11	-768851	-962923	0.078	Si
154	7.6	5.4	7.6	5.4	111436	SLV 5	131946	962923	0.078	-738064	SLV 11	-768851	-962923	0.078	Si
158	7.6	5.4	7.6	5.4	131946	SLV 5	131946	962923	0.078	-768851	SLV 11	-768851	-962923	0.078	Si
166	7.6	5.4	7.6	5.4	177446	SLV 5	169307	962923	0.078	-837733	SLV 11	-824495	-962923	0.078	Si
178	7.6	5.4	7.6	5.4	242717	SLV 5	189431	962923	0.078	-938624	SLV 11	-854466	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	132906	SLD 7	96653	962923	0.078	-500358	SLD 9	-470241	-962923	0.078	Si
12	7.6	5.4	7.6	5.4	92112	SLD 7	85020	962923	0.078	-467738	SLD 9	-461717	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	63423	SLD 7	63423	962923	0.078	-445892	SLD 9	-445892	-962923	0.078	Si
24	7.6	5.4	7.6	5.4	50445	SLD 7	63423	962923	0.078	-436206	SLD 9	-445892	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	7924	SLD 7	63423	962923	0.078	-405780	SLD 9	-445892	-962923	0.078	Si
47	7.6	5.4	7.6	5.4	-35431	SLD 7	63423	962923	0.078	-376480	SLD 9	-445892	-962923	0.078	Si
53	7.6	5.4	7.6	5.4	-57413	SLD 7	48610	962923	0.078	-362261	SLD 9	-434874	-962923	0.078	Si
65	7.6	5.4	7.6	5.4	-101965	SLD 7	6052	962923	0.078	-334705	SLD 9	-404497	-962923	0.078	Si
77	7.6	5.4	7.6	5.4						-308392	SLD 9	-375247	-962923	0.078	Si
89	7.6	5.4	7.6	5.4						-301392	SLD 13	-347151	-962923	0.078	Si
101	7.6	5.4	7.6	5.4						-307899	SLD 15	-395428	-962923	0.078	Si
112	7.6	5.4	7.6	5.4						-331215	SLD 15	-446584	-962923	0.078	Si
124	7.6	5.4	7.6	5.4						-372458	SLD 11	-498887	-962923	0.078	Si
136	7.6	5.4	7.6	5.4						-423068	SLD 11	-517651	-962923	0.078	Si
142	7.6	5.4	7.6	5.4						-448818	SLD 11	-517651	-962923	0.078	Si
154	7.6	5.4	7.6	5.4						-501170	SLD 11	-517651	-962923	0.078	Si
158	7.6	5.4	7.6	5.4						-517651	SLD 11	-517651	-962923	0.078	Si
166	7.6	5.4	7.6	5.4						-554632	SLD 11	-547356	-962923	0.078	Si
178	7.6	5.4	7.6	5.4						-609181	SLD 11	-563356	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-547	SLU 19	-547	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-655	SLU 19	-655	-8821	-68363	0	-8821	1	Si
20	0.095	7.6	0	-729	SLU 19	-729	-8821	-68363	-11034	-11034	1	Si
24	0.095	7.6	0	-763	SLU 19	-763	-8821	-68363	-11034	-11034	1	Si
36	0.095	7.6	0	-870	SLU 19	-870	-8821	-68363	-11034	-11034	1	Si
47	0.095	7.6	0	-978	SLU 19	-978	-8821	-68363	-11034	-11034	1	Si
53	0.095	7.6	0	-1032	SLU 19	-1032	-8821	-68363	-11034	-11034	1	Si
65	0.095	7.6	0	-1139	SLU 19	-1139	-8821	-68363	-11034	-11034	1	Si
77	0.095	7.6	0	-1247	SLU 19	-1247	-8821	-68363	-11034	-11034	1	Si
89	0.095	7.6	0	-1355	SLU 19	-1355	-8821	-68363	-11034	-11034	1	Si
101	0.095	7.6	0	-1463	SLU 19	-1463	-8821	-68363	-11034	-11034	1	Si
112	0.095	7.6	0	-1570	SLU 19	-1570	-8821	-68363	-11034	-11034	1	Si
124	0.095	7.6	0	-1678	SLU 19	-1678	-8821	-68363	-11034	-11034	1	Si
136	0.095	7.6	0	-1786	SLU 19	-1786	-8821	-68363	-11034	-11034	1	Si
142	0.095	7.6	0	-1839	SLU 19	-1839	-8821	-68363	-11034	-11034	1	Si
154	0.095	7.6	0	-1947	SLU 19	-1947	-8821	-68363	-11034	-11034	1	Si
158	0.095	7.6	0	-1980	SLU 19	-1980	-8821	-68363	-11034	-11034	1	Si
166	0	7.6	0	-2055	SLU 19	-2055	-8821	-68363	0	-8821	1	Si
178	0	7.6	0	-2162	SLU 19	-2162	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	6851	SLV 5	8711	8821	68363	0	8821	1	Si
0	0	7.6	0	-7459	SLV 11	-9319	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	6768	SLV 5	8629	8821	68363	0	8821	1	Si
12	0	7.6	0	-7542	SLV 11	-9402	-8821	-68363	0	-8821	1	Si
20	0.095	7.6	0	6711	SLV 5	8571	8821	68363	11034	11034	1	Si
20	0.095	7.6	0	-7599	SLV 11	-9459	-8821	-68363	-11034	-11034	1	Si
24	0.095	7.6	0	6685	SLV 5	8546	8821	68363	11034	11034	1	Si
24	0.095	7.6	0	-7625	SLV 11	-9485	-8821	-68363	-11034	-11034	1	Si
36	0.095	7.6	0	6603	SLV 5	8463	8821	68363	11034	11034	1	Si
36	0.095	7.6	0	-7707	SLV 11	-9568	-8821	-68363	-11034	-11034	1	Si
47	0.095	7.6	0	6520	SLV 5	8380	8821	68363	11034	11034	1	Si
47	0.095	7.6	0	-7790	SLV 11	-9651	-8821	-68363	-11034	-11034	1	Si
53	0.095	7.6	0	6478	SLV 5	8339	8821	68363	11034	11034	1	Si
53	0.095	7.6	0	-7832	SLV 11	-9692	-8821	-68363	-11034	-11034	1	Si
65	0.095	7.6	0	6395	SLV 5	8256	8821	68363	11034	11034	1	Si
65	0.095	7.6	0	-7915	SLV 11	-9775	-8821	-68363	-11034	-11034	1	Si
77	0.095	7.6	0	6313	SLV 5	8173	8821	68363	11034	11034	1	Si
77	0.095	7.6	0	-7997	SLV 11	-9858	-8821	-68363	-11034	-11034	1	Si
89	0.095	7.6	0	6230	SLV 5	8090	8821	68363	11034	11034	1	Si
89	0.095	7.6	0	-8080	SLV 11	-9941	-8821	-68363	-11034	-11034	1	Si
101	0.095	7.6	0	6147	SLV 5	8007	8821	68363	11034	11034	1	Si
101	0.095	7.6	0	-8163	SLV 11	-10023	-8821	-68363	-11034	-11034	1	Si
112	0.095	7.6	0	6064	SLV 5	7924	8821	68363	11034	11034	1	Si
112	0.095	7.6	0	-8246	SLV 11	-10106	-8821	-68363	-11034	-11034	1	Si
124	0.095	7.6	0	5981	SLV 5	7842	8821	68363	11034	11034	1	Si
124	0.095	7.6	0	-8329	SLV 11	-10189	-8821	-68363	-11034	-11034	1	Si
136	0.095	7.6	0	5898	SLV 5	7759	8821	68363	11034	11034	1	Si
136	0.095	7.6	0	-8412	SLV 11	-10272	-8821	-68363	-11034	-11034	1	Si
142	0.095	7.6	0	5857	SLV 5	7717	8821	68363	11034	11034	1	Si
142	0.095	7.6	0	-8453	SLV 11	-10313	-8821	-68363	-11034	-11034	1	Si
154	0.095	7.6	0	5774	SLV 5	7635	8821	68363	11034	11034	1	Si
154	0.095	7.6	0	-8536	SLV 11	-10396	-8821	-68363	-11034	-11034	1	Si
158	0.095	7.6	0	5749	SLV 5	7609	8821	68363	11034	11034	1	Si
158	0.095	7.6	0	-8561	SLV 11	-10422	-8821	-68363	-11034	-11034	1	Si
166	0	7.6	0	5691	SLV 5	7552	8821	68363	0	8821	1	Si
166	0	7.6	0	-8619	SLV 11	-10479	-8821	-68363	0	-8821	1	Si
178	0	7.6	0	5609	SLV 5	7469	8821	68363	0	8821	1	Si
178	0	7.6	0	-8701	SLV 11	-10562	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2860	SLD 5	2860	8821	68363	0	8821	1	Si
0	0	7.6	0	-3468	SLD 11	-3468	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	2777	SLD 5	2777	8821	68363	0	8821	1	Si
12	0	7.6	0	-3551	SLD 11	-3551	-8821	-68363	0	-8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
20	0.095	7.6	0	2720	SLD 5	2720	8821	68363	11034	11034	1	Si
20	0.095	7.6	0	-3608	SLD 11	-3608	-8821	-68363	-11034	-11034	1	Si
24	0.095	7.6	0	2694	SLD 5	2694	8821	68363	11034	11034	1	Si
24	0.095	7.6	0	-3634	SLD 11	-3634	-8821	-68363	-11034	-11034	1	Si
36	0.095	7.6	0	2612	SLD 5	2612	8821	68363	11034	11034	1	Si
36	0.095	7.6	0	-3717	SLD 11	-3717	-8821	-68363	-11034	-11034	1	Si
47	0.095	7.6	0	2529	SLD 5	2529	8821	68363	11034	11034	1	Si
47	0.095	7.6	0	-3799	SLD 11	-3799	-8821	-68363	-11034	-11034	1	Si
53	0.095	7.6	0	2487	SLD 5	2487	8821	68363	11034	11034	1	Si
53	0.095	7.6	0	-3841	SLD 11	-3841	-8821	-68363	-11034	-11034	1	Si
65	0.095	7.6	0	2405	SLD 5	2405	8821	68363	11034	11034	1	Si
65	0.095	7.6	0	-3924	SLD 11	-3924	-8821	-68363	-11034	-11034	1	Si
77	0.095	7.6	0	2322	SLD 5	2322	8821	68363	11034	11034	1	Si
77	0.095	7.6	0	-4006	SLD 11	-4006	-8821	-68363	-11034	-11034	1	Si
89	0.095	7.6	0	2239	SLD 5	2239	8821	68363	11034	11034	1	Si
89	0.095	7.6	0	-4089	SLD 11	-4089	-8821	-68363	-11034	-11034	1	Si
101	0.095	7.6	0	2156	SLD 5	2156	8821	68363	11034	11034	1	Si
101	0.095	7.6	0	-4172	SLD 11	-4172	-8821	-68363	-11034	-11034	1	Si
112	0.095	7.6	0	2073	SLD 5	2073	8821	68363	11034	11034	1	Si
112	0.095	7.6	0	-4255	SLD 11	-4255	-8821	-68363	-11034	-11034	1	Si
124	0.095	7.6	0	1990	SLD 5	1990	8821	68363	11034	11034	1	Si
124	0.095	7.6	0	-4338	SLD 11	-4338	-8821	-68363	-11034	-11034	1	Si
136	0.095	7.6	0	1908	SLD 5	1908	8821	68363	11034	11034	1	Si
136	0.095	7.6	0	-4421	SLD 11	-4421	-8821	-68363	-11034	-11034	1	Si
142	0.095	7.6	0	1866	SLD 5	1866	8821	68363	11034	11034	1	Si
142	0.095	7.6	0	-4462	SLD 11	-4462	-8821	-68363	-11034	-11034	1	Si
154	0.095	7.6	0	1783	SLD 5	1783	8821	68363	11034	11034	1	Si
154	0.095	7.6	0	-4545	SLD 11	-4545	-8821	-68363	-11034	-11034	1	Si
158	0.095	7.6	0	1758	SLD 5	1758	8821	68363	11034	11034	1	Si
158	0.095	7.6	0	-4571	SLD 11	-4571	-8821	-68363	-11034	-11034	1	Si
166	0	7.6	0	1700	SLD 5	1700	8821	68363	0	8821	1	Si
166	0	7.6	0	-4628	SLD 11	-4628	-8821	-68363	0	-8821	1	Si
178	0	7.6	0	1618	SLD 5	1618	8821	68363	0	8821	1	Si
178	0	7.6	0	-4711	SLD 11	-4711	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-209819	3	-209819	5.5	124.5	82	1837	-183726	2	-183726	8.2	93.4	0	+∞	Si
12	-213096	3	-213096	5.6	124.5	83.3	1837	-187813	2	-187813	8.4	93.4	0	+∞	Si
20	-215958	3	-229830	6	124.5	89.8	1837	-191234	2	-207095	9.3	93.4	0	+∞	Si
24	-217354	3	-231984	6	124.5	90.7	1837	-192880	2	-209500	9.4	93.4	0	+∞	Si
36	-222591	3	-239630	6.2	124.5	93.7	1837	-198928	2	-217956	9.8	93.4	0	+∞	Si
47	-228809	3	-248256	6.5	124.5	97	1837	-205956	2	-227391	10.2	93.4	0	+∞	Si
53	-232286	3	-252936	6.6	124.5	98.9	1837	-209837	2	-232477	10.4	93.4	0	+∞	Si
65	-239974	3	-263033	6.9	124.5	102.8	1837	-218335	2	-243383	10.9	93.4	0	+∞	Si
77	-248643	3	-274109	7.1	124.5	107.1	1837	-227813	2	-255269	11.5	93.4	0	+∞	Si
89	-258291	3	-286166	7.5	124.5	111.9	1837	-238272	2	-268135	12	93.4	0	+∞	Si
101	-268920	3	-299202	7.8	124.5	116.9	1837	-249710	2	-281982	12.6	93.4	0	+∞	Si
112	-280529	3	-313219	8.2	124.5	122.4	1837	-262129	2	-296809	13.3	93.4	0	+∞	Si
124	-293118	3	-328217	8.6	124.5	128.3	1837	-275528	2	-312616	14	93.4	0	+∞	Si
136	-306688	3	-333768	8.7	124.5	130.5	1837	-289907	2	-318453	14.3	93.4	0	+∞	Si
142	-313840	3	-333768	8.7	124.5	130.5	1837	-297464	2	-318453	14.3	93.4	0	+∞	Si
154	-328880	3	-333768	8.7	124.5	130.5	1837	-313314	2	-318453	14.3	93.4	0	+∞	Si
158	-333768	3	-333768	8.7	124.5	130.5	1837	-318453	2	-318453	14.3	93.4	0	+∞	Si
166	-344899	3	-342464	8.9	124.5	133.9	1837	-330144	2	-327594	14.7	93.4	0	+∞	Si
178	-361900	3	-347148	9	124.5	135.7	1837	-347954	2	-332518	14.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
24	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
36	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.004	1	-0.004	1	9999	Si
47	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
53	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
65	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
77	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	1	-0.007	1	9999	Si
89	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
95	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
101	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
112	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	1	-0.007	1	9999	Si
124	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
136	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
142	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
154	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.004	1	9999	Si
158	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
166	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-444	-9015	-11034	SLV 11	0.42	1061	1.178	-191234	-575889	-962923	SLV 9	0.48	1503	1.358	Si
24	-470	-9015	-11034	SLV 11	0.42	1054	1.174	-191234	-575889	-962923	SLV 9	0.48	1503	1.358	Si
36	-552	-9015	-11034	SLV 11	0.42	1032	1.164	-191234	-575889	-962923	SLV 9	0.48	1503	1.358	Si
47	-635	-9015	-11034	SLV 11	0.42	1011	1.155	-191234	-575889	-962923	SLV 9	0.48	1503	1.358	Si
53	-677	-9015	-11034	SLV 11	0.42	1000	1.149	-193132	-546683	-962923	SLV 9	0.5	1717	1.435	Si
65	-760	-9015	-11034	SLV 11	0.41	979	1.139	-199222	-464216	-962923	SLV 9	0.57	2474	1.666	Si
77	-842	-9015	-11034	SLV 11	0.41	960	1.13	-206292	-382083	-962923	SLV 9	0.57	2474	1.666	Si
89	-925	-9015	-11034	SLV 11	0.41	941	1.121	-214343	-300344	-962923	SLV 9	0.57	2474	1.666	Si
101	-1008	-9015	-11034	SLV 11	0.4	922	1.112	-281982	-256482	-962923	SLV 11	0.57	2474	1.666	Si
112	-1091	-9015	-11034	SLV 11	0.4	904	1.103	-296809	-338635	-962923	SLV 11	0.57	2474	1.666	Si
124	-1174	-9015	-11034	SLV 11	0.4	885	1.093	-312616	-421166	-962923	SLV 11	0.55	2197	1.587	Si
136	-1257	-9015	-11034	SLV 11	0.39	867	1.084	-318453	-450398	-962923	SLV 11	0.51	1792	1.46	Si
142	-1298	-9015	-11034	SLV 11	0.39	858	1.079	-318453	-450398	-962923	SLV 11	0.51	1792	1.46	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
154	-1381	-9015	-11034	SLV 11	0.39	841	1.071	-318453	-450398	-962923	SLV 11	0.51	1792	1.46	Si
158	-1406	-9015	-11034	SLV 11	0.39	835	1.068	-318453	-450398	-962923	SLV 11	0.51	1792	1.46	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-444	-3164	-11034	SLD 11	0.45	1227	3.145	-191234	-254657	-962923	SLD 9	0.41	942	2.822	Si
24	-470	-3164	-11034	SLD 11	0.45	1219	3.137	-191234	-254657	-962923	SLD 9	0.41	942	2.822	Si
36	-552	-3164	-11034	SLD 11	0.44	1194	3.11	-191234	-254657	-962923	SLD 9	0.41	942	2.822	Si
47	-635	-3164	-11034	SLD 11	0.44	1169	3.083	-191234	-254657	-962923	SLD 9	0.41	942	2.822	Si
53	-677	-3164	-11034	SLD 11	0.44	1157	3.07	-193132	-241742	-962923	SLD 9	0.43	1074	2.978	Si
65	-760	-3164	-11034	SLD 11	0.43	1132	3.043	-199222	-205275	-962923	SLD 9	0.49	1625	3.529	Si
77	-842	-3164	-11034	SLD 11	0.43	1108	3.016	-206292	-168954	-962923	SLD 9	0.59	2474	4.193	Si
89	-925	-3164	-11034	SLD 11	0.43	1083	2.988	-214343	-132808	-962923	SLD 9	0.6	2474	4.193	Si
101	-1008	-3164	-11034	SLD 11	0.42	1060	2.962	-281982	-113446	-962923	SLD 11	0.6	2474	4.193	Si
112	-1091	-3164	-11034	SLD 11	0.42	1036	2.934	-296809	-149775	-962923	SLD 11	0.58	2474	4.193	Si
124	-1174	-3164	-11034	SLD 11	0.42	1013	2.908	-312616	-186271	-962923	SLD 11	0.47	1371	3.292	Si
136	-1257	-3164	-11034	SLD 11	0.41	991	2.881	-318453	-199198	-962923	SLD 11	0.43	1122	3.032	Si
142	-1298	-3164	-11034	SLD 11	0.41	979	2.867	-318453	-199198	-962923	SLD 11	0.43	1122	3.032	Si
154	-1381	-3164	-11034	SLD 11	0.41	958	2.842	-318453	-199198	-962923	SLD 11	0.43	1122	3.032	Si
158	-1406	-3164	-11034	SLD 11	0.41	953	2.836	-318453	-199198	-962923	SLD 11	0.43	1122	3.032	Si

Campata 3 tra i fili 28 - ?, sezione R 40x70, asta 1132

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-328778	SLU 30	-258622	-962923	0.078	Si
5	7.6	5.4	7.6	5.4						-293812	SLU 30	-254351	-962923	0.078	Si
10	7.6	5.4	7.6	5.4						-259074	SLU 30	-241537	-962923	0.078	Si
15	7.6	5.4	7.6	5.4						-224563	SLU 30	-220490	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	-79232	SLU 15	76259	962923	0.078	-193336	SLU 21	-193336	-962923	0.078	Si
23	7.6	5.4	7.6	5.4	-65667	SLU 17	89366	962923	0.078	-178742	SLU 20	-193336	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	-38578	SLU 17	116941	962923	0.078	-149836	SLU 20	-193336	-962923	0.078	Si
33	7.6	5.4	7.6	5.4	-11664	SLU 17	137895	962923	0.078	-121158	SLU 20	-193336	-962923	0.078	Si
38	7.6	5.4	7.6	5.4	15074	SLU 17	137895	962923	0.078	-92708	SLU 20	-193336	-962923	0.078	Si
43	7.6	5.4	7.6	5.4	41638	SLU 17	137895	962923	0.078	-64485	SLU 20	-193336	-962923	0.078	Si
48	7.6	5.4	7.6	5.4	68027	SLU 17	137895	962923	0.078	-36490	SLU 20	-193336	-962923	0.078	Si
53	7.6	5.4	7.6	5.4	94241	SLU 17	137895	962923	0.078	-8722	SLU 20	-173347	-962923	0.078	Si
58	7.6	5.4	7.6	5.4	122643	SLU 35	137895	962923	0.078	16456	SLU 2	-144484	-962923	0.078	Si
60	7.6	5.4	7.6	5.4	137895	SLU 35	137895	962923	0.078	27850	SLU 2	-130133	-962923	0.078	Si
65	7.6	5.4	7.6	5.4	168215	SLU 35	163257	962923	0.078						Si
70	7.6	5.4	7.6	5.4	198312	SLU 35	178477	962923	0.078						Si
75	7.6	5.4	7.6	5.4	228182	SLU 35	183550	962923	0.078						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	363981	SLV 7	338177	962923	0.078	-804553	SLV 9	-685210	-962923	0.078	Si
5	7.6	5.4	7.6	5.4	350814	SLV 7	336438	962923	0.078	-744790	SLV 9	-677800	-962923	0.078	Si
10	7.6	5.4	7.6	5.4	337487	SLV 7	331223	962923	0.078	-685216	SLV 9	-655569	-962923	0.078	Si
15	7.6	5.4	7.6	5.4	324001	SLV 7	322530	962923	0.078	-625833	SLV 9	-618518	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	310362	SLV 7	310362	962923	0.078	-566657	SLV 9	-566657	-962923	0.078	Si
23	7.6	5.4	7.6	5.4	303482	SLV 7	310362	962923	0.078	-537126	SLV 9	-566657	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	289617	SLV 7	310362	962923	0.078	-478240	SLV 9	-566657	-962923	0.078	Si
33	7.6	5.4	7.6	5.4	275611	SLV 7	310362	962923	0.078	-419562	SLV 9	-566657	-962923	0.078	Si
38	7.6	5.4	7.6	5.4	261472	SLV 7	310362	962923	0.078	-361102	SLV 9	-566657	-962923	0.078	Si
43	7.6	5.4	7.6	5.4	247215	SLV 7	310362	962923	0.078	-302874	SLV 9	-566657	-962923	0.078	Si
48	7.6	5.4	7.6	5.4	232860	SLV 7	310362	962923	0.078	-244897	SLV 9	-566657	-962923	0.078	Si
53	7.6	5.4	7.6	5.4	218441	SLV 7	300906	962923	0.078	-187208	SLV 9	-526148	-962923	0.078	Si
58	7.6	5.4	7.6	5.4	204025	SLV 7	287014	962923	0.078	-129871	SLV 9	-467300	-962923	0.078	Si
60	7.6	5.4	7.6	5.4	196853	SLV 7	280014	962923	0.078	-101363	SLV 9	-437946	-962923	0.078	Si
65	7.6	5.4	7.6	5.4	182760	SLV 7	182760	962923	0.078	-44880	SLV 9	-44880	-962923	0.078	Si
70	7.6	5.4	7.6	5.4	180253	SLV 3	174510	962923	0.078	-327	SLV 13	-327	-962923	0.078	Si
75	7.6	5.4	7.6	5.4	187302	SLV 3	175115	962923	0.078						Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	37805	SLD 7	37805	962923	0.078	-478377	SLD 9	-399529	-962923	0.078	Si
5	7.6	5.4	7.6	5.4	44986	SLD 7	44986	962923	0.078	-438962	SLD 9	-394671	-962923	0.078	Si
10	7.6	5.4	7.6	5.4	51999	SLD 7	51999	962923	0.078	-399728	SLD 9	-380099	-962923	0.078	Si
15	7.6	5.4	7.6	5.4	58843	SLD 7	58843	962923	0.078	-360676	SLD 9	-355811	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	65520	SLD 7	101201	962923	0.078	-321815	SLD 9	-321815	-962923	0.078	Si
23	7.6	5.4	7.6	5.4	68799	SLD 7	104046	962923	0.078	-302443	SLD 9	-321815	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	75231	SLD 7	109659	962923	0.078	-263854	SLD 9	-321815	-962923	0.078	Si
33	7.6	5.4	7.6	5.4	81503	SLD 7	113475	962923	0.078	-225455	SLD 9	-321815	-962923	0.078	Si
38	7.6	5.4	7.6	5.4	87619	SLD 7	113475	962923	0.078	-187249	SLD 9	-321815	-962923	0.078	Si
43	7.6	5.4	7.6	5.4	93583	SLD 7	113475	962923	0.078	-149242	SLD 9	-321815	-962923	0.078	Si
48	7.6	5.4	7.6	5.4	99406	SLD 7	113475	962923	0.078	-111443	SLD 9	-321815	-962923	0.078	Si
53	7.6	5.4	7.6	5.4	105101	SLD 7	113475	962923	0.078	-73868	SLD 9	-295246	-962923	0.078	Si
58	7.6	5.4	7.6	5.4	110697	SLD 7	113475	962923	0.078	-36543	SLD 9	-256692	-962923	0.078	Si
60	7.6	5.4	7.6	5.4	113475	SLD 7	113475	962923	0.078	-17985	SLD 9	-237481	-962923	0.078	Si
65	7.6	5.4	7.6	5.4	119056	SLD 7	117735	962923	0.078						Si
70	7.6	5.4	7.6	5.4	129839	SLD 3	120291	962923	0.078						Si
75	7.6	5.4	7.6	5.4	144566	SLD 3	121842	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	7181	SLU 36	7181	8821	68363	0	8821	1	Si
5	0	7.6	0	7136	SLU 36	7136	8821	68363	0	8821	1	Si
10	0	7.6	0	7090	SLU 36	7090	8821	68363	0	8821	1	Si
15	0	7.6	0	7045	SLU 36	7045	8821	68363	0	8821	1	Si
20	0.126	7.6	0	6999	SLU 36	6999	8821	68363	14587	14587	1	Si
23	0.126	7.6	0	6976	SLU 36	6976	8821	68363	14587	14587	1	Si
28	0.126	7.6	0	6931	SLU 36	6931	8821	68363	14587	14587	1	Si
33	0.126	7.6	0	6885	SLU 36	6885	8821	68363	14587	14587	1	Si
38	0.126	7.6	0	6840	SLU 36	6840	8821	68363	14587	14587	1	Si
43	0.126	7.6	0	6794	SLU 36	6794	8821	68363	14587	14587	1	Si
48	0.126	7.6	0	6749	SLU 36	6749	8821	68363	14587	14587	1	Si
53	0.126	7.6	0	6703	SLU 36	6703	8821	68363	14587	14587	1	Si
58	0.126	7.6	0	6658	SLU 36	6658	8821	68363	14587	14587	1	Si
60	0.126	7.6	0	6635	SLU 36	6635	8821	68363	14587	14587	1	Si
65	0	7.6	0	6589	SLU 36	6589	8821	68363	0	8821	1	Si
70	0	7.6	0	6544	SLU 36	6544	8821	68363	0	8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
75	0	7.6	0	6498	SLU 36	6498	8821	68363	0	8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	11995	SLV 9	13898	8821	68363	0	8821	1	Si
0	0	7.6	0	-2641	SLV 7	-4544	-8821	-68363	0	-8821	1	Si
5	0	7.6	0	11960	SLV 9	13863	8821	68363	0	8821	1	Si
5	0	7.6	0	-2676	SLV 7	-4579	-8821	-68363	0	-8821	1	Si
10	0	7.6	0	11925	SLV 9	13828	8821	68363	0	8821	1	Si
10	0	7.6	0	-2711	SLV 7	-4614	-8821	-68363	0	-8821	1	Si
15	0	7.6	0	11890	SLV 9	13793	8821	68363	0	8821	1	Si
15	0	7.6	0	-2746	SLV 7	-4649	-8821	-68363	0	-8821	1	Si
20	0.126	7.6	0	11855	SLV 9	13758	8821	68363	14587	14587	1	Si
20	0.126	7.6	0	-2781	SLV 7	-4684	-8821	-68363	-14587	-14587	1	Si
23	0.126	7.6	0	11838	SLV 9	13741	8821	68363	14587	14587	1	Si
23	0.126	7.6	0	-2799	SLV 7	-4702	-8821	-68363	-14587	-14587	1	Si
28	0.126	7.6	0	11803	SLV 9	13706	8821	68363	14587	14587	1	Si
28	0.126	7.6	0	-2834	SLV 7	-4737	-8821	-68363	-14587	-14587	1	Si
33	0.126	7.6	0	11768	SLV 9	13671	8821	68363	14587	14587	1	Si
33	0.126	7.6	0	-2869	SLV 7	-4772	-8821	-68363	-14587	-14587	1	Si
38	0.126	7.6	0	11733	SLV 9	13636	8821	68363	14587	14587	1	Si
38	0.126	7.6	0	-2904	SLV 7	-4807	-8821	-68363	-14587	-14587	1	Si
43	0.126	7.6	0	11698	SLV 9	13601	8821	68363	14587	14587	1	Si
43	0.126	7.6	0	-2939	SLV 7	-4842	-8821	-68363	-14587	-14587	1	Si
48	0.126	7.6	0	11663	SLV 9	13566	8821	68363	14587	14587	1	Si
48	0.126	7.6	0	-2974	SLV 7	-4877	-8821	-68363	-14587	-14587	1	Si
53	0.126	7.6	0	11628	SLV 9	13531	8821	68363	14587	14587	1	Si
53	0.126	7.6	0	-3009	SLV 7	-4912	-8821	-68363	-14587	-14587	1	Si
58	0.126	7.6	0	11593	SLV 9	13496	8821	68363	14587	14587	1	Si
58	0.126	7.6	0	-3044	SLV 7	-4947	-8821	-68363	-14587	-14587	1	Si
60	0.126	7.6	0	11575	SLV 9	13478	8821	68363	14587	14587	1	Si
60	0.126	7.6	0	-3061	SLV 7	-4964	-8821	-68363	-14587	-14587	1	Si
65	0	7.6	0	11540	SLV 9	13443	8821	68363	0	8821	1	Si
65	0	7.6	0	-3096	SLV 7	-4999	-8821	-68363	0	-8821	1	Si
70	0	7.6	0	11505	SLV 9	13408	8821	68363	0	8821	1	Si
70	0	7.6	0	-3131	SLV 7	-5034	-8821	-68363	0	-8821	1	Si
75	0	7.6	0	11470	SLV 9	13373	8821	68363	0	8821	1	Si
75	0	7.6	0	-3166	SLV 7	-5069	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	7911	SLD 9	7911	8821	68363	0	8821	1	Si
5	0	7.6	0	7876	SLD 9	7876	8821	68363	0	8821	1	Si
10	0	7.6	0	7841	SLD 9	7841	8821	68363	0	8821	1	Si
15	0	7.6	0	7806	SLD 9	7806	8821	68363	0	8821	1	Si
20	0.126	7.6	0	7771	SLD 9	7771	8821	68363	14587	14587	1	Si
23	0.126	7.6	0	7754	SLD 9	7754	8821	68363	14587	14587	1	Si
28	0.126	7.6	0	7719	SLD 9	7719	8821	68363	14587	14587	1	Si
33	0.126	7.6	0	7684	SLD 9	7684	8821	68363	14587	14587	1	Si
38	0.126	7.6	0	7649	SLD 9	7649	8821	68363	14587	14587	1	Si
43	0.126	7.6	0	7614	SLD 9	7614	8821	68363	14587	14587	1	Si
48	0.126	7.6	0	7579	SLD 9	7579	8821	68363	14587	14587	1	Si
53	0.126	7.6	0	7544	SLD 9	7544	8821	68363	14587	14587	1	Si
58	0.126	7.6	0	7509	SLD 9	7509	8821	68363	14587	14587	1	Si
60	0.126	7.6	0	7491	SLD 9	7491	8821	68363	14587	14587	1	Si
65	0	7.6	0	7456	SLD 9	7456	8821	68363	0	8821	1	Si
70	0	7.6	0	7421	SLD 9	7421	8821	68363	0	8821	1	Si
75	0	7.6	0	7386	SLD 9	7386	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-243194	3	-191798	5	124.5	75	1837	-220286	2	-173517	7.8	93.4	0	+∞	Si
5	-217582	3	-188672	4.9	124.5	73.7	1837	-196988	2	-170681	7.7	93.4	0	+∞	Si
10	-192145	3	-179297	4.7	124.5	70.1	1837	-173864	2	-162173	7.3	93.4	0	+∞	Si
15	-166883	3	-163672	4.3	124.5	64	1837	-150916	2	-147994	6.6	93.4	0	+∞	Si
20	-141801	3	-141801	3.7	124.5	55.4	1837	-128147	2	-128147	5.7	93.4	0	+∞	Si
23	-129920	2	-141801	3.7	124.5	55.4	1837	-116822	2	-128147	5.7	93.4	0	+∞	Si
28	-106367	2	-141801	3.7	124.5	55.4	1837	-94311	2	-128147	5.7	93.4	0	+∞	Si
33	-82988	2	-141801	3.7	124.5	55.4	1837	-71976	2	-128147	5.7	93.4	0	+∞	Si
38	-59784	2	-141801	3.7	124.5	55.4	1837	-49815	2	-128147	5.7	93.4	0	+∞	Si
43	14785	8	94000	2.4	124.5	36.7	1837								Si
43	-36755	2	-141801	3.7	124.5	55.4	1837	-27830	2	-128147	5.7	93.4	0	+∞	Si
48	37636	8	94000	2.4	124.5	36.7	1837	5805	1	55658	2.5	93.4	0	+∞	Si
48	-13902	2	-141801	3.7	124.5	55.4	1837	-6019	2	-128147	5.7	93.4	0	+∞	Si
53	60311	8	94000	2.4	124.5	36.7	1837	25876	1	55658	2.5	93.4	0	+∞	Si
58	82812	8	94000	2.4	124.5	36.7	1837	45772	1	55658	2.5	93.4	0	+∞	Si
60	94000	8	94000	2.4	124.5	36.7	1837	55658	1	55658	2.5	93.4	0	+∞	Si
65	116235	8	112602	2.9	124.5	44	1837	75288	1	72090	3.2	93.4	0	+∞	Si
70	138298	8	123765	3.2	124.5	48.4	1837	94747	1	81950	3.7	93.4	0	+∞	Si
75	160186	8	127487	3.3	124.5	49.8	1837	114030	1	85237	3.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
5	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
10	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
15	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
25	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
28	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
33	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
38	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
43	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
48	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
53	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
58	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
60	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
65	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
70	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	4537	9221	14587	SLV 9	0.4	878	1.09	-128147	-438510	-962923	SLV 9	0.57	2474	1.666	Si
23	4519	9221	14587	SLV 9	0.4	881	1.091	-128147	-438510	-962923	SLV 9	0.57	2474	1.666	Si
28	4484	9221	14587	SLV 9	0.4	889	1.095	-128147	-438510	-962923	SLV 9	0.57	2474	1.666	Si
33	4449	9221	14587	SLV 9	0.4	897	1.099	-128147	-438510	-962923	SLV 9	0.57	2474	1.666	Si
38	4414	9221	14587	SLV 9	0.4	904	1.103	-128147	-438510	-962923	SLV 9	0.57	2474	1.666	Si
43	4379	9221	14587	SLV 9	0.4	912	1.107	-128147	-438510	-962923	SLV 9	0.57	2474	1.666	Si
48	4344	9221	14587	SLV 9	0.4	919	1.11	-128147	-438510	-962923	SLV 9	0.57	2474	1.666	Si
53	4309	9221	14587	SLV 9	0.4	927	1.114	-112621	-413527	-962923	SLV 9	0.57	2474	1.666	Si
58	4274	9221	14587	SLV 9	0.41	935	1.118	-90143	-377157	-962923	SLV 9	0.57	2474	1.666	Si
60	4257	9221	14587	SLV 9	0.41	939	1.12	47745	149108	962923	SLV 7	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	4537	3234	14587	SLD 9	0.42	1006	2.899	-128147	-193668	-962923	SLD 9	0.57	2409	4.147	Si
23	4519	3234	14587	SLD 9	0.42	1010	2.904	-128147	-193668	-962923	SLD 9	0.57	2409	4.147	Si
28	4484	3234	14587	SLD 9	0.42	1020	2.916	-128147	-193668	-962923	SLD 9	0.57	2409	4.147	Si
33	4449	3234	14587	SLD 9	0.42	1029	2.926	-128147	-193668	-962923	SLD 9	0.57	2409	4.147	Si
38	4414	3234	14587	SLD 9	0.42	1039	2.938	-128147	-193668	-962923	SLD 9	0.57	2409	4.147	Si
43	4379	3234	14587	SLD 9	0.42	1049	2.949	-128147	-193668	-962923	SLD 9	0.57	2409	4.147	Si
48	4344	3234	14587	SLD 9	0.42	1058	2.96	-128147	-193668	-962923	SLD 9	0.57	2409	4.147	Si
53	4309	3234	14587	SLD 9	0.43	1068	2.971	-112621	-182625	-962923	SLD 9	0.6	2474	4.193	Si
58	4274	3234	14587	SLD 9	0.43	1078	2.983	-90143	-166550	-962923	SLD 9	0.6	2474	4.193	Si
60	4257	3234	14587	SLD 9	0.43	1083	2.988	47745	65730	962923	SLD 7	0.6	2474	4.193	Si

Campata 4 tra i fili ? - 22, sezione R 40x70, asta 1133

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	234544	SLU 35	200067	962923	0.078						Si
13	7.6	5.4	7.6	5.4	175659	SLU 35	174783	962923	0.078						Si
15	7.6	5.4	7.6	5.4	165143	SLU 36	165143	962923	0.078	62290	SLU 1	-49719	-962923	0.078	Si
25	7.6	5.4	7.6	5.4	124129	SLU 18	165143	962923	0.078	27613	SLU 19	-93764	-962923	0.078	Si
38	7.6	5.4	7.6	5.4	80829	SLU 18	165143	962923	0.078	-24309	SLU 19	-149037	-962923	0.078	Si
44	7.6	5.4	7.6	5.4	58758	SLU 18	164043	962923	0.078	-50817	SLU 19	-177221	-962923	0.078	Si
57	7.6	5.4	7.6	5.4	13773	SLU 18	115312	962923	0.078	-104930	SLU 19	-234684	-962923	0.078	Si
70	12.5	5.4	7.6	5.4	-32334	SLU 18	71782	963465	0.08	-160502	SLU 19	-293607	-1545218	0.089	Si
82	14.3	5.4	7.6	5.4	-72716	SLU 12	27129	963583	0.08	-217534	SLU 19	-358982	-1757671	0.093	Si
95	16.09	5.4	7.6	5.4						-276027	SLU 19	-427230	-1969939	0.098	Si
108	17.88	5.4	7.6	5.4						-339150	SLU 24	-498868	-2181874	0.104	Si
120	19.01	5.4	9.52	5.4						-406732	SLU 24	-571967	-2315300	0.103	Si
133	19.01	5.4	10.37	5.4						-477536	SLU 26	-634226	-2315287	0.102	Si
146	19.01	5.4	11.22	5.4						-550204	SLU 26	-634226	-2315267	0.1	Si
152	19.01	5.4	11.4	5.4						-587085	SLU 26	-634226	-2315219	0.1	Si
160	19.01	5.4	11.4	5.4						-634226	SLU 26	-634226	-2315219	0.1	Si
165	19.01	5.4	11.4	5.4						-661943	SLU 26	-659729	-2315219	0.1	Si
177	19.01	5.4	11.4	5.4						-738261	SLU 26	-707259	-2315219	0.1	Si
190	19.01	5.4	11.4	5.4						-816039	SLU 26	-723103	-2315219	0.1	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	194782	SLV 3	161641	962923	0.078						Si
13	7.6	5.4	7.6	5.4	177615	SLV 5	177371	962923	0.078	-19154	SLV 11	-19154	-962923	0.078	Si
15	7.6	5.4	7.6	5.4	191049	SLV 5	363443	962923	0.078	-45640	SLV 11	-386164	-962923	0.078	Si
25	7.6	5.4	7.6	5.4	251539	SLV 5	425002	962923	0.078	-164490	SLV 11	-510410	-962923	0.078	Si
38	7.6	5.4	7.6	5.4	327166	SLV 5	499966	962923	0.078	-313776	SLV 11	-664188	-962923	0.078	Si
44	7.6	5.4	7.6	5.4	365011	SLV 5	537179	962923	0.078	-389294	SLV 11	-741651	-962923	0.078	Si
57	7.6	5.4	7.6	5.4	440436	SLV 5	610981	962923	0.078	-541747	SLV 11	-897636	-962923	0.078	Si
63	7.6	5.4	7.6	5.4	477939	SLV 5	647547	962923	0.078	-618606	SLV 11	-976136	-962923	0.078	No
70	12.5	5.4	7.6	5.4	515267	SLV 5	683876	963465	0.08	-695852	SLV 11	-1054961	-1545218	0.089	Si
82	14.3	5.4	7.6	5.4	589324	SLV 5	755802	963583	0.08	-851430	SLV 11	-1213562	-1757671	0.093	Si
95	16.09	5.4	7.6	5.4	662497	SLV 5	826716	963677	0.081	-1008369	SLV 11	-1373398	-1969939	0.098	Si
108	17.88	5.4	7.6	5.4	734715	SLV 5	896591	963753	0.081	-1166600	SLV 11	-1534440	-2181874	0.104	Si
120	19.01	5.4	9.52	5.4	805931	SLV 5	965407	1190636	0.083	-1326076	SLV 11	-1696670	-2315300	0.103	Si
133	19.01	5.4	10.37	5.4	876116	SLV 5	1022153	1291691	0.084	-1486766	SLV 11	-1833269	-2315287	0.102	Si
146	19.01	5.4	11.22	5.4	945246	SLV 5	1022153	1392752	0.085	-1648647	SLV 11	-1833269	-2315267	0.1	Si
152	19.01	5.4	11.4	5.4	979411	SLV 5	1022153	1414222	0.085	-1730030	SLV 11	-1833269	-2315219	0.1	Si
160	19.01	5.4	11.4	5.4	1022153	SLV 5	1022153	1414222	0.085	-1833269	SLV 11	-1833269	-2315219	0.1	Si
165	19.01	5.4	11.4	5.4	1046933	SLV 5	1045140	1414222	0.085	-1893673	SLV 11	-1889018	-2315219	0.1	Si
177	19.01	5.4	11.4	5.4	1113370	SLV 5	1087982	1414222	0.085	-2058476	SLV 11	-1992923	-2315219	0.1	Si
190	19.01	5.4	11.4	5.4	1178714	SLV 5	1102263	1414222	0.085	-2224433	SLV 11	-2027557	-2315219	0.1	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	149564	SLD 3	123736	962923	0.078						Si
13	7.6	5.4	7.6	5.4	122751	SLD 5	122367	962923	0.078						Si
15	7.6	5.4	7.6	5.4	125064	SLD 5	154450	962923	0.078	20344	SLD 11	-177171	-962923	0.078	Si
25	7.6	5.4	7.6	5.4	135573	SLD 5	164187	962923	0.078	-48525	SLD 11	-249595	-962923	0.078	Si
38	7.6	5.4	7.6	5.4	148479	SLD 5	175352	962923	0.078	-135090	SLD 11	-339574	-962923	0.078	Si
44	7.6	5.4	7.6	5.4	154709	SLD 5	180580	962923	0.078	-178991	SLD 11	-385051	-962923	0.078	Si
57	7.6	5.4	7.6	5.4	166576	SLD 5	190289	962923	0.078	-267887	SLD 11	-476944	-962923	0.078	Si
63	7.6	5.4	7.6	5.4	172182	SLD 5	194761	962923	0.078	-312849	SLD 11	-523350	-962923	0.078	Si
70	12.5	5.4	7.6	5.4	177553	SLD 5	198971	963465	0.08	-358139	SLD 11	-570056	-1545218	0.089	Si
82	14.3	5.4	7.6	5.4	187561	SLD 5	206597	963583	0.08	-449667	SLD 11	-664357	-1757671	0.093	Si
95	16.09	5.4	7.6	5.4	196550	SLD 5	213150	963677	0.081	-542423	SLD 11	-759832	-1969939	0.098	Si
108	17.88	5.4	7.6	5.4	204491	SLD 5	218616	963753	0.081	-636376	SLD 11	-856466	-2181874	0.104	Si
120	19.01	5.4	9.52	5.4	211362	SLD 5	222988	1190636	0.083	-731506	SLD 11	-954251	-2315300	0.103	Si
133	19.01	5.4	10.37	5.4	217150	SLD 5	225805	1291691	0.084	-827799	SLD 11	-1036921	-2315287	0.102	Si
146	19.01	5.4	11.22	5.4	221845	SLD 5	225805	1392752	0.085	-925246	SLD 11	-1036921	-2315267	0.1	Si
152	19.01	5.4	11.4	5.4	223781	SLD 5	225805	1414222	0.085	-974400	SLD 11	-1036921	-2315219	0.1	Si
160	19.01	5.4	11.4	5.4	225805	SLD 5	225805	1414222	0.085	-1036921	SLD 11	-1036921	-2315219	0.1	Si
165	19.01	5.4	11.4	5.4	226825	SLD 5	226825	1414222	0.085	-1073565	SLD 11	-1070708	-2315219	0.1	Si
177	19.01	5.4	11.4	5.4	228763	SLD 5	228741	1414222	0.085	-1173869	SLD 11	-1133681	-2315219	0.1	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
190	19.01	5.4	11.4	5.4	229592	SLD 5	229378	1414222	0.085	-1275311	SLD 11	-1154672	-2315219	0.1	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-4591	SLU 35	-4591	-8821	-68363	0	-8821	1	Si
13	0	7.6	0	-4707	SLU 35	-4707	-8821	-68363	0	-8821	1	Si
15	0.139	7.6	0	-4728	SLU 35	-4728	-8821	-68363	-16098	-16098	1	Si
25	0.139	7.6	0	-4822	SLU 35	-4822	-8821	-68363	-16098	-16098	1	Si
38	0.139	7.6	0	-4937	SLU 35	-4937	-8821	-68363	-16098	-16098	1	Si
44	0.139	7.6	0	-4995	SLU 35	-4995	-8821	-68363	-16098	-16098	1	Si
57	0.139	7.6	0	-5110	SLU 35	-5110	-8821	-68363	-16098	-16098	1	Si
70	0.139	7.6	0	-5225	SLU 35	-5225	-8821	-68363	-16098	-16098	1	Si
82	0.139	7.6	0	-5340	SLU 35	-5340	-8821	-68363	-16098	-16098	1	Si
95	0.139	7.6	0	-5456	SLU 35	-5456	-8821	-68363	-16098	-16098	1	Si
108	0.139	7.6	0	-5571	SLU 35	-5571	-8821	-68363	-16098	-16098	1	Si
120	0.139	7.6	0	-5686	SLU 35	-5686	-8821	-68363	-16098	-16098	1	Si
133	0.139	12.5	0	-5802	SLU 35	-5802	-10412	-68363	-16098	-16098	1	Si
146	0.139	14.3	0	-5917	SLU 35	-5917	-10887	-68363	-16098	-16098	1	Si
152	0.139	15.19	0	-5974	SLU 35	-5974	-11110	-68363	-16098	-16098	1	Si
160	0.139	16.09	0	-6047	SLU 35	-6047	-11324	-68363	-16098	-16098	1	Si
165	0	16.98	0	-6090	SLU 35	-6090	-11530	-68363	0	-11530	1	Si
177	0	18.77	0	-6205	SLU 35	-6205	-11922	-68363	0	-11922	1	Si
190	0	19.01	0	-6320	SLU 35	-6320	-11971	-68363	0	-11971	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	6461	SLV 5	8839	8821	68363	0	8821	1	Si
0	0	7.6	0	-11833	SLV 11	-14211	-8821	-68363	0	-8821	1	Si
13	0	7.6	0	6372	SLV 5	8750	8821	68363	0	8821	1	Si
13	0	7.6	0	-11921	SLV 11	-14299	-8821	-68363	0	-8821	1	Si
15	0.139	7.6	0	6356	SLV 5	8734	8821	68363	16098	16098	1	Si
15	0.139	7.6	0	-11938	SLV 11	-14316	-8821	-68363	-16098	-16098	1	Si
25	0.139	7.6	0	6283	SLV 5	8661	8821	68363	16098	16098	1	Si
25	0.139	7.6	0	-12010	SLV 11	-14388	-8821	-68363	-16098	-16098	1	Si
38	0.139	7.6	0	6195	SLV 5	8573	8821	68363	16098	16098	1	Si
38	0.139	7.6	0	-12099	SLV 11	-14477	-8821	-68363	-16098	-16098	1	Si
44	0.139	7.6	0	6150	SLV 5	8528	8821	68363	16098	16098	1	Si
44	0.139	7.6	0	-12143	SLV 11	-14521	-8821	-68363	-16098	-16098	1	Si
57	0.139	7.6	0	6062	SLV 5	8440	8821	68363	16098	16098	1	Si
57	0.139	7.6	0	-12232	SLV 11	-14610	-8821	-68363	-16098	-16098	1	Si
70	0.139	7.6	0	5973	SLV 5	8351	8821	68363	16098	16098	1	Si
70	0.139	7.6	0	-12320	SLV 11	-14698	-8821	-68363	-16098	-16098	1	Si
82	0.139	7.6	0	5884	SLV 5	8262	8821	68363	16098	16098	1	Si
82	0.139	7.6	0	-12409	SLV 11	-14787	-8821	-68363	-16098	-16098	1	Si
95	0.139	7.6	0	5796	SLV 5	8174	8821	68363	16098	16098	1	Si
95	0.139	7.6	0	-12498	SLV 11	-14876	-8821	-68363	-16098	-16098	1	Si
108	0.139	7.6	0	5707	SLV 5	8085	8821	68363	16098	16098	1	Si
108	0.139	7.6	0	-12586	SLV 11	-14964	-8821	-68363	-16098	-16098	1	Si
120	0.139	7.6	0	5618	SLV 5	7996	8821	68363	16098	16098	1	Si
120	0.139	7.6	0	-12675	SLV 11	-15053	-8821	-68363	-16098	-16098	1	Si
133	0.139	7.6	0	5530	SLV 5	7908	8821	68363	16098	16098	1	Si
133	0.139	12.5	0	-12764	SLV 11	-15142	-10412	-68363	-16098	-16098	1	Si
146	0.139	7.6	0	5441	SLV 5	7819	8821	68363	16098	16098	1	Si
146	0.139	14.3	0	-12852	SLV 11	-15230	-10887	-68363	-16098	-16098	1	Si
152	0.139	7.6	0	5397	SLV 5	7775	8821	68363	16098	16098	1	Si
152	0.139	15.19	0	-12897	SLV 11	-15275	-11110	-68363	-16098	-16098	1	Si
160	0.139	7.6	0	5341	SLV 5	7719	8821	68363	16098	16098	1	Si
160	0.139	16.09	0	-12953	SLV 11	-15331	-11324	-68363	-16098	-16098	1	Si
165	0	7.6	0	5308	SLV 5	7686	8821	68363	0	8821	1	Si
165	0	16.98	0	-12985	SLV 11	-15363	-11530	-68363	0	-11530	1	Si
177	0	9.09	0	5219	SLV 5	7597	9362	68363	0	9362	1	Si
177	0	18.77	0	-13074	SLV 11	-15452	-11922	-68363	0	-11922	1	Si
190	0	9.94	0	5131	SLV 5	7509	9646	68363	0	9646	1	Si
190	0	19.01	0	-13163	SLV 11	-15541	-11971	-68363	0	-11971	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1358	SLD 5	1358	8821	68363	0	8821	1	Si
0	0	7.6	0	-6730	SLD 11	-6730	-8821	-68363	0	-8821	1	Si
13	0	7.6	0	1269	SLD 5	1269	8821	68363	0	8821	1	Si
13	0	7.6	0	-6819	SLD 11	-6819	-8821	-68363	0	-8821	1	Si
15	0.139	7.6	0	1253	SLD 5	1253	8821	68363	16098	16098	1	Si
15	0.139	7.6	0	-6835	SLD 11	-6835	-8821	-68363	-16098	-16098	1	Si
25	0.139	7.6	0	1181	SLD 5	1181	8821	68363	16098	16098	1	Si
25	0.139	7.6	0	-6907	SLD 11	-6907	-8821	-68363	-16098	-16098	1	Si
38	0.139	7.6	0	1092	SLD 5	1092	8821	68363	16098	16098	1	Si
38	0.139	7.6	0	-6996	SLD 11	-6996	-8821	-68363	-16098	-16098	1	Si
44	0.139	7.6	0	1048	SLD 5	1048	8821	68363	16098	16098	1	Si
44	0.139	7.6	0	-7040	SLD 11	-7040	-8821	-68363	-16098	-16098	1	Si
57	0.139	7.6	0	959	SLD 5	959	8821	68363	16098	16098	1	Si
57	0.139	7.6	0	-7129	SLD 11	-7129	-8821	-68363	-16098	-16098	1	Si
70	0.139	7.6	0	870	SLD 5	870	8821	68363	16098	16098	1	Si
70	0.139	7.6	0	-7218	SLD 11	-7218	-8821	-68363	-16098	-16098	1	Si
82	0.139	7.6	0	782	SLD 5	782	8821	68363	16098	16098	1	Si
82	0.139	7.6	0	-7306	SLD 11	-7306	-8821	-68363	-16098	-16098	1	Si
95	0.139	7.6	0	693	SLD 5	693	8821	68363	16098	16098	1	Si
95	0.139	7.6	0	-7395	SLD 11	-7395	-8821	-68363	-16098	-16098	1	Si
108	0.139	7.6	0	605	SLD 5	605	8821	68363	16098	16098	1	Si
108	0.139	7.6	0	-7484	SLD 11	-7484	-8821	-68363	-16098	-16098	1	Si
120	0.139	7.6	0	516	SLD 5	516	8821	68363	16098	16098	1	Si
120	0.139	7.6	0	-7572	SLD 11	-7572	-8821	-68363	-16098	-16098	1	Si
133	0.139	7.6	0	427	SLD 5	427	8821	68363	16098	16098	1	Si
133	0.139	12.5	0	-7661	SLD 11	-7661	-10412	-68363	-16098	-16098	1	Si
146	0.139	7.6	0	339	SLD 5	339	8821	68363	16098	16098	1	Si
146	0.139	14.3	0	-7750	SLD 11	-7750	-10887	-68363	-16098	-16098	1	Si
152	0.139	7.6	0	294	SLD 5	294	8821	68363	16098	16098	1	Si
152	0.139	15.19	0	-7794	SLD 11	-7794	-11110	-68363	-16098	-16098	1	Si
160	0.139	7.6	0	238	SLD 5	238	8821	68363	16098	16098	1	Si
160	0.139	16.09	0	-7850	SLD 11	-7850	-11324	-68363	-16098	-16098	1	Si
165	0	7.6	0	206	SLD 5	206	8821	68363	0	8821	1	Si
165	0	16.98	0	-7883	SLD 11	-7883	-11530	-68363	0	-11530	1	Si
177	0	9.09	0	117	SLD 5	117	9362	68363	0	9362	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
177	0	18.77	0	-7971	SLD 11	-7971	-11922	-68363	0	-11922	1	Si
190	0	9.94	0	28	SLD 5	28	9646	68363	0	9646	1	Si
190	0	19.01	0	-8060	SLD 11	-8060	-11971	-68363	0	-11971	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	165034	8	139221	3.6	124.5	54.4	1837	118199	1	95677	4.3	93.4	0	+∞	Si
13	120933	8	120277	3.1	124.5	47	1837	79655	1	79078	3.5	93.4	0	+∞	Si
15	113009	9	113009	2.9	124.5	44.2	1837	72704	2	72704	3.3	93.4	0	+∞	Si
25	79834	9	113009	2.9	124.5	44.2	1837	43524	2	72704	3.3	93.4	0	+∞	Si
38	38108	9	113009	2.9	124.5	44.2	1837	6695	2	72704	3.3	93.4	0	+∞	Si
38	-802	1	-98698	2.6	124.5	38.6	1837	-802	1	-98698	4.4	93.4	0	+∞	Si
44	16823	9	112173	2.9	124.5	43.8	1837								Si
44	-21618	1	-120803	3.1	124.5	47.2	1837	-21618	1	-120803	5.4	93.4	0	+∞	Si
57	-64093	1	-165855	4.3	124.5	64.8	1837	-64093	1	-165855	7.4	93.4	0	+∞	Si
70	-107691	1	-212030	7.9	124.5	289.9	1837	-107691	1	-212030	7.9	93.4	0	+∞	Si
82	-152412	1	-262656	9.4	124.5	315.8	1837	-152412	1	-259329	9.3	93.4	0	+∞	Si
95	-198256	1	-315348	10.8	124.5	338.6	1837	-198256	1	-307750	10.6	93.4	0	+∞	Si
108	-247337	6	-370449	12.3	124.5	359.6	1837	-245223	1	-357295	11.8	93.4	0	+∞	Si
120	-299540	6	-426674	13.5	124.5	389.6	1837	-293313	1	-407962	12.9	93.4	0	+∞	Si
133	-354041	8	-474561	14.8	124.5	432.7	1837	-342526	1	-451201	14.1	93.4	0	+∞	Si
146	-409935	8	-474561	14.6	124.5	432.2	1837	-392862	1	-451201	13.9	93.4	0	+∞	Si
152	-438302	8	-474561	14.6	124.5	432.1	1837	-418452	1	-451201	13.9	93.4	0	+∞	Si
160	-474561	8	-474561	14.6	124.5	432.1	1837	-451201	1	-451201	13.9	93.4	0	+∞	Si
165	-495880	8	-494177	15.2	124.5	450	1837	-470472	1	-468928	14.4	93.4	0	+∞	Si
177	-554581	8	-530736	16.3	124.5	483.3	1837	-523616	1	-501968	15.4	93.4	0	+∞	Si
190	-614406	8	-542922	16.7	124.5	494.4	1837	-577883	1	-512981	15.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
13	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
15	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
25	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	2	-0.002	2	9999	Si
38	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
44	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
57	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	2	-0.004	2	9999	Si
70	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si
82	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
95	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	2	-0.006	2	9999	Si
108	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	2	-0.006	2	9999	Si
114	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	2	-0.006	2	9999	Si
120	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	2	-0.006	2	9999	Si
133	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	2	-0.006	2	9999	Si
146	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	2	-0.005	2	9999	Si
152	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si
160	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
165	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	2	-0.004	2	9999	Si
177	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	-2791	-11525	-16098	SLV 11	0.42	1014	1.156	72704	118345	962923	SLV 5	0.57	2474	1.666	Si
25	-2863	-11525	-16098	SLV 11	0.42	999	1.149	-42704	-467706	-962923	SLV 11	0.57	2474	1.666	Si
38	-2952	-11525	-16098	SLV 11	0.41	981	1.14	-82111	-582077	-962923	SLV 11	0.54	2081	1.552	Si
44	-2996	-11525	-16098	SLV 11	0.41	973	1.137	-102236	-639415	-962923	SLV 11	0.48	1522	1.365	Si
57	-3085	-11525	-16098	SLV 11	0.41	957	1.129	-143327	-754309	-962923	SLV 11	0.39	871	1.086	Si
70	-3174	-11525	-16098	SLV 11	0.41	941	1.121	-185542	869419	963465	SLV 5	0.47	1449	1.338	Si
82	-3262	-11525	-16098	SLV 11	0.4	925	1.113	-228880	984682	963583	SLV 5	0.44	1150	1.217	Si
95	-3351	-11525	-16098	SLV 11	0.4	910	1.106	-273341	1100057	963677	SLV 5	0.41	947	1.124	Si
108	-3440	-11525	-16098	SLV 11	0.4	894	1.098	-318925	1215516	963753	SLV 5	0.38	811	1.055	Si
120	-3528	-11525	-16098	SLV 11	0.4	879	1.09	-365632	1331039	1190636	SLV 5	0.42	1048	1.172	Si
133	-3617	-11525	-16098	SLV 11	0.39	864	1.083	-405558	1427711	1291691	SLV 5	0.43	1095	1.193	Si
146	-3706	-11525	-16098	SLV 11	0.39	849	1.075	-405558	1427711	1392752	SLV 5	0.45	1276	1.27	Si
152	-3750	-11525	-16098	SLV 11	0.39	842	1.071	-405558	1427711	1414222	SLV 5	0.46	1317	1.287	Si
160	-3806	-11525	-16098	SLV 11	0.39	833	1.066	-405558	1427711	1414222	SLV 5	0.46	1317	1.287	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	-2791	-4044	-16098	SLD 11	0.44	1173	3.088	72704	52360	962923	SLD 5	0.6	2474	4.193	Si
25	-2863	-4044	-16098	SLD 11	0.44	1155	3.068	-42704	-206891	-962923	SLD 11	0.58	2474	4.193	Si
38	-2952	-4044	-16098	SLD 11	0.44	1136	3.047	-82111	-257463	-962923	SLD 11	0.46	1300	3.221	Si
44	-2996	-4044	-16098	SLD 11	0.43	1125	3.035	-102236	-282815	-962923	SLD 11	0.41	953	2.836	Si
57	-3085	-4044	-16098	SLD 11	0.43	1105	3.013	-143327	-333617	-962923	SLD 11	0.33	566	2.29	Si
70	-3174	-4044	-16098	SLD 11	0.43	1085	2.991	-185542	384513	963465	SLD 5	0.4	910	2.782	Si
82	-3262	-4044	-16098	SLD 11	0.43	1064	2.967	-228880	435477	963583	SLD 5	0.37	736	2.551	Si
95	-3351	-4044	-16098	SLD 11	0.42	1045	2.945	-273341	486491	963677	SLD 5	0.34	615	2.37	Si
108	-3440	-4044	-16098	SLD 11	0.42	1025	2.922	-318925	537541	963753	SLD 5	0.32	527	2.224	Si
120	-3528	-4044	-16098	SLD 11	0.42	1006	2.899	-365632	588619	1190636	SLD 5	0.36	676	2.463	Si
133	-3617	-4044	-16098	SLD 11	0.41	987	2.877	-405558	631363	1291691	SLD 5	0.36	703	2.503	Si
146	-3706	-4044	-16098	SLD 11	0.41	968	2.854	-405558	631363	1392752	SLD 5	0.38	810	2.653	Si
152	-3750	-4044	-16098	SLD 11	0.41	960	2.844	-405558	631363	1414222	SLD 5	0.39	834	2.685	Si
160	-3806	-4044	-16098	SLD 11	0.41	949	2.831	-405558	631363	1414222	SLD 5	0.39	834	2.685	Si

Campata 5 tra i fili 22 - 11, sezione R 40x70, asta 1134

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-838905	SLU 26	-756703	-2315219	0.1	Si
22	19.01	5.4	11.4	5.4						-722168	SLU 26	-715912	-2315219	0.1	Si
30	19.01	5.4	11.4	5.4						-678501	SLU 26	-678501	-2315219	0.1	Si
43	19.01	5.4	11.29	5.4						-609702	SLU 26	-678501	-2315261	0.1	Si
65	17.21	5.4	9.83	5.4						-501508	SLU 26	-647765	-2102610	0.098	Si
87	14.15	5.4	7.6	5.4						-397585	SLU 26	-538112	-1739867	0.093	Si
97	12.61	5.4	7.6	5.4						-347226	SLU 26	-484887	-1558143	0.089	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
108	7.6	5.4	7.6	5.4						-297935	SLU 26	-432730	-962923	0.078	Si
119	7.6	5.4	7.6	5.4						-250221	SLU 24	-381641	-962923	0.078	Si
141	7.6	5.4	7.6	5.4						-158702	SLU 24	-282667	-962923	0.078	Si
162	7.6	5.4	7.6	5.4	-18720	SLU 12	55440	962923	0.078	-71634	SLU 19	-189608	-962923	0.078	Si
184	7.6	5.4	7.6	5.4	31930	SLU 32	127626	962923	0.078	8013	SLU 1	-100901	-962923	0.078	Si
206	7.6	5.4	7.6	5.4	102458	SLU 31	198979	962923	0.078	61699	SLU 2	-18567	-962923	0.078	Si
227	7.6	5.4	7.6	5.4	175048	SLU 31	269129	962923	0.078						Si
249	7.6	5.4	9.81	5.4	245662	SLU 26	335280	1225656	0.083						Si
260	7.6	5.4	10.54	5.4	280001	SLU 26	366753	1312309	0.084						Si
282	7.6	5.4	11.4	5.4	345476	SLU 26	383550	1414576	0.086						Si
295	7.6	5.4	11.4	5.4	383550	SLU 26	383550	1414576	0.086						Si
303	7.6	5.4	11.4	5.4	406679	SLU 26	403657	1414576	0.086						Si
325	7.6	5.4	11.4	5.4	463609	SLU 26	425580	1414576	0.086						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-1095785	SLV 9	-973899	-2315219	0.1	Si
22	19.01	5.4	11.4	5.4						-917358	SLV 9	-909369	-2315219	0.1	Si
30	19.01	5.4	11.4	5.4						-850184	SLV 9	-850184	-2315219	0.1	Si
43	19.01	5.4	11.29	5.4						-744234	SLV 9	-850184	-2315261	0.1	Si
65	17.21	5.4	9.83	5.4						-579044	SLV 9	-802867	-2102610	0.098	Si
87	14.15	5.4	7.6	5.4						-446998	SLV 13	-634602	-1739867	0.093	Si
97	12.61	5.4	7.6	5.4	-65805	SLV 3	21286	963474	0.08	-387574	SLV 13	-556161	-1558143	0.089	Si
119	7.6	5.4	7.6	5.4	-15546	SLV 5	143331	962923	0.078	-307982	SLV 11	-428183	-962923	0.078	Si
141	7.6	5.4	7.6	5.4	98993	SLV 5	281270	962923	0.078	-299242	SLV 11	-326621	-962923	0.078	Si
162	7.6	5.4	7.6	5.4	232363	SLV 5	427936	962923	0.078	-315907	SLV 11	-365398	-962923	0.078	Si
184	7.6	5.4	7.6	5.4	377312	SLV 5	576001	962923	0.078	-350722	SLV 11	-412147	-962923	0.078	Si
206	7.6	5.4	7.6	5.4	525525	SLV 9	722569	962923	0.078	-395373	SLV 7	-463971	-962923	0.078	Si
227	7.6	5.4	7.6	5.4	672791	SLV 9	866723	962923	0.078	-445650	SLV 7	-519953	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	745632	SLV 9	937768	962923	0.078	-472460	SLV 7	-549378	-962923	0.078	Si
249	7.6	5.4	9.81	5.4	817840	SLV 9	1008089	1225656	0.083	-500281	SLV 7	-579720	-963223	0.079	Si
260	7.6	5.4	10.54	5.4	889370	SLV 9	1077666	1312309	0.084	-529067	SLV 7	-610962	-963299	0.079	Si
282	7.6	5.4	11.4	5.4	1030280	SLV 9	1115445	1414576	0.086	-589418	SLV 7	-628421	-963377	0.08	Si
295	7.6	5.4	11.4	5.4	1115445	SLV 9	1115445	1414576	0.086	-628421	SLV 7	-628421	-963377	0.08	Si
303	7.6	5.4	11.4	5.4	1168197	SLV 9	1161319	1414576	0.086	-653349	SLV 7	-650042	-963377	0.08	Si
325	7.6	5.4	11.4	5.4	1303030	SLV 9	1211335	1414576	0.086	-720767	SLV 7	-673615	-963377	0.08	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-793487	SLD 9	-708456	-2315219	0.1	Si
22	19.01	5.4	11.4	5.4						-670489	SLD 9	-664587	-2315219	0.1	Si
30	19.01	5.4	11.4	5.4						-624352	SLD 9	-624352	-2315219	0.1	Si
43	19.01	5.4	11.29	5.4						-551668	SLD 9	-624352	-2315261	0.1	Si
65	17.21	5.4	9.83	5.4						-438884	SLD 13	-591881	-2102610	0.098	Si
87	14.15	5.4	7.6	5.4						-342486	SLD 13	-476425	-1739867	0.093	Si
97	12.61	5.4	7.6	5.4						-297537	SLD 13	-423356	-1558143	0.089	Si
119	7.6	5.4	7.6	5.4	-97264	SLD 5	18830	962923	0.078	-226264	SLD 11	-328254	-962923	0.078	Si
141	7.6	5.4	7.6	5.4	-12014	SLD 5	111532	962923	0.078	-188236	SLD 11	-244924	-962923	0.078	Si
162	7.6	5.4	7.6	5.4	79345	SLD 5	206177	962923	0.078	-162888	SLD 11	-199860	-962923	0.078	Si
184	7.6	5.4	7.6	5.4	173875	SLD 5	299574	962923	0.078	-147284	SLD 11	-170615	-962923	0.078	Si
206	7.6	5.4	7.6	5.4	267972	SLD 9	390460	962923	0.078	-137820	SLD 7	-151942	-962923	0.078	Si
227	7.6	5.4	7.6	5.4	359797	SLD 9	478436	962923	0.078	-132655	SLD 7	-137820	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	404667	SLD 9	521279	962923	0.078	-131495	SLD 7	-136847	-962923	0.078	Si
249	7.6	5.4	9.81	5.4	448797	SLD 9	563341	1225656	0.083	-131239	SLD 7	-134973	-963223	0.079	Si
260	7.6	5.4	10.54	5.4	492168	SLD 9	604616	1312309	0.084	-131865	SLD 7	-137912	-963299	0.079	Si
282	7.6	5.4	11.4	5.4	576581	SLD 9	626888	1414576	0.086	-135719	SLD 7	-139864	-963377	0.08	Si
295	7.6	5.4	11.4	5.4	626888	SLD 9	626888	1414576	0.086	-139864	SLD 7	-139864	-963377	0.08	Si
303	7.6	5.4	11.4	5.4	657833	SLD 9	653812	1414576	0.086	-142985	SLD 7	-142535	-963377	0.08	Si
325	7.6	5.4	11.4	5.4	735887	SLD 9	683167	1414576	0.086	-153624	SLD 7	-145447	-963377	0.08	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.21	0	5486	SLU 26	5486	11581	68363	0	11581	1	Si
22	0	14.15	0	5289	SLU 26	5289	10849	68363	0	10849	1	Si
30	0.086	12.61	0	5213	SLU 26	5213	10442	68363	10004	10442	1	Si
43	0.086	7.6	0	5092	SLU 26	5092	8821	68363	10004	10004	1	Si
65	0.086	7.6	0	4895	SLU 26	4895	8821	68363	10004	10004	1	Si
87	0.086	7.6	0	4698	SLU 26	4698	8821	68363	10004	10004	1	Si
97	0.086	7.6	0	4599	SLU 26	4599	8821	68363	10004	10004	1	Si
119	0.08	7.6	0	4402	SLU 26	4402	8821	68363	9337	9337	1	Si
141	0.08	7.6	0	4205	SLU 26	4205	8821	68363	9337	9337	1	Si
162	0.08	7.6	0	4008	SLU 26	4008	8821	68363	9337	9337	1	Si
184	0.08	7.6	0	3811	SLU 26	3811	8821	68363	9337	9337	1	Si
206	0.08	7.6	0	3613	SLU 26	3613	8821	68363	9337	9337	1	Si
227	0.072	7.6	0	3416	SLU 26	3416	8821	68363	8336	8821	1	Si
249	0.072	7.6	0	3219	SLU 26	3219	8821	68363	8336	8821	1	Si
260	0.072	7.6	0	3120	SLU 26	3120	8821	68363	8336	8821	1	Si
282	0.072	7.6	0	2923	SLU 26	2923	8821	68363	8336	8821	1	Si
295	0.072	7.6	0	2802	SLU 26	2802	8821	68363	8336	8821	1	Si
303	0	7.6	0	2726	SLU 26	2726	8821	68363	0	8821	1	Si
325	0	10.54	0	2529	SLU 26	2529	9836	68363	0	9836	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.21	0	8458	SLV 9	9680	11581	68363	0	11581	1	Si
0	0	17.21	0	-948	SLV 7	-2171	-11581	-68363	0	-11581	1	Si
22	0	14.15	0	8306	SLV 9	9529	10849	68363	0	10849	1	Si
22	0	14.15	0	-1100	SLV 7	-2322	-10849	-68363	0	-10849	1	Si
30	0.086	12.61	0	8248	SLV 9	9470	10442	68363	10004	10442	1	Si
30	0.086	12.61	0	-1158	SLV 7	-2381	-10442	-68363	-10004	-10442	1	Si
43	0.086	7.6	0	8154	SLV 9	9377	8821	68363	10004	10004	1	Si
43	0.086	7.6	0	-1251	SLV 7	-2474	-8821	-68363	-10004	-10004	1	Si
65	0.086	7.6	0	8003	SLV 9	9225	8821	68363	10004	10004	1	Si
65	0.086	7.6	0	-1403	SLV 7	-2626	-8821	-68363	-10004	-10004	1	Si
87	0.086	7.6	0	7851	SLV 9	9074	8821	68363	10004	10004	1	Si
87	0.086	7.6	0	-1555	SLV 7	-2777	-8821	-68363	-10004	-10004	1	Si
97	0.086	7.6	0	7775	SLV 9	8998	8821	68363	10004	10004	1	Si
97	0.086	7.6	0	-1630	SLV 7	-2853	-8821	-68363	-10004	-10004	1	Si
108	0.08	7.6	0	7699	SLV 9	8922	8821	68363	9337	9337	1	Si
108	0.08	7.6	0	-1706	SLV 7	-2929	-8821	-68363	-9337	-9337	1	Si
119	0.08	7.6	0	7624	SLV 9	8846	8821	68363	9337	9337	1	Si
119	0.08	7.6	0	-1782	SLV 7	-3005	-8821	-68363	-9337	-9337	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
141	0.08	7.6	0	7472	SLV 9	8695	8821	68363	9337	9337	1	Si
141	0.08	7.6	0	-1934	SLV 7	-3156	-8821	-68363	-9337	-9337	1	Si
162	0.08	7.6	0	7320	SLV 9	8543	8821	68363	9337	9337	1	Si
162	0.08	7.6	0	-2085	SLV 7	-3308	-8821	-68363	-9337	-9337	1	Si
184	0.08	7.6	0	7169	SLV 9	8391	8821	68363	9337	9337	1	Si
184	0.08	7.6	0	-2237	SLV 7	-3460	-8821	-68363	-9337	-9337	1	Si
206	0.08	7.6	0	7017	SLV 9	8240	8821	68363	9337	9337	1	Si
206	0.08	7.6	0	-2389	SLV 7	-3611	-8821	-68363	-9337	-9337	1	Si
227	0.072	7.6	0	6865	SLV 9	8088	8821	68363	8336	8821	1	Si
227	0.072	7.6	0	-2540	SLV 7	-3763	-8821	-68363	-8336	-8821	1	Si
249	0.072	7.6	0	6714	SLV 9	7936	8821	68363	8336	8821	1	Si
249	0.072	7.6	0	-2692	SLV 7	-3915	-8821	-68363	-8336	-8821	1	Si
260	0.072	7.6	0	6638	SLV 9	7860	8821	68363	8336	8821	1	Si
260	0.072	7.6	0	-2768	SLV 7	-3991	-8821	-68363	-8336	-8821	1	Si
282	0.072	7.6	0	6486	SLV 9	7709	8821	68363	8336	8821	1	Si
282	0.072	7.6	0	-2920	SLV 7	-4142	-8821	-68363	-8336	-8821	1	Si
295	0.072	7.6	0	6393	SLV 9	7615	8821	68363	8336	8821	1	Si
295	0.072	7.6	0	-3013	SLV 7	-4236	-8821	-68363	-8336	-8821	1	Si
303	0	7.6	0	6334	SLV 9	7557	8821	68363	0	8821	1	Si
303	0	7.6	0	-3071	SLV 7	-4294	-8821	-68363	0	-8821	1	Si
325	0	10.54	0	6183	SLV 9	7405	9836	68363	0	9836	1	Si
325	0	7.6	0	-3223	SLV 7	-4446	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.21	0	5817	SLD 9	5817	11581	68363	0	11581	1	Si
22	0	14.15	0	5665	SLD 9	5665	10849	68363	0	10849	1	Si
30	0.086	12.61	0	5607	SLD 9	5607	10442	68363	10004	10442	1	Si
43	0.086	7.6	0	5514	SLD 9	5514	8821	68363	10004	10004	1	Si
65	0.086	7.6	0	5362	SLD 9	5362	8821	68363	10004	10004	1	Si
87	0.086	7.6	0	5210	SLD 9	5210	8821	68363	10004	10004	1	Si
97	0.086	7.6	0	5134	SLD 9	5134	8821	68363	10004	10004	1	Si
119	0.08	7.6	0	4983	SLD 9	4983	8821	68363	9337	9337	1	Si
141	0.08	7.6	0	4831	SLD 9	4831	8821	68363	9337	9337	1	Si
162	0.08	7.6	0	4679	SLD 9	4679	8821	68363	9337	9337	1	Si
184	0.08	7.6	0	4528	SLD 9	4528	8821	68363	9337	9337	1	Si
206	0.08	7.6	0	4376	SLD 9	4376	8821	68363	9337	9337	1	Si
227	0.072	7.6	0	4224	SLD 9	4224	8821	68363	8336	8821	1	Si
249	0.072	7.6	0	4073	SLD 9	4073	8821	68363	8336	8821	1	Si
249	0.072	7.6	0	-51	SLD 7	-51	-8821	-68363	-8336	-8821	1	Si
260	0.072	7.6	0	3997	SLD 9	3997	8821	68363	8336	8821	1	Si
260	0.072	7.6	0	-127	SLD 7	-127	-8821	-68363	-8336	-8821	1	Si
282	0.072	7.6	0	3845	SLD 9	3845	8821	68363	8336	8821	1	Si
282	0.072	7.6	0	-279	SLD 7	-279	-8821	-68363	-8336	-8821	1	Si
295	0.072	7.6	0	3752	SLD 9	3752	8821	68363	8336	8821	1	Si
295	0.072	7.6	0	-372	SLD 7	-372	-8821	-68363	-8336	-8821	1	Si
303	0	7.6	0	3694	SLD 9	3694	8821	68363	0	8821	1	Si
303	0	7.6	0	-430	SLD 7	-430	-8821	-68363	0	-8821	1	Si
325	0	10.54	0	3542	SLD 9	3542	9836	68363	0	9836	1	Si
325	0	7.6	0	-582	SLD 7	-582	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-627907	8	-565905	17.4	124.5	515.3	1837	-607454	1	-547594	16.8	93.4	0	+∞	Si
22	-539886	8	-535169	16.5	124.5	487.3	1837	-522528	1	-517976	15.9	93.4	0	+∞	Si
30	-506979	8	-506979	15.6	124.5	461.6	1837	-490812	1	-490812	15.1	93.4	0	+∞	Si
43	-455151	8	-506979	15.6	124.5	461.7	1837	-440887	1	-490812	15.1	93.4	0	+∞	Si
65	-373702	8	-483823	15.7	124.5	485.6	1837	-362533	1	-468503	15.2	93.4	0	+∞	Si
87	-295539	8	-401252	14.4	124.5	487.4	1837	-287465	1	-389026	13.9	93.4	0	+∞	Si
97	-257690	8	-361198	13.5	124.5	489.8	1837	-251163	1	-350519	13.1	93.4	0	+∞	Si
119	-184796	6	-283556	7.4	124.5	110.8	1837	-181024	1	-275971	12.4	93.4	0	+∞	Si
141	-115998	6	-209200	5.5	124.5	81.8	1837	-114171	1	-204710	9.2	93.4	0	+∞	Si
162	-50605	1	-139225	3.6	124.5	54.4	1837	-50605	1	-136734	6.1	93.4	0	+∞	Si
184	21468	5	95955	2.5	124.5	37.5	1837	13295	2	85303	3.8	93.4	0	+∞	Si
206	76537	4	150986	3.9	124.5	59	1837	66670	1	137888	6.2	93.4	0	+∞	Si
227	132543	4	203380	5.3	124.5	79.5	1837	120379	1	187188	8.4	93.4	0	+∞	Si
249	185936	8	252488	10.3	124.5	436	1837	170801	1	233201	9.5	93.4	0	+∞	Si
260	211462	8	275809	11	124.5	444.4	1837	194780	1	254976	10.1	93.4	0	+∞	Si
282	260049	8	288243	11.1	124.5	430.6	1837	240273	1	266563	10.3	93.4	0	+∞	Si
295	288243	8	288243	11.1	124.5	430.6	1837	266563	1	266563	10.3	93.4	0	+∞	Si
303	305351	8	303121	11.7	124.5	452.9	1837	282480	1	280416	10.8	93.4	0	+∞	Si
325	347366	8	319343	12.3	124.5	477.1	1837	321401	1	295520	11.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
30	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	2	-0.006	2	9999	Si
43	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
65	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	2	-0.009	2	9999	Si
87	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	2	-0.009	2	9999	Si
97	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	2	-0.009	2	9999	Si
119	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.008	2	-0.009	2	9999	Si
141	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.007	2	9999	Si
162	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.006	2	9999	Si
184	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	2	-0.004	2	9999	Si
206	0	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	2	-0.002	2	9999	Si
227	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
249	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
260	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
282	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
295	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
303	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	1	0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
30	3545	5926	10442	SLV 9	0.42	1035	1.166	-450095	400089	1414222	SLV 7	0.57	2474	1.666	Si
43	3452	5926	10004	SLV 9	0.4	909	1.105	-450095	400089	1400712	SLV 7	0.57	2474	1.666	Si
65	3300	5926	10004	SLV 9	0.41	961	1.131	-429213	373654	1227853	SLV 7	0.57	2474	1.666	Si
87	3148	5926	10004	SLV 9	0.42	1019	1.158	-354950	279653	963573	SLV 7	0.57	2474	1.666	Si
97	3072	5926	10004	SLV 9	0.42	1049	1.172	-319050	-237111	-1558143	SLV 13	0.57	2474	1.666	Si
119	2921	5926	9337	SLV 9	0.39	864	1.083	-249716	-178467	-962923	SLV 13	0.57	2474	1.666	Si
141	2769	5926	9337	SLV 9	0.4	914	1.108	-22675	-303945	-962923	SLV 11	0.57	2474	1.666	Si
162	2617	5926	9337	SLV 9	0.41	967	1.134	31269	396667	962923	SLV 5	0.57	2474	1.666	Si
184	2466	5926	9337	SLV 9	0.42	1025	1.161	81927	494074	962923	SLV 9	0.57	2474	1.666	Si
206	2314	5926	9337	SLV 9	0.43	1086	1.189	129299	593270	962923	SLV 9	0.5	1706	1.431	Si
227	2162	5926	8821	SLV 9	0.41	946	1.124	173385	693338	962923	SLV 9	0.41	977	1.139	Si
249	2011	5926	8821	SLV 9	0.42	1001	1.15	214184	793904	1225656	SLV 9	0.46	1315	1.286	Si
260	1935	5926	8821	SLV 9	0.42	1031	1.164	233352	844314	1312309	SLV 9	0.46	1326	1.29	Si
282	1783	5926	8821	SLV 9	0.43	1092	1.192	243512	871933	1414576	SLV 9	0.48	1513	1.362	Si
295	1690	5926	8821	SLV 9	0.43	1131	1.209	243512	871933	1414576	SLV 9	0.48	1513	1.362	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
30	3545	2062	10442	SLD 9	0.45	1225	3.143	-450095	174257	1414222	SLD 7	0.6	2474	4.193	Si
43	3452	2062	10004	SLD 9	0.43	1068	2.971	-450095	174257	1400712	SLD 7	0.6	2474	4.193	Si
65	3300	2062	10004	SLD 9	0.44	1136	3.047	-429213	162668	1227853	SLD 7	0.6	2474	4.193	Si
87	3148	2062	10004	SLD 9	0.44	1205	3.122	-354950	121475	963573	SLD 7	0.6	2474	4.193	Si
97	3072	2062	10004	SLD 9	0.45	1241	3.16	-319050	-104306	-1558143	SLD 13	0.6	2474	4.193	Si
119	2921	2062	9337	SLD 9	0.42	1008	2.902	-79905	-98735	-962923	SLD 11	0.6	2474	4.193	Si
141	2769	2062	9337	SLD 9	0.43	1074	2.978	-22675	-134207	-962923	SLD 11	0.6	2474	4.193	Si
162	2617	2062	9337	SLD 9	0.44	1143	3.055	31269	174908	962923	SLD 5	0.6	2474	4.193	Si
184	2466	2062	9337	SLD 9	0.45	1212	3.129	81927	217647	962923	SLD 9	0.54	2036	3.871	Si
206	2314	2062	9337	SLD 9	0.45	1285	3.205	129299	261161	962923	SLD 9	0.43	1081	2.986	Si
227	2162	2062	8821	SLD 9	0.43	1115	3.024	173385	305052	962923	SLD 9	0.35	642	2.412	Si
249	2011	2062	8821	SLD 9	0.44	1184	3.1	214184	349157	1225656	SLD 9	0.39	844	2.698	Si
260	1935	2062	8821	SLD 9	0.45	1219	3.137	233352	371264	1312309	SLD 9	0.39	851	2.707	Si
282	1783	2062	8821	SLD 9	0.46	1292	3.212	243512	383376	1414576	SLD 9	0.41	962	2.847	Si
295	1690	2062	8821	SLD 9	0.46	1338	3.259	243512	383376	1414576	SLD 9	0.41	962	2.847	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 46-12

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 46 - ?, sezione R 40x70, asta 1127

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	19403	SLU 26	19403	962923	0.078	-89082	SLU 11	-45495	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	121979	SLU 26	223380	962923	0.078	-4292	SLU 11	-4292	-962923	0.078	Si
35	7.6	5.4	7.6	5.4	149124	SLU 26	248143	962923	0.078	18189	SLU 11	-4292	-962923	0.078	Si
70	7.6	5.4	7.6	5.4	267709	SLU 26	363388	962923	0.078						Si
105	7.6	5.4	7.6	5.4	382475	SLU 35	469884	962923	0.078						Si
140	7.6	5.4	7.6	5.4	487089	SLU 35	565244	962923	0.078						Si
157	7.6	5.4	7.6	5.4	535220	SLU 35	608749	962923	0.078						Si
192	7.6	5.4	7.6	5.4	623132	SLU 35	687407	962923	0.078						Si
227	7.6	5.4	7.6	5.4	699909	SLU 35	754930	962923	0.078						Si
262	7.6	5.4	7.6	5.4	765550	SLU 35	811318	962923	0.078						Si
297	7.6	5.4	7.6	5.4	820057	SLU 35	856572	962923	0.078						Si
332	7.6	5.4	7.6	5.4	863429	SLU 35	890690	962923	0.078						Si
367	7.6	5.4	11.4	5.4	895667	SLU 35	913674	1414576	0.086						Si
385	7.6	5.4	11.4	5.4	907610	SLU 35	920990	1414576	0.086						Si
420	7.6	5.4	11.4	5.4	923145	SLU 35	930239	1414576	0.086						Si
455	7.6	5.4	11.4	5.4	931188	SLU 36	931210	1414576	0.086						Si
490	7.6	5.4	11.4	5.4	928449	SLU 36	931210	1414576	0.086						Si
510	7.6	5.4	11.4	5.4	921718	SLU 36	929884	1414576	0.086						Si
525	7.6	5.4	11.4	5.4	914575	SLU 36	914575	1414576	0.086						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	866557	SLV 11	866557	962923	0.078	-936793	SLV 5	-866590	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	878122	SLV 11	886790	962923	0.078	-793484	SLV 5	-793484	-962923	0.078	Si
35	7.6	5.4	7.6	5.4	880862	SLV 11	888410	962923	0.078	-755262	SLV 5	-793484	-962923	0.078	Si
70	7.6	5.4	7.6	5.4	889690	SLV 11	893284	962923	0.078	-585385	SLV 5	-726047	-962923	0.078	Si
105	7.6	5.4	7.6	5.4	893782	SLV 11	894079	962923	0.078	-427902	SLV 5	-558246	-962923	0.078	Si
140	7.6	5.4	7.6	5.4	893117	SLV 11	894079	962923	0.078	-282793	SLV 5	-402874	-962923	0.078	Si
157	7.6	5.4	7.6	5.4	890791	SLV 7	893754	962923	0.078	-214669	SLV 9	-329829	-962923	0.078	Si
192	7.6	5.4	7.6	5.4	881633	SLV 7	889508	962923	0.078	-86763	SLV 9	-192599	-962923	0.078	Si
227	7.6	5.4	7.6	5.4	865983	SLV 7	879270	962923	0.078	30504	SLV 9	-66508	-962923	0.078	Si
262	7.6	5.4	7.6	5.4	843704	SLV 7	875965	962923	0.078						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
297	7.6	5.4	7.6	5.4	883957	SLV 3	920113	962923	0.078						Si
332	7.6	5.4	7.6	5.4	927220	SLV 3	961507	962923	0.078						Si
367	7.6	5.4	11.4	5.4	968602	SLV 3	993803	1414576	0.086						Si
385	7.6	5.4	11.4	5.4	992186	SLV 3	1037968	1414576	0.086						Si
420	7.6	5.4	11.4	5.4	1047605	SLV 1	1093962	1414576	0.086						Si
455	7.6	5.4	11.4	5.4	1103158	SLV 1	1144610	1414576	0.086	36284	SLV 15	-26767	-963377	0.08	Si
490	7.6	5.4	11.4	5.4	1152676	SLV 1	1177498	1414576	0.086	-40095	SLV 15	-88209	-963377	0.08	Si
510	7.6	5.4	11.4	5.4	1177498	SLV 1	1177498	1414576	0.086	-88209	SLV 15	-88209	-963377	0.08	Si
525	7.6	5.4	11.4	5.4	1194659	SLV 1	1186896	1414576	0.086	-126071	SLV 15	-107301	-963377	0.08	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	363342	SLD 11	363342	962923	0.078	-433577	SLD 5	-380277	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	411661	SLD 11	458149	962923	0.078	-327022	SLD 5	-327022	-962923	0.078	Si
35	7.6	5.4	7.6	5.4	424300	SLD 11	469271	962923	0.078	-298699	SLD 5	-327022	-962923	0.078	Si
70	7.6	5.4	7.6	5.4	478059	SLD 11	517313	962923	0.078	-173754	SLD 5	-277160	-962923	0.078	Si
105	7.6	5.4	7.6	5.4	524948	SLD 11	558493	962923	0.078	-59068	SLD 5	-153940	-962923	0.078	Si
140	7.6	5.4	7.6	5.4	564957	SLD 11	592541	962923	0.078	45367	SLD 5	-40995	-962923	0.078	Si
157	7.6	5.4	7.6	5.4	582288	SLD 7	606780	962923	0.078						Si
192	7.6	5.4	7.6	5.4	611376	SLD 7	629520	962923	0.078						Si
227	7.6	5.4	7.6	5.4	632816	SLD 7	644551	962923	0.078						Si
262	7.6	5.4	7.6	5.4	646548	SLD 7	676803	962923	0.078						Si
297	7.6	5.4	7.6	5.4	683312	SLD 3	711159	962923	0.078						Si
332	7.6	5.4	7.6	5.4	716470	SLD 3	739526	962923	0.078						Si
367	7.6	5.4	11.4	5.4	744026	SLD 3	759108	1414576	0.086						Si
385	7.6	5.4	11.4	5.4	757299	SLD 3	779486	1414576	0.086						Si
420	7.6	5.4	11.4	5.4	783898	SLD 1	802356	1414576	0.086						Si
455	7.6	5.4	11.4	5.4	805764	SLD 1	818078	1414576	0.086						Si
490	7.6	5.4	11.4	5.4	820179	SLD 1	824665	1414576	0.086						Si
510	7.6	5.4	11.4	5.4	824665	SLD 1	824665	1414576	0.086						Si
525	7.6	5.4	11.4	5.4	826484	SLD 1	826119	1414576	0.086						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4219	SLU 36	4219	8821	68363	0	8821	1	Si
28	0.06	7.6	0	3969	SLU 36	3969	8821	68363	7019	8821	1	Si
35	0.06	7.6	0	3901	SLU 36	3901	8821	68363	7019	8821	1	Si
70	0.06	7.6	0	3582	SLU 36	3582	8821	68363	7019	8821	1	Si
105	0.06	7.6	0	3264	SLU 36	3264	8821	68363	7019	8821	1	Si
140	0.06	7.6	0	2946	SLU 36	2946	8821	68363	7019	8821	1	Si
157	0.06	7.6	0	2787	SLU 36	2787	8821	68363	7019	8821	1	Si
192	0.06	7.6	0	2468	SLU 36	2468	8821	68363	7019	8821	1	Si
227	0.06	7.6	0	2150	SLU 36	2150	8821	68363	7019	8821	1	Si
262	0.06	7.6	0	1832	SLU 36	1832	8821	68363	7019	8821	1	Si
297	0.06	7.6	0	1513	SLU 36	1513	8821	68363	7019	8821	1	Si
332	0.06	7.6	0	1195	SLU 36	1195	8821	68363	7019	8821	1	Si
367	0.06	7.6	0	893	SLU 18	893	8821	68363	7019	8821	1	Si
385	0.06	7.6	0	770	SLU 18	770	8821	68363	7019	8821	1	Si
420	0.06	10.26	0	525	SLU 18	525	9748	68363	7019	9748	1	Si
420	0.06	10.26	0	-276	SLU 19	-276	-9748	-68363	-7019	-9748	1	Si
455	0.06	11.4	0	281	SLU 18	281	10097	68363	7019	10097	1	Si
455	0.06	11.4	0	-594	SLU 19	-594	-10097	-68363	-7019	-10097	1	Si
490	0.06	11.4	0	36	SLU 18	36	10097	68363	7019	10097	1	Si
490	0.06	11.4	0	-913	SLU 19	-913	-10097	-68363	-7019	-10097	1	Si
510	0.06	11.4	0	-1094	SLU 19	-1094	-10097	-68363	-7019	-10097	1	Si
525	0	11.4	0	-1231	SLU 19	-1231	-10097	-68363	0	-10097	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5509	SLV 5	6182	8821	68363	0	8821	1	Si
0	0	7.6	0	334	SLV 11	-339	-8821	-68363	0	-8821	1	Si
28	0.06	7.6	0	5317	SLV 5	5990	8821	68363	7019	8821	1	Si
28	0.06	7.6	0	142	SLV 11	-531	-8821	-68363	-7019	-8821	1	Si
35	0.06	7.6	0	5264	SLV 5	5937	8821	68363	7019	8821	1	Si
35	0.06	7.6	0	89	SLV 11	-584	-8821	-68363	-7019	-8821	1	Si
70	0.06	7.6	0	5020	SLV 5	5692	8821	68363	7019	8821	1	Si
70	0.06	7.6	0	-156	SLV 11	-828	-8821	-68363	-7019	-8821	1	Si
105	0.06	7.6	0	4775	SLV 5	5448	8821	68363	7019	8821	1	Si
105	0.06	7.6	0	-401	SLV 11	-1073	-8821	-68363	-7019	-8821	1	Si
140	0.06	7.6	0	4530	SLV 5	5203	8821	68363	7019	8821	1	Si
140	0.06	7.6	0	-645	SLV 11	-1318	-8821	-68363	-7019	-8821	1	Si
157	0.06	7.6	0	4407	SLV 5	5080	8821	68363	7019	8821	1	Si
157	0.06	7.6	0	-768	SLV 11	-1441	-8821	-68363	-7019	-8821	1	Si
192	0.06	7.6	0	4163	SLV 5	4835	8821	68363	7019	8821	1	Si
192	0.06	7.6	0	-1013	SLV 11	-1686	-8821	-68363	-7019	-8821	1	Si
227	0.06	7.6	0	3918	SLV 5	4591	8821	68363	7019	8821	1	Si
227	0.06	7.6	0	-1258	SLV 11	-1930	-8821	-68363	-7019	-8821	1	Si
262	0.06	7.6	0	3673	SLV 5	4346	8821	68363	7019	8821	1	Si
262	0.06	7.6	0	-1502	SLV 11	-2175	-8821	-68363	-7019	-8821	1	Si
297	0.06	7.6	0	3428	SLV 5	4101	8821	68363	7019	8821	1	Si
297	0.06	7.6	0	-1747	SLV 11	-2420	-8821	-68363	-7019	-8821	1	Si
332	0.06	7.6	0	3183	SLV 5	3856	8821	68363	7019	8821	1	Si
332	0.06	7.6	0	-1992	SLV 11	-2665	-8821	-68363	-7019	-8821	1	Si
367	0.06	7.6	0	2938	SLV 5	3611	8821	68363	7019	8821	1	Si
367	0.06	7.6	0	-2237	SLV 11	-2910	-8821	-68363	-7019	-8821	1	Si
385	0.06	7.6	0	2816	SLV 5	3489	8821	68363	7019	8821	1	Si
385	0.06	7.6	0	-2359	SLV 11	-3032	-8821	-68363	-7019	-8821	1	Si
420	0.06	10.26	0	2571	SLV 5	3244	9748	68363	7019	9748	1	Si
420	0.06	10.26	0	-2604	SLV 11	-3277	-9748	-68363	-7019	-9748	1	Si
455	0.06	11.4	0	2326	SLV 5	2999	10097	68363	7019	10097	1	Si
455	0.06	11.4	0	-2849	SLV 11	-3522	-10097	-68363	-7019	-10097	1	Si
490	0.06	11.4	0	2081	SLV 5	2754	10097	68363	7019	10097	1	Si
490	0.06	11.4	0	-3094	SLV 11	-3767	-10097	-68363	-7019	-10097	1	Si
510	0.06	11.4	0	1941	SLV 5	2614	10097	68363	7019	10097	1	Si
510	0.06	11.4	0	-3234	SLV 11	-3907	-10097	-68363	-7019	-10097	1	Si
525	0	11.4	0	1836	SLV 5	2509	10097	68363	0	10097	1	Si
525	0	11.4	0	-3339	SLV 11	-4012	-10097	-68363	0	-10097	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4066	SLD 5	4066	8821	68363	0	8821	1	Si
28	0.06	7.6	0	3873	SLD 5	3873	8821	68363	7019	8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
35	0.06	7.6	0	3821	SLD 5	3821	8821	68363	7019	8821	1	Si
70	0.06	7.6	0	3576	SLD 5	3576	8821	68363	7019	8821	1	Si
105	0.06	7.6	0	3331	SLD 5	3331	8821	68363	7019	8821	1	Si
140	0.06	7.6	0	3086	SLD 5	3086	8821	68363	7019	8821	1	Si
157	0.06	7.6	0	2964	SLD 5	2964	8821	68363	7019	8821	1	Si
192	0.06	7.6	0	2719	SLD 5	2719	8821	68363	7019	8821	1	Si
227	0.06	7.6	0	2474	SLD 5	2474	8821	68363	7019	8821	1	Si
262	0.06	7.6	0	2229	SLD 5	2229	8821	68363	7019	8821	1	Si
262	0.06	7.6	0	-59	SLD 11	-59	-8821	-68363	-7019	-8821	1	Si
297	0.06	7.6	0	1984	SLD 5	1984	8821	68363	7019	8821	1	Si
297	0.06	7.6	0	-304	SLD 11	-304	-8821	-68363	-7019	-8821	1	Si
332	0.06	7.6	0	1739	SLD 5	1739	8821	68363	7019	8821	1	Si
332	0.06	7.6	0	-548	SLD 11	-548	-8821	-68363	-7019	-8821	1	Si
367	0.06	7.6	0	1495	SLD 5	1495	8821	68363	7019	8821	1	Si
367	0.06	7.6	0	-793	SLD 11	-793	-8821	-68363	-7019	-8821	1	Si
385	0.06	7.6	0	1372	SLD 5	1372	8821	68363	7019	8821	1	Si
385	0.06	7.6	0	-916	SLD 11	-916	-8821	-68363	-7019	-8821	1	Si
420	0.06	10.26	0	1127	SLD 5	1127	9748	68363	7019	9748	1	Si
420	0.06	10.26	0	-1161	SLD 11	-1161	-9748	-68363	-7019	-9748	1	Si
455	0.06	11.4	0	882	SLD 5	882	10097	68363	7019	10097	1	Si
455	0.06	11.4	0	-1405	SLD 11	-1405	-10097	-68363	-7019	-10097	1	Si
490	0.06	11.4	0	638	SLD 5	638	10097	68363	7019	10097	1	Si
490	0.06	11.4	0	-1650	SLD 11	-1650	-10097	-68363	-7019	-10097	1	Si
510	0.06	11.4	0	498	SLD 5	498	10097	68363	7019	10097	1	Si
510	0.06	11.4	0	-1790	SLD 11	-1790	-10097	-68363	-7019	-10097	1	Si
525	0	11.4	0	393	SLD 5	393	10097	68363	0	10097	1	Si
525	0	11.4	0	-1895	SLD 11	-1895	-10097	-68363	0	-10097	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	3563	8	3563	0.1	124.5	1.4	1837								Si
0	-53521	2	-14385	0.4	124.5	5.6	1837	-35118	2	-7513	0.3	93.4	0	+∞	Si
28	85139	8	165963	4.3	124.5	64.9	1837	68129	1	142680	6.4	93.4	0	+∞	Si
35	106746	8	185739	4.8	124.5	72.6	1837	88121	1	160841	7.2	93.4	0	+∞	Si
70	201363	8	273238	7.1	124.5	106.8	1837	175190	1	240792	10.8	93.4	0	+∞	Si
105	287416	8	352173	9.2	124.5	137.7	1837	253694	1	312178	14	93.4	0	+∞	Si
140	364903	8	422542	11	124.5	165.2	1837	323632	1	374998	16.8	93.4	0	+∞	Si
157	400434	8	454514	11.8	124.5	177.7	1837	355390	1	403196	18.1	93.4	0	+∞	Si
192	465074	8	512035	13.3	124.5	200.1	1837	412480	1	453168	20.3	93.4	0	+∞	Si
227	521147	8	560991	14.6	124.5	219.3	1837	461005	1	494575	22.2	93.4	0	+∞	Si
262	568656	8	601381	15.7	124.5	235.1	1837	500965	1	527417	23.7	93.4	0	+∞	Si
297	607599	8	633206	16.5	124.5	247.5	1837	532360	1	551693	24.7	93.4	0	+∞	Si
332	637977	8	656466	17.1	124.5	256.6	1837	555189	1	567405	25.5	93.4	0	+∞	Si
367	659790	8	671161	25.9	124.5	1002.7	1837	569453	1	574550	22.2	93.4	0	+∞	Si
385	667484	8	675296	26.1	124.5	1008.9	1837	573373	1	575151	22.2	93.4	0	+∞	Si
420	676449	8	679121	26.2	124.5	1014.6	1837	574789	1	575151	22.2	93.4	0	+∞	Si
455	679277	9	679277	26.2	124.5	1014.8	1837	569721	2	574127	22.2	93.4	0	+∞	Si
490	673775	9	678709	26.2	124.5	1014	1837	556290	2	567814	21.9	93.4	0	+∞	Si
510	666659	9	675761	26.1	124.5	1009.6	1837	544644	2	560337	21.6	93.4	0	+∞	Si
525	659708	9	659708	25.5	124.5	985.6	1837	534294	2	534294	20.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
28	0.008	0.007	0.008	0.006	0.007	0.007	0.007	0.006	0.007	0.007	0.017	1	0.016	1	9999	Si
35	0.01	0.009	0.01	0.008	0.009	0.009	0.009	0.008	0.009	0.009	0.022	1	0.021	1	9999	Si
70	0.021	0.017	0.019	0.015	0.019	0.017	0.017	0.016	0.018	0.017	0.043	1	0.041	1	9999	Si
105	0.03	0.025	0.028	0.023	0.027	0.025	0.025	0.023	0.027	0.026	0.062	1	0.06	1	8435	Si
140	0.039	0.032	0.035	0.029	0.035	0.033	0.031	0.03	0.034	0.033	0.079	1	0.077	1	6608	Si
157	0.042	0.035	0.038	0.032	0.038	0.036	0.034	0.032	0.037	0.036	0.087	1	0.084	1	6034	Si
192	0.049	0.041	0.044	0.037	0.043	0.041	0.039	0.037	0.043	0.041	0.1	1	0.097	1	5266	Si
227	0.053	0.045	0.048	0.04	0.047	0.045	0.043	0.041	0.046	0.045	0.109	1	0.106	1	4828	Si
262	0.056	0.047	0.05	0.042	0.05	0.047	0.045	0.043	0.049	0.048	0.114	1	0.111	1	4619	Si
280	0.056	0.047	0.051	0.043	0.05	0.048	0.045	0.043	0.049	0.048	0.114	1	0.112	1	4585	Si
297	0.056	0.047	0.051	0.043	0.05	0.048	0.045	0.043	0.049	0.048	0.114	1	0.112	1	4599	Si
332	0.054	0.046	0.049	0.041	0.048	0.046	0.044	0.042	0.047	0.046	0.11	1	0.108	1	4776	Si
367	0.05	0.042	0.045	0.038	0.044	0.043	0.04	0.038	0.043	0.043	0.101	1	0.099	1	5207	Si
385	0.047	0.04	0.042	0.036	0.042	0.04	0.038	0.036	0.041	0.04	0.094	1	0.093	1	5558	Si
420	0.039	0.033	0.035	0.03	0.034	0.033	0.031	0.03	0.034	0.033	0.078	1	0.077	1	6726	Si
455	0.029	0.024	0.026	0.022	0.025	0.024	0.023	0.022	0.025	0.024	0.057	1	0.056	1	9243	Si
490	0.016	0.013	0.014	0.012	0.014	0.013	0.012	0.012	0.013	0.013	0.031	1	0.03	1	9999	Si
510	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	1	0.014	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	2729	3260	8821	SLV 5	0.57	2474	1.666	42319	835803	962923	SLV 11	0.4	901	1.101	Si
35	2677	3260	8821	SLV 5	0.57	2474	1.666	137418	750992	962923	SLV 11	0.4	896	1.099	Si
70	2432	3260	8821	SLV 5	0.57	2474	1.666	78259	804306	962923	SLV 11	0.4	898	1.1	Si
105	2187	3260	8821	SLV 5	0.57	2474	1.666	166164	724411	962923	SLV 11	0.4	897	1.099	Si
140	1942	3260	8821	SLV 5	0.57	2474	1.666	270122	623957	962923	SLV 11	0.4	918	1.11	Si
157	1820	3260	8821	SLV 5	0.57	2474	1.666	281962	611791	962923	SLV 11	0.4	924	1.113	Si
192	1575	3260	8821	SLV 5	0.57	2474	1.666	348454	541053	962923	SLV 7	0.41	970	1.135	Si
227	1330	3260	8821	SLV 5	0.57	2474	1.666	406381	472889	962923	SLV 7	0.43	1066	1.18	Si
262	1085	3260	8821	SLV 5	0.57	2474	1.666	518837	357128	962923	SLV 3	0.45	1233	1.253	Si
297	840	3260	8821	SLV 5	0.57	2474	1.666	545397	374716	962923	SLV 3	0.4	926	1.114	Si
332	595	3260	8821	SLV 5	0.57	2474	1.666	563392	398115	962923	SLV 3	0.37	718	1.003	Si
367	351	3260	8821	SLV 5	0.57	2474	1.666	572821	420982	1414576	SLV 1	0.57	2474	1.666	Si
385	228	3260	8821	SLV 5	0.57	2474	1.666	574324	463644	1414576	SLV 1	0.57	2474	1.666	Si
420	-17	-3260	-9748	SLV 11	0.57	2474	1.666	570905	523057	1414576	SLV 1	0.57	2469	1.665	Si
455	-262	-3260	-10097	SLV 11	0.57	2474	1.666	558921	585689	1414576	SLV 1	0.52	1895	1.494	Si
490	-506	-3260	-10097	SLV 11	0.57	2474	1.666	544644	632853	1414576	SLV 1	0.49	1610	1.397	Si
510	-646	-3260	-10097	SLV 11	0.57	2474	1.666	544644	632853	1414576	SLV 1	0.49	1610	1.397	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	2729	1144	8821	SLD 5	0.6	2474	4.193	42319	369342	962923	SLD 11	0.34	586	2.323	Si
35	2677	1144	8821	SLD 5	0.6	2474	4.193	137418	331854	962923	SLD 11	0.34	583	2.318	Si
70	2432	1144	8821	SLD 5	0.6	2474	4.193	78259	355419	962923	SLD 11	0.34	584	2.32	Si
105	2187	1144	8821	SLD 5	0.6	2474	4.193	166164	320105	962923	SLD 11	0.34	584	2.32	Si
140	1942	1144	8821	SLD 5	0.6	2474	4.193	245504	286499	962923	SLD 11	0.34	593	2.334	Si
157	1820	1144	8821	SLD 5	0.6	2474	4.193	305162	259795	962923	SLD 11	0.34	609	2.36	Si
192	1575	1144	8821	SLD 5	0.6	2474	4.193	348454	239067	962923	SLD 7	0.35	632	2.396	Si
227	1330	1144	8821	SLD 5	0.6	2474	4.193	406381	208943	962923	SLD 7	0.36	689	2.483	Si
262	1085	1144	8821	SLD 5	0.6	2474	4.193	518837	157966	962923	SLD 3	0.38	785	2.619	Si
297	840	1144	8821	SLD 5	0.6	2474	4.193	545397	165762	962923	SLD 3	0.34	601	2.347	Si
332	595	1144	8821	SLD 5	0.6	2474	4.193	563392	176135	962923	SLD 3	0.31	469	2.12	Si
367	351	1144	8821	SLD 5	0.6	2474	4.193	572821	186287	1414576	SLD 1	0.59	2474	4.193	Si
385	228	1144	8821	SLD 5	0.6	2474	4.193	574324	205162	1414576	SLD 1	0.54	2101	3.921	Si
420	-17	-1144	-9748	SLD 11	0.6	2474	4.193	570905	231451	1414576	SLD 1	0.48	1538	3.45	Si
455	-262	-1144	-10097	SLD 11	0.6	2474	4.193	558921	259157	1414576	SLD 1	0.44	1183	3.098	Si
490	-506	-1144	-10097	SLD 11	0.6	2474	4.193	544644	280020	1414576	SLD 1	0.42	1004	2.897	Si
510	-646	-1144	-10097	SLD 11	0.6	2474	4.193	544644	280020	1414576	SLD 1	0.42	1004	2.897	Si

Campata 2 tra i fili ? - 23, sezione R 40x70, asta 1128

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	956093	SLU 36	839007	1414576	0.086						Si
12	7.6	5.4	11.4	5.4	765224	SLU 36	761066	1414576	0.086						Si
15	7.6	5.4	11.4	5.4	720938	SLU 36	720938	1414576	0.086						Si
24	7.6	5.4	11.4	5.4	573003	SLU 36	720938	1414576	0.086	279766	SLU 1	-42535	-963377	0.08	Si
37	7.6	5.4	10.74	5.4	379430	SLU 36	720938	1335244	0.085	155391	SLU 1	-203116	-963318	0.079	Si
43	7.6	5.4	10.33	5.4	282137	SLU 36	720938	1286502	0.084	92814	SLU 1	-283913	-963278	0.079	Si
55	11.18	5.4	9.51	5.4	114275	SLU 18	550835	1189114	0.082	-60858	SLU 19	-450997	-1388412	0.086	Si
67	12.33	5.4	7.6	5.4	-48915	SLU 18	357107	963452	0.08	-221594	SLU 19	-641096	-1524889	0.089	Si
79	13.48	5.4	7.6	5.4	-202781	SLU 12	176848	963532	0.08	-383681	SLU 19	-838055	-1661200	0.091	Si
91	17.6	5.4	7.6	5.4	-339601	SLU 11	14059	963743	0.081	-566875	SLU 26	-1045536	-2149436	0.103	Si
104	19.33	5.4	7.6	5.4						-759855	SLU 26	-1254369	-2353080	0.108	Si
116	20.48	5.4	7.6	5.4						-965408	SLU 35	-1464553	-2488659	0.112	Si
128	21.62	5.4	7.6	5.4						-1173719	SLU 35	-1676089	-2623982	0.115	Si
134	22.2	5.4	7.6	5.4						-1278382	SLU 35	-1776761	-2691180	0.12	Si
146	22.81	5.4	7.6	5.4						-1488722	SLU 35	-1776761	-2762053	0.125	Si
158	22.81	5.4	7.6	5.4						-1700413	SLU 35	-1776761	-2762053	0.125	Si
163	22.81	5.4	7.6	5.4						-1776761	SLU 35	-1776761	-2762053	0.125	Si
171	22.81	5.4	7.6	5.4						-1913455	SLU 35	-1886560	-2762053	0.125	Si
183	22.81	5.4	7.6	5.4						-2127849	SLU 35	-1951412	-2762053	0.125	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	1268623	SLV 1	1158541	1414576	0.086	-144316	SLV 15	-144316	-963377	0.08	Si
12	7.6	5.4	11.4	5.4	1089463	SLV 1	1085683	1414576	0.086	-211703	SLV 15	-211703	-963377	0.08	Si
15	7.6	5.4	11.4	5.4	1048172	SLV 1	1048172	1414576	0.086	-227674	SLV 15	-426215	-963377	0.08	Si
24	7.6	5.4	11.4	5.4	910659	SLV 1	1048172	1414576	0.086	-281525	SLV 15	-535704	-963377	0.08	Si
37	7.6	5.4	10.74	5.4	732419	SLV 1	1048172	1335244	0.085	-353992	SLV 15	-680675	-963318	0.079	Si
43	7.6	5.4	10.33	5.4	662070	SLV 5	1048172	1286502	0.084	-409775	SLV 11	-754419	-963278	0.079	Si
55	11.18	5.4	9.51	5.4	550584	SLV 5	890190	1189114	0.082	-552114	SLV 11	-905064	-1388412	0.086	Si
67	12.33	5.4	7.6	5.4	440003	SLV 5	712051	963452	0.08	-697438	SLV 11	-1061447	-1524889	0.089	Si
79	13.48	5.4	7.6	5.4	330937	SLV 5	593465	963532	0.08	-846356	SLV 11	-1225898	-1661200	0.091	Si
91	17.6	5.4	7.6	5.4	224733	SLV 5	482501	963743	0.081	-1000214	SLV 11	-1399441	-2149436	0.103	Si
104	19.33	5.4	7.6	5.4	123629	SLV 5	372764	963806	0.081	-1161253	SLV 11	-1580444	-2353080	0.108	Si
116	20.48	5.4	7.6	5.4	29520	SLV 5	265281	963843	0.081	-1331366	SLV 11	-1766466	-2488659	0.112	Si
128	21.62	5.4	7.6	5.4	-58292	SLV 5	161970	963878	0.081	-1509855	SLV 11	-1955819	-2623982	0.115	Si
134	22.2	5.4	7.6	5.4	-100616	SLV 5	112626	963894	0.081	-1601462	SLV 11	-2046392	-2691180	0.12	Si
146	22.81	5.4	7.6	5.4	-183528	SLV 5	19300	963910	0.081	-1787971	SLV 11	-2046392	-2762053	0.125	Si
158	22.81	5.4	7.6	5.4						-1977656	SLV 11	-2046392	-2762053	0.125	Si
163	22.81	5.4	7.6	5.4						-2046392	SLV 11	-2046392	-2762053	0.125	Si
171	22.81	5.4	7.6	5.4						-2169664	SLV 11	-2126726	-2762053	0.125	Si
183	22.81	5.4	7.6	5.4						-2363537	SLV 7	-2094046	-2762053	0.125	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	874748	SLD 1	783900	1414576	0.086						Si
12	7.6	5.4	11.4	5.4	726739	SLD 1	723567	1414576	0.086						Si
15	7.6	5.4	11.4	5.4	692505	SLD 1	692505	1414576	0.086	127994	SLD 15	-126328	-963377	0.08	Si
24	7.6	5.4	11.4	5.4	578308	SLD 1	692505	1414576	0.086	50826	SLD 15	-229183	-963377	0.08	Si
37	7.6	5.4	10.74	5.4	429546	SLD 1	692505	1335244	0.085	-51119	SLD 15	-364577	-963318	0.079	Si
43	7.6	5.4	10.33	5.4	363155	SLD 5	692505	1286502	0.084	-110860	SLD 11	-433048	-963278	0.079	Si
55	11.18	5.4	9.51	5.4	243045	SLD 5	561249	1189114	0.082	-244576	SLD 11	-571822	-1388412	0.086	Si
67	12.33	5.4	7.6	5.4	122757	SLD 5	412466	963452	0.08	-380192	SLD 11	-713714	-1524889	0.089	Si
79	13.48	5.4	7.6	5.4	2560	SLD 5	289345	963532	0.08	-517978	SLD 11	-859756	-1661200	0.091	Si
91	17.6	5.4	7.6	5.4	-116951	SLD 5	169111	963743	0.081	-658530	SLD 11	-1010400	-2149436	0.103	Si
104	19.33	5.4	7.6	5.4	-234785	SLD 5	48840	963806	0.081	-802839	SLD 11	-1164926	-2353080	0.108	Si
116	20.48	5.4	7.6	5.4						-951742	SLD 11	-1322252	-2488659	0.112	Si
128	21.62	5.4	7.6	5.4						-1104932	SLD 11	-1481632	-2623982	0.115	Si
134	22.2	5.4	7.6	5.4						-1182789	SLD 11	-1557719	-2691180	0.12	Si
146	22.81	5.4	7.6	5.4						-1340397	SLD 11	-1557719	-2762053	0.125	Si
158	22.81	5.4	7.6	5.4						-1499990	SLD 11	-1557719	-2762053	0.125	Si
163	22.81	5.4	7.6	5.4						-1557719	SLD 11	-1557719	-2762053	0.125	Si
171	22.81	5.4	7.6	5.4						-1661192	SLD 11	-1632552	-2762053	0.125	Si
183	22.81	5.4	7.6	5.4						-1823798	SLD 7	-1676752	-2762053	0.125	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-15984	SLU 35	-15984	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-16094	SLU 35	-16094	-8821	-68363	0	-8821	1	Si
15	0.17	7.6	0	-16120	SLU 35	-16120	-8821	-68363	-19740	-19740	1	Si
24	0.17	7.6	0	-16205	SLU 35	-16205	-8821	-68363	-19740	-19740	1	Si
37	0.17	7.6	0	-16316	SLU 35	-16316	-8821	-68363	-19740	-19740	1	Si
43	0.17	7.6	0	-16372	SLU 35	-16372	-8821	-68363	-19740	-19740	1	Si
55	0.17	7.6	0	-16483	SLU 35	-16483	-8821	-68363	-19740	-19740	1	Si
67	0.17	7.6	0	-16594	SLU 35	-16594	-8821	-68363	-19740	-19740	1	Si
79	0.17	7.6	0	-16704	SLU 35	-16704	-8821	-68363	-19740	-19740	1	Si
91	0.17	7.6	0	-16815	SLU 35	-16815	-8821	-68363	-19740	-19740	1	Si
104	0.17	7.6	0	-16926	SLU 35	-16926	-8821	-68363	-19740	-19740	1	Si
116	0.17	10.61	0	-17037	SLU 35	-17037	-9857	-68363	-19740	-19740	1	Si
128	0.17	11.76	0	-17148	SLU 35	-17148	-10201	-68363	-19740	-19740	1	Si
134	0.17	12.33	0	-17204	SLU 35	-17204	-10364	-68363	-19740	-19740	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
146	0.17	13.48	0	-17314	SLU 35	-17314	-10676	-68363	-19740	-19740	1	Si
158	0.17	17.6	0	-17425	SLU 35	-17425	-11669	-68363	-19740	-19740	1	Si
163	0.17	18.75	0	-17465	SLU 35	-17465	-11918	-68363	-19740	-19740	1	Si
171	0	19.33	0	-17536	SLU 35	-17536	-12038	-68363	0	-12038	1	Si
183	0	20.48	0	-17647	SLU 35	-17647	-12272	-68363	0	-12272	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-16541	SLV 3	-18223	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-16627	SLV 3	-18309	-8821	-68363	0	-8821	1	Si
15	0.17	7.6	0	-16646	SLV 3	-18328	-8821	-68363	-19740	-19740	1	Si
24	0.17	7.6	0	-16712	SLV 3	-18394	-8821	-68363	-19740	-19740	1	Si
37	0.17	7.6	0	-16797	SLV 3	-18479	-8821	-68363	-19740	-19740	1	Si
43	0.17	7.6	0	-16840	SLV 3	-18522	-8821	-68363	-19740	-19740	1	Si
55	0.17	7.6	0	-16925	SLV 3	-18607	-8821	-68363	-19740	-19740	1	Si
67	0.17	7.6	0	-17011	SLV 3	-18693	-8821	-68363	-19740	-19740	1	Si
79	0.17	7.6	0	-17096	SLV 3	-18778	-8821	-68363	-19740	-19740	1	Si
91	0.17	7.6	0	-17181	SLV 3	-18863	-8821	-68363	-19740	-19740	1	Si
104	0.17	7.6	0	-17267	SLV 3	-18949	-8821	-68363	-19740	-19740	1	Si
116	0.17	10.61	0	-17352	SLV 3	-19034	-9857	-68363	-19740	-19740	1	Si
128	0.17	11.76	0	-17437	SLV 3	-19119	-10201	-68363	-19740	-19740	1	Si
134	0.17	12.33	0	-17480	SLV 3	-19162	-10364	-68363	-19740	-19740	1	Si
146	0.17	13.48	0	-17565	SLV 3	-19247	-10676	-68363	-19740	-19740	1	Si
158	0.17	17.6	0	-17650	SLV 3	-19332	-11669	-68363	-19740	-19740	1	Si
163	0.17	18.75	0	-17681	SLV 3	-19363	-11918	-68363	-19740	-19740	1	Si
171	0	19.33	0	-17736	SLV 3	-19418	-12038	-68363	0	-12038	1	Si
183	0	20.48	0	-17821	SLV 3	-19503	-12272	-68363	0	-12272	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-12934	SLD 3	-12934	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-13020	SLD 3	-13020	-8821	-68363	0	-8821	1	Si
15	0.17	7.6	0	-13039	SLD 3	-13039	-8821	-68363	-19740	-19740	1	Si
24	0.17	7.6	0	-13105	SLD 3	-13105	-8821	-68363	-19740	-19740	1	Si
37	0.17	7.6	0	-13190	SLD 3	-13190	-8821	-68363	-19740	-19740	1	Si
43	0.17	7.6	0	-13233	SLD 3	-13233	-8821	-68363	-19740	-19740	1	Si
55	0.17	7.6	0	-13318	SLD 3	-13318	-8821	-68363	-19740	-19740	1	Si
67	0.17	7.6	0	-13403	SLD 3	-13403	-8821	-68363	-19740	-19740	1	Si
79	0.17	7.6	0	-13489	SLD 3	-13489	-8821	-68363	-19740	-19740	1	Si
91	0.17	7.6	0	-13574	SLD 3	-13574	-8821	-68363	-19740	-19740	1	Si
104	0.17	7.6	0	-13659	SLD 3	-13659	-8821	-68363	-19740	-19740	1	Si
116	0.17	10.61	0	-13745	SLD 3	-13745	-9857	-68363	-19740	-19740	1	Si
128	0.17	11.76	0	-13830	SLD 3	-13830	-10201	-68363	-19740	-19740	1	Si
134	0.17	12.33	0	-13873	SLD 3	-13873	-10364	-68363	-19740	-19740	1	Si
146	0.17	13.48	0	-13958	SLD 3	-13958	-10676	-68363	-19740	-19740	1	Si
158	0.17	17.6	0	-14043	SLD 3	-14043	-11669	-68363	-19740	-19740	1	Si
163	0.17	18.75	0	-14074	SLD 3	-14074	-11918	-68363	-19740	-19740	1	Si
171	0	19.33	0	-14129	SLD 3	-14129	-12038	-68363	0	-12038	1	Si
183	0	20.48	0	-14214	SLD 3	-14214	-12272	-68363	0	-12272	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	690876	9	604006	23.3	124.5	902.4	1837	562154	2	486579	18.8	93.4	0	+∞	Si
12	549248	9	546163	21.1	124.5	816	1837	438880	2	436191	16.9	93.4	0	+∞	Si
15	516381	9	516381	19.9	124.5	771.5	1837	410249	2	410249	15.8	93.4	0	+∞	Si
24	406581	9	516381	19.9	124.5	771.5	1837	314567	2	410249	15.8	93.4	0	+∞	Si
37	262873	9	516381	20.4	124.5	817.7	1837	189214	2	410249	16.2	93.4	0	+∞	Si
43	190630	9	516381	20.7	124.5	849	1837	126147	2	410249	16.4	93.4	0	+∞	Si
55	45363	9	390124	15.2	124.5	692.8	1837								Si
55	-18284	1	-334484	12.6	124.5	508.2	1837	-18284	1	-331500	12.5	93.4	0	+∞	Si
67	-148866	1	-484972	18.2	124.5	671.9	1837	-148866	1	-464562	17.5	93.4	0	+∞	Si
79	-280488	1	-637866	23.2	124.5	811.3	1837	-280488	1	-598663	21.8	93.4	0	+∞	Si
91	-426319	8	-791800	26.4	124.5	780.1	1837	-413149	1	-733805	24.4	93.4	0	+∞	Si
104	-578813	8	-946774	30.6	124.5	853.3	1837	-546851	1	-869986	28.1	93.4	0	+∞	Si
116	-732346	8	-1102787	35	124.5	940.7	1837	-681591	1	-1007207	32	93.4	0	+∞	Si
128	-886920	8	-1259841	39.3	124.5	1020.3	1837	-817372	1	-1145467	35.7	93.4	0	+∞	Si
134	-964596	8	-1334596	41.3	124.5	1054.2	1837	-885652	1	-1211322	37.5	93.4	0	+∞	Si
146	-1120729	8	-1334596	41	124.5	1027.4	1837	-1022992	1	-1211322	37.2	93.4	0	+∞	Si
158	-1277901	8	-1334596	41	124.5	1027.4	1837	-1161372	1	-1211322	37.2	93.4	0	+∞	Si
163	-1334596	8	-1334596	41	124.5	1027.4	1837	-1211322	1	-1211322	37.2	93.4	0	+∞	Si
171	-1436113	8	-1416134	43.5	124.5	1090.2	1837	-1300791	1	-1283165	39.4	93.4	0	+∞	Si
183	-1595365	8	-1464294	44.9	124.5	1127.3	1837	-1441250	1	-1325599	40.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
15	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
24	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
37	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	2	-0.004	2	9999	Si
43	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si
55	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	2	-0.007	2	9999	Si
67	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.008	2	-0.008	2	9999	Si
79	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.009	2	-0.01	2	9999	Si
91	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	2	-0.012	2	9999	Si
104	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.012	2	-0.013	2	9999	Si
116	-0.005	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	2	-0.013	2	9999	Si
122	-0.005	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	2	-0.013	2	9999	Si
128	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	2	-0.013	2	9999	Si
134	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.012	2	-0.013	2	9999	Si
146	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	2	-0.011	2	9999	Si
158	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.009	2	-0.009	2	9999	Si
163	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.008	2	9999	Si
171	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	-10177	-8151	-19740	SLV 3	0.42	1057	1.176	410249	637923	1414576	SLV 1	0.56	2314	1.621	Si
24	-10243	-8151	-19740	SLV 3	0.42	1038	1.167	410249	637923	1414576	SLV 1	0.56	2314	1.621	Si
37	-10328	-8151	-19740	SLV 3	0.42	1014	1.156	410249	637923	1335244	SLV 1	0.52	1857	1.481	Si
43	-10371	-8151	-19740	SLV 3	0.42	1001	1.15	-178315	-576103	-963278	SLV 11	0.49	1572	1.384	Si
55	-10456	-8151	-19740	SLV 3	0.41	978	1.139	300216	589974	1189114	SLV 1	0.54	2057	1.545	Si
67	-10542	-8151	-19740	SLV 3	0.41	955	1.128	174744	537307	963452	SLV 1	0.52	1919	1.502	Si
79	-10627	-8151	-19740	SLV 3	0.41	934	1.118	-569612	-656287	-1661200	SLV 11	0.57	2474	1.666	Si
91	-10712	-8151	-19740	SLV 3	0.4	913	1.107	-79320	561821	963743	SLV 5	0.57	2474	1.666	Si
104	-10797	-8151	-19740	SLV 3	0.4	892	1.097	-207911	580675	963806	SLV 5	0.57	2474	1.666	Si
116	-10883	-8151	-19740	SLV 3	0.39	871	1.086	-970266	-796200	-2488659	SLV 11	0.57	2474	1.666	Si
128	-10968	-8151	-19740	SLV 3	0.39	851	1.076	-1105896	-849923	-2623982	SLV 11	0.57	2474	1.666	Si
134	-11011	-8151	-19740	SLV 3	0.39	841	1.071	-1170505	-875886	-2691180	SLV 11	0.57	2474	1.666	Si
146	-11096	-8151	-19740	SLV 3	0.38	821	1.06	-1170505	-875886	-2762053	SLV 11	0.57	2474	1.666	Si
158	-11181	-8151	-19740	SLV 3	0.38	801	1.049	-1170505	-875886	-2762053	SLV 11	0.57	2474	1.666	Si
163	-11212	-8151	-19740	SLV 3	0.38	794	1.046	-1170505	-875886	-2762053	SLV 11	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	-10177	-2862	-19740	SLD 3	0.45	1221	3.139	410249	282255	1414576	SLD 1	0.47	1443	3.361	Si
24	-10243	-2862	-19740	SLD 3	0.44	1199	3.116	410249	282255	1414576	SLD 1	0.47	1443	3.361	Si
37	-10328	-2862	-19740	SLD 3	0.44	1171	3.086	410249	282255	1335244	SLD 1	0.44	1160	3.074	Si
43	-10371	-2862	-19740	SLD 3	0.44	1157	3.07	-178315	-254733	-963278	SLD 11	0.41	983	2.872	Si
55	-10456	-2862	-19740	SLD 3	0.43	1129	3.04	300216	261033	1189114	SLD 1	0.45	1285	3.205	Si
67	-10542	-2862	-19740	SLD 3	0.43	1101	3.009	174744	237722	963452	SLD 1	0.44	1198	3.115	Si
79	-10627	-2862	-19740	SLD 3	0.43	1074	2.978	-569612	-290145	-1661200	SLD 11	0.5	1674	3.572	Si
91	-10712	-2862	-19740	SLD 3	0.42	1046	2.946	-79320	248430	963743	SLD 5	0.55	2245	4.029	Si
104	-10797	-2862	-19740	SLD 3	0.42	1021	2.917	-207911	256750	963806	SLD 5	0.6	2474	4.193	Si
116	-10883	-2862	-19740	SLD 3	0.42	994	2.885	-970266	-351986	-2488659	SLD 11	0.57	2414	4.151	Si
128	-10968	-2862	-19740	SLD 3	0.41	970	2.856	-1105896	-375735	-2623982	SLD 11	0.53	2027	3.864	Si
134	-11011	-2862	-19740	SLD 3	0.41	957	2.841	-1170505	-387214	-2691180	SLD 11	0.52	1877	3.744	Si
146	-11096	-2862	-19740	SLD 3	0.41	935	2.814	-1170505	-387214	-2762053	SLD 11	0.54	2121	3.936	Si
158	-11181	-2862	-19740	SLD 3	0.4	913	2.786	-1170505	-387214	-2762053	SLD 11	0.54	2121	3.936	Si
163	-11212	-2862	-19740	SLD 3	0.4	905	2.776	-1170505	-387214	-2762053	SLD 11	0.54	2121	3.936	Si

Campata 3 tra i fili 23 - 12, sezione R 40x70, asta 1129

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-1674023	SLU 35	-1591882	-2762053	0.125	Si
20	22.81	5.4	7.6	5.4						-1513824	SLU 35	-1513824	-2762053	0.125	Si
45	22.52	5.4	7.6	5.4						-1316042	SLU 35	-1513824	-2728674	0.123	Si
68	20.2	5.4	7.6	5.4						-1144274	SLU 35	-1365587	-2455822	0.111	Si
91	15.92	5.4	7.6	5.4						-977322	SLU 35	-1192459	-1950635	0.098	Si
102	11.81	5.4	7.6	5.4						-895651	SLU 35	-1107700	-1463161	0.087	Si
125	7.6	5.4	7.6	5.4						-735921	SLU 35	-941795	-962923	0.078	Si
147	7.6	5.4	7.6	5.4						-581007	SLU 35	-780705	-962923	0.078	Si
170	7.6	5.4	7.6	5.4						-430907	SLU 35	-624430	-962923	0.078	Si
193	7.6	5.4	7.6	5.4						-285623	SLU 35	-472970	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	-81507	SLU 2	27802	962923	0.078	-145154	SLU 35	-326326	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	-6702	SLU 6	157280	962923	0.078	-11880	SLU 30	-184496	-962923	0.078	Si
249	7.6	5.4	7.6	5.4	56521	SLU 35	220214	962923	0.078	25742	SLU 2	-115387	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	184952	SLU 35	342469	962923	0.078						Si
295	7.6	5.4	10.48	5.4	308568	SLU 35	440921	1305076	0.084						Si
320	7.6	5.4	11.4	5.4	440921	SLU 35	440921	1414576	0.086						Si
340	7.6	5.4	11.4	5.4	541354	SLU 35	491273	1414576	0.086						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-1253545	SLV 13	-1209155	-2762053	0.125	Si
20	22.81	5.4	7.6	5.4						-1144219	SLV 13	-1144219	-2762053	0.125	Si
45	22.52	5.4	7.6	5.4						-1018041	SLV 15	-1144219	-2728674	0.123	Si
68	20.2	5.4	7.6	5.4						-917760	SLV 15	-1048802	-2455822	0.111	Si
91	15.92	5.4	7.6	5.4						-826886	SLV 15	-945332	-1950635	0.098	Si
102	11.81	5.4	7.6	5.4						-785155	SLV 7	-897550	-1463161	0.087	Si
125	7.6	5.4	7.6	5.4						-725955	SLV 7	-785155	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	-52892	SLV 9	128174	962923	0.078	-673369	SLV 7	-742153	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	88698	SLV 9	266425	962923	0.078	-626259	SLV 7	-687807	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	227748	SLV 9	401712	962923	0.078	-584016	SLV 7	-639207	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	363902	SLV 9	533838	962923	0.078	-546287	SLV 7	-595621	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	496942	SLV 9	662673	962923	0.078	-512850	SLV 7	-556636	-962923	0.078	Si
249	7.6	5.4	7.6	5.4	562246	SLV 9	725826	962923	0.078	-497694	SLV 7	-538786	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	690354	SLV 9	849560	962923	0.078	-470439	SLV 7	-506258	-962923	0.078	Si
295	7.6	5.4	10.48	5.4	815062	SLV 9	950263	1305076	0.084	-447191	SLV 7	-477853	-963292	0.079	Si
320	7.6	5.4	11.4	5.4	950263	SLV 9	950263	1414576	0.086	-425963	SLV 7	-450859	-963377	0.08	Si
340	7.6	5.4	11.4	5.4	1054047	SLV 9	1002651	1414576	0.086	-412488	SLV 7	-412488	-963377	0.08	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-1149191	SLD 13	-1099625	-2762053	0.125	Si
20	22.81	5.4	7.6	5.4						-1042543	SLD 13	-1042543	-2762053	0.125	Si
45	22.52	5.4	7.6	5.4						-915113	SLD 15	-1042543	-2728674	0.123	Si
68	20.2	5.4	7.6	5.4						-808890	SLD 15	-946629	-2455822	0.111	Si
91	15.92	5.4	7.6	5.4						-708868	SLD 15	-838419	-1950635	0.098	Si
102	11.81	5.4	7.6	5.4						-661275	SLD 7	-786827	-1463161	0.087	Si
125	7.6	5.4	7.6	5.4						-578326	SLD 7	-666289	-962923	0.078	Si
147	7.6	5.4	7.6	5.4						-500347	SLD 7	-601382	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	-110715	SLD 9	32221	962923	0.078	-426845	SLD 7	-522047	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	1286	SLD 9	139904	962923	0.078	-357555	SLD 7	-447304	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	109937	SLD 9	244121	962923	0.078	-292322	SLD 7	-376838	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	215143	SLD 9	344815	962923	0.078	-231051	SLD 7	-310468	-962923	0.078	Si
249	7.6	5.4	7.6	5.4	266432	SLD 9	393828	962923	0.078	-201881	SLD 7	-278782	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	366355	SLD 9	489165	962923	0.078	-146440	SLD 7	-218362	-962923	0.078	Si
295	7.6	5.4	10.48	5.4	462707	SLD 9	566055	1305076	0.084	-94836	SLD 7	-161830	-963292	0.079	Si
320	7.6	5.4	11.4	5.4	566055	SLD 9	566055	1414576	0.086	-41755	SLD 7	-103185	-963377	0.08	Si
340	7.6	5.4	11.4	5.4	644598	SLD 9	605679	1414576	0.086	-3039	SLD 7	-3039	-963377	0.08	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	20.2	0	7990	SLU 35	7990	12216	68363	0	12216	1	Si
20	0.06	18.06	0	7806	SLU 35	7806	11769	68363	7003	11769	1	Si
45	0.06	10.74	0	7572	SLU 35	7572	9899	68363	7003	9899	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
57	0.06	7.6	0	7467	SLU 35	7467	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	7362	SLU 35	7362	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	7153	SLU 35	7153	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	7049	SLU 35	7049	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	6839	SLU 35	6839	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	6630	SLU 35	6630	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	6421	SLU 35	6421	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	6211	SLU 35	6211	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	6002	SLU 35	6002	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	5793	SLU 35	5793	8821	68363	7003	8821	1	Si
249	0.06	7.6	0	5688	SLU 35	5688	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	5479	SLU 35	5479	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	5269	SLU 35	5269	8821	68363	7003	8821	1	Si
320	0.06	7.6	0	5035	SLU 35	5035	8821	68363	7003	8821	1	Si
340	0	7.6	0	4851	SLU 35	4851	8821	68363	0	8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	20.2	0	7512	SLV 9	8106	12216	68363	0	12216	1	Si
20	0.06	18.06	0	7370	SLV 9	7964	11769	68363	7003	11769	1	Si
45	0.06	10.74	0	7190	SLV 9	7784	9899	68363	7003	9899	1	Si
57	0.06	7.6	0	7109	SLV 9	7703	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	7029	SLV 9	7623	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	6868	SLV 9	7462	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	6787	SLV 9	7381	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	6626	SLV 9	7220	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	6465	SLV 9	7059	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	6304	SLV 9	6898	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	6143	SLV 9	6737	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	5982	SLV 9	6576	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	5821	SLV 9	6415	8821	68363	7003	8821	1	Si
249	0.06	7.6	0	5741	SLV 9	6334	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	5580	SLV 9	6173	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	5419	SLV 9	6012	8821	68363	7003	8821	1	Si
320	0.06	7.6	0	5239	SLV 9	5832	8821	68363	7003	8821	1	Si
340	0	7.6	0	5097	SLV 9	5690	8821	68363	0	8821	1	Si
340	0	7.6	0	530	SLV 7	-63	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	20.2	0	6236	SLD 9	6236	12216	68363	0	12216	1	Si
20	0.06	18.06	0	6094	SLD 9	6094	11769	68363	7003	11769	1	Si
45	0.06	10.74	0	5914	SLD 9	5914	9899	68363	7003	9899	1	Si
57	0.06	7.6	0	5833	SLD 9	5833	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	5753	SLD 9	5753	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	5592	SLD 9	5592	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	5511	SLD 9	5511	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	5350	SLD 9	5350	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	5189	SLD 9	5189	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	5028	SLD 9	5028	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	4867	SLD 9	4867	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	4706	SLD 9	4706	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	4545	SLD 9	4545	8821	68363	7003	8821	1	Si
249	0.06	7.6	0	4464	SLD 9	4464	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	4303	SLD 9	4303	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	4142	SLD 9	4142	8821	68363	7003	8821	1	Si
320	0.06	7.6	0	3962	SLD 9	3962	8821	68363	7003	8821	1	Si
340	0	7.6	0	3820	SLD 9	3820	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1260592	8	-1198555	36.8	124.5	922.7	1837	-1134884	1	-1078203	33.1	93.4	0	+∞	Si
20	-1139626	8	-1139626	35	124.5	877.3	1837	-1024475	1	-1024475	31.4	93.4	0	+∞	Si
45	-990352	8	-1139626	35.1	124.5	888	1837	-888575	1	-1024475	31.6	93.4	0	+∞	Si
68	-860788	8	-1027739	32.8	124.5	888.2	1837	-770976	1	-922581	29.4	93.4	0	+∞	Si
91	-734928	8	-897128	30.9	124.5	972.8	1837	-657081	1	-803936	27.7	93.4	0	+∞	Si
102	-673387	8	-833212	31.8	124.5	1203.3	1837	-601523	1	-746003	28.5	93.4	0	+∞	Si
125	-553082	8	-708157	18.5	124.5	276.8	1837	-493184	1	-632914	28.4	93.4	0	+∞	Si
147	-436482	8	-586807	15.3	124.5	229.4	1837	-388550	1	-523528	23.5	93.4	0	+∞	Si
170	-323586	8	-469160	12.2	124.5	183.4	1837	-287619	1	-417847	18.7	93.4	0	+∞	Si
193	-214394	8	-355217	9.3	124.5	138.8	1837	-190392	1	-315870	14.2	93.4	0	+∞	Si
215	-108905	8	-244979	6.4	124.5	95.8	1837	-96869	1	-217597	9.8	93.4	0	+∞	Si
238	-8708	3	-138444	3.6	124.5	54.1	1837	-7954	2	-123028	5.5	93.4	0	+∞	Si
249	42382	8	165010	4.3	124.5	64.5	1837	36470	1	143752	6.4	93.4	0	+∞	Si
272	138610	8	256488	6.7	124.5	100.3	1837	120733	1	223264	10	93.4	0	+∞	Si
295	231134	8	330077	13.1	124.5	534.9	1837	201291	1	286861	11.4	93.4	0	+∞	Si
320	330077	8	330077	12.8	124.5	493.1	1837	286861	1	286861	11.1	93.4	0	+∞	Si
340	405071	8	367695	14.2	124.5	549.3	1837	351297	1	319277	12.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.01	2	-0.011	2	9999	Si
45	-0.009	-0.011	-0.008	-0.01	-0.009	-0.01	-0.008	-0.009	-0.01	-0.01	-0.02	2	-0.022	2	9999	Si
68	-0.012	-0.015	-0.01	-0.013	-0.012	-0.013	-0.011	-0.012	-0.012	-0.013	-0.026	2	-0.028	2	9999	Si
91	-0.013	-0.016	-0.012	-0.015	-0.014	-0.015	-0.012	-0.013	-0.014	-0.015	-0.03	2	-0.032	2	9999	Si
102	-0.013	-0.017	-0.012	-0.015	-0.014	-0.015	-0.012	-0.014	-0.014	-0.015	-0.031	2	-0.033	2	9999	Si
125	-0.014	-0.017	-0.012	-0.015	-0.014	-0.016	-0.013	-0.014	-0.014	-0.015	-0.032	2	-0.034	2	9999	Si
147	-0.013	-0.016	-0.012	-0.015	-0.014	-0.015	-0.012	-0.013	-0.014	-0.015	-0.031	2	-0.033	2	9999	Si
170	-0.012	-0.015	-0.011	-0.013	-0.012	-0.014	-0.011	-0.012	-0.013	-0.013	-0.028	2	-0.03	2	9999	Si
193	-0.01	-0.013	-0.009	-0.012	-0.011	-0.012	-0.01	-0.011	-0.011	-0.012	-0.025	2	-0.027	2	9999	Si
215	-0.009	-0.011	-0.008	-0.01	-0.009	-0.01	-0.008	-0.009	-0.009	-0.01	-0.021	2	-0.022	2	9999	Si
238	-0.007	-0.008	-0.006	-0.008	-0.007	-0.008	-0.006	-0.007	-0.007	-0.008	-0.016	2	-0.017	2	9999	Si
249	-0.006	-0.007	-0.005	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.014	2	-0.015	2	9999	Si
272	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.01	2	-0.01	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
295	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.006	2	-0.006	2	9999	Si
320	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	5087	2877	11769	SLV 9	0.57	2474	1.666	-962087	-182132	-2762053	SLV 13	0.57	2474	1.666	Si
45	4907	2877	9899	SLV 9	0.57	2474	1.666	-691946	199564	963901	SLV 1	0.57	2474	1.666	Si
68	4746	2877	8821	SLV 9	0.51	1743	1.443	-615210	211676	963835	SLV 1	0.57	2474	1.666	Si
91	4585	2877	8821	SLV 9	0.53	1934	1.506	-483115	255311	963668	SLV 9	0.57	2474	1.666	Si
102	4504	2877	8821	SLV 9	0.53	2034	1.538	-433222	-277460	-1463161	SLV 7	0.57	2474	1.666	Si
125	4343	2877	8821	SLV 9	0.55	2244	1.601	-562942	-222214	-962923	SLV 7	0.57	2474	1.666	Si
147	4182	2877	8821	SLV 9	0.57	2466	1.664	-489669	-252484	-962923	SLV 7	0.57	2474	1.666	Si
170	4021	2877	8821	SLV 9	0.57	2474	1.666	-390569	-297238	-962923	SLV 7	0.57	2474	1.666	Si
193	3860	2877	8821	SLV 9	0.57	2474	1.666	-67416	-469128	-962923	SLV 7	0.57	2474	1.666	Si
215	3699	2877	8821	SLV 9	0.57	2474	1.666	14776	519063	962923	SLV 9	0.57	2474	1.666	Si
238	3538	2877	8821	SLV 9	0.57	2474	1.666	93263	569410	962923	SLV 9	0.54	2134	1.568	Si
249	3458	2877	8821	SLV 9	0.57	2474	1.666	131118	594708	962923	SLV 9	0.5	1686	1.424	Si
272	3297	2877	8821	SLV 9	0.57	2474	1.666	204049	645511	962923	SLV 9	0.42	1063	1.179	Si
295	3135	2877	8821	SLV 9	0.57	2474	1.666	262150	688113	1305076	SLV 9	0.54	2090	1.555	Si
320	2956	2877	8821	SLV 9	0.57	2474	1.666	262150	688113	1414576	SLV 9	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	5087	1007	11769	SLD 9	0.6	2474	4.193	-962087	-80456	-2762053	SLD 13	0.6	2474	4.193	Si
45	4907	1007	9899	SLD 9	0.6	2474	4.193	-691946	88288	963901	SLD 1	0.6	2474	4.193	Si
68	4746	1007	8821	SLD 9	0.54	2035	3.87	-615210	93658	963835	SLD 1	0.6	2474	4.193	Si
91	4585	1007	8821	SLD 9	0.56	2258	4.039	-483115	112962	963668	SLD 9	0.6	2474	4.193	Si
102	4504	1007	8821	SLD 9	0.56	2373	4.122	-433222	-122745	-1463161	SLD 7	0.6	2474	4.193	Si
125	4343	1007	8821	SLD 9	0.58	2474	4.193	-562942	-98333	-962923	SLD 7	0.54	2064	3.893	Si
147	4182	1007	8821	SLD 9	0.6	2474	4.193	-489669	-111713	-962923	SLD 7	0.56	2299	4.069	Si
170	4021	1007	8821	SLD 9	0.6	2474	4.193	-390569	-131478	-962923	SLD 7	0.57	2474	4.193	Si
193	3860	1007	8821	SLD 9	0.6	2474	4.193	-67416	-207320	-962923	SLD 7	0.57	2423	4.157	Si
215	3699	1007	8821	SLD 9	0.6	2474	4.193	14776	229345	962923	SLD 9	0.55	2155	3.962	Si
238	3538	1007	8821	SLD 9	0.6	2474	4.193	93263	251552	962923	SLD 9	0.46	1337	3.258	Si
249	3458	1007	8821	SLD 9	0.6	2474	4.193	131118	262710	962923	SLD 9	0.42	1058	2.96	Si
272	3297	1007	8821	SLD 9	0.6	2474	4.193	204049	285115	962923	SLD 9	0.36	686	2.478	Si
295	3135	1007	8821	SLD 9	0.6	2474	4.193	262150	303905	1305076	SLD 9	0.46	1311	3.232	Si
320	2956	1007	8821	SLD 9	0.6	2474	4.193	262150	303905	1414576	SLD 9	0.5	1710	3.604	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 47-13

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 47 - 24, sezione R 40x70, asta 1125

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-215188	SLU 30	-178066	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	-41346	SLU 1	14145	962923	0.078	-144034	SLU 30	-144034	-962923	0.078	Si
47	7.6	5.4	7.6	5.4	-3269	SLU 19	49372	962923	0.078	-103120	SLU 12	-144034	-962923	0.078	Si
94	7.6	5.4	7.6	5.4	78987	SLU 19	119151	962923	0.078	-22773	SLU 12	-70803	-962923	0.078	Si
141	7.6	5.4	7.6	5.4	141001	SLU 19	168688	962923	0.078						Si
189	7.6	5.4	7.6	5.4	182772	SLU 19	197983	962923	0.078						Si
212	7.6	5.4	7.6	5.4	196067	SLU 19	205040	962923	0.078						Si
259	7.6	5.4	7.6	5.4	207475	SLU 19	207475	962923	0.078						Si
307	7.6	5.4	7.6	5.4	198641	SLU 19	206027	962923	0.078						Si
354	7.6	5.4	7.6	5.4	181034	SLU 29	192069	962923	0.078						Si
401	7.6	5.4	7.6	5.4	147795	SLU 29	170224	962923	0.078						Si
448	7.6	5.4	7.6	5.4	94313	SLU 29	129219	962923	0.078	37571	SLU 8	-6953	-962923	0.078	Si
495	7.6	5.4	7.6	5.4	33519	SLU 11	67971	962923	0.078	-43387	SLU 26	-109339	-962923	0.078	Si
542	7.6	5.4	7.6	5.4	-33893	SLU 11	9151	962923	0.078	-153539	SLU 26	-232099	-962923	0.078	Si
566	7.6	5.4	7.6	5.4						-216312	SLU 22	-301115	-962923	0.078	Si
613	7.6	5.4	7.6	5.4						-357048	SLU 22	-454329	-962923	0.078	Si
660	7.6	5.4	7.6	5.4						-518028	SLU 22	-620255	-962923	0.078	Si
687	7.6	5.4	7.6	5.4						-620255	SLU 22	-620255	-962923	0.078	Si
707	7.6	5.4	7.6	5.4						-699249	SLU 22	-659005	-962923	0.078	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	586270	SLV 11	586270	962923	0.078	-845647	SLV 5	-795535	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	591689	SLV 11	592801	962923	0.078	-747610	SLV 5	-747610	-962923	0.078	Si
47	7.6	5.4	7.6	5.4	592801	SLV 11	592801	962923	0.078	-680313	SLV 5	-747610	-962923	0.078	Si
94	7.6	5.4	7.6	5.4	583917	SLV 11	590867	962923	0.078	-530705	SLV 5	-621405	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
141	7.6	5.4	7.6	5.4	559749	SLV 11	576100	962923	0.078	-396956	SLV 5	-477862	-962923	0.078	Si
189	7.6	5.4	7.6	5.4	520639	SLV 11	546149	962923	0.078	-279406	SLV 5	-350277	-962923	0.078	Si
212	7.6	5.4	7.6	5.4	495751	SLV 11	525616	962923	0.078	-226977	SLV 5	-292605	-962923	0.078	Si
259	7.6	5.4	7.6	5.4	436920	SLV 11	474198	962923	0.078	-136418	SLV 5	-190265	-962923	0.078	Si
307	7.6	5.4	7.6	5.4	370192	SLV 7	411891	962923	0.078	-69105	SLV 9	-108178	-962923	0.078	Si
354	7.6	5.4	7.6	5.4	295461	SLV 7	342531	962923	0.078	-24931	SLV 9	-50181	-962923	0.078	Si
401	7.6	5.4	7.6	5.4	238582	SLV 3	263488	962923	0.078	-29752	SLV 13	-65958	-962923	0.078	Si
448	7.6	5.4	7.6	5.4	215325	SLV 1	229404	962923	0.078	-99335	SLV 15	-167142	-962923	0.078	Si
495	7.6	5.4	7.6	5.4	206178	SLV 1	211829	962923	0.078	-214171	SLV 15	-296485	-962923	0.078	Si
542	7.6	5.4	7.6	5.4	187214	SLV 1	200280	962923	0.078	-350331	SLV 15	-442776	-962923	0.078	Si
566	7.6	5.4	7.6	5.4	172211	SLV 1	189839	962923	0.078	-424568	SLV 15	-521937	-962923	0.078	Si
613	7.6	5.4	7.6	5.4	130816	SLV 1	157795	962923	0.078	-585011	SLV 15	-692133	-962923	0.078	Si
660	7.6	5.4	7.6	5.4	74085	SLV 1	110529	962923	0.078	-761259	SLV 15	-870156	-962923	0.078	Si
687	7.6	5.4	7.6	5.4	34164	SLV 1	76534	962923	0.078	-870156	SLV 15	-870156	-962923	0.078	Si
707	7.6	5.4	7.6	5.4	8435	SLV 5	8435	962923	0.078	-959730	SLV 11	-913537	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	186466	SLD 11	186466	962923	0.078	-445842	SLD 5	-408611	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	217752	SLD 11	245176	962923	0.078	-373672	SLD 5	-373672	-962923	0.078	Si
47	7.6	5.4	7.6	5.4	237348	SLD 11	260640	962923	0.078	-324860	SLD 5	-373672	-962923	0.078	Si
94	7.6	5.4	7.6	5.4	272728	SLD 11	286493	962923	0.078	-219516	SLD 5	-282944	-962923	0.078	Si
141	7.6	5.4	7.6	5.4	292664	SLD 11	296980	962923	0.078	-129871	SLD 5	-183615	-962923	0.078	Si
189	7.6	5.4	7.6	5.4	297307	SLD 11	297307	962923	0.078	-56074	SLD 5	-100027	-962923	0.078	Si
212	7.6	5.4	7.6	5.4	294013	SLD 11	297307	962923	0.078	-25238	SLD 5	-64196	-962923	0.078	Si
259	7.6	5.4	7.6	5.4	276905	SLD 11	288732	962923	0.078	23596	SLD 5	-4799	-962923	0.078	Si
307	7.6	5.4	7.6	5.4	247621	SLD 7	266756	962923	0.078						Si
354	7.6	5.4	7.6	5.4	206108	SLD 7	232975	962923	0.078						Si
401	7.6	5.4	7.6	5.4	163783	SLD 3	186217	962923	0.078						Si
448	7.6	5.4	7.6	5.4	127546	SLD 1	150620	962923	0.078	-11556	SLD 15	-62006	-962923	0.078	Si
495	7.6	5.4	7.6	5.4	88912	SLD 1	113556	962923	0.078	-96905	SLD 15	-159138	-962923	0.078	Si
542	7.6	5.4	7.6	5.4	37262	SLD 1	70540	962923	0.078	-200379	SLD 15	-272442	-962923	0.078	Si
566	7.6	5.4	7.6	5.4	5736	SLD 1	43710	962923	0.078	-258094	SLD 15	-335010	-962923	0.078	Si
613	7.6	5.4	7.6	5.4						-385329	SLD 15	-471911	-962923	0.078	Si
660	7.6	5.4	7.6	5.4						-528237	SLD 15	-617893	-962923	0.078	Si
687	7.6	5.4	7.6	5.4						-617893	SLD 15	-617893	-962923	0.078	Si
707	7.6	5.4	7.6	5.4						-689199	SLD 11	-652386	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2729	SLU 29	2729	8821	68363	0	8821	1	Si
28	0.061	7.6	0	2479	SLU 29	2479	8821	68363	7074	8821	1	Si
47	0.061	7.6	0	2300	SLU 29	2300	8821	68363	7074	8821	1	Si
94	0.061	7.6	0	1870	SLU 29	1870	8821	68363	7074	8821	1	Si
141	0.061	7.6	0	1441	SLU 29	1441	8821	68363	7074	8821	1	Si
189	0.061	7.6	0	1012	SLU 29	1012	8821	68363	7074	8821	1	Si
212	0.061	7.6	0	797	SLU 29	797	8821	68363	7074	8821	1	Si
259	0.061	7.6	0	386	SLU 11	386	8821	68363	7074	8821	1	Si
307	0.061	7.6	0	56	SLU 11	56	8821	68363	7074	8821	1	Si
307	0.061	7.6	0	-409	SLU 22	-409	-8821	-68363	-7074	-8821	1	Si
354	0.061	7.6	0	-838	SLU 22	-838	-8821	-68363	-7074	-8821	1	Si
401	0.061	7.6	0	-1267	SLU 22	-1267	-8821	-68363	-7074	-8821	1	Si
448	0.061	7.6	0	-1696	SLU 22	-1696	-8821	-68363	-7074	-8821	1	Si
495	0.061	7.6	0	-2126	SLU 22	-2126	-8821	-68363	-7074	-8821	1	Si
542	0.061	7.6	0	-2555	SLU 22	-2555	-8821	-68363	-7074	-8821	1	Si
566	0.061	7.6	0	-2769	SLU 22	-2769	-8821	-68363	-7074	-8821	1	Si
613	0.061	7.6	0	-3199	SLU 22	-3199	-8821	-68363	-7074	-8821	1	Si
660	0.061	7.6	0	-3628	SLU 22	-3628	-8821	-68363	-7074	-8821	1	Si
687	0.061	7.6	0	-3875	SLU 22	-3875	-8821	-68363	-7074	-8821	1	Si
707	0	7.6	0	-4057	SLU 22	-4057	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3678	SLV 5	4118	8821	68363	0	8821	1	Si
0	0	7.6	0	296	SLV 11	-144	-8821	-68363	0	-8821	1	Si
28	0.061	7.6	0	3486	SLV 5	3925	8821	68363	7074	8821	1	Si
28	0.061	7.6	0	104	SLV 11	-336	-8821	-68363	-7074	-8821	1	Si
47	0.061	7.6	0	3348	SLV 5	3788	8821	68363	7074	8821	1	Si
47	0.061	7.6	0	-34	SLV 11	-474	-8821	-68363	-7074	-8821	1	Si
94	0.061	7.6	0	3018	SLV 5	3457	8821	68363	7074	8821	1	Si
94	0.061	7.6	0	-364	SLV 11	-804	-8821	-68363	-7074	-8821	1	Si
141	0.061	7.6	0	2688	SLV 5	3127	8821	68363	7074	8821	1	Si
141	0.061	7.6	0	-694	SLV 11	-1134	-8821	-68363	-7074	-8821	1	Si
189	0.061	7.6	0	2357	SLV 5	2797	8821	68363	7074	8821	1	Si
189	0.061	7.6	0	-1024	SLV 11	-1464	-8821	-68363	-7074	-8821	1	Si
212	0.061	7.6	0	2192	SLV 5	2632	8821	68363	7074	8821	1	Si
212	0.061	7.6	0	-1190	SLV 11	-1629	-8821	-68363	-7074	-8821	1	Si
259	0.061	7.6	0	1862	SLV 5	2302	8821	68363	7074	8821	1	Si
259	0.061	7.6	0	-1520	SLV 11	-1959	-8821	-68363	-7074	-8821	1	Si
307	0.061	7.6	0	1532	SLV 5	1972	8821	68363	7074	8821	1	Si
307	0.061	7.6	0	-1850	SLV 11	-2289	-8821	-68363	-7074	-8821	1	Si
354	0.061	7.6	0	1202	SLV 5	1642	8821	68363	7074	8821	1	Si
354	0.061	7.6	0	-2180	SLV 11	-2620	-8821	-68363	-7074	-8821	1	Si
401	0.061	7.6	0	872	SLV 5	1311	8821	68363	7074	8821	1	Si
401	0.061	7.6	0	-2510	SLV 11	-2950	-8821	-68363	-7074	-8821	1	Si
448	0.061	7.6	0	542	SLV 5	981	8821	68363	7074	8821	1	Si
448	0.061	7.6	0	-2840	SLV 11	-3280	-8821	-68363	-7074	-8821	1	Si
495	0.061	7.6	0	211	SLV 5	651	8821	68363	7074	8821	1	Si
495	0.061	7.6	0	-3170	SLV 11	-3610	-8821	-68363	-7074	-8821	1	Si
542	0.061	7.6	0	-119	SLV 5	321	8821	68363	7074	8821	1	Si
542	0.061	7.6	0	-3501	SLV 11	-3940	-8821	-68363	-7074	-8821	1	Si
566	0.061	7.6	0	-284	SLV 5	156	8821	68363	7074	8821	1	Si
566	0.061	7.6	0	-3666	SLV 11	-4105	-8821	-68363	-7074	-8821	1	Si
613	0.061	7.6	0	-3996	SLV 11	-4435	-8821	-68363	-7074	-8821	1	Si
660	0.061	7.6	0	-4326	SLV 11	-4766	-8821	-68363	-7074	-8821	1	Si
687	0.061	7.6	0	-4516	SLV 11	-4956	-8821	-68363	-7074	-8821	1	Si
707	0	7.6	0	-4656	SLV 11	-5096	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2733	SLD 5	2733	8821	68363	0	8821	1	Si
28	0.061	7.6	0	2541	SLD 5	2541	8821	68363	7074	8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
47	0.061	7.6	0	2403	SLD 5	2403	8821	68363	7074	8821	1	Si
94	0.061	7.6	0	2073	SLD 5	2073	8821	68363	7074	8821	1	Si
141	0.061	7.6	0	1743	SLD 5	1743	8821	68363	7074	8821	1	Si
189	0.061	7.6	0	1413	SLD 5	1413	8821	68363	7074	8821	1	Si
189	0.061	7.6	0	-80	SLD 11	-80	-8821	-68363	-7074	-8821	1	Si
212	0.061	7.6	0	1248	SLD 5	1248	8821	68363	7074	8821	1	Si
212	0.061	7.6	0	-245	SLD 11	-245	-8821	-68363	-7074	-8821	1	Si
259	0.061	7.6	0	918	SLD 5	918	8821	68363	7074	8821	1	Si
259	0.061	7.6	0	-575	SLD 11	-575	-8821	-68363	-7074	-8821	1	Si
307	0.061	7.6	0	588	SLD 5	588	8821	68363	7074	8821	1	Si
307	0.061	7.6	0	-905	SLD 11	-905	-8821	-68363	-7074	-8821	1	Si
354	0.061	7.6	0	257	SLD 5	257	8821	68363	7074	8821	1	Si
354	0.061	7.6	0	-1235	SLD 11	-1235	-8821	-68363	-7074	-8821	1	Si
401	0.061	7.6	0	-1566	SLD 11	-1566	-8821	-68363	-7074	-8821	1	Si
448	0.061	7.6	0	-1896	SLD 11	-1896	-8821	-68363	-7074	-8821	1	Si
495	0.061	7.6	0	-2226	SLD 11	-2226	-8821	-68363	-7074	-8821	1	Si
542	0.061	7.6	0	-2556	SLD 11	-2556	-8821	-68363	-7074	-8821	1	Si
566	0.061	7.6	0	-2721	SLD 11	-2721	-8821	-68363	-7074	-8821	1	Si
613	0.061	7.6	0	-3051	SLD 11	-3051	-8821	-68363	-7074	-8821	1	Si
660	0.061	7.6	0	-3381	SLD 11	-3381	-8821	-68363	-7074	-8821	1	Si
687	0.061	7.6	0	-3572	SLD 11	-3572	-8821	-68363	-7074	-8821	1	Si
707	0	7.6	0	-3712	SLD 11	-3712	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-150636	3	-122707	3.2	124.5	48	1837	-129688	2	-102636	4.6	93.4	0	+∞	Si
28	-97155	3	-97155	2.5	124.5	38	1837	-77960	2	-77960	3.5	93.4	0	+∞	Si
47	-61696	3	-97155	2.5	124.5	38	1837	-43756	2	-77960	3.5	93.4	0	+∞	Si
94	48381	1	80764	2.1	124.5	31.6	1837	48381	1	80764	3.6	93.4	0	+∞	Si
141	98497	1	121282	3.2	124.5	47.4	1837	98497	1	121282	5.4	93.4	0	+∞	Si
189	133041	1	146229	3.8	124.5	57.2	1837	133041	1	146229	6.6	93.4	0	+∞	Si
212	144474	1	152864	4	124.5	59.7	1837	144474	1	152864	6.9	93.4	0	+∞	Si
259	155663	1	155663	4.1	124.5	60.8	1837	155663	1	155663	7	93.4	0	+∞	Si
307	151280	1	155475	4.1	124.5	60.8	1837	151280	1	155475	7	93.4	0	+∞	Si
354	137890	2	146880	3.8	124.5	57.4	1837	135265	2	146175	6.6	93.4	0	+∞	Si
401	110158	2	128744	3.4	124.5	50.3	1837	104415	2	124923	5.6	93.4	0	+∞	Si
448	66854	2	95038	2.5	124.5	37.1	1837	57995	2	88100	4	93.4	0	+∞	Si
495	7980	2	45761	1.2	124.5	17.9	1837								Si
495	-24806	8	-74045	1.9	124.5	28.9	1837	-21960	1	-71155	3.2	93.4	0	+∞	Si
542	-107115	8	-166038	4.3	124.5	64.9	1837	-104197	1	-162989	7.3	93.4	0	+∞	Si
566	-154178	4	-217904	5.7	124.5	85.2	1837	-151155	1	-214746	9.6	93.4	0	+∞	Si
613	-259991	4	-333314	8.7	124.5	130.3	1837	-256749	1	-329937	14.8	93.4	0	+∞	Si
660	-381375	4	-458602	12	124.5	179.3	1837	-377914	1	-455015	20.4	93.4	0	+∞	Si
687	-458602	4	-458602	12	124.5	179.3	1837	-455015	1	-455015	20.4	93.4	0	+∞	Si
707	-518329	4	-487891	12.7	124.5	190.7	1837	-514649	1	-484257	21.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
28	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
47	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	1	0.006	1	9999	Si
94	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.015	1	0.014	1	9999	Si
141	0.01	0.009	0.008	0.008	0.01	0.009	0.008	0.008	0.01	0.009	0.021	1	0.02	1	9999	Si
189	0.012	0.011	0.01	0.01	0.012	0.012	0.01	0.01	0.012	0.012	0.026	1	0.026	1	9999	Si
212	0.013	0.012	0.011	0.01	0.013	0.013	0.011	0.011	0.013	0.013	0.028	1	0.028	1	9999	Si
259	0.014	0.013	0.012	0.011	0.014	0.014	0.012	0.012	0.014	0.014	0.03	2	0.03	2	9999	Si
283	0.014	0.013	0.012	0.011	0.014	0.014	0.012	0.011	0.014	0.014	0.031	2	0.03	2	9999	Si
307	0.014	0.013	0.012	0.011	0.014	0.013	0.012	0.011	0.014	0.014	0.031	2	0.029	2	9999	Si
354	0.014	0.012	0.011	0.01	0.013	0.012	0.011	0.01	0.013	0.012	0.028	2	0.026	2	9999	Si
401	0.012	0.01	0.01	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.024	2	0.021	2	9999	Si
448	0.009	0.007	0.007	0.005	0.009	0.007	0.007	0.005	0.009	0.007	0.017	2	0.014	2	9999	Si
495	0.006	0.004	0.005	0.002	0.006	0.004	0.004	0.003	0.005	0.004	0.01	2	0.007	2	9999	Si
542	0.003	0.001	0.002	0	0.003	0.001	0.002	0	0.002	0.001	0.003	2	0	2	9999	Si
566	0.002	-0.001	0.001	-0.001	0.001	0	0	-0.001	0.001	0	0	2	-0.003	2	9999	Si
613	0	-0.002	-0.001	-0.003	-0.001	-0.002	-0.001	-0.003	-0.001	-0.002	-0.004	2	-0.007	2	9999	Si
660	-0.001	-0.002	-0.001	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.006	2	9999	Si
687	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.004	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	1795	2131	8821	SLV 5	0.57	2474	1.666	-77960	-669649	-962923	SLV 5	0.47	1449	1.338	Si
47	1657	2131	8821	SLV 5	0.57	2474	1.666	-77960	-669649	-962923	SLV 5	0.47	1449	1.338	Si
94	1327	2131	8821	SLV 5	0.57	2474	1.666	-15269	-606136	-962923	SLV 5	0.56	2271	1.609	Si
141	997	2131	8821	SLV 5	0.57	2474	1.666	49119	526981	962923	SLV 11	0.57	2474	1.666	Si
189	666	2131	8821	SLV 5	0.57	2474	1.666	97936	448213	962923	SLV 11	0.57	2474	1.666	Si
212	501	2131	8821	SLV 5	0.57	2474	1.666	116506	409111	962923	SLV 11	0.57	2474	1.666	Si
259	171	2131	8821	SLV 5	0.57	2474	1.666	141966	332231	962923	SLV 11	0.57	2474	1.666	Si
307	-159	-2131	-8821	SLV 11	0.57	2474	1.666	151856	260035	962923	SLV 11	0.57	2474	1.666	Si
354	-489	-2131	-8821	SLV 11	0.57	2474	1.666	146175	196356	962923	SLV 7	0.57	2474	1.666	Si
401	-819	-2131	-8821	SLV 11	0.57	2474	1.666	124923	138565	962923	SLV 7	0.57	2474	1.666	Si
448	-1149	-2131	-8821	SLV 11	0.57	2474	1.666	21279	-188421	-962923	SLV 15	0.57	2474	1.666	Si
495	-1479	-2131	-8821	SLV 11	0.57	2474	1.666	-50309	-246176	-962923	SLV 15	0.57	2474	1.666	Si
542	-1810	-2131	-8821	SLV 11	0.57	2474	1.666	-137469	-305307	-962923	SLV 15	0.57	2474	1.666	Si
566	-1975	-2131	-8821	SLV 11	0.57	2474	1.666	-186888	-335049	-962923	SLV 15	0.57	2474	1.666	Si
613	-2305	-2131	-8821	SLV 11	0.57	2474	1.666	-297404	-394729	-962923	SLV 15	0.57	2474	1.666	Si
660	-2635	-2131	-8821	SLV 11	0.57	2474	1.666	-417996	-452160	-962923	SLV 15	0.43	1135	1.211	Si
687	-2825	-2131	-8821	SLV 11	0.57	2474	1.666	-417996	-452160	-962923	SLV 15	0.43	1135	1.211	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	1795	746	8821	SLD 5	0.6	2474	4.193	-77960	-295712	-962923	SLD 5	0.4	914	2.787	Si
47	1657	746	8821	SLD 5	0.6	2474	4.193	-77960	-295712	-962923	SLD 5	0.4	914	2.787	Si
94	1327	746	8821	SLD 5	0.6	2474	4.193	-15269	-267675	-962923	SLD 5	0.47	1423	3.342	Si
141	997	746	8821	SLD 5	0.6	2474	4.193	49119	232734	962923	SLD 11	0.52	1877	3.744	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
189	666	746	8821	SLD 5	0.6	2474	4.193	120616	176691	962923	SLD 11	0.6	2474	4.193	Si
212	501	746	8821	SLD 5	0.6	2474	4.193	120616	176691	962923	SLD 11	0.6	2474	4.193	Si
259	171	746	8821	SLD 5	0.6	2474	4.193	141966	146766	962923	SLD 11	0.6	2474	4.193	Si
307	-159	-746	-8821	SLD 11	0.6	2474	4.193	151856	114900	962923	SLD 11	0.6	2474	4.193	Si
354	-489	-746	-8821	SLD 11	0.6	2474	4.193	146175	86800	962923	SLD 7	0.6	2474	4.193	Si
401	-819	-746	-8821	SLD 11	0.6	2474	4.193	124923	61294	962923	SLD 7	0.6	2474	4.193	Si
448	-1149	-746	-8821	SLD 11	0.6	2474	4.193	21279	83286	962923	SLD 1	0.6	2474	4.193	Si
495	-1479	-746	-8821	SLD 11	0.6	2474	4.193	-50309	-108829	-962923	SLD 15	0.6	2474	4.193	Si
542	-1810	-746	-8821	SLD 11	0.6	2474	4.193	-137469	-134973	-962923	SLD 15	0.6	2474	4.193	Si
566	-1975	-746	-8821	SLD 11	0.6	2474	4.193	-186888	-148123	-962923	SLD 15	0.6	2474	4.193	Si
613	-2305	-746	-8821	SLD 11	0.6	2474	4.193	-297404	-174507	-962923	SLD 15	0.51	1736	3.626	Si
660	-2635	-746	-8821	SLD 11	0.6	2474	4.193	-417996	-199897	-962923	SLD 15	0.37	728	2.539	Si
687	-2825	-746	-8821	SLD 11	0.6	2474	4.193	-417996	-199897	-962923	SLD 15	0.37	728	2.539	Si

Campata 2 tra i fili 24 - 13, sezione R 40x70, asta 1126

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-453210	SLU 22	-422705	-962923	0.078	Si
20	7.6	5.4	7.6	5.4						-394795	SLU 22	-394795	-962923	0.078	Si
45	7.6	5.4	7.6	5.4						-325921	SLU 22	-394795	-962923	0.078	Si
68	7.6	5.4	7.6	5.4						-269502	SLU 22	-342869	-962923	0.078	Si
91	7.6	5.4	7.6	5.4						-217899	SLU 22	-285089	-962923	0.078	Si
102	7.6	5.4	7.6	5.4	-7927	SLU 11	2445	962923	0.078	-193904	SLU 22	-258006	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	773	SLU 11	6394	962923	0.078	-149526	SLU 22	-207452	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	5768	SLU 11	7058	962923	0.078	-109966	SLU 22	-161715	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	7058	SLU 11	7058	962923	0.078	-75222	SLU 22	-120794	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	4642	SLU 11	7058	962923	0.078	-45294	SLU 22	-84690	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	-876	SLU 12	6064	962923	0.078	-21388	SLU 19	-53403	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	1662	SLU 8	20169	962923	0.078	-11608	SLU 29	-29439	-962923	0.078	Si
261	7.6	5.4	7.6	5.4	16823	SLU 26	29457	962923	0.078	-24835	SLU 11	-47722	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	22749	SLU 26	32295	962923	0.078	-32990	SLU 11	-58252	-962923	0.078	Si
295	7.6	5.4	7.6	5.4	30989	SLU 26	34412	962923	0.078	-52079	SLU 11	-77884	-962923	0.078	Si
320	7.6	5.4	7.6	5.4	34390	SLU 26	34412	962923	0.078	-77884	SLU 11	-77884	-962923	0.078	Si
340	7.6	5.4	7.6	5.4	33018	SLU 26	33018	962923	0.078	-101372	SLU 11	-88787	-962923	0.078	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	405351	SLV 7	379012	962923	0.078	-882093	SLV 9	-818714	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	351646	SLV 7	351646	962923	0.078	-758016	SLV 9	-758016	-962923	0.078	Si
45	7.6	5.4	7.6	5.4	279797	SLV 7	351646	962923	0.078	-604911	SLV 9	-758016	-962923	0.078	Si
68	7.6	5.4	7.6	5.4	211742	SLV 7	298273	962923	0.078	-472158	SLV 9	-643220	-962923	0.078	Si
91	7.6	5.4	7.6	5.4	145771	SLV 3	231198	962923	0.078	-348898	SLV 13	-509355	-962923	0.078	Si
102	7.6	5.4	7.6	5.4	133028	SLV 3	196375	962923	0.078	-310290	SLV 13	-443916	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	106280	SLV 3	140223	962923	0.078	-237369	SLV 13	-332089	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	106276	SLV 1	177150	962923	0.078	-198602	SLV 15	-257484	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	148715	SLV 5	276958	962923	0.078	-209689	SLV 11	-308801	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	249005	SLV 5	375199	962923	0.078	-286037	SLV 11	-392602	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	347646	SLV 5	472109	962923	0.078	-368148	SLV 11	-482483	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	444924	SLV 5	567558	962923	0.078	-456304	SLV 11	-578313	-962923	0.078	Si
261	7.6	5.4	7.6	5.4	540839	SLV 5	661052	962923	0.078	-550509	SLV 11	-679600	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	588161	SLV 5	706891	962923	0.078	-599754	SLV 11	-732113	-962923	0.078	Si
295	7.6	5.4	7.6	5.4	681171	SLV 5	781957	962923	0.078	-702169	SLV 11	-822405	-962923	0.078	Si
320	7.6	5.4	7.6	5.4	781957	SLV 5	781957	962923	0.078	-822405	SLV 11	-822405	-962923	0.078	Si
340	7.6	5.4	7.6	5.4	858977	SLV 5	814190	962923	0.078	-921015	SLV 11	-863937	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	46276	SLD 7	44965	962923	0.078	-523018	SLD 9	-484668	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	42167	SLD 7	42167	962923	0.078	-448537	SLD 9	-448537	-962923	0.078	Si
45	7.6	5.4	7.6	5.4	33074	SLD 7	42167	962923	0.078	-358187	SLD 9	-448537	-962923	0.078	Si
68	7.6	5.4	7.6	5.4	21037	SLD 7	35708	962923	0.078	-281452	SLD 9	-380656	-962923	0.078	Si
91	7.6	5.4	7.6	5.4	7871	SLD 3	24689	962923	0.078	-210997	SLD 13	-302846	-962923	0.078	Si
102	7.6	5.4	7.6	5.4	9448	SLD 3	17835	962923	0.078	-186709	SLD 13	-265376	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	10484	SLD 3	26908	962923	0.078	-141573	SLD 13	-200423	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	21246	SLD 1	63246	962923	0.078	-113572	SLD 15	-153963	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	48643	SLD 5	113462	962923	0.078	-109618	SLD 11	-145305	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	99658	SLD 5	160916	962923	0.078	-136690	SLD 11	-178319	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	147873	SLD 5	205714	962923	0.078	-168374	SLD 11	-216088	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	193417	SLD 5	247799	962923	0.078	-204797	SLD 11	-258555	-962923	0.078	Si
261	7.6	5.4	7.6	5.4	236292	SLD 5	286954	962923	0.078	-245961	SLD 11	-305501	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	256673	SLD 5	305354	962923	0.078	-268266	SLD 11	-330576	-962923	0.078	Si
295	7.6	5.4	7.6	5.4	295163	SLD 5	334289	962923	0.078	-316161	SLD 11	-374737	-962923	0.078	Si
320	7.6	5.4	7.6	5.4	334289	SLD 5	334289	962923	0.078	-374737	SLD 11	-374737	-962923	0.078	Si
340	7.6	5.4	7.6	5.4	362311	SLD 5	345940	962923	0.078	-424350	SLD 11	-395687	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2976	SLU 22	2976	8821	68363	0	8821	1	Si
20	0.06	7.6	0	2791	SLU 22	2791	8821	68363	7001	8821	1	Si
45	0.06	7.6	0	2557	SLU 22	2557	8821	68363	7001	8821	1	Si
68	0.06	7.6	0	2348	SLU 22	2348	8821	68363	7001	8821	1	Si
91	0.06	7.6	0	2138	SLU 22	2138	8821	68363	7001	8821	1	Si
102	0.06	7.6	0	2034	SLU 22	2034	8821	68363	7001	8821	1	Si
125	0.06	7.6	0	1824	SLU 22	1824	8821	68363	7001	8821	1	Si
147	0.06	7.6	0	1615	SLU 22	1615	8821	68363	7001	8821	1	Si
170	0.06	7.6	0	1405	SLU 22	1405	8821	68363	7001	8821	1	Si
170	0.06	7.6	0	-24	SLU 11	-24	-8821	-68363	-7001	-8821	1	Si
193	0.06	7.6	0	1196	SLU 22	1196	8821	68363	7001	8821	1	Si
193	0.06	7.6	0	-186	SLU 11	-186	-8821	-68363	-7001	-8821	1	Si
215	0.06	7.6	0	987	SLU 22	987	8821	68363	7001	8821	1	Si
215	0.06	7.6	0	-347	SLU 11	-347	-8821	-68363	-7001	-8821	1	Si
238	0.06	7.6	0	777	SLU 22	777	8821	68363	7001	8821	1	Si
238	0.06	7.6	0	-508	SLU 11	-508	-8821	-68363	-7001	-8821	1	Si
261	0.06	7.6	0	568	SLU 22	568	8821	68363	7001	8821	1	Si
261	0.06	7.6	0	-669	SLU 11	-669	-8821	-68363	-7001	-8821	1	Si
272	0.06	7.6	0	463	SLU 22	463	8821	68363	7001	8821	1	Si
272	0.06	7.6	0	-749	SLU 11	-749	-8821	-68363	-7001	-8821	1	Si
295	0.06	7.6	0	254	SLU 22	254	8821	68363	7001	8821	1	Si
295	0.06	7.6	0	-910	SLU 11	-910	-8821	-68363	-7001	-8821	1	Si
320	0.06	7.6	0	20	SLU 22	20	8821	68363	7001	8821	1	Si
320	0.06	7.6	0	-1090	SLU 11	-1090	-8821	-68363	-7001	-8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
340	0	7.6	0	-1232	SLU 11	-1232	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	6212	SLV 9	7357	8821	68363	0	8821	1	Si
0	0	7.6	0	-2594	SLV 7	-3739	-8821	-68363	0	-8821	1	Si
20	0.06	7.6	0	6070	SLV 9	7215	8821	68363	7001	8821	1	Si
20	0.06	7.6	0	-2737	SLV 7	-3881	-8821	-68363	-7001	-8821	1	Si
45	0.06	7.6	0	5890	SLV 9	7035	8821	68363	7001	8821	1	Si
45	0.06	7.6	0	-2917	SLV 7	-4061	-8821	-68363	-7001	-8821	1	Si
68	0.06	7.6	0	5729	SLV 9	6874	8821	68363	7001	8821	1	Si
68	0.06	7.6	0	-3078	SLV 7	-4222	-8821	-68363	-7001	-8821	1	Si
91	0.06	7.6	0	5568	SLV 9	6713	8821	68363	7001	8821	1	Si
91	0.06	7.6	0	-3239	SLV 7	-4383	-8821	-68363	-7001	-8821	1	Si
102	0.06	7.6	0	5487	SLV 9	6632	8821	68363	7001	8821	1	Si
102	0.06	7.6	0	-3319	SLV 7	-4464	-8821	-68363	-7001	-8821	1	Si
125	0.06	7.6	0	5326	SLV 9	6471	8821	68363	7001	8821	1	Si
125	0.06	7.6	0	-3480	SLV 7	-4625	-8821	-68363	-7001	-8821	1	Si
147	0.06	7.6	0	5165	SLV 9	6310	8821	68363	7001	8821	1	Si
147	0.06	7.6	0	-3641	SLV 7	-4786	-8821	-68363	-7001	-8821	1	Si
170	0.06	7.6	0	5004	SLV 9	6149	8821	68363	7001	8821	1	Si
170	0.06	7.6	0	-3802	SLV 7	-4947	-8821	-68363	-7001	-8821	1	Si
193	0.06	7.6	0	4843	SLV 9	5988	8821	68363	7001	8821	1	Si
193	0.06	7.6	0	-3963	SLV 7	-5108	-8821	-68363	-7001	-8821	1	Si
215	0.06	7.6	0	4682	SLV 9	5827	8821	68363	7001	8821	1	Si
215	0.06	7.6	0	-4124	SLV 7	-5269	-8821	-68363	-7001	-8821	1	Si
238	0.06	7.6	0	4521	SLV 9	5666	8821	68363	7001	8821	1	Si
238	0.06	7.6	0	-4285	SLV 7	-5430	-8821	-68363	-7001	-8821	1	Si
261	0.06	7.6	0	4360	SLV 9	5505	8821	68363	7001	8821	1	Si
261	0.06	7.6	0	-4447	SLV 7	-5591	-8821	-68363	-7001	-8821	1	Si
272	0.06	7.6	0	4279	SLV 9	5424	8821	68363	7001	8821	1	Si
272	0.06	7.6	0	-4527	SLV 7	-5672	-8821	-68363	-7001	-8821	1	Si
295	0.06	7.6	0	4118	SLV 9	5263	8821	68363	7001	8821	1	Si
295	0.06	7.6	0	-4688	SLV 7	-5833	-8821	-68363	-7001	-8821	1	Si
320	0.06	7.6	0	3938	SLV 9	5083	8821	68363	7001	8821	1	Si
320	0.06	7.6	0	-4868	SLV 7	-6013	-8821	-68363	-7001	-8821	1	Si
340	0	7.6	0	3796	SLV 9	4941	8821	68363	0	8821	1	Si
340	0	7.6	0	-5010	SLV 7	-6155	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3755	SLD 9	3755	8821	68363	0	8821	1	Si
0	0	7.6	0	-138	SLD 7	-138	-8821	-68363	0	-8821	1	Si
20	0.06	7.6	0	3613	SLD 9	3613	8821	68363	7001	8821	1	Si
20	0.06	7.6	0	-280	SLD 7	-280	-8821	-68363	-7001	-8821	1	Si
45	0.06	7.6	0	3433	SLD 9	3433	8821	68363	7001	8821	1	Si
45	0.06	7.6	0	-460	SLD 7	-460	-8821	-68363	-7001	-8821	1	Si
68	0.06	7.6	0	3272	SLD 9	3272	8821	68363	7001	8821	1	Si
68	0.06	7.6	0	-621	SLD 7	-621	-8821	-68363	-7001	-8821	1	Si
91	0.06	7.6	0	3111	SLD 9	3111	8821	68363	7001	8821	1	Si
91	0.06	7.6	0	-782	SLD 7	-782	-8821	-68363	-7001	-8821	1	Si
102	0.06	7.6	0	3030	SLD 9	3030	8821	68363	7001	8821	1	Si
102	0.06	7.6	0	-862	SLD 7	-862	-8821	-68363	-7001	-8821	1	Si
125	0.06	7.6	0	2869	SLD 9	2869	8821	68363	7001	8821	1	Si
125	0.06	7.6	0	-1023	SLD 7	-1023	-8821	-68363	-7001	-8821	1	Si
147	0.06	7.6	0	2708	SLD 9	2708	8821	68363	7001	8821	1	Si
147	0.06	7.6	0	-1185	SLD 7	-1185	-8821	-68363	-7001	-8821	1	Si
170	0.06	7.6	0	2547	SLD 9	2547	8821	68363	7001	8821	1	Si
170	0.06	7.6	0	-1346	SLD 7	-1346	-8821	-68363	-7001	-8821	1	Si
193	0.06	7.6	0	2386	SLD 9	2386	8821	68363	7001	8821	1	Si
193	0.06	7.6	0	-1507	SLD 7	-1507	-8821	-68363	-7001	-8821	1	Si
215	0.06	7.6	0	2225	SLD 9	2225	8821	68363	7001	8821	1	Si
215	0.06	7.6	0	-1668	SLD 7	-1668	-8821	-68363	-7001	-8821	1	Si
238	0.06	7.6	0	2064	SLD 9	2064	8821	68363	7001	8821	1	Si
238	0.06	7.6	0	-1829	SLD 7	-1829	-8821	-68363	-7001	-8821	1	Si
261	0.06	7.6	0	1903	SLD 9	1903	8821	68363	7001	8821	1	Si
261	0.06	7.6	0	-1990	SLD 7	-1990	-8821	-68363	-7001	-8821	1	Si
272	0.06	7.6	0	1823	SLD 9	1823	8821	68363	7001	8821	1	Si
272	0.06	7.6	0	-2070	SLD 7	-2070	-8821	-68363	-7001	-8821	1	Si
295	0.06	7.6	0	1662	SLD 9	1662	8821	68363	7001	8821	1	Si
295	0.06	7.6	0	-2231	SLD 7	-2231	-8821	-68363	-7001	-8821	1	Si
320	0.06	7.6	0	1481	SLD 9	1481	8821	68363	7001	8821	1	Si
320	0.06	7.6	0	-2411	SLD 7	-2411	-8821	-68363	-7001	-8821	1	Si
340	0	7.6	0	1339	SLD 9	1339	8821	68363	0	8821	1	Si
340	0	7.6	0	-2553	SLD 7	-2553	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-314460	4	-292485	7.6	124.5	114.3	1837	-306753	1	-285178	12.8	93.4	0	+∞	Si
20	-272463	4	-272463	7.1	124.5	106.5	1837	-265546	1	-265546	11.9	93.4	0	+∞	Si
45	-223205	4	-272463	7.1	124.5	106.5	1837	-217289	1	-265546	11.9	93.4	0	+∞	Si
68	-183136	4	-235302	6.1	124.5	92	1837	-178116	1	-229133	10.3	93.4	0	+∞	Si
91	-146771	4	-194186	5.1	124.5	75.9	1837	-142647	1	-188913	8.5	93.4	0	+∞	Si
102	-129979	4	-175018	4.6	124.5	68.4	1837	-126302	1	-170193	7.6	93.4	0	+∞	Si
125	-99172	4	-139460	3.6	124.5	54.5	1837	-96391	1	-135531	6.1	93.4	0	+∞	Si
147	-72070	4	-107607	2.8	124.5	42.1	1837	-70186	1	-104574	4.7	93.4	0	+∞	Si
170	-48674	4	-79460	2.1	124.5	31.1	1837	-47685	1	-77322	3.5	93.4	0	+∞	Si
193	-28983	4	-55017	1.4	124.5	21.5	1837	-28890	1	-53776	2.4	93.4	0	+∞	Si
215	-13800	1	-34280	0.9	124.5	13.4	1837	-13800	1	-33934	1.5	93.4	0	+∞	Si
238	116	8	10318	0.3	124.5	4	1837								Si
238	-7874	2	-17798	0.5	124.5	7	1837	-5690	2	-17798	0.8	93.4	0	+∞	Si
261	8684	8	14134	0.4	124.5	5.5	1837	5265	1	9577	0.4	93.4	0	+∞	Si
261	-11568	2	-21841	0.6	124.5	8.5	1837	-4835	2	-9274	0.4	93.4	0	+∞	Si
272	11578	8	14653	0.4	124.5	5.7	1837	7716	1	9838	0.4	93.4	0	+∞	Si
272	-14805	2	-27453	0.7	124.5	10.7	1837	-5796	2	-12611	0.6	93.4	0	+∞	Si
295	14588	8	14703	0.4	124.5	5.7	1837	9838	1	9838	0.4	93.4	0	+∞	Si
295	-24057	2	-38867	1	124.5	15.2	1837	-10499	2	-20224	0.9	93.4	0	+∞	Si
320	13483	8	14703	0.4	124.5	5.7	1837	7741	1	9838	0.4	93.4	0	+∞	Si
320	-38867	2	-38867	1	124.5	15.2	1837	-20224	2	-20224	0.9	93.4	0	+∞	Si
340	9492	8	9492	0.2	124.5	3.7	1837	2966	1	2966	0.1	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
340	-53676	2	-45494	1.2	124.5	17.8	1837	-31019	2	-24873	1.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.003	2	9999	Si
45	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si
68	-0.001	-0.003	-0.001	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	2	-0.007	2	9999	Si
91	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	2	-0.008	2	9999	Si
102	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	2	-0.008	2	9999	Si
113	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	2	-0.008	2	9999	Si
125	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	2	-0.008	2	9999	Si
147	-0.001	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	2	-0.007	2	9999	Si
170	-0.001	-0.003	-0.001	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	2	-0.007	2	9999	Si
193	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.006	2	9999	Si
215	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.004	2	-0.005	2	9999	Si
238	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	2	-0.004	2	9999	Si
261	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
272	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.003	2	9999	Si
295	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
320	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1667	5548	8821	SLV 9	0.46	1358	1.303	-203185	-554831	-962923	SLV 9	0.49	1593	1.391	Si
45	1487	5548	8821	SLV 9	0.47	1450	1.339	-203185	-554831	-962923	SLV 9	0.49	1593	1.391	Si
68	1326	5548	8821	SLV 9	0.48	1537	1.371	-172474	-470747	-962923	SLV 9	0.57	2474	1.666	Si
91	1165	5548	8821	SLV 9	0.49	1626	1.403	-139079	-370277	-962923	SLV 9	0.57	2474	1.666	Si
102	1084	5548	8821	SLV 9	0.5	1673	1.419	-123770	-320146	-962923	SLV 9	0.57	2474	1.666	Si
125	923	5548	8821	SLV 9	0.51	1766	1.451	-95933	-236156	-962923	SLV 13	0.57	2474	1.666	Si
147	762	5548	8821	SLV 9	0.52	1866	1.484	-26846	-203996	-962923	SLV 11	0.57	2474	1.666	Si
170	601	5548	8821	SLV 9	0.53	1967	1.517	-15921	-292880	-962923	SLV 11	0.57	2474	1.666	Si
193	440	5548	8821	SLV 9	0.54	2072	1.55	-8702	-383900	-962923	SLV 11	0.57	2474	1.666	Si
215	279	5548	8821	SLV 9	0.55	2180	1.582	-5187	-477296	-962923	SLV 11	0.57	2474	1.666	Si
238	118	5548	8821	SLV 9	0.56	2292	1.615	-5378	-572936	-962923	SLV 11	0.57	2474	1.666	Si
261	-43	-5548	-8821	SLV 7	0.56	2344	1.63	-9274	-670326	-962923	SLV 11	0.51	1765	1.451	Si
272	-124	-5548	-8821	SLV 7	0.56	2287	1.614	-12611	-719502	-962923	SLV 11	0.47	1447	1.337	Si
295	-285	-5548	-8821	SLV 7	0.55	2176	1.581	-20224	-802181	-962923	SLV 11	0.42	1062	1.178	Si
320	-465	-5548	-8821	SLV 7	0.54	2055	1.544	-20224	-802181	-962923	SLV 11	0.42	1062	1.178	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1667	1946	8821	SLD 9	0.49	1573	3.482	-203185	-245352	-962923	SLD 9	0.42	996	2.887	Si
45	1487	1946	8821	SLD 9	0.5	1681	3.579	-203185	-245352	-962923	SLD 9	0.42	996	2.887	Si
68	1326	1946	8821	SLD 9	0.51	1781	3.664	-172474	-208182	-962923	SLD 9	0.5	1715	3.608	Si
91	1165	1946	8821	SLD 9	0.52	1885	3.751	-139079	-163767	-962923	SLD 9	0.6	2474	4.193	Si
102	1084	1946	8821	SLD 9	0.53	1940	3.795	-123770	-141605	-962923	SLD 9	0.6	2474	4.193	Si
125	923	1946	8821	SLD 9	0.54	2050	3.882	-95933	-104490	-962923	SLD 13	0.6	2474	4.193	Si
147	762	1946	8821	SLD 9	0.55	2163	3.968	-26846	-90092	-962923	SLD 11	0.6	2474	4.193	Si
170	601	1946	8821	SLD 9	0.56	2281	4.056	-15921	-129383	-962923	SLD 11	0.6	2474	4.193	Si
193	440	1946	8821	SLD 9	0.57	2402	4.142	-8702	-169617	-962923	SLD 11	0.6	2474	4.193	Si
215	279	1946	8821	SLD 9	0.58	2474	4.193	-5187	-210901	-962923	SLD 11	0.6	2474	4.193	Si
238	118	1946	8821	SLD 9	0.59	2474	4.193	-5378	-253177	-962923	SLD 11	0.5	1698	3.593	Si
261	-43	-1946	-8821	SLD 7	0.59	2474	4.193	-9274	-296227	-962923	SLD 11	0.43	1106	3.014	Si
272	-124	-1946	-8821	SLD 7	0.59	2474	4.193	-12611	-317965	-962923	SLD 11	0.4	912	2.785	Si
295	-285	-1946	-8821	SLD 7	0.58	2474	4.193	-20224	-354513	-962923	SLD 11	0.36	685	2.477	Si
320	-465	-1946	-8821	SLD 7	0.57	2383	4.129	-20224	-354513	-962923	SLD 11	0.36	685	2.477	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 50-54

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 50 - ?, sezione R 40x70, asta 1195

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	125641	SLU 17	125641	1865107	0.093	-31856	SLU 20	-24761	-1414287	0.085	Si
20	11.4	5.4	15.21	5.4	215177	SLU 35	324651	1865107	0.093						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
23	11.4	5.4	15.21	5.4	228907	SLU 35	333668	1865107	0.093						Si
46	11.23	5.4	15.21	5.4	315422	SLU 35	390898	1865104	0.093						Si
69	10.14	5.4	15.21	5.4	378767	SLU 35	424956	1865229	0.093						Si
92	7.6	5.4	15.21	5.4	418940	SLU 35	435943	1865528	0.096						Si
103	7.6	5.4	15.21	5.4	430338	SLU 35	435943	1865528	0.096						Si
126	7.6	5.4	15.21	5.4	435755	SLU 35	435943	1865528	0.096						Si
149	7.6	5.4	12.11	5.4	418002	SLU 35	435854	1498865	0.088						Si
161	7.6	5.4	7.6	5.4	400436	SLU 35	432931	962923	0.078						Si
172	7.6	5.4	7.6	5.4	377078	SLU 35	424216	962923	0.078						Si
195	7.6	5.4	7.6	5.4	312983	SLU 35	389407	962923	0.078						Si
218	7.6	5.4	7.6	5.4	231991	SLU 24	331427	962923	0.078						Si
241	7.6	5.4	7.6	5.4	139389	SLU 19	253303	962923	0.078	69501	SLU 14	-71289	-962923	0.078	Si
264	11.6	5.4	7.6	5.4	32330	SLU 19	163497	963394	0.08	-38459	SLU 18	-226605	-1438202	0.087	Si
276	12.69	5.4	7.6	5.4	-29054	SLU 19	115350	963478	0.08	-100657	SLU 18	-316207	-1566889	0.089	Si
299	14.86	5.4	7.6	5.4	-139056	SLU 1	3346	963613	0.08	-267469	SLU 36	-485044	-1824061	0.095	Si
322	15.21	5.4	7.6	5.4						-457934	SLU 36	-485044	-1865528	0.096	Si
325	15.21	5.4	7.6	5.4						-485044	SLU 36	-485044	-1865528	0.096	Si
345	15.21	5.4	7.6	5.4						-671331	SLU 36	-574207	-1865528	0.096	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	1500381	SLV 13	1480972	1865107	0.093	-1490883	SLV 3	-1384467	-1414287	0.085	Si
20	11.4	5.4	15.21	5.4	1453540	SLV 13	1453540	1865107	0.093	-1285734	SLV 3	-1285734	-1414287	0.085	Si
23	11.4	5.4	15.21	5.4	1445634	SLV 13	1453540	1865107	0.093	-1255845	SLV 3	-1285734	-1414287	0.085	Si
46	11.23	5.4	15.21	5.4	1371634	SLV 13	1453540	1865104	0.093	-1040196	SLV 3	-1285734	-1393541	0.085	Si
69	10.14	5.4	15.21	5.4	1281109	SLV 13	1392256	1865229	0.093	-841294	SLV 3	-1096006	-1265040	0.084	Si
92	7.6	5.4	15.21	5.4	1174146	SLV 13	1306088	1865528	0.096	-659222	SLV 3	-892680	-963633	0.08	Si
103	7.6	5.4	15.21	5.4	1114553	SLV 13	1256823	1865528	0.096	-574551	SLV 3	-797312	-963633	0.08	Si
126	7.6	5.4	15.21	5.4	983392	SLV 13	1146008	1865528	0.096	-418186	SLV 3	-619243	-963633	0.08	Si
149	7.6	5.4	12.11	5.4	837142	SLV 15	1019047	1498865	0.088	-280000	SLV 1	-458297	-963435	0.08	Si
172	7.6	5.4	7.6	5.4	678293	SLV 15	876676	962923	0.078	-162486	SLV 1	-315211	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	508534	SLV 15	720936	962923	0.078	-67331	SLV 1	-192025	-962923	0.078	Si
218	7.6	5.4	7.6	5.4	325933	SLV 15	554108	962923	0.078	7396	SLV 1	-91022	-962923	0.078	Si
241	7.6	5.4	7.6	5.4	203569	SLV 11	375008	962923	0.078	-11383	SLV 5	-233687	-962923	0.078	Si
264	11.6	5.4	7.6	5.4	187355	SLV 3	234536	963394	0.08	-169582	SLV 13	-485840	-1438202	0.087	Si
276	12.69	5.4	7.6	5.4	209125	SLV 3	246416	963478	0.08	-291034	SLV 13	-618428	-1566889	0.089	Si
299	14.86	5.4	7.6	5.4	241158	SLV 3	257437	963613	0.08	-547384	SLV 13	-858103	-1824061	0.095	Si
322	15.21	5.4	7.6	5.4	256982	SLV 3	257437	963633	0.08	-820795	SLV 13	-858103	-1865528	0.096	Si
325	15.21	5.4	7.6	5.4	257437	SLV 3	257437	963633	0.08	-858103	SLV 13	-858103	-1865528	0.096	Si
345	15.21	5.4	7.6	5.4	256539	SLV 3	256539	963633	0.08	-1110811	SLV 13	-981743	-1865528	0.096	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	666201	SLD 13	666201	1865107	0.093	-656704	SLD 3	-585378	-1414287	0.085	Si
20	11.4	5.4	15.21	5.4	689637	SLD 13	699050	1865107	0.093	-521831	SLD 3	-521831	-1414287	0.085	Si
23	11.4	5.4	15.21	5.4	692272	SLD 13	699050	1865107	0.093	-502482	SLD 3	-521831	-1414287	0.085	Si
46	11.23	5.4	15.21	5.4	699050	SLD 13	699050	1865104	0.093	-367612	SLD 3	-521831	-1393541	0.085	Si
69	10.14	5.4	15.21	5.4	689242	SLD 13	699050	1865229	0.093	-249427	SLD 3	-402106	-1265040	0.084	Si
92	7.6	5.4	15.21	5.4	662886	SLD 13	692924	1865528	0.096	-147962	SLD 3	-279516	-963633	0.08	Si
103	7.6	5.4	15.21	5.4	643527	SLD 13	683995	1865528	0.096	-103524	SLD 3	-224483	-963633	0.08	Si
126	7.6	5.4	15.21	5.4	592552	SLD 13	653745	1865528	0.096	-27346	SLD 3	-126980	-963633	0.08	Si
149	7.6	5.4	12.11	5.4	525627	SLD 15	607077	1498865	0.088	31515	SLD 1	-46327	-963435	0.08	Si
161	7.6	5.4	7.6	5.4	486503	SLD 15	570639	962923	0.078	54129	SLD 1	-5373	-962923	0.078	Si
172	7.6	5.4	7.6	5.4	443852	SLD 15	544316	962923	0.078						Si
195	7.6	5.4	7.6	5.4	347976	SLD 15	466365	962923	0.078						Si
218	7.6	5.4	7.6	5.4	237138	SLD 15	374233	962923	0.078						Si
241	7.6	5.4	7.6	5.4	143630	SLD 11	267393	962923	0.078	48556	SLD 5	-113010	-962923	0.078	Si
264	11.6	5.4	7.6	5.4	87759	SLD 3	163535	963394	0.08	-69986	SLD 13	-284892	-1438202	0.087	Si
276	12.69	5.4	7.6	5.4	69589	SLD 3	126431	963478	0.08	-151499	SLD 13	-377190	-1566889	0.089	Si
299	14.86	5.4	7.6	5.4	21200	SLD 3	79180	963613	0.08	-327426	SLD 13	-546951	-1824061	0.095	Si
322	15.21	5.4	7.6	5.4	-43638	SLD 3	35048	963633	0.08	-520174	SLD 13	-546951	-1865528	0.096	Si
325	15.21	5.4	7.6	5.4	-53715	SLD 3	28203	963633	0.08	-546951	SLD 13	-546951	-1865528	0.096	Si
345	15.21	5.4	7.6	5.4						-729434	SLD 13	-635405	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	5874	SLU 34	5874	11113	68363	0	11113	1	Si
20	0.101	15.21	0	4675	SLU 20	4675	11113	68363	11671	11671	1	Si
23	0.101	15.21	0	4519	SLU 20	4519	11113	68363	11671	11671	1	Si
46	0.101	15.21	0	3608	SLU 20	3608	11113	68363	11671	11671	1	Si
69	0.101	13.66	0	2697	SLU 20	2697	10724	68363	11671	11671	1	Si
92	0.104	7.6	0	1786	SLU 20	1786	8821	68363	12025	12025	1	Si
103	0.104	7.6	0	1331	SLU 20	1331	8821	68363	12025	12025	1	Si
126	0.104	7.6	0	420	SLU 20	420	8821	68363	12025	12025	1	Si
126	0.104	7.6	0	-404	SLU 17	-404	-8821	-68363	-12025	-12025	1	Si
149	0.104	7.6	0	-1276	SLU 35	-1276	-8821	-68363	-12025	-12025	1	Si
172	0.104	7.6	0	-2283	SLU 35	-2283	-8821	-68363	-12025	-12025	1	Si
195	0.104	7.6	0	-3290	SLU 35	-3290	-8821	-68363	-12025	-12025	1	Si
218	0.104	7.6	0	-4298	SLU 35	-4298	-8821	-68363	-12025	-12025	1	Si
241	0.104	7.6	0	-5305	SLU 35	-5305	-8821	-68363	-12025	-12025	1	Si
264	0.129	7.6	0	-6313	SLU 35	-6313	-8821	-68363	-15005	-15005	1	Si
276	0.129	7.6	0	-6816	SLU 35	-6816	-8821	-68363	-15005	-15005	1	Si
299	0.129	7.6	0	-7824	SLU 35	-7824	-8821	-68363	-15005	-15005	1	Si
322	0.129	7.6	0	-8831	SLU 35	-8831	-8821	-68363	-15005	-15005	1	Si
325	0.129	11.6	0	-8963	SLU 35	-8963	-10155	-68363	-15005	-15005	1	Si
345	0	12.69	0	-9755	SLU 35	-9755	-10462	-68363	0	-10462	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.14	0	10741	SLV 3	12381	9711	68363	0	9711	1	Si
0	0	15.21	0	-1875	SLV 13	-3516	-11113	-68363	0	-11113	1	Si
20	0.101	9.6	0	9873	SLV 3	11514	9535	68363	11671	11671	1	Si
20	0.101	15.21	0	-2743	SLV 13	-4383	-11113	-68363	-11671	-11671	1	Si
23	0.101	7.6	0	9749	SLV 3	11389	8821	68363	11671	11671	1	Si
23	0.101	15.21	0	-2867	SLV 13	-4508	-11113	-68363	-11671	-11671	1	Si
46	0.101	7.6	0	9026	SLV 3	10666	8821	68363	11671	11671	1	Si
46	0.101	15.21	0	-3591	SLV 13	-5231	-11113	-68363	-11671	-11671	1	Si
69	0.101	7.6	0	8303	SLV 3	9943	8821	68363	11671	11671	1	Si
69	0.101	13.66	0	-4314	SLV 13	-5954	-10724	-68363	-11671	-11671	1	Si
92	0.104	7.6	0	7579	SLV 3	9220	8821	68363	12025	12025	1	Si
92	0.104	7.6	0	-5037	SLV 13	-6677	-8821	-68363	-12025	-12025	1	Si
103	0.104	7.6	0	7218	SLV 3	8858	8821	68363	12025	12025	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
103	0.104	7.6	0	-5399	SLV 13	-7039	-8821	-68363	-12025	-12025	1	Si
126	0.104	7.6	0	6495	SLV 3	8135	8821	68363	12025	12025	1	Si
126	0.104	7.6	0	-6122	SLV 13	-7762	-8821	-68363	-12025	-12025	1	Si
149	0.104	7.6	0	5771	SLV 3	7412	8821	68363	12025	12025	1	Si
149	0.104	7.6	0	-6845	SLV 13	-8485	-8821	-68363	-12025	-12025	1	Si
172	0.104	7.6	0	5048	SLV 3	6688	8821	68363	12025	12025	1	Si
172	0.104	7.6	0	-7569	SLV 13	-9209	-8821	-68363	-12025	-12025	1	Si
195	0.104	7.6	0	4325	SLV 3	5965	8821	68363	12025	12025	1	Si
195	0.104	7.6	0	-8292	SLV 13	-9932	-8821	-68363	-12025	-12025	1	Si
218	0.104	7.6	0	3602	SLV 3	5242	8821	68363	12025	12025	1	Si
218	0.104	7.6	0	-9015	SLV 13	-10655	-8821	-68363	-12025	-12025	1	Si
241	0.104	7.6	0	2878	SLV 3	4518	8821	68363	12025	12025	1	Si
241	0.104	7.6	0	-9738	SLV 13	-11378	-8821	-68363	-12025	-12025	1	Si
264	0.129	7.6	0	2155	SLV 3	3795	8821	68363	15005	15005	1	Si
264	0.129	7.6	0	-10462	SLV 13	-12102	-8821	-68363	-15005	-15005	1	Si
276	0.129	7.6	0	1793	SLV 3	3434	8821	68363	15005	15005	1	Si
276	0.129	7.6	0	-10823	SLV 13	-12463	-8821	-68363	-15005	-15005	1	Si
299	0.129	7.6	0	1070	SLV 3	2710	8821	68363	15005	15005	1	Si
299	0.129	7.6	0	-11546	SLV 13	-13187	-8821	-68363	-15005	-15005	1	Si
322	0.129	7.6	0	347	SLV 3	1987	8821	68363	15005	15005	1	Si
322	0.129	7.6	0	-12270	SLV 13	-13910	-8821	-68363	-15005	-15005	1	Si
325	0.129	7.6	0	253	SLV 3	1893	8821	68363	15005	15005	1	Si
325	0.129	11.6	0	-12364	SLV 13	-14004	-10155	-68363	-15005	-15005	1	Si
333	0	7.6	0	-15	SLV 3	1625	8821	68363	0	8821	1	Si
333	0	11.6	0	-12631	SLV 13	-14271	-10155	-68363	0	-10155	1	Si
345	0	7.6	0	-309	SLV 3	1331	8821	68363	0	8821	1	Si
345	0	12.69	0	-12926	SLV 13	-14566	-10462	-68363	0	-10462	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.14	0	7223	SLD 3	7223	9711	68363	0	9711	1	Si
20	0.101	9.6	0	6355	SLD 3	6355	9535	68363	11671	11671	1	Si
23	0.101	7.6	0	6231	SLD 3	6231	8821	68363	11671	11671	1	Si
46	0.101	7.6	0	5507	SLD 3	5507	8821	68363	11671	11671	1	Si
46	0.101	15.21	0	-72	SLD 13	-72	-11113	-68363	-11671	-11671	1	Si
69	0.101	7.6	0	4784	SLD 3	4784	8821	68363	11671	11671	1	Si
69	0.101	13.66	0	-795	SLD 13	-795	-10724	-68363	-11671	-11671	1	Si
92	0.104	7.6	0	4061	SLD 3	4061	8821	68363	12025	12025	1	Si
92	0.104	7.6	0	-1519	SLD 13	-1519	-8821	-68363	-12025	-12025	1	Si
103	0.104	7.6	0	3699	SLD 3	3699	8821	68363	12025	12025	1	Si
103	0.104	7.6	0	-1880	SLD 13	-1880	-8821	-68363	-12025	-12025	1	Si
126	0.104	7.6	0	2976	SLD 3	2976	8821	68363	12025	12025	1	Si
126	0.104	7.6	0	-2603	SLD 13	-2603	-8821	-68363	-12025	-12025	1	Si
149	0.104	7.6	0	2253	SLD 3	2253	8821	68363	12025	12025	1	Si
149	0.104	7.6	0	-3327	SLD 13	-3327	-8821	-68363	-12025	-12025	1	Si
172	0.104	7.6	0	1530	SLD 3	1530	8821	68363	12025	12025	1	Si
172	0.104	7.6	0	-4050	SLD 13	-4050	-8821	-68363	-12025	-12025	1	Si
195	0.104	7.6	0	806	SLD 3	806	8821	68363	12025	12025	1	Si
195	0.104	7.6	0	-4773	SLD 13	-4773	-8821	-68363	-12025	-12025	1	Si
218	0.104	7.6	0	83	SLD 3	83	8821	68363	12025	12025	1	Si
218	0.104	7.6	0	-5496	SLD 13	-5496	-8821	-68363	-12025	-12025	1	Si
241	0.104	7.6	0	-6220	SLD 13	-6220	-8821	-68363	-12025	-12025	1	Si
264	0.129	7.6	0	-6943	SLD 13	-6943	-8821	-68363	-15005	-15005	1	Si
276	0.129	7.6	0	-7305	SLD 13	-7305	-8821	-68363	-15005	-15005	1	Si
299	0.129	7.6	0	-8028	SLD 13	-8028	-8821	-68363	-15005	-15005	1	Si
322	0.129	7.6	0	-8751	SLD 13	-8751	-8821	-68363	-15005	-15005	1	Si
325	0.129	11.6	0	-8845	SLD 13	-8845	-10155	-68363	-15005	-15005	1	Si
345	0	12.69	0	-9407	SLD 13	-9407	-10462	-68363	0	-10462	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	72411	8	72411	2.4	124.5	81.7	1837	15707	1	15707	0.5	93.4	0	+∞	Si
0	-2557	2	-2557	0.1	124.5	3.8	1837								Si
20	149348	8	234392	7.7	124.5	264.4	1837	94331	1	183163	6.1	93.4	0	+∞	Si
23	159960	8	241448	8	124.5	272.3	1837	105243	1	190694	6.3	93.4	0	+∞	Si
46	227171	8	286562	9.5	124.5	323.3	1837	175456	1	239882	8	93.4	0	+∞	Si
69	276899	8	314191	10.6	124.5	354.9	1837	229035	1	272436	9.2	93.4	0	+∞	Si
92	309142	8	324337	11.3	124.5	367.6	1837	265979	1	288355	10.1	93.4	0	+∞	Si
103	318708	8	324725	11.4	124.5	368	1837	278212	1	290204	10.1	93.4	0	+∞	Si
126	324725	8	324725	11.4	124.5	368	1837	290204	1	290204	10.1	93.4	0	+∞	Si
149	313259	8	324725	12.3	124.5	457.7	1837	285561	1	290204	11	93.4	0	+∞	Si
172	284309	8	317439	8.3	124.5	124.1	1837	264283	1	287884	12.9	93.4	0	+∞	Si
195	237875	8	293103	7.6	124.5	114.6	1837	226370	1	270996	12.2	93.4	0	+∞	Si
218	176149	6	251283	6.5	124.5	98.2	1837	171823	1	237474	10.7	93.4	0	+∞	Si
241	100641	1	193464	5	124.5	75.6	1837	100641	1	187316	8.4	93.4	0	+∞	Si
264	12824	1	120524	3	124.5	46.1	1837	12824	1	120524	5.1	93.4	0	+∞	Si
264	-10925	9	-160567	6.2	124.5	235.9	1837								Si
276	-66569	9	-227260	8.5	124.5	306.4	1837	-40955	2	-186006	6.9	93.4	0	+∞	Si
299	-190968	9	-353069	12.4	124.5	409.2	1837	-153113	2	-300333	10.6	93.4	0	+∞	Si
322	-332852	9	-353069	12.3	124.5	400.2	1837	-281906	2	-300333	10.5	93.4	0	+∞	Si
325	-353069	9	-353069	12.3	124.5	400.2	1837	-300333	2	-300333	10.5	93.4	0	+∞	Si
345	-492031	9	-419550	14.7	124.5	475.5	1837	-427136	2	-360890	12.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
23	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si
46	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.004	0.005	0.005	0.009	1	0.009	1	9999	Si
69	0.007	0.006	0.006	0.005	0.007	0.006	0.005	0.005	0.007	0.006	0.013	1	0.013	1	9999	Si
92	0.009	0.008	0.007	0.006	0.008	0.008	0.007	0.006	0.008	0.008	0.016	1	0.016	1	9999	Si
103	0.01	0.008	0.008	0.007	0.009	0.008	0.007	0.007	0.009	0.009	0.017	1	0.017	1	9999	Si
126	0.011	0.009	0.008	0.007	0.01	0.009	0.008	0.007	0.01	0.009	0.019	1	0.018	1	9999	Si
149	0.011	0.009	0.009	0.007	0.01	0.01	0.008	0.007	0.01	0.01	0.02	1	0.019	1	9999	Si
172	0.011	0.009	0.008	0.007	0.01	0.009	0.008	0.007	0.01	0.009	0.019	1	0.019	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
195	0.01	0.009	0.008	0.007	0.009	0.009	0.007	0.007	0.009	0.009	0.018	1	0.017	1	9999	Si
218	0.008	0.008	0.006	0.006	0.008	0.008	0.006	0.006	0.008	0.008	0.016	1	0.015	1	9999	Si
241	0.007	0.006	0.005	0.005	0.007	0.006	0.005	0.005	0.007	0.006	0.013	1	0.012	1	9999	Si
264	0.005	0.005	0.004	0.003	0.005	0.005	0.004	0.003	0.005	0.005	0.009	1	0.009	1	9999	Si
276	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	1	0.007	1	9999	Si
299	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
322	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
325	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	1	0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	3565	7948	11671	SLV 3	0.37	746	1.019	83903	-1369637	-1414287	SLV 3	0.4	885	1.093	Si
23	3441	7948	11671	SLV 3	0.38	774	1.035	83903	-1369637	-1414287	SLV 3	0.4	885	1.093	Si
46	2718	7948	11671	SLV 3	0.41	951	1.126	83903	-1369637	-1393541	SLV 3	0.39	856	1.078	Si
69	1994	7948	11671	SLV 3	0.44	1166	1.224	148125	-1244131	-1265040	SLV 3	0.41	971	1.136	Si
92	1271	7948	12025	SLV 3	0.49	1543	1.373	206704	-1099384	-963633	SLV 3	0.39	829	1.064	Si
103	910	7948	12025	SLV 3	0.5	1685	1.424	229756	-1027067	-963633	SLV 3	0.42	1031	1.164	Si
126	186	7948	12025	SLV 3	0.53	1995	1.526	263383	-882625	-963633	SLV 3	0.5	1659	1.415	Si
149	-537	-7948	-12025	SLV 13	0.52	1841	1.476	280375	738672	1498865	SLV 13	0.57	2474	1.666	Si
172	-1260	-7948	-12025	SLV 13	0.49	1547	1.375	280733	595944	962923	SLV 15	0.41	991	1.145	Si
195	-1983	-7948	-12025	SLV 13	0.45	1286	1.274	264455	456481	962923	SLV 15	0.54	2144	1.571	Si
218	-2707	-7948	-12025	SLV 13	0.42	1055	1.175	231543	322565	962923	SLV 15	0.57	2474	1.666	Si
241	-3430	-7948	-12025	SLV 13	0.39	861	1.081	181997	193011	962923	SLV 15	0.57	2474	1.666	Si
264	-4153	-7948	-15005	SLV 13	0.49	1581	1.387	-125652	360188	963394	SLV 3	0.57	2474	1.666	Si
276	-4515	-7948	-15005	SLV 13	0.47	1444	1.336	-186006	432422	963478	SLV 3	0.57	2474	1.666	Si
299	-5238	-7948	-15005	SLV 13	0.44	1195	1.237	-300333	557770	963613	SLV 3	0.57	2474	1.666	Si
322	-5961	-7948	-15005	SLV 13	0.41	975	1.138	-300333	557770	963633	SLV 3	0.57	2474	1.666	Si
325	-6056	-7948	-15005	SLV 13	0.41	950	1.126	-300333	557770	963633	SLV 3	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	3565	2790	11671	SLD 3	0.39	851	2.707	83903	-605734	-1414287	SLD 3	0.33	575	2.305	Si
23	3441	2790	11671	SLD 3	0.4	883	2.748	83903	-605734	-1414287	SLD 3	0.33	575	2.305	Si
46	2718	2790	11671	SLD 3	0.43	1097	3.004	83903	-605734	-1393541	SLD 3	0.33	556	2.274	Si
69	1994	2790	11671	SLD 3	0.46	1348	3.269	148125	-550231	-1265040	SLD 3	0.35	631	2.395	Si
92	1271	2790	12025	SLD 3	0.51	1786	3.669	206704	-486220	-963633	SLD 3	0.33	538	2.243	Si
103	910	2790	12025	SLD 3	0.53	1951	3.804	229756	-454239	-963633	SLD 3	0.35	666	2.448	Si
126	186	2790	12025	SLD 3	0.56	2311	4.077	263383	-390363	-963633	SLD 3	0.42	1037	2.936	Si
149	-537	-2790	-12025	SLD 13	0.54	2132	3.945	280375	326702	1498865	SLD 13	0.5	1635	3.538	Si
172	-1260	-2790	-12025	SLD 13	0.51	1792	3.674	280733	263584	962923	SLD 15	0.35	642	2.412	Si
195	-1983	-2790	-12025	SLD 13	0.48	1487	3.403	264455	201909	962923	SLD 15	0.46	1339	3.26	Si
218	-2707	-2790	-12025	SLD 13	0.45	1220	3.138	231543	142689	962923	SLD 15	0.6	2474	4.193	Si
241	-3430	-2790	-12025	SLD 13	0.41	982	2.871	181997	85397	962923	SLD 15	0.6	2474	4.193	Si
264	-4153	-2790	-15005	SLD 13	0.52	1831	3.706	-125652	159240	963394	SLD 3	0.6	2474	4.193	Si
276	-4515	-2790	-15005	SLD 13	0.5	1673	3.572	-186006	191184	963478	SLD 3	0.6	2474	4.193	Si
299	-5238	-2790	-15005	SLD 13	0.47	1382	3.302	-300333	246618	963613	SLD 3	0.6	2474	4.193	Si
322	-5961	-2790	-15005	SLD 13	0.43	1128	3.039	-300333	246618	963633	SLD 3	0.6	2474	4.193	Si
325	-6056	-2790	-15005	SLD 13	0.43	1096	3.003	-300333	246618	963633	SLD 3	0.6	2474	4.193	Si

Campata 2 tra i fili ? - ?, sezione R 40x70, asta 1196

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-1029841	SLU 36	-932331	-1865528	0.096	Si
11	15.21	5.4	7.6	5.4						-924219	SLU 36	-904554	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-840505	SLU 36	-840505	-1865528	0.096	Si
33	15.21	5.4	7.6	5.4						-723473	SLU 36	-840505	-1865528	0.096	Si
44	15.21	5.4	7.6	5.4						-628347	SLU 36	-840505	-1865528	0.096	Si
50	15.21	5.4	7.6	5.4						-582096	SLU 36	-836547	-1865528	0.096	Si
61	14.34	5.4	7.6	5.4						-492217	SLU 36	-737424	-1763305	0.094	Si
72	13.31	5.4	7.6	5.4						-405835	SLU 36	-641799	-1640291	0.091	Si
83	12.27	5.4	7.6	5.4						-322950	SLU 36	-549672	-1517244	0.088	Si
94	11.23	5.4	7.6	5.4						-243562	SLU 36	-461043	-1394144	0.086	Si
105	7.6	5.4	7.6	5.4	-113662	SLU 1	27079	962923	0.078	-171703	SLU 30	-375910	-962923	0.078	Si
116	7.6	5.4	7.6	5.4	-62777	SLU 8	85567	962923	0.078	-106612	SLU 29	-294275	-962923	0.078	Si
127	7.6	5.4	7.6	5.4	-8417	SLU 17	114932	962923	0.078	-50447	SLU 20	-216136	-962923	0.078	Si
132	7.6	5.4	7.6	5.4	19356	SLU 17	114932	962923	0.078	-25148	SLU 20	-181378	-962923	0.078	Si
143	7.6	5.4	7.6	5.4	77008	SLU 35	114932	962923	0.078	18960	SLU 2	-115540	-962923	0.078	Si
150	7.6	5.4	7.6	5.4	114932	SLU 35	114932	962923	0.078	42607	SLU 2	-76947	-962923	0.078	Si
154	7.6	5.4	7.6	5.4	136103	SLU 35	133405	962923	0.078						Si
165	7.6	5.4	7.6	5.4	191703	SLU 35	154898	962923	0.078						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	397264	SLV 15	397264	963633	0.08	-1757849	SLV 1	-1647873	-1865528	0.096	Si
11	15.21	5.4	7.6	5.4	410809	SLV 15	410809	963633	0.08	-1633407	SLV 1	-1613604	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	421152	SLV 15	451878	963633	0.08	-1534587	SLV 1	-1534587	-1865528	0.096	Si
33	15.21	5.4	7.6	5.4	435429	SLV 15	463493	963633	0.08	-1396556	SLV 1	-1534587	-1865528	0.096	Si
44	15.21	5.4	7.6	5.4	446884	SLV 13	471628	963633	0.08	-1284527	SLV 3	-1534587	-1865528	0.096	Si
50	15.21	5.4	7.6	5.4	452302	SLV 13	475006	963633	0.08	-1230016	SLV 3	-1529914	-1865528	0.096	Si
61	14.34	5.4	7.6	5.4	462234	SLV 13	480260	963586	0.08	-1123715	SLV 3	-1413000	-1763305	0.094	Si
72	13.31	5.4	7.6	5.4	470623	SLV 13	483401	963521	0.08	-1020702	SLV 3	-1300369	-1640291	0.091	Si
83	12.27	5.4	7.6	5.4	477171	SLV 13	484403	963449	0.08	-920680	SLV 3	-1191727	-1517244	0.088	Si
94	11.23	5.4	7.6	5.4	481685	SLV 13	484403	963364	0.079	-823456	SLV 3	-1086633	-1394144	0.086	Si
105	7.6	5.4	7.6	5.4	484050	SLV 13	484403	962923	0.078	-728914	SLV 3	-984710	-962923	0.078	No
116	7.6	5.4	7.6	5.4	484194	SLV 13	484403	962923	0.078	-636979	SLV 3	-885701	-962923	0.078	Si
127	7.6	5.4	7.6	5.4	482074	SLV 13	484403	962923	0.078	-547611	SLV 3	-789443	-962923	0.078	Si
132	7.6	5.4	7.6	5.4	480157	SLV 13	484403	962923	0.078	-503880	SLV 3	-742313	-962923	0.078	Si
143	7.6	5.4	7.6	5.4	474603	SLV 13	484254	962923	0.078	-418320	SLV 3	-650009	-962923	0.078	Si
150	7.6	5.4	7.6	5.4	469819	SLV 13	483429	962923	0.078	-365257	SLV 3	-592549	-962923	0.078	Si
154	7.6	5.4	7.6	5.4	466759	SLV 13	466759	962923	0.078	-335298	SLV 3	-335298	-962923	0.078	Si
165	7.6	5.4	7.6	5.4	471120	SLV 9	456648	962923	0.078	-269307	SLV 7	-269307	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-1156896	SLD 1	-1072698	-1865528	0.096	Si
11	15.21	5.4	7.6	5.4						-1063376	SLD 1	-1047448	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-989226	SLD 1	-989226	-1865528	0.096	Si
33	15.21	5.4	7.6	5.4	-75425	SLD 15	25026	963633	0.08	-885702	SLD 1	-989226	-1865528	0.096	Si
44	15.21	5.4	7.6	5.4	-35926	SLD 13	59496	963633	0.08	-801717	SLD 3	-989226	-1865528	0.096	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
50	15.21	5.4	7.6	5.4	-16818	SLD 13	75921	963633	0.08	-760896	SLD 3	-985721	-1865528	0.096	Si
61	14.34	5.4	7.6	5.4	19987	SLD 13	107097	963586	0.08	-681467	SLD 3	-898034	-1763305	0.094	Si
72	13.31	5.4	7.6	5.4	54762	SLD 13	135991	963521	0.08	-604841	SLD 3	-813591	-1640291	0.091	Si
83	12.27	5.4	7.6	5.4	87376	SLD 13	162566	963449	0.08	-530885	SLD 3	-732260	-1517244	0.088	Si
94	11.23	5.4	7.6	5.4	117743	SLD 13	186798	963364	0.079	-459514	SLD 3	-653847	-1394144	0.086	Si
105	7.6	5.4	7.6	5.4	145813	SLD 13	208676	962923	0.078	-390676	SLD 3	-578185	-962923	0.078	Si
116	7.6	5.4	7.6	5.4	171553	SLD 13	228193	962923	0.078	-324338	SLD 3	-505158	-962923	0.078	Si
127	7.6	5.4	7.6	5.4	194945	SLD 13	236959	962923	0.078	-260482	SLD 3	-434696	-962923	0.078	Si
132	7.6	5.4	7.6	5.4	205758	SLD 13	236959	962923	0.078	-229481	SLD 3	-400411	-962923	0.078	Si
143	7.6	5.4	7.6	5.4	225612	SLD 13	236959	962923	0.078	-169329	SLD 3	-333718	-962923	0.078	Si
150	7.6	5.4	7.6	5.4	236959	SLD 13	236959	962923	0.078	-132397	SLD 3	-292511	-962923	0.078	Si
154	7.6	5.4	7.6	5.4	243107	SLD 13	242377	962923	0.078	-111646	SLD 3	-111646	-962923	0.078	Si
165	7.6	5.4	7.6	5.4	264699	SLD 9	248681	962923	0.078	-62886	SLD 7	-62886	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.82	0	9761	SLU 36	9761	10766	68363	0	10766	1	Si
11	0	12.79	0	9443	SLU 36	9443	10490	68363	0	10490	1	Si
20	0.116	12.27	0	9183	SLU 36	9183	10346	68363	13466	13466	1	Si
33	0.116	10.71	0	8807	SLU 36	8807	9889	68363	13466	13466	1	Si
44	0.116	7.6	0	8489	SLU 36	8489	8821	68363	13466	13466	1	Si
50	0.116	7.6	0	8330	SLU 36	8330	8821	68363	13466	13466	1	Si
61	0.116	7.6	0	8012	SLU 36	8012	8821	68363	13466	13466	1	Si
72	0.116	7.6	0	7694	SLU 36	7694	8821	68363	13466	13466	1	Si
83	0.116	7.6	0	7376	SLU 36	7376	8821	68363	13466	13466	1	Si
94	0.116	7.6	0	7058	SLU 36	7058	8821	68363	13466	13466	1	Si
105	0.116	7.6	0	6740	SLU 36	6740	8821	68363	13466	13466	1	Si
116	0.116	7.6	0	6423	SLU 36	6423	8821	68363	13466	13466	1	Si
127	0.116	7.6	0	6105	SLU 36	6105	8821	68363	13466	13466	1	Si
132	0.116	7.6	0	5946	SLU 36	5946	8821	68363	13466	13466	1	Si
143	0.116	7.6	0	5628	SLU 36	5628	8821	68363	13466	13466	1	Si
150	0.116	7.6	0	5426	SLU 36	5426	8821	68363	13466	13466	1	Si
154	0	7.6	0	5311	SLU 36	5311	8821	68363	0	8821	1	Si
165	0	7.6	0	4993	SLU 36	4993	8821	68363	0	8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.82	0	11728	SLV 1	13118	10766	68363	0	10766	1	Si
0	0	7.6	0	1036	SLV 15	-354	-8821	-68363	0	-8821	1	Si
11	0	12.79	0	11508	SLV 1	12898	10490	68363	0	10490	1	Si
11	0	7.6	0	816	SLV 15	-574	-8821	-68363	0	-8821	1	Si
17	0	12.27	0	11399	SLV 1	12789	10346	68363	0	10346	1	Si
17	0	7.6	0	706	SLV 15	-684	-8821	-68363	0	-8821	1	Si
20	0.116	12.27	0	11329	SLV 1	12719	10346	68363	13466	13466	1	Si
20	0.116	7.6	0	636	SLV 15	-754	-8821	-68363	-13466	-13466	1	Si
33	0.116	10.71	0	11069	SLV 1	12459	9889	68363	13466	13466	1	Si
33	0.116	7.6	0	377	SLV 15	-1013	-8821	-68363	-13466	-13466	1	Si
44	0.116	7.6	0	10849	SLV 1	12239	8821	68363	13466	13466	1	Si
44	0.116	7.6	0	157	SLV 15	-1233	-8821	-68363	-13466	-13466	1	Si
50	0.116	7.6	0	10739	SLV 1	12129	8821	68363	13466	13466	1	Si
50	0.116	7.6	0	47	SLV 15	-1343	-8821	-68363	-13466	-13466	1	Si
61	0.116	7.6	0	10520	SLV 1	11910	8821	68363	13466	13466	1	Si
61	0.116	7.6	0	-173	SLV 15	-1563	-8821	-68363	-13466	-13466	1	Si
72	0.116	7.6	0	10300	SLV 1	11690	8821	68363	13466	13466	1	Si
72	0.116	7.6	0	-392	SLV 15	-1782	-8821	-68363	-13466	-13466	1	Si
83	0.116	7.6	0	10080	SLV 1	11470	8821	68363	13466	13466	1	Si
83	0.116	7.6	0	-612	SLV 15	-2002	-8821	-68363	-13466	-13466	1	Si
94	0.116	7.6	0	9861	SLV 1	11251	8821	68363	13466	13466	1	Si
94	0.116	7.6	0	-832	SLV 15	-2222	-8821	-68363	-13466	-13466	1	Si
105	0.116	7.6	0	9641	SLV 1	11031	8821	68363	13466	13466	1	Si
105	0.116	7.6	0	-1051	SLV 15	-2441	-8821	-68363	-13466	-13466	1	Si
116	0.116	7.6	0	9422	SLV 1	10812	8821	68363	13466	13466	1	Si
116	0.116	7.6	0	-1271	SLV 15	-2661	-8821	-68363	-13466	-13466	1	Si
127	0.116	7.6	0	9202	SLV 1	10592	8821	68363	13466	13466	1	Si
127	0.116	7.6	0	-1490	SLV 15	-2880	-8821	-68363	-13466	-13466	1	Si
132	0.116	7.6	0	9093	SLV 1	10483	8821	68363	13466	13466	1	Si
132	0.116	7.6	0	-1600	SLV 15	-2990	-8821	-68363	-13466	-13466	1	Si
143	0.116	7.6	0	8873	SLV 1	10263	8821	68363	13466	13466	1	Si
143	0.116	7.6	0	-1819	SLV 15	-3209	-8821	-68363	-13466	-13466	1	Si
150	0.116	7.6	0	8733	SLV 1	10123	8821	68363	13466	13466	1	Si
150	0.116	7.6	0	-1959	SLV 15	-3349	-8821	-68363	-13466	-13466	1	Si
154	0	7.6	0	8654	SLV 1	10044	8821	68363	0	8821	1	Si
154	0	7.6	0	-2039	SLV 15	-3429	-8821	-68363	0	-8821	1	Si
165	0	7.6	0	8434	SLV 1	9824	8821	68363	0	8821	1	Si
165	0	7.6	0	-2258	SLV 15	-3648	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.82	0	8747	SLD 1	8747	10766	68363	0	10766	1	Si
11	0	12.79	0	8527	SLD 1	8527	10490	68363	0	10490	1	Si
17	0	12.27	0	8417	SLD 1	8417	10346	68363	0	10346	1	Si
20	0.116	12.27	0	8347	SLD 1	8347	10346	68363	13466	13466	1	Si
33	0.116	10.71	0	8088	SLD 1	8088	9889	68363	13466	13466	1	Si
44	0.116	7.6	0	7868	SLD 1	7868	8821	68363	13466	13466	1	Si
50	0.116	7.6	0	7758	SLD 1	7758	8821	68363	13466	13466	1	Si
61	0.116	7.6	0	7538	SLD 1	7538	8821	68363	13466	13466	1	Si
72	0.116	7.6	0	7319	SLD 1	7319	8821	68363	13466	13466	1	Si
83	0.116	7.6	0	7099	SLD 1	7099	8821	68363	13466	13466	1	Si
94	0.116	7.6	0	6879	SLD 1	6879	8821	68363	13466	13466	1	Si
105	0.116	7.6	0	6660	SLD 1	6660	8821	68363	13466	13466	1	Si
116	0.116	7.6	0	6440	SLD 1	6440	8821	68363	13466	13466	1	Si
127	0.116	7.6	0	6221	SLD 1	6221	8821	68363	13466	13466	1	Si
132	0.116	7.6	0	6111	SLD 1	6111	8821	68363	13466	13466	1	Si
143	0.116	7.6	0	5892	SLD 1	5892	8821	68363	13466	13466	1	Si
150	0.116	7.6	0	5752	SLD 1	5752	8821	68363	13466	13466	1	Si
154	0	7.6	0	5672	SLD 1	5672	8821	68363	0	8821	1	Si
165	0	7.6	0	5453	SLD 1	5453	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-759478	9	-687604	24	124.5	779.3	1837	-680293	2	-616542	21.6	93.4	0	+∞	Si
11	-681640	9	-667145	23.3	124.5	756.1	1837	-611299	2	-598445	20.9	93.4	0	+∞	Si
20	-619971	9	-619971	21.7	124.5	702.7	1837	-556717	2	-556717	19.5	93.4	0	+∞	Si
33	-533796	9	-619971	21.7	124.5	702.7	1837	-480563	2	-556717	19.5	93.4	0	+∞	Si
44	-463790	9	-619971	21.7	124.5	702.7	1837	-418822	2	-556717	19.5	93.4	0	+∞	Si
50	-429766	9	-617056	21.6	124.5	699.4	1837	-388857	2	-554138	19.4	93.4	0	+∞	Si
61	-363675	9	-544067	19.4	124.5	652.1	1837	-330740	2	-489634	17.5	93.4	0	+∞	Si
72	-300194	9	-473689	17.3	124.5	610.2	1837	-275039	2	-427548	15.6	93.4	0	+∞	Si
83	-239322	9	-405920	15.3	124.5	565.3	1837	-221755	2	-367878	13.9	93.4	0	+∞	Si
94	-181059	9	-340762	13.2	124.5	516.6	1837	-170886	2	-310624	12.1	93.4	0	+∞	Si
105	-128094	3	-278213	7.2	124.5	108.7	1837	-122432	2	-255786	11.5	93.4	0	+∞	Si
116	-79919	2	-218273	5.7	124.5	85.3	1837	-76393	2	-203365	9.1	93.4	0	+∞	Si
127	-35887	2	-160943	4.2	124.5	62.9	1837	-32768	2	-153359	6.9	93.4	0	+∞	Si
132	7419	8	80962	2.1	124.5	31.6	1837								Si
132	-14776	2	-135256	3.5	124.5	52.9	1837	-11862	2	-129261	5.8	93.4	0	+∞	Si
143	53231	8	80962	2.1	124.5	31.6	1837	31901	1	55652	2.5	93.4	0	+∞	Si
150	80962	8	80962	2.1	124.5	31.6	1837	55652	1	55652	2.5	93.4	0	+∞	Si
154	96436	8	94466	2.5	124.5	36.9	1837	68879	1	67201	3	93.4	0	+∞	Si
165	137034	8	110178	2.9	124.5	43.1	1837	103442	1	80639	3.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
11	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
20	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
33	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
44	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
50	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
61	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
72	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
83	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
94	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
105	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.003	1	-0.003	1	9999	Si
116	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
127	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
132	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
143	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
150	0	0	0.001	0	0	0	0	0	0	0	0	1	0	1	9999	Si
154	0.001	0	0.001	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
165	0.001	0	0.001	0	0	0	0.001	0	0	0	0.002	1	0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	5982	6736	13466	SLV 1	0.4	920	1.111	-556717	-977869	-1865528	SLV 1	0.48	1499	1.357	Si
33	5723	6736	13466	SLV 1	0.42	1002	1.15	-556717	-977869	-1865528	SLV 1	0.48	1499	1.357	Si
44	5503	6736	13466	SLV 1	0.43	1079	1.186	-556717	-977869	-1865528	SLV 1	0.48	1499	1.357	Si
50	5393	6736	13466	SLV 1	0.43	1119	1.204	-554138	-975776	-1865528	SLV 1	0.48	1515	1.363	Si
61	5173	6736	13466	SLV 1	0.44	1201	1.239	-489634	-923365	-1763305	SLV 1	0.49	1625	1.403	Si
72	4954	6736	13466	SLV 1	0.45	1287	1.275	-427548	-872821	-1640291	SLV 3	0.5	1657	1.414	Si
83	4734	6736	13466	SLV 1	0.47	1377	1.311	-367878	-823849	-1517244	SLV 3	0.5	1675	1.42	Si
94	4515	6736	13466	SLV 1	0.48	1470	1.346	-310624	-776009	-1394144	SLV 3	0.5	1678	1.421	Si
105	4295	6736	13466	SLV 1	0.49	1569	1.383	-255786	-728924	-962923	SLV 3	0.35	661	0.97	No
116	4076	6736	13466	SLV 1	0.5	1671	1.419	-203365	-682336	-962923	SLV 3	0.4	924	1.113	Si
127	3856	6736	13466	SLV 1	0.51	1777	1.455	-153359	-636085	-962923	SLV 3	0.46	1312	1.285	Si
132	3746	6736	13466	SLV 1	0.52	1833	1.474	-129261	-613052	-962923	SLV 3	0.49	1564	1.381	Si
143	3527	6736	13466	SLV 1	0.53	1946	1.51	-82878	-567131	-962923	SLV 3	0.55	2226	1.596	Si
150	3387	6736	13466	SLV 1	0.53	2020	1.533	52281	417538	962923	SLV 13	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	5982	2365	13466	SLD 1	0.42	1057	2.959	-556717	-432508	-1865528	SLD 1	0.41	939	2.818	Si
33	5723	2365	13466	SLD 1	0.44	1158	3.071	-556717	-432508	-1865528	SLD 1	0.41	939	2.818	Si
44	5503	2365	13466	SLD 1	0.45	1247	3.166	-556717	-432508	-1865528	SLD 1	0.41	939	2.818	Si
50	5393	2365	13466	SLD 1	0.46	1293	3.214	-554138	-431582	-1865528	SLD 1	0.41	949	2.831	Si
61	5173	2365	13466	SLD 1	0.47	1388	3.308	-489634	-408400	-1763305	SLD 1	0.42	1015	2.91	Si
72	4954	2365	13466	SLD 1	0.48	1488	3.404	-427548	-386043	-1640291	SLD 3	0.42	1035	2.933	Si
83	4734	2365	13466	SLD 1	0.49	1592	3.5	-367878	-364383	-1517244	SLD 3	0.42	1046	2.946	Si
94	4515	2365	13466	SLD 1	0.5	1702	3.597	-310624	-343223	-1394144	SLD 3	0.42	1049	2.949	Si
105	4295	2365	13466	SLD 1	0.51	1816	3.694	-255786	-322398	-962923	SLD 3	0.3	435	2.056	Si
116	4076	2365	13466	SLD 1	0.53	1934	3.79	-203365	-301793	-962923	SLD 3	0.34	600	2.346	Si
127	3856	2365	13466	SLD 1	0.54	2058	3.888	-153359	-281337	-962923	SLD 3	0.39	831	2.681	Si
132	3746	2365	13466	SLD 1	0.54	2121	3.936	-129261	-271150	-962923	SLD 3	0.41	977	2.865	Si
143	3527	2365	13466	SLD 1	0.55	2252	4.034	-82878	-250840	-962923	SLD 3	0.47	1390	3.31	Si
150	3387	2365	13466	SLD 1	0.56	2338	4.097	52281	184678	962923	SLD 13	0.6	2474	4.193	Si

Campata 3 tra i fili ? - 52A, sezione R 40x70, asta 1197

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	190217	SLU 35	190217	962923	0.078						Si
6	7.6	5.4	7.6	5.4	246907	SLU 35	246907	962923	0.078						Si
12	7.6	5.4	7.6	5.4	302559	SLU 35	302559	962923	0.078						Si
15	7.6	5.4	7.6	5.4	330025	SLU 35	583751	962923	0.078						Si
18	7.6	5.4	7.6	5.4	357172	SLU 35	608782	962923	0.078						Si
24	7.6	5.4	7.6	5.4	410746	SLU 35	658121	962923	0.078						Si
27	7.6	5.4	7.6	5.4	437144	SLU 35	682402	962923	0.078						Si
33	7.6	5.4	9.36	5.4	489160	SLU 35	730184	1171851	0.082						Si
39	7.6	5.4	9.76	5.4	540757	SLU 36	776928	1219847	0.083						Si
45	7.6	5.4	10.17	5.4	591494	SLU 36	822634	1267824	0.084						Si
51	7.6	5.4	10.57	5.4	641192	SLU 36	829581	1315815	0.085						Si
57	7.6	5.4	10.98	5.4	689853	SLU 36	829581	1363782	0.085						Si
63	7.6	5.4	11.38	5.4	737475	SLU 36	829581	1411752	0.086						Si
69	7.6	5.4	11.4	5.4	784059	SLU 36	829581	1414576	0.086						Si
72	7.6	5.4	11.4	5.4	806962	SLU 36	829581	1414576	0.086						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
75	7.6	5.4	11.4	5.4	829581	SLU 36	829581	1414576	0.086						Si
78	7.6	5.4	11.4	5.4	851990	SLU 36	849864	1414576	0.086						Si
84	7.6	5.4	11.4	5.4	895979	SLU 36	876874	1414576	0.086						Si
90	7.6	5.4	11.4	5.4	938931	SLU 36	885878	1414576	0.086						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	474046	SLV 9	474046	962923	0.078	-274483	SLV 7	-205320	-962923	0.078	Si
6	7.6	5.4	7.6	5.4	493946	SLV 9	493946	962923	0.078	-219368	SLV 7	-194559	-962923	0.078	Si
12	7.6	5.4	7.6	5.4	513141	SLV 9	513141	962923	0.078	-164983	SLV 7	-162277	-962923	0.078	Si
15	7.6	5.4	7.6	5.4	522485	SLV 9	604015	962923	0.078	-138037	SLV 7	-138037	-962923	0.078	Si
18	7.6	5.4	7.6	5.4	531634	SLV 9	611563	962923	0.078	-111332	SLV 7	-138037	-962923	0.078	Si
24	7.6	5.4	7.6	5.4	549427	SLV 9	626394	962923	0.078	-58416	SLV 7	-138037	-962923	0.078	Si
27	7.6	5.4	7.6	5.4	558064	SLV 9	633900	962923	0.078	-32236	SLV 7	-138037	-962923	0.078	Si
33	7.6	5.4	9.36	5.4	574823	SLV 9	648863	1171851	0.082	19562	SLV 7	-138037	-963171	0.079	Si
39	7.6	5.4	9.76	5.4	590911	SLV 9	678104	1219847	0.083	70597	SLV 7	-138037	-963218	0.079	Si
45	7.6	5.4	10.17	5.4	606362	SLV 9	705776	1267824	0.084	120833	SLV 7	-129835	-963262	0.079	Si
51	7.6	5.4	10.57	5.4	621286	SLV 9	710018	1315815	0.085	170163	SLV 7	-76664	-963302	0.079	Si
57	7.6	5.4	10.98	5.4	636229	SLV 9	710018	1363782	0.085	218039	SLV 7	-24233	-963340	0.079	Si
63	7.6	5.4	11.38	5.4	655558	SLV 5	710018	1411752	0.086						Si
69	7.6	5.4	11.4	5.4	682335	SLV 5	710018	1414576	0.086						Si
72	7.6	5.4	11.4	5.4	696207	SLV 5	710018	1414576	0.086						Si
75	7.6	5.4	11.4	5.4	710018	SLV 5	710018	1414576	0.086						Si
78	7.6	5.4	11.4	5.4	723753	SLV 5	722418	1414576	0.086						Si
84	7.6	5.4	11.4	5.4	750777	SLV 5	738930	1414576	0.086						Si
90	7.6	5.4	11.4	5.4	777191	SLV 5	744435	1414576	0.086						Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	265367	SLD 9	265367	962923	0.078	-65803	SLD 7	-8807	-962923	0.078	Si
6	7.6	5.4	7.6	5.4	295085	SLD 9	295085	962923	0.078	-20507	SLD 7	-11378	-962923	0.078	Si
12	7.6	5.4	7.6	5.4	324091	SLD 9	324091	962923	0.078						Si
15	7.6	5.4	7.6	5.4	338343	SLD 9	467177	962923	0.078						Si
18	7.6	5.4	7.6	5.4	352386	SLD 9	479544	962923	0.078						Si
24	7.6	5.4	7.6	5.4	379972	SLD 9	503881	962923	0.078						Si
27	7.6	5.4	7.6	5.4	393500	SLD 9	515940	962923	0.078						Si
33	7.6	5.4	9.36	5.4	420029	SLD 9	539740	1171851	0.082						Si
39	7.6	5.4	9.76	5.4	445860	SLD 9	569452	1219847	0.083						Si
45	7.6	5.4	10.17	5.4	471009	SLD 9	598070	1267824	0.084						Si
51	7.6	5.4	10.57	5.4	495526	SLD 9	602434	1315815	0.085						Si
57	7.6	5.4	10.98	5.4	519651	SLD 9	602434	1363782	0.085						Si
63	7.6	5.4	11.38	5.4	545320	SLD 5	602434	1411752	0.086						Si
69	7.6	5.4	11.4	5.4	573882	SLD 5	602434	1414576	0.086						Si
72	7.6	5.4	11.4	5.4	588226	SLD 5	602434	1414576	0.086						Si
75	7.6	5.4	11.4	5.4	602434	SLD 5	602434	1414576	0.086						Si
78	7.6	5.4	11.4	5.4	616526	SLD 5	615178	1414576	0.086						Si
84	7.6	5.4	11.4	5.4	644195	SLD 5	632149	1414576	0.086						Si
90	7.6	5.4	11.4	5.4	671195	SLD 5	637806	1414576	0.086						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	9670	SLU 36	9670	8821	68363	0	8821	1	Si
6	0	7.6	0	9497	SLU 36	9497	8821	68363	0	8821	1	Si
12	0	7.6	0	9324	SLU 36	9324	8821	68363	0	8821	1	Si
15	0.117	7.6	0	9237	SLU 36	9237	8821	68363	13621	13621	1	Si
18	0.117	7.6	0	9150	SLU 36	9150	8821	68363	13621	13621	1	Si
24	0.117	7.6	0	8977	SLU 36	8977	8821	68363	13621	13621	1	Si
27	0.117	7.6	0	8891	SLU 36	8891	8821	68363	13621	13621	1	Si
33	0.117	7.6	0	8718	SLU 36	8718	8821	68363	13621	13621	1	Si
39	0.117	7.6	0	8544	SLU 36	8544	8821	68363	13621	13621	1	Si
45	0.117	7.6	0	8371	SLU 36	8371	8821	68363	13621	13621	1	Si
51	0.117	7.6	0	8198	SLU 36	8198	8821	68363	13621	13621	1	Si
57	0.117	7.6	0	8025	SLU 36	8025	8821	68363	13621	13621	1	Si
63	0.117	7.6	0	7852	SLU 36	7852	8821	68363	13621	13621	1	Si
69	0.117	7.6	0	7679	SLU 36	7679	8821	68363	13621	13621	1	Si
72	0.117	7.6	0	7593	SLU 36	7593	8821	68363	13621	13621	1	Si
75	0.117	7.6	0	7506	SLU 36	7506	8821	68363	13621	13621	1	Si
78	0	7.6	0	7420	SLU 36	7420	8821	68363	0	8821	1	Si
84	0	7.6	0	7247	SLU 36	7247	8821	68363	0	8821	1	Si
90	0	7.6	0	7074	SLU 36	7074	8821	68363	0	8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	11339	SLV 3	12645	8821	68363	0	8821	1	Si
0	0	7.6	0	1286	SLV 13	-21	-8821	-68363	0	-8821	1	Si
6	0	7.6	0	11219	SLV 3	12526	8821	68363	0	8821	1	Si
6	0	7.6	0	1166	SLV 13	-140	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	11099	SLV 3	12406	8821	68363	0	8821	1	Si
12	0	7.6	0	1047	SLV 13	-260	-8821	-68363	0	-8821	1	Si
15	0.117	7.6	0	11039	SLV 3	12346	8821	68363	13621	13621	1	Si
15	0.117	7.6	0	987	SLV 13	-320	-8821	-68363	-13621	-13621	1	Si
18	0.117	7.6	0	10980	SLV 3	12287	8821	68363	13621	13621	1	Si
18	0.117	7.6	0	927	SLV 13	-380	-8821	-68363	-13621	-13621	1	Si
24	0.117	7.6	0	10860	SLV 3	12167	8821	68363	13621	13621	1	Si
24	0.117	7.6	0	808	SLV 13	-499	-8821	-68363	-13621	-13621	1	Si
27	0.117	7.6	0	10800	SLV 3	12107	8821	68363	13621	13621	1	Si
27	0.117	7.6	0	748	SLV 13	-559	-8821	-68363	-13621	-13621	1	Si
33	0.117	7.6	0	10681	SLV 3	11988	8821	68363	13621	13621	1	Si
33	0.117	7.6	0	628	SLV 13	-679	-8821	-68363	-13621	-13621	1	Si
39	0.117	7.6	0	10561	SLV 3	11868	8821	68363	13621	13621	1	Si
39	0.117	7.6	0	509	SLV 13	-798	-8821	-68363	-13621	-13621	1	Si
45	0.117	7.6	0	10442	SLV 3	11748	8821	68363	13621	13621	1	Si
45	0.117	7.6	0	389	SLV 13	-918	-8821	-68363	-13621	-13621	1	Si
51	0.117	7.6	0	10322	SLV 3	11629	8821	68363	13621	13621	1	Si
51	0.117	7.6	0	270	SLV 13	-1037	-8821	-68363	-13621	-13621	1	Si
57	0.117	7.6	0	10203	SLV 3	11509	8821	68363	13621	13621	1	Si
57	0.117	7.6	0	150	SLV 13	-1157	-8821	-68363	-13621	-13621	1	Si
63	0.117	7.6	0	10083	SLV 3	11390	8821	68363	13621	13621	1	Si
63	0.117	7.6	0	30	SLV 13	-1276	-8821	-68363	-13621	-13621	1	Si
69	0.117	7.6	0	9963	SLV 3	11270	8821	68363	13621	13621	1	Si
69	0.117	7.6	0	-89	SLV 13	-1396	-8821	-68363	-13621	-13621	1	Si
72	0.117	7.6	0	9904	SLV 3	11211	8821	68363	13621	13621	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
72	0.117	7.6	0	-149	SLV 13	-1456	-8821	-68363	-13621	-13621	1	Si
75	0.117	7.6	0	9844	SLV 3	11151	8821	68363	13621	13621	1	Si
75	0.117	7.6	0	-209	SLV 13	-1515	-8821	-68363	-13621	-13621	1	Si
78	0	7.6	0	9784	SLV 3	11091	8821	68363	0	8821	1	Si
78	0	7.6	0	-268	SLV 13	-1575	-8821	-68363	0	-8821	1	Si
84	0	7.6	0	9665	SLV 3	10972	8821	68363	0	8821	1	Si
84	0	7.6	0	-388	SLV 13	-1695	-8821	-68363	0	-8821	1	Si
90	0	7.6	0	9545	SLV 3	10852	8821	68363	0	8821	1	Si
90	0	7.6	0	-507	SLV 13	-1814	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	8536	SLD 3	8536	8821	68363	0	8821	1	Si
6	0	7.6	0	8416	SLD 3	8416	8821	68363	0	8821	1	Si
12	0	7.6	0	8296	SLD 3	8296	8821	68363	0	8821	1	Si
15	0.117	7.6	0	8236	SLD 3	8236	8821	68363	13621	13621	1	Si
18	0.117	7.6	0	8177	SLD 3	8177	8821	68363	13621	13621	1	Si
24	0.117	7.6	0	8057	SLD 3	8057	8821	68363	13621	13621	1	Si
27	0.117	7.6	0	7997	SLD 3	7997	8821	68363	13621	13621	1	Si
33	0.117	7.6	0	7878	SLD 3	7878	8821	68363	13621	13621	1	Si
39	0.117	7.6	0	7758	SLD 3	7758	8821	68363	13621	13621	1	Si
45	0.117	7.6	0	7639	SLD 3	7639	8821	68363	13621	13621	1	Si
51	0.117	7.6	0	7519	SLD 3	7519	8821	68363	13621	13621	1	Si
57	0.117	7.6	0	7399	SLD 3	7399	8821	68363	13621	13621	1	Si
63	0.117	7.6	0	7280	SLD 3	7280	8821	68363	13621	13621	1	Si
69	0.117	7.6	0	7160	SLD 3	7160	8821	68363	13621	13621	1	Si
72	0.117	7.6	0	7101	SLD 3	7101	8821	68363	13621	13621	1	Si
75	0.117	7.6	0	7041	SLD 3	7041	8821	68363	13621	13621	1	Si
78	0	7.6	0	6981	SLD 3	6981	8821	68363	0	8821	1	Si
84	0	7.6	0	6862	SLD 3	6862	8821	68363	0	8821	1	Si
90	0	7.6	0	6742	SLD 3	6742	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	135926	8	135926	3.5	124.5	53.1	1837	102389	1	102389	4.6	93.4	0	+∞	Si
6	177750	8	177750	4.6	124.5	69.5	1837	139441	1	139441	6.3	93.4	0	+∞	Si
12	218799	8	218799	5.7	124.5	85.5	1837	175775	1	175775	7.9	93.4	0	+∞	Si
15	239054	8	425963	11.1	124.5	166.5	1837	193692	1	358587	16.1	93.4	0	+∞	Si
18	259072	8	444371	11.6	124.5	173.7	1837	211392	1	374777	16.8	93.4	0	+∞	Si
24	298571	8	480646	12.5	124.5	187.9	1837	246291	1	406656	18.2	93.4	0	+∞	Si
27	318029	8	498493	13	124.5	194.8	1837	263471	1	422326	18.9	93.4	0	+∞	Si
33	356366	8	533606	22.1	124.5	964.5	1837	297294	1	453129	18.8	93.4	0	+∞	Si
39	394340	9	567945	23.2	124.5	985.5	1837	330754	2	483215	19.7	93.4	0	+∞	Si
45	431658	9	601509	24.2	124.5	1003.7	1837	363598	2	512584	20.6	93.4	0	+∞	Si
51	468201	9	606610	24.1	124.5	974.9	1837	395724	2	517045	20.5	93.4	0	+∞	Si
57	503970	9	606610	23.8	124.5	940.3	1837	427134	2	517045	20.2	93.4	0	+∞	Si
63	538964	9	606610	23.5	124.5	908.1	1837	457826	2	517045	20	93.4	0	+∞	Si
69	573183	9	606610	23.4	124.5	906.3	1837	487802	2	517045	20	93.4	0	+∞	Si
72	590002	9	606610	23.4	124.5	906.3	1837	502521	2	517045	20	93.4	0	+∞	Si
75	606610	9	606610	23.4	124.5	906.3	1837	517045	2	517045	20	93.4	0	+∞	Si
78	623060	9	621501	24	124.5	928.5	1837	531421	2	530063	20.5	93.4	0	+∞	Si
84	655344	9	641331	24.8	124.5	958.1	1837	559604	2	547399	21.1	93.4	0	+∞	Si
90	686853	9	647942	25	124.5	968	1837	587070	2	553178	21.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.001	0	0.001	0	0	0	0.001	0	0	0	0.002	1	0.001	1	9999	Si
6	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
12	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
15	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.002	1	9999	Si
18	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
24	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
27	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
33	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
39	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
42	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
45	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
51	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
57	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
63	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
69	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
72	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
75	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
78	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
84	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
18	5953	6333	13621	SLV 3	0.44	1149	1.217	192224	330261	962923	SLV 9	0.57	2474	1.666	Si
24	5834	6333	13621	SLV 3	0.44	1197	1.237	192224	330261	962923	SLV 9	0.57	2474	1.666	Si
27	5774	6333	13621	SLV 3	0.45	1221	1.247	192224	330261	962923	SLV 9	0.57	2474	1.666	Si
33	5655	6333	13621	SLV 3	0.45	1271	1.268	192224	330261	1171851	SLV 9	0.57	2474	1.666	Si
39	5535	6333	13621	SLV 3	0.46	1322	1.289	192224	330261	1219847	SLV 9	0.57	2474	1.666	Si
45	5415	6333	13621	SLV 3	0.47	1375	1.31	197730	327565	1267824	SLV 9	0.57	2474	1.666	Si
51	5296	6333	13621	SLV 3	0.47	1428	1.33	233333	309997	1315815	SLV 9	0.57	2474	1.666	Si
57	5176	6333	13621	SLV 3	0.48	1484	1.351	268219	292452	1363782	SLV 9	0.57	2474	1.666	Si
63	5057	6333	13621	SLV 3	0.48	1540	1.372	302387	274939	1411752	SLV 9	0.57	2474	1.666	Si
69	4937	6333	13621	SLV 3	0.49	1599	1.393	335837	257475	1414576	SLV 9	0.57	2474	1.666	Si
72	4877	6333	13621	SLV 3	0.49	1628	1.404	352294	248773	1414576	SLV 9	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
18	5953	2223	13621	SLD 3	0.46	1328	3.249	192224	146119	962923	SLD 9	0.6	2474	4.193	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
24	5834	2223	13621	SLD 3	0.47	1384	3.304	192224	146119	962923	SLD 9	0.6	2474	4.193	Si
27	5774	2223	13621	SLD 3	0.47	1412	3.332	192224	146119	962923	SLD 9	0.6	2474	4.193	Si
33	5655	2223	13621	SLD 3	0.48	1470	3.387	192224	146119	1171851	SLD 9	0.6	2474	4.193	Si
39	5535	2223	13621	SLD 3	0.48	1529	3.442	192224	146119	1219847	SLD 9	0.6	2474	4.193	Si
45	5415	2223	13621	SLD 3	0.49	1591	3.499	197730	144926	1267824	SLD 9	0.6	2474	4.193	Si
51	5296	2223	13621	SLD 3	0.5	1653	3.554	233333	137154	1315815	SLD 9	0.6	2474	4.193	Si
57	5176	2223	13621	SLD 3	0.5	1718	3.611	268219	129393	1363782	SLD 9	0.6	2474	4.193	Si
63	5057	2223	13621	SLD 3	0.51	1784	3.667	302387	121645	1411752	SLD 9	0.6	2474	4.193	Si
69	4937	2223	13621	SLD 3	0.52	1851	3.723	335837	113919	1414576	SLD 9	0.6	2474	4.193	Si
72	4877	2223	13621	SLD 3	0.52	1885	3.751	352294	110070	1414576	SLD 9	0.6	2474	4.193	Si

Campata 4 tra i fili 52A - 53, sezione R 40x70, asta 1198

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	966983	SLU 36	955006	1414576	0.086						Si
14	7.6	5.4	11.4	5.4	941607	SLU 36	941495	1414576	0.086						Si
15	7.6	5.4	11.4	5.4	939862	SLU 36	939862	1414576	0.086						Si
28	7.6	5.4	11.4	5.4	910444	SLU 36	939862	1414576	0.086						Si
43	7.6	5.4	11.4	5.4	873496	SLU 36	939862	1414576	0.086						Si
57	7.6	5.4	11.4	5.4	830765	SLU 36	912134	1414576	0.086						Si
64	7.6	5.4	11.4	5.4	807230	SLU 36	894533	1414576	0.086						Si
78	7.6	5.4	11.4	5.4	755824	SLU 36	854993	1414576	0.086						Si
92	7.6	5.4	11.4	5.4	698638	SLU 36	809669	1414576	0.086						Si
106	7.6	5.4	11.4	5.4	635671	SLU 36	758563	1414576	0.086						Si
120	7.6	5.4	11.4	5.4	566926	SLU 36	701675	1414576	0.086						Si
135	7.6	5.4	11.4	5.4	497733	SLU 30	639008	1414576	0.086						Si
149	11.08	5.4	11.4	5.4	434126	SLU 29	570563	1414407	0.086						Si
163	12.42	5.4	11.4	5.4	367534	SLU 29	500952	1414365	0.085						Si
170	13.08	5.4	11.4	5.4	332252	SLU 29	468697	1414342	0.085						Si
184	14.42	5.4	11.4	5.4	257718	SLU 29	404873	1414311	0.085						Si
193	15.21	5.4	11.4	5.4	216863	SLU 20	364954	1414287	0.085						Si
198	15.21	5.4	11.4	5.4	187496	SLU 20	187496	1414287	0.085						Si
213	15.21	5.4	11.4	5.4	112469	SLU 20	112469	1414287	0.085	-92565	SLU 17	-31805	-1865107	0.093	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	784517	SLV 5	784517	1414576	0.086						Si
14	7.6	5.4	11.4	5.4	811629	SLV 1	811629	1414576	0.086						Si
15	7.6	5.4	11.4	5.4	814964	SLV 1	924908	1414576	0.086						Si
28	7.6	5.4	11.4	5.4	867465	SLV 1	970001	1414576	0.086						Si
43	7.6	5.4	11.4	5.4	919476	SLV 1	1014163	1414576	0.086						Si
57	7.6	5.4	11.4	5.4	967653	SLV 1	1054538	1414576	0.086	114703	SLV 15	-84599	-963377	0.08	Si
64	7.6	5.4	11.4	5.4	990308	SLV 1	1073317	1414576	0.086	67775	SLV 15	-135846	-963377	0.08	Si
78	7.6	5.4	11.4	5.4	1032768	SLV 1	1108087	1414576	0.086	-29222	SLV 15	-241541	-963377	0.08	Si
92	7.6	5.4	11.4	5.4	1071458	SLV 1	1139178	1414576	0.086	-130437	SLV 15	-351542	-963377	0.08	Si
106	7.6	5.4	11.4	5.4	1106419	SLV 1	1166639	1414576	0.086	-235910	SLV 15	-465894	-963377	0.08	Si
120	7.6	5.4	11.4	5.4	1137699	SLV 1	1190509	1414576	0.086	-345686	SLV 15	-584637	-963377	0.08	Si
135	7.6	5.4	11.4	5.4	1165346	SLV 1	1210817	1414576	0.086	-459811	SLV 15	-707797	-963377	0.08	Si
149	11.08	5.4	11.4	5.4	1189401	SLV 1	1227569	1414407	0.086	-578325	SLV 15	-835379	-1376038	0.085	Si
163	12.42	5.4	11.4	5.4	1209893	SLV 1	1240751	1414365	0.085	-701256	SLV 15	-967368	-1534447	0.087	Si
170	13.08	5.4	11.4	5.4	1218806	SLV 1	1241142	1414342	0.085	-764380	SLV 15	-972305	-1613627	0.089	Si
184	14.42	5.4	11.4	5.4	1233962	SLV 1	1241142	1414311	0.085	-893941	SLV 15	-972305	-1771941	0.091	Si
193	15.21	5.4	11.4	5.4	1241142	SLV 1	1241142	1414287	0.085	-972305	SLV 15	-972305	-1865107	0.093	Si
198	15.21	5.4	11.4	5.4	1245535	SLV 1	1243613	1414287	0.085	-1027896	SLV 15	-1018056	-1865107	0.093	Si
213	15.21	5.4	11.4	5.4	1253490	SLV 1	1246103	1414287	0.085	-1166205	SLV 15	-1064143	-1865107	0.093	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	682932	SLD 5	682383	1414576	0.086						Si
14	7.6	5.4	11.4	5.4	689732	SLD 1	689731	1414576	0.086						Si
15	7.6	5.4	11.4	5.4	690805	SLD 1	721541	1414576	0.086						Si
28	7.6	5.4	11.4	5.4	707021	SLD 1	730169	1414576	0.086						Si
43	7.6	5.4	11.4	5.4	720389	SLD 1	735494	1414576	0.086						Si
57	7.6	5.4	11.4	5.4	729832	SLD 1	736982	1414576	0.086						Si
64	7.6	5.4	11.4	5.4	733085	SLD 1	736982	1414576	0.086						Si
78	7.6	5.4	11.4	5.4	736658	SLD 1	736982	1414576	0.086						Si
92	7.6	5.4	11.4	5.4	736336	SLD 1	736982	1414576	0.086						Si
106	7.6	5.4	11.4	5.4	732138	SLD 1	736982	1414576	0.086	138371	SLD 15	-10692	-963377	0.08	Si
120	7.6	5.4	11.4	5.4	724086	SLD 1	736403	1414576	0.086	67928	SLD 15	-89668	-963377	0.08	Si
135	7.6	5.4	11.4	5.4	712201	SLD 1	732405	1414576	0.086	-6665	SLD 15	-172824	-963377	0.08	Si
149	11.08	5.4	11.4	5.4	696501	SLD 1	724553	1414407	0.086	-85426	SLD 15	-260160	-1376038	0.085	Si
163	12.42	5.4	11.4	5.4	677001	SLD 1	712866	1414365	0.085	-168364	SLD 15	-351669	-1534447	0.087	Si
170	13.08	5.4	11.4	5.4	665827	SLD 1	705591	1414342	0.085	-211402	SLD 15	-355121	-1613627	0.089	Si
184	14.42	5.4	11.4	5.4	640630	SLD 1	688187	1414311	0.085	-300610	SLD 15	-355121	-1771941	0.091	Si
193	15.21	5.4	11.4	5.4	623957	SLD 1	676184	1414287	0.085	-355121	SLD 15	-355121	-1865107	0.093	Si
198	15.21	5.4	11.4	5.4	611625	SLD 1	611625	1414287	0.085	-393985	SLD 15	-387425	-1865107	0.093	Si
213	15.21	5.4	11.4	5.4	578795	SLD 1	578795	1414287	0.085	-491510	SLD 15	-419966	-1865107	0.093	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	-1844	SLU 35	-1844	-10097	-68363	0	-10097	1	Si
14	0	11.4	0	-2252	SLU 35	-2252	-10097	-68363	0	-10097	1	Si
15	0.096	11.4	0	-2276	SLU 35	-2276	-10097	-68363	-11177	-11177	1	Si
28	0.096	11.4	0	-2661	SLU 35	-2661	-10097	-68363	-11177	-11177	1	Si
43	0.096	11.4	0	-3069	SLU 35	-3069	-10097	-68363	-11177	-11177	1	Si
57	0.096	11.4	0	-3477	SLU 35	-3477	-10097	-68363	-11177	-11177	1	Si
64	0.096	11.4	0	-3681	SLU 35	-3681	-10097	-68363	-11177	-11177	1	Si
78	0.096	11.4	0	-4089	SLU 35	-4089	-10097	-68363	-11177	-11177	1	Si
92	0.096	11.4	0	-4497	SLU 35	-4497	-10097	-68363	-11177	-11177	1	Si
106	0.096	11.4	0	-4905	SLU 35	-4905	-10097	-68363	-11177	-11177	1	Si
120	0.096	11.4	0	-5313	SLU 35	-5313	-10097	-68363	-11177	-11177	1	Si
135	0.096	11.4	0	-5721	SLU 35	-5721	-10097	-68363	-11177	-11177	1	Si
149	0.096	11.4	0	-6128	SLU 35	-6128	-10097	-68363	-11177	-11177	1	Si
163	0.096	11.4	0	-6536	SLU 35	-6536	-10097	-68363	-11177	-11177	1	Si
170	0.096	11.4	0	-6740	SLU 35	-6740	-10097	-68363	-11177	-11177	1	Si
184	0.096	11.4	0	-7147	SLU 35	-7147	-10097	-68363	-11177	-11177	1	Si
193	0.096	11.4	0	-7387	SLU 35	-7387	-10097	-68363	-11177	-11177	1	Si
198	0	11.4	0	-7554	SLU 35	-7554	-10097	-68363	0	-10097	1	Si
205	0	7.6	0	-7758	SLU 35	-7758	-8821	-68363	0	-8821	1	Si
213	0	11.08	0	-7962	SLU 35	-7962	-10001	-68363	0	-10001	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	4793	SLV 3	6172	10097	68363	0	10097	1	Si
0	0	11.4	0	-5821	SLV 13	-7201	-10097	-68363	0	-10097	1	Si
14	0	11.4	0	4510	SLV 3	5890	10097	68363	0	10097	1	Si
14	0	11.4	0	-6103	SLV 13	-7483	-10097	-68363	0	-10097	1	Si
15	0.096	11.4	0	4494	SLV 3	5874	10097	68363	11177	11177	1	Si
15	0.096	11.4	0	-6120	SLV 13	-7500	-10097	-68363	-11177	-11177	1	Si
28	0.096	11.4	0	4228	SLV 3	5608	10097	68363	11177	11177	1	Si
28	0.096	11.4	0	-6386	SLV 13	-7765	-10097	-68363	-11177	-11177	1	Si
43	0.096	11.4	0	3946	SLV 3	5326	10097	68363	11177	11177	1	Si
43	0.096	11.4	0	-6668	SLV 13	-8047	-10097	-68363	-11177	-11177	1	Si
57	0.096	11.4	0	3664	SLV 3	5044	10097	68363	11177	11177	1	Si
57	0.096	11.4	0	-6950	SLV 13	-8329	-10097	-68363	-11177	-11177	1	Si
64	0.096	11.4	0	3523	SLV 3	4903	10097	68363	11177	11177	1	Si
64	0.096	11.4	0	-7091	SLV 13	-8470	-10097	-68363	-11177	-11177	1	Si
78	0.096	11.4	0	3241	SLV 3	4621	10097	68363	11177	11177	1	Si
78	0.096	11.4	0	-7373	SLV 13	-8752	-10097	-68363	-11177	-11177	1	Si
92	0.096	11.4	0	2959	SLV 3	4339	10097	68363	11177	11177	1	Si
92	0.096	7.6	0	-7654	SLV 13	-9034	-8821	-68363	-11177	-11177	1	Si
106	0.096	11.4	0	2678	SLV 3	4057	10097	68363	11177	11177	1	Si
106	0.096	7.6	0	-7936	SLV 13	-9316	-8821	-68363	-11177	-11177	1	Si
120	0.096	11.4	0	2396	SLV 3	3776	10097	68363	11177	11177	1	Si
120	0.096	7.6	0	-8218	SLV 13	-9598	-8821	-68363	-11177	-11177	1	Si
135	0.096	11.4	0	2114	SLV 3	3494	10097	68363	11177	11177	1	Si
135	0.096	7.6	0	-8500	SLV 13	-9879	-8821	-68363	-11177	-11177	1	Si
149	0.096	11.4	0	1833	SLV 3	3212	10097	68363	11177	11177	1	Si
149	0.096	7.6	0	-8781	SLV 13	-10161	-8821	-68363	-11177	-11177	1	Si
163	0.096	11.4	0	1551	SLV 3	2931	10097	68363	11177	11177	1	Si
163	0.096	7.6	0	-9063	SLV 13	-10443	-8821	-68363	-11177	-11177	1	Si
170	0.096	11.4	0	1410	SLV 3	2790	10097	68363	11177	11177	1	Si
170	0.096	7.6	0	-9204	SLV 13	-10583	-8821	-68363	-11177	-11177	1	Si
184	0.096	11.4	0	1129	SLV 3	2508	10097	68363	11177	11177	1	Si
184	0.096	7.6	0	-9485	SLV 13	-10865	-8821	-68363	-11177	-11177	1	Si
193	0.096	11.4	0	963	SLV 3	2343	10097	68363	11177	11177	1	Si
193	0.096	7.6	0	-9651	SLV 13	-11031	-8821	-68363	-11177	-11177	1	Si
198	0	11.4	0	847	SLV 3	2227	10097	68363	0	10097	1	Si
198	0	7.6	0	-9767	SLV 13	-11146	-8821	-68363	0	-8821	1	Si
205	0	11.4	0	707	SLV 3	2086	10097	68363	0	10097	1	Si
205	0	7.6	0	-9907	SLV 13	-11287	-8821	-68363	0	-8821	1	Si
213	0	11.4	0	566	SLV 3	1946	10097	68363	0	10097	1	Si
213	0	11.08	0	-10048	SLV 13	-11428	-10001	-68363	0	-10001	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	1833	SLD 3	1833	10097	68363	0	10097	1	Si
0	0	11.4	0	-2862	SLD 13	-2862	-10097	-68363	0	-10097	1	Si
14	0	11.4	0	1551	SLD 3	1551	10097	68363	0	10097	1	Si
14	0	11.4	0	-3144	SLD 13	-3144	-10097	-68363	0	-10097	1	Si
15	0.096	11.4	0	1534	SLD 3	1534	10097	68363	11177	11177	1	Si
15	0.096	11.4	0	-3161	SLD 13	-3161	-10097	-68363	-11177	-11177	1	Si
28	0.096	11.4	0	1269	SLD 3	1269	10097	68363	11177	11177	1	Si
28	0.096	11.4	0	-3426	SLD 13	-3426	-10097	-68363	-11177	-11177	1	Si
43	0.096	11.4	0	987	SLD 3	987	10097	68363	11177	11177	1	Si
43	0.096	11.4	0	-3708	SLD 13	-3708	-10097	-68363	-11177	-11177	1	Si
57	0.096	11.4	0	705	SLD 3	705	10097	68363	11177	11177	1	Si
57	0.096	11.4	0	-3990	SLD 13	-3990	-10097	-68363	-11177	-11177	1	Si
64	0.096	11.4	0	564	SLD 3	564	10097	68363	11177	11177	1	Si
64	0.096	11.4	0	-4131	SLD 13	-4131	-10097	-68363	-11177	-11177	1	Si
78	0.096	11.4	0	282	SLD 3	282	10097	68363	11177	11177	1	Si
78	0.096	11.4	0	-4413	SLD 13	-4413	-10097	-68363	-11177	-11177	1	Si
92	0.096	11.4	0	-4695	SLD 13	-4695	-10097	-68363	-11177	-11177	1	Si
106	0.096	11.4	0	-4977	SLD 13	-4977	-10097	-68363	-11177	-11177	1	Si
120	0.096	11.4	0	-5258	SLD 13	-5258	-10097	-68363	-11177	-11177	1	Si
135	0.096	11.4	0	-5540	SLD 13	-5540	-10097	-68363	-11177	-11177	1	Si
149	0.096	7.6	0	-5822	SLD 13	-5822	-8821	-68363	-11177	-11177	1	Si
163	0.096	7.6	0	-6103	SLD 13	-6103	-8821	-68363	-11177	-11177	1	Si
170	0.096	7.6	0	-6244	SLD 13	-6244	-8821	-68363	-11177	-11177	1	Si
184	0.096	7.6	0	-6526	SLD 13	-6526	-8821	-68363	-11177	-11177	1	Si
193	0.096	7.6	0	-6691	SLD 13	-6691	-8821	-68363	-11177	-11177	1	Si
198	0	7.6	0	-6807	SLD 13	-6807	-8821	-68363	0	-8821	1	Si
205	0	7.6	0	-6948	SLD 13	-6948	-8821	-68363	0	-8821	1	Si
213	0	11.08	0	-7088	SLD 13	-7088	-10001	-68363	0	-10001	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	707043	9	698851	27	124.5	1044.1	1837	602307	2	598397	23.1	93.4	0	+∞	Si
14	689514	9	689433	26.6	124.5	1030	1837	593020	2	592956	22.9	93.4	0	+∞	Si
15	688295	9	688295	26.6	124.5	1028.3	1837	592299	2	592299	22.9	93.4	0	+∞	Si
28	667667	9	688295	26.6	124.5	1028.3	1837	579736	2	592299	22.9	93.4	0	+∞	Si
43	641504	9	688295	26.6	124.5	1028.3	1837	562455	2	592299	22.9	93.4	0	+∞	Si
57	611024	9	668855	25.8	124.5	999.3	1837	541178	2	580476	22.4	93.4	0	+∞	Si
64	594166	9	656425	25.4	124.5	980.7	1837	529042	2	572438	22.1	93.4	0	+∞	Si
78	557214	9	628327	24.3	124.5	938.7	1837	501773	2	553367	21.4	93.4	0	+∞	Si
92	515948	9	595913	23	124.5	890.3	1837	470510	2	530299	20.5	93.4	0	+∞	Si
106	470370	9	559184	21.6	124.5	835.4	1837	435255	2	503237	19.4	93.4	0	+∞	Si
120	420480	9	518142	20	124.5	774.1	1837	396007	2	472182	18.2	93.4	0	+∞	Si
135	369831	3	472787	18.3	124.5	706.3	1837	352768	2	437133	16.9	93.4	0	+∞	Si
149	322447	2	423120	15.5	124.5	630	1837	305538	2	398092	14.6	93.4	0	+∞	Si
163	272614	2	372217	13.4	124.5	553.6	1837	254318	2	355060	12.8	93.4	0	+∞	Si
170	246201	2	348293	12.4	124.5	517.7	1837	227213	2	332047	11.8	93.4	0	+∞	Si
184	190385	2	300559	10.5	124.5	446.4	1837	170010	2	283029	9.9	93.4	0	+∞	Si
193	155608	2	270683	9.4	124.5	401.8	1837	134418	2	252337	8.7	93.4	0	+∞	Si
198	130580	2	130580	4.5	124.5	193.8	1837	108820	2	108820	3.8	93.4	0	+∞	Si
213	66789	2	66789	2.3	124.5	99.1	1837	43642	2	43642	1.5	93.4	0	+∞	Si
213	-49356	8	-23283	0.8	124.5	26.3	1837								Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
14	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
15	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
28	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
43	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
57	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
64	0.007	0.006	0.006	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.015	2	0.014	2	9999	Si
78	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.015	2	9999	Si
92	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.007	0.007	0.016	2	0.016	2	9999	Si
106	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.015	2	9999	Si
120	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.015	2	9999	Si
135	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
149	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.012	2	0.012	2	9999	Si
163	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.009	2	9999	Si
170	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
184	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
193	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
198	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	-813	-6687	-11177	SLV 13	0.55	2219	1.594	592299	222665	1414576	SLV 1	0.57	2474	1.666	Si
28	-1079	-6687	-11177	SLV 13	0.54	2070	1.549	539921	430080	1414576	SLV 1	0.57	2474	1.666	Si
43	-1361	-6687	-11177	SLV 13	0.52	1919	1.502	514442	499721	1414576	SLV 1	0.57	2474	1.666	Si
57	-1643	-6687	-11177	SLV 13	0.51	1775	1.454	484969	569568	1414576	SLV 1	0.57	2474	1.666	Si
64	-1784	-6687	-11177	SLV 13	0.5	1706	1.431	468735	604582	1414576	SLV 1	0.56	2275	1.61	Si
78	-2066	-6687	-11177	SLV 13	0.49	1572	1.384	433273	674814	1414576	SLV 1	0.52	1871	1.486	Si
92	-2348	-6687	-11177	SLV 13	0.47	1445	1.337	393818	745360	1414576	SLV 1	0.49	1594	1.392	Si
106	-2629	-6687	-11177	SLV 13	0.46	1327	1.291	350372	816266	1414576	SLV 1	0.47	1398	1.319	Si
120	-2911	-6687	-11177	SLV 13	0.45	1214	1.245	302936	887573	1414576	SLV 1	0.45	1257	1.262	Si
135	-3193	-6687	-11177	SLV 13	0.43	1108	1.199	251510	959307	1414576	SLV 1	0.44	1153	1.219	Si
149	-3474	-6687	-11177	SLV 13	0.42	1007	1.153	196095	1031474	1414407	SLV 1	0.43	1076	1.184	Si
163	-3756	-6687	-11177	SLV 13	0.4	917	1.109	136691	1104060	1414365	SLV 1	0.42	1020	1.159	Si
170	-3897	-6687	-11177	SLV 13	0.39	875	1.088	134418	1106723	1414342	SLV 1	0.42	1018	1.158	Si
184	-4178	-6687	-11177	SLV 13	0.38	795	1.046	134418	1106723	1414311	SLV 1	0.42	1018	1.158	Si
193	-4344	-6687	-11177	SLV 13	0.37	750	1.022	134418	1106723	1414287	SLV 1	0.42	1018	1.158	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	-813	-2347	-11177	SLD 13	0.58	2474	4.193	592299	98507	1414576	SLD 1	0.6	2474	4.193	Si
28	-1079	-2347	-11177	SLD 13	0.57	2397	4.139	539921	190249	1414576	SLD 1	0.6	2474	4.193	Si
43	-1361	-2347	-11177	SLD 13	0.55	2221	4.012	514442	221052	1414576	SLD 1	0.54	2069	3.897	Si
57	-1643	-2347	-11177	SLD 13	0.54	2054	3.885	486641	250342	1414576	SLD 1	0.49	1608	3.514	Si
64	-1784	-2347	-11177	SLD 13	0.53	1975	3.823	486641	250342	1414576	SLD 1	0.49	1608	3.514	Si
78	-2066	-2347	-11177	SLD 13	0.51	1820	3.697	486641	250342	1414576	SLD 1	0.49	1608	3.514	Si
92	-2348	-2347	-11177	SLD 13	0.5	1673	3.572	393818	329701	1414576	SLD 1	0.42	996	2.887	Si
106	-2629	-2347	-11177	SLD 13	0.48	1534	3.447	350372	361064	1414576	SLD 1	0.4	881	2.746	Si
120	-2911	-2347	-11177	SLD 13	0.47	1404	3.324	302936	392604	1414576	SLD 1	0.38	799	2.638	Si
135	-3193	-2347	-11177	SLD 13	0.45	1280	3.2	251510	424334	1414576	SLD 1	0.37	738	2.553	Si
149	-3474	-2347	-11177	SLD 13	0.44	1164	3.078	196095	456254	1414407	SLD 1	0.36	692	2.487	Si
163	-3756	-2347	-11177	SLD 13	0.42	1053	2.954	136691	488361	1414365	SLD 1	0.35	659	2.438	Si
170	-3897	-2347	-11177	SLD 13	0.42	999	2.891	134418	489539	1414342	SLD 1	0.35	658	2.436	Si
184	-4178	-2347	-11177	SLD 13	0.4	906	2.777	134418	489539	1414311	SLD 1	0.35	658	2.436	Si
193	-4344	-2347	-11177	SLD 13	0.39	855	2.712	134418	489539	1414287	SLD 1	0.35	658	2.436	Si

Campata 5 tra i fili 53 - 54, sezione R 40x70, asta 1199

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	37120	SLU 2	37120	1414287	0.085	-139544	SLU 35	-93248	-1865107	0.093	Si
20	15.21	5.4	11.4	5.4	96699	SLU 20	172742	1414287	0.085	-56479	SLU 17	-56479	-1865107	0.093	Si
40	13.32	5.4	10.84	5.4	151304	SLU 20	215333	1347594	0.085	12341	SLU 17	-56479	-1641645	0.089	Si
60	11.43	5.4	9.49	5.4	196132	SLU 20	250676	1187870	0.083	71727	SLU 17	-17800	-1418102	0.086	Si
70	7.6	5.4	7.6	5.4	217321	SLU 29	264398	962923	0.078						Si
90	7.6	5.4	7.6	5.4	252174	SLU 29	283947	962923	0.078						Si
110	7.6	5.4	7.6	5.4	276497	SLU 29	292971	962923	0.078						Si
130	7.6	5.4	7.6	5.4	290294	SLU 29	296374	962923	0.078						Si
140	7.6	5.4	7.6	5.4	293245	SLU 29	296477	962923	0.078						Si
150	7.6	5.4	7.6	5.4	295372	SLU 34	296477	962923	0.078						Si
170	7.6	5.4	7.6	5.4	295258	SLU 36	296477	962923	0.078						Si
190	7.6	5.4	13.26	5.4	285640	SLU 36	296313	1634713	0.091						Si
210	9.51	5.4	15.21	5.4	264554	SLU 36	291302	1865305	0.094						Si
220	9.98	5.4	14.67	5.4	249711	SLU 36	284793	1802124	0.092						Si
240	10.92	5.4	15.21	5.4	215646	SLU 35	263174	1865111	0.093						Si
260	11.4	5.4	13.52	5.4	170679	SLU 35	232140	1665549	0.089						Si
273	11.4	5.4	15.21	5.4	136485	SLU 35	208426	1865107	0.093						Si
280	11.4	5.4	15.21	5.4	114250	SLU 35	114250	1865107	0.093						Si
300	11.4	5.4	15.21	5.4	49551	SLU 17	49551	1865107	0.093	-27616	SLU 20	-25127	-1414287	0.085	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	627658	SLV 13	587697	1414287	0.085	-655940	SLV 3	-555922	-1865107	0.093	Si
20	15.21	5.4	11.4	5.4	543577	SLV 13	543577	1414287	0.085	-459686	SLV 3	-459686	-1865107	0.093	Si
40	13.32	5.4	10.84	5.4	451691	SLV 13	543577	1347594	0.085	-271511	SLV 3	-459686	-1641645	0.089	Si
60	11.43	5.4	9.49	5.4	376293	SLV 9	494238	1187870	0.083	-115702	SLV 7	-355925	-1418102	0.086	Si
70	7.6	5.4	7.6	5.4	351710	SLV 9	447153	962923	0.078	-56866	SLV 7	-263049	-962923	0.078	Si
90	7.6	5.4	7.6	5.4	314743	SLV 5	434830	962923	0.078	36705	SLV 11	-110230	-962923	0.078	Si
110	7.6	5.4	7.6	5.4	377211	SLV 1	559590	962923	0.078	14973	SLV 15	-136643	-962923	0.078	Si
130	7.6	5.4	7.6	5.4	503073	SLV 1	689441	962923	0.078	-86013	SLV 15	-264668	-962923	0.078	Si
150	7.6	5.4	7.6	5.4	630390	SLV 1	822849	962923	0.078	-204313	SLV 15	-412100	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	763917	SLV 3	947702	962923	0.078	-344677	SLV 13	-566828	-962923	0.078	Si
190	7.6	5.4	13.26	5.4	892087	SLV 3	1064912	1634713	0.091	-495534	SLV 13	-729757	-963517	0.08	Si
210	9.51	5.4	15.21	5.4	1012801	SLV 3	1174312	1865305	0.094	-654782	SLV 13	-900720	-1189605	0.083	Si
220	9.98	5.4	14.67	5.4	1070255	SLV 3	1226065	1802124	0.092	-737445	SLV 13	-989195	-1245480	0.083	Si
240	10.92	5.4	15.21	5.4	1179291	SLV 3	1323661	1865111	0.093	-908780	SLV 13	-1172111	-1357225	0.085	Si
260	11.4	5.4	13.52	5.4	1280462	SLV 3	1339505	1665549	0.089	-1088089	SLV 13	-1204381	-1414332	0.085	Si
273	11.4	5.4	15.21	5.4	1339505	SLV 3	1339505	1865107	0.093	-1204381	SLV 13	-1204381	-1414287	0.085	Si
280	11.4	5.4	15.21	5.4	1373746	SLV 3	1369423	1865107	0.093	-1275348	SLV 13	-1265376	-1414287	0.085	Si
300	11.4	5.4	15.21	5.4	1459219	SLV 3	1403016	1865107	0.093	-1470459	SLV 13	-1333861	-1414287	0.085	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	269621	SLD 13	268699	1414287	0.085	-297903	SLD 3	-236923	-1865107	0.093	Si
20	15.21	5.4	11.4	5.4	263723	SLD 13	263723	1414287	0.085	-179833	SLD 3	-179833	-1865107	0.093	Si
40	13.32	5.4	10.84	5.4	249944	SLD 13	263723	1347594	0.085	-69764	SLD 3	-179833	-1641645	0.089	Si
60	11.43	5.4	9.49	5.4	239115	SLD 9	257083	1187870	0.083	21476	SLD 7	-118770	-1418102	0.086	Si
70	7.6	5.4	7.6	5.4	237790	SLD 9	249031	962923	0.078	57055	SLD 7	-64927	-962923	0.078	Si
90	7.6	5.4	7.6	5.4	237234	SLD 5	305355	962923	0.078						Si
110	7.6	5.4	7.6	5.4	276228	SLD 1	365452	962923	0.078						Si
130	7.6	5.4	7.6	5.4	338820	SLD 1	423382	962923	0.078						Si
150	7.6	5.4	7.6	5.4	397633	SLD 1	478465	962923	0.078	28444	SLD 15	-67716	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	454773	SLD 3	525344	962923	0.078	-35533	SLD 13	-144470	-962923	0.078	Si
190	7.6	5.4	13.26	5.4	505124	SLD 3	564425	1634713	0.091	-108571	SLD 13	-229270	-963517	0.08	Si
210	9.51	5.4	15.21	5.4	547758	SLD 3	595633	1865305	0.094	-189739	SLD 13	-322041	-1189605	0.083	Si
220	9.98	5.4	14.67	5.4	566134	SLD 3	608277	1802124	0.092	-233324	SLD 13	-371406	-1245480	0.083	Si
240	10.92	5.4	15.21	5.4	596975	SLD 3	627639	1865111	0.093	-326464	SLD 13	-476089	-1357225	0.085	Si
260	11.4	5.4	13.52	5.4	619921	SLD 3	630064	1665549	0.089	-427549	SLD 13	-494941	-1414332	0.085	Si
273	11.4	5.4	15.21	5.4	630064	SLD 3	630064	1865107	0.093	-494941	SLD 13	-494941	-1414287	0.085	Si
280	11.4	5.4	15.21	5.4	634963	SLD 3	634627	1865107	0.093	-536565	SLD 13	-530580	-1414287	0.085	Si
300	11.4	5.4	15.21	5.4	642183	SLD 3	639751	1865107	0.093	-653422	SLD 13	-570595	-1414287	0.085	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.43	0	4925	SLU 35	4925	10106	68363	0	10106	1	Si
10	0	7.6	0	4638	SLU 35	4638	8821	68363	0	8821	1	Si
20	0.101	7.6	0	4350	SLU 35	4350	8821	68363	11671	11671	1	Si
40	0.101	7.6	0	3776	SLU 35	3776	8821	68363	11671	11671	1	Si
60	0.101	7.6	0	3201	SLU 35	3201	8821	68363	11671	11671	1	Si
70	0.101	7.6	0	2914	SLU 35	2914	8821	68363	11671	11671	1	Si
90	0.101	7.6	0	2340	SLU 35	2340	8821	68363	11671	11671	1	Si
110	0.089	7.6	0	1766	SLU 35	1766	8821	68363	10374	10374	1	Si
130	0.089	7.6	0	1192	SLU 35	1192	8821	68363	10374	10374	1	Si
150	0.089	7.6	0	619	SLU 35	619	8821	68363	10374	10374	1	Si
150	0.089	7.6	0	-207	SLU 2	-207	-8821	-68363	-10374	-10374	1	Si
170	0.089	7.6	0	142	SLU 17	142	8821	68363	10374	10374	1	Si
170	0.089	7.6	0	-689	SLU 20	-689	-8821	-68363	-10374	-10374	1	Si
190	0.089	7.6	0	-1177	SLU 20	-1177	-8821	-68363	-10374	-10374	1	Si
210	0.101	7.6	0	-1677	SLU 29	-1677	-8821	-68363	-11671	-11671	1	Si
220	0.101	7.6	0	-1940	SLU 29	-1940	-8821	-68363	-11671	-11671	1	Si
240	0.101	11.91	0	-2466	SLU 29	-2466	-10245	-68363	-11671	-11671	1	Si
260	0.101	14.61	0	-2991	SLU 29	-2991	-10965	-68363	-11671	-11671	1	Si
273	0.101	15.21	0	-3320	SLU 29	-3320	-11113	-68363	-11671	-11671	1	Si
280	0	14.67	0	-3517	SLU 29	-3517	-10982	-68363	0	-10982	1	Si
300	0	10.92	0	-3980	SLU 29	-3980	-9953	-68363	0	-9953	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.43	0	10021	SLV 3	11845	10106	68363	0	10106	1	Si
0	0	9.49	0	-4015	SLV 13	-5840	-9499	-68363	0	-9499	1	Si
10	0	7.6	0	9822	SLV 3	11647	8821	68363	0	8821	1	Si
10	0	7.6	0	-4214	SLV 13	-6038	-8821	-68363	0	-8821	1	Si
20	0.101	7.6	0	9624	SLV 3	11448	8821	68363	11671	11671	1	Si
20	0.101	7.6	0	-4412	SLV 13	-6237	-8821	-68363	-11671	-11671	1	Si
40	0.101	7.6	0	9227	SLV 3	11051	8821	68363	11671	11671	1	Si
40	0.101	7.6	0	-4809	SLV 13	-6634	-8821	-68363	-11671	-11671	1	Si
60	0.101	7.6	0	8830	SLV 3	10654	8821	68363	11671	11671	1	Si
60	0.101	7.6	0	-5206	SLV 13	-7031	-8821	-68363	-11671	-11671	1	Si
70	0.101	7.6	0	8631	SLV 3	10456	8821	68363	11671	11671	1	Si
70	0.101	7.6	0	-5404	SLV 13	-7229	-8821	-68363	-11671	-11671	1	Si
90	0.101	7.6	0	8235	SLV 3	10059	8821	68363	11671	11671	1	Si
90	0.101	7.6	0	-5801	SLV 13	-7626	-8821	-68363	-11671	-11671	1	Si
110	0.089	7.6	0	7838	SLV 3	9663	8821	68363	10374	10374	1	Si
110	0.089	7.6	0	-6198	SLV 13	-8022	-8821	-68363	-10374	-10374	1	Si
130	0.089	7.6	0	7441	SLV 3	9266	8821	68363	10374	10374	1	Si
130	0.089	7.6	0	-6594	SLV 13	-8419	-8821	-68363	-10374	-10374	1	Si
150	0.089	7.6	0	7045	SLV 3	8870	8821	68363	10374	10374	1	Si
150	0.089	7.6	0	-6991	SLV 13	-8815	-8821	-68363	-10374	-10374	1	Si
170	0.089	7.6	0	6649	SLV 3	8473	8821	68363	10374	10374	1	Si
170	0.089	7.6	0	-7387	SLV 13	-9212	-8821	-68363	-10374	-10374	1	Si
190	0.089	7.6	0	6253	SLV 3	8077	8821	68363	10374	10374	1	Si
190	0.089	7.6	0	-7783	SLV 13	-9608	-8821	-68363	-10374	-10374	1	Si
210	0.101	7.6	0	5856	SLV 3	7681	8821	68363	11671	11671	1	Si
210	0.101	7.6	0	-8179	SLV 13	-10004	-8821	-68363	-11671	-11671	1	Si
220	0.101	7.6	0	5658	SLV 3	7483	8821	68363	11671	11671	1	Si
220	0.101	7.6	0	-8377	SLV 13	-10202	-8821	-68363	-11671	-11671	1	Si
240	0.101	11.91	0	5262	SLV 3	7087	10245	68363	11671	11671	1	Si
240	0.101	7.6	0	-8773	SLV 13	-10598	-8821	-68363	-11671	-11671	1	Si
260	0.101	14.61	0	4866	SLV 3	6691	10965	68363	11671	11671	1	Si
260	0.101	7.6	0	-9169	SLV 13	-10994	-8821	-68363	-11671	-11671	1	Si
273	0.101	15.21	0	4619	SLV 3	6444	11113	68363	11671	11671	1	Si
273	0.101	9.51	0	-9417	SLV 13	-11241	-9503	-68363	-11671	-11671	1	Si
280	0	14.67	0	4471	SLV 3	6295	10982	68363	0	10982	1	Si
280	0	9.98	0	-9565	SLV 13	-11390	-9658	-68363	0	-9658	1	Si
300	0	15.21	0	4121	SLV 3	5945	11113	68363	0	11113	1	Si
300	0	10.92	0	-9915	SLV 13	-11739	-9953	-68363	0	-9953	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.43	0	6106	SLD 3	6106	10106	68363	0	10106	1	Si
0	0	9.49	0	-100	SLD 13	-100	-9499	-68363	0	-9499	1	Si
10	0	7.6	0	5908	SLD 3	5908	8821	68363	0	8821	1	Si
10	0	7.6	0	-299	SLD 13	-299	-8821	-68363	0	-8821	1	Si
20	0.101	7.6	0	5709	SLD 3	5709	8821	68363	11671	11671	1	Si
20	0.101	7.6	0	-498	SLD 13	-498	-8821	-68363	-11671	-11671	1	Si
40	0.101	7.6	0	5312	SLD 3	5312	8821	68363	11671	11671	1	Si
40	0.101	7.6	0	-895	SLD 13	-895	-8821	-68363	-11671	-11671	1	Si
60	0.101	7.6	0	4915	SLD 3	4915	8821	68363	11671	11671	1	Si
60	0.101	7.6	0	-1291	SLD 13	-1291	-8821	-68363	-11671	-11671	1	Si
70	0.101	7.6	0	4717	SLD 3	4717	8821	68363	11671	11671	1	Si
70	0.101	7.6	0	-1490	SLD 13	-1490	-8821	-68363	-11671	-11671	1	Si
90	0.101	7.6	0	4320	SLD 3	4320	8821	68363	11671	11671	1	Si
90	0.101	7.6	0	-1887	SLD 13	-1887	-8821	-68363	-11671	-11671	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
110	0.089	7.6	0	3923	SLD 3	3923	8821	68363	10374	10374	1	Si
110	0.089	7.6	0	-2283	SLD 13	-2283	-8821	-68363	-10374	-10374	1	Si
130	0.089	7.6	0	3527	SLD 3	3527	8821	68363	10374	10374	1	Si
130	0.089	7.6	0	-2680	SLD 13	-2680	-8821	-68363	-10374	-10374	1	Si
150	0.089	7.6	0	3131	SLD 3	3131	8821	68363	10374	10374	1	Si
150	0.089	7.6	0	-3076	SLD 13	-3076	-8821	-68363	-10374	-10374	1	Si
170	0.089	7.6	0	2734	SLD 3	2734	8821	68363	10374	10374	1	Si
170	0.089	7.6	0	-3472	SLD 13	-3472	-8821	-68363	-10374	-10374	1	Si
190	0.089	7.6	0	2338	SLD 3	2338	8821	68363	10374	10374	1	Si
190	0.089	7.6	0	-3869	SLD 13	-3869	-8821	-68363	-10374	-10374	1	Si
210	0.101	7.6	0	1942	SLD 3	1942	8821	68363	11671	11671	1	Si
210	0.101	7.6	0	-4265	SLD 13	-4265	-8821	-68363	-11671	-11671	1	Si
220	0.101	7.6	0	1744	SLD 3	1744	8821	68363	11671	11671	1	Si
220	0.101	7.6	0	-4463	SLD 13	-4463	-8821	-68363	-11671	-11671	1	Si
240	0.101	11.91	0	1348	SLD 3	1348	10245	68363	11671	11671	1	Si
240	0.101	7.6	0	-4859	SLD 13	-4859	-8821	-68363	-11671	-11671	1	Si
260	0.101	14.61	0	952	SLD 3	952	10965	68363	11671	11671	1	Si
260	0.101	7.6	0	-5255	SLD 13	-5255	-8821	-68363	-11671	-11671	1	Si
273	0.101	15.21	0	704	SLD 3	704	11113	68363	11671	11671	1	Si
273	0.101	9.51	0	-5502	SLD 13	-5502	-9503	-68363	-11671	-11671	1	Si
280	0	14.67	0	556	SLD 3	556	10982	68363	0	10982	1	Si
280	0	9.98	0	-5651	SLD 13	-5651	-9658	-68363	0	-9658	1	Si
300	0	15.21	0	206	SLD 3	206	11113	68363	0	11113	1	Si
300	0	10.92	0	-6000	SLD 13	-6000	-9953	-68363	0	-9953	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	6109	2	6109	0.2	124.5	9.1	1837								Si
0	-95166	8	-58882	1.9	124.5	66.4	1837	-44516	1	-14141	0.5	93.4	0	+∞	Si
20	60374	2	125004	4.3	124.5	185.5	1837	41945	2	109223	3.8	93.4	0	+∞	Si
20	-26887	8	-26887	0.9	124.5	30.3	1837								Si
40	106697	2	159789	5.8	124.5	249.4	1837	90090	2	145829	5.3	93.4	0	+∞	Si
60	145081	2	186638	7.3	124.5	331.8	1837	130296	2	174500	6.8	93.4	0	+∞	Si
70	161297	2	197088	5.1	124.5	77	1837	147422	2	185860	8.3	93.4	0	+∞	Si
90	187777	2	212037	5.5	124.5	82.9	1837	175724	2	202632	9.1	93.4	0	+∞	Si
110	206324	2	219057	5.7	124.5	85.6	1837	196092	2	211473	9.5	93.4	0	+∞	Si
130	216940	2	221418	5.8	124.5	86.5	1837	208530	2	213038	9.6	93.4	0	+∞	Si
150	220831	7	221479	5.8	124.5	86.6	1837	213038	2	213038	9.6	93.4	0	+∞	Si
170	220348	9	221479	5.8	124.5	86.6	1837	209620	2	213038	9.6	93.4	0	+∞	Si
190	212617	9	221340	8.1	124.5	286.1	1837	198277	2	212069	7.8	93.4	0	+∞	Si
210	196328	9	217093	7.4	124.5	245.4	1837	179009	2	204319	6.9	93.4	0	+∞	Si
220	184975	9	211959	7.2	124.5	247.8	1837	166405	2	197473	6.7	93.4	0	+∞	Si
240	158666	8	195272	6.5	124.5	220.4	1837	137667	1	177837	5.9	93.4	0	+∞	Si
260	124177	8	171397	5.9	124.5	216.4	1837	101330	1	151452	5.2	93.4	0	+∞	Si
273	98078	8	153118	5.1	124.5	172.7	1837	74413	1	131775	4.4	93.4	0	+∞	Si
280	81136	8	81136	2.7	124.5	91.5	1837	57075	1	57075	1.9	93.4	0	+∞	Si
300	29643	8	29643	1	124.5	33.4	1837	4989	1	4989	0.2	93.4	0	+∞	Si
300	-12692	2	-12692	0.4	124.5	18.8	1837	-5620	2	-5620	0.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
40	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
60	0.004	0.003	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
70	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si
90	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
110	0.006	0.006	0.005	0.004	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
130	0.007	0.006	0.006	0.005	0.007	0.006	0.005	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
150	0.007	0.006	0.006	0.005	0.007	0.006	0.005	0.005	0.007	0.006	0.014	2	0.013	2	9999	Si
170	0.007	0.006	0.006	0.005	0.007	0.006	0.005	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
190	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
210	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
220	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.01	2	9999	Si
240	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
260	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
273	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
280	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	2606	8842	11671	SLV 3	0.37	756	1.025	41945	501631	1414287	SLV 13	0.57	2474	1.666	Si
40	2209	8842	11671	SLV 3	0.39	839	1.07	41945	501631	1347594	SLV 13	0.57	2474	1.666	Si
60	1812	8842	11671	SLV 3	0.4	928	1.115	69156	425082	1187870	SLV 13	0.57	2474	1.666	Si
70	1613	8842	11671	SLV 3	0.41	974	1.137	92052	355101	962923	SLV 13	0.57	2474	1.666	Si
90	1217	8842	11671	SLV 3	0.43	1079	1.186	202632	232198	962923	SLV 1	0.57	2474	1.666	Si
110	820	8842	10374	SLV 3	0.39	859	1.08	211473	348117	962923	SLV 1	0.57	2474	1.666	Si
130	424	8842	10374	SLV 3	0.41	949	1.125	212387	477054	962923	SLV 3	0.56	2310	1.62	Si
150	27	8842	10374	SLV 3	0.42	1050	1.173	205374	617475	962923	SLV 3	0.44	1190	1.234	Si
170	-369	-8842	-10374	SLV 13	0.41	962	1.131	190437	757265	962923	SLV 3	0.37	747	1.02	Si
190	-765	-8842	-10374	SLV 13	0.39	871	1.086	167577	-897335	-963517	SLV 13	0.45	1278	1.271	Si
210	-1161	-8842	-11671	SLV 13	0.43	1094	1.193	136796	-1037516	-1189605	SLV 13	0.46	1327	1.291	Si
220	-1359	-8842	-11671	SLV 13	0.42	1040	1.168	118435	-1107630	-1245480	SLV 13	0.44	1202	1.239	Si
240	-1755	-8842	-11671	SLV 13	0.41	941	1.121	75775	-1247886	-1357225	SLV 13	0.42	999	1.149	Si
260	-2151	-8842	-11671	SLV 13	0.39	852	1.076	67562	-1271943	-1414332	SLV 13	0.42	1038	1.167	Si
273	-2399	-8842	-11671	SLV 13	0.38	799	1.048	67562	-1271943	-1414287	SLV 13	0.42	1038	1.167	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	2606	3103	11671	SLD 3	0.39	861	2.72	41945	221778	1414287	SLD 13	0.6	2474	4.193	Si
40	2209	3103	11671	SLD 3	0.41	957	2.841	41945	221778	1347594	SLD 13	0.6	2474	4.193	Si
60	1812	3103	11671	SLD 3	0.43	1067	2.97	69156	187926	1187870	SLD 13	0.6	2474	4.193	Si
70	1613	3103	11671	SLD 3	0.43	1127	3.037	92052	156979	962923	SLD 13	0.6	2474	4.193	Si
90	1217	3103	11671	SLD 3	0.45	1248	3.167	202632	102723	962923	SLD 1	0.6	2474	4.193	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
110	820	3103	10374	SLD 3	0.41	980	2.868	211473	153979	962923	SLD 1	0.6	2474	4.193	Si
130	424	3103	10374	SLD 3	0.43	1095	3.002	212387	210995	962923	SLD 3	0.47	1442	3.36	Si
150	27	3103	10374	SLD 3	0.45	1214	3.132	205374	273091	962923	SLD 3	0.37	760	2.584	Si
170	-369	-3103	-10374	SLD 13	0.43	1110	3.019	190437	334907	962923	SLD 3	0.31	487	2.153	Si
190	-765	-3103	-10374	SLD 13	0.42	996	2.887	167577	-396847	-963517	SLD 13	0.38	811	2.654	Si
210	-1161	-3103	-11671	SLD 13	0.45	1265	3.185	136796	-458837	-1189605	SLD 13	0.39	840	2.693	Si
220	-1359	-3103	-11671	SLD 13	0.44	1204	3.121	118435	-489842	-1245480	SLD 13	0.37	767	2.594	Si
240	-1755	-3103	-11671	SLD 13	0.43	1085	2.991	75775	-551864	-1357225	SLD 13	0.35	647	2.419	Si
260	-2151	-3103	-11671	SLD 13	0.41	971	2.857	67562	-562502	-1414332	SLD 13	0.36	671	2.456	Si
273	-2399	-3103	-11671	SLD 13	0.4	910	2.782	67562	-562502	-1414287	SLD 13	0.36	671	2.456	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 55-57

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 55 - 56, sezione R 40x70, asta 1200

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	596184	SLU 36	591732	1865107	0.093						Si
20	11.4	5.4	15.21	5.4	579661	SLU 36	579661	1865107	0.093						Si
23	11.4	5.4	15.21	5.4	576376	SLU 36	579661	1865107	0.093						Si
46	11.23	5.4	15.21	5.4	535045	SLU 36	579661	1865104	0.093						Si
69	10.14	5.4	15.21	5.4	472190	SLU 36	547373	1865229	0.093						Si
80	9.6	5.4	15.21	5.4	432692	SLU 36	521476	1865289	0.094						Si
103	7.6	5.4	15.21	5.4	337553	SLU 36	453540	1865528	0.096						Si
126	7.6	5.4	13.66	5.4	226444	SLU 30	364082	1682622	0.092						Si
149	7.6	5.4	7.6	5.4	99556	SLU 29	256418	962923	0.078	41189	SLU 8	-138318	-962923	0.078	Si
172	7.6	5.4	7.6	5.4	-24943	SLU 2	133451	962923	0.078	-93474	SLU 35	-319300	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	-145546	SLU 2	3873	962923	0.078	-268776	SLU 35	-521805	-962923	0.078	Si
218	7.6	5.4	7.6	5.4						-465600	SLU 35	-748720	-962923	0.078	Si
230	7.6	5.4	7.6	5.4						-572084	SLU 35	-871770	-962923	0.078	Si
241	10.76	5.4	7.6	5.4						-685269	SLU 36	-1000201	-1338168	0.085	Si
253	11.84	5.4	7.6	5.4						-805480	SLU 36	-1134014	-1466898	0.087	Si
276	19.1	6.5	7.6	5.4						-1062043	SLU 36	-1417780	-2285379	0.109	Si
299	22.46	6.7	7.6	5.4						-1340129	SLU 36	-1680924	-2663459	0.125	Si
322	22.81	6.7	7.6	5.4						-1639739	SLU 36	-1680924	-2701330	0.127	Si
325	22.81	6.7	7.6	5.4						-1680924	SLU 36	-1680924	-2701330	0.127	Si
345	22.81	6.7	7.6	5.4						-1960872	SLU 36	-1817090	-2701330	0.127	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	1802272	SLV 13	1741243	1865107	0.093	-1073732	SLV 3	-1010007	-1414287	0.085	Si
20	11.4	5.4	15.21	5.4	1674698	SLV 13	1674698	1865107	0.093	-951716	SLV 3	-951716	-1414287	0.085	Si
23	11.4	5.4	15.21	5.4	1654982	SLV 13	1674698	1865107	0.093	-933994	SLV 3	-951716	-1414287	0.085	Si
46	11.23	5.4	15.21	5.4	1492236	SLV 13	1674698	1865104	0.093	-809735	SLV 3	-951716	-1393541	0.085	Si
69	10.14	5.4	15.21	5.4	1314038	SLV 13	1536206	1865229	0.093	-700962	SLV 3	-841507	-1265040	0.084	Si
80	9.6	5.4	15.21	5.4	1219147	SLV 13	1451077	1865289	0.094	-652384	SLV 3	-783141	-1200784	0.083	Si
103	7.6	5.4	15.21	5.4	1017790	SLV 13	1269233	1865528	0.096	-566856	SLV 3	-678025	-963633	0.08	Si
126	7.6	5.4	13.66	5.4	801017	SLV 13	1071948	1682622	0.092	-496850	SLV 3	-588405	-963545	0.08	Si
149	7.6	5.4	7.6	5.4	568875	SLV 13	859242	962923	0.078	-442410	SLV 3	-514300	-962923	0.078	Si
172	7.6	5.4	7.6	5.4	321482	SLV 13	631152	962923	0.078	-403655	SLV 3	-455748	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	59274	SLV 13	387771	962923	0.078	-381023	SLV 3	-412841	-962923	0.078	Si
218	7.6	5.4	7.6	5.4	-214163	SLV 13	129419	962923	0.078	-378098	SLV 3	-603268	-962923	0.078	Si
241	10.76	5.4	7.6	5.4						-524533	SLV 13	-913630	-1338168	0.085	Si
253	11.84	5.4	7.6	5.4						-673702	SLV 13	-1075811	-1466898	0.087	Si
276	19.1	6.5	7.6	5.4						-989177	SLV 13	-1412277	-2285379	0.109	Si
299	22.46	6.7	7.6	5.4						-1321448	SLV 13	-1716456	-2663459	0.125	Si
322	22.81	6.7	7.6	5.4						-1669526	SLV 13	-1716456	-2701330	0.127	Si
325	22.81	6.7	7.6	5.4						-1716456	SLV 13	-1716456	-2701330	0.127	Si
345	22.81	6.7	7.6	5.4						-2033211	SLV 13	-1872186	-2701330	0.127	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	1000178	SLD 13	973945	1865107	0.093	-271638	SLD 3	-242708	-1414287	0.085	Si
20	11.4	5.4	15.21	5.4	942219	SLD 13	942219	1865107	0.093	-219236	SLD 3	-219236	-1414287	0.085	Si
23	11.4	5.4	15.21	5.4	932945	SLD 13	942219	1865107	0.093	-211957	SLD 3	-219236	-1414287	0.085	Si
46	11.23	5.4	15.21	5.4	850249	SLD 13	942219	1865104	0.093	-167749	SLD 3	-219236	-1393541	0.085	Si
69	10.14	5.4	15.21	5.4	752093	SLD 13	873094	1865229	0.093	-139017	SLD 3	-178395	-1265040	0.084	Si
80	9.6	5.4	15.21	5.4	697217	SLD 13	827988	1865289	0.094	-130455	SLD 3	-160052	-1200784	0.083	Si
103	7.6	5.4	15.21	5.4	575877	SLD 13	726182	1865528	0.096	-124944	SLD 3	-140627	-963633	0.08	Si
126	7.6	5.4	13.66	5.4	439091	SLD 13	608920	1682622	0.092	-134924	SLD 3	-170220	-963545	0.08	Si
149	7.6	5.4	7.6	5.4	286880	SLD 13	476210	962923	0.078	-160415	SLD 3	-215408	-962923	0.078	Si
172	7.6	5.4	7.6	5.4	119296	SLD 13	328068	962923	0.078	-201469	SLD 3	-276524	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	-63474	SLD 13	164535	962923	0.078	-258276	SLD 3	-358858	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
218	7.6	5.4	7.6	5.4						-332393	SLD 3	-539793	-962923	0.078	Si
230	7.6	5.4	7.6	5.4						-384726	SLD 1	-653650	-962923	0.078	Si
241	10.76	5.4	7.6	5.4						-481070	SLD 13	-772030	-1338168	0.085	Si
253	11.84	5.4	7.6	5.4						-592324	SLD 13	-894472	-1466898	0.087	Si
276	19.1	6.5	7.6	5.4						-828851	SLD 13	-1151177	-2285379	0.109	Si
299	22.46	6.7	7.6	5.4						-1081425	SLD 13	-1386116	-2663459	0.125	Si
322	22.81	6.7	7.6	5.4						-1349615	SLD 13	-1386116	-2701330	0.127	Si
325	22.81	6.7	7.6	5.4						-1386116	SLD 13	-1386116	-2701330	0.127	Si
345	22.81	6.7	7.6	5.4						-1633333	SLD 13	-1507026	-2701330	0.127	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	663	SLU 19	663	11113	68363	0	11113	1	Si
0	0	15.21	0	-664	SLU 14	-664	-11113	-68363	0	-11113	1	Si
20	0.101	15.21	0	-1290	SLU 18	-1290	-11113	-68363	-11671	-11671	1	Si
23	0.101	15.21	0	-1388	SLU 18	-1388	-11113	-68363	-11671	-11671	1	Si
46	0.101	15.21	0	-2265	SLU 36	-2265	-11113	-68363	-11671	-11671	1	Si
69	0.101	12.11	0	-3201	SLU 36	-3201	-10302	-68363	-11671	-11671	1	Si
80	0.101	7.6	0	-3669	SLU 36	-3669	-8821	-68363	-11671	-11671	1	Si
103	0.134	7.6	0	-4604	SLU 36	-4604	-8821	-68363	-15561	-15561	1	Si
126	0.134	7.6	0	-5540	SLU 36	-5540	-8821	-68363	-15561	-15561	1	Si
149	0.134	7.6	0	-6476	SLU 36	-6476	-8821	-68363	-15561	-15561	1	Si
172	0.134	7.6	0	-7412	SLU 36	-7412	-8821	-68363	-15561	-15561	1	Si
195	0.134	7.6	0	-8348	SLU 36	-8348	-8821	-68363	-15561	-15561	1	Si
218	0.134	7.6	0	-9283	SLU 36	-9283	-8821	-68363	-15561	-15561	1	Si
241	0.134	7.6	0	-10219	SLU 36	-10219	-8821	-68363	-15561	-15561	1	Si
253	0.134	7.6	0	-10687	SLU 36	-10687	-8821	-68363	-15561	-15561	1	Si
276	0.158	7.6	0	-11623	SLU 36	-11623	-8749	-67236	-18038	-18038	1	Si
299	0.158	7.6	0	-12559	SLU 36	-12559	-8734	-66996	-17973	-17973	1	Si
322	0.158	11.84	0	-13494	SLU 36	-13494	-10122	-66952	-17961	-17961	1	Si
325	0.158	16.93	0	-13617	SLU 36	-13617	-11402	-66952	-17961	-17961	1	Si
333	0	16.93	0	-13962	SLU 36	-13962	-11402	-66952	0	-11402	1	Si
345	0	19.1	0	-14430	SLU 36	-14430	-11869	-66952	0	-11869	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.14	0	6414	SLV 3	8037	9711	68363	0	9711	1	Si
0	0	15.21	0	-6070	SLV 13	-7693	-11113	-68363	0	-11113	1	Si
20	0.101	9.6	0	5829	SLV 3	7452	9535	68363	11671	11671	1	Si
20	0.101	15.21	0	-6655	SLV 13	-8277	-11113	-68363	-11671	-11671	1	Si
23	0.101	7.6	0	5741	SLV 3	7364	8821	68363	11671	11671	1	Si
23	0.101	15.21	0	-6742	SLV 13	-8365	-11113	-68363	-11671	-11671	1	Si
46	0.101	7.6	0	5069	SLV 3	6692	8821	68363	11671	11671	1	Si
46	0.101	15.21	0	-7415	SLV 13	-9038	-11113	-68363	-11671	-11671	1	Si
69	0.101	7.6	0	4396	SLV 3	6019	8821	68363	11671	11671	1	Si
69	0.101	12.11	0	-8087	SLV 13	-9710	-10302	-68363	-11671	-11671	1	Si
80	0.101	7.6	0	4060	SLV 3	5683	8821	68363	11671	11671	1	Si
80	0.101	7.6	0	-8424	SLV 13	-10046	-8821	-68363	-11671	-11671	1	Si
103	0.134	7.6	0	3388	SLV 3	5010	8821	68363	15561	15561	1	Si
103	0.134	7.6	0	-9096	SLV 13	-10719	-8821	-68363	-15561	-15561	1	Si
126	0.134	7.6	0	2715	SLV 3	4338	8821	68363	15561	15561	1	Si
126	0.134	7.6	0	-9769	SLV 13	-11392	-8821	-68363	-15561	-15561	1	Si
149	0.134	7.6	0	2042	SLV 3	3665	8821	68363	15561	15561	1	Si
149	0.134	7.6	0	-10441	SLV 13	-12064	-8821	-68363	-15561	-15561	1	Si
172	0.134	7.6	0	1370	SLV 3	2993	8821	68363	15561	15561	1	Si
172	0.134	7.6	0	-11114	SLV 13	-12737	-8821	-68363	-15561	-15561	1	Si
195	0.134	7.6	0	697	SLV 3	2320	8821	68363	15561	15561	1	Si
195	0.134	7.6	0	-11786	SLV 13	-13409	-8821	-68363	-15561	-15561	1	Si
218	0.134	7.6	0	25	SLV 3	1648	8821	68363	15561	15561	1	Si
218	0.134	7.6	0	-12459	SLV 13	-14082	-8821	-68363	-15561	-15561	1	Si
241	0.134	7.6	0	-648	SLV 3	975	8821	68363	15561	15561	1	Si
241	0.134	7.6	0	-13131	SLV 13	-14754	-8821	-68363	-15561	-15561	1	Si
253	0.134	7.6	0	-984	SLV 3	639	8821	68363	15561	15561	1	Si
253	0.134	7.6	0	-13468	SLV 13	-15090	-8821	-68363	-15561	-15561	1	Si
276	0.158	7.6	0	-14140	SLV 13	-15763	-8749	-67236	-18038	-18038	1	Si
299	0.158	7.6	0	-14813	SLV 13	-16436	-8734	-66996	-17973	-17973	1	Si
322	0.158	11.84	0	-15485	SLV 13	-17108	-10122	-66952	-17961	-17961	1	Si
325	0.158	16.93	0	-15573	SLV 13	-17196	-11402	-66952	-17961	-17961	1	Si
333	0	16.93	0	-15821	SLV 13	-17444	-11402	-66952	0	-11402	1	Si
345	0	19.1	0	-16158	SLV 13	-17781	-11869	-66952	0	-11869	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.14	0	2932	SLD 3	2932	9711	68363	0	9711	1	Si
0	0	15.21	0	-2588	SLD 13	-2588	-11113	-68363	0	-11113	1	Si
20	0.101	9.6	0	2347	SLD 3	2347	9535	68363	11671	11671	1	Si
20	0.101	15.21	0	-3173	SLD 13	-3173	-11113	-68363	-11671	-11671	1	Si
23	0.101	7.6	0	2259	SLD 3	2259	8821	68363	11671	11671	1	Si
23	0.101	15.21	0	-3260	SLD 13	-3260	-11113	-68363	-11671	-11671	1	Si
46	0.101	7.6	0	1587	SLD 3	1587	8821	68363	11671	11671	1	Si
46	0.101	15.21	0	-3933	SLD 13	-3933	-11113	-68363	-11671	-11671	1	Si
69	0.101	7.6	0	914	SLD 3	914	8821	68363	11671	11671	1	Si
69	0.101	12.11	0	-4605	SLD 13	-4605	-10302	-68363	-11671	-11671	1	Si
80	0.101	7.6	0	578	SLD 3	578	8821	68363	11671	11671	1	Si
80	0.101	7.6	0	-4942	SLD 13	-4942	-8821	-68363	-11671	-11671	1	Si
103	0.134	7.6	0	-5614	SLD 13	-5614	-8821	-68363	-15561	-15561	1	Si
126	0.134	7.6	0	-6287	SLD 13	-6287	-8821	-68363	-15561	-15561	1	Si
149	0.134	7.6	0	-6959	SLD 13	-6959	-8821	-68363	-15561	-15561	1	Si
172	0.134	7.6	0	-7632	SLD 13	-7632	-8821	-68363	-15561	-15561	1	Si
195	0.134	7.6	0	-8304	SLD 13	-8304	-8821	-68363	-15561	-15561	1	Si
218	0.134	7.6	0	-8977	SLD 13	-8977	-8821	-68363	-15561	-15561	1	Si
241	0.134	7.6	0	-9649	SLD 13	-9649	-8821	-68363	-15561	-15561	1	Si
253	0.134	7.6	0	-9986	SLD 13	-9986	-8821	-68363	-15561	-15561	1	Si
276	0.158	7.6	0	-10658	SLD 13	-10658	-8749	-67236	-18038	-18038	1	Si
299	0.158	7.6	0	-11331	SLD 13	-11331	-8734	-66996	-17973	-17973	1	Si
322	0.158	11.84	0	-12003	SLD 13	-12003	-10122	-66952	-17961	-17961	1	Si
325	0.158	16.93	0	-12091	SLD 13	-12091	-11402	-66952	-17961	-17961	1	Si
333	0	16.93	0	-12340	SLD 13	-12340	-11402	-66952	0	-11402	1	Si
345	0	19.1	0	-12676	SLD 13	-12676	-11869	-66952	0	-11869	1	Si

Verifiche delle tensioni in esercizio

x	Rara	Quasi permanente	Verifica

	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	426678	9	424751	14	124.5	479.1	1837	364270	2	364270	12	93.4	0	+∞	Si
20	417073	9	417073	13.8	124.5	470.4	1837	361491	2	361491	12	93.4	0	+∞	Si
23	415023	9	417073	13.8	124.5	470.4	1837	360494	2	361491	12	93.4	0	+∞	Si
46	387122	9	417073	13.8	124.5	470.5	1837	341250	2	361491	12	93.4	0	+∞	Si
69	342976	9	395557	13.3	124.5	446.8	1837	306538	2	347350	11.7	93.4	0	+∞	Si
80	314811	9	377659	12.8	124.5	426.9	1837	283381	2	333968	11.3	93.4	0	+∞	Si
103	246297	9	329677	11.5	124.5	373.6	1837	225467	2	295604	10.3	93.4	0	+∞	Si
126	165240	3	265451	9.6	124.5	333.3	1837	152084	2	241772	8.8	93.4	0	+∞	Si
149	71766	2	187191	4.9	124.5	73.2	1837	63233	2	172471	7.7	93.4	0	+∞	Si
172	-67698	8	-234644	6.1	124.5	91.7	1837	-50499	1	-200678	9	93.4	0	+∞	Si
195	-197240	8	-384719	10	124.5	150.4	1837	-166897	1	-336628	15.1	93.4	0	+∞	Si
218	-343028	8	-552964	14.4	124.5	216.1	1837	-298764	1	-489694	22	93.4	0	+∞	Si
241	-505942	9	-739483	29.2	124.5	1168.4	1837	-446855	2	-659969	26	93.4	0	+∞	Si
253	-595027	9	-838835	32	124.5	1208.3	1837	-528017	2	-750907	28.6	93.4	0	+∞	Si
276	-785382	9	-1049723	34.9	124.5	997.6	1837	-701944	2	-944384	31.4	93.4	0	+∞	Si
299	-991983	9	-1245485	39.6	124.5	1024.8	1837	-891339	2	-1124436	35.8	93.4	0	+∞	Si
322	-1214829	9	-1245485	39.5	124.5	1011.7	1837	-1096202	2	-1124436	35.6	93.4	0	+∞	Si
325	-1245485	9	-1245485	39.5	124.5	1011.7	1837	-1124436	2	-1124436	35.6	93.4	0	+∞	Si
345	-1453920	9	-1346828	42.7	124.5	1094	1837	-1316533	2	-1217747	38.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
23	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
46	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.002	2	0.001	2	9999	Si
69	0.002	0.001	0.001	0	0.002	0.001	0.001	0	0.002	0.001	0.001	2	0	2	9999	Si
80	0.002	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0	2	0	2	9999	Si
103	0.001	0	0	-0.001	0.001	0	0	-0.001	0.001	0	-0.002	2	-0.003	2	9999	Si
126	0	-0.002	-0.001	-0.003	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.005	2	-0.006	2	9999	Si
149	-0.002	-0.003	-0.003	-0.004	-0.002	-0.003	-0.003	-0.004	-0.002	-0.003	-0.008	2	-0.009	2	9999	Si
172	-0.004	-0.005	-0.004	-0.006	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.012	2	-0.013	2	9999	Si
195	-0.005	-0.007	-0.006	-0.008	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.016	2	-0.017	2	9999	Si
218	-0.007	-0.008	-0.007	-0.009	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.019	2	-0.019	2	9999	Si
241	-0.008	-0.009	-0.008	-0.01	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.021	2	-0.021	2	9999	Si
253	-0.008	-0.01	-0.008	-0.01	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.021	2	-0.021	2	9999	Si
276	-0.008	-0.009	-0.008	-0.009	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.02	2	-0.02	2	9999	Si
299	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.017	2	-0.017	2	9999	Si
322	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.011	2	-0.011	2	9999	Si
325	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	2	-0.01	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-413	-7865	-11671	SLV 13	0.51	1794	1.461	361491	1313207	1865107	SLV 13	0.41	991	1.145	Si
23	-500	-7865	-11671	SLV 13	0.51	1757	1.448	361491	1313207	1865107	SLV 13	0.41	991	1.145	Si
46	-1173	-7865	-11671	SLV 13	0.48	1488	1.353	361491	1313207	1865104	SLV 13	0.41	991	1.145	Si
69	-1846	-7865	-11671	SLV 13	0.45	1249	1.259	347350	1188857	1865229	SLV 13	0.46	1323	1.289	Si
80	-2182	-7865	-11671	SLV 13	0.44	1139	1.212	333968	1117109	1865289	SLV 13	0.49	1598	1.393	Si
103	-2854	-7865	-15561	SLV 13	0.57	2474	1.666	295604	-973629	-963633	SLV 3	0.46	1368	1.307	Si
126	-3527	-7865	-15561	SLV 13	0.54	2144	1.571	241772	-830177	-963545	SLV 3	0.52	1863	1.483	Si
149	-4199	-7865	-15561	SLV 13	0.52	1839	1.476	172471	686771	962923	SLV 13	0.42	1005	1.152	Si
172	-4872	-7865	-15561	SLV 13	0.49	1562	1.38	87702	543450	962923	SLV 13	0.57	2459	1.662	Si
195	-5544	-7865	-15561	SLV 13	0.46	1314	1.286	-12535	-400306	-962923	SLV 3	0.57	2474	1.666	Si
218	-6217	-7865	-15561	SLV 13	0.43	1093	1.192	-489694	-113574	-962923	SLV 13	0.57	2474	1.666	Si
241	-6890	-7865	-15561	SLV 13	0.4	903	1.102	-659969	-253661	-1338168	SLV 13	0.57	2474	1.666	Si
253	-7226	-7865	-15561	SLV 13	0.38	820	1.06	-750907	-324904	-1466898	SLV 13	0.57	2474	1.666	Si
276	-7898	-7865	-18038	SLV 13	0.46	1357	1.303	-944384	-467893	-2285379	SLV 13	0.57	2474	1.666	Si
299	-8571	-7865	-17973	SLV 13	0.43	1111	1.2	-1124436	-592020	-2663459	SLV 13	0.57	2474	1.666	Si
322	-9243	-7865	-17961	SLV 13	0.4	915	1.108	-1124436	-592020	-2701330	SLV 13	0.57	2474	1.666	Si
325	-9331	-7865	-17961	SLV 13	0.4	892	1.097	-1124436	-592020	-2701330	SLV 13	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-413	-2760	-11671	SLD 13	0.54	2079	3.904	361491	580728	1865107	SLD 13	0.35	642	2.412	Si
23	-500	-2760	-11671	SLD 13	0.54	2036	3.871	361491	580728	1865107	SLD 13	0.35	642	2.412	Si
46	-1173	-2760	-11671	SLD 13	0.5	1724	3.616	361491	580728	1865104	SLD 13	0.35	642	2.412	Si
69	-1846	-2760	-11671	SLD 13	0.47	1444	3.362	347350	525744	1865229	SLD 13	0.39	838	2.69	Si
80	-2182	-2760	-11671	SLD 13	0.46	1317	3.238	333968	494020	1865289	SLD 13	0.42	998	2.89	Si
103	-2854	-2760	-15561	SLD 13	0.6	2474	4.193	225467	-350410	-963633	SLD 3	0.45	1272	3.192	Si
126	-3527	-2760	-15561	SLD 13	0.57	2474	4.193	225467	-350410	-963545	SLD 3	0.45	1272	3.192	Si
149	-4199	-2760	-15561	SLD 13	0.54	2131	3.944	172471	303739	962923	SLD 13	0.35	650	2.424	Si
172	-4872	-2760	-15561	SLD 13	0.51	1809	3.688	87702	240366	962923	SLD 13	0.48	1534	3.447	Si
195	-5544	-2760	-15561	SLD 13	0.48	1521	3.435	-12535	-177070	-962923	SLD 3	0.6	2474	4.193	Si
218	-6217	-2760	-15561	SLD 13	0.45	1265	3.185	-128240	-113990	-962923	SLD 3	0.6	2474	4.193	Si
241	-6890	-2760	-15561	SLD 13	0.42	1036	2.934	-659969	-112061	-1338168	SLD 13	0.6	2474	4.193	Si
253	-7226	-2760	-15561	SLD 13	0.41	935	2.814	-750907	-143565	-1466898	SLD 13	0.6	2474	4.193	Si
276	-7898	-2760	-18038	SLD 13	0.49	1571	3.481	-944384	-206793	-2285379	SLD 13	0.6	2474	4.193	Si
299	-8571	-2760	-17973	SLD 13	0.45	1286	3.206	-1124436	-261680	-2663459	SLD 13	0.6	2474	4.193	Si
322	-9243	-2760	-17961	SLD 13	0.42	1051	2.952	-1124436	-261680	-2701330	SLD 13	0.6	2474	4.193	Si
325	-9331	-2760	-17961	SLD 13	0.42	1022	2.918	-1124436	-261680	-2701330	SLD 13	0.6	2474	4.193	Si

Campata 2 tra i fili 56 - ?, sezione R 40x70, asta 1201

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	7.6	5.4						-2719901	SLU 36	-2508798	-2701330	0.127	Si
17	22.81	6.7	7.6	5.4						-2365034	SLU 36	-2360811	-2701330	0.127	Si
20	22.81	6.7	7.6	5.4						-2305498	SLU 36	-2305498	-2701330	0.127	Si
34	22.81	6.7	7.6	5.4						-2022013	SLU 36	-2305498	-2701330	0.127	Si
51	21.97	6.6	7.6	5.4						-1690840	SLU 36	-2262490	-2610291	0.12	Si
68	20.36	6.4	7.6	5.4						-1371513	SLU 36	-1922981	-2433886	0.113	Si
77	19.56	6.3	7.6	5.4						-1216292	SLU 36	-1757669	-2345380	0.11	Si
94	15.21	5.4	7.6	5.4						-914736	SLU 36	-1435930	-1865528	0.096	Si
111	13.89	5.4	7.6	5.4						-625026	SLU 36	-1126038	-1709991	0.093	Si
128	12.28	5.4	7.6	5.4	-212746	SLU 1	127390	963448	0.08	-348328	SLU 30	-827993	-1519122	0.088	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
145	10.68	5.4	7.6	5.4	-30456	SLU 8	370438	963312	0.079	-105244	SLU 29	-541794	-1328138	0.085	Si
162	7.6	5.4	7.6	5.4	201019	SLU 35	601639	962923	0.078	81654	SLU 2	-274496	-962923	0.078	Si
179	7.6	5.4	7.6	5.4	440555	SLU 35	820993	962923	0.078	240267	SLU 2	-41265	-962923	0.078	Si
188	7.6	5.4	7.6	5.4	555881	SLU 35	926227	962923	0.078						Si
196	10.99	5.4	11.71	5.4	668245	SLU 35	1028500	1451210	0.086						Si
205	11.79	5.4	12.86	5.4	777647	SLU 35	1127810	1587421	0.088						Si
222	13.4	5.4	15.16	5.4	987566	SLU 35	1208519	1859665	0.091						Si
241	15.21	5.4	15.21	5.4	1208519	SLU 35	1208519	1864772	0.091						Si
256	15.21	5.4	15.21	5.4	1371864	SLU 35	1292344	1864772	0.091						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	7.6	5.4						-2834835	SLV 3	-2657751	-2701330	0.127	Si
17	22.81	6.7	7.6	5.4						-2536498	SLV 3	-2532918	-2701330	0.127	Si
20	22.81	6.7	7.6	5.4						-2486260	SLV 3	-2486260	-2701330	0.127	Si
34	22.81	6.7	7.6	5.4						-2246677	SLV 3	-2486260	-2701330	0.127	Si
51	21.97	6.6	7.6	5.4						-1965372	SLV 3	-2449968	-2610291	0.12	Si
68	20.36	6.4	7.6	5.4	-170269	SLV 13	83062	1006536	0.087	-1692584	SLV 3	-2162671	-2433886	0.113	Si
77	19.56	6.3	7.6	5.4	-93282	SLV 13	152800	999870	0.086	-1559384	SLV 3	-2022216	-2345380	0.11	Si
94	15.21	5.4	7.6	5.4	54309	SLV 13	285896	963633	0.08	-1299372	SLV 3	-1747694	-1865528	0.096	Si
111	13.89	5.4	7.6	5.4	193392	SLV 13	410486	963559	0.08	-1047879	SLV 3	-1481689	-1709991	0.093	Si
128	12.28	5.4	7.6	5.4	323966	SLV 13	526572	963448	0.08	-804906	SLV 3	-1224202	-1519122	0.088	Si
145	10.68	5.4	7.6	5.4	446035	SLV 13	634161	963312	0.079	-570456	SLV 3	-975234	-1328138	0.085	Si
162	7.6	5.4	7.6	5.4	559602	SLV 13	733260	962923	0.078	-344532	SLV 3	-734787	-962923	0.078	Si
179	7.6	5.4	7.6	5.4	664673	SLV 13	823886	962923	0.078	-127141	SLV 3	-502864	-962923	0.078	Si
196	10.99	5.4	11.71	5.4	761258	SLV 13	906072	1451210	0.086	81708	SLV 3	-279468	-1365217	0.085	Si
205	11.79	5.4	12.86	5.4	806374	SLV 13	939115	1587421	0.088	182924	SLV 3	-170971	-1460558	0.086	Si
222	13.4	5.4	15.16	5.4	890272	SLV 13	974164	1859665	0.091						Si
241	15.21	5.4	15.21	5.4	974164	SLV 15	974164	1864772	0.091						Si
256	15.21	5.4	15.21	5.4	1033063	SLV 15	1006765	1864772	0.091						Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	7.6	5.4						-2284961	SLD 3	-2126246	-2701330	0.127	Si
17	22.81	6.7	7.6	5.4						-2017977	SLD 3	-2014792	-2701330	0.127	Si
20	22.81	6.7	7.6	5.4						-1973134	SLD 3	-1973134	-2701330	0.127	Si
34	22.81	6.7	7.6	5.4						-1759507	SLD 3	-1973134	-2701330	0.127	Si
51	21.97	6.6	7.6	5.4						-1509553	SLD 3	-1940739	-2610291	0.12	Si
68	20.36	6.4	7.6	5.4						-1268114	SLD 3	-1684794	-2433886	0.113	Si
77	19.56	6.3	7.6	5.4						-1150587	SLD 3	-1560014	-2345380	0.11	Si
94	15.21	5.4	7.6	5.4						-921922	SLD 3	-1316841	-1865528	0.096	Si
111	13.89	5.4	7.6	5.4	-152715	SLD 13	117767	963559	0.08	-701772	SLD 3	-1082183	-1709991	0.093	Si
128	12.28	5.4	7.6	5.4	9199	SLD 13	265184	963448	0.08	-490139	SLD 3	-856042	-1519122	0.088	Si
145	10.68	5.4	7.6	5.4	162603	SLD 13	404094	963312	0.079	-287025	SLD 3	-638416	-1328138	0.085	Si
162	7.6	5.4	7.6	5.4	307499	SLD 13	534501	962923	0.078	-92429	SLD 3	-429308	-962923	0.078	Si
179	7.6	5.4	7.6	5.4	443888	SLD 13	656412	962923	0.078	93644	SLD 3	-228718	-962923	0.078	Si
196	10.99	5.4	11.71	5.4	571776	SLD 13	769842	1451210	0.086	271191	SLD 3	-36648	-1365217	0.085	Si
205	11.79	5.4	12.86	5.4	632534	SLD 13	821215	1587421	0.088						Si
222	13.4	5.4	15.16	5.4	747688	SLD 13	866524	1859665	0.091						Si
241	15.21	5.4	15.21	5.4	866524	SLD 15	866524	1864772	0.091						Si
256	15.21	5.4	15.21	5.4	952690	SLD 15	911864	1864772	0.091						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	21.16	0	21144	SLU 36	21144	12283	66952	0	12283	1	Si
17	0	19.56	0	20449	SLU 36	20449	11963	66952	0	11963	1	Si
20	0.187	18.75	0	20330	SLU 36	20330	11797	66952	21227	21227	1	Si
34	0.187	15.21	0	19755	SLU 36	19755	11001	66952	21227	21227	1	Si
51	0.187	13.89	0	19061	SLU 36	19061	10683	67060	21261	21261	1	Si
68	0.187	12.28	0	18367	SLU 36	18367	10271	67291	21335	21335	1	Si
77	0.187	11.48	0	18019	SLU 36	18019	10051	67421	21376	21376	1	Si
94	0.161	7.6	0	17325	SLU 36	17325	8821	68363	18741	18741	1	Si
111	0.161	7.6	0	16631	SLU 36	16631	8821	68363	18741	18741	1	Si
128	0.161	10.99	0	15937	SLU 36	15937	9973	68363	18741	18741	1	Si
145	0.161	12.6	0	15242	SLU 36	15242	10438	68363	18741	18741	1	Si
162	0.161	7.6	0	14548	SLU 36	14548	8821	68363	18741	18741	1	Si
179	0.129	7.6	0	13854	SLU 36	13854	8821	68363	15005	15005	1	Si
196	0.129	7.6	0	13160	SLU 36	13160	8821	68363	15005	15005	1	Si
205	0.129	7.6	0	12812	SLU 36	12812	8821	68363	15005	15005	1	Si
222	0.129	7.6	0	12118	SLU 36	12118	8821	68363	15005	15005	1	Si
241	0.129	7.6	0	11340	SLU 36	11340	8821	68363	15005	15005	1	Si
256	0	7.6	0	10730	SLU 36	10730	8821	68363	0	8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	21.16	0	17734	SLV 3	18591	12283	66952	0	12283	1	Si
17	0	19.56	0	17235	SLV 3	18092	11963	66952	0	11963	1	Si
20	0.187	18.75	0	17149	SLV 3	18006	11797	66952	21227	21227	1	Si
34	0.187	15.21	0	16736	SLV 3	17593	11001	66952	21227	21227	1	Si
51	0.187	13.89	0	16237	SLV 3	17094	10683	67060	21261	21261	1	Si
68	0.187	12.28	0	15738	SLV 3	16595	10271	67291	21335	21335	1	Si
77	0.187	11.48	0	15489	SLV 3	16345	10051	67421	21376	21376	1	Si
94	0.161	7.6	0	14990	SLV 3	15846	8821	68363	18741	18741	1	Si
111	0.161	7.6	0	14491	SLV 3	15348	8821	68363	18741	18741	1	Si
128	0.161	10.99	0	13992	SLV 3	14849	9973	68363	18741	18741	1	Si
145	0.161	12.6	0	13493	SLV 3	14350	10438	68363	18741	18741	1	Si
162	0.161	14.21	0	12994	SLV 3	13851	10864	68363	18741	18741	1	Si
179	0.129	13.89	0	12495	SLV 3	13352	10784	68363	15005	15005	1	Si
196	0.129	7.6	0	11996	SLV 3	12853	8821	68363	15005	15005	1	Si
205	0.129	7.6	0	11746	SLV 3	12603	8821	68363	15005	15005	1	Si
222	0.129	7.6	0	11247	SLV 3	12104	8821	68363	15005	15005	1	Si
241	0.129	7.6	0	10688	SLV 3	11545	8821	68363	15005	15005	1	Si
256	0	7.6	0	10250	SLV 3	11106	8821	68363	0	8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	21.16	0	15896	SLD 3	15896	12283	66952	0	12283	1	Si
17	0	19.56	0	15397	SLD 3	15397	11963	66952	0	11963	1	Si
20	0.187	18.75	0	15311	SLD 3	15311	11797	66952	21227	21227	1	Si
34	0.187	15.21	0	14898	SLD 3	14898	11001	66952	21227	21227	1	Si
51	0.187	13.89	0	14399	SLD 3	14399	10683	67060	21261	21261	1	Si
68	0.187	12.28	0	13900	SLD 3	13900	10271	67291	21335	21335	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
77	0.187	11.48	0	13651	SLD 3	13651	10051	67421	21376	21376	1	Si
94	0.161	7.6	0	13152	SLD 3	13152	8821	68363	18741	18741	1	Si
111	0.161	7.6	0	12653	SLD 3	12653	8821	68363	18741	18741	1	Si
128	0.161	10.99	0	12154	SLD 3	12154	9973	68363	18741	18741	1	Si
145	0.161	12.6	0	11655	SLD 3	11655	10438	68363	18741	18741	1	Si
162	0.161	14.21	0	11156	SLD 3	11156	10864	68363	18741	18741	1	Si
179	0.129	7.6	0	10657	SLD 3	10657	8821	68363	15005	15005	1	Si
196	0.129	7.6	0	10158	SLD 3	10158	8821	68363	15005	15005	1	Si
205	0.129	7.6	0	9909	SLD 3	9909	8821	68363	15005	15005	1	Si
222	0.129	7.6	0	9410	SLD 3	9410	8821	68363	15005	15005	1	Si
241	0.129	7.6	0	8850	SLD 3	8850	8821	68363	15005	15005	1	Si
256	0	7.6	0	8412	SLD 3	8412	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-2020621	9	-1863279	59.1	124.5	1513.5	1837	-1848802	2	-1704659	54	93.4	0	+∞	Si
17	-1756178	9	-1753033	55.6	124.5	1423.9	1837	-1606687	2	-1603815	50.8	93.4	0	+∞	Si
20	-1711827	9	-1711827	54.3	124.5	1390.5	1837	-1566123	2	-1566123	49.6	93.4	0	+∞	Si
34	-1500676	9	-1711827	54.3	124.5	1390.5	1837	-1373086	2	-1566123	49.6	93.4	0	+∞	Si
51	-1254116	9	-1679788	53.7	124.5	1407.7	1837	-1147999	2	-1536820	49.2	93.4	0	+∞	Si
68	-1016499	9	-1426937	46.5	124.5	1273.6	1837	-931426	2	-1305743	42.5	93.4	0	+∞	Si
77	-901043	9	-1303864	42.9	124.5	1203.1	1837	-826333	2	-1193397	39.3	93.4	0	+∞	Si
94	-676838	9	-1064426	37.2	124.5	1206.4	1837	-622531	2	-975090	34.1	93.4	0	+∞	Si
111	-461575	9	-833929	30.1	124.5	1030.6	1837	-427244	2	-765298	27.6	93.4	0	+∞	Si
128	-256029	3	-612374	23	124.5	851.7	1837	-240470	2	-564020	21.2	93.4	0	+∞	Si
145	-73938	2	-399762	15.8	124.5	636.4	1837	-62211	2	-371256	14.7	93.4	0	+∞	Si
162	149229	8	446228	11.6	124.5	174.4	1837	123534	1	390138	17.5	93.4	0	+∞	Si
179	326868	8	608633	15.9	124.5	237.9	1837	283173	1	535273	24	93.4	0	+∞	Si
196	495564	8	762096	27.7	124.5	1105.8	1837	434299	1	671894	24.4	93.4	0	+∞	Si
205	576560	8	835475	29.1	124.5	1106.7	1837	506668	1	737011	25.6	93.4	0	+∞	Si
222	731844	8	895073	28.8	124.5	1010.3	1837	645023	1	789794	25.4	93.4	0	+∞	Si
241	895073	8	895073	28.1	124.5	1005.7	1837	789794	1	789794	24.8	93.4	0	+∞	Si
256	1015586	8	956954	30	124.5	1075.2	1837	896189	1	844539	26.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	-0.004	-0.005	-0.005	-0.006	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.011	1	-0.012	1	9999	Si
20	-0.005	-0.005	-0.005	-0.007	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.013	1	-0.014	1	9999	Si
34	-0.007	-0.008	-0.008	-0.009	-0.007	-0.007	-0.008	-0.008	-0.007	-0.007	-0.019	1	-0.02	1	9999	Si
51	-0.008	-0.009	-0.009	-0.011	-0.008	-0.009	-0.009	-0.01	-0.008	-0.009	-0.022	1	-0.024	1	9999	Si
68	-0.009	-0.01	-0.01	-0.012	-0.009	-0.009	-0.01	-0.01	-0.009	-0.009	-0.023	1	-0.025	1	9999	Si
77	-0.009	-0.01	-0.01	-0.012	-0.009	-0.009	-0.01	-0.01	-0.009	-0.009	-0.023	1	-0.025	1	9999	Si
94	-0.008	-0.009	-0.009	-0.011	-0.008	-0.009	-0.009	-0.01	-0.008	-0.009	-0.022	1	-0.024	1	9999	Si
111	-0.007	-0.008	-0.008	-0.01	-0.007	-0.008	-0.008	-0.009	-0.007	-0.008	-0.019	1	-0.021	1	9999	Si
128	-0.006	-0.007	-0.007	-0.008	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.016	1	-0.018	1	9999	Si
145	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.012	1	-0.014	1	9999	Si
162	-0.003	-0.003	-0.004	-0.005	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.009	1	-0.01	1	9999	Si
179	-0.001	-0.002	-0.002	-0.003	-0.001	-0.002	-0.002	-0.003	-0.001	-0.002	-0.005	1	-0.006	1	9999	Si
196	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.002	1	-0.003	1	9999	Si
205	0.001	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	1	-0.002	1	9999	Si
222	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0	1	9999	Si
241	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	13854	4152	21227	SLV 3	0.57	2474	1.666	-1566123	-920137	-2701330	SLV 3	0.44	1208	1.242	Si
34	13440	4152	21227	SLV 3	0.57	2474	1.666	-1566123	-920137	-2701330	SLV 3	0.44	1208	1.242	Si
51	12941	4152	21261	SLV 3	0.57	2474	1.666	-1536820	-913148	-2610291	SLV 3	0.42	1063	1.179	Si
68	12443	4152	21335	SLV 3	0.57	2474	1.666	-1305743	-856928	-2433886	SLV 3	0.47	1434	1.333	Si
77	12193	4152	21376	SLV 3	0.57	2474	1.666	-1193397	-828820	-2345380	SLV 3	0.5	1658	1.414	Si
94	11694	4152	18741	SLV 3	0.57	2474	1.666	-975090	-772604	-1865528	SLV 3	0.42	1009	1.154	Si
111	11195	4152	18741	SLV 3	0.57	2474	1.666	-765298	-716391	-1709991	SLV 3	0.47	1441	1.335	Si
128	10696	4152	18741	SLV 3	0.57	2474	1.666	-564020	-660182	-1519122	SLV 3	0.52	1845	1.478	Si
145	10197	4152	18741	SLV 3	0.57	2474	1.666	-371256	-603978	-1328138	SLV 3	0.56	2353	1.632	Si
162	9698	4152	18741	SLV 3	0.57	2474	1.666	-187006	-547781	-962923	SLV 3	0.51	1743	1.443	Si
179	9199	4152	15005	SLV 3	0.5	1685	1.424	523578	300308	962923	SLV 13	0.52	1902	1.496	Si
196	8700	4152	15005	SLV 3	0.54	2101	1.558	155952	435420	1451210	SLV 13	0.57	2474	1.666	Si
205	8451	4152	15005	SLV 3	0.56	2330	1.626	236370	407341	1587421	SLV 13	0.57	2474	1.666	Si
222	7952	4152	15005	SLV 3	0.57	2474	1.666	390821	351202	1859665	SLV 13	0.57	2474	1.666	Si
241	7393	4152	15005	SLV 3	0.57	2474	1.666	781150	193014	1864772	SLV 15	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	13854	1458	21227	SLD 3	0.6	2474	4.193	-1566123	-407010	-2701330	SLD 3	0.38	770	2.598	Si
34	13440	1458	21227	SLD 3	0.6	2474	4.193	-1566123	-407010	-2701330	SLD 3	0.38	770	2.598	Si
51	12941	1458	21261	SLD 3	0.6	2474	4.193	-1536820	-403919	-2610291	SLD 3	0.36	684	2.475	Si
68	12443	1458	21335	SLD 3	0.6	2474	4.193	-1305743	-379051	-2433886	SLD 3	0.4	902	2.772	Si
77	12193	1458	21376	SLD 3	0.6	2474	4.193	-1193397	-366617	-2345380	SLD 3	0.42	1036	2.934	Si
94	11694	1458	18741	SLD 3	0.6	2474	4.193	-975090	-341750	-1865528	SLD 3	0.35	652	2.427	Si
111	11195	1458	18741	SLD 3	0.6	2474	4.193	-765298	-316885	-1709991	SLD 3	0.4	906	2.777	Si
128	10696	1458	18741	SLD 3	0.6	2474	4.193	-564020	-292022	-1519122	SLD 3	0.44	1154	3.067	Si
145	10197	1458	18741	SLD 3	0.6	2474	4.193	-371256	-267160	-1328138	SLD 3	0.48	1469	3.386	Si
162	9698	1458	18741	SLD 3	0.6	2474	4.193	-187006	-242302	-962923	SLD 3	0.43	1091	2.997	Si
179	9199	1458	15005	SLD 3	0.53	1950	3.803	523578	132835	962923	SLD 13	0.44	1189	3.105	Si
196	8700	1458	15005	SLD 3	0.57	2431	4.163	155952	192600	1451210	SLD 13	0.6	2474	4.193	Si
205	8451	1458	15005	SLD 3	0.59	2474	4.193	236370	180180	1587421	SLD 13	0.6	2474	4.193	Si
222	7952	1458	15005	SLD 3	0.6	2474	4.193	390821	155347	1859665	SLD 13	0.6	2474	4.193	Si
241	7393	1458	15005	SLD 3	0.6	2474	4.193	781150	85374	1864772	SLD 15	0.6	2474	4.193	Si

Campata 3 tra i fili ? - 57, sezione R 40x70, asta 1202

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	1343157	SLU 35	1343157	1864772	0.091						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
15	15.21	5.4	15.21	5.4	1430735	SLU 35	1574803	1864772	0.091						Si
34	13.4	5.4	15.21	5.4	1530439	SLU 35	1651492	1864910	0.091						Si
68	7.6	5.4	15.21	5.4	1670402	SLU 35	1751119	1865528	0.096						Si
102	7.6	5.4	15.21	5.4	1763045	SLU 35	1803425	1865528	0.096						Si
119	7.6	5.4	15.21	5.4	1791622	SLU 35	1811834	1865528	0.096						Si
136	7.6	5.4	15.21	5.4	1808368	SLU 35	1813285	1865528	0.096						Si
153	7.6	5.4	15.21	5.4	1813285	SLU 35	1813285	1865528	0.096						Si
188	7.6	5.4	15.21	5.4	1787629	SLU 35	1811245	1865528	0.096						Si
222	7.6	5.4	15.21	5.4	1714652	SLU 35	1778605	1865528	0.096						Si
256	7.6	5.4	15.21	5.4	1594357	SLU 35	1698645	1865528	0.096						Si
290	7.6	5.4	15.21	5.4	1426741	SLU 35	1571366	1865528	0.096						Si
324	7.6	5.4	15.21	5.4	1211805	SLU 35	1396766	1865528	0.096						Si
358	7.6	5.4	15.21	5.4	949550	SLU 35	1174847	1865528	0.096						Si
375	7.6	5.4	15.21	5.4	800678	SLU 35	1046143	1865528	0.096						Si
409	11.28	5.4	15.21	5.4	467443	SLU 35	753244	1865059	0.093						Si
443	14.5	5.4	13.08	5.4	86888	SLU 35	413026	1613500	0.088	-3573	SLU 2	-330148	-1781220	0.09	Si
477	15.21	5.4	14.32	5.4	-242180	SLU 4	28446	1759393	0.089	-390930	SLU 29	-475006	-1864824	0.091	Si
484	15.21	5.4	15.21	5.4						-475006	SLU 29	-475006	-1864772	0.091	Si
512	15.21	5.4	15.21	5.4						-854089	SLU 34	-655213	-1864772	0.091	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	1040171	SLV 15	1040171	1864772	0.091						Si
15	15.21	5.4	15.21	5.4	1061379	SLV 15	1085312	1864772	0.091						Si
34	13.4	5.4	15.21	5.4	1080234	SLV 15	1112043	1864910	0.091						Si
68	7.6	5.4	15.21	5.4	1141482	SLV 3	1287495	1865528	0.096						Si
102	7.6	5.4	15.21	5.4	1311440	SLV 3	1429654	1865528	0.096						Si
119	7.6	5.4	15.21	5.4	1384260	SLV 3	1488096	1865528	0.096						Si
153	7.6	5.4	15.21	5.4	1504609	SLV 3	1579556	1865528	0.096						Si
188	7.6	5.4	15.21	5.4	1591063	SLV 3	1637062	1865528	0.096						Si
222	7.6	5.4	15.21	5.4	1643555	SLV 3	1660586	1865528	0.096						Si
256	7.6	5.4	15.21	5.4	1662063	SLV 3	1662063	1865528	0.096						Si
290	7.6	5.4	15.21	5.4	1646577	SLV 3	1661032	1865528	0.096						Si
324	7.6	5.4	15.21	5.4	1597092	SLV 3	1640529	1865528	0.096	37005	SLV 13	-203834	-963633	0.08	Si
358	7.6	5.4	15.21	5.4	1513604	SLV 3	1586025	1865528	0.096	-247003	SLV 13	-516835	-963633	0.08	Si
375	7.6	5.4	15.21	5.4	1459109	SLV 3	1546023	1865528	0.096	-401762	SLV 13	-686089	-963633	0.08	Si
409	11.28	5.4	15.21	5.4	1324616	SLV 3	1440515	1865059	0.093	-736788	SLV 13	-1050106	-1400062	0.085	Si
443	14.5	5.4	13.08	5.4	1156117	SLV 3	1301003	1613500	0.088	-1105823	SLV 13	-1448132	-1781220	0.09	Si
477	15.21	5.4	14.32	5.4	953613	SLV 3	1127486	1759393	0.089	-1508868	SLV 13	-1591844	-1864824	0.091	Si
484	15.21	5.4	15.21	5.4	909466	SLV 3	1089924	1864772	0.091	-1591844	SLV 13	-1591844	-1864772	0.091	Si
512	15.21	5.4	15.21	5.4	717199	SLV 3	717199	1864772	0.091	-1945826	SLV 13	-1763862	-1864772	0.091	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	943329	SLD 15	943329	1864772	0.091						Si
15	15.21	5.4	15.21	5.4	988973	SLD 15	1059551	1864772	0.091						Si
34	13.4	5.4	15.21	5.4	1038753	SLD 15	1103581	1864910	0.091						Si
68	7.6	5.4	15.21	5.4	1124569	SLD 3	1223749	1865528	0.096						Si
102	7.6	5.4	15.21	5.4	1239509	SLD 3	1310226	1865528	0.096						Si
119	7.6	5.4	15.21	5.4	1284489	SLD 3	1340763	1865528	0.096						Si
153	7.6	5.4	15.21	5.4	1349038	SLD 3	1376367	1865528	0.096						Si
188	7.6	5.4	15.21	5.4	1379628	SLD 3	1382180	1865528	0.096						Si
222	7.6	5.4	15.21	5.4	1376232	SLD 3	1382180	1865528	0.096						Si
256	7.6	5.4	15.21	5.4	1338839	SLD 3	1371968	1865528	0.096						Si
290	7.6	5.4	15.21	5.4	1267443	SLD 3	1329556	1865528	0.096						Si
324	7.6	5.4	15.21	5.4	1162044	SLD 3	1253143	1865528	0.096						Si
358	7.6	5.4	15.21	5.4	1022639	SLD 3	1142725	1865528	0.096						Si
375	7.6	5.4	15.21	5.4	940185	SLD 3	1074764	1865528	0.096	117162	SLD 13	-119498	-963633	0.08	Si
409	11.28	5.4	15.21	5.4	749771	SLD 3	913338	1865059	0.093	-161943	SLD 13	-427593	-1400062	0.085	Si
443	14.5	5.4	13.08	5.4	525351	SLD 3	717906	1613500	0.088	-475057	SLD 13	-769696	-1781220	0.09	Si
477	15.21	5.4	14.32	5.4	266924	SLD 3	488467	1759393	0.089	-822180	SLD 13	-894328	-1864824	0.091	Si
484	15.21	5.4	15.21	5.4	211950	SLD 3	440077	1864772	0.091	-894328	SLD 13	-894328	-1864772	0.091	Si
512	15.21	5.4	15.21	5.4						-1203215	SLD 13	-1043796	-1864772	0.091	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	6285	SLU 33	6285	11113	68363	0	11113	1	Si
15	0.072	15.21	0	5675	SLU 33	5675	11113	68363	8336	11113	1	Si
34	0.072	15.21	0	4898	SLU 33	4898	11113	68363	8336	11113	1	Si
68	0.072	15.21	0	3510	SLU 33	3510	11113	68363	8336	11113	1	Si
102	0.098	15.21	0	2144	SLU 24	2144	11113	68363	11350	11350	1	Si
119	0.098	15.21	0	1493	SLU 19	1493	11113	68363	11350	11350	1	Si
153	0.098	15.21	0	237	SLU 19	237	11113	68363	11350	11350	1	Si
153	0.098	15.21	0	-199	SLU 14	-199	-11113	-68363	-11350	-11350	1	Si
188	0.098	15.21	0	-1493	SLU 36	-1493	-11113	-68363	-11350	-11350	1	Si
222	0.098	15.21	0	-2881	SLU 36	-2881	-11113	-68363	-11350	-11350	1	Si
256	0.098	15.21	0	-4269	SLU 36	-4269	-11113	-68363	-11350	-11350	1	Si
290	0.098	15.21	0	-5656	SLU 36	-5656	-11113	-68363	-11350	-11350	1	Si
324	0.098	15.21	0	-7044	SLU 36	-7044	-11113	-68363	-11350	-11350	1	Si
358	0.098	15.21	0	-8431	SLU 36	-8431	-11113	-68363	-11350	-11350	1	Si
375	0.098	13.08	0	-9125	SLU 36	-9125	-10570	-68363	-11350	-11350	1	Si
409	0.098	14.32	0	-10512	SLU 36	-10512	-10892	-68363	-11350	-11350	1	Si
443	0.129	15.21	0	-11900	SLU 36	-11900	-11113	-68363	-15005	-15005	1	Si
477	0.129	11.28	0	-13288	SLU 36	-13288	-10061	-68363	-15005	-15005	1	Si
484	0.129	12.89	0	-13556	SLU 36	-13556	-10518	-68363	-15005	-15005	1	Si
512	0	14.5	0	-14584	SLU 36	-14584	-10938	-68363	0	-10938	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	7525	SLV 3	8289	11113	68363	0	11113	1	Si
15	0.072	15.21	0	7086	SLV 3	7850	11113	68363	8336	11113	1	Si
34	0.072	15.21	0	6527	SLV 3	7292	11113	68363	8336	11113	1	Si
34	0.072	15.21	0	646	SLV 13	-118	-11113	-68363	-8336	-11113	1	Si
68	0.072	15.21	0	5530	SLV 3	6295	11113	68363	8336	11113	1	Si
68	0.072	15.21	0	-351	SLV 13	-1115	-11113	-68363	-8336	-11113	1	Si
102	0.098	15.21	0	4533	SLV 3	5297	11113	68363	11350	11350	1	Si
102	0.098	15.21	0	-1348	SLV 13	-2113	-11113	-68363	-11350	-11350	1	Si
119	0.098	15.21	0	4034	SLV 3	4799	11113	68363	11350	11350	1	Si
119	0.098	15.21	0	-1847	SLV 13	-2611	-11113	-68363	-11350	-11350	1	Si
153	0.098	15.21	0	3037	SLV 3	3802	11113	68363	11350	11350	1	Si
153	0.098	15.21	0	-2844	SLV 13	-3608	-11113	-68363	-11350	-11350	1	Si
188	0.098	15.21	0	2040	SLV 3	2804	11113	68363	11350	11350	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
188	0.098	15.21	0	-3841	SLV 13	-4606	-11113	-68363	-11350	-11350	1	Si
222	0.098	15.21	0	1043	SLV 3	1807	11113	68363	11350	11350	1	Si
222	0.098	15.21	0	-4838	SLV 13	-5603	-11113	-68363	-11350	-11350	1	Si
256	0.098	15.21	0	45	SLV 3	810	11113	68363	11350	11350	1	Si
256	0.098	15.21	0	-5836	SLV 13	-6600	-11113	-68363	-11350	-11350	1	Si
290	0.098	15.21	0	-6833	SLV 13	-7597	-11113	-68363	-11350	-11350	1	Si
324	0.098	15.21	0	-7830	SLV 13	-8594	-11113	-68363	-11350	-11350	1	Si
358	0.098	7.6	0	-8827	SLV 13	-9592	-8821	-68363	-11350	-11350	1	Si
375	0.098	7.6	0	-9326	SLV 13	-10090	-8821	-68363	-11350	-11350	1	Si
409	0.098	7.6	0	-10323	SLV 13	-11087	-8821	-68363	-11350	-11350	1	Si
443	0.129	7.6	0	-11320	SLV 13	-12085	-8821	-68363	-15005	-15005	1	Si
477	0.129	11.28	0	-12317	SLV 13	-13082	-10061	-68363	-15005	-15005	1	Si
484	0.129	12.89	0	-12510	SLV 13	-13275	-10518	-68363	-15005	-15005	1	Si
494	0	12.89	0	-12816	SLV 13	-13580	-10518	-68363	0	-10518	1	Si
512	0	14.5	0	-13250	SLV 13	-14015	-10938	-68363	0	-10938	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	5885	SLD 3	5885	11113	68363	0	11113	1	Si
15	0.072	15.21	0	5446	SLD 3	5446	11113	68363	8336	11113	1	Si
34	0.072	15.21	0	4887	SLD 3	4887	11113	68363	8336	11113	1	Si
68	0.072	15.21	0	3890	SLD 3	3890	11113	68363	8336	11113	1	Si
102	0.098	15.21	0	2893	SLD 3	2893	11113	68363	11350	11350	1	Si
119	0.098	15.21	0	2394	SLD 3	2394	11113	68363	11350	11350	1	Si
119	0.098	15.21	0	-207	SLD 13	-207	-11113	-68363	-11350	-11350	1	Si
153	0.098	15.21	0	1397	SLD 3	1397	11113	68363	11350	11350	1	Si
153	0.098	15.21	0	-1204	SLD 13	-1204	-11113	-68363	-11350	-11350	1	Si
188	0.098	15.21	0	400	SLD 3	400	11113	68363	11350	11350	1	Si
188	0.098	15.21	0	-2201	SLD 13	-2201	-11113	-68363	-11350	-11350	1	Si
222	0.098	15.21	0	-3198	SLD 13	-3198	-11113	-68363	-11350	-11350	1	Si
256	0.098	15.21	0	-4196	SLD 13	-4196	-11113	-68363	-11350	-11350	1	Si
290	0.098	15.21	0	-5193	SLD 13	-5193	-11113	-68363	-11350	-11350	1	Si
324	0.098	15.21	0	-6190	SLD 13	-6190	-11113	-68363	-11350	-11350	1	Si
358	0.098	15.21	0	-7187	SLD 13	-7187	-11113	-68363	-11350	-11350	1	Si
375	0.098	13.08	0	-7686	SLD 13	-7686	-10570	-68363	-11350	-11350	1	Si
409	0.098	7.6	0	-8683	SLD 13	-8683	-8821	-68363	-11350	-11350	1	Si
443	0.129	7.6	0	-9680	SLD 13	-9680	-8821	-68363	-15005	-15005	1	Si
477	0.129	11.28	0	-10677	SLD 13	-10677	-10061	-68363	-15005	-15005	1	Si
484	0.129	12.89	0	-10870	SLD 13	-10870	-10518	-68363	-15005	-15005	1	Si
494	0	12.89	0	-11176	SLD 13	-11176	-10518	-68363	0	-10518	1	Si
512	0	14.5	0	-11610	SLD 13	-11610	-10938	-68363	0	-10938	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	993476	8	993476	31.2	124.5	1116.3	1837	873675	1	873675	27.4	93.4	0	+∞	Si
15	1060207	8	1170164	36.7	124.5	1314.8	1837	939101	1	1047456	32.8	93.4	0	+∞	Si
34	1136262	8	1228848	39.5	124.5	1383.1	1837	1013922	1	1105737	35.5	93.4	0	+∞	Si
68	1243332	8	1305473	45.7	124.5	1479.6	1837	1120161	1	1182987	41.4	93.4	0	+∞	Si
102	1314685	8	1346381	47.1	124.5	1526	1837	1192392	1	1226229	42.9	93.4	0	+∞	Si
119	1336969	8	1353441	47.3	124.5	1534	1837	1215755	1	1235098	43.2	93.4	0	+∞	Si
153	1354747	8	1354747	47.4	124.5	1535.4	1837	1236975	1	1236975	43.3	93.4	0	+∞	Si
188	1336810	8	1353418	47.3	124.5	1533.9	1837	1224187	1	1236342	43.2	93.4	0	+∞	Si
222	1283156	8	1330210	46.5	124.5	1507.6	1837	1177392	1	1218536	42.6	93.4	0	+∞	Si
256	1193786	8	1271285	44.5	124.5	1440.8	1837	1096589	1	1166721	40.8	93.4	0	+∞	Si
290	1068700	8	1176644	41.2	124.5	1333.6	1837	981778	1	1080900	37.8	93.4	0	+∞	Si
324	907897	8	1046286	36.6	124.5	1185.8	1837	832960	1	961070	33.6	93.4	0	+∞	Si
358	711378	8	880212	30.8	124.5	997.6	1837	650134	1	807233	28.2	93.4	0	+∞	Si
375	599725	8	783782	27.4	124.5	888.3	1837	545968	1	717561	25.1	93.4	0	+∞	Si
409	349631	8	564133	18.7	124.5	636.4	1837	312130	1	512712	17	93.4	0	+∞	Si
443	63821	8	308769	10.3	124.5	401.4	1837	44285	1	273856	9.1	93.4	0	+∞	Si
477	-291001	2	-354681	11.3	124.5	398.9	1837	-277628	2	-341189	10.8	93.4	0	+∞	Si
484	-354681	2	-354681	11.1	124.5	398.5	1837	-341189	2	-341189	10.7	93.4	0	+∞	Si
512	-640209	7	-490612	15.4	124.5	551.3	1837	-614314	2	-472775	14.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.013	0.012	0.016	0.012	0.012	0.012	0.013	0.012	0.012	0.012	0.035	1	0.035	1	9999	Si
34	0.029	0.026	0.035	0.027	0.026	0.026	0.029	0.027	0.026	0.026	0.078	1	0.077	1	6537	Si
68	0.053	0.048	0.065	0.051	0.049	0.048	0.054	0.052	0.048	0.048	0.147	1	0.145	1	3478	Si
102	0.073	0.065	0.09	0.071	0.067	0.066	0.075	0.072	0.067	0.066	0.204	1	0.2	1	2514	Si
119	0.082	0.073	0.101	0.079	0.075	0.073	0.084	0.08	0.074	0.073	0.227	1	0.223	1	2258	Si
153	0.094	0.084	0.116	0.091	0.087	0.085	0.097	0.092	0.086	0.085	0.262	1	0.257	1	1954	Si
188	0.103	0.092	0.125	0.098	0.094	0.092	0.104	0.1	0.094	0.092	0.282	1	0.278	1	1811	Si
222	0.106	0.094	0.127	0.1	0.097	0.095	0.106	0.101	0.097	0.095	0.289	1	0.283	1	1772	Si
256	0.104	0.093	0.123	0.097	0.096	0.094	0.103	0.099	0.096	0.094	0.281	1	0.276	1	1819	Si
290	0.099	0.088	0.115	0.091	0.091	0.089	0.096	0.092	0.09	0.089	0.262	1	0.256	1	1956	Si
324	0.089	0.079	0.102	0.081	0.082	0.08	0.086	0.082	0.082	0.08	0.232	1	0.228	1	2203	Si
358	0.077	0.068	0.086	0.069	0.07	0.068	0.073	0.07	0.07	0.069	0.196	1	0.192	1	2605	Si
375	0.069	0.061	0.077	0.062	0.064	0.062	0.066	0.063	0.063	0.062	0.176	1	0.173	1	2898	Si
409	0.053	0.046	0.059	0.047	0.048	0.047	0.05	0.047	0.048	0.047	0.134	1	0.131	1	3823	Si
443	0.035	0.031	0.039	0.031	0.032	0.031	0.033	0.031	0.032	0.031	0.089	1	0.087	1	5762	Si
477	0.017	0.015	0.019	0.015	0.015	0.015	0.016	0.015	0.015	0.015	0.043	1	0.042	1	9999	Si
484	0.013	0.012	0.015	0.012	0.012	0.012	0.013	0.012	0.012	0.012	0.035	1	0.034	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	4145	3705	11113	SLV 3	0.57	2474	1.666	931544	129835	1864772	SLV 15	0.57	2474	1.666	Si
34	3587	3705	11113	SLV 3	0.57	2474	1.666	931544	129835	1864910	SLV 15	0.57	2474	1.666	Si
68	2590	3705	11113	SLV 3	0.57	2474	1.666	1173205	114290	1865528	SLV 3	0.57	2474	1.666	Si
102	1592	3705	11350	SLV 3	0.57	2474	1.666	1215526	214128	1865528	SLV 3	0.57	2474	1.666	Si
119	1094	3705	11350	SLV 3	0.57	2474	1.666	1223933	264163	1865528	SLV 3	0.57	2474	1.666	Si
153	97	3705	11350	SLV 3	0.57	2474	1.666	1215242	364314	1865528	SLV 3	0.57	2474	1.666	Si
188	-901	-3705	-11350	SLV 13	0.57	2474	1.666	1172544	464518	1865528	SLV 3	0.53	2004	1.528	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
222	-1898	-3705	-11350	SLV 13	0.57	2474	1.666	1095838	564749	1865528	SLV 3	0.49	1573	1.384	Si
256	-2895	-3705	-11350	SLV 13	0.57	2474	1.666	1082522	579542	1865528	SLV 3	0.48	1537	1.371	Si
290	-3892	-3705	-11350	SLV 13	0.57	2474	1.666	840402	765247	1865528	SLV 3	0.48	1502	1.358	Si
324	-4889	-3705	-11350	SLV 13	0.57	2474	1.666	945945	694584	1865528	SLV 3	0.48	1456	1.341	Si
358	-5887	-3705	-11350	SLV 13	0.53	1942	1.509	791186	794840	1865528	SLV 3	0.48	1539	1.372	Si
375	-6385	-3705	-11350	SLV 13	0.48	1504	1.359	329815	-1015904	-963633	SLV 13	0.46	1313	1.285	Si
409	-7382	-3705	-11350	SLV 13	0.39	841	1.071	66067	-1116172	-1400062	SLV 13	0.47	1426	1.329	Si
443	-8380	-3705	-15005	SLV 13	0.57	2474	1.666	-231689	-1216443	-1781220	SLV 13	0.46	1314	1.286	Si
477	-9377	-3705	-15005	SLV 13	0.54	2103	1.559	-341189	-1250655	-1864824	SLV 13	0.44	1168	1.225	Si
484	-9570	-3705	-15005	SLV 13	0.52	1916	1.501	-341189	-1250655	-1864772	SLV 13	0.44	1168	1.225	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	4145	1301	11113	SLD 3	0.6	2474	4.193	931544	57429	1864772	SLD 15	0.6	2474	4.193	Si
34	3587	1301	11113	SLD 3	0.6	2474	4.193	931544	57429	1864910	SLD 15	0.6	2474	4.193	Si
68	2590	1301	11113	SLD 3	0.6	2474	4.193	1173205	50544	1865528	SLD 3	0.6	2474	4.193	Si
102	1592	1301	11350	SLD 3	0.6	2474	4.193	1215526	94701	1865528	SLD 3	0.6	2474	4.193	Si
119	1094	1301	11350	SLD 3	0.6	2474	4.193	1223933	116830	1865528	SLD 3	0.6	2474	4.193	Si
153	97	1301	11350	SLD 3	0.6	2474	4.193	1215242	161125	1865528	SLD 3	0.53	2021	3.859	Si
188	-901	-1301	-11350	SLD 13	0.6	2474	4.193	1192356	189823	1865528	SLD 3	0.47	1430	3.349	Si
222	-1898	-1301	-11350	SLD 13	0.6	2474	4.193	1095838	249774	1865528	SLD 3	0.41	983	2.872	Si
256	-2895	-1301	-11350	SLD 13	0.6	2474	4.193	985124	294111	1865528	SLD 3	0.4	915	2.789	Si
290	-3892	-1301	-11350	SLD 13	0.6	2474	4.193	840402	338451	1865528	SLD 3	0.41	941	2.821	Si
324	-4889	-1301	-11350	SLD 13	0.6	2474	4.193	945945	307198	1865528	SLD 3	0.4	915	2.789	Si
358	-5887	-1301	-11350	SLD 13	0.55	2249	4.032	791186	351539	1865528	SLD 3	0.41	963	2.848	Si
375	-6385	-1301	-11350	SLD 13	0.51	1741	3.63	329815	-449313	-963633	SLD 13	0.39	832	2.682	Si
409	-7382	-1301	-11350	SLD 13	0.41	958	2.842	66067	-493659	-1400062	SLD 13	0.4	898	2.767	Si
443	-8380	-1301	-15005	SLD 13	0.6	2474	4.193	-231689	-538007	-1781220	SLD 13	0.39	833	2.683	Si
477	-9377	-1301	-15005	SLD 13	0.57	2436	4.166	-341189	-553139	-1864824	SLD 13	0.37	747	2.566	Si
484	-9570	-1301	-15005	SLD 13	0.55	2218	4.009	-341189	-553139	-1864772	SLD 13	0.37	747	2.566	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 58-60

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 58 - 59, sezione R 40x70, asta 1203

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	653372	SLU 36	643151	1865107	0.093						Si
20	11.4	5.4	15.21	5.4	625419	SLU 36	625419	1865107	0.093						Si
23	11.4	5.4	15.21	5.4	620430	SLU 36	625419	1865107	0.093						Si
46	11.23	5.4	15.21	5.4	566265	SLU 36	625419	1865104	0.093						Si
69	10.14	5.4	15.21	5.4	490875	SLU 36	581960	1865229	0.093						Si
80	9.6	5.4	15.21	5.4	445221	SLU 36	549719	1865289	0.094						Si
103	7.6	5.4	15.21	5.4	337996	SLU 36	469319	1865528	0.096						Si
126	7.6	5.4	13.66	5.4	214969	SLU 30	367694	1682622	0.092	124933	SLU 1	-4245	-963545	0.08	Si
149	7.6	5.4	7.6	5.4	76557	SLU 29	248133	962923	0.078	27120	SLU 8	-170261	-962923	0.078	Si
172	7.6	5.4	7.6	5.4	-51675	SLU 2	113568	962923	0.078	-122832	SLU 35	-360884	-962923	0.078	Si
195	7.6	5.4	7.6	5.4						-307854	SLU 35	-576997	-962923	0.078	Si
218	7.6	5.4	7.6	5.4						-516491	SLU 36	-817168	-962923	0.078	Si
241	11.81	5.4	7.6	5.4						-751061	SLU 36	-1078562	-1463126	0.087	Si
253	12.9	5.4	7.6	5.4						-876305	SLU 36	-1217219	-1591791	0.09	Si
276	20.15	6.4	7.6	5.4						-1142710	SLU 36	-1510450	-2409591	0.112	Si
299	22.46	6.7	7.6	5.4						-1430339	SLU 36	-1781554	-2663459	0.125	Si
322	22.81	6.7	7.6	5.4						-1739193	SLU 36	-1781554	-2701330	0.127	Si
325	22.81	6.7	7.6	5.4						-1781554	SLU 36	-1781554	-2701330	0.127	Si
345	22.81	6.7	7.6	5.4						-2069270	SLU 36	-1921656	-2701330	0.127	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	1901754	SLV 13	1831382	1865107	0.093	-1087379	SLV 3	-1022697	-1414287	0.085	Si
20	11.4	5.4	15.21	5.4	1755590	SLV 13	1755590	1865107	0.093	-963394	SLV 3	-963394	-1414287	0.085	Si
23	11.4	5.4	15.21	5.4	1733094	SLV 13	1755590	1865107	0.093	-945369	SLV 3	-963394	-1414287	0.085	Si
46	11.23	5.4	15.21	5.4	1549184	SLV 13	1755590	1865104	0.093	-818621	SLV 3	-963394	-1393541	0.085	Si
69	10.14	5.4	15.21	5.4	1350027	SLV 13	1598726	1865229	0.093	-707139	SLV 3	-851064	-1265040	0.084	Si
80	9.6	5.4	15.21	5.4	1244732	SLV 13	1503065	1865289	0.094	-657125	SLV 3	-791401	-1200784	0.083	Si
103	7.6	5.4	15.21	5.4	1022716	SLV 13	1300309	1865528	0.096	-568552	SLV 3	-683524	-963633	0.08	Si
126	7.6	5.4	13.66	5.4	785476	SLV 13	1082314	1682622	0.092	-495270	SLV 3	-590920	-963545	0.08	Si
149	7.6	5.4	7.6	5.4	533046	SLV 13	849091	962923	0.078	-437309	SLV 3	-513600	-962923	0.078	Si
172	7.6	5.4	7.6	5.4	265524	SLV 13	600666	962923	0.078	-394770	SLV 3	-451593	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	-16569	SLV 15	337116	962923	0.078	-368172	SLV 1	-404972	-962923	0.078	Si
218	7.6	5.4	7.6	5.4	-302696	SLV 15	55036	962923	0.078	-368053	SLV 1	-718025	-962923	0.078	Si
241	11.81	5.4	7.6	5.4						-632616	SLV 13	-1050135	-1463126	0.087	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
253	12.9	5.4	7.6	5.4						-794428	SLV 13	-1222140	-1591791	0.09	Si
276	20.15	6.4	7.6	5.4						-1130384	SLV 13	-1577731	-2409591	0.112	Si
299	22.46	6.7	7.6	5.4						-1481914	SLV 13	-1898158	-2663459	0.125	Si
322	22.81	6.7	7.6	5.4						-1848805	SLV 13	-1898158	-2701330	0.127	Si
325	22.81	6.7	7.6	5.4						-1898158	SLV 13	-1898158	-2701330	0.127	Si
345	22.81	6.7	7.6	5.4						-2230998	SLV 13	-2061912	-2701330	0.127	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	1068140	SLD 13	1035435	1865107	0.093	-253766	SLD 3	-226749	-1414287	0.085	Si
20	11.4	5.4	15.21	5.4	997320	SLD 13	997320	1865107	0.093	-205124	SLD 3	-205124	-1414287	0.085	Si
23	11.4	5.4	15.21	5.4	986125	SLD 13	997320	1865107	0.093	-198400	SLD 3	-205124	-1414287	0.085	Si
46	11.23	5.4	15.21	5.4	888856	SLD 13	997320	1865104	0.093	-158294	SLD 3	-205124	-1393541	0.085	Si
69	10.14	5.4	15.21	5.4	776335	SLD 13	915533	1865229	0.093	-133448	SLD 3	-167871	-1265040	0.084	Si
80	9.6	5.4	15.21	5.4	714356	SLD 13	863192	1865289	0.094	-126748	SLD 3	-151527	-1200784	0.083	Si
103	7.6	5.4	15.21	5.4	578961	SLD 13	747070	1865528	0.096	-124798	SLD 3	-144658	-963633	0.08	Si
126	7.6	5.4	13.66	5.4	428324	SLD 13	615699	1682622	0.092	-138118	SLD 3	-177304	-963545	0.08	Si
149	7.6	5.4	7.6	5.4	262460	SLD 13	469085	962923	0.078	-166723	SLD 3	-225311	-962923	0.078	Si
172	7.6	5.4	7.6	5.4	81412	SLD 13	307238	962923	0.078	-210658	SLD 3	-289224	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	-114593	SLD 15	130192	962923	0.078	-270148	SLD 1	-385439	-962923	0.078	Si
218	7.6	5.4	7.6	5.4						-349808	SLD 1	-617788	-962923	0.078	Si
241	11.81	5.4	7.6	5.4						-555036	SLD 13	-863686	-1463126	0.087	Si
253	12.9	5.4	7.6	5.4						-673924	SLD 13	-992457	-1591791	0.09	Si
276	20.15	6.4	7.6	5.4						-923530	SLD 13	-1261499	-2409591	0.112	Si
299	22.46	6.7	7.6	5.4						-1188532	SLD 13	-1506892	-2663459	0.125	Si
322	22.81	6.7	7.6	5.4						-1468836	SLD 13	-1506892	-2701330	0.127	Si
325	22.81	6.7	7.6	5.4						-1506892	SLD 13	-1506892	-2701330	0.127	Si
345	22.81	6.7	7.6	5.4						-1764416	SLD 13	-1632969	-2701330	0.127	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	177	SLU 19	177	11113	68363	0	11113	1	Si
0	0	15.21	0	-1128	SLU 14	-1128	-11113	-68363	0	-11113	1	Si
20	0.101	15.21	0	-1773	SLU 36	-1773	-11113	-68363	-11671	-11671	1	Si
23	0.101	15.21	0	-1894	SLU 36	-1894	-11113	-68363	-11671	-11671	1	Si
46	0.101	15.21	0	-2816	SLU 36	-2816	-11113	-68363	-11671	-11671	1	Si
69	0.101	12.11	0	-3739	SLU 36	-3739	-10302	-68363	-11671	-11671	1	Si
80	0.101	7.6	0	-4201	SLU 36	-4201	-8821	-68363	-11671	-11671	1	Si
103	0.14	7.6	0	-5123	SLU 36	-5123	-8821	-68363	-16269	-16269	1	Si
126	0.14	7.6	0	-6046	SLU 36	-6046	-8821	-68363	-16269	-16269	1	Si
149	0.14	7.6	0	-6969	SLU 36	-6969	-8821	-68363	-16269	-16269	1	Si
172	0.14	7.6	0	-7892	SLU 36	-7892	-8821	-68363	-16269	-16269	1	Si
195	0.14	7.6	0	-8814	SLU 36	-8814	-8821	-68363	-16269	-16269	1	Si
218	0.14	7.6	0	-9737	SLU 36	-9737	-8821	-68363	-16269	-16269	1	Si
241	0.14	7.6	0	-10660	SLU 36	-10660	-8821	-68363	-16269	-16269	1	Si
253	0.14	7.6	0	-11121	SLU 36	-11121	-8821	-68363	-16269	-16269	1	Si
276	0.172	7.6	0	-12044	SLU 36	-12044	-8753	-67295	-19695	-19695	1	Si
299	0.172	10.73	0	-12967	SLU 36	-12967	-9797	-66996	-19607	-19607	1	Si
322	0.172	12.9	0	-13890	SLU 36	-13890	-10413	-66952	-19594	-19594	1	Si
325	0.172	17.98	0	-14010	SLU 36	-14010	-11633	-66952	-19594	-19594	1	Si
333	0	17.98	0	-14351	SLU 36	-14351	-11633	-66952	0	-11633	1	Si
345	0	20.15	0	-14813	SLU 36	-14813	-12083	-66952	0	-12083	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.14	0	6507	SLV 3	8263	9711	68363	0	9711	1	Si
0	0	15.21	0	-7002	SLV 13	-8759	-11113	-68363	0	-11113	1	Si
20	0.101	9.6	0	5930	SLV 3	7687	9535	68363	11671	11671	1	Si
20	0.101	15.21	0	-7579	SLV 13	-9335	-11113	-68363	-11671	-11671	1	Si
23	0.101	7.6	0	5844	SLV 3	7600	8821	68363	11671	11671	1	Si
23	0.101	15.21	0	-7666	SLV 13	-9422	-11113	-68363	-11671	-11671	1	Si
46	0.101	7.6	0	5180	SLV 3	6937	8821	68363	11671	11671	1	Si
46	0.101	15.21	0	-8329	SLV 13	-10085	-11113	-68363	-11671	-11671	1	Si
69	0.101	7.6	0	4517	SLV 3	6273	8821	68363	11671	11671	1	Si
69	0.101	12.11	0	-8992	SLV 13	-10749	-10302	-68363	-11671	-11671	1	Si
80	0.101	7.6	0	4185	SLV 3	5942	8821	68363	11671	11671	1	Si
80	0.101	7.6	0	-9324	SLV 13	-11080	-8821	-68363	-11671	-11671	1	Si
103	0.14	7.6	0	3522	SLV 3	5278	8821	68363	16269	16269	1	Si
103	0.14	7.6	0	-9987	SLV 13	-11744	-8821	-68363	-16269	-16269	1	Si
126	0.14	7.6	0	2859	SLV 3	4615	8821	68363	16269	16269	1	Si
126	0.14	7.6	0	-10651	SLV 13	-12407	-8821	-68363	-16269	-16269	1	Si
149	0.14	7.6	0	2195	SLV 3	3952	8821	68363	16269	16269	1	Si
149	0.14	7.6	0	-11314	SLV 13	-13070	-8821	-68363	-16269	-16269	1	Si
172	0.14	7.6	0	1532	SLV 3	3288	8821	68363	16269	16269	1	Si
172	0.14	7.6	0	-11977	SLV 13	-13734	-8821	-68363	-16269	-16269	1	Si
195	0.14	7.6	0	869	SLV 3	2625	8821	68363	16269	16269	1	Si
195	0.14	7.6	0	-12641	SLV 13	-14397	-8821	-68363	-16269	-16269	1	Si
218	0.14	7.6	0	206	SLV 3	1962	8821	68363	16269	16269	1	Si
218	0.14	7.6	0	-13304	SLV 13	-15060	-8821	-68363	-16269	-16269	1	Si
241	0.14	7.6	0	-458	SLV 3	1298	8821	68363	16269	16269	1	Si
241	0.14	7.6	0	-13967	SLV 13	-15724	-8821	-68363	-16269	-16269	1	Si
253	0.14	7.6	0	-789	SLV 3	967	8821	68363	16269	16269	1	Si
253	0.14	7.6	0	-14299	SLV 13	-16055	-8821	-68363	-16269	-16269	1	Si
276	0.172	7.6	0	-1453	SLV 3	303	8753	67295	19695	19695	1	Si
276	0.172	7.6	0	-14962	SLV 13	-16719	-8753	-67295	-19695	-19695	1	Si
299	0.172	10.73	0	-15626	SLV 13	-17382	-9797	-66996	-19607	-19607	1	Si
322	0.172	12.9	0	-16289	SLV 13	-18045	-10413	-66952	-19594	-19594	1	Si
325	0.172	17.98	0	-16375	SLV 13	-18132	-11633	-66952	-19594	-19594	1	Si
333	0	17.98	0	-16621	SLV 13	-18377	-11633	-66952	0	-11633	1	Si
345	0	20.15	0	-16952	SLV 13	-18708	-12083	-66952	0	-12083	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.14	0	2739	SLD 3	2739	9711	68363	0	9711	1	Si
0	0	15.21	0	-3235	SLD 13	-3235	-11113	-68363	0	-11113	1	Si
20	0.101	9.6	0	2163	SLD 3	2163	9535	68363	11671	11671	1	Si
20	0.101	15.21	0	-3811	SLD 13	-3811	-11113	-68363	-11671	-11671	1	Si
23	0.101	7.6	0	2076	SLD 3	2076	8821	68363	11671	11671	1	Si
23	0.101	15.21	0	-3898	SLD 13	-3898	-11113	-68363	-11671	-11671	1	Si
46	0.101	7.6	0	1413	SLD 3	1413	8821	68363	11671	11671	1	Si
46	0.101	15.21	0	-4561	SLD 13	-4561	-11113	-68363	-11671	-11671	1	Si
69	0.101	7.6	0	749	SLD 3	749	8821	68363	11671	11671	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
69	0.101	12.11	0	-5225	SLD 13	-5225	-10302	-68363	-11671	-11671	1	Si
80	0.101	7.6	0	418	SLD 3	418	8821	68363	11671	11671	1	Si
80	0.101	7.6	0	-5556	SLD 13	-5556	-8821	-68363	-11671	-11671	1	Si
103	0.14	7.6	0	-6220	SLD 13	-6220	-8821	-68363	-16269	-16269	1	Si
126	0.14	7.6	0	-6883	SLD 13	-6883	-8821	-68363	-16269	-16269	1	Si
149	0.14	7.6	0	-7546	SLD 13	-7546	-8821	-68363	-16269	-16269	1	Si
172	0.14	7.6	0	-8210	SLD 13	-8210	-8821	-68363	-16269	-16269	1	Si
195	0.14	7.6	0	-8873	SLD 13	-8873	-8821	-68363	-16269	-16269	1	Si
218	0.14	7.6	0	-9536	SLD 13	-9536	-8821	-68363	-16269	-16269	1	Si
241	0.14	7.6	0	-10200	SLD 13	-10200	-8821	-68363	-16269	-16269	1	Si
253	0.14	7.6	0	-10531	SLD 13	-10531	-8821	-68363	-16269	-16269	1	Si
276	0.172	7.6	0	-11195	SLD 13	-11195	-8753	-67295	-19695	-19695	1	Si
299	0.172	10.73	0	-11858	SLD 13	-11858	-9797	-66996	-19607	-19607	1	Si
322	0.172	12.9	0	-12521	SLD 13	-12521	-10413	-66952	-19594	-19594	1	Si
325	0.172	17.98	0	-12608	SLD 13	-12608	-11633	-66952	-19594	-19594	1	Si
333	0	17.98	0	-12853	SLD 13	-12853	-11633	-66952	0	-11633	1	Si
345	0	20.15	0	-13185	SLD 13	-13185	-12083	-66952	0	-12083	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	469821	9	463587	15.3	124.5	522.9	1837	407187	2	404343	13.4	93.4	0	+∞	Si
20	451681	9	451681	14.9	124.5	509.5	1837	396098	2	396098	13.1	93.4	0	+∞	Si
23	448359	9	451681	14.9	124.5	509.5	1837	393862	2	396098	13.1	93.4	0	+∞	Si
46	410876	9	451681	15	124.5	509.6	1837	365281	2	396098	13.1	93.4	0	+∞	Si
69	357372	9	421825	14.2	124.5	476.5	1837	321444	2	373831	12.6	93.4	0	+∞	Si
80	324613	9	399190	13.5	124.5	451.2	1837	293804	2	355832	12.1	93.4	0	+∞	Si
103	247079	9	341904	12	124.5	387.5	1837	227082	2	308393	10.8	93.4	0	+∞	Si
126	157139	3	268598	9.7	124.5	337.3	1837	145103	2	245697	8.9	93.4	0	+∞	Si
149	55071	2	181462	4.7	124.5	70.9	1837	47868	2	167745	7.5	93.4	0	+∞	Si
172	-89519	8	-265699	6.9	124.5	103.9	1837	-71370	1	-230724	10.3	93.4	0	+∞	Si
195	-226402	8	-425674	11.1	124.5	166.4	1837	-195061	1	-376135	16.9	93.4	0	+∞	Si
218	-380901	9	-603559	15.7	124.5	235.9	1837	-335375	2	-538422	24.2	93.4	0	+∞	Si
241	-554558	9	-797465	30.4	124.5	1151.7	1837	-493635	2	-715965	27.3	93.4	0	+∞	Si
253	-647394	9	-900426	33.3	124.5	1195.1	1837	-578486	2	-810458	30	93.4	0	+∞	Si
276	-845082	9	-1118362	36.6	124.5	1007.9	1837	-759631	2	-1010886	33	93.4	0	+∞	Si
299	-1058791	9	-1320052	42	124.5	1086.1	1837	-956033	2	-1196791	38.1	93.4	0	+∞	Si
322	-1288520	9	-1320052	41.8	124.5	1072.2	1837	-1167691	2	-1196791	37.9	93.4	0	+∞	Si
325	-1320052	9	-1320052	41.8	124.5	1072.2	1837	-1196791	2	-1196791	37.9	93.4	0	+∞	Si
345	-1534270	9	-1424325	45.2	124.5	1156.9	1837	-1394605	2	-1292998	41	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
23	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
46	0.002	0.001	0.001	0	0.002	0.001	0.001	0	0.002	0.001	0.002	2	0.001	2	9999	Si
69	0.002	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0	2	0	2	9999	Si
80	0.001	0	0	-0.001	0.001	0.001	0	0	0.001	0.001	-0.001	2	-0.001	2	9999	Si
103	0	-0.001	-0.001	-0.002	0	0	-0.001	-0.001	0	0	-0.003	2	-0.004	2	9999	Si
126	-0.001	-0.002	-0.002	-0.003	-0.001	-0.002	-0.002	-0.003	-0.001	-0.002	-0.007	2	-0.007	2	9999	Si
149	-0.003	-0.004	-0.004	-0.005	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.011	2	-0.011	2	9999	Si
172	-0.005	-0.006	-0.006	-0.007	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.015	2	-0.015	2	9999	Si
195	-0.006	-0.008	-0.007	-0.009	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.019	2	-0.019	2	9999	Si
218	-0.008	-0.009	-0.008	-0.01	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.022	2	-0.022	2	9999	Si
241	-0.009	-0.01	-0.009	-0.011	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.024	2	-0.024	2	9999	Si
253	-0.009	-0.011	-0.009	-0.011	-0.009	-0.009	-0.009	-0.01	-0.009	-0.009	-0.024	2	-0.024	2	9999	Si
276	-0.009	-0.01	-0.009	-0.01	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.023	2	-0.023	2	9999	Si
299	-0.008	-0.009	-0.007	-0.009	-0.008	-0.008	-0.007	-0.008	-0.008	-0.008	-0.019	1	-0.019	1	9999	Si
322	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.012	1	9999	Si
325	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.011	1	-0.011	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-824	-8511	-11671	SLV 13	0.46	1316	1.286	396098	1359492	1865107	SLV 13	0.39	859	1.08	Si
23	-911	-8511	-11671	SLV 13	0.46	1288	1.275	396098	1359492	1865107	SLV 13	0.39	859	1.08	Si
46	-1574	-8511	-11671	SLV 13	0.43	1089	1.19	396098	1359492	1865104	SLV 13	0.39	859	1.08	Si
69	-2238	-8511	-11671	SLV 13	0.4	914	1.108	373831	1224895	1865229	SLV 13	0.44	1166	1.224	Si
80	-2569	-8511	-11671	SLV 13	0.39	838	1.069	355832	1147233	1865289	SLV 13	0.47	1432	1.332	Si
103	-3233	-8511	-16269	SLV 13	0.55	2150	1.573	308393	-991917	-963633	SLV 3	0.46	1338	1.295	Si
126	-3896	-8511	-16269	SLV 13	0.52	1870	1.486	245697	-836617	-963545	SLV 3	0.52	1841	1.476	Si
149	-4559	-8511	-16269	SLV 13	0.49	1613	1.398	167745	681345	962923	SLV 13	0.42	1043	1.169	Si
172	-5223	-8511	-16269	SLV 13	0.47	1381	1.312	74537	526129	962923	SLV 13	0.57	2474	1.666	Si
195	-5886	-8511	-16269	SLV 13	0.44	1172	1.227	-33928	-371044	-962923	SLV 3	0.57	2474	1.666	Si
218	-6549	-8511	-16269	SLV 13	0.41	984	1.142	-538422	-179603	-962923	SLV 13	0.57	2474	1.666	Si
241	-7213	-8511	-16269	SLV 13	0.39	828	1.064	-715965	-334170	-1463126	SLV 13	0.57	2474	1.666	Si
253	-7544	-8511	-16269	SLV 13	0.37	756	1.025	-810458	-411683	-1591791	SLV 13	0.57	2474	1.666	Si
276	-8208	-8511	-19695	SLV 13	0.48	1533	1.369	-1010886	-566845	-2409591	SLV 13	0.57	2474	1.666	Si
299	-8871	-8511	-19607	SLV 13	0.45	1281	1.272	-1196791	-701367	-2663459	SLV 13	0.57	2474	1.666	Si
322	-9534	-8511	-19594	SLV 13	0.43	1078	1.185	-1196791	-701367	-2701330	SLV 13	0.57	2474	1.666	Si
325	-9621	-8511	-19594	SLV 13	0.42	1054	1.174	-1196791	-701367	-2701330	SLV 13	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-824	-2987	-11671	SLD 13	0.48	1523	3.437	396098	601222	1865107	SLD 13	0.33	559	2.279	Si
23	-911	-2987	-11671	SLD 13	0.48	1491	3.407	396098	601222	1865107	SLD 13	0.33	559	2.279	Si
46	-1574	-2987	-11671	SLD 13	0.45	1259	3.179	396098	601222	1865104	SLD 13	0.33	559	2.279	Si
69	-2238	-2987	-11671	SLD 13	0.42	1050	2.951	373831	541702	1865229	SLD 13	0.37	746	2.565	Si
80	-2569	-2987	-11671	SLD 13	0.41	955	2.838	355832	507359	1865289	SLD 13	0.4	901	2.771	Si
103	-3233	-2987	-16269	SLD 13	0.57	2474	4.193	262350	-386214	-963633	SLD 3	0.43	1065	2.968	Si
126	-3896	-2987	-16269	SLD 13	0.55	2165	3.97	245697	-370002	-963545	SLD 3	0.44	1152	3.065	Si
149	-4559	-2987	-16269	SLD 13	0.52	1869	3.738	167745	301340	962923	SLD 13	0.36	673	2.459	Si
172	-5223	-2987	-16269	SLD 13	0.49	1599	3.506	74537	232701	962923	SLD 13	0.51	1741	3.63	Si
195	-5886	-2987	-16269	SLD 13	0.46	1356	3.277	-33928	-164120	-962923	SLD 3	0.6	2474	4.193	Si
218	-6549	-2987	-16269	SLD 13	0.44	1138	3.05	-538422	-79366	-962923	SLD 13	0.6	2474	4.193	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
241	-7213	-2987	-16269	SLD 13	0.41	943	2.823	-715965	-147721	-1463126	SLD 13	0.6	2474	4.193	Si
253	-7544	-2987	-16269	SLD 13	0.39	861	2.72	-810458	-181999	-1591791	SLD 13	0.57	2384	4.13	Si
276	-8208	-2987	-19695	SLD 13	0.51	1776	3.66	-1010886	-250614	-2409591	SLD 13	0.6	2474	4.193	Si
299	-8871	-2987	-19607	SLD 13	0.48	1482	3.398	-1196791	-310101	-2663459	SLD 13	0.6	2474	4.193	Si
322	-9534	-2987	-19594	SLD 13	0.45	1248	3.167	-1196791	-310101	-2701330	SLD 13	0.6	2474	4.193	Si
325	-9621	-2987	-19594	SLD 13	0.45	1219	3.137	-1196791	-310101	-2701330	SLD 13	0.6	2474	4.193	Si

Campata 2 tra i fili 59 - ?, sezione R 40x70, asta 1204

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	7.6	5.4						-2757524	SLU 36	-2547731	-2701330	0.127	Si
17	22.81	6.7	7.6	5.4						-2406111	SLU 36	-2401714	-2701330	0.127	Si
20	22.81	6.7	7.6	5.4						-2345631	SLU 36	-2345631	-2701330	0.127	Si
34	22.81	6.7	7.6	5.4						-2066293	SLU 36	-2345631	-2701330	0.127	Si
51	21.99	6.6	7.6	5.4						-1738070	SLU 36	-2306723	-2612264	0.12	Si
68	20.38	6.4	7.6	5.4						-1421442	SLU 36	-1970268	-2436540	0.113	Si
77	19.58	6.3	7.6	5.4						-1267476	SLU 36	-1806388	-2348359	0.11	Si
94	15.21	5.4	7.6	5.4						-968240	SLU 36	-1487325	-1865528	0.096	Si
111	13.86	5.4	7.6	5.4						-680599	SLU 36	-1179857	-1705586	0.092	Si
128	12.25	5.4	7.6	5.4	-247743	SLU 1	77539	963447	0.08	-406279	SLU 30	-883984	-1515417	0.088	Si
145	10.65	5.4	7.6	5.4	-69819	SLU 8	315934	963309	0.079	-163629	SLU 29	-599706	-1325141	0.085	Si
162	7.6	5.4	7.6	5.4	146119	SLU 35	545693	962923	0.078	36587	SLU 2	-334372	-962923	0.078	Si
179	7.6	5.4	7.6	5.4	384111	SLU 35	763858	962923	0.078	194953	SLU 2	-97018	-962923	0.078	Si
187	7.6	5.4	7.6	5.4	498759	SLU 35	868592	962923	0.078						Si
204	11.81	5.4	12.85	5.4	719358	SLU 35	1069364	1586413	0.088						Si
221	13.41	5.4	15.14	5.4	928363	SLU 35	1147974	1857657	0.091						Si
240	15.21	5.4	15.21	5.4	1147974	SLU 35	1147974	1864772	0.091						Si
255	15.21	5.4	15.21	5.4	1311587	SLU 35	1231907	1864772	0.091						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	7.6	5.4						-2766493	SLV 3	-2593483	-2701330	0.127	Si
17	22.81	6.7	7.6	5.4						-2476135	SLV 3	-2472475	-2701330	0.127	Si
20	22.81	6.7	7.6	5.4						-2425998	SLV 3	-2425998	-2701330	0.127	Si
34	22.81	6.7	7.6	5.4						-2194112	SLV 3	-2425998	-2701330	0.127	Si
51	21.99	6.6	7.6	5.4						-1920424	SLV 3	-2393744	-2612264	0.12	Si
68	20.38	6.4	7.6	5.4						-1655072	SLV 3	-2114138	-2436540	0.113	Si
77	19.58	6.3	7.6	5.4	-198551	SLV 13	55430	1000077	0.086	-1525522	SLV 3	-1977461	-2348359	0.11	Si
94	15.21	5.4	7.6	5.4	-46917	SLV 13	192813	963633	0.08	-1272674	SLV 3	-1710359	-1865528	0.096	Si
111	13.86	5.4	7.6	5.4	96383	SLV 13	321864	963557	0.08	-1028161	SLV 3	-1451592	-1705586	0.092	Si
128	12.25	5.4	7.6	5.4	231350	SLV 13	442582	963447	0.08	-791985	SLV 3	-1201161	-1515417	0.088	Si
145	10.65	5.4	7.6	5.4	357984	SLV 13	554970	963309	0.079	-564146	SLV 3	-959066	-1325141	0.085	Si
162	7.6	5.4	7.6	5.4	476286	SLV 13	659027	962923	0.078	-344644	SLV 3	-725308	-962923	0.078	Si
179	7.6	5.4	7.6	5.4	586257	SLV 13	754758	962923	0.078	-133481	SLV 3	-499886	-962923	0.078	Si
187	7.6	5.4	7.6	5.4	638119	SLV 13	799502	962923	0.078	-31027	SLV 3	-390302	-962923	0.078	Si
204	11.81	5.4	12.85	5.4	735598	SLV 13	882752	1586413	0.088	167624	SLV 3	-177388	-1462702	0.086	Si
221	13.41	5.4	15.14	5.4	824753	SLV 13	914372	1857657	0.091						Si
240	15.21	5.4	15.21	5.4	914372	SLV 13	914372	1864772	0.091						Si
255	15.21	5.4	15.21	5.4	978139	SLV 13	947740	1864772	0.091						Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	7.6	5.4						-2269468	SLD 3	-2113060	-2701330	0.127	Si
17	22.81	6.7	7.6	5.4						-2007335	SLD 3	-2004049	-2701330	0.127	Si
20	22.81	6.7	7.6	5.4						-1962179	SLD 3	-1962179	-2701330	0.127	Si
34	22.81	6.7	7.6	5.4						-1753536	SLD 3	-1962179	-2701330	0.127	Si
51	21.99	6.6	7.6	5.4						-1508073	SLD 3	-1933129	-2612264	0.12	Si
68	20.38	6.4	7.6	5.4						-1270944	SLD 3	-1681748	-2436540	0.113	Si
77	19.58	6.3	7.6	5.4						-1155506	SLD 3	-1559183	-2348359	0.11	Si
94	15.21	5.4	7.6	5.4						-930880	SLD 3	-1320304	-1865528	0.096	Si
111	13.86	5.4	7.6	5.4	-217189	SLD 13	56550	963557	0.08	-714590	SLD 3	-1089760	-1705586	0.092	Si
128	12.25	5.4	7.6	5.4	-54001	SLD 13	205487	963447	0.08	-506635	SLD 3	-867552	-1515417	0.088	Si
145	10.65	5.4	7.6	5.4	100853	SLD 13	346091	963309	0.079	-307016	SLD 3	-653679	-1325141	0.085	Si
162	7.6	5.4	7.6	5.4	247374	SLD 13	478363	962923	0.078	-115732	SLD 3	-448141	-962923	0.078	Si
179	7.6	5.4	7.6	5.4	385562	SLD 13	602303	962923	0.078	67214	SLD 3	-250939	-962923	0.078	Si
187	7.6	5.4	7.6	5.4	451531	SLD 13	661150	962923	0.078	155561	SLD 3	-155464	-962923	0.078	Si
204	11.81	5.4	12.85	5.4	577221	SLD 13	772598	1586413	0.088						Si
221	13.41	5.4	15.14	5.4	694581	SLD 13	815708	1857657	0.091						Si
240	15.21	5.4	15.21	5.4	815708	SLD 13	815708	1864772	0.091						Si
255	15.21	5.4	15.21	5.4	904331	SLD 13	861528	1864772	0.091						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	21.19	0	21012	SLU 36	21012	12287	66952	0	12287	1	Si
17	0	19.58	0	20330	SLU 36	20330	11969	66952	0	11969	1	Si
20	0.187	18.78	0	20210	SLU 36	20210	11803	66952	21227	21227	1	Si
34	0.187	15.21	0	19648	SLU 36	19648	11001	66952	21227	21227	1	Si
51	0.187	13.86	0	18966	SLU 36	18966	10673	67057	21261	21261	1	Si
68	0.187	12.25	0	18284	SLU 36	18284	10262	67288	21334	21334	1	Si
77	0.187	11.45	0	17943	SLU 36	17943	10043	67417	21375	21375	1	Si
94	0.151	7.6	0	17261	SLU 36	17261	8821	68363	17506	17506	1	Si
111	0.151	7.6	0	16579	SLU 36	16579	8821	68363	17506	17506	1	Si
128	0.151	11.01	0	15897	SLU 36	15897	9980	68363	17506	17506	1	Si
145	0.151	12.61	0	15215	SLU 36	15215	10442	68363	17506	17506	1	Si
162	0.151	7.6	0	14533	SLU 36	14533	8821	68363	17506	17506	1	Si
179	0.129	7.6	0	13851	SLU 36	13851	8821	68363	15005	15005	1	Si
187	0.129	7.6	0	13510	SLU 36	13510	8821	68363	15005	15005	1	Si
204	0.129	7.6	0	12828	SLU 36	12828	8821	68363	15005	15005	1	Si
221	0.129	7.6	0	12146	SLU 36	12146	8821	68363	15005	15005	1	Si
240	0.129	7.6	0	11383	SLU 36	11383	8821	68363	15005	15005	1	Si
255	0	7.6	0	10782	SLU 36	10782	8821	68363	0	8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	21.19	0	17325	SLV 3	18099	12287	66952	0	12287	1	Si
17	0	19.58	0	16835	SLV 3	17609	11969	66952	0	11969	1	Si
20	0.187	18.78	0	16748	SLV 3	17523	11803	66952	21227	21227	1	Si
34	0.187	15.21	0	16345	SLV 3	17119	11001	66952	21227	21227	1	Si
51	0.187	13.86	0	15854	SLV 3	16628	10673	67057	21261	21261	1	Si
68	0.187	12.25	0	15364	SLV 3	16138	10262	67288	21334	21334	1	Si
77	0.187	11.45	0	15119	SLV 3	15893	10043	67417	21375	21375	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
94	0.151	7.6	0	14629	SLV 3	15403	8821	68363	17506	17506	1	Si
111	0.151	7.6	0	14138	SLV 3	14913	8821	68363	17506	17506	1	Si
128	0.151	11.01	0	13648	SLV 3	14422	9980	68363	17506	17506	1	Si
145	0.151	12.61	0	13158	SLV 3	13932	10442	68363	17506	17506	1	Si
162	0.151	14.22	0	12668	SLV 3	13442	10867	68363	17506	17506	1	Si
179	0.129	13.86	0	12177	SLV 3	12951	10774	68363	15005	15005	1	Si
187	0.129	13.05	0	11932	SLV 3	12706	10562	68363	15005	15005	1	Si
204	0.129	7.6	0	11442	SLV 3	12216	8821	68363	15005	15005	1	Si
221	0.129	7.6	0	10952	SLV 3	11726	8821	68363	15005	15005	1	Si
240	0.129	7.6	0	10404	SLV 3	11178	8821	68363	15005	15005	1	Si
255	0	7.6	0	9971	SLV 3	10745	8821	68363	0	8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	21.19	0	15665	SLD 3	15665	12287	66952	0	12287	1	Si
17	0	19.58	0	15175	SLD 3	15175	11969	66952	0	11969	1	Si
20	0.187	18.78	0	15088	SLD 3	15088	11803	66952	21227	21227	1	Si
34	0.187	15.21	0	14684	SLD 3	14684	11001	66952	21227	21227	1	Si
51	0.187	13.86	0	14194	SLD 3	14194	10673	67057	21261	21261	1	Si
68	0.187	12.25	0	13704	SLD 3	13704	10262	67288	21334	21334	1	Si
77	0.187	11.45	0	13459	SLD 3	13459	10043	67417	21375	21375	1	Si
94	0.151	7.6	0	12968	SLD 3	12968	8821	68363	17506	17506	1	Si
111	0.151	7.6	0	12478	SLD 3	12478	8821	68363	17506	17506	1	Si
128	0.151	11.01	0	11988	SLD 3	11988	9980	68363	17506	17506	1	Si
145	0.151	12.61	0	11497	SLD 3	11497	10442	68363	17506	17506	1	Si
162	0.151	14.22	0	11007	SLD 3	11007	10867	68363	17506	17506	1	Si
179	0.129	7.6	0	10517	SLD 3	10517	8821	68363	15005	15005	1	Si
187	0.129	7.6	0	10272	SLD 3	10272	8821	68363	15005	15005	1	Si
204	0.129	7.6	0	9781	SLD 3	9781	8821	68363	15005	15005	1	Si
221	0.129	7.6	0	9291	SLD 3	9291	8821	68363	15005	15005	1	Si
240	0.129	7.6	0	8743	SLD 3	8743	8821	68363	15005	15005	1	Si
255	0	7.6	0	8311	SLD 3	8311	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-2047770	9	-1891440	60	124.5	1536.4	1837	-1875264	2	-1732023	54.9	93.4	0	+∞	Si
17	-1785959	9	-1782686	56.5	124.5	1448	1837	-1635517	2	-1632526	51.8	93.4	0	+∞	Si
20	-1740916	9	-1740916	55.2	124.5	1414.1	1837	-1594311	2	-1594311	50.5	93.4	0	+∞	Si
34	-1532901	9	-1740916	55.2	124.5	1414.1	1837	-1404104	2	-1594311	50.5	93.4	0	+∞	Si
51	-1288594	9	-1711938	54.8	124.5	1433.6	1837	-1181026	2	-1567803	50.1	93.4	0	+∞	Si
68	-1053039	9	-1461417	47.6	124.5	1303.1	1837	-966283	2	-1338807	43.6	93.4	0	+∞	Si
77	-938544	9	-1339439	44.1	124.5	1234.6	1837	-862037	2	-1227435	40.4	93.4	0	+∞	Si
94	-716118	9	-1102046	38.5	124.5	1249	1837	-659796	2	-1010941	35.4	93.4	0	+∞	Si
111	-502444	9	-873406	31.5	124.5	1082.1	1837	-465889	2	-802783	29	93.4	0	+∞	Si
128	-298673	3	-653518	24.6	124.5	911.1	1837	-280318	2	-602959	22.7	93.4	0	+∞	Si
145	-117037	2	-442383	17.5	124.5	705.9	1837	-103081	2	-411469	16.3	93.4	0	+∞	Si
162	108308	8	404519	10.5	124.5	158.1	1837	84887	1	350949	15.7	93.4	0	+∞	Si
179	284794	8	566038	14.7	124.5	221.2	1837	243586	1	495396	22.2	93.4	0	+∞	Si
187	369754	8	643516	16.8	124.5	251.5	1837	319810	1	564494	25.3	93.4	0	+∞	Si
204	533112	8	791907	27.6	124.5	1049.6	1837	466008	1	696439	24.2	93.4	0	+∞	Si
221	687717	8	849957	27.4	124.5	960.4	1837	603870	1	747901	24.1	93.4	0	+∞	Si
240	849957	8	849957	26.7	124.5	955	1837	747901	1	747901	23.5	93.4	0	+∞	Si
255	970671	8	911919	28.6	124.5	1024.6	1837	854590	1	802774	25.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.012	1	-0.013	1	9999	Si
20	-0.005	-0.006	-0.006	-0.007	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.014	1	-0.014	1	9999	Si
34	-0.007	-0.008	-0.008	-0.01	-0.007	-0.008	-0.008	-0.009	-0.007	-0.007	-0.02	1	-0.021	1	9999	Si
51	-0.009	-0.01	-0.01	-0.012	-0.009	-0.009	-0.01	-0.01	-0.009	-0.009	-0.024	1	-0.025	1	9999	Si
68	-0.009	-0.011	-0.01	-0.013	-0.009	-0.01	-0.01	-0.011	-0.009	-0.01	-0.025	1	-0.027	1	9999	Si
77	-0.009	-0.011	-0.01	-0.013	-0.009	-0.01	-0.01	-0.011	-0.009	-0.01	-0.025	1	-0.027	1	9999	Si
94	-0.009	-0.01	-0.01	-0.012	-0.009	-0.01	-0.01	-0.011	-0.009	-0.009	-0.024	1	-0.026	1	9999	Si
111	-0.008	-0.009	-0.009	-0.011	-0.008	-0.009	-0.009	-0.01	-0.008	-0.009	-0.022	1	-0.023	1	9999	Si
128	-0.007	-0.008	-0.008	-0.009	-0.007	-0.007	-0.008	-0.008	-0.007	-0.007	-0.019	1	-0.02	1	9999	Si
145	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.015	1	-0.016	1	9999	Si
162	-0.003	-0.004	-0.004	-0.006	-0.003	-0.004	-0.004	-0.005	-0.003	-0.004	-0.011	1	-0.012	1	9999	Si
179	-0.002	-0.003	-0.003	-0.004	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.007	1	-0.008	1	9999	Si
187	-0.001	-0.002	-0.002	-0.003	-0.001	-0.002	-0.002	-0.003	-0.001	-0.002	-0.005	1	-0.006	1	9999	Si
204	0	-0.001	-0.001	-0.002	0	0	-0.001	-0.001	0	0	-0.003	1	-0.003	1	9999	Si
221	0.001	0	0	-0.001	0.001	0	0	0	0.001	0	-0.001	1	-0.001	1	9999	Si
240	0.001	0	0	0	0.001	0.001	0	0	0.001	0.001	0	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	13771	3751	21227	SLV 3	0.57	2474	1.666	-1594311	-831687	-2701330	SLV 3	0.48	1477	1.349	Si
34	13367	3751	21227	SLV 3	0.57	2474	1.666	-1594311	-831687	-2701330	SLV 3	0.48	1477	1.349	Si
51	12877	3751	21261	SLV 3	0.57	2474	1.666	-1567803	-825941	-2612264	SLV 3	0.46	1289	1.276	Si
68	12387	3751	21334	SLV 3	0.57	2474	1.666	-1338807	-775331	-2436540	SLV 3	0.51	1742	1.443	Si
77	12142	3751	21375	SLV 3	0.57	2474	1.666	-1227435	-750026	-2348359	SLV 3	0.53	2013	1.531	Si
94	11651	3751	17506	SLV 3	0.56	2261	1.606	-1010941	-699417	-1865528	SLV 3	0.44	1177	1.229	Si
111	11161	3751	17506	SLV 3	0.57	2474	1.666	-802783	-648809	-1705586	SLV 3	0.5	1663	1.416	Si
128	10671	3751	17506	SLV 3	0.57	2474	1.666	-602959	-598202	-1515417	SLV 3	0.54	2126	1.566	Si
145	10181	3751	17506	SLV 3	0.57	2474	1.666	-411469	-547597	-1325141	SLV 3	0.57	2474	1.666	Si
162	9690	3751	17506	SLV 3	0.57	2474	1.666	-228315	-496993	-962923	SLV 3	0.53	1955	1.513	Si
179	9200	3751	15005	SLV 3	0.55	2210	1.591	481392	273366	962923	SLV 13	0.57	2474	1.666	Si
187	8955	3751	15005	SLV 3	0.57	2469	1.665	551424	248078	962923	SLV 13	0.57	2474	1.666	Si
204	8465	3751	15005	SLV 3	0.57	2474	1.666	193106	370494	1586413	SLV 13	0.57	2474	1.666	Si
221	7974	3751	15005	SLV 3	0.57	2474	1.666	347089	319903	1857657	SLV 13	0.57	2474	1.666	Si
240	7426	3751	15005	SLV 3	0.57	2474	1.666	737460	176912	1864772	SLV 13	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	13771	1317	21227	SLD 3	0.6	2474	4.193	-1594311	-367868	-2701330	SLD 3	0.4	926	2.802	Si
34	13367	1317	21227	SLD 3	0.6	2474	4.193	-1594311	-367868	-2701330	SLD 3	0.4	926	2.802	Si
51	12877	1317	21261	SLD 3	0.6	2474	4.193	-1567803	-365326	-2612264	SLD 3	0.38	818	2.664	Si
68	12387	1317	21334	SLD 3	0.6	2474	4.193	-1338807	-342941	-2436540	SLD 3	0.43	1090	2.996	Si
77	12142	1317	21375	SLD 3	0.6	2474	4.193	-1227435	-331748	-2348359	SLD 3	0.45	1258	3.178	Si
94	11651	1317	17506	SLD 3	0.58	2474	4.193	-1010941	-309363	-1865528	SLD 3	0.37	752	2.573	Si
111	11161	1317	17506	SLD 3	0.6	2474	4.193	-802783	-286978	-1705586	SLD 3	0.42	1039	2.938	Si
128	10671	1317	17506	SLD 3	0.6	2474	4.193	-602959	-264593	-1515417	SLD 3	0.46	1328	3.249	Si
145	10181	1317	17506	SLD 3	0.6	2474	4.193	-411469	-242209	-1325141	SLD 3	0.5	1687	3.584	Si
162	9690	1317	17506	SLD 3	0.6	2474	4.193	-228315	-219826	-962923	SLD 3	0.45	1221	3.139	Si
179	9200	1317	15005	SLD 3	0.58	2474	4.193	481392	120911	962923	SLD 13	0.53	1949	3.802	Si
187	8955	1317	15005	SLD 3	0.6	2474	4.193	551424	109726	962923	SLD 13	0.5	1660	3.56	Si
204	8465	1317	15005	SLD 3	0.6	2474	4.193	193106	163873	1586413	SLD 13	0.6	2474	4.193	Si
221	7974	1317	15005	SLD 3	0.6	2474	4.193	347089	141496	1857657	SLD 13	0.6	2474	4.193	Si
240	7426	1317	15005	SLD 3	0.6	2474	4.193	737460	78248	1864772	SLD 13	0.6	2474	4.193	Si

Campata 3 tra i fili ? - 60, sezione R 40x70, asta 1205

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	1280910	SLU 35	1280910	1864772	0.091						Si
15	15.21	5.4	15.21	5.4	1369807	SLU 35	1516805	1864772	0.091						Si
34	13.4	5.4	15.21	5.4	1471689	SLU 35	1595906	1864908	0.091						Si
68	7.6	5.4	15.21	5.4	1615631	SLU 35	1700000	1865528	0.096						Si
103	7.6	5.4	15.21	5.4	1712739	SLU 35	1757257	1865528	0.096						Si
137	7.6	5.4	15.21	5.4	1763010	SLU 35	1770582	1865528	0.096						Si
154	7.6	5.4	15.21	5.4	1770582	SLU 35	1770582	1865528	0.096						Si
188	7.6	5.4	15.21	5.4	1750600	SLU 35	1769348	1865528	0.096						Si
222	7.6	5.4	15.21	5.4	1683782	SLU 35	1742379	1865528	0.096						Si
256	7.6	5.4	15.21	5.4	1570129	SLU 35	1668575	1865528	0.096						Si
290	7.6	5.4	15.21	5.4	1409640	SLU 35	1547935	1865528	0.096						Si
325	7.6	5.4	15.21	5.4	1202315	SLU 35	1380459	1865528	0.096						Si
359	7.6	5.4	15.21	5.4	948154	SLU 35	1166148	1865528	0.096						Si
393	7.6	5.4	15.21	5.4	647158	SLU 35	905001	1865528	0.096						Si
410	11.29	5.4	15.21	5.4	479097	SLU 35	756864	1865060	0.093						Si
444	14.51	5.4	13.1	5.4	107847	SLU 35	425464	1615520	0.088	16385	SLU 2	-295271	-1782281	0.09	Si
478	15.21	5.4	14.31	5.4	-221173	SLU 4	47279	1758384	0.089	-355222	SLU 29	-437964	-1864821	0.091	Si
485	15.21	5.4	15.21	5.4						-437964	SLU 29	-437964	-1864772	0.091	Si
513	15.21	5.4	15.21	5.4						-808064	SLU 34	-613890	-1864772	0.091	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	982085	SLV 13	982085	1864772	0.091						Si
15	15.21	5.4	15.21	5.4	1005473	SLV 13	1033369	1864772	0.091						Si
34	13.4	5.4	15.21	5.4	1027059	SLV 13	1078612	1864908	0.091						Si
68	7.6	5.4	15.21	5.4	1108114	SLV 1	1255053	1865528	0.096						Si
103	7.6	5.4	15.21	5.4	1279406	SLV 3	1398239	1865528	0.096						Si
137	7.6	5.4	15.21	5.4	1417603	SLV 3	1507851	1865528	0.096						Si
154	7.6	5.4	15.21	5.4	1474105	SLV 3	1550043	1865528	0.096						Si
188	7.6	5.4	15.21	5.4	1561881	SLV 3	1609185	1865528	0.096						Si
222	7.6	5.4	15.21	5.4	1616004	SLV 3	1634669	1865528	0.096						Si
256	7.6	5.4	15.21	5.4	1636466	SLV 3	1636466	1865528	0.096						Si
290	7.6	5.4	15.21	5.4	1623265	SLV 3	1635752	1865528	0.096						Si
325	7.6	5.4	15.21	5.4	1576399	SLV 3	1617529	1865528	0.096	47086	SLV 13	-185756	-963633	0.08	Si
359	7.6	5.4	15.21	5.4	1495868	SLV 3	1565642	1865528	0.096	-228055	SLV 13	-489542	-963633	0.08	Si
393	7.6	5.4	15.21	5.4	1381671	SLV 3	1480089	1865528	0.096	-536863	SLV 13	-826996	-963633	0.08	Si
410	11.29	5.4	15.21	5.4	1311948	SLV 3	1424687	1865060	0.093	-703893	SLV 13	-1008348	-1400417	0.085	Si
444	14.51	5.4	13.1	5.4	1147252	SLV 3	1288636	1615520	0.088	-1063202	SLV 13	-1396302	-1782281	0.09	Si
478	15.21	5.4	14.31	5.4	948890	SLV 3	1118918	1758384	0.089	-1456179	SLV 13	-1537784	-1864821	0.091	Si
485	15.21	5.4	15.21	5.4	905258	SLV 3	1081855	1864772	0.091	-1537784	SLV 13	-1537784	-1864772	0.091	Si
513	15.21	5.4	15.21	5.4	716905	SLV 3	716905	1864772	0.091	-1882779	SLV 13	-1705352	-1864772	0.091	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	892833	SLD 13	892833	1864772	0.091						Si
15	15.21	5.4	15.21	5.4	940007	SLD 13	1013584	1864772	0.091						Si
34	13.4	5.4	15.21	5.4	991920	SLD 13	1066823	1864908	0.091						Si
68	7.6	5.4	15.21	5.4	1088184	SLD 1	1189302	1865528	0.096						Si
103	7.6	5.4	15.21	5.4	1205585	SLD 3	1278297	1865528	0.096						Si
137	7.6	5.4	15.21	5.4	1289572	SLD 3	1333665	1865528	0.096						Si
154	7.6	5.4	15.21	5.4	1318953	SLD 3	1348730	1865528	0.096						Si
188	7.6	5.4	15.21	5.4	1352475	SLD 3	1356613	1865528	0.096						Si
222	7.6	5.4	15.21	5.4	1352336	SLD 3	1356613	1865528	0.096						Si
256	7.6	5.4	15.21	5.4	1318533	SLD 3	1348549	1865528	0.096						Si
290	7.6	5.4	15.21	5.4	1251065	SLD 3	1309724	1865528	0.096						Si
325	7.6	5.4	15.21	5.4	1149931	SLD 3	1237234	1865528	0.096						Si
359	7.6	5.4	15.21	5.4	1015131	SLD 3	1131078	1865528	0.096						Si
393	7.6	5.4	15.21	5.4	846665	SLD 3	991256	1865528	0.096	-1857	SLD 13	-245815	-963633	0.08	Si
410	11.29	5.4	15.21	5.4	749807	SLD 3	908720	1865060	0.093	-141751	SLD 13	-400032	-1400417	0.085	Si
444	14.51	5.4	13.1	5.4	530841	SLD 3	718399	1615520	0.088	-446790	SLD 13	-733716	-1782281	0.09	Si
478	15.21	5.4	14.31	5.4	278208	SLD 3	494411	1758384	0.089	-785497	SLD 13	-856512	-1864821	0.091	Si
485	15.21	5.4	15.21	5.4	223987	SLD 3	446759	1864772	0.091	-856512	SLD 13	-856512	-1864772	0.091	Si
513	15.21	5.4	15.21	5.4						-1157826	SLD 13	-1002240	-1864772	0.091	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	6365	SLU 33	6365	11113	68363	0	11113	1	Si
15	0.072	15.21	0	5763	SLU 33	5763	11113	68363	8336	11113	1	Si
34	0.072	15.21	0	4994	SLU 33	4994	11113	68363	8336	11113	1	Si
68	0.072	15.21	0	3623	SLU 33	3623	11113	68363	8336	11113	1	Si
103	0.094	15.21	0	2260	SLU 24	2260	11113	68363	10964	11113	1	Si
137	0.094	15.21	0	987	SLU 19	987	11113	68363	10964	11113	1	Si
154	0.094	15.21	0	366	SLU 19	366	11113	68363	10964	11113	1	Si
154	0.094	15.21	0	-54	SLU 14	-54	-11113	-68363	-10964	-11113	1	Si
188	0.094	15.21	0	-1301	SLU 36	-1301	-11113	-68363	-10964	-11113	1	Si
222	0.094	15.21	0	-2671	SLU 36	-2671	-11113	-68363	-10964	-11113	1	Si
256	0.094	15.21	0	-4042	SLU 36	-4042	-11113	-68363	-10964	-11113	1	Si
290	0.094	15.21	0	-5413	SLU 36	-5413	-11113	-68363	-10964	-11113	1	Si
325	0.094	15.21	0	-6784	SLU 36	-6784	-11113	-68363	-10964	-11113	1	Si
359	0.094	15.21	0	-8155	SLU 36	-8155	-11113	-68363	-10964	-11113	1	Si
393	0.094	15.21	0	-9525	SLU 36	-9525	-11113	-68363	-10964	-11113	1	Si
410	0.094	14.31	0	-10211	SLU 36	-10211	-10890	-68363	-10964	-10964	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
444	0.115	15.21	0	-11582	SLU 36	-11582	-11113	-68363	-13338	-13338	1	Si
478	0.115	11.29	0	-12952	SLU 36	-12952	-10062	-68363	-13338	-13338	1	Si
485	0.115	12.9	0	-13220	SLU 36	-13220	-10520	-68363	-13338	-13338	1	Si
513	0	14.51	0	-14258	SLU 36	-14258	-10941	-68363	0	-10941	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	7497	SLV 3	8237	11113	68363	0	11113	1	Si
15	0.072	15.21	0	7064	SLV 3	7805	11113	68363	8336	11113	1	Si
34	0.072	15.21	0	6511	SLV 3	7252	11113	68363	8336	11113	1	Si
68	0.072	15.21	0	5526	SLV 3	6267	11113	68363	8336	11113	1	Si
68	0.072	15.21	0	-170	SLV 13	-911	-11113	-68363	-8336	-11113	1	Si
103	0.094	15.21	0	4541	SLV 3	5281	11113	68363	10964	11113	1	Si
103	0.094	15.21	0	-1155	SLV 13	-1896	-11113	-68363	-10964	-11113	1	Si
137	0.094	15.21	0	3555	SLV 3	4296	11113	68363	10964	11113	1	Si
137	0.094	15.21	0	-2141	SLV 13	-2881	-11113	-68363	-10964	-11113	1	Si
154	0.094	15.21	0	3063	SLV 3	3803	11113	68363	10964	11113	1	Si
154	0.094	15.21	0	-2634	SLV 13	-3374	-11113	-68363	-10964	-11113	1	Si
188	0.094	15.21	0	2077	SLV 3	2818	11113	68363	10964	11113	1	Si
188	0.094	15.21	0	-3619	SLV 13	-4359	-11113	-68363	-10964	-11113	1	Si
222	0.094	15.21	0	1092	SLV 3	1832	11113	68363	10964	11113	1	Si
222	0.094	15.21	0	-4604	SLV 13	-5345	-11113	-68363	-10964	-11113	1	Si
256	0.094	15.21	0	107	SLV 3	847	11113	68363	10964	11113	1	Si
256	0.094	15.21	0	-5590	SLV 13	-6330	-11113	-68363	-10964	-11113	1	Si
290	0.094	15.21	0	-6575	SLV 13	-7315	-11113	-68363	-10964	-11113	1	Si
325	0.094	15.21	0	-7560	SLV 13	-8301	-11113	-68363	-10964	-11113	1	Si
359	0.094	7.6	0	-8546	SLV 13	-9286	-8821	-68363	-10964	-10964	1	Si
393	0.094	7.6	0	-9531	SLV 13	-10272	-8821	-68363	-10964	-10964	1	Si
410	0.094	7.6	0	-10024	SLV 13	-10764	-8821	-68363	-10964	-10964	1	Si
444	0.115	7.6	0	-11009	SLV 13	-11750	-8821	-68363	-13338	-13338	1	Si
478	0.115	11.29	0	-11995	SLV 13	-12735	-10062	-68363	-13338	-13338	1	Si
485	0.115	12.9	0	-12187	SLV 13	-12927	-10520	-68363	-13338	-13338	1	Si
495	0	12.9	0	-12487	SLV 13	-13228	-10520	-68363	0	-10520	1	Si
513	0	14.51	0	-12934	SLV 13	-13674	-10941	-68363	0	-10941	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	5908	SLD 3	5908	11113	68363	0	11113	1	Si
15	0.072	15.21	0	5476	SLD 3	5476	11113	68363	8336	11113	1	Si
34	0.072	15.21	0	4923	SLD 3	4923	11113	68363	8336	11113	1	Si
68	0.072	15.21	0	3938	SLD 3	3938	11113	68363	8336	11113	1	Si
103	0.094	15.21	0	2952	SLD 3	2952	11113	68363	10964	11113	1	Si
137	0.094	15.21	0	1967	SLD 3	1967	11113	68363	10964	11113	1	Si
137	0.094	15.21	0	-552	SLD 13	-552	-11113	-68363	-10964	-11113	1	Si
154	0.094	15.21	0	1474	SLD 3	1474	11113	68363	10964	11113	1	Si
154	0.094	15.21	0	-1045	SLD 13	-1045	-11113	-68363	-10964	-11113	1	Si
188	0.094	15.21	0	489	SLD 3	489	11113	68363	10964	11113	1	Si
188	0.094	15.21	0	-2030	SLD 13	-2030	-11113	-68363	-10964	-11113	1	Si
222	0.094	15.21	0	-3016	SLD 13	-3016	-11113	-68363	-10964	-11113	1	Si
256	0.094	15.21	0	-4001	SLD 13	-4001	-11113	-68363	-10964	-11113	1	Si
290	0.094	15.21	0	-4987	SLD 13	-4987	-11113	-68363	-10964	-11113	1	Si
325	0.094	15.21	0	-5972	SLD 13	-5972	-11113	-68363	-10964	-11113	1	Si
359	0.094	15.21	0	-6957	SLD 13	-6957	-11113	-68363	-10964	-11113	1	Si
393	0.094	7.6	0	-7943	SLD 13	-7943	-8821	-68363	-10964	-10964	1	Si
410	0.094	7.6	0	-8435	SLD 13	-8435	-8821	-68363	-10964	-10964	1	Si
444	0.115	7.6	0	-9421	SLD 13	-9421	-8821	-68363	-13338	-13338	1	Si
478	0.115	11.29	0	-10406	SLD 13	-10406	-10062	-68363	-13338	-13338	1	Si
485	0.115	12.9	0	-10598	SLD 13	-10598	-10520	-68363	-13338	-13338	1	Si
513	0	14.51	0	-11345	SLD 13	-11345	-10941	-68363	0	-10941	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente						Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	947151	8	947151	29.7	124.5	1064.2	1837	830911	1	830911	26.1	93.4	0	+∞	Si
15	1014843	8	1126945	35.3	124.5	1266.2	1837	897207	1	1007512	31.6	93.4	0	+∞	Si
34	1092500	8	1187407	38.2	124.5	1336.5	1837	973501	1	1067431	34.3	93.4	0	+∞	Si
68	1202496	8	1267324	44.3	124.5	1436.4	1837	1082424	1	1147710	40.1	93.4	0	+∞	Si
103	1277140	8	1311887	45.9	124.5	1486.9	1837	1157680	1	1194321	41.8	93.4	0	+∞	Si
137	1316430	8	1322818	46.3	124.5	1499.2	1837	1199270	1	1207439	42.2	93.4	0	+∞	Si
154	1322818	8	1322818	46.3	124.5	1499.2	1837	1207439	1	1207439	42.2	93.4	0	+∞	Si
188	1309079	8	1322087	46.2	124.5	1498.4	1837	1198529	1	1207366	42.2	93.4	0	+∞	Si
222	1259987	8	1303074	45.6	124.5	1476.9	1837	1155951	1	1193433	41.7	93.4	0	+∞	Si
256	1175542	8	1248708	43.7	124.5	1415.3	1837	1079707	1	1145834	40.1	93.4	0	+∞	Si
290	1055744	8	1158990	40.5	124.5	1313.6	1837	969796	1	1064567	37.2	93.4	0	+∞	Si
325	900593	8	1033918	36.2	124.5	1171.8	1837	826219	1	949634	33.2	93.4	0	+∞	Si
359	710089	8	873493	30.6	124.5	990	1837	648974	1	801034	28	93.4	0	+∞	Si
393	484232	8	677716	23.7	124.5	768.1	1837	438063	1	618768	21.6	93.4	0	+∞	Si
410	358046	8	566570	18.8	124.5	639.2	1837	319982	1	515010	17.1	93.4	0	+∞	Si
444	79160	8	317763	10.6	124.5	412.5	1837	58571	1	282243	9.4	93.4	0	+∞	Si
478	-265069	2	-327764	10.4	124.5	368.6	1837	-253644	2	-316263	10	93.4	0	+∞	Si
485	-327764	2	-327764	10.3	124.5	368.3	1837	-316263	2	-316263	9.9	93.4	0	+∞	Si
513	-606603	7	-460496	14.4	124.5	517.4	1837	-582937	2	-444670	13.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.013	0.011	0.015	0.012	0.012	0.011	0.012	0.012	0.012	0.011	0.034	1	0.033	1	9999	Si
34	0.028	0.025	0.033	0.026	0.026	0.025	0.027	0.026	0.026	0.025	0.075	1	0.073	1	6862	Si
68	0.052	0.047	0.062	0.049	0.048	0.047	0.051	0.049	0.048	0.047	0.141	1	0.138	1	3623	Si
103	0.072	0.064	0.086	0.068	0.066	0.065	0.072	0.068	0.066	0.065	0.197	1	0.192	1	2608	Si
137	0.087	0.078	0.104	0.082	0.08	0.078	0.087	0.083	0.08	0.079	0.238	1	0.232	1	2151	Si
154	0.093	0.083	0.111	0.087	0.086	0.084	0.093	0.088	0.085	0.084	0.254	1	0.247	1	2019	Si
188	0.101	0.09	0.12	0.094	0.093	0.091	0.1	0.096	0.092	0.091	0.274	1	0.267	1	1868	Si
222	0.104	0.093	0.122	0.096	0.096	0.094	0.102	0.098	0.095	0.094	0.281	1	0.272	1	1825	Si
256	0.103	0.092	0.119	0.094	0.095	0.093	0.1	0.095	0.094	0.093	0.274	1	0.265	1	1870	Si
290	0.098	0.087	0.111	0.088	0.09	0.088	0.093	0.089	0.089	0.088	0.255	1	0.246	1	2007	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
325	0.088	0.079	0.098	0.078	0.081	0.079	0.083	0.079	0.081	0.08	0.227	1	0.219	1	2258	Si
359	0.076	0.067	0.083	0.067	0.07	0.068	0.071	0.068	0.069	0.068	0.192	1	0.185	1	2666	Si
393	0.061	0.054	0.066	0.053	0.056	0.054	0.056	0.054	0.055	0.054	0.152	1	0.147	1	3361	Si
410	0.052	0.046	0.057	0.045	0.048	0.047	0.048	0.046	0.048	0.047	0.131	1	0.126	1	3905	Si
444	0.035	0.031	0.038	0.03	0.032	0.031	0.032	0.031	0.032	0.031	0.087	1	0.084	1	5878	Si
478	0.017	0.015	0.019	0.015	0.015	0.015	0.016	0.015	0.015	0.015	0.043	1	0.041	1	9999	Si
485	0.013	0.012	0.015	0.012	0.012	0.012	0.013	0.012	0.012	0.012	0.034	1	0.033	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	4216	3589	11113	SLV 3	0.57	2474	1.666	888087	117386	1864772	SLV 13	0.57	2474	1.666	Si
34	3663	3589	11113	SLV 3	0.57	2474	1.666	888087	117386	1864908	SLV 13	0.57	2474	1.666	Si
68	2678	3589	11113	SLV 3	0.57	2474	1.666	1137165	117889	1865528	SLV 3	0.57	2474	1.666	Si
103	1693	3589	11113	SLV 3	0.57	2474	1.666	1183185	215054	1865528	SLV 3	0.57	2474	1.666	Si
137	707	3589	11113	SLV 3	0.57	2474	1.666	1195538	312313	1865528	SLV 3	0.57	2474	1.666	Si
154	215	3589	11113	SLV 3	0.57	2474	1.666	1189090	360952	1865528	SLV 3	0.57	2474	1.666	Si
188	-771	-3589	-11113	SLV 13	0.57	2474	1.666	1150944	458242	1865528	SLV 3	0.55	2256	1.605	Si
222	-1756	-3589	-11113	SLV 13	0.57	2474	1.666	1079130	555538	1865528	SLV 3	0.51	1741	1.443	Si
256	-2742	-3589	-11113	SLV 13	0.57	2474	1.666	1066413	570052	1865528	SLV 3	0.5	1695	1.427	Si
290	-3727	-3589	-11113	SLV 13	0.57	2474	1.666	834504	750142	1865528	SLV 3	0.49	1609	1.397	Si
325	-4712	-3589	-11113	SLV 13	0.57	2474	1.666	935661	681868	1865528	SLV 3	0.49	1576	1.385	Si
359	-5698	-3589	-10964	SLV 13	0.52	1917	1.501	786470	779172	1865528	SLV 3	0.5	1642	1.409	Si
393	-6683	-3589	-10964	SLV 13	0.43	1105	1.197	215062	-1042058	-963633	SLV 13	0.41	961	1.131	Si
410	-7176	-3589	-10964	SLV 13	0.38	812	1.055	82364	-1090712	-1400417	SLV 13	0.49	1563	1.38	Si
444	-8161	-3589	-13338	SLV 13	0.52	1832	1.473	266200	1022436	1615520	SLV 3	0.47	1444	1.336	Si
478	-9146	-3589	-13338	SLV 13	0.42	1045	1.17	-316263	-1221521	-1864821	SLV 13	0.46	1298	1.279	Si
485	-9339	-3589	-13338	SLV 13	0.4	927	1.114	-316263	-1221521	-1864772	SLV 13	0.46	1298	1.279	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	4216	1260	11113	SLD 3	0.6	2474	4.193	888087	51919	1864772	SLD 13	0.6	2474	4.193	Si
34	3663	1260	11113	SLD 3	0.6	2474	4.193	888087	51919	1864908	SLD 13	0.6	2474	4.193	Si
68	2678	1260	11113	SLD 3	0.6	2474	4.193	1137165	52138	1865528	SLD 3	0.6	2474	4.193	Si
103	1693	1260	11113	SLD 3	0.6	2474	4.193	1183185	95112	1865528	SLD 3	0.6	2474	4.193	Si
137	707	1260	11113	SLD 3	0.6	2474	4.193	1195538	138127	1865528	SLD 3	0.6	2474	4.193	Si
154	215	1260	11113	SLD 3	0.6	2474	4.193	1189090	159639	1865528	SLD 3	0.56	2302	4.071	Si
188	-771	-1260	-11113	SLD 13	0.6	2474	4.193	1169041	187572	1865528	SLD 3	0.49	1617	3.522	Si
222	-1756	-1260	-11113	SLD 13	0.6	2474	4.193	1079130	245700	1865528	SLD 3	0.43	1090	2.996	Si
256	-2742	-1260	-11113	SLD 13	0.6	2474	4.193	973650	288734	1865528	SLD 3	0.41	989	2.879	Si
290	-3727	-1260	-11113	SLD 13	0.6	2474	4.193	834504	331769	1865528	SLD 3	0.42	1006	2.899	Si
325	-4712	-1260	-11113	SLD 13	0.6	2474	4.193	935661	301573	1865528	SLD 3	0.41	984	2.873	Si
359	-5698	-1260	-11113	SLD 13	0.57	2393	4.136	786470	344608	1865528	SLD 3	0.42	1026	2.923	Si
393	-6683	-1260	-10964	SLD 13	0.45	1277	3.197	215062	-460877	-963633	SLD 13	0.35	624	2.384	Si
410	-7176	-1260	-10964	SLD 13	0.4	925	2.801	82364	-482396	-1400417	SLD 13	0.41	977	2.865	Si
444	-8161	-1260	-13338	SLD 13	0.54	2121	3.936	266200	452199	1615520	SLD 3	0.4	908	2.78	Si
478	-9146	-1260	-13338	SLD 13	0.44	1209	3.126	-316263	-540250	-1864821	SLD 13	0.39	823	2.67	Si
485	-9339	-1260	-13338	SLD 13	0.43	1065	2.968	-316263	-540250	-1864772	SLD 13	0.39	823	2.67	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 61-63

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 61 - 62, sezione R 40x70, asta 1206

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	57262	SLU 17	57262	1864772	0.091	-96642	SLU 20	-36463	-1864772	0.091	Si
20	15.21	5.4	15.21	5.4	181211	SLU 35	363686	1864772	0.091						Si
23	15.21	5.4	15.21	5.4	202175	SLU 35	380553	1864772	0.091						Si
46	14.96	5.4	15.21	5.4	346647	SLU 35	498674	1864783	0.091						Si
69	12.8	5.4	15.21	5.4	470258	SLU 35	597510	1864925	0.092						Si
92	10.63	5.4	15.21	5.4	573008	SLU 35	680205	1865184	0.093						Si
104	7.6	5.4	15.21	5.4	619628	SLU 36	713730	1865528	0.096						Si
127	7.6	5.4	15.21	5.4	697383	SLU 36	765133	1865528	0.096						Si
150	7.6	5.4	15.21	5.4	754277	SLU 36	795675	1865528	0.096						Si
173	7.6	5.4	15.21	5.4	790310	SLU 36	805482	1865528	0.096						Si
196	7.6	5.4	12.11	5.4	805482	SLU 36	805482	1498969	0.088						Si
207	7.6	5.4	7.6	5.4	805245	SLU 36	805482	962923	0.078						Si
219	7.6	5.4	7.6	5.4	799792	SLU 36	805482	962923	0.078						Si
242	7.6	5.4	7.6	5.4	773242	SLU 36	802662	962923	0.078						Si
253	7.6	5.4	7.6	5.4	755153	SLU 30	794740	962923	0.078						Si
276	7.6	5.4	10.63	5.4	711687	SLU 29	763362	1323083	0.085						Si
299	7.6	5.4	11.4	5.4	648708	SLU 29	724366	1414576	0.086						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
322	7.6	5.4	11.4	5.4	565989	SLU 29	666582	1414576	0.086						Si
325	7.6	5.4	11.4	5.4	553221	SLU 29	657690	1414576	0.086						Si
345	7.6	5.4	11.4	5.4	463532	SLU 29	463532	1414576	0.086						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	1625789	SLV 13	1610080	1864772	0.091	-1720951	SLV 3	-1587058	-1864772	0.091	Si
20	15.21	5.4	15.21	5.4	1589063	SLV 13	1589063	1864772	0.091	-1458460	SLV 3	-1458460	-1864772	0.091	Si
23	15.21	5.4	15.21	5.4	1582965	SLV 13	1589063	1864772	0.091	-1419480	SLV 3	-1458460	-1864772	0.091	Si
46	14.96	5.4	15.21	5.4	1525144	SLV 13	1589063	1864783	0.091	-1133010	SLV 3	-1458460	-1836285	0.09	Si
69	12.8	5.4	15.21	5.4	1452325	SLV 13	1541349	1864925	0.092	-861542	SLV 3	-1207420	-1579221	0.087	Si
92	10.63	5.4	15.21	5.4	1364511	SLV 13	1472477	1865184	0.093	-605077	SLV 3	-932003	-1322099	0.084	Si
104	7.6	5.4	15.21	5.4	1314981	SLV 13	1432418	1865528	0.096	-482472	SLV 3	-799921	-963633	0.08	Si
127	7.6	5.4	15.21	5.4	1204679	SLV 13	1341053	1865528	0.096	-248519	SLV 3	-547010	-963633	0.08	Si
150	7.6	5.4	15.21	5.4	1079395	SLV 13	1234696	1865528	0.096	-29583	SLV 3	-309106	-963633	0.08	Si
173	7.6	5.4	15.21	5.4	939157	SLV 13	1113354	1865528	0.096	174308	SLV 3	-86217	-963633	0.08	Si
196	7.6	5.4	12.11	5.4	784099	SLV 13	977049	1498969	0.088						Si
219	7.6	5.4	7.6	5.4	617775	SLV 15	825872	962923	0.078						Si
242	7.6	5.4	7.6	5.4	697106	SLV 3	875687	962923	0.078						Si
253	7.6	5.4	7.6	5.4	770764	SLV 3	940032	962923	0.078						Si
276	7.6	5.4	10.63	5.4	907092	SLV 3	1057512	1323083	0.085	121569	SLV 13	-162791	-963307	0.079	Si
299	7.6	5.4	11.4	5.4	1028510	SLV 3	1147424	1414576	0.086	-101193	SLV 13	-371592	-963377	0.08	Si
322	7.6	5.4	11.4	5.4	1134958	SLV 3	1147424	1414576	0.086	-338984	SLV 13	-371592	-963377	0.08	Si
325	7.6	5.4	11.4	5.4	1147424	SLV 3	1147424	1414576	0.086	-371592	SLV 13	-371592	-963377	0.08	Si
345	7.6	5.4	11.4	5.4	1226419	SLV 3	1189582	1414576	0.086	-591787	SLV 13	-479048	-963377	0.08	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	692553	SLD 13	692553	1864772	0.091	-787715	SLD 3	-695539	-1864772	0.091	Si
20	15.21	5.4	15.21	5.4	739265	SLD 13	787485	1864772	0.091	-608662	SLD 3	-608662	-1864772	0.091	Si
23	15.21	5.4	15.21	5.4	745737	SLD 13	791012	1864772	0.091	-582252	SLD 3	-608662	-1864772	0.091	Si
46	14.96	5.4	15.21	5.4	783922	SLD 13	810251	1864783	0.091	-391788	SLD 3	-608662	-1836285	0.09	Si
69	12.8	5.4	15.21	5.4	807109	SLD 13	815298	1864925	0.092	-216326	SLD 3	-440930	-1579221	0.087	Si
92	10.63	5.4	15.21	5.4	815298	SLD 13	815298	1865184	0.093	-55864	SLD 3	-261520	-1322099	0.084	Si
104	7.6	5.4	15.21	5.4	813769	SLD 13	815298	1865528	0.096	18740	SLD 3	-177439	-963633	0.08	Si
127	7.6	5.4	15.21	5.4	799463	SLD 13	814574	1865528	0.096	156697	SLD 3	-20531	-963633	0.08	Si
150	7.6	5.4	15.21	5.4	770166	SLD 13	804215	1865528	0.096						Si
173	7.6	5.4	15.21	5.4	725889	SLD 13	778863	1865528	0.096						Si
196	7.6	5.4	12.11	5.4	666692	SLD 13	738528	1498969	0.088						Si
207	7.6	5.4	7.6	5.4	631651	SLD 15	712750	962923	0.078						Si
219	7.6	5.4	7.6	5.4	594144	SLD 15	683249	962923	0.078						Si
242	7.6	5.4	7.6	5.4	621860	SLD 3	679348	962923	0.078						Si
253	7.6	5.4	7.6	5.4	647629	SLD 3	695714	962923	0.078						Si
276	7.6	5.4	10.63	5.4	688032	SLD 3	717213	1323083	0.085						Si
299	7.6	5.4	11.4	5.4	713474	SLD 3	723930	1414576	0.086						Si
322	7.6	5.4	11.4	5.4	723930	SLD 3	723930	1414576	0.086						Si
325	7.6	5.4	11.4	5.4	723827	SLD 3	723930	1414576	0.086						Si
345	7.6	5.4	11.4	5.4	719392	SLD 3	719392	1414576	0.086	-84760	SLD 13	-16676	-963377	0.08	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	12.8	0	8025	SLU 34	8025	10492	68363	0	10492	1	Si
20	0.129	15.21	0	7243	SLU 34	7243	11113	68363	15005	15005	1	Si
23	0.129	15.21	0	7127	SLU 29	7127	11113	68363	15005	15005	1	Si
46	0.129	15.21	0	6269	SLU 29	6269	11113	68363	15005	15005	1	Si
69	0.129	15.21	0	5412	SLU 29	5412	11113	68363	15005	15005	1	Si
92	0.116	15.21	0	4554	SLU 29	4554	11113	68363	13423	13423	1	Si
104	0.116	15.21	0	4125	SLU 29	4125	11113	68363	13423	13423	1	Si
127	0.116	12.11	0	3267	SLU 29	3267	10303	68363	13423	13423	1	Si
150	0.116	7.6	0	2410	SLU 29	2410	8821	68363	13423	13423	1	Si
173	0.116	7.6	0	1586	SLU 20	1586	8821	68363	13423	13423	1	Si
196	0.116	9.86	0	765	SLU 20	765	9619	68363	13423	13423	1	Si
196	0.116	9.86	0	-173	SLU 17	-173	-9619	-68363	-13423	-13423	1	Si
219	0.116	11.4	0	19	SLU 2	19	10097	68363	13423	13423	1	Si
219	0.116	11.4	0	-974	SLU 35	-974	-10097	-68363	-13423	-13423	1	Si
242	0.116	11.4	0	-1881	SLU 35	-1881	-10097	-68363	-13423	-13423	1	Si
253	0.116	11.4	0	-2334	SLU 35	-2334	-10097	-68363	-13423	-13423	1	Si
276	0.115	7.6	0	-3240	SLU 35	-3240	-8821	-68363	-13338	-13338	1	Si
299	0.115	7.6	0	-4147	SLU 35	-4147	-8821	-68363	-13338	-13338	1	Si
322	0.115	7.6	0	-5053	SLU 35	-5053	-8821	-68363	-13338	-13338	1	Si
325	0.115	9.86	0	-5172	SLU 35	-5172	-9619	-68363	-13338	-13338	1	Si
345	0	10.63	0	-5960	SLU 35	-5960	-9864	-68363	0	-9864	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	12.8	0	13422	SLV 3	15367	10492	68363	0	10492	1	Si
0	0	15.21	0	-1539	SLV 13	-3484	-11113	-68363	0	-11113	1	Si
20	0.129	11.71	0	12860	SLV 3	14805	10187	68363	15005	15005	1	Si
20	0.129	15.21	0	-2102	SLV 13	-4047	-11113	-68363	-15005	-15005	1	Si
23	0.129	10.63	0	12774	SLV 3	14719	9862	68363	15005	15005	1	Si
23	0.129	15.21	0	-2187	SLV 13	-4132	-11113	-68363	-15005	-15005	1	Si
46	0.129	7.6	0	12123	SLV 3	14068	8821	68363	15005	15005	1	Si
46	0.129	15.21	0	-2839	SLV 13	-4784	-11113	-68363	-15005	-15005	1	Si
69	0.129	7.6	0	11471	SLV 3	13416	8821	68363	15005	15005	1	Si
69	0.129	15.21	0	-3491	SLV 13	-5436	-11113	-68363	-15005	-15005	1	Si
92	0.116	7.6	0	10819	SLV 3	12764	8821	68363	13423	13423	1	Si
92	0.116	15.21	0	-4142	SLV 13	-6087	-11113	-68363	-13423	-13423	1	Si
104	0.116	7.6	0	10493	SLV 3	12438	8821	68363	13423	13423	1	Si
104	0.116	15.21	0	-4468	SLV 13	-6413	-11113	-68363	-13423	-13423	1	Si
127	0.116	7.6	0	9841	SLV 3	11786	8821	68363	13423	13423	1	Si
127	0.116	12.11	0	-5120	SLV 13	-7065	-10303	-68363	-13423	-13423	1	Si
150	0.116	7.6	0	9190	SLV 3	11135	8821	68363	13423	13423	1	Si
150	0.116	7.6	0	-5772	SLV 13	-7717	-8821	-68363	-13423	-13423	1	Si
173	0.116	7.6	0	8538	SLV 3	10483	8821	68363	13423	13423	1	Si
173	0.116	7.6	0	-6424	SLV 13	-8369	-8821	-68363	-13423	-13423	1	Si
196	0.116	9.86	0	7886	SLV 3	9831	9619	68363	13423	13423	1	Si
196	0.116	9.86	0	-7075	SLV 13	-9020	-9619	-68363	-13423	-13423	1	Si
219	0.116	11.4	0	7234	SLV 3	9179	10097	68363	13423	13423	1	Si
219	0.116	11.4	0	-7727	SLV 13	-9672	-10097	-68363	-13423	-13423	1	Si
242	0.116	11.4	0	6582	SLV 3	8527	10097	68363	13423	13423	1	Si
242	0.116	11.4	0	-8379	SLV 13	-10324	-10097	-68363	-13423	-13423	1	Si
253	0.116	11.4	0	6257	SLV 3	8202	10097	68363	13423	13423	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
253	0.116	11.4	0	-8705	SLV 13	-10650	-10097	-68363	-13423	-13423	1	Si
276	0.115	7.6	0	5605	SLV 3	7550	8821	68363	13338	13338	1	Si
276	0.115	7.6	0	-9357	SLV 13	-11302	-8821	-68363	-13338	-13338	1	Si
299	0.115	7.6	0	4953	SLV 3	6898	8821	68363	13338	13338	1	Si
299	0.115	7.6	0	-10008	SLV 13	-11953	-8821	-68363	-13338	-13338	1	Si
322	0.115	7.6	0	4301	SLV 3	6246	8821	68363	13338	13338	1	Si
322	0.115	7.6	0	-10660	SLV 13	-12605	-8821	-68363	-13338	-13338	1	Si
325	0.115	9.86	0	4216	SLV 3	6161	9619	68363	13338	13338	1	Si
325	0.115	7.6	0	-10746	SLV 13	-12691	-8821	-68363	-13338	-13338	1	Si
345	0	10.63	0	3649	SLV 3	5594	9864	68363	0	9864	1	Si
345	0	7.6	0	-11312	SLV 13	-13257	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	12.8	0	9250	SLD 3	9250	10492	68363	0	10492	1	Si
20	0.129	11.71	0	8688	SLD 3	8688	10187	68363	15005	15005	1	Si
23	0.129	10.63	0	8602	SLD 3	8602	9862	68363	15005	15005	1	Si
46	0.129	7.6	0	7951	SLD 3	7951	8821	68363	15005	15005	1	Si
69	0.129	7.6	0	7299	SLD 3	7299	8821	68363	15005	15005	1	Si
92	0.116	7.6	0	6647	SLD 3	6647	8821	68363	13423	13423	1	Si
104	0.116	15.21	0	6321	SLD 3	6321	11113	68363	13423	13423	1	Si
104	0.116	15.21	0	-296	SLD 13	-296	-11113	-68363	-13423	-13423	1	Si
127	0.116	12.11	0	5669	SLD 3	5669	10303	68363	13423	13423	1	Si
127	0.116	12.11	0	-948	SLD 13	-948	-10303	-68363	-13423	-13423	1	Si
150	0.116	7.6	0	5018	SLD 3	5018	8821	68363	13423	13423	1	Si
150	0.116	7.6	0	-1600	SLD 13	-1600	-8821	-68363	-13423	-13423	1	Si
173	0.116	7.6	0	4366	SLD 3	4366	8821	68363	13423	13423	1	Si
173	0.116	7.6	0	-2252	SLD 13	-2252	-8821	-68363	-13423	-13423	1	Si
196	0.116	9.86	0	3714	SLD 3	3714	9619	68363	13423	13423	1	Si
196	0.116	9.86	0	-2903	SLD 13	-2903	-9619	-68363	-13423	-13423	1	Si
219	0.116	11.4	0	3062	SLD 3	3062	10097	68363	13423	13423	1	Si
219	0.116	11.4	0	-3555	SLD 13	-3555	-10097	-68363	-13423	-13423	1	Si
242	0.116	11.4	0	2410	SLD 3	2410	10097	68363	13423	13423	1	Si
242	0.116	11.4	0	-4207	SLD 13	-4207	-10097	-68363	-13423	-13423	1	Si
253	0.116	11.4	0	2084	SLD 3	2084	10097	68363	13423	13423	1	Si
253	0.116	11.4	0	-4533	SLD 13	-4533	-10097	-68363	-13423	-13423	1	Si
276	0.115	7.6	0	1433	SLD 3	1433	8821	68363	13338	13338	1	Si
276	0.115	7.6	0	-5185	SLD 13	-5185	-8821	-68363	-13338	-13338	1	Si
299	0.115	7.6	0	781	SLD 3	781	8821	68363	13338	13338	1	Si
299	0.115	7.6	0	-5836	SLD 13	-5836	-8821	-68363	-13338	-13338	1	Si
322	0.115	7.6	0	129	SLD 3	129	8821	68363	13338	13338	1	Si
322	0.115	7.6	0	-6488	SLD 13	-6488	-8821	-68363	-13338	-13338	1	Si
325	0.115	9.86	0	44	SLD 3	44	9619	68363	13338	13338	1	Si
325	0.115	9.86	0	-6574	SLD 13	-6574	-9619	-68363	-13338	-13338	1	Si
345	0	7.6	0	-7140	SLD 13	-7140	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	15486	8	15486	0.5	124.5	17.4	1837								Si
0	-57206	2	-24385	0.8	124.5	27.4	1837	-47581	2	-24385	0.8	93.4	0	+∞	Si
20	125521	8	264800	8.3	124.5	297.5	1837	76612	1	216466	6.8	93.4	0	+∞	Si
23	141505	8	277691	8.7	124.5	312	1837	92582	1	229490	7.2	93.4	0	+∞	Si
46	251777	8	368071	11.6	124.5	413.7	1837	203309	1	321269	10.1	93.4	0	+∞	Si
69	346301	8	443754	14.4	124.5	499.8	1837	299035	1	398950	12.9	93.4	0	+∞	Si
92	425078	8	506836	16.9	124.5	572.2	1837	379763	1	464327	15.5	93.4	0	+∞	Si
104	460606	9	532471	18.6	124.5	603.5	1837	416255	2	491391	17.2	93.4	0	+∞	Si
127	519958	9	571931	20	124.5	648.2	1837	478080	2	534270	18.7	93.4	0	+∞	Si
150	563563	9	595644	20.8	124.5	675.1	1837	524906	2	562148	19.7	93.4	0	+∞	Si
173	591420	9	603608	21.1	124.5	684.1	1837	556732	2	575027	20.1	93.4	0	+∞	Si
196	603530	9	603679	22.8	124.5	850.9	1837	573559	2	576348	21.8	93.4	0	+∞	Si
219	599892	9	603679	15.7	124.5	236	1837	575386	2	576348	25.9	93.4	0	+∞	Si
242	580506	9	601885	15.7	124.5	235.3	1837	562213	2	575892	25.8	93.4	0	+∞	Si
253	566913	3	596233	15.5	124.5	233	1837	550002	2	573155	25.7	93.4	0	+∞	Si
276	533489	2	573192	22.7	124.5	916.1	1837	514330	2	556430	22	93.4	0	+∞	Si
299	485216	2	543233	21	124.5	811.6	1837	463658	2	524706	20.3	93.4	0	+∞	Si
322	421943	2	498908	19.3	124.5	745.4	1837	397987	2	477982	18.5	93.4	0	+∞	Si
325	412186	2	492097	19	124.5	735.2	1837	387916	2	470856	18.2	93.4	0	+∞	Si
345	343671	2	343671	13.3	124.5	513.4	1837	317316	2	317316	12.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
23	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.009	2	0.009	2	9999	Si
46	0.01	0.009	0.008	0.007	0.009	0.009	0.008	0.007	0.009	0.009	0.019	2	0.018	2	9999	Si
69	0.014	0.013	0.012	0.011	0.013	0.013	0.011	0.011	0.013	0.013	0.027	2	0.027	2	9999	Si
92	0.018	0.016	0.015	0.014	0.017	0.016	0.014	0.014	0.016	0.016	0.035	2	0.034	2	9938	Si
104	0.019	0.018	0.016	0.015	0.018	0.018	0.015	0.015	0.018	0.018	0.038	2	0.037	2	9070	Si
127	0.022	0.02	0.019	0.017	0.021	0.02	0.018	0.017	0.021	0.02	0.044	2	0.043	2	7919	Si
150	0.024	0.022	0.02	0.019	0.022	0.022	0.019	0.019	0.022	0.022	0.047	2	0.046	2	7276	Si
173	0.025	0.022	0.021	0.019	0.023	0.022	0.02	0.019	0.023	0.022	0.049	2	0.048	2	6979	Si
184	0.025	0.023	0.021	0.019	0.023	0.023	0.02	0.019	0.023	0.023	0.05	2	0.048	2	6940	Si
196	0.024	0.022	0.021	0.019	0.023	0.022	0.02	0.019	0.023	0.022	0.05	2	0.048	2	6971	Si
219	0.023	0.021	0.02	0.018	0.022	0.021	0.019	0.018	0.022	0.021	0.047	2	0.046	2	7272	Si
242	0.021	0.019	0.018	0.017	0.02	0.019	0.017	0.017	0.02	0.019	0.043	2	0.042	2	7988	Si
253	0.019	0.018	0.017	0.015	0.019	0.018	0.016	0.015	0.018	0.018	0.04	2	0.039	2	8571	Si
276	0.016	0.014	0.014	0.013	0.015	0.014	0.013	0.013	0.015	0.014	0.033	2	0.032	2	9999	Si
299	0.011	0.01	0.01	0.009	0.011	0.01	0.009	0.009	0.011	0.01	0.024	2	0.023	2	9999	Si
322	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.012	2	0.012	2	9999	Si
325	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	5379	9426	15005	SLV 3	0.37	749	1.021	65301	1523762	1864772	SLV 13	0.43	1076	1.184	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5294	9426	15005	SLV 3	0.37	765	1.03	65301	1523762	1864772	SLV 13	0.43	1076	1.184	Si
46	4642	9426	15005	SLV 3	0.4	897	1.099	65301	1523762	1864783	SLV 13	0.43	1076	1.184	Si
69	3990	9426	15005	SLV 3	0.42	1046	1.171	166964	1374384	1864925	SLV 13	0.45	1212	1.244	Si
92	3338	9426	13423	SLV 3	0.39	839	1.07	270237	-1202240	-1322099	SLV 3	0.48	1457	1.341	Si
104	3012	9426	13423	SLV 3	0.4	907	1.104	316248	-1116169	-963633	SLV 3	0.42	995	1.147	Si
127	2361	9426	13423	SLV 3	0.42	1058	1.176	397021	-944031	-963633	SLV 3	0.52	1827	1.472	Si
150	1709	9426	13423	SLV 3	0.45	1231	1.252	462795	771901	1865528	SLV 13	0.57	2474	1.666	Si
173	1057	9426	13423	SLV 3	0.47	1421	1.328	513569	599786	1865528	SLV 13	0.57	2474	1.666	Si
196	405	9426	13423	SLV 3	0.49	1630	1.404	549343	427706	1498969	SLV 13	0.57	2474	1.666	Si
219	-247	-9426	-13423	SLV 13	0.5	1684	1.423	570117	255755	962923	SLV 13	0.55	2166	1.578	Si
242	-898	-9426	-13423	SLV 13	0.48	1470	1.346	523665	352022	962923	SLV 3	0.45	1245	1.257	Si
253	-1224	-9426	-13423	SLV 13	0.47	1371	1.308	501981	438052	962923	SLV 3	0.38	806	1.052	Si
276	-1876	-9426	-13338	SLV 13	0.44	1163	1.223	447361	610151	1323083	SLV 3	0.51	1807	1.465	Si
299	-2528	-9426	-13338	SLV 13	0.42	996	1.148	387916	759508	1414576	SLV 3	0.48	1539	1.372	Si
322	-3180	-9426	-13338	SLV 13	0.39	854	1.077	387916	759508	1414576	SLV 3	0.48	1539	1.372	Si
325	-3265	-9426	-13338	SLV 13	0.39	837	1.069	387916	759508	1414576	SLV 3	0.48	1539	1.372	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	5379	3309	15005	SLD 3	0.39	853	2.71	65301	673963	1864772	SLD 13	0.36	692	2.487	Si
23	5294	3309	15005	SLD 3	0.39	872	2.734	65301	673963	1864772	SLD 13	0.36	692	2.487	Si
46	4642	3309	15005	SLD 3	0.42	1027	2.924	65301	673963	1864783	SLD 13	0.36	692	2.487	Si
69	3990	3309	15005	SLD 3	0.45	1210	3.127	166964	607895	1864925	SLD 13	0.38	772	2.601	Si
92	3338	3309	13423	SLD 3	0.41	956	2.839	270237	-531756	-1322099	SLD 3	0.4	916	2.79	Si
104	3012	3309	13423	SLD 3	0.42	1040	2.939	316248	-493688	-963633	SLD 3	0.35	644	2.415	Si
127	2361	3309	13423	SLD 3	0.45	1224	3.142	397021	-417552	-963633	SLD 3	0.44	1143	3.055	Si
150	1709	3309	13423	SLD 3	0.47	1423	3.342	462795	341420	1865528	SLD 13	0.54	2119	3.935	Si
173	1057	3309	13423	SLD 3	0.5	1645	3.547	513569	265295	1865528	SLD 13	0.6	2474	4.193	Si
196	405	3309	13423	SLD 3	0.52	1888	3.753	549343	189185	1498969	SLD 13	0.6	2474	4.193	Si
219	-247	-3309	-13423	SLD 13	0.53	1949	3.802	570117	113132	962923	SLD 13	0.46	1352	3.273	Si
242	-898	-3309	-13423	SLD 13	0.5	1702	3.597	523665	155682	962923	SLD 3	0.38	792	2.628	Si
253	-1224	-3309	-13423	SLD 13	0.49	1586	3.494	501981	193733	962923	SLD 3	0.32	524	2.219	Si
276	-1876	-3309	-13338	SLD 13	0.46	1344	3.265	447361	269852	1323083	SLD 3	0.43	1130	3.041	Si
299	-2528	-3309	-13338	SLD 13	0.44	1151	3.064	397987	325943	1414576	SLD 3	0.42	1016	2.911	Si
322	-3180	-3309	-13338	SLD 13	0.41	973	2.86	397987	325943	1414576	SLD 3	0.42	1016	2.911	Si
325	-3265	-3309	-13338	SLD 13	0.41	954	2.837	387916	335911	1414576	SLD 3	0.41	963	2.848	Si

Campata 2 tra i fili 62 - 62A, sezione R 40x70, asta 1207

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	421312	SLU 29	421312	1414576	0.086						Si
17	7.6	5.4	11.4	5.4	427308	SLU 29	427138	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	426938	SLU 29	426938	1414576	0.086						Si
34	7.6	5.4	11.4	5.4	422320	SLU 29	426938	1413591	0.086						Si
51	7.6	5.4	10.24	5.4	406349	SLU 29	426621	1276318	0.084						Si
69	7.6	5.4	7.6	5.4	379395	SLU 29	418265	962923	0.078						Si
77	7.6	5.4	7.6	5.4	361798	SLU 29	409969	962923	0.078						Si
94	7.6	5.4	7.6	5.4	318368	SLU 29	385139	962923	0.078						Si
112	7.6	5.4	7.6	5.4	263955	SLU 29	349325	962923	0.078						Si
129	7.6	5.4	7.6	5.4	202921	SLU 34	302527	962923	0.078						Si
146	7.6	5.4	7.6	5.4	140746	SLU 35	244746	962923	0.078	90770	SLU 2	-34159	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	70933	SLU 26	182805	962923	0.078	21020	SLU 11	-138505	-962923	0.078	Si
180	11.91	5.4	7.6	5.4	-3895	SLU 8	119872	963421	0.08	-63537	SLU 29	-255453	-1474573	0.088	Si
197	13.53	5.4	7.6	5.4	-73770	SLU 8	47612	963535	0.08	-172868	SLU 29	-383385	-1666595	0.092	Si
206	14.34	5.4	7.6	5.4	-112021	SLU 8	8336	963586	0.08	-231653	SLU 29	-451469	-1762548	0.094	Si
223	15.21	5.4	7.6	5.4						-357461	SLU 29	-471221	-1865528	0.096	Si
237	15.21	5.4	7.6	5.4						-471221	SLU 29	-471221	-1865528	0.096	Si
240	15.21	5.4	7.6	5.4						-494252	SLU 29	-492763	-1865528	0.096	Si
257	15.21	5.4	7.6	5.4						-642026	SLU 29	-553048	-1865528	0.096	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	1198595	SLV 13	1117188	1414576	0.086	-630948	SLV 3	-534288	-963377	0.08	Si
17	7.6	5.4	11.4	5.4	1072918	SLV 13	1060808	1414576	0.086	-486642	SLV 3	-474678	-963377	0.08	Si
20	7.6	5.4	11.4	5.4	1040662	SLV 13	1040662	1414576	0.086	-453377	SLV 3	-453377	-963377	0.08	Si
34	7.6	5.4	11.4	5.4	938967	SLV 15	1040662	1413591	0.086	-350755	SLV 1	-453377	-963378	0.08	Si
51	7.6	5.4	10.24	5.4	796814	SLV 15	1018812	1276318	0.084	-223358	SLV 1	-430663	-963268	0.079	Si
69	7.6	5.4	7.6	5.4	646650	SLV 15	896007	962923	0.078	-104643	SLV 1	-311039	-962923	0.078	Si
77	7.6	5.4	7.6	5.4	568719	SLV 15	824700	962923	0.078	-48698	SLV 1	-247583	-962923	0.078	Si
94	7.6	5.4	7.6	5.4	407950	SLV 15	676070	962923	0.078	55583	SLV 1	-127174	-962923	0.078	Si
112	7.6	5.4	7.6	5.4	242411	SLV 15	519883	962923	0.078	147940	SLV 1	-80773	-962923	0.078	Si
129	7.6	5.4	7.6	5.4	251942	SLV 3	384225	962923	0.078	48534	SLV 13	-274506	-962923	0.078	Si
146	7.6	5.4	7.6	5.4	332893	SLV 3	451690	962923	0.078	-138985	SLV 13	-476807	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	406026	SLV 3	510901	962923	0.078	-335379	SLV 13	-687547	-962923	0.078	Si
180	11.91	5.4	7.6	5.4	470970	SLV 3	561814	963421	0.08	-540277	SLV 13	-906682	-1474573	0.088	Si
197	13.53	5.4	7.6	5.4	527641	SLV 3	604410	963535	0.08	-753594	SLV 13	-1134192	-1666595	0.092	Si
206	14.34	5.4	7.6	5.4	552863	SLV 3	622586	963586	0.08	-863399	SLV 13	-1251085	-1762548	0.094	Si
223	15.21	5.4	7.6	5.4	597068	SLV 3	627370	963633	0.08	-1089292	SLV 13	-1284541	-1865528	0.096	Si
237	15.21	5.4	7.6	5.4	627370	SLV 3	627370	963633	0.08	-1284541	SLV 13	-1284541	-1865528	0.096	Si
240	15.21	5.4	7.6	5.4	632948	SLV 3	632453	963633	0.08	-1323550	SLV 13	-1320905	-1865528	0.096	Si
257	15.21	5.4	7.6	5.4	660495	SLV 3	646679	963633	0.08	-1566169	SLV 13	-1422669	-1865528	0.096	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	688405	SLD 13	656651	1414576	0.086	-120758	SLD 3	-73752	-963377	0.08	Si
17	7.6	5.4	11.4	5.4	638011	SLD 13	632615	1414576	0.086	-51735	SLD 3	-46485	-963377	0.08	Si
20	7.6	5.4	11.4	5.4	624025	SLD 13	624025	1414576	0.086	-36741	SLD 3	-36741	-963377	0.08	Si
34	7.6	5.4	11.4	5.4	579302	SLD 15	624025	1413591	0.086	8910	SLD 1	-36741	-963378	0.08	Si
51	7.6	5.4	10.24	5.4	512310	SLD 15	614602	1276318	0.084	61146	SLD 1	-26453	-963268	0.079	Si
69	7.6	5.4	7.6	5.4	437120	SLD 15	559395	962923	0.078						Si
77	7.6	5.4	7.6	5.4	396520	SLD 15	525666	962923	0.078						Si
94	7.6	5.4	7.6	5.4	309656	SLD 15	452055	962923	0.078						Si
112	7.6	5.4	7.6	5.4	216013	SLD 15	370446	962923	0.078						Si
129	7.6	5.4	7.6	5.4	195245	SLD 3	281403	962923	0.078	105231	SLD 13	-90855	-962923	0.078	Si
146	7.6	5.4	7.6	5.4	201342	SLD 3	201362	962923	0.078	-7434	SLD 13	-217934	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	199322	SLD 3	201362	962923	0.078	-128675	SLD 13	-353401	-962923	0.078	Si
180	11.91	5.4	7.6	5.4	189023	SLD 3	201362	963421	0.08	-258330	SLD 13	-497235	-1474573	0.088	Si
197	13.53	5.4	7.6	5.4	170410	SLD 3	196800	963535	0.08	-396364	SLD 13	-649429	-1666595	0.092	Si
206	14.34	5.4	7.6	5.4	157981	SLD 3	191416	963586	0.08	-468518	SLD 13	-728659	-1762548	0.094	Si
223	15.21	5.4	7.6	5.4	126872	SLD 3	174412	963633	0.08	-619096	SLD 13	-751452	-1865528	0.096	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
237	15.21	5.4	7.6	5.4	94281	SLD 3	153872	963633	0.08	-751452	SLD 13	-751452	-1865528	0.096	Si
240	15.21	5.4	7.6	5.4	87426	SLD 3	87426	963633	0.08	-778028	SLD 13	-776259	-1865528	0.096	Si
257	15.21	5.4	7.6	5.4	39639	SLD 3	39639	963633	0.08	-945314	SLD 13	-845679	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1951	SLU 35	1951	8821	68363	0	8821	1	Si
17	0	7.6	0	1275	SLU 35	1275	8821	68363	0	8821	1	Si
17	0	7.6	0	-167	SLU 2	-167	-8821	-68363	0	-8821	1	Si
20	0.101	7.6	0	1163	SLU 35	1163	8821	68363	11671	11671	1	Si
20	0.101	7.6	0	-246	SLU 2	-246	-8821	-68363	-11671	-11671	1	Si
34	0.101	7.6	0	599	SLU 26	599	8821	68363	11671	11671	1	Si
34	0.101	7.6	0	-647	SLU 11	-647	-8821	-68363	-11671	-11671	1	Si
51	0.101	7.6	0	48	SLU 8	48	8821	68363	11671	11671	1	Si
51	0.101	7.6	0	-1250	SLU 29	-1250	-8821	-68363	-11671	-11671	1	Si
69	0.101	7.6	0	-1890	SLU 29	-1890	-8821	-68363	-11671	-11671	1	Si
77	0.101	7.6	0	-2210	SLU 29	-2210	-8821	-68363	-11671	-11671	1	Si
94	0.13	7.6	0	-2850	SLU 29	-2850	-8821	-68363	-15059	-15059	1	Si
112	0.13	7.6	0	-3490	SLU 29	-3490	-8821	-68363	-15059	-15059	1	Si
129	0.13	7.6	0	-4129	SLU 29	-4129	-8821	-68363	-15059	-15059	1	Si
146	0.13	7.6	0	-4769	SLU 29	-4769	-8821	-68363	-15059	-15059	1	Si
163	0.13	7.6	0	-5409	SLU 29	-5409	-8821	-68363	-15059	-15059	1	Si
180	0.144	7.6	0	-6049	SLU 29	-6049	-8821	-68363	-16673	-16673	1	Si
197	0.144	7.6	0	-6689	SLU 29	-6689	-8821	-68363	-16673	-16673	1	Si
206	0.144	7.6	0	-7009	SLU 29	-7009	-8821	-68363	-16673	-16673	1	Si
223	0.144	7.6	0	-7648	SLU 29	-7648	-8821	-68363	-16673	-16673	1	Si
237	0.144	11.1	0	-8183	SLU 29	-8183	-10007	-68363	-16673	-16673	1	Si
240	0	11.1	0	-8288	SLU 29	-8288	-10007	-68363	0	-10007	1	Si
257	0	12.72	0	-8928	SLU 29	-8928	-10471	-68363	0	-10471	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	8658	SLV 3	10704	8821	68363	0	8821	1	Si
0	0	7.6	0	-7086	SLV 13	-9133	-8821	-68363	0	-8821	1	Si
17	0	7.6	0	8171	SLV 3	10218	8821	68363	0	8821	1	Si
17	0	7.6	0	-7572	SLV 13	-9619	-8821	-68363	0	-8821	1	Si
20	0.101	7.6	0	8091	SLV 3	10138	8821	68363	11671	11671	1	Si
20	0.101	7.6	0	-7653	SLV 13	-9699	-8821	-68363	-11671	-11671	1	Si
34	0.101	7.6	0	7685	SLV 3	9732	8821	68363	11671	11671	1	Si
34	0.101	7.6	0	-8059	SLV 13	-10105	-8821	-68363	-11671	-11671	1	Si
51	0.101	7.6	0	7199	SLV 3	9246	8821	68363	11671	11671	1	Si
51	0.101	7.6	0	-8545	SLV 13	-10591	-8821	-68363	-11671	-11671	1	Si
69	0.101	7.6	0	6713	SLV 3	8759	8821	68363	11671	11671	1	Si
69	0.101	7.6	0	-9031	SLV 13	-11078	-8821	-68363	-11671	-11671	1	Si
77	0.101	7.6	0	6470	SLV 3	8516	8821	68363	11671	11671	1	Si
77	0.101	7.6	0	-9274	SLV 13	-11321	-8821	-68363	-11671	-11671	1	Si
94	0.13	7.6	0	5983	SLV 3	8030	8821	68363	15059	15059	1	Si
94	0.13	7.6	0	-9760	SLV 13	-11807	-8821	-68363	-15059	-15059	1	Si
112	0.13	7.6	0	5497	SLV 3	7544	8821	68363	15059	15059	1	Si
112	0.13	7.6	0	-10246	SLV 13	-12293	-8821	-68363	-15059	-15059	1	Si
129	0.13	7.6	0	5011	SLV 3	7058	8821	68363	15059	15059	1	Si
129	0.13	7.6	0	-10733	SLV 13	-12779	-8821	-68363	-15059	-15059	1	Si
146	0.13	7.6	0	4525	SLV 3	6572	8821	68363	15059	15059	1	Si
146	0.13	7.6	0	-11219	SLV 13	-13266	-8821	-68363	-15059	-15059	1	Si
163	0.13	7.6	0	4039	SLV 3	6085	8821	68363	15059	15059	1	Si
163	0.13	7.6	0	-11705	SLV 13	-13752	-8821	-68363	-15059	-15059	1	Si
180	0.144	7.6	0	3552	SLV 3	5599	8821	68363	16673	16673	1	Si
180	0.144	7.6	0	-12191	SLV 13	-14238	-8821	-68363	-16673	-16673	1	Si
197	0.144	7.6	0	3066	SLV 3	5113	8821	68363	16673	16673	1	Si
197	0.144	7.6	0	-12677	SLV 13	-14724	-8821	-68363	-16673	-16673	1	Si
206	0.144	7.6	0	2823	SLV 3	4870	8821	68363	16673	16673	1	Si
206	0.144	7.6	0	-12921	SLV 13	-14967	-8821	-68363	-16673	-16673	1	Si
223	0.144	7.6	0	2337	SLV 3	4384	8821	68363	16673	16673	1	Si
223	0.144	7.6	0	-13407	SLV 13	-15453	-8821	-68363	-16673	-16673	1	Si
237	0.144	7.6	0	1931	SLV 3	3978	8821	68363	16673	16673	1	Si
237	0.144	11.1	0	-13813	SLV 13	-15859	-10007	-68363	-16673	-16673	1	Si
240	0	7.6	0	1851	SLV 3	3897	8821	68363	0	8821	1	Si
240	0	11.1	0	-13893	SLV 13	-15940	-10007	-68363	0	-10007	1	Si
257	0	7.6	0	1365	SLV 3	3411	8821	68363	0	8821	1	Si
257	0	12.72	0	-14379	SLV 13	-16426	-10471	-68363	0	-10471	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4268	SLD 3	4268	8821	68363	0	8821	1	Si
0	0	7.6	0	-2696	SLD 13	-2696	-8821	-68363	0	-8821	1	Si
17	0	7.6	0	3781	SLD 3	3781	8821	68363	0	8821	1	Si
17	0	7.6	0	-3182	SLD 13	-3182	-8821	-68363	0	-8821	1	Si
20	0.101	7.6	0	3701	SLD 3	3701	8821	68363	11671	11671	1	Si
20	0.101	7.6	0	-3263	SLD 13	-3263	-8821	-68363	-11671	-11671	1	Si
34	0.101	7.6	0	3295	SLD 3	3295	8821	68363	11671	11671	1	Si
34	0.101	7.6	0	-3669	SLD 13	-3669	-8821	-68363	-11671	-11671	1	Si
51	0.101	7.6	0	2809	SLD 3	2809	8821	68363	11671	11671	1	Si
51	0.101	7.6	0	-4155	SLD 13	-4155	-8821	-68363	-11671	-11671	1	Si
69	0.101	7.6	0	2323	SLD 3	2323	8821	68363	11671	11671	1	Si
69	0.101	7.6	0	-4641	SLD 13	-4641	-8821	-68363	-11671	-11671	1	Si
77	0.101	7.6	0	2080	SLD 3	2080	8821	68363	11671	11671	1	Si
77	0.101	7.6	0	-4884	SLD 13	-4884	-8821	-68363	-11671	-11671	1	Si
94	0.13	7.6	0	1593	SLD 3	1593	8821	68363	15059	15059	1	Si
94	0.13	7.6	0	-5370	SLD 13	-5370	-8821	-68363	-15059	-15059	1	Si
112	0.13	7.6	0	1107	SLD 3	1107	8821	68363	15059	15059	1	Si
112	0.13	7.6	0	-5856	SLD 13	-5856	-8821	-68363	-15059	-15059	1	Si
129	0.13	7.6	0	621	SLD 3	621	8821	68363	15059	15059	1	Si
129	0.13	7.6	0	-6343	SLD 13	-6343	-8821	-68363	-15059	-15059	1	Si
146	0.13	7.6	0	135	SLD 3	135	8821	68363	15059	15059	1	Si
146	0.13	7.6	0	-6829	SLD 13	-6829	-8821	-68363	-15059	-15059	1	Si
163	0.13	7.6	0	-7315	SLD 13	-7315	-8821	-68363	-15059	-15059	1	Si
180	0.144	7.6	0	-7801	SLD 13	-7801	-8821	-68363	-16673	-16673	1	Si
197	0.144	7.6	0	-8287	SLD 13	-8287	-8821	-68363	-16673	-16673	1	Si
206	0.144	7.6	0	-8531	SLD 13	-8531	-8821	-68363	-16673	-16673	1	Si
223	0.144	7.6	0	-9017	SLD 13	-9017	-8821	-68363	-16673	-16673	1	Si
237	0.144	11.1	0	-9423	SLD 13	-9423	-10007	-68363	-16673	-16673	1	Si
240	0	11.1	0	-9503	SLD 13	-9503	-10007	-68363	0	-10007	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
257	0	12.72	0	-9989	SLD 13	-9989	-10471	-68363	0	-10471	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	311136	2	311136	12	124.5	464.8	1837	283823	2	283823	11	93.4	0	+∞	Si
17	316945	2	316831	12.2	124.5	473.3	1837	293138	2	293065	11.3	93.4	0	+∞	Si
20	316871	2	316871	12.2	124.5	473.4	1837	293642	2	294665	11.4	93.4	0	+∞	Si
34	314408	2	316871	12.2	124.5	473.7	1837	294106	2	294665	11.4	93.4	0	+∞	Si
51	303525	2	316807	12.7	124.5	525.1	1837	286728	2	294665	11.8	93.4	0	+∞	Si
69	284295	2	311711	8.1	124.5	121.8	1837	271003	2	292484	13.1	93.4	0	+∞	Si
77	271550	2	306033	8	124.5	119.6	1837	260011	2	288558	12.9	93.4	0	+∞	Si
94	239801	2	288418	7.5	124.5	112.7	1837	231766	2	274448	12.3	93.4	0	+∞	Si
112	199705	2	262456	6.8	124.5	102.6	1837	195175	2	251991	11.3	93.4	0	+∞	Si
129	154171	7	228147	5.9	124.5	89.2	1837	150238	2	221187	9.9	93.4	0	+∞	Si
146	106853	8	185492	4.8	124.5	72.5	1837	100675	1	182037	8.2	93.4	0	+∞	Si
163	52639	8	139040	3.6	124.5	54.3	1837	44302	1	134616	6	93.4	0	+∞	Si
180	-44144	2	-187860	7.1	124.5	269.2	1837	-34653	2	-172434	6.6	93.4	0	+∞	Si
197	-125973	2	-283823	10.3	124.5	359.8	1837	-112977	2	-264891	9.6	93.4	0	+∞	Si
206	-170017	2	-334934	11.9	124.5	401.6	1837	-155268	2	-314250	11.2	93.4	0	+∞	Si
223	-264365	2	-349766	12.2	124.5	396.4	1837	-246112	2	-328586	11.5	93.4	0	+∞	Si
237	-349766	2	-349766	12.2	124.5	396.4	1837	-328586	2	-328586	11.5	93.4	0	+∞	Si
240	-367060	2	-365944	12.8	124.5	414.8	1837	-345301	2	-344226	12	93.4	0	+∞	Si
257	-478101	2	-411217	14.4	124.5	466.1	1837	-452837	2	-387995	13.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
20	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
34	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
51	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
69	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
77	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
86	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
94	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
112	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
129	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
146	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
163	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
180	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	1	0.003	1	9999	Si
197	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
206	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
223	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
237	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
240	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	219	9919	11671	SLV 3	0.42	1013	1.156	293642	747020	1414576	SLV 13	0.54	2035	1.538	Si
34	-187	-9919	-11671	SLV 13	0.42	1021	1.159	293642	747020	1413591	SLV 13	0.53	2030	1.537	Si
51	-673	-9919	-11671	SLV 13	0.4	915	1.108	294075	724738	1276318	SLV 15	0.49	1550	1.376	Si
69	-1159	-9919	-11671	SLV 13	0.38	820	1.06	292484	603523	962923	SLV 15	0.4	919	1.11	Si
77	-1402	-9919	-11671	SLV 13	0.38	774	1.035	288558	536141	962923	SLV 15	0.45	1271	1.268	Si
94	-1888	-9919	-15059	SLV 13	0.48	1467	1.345	274448	401622	962923	SLV 15	0.57	2474	1.666	Si
112	-2375	-9919	-15059	SLV 13	0.46	1328	1.291	251991	267892	962923	SLV 15	0.57	2474	1.666	Si
129	-2861	-9919	-15059	SLV 13	0.44	1198	1.238	54859	329366	962923	SLV 3	0.57	2474	1.666	Si
146	-3347	-9919	-15059	SLV 13	0.43	1076	1.184	-12559	-464249	-962923	SLV 13	0.57	2474	1.666	Si
163	-3833	-9919	-15059	SLV 13	0.41	962	1.131	-88323	-599224	-962923	SLV 13	0.52	1890	1.492	Si
180	-4319	-9919	-16673	SLV 13	0.45	1238	1.255	-172434	734248	963421	SLV 3	0.55	2208	1.59	Si
197	-4806	-9919	-16673	SLV 13	0.43	1114	1.201	-264891	869301	963535	SLV 3	0.51	1733	1.44	Si
206	-5049	-9919	-16673	SLV 13	0.42	1054	1.174	-314250	936835	963586	SLV 3	0.49	1577	1.385	Si
223	-5535	-9919	-16673	SLV 13	0.41	944	1.123	-328586	955956	963633	SLV 3	0.48	1539	1.372	Si
237	-5941	-9919	-16673	SLV 13	0.39	862	1.082	-328586	955956	963633	SLV 3	0.48	1539	1.372	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	219	3482	11671	SLD 3	0.44	1172	3.087	293642	330383	1414576	SLD 13	0.45	1272	3.192	Si
34	-187	-3482	-11671	SLD 13	0.44	1180	3.095	293642	330383	1413591	SLD 13	0.45	1269	3.189	Si
51	-673	-3482	-11671	SLD 13	0.42	1051	2.952	294075	320528	1276318	SLD 15	0.41	968	2.854	Si
69	-1159	-3482	-11671	SLD 13	0.41	934	2.812	292484	266911	962923	SLD 15	0.34	598	2.342	Si
77	-1402	-3482	-11671	SLD 13	0.4	882	2.747	288558	237107	962923	SLD 15	0.38	807	2.649	Si
94	-1888	-3482	-15059	SLD 13	0.5	1698	3.593	274448	177607	962923	SLD 15	0.51	1814	3.692	Si
112	-2375	-3482	-15059	SLD 13	0.48	1536	3.449	251991	118455	962923	SLD 15	0.6	2474	4.193	Si
129	-2861	-3482	-15059	SLD 13	0.47	1384	3.304	67182	134180	962923	SLD 3	0.6	2474	4.193	Si
146	-3347	-3482	-15059	SLD 13	0.45	1243	3.162	-12559	-205376	-962923	SLD 13	0.6	2474	4.193	Si
163	-3833	-3482	-15059	SLD 13	0.43	1111	3.02	-88323	-265078	-962923	SLD 13	0.44	1181	3.096	Si
180	-4319	-3482	-16673	SLD 13	0.47	1431	3.35	-172434	324801	963421	SLD 3	0.47	1378	3.299	Si
197	-4806	-3482	-16673	SLD 13	0.45	1287	3.207	-264891	384538	963535	SLD 3	0.43	1083	2.988	Si
206	-5049	-3482	-16673	SLD 13	0.45	1219	3.137	-314250	414409	963586	SLD 3	0.41	984	2.873	Si
223	-5535	-3482	-16673	SLD 13	0.43	1087	2.993	-328586	422866	963633	SLD 3	0.41	962	2.847	Si
237	-5941	-3482	-16673	SLD 13	0.41	983	2.872	-328586	422866	963633	SLD 3	0.41	962	2.847	Si

Campata 3 tra i fili 62A - 62B, sezione R 40x70, asta 1208

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-504188	SLU 29	-488597	-1865528	0.096	Si
14	15.21	5.4	7.6	5.4						-485856	SLU 29	-484555	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-480347	SLU 29	-480347	-1865528	0.096	Si
28	15.21	5.4	7.6	5.4						-474829	SLU 29	-480347	-1865528	0.096	Si
42	15.21	5.4	7.6	5.4						-471107	SLU 29	-486829	-1865528	0.096	Si
56	15.21	5.4	7.6	5.4						-474690	SLU 29	-505581	-1865528	0.096	Si
63	15.21	5.4	7.6	5.4						-479221	SLU 29	-517696	-1865528	0.096	Si
77	15.21	5.4	7.6	5.4						-493762	SLU 29	-548670	-1865528	0.096	Si
91	15.21	5.4	7.6	5.4						-515608	SLU 29	-587215	-1865528	0.096	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
105	15.21	5.4	7.6	5.4						-545906	SLU 30	-633065	-1865528	0.096	Si
119	15.21	5.4	7.6	5.4						-583893	SLU 30	-686220	-1865528	0.096	Si
133	15.21	5.4	7.6	5.4						-629185	SLU 30	-746680	-1865528	0.096	Si
140	15.21	5.4	7.6	5.4						-654570	SLU 30	-779650	-1865528	0.096	Si
147	18.75	5.4	7.6	5.4						-681781	SLU 30	-815509	-2285484	0.106	Si
161	20.07	5.4	7.6	5.4						-741683	SLU 30	-895424	-2441285	0.11	Si
168	20.73	5.4	7.6	5.4						-774374	SLU 30	-895424	-2519114	0.112	Si
182	22.05	5.4	7.6	5.4						-848472	SLU 36	-895424	-2674280	0.119	Si
190	22.81	5.4	7.6	5.4						-895424	SLU 36	-895424	-2762053	0.125	Si
196	22.81	5.4	7.6	5.4						-932085	SLU 36	-926083	-2762053	0.125	Si
210	22.81	5.4	7.6	5.4						-1023418	SLU 36	-955541	-2762053	0.125	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	352028	SLV 13	267206	963633	0.08	-1056218	SLV 3	-947940	-1865528	0.096	Si
14	15.21	5.4	7.6	5.4	243462	SLV 13	217777	963633	0.08	-920127	SLV 3	-894173	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	191550	SLV 15	191550	963633	0.08	-859987	SLV 1	-859987	-1865528	0.096	Si
28	15.21	5.4	7.6	5.4	129742	SLV 15	191550	963633	0.08	-789984	SLV 1	-859987	-1865528	0.096	Si
42	15.21	5.4	7.6	5.4	11462	SLV 15	191550	963633	0.08	-666384	SLV 1	-859987	-1865528	0.096	Si
56	15.21	5.4	7.6	5.4	-109767	SLV 15	138528	963633	0.08	-550938	SLV 1	-799813	-1865528	0.096	Si
63	15.21	5.4	7.6	5.4	-170743	SLV 15	80066	963633	0.08	-497016	SLV 1	-736879	-1865528	0.096	Si
77	15.21	5.4	7.6	5.4						-404417	SLV 1	-619331	-1865528	0.096	Si
91	15.21	5.4	7.6	5.4						-467638	SLV 13	-769120	-1865528	0.096	Si
105	15.21	5.4	7.6	5.4	-160324	SLV 3	28438	963633	0.08	-608049	SLV 13	-925146	-1865528	0.096	Si
119	15.21	5.4	7.6	5.4	-66773	SLV 3	111490	963633	0.08	-757344	SLV 13	-1086994	-1865528	0.096	Si
133	15.21	5.4	7.6	5.4	21957	SLV 3	189126	963633	0.08	-912920	SLV 13	-1254529	-1865528	0.096	Si
140	15.21	5.4	7.6	5.4	64359	SLV 3	225894	963633	0.08	-992908	SLV 13	-1340410	-1865528	0.096	Si
147	18.75	5.4	7.6	5.4	105420	SLV 3	261289	963787	0.081	-1074331	SLV 13	-1427694	-2285484	0.106	Si
161	20.07	5.4	7.6	5.4	183473	SLV 3	327637	963831	0.081	-1241434	SLV 13	-1605547	-2441285	0.11	Si
168	20.73	5.4	7.6	5.4	220451	SLV 3	327637	963852	0.081	-1327101	SLV 13	-1605547	-2519114	0.112	Si
182	22.05	5.4	7.6	5.4	290287	SLV 3	327637	963889	0.081	-1502641	SLV 13	-1605547	-2674280	0.119	Si
190	22.81	5.4	7.6	5.4	327637	SLV 3	327637	963910	0.081	-1605547	SLV 13	-1605547	-2762053	0.125	Si
196	22.81	5.4	7.6	5.4	354614	SLV 3	350977	963910	0.081	-1683774	SLV 13	-1671727	-2762053	0.125	Si
210	22.81	5.4	7.6	5.4	413419	SLV 3	373402	963910	0.081	-1870487	SLV 13	-1735312	-2762053	0.125	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-663423	SLD 3	-608985	-1865528	0.096	Si
14	15.21	5.4	7.6	5.4						-595551	SLD 3	-584073	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-566655	SLD 1	-566655	-1865528	0.096	Si
28	15.21	5.4	7.6	5.4						-533404	SLD 1	-566655	-1865528	0.096	Si
42	15.21	5.4	7.6	5.4						-477244	SLD 1	-566655	-1865528	0.096	Si
56	15.21	5.4	7.6	5.4						-427781	SLD 1	-538043	-1865528	0.096	Si
63	15.21	5.4	7.6	5.4						-405884	SLD 1	-508956	-1865528	0.096	Si
77	15.21	5.4	7.6	5.4						-371087	SLD 1	-489375	-1865528	0.096	Si
91	15.21	5.4	7.6	5.4						-408640	SLD 13	-571425	-1865528	0.096	Si
105	15.21	5.4	7.6	5.4						-483255	SLD 13	-659321	-1865528	0.096	Si
119	15.21	5.4	7.6	5.4						-564850	SLD 13	-752884	-1865528	0.096	Si
133	15.21	5.4	7.6	5.4						-652310	SLD 13	-852057	-1865528	0.096	Si
140	15.21	5.4	7.6	5.4						-698173	SLD 13	-903739	-1865528	0.096	Si
147	18.75	5.4	7.6	5.4						-745444	SLD 13	-956815	-2285484	0.106	Si
161	20.07	5.4	7.6	5.4						-844190	SLD 13	-1066576	-2441285	0.11	Si
168	20.73	5.4	7.6	5.4						-895659	SLD 13	-1066576	-2519114	0.112	Si
182	22.05	5.4	7.6	5.4						-1002779	SLD 13	-1066576	-2674280	0.119	Si
190	22.81	5.4	7.6	5.4						-1066576	SLD 13	-1066576	-2762053	0.125	Si
196	22.81	5.4	7.6	5.4						-1115468	SLD 13	-1107794	-2762053	0.125	Si
210	22.81	5.4	7.6	5.4						-1233721	SLD 13	-1147395	-2762053	0.125	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	1582	SLU 34	1582	11113	68363	0	11113	1	Si
14	0	15.21	0	1049	SLU 29	1049	11113	68363	0	11113	1	Si
20	0.136	15.21	0	830	SLU 20	830	11113	68363	15790	15790	1	Si
28	0.136	15.21	0	544	SLU 20	544	11113	68363	15790	15790	1	Si
42	0.136	15.21	0	45	SLU 20	45	11113	68363	15790	15790	1	Si
42	0.136	15.21	0	-278	SLU 13	-278	-11113	-68363	-15790	-15790	1	Si
56	0.136	15.21	0	-792	SLU 31	-792	-11113	-68363	-15790	-15790	1	Si
63	0.136	15.21	0	-1053	SLU 31	-1053	-11113	-68363	-15790	-15790	1	Si
77	0.136	15.21	0	-1600	SLU 35	-1600	-11113	-68363	-15790	-15790	1	Si
91	0.136	15.21	0	-2152	SLU 35	-2152	-11113	-68363	-15790	-15790	1	Si
105	0.136	15.21	0	-2703	SLU 35	-2703	-11113	-68363	-15790	-15790	1	Si
119	0.136	15.21	0	-3254	SLU 35	-3254	-11113	-68363	-15790	-15790	1	Si
133	0.136	15.21	0	-3806	SLU 35	-3806	-11113	-68363	-15790	-15790	1	Si
147	0.136	15.21	0	-4357	SLU 35	-4357	-11113	-68363	-15790	-15790	1	Si
161	0.136	15.21	0	-4909	SLU 35	-4909	-11113	-68363	-15790	-15790	1	Si
168	0.136	15.21	0	-5185	SLU 35	-5185	-11113	-68363	-15790	-15790	1	Si
182	0.136	15.21	0	-5736	SLU 35	-5736	-11113	-68363	-15790	-15790	1	Si
190	0.136	15.21	0	-6051	SLU 35	-6051	-11113	-68363	-15790	-15790	1	Si
196	0	15.21	0	-6287	SLU 35	-6287	-11113	-68363	0	-11113	1	Si
203	0	15.21	0	-6563	SLU 35	-6563	-11113	-68363	0	-11113	1	Si
210	0	18.75	0	-6839	SLU 35	-6839	-11918	-68363	0	-11918	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	9958	SLV 3	12240	11113	68363	0	11113	1	Si
0	0	7.6	0	-7595	SLV 13	-9877	-8821	-68363	0	-8821	1	Si
14	0	15.21	0	9561	SLV 3	11843	11113	68363	0	11113	1	Si
14	0	7.6	0	-7992	SLV 13	-10274	-8821	-68363	0	-8821	1	Si
20	0.136	15.21	0	9391	SLV 3	11673	11113	68363	15790	15790	1	Si
20	0.136	7.6	0	-8162	SLV 13	-10443	-8821	-68363	-15790	-15790	1	Si
28	0.136	15.21	0	9165	SLV 3	11447	11113	68363	15790	15790	1	Si
28	0.136	7.6	0	-8388	SLV 13	-10670	-8821	-68363	-15790	-15790	1	Si
42	0.136	15.21	0	8768	SLV 3	11050	11113	68363	15790	15790	1	Si
42	0.136	15.21	0	-8785	SLV 13	-11067	-11113	-68363	-15790	-15790	1	Si
56	0.136	15.21	0	8372	SLV 3	10654	11113	68363	15790	15790	1	Si
56	0.136	15.21	0	-9181	SLV 13	-11463	-11113	-68363	-15790	-15790	1	Si
63	0.136	15.21	0	8173	SLV 3	10455	11113	68363	15790	15790	1	Si
63	0.136	15.21	0	-9379	SLV 13	-11661	-11113	-68363	-15790	-15790	1	Si
77	0.136	15.21	0	7777	SLV 3	10059	11113	68363	15790	15790	1	Si
77	0.136	15.21	0	-9776	SLV 13	-12058	-11113	-68363	-15790	-15790	1	Si
91	0.136	15.21	0	7380	SLV 3	9662	11113	68363	15790	15790	1	Si
91	0.136	15.21	0	-10173	SLV 13	-12454	-11113	-68363	-15790	-15790	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
105	0.136	15.21	0	6984	SLV 3	9266	11113	68363	15790	15790	1	Si
105	0.136	15.21	0	-10569	SLV 13	-12851	-11113	-68363	-15790	-15790	1	Si
119	0.136	15.21	0	6587	SLV 3	8869	11113	68363	15790	15790	1	Si
119	0.136	15.21	0	-10966	SLV 13	-13247	-11113	-68363	-15790	-15790	1	Si
133	0.136	7.6	0	6191	SLV 3	8473	8821	68363	15790	15790	1	Si
133	0.136	15.21	0	-11362	SLV 13	-13644	-11113	-68363	-15790	-15790	1	Si
147	0.136	7.6	0	5794	SLV 3	8076	8821	68363	15790	15790	1	Si
147	0.136	15.21	0	-11759	SLV 13	-14040	-11113	-68363	-15790	-15790	1	Si
161	0.136	7.6	0	5398	SLV 3	7680	8821	68363	15790	15790	1	Si
161	0.136	15.21	0	-12155	SLV 13	-14437	-11113	-68363	-15790	-15790	1	Si
168	0.136	7.6	0	5200	SLV 3	7481	8821	68363	15790	15790	1	Si
168	0.136	15.21	0	-12353	SLV 13	-14635	-11113	-68363	-15790	-15790	1	Si
182	0.136	7.6	0	4803	SLV 3	7085	8821	68363	15790	15790	1	Si
182	0.136	15.21	0	-12750	SLV 13	-15032	-11113	-68363	-15790	-15790	1	Si
190	0.136	7.6	0	4576	SLV 3	6858	8821	68363	15790	15790	1	Si
190	0.136	15.21	0	-12976	SLV 13	-15258	-11113	-68363	-15790	-15790	1	Si
196	0	7.6	0	4407	SLV 3	6688	8821	68363	0	8821	1	Si
196	0	15.21	0	-13146	SLV 13	-15428	-11113	-68363	0	-11113	1	Si
203	0	7.6	0	4208	SLV 3	6490	8821	68363	0	8821	1	Si
203	0	15.21	0	-13345	SLV 13	-15627	-11113	-68363	0	-11113	1	Si
210	0	7.6	0	4010	SLV 3	6292	8821	68363	0	8821	1	Si
210	0	18.75	0	-13543	SLV 13	-15825	-11918	-68363	0	-11918	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	5063	SLD 3	5063	11113	68363	0	11113	1	Si
0	0	15.21	0	-2701	SLD 13	-2701	-11113	-68363	0	-11113	1	Si
14	0	15.21	0	4667	SLD 3	4667	11113	68363	0	11113	1	Si
14	0	15.21	0	-3097	SLD 13	-3097	-11113	-68363	0	-11113	1	Si
20	0.136	15.21	0	4497	SLD 3	4497	11113	68363	15790	15790	1	Si
20	0.136	15.21	0	-3267	SLD 13	-3267	-11113	-68363	-15790	-15790	1	Si
28	0.136	15.21	0	4270	SLD 3	4270	11113	68363	15790	15790	1	Si
28	0.136	15.21	0	-3494	SLD 13	-3494	-11113	-68363	-15790	-15790	1	Si
42	0.136	15.21	0	3874	SLD 3	3874	11113	68363	15790	15790	1	Si
42	0.136	15.21	0	-3890	SLD 13	-3890	-11113	-68363	-15790	-15790	1	Si
56	0.136	15.21	0	3477	SLD 3	3477	11113	68363	15790	15790	1	Si
56	0.136	15.21	0	-4287	SLD 13	-4287	-11113	-68363	-15790	-15790	1	Si
63	0.136	15.21	0	3279	SLD 3	3279	11113	68363	15790	15790	1	Si
63	0.136	15.21	0	-4485	SLD 13	-4485	-11113	-68363	-15790	-15790	1	Si
77	0.136	15.21	0	2882	SLD 3	2882	11113	68363	15790	15790	1	Si
77	0.136	15.21	0	-4881	SLD 13	-4881	-11113	-68363	-15790	-15790	1	Si
91	0.136	15.21	0	2486	SLD 3	2486	11113	68363	15790	15790	1	Si
91	0.136	15.21	0	-5278	SLD 13	-5278	-11113	-68363	-15790	-15790	1	Si
105	0.136	15.21	0	2089	SLD 3	2089	11113	68363	15790	15790	1	Si
105	0.136	15.21	0	-5674	SLD 13	-5674	-11113	-68363	-15790	-15790	1	Si
119	0.136	15.21	0	1693	SLD 3	1693	11113	68363	15790	15790	1	Si
119	0.136	15.21	0	-6071	SLD 13	-6071	-11113	-68363	-15790	-15790	1	Si
133	0.136	15.21	0	1296	SLD 3	1296	11113	68363	15790	15790	1	Si
133	0.136	15.21	0	-6468	SLD 13	-6468	-11113	-68363	-15790	-15790	1	Si
147	0.136	15.21	0	900	SLD 3	900	11113	68363	15790	15790	1	Si
147	0.136	15.21	0	-6864	SLD 13	-6864	-11113	-68363	-15790	-15790	1	Si
161	0.136	15.21	0	503	SLD 3	503	11113	68363	15790	15790	1	Si
161	0.136	15.21	0	-7261	SLD 13	-7261	-11113	-68363	-15790	-15790	1	Si
168	0.136	15.21	0	305	SLD 3	305	11113	68363	15790	15790	1	Si
168	0.136	15.21	0	-7459	SLD 13	-7459	-11113	-68363	-15790	-15790	1	Si
182	0.136	15.21	0	-7855	SLD 13	-7855	-11113	-68363	-15790	-15790	1	Si
190	0.136	15.21	0	-8082	SLD 13	-8082	-11113	-68363	-15790	-15790	1	Si
196	0	15.21	0	-8252	SLD 13	-8252	-11113	-68363	0	-11113	1	Si
203	0	15.21	0	-8450	SLD 13	-8450	-11113	-68363	0	-11113	1	Si
210	0	18.75	0	-8648	SLD 13	-8648	-11918	-68363	0	-11918	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-373972	2	-362094	12.7	124.5	410.4	1837	-352095	2	-340367	11.9	93.4	0	+∞	Si
14	-359999	2	-359008	12.6	124.5	406.9	1837	-338332	2	-337354	11.8	93.4	0	+∞	Si
20	-355795	2	-355795	12.4	124.5	403.2	1837	-334219	2	-334219	11.7	93.4	0	+∞	Si
28	-351578	2	-355795	12.4	124.5	403.2	1837	-330121	2	-334219	11.7	93.4	0	+∞	Si
42	-348707	2	-360568	12.6	124.5	408.7	1837	-327461	2	-339758	11.9	93.4	0	+∞	Si
56	-351388	2	-374775	13.1	124.5	424.8	1837	-330352	2	-354176	12.4	93.4	0	+∞	Si
63	-354810	2	-383961	13.4	124.5	435.2	1837	-333879	2	-363466	12.7	93.4	0	+∞	Si
77	-365818	2	-407338	14.2	124.5	461.7	1837	-345097	2	-386211	13.5	93.4	0	+∞	Si
91	-382377	2	-436444	15.3	124.5	494.7	1837	-361867	2	-414507	14.5	93.4	0	+∞	Si
105	-405252	3	-471101	16.5	124.5	533.9	1837	-384187	2	-448354	15.7	93.4	0	+∞	Si
119	-433933	3	-511309	17.9	124.5	579.5	1837	-412058	2	-487752	17.1	93.4	0	+∞	Si
133	-468166	3	-557068	19.5	124.5	631.4	1837	-445481	2	-532702	18.6	93.4	0	+∞	Si
147	-507950	3	-609087	19.9	124.5	564.9	1837	-484455	2	-583202	19	93.4	0	+∞	Si
161	-553285	3	-669142	21.4	124.5	581.7	1837	-528980	2	-638955	20.4	93.4	0	+∞	Si
168	-578034	3	-669142	21.2	124.5	564	1837	-553325	2	-638955	20.2	93.4	0	+∞	Si
182	-633855	9	-669142	20.8	124.5	531.9	1837	-606177	2	-638955	19.8	93.4	0	+∞	Si
190	-669142	9	-669142	20.5	124.5	515.1	1837	-638955	2	-638955	19.6	93.4	0	+∞	Si
196	-696700	9	-692187	21.2	124.5	532.9	1837	-664580	2	-660375	20.3	93.4	0	+∞	Si
210	-765373	9	-714329	21.9	124.5	549.9	1837	-728534	2	-680955	20.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
14	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
20	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
28	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	1	-0.006	1	9999	Si
42	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.008	1	-0.009	1	9999	Si
56	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.01	1	-0.011	1	9999	Si
63	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
77	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.012	1	-0.013	1	9999	Si
91	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	1	-0.014	1	9999	Si
105	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.014	1	-0.015	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
112	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.014	1	-0.015	1	9999	Si
119	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.014	1	-0.015	1	9999	Si
133	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	1	-0.014	1	9999	Si
147	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.012	1	-0.013	1	9999	Si
161	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
168	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.01	1	-0.01	1	9999	Si
182	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.008	1	9999	Si
190	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	1	-0.006	1	9999	Si
196	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	615	11058	15790	SLV 3	0.49	1602	1.394	-334219	525769	963633	SLV 15	0.57	2474	1.666	Si
28	388	11058	15790	SLV 3	0.5	1667	1.417	-334219	525769	963633	SLV 15	0.57	2474	1.666	Si
42	-8	-11058	-15790	SLV 13	0.51	1780	1.456	-334219	525769	963633	SLV 15	0.57	2474	1.666	Si
56	-405	-11058	-15790	SLV 13	0.5	1662	1.416	-330643	469171	963633	SLV 15	0.57	2474	1.666	Si
63	-603	-11058	-15790	SLV 13	0.49	1606	1.396	-328407	408473	963633	SLV 15	0.57	2474	1.666	Si
77	-1000	-11058	-15790	SLV 13	0.48	1496	1.356	-328098	288398	963633	SLV 15	0.57	2474	1.666	Si
91	-1396	-11058	-15790	SLV 13	0.47	1392	1.316	-414507	354613	963633	SLV 3	0.57	2474	1.666	Si
105	-1793	-11058	-15790	SLV 13	0.46	1293	1.277	-448354	476792	963633	SLV 3	0.57	2474	1.666	Si
119	-2189	-11058	-15790	SLV 13	0.44	1198	1.238	-487752	-599242	-1865528	SLV 13	0.57	2474	1.666	Si
133	-2586	-11058	-15790	SLV 13	0.43	1108	1.199	-532702	-721827	-1865528	SLV 13	0.57	2474	1.666	Si
147	-2982	-11058	-15790	SLV 13	0.42	1022	1.16	-583202	844492	963787	SLV 3	0.57	2474	1.666	Si
161	-3379	-11058	-15790	SLV 13	0.41	943	1.122	-638955	966592	963831	SLV 3	0.57	2474	1.666	Si
168	-3577	-11058	-15790	SLV 13	0.4	907	1.104	-638955	966592	963852	SLV 3	0.57	2474	1.666	Si
182	-3973	-11058	-15790	SLV 13	0.39	836	1.068	-638955	966592	963889	SLV 3	0.57	2474	1.666	Si
190	-4200	-11058	-15790	SLV 13	0.38	798	1.048	-638955	966592	963910	SLV 3	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	615	3882	15790	SLD 3	0.52	1855	3.726	-334219	232436	963633	SLD 15	0.6	2474	4.193	Si
28	388	3882	15790	SLD 3	0.53	1931	3.788	-334219	232436	963633	SLD 15	0.6	2474	4.193	Si
42	-8	-3882	-15790	SLD 13	0.54	2060	3.89	-334219	232436	963633	SLD 15	0.6	2474	4.193	Si
56	-405	-3882	-15790	SLD 13	0.52	1925	3.783	-330643	207400	963633	SLD 15	0.6	2474	4.193	Si
63	-603	-3882	-15790	SLD 13	0.52	1859	3.729	-328407	180550	963633	SLD 15	0.6	2474	4.193	Si
77	-1000	-3882	-15790	SLD 13	0.51	1732	3.623	-328098	127431	963633	SLD 15	0.6	2474	4.193	Si
91	-1396	-3882	-15790	SLD 13	0.49	1611	3.517	-414507	156918	963633	SLD 3	0.6	2474	4.193	Si
105	-1793	-3882	-15790	SLD 13	0.48	1494	3.41	-448354	210967	963633	SLD 3	0.6	2474	4.193	Si
119	-2189	-3882	-15790	SLD 13	0.47	1385	3.305	-487752	-265132	-1865528	SLD 13	0.6	2474	4.193	Si
133	-2586	-3882	-15790	SLD 13	0.45	1280	3.2	-532702	-319356	-1865528	SLD 13	0.55	2210	4.003	Si
147	-2982	-3882	-15790	SLD 13	0.44	1181	3.096	-583202	373613	963787	SLD 3	0.55	2163	3.968	Si
161	-3379	-3882	-15790	SLD 13	0.43	1086	2.992	-606177	396602	963831	SLD 3	0.52	1918	3.777	Si
168	-3577	-3882	-15790	SLD 13	0.42	1040	2.939	-606177	396602	963852	SLD 3	0.52	1919	3.778	Si
182	-3973	-3882	-15790	SLD 13	0.41	953	2.836	-606177	396602	963889	SLD 3	0.52	1919	3.778	Si
190	-4200	-3882	-15790	SLD 13	0.4	909	2.781	-638955	427621	963910	SLD 3	0.5	1657	3.558	Si

Campata 4 tra i fili 62B - 63, sezione R 40x70, asta 1209

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-1265996	SLU 36	-1146207	-2762053	0.125	Si
20	22.81	5.4	7.6	5.4						-1035228	SLU 30	-1035228	-2762053	0.125	Si
40	20.92	5.4	7.6	5.4						-825773	SLU 30	-1035228	-2541342	0.113	Si
60	17.37	5.4	7.6	5.4						-631227	SLU 30	-919070	-2121513	0.102	Si
80	11.65	5.4	7.6	5.4						-451589	SLU 30	-717763	-1443808	0.087	Si
90	10.71	5.4	7.6	5.4						-367361	SLU 30	-622700	-1331855	0.085	Si
100	7.6	5.4	7.6	5.4						-286860	SLU 30	-531365	-962923	0.078	Si
110	7.6	5.4	7.6	5.4	-107699	SLU 6	42281	962923	0.078	-210086	SLU 30	-443756	-962923	0.078	Si
130	7.6	5.4	7.6	5.4	-6155	SLU 8	156556	962923	0.078	-68552	SLU 29	-279720	-962923	0.078	Si
150	7.6	5.4	7.6	5.4	106851	SLU 35	255075	962923	0.078	34615	SLU 2	-130593	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	212515	SLU 35	337983	962923	0.078	118220	SLU 2	-7091	-962923	0.078	Si
190	7.6	5.4	13.26	5.4	302423	SLU 35	412855	1634713	0.091						Si
210	7.6	5.4	15.21	5.4	381019	SLU 36	471972	1865528	0.096						Si
230	7.6	5.4	13.33	5.4	447281	SLU 36	515332	1642710	0.091						Si
240	7.6	5.4	15.21	5.4	474503	SLU 36	531104	1865528	0.096						Si
260	7.6	5.4	13.52	5.4	517131	SLU 36	535403	1665933	0.092						Si
273	7.6	5.4	15.21	5.4	535403	SLU 36	535403	1865528	0.096						Si
280	7.6	5.4	15.21	5.4	544003	SLU 36	543468	1865528	0.096						Si
300	7.6	5.4	15.21	5.4	555205	SLU 36	552523	1865528	0.096						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-1475721	SLV 1	-1330773	-2762053	0.125	Si
20	22.81	5.4	7.6	5.4						-1190500	SLV 1	-1190500	-2762053	0.125	Si
40	20.92	5.4	7.6	5.4						-916956	SLV 1	-1190500	-2541342	0.113	Si
60	17.37	5.4	7.6	5.4						-655385	SLV 1	-1039674	-2121513	0.102	Si
80	11.65	5.4	7.6	5.4						-407491	SLV 1	-772617	-1443808	0.087	Si
90	10.71	5.4	7.6	5.4	-199512	SLV 11	80842	963315	0.079	-305661	SLV 5	-643669	-1331855	0.085	Si
110	7.6	5.4	7.6	5.4	-19903	SLV 3	296743	962923	0.078	-259183	SLV 13	-397199	-962923	0.078	Si
130	7.6	5.4	7.6	5.4	200155	SLV 3	502292	962923	0.078	-275812	SLV 13	-322905	-962923	0.078	Si
150	7.6	5.4	7.6	5.4	410515	SLV 3	697008	962923	0.078	-305401	SLV 13	-369784	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	610175	SLV 3	880724	962923	0.078	-346949	SLV 13	-428321	-962923	0.078	Si
190	7.6	5.4	13.26	5.4	798896	SLV 3	1053344	1634713	0.091	-400214	SLV 13	-498419	-963517	0.08	Si
210	7.6	5.4	15.21	5.4	976558	SLV 3	1214804	1865528	0.096	-465079	SLV 13	-580016	-963633	0.08	Si
230	7.6	5.4	13.33	5.4	1143086	SLV 3	1365062	1642710	0.091	-541469	SLV 13	-673068	-963522	0.08	Si
240	7.6	5.4	15.21	5.4	1222158	SLV 3	1435980	1865528	0.096	-583968	SLV 13	-723880	-963633	0.08	Si
260	7.6	5.4	13.52	5.4	1371894	SLV 3	1459512	1665933	0.092	-677553	SLV 13	-742113	-963535	0.08	Si
273	7.6	5.4	15.21	5.4	1459512	SLV 3	1459512	1865528	0.096	-742113	SLV 13	-742113	-963633	0.08	Si
280	7.6	5.4	15.21	5.4	1510396	SLV 3	1502491	1865528	0.096	-782560	SLV 13	-775161	-963633	0.08	Si
300	7.6	5.4	15.21	5.4	1637701	SLV 3	1550748	1865528	0.096	-898908	SLV 13	-812268	-963633	0.08	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-1155204	SLD 1	-1043791	-2762053	0.125	Si
20	22.81	5.4	7.6	5.4						-937606	SLD 1	-937606	-2762053	0.125	Si
40	20.92	5.4	7.6	5.4						-731488	SLD 1	-937606	-2541342	0.113	Si
60	17.37	5.4	7.6	5.4						-536980	SLD 1	-823657	-2121513	0.102	Si
80	11.65	5.4	7.6	5.4						-354817	SLD 1	-623859	-1443808	0.087	Si
90	10.71	5.4	7.6	5.4						-276006	SLD 5	-528353	-1331855	0.085	Si
110	7.6	5.4	7.6	5.4	-86598	SLD 3	133740	962923	0.078	-192488	SLD 13	-347109	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
130	7.6	5.4	7.6	5.4	67454	SLD 3	272170	962923	0.078	-143111	SLD 13	-220037	-962923	0.078	Si
150	7.6	5.4	7.6	5.4	210879	SLD 3	399487	962923	0.078	-105765	SLD 13	-164075	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	343249	SLD 3	515619	962923	0.078	-80023	SLD 13	-121376	-962923	0.078	Si
190	7.6	5.4	13.26	5.4	464461	SLD 3	620525	1634713	0.091	-65779	SLD 13	-90389	-963517	0.08	Si
210	7.6	5.4	15.21	5.4	574462	SLD 3	714177	1865528	0.096	-62984	SLD 13	-79388	-963633	0.08	Si
230	7.6	5.4	13.33	5.4	673220	SLD 3	796555	1642710	0.091	-71603	SLD 13	-104561	-963522	0.08	Si
240	7.6	5.4	15.21	5.4	718376	SLD 3	833512	1865528	0.096	-80186	SLD 13	-121412	-963633	0.08	Si
260	7.6	5.4	13.52	5.4	800230	SLD 3	845393	1665933	0.092	-105888	SLD 13	-127993	-963535	0.08	Si
273	7.6	5.4	15.21	5.4	845393	SLD 3	845393	1865528	0.096	-127993	SLD 13	-127993	-963633	0.08	Si
280	7.6	5.4	15.21	5.4	870796	SLD 3	867161	1865528	0.096	-142961	SLD 13	-139831	-963633	0.08	Si
300	7.6	5.4	15.21	5.4	930126	SLD 3	891602	1865528	0.096	-191333	SLD 13	-153123	-963633	0.08	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.37	0	11979	SLU 36	11979	11617	68363	0	11617	1	Si
10	0	12.59	0	11585	SLU 36	11585	10436	68363	0	10436	1	Si
20	0.144	11.65	0	11191	SLU 36	11191	10169	68363	16673	16673	1	Si
40	0.144	7.6	0	10403	SLU 36	10403	8821	68363	16673	16673	1	Si
60	0.144	7.6	0	9615	SLU 36	9615	8821	68363	16673	16673	1	Si
80	0.144	7.6	0	8828	SLU 36	8828	8821	68363	16673	16673	1	Si
90	0.144	7.6	0	8434	SLU 36	8434	8821	68363	16673	16673	1	Si
110	0.125	7.6	0	7646	SLU 36	7646	8821	68363	14524	14524	1	Si
130	0.125	7.6	0	6858	SLU 36	6858	8821	68363	14524	14524	1	Si
150	0.125	7.6	0	6070	SLU 36	6070	8821	68363	14524	14524	1	Si
170	0.125	7.6	0	5283	SLU 36	5283	8821	68363	14524	14524	1	Si
190	0.125	7.6	0	4509	SLU 30	4509	8821	68363	14524	14524	1	Si
210	0.101	7.6	0	3764	SLU 30	3764	8821	68363	11671	11671	1	Si
230	0.101	7.6	0	3018	SLU 30	3018	8821	68363	11671	11671	1	Si
240	0.101	11.91	0	2646	SLU 30	2646	10245	68363	11671	11671	1	Si
260	0.101	14.61	0	1900	SLU 30	1900	10965	68363	11671	11671	1	Si
273	0.101	15.21	0	1434	SLU 30	1434	11113	68363	11671	11671	1	Si
280	0	14.67	0	1155	SLU 30	1155	10982	68363	0	10982	1	Si
300	0	15.21	0	604	SLU 12	604	11113	68363	0	11113	1	Si
300	0	15.21	0	-435	SLU 24	-435	-11113	-68363	0	-11113	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.37	0	14594	SLV 1	16182	11617	68363	0	11617	1	Si
10	0	12.59	0	14311	SLV 1	15899	10436	68363	0	10436	1	Si
20	0.144	11.65	0	14027	SLV 1	15616	10169	68363	16673	16673	1	Si
40	0.144	7.6	0	13461	SLV 1	15049	8821	68363	16673	16673	1	Si
40	0.144	7.6	0	1242	SLV 15	-346	-8821	-68363	-16673	-16673	1	Si
60	0.144	7.6	0	12894	SLV 1	14483	8821	68363	16673	16673	1	Si
60	0.144	7.6	0	676	SLV 15	-913	-8821	-68363	-16673	-16673	1	Si
80	0.144	7.6	0	12328	SLV 1	13916	8821	68363	16673	16673	1	Si
80	0.144	7.6	0	109	SLV 15	-1479	-8821	-68363	-16673	-16673	1	Si
90	0.144	7.6	0	12045	SLV 1	13633	8821	68363	16673	16673	1	Si
90	0.144	7.6	0	-174	SLV 15	-1762	-8821	-68363	-16673	-16673	1	Si
110	0.125	7.6	0	11478	SLV 1	13067	8821	68363	14524	14524	1	Si
110	0.125	7.6	0	-740	SLV 15	-2329	-8821	-68363	-14524	-14524	1	Si
130	0.125	7.6	0	10912	SLV 1	12500	8821	68363	14524	14524	1	Si
130	0.125	7.6	0	-1307	SLV 15	-2895	-8821	-68363	-14524	-14524	1	Si
150	0.125	7.6	0	10345	SLV 1	11934	8821	68363	14524	14524	1	Si
150	0.125	7.6	0	-1873	SLV 15	-3462	-8821	-68363	-14524	-14524	1	Si
170	0.125	7.6	0	9779	SLV 1	11367	8821	68363	14524	14524	1	Si
170	0.125	7.6	0	-2440	SLV 15	-4028	-8821	-68363	-14524	-14524	1	Si
190	0.125	7.6	0	9212	SLV 1	10801	8821	68363	14524	14524	1	Si
190	0.125	7.6	0	-3006	SLV 15	-4595	-8821	-68363	-14524	-14524	1	Si
210	0.101	7.6	0	8646	SLV 1	10234	8821	68363	11671	11671	1	Si
210	0.101	7.6	0	-3573	SLV 15	-5161	-8821	-68363	-11671	-11671	1	Si
230	0.101	7.6	0	8080	SLV 1	9668	8821	68363	11671	11671	1	Si
230	0.101	7.6	0	-4139	SLV 15	-5727	-8821	-68363	-11671	-11671	1	Si
240	0.101	11.91	0	7796	SLV 1	9385	10245	68363	11671	11671	1	Si
240	0.101	7.6	0	-4422	SLV 15	-6011	-8821	-68363	-11671	-11671	1	Si
260	0.101	14.61	0	7230	SLV 1	8818	10965	68363	11671	11671	1	Si
260	0.101	7.6	0	-4989	SLV 15	-6577	-8821	-68363	-11671	-11671	1	Si
273	0.101	15.21	0	6876	SLV 1	8464	11113	68363	11671	11671	1	Si
273	0.101	7.6	0	-5343	SLV 15	-6931	-8821	-68363	-11671	-11671	1	Si
280	0	14.67	0	6663	SLV 1	8252	10982	68363	0	10982	1	Si
280	0	7.6	0	-5555	SLV 15	-7144	-8821	-68363	0	-8821	1	Si
300	0	15.21	0	6148	SLV 1	7736	11113	68363	0	11113	1	Si
300	0	7.6	0	-6071	SLV 15	-7659	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.37	0	11185	SLD 1	11185	11617	68363	0	11617	1	Si
10	0	12.59	0	10902	SLD 1	10902	10436	68363	0	10436	1	Si
20	0.144	11.65	0	10618	SLD 1	10618	10169	68363	16673	16673	1	Si
40	0.144	7.6	0	10052	SLD 1	10052	8821	68363	16673	16673	1	Si
60	0.144	7.6	0	9486	SLD 1	9486	8821	68363	16673	16673	1	Si
80	0.144	7.6	0	8919	SLD 1	8919	8821	68363	16673	16673	1	Si
90	0.144	7.6	0	8636	SLD 1	8636	8821	68363	16673	16673	1	Si
110	0.125	7.6	0	8069	SLD 1	8069	8821	68363	14524	14524	1	Si
130	0.125	7.6	0	7503	SLD 1	7503	8821	68363	14524	14524	1	Si
150	0.125	7.6	0	6937	SLD 1	6937	8821	68363	14524	14524	1	Si
170	0.125	7.6	0	6370	SLD 1	6370	8821	68363	14524	14524	1	Si
190	0.125	7.6	0	5804	SLD 1	5804	8821	68363	14524	14524	1	Si
210	0.101	7.6	0	5237	SLD 1	5237	8821	68363	11671	11671	1	Si
210	0.101	7.6	0	-164	SLD 15	-164	-8821	-68363	-11671	-11671	1	Si
230	0.101	7.6	0	4671	SLD 1	4671	8821	68363	11671	11671	1	Si
230	0.101	7.6	0	-730	SLD 15	-730	-8821	-68363	-11671	-11671	1	Si
240	0.101	11.91	0	4388	SLD 1	4388	10245	68363	11671	11671	1	Si
240	0.101	7.6	0	-1013	SLD 15	-1013	-8821	-68363	-11671	-11671	1	Si
260	0.101	14.61	0	3821	SLD 1	3821	10965	68363	11671	11671	1	Si
260	0.101	7.6	0	-1580	SLD 15	-1580	-8821	-68363	-11671	-11671	1	Si
273	0.101	15.21	0	3467	SLD 1	3467	11113	68363	11671	11671	1	Si
273	0.101	7.6	0	-1934	SLD 15	-1934	-8821	-68363	-11671	-11671	1	Si
280	0	14.67	0	3255	SLD 1	3255	10982	68363	0	10982	1	Si
280	0	7.6	0	-2146	SLD 15	-2146	-8821	-68363	0	-8821	1	Si
300	0	15.21	0	2739	SLD 1	2739	11113	68363	0	11113	1	Si
300	0	7.6	0	-2662	SLD 15	-2662	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-944450	9	-854791	26.2	124.5	658	1837	-901478	2	-816634	25.1	93.4	0	+∞	Si
20	-771700	3	-771700	23.7	124.5	594.1	1837	-737454	2	-737454	22.6	93.4	0	+∞	Si
40	-614549	3	-771700	24.3	124.5	644.9	1837	-584759	2	-737454	23.2	93.4	0	+∞	Si
60	-468727	3	-684532	22.9	124.5	683.2	1837	-443393	2	-652722	21.8	93.4	0	+∞	Si
80	-334234	3	-533573	20.5	124.5	780.9	1837	-313357	2	-506219	19.4	93.4	0	+∞	Si
90	-271236	3	-462341	18.3	124.5	734	1837	-252586	2	-437215	17.3	93.4	0	+∞	Si
110	-153736	3	-328375	8.6	124.5	128.4	1837	-139543	2	-307705	13.8	93.4	0	+∞	Si
130	-48121	2	-205738	5.4	124.5	80.4	1837	-37829	2	-189524	8.5	93.4	0	+∞	Si
150	78684	8	189352	4.9	124.5	74	1837	63501	1	168023	7.5	93.4	0	+∞	Si
170	157606	8	251083	6.5	124.5	98.1	1837	138063	1	226202	10.1	93.4	0	+∞	Si
190	224634	8	306067	11.2	124.5	395.6	1837	201296	1	277463	10.2	93.4	0	+∞	Si
210	282731	9	349157	12.2	124.5	395.7	1837	255739	2	317394	11.1	93.4	0	+∞	Si
230	331215	9	380353	13.9	124.5	489.2	1837	300809	2	345997	12.7	93.4	0	+∞	Si
240	350997	9	391491	13.7	124.5	443.7	1837	319095	2	356050	12.5	93.4	0	+∞	Si
260	381640	9	394473	14.4	124.5	500.3	1837	347171	2	358700	13.1	93.4	0	+∞	Si
273	394473	9	394473	13.8	124.5	447.1	1837	358700	2	358700	12.5	93.4	0	+∞	Si
280	400389	9	400063	14	124.5	453.4	1837	363918	2	363665	12.7	93.4	0	+∞	Si
300	407308	9	406341	14.2	124.5	460.5	1837	369397	2	369240	12.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
40	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	1	-0.006	1	9999	Si
60	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	1	-0.007	1	9999	Si
80	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
90	-0.001	-0.002	-0.002	-0.003	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.005	1	-0.006	1	9999	Si
110	0	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.003	1	-0.004	1	9999	Si
130	0.001	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	1	-0.002	1	9999	Si
150	0.002	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0	1	9999	Si
170	0.003	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	1	0.002	1	9999	Si
190	0.003	0.002	0.002	0.001	0.003	0.002	0.002	0.001	0.003	0.003	0.004	1	0.004	1	9999	Si
210	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	1	0.005	1	9999	Si
230	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	1	0.005	1	9999	Si
240	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	1	0.005	1	9999	Si
260	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.004	1	9999	Si
273	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	1	0.003	1	9999	Si
280	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	7918	7698	16673	SLV 1	0.41	974	1.137	-737454	453046	963910	SLV 15	0.57	2474	1.666	Si
40	7352	7698	16673	SLV 1	0.44	1150	1.217	-737454	453046	963856	SLV 15	0.57	2474	1.666	Si
60	6785	7698	16673	SLV 1	0.46	1344	1.298	-652722	-386952	-2121513	SLV 1	0.57	2474	1.666	Si
80	6219	7698	16673	SLV 1	0.49	1558	1.379	-506219	-266399	-1443808	SLV 1	0.57	2474	1.666	Si
90	5935	7698	16673	SLV 1	0.5	1674	1.42	-437215	-206454	-1331855	SLV 1	0.57	2474	1.666	Si
110	5369	7698	14524	SLV 1	0.43	1096	1.193	4446	292297	962923	SLV 3	0.57	2474	1.666	Si
130	4802	7698	14524	SLV 1	0.45	1285	1.274	89693	412599	962923	SLV 3	0.57	2474	1.666	Si
150	4236	7698	14524	SLV 1	0.48	1493	1.355	163612	533396	962923	SLV 3	0.53	2028	1.536	Si
170	3670	7698	14524	SLV 1	0.5	1723	1.437	226202	654522	962923	SLV 3	0.41	950	1.126	Si
190	3103	7698	14524	SLV 1	0.53	1974	1.519	277463	-775881	-963517	SLV 13	0.57	2414	1.65	Si
210	2537	7698	11671	SLV 1	0.43	1090	1.191	317394	-897410	-963633	SLV 13	0.51	1781	1.456	Si
230	1970	7698	11671	SLV 1	0.45	1278	1.271	345997	1019065	1642710	SLV 3	0.46	1311	1.284	Si
240	1687	7698	11671	SLV 1	0.47	1379	1.311	356050	-1079930	-963633	SLV 13	0.44	1178	1.229	Si
260	1121	7698	11671	SLV 1	0.49	1597	1.393	358700	1100812	1665933	SLV 3	0.43	1092	1.192	Si
273	767	7698	11671	SLV 1	0.51	1743	1.443	358700	-1100812	-963633	SLV 13	0.43	1125	1.206	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	7918	2700	16673	SLD 1	0.43	1128	3.039	-737454	200152	963910	SLD 15	0.6	2474	4.193	Si
40	7352	2700	16673	SLD 1	0.46	1331	3.252	-737454	200152	963856	SLD 15	0.6	2474	4.193	Si
60	6785	2700	16673	SLD 1	0.49	1557	3.468	-652722	-170934	-2121513	SLD 1	0.6	2474	4.193	Si
80	6219	2700	16673	SLD 1	0.51	1807	3.686	-506219	-117641	-1443808	SLD 1	0.6	2474	4.193	Si
90	5935	2700	16673	SLD 1	0.53	1941	3.796	-437215	-91138	-1331855	SLD 1	0.6	2474	4.193	Si
110	5369	2700	14524	SLD 1	0.45	1269	3.189	4446	129295	962923	SLD 3	0.6	2474	4.193	Si
130	4802	2700	14524	SLD 1	0.48	1488	3.404	89693	182476	962923	SLD 3	0.6	2474	4.193	Si
150	4236	2700	14524	SLD 1	0.51	1732	3.623	163612	235875	962923	SLD 3	0.45	1268	3.188	Si
170	3670	2700	14524	SLD 1	0.53	1998	3.841	226202	289418	962923	SLD 3	0.34	617	2.373	Si
190	3103	2700	14524	SLD 1	0.56	2289	4.061	277463	343063	1634713	SLD 3	0.52	1916	3.776	Si
210	2537	2700	11671	SLD 1	0.45	1262	3.182	317394	-396782	-963633	SLD 13	0.43	1115	3.024	Si
230	1970	2700	11671	SLD 1	0.48	1480	3.397	345997	450558	1642710	SLD 3	0.39	831	2.681	Si
240	1687	2700	11671	SLD 1	0.49	1598	3.505	356050	-477462	-963633	SLD 13	0.37	753	2.575	Si
260	1121	2700	11671	SLD 1	0.52	1852	3.724	358700	486693	1665933	SLD 3	0.36	702	2.502	Si
273	767	2700	11671	SLD 1	0.53	2023	3.861	358700	-486693	-963633	SLD 13	0.37	722	2.531	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 64-66

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5

Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 64 - 65, sezione R 40x70, asta 1115

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4						-253277	SLU 20	-204009	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4	11887	SLU 17	69099	1414397	0.086	-161210	SLU 20	-161210	-1414397	0.086	Si
23	11.4	5.4	11.4	5.4	19375	SLU 17	73427	1414397	0.086	-148086	SLU 20	-161210	-1414397	0.086	Si
46	11.23	5.4	11.4	5.4	64670	SLU 17	105375	1414411	0.086	-61173	SLU 20	-161210	-1393627	0.085	Si
69	10.14	5.4	10.14	5.4	98456	SLU 35	121233	1264082	0.084	2815	SLU 2	-82904	-1265040	0.084	Si
80	9.6	5.4	9.36	5.4	111565	SLU 35	122663	1172166	0.082	25681	SLU 2	-43891	-1200686	0.083	Si
103	7.6	5.4	7.6	5.4	122663	SLU 35	122663	962923	0.078						Si
126	7.6	5.4	7.6	5.4	120598	SLU 36	122663	962923	0.078						Si
149	7.6	5.4	7.6	5.4	112074	SLU 30	121391	962923	0.078						Si
172	7.6	5.4	7.6	5.4	94725	SLU 29	114117	962923	0.078	20425	SLU 8	-56884	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	58339	SLU 29	100551	962923	0.078	-34794	SLU 8	-151904	-962923	0.078	Si
218	7.6	5.4	7.6	5.4	21747	SLU 2	69201	962923	0.078	-124241	SLU 35	-267084	-962923	0.078	Si
241	7.6	5.4	7.6	5.4	-28864	SLU 2	32279	962923	0.078	-234100	SLU 35	-402423	-962923	0.078	Si
253	7.6	5.4	7.6	5.4	-59522	SLU 2	10641	962923	0.078	-296590	SLU 35	-477653	-962923	0.078	Si
276	15.23	5.4	7.6	5.4						-436689	SLU 35	-643232	-1868387	0.096	Si
299	18.48	5.4	7.6	5.4						-596947	SLU 35	-802870	-2253248	0.105	Si
322	19.01	5.4	7.6	5.4						-777365	SLU 35	-802870	-2315301	0.107	Si
325	19.01	5.4	7.6	5.4						-802870	SLU 35	-802870	-2315301	0.107	Si
345	19.01	5.4	7.6	5.4						-977943	SLU 35	-886838	-2315301	0.107	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	1057106	SLV 13	1040934	1414397	0.086	-1375875	SLV 3	-1288086	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4	1019532	SLV 13	1019532	1414397	0.086	-1205335	SLV 3	-1205335	-1414397	0.086	Si
23	11.4	5.4	11.4	5.4	1013353	SLV 13	1019532	1414397	0.086	-1180298	SLV 3	-1205335	-1414397	0.086	Si
46	11.23	5.4	11.4	5.4	955126	SLV 13	1019532	1414411	0.086	-999253	SLV 3	-1205335	-1393627	0.085	Si
69	10.14	5.4	10.14	5.4	882438	SLV 13	971448	1264082	0.084	-832752	SLV 3	-1046074	-1265040	0.084	Si
80	9.6	5.4	9.36	5.4	840677	SLV 13	938819	1172166	0.082	-754962	SLV 3	-959086	-1200686	0.083	Si
92	7.6	5.4	7.6	5.4	795310	SLV 13	902575	962923	0.078	-680817	SLV 3	-875734	-962923	0.078	Si
103	7.6	5.4	7.6	5.4	746342	SLV 13	862720	962923	0.078	-610322	SLV 3	-796022	-962923	0.078	Si
126	7.6	5.4	7.6	5.4	637641	SLV 13	772188	962923	0.078	-480322	SLV 3	-647531	-962923	0.078	Si
149	7.6	5.4	7.6	5.4	514702	SLV 13	667273	962923	0.078	-365090	SLV 3	-513662	-962923	0.078	Si
172	7.6	5.4	7.6	5.4	377891	SLV 13	548080	962923	0.078	-264990	SLV 3	-394520	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	228605	SLV 15	414889	962923	0.078	-181422	SLV 1	-290386	-962923	0.078	Si
218	7.6	5.4	7.6	5.4	72341	SLV 15	268727	962923	0.078	-119881	SLV 1	-202286	-962923	0.078	Si
241	7.6	5.4	7.6	5.4	-23253	SLV 3	113689	962923	0.078	-148015	SLV 13	-384010	-962923	0.078	Si
253	7.6	5.4	7.6	5.4	-10317	SLV 3	38759	962923	0.078	-233693	SLV 13	-488171	-962923	0.078	Si
276	15.23	5.4	7.6	5.4	20877	SLV 3	43565	963634	0.08	-432123	SLV 13	-708585	-1868387	0.096	Si
299	18.48	5.4	7.6	5.4	40956	SLV 3	47329	963776	0.081	-648444	SLV 13	-911728	-2253248	0.105	Si
322	19.01	5.4	7.6	5.4	47329	SLV 3	47329	963795	0.081	-880064	SLV 13	-911728	-2315301	0.107	Si
325	19.01	5.4	7.6	5.4	46775	SLV 3	47329	963795	0.081	-911728	SLV 13	-911728	-2315301	0.107	Si
345	19.01	5.4	7.6	5.4	39511	SLV 3	39511	963795	0.081	-1126499	SLV 13	-1016747	-2315301	0.107	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	378464	SLD 13	378464	1414397	0.086	-697233	SLD 3	-638447	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4	398951	SLD 13	410007	1414397	0.086	-584753	SLD 3	-584753	-1414397	0.086	Si
23	11.4	5.4	11.4	5.4	401480	SLD 13	410007	1414397	0.086	-568426	SLD 3	-584753	-1414397	0.086	Si
46	11.23	5.4	11.4	5.4	410007	SLD 13	410007	1414411	0.086	-454134	SLD 3	-584753	-1393627	0.085	Si
69	10.14	5.4	10.14	5.4	404048	SLD 13	410007	1264082	0.084	-354362	SLD 3	-483339	-1265040	0.084	Si
80	9.6	5.4	9.36	5.4	395640	SLD 13	409455	1172166	0.082	-309925	SLD 3	-429722	-1200686	0.083	Si
103	7.6	5.4	7.6	5.4	367974	SLD 13	400078	962923	0.078	-231954	SLD 3	-333380	-962923	0.078	Si
126	7.6	5.4	7.6	5.4	325865	SLD 13	376229	962923	0.078	-168546	SLD 3	-251572	-962923	0.078	Si
149	7.6	5.4	7.6	5.4	269369	SLD 13	337930	962923	0.078	-119757	SLD 3	-184319	-962923	0.078	Si
172	7.6	5.4	7.6	5.4	198645	SLD 13	285225	962923	0.078	-85745	SLD 3	-131665	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	114307	SLD 15	218239	962923	0.078	-67124	SLD 1	-93736	-962923	0.078	Si
218	7.6	5.4	7.6	5.4	18745	SLD 15	137419	962923	0.078	-66285	SLD 1	-143674	-962923	0.078	Si
241	7.6	5.4	7.6	5.4	-58317	SLD 3	44554	962923	0.078	-112951	SLD 13	-272795	-962923	0.078	Si
253	7.6	5.4	7.6	5.4						-171157	SLD 13	-344256	-962923	0.078	Si
276	15.23	5.4	7.6	5.4						-305562	SLD 13	-498579	-1868387	0.096	Si
299	18.48	5.4	7.6	5.4						-455943	SLD 13	-644157	-2253248	0.105	Si
322	19.01	5.4	7.6	5.4						-621172	SLD 13	-644157	-2315301	0.107	Si
325	19.01	5.4	7.6	5.4						-644157	SLD 13	-644157	-2315301	0.107	Si
345	19.01	5.4	7.6	5.4						-801040	SLD 13	-720118	-2315301	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.14	0	5056	SLU 29	5056	9711	68363	0	9711	1	Si
20	0.086	9.6	0	4334	SLU 29	4334	9535	68363	10004	10004	1	Si
23	0.086	7.6	0	4226	SLU 29	4226	8821	68363	10004	10004	1	Si
46	0.086	7.6	0	3396	SLU 29	3396	8821	68363	10004	10004	1	Si
69	0.086	7.6	0	2587	SLU 20	2587	8821	68363	10004	10004	1	Si
80	0.086	7.6	0	2189	SLU 20	2189	8821	68363	10004	10004	1	Si
103	0.085	7.6	0	1395	SLU 20	1395	8821	68363	9903	9903	1	Si
103	0.085	7.6	0	-138	SLU 17	-138	-8821	-68363	-9903	-9903	1	Si
126	0.085	7.6	0	600	SLU 20	600	8821	68363	9903	9903	1	Si
126	0.085	7.6	0	-840	SLU 17	-840	-8821	-68363	-9903	-9903	1	Si
149	0.085	7.6	0	-1709	SLU 35	-1709	-8821	-68363	-9903	-9903	1	Si
172	0.085	7.6	0	-2585	SLU 35	-2585	-8821	-68363	-9903	-9903	1	Si
195	0.085	7.6	0	-3462	SLU 35	-3462	-8821	-68363	-9903	-9903	1	Si
218	0.085	7.6	0	-4338	SLU 35	-4338	-8821	-68363	-9903	-9903	1	Si
241	0.085	7.6	0	-5215	SLU 35	-5215	-8821	-68363	-9903	-9903	1	Si
253	0.085	7.6	0	-5653	SLU 35	-5653	-8821	-68363	-9903	-9903	1	Si
276	0.115	7.6	0	-6530	SLU 35	-6530	-8821	-68363	-13338	-13338	1	Si
299	0.115	7.6	0	-7406	SLU 35	-7406	-8821	-68363	-13338	-13338	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
322	0.115	7.6	0	-8283	SLU 35	-8283	-8821	-68363	-13338	-13338	1	Si
325	0.115	13.6	0	-8397	SLU 35	-8397	-10708	-68363	-13338	-13338	1	Si
345	0	15.23	0	-9159	SLU 35	-9159	-11119	-68363	0	-11119	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.14	0	8823	SLV 3	10177	9711	68363	0	9711	1	Si
0	0	10.14	0	-1592	SLV 13	-2946	-9708	-68363	0	-9708	1	Si
20	0.086	9.6	0	8275	SLV 3	9629	9535	68363	10004	10004	1	Si
20	0.086	9.36	0	-2140	SLV 13	-3494	-9455	-68363	-10004	-10004	1	Si
23	0.086	7.6	0	8193	SLV 3	9547	8821	68363	10004	10004	1	Si
23	0.086	7.6	0	-2222	SLV 13	-3576	-8821	-68363	-10004	-10004	1	Si
46	0.086	7.6	0	7562	SLV 3	8916	8821	68363	10004	10004	1	Si
46	0.086	7.6	0	-2853	SLV 13	-4207	-8821	-68363	-10004	-10004	1	Si
69	0.086	7.6	0	6932	SLV 3	8286	8821	68363	10004	10004	1	Si
69	0.086	7.6	0	-3483	SLV 13	-4837	-8821	-68363	-10004	-10004	1	Si
80	0.086	7.6	0	6616	SLV 3	7970	8821	68363	10004	10004	1	Si
80	0.086	7.6	0	-3799	SLV 13	-5153	-8821	-68363	-10004	-10004	1	Si
103	0.085	7.6	0	5986	SLV 3	7340	8821	68363	9903	9903	1	Si
103	0.085	7.6	0	-4429	SLV 13	-5783	-8821	-68363	-9903	-9903	1	Si
126	0.085	7.6	0	5355	SLV 3	6709	8821	68363	9903	9903	1	Si
126	0.085	7.6	0	-5060	SLV 13	-6414	-8821	-68363	-9903	-9903	1	Si
149	0.085	7.6	0	4725	SLV 3	6079	8821	68363	9903	9903	1	Si
149	0.085	7.6	0	-5690	SLV 13	-7044	-8821	-68363	-9903	-9903	1	Si
172	0.085	7.6	0	4094	SLV 3	5448	8821	68363	9903	9903	1	Si
172	0.085	7.6	0	-6321	SLV 13	-7675	-8821	-68363	-9903	-9903	1	Si
195	0.085	7.6	0	3464	SLV 3	4818	8821	68363	9903	9903	1	Si
195	0.085	7.6	0	-6952	SLV 13	-8306	-8821	-68363	-9903	-9903	1	Si
218	0.085	7.6	0	2833	SLV 3	4187	8821	68363	9903	9903	1	Si
218	0.085	7.6	0	-7582	SLV 13	-8936	-8821	-68363	-9903	-9903	1	Si
241	0.085	7.6	0	2203	SLV 3	3557	8821	68363	9903	9903	1	Si
241	0.085	7.6	0	-8213	SLV 13	-9567	-8821	-68363	-9903	-9903	1	Si
253	0.085	7.6	0	1887	SLV 3	3241	8821	68363	9903	9903	1	Si
253	0.085	7.6	0	-8528	SLV 13	-9882	-8821	-68363	-9903	-9903	1	Si
276	0.115	7.6	0	1257	SLV 3	2611	8821	68363	13338	13338	1	Si
276	0.115	7.6	0	-9158	SLV 13	-10512	-8821	-68363	-13338	-13338	1	Si
299	0.115	7.6	0	626	SLV 3	1980	8821	68363	13338	13338	1	Si
299	0.115	7.6	0	-9789	SLV 13	-11143	-8821	-68363	-13338	-13338	1	Si
322	0.115	7.6	0	-4	SLV 3	1350	8821	68363	13338	13338	1	Si
322	0.115	7.6	0	-10420	SLV 13	-11774	-8821	-68363	-13338	-13338	1	Si
325	0.115	7.6	0	-87	SLV 3	1267	8821	68363	13338	13338	1	Si
325	0.115	13.6	0	-10502	SLV 13	-11856	-10708	-68363	-13338	-13338	1	Si
333	0	7.6	0	-320	SLV 3	1034	8821	68363	0	8821	1	Si
333	0	13.6	0	-10735	SLV 13	-12089	-10708	-68363	0	-10708	1	Si
345	0	7.6	0	-635	SLV 3	719	8821	68363	0	8821	1	Si
345	0	15.23	0	-11050	SLV 13	-12404	-11119	-68363	0	-11119	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.14	0	5918	SLD 3	5918	9711	68363	0	9711	1	Si
20	0.086	9.6	0	5369	SLD 3	5369	9535	68363	10004	10004	1	Si
23	0.086	7.6	0	5287	SLD 3	5287	8821	68363	10004	10004	1	Si
46	0.086	7.6	0	4657	SLD 3	4657	8821	68363	10004	10004	1	Si
69	0.086	7.6	0	4026	SLD 3	4026	8821	68363	10004	10004	1	Si
69	0.086	7.6	0	-578	SLD 13	-578	-8821	-68363	-10004	-10004	1	Si
80	0.086	7.6	0	3711	SLD 3	3711	8821	68363	10004	10004	1	Si
80	0.086	7.6	0	-893	SLD 13	-893	-8821	-68363	-10004	-10004	1	Si
103	0.085	7.6	0	3080	SLD 3	3080	8821	68363	9903	9903	1	Si
103	0.085	7.6	0	-1524	SLD 13	-1524	-8821	-68363	-9903	-9903	1	Si
126	0.085	7.6	0	2450	SLD 3	2450	8821	68363	9903	9903	1	Si
126	0.085	7.6	0	-2154	SLD 13	-2154	-8821	-68363	-9903	-9903	1	Si
149	0.085	7.6	0	1819	SLD 3	1819	8821	68363	9903	9903	1	Si
149	0.085	7.6	0	-2785	SLD 13	-2785	-8821	-68363	-9903	-9903	1	Si
172	0.085	7.6	0	1189	SLD 3	1189	8821	68363	9903	9903	1	Si
172	0.085	7.6	0	-3415	SLD 13	-3415	-8821	-68363	-9903	-9903	1	Si
195	0.085	7.6	0	558	SLD 3	558	8821	68363	9903	9903	1	Si
195	0.085	7.6	0	-4046	SLD 13	-4046	-8821	-68363	-9903	-9903	1	Si
218	0.085	7.6	0	-4676	SLD 13	-4676	-8821	-68363	-9903	-9903	1	Si
241	0.085	7.6	0	-5307	SLD 13	-5307	-8821	-68363	-9903	-9903	1	Si
253	0.085	7.6	0	-5622	SLD 13	-5622	-8821	-68363	-9903	-9903	1	Si
276	0.115	7.6	0	-6253	SLD 13	-6253	-8821	-68363	-13338	-13338	1	Si
299	0.115	7.6	0	-6883	SLD 13	-6883	-8821	-68363	-13338	-13338	1	Si
322	0.115	7.6	0	-7514	SLD 13	-7514	-8821	-68363	-13338	-13338	1	Si
325	0.115	13.6	0	-7596	SLD 13	-7596	-10708	-68363	-13338	-13338	1	Si
345	0	15.23	0	-8144	SLD 13	-8144	-11119	-68363	0	-11119	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-179972	2	-142326	5.2	124.5	211.9	1837	-159384	2	-123576	4.5	93.4	0	+∞	Si
20	-109813	2	-109813	4	124.5	163.5	1837	-92901	2	-92901	3.4	93.4	0	+∞	Si
23	-99833	2	-109813	4	124.5	163.5	1837	-83473	2	-92901	3.4	93.4	0	+∞	Si
46	34723	8	73393	2.7	124.5	109.3	1837								Si
46	-34196	2	-109813	4	124.5	165.9	1837	-22063	2	-92901	3.4	93.4	0	+∞	Si
69	67702	8	87134	3.4	124.5	145.5	1837	36699	1	66769	2.6	93.4	0	+∞	Si
80	78483	8	88632	3.6	124.5	159.9	1837	51543	1	72447	2.9	93.4	0	+∞	Si
103	88632	8	88963	2.3	124.5	34.8	1837	70353	1	78659	3.5	93.4	0	+∞	Si
126	88224	9	88963	2.3	124.5	34.8	1837	78659	2	78659	3.5	93.4	0	+∞	Si
149	81730	3	88614	2.3	124.5	34.6	1837	74806	2	78659	3.5	93.4	0	+∞	Si
172	67571	2	83423	2.2	124.5	32.6	1837	56450	2	76780	3.4	93.4	0	+∞	Si
195	38941	2	72257	1.9	124.5	28.2	1837	23591	2	62251	2.8	93.4	0	+∞	Si
195	-22979	8	-109351	2.8	124.5	42.7	1837								Si
218	-88933	8	-194542	5.1	124.5	76	1837	-53136	1	-142213	6.4	93.4	0	+∞	Si
241	-170106	8	-294953	7.7	124.5	115.3	1837	-121342	1	-228749	10.3	93.4	0	+∞	Si
253	-216401	8	-350866	9.1	124.5	137.1	1837	-160883	1	-277455	12.4	93.4	0	+∞	Si
276	-320405	8	-474107	16.6	124.5	536.5	1837	-250843	1	-385746	13.5	93.4	0	+∞	Si
299	-439630	8	-593100	19.5	124.5	557.8	1837	-355306	1	-491208	16.1	93.4	0	+∞	Si
322	-574075	8	-593100	19.3	124.5	543.1	1837	-474272	1	-491208	16	93.4	0	+∞	Si
325	-593100	8	-593100	19.3	124.5	543.1	1837	-491208	1	-491208	16	93.4	0	+∞	Si
345	-723740	8	-655726	21.3	124.5	600.5	1837	-607740	1	-546907	17.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
46	0.001	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
69	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0	2	0	2	9999	Si
80	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0	2	0	2	9999	Si
103	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0	2	0	2	9999	Si
126	0.001	0	0	-0.001	0.001	0.001	0	0	0.001	0.001	0	2	-0.001	2	9999	Si
149	0.001	0	0	-0.001	0.001	0	0	-0.001	0.001	0	0	2	-0.002	2	9999	Si
172	0.001	-0.001	0	-0.002	0.001	0	0	-0.001	0.001	0	-0.001	2	-0.003	2	9999	Si
195	0.001	-0.001	0	-0.002	0	-0.001	-0.001	-0.002	0	-0.001	-0.002	2	-0.004	2	9999	Si
218	0	-0.002	-0.001	-0.003	0	-0.001	-0.001	-0.002	0	-0.001	-0.003	2	-0.005	2	9999	Si
241	0	-0.003	-0.001	-0.003	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.004	2	-0.006	2	9999	Si
253	-0.001	-0.003	-0.001	-0.003	-0.001	-0.002	-0.002	-0.003	-0.001	-0.002	-0.004	2	-0.006	2	9999	Si
264	-0.001	-0.003	-0.001	-0.003	-0.001	-0.002	-0.002	-0.003	-0.001	-0.002	-0.004	2	-0.006	2	9999	Si
276	-0.001	-0.003	-0.001	-0.003	-0.001	-0.002	-0.002	-0.003	-0.001	-0.002	-0.005	2	-0.006	2	9999	Si
299	-0.001	-0.003	-0.001	-0.003	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.004	2	-0.006	2	9999	Si
322	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.003	2	-0.004	2	9999	Si
325	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	3067	6562	10004	SLV 3	0.38	815	1.057	-92901	-1112433	-1414397	SLV 3	0.43	1093	1.192	Si
23	2985	6562	10004	SLV 3	0.39	838	1.069	-92901	-1112433	-1414397	SLV 3	0.43	1093	1.192	Si
46	2355	6562	10004	SLV 3	0.42	1039	1.168	-92901	-1112433	-1393627	SLV 3	0.42	1048	1.172	Si
69	1724	6562	10004	SLV 3	0.45	1282	1.273	-37313	-1008761	-1265040	SLV 3	0.44	1165	1.224	Si
80	1409	6562	10004	SLV 3	0.47	1415	1.325	-10134	948952	1172166	SLV 13	0.45	1240	1.255	Si
103	778	6562	9903	SLV 3	0.5	1660	1.415	33349	829371	962923	SLV 13	0.41	940	1.121	Si
126	148	6562	9903	SLV 3	0.53	1985	1.523	62329	709860	962923	SLV 13	0.46	1301	1.28	Si
149	-483	-6562	-9903	SLV 13	0.51	1808	1.465	76806	590468	962923	SLV 13	0.54	2036	1.538	Si
172	-1113	-6562	-9903	SLV 13	0.48	1502	1.358	76780	471300	962923	SLV 13	0.57	2474	1.666	Si
195	-1744	-6562	-9903	SLV 13	0.45	1233	1.253	62251	352638	962923	SLV 13	0.57	2474	1.666	Si
218	-2374	-6562	-9903	SLV 13	0.42	997	1.148	33220	235506	962923	SLV 15	0.57	2474	1.666	Si
241	-3005	-6562	-9903	SLV 13	0.38	804	1.051	-185026	-198984	-962923	SLV 13	0.57	2474	1.666	Si
253	-3320	-6562	-9903	SLV 13	0.36	717	1.003	-230562	-257610	-962923	SLV 13	0.57	2474	1.666	Si
276	-3951	-6562	-13338	SLV 13	0.51	1790	1.459	-332510	376075	963634	SLV 3	0.57	2474	1.666	Si
299	-4581	-6562	-13338	SLV 13	0.48	1487	1.352	-416368	463696	963776	SLV 3	0.57	2474	1.666	Si
322	-5212	-6562	-13338	SLV 13	0.45	1220	1.247	-416368	463696	963795	SLV 3	0.57	2474	1.666	Si
325	-5294	-6562	-13338	SLV 13	0.44	1188	1.234	-432477	479252	963795	SLV 3	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	3067	2302	10004	SLD 3	0.4	930	2.807	-92901	-491852	-1414397	SLD 3	0.36	702	2.502	Si
23	2985	2302	10004	SLD 3	0.41	957	2.841	-92901	-491852	-1414397	SLD 3	0.36	702	2.502	Si
46	2355	2302	10004	SLD 3	0.44	1204	3.121	-92901	-491852	-1393627	SLD 3	0.36	676	2.463	Si
69	1724	2302	10004	SLD 3	0.48	1485	3.401	-37313	-446026	-1265040	SLD 3	0.37	746	2.565	Si
80	1409	2302	10004	SLD 3	0.5	1641	3.543	-10134	419588	1172166	SLD 13	0.38	790	2.626	Si
103	778	2302	9903	SLD 3	0.52	1925	3.783	33349	366729	962923	SLD 13	0.34	610	2.362	Si
126	148	2302	9903	SLD 3	0.56	2302	4.071	62329	313901	962923	SLD 13	0.39	825	2.673	Si
149	-483	-2302	-9903	SLD 13	0.54	2097	3.918	76806	261124	962923	SLD 13	0.45	1272	3.192	Si
172	-1113	-2302	-9903	SLD 13	0.51	1742	3.631	76780	208445	962923	SLD 13	0.56	2321	4.085	Si
195	-1744	-2302	-9903	SLD 13	0.47	1428	3.347	62251	155987	962923	SLD 13	0.6	2474	4.193	Si
218	-2374	-2302	-9903	SLD 13	0.44	1154	3.067	33220	104199	962923	SLD 15	0.6	2474	4.193	Si
241	-3005	-2302	-9903	SLD 13	0.4	917	2.791	-185026	-87770	-962923	SLD 13	0.6	2474	4.193	Si
253	-3320	-2302	-9903	SLD 13	0.38	818	2.664	-230562	-113694	-962923	SLD 13	0.6	2474	4.193	Si
276	-3951	-2302	-13338	SLD 13	0.54	2077	3.903	-332510	166069	963634	SLD 3	0.6	2474	4.193	Si
299	-4581	-2302	-13338	SLD 13	0.5	1725	3.617	-432477	211681	963776	SLD 3	0.6	2474	4.193	Si
322	-5212	-2302	-13338	SLD 13	0.47	1413	3.333	-432477	211681	963795	SLD 3	0.6	2474	4.193	Si
325	-5294	-2302	-13338	SLD 13	0.47	1375	3.296	-432477	211681	963795	SLD 3	0.6	2474	4.193	Si

Campata 2 tra i fili 65 - ?, sezione R 40x70, asta 1116

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-1798717	SLU 35	-1633183	-2315301	0.107	Si
17	19.01	5.4	7.6	5.4						-1522281	SLU 35	-1518864	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-1474956	SLU 35	-1474956	-2315301	0.107	Si
34	19.01	5.4	7.6	5.4						-1256860	SLU 35	-1474956	-2315301	0.107	Si
51	19.01	5.4	7.6	5.4						-1002451	SLU 35	-1444510	-2315301	0.107	Si
68	19.01	5.4	7.6	5.4						-759056	SLU 35	-1182283	-2315301	0.107	Si
77	17.92	5.4	7.6	5.4						-641489	SLU 35	-1055299	-2187418	0.104	Si
94	15.52	5.4	7.6	5.4	-209985	SLU 2	16373	963649	0.08	-414614	SLU 35	-809591	-1902908	0.097	Si
111	13.12	5.4	7.6	5.4	-74705	SLU 2	176849	963508	0.08	-198753	SLU 35	-574897	-1617933	0.091	Si
128	7.6	5.4	7.6	5.4	58802	SLU 29	347733	962923	0.078	70	SLU 8	-351216	-962923	0.078	Si
145	7.6	5.4	7.6	5.4	225213	SLU 30	519173	962923	0.078	144274	SLU 1	-138549	-962923	0.078	Si
162	7.6	5.4	7.6	5.4	398920	SLU 36	679600	962923	0.078						Si
179	7.6	5.4	7.6	5.4	567166	SLU 36	829013	962923	0.078						Si
187	7.6	5.4	7.6	5.4	647159	SLU 36	899589	962923	0.078						Si
196	11.01	5.4	11.71	5.4	724399	SLU 36	967412	1450705	0.086						Si
204	11.81	5.4	12.85	5.4	798885	SLU 36	1032482	1586413	0.088						Si
221	13.41	5.4	15.14	5.4	939597	SLU 36	1083858	1857657	0.091						Si
240	15.21	5.4	15.21	5.4	1083858	SLU 35	1083858	1864772	0.091						Si
255	15.21	5.4	15.21	5.4	1191399	SLU 35	1139648	1864772	0.091						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-2202461	SLV 1	-2054603	-2315301	0.107	Si
17	19.01	5.4	7.6	5.4						-1957832	SLV 1	-1954255	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4	17404	SLV 15	213458	963795	0.081	-1915713	SLV 1	-1915713	-2315301	0.107	Si
34	19.01	5.4	7.6	5.4	114906	SLV 15	299550	963795	0.081	-1721147	SLV 1	-1915713	-2315301	0.107	Si
51	19.01	5.4	7.6	5.4	225827	SLV 15	396982	963795	0.081	-1492412	SLV 1	-1888617	-2315301	0.107	Si
68	19.01	5.4	7.6	5.4	328857	SLV 15	486538	963795	0.081	-1271631	SLV 1	-1654238	-2315301	0.107	Si
77	17.92	5.4	7.6	5.4	377415	SLV 15	528366	963755	0.081	-1164227	SLV 1	-1540029	-2187418	0.104	Si
94	15.52	5.4	7.6	5.4	468624	SLV 15	606132	963649	0.08	-955394	SLV 1	-1317578	-1902908	0.097	Si
111	13.12	5.4	7.6	5.4	551965	SLV 15	676059	963508	0.08	-754540	SLV 1	-1103087	-1617933	0.091	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
119	7.6	5.4	7.6	5.4	590690	SLV 15	708091	962923	0.078	-657110	SLV 1	-998830	-962923	0.078	No
128	7.6	5.4	7.6	5.4	627455	SLV 15	738173	962923	0.078	-561680	SLV 1	-896567	-962923	0.078	Si
145	7.6	5.4	7.6	5.4	695113	SLV 15	792504	962923	0.078	-376835	SLV 1	-698030	-962923	0.078	Si
162	7.6	5.4	7.6	5.4	754966	SLV 15	839090	962923	0.078	-200031	SLV 1	-507493	-962923	0.078	Si
179	7.6	5.4	7.6	5.4	807045	SLV 15	877970	962923	0.078	-31299	SLV 1	-324978	-962923	0.078	Si
196	11.01	5.4	11.71	5.4	851391	SLV 15	909185	1450705	0.086	129320	SLV 1	-150512	-1367714	0.085	Si
204	11.81	5.4	12.85	5.4	870676	SLV 15	921929	1586413	0.088	206575	SLV 1	-66308	-1462702	0.086	Si
221	13.41	5.4	15.14	5.4	903497	SLV 15	930969	1857657	0.091						Si
240	15.21	5.4	15.21	5.4	930969	SLV 15	930969	1864772	0.091						Si
255	15.21	5.4	15.21	5.4	946248	SLV 15	940668	1864772	0.091						Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-1624842	SLD 1	-1497356	-2315301	0.107	Si
17	19.01	5.4	7.6	5.4						-1413086	SLD 1	-1410230	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-1376767	SLD 1	-1376767	-2315301	0.107	Si
34	19.01	5.4	7.6	5.4						-1209262	SLD 1	-1376767	-2315301	0.107	Si
51	19.01	5.4	7.6	5.4						-1013373	SLD 1	-1353402	-2315301	0.107	Si
68	19.01	5.4	7.6	5.4	-117354	SLD 15	96408	963795	0.081	-825420	SLD 1	-1151879	-2315301	0.107	Si
77	17.92	5.4	7.6	5.4	-52390	SLD 15	154618	963755	0.081	-734422	SLD 1	-1054093	-2187418	0.104	Si
94	15.52	5.4	7.6	5.4	71612	SLD 15	265117	963649	0.08	-558382	SLD 1	-864473	-1902908	0.097	Si
111	13.12	5.4	7.6	5.4	187715	SLD 15	367732	963508	0.08	-390290	SLD 1	-682794	-1617933	0.091	Si
128	7.6	5.4	7.6	5.4	295927	SLD 15	462472	962923	0.078	-230152	SLD 1	-509058	-962923	0.078	Si
145	7.6	5.4	7.6	5.4	396256	SLD 15	549350	962923	0.078	-77978	SLD 1	-343273	-962923	0.078	Si
162	7.6	5.4	7.6	5.4	488714	SLD 15	628384	962923	0.078	66221	SLD 1	-185444	-962923	0.078	Si
179	7.6	5.4	7.6	5.4	573316	SLD 15	699592	962923	0.078	202430	SLD 1	-35582	-962923	0.078	Si
187	7.6	5.4	7.6	5.4	612675	SLD 15	732266	962923	0.078						Si
196	11.01	5.4	11.71	5.4	650078	SLD 15	762990	1450705	0.086						Si
204	11.81	5.4	12.85	5.4	685524	SLD 15	791765	1586413	0.088						Si
221	13.41	5.4	15.14	5.4	750561	SLD 15	813846	1857657	0.091						Si
240	15.21	5.4	15.21	5.4	813846	SLD 15	813846	1864772	0.091						Si
255	15.21	5.4	15.21	5.4	857252	SLD 15	837270	1864772	0.091						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	16585	SLU 35	16585	11971	68363	0	11971	1	Si
17	0	16.72	0	15937	SLU 35	15937	11471	68363	0	11471	1	Si
20	0.144	16.72	0	15823	SLU 35	15823	11471	68363	16673	16673	1	Si
34	0.144	14.32	0	15289	SLU 35	15289	10893	68363	16673	16673	1	Si
51	0.144	7.6	0	14641	SLU 35	14641	8821	68363	16673	16673	1	Si
68	0.144	7.6	0	13993	SLU 35	13993	8821	68363	16673	16673	1	Si
77	0.144	7.6	0	13669	SLU 35	13669	8821	68363	16673	16673	1	Si
94	0.113	7.6	0	13022	SLU 35	13022	8821	68363	13130	13130	1	Si
111	0.113	7.6	0	12374	SLU 35	12374	8821	68363	13130	13130	1	Si
128	0.113	7.6	0	11726	SLU 35	11726	8821	68363	13130	13130	1	Si
145	0.113	7.6	0	11078	SLU 35	11078	8821	68363	13130	13130	1	Si
162	0.113	7.6	0	10430	SLU 35	10430	8821	68363	13130	13130	1	Si
179	0.101	7.6	0	9782	SLU 35	9782	8821	68363	11671	11671	1	Si
196	0.101	7.6	0	9135	SLU 35	9135	8821	68363	11671	11671	1	Si
204	0.101	7.6	0	8811	SLU 35	8811	8821	68363	11671	11671	1	Si
221	0.101	7.6	0	8163	SLU 35	8163	8821	68363	11671	11671	1	Si
240	0.101	7.6	0	7439	SLU 35	7439	8821	68363	11671	11671	1	Si
255	0	7.6	0	6867	SLU 35	6867	8821	68363	0	8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	14632	SLV 3	15536	11971	68363	0	11971	1	Si
17	0	16.72	0	14166	SLV 3	15069	11471	68363	0	11471	1	Si
20	0.144	16.72	0	14083	SLV 3	14987	11471	68363	16673	16673	1	Si
34	0.144	14.32	0	13700	SLV 3	14603	10893	68363	16673	16673	1	Si
51	0.144	7.6	0	13233	SLV 3	14137	8821	68363	16673	16673	1	Si
68	0.144	7.6	0	12767	SLV 3	13671	8821	68363	16673	16673	1	Si
77	0.144	7.6	0	12534	SLV 3	13438	8821	68363	16673	16673	1	Si
94	0.113	7.6	0	12068	SLV 3	12972	8821	68363	13130	13130	1	Si
111	0.113	7.6	0	11602	SLV 3	12506	8821	68363	13130	13130	1	Si
128	0.113	11.01	0	11136	SLV 3	12040	9980	68363	13130	13130	1	Si
145	0.113	12.61	0	10670	SLV 3	11574	10442	68363	13130	13130	1	Si
162	0.113	14.22	0	10204	SLV 3	11108	10867	68363	13130	13130	1	Si
179	0.101	13.12	0	9738	SLV 3	10642	10579	68363	11671	11671	1	Si
196	0.101	7.6	0	9272	SLV 3	10176	8821	68363	11671	11671	1	Si
204	0.101	7.6	0	9039	SLV 3	9943	8821	68363	11671	11671	1	Si
221	0.101	7.6	0	8573	SLV 3	9477	8821	68363	11671	11671	1	Si
240	0.101	7.6	0	8052	SLV 3	8956	8821	68363	11671	11671	1	Si
255	0	7.6	0	7641	SLV 3	8545	8821	68363	0	8821	1	Si
255	0	7.6	0	688	SLV 13	-216	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	12693	SLD 3	12693	11971	68363	0	11971	1	Si
17	0	16.72	0	12227	SLD 3	12227	11471	68363	0	11471	1	Si
20	0.144	16.72	0	12145	SLD 3	12145	11471	68363	16673	16673	1	Si
34	0.144	14.32	0	11761	SLD 3	11761	10893	68363	16673	16673	1	Si
51	0.144	7.6	0	11295	SLD 3	11295	8821	68363	16673	16673	1	Si
68	0.144	7.6	0	10829	SLD 3	10829	8821	68363	16673	16673	1	Si
77	0.144	7.6	0	10596	SLD 3	10596	8821	68363	16673	16673	1	Si
94	0.113	7.6	0	10130	SLD 3	10130	8821	68363	13130	13130	1	Si
111	0.113	7.6	0	9664	SLD 3	9664	8821	68363	13130	13130	1	Si
128	0.113	11.01	0	9198	SLD 3	9198	9980	68363	13130	13130	1	Si
145	0.113	12.61	0	8732	SLD 3	8732	10442	68363	13130	13130	1	Si
162	0.113	7.6	0	8266	SLD 3	8266	8821	68363	13130	13130	1	Si
179	0.101	7.6	0	7799	SLD 3	7799	8821	68363	11671	11671	1	Si
196	0.101	7.6	0	7333	SLD 3	7333	8821	68363	11671	11671	1	Si
204	0.101	7.6	0	7100	SLD 3	7100	8821	68363	11671	11671	1	Si
221	0.101	7.6	0	6634	SLD 3	6634	8821	68363	11671	11671	1	Si
240	0.101	7.6	0	6113	SLD 3	6113	8821	68363	11671	11671	1	Si
255	0	7.6	0	5702	SLD 3	5702	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1338308	8	-1214718	39.5	124.5	1112.3	1837	-1195120	1	-1082599	35.2	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
17	-1131960	8	-1129411	36.7	124.5	1034.2	1837	-1007411	1	-1005100	32.7	93.4	0	+∞	Si
20	-1096646	8	-1096646	35.6	124.5	1004.2	1837	-975334	1	-975334	31.7	93.4	0	+∞	Si
34	-933927	8	-1096646	35.6	124.5	1004.2	1837	-827624	1	-975334	31.7	93.4	0	+∞	Si
51	-744209	8	-1073927	34.9	124.5	983.4	1837	-655761	1	-954698	31	93.4	0	+∞	Si
68	-562806	8	-878306	28.5	124.5	804.3	1837	-491820	1	-777209	25.3	93.4	0	+∞	Si
77	-475223	8	-783613	26	124.5	758.8	1837	-412821	1	-691436	22.9	93.4	0	+∞	Si
94	-306292	8	-600464	20.9	124.5	667.3	1837	-260765	1	-525832	18.3	93.4	0	+∞	Si
111	-145677	8	-425630	15.7	124.5	555.8	1837	-116633	1	-368151	13.5	93.4	0	+∞	Si
128	41761	2	259005	6.7	124.5	101.2	1837	32887	2	243727	10.9	93.4	0	+∞	Si
145	167464	3	386397	10.1	124.5	151	1837	159139	2	356430	16	93.4	0	+∞	Si
162	297058	9	505474	13.2	124.5	197.6	1837	277468	2	461210	20.7	93.4	0	+∞	Si
179	422039	9	616236	16.1	124.5	240.9	1837	387873	2	558067	25	93.4	0	+∞	Si
196	538704	9	718682	26.1	124.5	1043.1	1837	490356	2	647001	23.5	93.4	0	+∞	Si
204	593919	9	766788	26.7	124.5	1016.4	1837	538626	2	688497	24	93.4	0	+∞	Si
221	698112	9	804719	25.9	124.5	909.3	1837	629224	2	721083	23.2	93.4	0	+∞	Si
240	804719	8	804719	25.2	124.5	904.2	1837	721083	1	721083	22.6	93.4	0	+∞	Si
255	883831	8	845800	26.5	124.5	950.3	1837	788603	1	756296	23.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
17	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si
20	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
34	-0.003	-0.004	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.007	2	9999	Si
51	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.008	2	9999	Si
68	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
77	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	2	-0.007	2	9999	Si
94	-0.001	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si
111	0	-0.001	-0.001	-0.002	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.003	2	9999	Si
128	0.001	0	0	-0.001	0.001	0	0	0	0.001	0	0	2	-0.001	2	9999	Si
145	0.002	0.001	0.001	0	0.002	0.001	0.001	0.001	0.002	0.001	0.002	2	0.002	2	9999	Si
162	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
179	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
196	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
204	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
221	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
240	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	10607	4380	16673	SLV 3	0.5	1642	1.409	-949155	-966559	-2315301	SLV 1	0.51	1734	1.44	Si
34	10223	4380	16673	SLV 3	0.53	1935	1.507	-949155	-966559	-2315301	SLV 1	0.51	1734	1.44	Si
51	9757	4380	16673	SLV 3	0.56	2331	1.626	-928750	-959867	-2315301	SLV 1	0.52	1838	1.475	Si
68	9291	4380	16673	SLV 3	0.57	2474	1.666	-213128	699667	963795	SLV 15	0.57	2474	1.666	Si
77	9058	4380	16673	SLV 3	0.57	2474	1.666	-141921	670287	963755	SLV 15	0.57	2474	1.666	Si
94	8592	4380	13130	SLV 3	0.38	775	1.035	-5449	611580	963649	SLV 15	0.56	2354	1.633	Si
111	8126	4380	13130	SLV 3	0.41	985	1.142	123100	552959	963508	SLV 15	0.54	2106	1.56	Si
128	7660	4380	13130	SLV 3	0.45	1247	1.258	-201602	-694965	-962923	SLV 1	0.4	889	1.095	Si
145	7194	4380	13130	SLV 3	0.49	1549	1.375	356430	436075	962923	SLV 15	0.5	1661	1.415	Si
162	6727	4380	13130	SLV 3	0.52	1897	1.494	461210	377880	962923	SLV 15	0.48	1467	1.345	Si
179	6261	4380	11671	SLV 3	0.45	1211	1.243	558067	319903	962923	SLV 15	0.46	1292	1.277	Si
196	5795	4380	11671	SLV 3	0.48	1507	1.36	310060	460571	1450705	SLV 15	0.57	2474	1.666	Si
204	5562	4380	11671	SLV 3	0.5	1673	1.419	365104	431412	1586413	SLV 15	0.57	2474	1.666	Si
221	5096	4380	11671	SLV 3	0.54	2036	1.538	469250	373233	1857657	SLV 15	0.57	2474	1.666	Si
240	4575	4380	11671	SLV 3	0.57	2474	1.666	720926	210043	1864772	SLV 15	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	10607	1538	16673	SLD 3	0.52	1899	3.762	-949155	-427612	-2315301	SLD 1	0.43	1083	2.988	Si
34	10223	1538	16673	SLD 3	0.55	2238	4.024	-949155	-427612	-2315301	SLD 1	0.43	1083	2.988	Si
51	9757	1538	16673	SLD 3	0.59	2474	4.193	-928750	-424652	-2315301	SLD 1	0.44	1149	3.062	Si
68	9291	1538	16673	SLD 3	0.6	2474	4.193	-213128	309536	963795	SLD 15	0.5	1722	3.614	Si
77	9058	1538	16673	SLD 3	0.6	2474	4.193	-141921	296539	963755	SLD 15	0.5	1634	3.537	Si
94	8592	1538	13130	SLD 3	0.4	883	2.748	-5449	270566	963649	SLD 15	0.48	1469	3.386	Si
111	8126	1538	13130	SLD 3	0.44	1138	3.05	123100	244631	963508	SLD 15	0.46	1315	3.236	Si
128	7660	1538	13130	SLD 3	0.47	1441	3.36	-201602	-307456	-962923	SLD 1	0.33	577	2.308	Si
145	7194	1538	13130	SLD 3	0.51	1793	3.674	356430	192920	962923	SLD 15	0.42	1037	2.936	Si
162	6727	1538	13130	SLD 3	0.55	2194	3.991	461210	167174	962923	SLD 15	0.4	921	2.796	Si
179	6261	1538	11671	SLD 3	0.47	1399	3.319	558067	141525	962923	SLD 15	0.38	819	2.665	Si
196	5795	1538	11671	SLD 3	0.51	1744	3.633	310060	203758	1450705	SLD 15	0.6	2474	4.193	Si
204	5562	1538	11671	SLD 3	0.53	1935	3.791	365104	190858	1586413	SLD 15	0.6	2474	4.193	Si
221	5096	1538	11671	SLD 3	0.56	2356	4.11	469250	165119	1857657	SLD 15	0.6	2474	4.193	Si
240	4575	1538	11671	SLD 3	0.6	2474	4.193	720926	92920	1864772	SLD 15	0.6	2474	4.193	Si

Campata 3 tra i fili ? - 66, sezione R 40x70, asta 1117

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	1170724	SLU 35	1170724	1864772	0.091						Si
15	15.21	5.4	15.21	5.4	1255617	SLU 35	1396124	1864772	0.091						Si
34	13.4	5.4	15.21	5.4	1352970	SLU 35	1471838	1864908	0.091						Si
68	7.6	5.4	15.21	5.4	1490729	SLU 35	1571747	1865528	0.096						Si
103	7.6	5.4	15.21	5.4	1584001	SLU 35	1627168	1865528	0.096						Si
137	7.6	5.4	15.21	5.4	1632787	SLU 35	1640497	1865528	0.096						Si
154	7.6	5.4	15.21	5.4	1640497	SLU 35	1640497	1865528	0.096						Si
188	7.6	5.4	15.21	5.4	1622552	SLU 35	1639479	1865528	0.096						Si
222	7.6	5.4	15.21	5.4	1560120	SLU 35	1614898	1865528	0.096						Si
256	7.6	5.4	15.21	5.4	1453202	SLU 35	1545830	1865528	0.096						Si
290	7.6	5.4	15.21	5.4	1301797	SLU 35	1432276	1865528	0.096						Si
325	7.6	5.4	15.21	5.4	1105905	SLU 35	1274235	1865528	0.096						Si
359	7.6	5.4	15.21	5.4	865527	SLU 35	1071707	1865528	0.096						Si
376	7.6	5.4	15.21	5.4	728655	SLU 35	953760	1865528	0.096						Si
410	11.29	5.4	15.21	5.4	421546	SLU 35	684502	1865060	0.093						Si
444	14.51	5.4	13.1	5.4	69950	SLU 35	370757	1615520	0.088	-19429	SLU 2	-327379	-1782281	0.09	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
478	15.21	5.4	14.31	5.4	-234228	SLU 4	17249	1758384	0.089	-384805	SLU 29	-464028	-1864821	0.091	Si
485	15.21	5.4	15.21	5.4						-464028	SLU 29	-464028	-1864772	0.091	Si
513	15.21	5.4	15.21	5.4						-809236	SLU 34	-626496	-1864772	0.091	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	958755	SLV 15	958755	1864772	0.091						Si
15	15.21	5.4	15.21	5.4	978645	SLV 15	1000532	1864772	0.091						Si
34	13.4	5.4	15.21	5.4	996254	SLV 15	1021762	1864908	0.091						Si
68	7.6	5.4	15.21	5.4	1040102	SLV 7	1170052	1865528	0.096						Si
103	7.6	5.4	15.21	5.4	1193384	SLV 3	1307844	1865528	0.096						Si
137	7.6	5.4	15.21	5.4	1326539	SLV 3	1414242	1865528	0.096						Si
154	7.6	5.4	15.21	5.4	1381334	SLV 3	1455588	1865528	0.096						Si
188	7.6	5.4	15.21	5.4	1467219	SLV 3	1514487	1865528	0.096						Si
222	7.6	5.4	15.21	5.4	1521382	SLV 3	1541582	1865528	0.096						Si
256	7.6	5.4	15.21	5.4	1543727	SLV 3	1543727	1865528	0.096						Si
290	7.6	5.4	15.21	5.4	1534195	SLV 3	1543495	1865528	0.096						Si
325	7.6	5.4	15.21	5.4	1492745	SLV 3	1529202	1865528	0.096	455	SLV 13	-226271	-963633	0.08	Si
359	7.6	5.4	15.21	5.4	1419354	SLV 3	1482989	1865528	0.096	-267427	SLV 13	-521421	-963633	0.08	Si
376	7.6	5.4	15.21	5.4	1370675	SLV 3	1447905	1865528	0.096	-413387	SLV 13	-681011	-963633	0.08	Si
410	11.29	5.4	15.21	5.4	1249342	SLV 3	1353768	1865060	0.093	-729337	SLV 13	-1024216	-1400417	0.085	Si
444	14.51	5.4	13.1	5.4	1096034	SLV 3	1227665	1615520	0.088	-1077320	SLV 13	-1399449	-1782281	0.09	Si
478	15.21	5.4	14.31	5.4	910745	SLV 3	1069587	1758384	0.089	-1457329	SLV 13	-1536163	-1864821	0.091	Si
485	15.21	5.4	15.21	5.4	869911	SLV 3	1034993	1864772	0.091	-1536163	SLV 13	-1536163	-1864772	0.091	Si
513	15.21	5.4	15.21	5.4	693447	SLV 3	693447	1864772	0.091	-1869384	SLV 13	-1696229	-1864772	0.091	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	854315	SLD 15	854315	1864772	0.091						Si
15	15.21	5.4	15.21	5.4	897732	SLD 15	964870	1864772	0.091						Si
34	13.4	5.4	15.21	5.4	945295	SLD 15	1005345	1864908	0.091						Si
68	7.6	5.4	15.21	5.4	1021226	SLD 7	1112288	1865528	0.096						Si
103	7.6	5.4	15.21	5.4	1127715	SLD 3	1196748	1865528	0.096						Si
137	7.6	5.4	15.21	5.4	1207461	SLD 3	1249474	1865528	0.096						Si
154	7.6	5.4	15.21	5.4	1235430	SLD 3	1263901	1865528	0.096						Si
188	7.6	5.4	15.21	5.4	1267497	SLD 3	1271578	1865528	0.096						Si
222	7.6	5.4	15.21	5.4	1267684	SLD 3	1271578	1865528	0.096						Si
256	7.6	5.4	15.21	5.4	1235950	SLD 3	1264141	1865528	0.096						Si
290	7.6	5.4	15.21	5.4	1172269	SLD 3	1227643	1865528	0.096						Si
325	7.6	5.4	15.21	5.4	1076622	SLD 3	1159193	1865528	0.096						Si
359	7.6	5.4	15.21	5.4	948999	SLD 3	1058777	1865528	0.096	202929	SLD 13	-4902	-963633	0.08	Si
376	7.6	5.4	15.21	5.4	873193	SLD 3	996577	1865528	0.096	84095	SLD 13	-137358	-963633	0.08	Si
410	11.29	5.4	15.21	5.4	697593	SLD 3	848192	1865060	0.093	-177587	SLD 13	-426282	-1400417	0.085	Si
444	14.51	5.4	13.1	5.4	490001	SLD 3	667819	1615520	0.088	-471287	SLD 13	-747219	-1782281	0.09	Si
478	15.21	5.4	14.31	5.4	250416	SLD 3	455455	1758384	0.089	-797000	SLD 13	-865239	-1864821	0.091	Si
485	15.21	5.4	15.21	5.4	198986	SLD 3	410268	1864772	0.091	-865239	SLD 13	-865239	-1864772	0.091	Si
513	15.21	5.4	15.21	5.4						-1154749	SLD 13	-1004467	-1864772	0.091	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	6055	SLU 33	6055	11113	68363	0	11113	1	Si
15	0.072	15.21	0	5484	SLU 33	5484	11113	68363	8336	11113	1	Si
34	0.072	15.21	0	4753	SLU 33	4753	11113	68363	8336	11113	1	Si
68	0.072	15.21	0	3451	SLU 33	3451	11113	68363	8336	11113	1	Si
103	0.091	15.21	0	2151	SLU 24	2151	11113	68363	10610	11113	1	Si
137	0.091	15.21	0	904	SLU 19	904	11113	68363	10610	11113	1	Si
154	0.091	15.21	0	314	SLU 19	314	11113	68363	10610	11113	1	Si
154	0.091	15.21	0	-70	SLU 14	-70	-11113	-68363	-10610	-11113	1	Si
188	0.091	15.21	0	-1247	SLU 36	-1247	-11113	-68363	-10610	-11113	1	Si
222	0.091	15.21	0	-2549	SLU 36	-2549	-11113	-68363	-10610	-11113	1	Si
256	0.091	15.21	0	-3851	SLU 36	-3851	-11113	-68363	-10610	-11113	1	Si
290	0.091	15.21	0	-5153	SLU 36	-5153	-11113	-68363	-10610	-11113	1	Si
325	0.091	15.21	0	-6455	SLU 36	-6455	-11113	-68363	-10610	-11113	1	Si
359	0.091	15.21	0	-7757	SLU 36	-7757	-11113	-68363	-10610	-11113	1	Si
376	0.091	13.1	0	-8408	SLU 36	-8408	-10575	-68363	-10610	-10610	1	Si
410	0.091	14.31	0	-9710	SLU 36	-9710	-10890	-68363	-10610	-10890	1	Si
444	0.115	15.21	0	-11012	SLU 36	-11012	-11113	-68363	-13338	-13338	1	Si
478	0.115	11.29	0	-12314	SLU 36	-12314	-10062	-68363	-13338	-13338	1	Si
485	0.115	12.9	0	-12569	SLU 36	-12569	-10520	-68363	-13338	-13338	1	Si
513	0	14.51	0	-13610	SLU 36	-13610	-10941	-68363	0	-10941	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	7226	SLV 1	7968	11113	68363	0	11113	1	Si
15	0.072	15.21	0	6815	SLV 1	7556	11113	68363	8336	11113	1	Si
34	0.072	15.21	0	6289	SLV 1	7031	11113	68363	8336	11113	1	Si
34	0.072	15.21	0	583	SLV 15	-159	-11113	-68363	-8336	-11113	1	Si
68	0.072	15.21	0	5352	SLV 1	6094	11113	68363	8336	11113	1	Si
68	0.072	15.21	0	-354	SLV 15	-1096	-11113	-68363	-8336	-11113	1	Si
103	0.091	15.21	0	4416	SLV 1	5158	11113	68363	10610	11113	1	Si
103	0.091	15.21	0	-1291	SLV 15	-2032	-11113	-68363	-10610	-11113	1	Si
137	0.091	15.21	0	3479	SLV 1	4221	11113	68363	10610	11113	1	Si
137	0.091	15.21	0	-2227	SLV 15	-2969	-11113	-68363	-10610	-11113	1	Si
154	0.091	15.21	0	3011	SLV 1	3753	11113	68363	10610	11113	1	Si
154	0.091	15.21	0	-2696	SLV 15	-3437	-11113	-68363	-10610	-11113	1	Si
188	0.091	15.21	0	2074	SLV 1	2816	11113	68363	10610	11113	1	Si
188	0.091	15.21	0	-3632	SLV 15	-4374	-11113	-68363	-10610	-11113	1	Si
222	0.091	15.21	0	1137	SLV 1	1879	11113	68363	10610	11113	1	Si
222	0.091	15.21	0	-4569	SLV 15	-5311	-11113	-68363	-10610	-11113	1	Si
256	0.091	15.21	0	201	SLV 1	942	11113	68363	10610	11113	1	Si
256	0.091	15.21	0	-5506	SLV 15	-6247	-11113	-68363	-10610	-11113	1	Si
290	0.091	15.21	0	-736	SLV 1	6	11113	68363	10610	11113	1	Si
290	0.091	15.21	0	-6442	SLV 15	-7184	-11113	-68363	-10610	-11113	1	Si
325	0.091	15.21	0	-7379	SLV 15	-8121	-11113	-68363	-10610	-11113	1	Si
359	0.091	7.6	0	-8316	SLV 15	-9058	-8821	-68363	-10610	-10610	1	Si
376	0.091	7.6	0	-8784	SLV 15	-9526	-8821	-68363	-10610	-10610	1	Si
410	0.091	7.6	0	-9721	SLV 15	-10463	-8821	-68363	-10610	-10610	1	Si
444	0.115	7.6	0	-10657	SLV 15	-11399	-8821	-68363	-13338	-13338	1	Si
478	0.115	11.29	0	-11594	SLV 15	-12336	-10062	-68363	-13338	-13338	1	Si
485	0.115	12.9	0	-11777	SLV 15	-12519	-10520	-68363	-13338	-13338	1	Si
495	0	12.9	0	-12062	SLV 15	-12804	-10520	-68363	0	-10520	1	Si
513	0	14.51	0	-12527	SLV 15	-13268	-10941	-68363	0	-10941	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	5635	SLD 1	5635	11113	68363	0	11113	1	Si
15	0.072	15.21	0	5223	SLD 1	5223	11113	68363	8336	11113	1	Si
34	0.072	15.21	0	4698	SLD 1	4698	11113	68363	8336	11113	1	Si
68	0.072	15.21	0	3761	SLD 1	3761	11113	68363	8336	11113	1	Si
103	0.091	15.21	0	2825	SLD 1	2825	11113	68363	10610	11113	1	Si
137	0.091	15.21	0	1888	SLD 1	1888	11113	68363	10610	11113	1	Si
137	0.091	15.21	0	-636	SLD 15	-636	-11113	-68363	-10610	-11113	1	Si
154	0.091	15.21	0	1420	SLD 1	1420	11113	68363	10610	11113	1	Si
154	0.091	15.21	0	-1104	SLD 15	-1104	-11113	-68363	-10610	-11113	1	Si
188	0.091	15.21	0	483	SLD 1	483	11113	68363	10610	11113	1	Si
188	0.091	15.21	0	-2041	SLD 15	-2041	-11113	-68363	-10610	-11113	1	Si
222	0.091	15.21	0	-2978	SLD 15	-2978	-11113	-68363	-10610	-11113	1	Si
256	0.091	15.21	0	-3914	SLD 15	-3914	-11113	-68363	-10610	-11113	1	Si
290	0.091	15.21	0	-4851	SLD 15	-4851	-11113	-68363	-10610	-11113	1	Si
325	0.091	15.21	0	-5788	SLD 15	-5788	-11113	-68363	-10610	-11113	1	Si
359	0.091	15.21	0	-6725	SLD 15	-6725	-11113	-68363	-10610	-11113	1	Si
376	0.091	13.1	0	-7193	SLD 15	-7193	-10575	-68363	-10610	-10610	1	Si
410	0.091	7.6	0	-8130	SLD 15	-8130	-8821	-68363	-10610	-10610	1	Si
444	0.115	7.6	0	-9066	SLD 15	-9066	-8821	-68363	-13338	-13338	1	Si
478	0.115	11.29	0	-10003	SLD 15	-10003	-10062	-68363	-13338	-13338	1	Si
485	0.115	12.9	0	-10186	SLD 15	-10186	-10520	-68363	-13338	-13338	1	Si
513	0	14.51	0	-10935	SLD 15	-10935	-10941	-68363	0	-10941	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	867821	8	867821	27.2	124.5	975.1	1837	772507	1	772507	24.2	93.4	0	+∞	Si
15	932370	8	1039334	32.6	124.5	1167.8	1837	835192	1	939397	29.5	93.4	0	+∞	Si
34	1006453	8	1097080	35.3	124.5	1234.8	1837	907287	1	995926	32	93.4	0	+∞	Si
68	1111497	8	1173548	41	124.5	1330.1	1837	1010064	1	1071473	37.5	93.4	0	+∞	Si
103	1182954	8	1216428	42.5	124.5	1378.7	1837	1080837	1	1115016	39	93.4	0	+∞	Si
137	1220824	8	1227164	42.9	124.5	1390.8	1837	1119606	1	1126989	39.4	93.4	0	+∞	Si
154	1227164	8	1227164	42.9	124.5	1390.8	1837	1126989	1	1126989	39.4	93.4	0	+∞	Si
188	1214654	8	1226551	42.9	124.5	1390.1	1837	1117753	1	1126805	39.4	93.4	0	+∞	Si
222	1168556	8	1209030	42.3	124.5	1370.3	1837	1076513	1	1112795	38.9	93.4	0	+∞	Si
256	1088871	8	1157922	40.5	124.5	1312.4	1837	1003269	1	1066781	37.3	93.4	0	+∞	Si
290	975599	8	1073226	37.5	124.5	1216.4	1837	898022	1	988763	34.6	93.4	0	+∞	Si
325	828739	8	954944	33.4	124.5	1082.3	1837	760771	1	878742	30.7	93.4	0	+∞	Si
359	648293	8	803074	28.1	124.5	910.2	1837	591517	1	736717	25.8	93.4	0	+∞	Si
376	545474	8	714544	25	124.5	809.8	1837	494888	1	653703	22.9	93.4	0	+∞	Si
410	314647	8	512294	17	124.5	577.9	1837	277628	1	463673	15.4	93.4	0	+∞	Si
444	50232	8	276456	9.2	124.5	358.9	1837	28365	1	241639	8	93.4	0	+∞	Si
444	-3314	2	-243391	8	124.5	286.7	1837								Si
478	-286885	2	-346899	11	124.5	390.1	1837	-273292	2	-333126	10.6	93.4	0	+∞	Si
485	-346899	2	-346899	10.9	124.5	389.8	1837	-333126	2	-333126	10.4	93.4	0	+∞	Si
513	-607718	7	-469971	14.7	124.5	528.1	1837	-587969	2	-455828	14.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.012	0.011	0.013	0.01	0.011	0.011	0.011	0.01	0.011	0.011	0.029	1	0.029	1	9999	Si
34	0.026	0.023	0.028	0.022	0.024	0.024	0.023	0.023	0.024	0.024	0.065	1	0.064	1	7871	Si
68	0.048	0.044	0.052	0.042	0.045	0.044	0.044	0.043	0.044	0.044	0.124	1	0.122	1	4148	Si
103	0.067	0.06	0.073	0.059	0.061	0.06	0.061	0.059	0.061	0.06	0.172	1	0.17	1	2978	Si
137	0.081	0.073	0.088	0.071	0.074	0.073	0.074	0.072	0.074	0.073	0.209	1	0.206	1	2457	Si
154	0.086	0.077	0.094	0.076	0.079	0.078	0.079	0.076	0.079	0.078	0.222	1	0.219	1	2307	Si
188	0.093	0.084	0.101	0.082	0.086	0.085	0.086	0.082	0.086	0.085	0.24	1	0.236	1	2139	Si
222	0.096	0.087	0.103	0.083	0.089	0.087	0.087	0.084	0.088	0.087	0.244	1	0.241	1	2097	Si
256	0.095	0.085	0.101	0.081	0.088	0.086	0.085	0.082	0.087	0.086	0.237	1	0.234	1	2159	Si
290	0.09	0.081	0.094	0.076	0.083	0.081	0.08	0.077	0.083	0.081	0.22	1	0.217	1	2326	Si
325	0.081	0.073	0.084	0.068	0.075	0.073	0.072	0.069	0.075	0.073	0.196	1	0.193	1	2611	Si
359	0.07	0.062	0.071	0.058	0.064	0.063	0.061	0.059	0.064	0.063	0.166	1	0.163	1	3081	Si
376	0.063	0.056	0.064	0.052	0.058	0.056	0.055	0.053	0.058	0.057	0.15	1	0.147	1	3427	Si
410	0.048	0.042	0.049	0.039	0.044	0.043	0.042	0.04	0.044	0.043	0.113	1	0.111	1	4521	Si
444	0.032	0.028	0.032	0.026	0.029	0.028	0.028	0.026	0.029	0.028	0.075	1	0.073	1	6825	Si
478	0.015	0.013	0.016	0.013	0.014	0.014	0.013	0.013	0.014	0.014	0.037	1	0.036	1	9999	Si
485	0.012	0.011	0.013	0.01	0.011	0.011	0.011	0.01	0.011	0.011	0.029	1	0.029	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	3961	3595	11113	SLV 1	0.57	2474	1.666	833541	145104	1864772	SLV 15	0.57	2474	1.666	Si
34	3436	3595	11113	SLV 1	0.57	2474	1.666	833541	145104	1864908	SLV 15	0.57	2474	1.666	Si
68	2499	3595	11113	SLV 1	0.57	2474	1.666	1066489	103563	1865528	SLV 3	0.57	2474	1.666	Si
103	1563	3595	11113	SLV 1	0.57	2474	1.666	1108651	199193	1865528	SLV 3	0.57	2474	1.666	Si
137	626	3595	11113	SLV 1	0.57	2474	1.666	1118809	295433	1865528	SLV 3	0.57	2474	1.666	Si
154	158	3595	11113	SLV 1	0.57	2474	1.666	1111886	343702	1865528	SLV 3	0.57	2474	1.666	Si
188	-779	-3595	-11113	SLV 15	0.57	2474	1.666	1074039	440449	1865528	SLV 3	0.57	2474	1.666	Si
222	-1716	-3595	-11113	SLV 15	0.57	2474	1.666	1004187	537394	1865528	SLV 3	0.57	2428	1.654	Si
256	-2653	-3595	-11113	SLV 15	0.57	2474	1.666	991862	551865	1865528	SLV 3	0.56	2349	1.631	Si
290	-3589	-3595	-11113	SLV 15	0.57	2474	1.666	768474	731646	1865528	SLV 3	0.53	2031	1.537	Si
325	-4526	-3595	-11113	SLV 15	0.57	2474	1.666	865746	663456	1865528	SLV 3	0.54	2058	1.545	Si
359	-5463	-3595	-10610	SLV 15	0.51	1795	1.461	404745	-926167	-963633	SLV 13	0.53	1952	1.512	Si
376	-5931	-3595	-10610	SLV 15	0.47	1392	1.316	293811	-974822	-963633	SLV 13	0.46	1359	1.303	Si
410	-6868	-3595	-10610	SLV 15	0.38	785	1.041	47940	-1072156	-1400417	SLV 13	0.48	1536	1.371	Si
444	-7804	-3595	-13338	SLV 15	0.55	2179	1.582	-229935	-1169513	-1782281	SLV 13	0.48	1466	1.345	Si
478	-8741	-3595	-13338	SLV 15	0.46	1328	1.291	-333126	-1203037	-1864821	SLV 13	0.46	1313	1.285	Si
485	-8924	-3595	-13338	SLV 15	0.44	1193	1.236	-333126	-1203037	-1864772	SLV 13	0.46	1313	1.285	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	3961	1262	11113	SLD 1	0.6	2474	4.193	833541	64192	1864772	SLD 15	0.6	2474	4.193	Si
34	3436	1262	11113	SLD 1	0.6	2474	4.193	833541	64192	1864908	SLD 15	0.6	2474	4.193	Si
68	2499	1262	11113	SLD 1	0.6	2474	4.193	1066489	45798	1865528	SLD 3	0.6	2474	4.193	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
103	1563	1262	11113	SLD 1	0.6	2474	4.193	1108651	88097	1865528	SLD 3	0.6	2474	4.193	Si
137	626	1262	11113	SLD 1	0.6	2474	4.193	1118809	130665	1865528	SLD 3	0.6	2474	4.193	Si
154	158	1262	11113	SLD 1	0.6	2474	4.193	1111886	152015	1865528	SLD 3	0.6	2474	4.193	Si
188	-779	-1262	-11113	SLD 15	0.6	2474	4.193	1091798	179780	1865528	SLD 3	0.57	2399	4.14	Si
222	-1716	-1262	-11113	SLD 15	0.6	2474	4.193	1004187	237688	1865528	SLD 3	0.48	1515	3.429	Si
256	-2653	-1262	-11113	SLD 15	0.6	2474	4.193	902332	280628	1865528	SLD 3	0.46	1311	3.232	Si
290	-3589	-1262	-11113	SLD 15	0.6	2474	4.193	768474	323608	1865528	SLD 3	0.45	1269	3.189	Si
325	-4526	-1262	-11113	SLD 15	0.6	2474	4.193	865746	293447	1865528	SLD 3	0.45	1286	3.206	Si
359	-5463	-1262	-11113	SLD 15	0.59	2474	4.193	404745	-409648	-963633	SLD 13	0.45	1220	3.138	Si
376	-5931	-1262	-10610	SLD 15	0.49	1610	3.516	293811	-431169	-963633	SLD 13	0.39	858	2.716	Si
410	-6868	-1262	-10610	SLD 15	0.4	894	2.762	47940	-474221	-1400417	SLD 13	0.41	960	2.844	Si
444	-7804	-1262	-13338	SLD 15	0.58	2474	4.193	-229935	-517284	-1782281	SLD 13	0.4	921	2.796	Si
478	-8741	-1262	-13338	SLD 15	0.48	1536	3.449	-333126	-532112	-1864821	SLD 13	0.39	832	2.682	Si
485	-8924	-1262	-13338	SLD 15	0.47	1378	3.299	-333126	-532112	-1864772	SLD 13	0.39	832	2.682	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 67-69

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 67 - 68, sezione R 40x70, asta 1112

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4						-380327	SLU 20	-328218	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4						-282911	SLU 20	-282911	-1414397	0.086	Si
23	11.4	5.4	11.4	5.4						-269019	SLU 20	-282911	-1414397	0.086	Si
46	11.23	5.4	11.4	5.4						-176925	SLU 20	-282911	-1393627	0.085	Si
69	10.14	5.4	11.4	5.4						-104047	SLU 20	-199962	-1265040	0.084	Si
80	9.6	5.4	11.4	5.4						-74813	SLU 20	-158586	-1200725	0.083	Si
103	7.6	5.4	11.4	5.4	-20009	SLU 1	209	1414576	0.086	-34065	SLU 30	-90243	-963377	0.08	Si
126	7.6	5.4	11.4	5.4	-2801	SLU 2	4851	1414576	0.086	-47235	SLU 35	-100763	-963377	0.08	Si
149	7.6	5.4	11.4	5.4	4851	SLU 2	4851	1414576	0.086	-86263	SLU 35	-166606	-963377	0.08	Si
172	7.6	5.4	11.4	5.4	-2503	SLU 2	4851	1414576	0.086	-146507	SLU 35	-253664	-963377	0.08	Si
195	7.6	5.4	11.4	5.4	-24863	SLU 2	428	1414576	0.086	-227967	SLU 35	-361939	-963377	0.08	Si
218	7.6	5.4	11.4	5.4						-330642	SLU 35	-491429	-963377	0.08	Si
241	7.6	5.4	11.4	5.4						-454533	SLU 35	-642134	-963377	0.08	Si
253	7.6	5.4	11.4	5.4						-524434	SLU 35	-725442	-963377	0.08	Si
276	7.6	5.4	11.4	5.4						-680148	SLU 35	-907971	-963377	0.08	Si
299	7.6	5.4	11.4	5.4						-857078	SLU 35	-1083143	-963377	0.08	No
322	7.6	5.4	11.4	5.4						-1055223	SLU 35	-1083143	-963377	0.08	No
325	7.6	5.4	11.4	5.4						-1083143	SLU 35	-1083143	-963377	0.08	No
345	7.6	5.4	11.4	5.4						-1274584	SLU 35	-1175109	-963377	0.08	No

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	839936	SLV 13	831429	1414397	0.086	-1351410	SLV 3	-1268784	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4	821692	SLV 13	821692	1414397	0.086	-1195724	SLV 3	-1195724	-1414397	0.086	Si
23	11.4	5.4	11.4	5.4	818406	SLV 13	821692	1414397	0.086	-1172965	SLV 3	-1195724	-1414397	0.086	Si
46	11.23	5.4	11.4	5.4	782240	SLV 13	821692	1414411	0.086	-1010386	SLV 3	-1195724	-1393627	0.085	Si
69	10.14	5.4	11.4	5.4	731456	SLV 13	792749	1414436	0.086	-863690	SLV 3	-1052245	-1265040	0.084	Si
80	9.6	5.4	11.4	5.4	700589	SLV 13	771113	1414474	0.086	-796304	SLV 3	-974815	-1200725	0.083	Si
103	7.6	5.4	11.4	5.4	627926	SLV 13	716882	1414576	0.086	-673479	SLV 3	-831872	-963377	0.08	Si
126	7.6	5.4	11.4	5.4	540753	SLV 13	648063	1414576	0.086	-566646	SLV 3	-704843	-963377	0.08	Si
149	7.6	5.4	11.4	5.4	439248	SLV 13	564712	1414576	0.086	-475981	SLV 3	-593782	-963377	0.08	Si
172	7.6	5.4	11.4	5.4	323875	SLV 13	466972	1414576	0.086	-401950	SLV 3	-498832	-963377	0.08	Si
195	7.6	5.4	11.4	5.4	196038	SLV 13	355212	1414576	0.086	-345954	SLV 3	-420363	-963377	0.08	Si
218	7.6	5.4	11.4	5.4	116148	SLV 9	230508	1414576	0.086	-368407	SLV 7	-436092	-963377	0.08	Si
241	7.6	5.4	11.4	5.4	47756	SLV 9	134309	1414576	0.086	-432858	SLV 7	-576301	-963377	0.08	Si
253	7.6	5.4	11.4	5.4	19605	SLV 5	99430	1414576	0.086	-482568	SLV 11	-644365	-963377	0.08	Si
276	7.6	5.4	11.4	5.4	-34347	SLV 5	19605	1414576	0.086	-607210	SLV 11	-822784	-963377	0.08	Si
299	7.6	5.4	11.4	5.4						-765772	SLV 15	-1016592	-963377	0.08	No
322	7.6	5.4	11.4	5.4						-986178	SLV 15	-1016592	-963377	0.08	No
325	7.6	5.4	11.4	5.4						-1016592	SLV 15	-1016592	-963377	0.08	No
345	7.6	5.4	11.4	5.4						-1223420	SLV 15	-1118513	-963377	0.08	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	228639	SLD 13	228639	1414397	0.086	-740113	SLD 3	-682916	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4	258933	SLD 13	283289	1414397	0.086	-632965	SLD 3	-632965	-1414397	0.086	Si
23	11.4	5.4	11.4	5.4	262915	SLD 13	284341	1414397	0.086	-617475	SLD 3	-632965	-1414397	0.086	Si
46	11.23	5.4	11.4	5.4	282212	SLD 13	286538	1414411	0.086	-510358	SLD 3	-632965	-1393627	0.085	Si
69	10.14	5.4	11.4	5.4	286538	SLD 13	286538	1414436	0.086	-418772	SLD 3	-537603	-1265040	0.084	Si
80	9.6	5.4	11.4	5.4	283090	SLD 13	286538	1414474	0.086	-378805	SLD 3	-487819	-1200725	0.083	Si
103	7.6	5.4	11.4	5.4	264979	SLD 13	284910	1414576	0.086	-310533	SLD 3	-399900	-963377	0.08	Si
126	7.6	5.4	11.4	5.4	231943	SLD 13	270745	1414576	0.086	-257836	SLD 3	-327524	-963377	0.08	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
149	7.6	5.4	11.4	5.4	184059	SLD 13	241645	1414576	0.086	-220793	SLD 3	-270714	-963377	0.08	Si
172	7.6	5.4	11.4	5.4	121529	SLD 13	197672	1414576	0.086	-199603	SLD 3	-229532	-963377	0.08	Si
195	7.6	5.4	11.4	5.4	44960	SLD 13	138986	1414576	0.086	-194876	SLD 3	-248857	-963377	0.08	Si
218	7.6	5.4	11.4	5.4	-18952	SLD 9	66054	1414576	0.086	-233307	SLD 7	-311733	-963377	0.08	Si
241	7.6	5.4	11.4	5.4						-298778	SLD 7	-421441	-963377	0.08	Si
253	7.6	5.4	11.4	5.4						-342447	SLD 11	-478630	-963377	0.08	Si
276	7.6	5.4	11.4	5.4						-447370	SLD 11	-617756	-963377	0.08	Si
299	7.6	5.4	11.4	5.4						-575476	SLD 15	-762737	-963377	0.08	Si
322	7.6	5.4	11.4	5.4						-739743	SLD 15	-762737	-963377	0.08	Si
325	7.6	5.4	11.4	5.4						-762737	SLD 15	-762737	-963377	0.08	Si
345	7.6	5.4	11.4	5.4						-919957	SLD 15	-839177	-963377	0.08	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.14	0	5282	SLU 29	5282	9711	68363	0	9711	1	Si
20	0.086	9.6	0	4531	SLU 20	4531	9535	68363	10004	10004	1	Si
23	0.086	7.6	0	4422	SLU 20	4422	8821	68363	10004	10004	1	Si
46	0.086	7.6	0	3586	SLU 20	3586	8821	68363	10004	10004	1	Si
69	0.086	7.6	0	2751	SLU 20	2751	8821	68363	10004	10004	1	Si
80	0.086	7.6	0	2333	SLU 20	2333	8821	68363	10004	10004	1	Si
103	0.085	7.6	0	1498	SLU 20	1498	8821	68363	9903	9903	1	Si
103	0.085	7.6	0	-500	SLU 17	-500	-8821	-68363	-9903	-9903	1	Si
126	0.085	7.6	0	662	SLU 20	662	8821	68363	9903	9903	1	Si
126	0.085	7.6	0	-1239	SLU 17	-1239	-8821	-68363	-9903	-9903	1	Si
149	0.085	11.4	0	6	SLU 2	6	10097	68363	9903	10097	1	Si
149	0.085	7.6	0	-2158	SLU 35	-2158	-8821	-68363	-9903	-9903	1	Si
172	0.085	7.6	0	-3081	SLU 35	-3081	-8821	-68363	-9903	-9903	1	Si
195	0.085	7.6	0	-4003	SLU 35	-4003	-8821	-68363	-9903	-9903	1	Si
218	0.085	7.6	0	-4925	SLU 35	-4925	-8821	-68363	-9903	-9903	1	Si
241	0.085	7.6	0	-5848	SLU 35	-5848	-8821	-68363	-9903	-9903	1	Si
253	0.085	7.6	0	-6309	SLU 35	-6309	-8821	-68363	-9903	-9903	1	Si
276	0.101	7.6	0	-7231	SLU 35	-7231	-8821	-68363	-11671	-11671	1	Si
299	0.101	7.6	0	-8154	SLU 35	-8154	-8821	-68363	-11671	-11671	1	Si
322	0.101	7.6	0	-9076	SLU 35	-9076	-8821	-68363	-11671	-11671	1	Si
325	0.101	7.6	0	-9197	SLU 35	-9197	-8821	-68363	-11671	-11671	1	Si
345	0	7.6	0	-9999	SLU 35	-9999	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.14	0	8308	SLV 1	9495	9711	68363	0	9711	1	Si
0	0	11.4	0	-823	SLV 15	-2010	-10097	-68363	0	-10097	1	Si
20	0.086	9.6	0	7732	SLV 1	8919	9535	68363	10004	10004	1	Si
20	0.086	11.4	0	-1399	SLV 15	-2586	-10097	-68363	-10004	-10097	1	Si
23	0.086	7.6	0	7645	SLV 1	8832	8821	68363	10004	10004	1	Si
23	0.086	11.4	0	-1486	SLV 15	-2673	-10097	-68363	-10004	-10097	1	Si
46	0.086	7.6	0	6982	SLV 1	8169	8821	68363	10004	10004	1	Si
46	0.086	11.4	0	-2149	SLV 15	-3336	-10097	-68363	-10004	-10097	1	Si
69	0.086	7.6	0	6319	SLV 1	7506	8821	68363	10004	10004	1	Si
69	0.086	11.4	0	-2812	SLV 15	-3999	-10097	-68363	-10004	-10097	1	Si
80	0.086	7.6	0	5988	SLV 1	7175	8821	68363	10004	10004	1	Si
80	0.086	11.4	0	-3144	SLV 15	-4331	-10097	-68363	-10004	-10097	1	Si
103	0.085	7.6	0	5324	SLV 1	6512	8821	68363	9903	9903	1	Si
103	0.085	11.4	0	-3807	SLV 15	-4994	-10097	-68363	-9903	-10097	1	Si
126	0.085	7.6	0	4661	SLV 1	5848	8821	68363	9903	9903	1	Si
126	0.085	11.4	0	-4470	SLV 15	-5657	-10097	-68363	-9903	-10097	1	Si
149	0.085	7.6	0	3998	SLV 1	5185	8821	68363	9903	9903	1	Si
149	0.085	11.4	0	-5133	SLV 15	-6320	-10097	-68363	-9903	-10097	1	Si
172	0.085	7.6	0	3335	SLV 1	4522	8821	68363	9903	9903	1	Si
172	0.085	11.4	0	-5796	SLV 15	-6983	-10097	-68363	-9903	-10097	1	Si
195	0.085	7.6	0	2672	SLV 1	3859	8821	68363	9903	9903	1	Si
195	0.085	11.4	0	-6459	SLV 15	-7646	-10097	-68363	-9903	-10097	1	Si
218	0.085	7.6	0	2009	SLV 1	3196	8821	68363	9903	9903	1	Si
218	0.085	7.6	0	-7122	SLV 15	-8309	-8821	-68363	-9903	-9903	1	Si
241	0.085	7.6	0	1346	SLV 1	2533	8821	68363	9903	9903	1	Si
241	0.085	7.6	0	-7785	SLV 15	-8972	-8821	-68363	-9903	-9903	1	Si
253	0.085	7.6	0	1015	SLV 1	2202	8821	68363	9903	9903	1	Si
253	0.085	7.6	0	-8117	SLV 15	-9304	-8821	-68363	-9903	-9903	1	Si
276	0.101	7.6	0	352	SLV 1	1539	8821	68363	11671	11671	1	Si
276	0.101	7.6	0	-8780	SLV 15	-9967	-8821	-68363	-11671	-11671	1	Si
299	0.101	7.6	0	-312	SLV 1	876	8821	68363	11671	11671	1	Si
299	0.101	7.6	0	-9443	SLV 15	-10630	-8821	-68363	-11671	-11671	1	Si
322	0.101	7.6	0	-975	SLV 1	212	8821	68363	11671	11671	1	Si
322	0.101	7.6	0	-10106	SLV 15	-11293	-8821	-68363	-11671	-11671	1	Si
325	0.101	7.6	0	-1061	SLV 1	126	8821	68363	11671	11671	1	Si
325	0.101	7.6	0	-10192	SLV 15	-11379	-8821	-68363	-11671	-11671	1	Si
345	0	7.6	0	-10769	SLV 15	-11956	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.14	0	5760	SLD 1	5760	9711	68363	0	9711	1	Si
20	0.086	9.6	0	5184	SLD 1	5184	9535	68363	10004	10004	1	Si
23	0.086	7.6	0	5097	SLD 1	5097	8821	68363	10004	10004	1	Si
46	0.086	7.6	0	4434	SLD 1	4434	8821	68363	10004	10004	1	Si
69	0.086	7.6	0	3771	SLD 1	3771	8821	68363	10004	10004	1	Si
69	0.086	11.4	0	-264	SLD 15	-264	-10097	-68363	-10004	-10097	1	Si
80	0.086	7.6	0	3439	SLD 1	3439	8821	68363	10004	10004	1	Si
80	0.086	11.4	0	-595	SLD 15	-595	-10097	-68363	-10004	-10097	1	Si
103	0.085	7.6	0	2776	SLD 1	2776	8821	68363	9903	9903	1	Si
103	0.085	11.4	0	-1258	SLD 15	-1258	-10097	-68363	-9903	-10097	1	Si
126	0.085	7.6	0	2113	SLD 1	2113	8821	68363	9903	9903	1	Si
126	0.085	11.4	0	-1922	SLD 15	-1922	-10097	-68363	-9903	-10097	1	Si
149	0.085	7.6	0	1450	SLD 1	1450	8821	68363	9903	9903	1	Si
149	0.085	11.4	0	-2585	SLD 15	-2585	-10097	-68363	-9903	-10097	1	Si
172	0.085	7.6	0	787	SLD 1	787	8821	68363	9903	9903	1	Si
172	0.085	11.4	0	-3248	SLD 15	-3248	-10097	-68363	-9903	-10097	1	Si
195	0.085	7.6	0	124	SLD 1	124	8821	68363	9903	9903	1	Si
195	0.085	7.6	0	-3911	SLD 15	-3911	-8821	-68363	-9903	-9903	1	Si
218	0.085	7.6	0	-4574	SLD 15	-4574	-8821	-68363	-9903	-9903	1	Si
241	0.085	7.6	0	-5237	SLD 15	-5237	-8821	-68363	-9903	-9903	1	Si
253	0.085	7.6	0	-5568	SLD 15	-5568	-8821	-68363	-9903	-9903	1	Si
276	0.101	7.6	0	-6231	SLD 15	-6231	-8821	-68363	-11671	-11671	1	Si
299	0.101	7.6	0	-6894	SLD 15	-6894	-8821	-68363	-11671	-11671	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
322	0.101	7.6	0	-7558	SLD 15	-7558	-8821	-68363	-11671	-11671	1	Si
325	0.101	7.6	0	-7644	SLD 15	-7644	-8821	-68363	-11671	-11671	1	Si
345	0	7.6	0	-8221	SLD 15	-8221	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-280727	2	-241393	8.8	124.5	359.3	1837	-255737	2	-218677	8	93.4	0	+∞	Si
20	-207458	2	-207458	7.6	124.5	308.8	1837	-187016	2	-187016	6.8	93.4	0	+∞	Si
23	-197039	2	-207458	7.6	124.5	308.8	1837	-177280	2	-187016	6.8	93.4	0	+∞	Si
46	-128602	2	-207458	7.6	124.5	313.5	1837	-114073	2	-187016	6.9	93.4	0	+∞	Si
69	-75416	2	-145657	5.5	124.5	242.8	1837	-66117	2	-129748	4.9	93.4	0	+∞	Si
80	-54541	2	-115145	4.5	124.5	202.4	1837	-47857	2	-101851	4	93.4	0	+∞	Si
103	-25064	3	-65559	1.6	124.5	25.1	1837	-22777	2	-57495	2.4	93.4	0	+∞	Si
126	-32873	8	-70065	1.7	124.5	26.8	1837	-18612	1	-38397	1.6	93.4	0	+∞	Si
149	-59792	8	-117225	2.9	124.5	44.9	1837	-31878	1	-70938	3	93.4	0	+∞	Si
172	-102724	8	-180398	4.5	124.5	69.1	1837	-60394	1	-118729	5	93.4	0	+∞	Si
195	-161671	8	-259585	6.4	124.5	99.4	1837	-104160	1	-181771	7.7	93.4	0	+∞	Si
218	-236632	8	-354787	8.8	124.5	135.9	1837	-163177	1	-260063	11	93.4	0	+∞	Si
241	-327607	8	-466003	11.5	124.5	178.5	1837	-237445	1	-353606	15	93.4	0	+∞	Si
253	-379100	8	-527616	13.1	124.5	202.1	1837	-280297	1	-406096	17.2	93.4	0	+∞	Si
276	-494097	8	-662853	16.4	124.5	253.9	1837	-377440	1	-522514	22.1	93.4	0	+∞	Si
299	-625107	8	-792876	19.6	124.5	303.7	1837	-489833	1	-635618	26.9	93.4	0	+∞	Si
322	-772132	8	-792876	19.6	124.5	303.7	1837	-617477	1	-635618	26.9	93.4	0	+∞	Si
325	-792876	8	-792876	19.6	124.5	303.7	1837	-635618	1	-635618	26.9	93.4	0	+∞	Si
345	-935171	8	-861189	21.3	124.5	329.8	1837	-760371	1	-695296	29.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
46	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.005	2	-0.005	2	9999	Si
69	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.006	2	-0.007	2	9999	Si
80	-0.002	-0.003	-0.003	-0.004	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	-0.007	2	-0.008	2	9999	Si
103	-0.002	-0.004	-0.003	-0.005	-0.002	-0.003	-0.003	-0.004	-0.002	-0.003	-0.008	2	-0.009	2	9999	Si
126	-0.002	-0.005	-0.003	-0.006	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.009	2	-0.011	2	9999	Si
149	-0.003	-0.006	-0.004	-0.007	-0.003	-0.004	-0.004	-0.005	-0.003	-0.004	-0.01	2	-0.012	2	9999	Si
172	-0.003	-0.007	-0.004	-0.007	-0.004	-0.005	-0.004	-0.006	-0.004	-0.005	-0.011	2	-0.014	2	9999	Si
195	-0.003	-0.007	-0.004	-0.008	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.012	2	-0.015	2	9999	Si
218	-0.004	-0.008	-0.004	-0.008	-0.004	-0.006	-0.005	-0.006	-0.004	-0.006	-0.013	2	-0.015	2	9999	Si
230	-0.004	-0.008	-0.004	-0.008	-0.004	-0.006	-0.005	-0.006	-0.005	-0.006	-0.013	2	-0.016	2	9999	Si
241	-0.004	-0.008	-0.004	-0.008	-0.004	-0.006	-0.005	-0.006	-0.005	-0.006	-0.013	2	-0.016	2	9999	Si
253	-0.004	-0.008	-0.004	-0.008	-0.004	-0.006	-0.005	-0.006	-0.005	-0.006	-0.013	2	-0.015	2	9999	Si
276	-0.004	-0.007	-0.004	-0.007	-0.004	-0.006	-0.005	-0.006	-0.004	-0.005	-0.012	2	-0.014	2	9999	Si
299	-0.003	-0.006	-0.003	-0.006	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.01	2	-0.011	2	9999	Si
322	-0.002	-0.004	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	2	-0.007	2	9999	Si
325	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.006	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	3166	5753	10004	SLV 1	0.43	1094	1.193	-187016	-1008708	-1414397	SLV 3	0.44	1164	1.223	Si
23	3080	5753	10004	SLV 1	0.43	1131	1.209	-187016	-1008708	-1414397	SLV 3	0.44	1164	1.223	Si
46	2417	5753	10004	SLV 1	0.47	1441	1.335	-187016	-1008708	-1393627	SLV 3	0.43	1113	1.201	Si
69	1754	5753	10004	SLV 1	0.51	1803	1.464	-129748	-922497	-1265040	SLV 3	0.44	1200	1.239	Si
80	1422	5753	10004	SLV 1	0.53	2003	1.528	-101851	-872964	-1200725	SLV 3	0.45	1274	1.269	Si
103	759	5753	9903	SLV 1	0.56	2374	1.638	-57495	-774377	-963377	SLV 3	0.42	1049	1.172	Si
126	96	5753	9903	SLV 1	0.57	2474	1.666	-28390	-676453	-963377	SLV 3	0.5	1634	1.406	Si
149	-567	-5753	-10097	SLV 15	0.57	2474	1.666	-14535	-579247	-963377	SLV 3	0.57	2474	1.666	Si
172	-1230	-5753	-10097	SLV 15	0.55	2187	1.584	-15930	-482902	-963377	SLV 3	0.57	2474	1.666	Si
195	-1893	-5753	-10097	SLV 15	0.51	1776	1.455	-32576	-387787	-963377	SLV 3	0.57	2474	1.666	Si
218	-2556	-5753	-9903	SLV 15	0.46	1323	1.289	-64472	-294980	-963377	SLV 3	0.57	2474	1.666	Si
241	-3219	-5753	-9903	SLV 15	0.42	1030	1.163	-298796	-277504	-963377	SLV 11	0.57	2474	1.666	Si
253	-3551	-5753	-9903	SLV 15	0.4	906	1.104	-347364	-297001	-963377	SLV 11	0.57	2474	1.666	Si
276	-4214	-5753	-11671	SLV 15	0.47	1377	1.311	-455936	-366847	-963377	SLV 15	0.5	1637	1.407	Si
299	-4877	-5753	-11671	SLV 15	0.43	1076	1.184	-562242	-454349	-963377	SLV 15	0.32	526	0.883	No
322	-5540	-5753	-11671	SLV 15	0.39	831	1.065	-562242	-454349	-963377	SLV 15	0.32	526	0.883	No
325	-5627	-5753	-11671	SLV 15	0.38	803	1.051	-562242	-454349	-963377	SLV 15	0.32	526	0.883	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	3166	2017	10004	SLD 1	0.45	1269	3.189	-187016	-445949	-1414397	SLD 3	0.37	745	2.563	Si
23	3080	2017	10004	SLD 1	0.46	1311	3.232	-187016	-445949	-1414397	SLD 3	0.37	745	2.563	Si
46	2417	2017	10004	SLD 1	0.5	1673	3.572	-187016	-445949	-1393627	SLD 3	0.36	715	2.521	Si
69	1754	2017	10004	SLD 1	0.54	2092	3.914	-129748	-407855	-1265040	SLD 3	0.37	767	2.594	Si
80	1422	2017	10004	SLD 1	0.56	2326	4.088	-101851	-385968	-1200725	SLD 3	0.38	809	2.651	Si
103	759	2017	9903	SLD 1	0.6	2474	4.193	-57495	-342405	-963377	SLD 3	0.36	677	2.465	Si
126	96	2017	9903	SLD 1	0.6	2474	4.193	-28390	-299134	-963377	SLD 3	0.42	1021	2.917	Si
149	-567	-2017	-10097	SLD 15	0.6	2474	4.193	-14535	-256180	-963377	SLD 3	0.49	1606	3.512	Si
172	-1230	-2017	-10097	SLD 15	0.58	2474	4.193	-15930	-213602	-963377	SLD 3	0.58	2474	4.193	Si
195	-1893	-2017	-9903	SLD 15	0.53	1933	3.789	-74958	-119918	-963377	SLD 3	0.6	2474	4.193	Si
218	-2556	-2017	-9903	SLD 15	0.48	1535	3.448	-74958	-119918	-963377	SLD 3	0.6	2474	4.193	Si
241	-3219	-2017	-9903	SLD 15	0.44	1194	3.11	-298796	-122644	-963377	SLD 11	0.6	2474	4.193	Si
253	-3551	-2017	-9903	SLD 15	0.42	1041	2.94	-347364	-131266	-963377	SLD 11	0.6	2474	4.193	Si
276	-4214	-2017	-11671	SLD 15	0.49	1597	3.504	-455936	-161820	-963377	SLD 15	0.42	1030	2.927	Si
299	-4877	-2017	-11671	SLD 15	0.45	1247	3.166	-562242	-200495	-963377	SLD 15	0.27	357	1.896	Si
322	-5540	-2017	-11671	SLD 15	0.41	949	2.831	-562242	-200495	-963377	SLD 15	0.27	357	1.896	Si
325	-5627	-2017	-11671	SLD 15	0.4	917	2.791	-562242	-200495	-963377	SLD 15	0.27	357	1.896	Si

Campata 2 tra i fili 68 - ?, sezione R 40x70, asta 1113

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-2253153	SLU 35	-2041478	-963377	0.08	No
17	7.6	5.4	11.4	5.4						-1896537	SLU 35	-1892401	-963377	0.08	No
20	7.6	5.4	11.4	5.4						-1837496	SLU 35	-1837496	-963377	0.08	No

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
34	7.6	5.4	11.4	5.4						-1551645	SLU 35	-1837496	-963377	0.08	No
51	7.6	5.4	11.4	5.4						-1218476	SLU 35	-1792267	-963377	0.08	No
68	7.6	5.4	11.4	5.4						-897032	SLU 35	-1450890	-963377	0.08	No
77	7.6	5.4	11.4	5.4						-740706	SLU 35	-1284597	-963377	0.08	No
94	7.6	5.4	11.4	5.4	-185184	SLU 2	129664	1414576	0.086	-436848	SLU 35	-960806	-963377	0.08	Si
111	7.6	5.4	11.4	5.4	-8484	SLU 2	361411	1414576	0.086	-144714	SLU 35	-648738	-963377	0.08	Si
128	7.6	5.4	11.4	5.4	199068	SLU 29	611999	1414576	0.086	96552	SLU 8	-348395	-963377	0.08	Si
145	7.6	5.4	11.4	5.4	434627	SLU 36	855843	1414576	0.086	276832	SLU 1	-59775	-963377	0.08	Si
162	7.6	5.4	11.4	5.4	686680	SLU 36	1087962	1414576	0.086						Si
180	7.6	5.4	13.46	5.4	927009	SLU 36	1308358	1659165	0.091						Si
197	10.98	5.4	16.18	5.4	1155614	SLU 36	1517030	1980760	0.095						Si
205	11.78	5.4	17.33	5.4	1265520	SLU 36	1616969	2117061	0.096						Si
222	13.4	5.4	18.5	5.4	1476540	SLU 36	1699208	2254853	0.097						Si
241	15.21	5.4	19.01	5.4	1699208	SLU 36	1699208	2314940	0.096						Si
256	15.21	5.4	19.01	5.4	1865069	SLU 35	1783427	2314940	0.096						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-2546789	SLV 3	-2364653	-963377	0.08	No
17	7.6	5.4	11.4	5.4						-2237897	SLV 3	-2234499	-963377	0.08	No
20	7.6	5.4	11.4	5.4	-91644	SLV 13	154872	1414576	0.086	-2186562	SLV 3	-2186562	-963377	0.08	No
34	7.6	5.4	11.4	5.4	31885	SLV 13	266757	1414576	0.086	-1937638	SLV 3	-2186562	-963377	0.08	No
51	7.6	5.4	11.4	5.4	172953	SLV 13	394707	1414576	0.086	-1646098	SLV 3	-2147237	-963377	0.08	No
68	7.6	5.4	11.4	5.4	306086	SLV 13	505032	1414576	0.086	-1363479	SLV 3	-1849582	-963377	0.08	No
77	7.6	5.4	11.4	5.4	369835	SLV 13	581097	1414576	0.086	-1225673	SLV 3	-1704032	-963377	0.08	No
94	7.6	5.4	11.4	5.4	492977	SLV 13	719448	1414576	0.086	-958345	SLV 3	-1419611	-963377	0.08	No
111	7.6	5.4	11.4	5.4	620672	SLV 15	859447	1414576	0.086	-712427	SLV 1	-1144595	-963377	0.08	No
128	7.6	5.4	11.4	5.4	762032	SLV 15	993205	1414576	0.086	-497027	SLV 1	-864348	-963377	0.08	Si
145	7.6	5.4	11.4	5.4	900488	SLV 15	1119811	1414576	0.086	-295579	SLV 1	-646384	-963377	0.08	Si
162	7.6	5.4	11.4	5.4	1032131	SLV 15	1239334	1414576	0.086	-104174	SLV 1	-435841	-963377	0.08	Si
180	7.6	5.4	13.46	5.4	1156582	SLV 15	1404193	1659165	0.091	77568	SLV 1	-237475	-963531	0.08	Si
197	10.98	5.4	16.18	5.4	1274032	SLV 15	1593599	1980760	0.095	249456	SLV 1	-48965	-1363812	0.085	Si
205	11.78	5.4	17.33	5.4	1365597	SLV 11	1685557	2117061	0.096						Si
222	13.4	5.4	18.5	5.4	1556489	SLV 11	1761929	2254853	0.097						Si
241	15.21	5.4	19.01	5.4	1761929	SLV 11	1761929	2314940	0.096						Si
256	15.21	5.4	19.01	5.4	1916753	SLV 11	1838642	2314940	0.096						Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-1913404	SLD 3	-1755542	-963377	0.08	No
17	7.6	5.4	11.4	5.4						-1646734	SLD 3	-1643732	-963377	0.08	No
20	7.6	5.4	11.4	5.4						-1602553	SLD 3	-1602553	-963377	0.08	No
34	7.6	5.4	11.4	5.4						-1388583	SLD 3	-1602553	-963377	0.08	No
51	7.6	5.4	11.4	5.4						-1138988	SLD 3	-1568707	-963377	0.08	No
68	7.6	5.4	11.4	5.4	-159355	SLD 13	114801	1414576	0.086	-898039	SLD 3	-1313116	-963377	0.08	No
77	7.6	5.4	11.4	5.4	-74962	SLD 13	200645	1414576	0.086	-780876	SLD 3	-1188533	-963377	0.08	No
94	7.6	5.4	11.4	5.4	88372	SLD 13	362726	1414576	0.086	-553741	SLD 3	-945846	-963377	0.08	Si
111	7.6	5.4	11.4	5.4	249027	SLD 15	520833	1414576	0.086	-340782	SLD 1	-712018	-963377	0.08	Si
128	7.6	5.4	11.4	5.4	411030	SLD 15	671477	1414576	0.086	-146025	SLD 1	-480583	-963377	0.08	Si
145	7.6	5.4	11.4	5.4	567044	SLD 15	814258	1414576	0.086	37864	SLD 1	-281396	-963377	0.08	Si
162	7.6	5.4	11.4	5.4	715344	SLD 15	949206	1414576	0.086	212613	SLD 1	-90194	-963377	0.08	Si
180	7.6	5.4	13.46	5.4	855763	SLD 15	1099541	1659165	0.091						Si
197	10.98	5.4	16.18	5.4	988385	SLD 15	1256013	1980760	0.095						Si
205	11.78	5.4	17.33	5.4	1067490	SLD 11	1331272	2117061	0.096						Si
222	13.4	5.4	18.5	5.4	1225561	SLD 11	1393392	2254853	0.097						Si
241	15.21	5.4	19.01	5.4	1393392	SLD 11	1393392	2314940	0.096						Si
256	15.21	5.4	19.01	5.4	1518084	SLD 11	1456278	2314940	0.096						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	21200	SLU 35	21200	8821	68363	0	8821	1	Si
17	0	7.6	0	20515	SLU 35	20515	8821	68363	0	8821	1	Si
20	0.187	7.6	0	20398	SLU 35	20398	8821	68363	21675	21675	1	Si
34	0.187	7.6	0	19829	SLU 35	19829	8821	68363	21675	21675	1	Si
51	0.187	7.6	0	19143	SLU 35	19143	8821	68363	21675	21675	1	Si
68	0.187	7.6	0	18458	SLU 35	18458	8821	68363	21675	21675	1	Si
77	0.187	7.6	0	18115	SLU 35	18115	8821	68363	21675	21675	1	Si
94	0.16	7.6	0	17429	SLU 35	17429	8821	68363	18624	18624	1	Si
111	0.16	7.6	0	16743	SLU 35	16743	8821	68363	18624	18624	1	Si
128	0.16	11.4	0	16058	SLU 35	16058	10097	68363	18624	18624	1	Si
145	0.16	11.4	0	15372	SLU 35	15372	10097	68363	18624	18624	1	Si
162	0.16	11.4	0	14686	SLU 35	14686	10097	68363	18624	18624	1	Si
180	0.144	11.4	0	14000	SLU 35	14000	10097	68363	16673	16673	1	Si
197	0.144	11.4	0	13315	SLU 35	13315	10097	68363	16673	16673	1	Si
205	0.144	11.4	0	12972	SLU 35	12972	10097	68363	16673	16673	1	Si
222	0.144	11.4	0	12286	SLU 35	12286	10097	68363	16673	16673	1	Si
241	0.144	13.46	0	11516	SLU 35	11516	10672	68363	16673	16673	1	Si
256	0	14.04	0	10915	SLU 35	10915	10822	68363	0	10822	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	19122	SLV 7	20484	8821	68363	0	8821	1	Si
17	0	7.6	0	18629	SLV 7	19991	8821	68363	0	8821	1	Si
20	0.187	7.6	0	18545	SLV 7	19907	8821	68363	21675	21675	1	Si
34	0.187	7.6	0	18136	SLV 7	19498	8821	68363	21675	21675	1	Si
51	0.187	7.6	0	17643	SLV 7	19005	8821	68363	21675	21675	1	Si
68	0.187	7.6	0	17150	SLV 7	18512	8821	68363	21675	21675	1	Si
77	0.187	7.6	0	16904	SLV 7	18266	8821	68363	21675	21675	1	Si
94	0.16	7.6	0	16411	SLV 7	17773	8821	68363	18624	18624	1	Si
111	0.16	7.6	0	15918	SLV 7	17280	8821	68363	18624	18624	1	Si
128	0.16	11.4	0	15425	SLV 7	16787	10097	68363	18624	18624	1	Si
145	0.16	11.4	0	14932	SLV 7	16294	10097	68363	18624	18624	1	Si
162	0.16	11.4	0	14439	SLV 7	15801	10097	68363	18624	18624	1	Si
180	0.144	11.4	0	13946	SLV 7	15308	10097	68363	16673	16673	1	Si
197	0.144	11.4	0	13454	SLV 7	14816	10097	68363	16673	16673	1	Si
205	0.144	11.4	0	13207	SLV 7	14569	10097	68363	16673	16673	1	Si
222	0.144	11.4	0	12714	SLV 7	14076	10097	68363	16673	16673	1	Si
241	0.144	13.46	0	12161	SLV 7	13523	10672	68363	16673	16673	1	Si
256	0	14.04	0	11728	SLV 7	13090	10822	68363	0	10822	1	Si
256	0	14.04	0	1251	SLV 9	-111	-10822	-68363	0	-10822	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	16201	SLD 7	16201	8821	68363	0	8821	1	Si
17	0	7.6	0	15708	SLD 7	15708	8821	68363	0	8821	1	Si
20	0.187	7.6	0	15625	SLD 7	15625	8821	68363	21675	21675	1	Si
34	0.187	7.6	0	15215	SLD 7	15215	8821	68363	21675	21675	1	Si
51	0.187	7.6	0	14722	SLD 7	14722	8821	68363	21675	21675	1	Si
68	0.187	7.6	0	14229	SLD 7	14229	8821	68363	21675	21675	1	Si
77	0.187	7.6	0	13983	SLD 7	13983	8821	68363	21675	21675	1	Si
94	0.16	7.6	0	13490	SLD 7	13490	8821	68363	18624	18624	1	Si
111	0.16	7.6	0	12997	SLD 7	12997	8821	68363	18624	18624	1	Si
128	0.16	11.4	0	12504	SLD 7	12504	10097	68363	18624	18624	1	Si
145	0.16	11.4	0	12011	SLD 7	12011	10097	68363	18624	18624	1	Si
162	0.16	11.4	0	11518	SLD 7	11518	10097	68363	18624	18624	1	Si
180	0.144	11.4	0	11026	SLD 7	11026	10097	68363	16673	16673	1	Si
197	0.144	11.4	0	10533	SLD 7	10533	10097	68363	16673	16673	1	Si
205	0.144	11.4	0	10286	SLD 7	10286	10097	68363	16673	16673	1	Si
222	0.144	11.4	0	9793	SLD 7	9793	10097	68363	16673	16673	1	Si
241	0.144	13.46	0	9240	SLD 7	9240	10672	68363	16673	16673	1	Si
256	0	14.04	0	8807	SLD 7	8807	10822	68363	0	10822	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1666479	8	-1509277	63.9	124.5	3329.4	1837	-1451892	1	-1311655	55.6	93.4	0	+∞	Si
17	-1401701	8	-1398633	59.2	124.5	3085.3	1837	-1215928	1	-1213207	51.4	93.4	0	+∞	Si
20	-1357883	8	-1357883	57.5	124.5	2995.4	1837	-1176948	1	-1176948	49.8	93.4	0	+∞	Si
34	-1145772	8	-1357883	57.5	124.5	2995.4	1837	-988392	1	-1176948	49.8	93.4	0	+∞	Si
51	-898694	8	-1324316	56.1	124.5	2921.4	1837	-769283	1	-1147087	48.6	93.4	0	+∞	Si
68	-660464	8	-1071041	45.4	124.5	2362.6	1837	-558602	1	-922077	39.1	93.4	0	+∞	Si
77	-544669	8	-947721	40.1	124.5	2090.6	1837	-456422	1	-812732	34.4	93.4	0	+∞	Si
94	-319714	8	-707720	17.5	124.5	271.1	1837	-258382	1	-600364	25.4	93.4	0	+∞	Si
111	-103609	8	-476569	11.8	124.5	182.5	1837	-68770	1	-396423	16.8	93.4	0	+∞	Si
128	145894	2	453318	17.5	124.5	677.3	1837	132502	2	416189	16.1	93.4	0	+∞	Si
145	322215	9	633404	24.5	124.5	946.3	1837	302454	2	571812	22.1	93.4	0	+∞	Si
162	508498	9	804641	31.1	124.5	1202.1	1837	463978	2	719007	27.8	93.4	0	+∞	Si
180	685932	9	967029	35.3	124.5	1231.5	1837	617075	2	857775	31.3	93.4	0	+∞	Si
197	854516	9	1120566	36.5	124.5	1191.2	1837	761744	2	988115	32.2	93.4	0	+∞	Si
205	935489	9	1194016	37.6	124.5	1187.1	1837	830918	2	1050125	33.1	93.4	0	+∞	Si
222	1090799	9	1254414	37.8	124.5	1169.4	1837	962946	2	1100935	33.2	93.4	0	+∞	Si
241	1254414	9	1254414	36.6	124.5	1136.9	1837	1100935	2	1100935	32.1	93.4	0	+∞	Si
256	1375978	8	1316242	38.4	124.5	1193	1837	1202669	1	1152851	33.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
17	-0.002	-0.003	-0.002	-0.004	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.008	2	-0.008	2	9999	Si
20	-0.002	-0.003	-0.002	-0.004	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.008	2	-0.009	2	9999	Si
34	-0.002	-0.004	-0.003	-0.006	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.011	2	-0.012	2	9999	Si
43	-0.003	-0.004	-0.003	-0.006	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.011	2	-0.012	2	9999	Si
51	-0.002	-0.004	-0.003	-0.006	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.011	2	-0.012	2	9999	Si
68	-0.002	-0.003	-0.002	-0.005	-0.002	-0.002	-0.003	-0.004	-0.002	-0.002	-0.009	2	-0.01	2	9999	Si
77	-0.001	-0.003	-0.002	-0.005	-0.001	-0.002	-0.002	-0.003	-0.001	-0.002	-0.008	2	-0.009	2	9999	Si
94	0	-0.001	-0.001	-0.003	0	-0.001	-0.001	-0.002	0	-0.001	-0.005	2	-0.006	2	9999	Si
111	0.002	0.001	0.001	-0.002	0.002	0.001	0	-0.001	0.001	0.001	-0.001	2	-0.003	2	9999	Si
128	0.003	0.002	0.002	0	0.003	0.002	0.002	0.001	0.003	0.002	0.002	2	0.001	2	9999	Si
145	0.005	0.004	0.003	0.002	0.004	0.004	0.003	0.002	0.004	0.004	0.006	2	0.004	2	9999	Si
162	0.006	0.005	0.004	0.003	0.005	0.005	0.004	0.003	0.005	0.005	0.008	2	0.007	2	9999	Si
180	0.006	0.006	0.005	0.004	0.006	0.006	0.005	0.004	0.006	0.006	0.01	2	0.009	2	9999	Si
197	0.007	0.006	0.005	0.004	0.006	0.006	0.005	0.004	0.006	0.006	0.011	2	0.01	2	9999	Si
205	0.006	0.006	0.005	0.004	0.006	0.006	0.005	0.004	0.006	0.006	0.011	2	0.01	2	9999	Si
222	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.009	2	0.008	2	9999	Si
241	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	13307	6601	21675	SLV 7	0.46	1298	1.279	-1139103	-822832	-963377	SLV 1	0	0	0	No
34	12897	6601	21675	SLV 7	0.48	1473	1.347	-1139103	-822832	-963377	SLV 1	0	0	0	No
51	12405	6601	21675	SLV 7	0.5	1705	1.431	-1109607	-818650	-963377	SLV 1	0	0	0	No
68	11912	6601	21675	SLV 7	0.53	1958	1.514	-887402	-962180	-963377	SLV 3	0.02	3	0.106	No
77	11665	6601	21675	SLV 7	0.54	2093	1.556	-779460	-924572	-963377	SLV 3	0.07	24	0.249	No
94	11172	6601	18624	SLV 7	0.41	956	1.128	-569897	-849715	-963377	SLV 3	0.17	130	0.498	No
111	10679	6601	18624	SLV 7	0.43	1131	1.209	-368761	-775835	-963377	SLV 3	0.28	383	0.776	No
128	10186	6601	18624	SLV 7	0.46	1327	1.291	-176052	-688296	-963377	SLV 1	0.41	989	1.144	Si
145	9694	6601	18624	SLV 7	0.49	1543	1.373	8228	-654613	-963377	SLV 1	0.53	1976	1.52	Si
162	9201	6601	18624	SLV 7	0.51	1781	1.456	719007	520327	1414576	SLV 15	0.48	1494	1.355	Si
180	8708	6601	16673	SLV 7	0.44	1139	1.212	857775	546418	1659165	SLV 11	0.52	1914	1.5	Si
197	8215	6601	16673	SLV 7	0.46	1335	1.294	988115	605484	1980760	SLV 11	0.57	2474	1.666	Si
205	7968	6601	16673	SLV 7	0.47	1441	1.335	1050125	635432	2117061	SLV 11	0.57	2474	1.666	Si
222	7475	6601	16673	SLV 7	0.5	1669	1.418	1100935	660994	2254853	SLV 11	0.57	2474	1.666	Si
241	6922	6601	16673	SLV 7	0.53	1951	1.512	1100935	660994	2314940	SLV 11	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	13307	2318	21675	SLD 7	0.48	1500	3.415	-1139103	-364081	-963377	SLD 1	0	0	0	No
34	12897	2318	21675	SLD 7	0.5	1704	3.599	-1139103	-364081	-963377	SLD 1	0	0	0	No
51	12405	2318	21675	SLD 7	0.53	1972	3.821	-1109607	-362231	-963377	SLD 1	0	0	0	No
68	11912	2318	21675	SLD 7	0.56	2265	4.044	-887402	-425714	-963377	SLD 3	0.02	2	0.226	No
77	11665	2318	21675	SLD 7	0.57	2421	4.156	-779460	-409073	-963377	SLD 3	0.06	16	0.531	No
94	11172	2318	18624	SLD 7	0.43	1102	3.01	-569897	-375949	-963377	SLD 3	0.15	90	1.078	Si
111	10679	2318	18624	SLD 7	0.46	1307	3.228	-368761	-343258	-963377	SLD 3	0.24	260	1.665	Si
128	10186	2318	18624	SLD 7	0.48	1533	3.446	-176052	-304531	-963377	SLD 1	0.35	640	2.409	Si
145	9694	2318	18624	SLD 7	0.51	1785	3.668	8228	-289625	-963377	SLD 1	0.45	1234	3.153	Si
162	9201	2318	18624	SLD 7	0.54	2060	3.89	719007	230199	1414576	SLD 15	0.41	935	2.814	Si
180	8708	2318	16673	SLD 7	0.46	1316	3.237	857775	241766	1659165	SLD 11	0.44	1196	3.112	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
197	8215	2318	16673	SLD 7	0.49	1543	3.455	988115	267898	1980760	SLD 11	0.49	1607	3.513	Si
205	7968	2318	16673	SLD 7	0.5	1666	3.565	1050125	281147	2117061	SLD 11	0.5	1713	3.606	Si
222	7475	2318	16673	SLD 7	0.53	1931	3.788	1100935	292456	2254853	SLD 11	0.52	1902	3.764	Si
241	6922	2318	16673	SLD 7	0.56	2258	4.039	1100935	292456	2314940	SLD 11	0.55	2178	3.98	Si

Campata 3 tra i fili ? - 69, sezione R 40x70, asta 1114

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	19.01	5.4	1825135	SLU 36	1825135	2314940	0.096						Si
15	15.21	5.4	19.01	5.4	1890681	SLU 35	1992531	2314940	0.096						Si
34	13.41	5.4	19.01	5.4	1962451	SLU 35	2041662	2315051	0.098						Si
68	7.6	5.4	19.01	5.4	2053282	SLU 35	2092773	2315301	0.107						Si
102	7.6	5.4	19.01	5.4	2097563	SLU 35	2102247	2315301	0.107						Si
119	7.6	5.4	19.01	5.4	2102247	SLU 35	2102247	2315301	0.107						Si
153	7.6	5.4	19.01	5.4	2076704	SLU 35	2100207	2315301	0.107						Si
187	7.6	5.4	19.01	5.4	2004611	SLU 35	2067834	2315301	0.107						Si
221	7.6	5.4	19.01	5.4	1885969	SLU 35	1988911	2315301	0.107						Si
256	7.6	5.4	18.98	5.4	1720778	SLU 35	1863438	2312218	0.107						Si
290	7.6	5.4	15.21	5.4	1509036	SLU 35	1691416	1865528	0.096						Si
324	7.6	5.4	15.21	5.4	1250746	SLU 35	1472845	1865528	0.096						Si
358	7.6	5.4	15.18	5.4	945906	SLU 35	1207724	1862430	0.096						Si
392	7.6	5.4	12.91	5.4	594516	SLU 35	896054	1593494	0.09						Si
409	11.28	5.4	14.06	5.4	401365	SLU 35	722763	1729124	0.09	205278	SLU 2	-45616	-1399894	0.085	Si
443	14.49	5.4	12.01	5.4	-6248	SLU 8	341268	1486177	0.086	-99771	SLU 29	-470732	-1780703	0.091	Si
477	15.21	5.4	13.88	5.4						-536416	SLU 29	-627685	-1864841	0.091	Si
484	15.21	5.4	15.21	5.4						-627685	SLU 30	-627685	-1864772	0.091	Si
511	15.21	5.4	15.21	5.4						-1047001	SLU 36	-830214	-1864772	0.091	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	19.01	5.4	1883587	SLV 11	1883587	2314940	0.096						Si
15	15.21	5.4	19.01	5.4	1899090	SLV 11	1912817	2314940	0.096						Si
34	13.41	5.4	19.01	5.4	1911135	SLV 11	1913999	2315051	0.098						Si
68	7.6	5.4	19.01	5.4	1911003	SLV 7	1913999	2315301	0.107						Si
102	7.6	5.4	19.01	5.4	1895652	SLV 7	1909035	2315301	0.107						Si
119	7.6	5.4	19.01	5.4	1884081	SLV 7	1901759	2315301	0.107						Si
153	7.6	5.4	19.01	5.4	1843760	SLV 7	1879153	2315301	0.107						Si
187	7.6	5.4	19.01	5.4	1773953	SLV 7	1834664	2315301	0.107						Si
221	7.6	5.4	19.01	5.4	1750026	SLV 3	1760223	2315301	0.107						Si
256	7.6	5.4	18.98	5.4	1718210	SLV 3	1746531	2312218	0.107						Si
290	7.6	5.4	15.21	5.4	1654221	SLV 3	1710006	1865528	0.096						Si
324	7.6	5.4	15.21	5.4	1558058	SLV 3	1641284	1865528	0.096	107666	SLV 13	-143616	-963633	0.08	Si
358	7.6	5.4	15.18	5.4	1430638	SLV 3	1540472	1862430	0.096	-188402	SLV 13	-472735	-963631	0.08	Si
392	7.6	5.4	12.91	5.4	1275252	SLV 3	1408759	1593494	0.09	-523427	SLV 13	-845058	-963494	0.08	Si
409	11.28	5.4	14.06	5.4	1188839	SLV 1	1332363	1729124	0.09	-707315	SLV 15	-1047286	-1399894	0.085	Si
443	14.49	5.4	12.01	5.4	998248	SLV 1	1161818	1486177	0.086	-1107518	SLV 15	-1480451	-1780703	0.091	Si
477	15.21	5.4	13.88	5.4	779152	SLV 1	967227	1707553	0.089	-1546138	SLV 15	-1635843	-1864841	0.091	Si
484	15.21	5.4	15.21	5.4	732363	SLV 1	926463	1864772	0.091	-1635843	SLV 15	-1635843	-1864772	0.091	Si
511	15.21	5.4	15.21	5.4	528400	SLV 1	528400	1864772	0.091	-2020003	SLV 15	-1823776	-1864772	0.091	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	19.01	5.4	1488819	SLD 11	1488819	2314940	0.096						Si
15	15.21	5.4	19.01	5.4	1523788	SLD 11	1574197	2314940	0.096						Si
34	13.41	5.4	19.01	5.4	1560188	SLD 11	1584134	2315051	0.098						Si
68	7.6	5.4	19.01	5.4	1600654	SLD 7	1614325	2315301	0.107						Si
102	7.6	5.4	19.01	5.4	1615726	SLD 7	1615726	2315301	0.107						Si
119	7.6	5.4	19.01	5.4	1614539	SLD 7	1615726	2315301	0.107						Si
153	7.6	5.4	19.01	5.4	1590572	SLD 7	1612144	2315301	0.107						Si
187	7.6	5.4	19.01	5.4	1534902	SLD 7	1583595	2315301	0.107						Si
221	7.6	5.4	19.01	5.4	1480847	SLD 3	1523138	2315301	0.107						Si
256	7.6	5.4	18.98	5.4	1404666	SLD 3	1470873	2312218	0.107						Si
290	7.6	5.4	15.21	5.4	1295593	SLD 3	1389870	1865528	0.096						Si
324	7.6	5.4	15.21	5.4	1153628	SLD 3	1275966	1865528	0.096						Si
358	7.6	5.4	15.18	5.4	979178	SLD 3	1129207	1862430	0.096						Si
392	7.6	5.4	12.91	5.4	773700	SLD 3	950120	1593494	0.09	-21874	SLD 13	-296060	-963494	0.08	Si
409	11.28	5.4	14.06	5.4	660108	SLD 1	848918	1729124	0.09	-178583	SLD 15	-468842	-1399894	0.085	Si
443	14.49	5.4	12.01	5.4	411072	SLD 1	624669	1486177	0.086	-520341	SLD 15	-841102	-1780703	0.091	Si
477	15.21	5.4	13.88	5.4	130765	SLD 1	371125	1707553	0.089	-897751	SLD 15	-975490	-1864841	0.091	Si
484	15.21	5.4	15.21	5.4	72010	SLD 1	318633	1864772	0.091	-975490	SLD 15	-975490	-1864772	0.091	Si
511	15.21	5.4	15.21	5.4						-1309405	SLD 15	-1137853	-1864772	0.091	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	4883	SLU 33	4883	11971	68363	0	11971	1	Si
15	0.072	19.01	0	4288	SLU 24	4288	11971	68363	8336	11971	1	Si
34	0.072	19.01	0	3554	SLU 24	3554	11971	68363	8336	11971	1	Si
68	0.072	19.01	0	2266	SLU 19	2266	11971	68363	8336	11971	1	Si
102	0.107	19.01	0	1029	SLU 19	1029	11971	68363	12433	12433	1	Si
119	0.107	19.01	0	410	SLU 19	410	11971	68363	12433	12433	1	Si
119	0.107	19.01	0	-330	SLU 14	-330	-11971	-68363	-12433	-12433	1	Si
153	0.107	19.01	0	-1521	SLU 36	-1521	-11971	-68363	-12433	-12433	1	Si
187	0.107	18.98	0	-2888	SLU 36	-2888	-11966	-68363	-12433	-12433	1	Si
221	0.107	15.21	0	-4254	SLU 36	-4254	-11113	-68363	-12433	-12433	1	Si
256	0.107	15.21	0	-5620	SLU 36	-5620	-11113	-68363	-12433	-12433	1	Si
290	0.107	15.18	0	-6987	SLU 36	-6987	-11107	-68363	-12433	-12433	1	Si
324	0.107	12.91	0	-8353	SLU 36	-8353	-10524	-68363	-12433	-12433	1	Si
358	0.107	15.21	0	-9719	SLU 36	-9719	-11113	-68363	-12433	-12433	1	Si
392	0.107	15.21	0	-11086	SLU 36	-11086	-11113	-68363	-12433	-12433	1	Si
409	0.107	13.88	0	-11769	SLU 36	-11769	-10780	-68363	-12433	-12433	1	Si
443	0.129	7.6	0	-13135	SLU 36	-13135	-8821	-68363	-15005	-15005	1	Si
477	0.129	11.28	0	-14501	SLU 36	-14501	-10061	-68363	-15005	-15005	1	Si
484	0.129	12.89	0	-14765	SLU 36	-14765	-10517	-68363	-15005	-15005	1	Si
511	0	14.49	0	-15836	SLU 36	-15836	-10937	-68363	0	-10937	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	6941	SLV 1	7808	11971	68363	0	11971	1	Si
0	0	19.01	0	272	SLV 15	-595	-11971	-68363	0	-11971	1	Si
15	0.072	19.01	0	6509	SLV 1	7376	11971	68363	8336	11971	1	Si
15	0.072	19.01	0	-161	SLV 15	-1028	-11971	-68363	-8336	-11971	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
34	0.072	19.01	0	5959	SLV 1	6826	11971	68363	8336	11971	1	Si
34	0.072	19.01	0	-710	SLV 15	-1577	-11971	-68363	-8336	-11971	1	Si
68	0.072	19.01	0	4977	SLV 1	5844	11971	68363	8336	11971	1	Si
68	0.072	19.01	0	-1693	SLV 15	-2560	-11971	-68363	-8336	-11971	1	Si
102	0.107	19.01	0	3995	SLV 1	4862	11971	68363	12433	12433	1	Si
102	0.107	19.01	0	-2675	SLV 15	-3542	-11971	-68363	-12433	-12433	1	Si
119	0.107	19.01	0	3504	SLV 1	4371	11971	68363	12433	12433	1	Si
119	0.107	19.01	0	-3166	SLV 15	-4033	-11971	-68363	-12433	-12433	1	Si
153	0.107	19.01	0	2521	SLV 1	3388	11971	68363	12433	12433	1	Si
153	0.107	19.01	0	-4148	SLV 15	-5015	-11971	-68363	-12433	-12433	1	Si
187	0.107	18.98	0	1539	SLV 1	2406	11966	68363	12433	12433	1	Si
187	0.107	18.98	0	-5130	SLV 15	-5997	-11966	-68363	-12433	-12433	1	Si
221	0.107	15.21	0	557	SLV 1	1424	11113	68363	12433	12433	1	Si
221	0.107	15.21	0	-6112	SLV 15	-6979	-11113	-68363	-12433	-12433	1	Si
256	0.107	15.21	0	-425	SLV 1	442	11113	68363	12433	12433	1	Si
256	0.107	15.21	0	-7094	SLV 15	-7961	-11113	-68363	-12433	-12433	1	Si
290	0.107	15.18	0	-8077	SLV 15	-8944	-11107	-68363	-12433	-12433	1	Si
324	0.107	12.91	0	-9059	SLV 15	-9926	-10524	-68363	-12433	-12433	1	Si
358	0.107	7.6	0	-10041	SLV 15	-10908	-8821	-68363	-12433	-12433	1	Si
392	0.107	7.6	0	-11023	SLV 15	-11890	-8821	-68363	-12433	-12433	1	Si
409	0.107	7.6	0	-11514	SLV 15	-12381	-8821	-68363	-12433	-12433	1	Si
443	0.129	7.6	0	-12496	SLV 15	-13363	-8821	-68363	-15005	-15005	1	Si
477	0.129	11.28	0	-13478	SLV 15	-14346	-10061	-68363	-15005	-15005	1	Si
484	0.129	12.89	0	-13668	SLV 15	-14535	-10517	-68363	-15005	-15005	1	Si
494	0	12.89	0	-13970	SLV 15	-14837	-10517	-68363	0	-10517	1	Si
511	0	14.49	0	-14439	SLV 15	-15306	-10937	-68363	0	-10937	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	5082	SLD 1	5082	11971	68363	0	11971	1	Si
15	0.072	19.01	0	4649	SLD 1	4649	11971	68363	8336	11971	1	Si
34	0.072	19.01	0	4099	SLD 1	4099	11971	68363	8336	11971	1	Si
68	0.072	19.01	0	3117	SLD 1	3117	11971	68363	8336	11971	1	Si
102	0.107	19.01	0	2135	SLD 1	2135	11971	68363	12433	12433	1	Si
102	0.107	19.01	0	-815	SLD 15	-815	-11971	-68363	-12433	-12433	1	Si
119	0.107	19.01	0	1644	SLD 1	1644	11971	68363	12433	12433	1	Si
119	0.107	19.01	0	-1306	SLD 15	-1306	-11971	-68363	-12433	-12433	1	Si
153	0.107	19.01	0	662	SLD 1	662	11971	68363	12433	12433	1	Si
153	0.107	19.01	0	-2288	SLD 15	-2288	-11971	-68363	-12433	-12433	1	Si
187	0.107	18.98	0	-3270	SLD 15	-3270	-11966	-68363	-12433	-12433	1	Si
221	0.107	15.21	0	-4253	SLD 15	-4253	-11113	-68363	-12433	-12433	1	Si
256	0.107	15.21	0	-5235	SLD 15	-5235	-11113	-68363	-12433	-12433	1	Si
290	0.107	15.18	0	-6217	SLD 15	-6217	-11107	-68363	-12433	-12433	1	Si
324	0.107	12.91	0	-7199	SLD 15	-7199	-10524	-68363	-12433	-12433	1	Si
358	0.107	15.21	0	-8181	SLD 15	-8181	-11113	-68363	-12433	-12433	1	Si
392	0.107	7.6	0	-9163	SLD 15	-9163	-8821	-68363	-12433	-12433	1	Si
409	0.107	7.6	0	-9655	SLD 15	-9655	-8821	-68363	-12433	-12433	1	Si
443	0.129	7.6	0	-10637	SLD 15	-10637	-8821	-68363	-15005	-15005	1	Si
477	0.129	11.28	0	-11619	SLD 15	-11619	-10061	-68363	-15005	-15005	1	Si
484	0.129	12.89	0	-11808	SLD 15	-11808	-10517	-68363	-15005	-15005	1	Si
494	0	12.89	0	-12110	SLD 15	-12110	-10517	-68363	0	-10517	1	Si
511	0	14.49	0	-12579	SLD 15	-12579	-10937	-68363	0	-10937	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	1346091	9	1346091	39.3	124.5	1220	1837	1175549	2	1175549	34.3	93.4	0	+∞	Si
15	1396600	8	1475469	43.1	124.5	1337.3	1837	1226683	1	1307665	38.2	93.4	0	+∞	Si
34	1452079	8	1513860	45.3	124.5	1374.9	1837	1283370	1	1348078	40.3	93.4	0	+∞	Si
68	1522973	8	1554772	50.5	124.5	1423.7	1837	1357767	1	1393924	45.3	93.4	0	+∞	Si
102	1558730	8	1563432	50.8	124.5	1431.7	1837	1398703	1	1406623	45.7	93.4	0	+∞	Si
119	1563432	8	1563432	50.8	124.5	1431.7	1837	1406623	1	1406623	45.7	93.4	0	+∞	Si
153	1546483	8	1562234	50.8	124.5	1430.6	1837	1397367	1	1406492	45.7	93.4	0	+∞	Si
187	1494397	8	1540129	50.1	124.5	1410.3	1837	1354649	1	1392326	45.3	93.4	0	+∞	Si
221	1407175	8	1482888	48.2	124.5	1357.9	1837	1278471	1	1344699	43.7	93.4	0	+∞	Si
256	1284815	8	1390510	45.2	124.5	1275	1837	1168831	1	1263611	41.1	93.4	0	+∞	Si
290	1127318	8	1262994	44.2	124.5	1431.4	1837	1025730	1	1149061	40.2	93.4	0	+∞	Si
324	934684	8	1100342	38.5	124.5	1247.1	1837	849167	1	1001050	35	93.4	0	+∞	Si
358	706914	8	902553	31.6	124.5	1024.6	1837	639144	1	819578	28.7	93.4	0	+∞	Si
392	444006	8	669626	24.8	124.5	887.8	1837	395659	1	604645	22.4	93.4	0	+∞	Si
409	299376	8	539987	18.4	124.5	656.9	1837	261368	1	484630	16.5	93.4	0	+∞	Si
443	-69519	2	-349875	11.7	124.5	413	1837	-54635	2	-334012	11.1	93.4	0	+∞	Si
477	-399524	2	-468465	15	124.5	527	1837	-383493	2	-451740	14.4	93.4	0	+∞	Si
484	-468465	3	-468465	14.7	124.5	526.4	1837	-451740	2	-451740	14.2	93.4	0	+∞	Si
511	-782925	9	-620335	19.5	124.5	697	1837	-745801	2	-593821	18.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.015	0.013	0.02	0.015	0.014	0.013	0.016	0.016	0.013	0.013	0.039	1	0.039	1	9999	Si
34	0.033	0.029	0.043	0.034	0.03	0.029	0.035	0.034	0.029	0.029	0.085	1	0.084	1	5998	Si
68	0.06	0.053	0.08	0.063	0.055	0.054	0.066	0.063	0.054	0.054	0.158	1	0.156	1	3241	Si
102	0.082	0.073	0.108	0.085	0.075	0.073	0.089	0.086	0.074	0.073	0.216	1	0.213	1	2370	Si
119	0.091	0.081	0.12	0.094	0.083	0.081	0.099	0.095	0.082	0.082	0.239	1	0.236	1	2140	Si
153	0.105	0.093	0.136	0.108	0.096	0.094	0.113	0.108	0.095	0.094	0.274	1	0.271	1	1867	Si
187	0.113	0.1	0.145	0.114	0.103	0.101	0.12	0.115	0.102	0.101	0.293	1	0.29	1	1743	Si
221	0.116	0.103	0.146	0.115	0.106	0.103	0.121	0.116	0.105	0.103	0.298	1	0.294	1	1715	Si
256	0.113	0.101	0.141	0.111	0.104	0.101	0.117	0.112	0.103	0.101	0.289	1	0.285	1	1766	Si
290	0.107	0.094	0.13	0.102	0.097	0.095	0.108	0.104	0.096	0.095	0.268	1	0.264	1	1903	Si
324	0.096	0.084	0.115	0.091	0.087	0.085	0.096	0.092	0.087	0.085	0.238	1	0.234	1	2150	Si
358	0.081	0.072	0.096	0.076	0.074	0.072	0.081	0.077	0.074	0.072	0.2	1	0.197	1	2553	Si
392	0.065	0.056	0.076	0.06	0.059	0.057	0.064	0.061	0.058	0.057	0.158	1	0.155	1	3238	Si
409	0.055	0.048	0.065	0.051	0.05	0.049	0.055	0.052	0.05	0.049	0.135	1	0.133	1	3776	Si
443	0.036	0.032	0.043	0.034	0.033	0.032	0.036	0.034	0.033	0.032	0.089	1	0.087	1	5729	Si
477	0.017	0.015	0.021	0.016	0.016	0.015	0.017	0.016	0.016	0.015	0.043	1	0.042	1	9999	Si
484	0.014	0.012	0.017	0.013	0.013	0.012	0.014	0.013	0.012	0.012	0.035	1	0.034	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	3174	4202	11971	SLV 1	0.57	2474	1.666	1225963	673127	2314940	SLV 11	0.57	2474	1.666	Si
34	2624	4202	11971	SLV 1	0.57	2474	1.666	1322208	591791	2315051	SLV 11	0.57	2474	1.666	Si
68	1642	4202	11971	SLV 1	0.57	2474	1.666	1322208	591791	2315301	SLV 11	0.57	2474	1.666	Si
102	660	4202	12433	SLV 1	0.57	2474	1.666	1361345	547690	2315301	SLV 7	0.57	2474	1.666	Si
119	169	4202	12433	SLV 1	0.57	2474	1.666	1382681	519079	2315301	SLV 7	0.57	2474	1.666	Si
153	-813	-4202	-12433	SLV 15	0.57	2474	1.666	1400256	478897	2315301	SLV 7	0.57	2474	1.666	Si
187	-1795	-4202	-12433	SLV 15	0.57	2474	1.666	1384370	450295	2315301	SLV 7	0.57	2474	1.666	Si
221	-2778	-4202	-12433	SLV 15	0.57	2474	1.666	1173533	550519	2315301	SLV 3	0.57	2474	1.666	Si
256	-3760	-4202	-12433	SLV 15	0.57	2474	1.666	1033622	631173	2312218	SLV 3	0.57	2474	1.666	Si
290	-4742	-4202	-12433	SLV 15	0.57	2474	1.666	1135944	574062	1865528	SLV 3	0.46	1307	1.283	Si
324	-5724	-4202	-12433	SLV 15	0.57	2403	1.647	986213	655071	1865528	SLV 3	0.48	1510	1.361	Si
358	-6706	-4202	-12433	SLV 15	0.49	1574	1.384	803020	737452	1862430	SLV 3	0.51	1811	1.466	Si
392	-7688	-4202	-12433	SLV 15	0.41	957	1.129	139362	-984420	-963494	SLV 15	0.41	939	1.12	Si
409	-8179	-4202	-12433	SLV 15	0.37	733	1.012	-10064	-1037222	-1399894	SLV 15	0.48	1503	1.358	Si
443	-9162	-4202	-15005	SLV 15	0.5	1661	1.415	-334012	-1146439	-1780703	SLV 15	0.45	1282	1.273	Si
477	-10144	-4202	-15005	SLV 15	0.42	1019	1.158	-451740	-1184103	-1864841	SLV 15	0.43	1106	1.198	Si
484	-10333	-4202	-15005	SLV 15	0.4	922	1.112	-451740	-1184103	-1864772	SLV 15	0.43	1106	1.198	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	3174	1475	11971	SLD 1	0.6	2474	4.193	1225963	297825	2314940	SLD 11	0.49	1551	3.462	Si
34	2624	1475	11971	SLD 1	0.6	2474	4.193	1225963	297825	2315051	SLD 11	0.49	1551	3.462	Si
68	1642	1475	11971	SLD 1	0.6	2474	4.193	1293578	273613	2315301	SLD 11	0.5	1641	3.543	Si
102	660	1475	12433	SLD 1	0.6	2474	4.193	1361345	242331	2315301	SLD 7	0.52	1890	3.755	Si
119	169	1475	12433	SLD 1	0.6	2474	4.193	1393579	222147	2315301	SLD 7	0.55	2176	3.978	Si
153	-813	-1475	-12433	SLD 15	0.6	2474	4.193	1400256	211889	2315301	SLD 7	0.57	2421	4.156	Si
187	-1795	-1475	-12433	SLD 15	0.6	2474	4.193	1384370	199226	2315301	SLD 7	0.6	2474	4.193	Si
221	-2778	-1475	-12433	SLD 15	0.6	2474	4.193	1173533	243514	2315301	SLD 3	0.6	2474	4.193	Si
256	-3760	-1475	-12433	SLD 15	0.6	2474	4.193	1033622	279184	2312218	SLD 3	0.6	2474	4.193	Si
290	-4742	-1475	-12433	SLD 15	0.6	2474	4.193	1135944	253926	1865528	SLD 3	0.39	827	2.675	Si
324	-5724	-1475	-12433	SLD 15	0.6	2474	4.193	986213	289753	1865528	SLD 3	0.41	946	2.827	Si
358	-6706	-1475	-12433	SLD 15	0.51	1822	3.699	803020	326187	1862430	SLD 3	0.43	1134	3.045	Si
392	-7688	-1475	-12433	SLD 15	0.43	1104	3.012	139362	-435422	-963494	SLD 15	0.34	609	2.36	Si
409	-8179	-1475	-12433	SLD 15	0.39	835	2.686	-10064	-458779	-1399894	SLD 15	0.41	942	2.822	Si
443	-9162	-1475	-15005	SLD 15	0.52	1922	3.781	-334012	-507090	-1780703	SLD 15	0.38	814	2.658	Si
477	-10144	-1475	-15005	SLD 15	0.44	1177	3.092	-451740	-523750	-1864841	SLD 15	0.36	710	2.513	Si
484	-10333	-1475	-15005	SLD 15	0.42	1059	2.961	-451740	-523750	-1864772	SLD 15	0.36	710	2.513	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 70-36C

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 70 - 67, sezione R 40x70, asta 1118

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4						-101796	SLU 20	-93007	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4	4413	SLU 17	7937	1414397	0.086	-86506	SLU 20	-86506	-1414397	0.086	Si
41	11.4	5.4	10.77	5.4	7639	SLU 17	8017	1339648	0.085	-74555	SLU 20	-86506	-1414417	0.086	Si
61	10.5	5.4	9.39	5.4	7615	SLU 17	8017	1175858	0.082	-67014	SLU 20	-78978	-1306989	0.084	Si
82	9.53	5.4	7.6	5.4	4474	SLU 17	7951	963192	0.079	-63526	SLU 20	-69743	-1192231	0.082	Si
92	7.6	5.4	7.6	5.4	1734	SLU 17	7422	962923	0.078	-63303	SLU 20	-68249	-962923	0.078	Si
113	7.6	5.4	7.6	5.4	-6085	SLU 17	4025	962923	0.078	-65895	SLU 20	-76589	-962923	0.078	Si
133	7.6	5.4	7.6	5.4						-72540	SLU 20	-88982	-962923	0.078	Si
154	7.6	5.4	7.6	5.4						-83238	SLU 20	-105428	-962923	0.078	Si
174	7.6	5.4	7.6	5.4						-97990	SLU 20	-125927	-962923	0.078	Si
195	7.6	5.4	7.6	5.4						-116795	SLU 20	-151497	-962923	0.078	Si
215	7.6	5.4	7.6	5.4						-139792	SLU 29	-182760	-962923	0.078	Si
236	10.02	5.4	7.6	5.4						-168851	SLU 30	-218738	-1249634	0.083	Si
246	10.5	5.4	7.6	5.4						-185486	SLU 30	-238247	-1307025	0.084	Si
266	11.4	5.4	7.6	5.4						-221797	SLU 30	-263593	-1414576	0.086	Si
287	11.4	5.4	7.6	5.4						-263593	SLU 36	-263593	-1414576	0.086	Si
307	11.4	5.4	7.6	5.4						-309040	SLU 36	-284740	-1414576	0.086	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	1050851	SLV 11	1003783	1414397	0.086	-1174989	SLV 5	-1115408	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4	957619	SLV 11	957619	1414397	0.086	-1060195	SLV 5	-1060195	-1414397	0.086	Si
41	11.4	5.4	10.77	5.4	856630	SLV 11	957619	1339648	0.085	-942880	SLV 5	-1060195	-1414417	0.086	Si
61	10.5	5.4	9.39	5.4	754950	SLV 11	898185	1175858	0.082	-831610	SLV 5	-990399	-1306989	0.084	Si
72	10.02	5.4	7.6	5.4	702976	SLV 11	848359	963245	0.079	-777179	SLV 5	-933695	-1249634	0.083	Si
82	9.53	5.4	7.6	5.4	650252	SLV 11	797774	963192	0.079	-723556	SLV 5	-877791	-1192231	0.082	Si
92	7.6	5.4	7.6	5.4	596780	SLV 11	746431	962923	0.078	-670746	SLV 5	-822688	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
113	7.6	5.4	7.6	5.4	487619	SLV 11	641488	962923	0.078	-567584	SLV 5	-714901	-962923	0.078	Si
133	7.6	5.4	7.6	5.4	375556	SLV 11	533561	962923	0.078	-467755	SLV 5	-610366	-962923	0.078	Si
154	7.6	5.4	7.6	5.4	260701	SLV 11	422703	962923	0.078	-371370	SLV 5	-509135	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	143318	SLV 11	308999	962923	0.078	-278693	SLV 5	-411295	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	27837	SLV 15	192629	962923	0.078	-194153	SLV 1	-317023	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	-11600	SLV 13	74217	962923	0.078	-191893	SLV 3	-327727	-962923	0.078	Si
236	10.02	5.4	7.6	5.4	28700	SLV 9	136389	963245	0.079	-275605	SLV 7	-455654	-1249634	0.083	Si
246	10.5	5.4	7.6	5.4	66994	SLV 9	173518	963294	0.079	-337944	SLV 7	-521248	-1307025	0.084	Si
266	11.4	5.4	7.6	5.4	142544	SLV 9	217849	963377	0.08	-466261	SLV 7	-602120	-1414576	0.086	Si
287	11.4	5.4	7.6	5.4	217849	SLV 9	217849	963377	0.08	-602120	SLV 7	-602120	-1414576	0.086	Si
307	11.4	5.4	7.6	5.4	287391	SLV 9	249787	963377	0.08	-735347	SLV 7	-663565	-1414576	0.086	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	430099	SLD 11	412778	1414397	0.086	-554237	SLD 5	-524402	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4	394890	SLD 11	394890	1414397	0.086	-497466	SLD 5	-497466	-1414397	0.086	Si
41	11.4	5.4	10.77	5.4	354791	SLD 11	394890	1339648	0.085	-441041	SLD 5	-497466	-1414417	0.086	Si
61	10.5	5.4	9.39	5.4	312507	SLD 11	371501	1175858	0.082	-389167	SLD 5	-463715	-1306989	0.084	Si
82	9.53	5.4	7.6	5.4	267149	SLD 11	330506	963192	0.079	-340454	SLD 5	-410523	-1192231	0.082	Si
92	7.6	5.4	7.6	5.4	243322	SLD 11	308853	962923	0.078	-317288	SLD 5	-385110	-962923	0.078	Si
113	7.6	5.4	7.6	5.4	193381	SLD 11	263244	962923	0.078	-273346	SLD 5	-336657	-962923	0.078	Si
133	7.6	5.4	7.6	5.4	140417	SLD 11	214577	962923	0.078	-232616	SLD 5	-291382	-962923	0.078	Si
154	7.6	5.4	7.6	5.4	84477	SLD 11	162873	962923	0.078	-195146	SLD 5	-249305	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	25674	SLD 11	108170	962923	0.078	-161049	SLD 5	-210466	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	-34058	SLD 15	50545	962923	0.078	-132258	SLD 1	-174940	-962923	0.078	Si
215	7.6	5.4	7.6	5.4						-141572	SLD 3	-219291	-962923	0.078	Si
236	10.02	5.4	7.6	5.4						-190627	SLD 7	-290443	-1249634	0.083	Si
246	10.5	5.4	7.6	5.4						-224910	SLD 7	-327389	-1307025	0.084	Si
266	11.4	5.4	7.6	5.4						-296375	SLD 7	-373341	-1414576	0.086	Si
287	11.4	5.4	7.6	5.4						-373341	SLD 7	-373341	-1414576	0.086	Si
307	11.4	5.4	7.6	5.4	2056	SLD 9	2056	963377	0.08	-450012	SLD 7	-408744	-1414576	0.086	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.5	0	857	SLU 19	857	9822	68363	0	9822	1	Si
20	0.06	9.53	0	669	SLU 19	669	9511	68363	6981	9511	1	Si
41	0.06	7.6	0	473	SLU 19	473	8821	68363	6981	8821	1	Si
61	0.06	7.6	0	281	SLU 19	281	8821	68363	6981	8821	1	Si
61	0.06	7.6	0	-88	SLU 18	-88	-8821	-68363	-6981	-8821	1	Si
82	0.06	7.6	0	88	SLU 19	88	8821	68363	6981	8821	1	Si
82	0.06	7.6	0	-236	SLU 18	-236	-8821	-68363	-6981	-8821	1	Si
92	0.06	7.6	0	-310	SLU 18	-310	-8821	-68363	-6981	-8821	1	Si
113	0.06	7.6	0	-478	SLU 36	-478	-8821	-68363	-6981	-8821	1	Si
133	0.06	7.6	0	-670	SLU 36	-670	-8821	-68363	-6981	-8821	1	Si
154	0.06	7.6	0	-862	SLU 36	-862	-8821	-68363	-6981	-8821	1	Si
174	0.06	7.6	0	-1054	SLU 36	-1054	-8821	-68363	-6981	-8821	1	Si
195	0.06	7.6	0	-1246	SLU 36	-1246	-8821	-68363	-6981	-8821	1	Si
215	0.06	7.6	0	-1438	SLU 36	-1438	-8821	-68363	-6981	-8821	1	Si
236	0.06	7.6	0	-1630	SLU 36	-1630	-8821	-68363	-6981	-8821	1	Si
246	0.06	7.6	0	-1726	SLU 36	-1726	-8821	-68363	-6981	-8821	1	Si
266	0.06	7.6	0	-1918	SLU 36	-1918	-8821	-68363	-6981	-8821	1	Si
287	0.06	9.53	0	-2115	SLU 36	-2115	-9511	-68363	-6981	-9511	1	Si
307	0	10.5	0	-2302	SLU 36	-2302	-9822	-68363	0	-9822	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.5	0	5665	SLV 5	6983	9822	68363	0	9822	1	Si
0	0	9.39	0	-4472	SLV 11	-5790	-9465	-68363	0	-9465	1	Si
20	0.06	9.53	0	5521	SLV 5	6839	9511	68363	6981	9511	1	Si
20	0.06	7.6	0	-4616	SLV 11	-5934	-8821	-68363	-6981	-8821	1	Si
41	0.06	7.6	0	5370	SLV 5	6688	8821	68363	6981	8821	1	Si
41	0.06	7.6	0	-4768	SLV 11	-6086	-8821	-68363	-6981	-8821	1	Si
61	0.06	7.6	0	5222	SLV 5	6540	8821	68363	6981	8821	1	Si
61	0.06	7.6	0	-4916	SLV 11	-6233	-8821	-68363	-6981	-8821	1	Si
82	0.06	7.6	0	5074	SLV 5	6392	8821	68363	6981	8821	1	Si
82	0.06	7.6	0	-5063	SLV 11	-6381	-8821	-68363	-6981	-8821	1	Si
92	0.06	7.6	0	5001	SLV 5	6319	8821	68363	6981	8821	1	Si
92	0.06	7.6	0	-5137	SLV 11	-6455	-8821	-68363	-6981	-8821	1	Si
113	0.06	7.6	0	4853	SLV 5	6171	8821	68363	6981	8821	1	Si
113	0.06	7.6	0	-5285	SLV 11	-6603	-8821	-68363	-6981	-8821	1	Si
133	0.06	7.6	0	4705	SLV 5	6023	8821	68363	6981	8821	1	Si
133	0.06	7.6	0	-5433	SLV 11	-6750	-8821	-68363	-6981	-8821	1	Si
154	0.06	7.6	0	4557	SLV 5	5875	8821	68363	6981	8821	1	Si
154	0.06	7.6	0	-5580	SLV 11	-6898	-8821	-68363	-6981	-8821	1	Si
174	0.06	7.6	0	4410	SLV 5	5728	8821	68363	6981	8821	1	Si
174	0.06	7.6	0	-5728	SLV 11	-7046	-8821	-68363	-6981	-8821	1	Si
195	0.06	7.6	0	4262	SLV 5	5580	8821	68363	6981	8821	1	Si
195	0.06	7.6	0	-5876	SLV 11	-7194	-8821	-68363	-6981	-8821	1	Si
215	0.06	7.6	0	4114	SLV 5	5432	8821	68363	6981	8821	1	Si
215	0.06	7.6	0	-6024	SLV 11	-7341	-8821	-68363	-6981	-8821	1	Si
236	0.06	7.6	0	3966	SLV 5	5284	8821	68363	6981	8821	1	Si
236	0.06	7.6	0	-6171	SLV 11	-7489	-8821	-68363	-6981	-8821	1	Si
246	0.06	7.6	0	3893	SLV 5	5211	8821	68363	6981	8821	1	Si
246	0.06	7.6	0	-6245	SLV 11	-7563	-8821	-68363	-6981	-8821	1	Si
266	0.06	7.6	0	3745	SLV 5	5063	8821	68363	6981	8821	1	Si
266	0.06	7.6	0	-6393	SLV 11	-7711	-8821	-68363	-6981	-8821	1	Si
277	0.06	7.6	0	3671	SLV 5	4989	8821	68363	6981	8821	1	Si
277	0.06	7.6	0	-6467	SLV 11	-7785	-8821	-68363	-6981	-8821	1	Si
287	0.06	7.6	0	3594	SLV 5	4911	8821	68363	6981	8821	1	Si
287	0.06	9.53	0	-6544	SLV 11	-7862	-9511	-68363	-6981	-9511	1	Si
307	0	7.6	0	3449	SLV 5	4767	8821	68363	0	8821	1	Si
307	0	10.5	0	-6688	SLV 11	-8006	-9822	-68363	0	-9822	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.5	0	2838	SLD 5	2838	9822	68363	0	9822	1	Si
0	0	9.39	0	-1645	SLD 11	-1645	-9465	-68363	0	-9465	1	Si
20	0.06	9.53	0	2694	SLD 5	2694	9511	68363	6981	9511	1	Si
20	0.06	7.6	0	-1789	SLD 11	-1789	-8821	-68363	-6981	-8821	1	Si
41	0.06	7.6	0	2542	SLD 5	2542	8821	68363	6981	8821	1	Si
41	0.06	7.6	0	-1940	SLD 11	-1940	-8821	-68363	-6981	-8821	1	Si
61	0.06	7.6	0	2395	SLD 5	2395	8821	68363	6981	8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
61	0.06	7.6	0	-2088	SLD 11	-2088	-8821	-68363	-6981	-8821	1	Si
82	0.06	7.6	0	2247	SLD 5	2247	8821	68363	6981	8821	1	Si
82	0.06	7.6	0	-2236	SLD 11	-2236	-8821	-68363	-6981	-8821	1	Si
92	0.06	7.6	0	2173	SLD 5	2173	8821	68363	6981	8821	1	Si
92	0.06	7.6	0	-2309	SLD 11	-2309	-8821	-68363	-6981	-8821	1	Si
113	0.06	7.6	0	2025	SLD 5	2025	8821	68363	6981	8821	1	Si
113	0.06	7.6	0	-2457	SLD 11	-2457	-8821	-68363	-6981	-8821	1	Si
133	0.06	7.6	0	1877	SLD 5	1877	8821	68363	6981	8821	1	Si
133	0.06	7.6	0	-2605	SLD 11	-2605	-8821	-68363	-6981	-8821	1	Si
154	0.06	7.6	0	1730	SLD 5	1730	8821	68363	6981	8821	1	Si
154	0.06	7.6	0	-2753	SLD 11	-2753	-8821	-68363	-6981	-8821	1	Si
174	0.06	7.6	0	1582	SLD 5	1582	8821	68363	6981	8821	1	Si
174	0.06	7.6	0	-2900	SLD 11	-2900	-8821	-68363	-6981	-8821	1	Si
195	0.06	7.6	0	1434	SLD 5	1434	8821	68363	6981	8821	1	Si
195	0.06	7.6	0	-3048	SLD 11	-3048	-8821	-68363	-6981	-8821	1	Si
215	0.06	7.6	0	1287	SLD 5	1287	8821	68363	6981	8821	1	Si
215	0.06	7.6	0	-3196	SLD 11	-3196	-8821	-68363	-6981	-8821	1	Si
236	0.06	7.6	0	1139	SLD 5	1139	8821	68363	6981	8821	1	Si
236	0.06	7.6	0	-3344	SLD 11	-3344	-8821	-68363	-6981	-8821	1	Si
246	0.06	7.6	0	1065	SLD 5	1065	8821	68363	6981	8821	1	Si
246	0.06	7.6	0	-3417	SLD 11	-3417	-8821	-68363	-6981	-8821	1	Si
266	0.06	7.6	0	917	SLD 5	917	8821	68363	6981	8821	1	Si
266	0.06	7.6	0	-3565	SLD 11	-3565	-8821	-68363	-6981	-8821	1	Si
277	0.06	7.6	0	843	SLD 5	843	8821	68363	6981	8821	1	Si
277	0.06	7.6	0	-3639	SLD 11	-3639	-8821	-68363	-6981	-8821	1	Si
287	0.06	9.53	0	766	SLD 5	766	9511	68363	6981	9511	1	Si
287	0.06	9.53	0	-3717	SLD 11	-3717	-9511	-68363	-6981	-9511	1	Si
307	0	10.5	0	622	SLD 5	622	9822	68363	0	9822	1	Si
307	0	10.5	0	-3861	SLD 11	-3861	-9822	-68363	0	-9822	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-65088	2	-58886	2.1	124.5	87.7	1837	-62069	2	-55812	2	93.4	0	+∞	Si
20	-54413	2	-54413	2	124.5	81	1837	-51288	2	-51288	1.9	93.4	0	+∞	Si
41	-46361	2	-54413	2	124.5	81	1837	-43125	2	-51288	1.9	93.4	0	+∞	Si
61	-41674	2	-49298	1.9	124.5	79.6	1837	-38330	2	-46107	1.8	93.4	0	+∞	Si
82	-40105	2	-43308	1.8	124.5	76.9	1837	-36652	2	-40009	1.6	93.4	0	+∞	Si
92	-40490	2	-45874	1.2	124.5	17.9	1837	-36983	2	-42214	1.9	93.4	0	+∞	Si
113	-43597	2	-53403	1.4	124.5	20.9	1837	-39982	2	-49634	2.2	93.4	0	+∞	Si
133	-49823	2	-64049	1.7	124.5	25	1837	-46099	2	-60173	2.7	93.4	0	+∞	Si
154	-59166	2	-77814	2	124.5	30.4	1837	-55334	2	-73829	3.3	93.4	0	+∞	Si
174	-71627	2	-94696	2.5	124.5	37	1837	-67687	2	-90603	4.1	93.4	0	+∞	Si
195	-87206	2	-114697	3	124.5	44.8	1837	-83158	2	-110495	5	93.4	0	+∞	Si
215	-105903	2	-138184	3.6	124.5	54	1837	-101746	2	-133505	6	93.4	0	+∞	Si
236	-127748	3	-165231	6.7	124.5	279.8	1837	-123453	2	-159632	6.5	93.4	0	+∞	Si
246	-140230	3	-179924	7.2	124.5	291.1	1837	-135475	2	-173865	6.9	93.4	0	+∞	Si
266	-167532	3	-199001	7.7	124.5	297.3	1837	-161858	2	-192136	7.4	93.4	0	+∞	Si
287	-199001	9	-199001	7.7	124.5	297.3	1837	-192136	2	-192136	7.4	93.4	0	+∞	Si
307	-233132	9	-214866	8.3	124.5	321	1837	-223978	2	-206889	8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	0	-0.001	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
41	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
61	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
82	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.004	1	-0.004	1	9999	Si
92	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
113	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
133	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
154	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
174	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
184	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.006	1	-0.006	1	9999	Si
195	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.006	1	-0.006	1	9999	Si
215	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
236	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
246	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
266	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.004	1	-0.004	1	9999	Si
287	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	452	6387	9511	SLV 5	0.51	1749	1.446	-51288	-1008907	-1414397	SLV 5	0.48	1537	1.371	Si
41	301	6387	8821	SLV 5	0.48	1485	1.352	-51288	-1008907	-1414417	SLV 5	0.48	1537	1.371	Si
61	153	6387	8821	SLV 5	0.49	1555	1.378	-46107	944292	1175858	SLV 11	0.47	1370	1.308	Si
82	6	6387	8821	SLV 5	0.49	1627	1.403	-40009	837782	963192	SLV 11	0.43	1116	1.202	Si
92	-68	-6387	-8821	SLV 11	0.49	1596	1.392	-38128	-784560	-962923	SLV 5	0.43	1071	1.182	Si
113	-216	-6387	-8821	SLV 11	0.48	1525	1.367	-36707	-678194	-962923	SLV 5	0.49	1582	1.387	Si
133	-364	-6387	-8821	SLV 11	0.48	1456	1.341	-38402	-571964	-962923	SLV 5	0.57	2474	1.666	Si
154	-511	-6387	-8821	SLV 11	0.47	1390	1.316	-43216	-465919	-962923	SLV 5	0.57	2474	1.666	Si
174	-659	-6387	-8821	SLV 11	0.46	1326	1.29	-51148	-360147	-962923	SLV 5	0.57	2474	1.666	Si
195	-807	-6387	-8821	SLV 11	0.45	1263	1.265	-62197	-254826	-962923	SLV 5	0.57	2474	1.666	Si
215	-955	-6387	-8821	SLV 11	0.44	1202	1.239	-133505	-194222	-962923	SLV 7	0.57	2474	1.666	Si
236	-1102	-6387	-8821	SLV 11	0.44	1143	1.214	-159632	-296022	-1249634	SLV 7	0.57	2474	1.666	Si
246	-1176	-6387	-8821	SLV 11	0.43	1115	1.202	-173865	-347383	-1307025	SLV 7	0.57	2474	1.666	Si
266	-1324	-6387	-8821	SLV 11	0.42	1059	1.177	-192136	409985	963377	SLV 9	0.57	2474	1.666	Si
287	-1475	-6387	-9511	SLV 11	0.45	1272	1.269	-192136	409985	963377	SLV 9	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	452	2241	9511	SLD 5	0.53	2029	3.866	-51288	-446178	-1414397	SLD 5	0.41	962	2.847	Si
41	301	2241	8821	SLD 5	0.5	1721	3.613	-51288	-446178	-1414417	SLD 5	0.41	962	2.847	Si
61	153	2241	8821	SLD 5	0.51	1802	3.682	-46107	417608	1175858	SLD 11	0.39	865	2.725	Si
82	6	2241	8821	SLD 5	0.52	1885	3.751	-40009	370514	963192	SLD 11	0.36	716	2.522	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
92	-68	-2241	-8821	SLD 11	0.52	1850	3.722	-38128	-346981	-962923	SLD 5	0.36	689	2.483	Si
113	-216	-2241	-8821	SLD 11	0.51	1768	3.653	-36707	-299951	-962923	SLD 5	0.41	988	2.878	Si
133	-364	-2241	-8821	SLD 11	0.5	1688	3.585	-38402	-252979	-962923	SLD 5	0.49	1549	3.461	Si
154	-511	-2241	-8821	SLD 11	0.49	1610	3.516	-43216	-206089	-962923	SLD 5	0.59	2474	4.193	Si
174	-659	-2241	-8821	SLD 11	0.48	1535	3.448	-51148	-159318	-962923	SLD 5	0.6	2474	4.193	Si
195	-807	-2241	-8821	SLD 11	0.48	1461	3.379	-62197	-112742	-962923	SLD 5	0.6	2474	4.193	Si
215	-955	-2241	-8821	SLD 11	0.47	1391	3.311	-133505	-85786	-962923	SLD 7	0.6	2474	4.193	Si
236	-1102	-2241	-8821	SLD 11	0.46	1323	3.244	-159632	-130810	-1249634	SLD 7	0.6	2474	4.193	Si
246	-1176	-2241	-8821	SLD 11	0.46	1289	3.209	-173865	-153523	-1307025	SLD 7	0.6	2474	4.193	Si
266	-1324	-2241	-8821	SLD 11	0.45	1225	3.143	-192136	181205	963377	SLD 9	0.6	2474	4.193	Si
287	-1475	-2241	-9511	SLD 11	0.48	1472	3.389	-192136	181205	963377	SLD 9	0.6	2474	4.193	Si

Campata 3 tra i fili 67 - 64, sezione R 40x70, asta 1119

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	7.6	5.4						-272387	SLU 30	-264045	-1414576	0.086	Si
18	11.4	5.4	7.6	5.4						-258731	SLU 30	-258710	-1414576	0.086	Si
20	11.4	5.4	7.6	5.4						-257459	SLU 30	-257459	-1414576	0.086	Si
36	11.4	5.4	7.6	5.4						-248023	SLU 30	-257459	-1414576	0.086	Si
54	10.85	5.4	7.6	5.4						-240264	SLU 30	-254325	-1349015	0.085	Si
72	10	5.4	7.6	5.4						-235454	SLU 30	-244752	-1248230	0.083	Si
81	9.58	5.4	7.6	5.4						-234154	SLU 30	-241072	-1197838	0.082	Si
99	7.6	5.4	7.6	5.4						-233766	SLU 30	-239431	-962923	0.078	Si
117	7.6	5.4	7.6	5.4						-236327	SLU 30	-246753	-962923	0.078	Si
135	7.6	5.4	7.6	5.4						-241836	SLU 30	-257024	-962923	0.078	Si
153	7.6	5.4	7.6	5.4						-250293	SLU 30	-270242	-962923	0.078	Si
171	7.6	5.4	7.6	5.4						-261699	SLU 30	-286410	-962923	0.078	Si
189	9.58	5.4	7.6	5.4						-276053	SLU 30	-305526	-1197838	0.082	Si
207	10.43	5.4	7.6	5.4						-293355	SLU 30	-327590	-1298621	0.084	Si
216	10.85	5.4	7.6	5.4						-303112	SLU 30	-339727	-1349015	0.085	Si
234	11.4	5.4	7.6	5.4						-324837	SLU 30	-346687	-1414576	0.086	Si
250	11.4	5.4	7.6	5.4						-346687	SLU 30	-346687	-1414576	0.086	Si
252	11.4	5.4	7.6	5.4						-349510	SLU 30	-349412	-1414576	0.086	Si
270	11.4	5.4	7.6	5.4						-377132	SLU 30	-361031	-1414576	0.086	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	7.6	5.4	959633	SLV 7	896002	963377	0.08	-1352989	SLV 9	-1275619	-1414576	0.086	Si
18	11.4	5.4	7.6	5.4	843922	SLV 7	843252	963377	0.08	-1214640	SLV 9	-1213929	-1414576	0.086	Si
20	11.4	5.4	7.6	5.4	830878	SLV 7	830878	963377	0.08	-1199459	SLV 9	-1199459	-1414576	0.086	Si
36	11.4	5.4	7.6	5.4	725973	SLV 7	830878	963377	0.08	-1078589	SLV 9	-1199459	-1414576	0.086	Si
54	10.85	5.4	7.6	5.4	605800	SLV 7	798727	963329	0.079	-944849	SLV 9	-1162038	-1349015	0.085	Si
72	10	5.4	7.6	5.4	483421	SLV 7	679920	963244	0.079	-813440	SLV 9	-1026876	-1248230	0.083	Si
81	9.58	5.4	7.6	5.4	421415	SLV 7	619683	963196	0.079	-748620	SLV 9	-960162	-1197838	0.082	Si
99	7.6	5.4	7.6	5.4	295805	SLV 7	497558	962923	0.078	-620783	SLV 9	-828485	-962923	0.078	Si
117	7.6	5.4	7.6	5.4	168155	SLV 7	373258	962923	0.078	-495443	SLV 9	-699169	-962923	0.078	Si
135	7.6	5.4	7.6	5.4	38742	SLV 7	246848	962923	0.078	-372876	SLV 9	-572279	-962923	0.078	Si
153	7.6	5.4	7.6	5.4	-90885	SLV 7	118475	962923	0.078	-254630	SLV 9	-447962	-962923	0.078	Si
171	7.6	5.4	7.6	5.4	-109698	SLV 5	62119	962923	0.078	-251735	SLV 11	-458937	-962923	0.078	Si
189	9.58	5.4	7.6	5.4	-727	SLV 5	178108	963196	0.079	-381160	SLV 11	-602706	-1197838	0.082	Si
207	10.43	5.4	7.6	5.4	110116	SLV 9	287711	963288	0.079	-516992	SLV 7	-744624	-1298621	0.084	Si
216	10.85	5.4	7.6	5.4	165442	SLV 9	341898	963329	0.079	-586514	SLV 7	-816670	-1349015	0.085	Si
234	11.4	5.4	7.6	5.4	275223	SLV 9	371385	963377	0.08	-728089	SLV 7	-856418	-1414576	0.086	Si
250	11.4	5.4	7.6	5.4	371385	SLV 9	371385	963377	0.08	-856418	SLV 7	-856418	-1414576	0.086	Si
252	11.4	5.4	7.6	5.4	383348	SLV 9	382797	963377	0.08	-872543	SLV 7	-871850	-1414576	0.086	Si
270	11.4	5.4	7.6	5.4	489515	SLV 9	431446	963377	0.08	-1019576	SLV 7	-937642	-1414576	0.086	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	7.6	5.4	314915	SLD 7	290595	963377	0.08	-708271	SLD 9	-670213	-1414576	0.086	Si
18	11.4	5.4	7.6	5.4	270037	SLD 7	269752	963377	0.08	-640755	SLD 9	-640429	-1414576	0.086	Si
20	11.4	5.4	7.6	5.4	264862	SLD 7	264862	963377	0.08	-633443	SLD 9	-633443	-1414576	0.086	Si
36	11.4	5.4	7.6	5.4	222904	SLD 7	264862	963377	0.08	-575519	SLD 9	-633443	-1414576	0.086	Si
54	10.85	5.4	7.6	5.4	173522	SLD 7	252107	963329	0.079	-512571	SLD 9	-615419	-1349015	0.085	Si
72	10	5.4	7.6	5.4	121899	SLD 7	204108	963244	0.079	-451918	SLD 9	-551064	-1248230	0.083	Si
81	9.58	5.4	7.6	5.4	95252	SLD 7	179265	963196	0.079	-422456	SLD 9	-519744	-1197838	0.082	Si
99	7.6	5.4	7.6	5.4	40301	SLD 7	127900	962923	0.078	-365279	SLD 9	-458827	-962923	0.078	Si
117	7.6	5.4	7.6	5.4	-16818	SLD 7	74307	962923	0.078	-310470	SLD 9	-400218	-962923	0.078	Si
135	7.6	5.4	7.6	5.4	-75989	SLD 7	18515	962923	0.078	-258145	SLD 9	-343946	-962923	0.078	Si
153	7.6	5.4	7.6	5.4						-208961	SLD 9	-290075	-962923	0.078	Si
171	7.6	5.4	7.6	5.4						-212004	SLD 11	-313590	-962923	0.078	Si
189	9.58	5.4	7.6	5.4						-275010	SLD 11	-384940	-1197838	0.082	Si
207	10.43	5.4	7.6	5.4						-342078	SLD 7	-456736	-1298621	0.084	Si
216	10.85	5.4	7.6	5.4	-44279	SLD 9	18816	963329	0.079	-376793	SLD 7	-493588	-1349015	0.085	Si
234	11.4	5.4	7.6	5.4	-4574	SLD 9	29001	963377	0.08	-448292	SLD 7	-514033	-1414576	0.086	Si
250	11.4	5.4	7.6	5.4	29001	SLD 9	29001	963377	0.08	-514033	SLD 7	-514033	-1414576	0.086	Si
252	11.4	5.4	7.6	5.4	33132	SLD 9	32928	963377	0.08	-522328	SLD 7	-521982	-1414576	0.086	Si
270	11.4	5.4	7.6	5.4	68708	SLD 9	49670	963377	0.08	-598769	SLD 7	-555866	-1414576	0.086	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.43	0	1005	SLU 22	1005	9800	68363	0	9800	1	Si
18	0	9.58	0	841	SLU 22	841	9527	68363	0	9527	1	Si
20	0.086	9.58	0	823	SLU 22	823	9527	68363	10004	10004	1	Si
36	0.086	7.6	0	678	SLU 22	678	8821	68363	10004	10004	1	Si
54	0.086	7.6	0	514	SLU 22	514	8821	68363	10004	10004	1	Si
72	0.086	7.6	0	350	SLU 22	350	8821	68363	10004	10004	1	Si
81	0.086	7.6	0	268	SLU 22	268	8821	68363	10004	10004	1	Si
99	0.089	7.6	0	104	SLU 22	104	8821	68363	10374	10374	1	Si
99	0.089	7.6	0	-100	SLU 11	-100	-8821	-68363	-10374	-10374	1	Si
117	0.089	9.16	0	-232	SLU 29	-232	-9384	-68363	-10374	-10374	1	Si
135	0.089	10	0	-396	SLU 29	-396	-9666	-68363	-10374	-10374	1	Si
153	0.089	9.16	0	-560	SLU 29	-560	-9384	-68363	-10374	-10374	1	Si
171	0.089	7.6	0	-724	SLU 29	-724	-8821	-68363	-10374	-10374	1	Si
189	0.086	7.6	0	-888	SLU 29	-888	-8821	-68363	-10004	-10004	1	Si
207	0.086	7.6	0	-1051	SLU 29	-1051	-8821	-68363	-10004	-10004	1	Si
216	0.086	7.6	0	-1133	SLU 29	-1133	-8821	-68363	-10004	-10004	1	Si
234	0.086	7.6	0	-1297	SLU 29	-1297	-8821	-68363	-10004	-10004	1	Si
250	0.086	9.58	0	-1443	SLU 29	-1443	-9527	-68363	-10004	-10004	1	Si
252	0	9.58	0	-1461	SLU 29	-1461	-9527	-68363	0	-9527	1	Si
270	0	10.43	0	-1625	SLU 29	-1625	-9800	-68363	0	-9800	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.43	0	7756	SLV 9	9593	9800	68363	0	9800	1	Si
0	0	7.6	0	-6372	SLV 7	-8209	-8821	-68363	0	-8821	1	Si
18	0	9.58	0	7630	SLV 9	9467	9527	68363	0	9527	1	Si
18	0	7.6	0	-6498	SLV 7	-8335	-8821	-68363	0	-8821	1	Si
20	0.086	9.58	0	7616	SLV 9	9453	9527	68363	10004	10004	1	Si
20	0.086	7.6	0	-6512	SLV 7	-8349	-8821	-68363	-10004	-10004	1	Si
36	0.086	7.6	0	7504	SLV 9	9341	8821	68363	10004	10004	1	Si
36	0.086	7.6	0	-6624	SLV 7	-8461	-8821	-68363	-10004	-10004	1	Si
54	0.086	7.6	0	7378	SLV 9	9215	8821	68363	10004	10004	1	Si
54	0.086	7.6	0	-6750	SLV 7	-8587	-8821	-68363	-10004	-10004	1	Si
72	0.086	7.6	0	7252	SLV 9	9089	8821	68363	10004	10004	1	Si
72	0.086	7.6	0	-6876	SLV 7	-8713	-8821	-68363	-10004	-10004	1	Si
81	0.086	7.6	0	7189	SLV 9	9026	8821	68363	10004	10004	1	Si
81	0.086	7.6	0	-6939	SLV 7	-8776	-8821	-68363	-10004	-10004	1	Si
99	0.089	7.6	0	7063	SLV 9	8900	8821	68363	10374	10374	1	Si
99	0.089	7.6	0	-7065	SLV 7	-8902	-8821	-68363	-10374	-10374	1	Si
117	0.089	9.16	0	6937	SLV 9	8774	9384	68363	10374	10374	1	Si
117	0.089	7.6	0	-7191	SLV 7	-9028	-8821	-68363	-10374	-10374	1	Si
135	0.089	10	0	6811	SLV 9	8648	9666	68363	10374	10374	1	Si
135	0.089	7.6	0	-7317	SLV 7	-9154	-8821	-68363	-10374	-10374	1	Si
153	0.089	9.16	0	6685	SLV 9	8522	9384	68363	10374	10374	1	Si
153	0.089	9.16	0	-7443	SLV 7	-9280	-9384	-68363	-10374	-10374	1	Si
171	0.089	7.6	0	6559	SLV 9	8396	8821	68363	10374	10374	1	Si
171	0.089	7.6	0	-7569	SLV 7	-9406	-8821	-68363	-10374	-10374	1	Si
189	0.086	7.6	0	6433	SLV 9	8270	8821	68363	10004	10004	1	Si
189	0.086	7.6	0	-7695	SLV 7	-9532	-8821	-68363	-10004	-10004	1	Si
207	0.086	7.6	0	6307	SLV 9	8144	8821	68363	10004	10004	1	Si
207	0.086	7.6	0	-7821	SLV 7	-9658	-8821	-68363	-10004	-10004	1	Si
216	0.086	7.6	0	6244	SLV 9	8081	8821	68363	10004	10004	1	Si
216	0.086	7.6	0	-7884	SLV 7	-9721	-8821	-68363	-10004	-10004	1	Si
234	0.086	7.6	0	6118	SLV 9	7955	8821	68363	10004	10004	1	Si
234	0.086	7.6	0	-8010	SLV 7	-9847	-8821	-68363	-10004	-10004	1	Si
250	0.086	7.6	0	6006	SLV 9	7843	8821	68363	10004	10004	1	Si
250	0.086	9.58	0	-8122	SLV 7	-9959	-9527	-68363	-10004	-10004	1	Si
252	0	7.6	0	5992	SLV 9	7829	8821	68363	0	8821	1	Si
252	0	9.58	0	-8136	SLV 7	-9973	-9527	-68363	0	-9527	1	Si
270	0	7.6	0	5866	SLV 9	7703	8821	68363	0	8821	1	Si
270	0	10.43	0	-8262	SLV 7	-10099	-9800	-68363	0	-9800	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.43	0	3817	SLD 9	3817	9800	68363	0	9800	1	Si
0	0	7.6	0	-2433	SLD 7	-2433	-8821	-68363	0	-8821	1	Si
18	0	9.58	0	3691	SLD 9	3691	9527	68363	0	9527	1	Si
18	0	7.6	0	-2559	SLD 7	-2559	-8821	-68363	0	-8821	1	Si
20	0.086	9.58	0	3677	SLD 9	3677	9527	68363	10004	10004	1	Si
20	0.086	7.6	0	-2573	SLD 7	-2573	-8821	-68363	-10004	-10004	1	Si
36	0.086	7.6	0	3565	SLD 9	3565	8821	68363	10004	10004	1	Si
36	0.086	7.6	0	-2685	SLD 7	-2685	-8821	-68363	-10004	-10004	1	Si
54	0.086	7.6	0	3439	SLD 9	3439	8821	68363	10004	10004	1	Si
54	0.086	7.6	0	-2811	SLD 7	-2811	-8821	-68363	-10004	-10004	1	Si
72	0.086	7.6	0	3313	SLD 9	3313	8821	68363	10004	10004	1	Si
72	0.086	7.6	0	-2937	SLD 7	-2937	-8821	-68363	-10004	-10004	1	Si
81	0.086	7.6	0	3250	SLD 9	3250	8821	68363	10004	10004	1	Si
81	0.086	7.6	0	-3000	SLD 7	-3000	-8821	-68363	-10004	-10004	1	Si
99	0.089	7.6	0	3124	SLD 9	3124	8821	68363	10374	10374	1	Si
99	0.089	7.6	0	-3126	SLD 7	-3126	-8821	-68363	-10374	-10374	1	Si
117	0.089	9.16	0	2998	SLD 9	2998	9384	68363	10374	10374	1	Si
117	0.089	9.16	0	-3252	SLD 7	-3252	-9384	-68363	-10374	-10374	1	Si
135	0.089	10	0	2872	SLD 9	2872	9666	68363	10374	10374	1	Si
135	0.089	10	0	-3378	SLD 7	-3378	-9666	-68363	-10374	-10374	1	Si
153	0.089	9.16	0	2746	SLD 9	2746	9384	68363	10374	10374	1	Si
153	0.089	9.16	0	-3504	SLD 7	-3504	-9384	-68363	-10374	-10374	1	Si
171	0.089	7.6	0	2620	SLD 9	2620	8821	68363	10374	10374	1	Si
171	0.089	7.6	0	-3630	SLD 7	-3630	-8821	-68363	-10374	-10374	1	Si
189	0.086	7.6	0	2494	SLD 9	2494	8821	68363	10004	10004	1	Si
189	0.086	7.6	0	-3756	SLD 7	-3756	-8821	-68363	-10004	-10004	1	Si
207	0.086	7.6	0	2368	SLD 9	2368	8821	68363	10004	10004	1	Si
207	0.086	7.6	0	-3882	SLD 7	-3882	-8821	-68363	-10004	-10004	1	Si
216	0.086	7.6	0	2305	SLD 9	2305	8821	68363	10004	10004	1	Si
216	0.086	7.6	0	-3945	SLD 7	-3945	-8821	-68363	-10004	-10004	1	Si
234	0.086	7.6	0	2179	SLD 9	2179	8821	68363	10004	10004	1	Si
234	0.086	7.6	0	-4071	SLD 7	-4071	-8821	-68363	-10004	-10004	1	Si
250	0.086	7.6	0	2067	SLD 9	2067	8821	68363	10004	10004	1	Si
250	0.086	9.58	0	-4183	SLD 7	-4183	-9527	-68363	-10004	-10004	1	Si
252	0	7.6	0	2053	SLD 9	2053	8821	68363	0	8821	1	Si
252	0	9.58	0	-4197	SLD 7	-4197	-9527	-68363	0	-9527	1	Si
270	0	7.6	0	1927	SLD 9	1927	8821	68363	0	8821	1	Si
270	0	10.43	0	-4323	SLD 7	-4323	-9800	-68363	0	-9800	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-204711	3	-198093	7.7	124.5	296	1837	-196678	2	-189809	7.3	93.4	0	+∞	Si
18	-193845	3	-193828	7.5	124.5	289.6	1837	-185359	2	-185339	7.2	93.4	0	+∞	Si
20	-192827	3	-192827	7.4	124.5	288.1	1837	-184290	2	-184290	7.1	93.4	0	+∞	Si
36	-185248	3	-192827	7.4	124.5	288.1	1837	-176308	2	-184290	7.1	93.4	0	+∞	Si
54	-178919	3	-190317	7.5	124.5	298.3	1837	-169525	2	-181656	7.1	93.4	0	+∞	Si
72	-174857	3	-182593	7.4	124.5	309.5	1837	-165009	2	-173478	7	93.4	0	+∞	Si
81	-173677	3	-179581	7.4	124.5	317.4	1837	-163602	2	-170239	7	93.4	0	+∞	Si
99	-173018	3	-176792	4.6	124.5	69.1	1837	-162489	2	-165531	7.4	93.4	0	+∞	Si
117	-174626	3	-182064	4.7	124.5	71.2	1837	-163644	2	-170348	7.6	93.4	0	+∞	Si
135	-178503	3	-189603	4.9	124.5	74.1	1837	-167067	2	-177434	8	93.4	0	+∞	Si
153	-184648	3	-199411	5.2	124.5	77.9	1837	-172758	2	-186788	8.4	93.4	0	+∞	Si
171	-193061	3	-211486	5.5	124.5	82.7	1837	-180716	2	-198409	8.9	93.4	0	+∞	Si
189	-203741	3	-225830	9.3	124.5	399.2	1837	-190943	2	-212299	8.7	93.4	0	+∞	Si
207	-216690	3	-242441	9.7	124.5	394.8	1837	-203438	2	-228457	9.1	93.4	0	+∞	Si
216	-224015	3	-251598	9.9	124.5	394.3	1837	-210536	2	-237386	9.3	93.4	0	+∞	Si
234	-240365	3	-256852	9.9	124.5	383.7	1837	-226433	2	-242516	9.4	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
250	-256852	3	-256852	9.9	124.5	383.7	1837	-242516	2	-242516	9.4	93.4	0	+∞	Si
252	-258984	3	-258911	10	124.5	386.8	1837	-244598	2	-244527	9.4	93.4	0	+∞	Si
270	-279871	3	-267686	10.3	124.5	399.9	1837	-265031	2	-253098	9.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
36	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
54	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
72	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.008	1	-0.009	1	9999	Si
81	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
99	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.011	1	9999	Si
117	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.01	1	-0.011	1	9999	Si
135	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.011	1	-0.012	1	9999	Si
153	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.01	1	-0.011	1	9999	Si
171	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.011	1	9999	Si
189	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
207	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.008	1	-0.009	1	9999	Si
216	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.008	1	9999	Si
234	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
250	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
252	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	552	8901	10004	SLV 9	0.39	824	1.062	-184290	1015169	963377	SLV 7	0.41	960	1.13	Si
36	440	8901	10004	SLV 9	0.39	848	1.074	-184290	1015169	963377	SLV 7	0.41	960	1.13	Si
54	314	8901	10004	SLV 9	0.39	875	1.088	-181656	980383	963329	SLV 7	0.42	1045	1.17	Si
72	188	8901	10004	SLV 9	0.4	903	1.102	-173478	-853398	-1248230	SLV 9	0.45	1275	1.27	Si
81	125	8901	10004	SLV 9	0.4	917	1.109	-170239	-789923	-1197838	SLV 9	0.47	1390	1.316	Si
99	-1	-8901	-10374	SLV 7	0.42	1039	1.168	-165463	-663021	-962923	SLV 9	0.43	1129	1.208	Si
117	-127	-8901	-10374	SLV 7	0.42	1006	1.152	-162955	-536213	-962923	SLV 9	0.53	2004	1.528	Si
135	-253	-8901	-10374	SLV 7	0.41	973	1.137	-162715	-409563	-962923	SLV 9	0.57	2474	1.666	Si
153	-379	-8901	-10374	SLV 7	0.41	944	1.123	-164743	-283219	-962923	SLV 9	0.57	2474	1.666	Si
171	-505	-8901	-10374	SLV 7	0.4	915	1.108	-198409	-260528	-962923	SLV 11	0.57	2474	1.666	Si
189	-631	-8901	-10004	SLV 7	0.38	807	1.053	-212299	-390407	-1197838	SLV 7	0.57	2474	1.666	Si
207	-757	-8901	-10004	SLV 7	0.38	781	1.039	-228457	-516167	-1298621	SLV 7	0.57	2474	1.666	Si
216	-820	-8901	-10004	SLV 7	0.37	768	1.032	-237386	-579284	-1349015	SLV 7	0.57	2474	1.666	Si
234	-946	-8901	-10004	SLV 7	0.37	742	1.017	-242516	-613902	-1414576	SLV 7	0.57	2474	1.666	Si
250	-1058	-8901	-10004	SLV 7	0.37	720	1.005	-242516	-613902	-1414576	SLV 7	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	552	3125	10004	SLD 9	0.41	938	2.817	-184290	449153	963377	SLD 7	0.35	623	2.382	Si
36	440	3125	10004	SLD 9	0.41	965	2.85	-184290	449153	963377	SLD 7	0.35	623	2.382	Si
54	314	3125	10004	SLD 9	0.42	999	2.891	-181656	433763	963329	SLD 7	0.36	673	2.459	Si
72	188	3125	10004	SLD 9	0.42	1035	2.933	-173478	-377586	-1248230	SLD 9	0.38	809	2.651	Si
81	125	3125	10004	SLD 9	0.42	1053	2.954	-170239	-349505	-1197838	SLD 9	0.39	875	2.738	Si
99	-1	-3125	-10374	SLD 7	0.44	1201	3.118	-165463	-293363	-962923	SLD 9	0.37	723	2.532	Si
117	-127	-3125	-10374	SLD 7	0.44	1162	3.076	-162955	-237263	-962923	SLD 9	0.45	1251	3.17	Si
135	-253	-3125	-10374	SLD 7	0.43	1124	3.034	-162715	-181231	-962923	SLD 9	0.58	2474	4.193	Si
153	-379	-3125	-10374	SLD 7	0.43	1087	2.993	-164743	-125331	-962923	SLD 9	0.6	2474	4.193	Si
171	-505	-3125	-10374	SLD 7	0.42	1050	2.951	-198409	-115180	-962923	SLD 11	0.6	2474	4.193	Si
189	-631	-3125	-10004	SLD 7	0.4	919	2.794	-212299	-172641	-1197838	SLD 7	0.6	2474	4.193	Si
207	-757	-3125	-10004	SLD 7	0.4	889	2.756	-228457	-228279	-1298621	SLD 7	0.6	2474	4.193	Si
216	-820	-3125	-10004	SLD 7	0.39	874	2.737	-237386	-256202	-1349015	SLD 7	0.57	2452	4.178	Si
234	-946	-3125	-10004	SLD 7	0.39	845	2.699	-242516	-271517	-1414576	SLD 7	0.57	2419	4.154	Si
250	-1058	-3125	-10004	SLD 7	0.38	820	2.666	-242516	-271517	-1414576	SLD 7	0.57	2419	4.154	Si

Campata 4 tra i fili 64 - 61, sezione R 40x70, asta 1120

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	7.6	5.4						-569638	SLU 29	-545557	-1414576	0.086	Si
18	11.4	5.4	7.6	5.4						-526558	SLU 29	-526475	-1414576	0.086	Si
20	11.4	5.4	7.6	5.4						-523242	SLU 29	-523242	-1414576	0.086	Si
37	11.4	5.4	7.6	5.4						-486591	SLU 29	-523242	-1414576	0.086	Si
55	10.78	5.4	7.6	5.4						-449737	SLU 29	-509111	-1340700	0.085	Si
74	9.91	5.4	7.6	5.4						-415995	SLU 29	-470477	-1237156	0.083	Si
83	9.47	5.4	7.6	5.4						-400291	SLU 29	-452327	-1185371	0.082	Si
92	7.6	5.4	7.6	5.4						-385402	SLU 30	-434955	-962923	0.078	Si
102	7.6	5.4	7.6	5.4						-371302	SLU 30	-418362	-962923	0.078	Si
120	7.6	5.4	7.6	5.4						-345436	SLU 30	-387539	-962923	0.078	Si
139	7.6	5.4	7.6	5.4						-322683	SLU 30	-359893	-962923	0.078	Si
157	7.6	5.4	7.6	5.4						-303043	SLU 30	-335360	-962923	0.078	Si
176	7.6	5.4	7.6	5.4						-286515	SLU 30	-313940	-962923	0.078	Si
194	9.47	5.4	7.6	5.4						-273100	SLU 30	-295632	-1185371	0.082	Si
213	13.73	5.4	7.6	5.4						-262797	SLU 30	-280437	-1690852	0.092	Si
222	15.04	5.4	7.6	5.4						-258813	SLU 30	-274007	-1845886	0.095	Si
240	17.41	5.4	7.6	5.4						-253180	SLU 30	-263481	-2125949	0.102	Si
257	19.01	5.4	7.6	5.4						-250801	SLU 30	-256590	-2315301	0.107	Si
259	19.01	5.4	7.6	5.4						-250659	SLU 30	-250659	-2315301	0.107	Si
277	19.01	5.4	7.6	5.4						-251251	SLU 30	-250143	-2315301	0.107	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	7.6	5.4	686915	SLV 7	627588	963377	0.08	-1477940	SLV 9	-1383341	-1414576	0.086	Si
18	11.4	5.4	7.6	5.4	575741	SLV 7	575399	963377	0.08	-1303774	SLV 9	-1303313	-1414576	0.086	Si
20	11.4	5.4	7.6	5.4	566558	SLV 7	566558	963377	0.08	-1289756	SLV 9	-1289756	-1414576	0.086	Si
37	11.4	5.4	7.6	5.4	462394	SLV 7	566558	963377	0.08	-1132223	SLV 9	-1289756	-1414576	0.086	Si
55	10.78	5.4	7.6	5.4	347237	SLV 7	527428	963321	0.079	-963652	SLV 9	-1230026	-1340700	0.085	Si
74	9.91	5.4	7.6	5.4	232129	SLV 7	413237	963234	0.079	-799917	SLV 9	-1059682	-1237156	0.083	Si
83	9.47	5.4	7.6	5.4	177320	SLV 7	355532	963184	0.079	-722590	SLV 9	-975695	-1185371	0.082	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
102	7.6	5.4	7.6	5.4	79164	SLV 11	240351	962923	0.078	-582992	SLV 5	-811544	-962923	0.078	Si
120	7.6	5.4	7.6	5.4	-14444	SLV 11	130557	962923	0.078	-452729	SLV 5	-657569	-962923	0.078	Si
139	7.6	5.4	7.6	5.4	-33571	SLV 15	95030	962923	0.078	-401737	SLV 1	-526673	-962923	0.078	Si
157	7.6	5.4	7.6	5.4	36525	SLV 13	196272	962923	0.078	-444756	SLV 3	-571696	-962923	0.078	Si
176	7.6	5.4	7.6	5.4	138643	SLV 13	322677	962923	0.078	-524586	SLV 3	-683340	-962923	0.078	Si
194	9.47	5.4	7.6	5.4	239035	SLV 13	470426	963184	0.079	-607479	SLV 3	-821117	-1185371	0.082	Si
213	13.73	5.4	7.6	5.4	386260	SLV 9	615850	963548	0.08	-741993	SLV 7	-961358	-1690852	0.092	Si
222	15.04	5.4	7.6	5.4	459930	SLV 9	687681	963624	0.08	-811104	SLV 7	-1032392	-1845886	0.095	Si
240	17.41	5.4	7.6	5.4	605523	SLV 9	737152	963736	0.081	-951170	SLV 7	-1082022	-2125949	0.102	Si
257	19.01	5.4	7.6	5.4	737152	SLV 9	737152	963795	0.081	-1082022	SLV 7	-1082022	-2315301	0.107	Si
259	19.01	5.4	7.6	5.4	748762	SLV 9	748301	963795	0.081	-1093670	SLV 7	-1093271	-2315301	0.107	Si
277	19.01	5.4	7.6	5.4	889632	SLV 9	814117	963795	0.081	-1238590	SLV 7	-1159672	-2315301	0.107	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	7.6	5.4	83369	SLD 7	66956	963377	0.08	-874394	SLD 9	-822709	-1414576	0.086	Si
18	11.4	5.4	7.6	5.4	51747	SLD 7	51628	963377	0.08	-779780	SLD 9	-779543	-1414576	0.086	Si
20	11.4	5.4	7.6	5.4	49032	SLD 7	49032	963377	0.08	-772230	SLD 9	-772230	-1414576	0.086	Si
37	11.4	5.4	7.6	5.4	17827	SLD 7	49032	963377	0.08	-687657	SLD 9	-772230	-1414576	0.086	Si
55	10.78	5.4	7.6	5.4	-18227	SLD 7	37464	963321	0.079	-598187	SLD 9	-740061	-1340700	0.085	Si
74	9.91	5.4	7.6	5.4	-55595	SLD 7	2600	963234	0.079	-512193	SLD 9	-649044	-1237156	0.083	Si
83	9.47	5.4	7.6	5.4						-471706	SLD 9	-604561	-1185371	0.082	Si
92	7.6	5.4	7.6	5.4						-433995	SLD 5	-560880	-962923	0.078	Si
102	7.6	5.4	7.6	5.4						-398396	SLD 5	-518287	-962923	0.078	Si
120	7.6	5.4	7.6	5.4						-330551	SLD 5	-437851	-962923	0.078	Si
139	7.6	5.4	7.6	5.4						-299117	SLD 1	-368962	-962923	0.078	Si
157	7.6	5.4	7.6	5.4						-310600	SLD 3	-357622	-962923	0.078	Si
176	7.6	5.4	7.6	5.4	-46234	SLD 13	42198	962923	0.078	-339709	SLD 3	-402861	-962923	0.078	Si
194	9.47	5.4	7.6	5.4	3065	SLD 13	110344	963184	0.079	-371509	SLD 3	-461035	-1185371	0.082	Si
213	13.73	5.4	7.6	5.4	71702	SLD 9	176126	963548	0.08	-427435	SLD 7	-521633	-1690852	0.092	Si
222	15.04	5.4	7.6	5.4	105565	SLD 9	208126	963624	0.08	-456739	SLD 7	-552838	-1845886	0.095	Si
240	17.41	5.4	7.6	5.4	171518	SLD 9	229968	963736	0.081	-517165	SLD 7	-574839	-2125949	0.102	Si
257	19.01	5.4	7.6	5.4	229968	SLD 9	229968	963795	0.081	-574839	SLD 7	-574839	-2315301	0.107	Si
259	19.01	5.4	7.6	5.4	235095	SLD 9	234874	963795	0.081	-580002	SLD 7	-579843	-2315301	0.107	Si
277	19.01	5.4	7.6	5.4	296288	SLD 9	263828	963795	0.081	-645246	SLD 7	-609383	-2315301	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.35	0	2413	SLU 29	2413	9775	68363	0	9775	1	Si
18	0	9.47	0	2245	SLU 29	2245	9492	68363	0	9492	1	Si
20	0.101	9.47	0	2231	SLU 29	2231	9492	68363	11671	11671	1	Si
37	0.101	7.6	0	2077	SLU 29	2077	8821	68363	11671	11671	1	Si
55	0.101	7.6	0	1909	SLU 29	1909	8821	68363	11671	11671	1	Si
74	0.101	7.6	0	1740	SLU 29	1740	8821	68363	11671	11671	1	Si
83	0.101	7.6	0	1656	SLU 29	1656	8821	68363	11671	11671	1	Si
102	0.103	7.6	0	1488	SLU 29	1488	8821	68363	11980	11980	1	Si
120	0.103	7.6	0	1320	SLU 29	1320	8821	68363	11980	11980	1	Si
139	0.103	9.91	0	1151	SLU 29	1151	9635	68363	11980	11980	1	Si
157	0.103	7.6	0	983	SLU 29	983	8821	68363	11980	11980	1	Si
176	0.103	7.6	0	815	SLU 29	815	8821	68363	11980	11980	1	Si
194	0.101	7.6	0	646	SLU 29	646	8821	68363	11671	11671	1	Si
213	0.101	7.6	0	478	SLU 29	478	8821	68363	11671	11671	1	Si
222	0.101	7.6	0	394	SLU 29	394	8821	68363	11671	11671	1	Si
240	0.101	7.6	0	251	SLU 11	251	8821	68363	11671	11671	1	Si
240	0.101	7.6	0	-58	SLU 26	-58	-8821	-68363	-11671	-11671	1	Si
257	0.101	9.47	0	132	SLU 11	132	9492	68363	11671	11671	1	Si
257	0.101	9.47	0	-213	SLU 26	-213	-9492	-68363	-11671	-11671	1	Si
259	0	9.47	0	122	SLU 11	122	9492	68363	0	9492	1	Si
259	0	9.47	0	-226	SLU 26	-226	-9492	-68363	0	-9492	1	Si
277	0	13.73	0	-395	SLU 26	-395	-10742	-68363	0	-10742	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.35	0	9498	SLV 9	11508	9775	68363	0	9775	1	Si
0	0	7.6	0	-5963	SLV 7	-7973	-8821	-68363	0	-8821	1	Si
18	0	9.47	0	9369	SLV 9	11379	9492	68363	0	9492	1	Si
18	0	7.6	0	-6093	SLV 7	-8103	-8821	-68363	0	-8821	1	Si
20	0.101	9.47	0	9358	SLV 9	11368	9492	68363	11671	11671	1	Si
20	0.101	7.6	0	-6103	SLV 7	-8113	-8821	-68363	-11671	-11671	1	Si
37	0.101	7.6	0	9240	SLV 9	11250	8821	68363	11671	11671	1	Si
37	0.101	7.6	0	-6222	SLV 7	-8232	-8821	-68363	-11671	-11671	1	Si
55	0.101	7.6	0	9110	SLV 9	11120	8821	68363	11671	11671	1	Si
55	0.101	7.6	0	-6351	SLV 7	-8361	-8821	-68363	-11671	-11671	1	Si
74	0.101	7.6	0	8981	SLV 9	10991	8821	68363	11671	11671	1	Si
74	0.101	7.6	0	-6481	SLV 7	-8491	-8821	-68363	-11671	-11671	1	Si
83	0.101	7.6	0	8916	SLV 9	10926	8821	68363	11671	11671	1	Si
83	0.101	7.6	0	-6546	SLV 7	-8556	-8821	-68363	-11671	-11671	1	Si
102	0.103	7.6	0	8786	SLV 9	10796	8821	68363	11980	11980	1	Si
102	0.103	7.6	0	-6675	SLV 7	-8685	-8821	-68363	-11980	-11980	1	Si
120	0.103	7.6	0	8657	SLV 9	10667	8821	68363	11980	11980	1	Si
120	0.103	7.6	0	-6805	SLV 7	-8815	-8821	-68363	-11980	-11980	1	Si
139	0.103	9.91	0	8528	SLV 9	10538	9635	68363	11980	11980	1	Si
139	0.103	9.91	0	-6934	SLV 7	-8944	-9635	-68363	-11980	-11980	1	Si
157	0.103	7.6	0	8398	SLV 9	10408	8821	68363	11980	11980	1	Si
157	0.103	7.6	0	-7063	SLV 7	-9073	-8821	-68363	-11980	-11980	1	Si
176	0.103	7.6	0	8269	SLV 9	10279	8821	68363	11980	11980	1	Si
176	0.103	7.6	0	-7193	SLV 7	-9203	-8821	-68363	-11980	-11980	1	Si
194	0.101	7.6	0	8139	SLV 9	10149	8821	68363	11671	11671	1	Si
194	0.101	7.6	0	-7322	SLV 7	-9332	-8821	-68363	-11671	-11671	1	Si
213	0.101	7.6	0	8010	SLV 9	10020	8821	68363	11671	11671	1	Si
213	0.101	7.6	0	-7452	SLV 7	-9462	-8821	-68363	-11671	-11671	1	Si
222	0.101	7.6	0	7945	SLV 9	9955	8821	68363	11671	11671	1	Si
222	0.101	7.6	0	-7517	SLV 7	-9527	-8821	-68363	-11671	-11671	1	Si
240	0.101	7.6	0	7815	SLV 9	9825	8821	68363	11671	11671	1	Si
240	0.101	7.6	0	-7646	SLV 7	-9656	-8821	-68363	-11671	-11671	1	Si
257	0.101	7.6	0	7697	SLV 9	9707	8821	68363	11671	11671	1	Si
257	0.101	9.47	0	-7765	SLV 7	-9775	-9492	-68363	-11671	-11671	1	Si
259	0	7.6	0	7686	SLV 9	9696	8821	68363	0	8821	1	Si
259	0	9.47	0	-7776	SLV 7	-9786	-9492	-68363	0	-9492	1	Si
277	0	7.6	0	7557	SLV 9	9567	8821	68363	0	8821	1	Si
277	0	13.73	0	-7905	SLV 7	-9915	-10742	-68363	0	-10742	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.35	0	5188	SLD 9	5188	9775	68363	0	9775	1	Si
0	0	7.6	0	-1652	SLD 7	-1652	-8821	-68363	0	-8821	1	Si
18	0	9.47	0	5058	SLD 9	5058	9492	68363	0	9492	1	Si
18	0	7.6	0	-1782	SLD 7	-1782	-8821	-68363	0	-8821	1	Si
20	0.101	9.47	0	5048	SLD 9	5048	9492	68363	11671	11671	1	Si
20	0.101	7.6	0	-1792	SLD 7	-1792	-8821	-68363	-11671	-11671	1	Si
37	0.101	7.6	0	4929	SLD 9	4929	8821	68363	11671	11671	1	Si
37	0.101	7.6	0	-1911	SLD 7	-1911	-8821	-68363	-11671	-11671	1	Si
55	0.101	7.6	0	4799	SLD 9	4799	8821	68363	11671	11671	1	Si
55	0.101	7.6	0	-2041	SLD 7	-2041	-8821	-68363	-11671	-11671	1	Si
74	0.101	7.6	0	4670	SLD 9	4670	8821	68363	11671	11671	1	Si
74	0.101	7.6	0	-2170	SLD 7	-2170	-8821	-68363	-11671	-11671	1	Si
83	0.101	7.6	0	4605	SLD 9	4605	8821	68363	11671	11671	1	Si
83	0.101	7.6	0	-2235	SLD 7	-2235	-8821	-68363	-11671	-11671	1	Si
102	0.103	7.6	0	4476	SLD 9	4476	8821	68363	11980	11980	1	Si
102	0.103	7.6	0	-2364	SLD 7	-2364	-8821	-68363	-11980	-11980	1	Si
120	0.103	7.6	0	4346	SLD 9	4346	8821	68363	11980	11980	1	Si
120	0.103	7.6	0	-2494	SLD 7	-2494	-8821	-68363	-11980	-11980	1	Si
139	0.103	9.91	0	4217	SLD 9	4217	9635	68363	11980	11980	1	Si
139	0.103	9.91	0	-2623	SLD 7	-2623	-9635	-68363	-11980	-11980	1	Si
157	0.103	7.6	0	4087	SLD 9	4087	8821	68363	11980	11980	1	Si
157	0.103	7.6	0	-2753	SLD 7	-2753	-8821	-68363	-11980	-11980	1	Si
176	0.103	7.6	0	3958	SLD 9	3958	8821	68363	11980	11980	1	Si
176	0.103	7.6	0	-2882	SLD 7	-2882	-8821	-68363	-11980	-11980	1	Si
194	0.101	7.6	0	3829	SLD 9	3829	8821	68363	11671	11671	1	Si
194	0.101	7.6	0	-3012	SLD 7	-3012	-8821	-68363	-11671	-11671	1	Si
213	0.101	7.6	0	3699	SLD 9	3699	8821	68363	11671	11671	1	Si
213	0.101	7.6	0	-3141	SLD 7	-3141	-8821	-68363	-11671	-11671	1	Si
222	0.101	7.6	0	3634	SLD 9	3634	8821	68363	11671	11671	1	Si
222	0.101	7.6	0	-3206	SLD 7	-3206	-8821	-68363	-11671	-11671	1	Si
240	0.101	7.6	0	3505	SLD 9	3505	8821	68363	11671	11671	1	Si
240	0.101	7.6	0	-3335	SLD 7	-3335	-8821	-68363	-11671	-11671	1	Si
257	0.101	7.6	0	3386	SLD 9	3386	8821	68363	11671	11671	1	Si
257	0.101	9.47	0	-3454	SLD 7	-3454	-9492	-68363	-11671	-11671	1	Si
259	0	7.6	0	3375	SLD 9	3375	8821	68363	0	8821	1	Si
259	0	9.47	0	-3465	SLD 7	-3465	-9492	-68363	0	-9492	1	Si
277	0	7.6	0	3246	SLD 9	3246	8821	68363	0	8821	1	Si
277	0	13.73	0	-3594	SLD 7	-3594	-10742	-68363	0	-10742	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-420981	2	-402801	15.6	124.5	601.8	1837	-395513	2	-377876	14.6	93.4	0	+∞	Si
18	-388479	2	-388417	15	124.5	580.3	1837	-364016	2	-363957	14.1	93.4	0	+∞	Si
20	-385980	2	-385980	14.9	124.5	576.7	1837	-361599	2	-361599	14	93.4	0	+∞	Si
37	-358372	2	-385980	14.9	124.5	576.7	1837	-334915	2	-361599	14	93.4	0	+∞	Si
55	-330660	2	-375331	14.8	124.5	591.9	1837	-308207	2	-351299	13.8	93.4	0	+∞	Si
74	-305342	2	-346250	14.1	124.5	592.3	1837	-283894	2	-323222	13.1	93.4	0	+∞	Si
83	-293581	2	-332607	13.7	124.5	594.2	1837	-272635	2	-310082	12.8	93.4	0	+∞	Si
102	-271910	3	-307117	8	124.5	120	1837	-251914	2	-285597	12.8	93.4	0	+∞	Si
120	-252640	3	-284041	7.4	124.5	111	1837	-233587	2	-263506	11.8	93.4	0	+∞	Si
139	-235765	3	-263402	6.9	124.5	103	1837	-217654	2	-243810	10.9	93.4	0	+∞	Si
157	-221285	3	-245158	6.4	124.5	95.8	1837	-204116	2	-226508	10.2	93.4	0	+∞	Si
176	-209199	3	-229309	6	124.5	89.6	1837	-192972	2	-211601	9.5	93.4	0	+∞	Si
194	-199507	3	-215853	8.9	124.5	385.6	1837	-184222	2	-199087	8.2	93.4	0	+∞	Si
213	-192209	3	-204792	7.4	124.5	255.9	1837	-177867	2	-188969	6.8	93.4	0	+∞	Si
222	-189459	3	-200160	7	124.5	229.2	1837	-175587	2	-184807	6.5	93.4	0	+∞	Si
240	-185753	3	-192690	6.4	124.5	191.9	1837	-172823	2	-178280	6	93.4	0	+∞	Si
257	-184499	3	-187966	6.1	124.5	172.1	1837	-172435	2	-174421	5.7	93.4	0	+∞	Si
259	-184441	3	-184441	6	124.5	168.9	1837	-172454	2	-172454	5.6	93.4	0	+∞	Si
277	-185524	3	-184332	6	124.5	168.8	1837	-174479	2	-172778	5.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
20	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
37	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.008	1	9999	Si
55	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.01	1	-0.011	1	9999	Si
74	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.013	1	9999	Si
83	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.012	1	-0.014	1	9999	Si
102	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	1	-0.015	1	9999	Si
120	-0.006	-0.007	-0.005	-0.007	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.014	1	-0.016	1	9999	Si
129	-0.006	-0.007	-0.005	-0.007	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.014	1	-0.016	1	9999	Si
139	-0.006	-0.007	-0.005	-0.007	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.014	1	-0.016	1	9999	Si
157	-0.005	-0.007	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.013	1	-0.015	1	9999	Si
176	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.012	1	-0.014	1	9999	Si
194	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.011	1	-0.012	1	9999	Si
213	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
222	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.008	1	-0.009	1	9999	Si
240	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	1	-0.006	1	9999	Si
257	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.003	1	-0.004	1	9999	Si
259	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1628	9741	11671	SLV 9	0.37	766	1.03	-361599	-928157	-1414576	SLV 9	0.41	968	1.134	Si
37	1509	9741	11671	SLV 9	0.38	789	1.043	-361599	-928157	-1414576	SLV 9	0.41	968	1.134	Si
55	1379	9741	11671	SLV 9	0.38	814	1.056	-351299	-878727	-1340700	SLV 9	0.41	950	1.126	Si
74	1250	9741	11671	SLV 9	0.39	839	1.07	-323222	-736459	-1237156	SLV 9	0.45	1227	1.25	Si
83	1185	9741	11671	SLV 9	0.39	852	1.076	-310082	-665613	-1185371	SLV 9	0.47	1430	1.331	Si
102	1056	9741	11980	SLV 9	0.41	941	1.121	-285597	-525948	-962923	SLV 9	0.46	1353	1.301	Si
120	926	9741	11980	SLV 9	0.41	969	1.135	-263506	-394063	-962923	SLV 5	0.57	2474	1.666	Si
139	797	9741	11980	SLV 9	0.42	998	1.148	-243810	-282863	-962923	SLV 5	0.57	2474	1.666	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
157	667	9741	11980	SLV 9	0.42	1029	1.163	-187712	-383984	-962923	SLV 3	0.57	2474	1.666	Si
176	538	9741	11980	SLV 9	0.42	1061	1.178	-180332	-503009	-962923	SLV 7	0.55	2242	1.6	Si
194	408	9741	11671	SLV 9	0.42	1017	1.157	-175346	-645772	-1185371	SLV 7	0.56	2274	1.61	Si
213	279	9741	11671	SLV 9	0.42	1048	1.172	-172754	788604	963548	SLV 9	0.51	1826	1.471	Si
222	214	9741	11671	SLV 9	0.43	1064	1.179	-172356	860036	963624	SLV 9	0.47	1447	1.337	Si
240	85	9741	11671	SLV 9	0.43	1096	1.193	-172435	909587	963736	SLV 9	0.45	1248	1.259	Si
257	-34	-9741	-11671	SLV 7	0.43	1109	1.199	-172435	909587	963795	SLV 9	0.45	1248	1.259	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1628	3420	11671	SLD 9	0.39	873	2.736	-361599	-410631	-1414576	SLD 9	0.35	627	2.388	Si
37	1509	3420	11671	SLD 9	0.4	898	2.767	-361599	-410631	-1414576	SLD 9	0.35	627	2.388	Si
55	1379	3420	11671	SLD 9	0.4	926	2.802	-351299	-388762	-1340700	SLD 9	0.34	616	2.371	Si
74	1250	3420	11671	SLD 9	0.41	955	2.838	-323222	-325822	-1237156	SLD 9	0.38	780	2.612	Si
83	1185	3420	11671	SLD 9	0.41	970	2.856	-310082	-294479	-1185371	SLD 9	0.4	899	2.769	Si
102	1056	3420	11980	SLD 9	0.43	1083	2.988	-285597	-232690	-962923	SLD 9	0.39	855	2.712	Si
120	926	3420	11980	SLD 9	0.43	1118	3.028	-263506	-174345	-962923	SLD 5	0.53	1988	3.833	Si
139	797	3420	11980	SLD 9	0.44	1153	3.066	-243810	-125152	-962923	SLD 5	0.6	2474	4.193	Si
157	667	3420	11980	SLD 9	0.44	1189	3.105	-187712	-169910	-962923	SLD 3	0.6	2474	4.193	Si
176	538	3420	11980	SLD 9	0.45	1226	3.144	-180332	-222529	-962923	SLD 7	0.47	1399	3.319	Si
194	408	3420	11671	SLD 9	0.44	1175	3.09	-175346	-285689	-1185371	SLD 7	0.47	1419	3.338	Si
213	279	3420	11671	SLD 9	0.45	1211	3.128	-172754	348880	963548	SLD 9	0.44	1142	3.054	Si
222	214	3420	11671	SLD 9	0.45	1229	3.147	-172356	380482	963624	SLD 9	0.4	909	2.781	Si
240	85	3420	11671	SLD 9	0.45	1266	3.186	-172435	402404	963736	SLD 9	0.38	793	2.63	Si
257	-34	-3420	-11671	SLD 7	0.45	1281	3.201	-172435	402404	963795	SLD 9	0.38	793	2.63	Si

Campata 5 tra i fili 61 - 58, sezione R 40x70, asta 1121

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-810789	SLU 30	-737855	-2315301	0.107	Si
19	19.01	5.4	7.6	5.4						-672569	SLU 30	-672477	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-666708	SLU 30	-666708	-2315301	0.107	Si
38	17.28	5.4	7.6	5.4						-537694	SLU 30	-666708	-2110853	0.102	Si
58	15.47	5.4	7.6	5.4						-406164	SLU 30	-606922	-1896908	0.097	Si
67	14.57	5.4	7.6	5.4						-341653	SLU 30	-539876	-1789803	0.094	Si
86	11.4	5.4	7.6	5.4						-215140	SLU 30	-408291	-1414576	0.086	Si
105	10.5	5.4	7.6	5.4	-55660	SLU 1	89098	963294	0.079	-91972	SLU 30	-280051	-1307258	0.084	Si
125	9.6	5.4	7.6	5.4	28658	SLU 29	203658	963199	0.079	11171	SLU 8	-155156	-1199910	0.082	Si
144	7.6	5.4	7.6	5.4	144944	SLU 29	314873	962923	0.078	79626	SLU 8	-35546	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	257886	SLU 29	422743	962923	0.078						Si
182	7.6	5.4	7.6	5.4	367483	SLU 29	527328	962923	0.078						Si
201	7.6	5.4	12.62	5.4	473736	SLU 29	628701	1559328	0.089						Si
211	7.6	5.4	13.91	5.4	525664	SLU 30	678132	1712471	0.093						Si
230	7.6	5.4	12.65	5.4	627091	SLU 30	774487	1563055	0.089						Si
249	7.6	5.4	15.3	5.4	725173	SLU 30	815854	1876892	0.096						Si
268	7.6	5.4	19.01	5.4	815854	SLU 30	815854	2315301	0.107						Si
268	7.6	5.4	19.01	5.4	819910	SLU 30	819796	2315301	0.107						Si
288	7.6	5.4	19.01	5.4	911302	SLU 30	864471	2315301	0.107						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4	484485	SLV 11	466777	963795	0.081	-1602220	SLV 5	-1483180	-2315301	0.107	Si
19	19.01	5.4	7.6	5.4	449186	SLV 11	449136	963795	0.081	-1375123	SLV 5	-1374950	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4	447579	SLV 11	447579	963795	0.081	-1365400	SLV 5	-1365400	-2315301	0.107	Si
38	17.28	5.4	7.6	5.4	411341	SLV 11	447579	963729	0.081	-1150626	SLV 5	-1365400	-2110853	0.102	Si
58	15.47	5.4	7.6	5.4	370963	SLV 11	431187	963646	0.08	-928742	SLV 5	-1266214	-1896908	0.097	Si
67	14.57	5.4	7.6	5.4	349830	SLV 11	411967	963599	0.08	-818786	SLV 5	-1154270	-1789803	0.094	Si
86	11.4	5.4	7.6	5.4	305703	SLV 11	371630	963377	0.08	-600872	SLV 5	-932343	-1414576	0.086	Si
105	10.5	5.4	7.6	5.4	268716	SLV 15	328783	963294	0.079	-395244	SLV 1	-713051	-1307258	0.084	Si
125	9.6	5.4	7.6	5.4	275136	SLV 15	314402	963199	0.079	-238168	SLV 1	-496447	-1199910	0.082	Si
144	7.6	5.4	7.6	5.4	282948	SLV 15	424775	962923	0.078	-87630	SLV 1	-318879	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	349423	SLV 13	605605	962923	0.078	-902	SLV 3	-163529	-962923	0.078	Si
182	7.6	5.4	7.6	5.4	512361	SLV 9	786474	962923	0.078	-15782	SLV 7	-75236	-962923	0.078	Si
201	7.6	5.4	12.62	5.4	692914	SLV 9	971318	1559328	0.089	-53424	SLV 7	-124971	-963475	0.08	Si
211	7.6	5.4	13.91	5.4	783493	SLV 9	1064600	1712471	0.093	-74477	SLV 7	-153062	-963559	0.08	Si
230	7.6	5.4	12.65	5.4	968235	SLV 9	1257358	1563055	0.089	-124026	SLV 7	-217996	-963476	0.08	Si
249	7.6	5.4	15.3	5.4	1158485	SLV 5	1341591	1876892	0.096	-184228	SLV 11	-247772	-963638	0.08	Si
268	7.6	5.4	19.01	5.4	1341591	SLV 5	1341591	2315301	0.107	-247772	SLV 11	-247772	-963795	0.081	Si
268	7.6	5.4	19.01	5.4	1349849	SLV 5	1349736	2315301	0.107	-250691	SLV 11	-250691	-963795	0.081	Si
288	7.6	5.4	19.01	5.4	1539872	SLV 5	1442041	2315301	0.107	-320959	SLV 11	-284301	-963795	0.081	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-1020437	SLD 5	-939523	-2315301	0.107	Si
19	19.01	5.4	7.6	5.4						-866498	SLD 5	-866387	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-859934	SLD 5	-859934	-2315301	0.107	Si
38	17.28	5.4	7.6	5.4	-24141	SLD 11	24500	963729	0.081	-715145	SLD 5	-859934	-2110853	0.102	Si
58	15.47	5.4	7.6	5.4	8602	SLD 11	53391	963646	0.08	-566382	SLD 5	-792972	-1896908	0.097	Si
67	14.57	5.4	7.6	5.4	24018	SLD 11	66896	963599	0.08	-492975	SLD 5	-717598	-1789803	0.094	Si
86	11.4	5.4	7.6	5.4	52951	SLD 11	108914	963377	0.08	-348120	SLD 5	-568792	-1414576	0.086	Si
105	10.5	5.4	7.6	5.4	83638	SLD 15	156274	963294	0.079	-210166	SLD 1	-422588	-1307258	0.084	Si
125	9.6	5.4	7.6	5.4	132056	SLD 15	215792	963199	0.079	-95088	SLD 1	-279007	-1199910	0.082	Si
144	7.6	5.4	7.6	5.4	179656	SLD 15	306570	962923	0.078	15661	SLD 1	-154157	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	251770	SLD 13	427101	962923	0.078	96751	SLD 3	-40537	-962923	0.078	Si
182	7.6	5.4	7.6	5.4	365109	SLD 9	546214	962923	0.078						Si
201	7.6	5.4	12.62	5.4	484824	SLD 9	665652	1559328	0.089						Si
211	7.6	5.4	13.91	5.4	544277	SLD 9	725215	1712471	0.093						Si
230	7.6	5.4	12.65	5.4	663693	SLD 9	846005	1563055	0.089						Si
249	7.6	5.4	15.3	5.4	784113	SLD 5	898451	1876892	0.096						Si
268	7.6	5.4	19.01	5.4	898451	SLD 5	898451	2315301	0.107						Si
268	7.6	5.4	19.01	5.4	903592	SLD 5	903499	2315301	0.107						Si
288	7.6	5.4	19.01	5.4	1021044	SLD 5	960710	2315301	0.107						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.57	0	7297	SLU 30	7297	10955	68363	0	10955	1	Si
10	0	11.4	0	7209	SLU 30	7209	10097	68363	0	10097	1	Si
19	0	11.4	0	7122	SLU 30	7122	10097	68363	0	10097	1	Si
20	0.129	11.4	0	7115	SLU 30	7115	10097	68363	15005	15005	1	Si
38	0.129	10.5	0	6948	SLU 30	6948	9823	68363	15005	15005	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
58	0.129	9.6	0	6773	SLU 30	6773	9533	68363	15005	15005	1	Si
67	0.129	9.14	0	6686	SLU 30	6686	9381	68363	15005	15005	1	Si
86	0.129	7.6	0	6512	SLU 30	6512	8821	68363	15005	15005	1	Si
105	0.121	7.6	0	6337	SLU 30	6337	8821	68363	14103	14103	1	Si
125	0.121	7.6	0	6163	SLU 30	6163	8821	68363	14103	14103	1	Si
144	0.121	7.6	0	5988	SLU 30	5988	8821	68363	14103	14103	1	Si
163	0.121	7.6	0	5814	SLU 30	5814	8821	68363	14103	14103	1	Si
182	0.121	7.6	0	5639	SLU 30	5639	8821	68363	14103	14103	1	Si
201	0.115	7.6	0	5465	SLU 30	5465	8821	68363	13338	13338	1	Si
211	0.115	7.6	0	5378	SLU 30	5378	8821	68363	13338	13338	1	Si
230	0.115	7.6	0	5203	SLU 30	5203	8821	68363	13338	13338	1	Si
249	0.115	7.6	0	5029	SLU 30	5029	8821	68363	13338	13338	1	Si
268	0.115	12.62	0	4862	SLU 30	4862	10445	68363	13338	13338	1	Si
268	0	12.62	0	4854	SLU 30	4854	10445	68363	0	10445	1	Si
288	0	13.95	0	4680	SLU 30	4680	10797	68363	0	10797	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.57	0	11918	SLV 5	13699	10955	68363	0	10955	1	Si
0	0	7.6	0	-1780	SLV 11	-3560	-8821	-68363	0	-8821	1	Si
10	0	11.4	0	11851	SLV 5	13632	10097	68363	0	10097	1	Si
10	0	7.6	0	-1847	SLV 11	-3628	-8821	-68363	0	-8821	1	Si
19	0	11.4	0	11784	SLV 5	13565	10097	68363	0	10097	1	Si
19	0	7.6	0	-1914	SLV 11	-3695	-8821	-68363	0	-8821	1	Si
20	0.129	11.4	0	11778	SLV 5	13559	10097	68363	15005	15005	1	Si
20	0.129	7.6	0	-1920	SLV 11	-3700	-8821	-68363	-15005	-15005	1	Si
38	0.129	10.5	0	11650	SLV 5	13430	9823	68363	15005	15005	1	Si
38	0.129	7.6	0	-2048	SLV 11	-3829	-8821	-68363	-15005	-15005	1	Si
58	0.129	9.6	0	11515	SLV 5	13296	9533	68363	15005	15005	1	Si
58	0.129	7.6	0	-2182	SLV 11	-3963	-8821	-68363	-15005	-15005	1	Si
67	0.129	9.14	0	11448	SLV 5	13229	9381	68363	15005	15005	1	Si
67	0.129	7.6	0	-2249	SLV 11	-4030	-8821	-68363	-15005	-15005	1	Si
86	0.129	7.6	0	11314	SLV 5	13095	8821	68363	15005	15005	1	Si
86	0.129	7.6	0	-2384	SLV 11	-4164	-8821	-68363	-15005	-15005	1	Si
105	0.121	7.6	0	11180	SLV 5	12961	8821	68363	14103	14103	1	Si
105	0.121	7.6	0	-2518	SLV 11	-4299	-8821	-68363	-14103	-14103	1	Si
125	0.121	7.6	0	11046	SLV 5	12826	8821	68363	14103	14103	1	Si
125	0.121	7.6	0	-2652	SLV 11	-4433	-8821	-68363	-14103	-14103	1	Si
144	0.121	7.6	0	10912	SLV 5	12692	8821	68363	14103	14103	1	Si
144	0.121	7.6	0	-2786	SLV 11	-4567	-8821	-68363	-14103	-14103	1	Si
163	0.121	7.6	0	10777	SLV 5	12558	8821	68363	14103	14103	1	Si
163	0.121	7.6	0	-2920	SLV 11	-4701	-8821	-68363	-14103	-14103	1	Si
182	0.121	7.6	0	10643	SLV 5	12424	8821	68363	14103	14103	1	Si
182	0.121	7.6	0	-3055	SLV 11	-4835	-8821	-68363	-14103	-14103	1	Si
201	0.115	7.6	0	10509	SLV 5	12290	8821	68363	13338	13338	1	Si
201	0.115	7.6	0	-3189	SLV 11	-4970	-8821	-68363	-13338	-13338	1	Si
211	0.115	7.6	0	10442	SLV 5	12223	8821	68363	13338	13338	1	Si
211	0.115	7.6	0	-3256	SLV 11	-5037	-8821	-68363	-13338	-13338	1	Si
230	0.115	7.6	0	10308	SLV 5	12088	8821	68363	13338	13338	1	Si
230	0.115	7.6	0	-3390	SLV 11	-5171	-8821	-68363	-13338	-13338	1	Si
249	0.115	7.6	0	10173	SLV 5	11954	8821	68363	13338	13338	1	Si
249	0.115	7.6	0	-3524	SLV 11	-5305	-8821	-68363	-13338	-13338	1	Si
268	0.115	12.62	0	10045	SLV 5	11826	10445	68363	13338	13338	1	Si
268	0.115	7.6	0	-3653	SLV 11	-5434	-8821	-68363	-13338	-13338	1	Si
268	0	12.62	0	10039	SLV 5	11820	10445	68363	0	10445	1	Si
268	0	7.6	0	-3659	SLV 11	-5439	-8821	-68363	0	-8821	1	Si
288	0	13.95	0	9905	SLV 5	11686	10797	68363	0	10797	1	Si
288	0	7.6	0	-3793	SLV 11	-5574	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.57	0	8099	SLD 5	8099	10955	68363	0	10955	1	Si
10	0	11.4	0	8032	SLD 5	8032	10097	68363	0	10097	1	Si
19	0	11.4	0	7965	SLD 5	7965	10097	68363	0	10097	1	Si
20	0.129	11.4	0	7959	SLD 5	7959	10097	68363	15005	15005	1	Si
38	0.129	10.5	0	7831	SLD 5	7831	9823	68363	15005	15005	1	Si
58	0.129	9.6	0	7696	SLD 5	7696	9533	68363	15005	15005	1	Si
67	0.129	9.14	0	7629	SLD 5	7629	9381	68363	15005	15005	1	Si
86	0.129	7.6	0	7495	SLD 5	7495	8821	68363	15005	15005	1	Si
105	0.121	7.6	0	7361	SLD 5	7361	8821	68363	14103	14103	1	Si
125	0.121	7.6	0	7227	SLD 5	7227	8821	68363	14103	14103	1	Si
144	0.121	7.6	0	7092	SLD 5	7092	8821	68363	14103	14103	1	Si
163	0.121	7.6	0	6958	SLD 5	6958	8821	68363	14103	14103	1	Si
182	0.121	7.6	0	6824	SLD 5	6824	8821	68363	14103	14103	1	Si
201	0.115	7.6	0	6690	SLD 5	6690	8821	68363	13338	13338	1	Si
211	0.115	7.6	0	6623	SLD 5	6623	8821	68363	13338	13338	1	Si
230	0.115	7.6	0	6489	SLD 5	6489	8821	68363	13338	13338	1	Si
249	0.115	7.6	0	6354	SLD 5	6354	8821	68363	13338	13338	1	Si
268	0.115	12.62	0	6226	SLD 5	6226	10445	68363	13338	13338	1	Si
268	0	12.62	0	6220	SLD 5	6220	10445	68363	0	10445	1	Si
288	0	13.95	0	6086	SLD 5	6086	10797	68363	0	10797	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-597106	3	-543233	17.7	124.5	497.5	1837	-558868	2	-508202	16.5	93.4	0	+∞	Si
19	-495058	3	-494991	16.1	124.5	453.3	1837	-462969	2	-462907	15	93.4	0	+∞	Si
20	-490734	3	-490734	16	124.5	449.4	1837	-458910	2	-458910	14.9	93.4	0	+∞	Si
38	-395584	3	-490734	16.5	124.5	492.2	1837	-369643	2	-458910	15.4	93.4	0	+∞	Si
58	-298682	3	-446629	15.5	124.5	497.9	1837	-278890	2	-417514	14.5	93.4	0	+∞	Si
67	-251197	3	-397192	14.1	124.5	469.1	1837	-234478	2	-371151	13.2	93.4	0	+∞	Si
86	-158155	3	-300249	11.6	124.5	448.6	1837	-147584	2	-280356	10.8	93.4	0	+∞	Si
105	-67685	3	-205879	8.2	124.5	333	1837	-63264	2	-192134	7.6	93.4	0	+∞	Si
125	20748	2	148910	3.8	124.5	57.6	1837	18484	2	137517	6	93.4	0	+∞	Si
144	105943	2	230205	6	124.5	90	1837	97659	2	212791	9.5	93.4	0	+∞	Si
163	188566	2	308926	8	124.5	120.7	1837	174260	2	285491	12.8	93.4	0	+∞	Si
182	268615	2	385114	10	124.5	150.5	1837	248289	2	355619	16	93.4	0	+∞	Si
201	346092	2	458817	17.1	124.5	621.6	1837	319745	2	423173	15.8	93.4	0	+∞	Si
211	383903	3	494703	17.8	124.5	610.4	1837	354508	2	455986	16.4	93.4	0	+∞	Si
230	457648	3	564547	21	124.5	763.1	1837	422105	2	519681	19.4	93.4	0	+∞	Si
249	528820	3	594484	20.7	124.5	669.7	1837	487128	2	546909	19.1	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
268	594484	3	594484	19.3	124.5	544.4	1837	546909	2	546909	17.8	93.4	0	+∞	Si
268	597419	3	597335	19.4	124.5	547	1837	549579	2	549501	17.9	93.4	0	+∞	Si
288	663445	3	629651	20.5	124.5	576.6	1837	609456	2	578870	18.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
38	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
58	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
67	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
86	0	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
105	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
125	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
144	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
163	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.007	2	9999	Si
182	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
201	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.004	0.004	0.01	2	0.008	2	9999	Si
211	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.004	0.004	0.01	2	0.008	2	9999	Si
230	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
249	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
268	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
268	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	4929	8630	15005	SLV 5	0.42	1044	1.17	-458910	906489	963795	SLV 11	0.56	2295	1.616	Si
38	4801	8630	15005	SLV 5	0.43	1080	1.186	-458910	906489	963729	SLV 11	0.56	2295	1.616	Si
58	4667	8630	15005	SLV 5	0.43	1118	1.203	-417514	848700	963646	SLV 11	0.57	2474	1.666	Si
67	4599	8630	15005	SLV 5	0.44	1137	1.212	-371151	783118	963599	SLV 11	0.57	2474	1.666	Si
86	4465	8630	15005	SLV 5	0.44	1176	1.228	-280356	-651986	-1414576	SLV 5	0.57	2474	1.666	Si
105	4331	8630	14103	SLV 5	0.41	964	1.132	-192134	-520917	-1307258	SLV 5	0.57	2474	1.666	Si
125	4197	8630	14103	SLV 5	0.42	998	1.148	-106485	389962	963199	SLV 11	0.57	2474	1.666	Si
144	4063	8630	14103	SLV 5	0.42	1034	1.165	-23409	-295469	-962923	SLV 1	0.57	2474	1.666	Si
163	3928	8630	14103	SLV 5	0.43	1071	1.182	285491	320114	962923	SLV 9	0.57	2474	1.666	Si
182	3794	8630	14103	SLV 5	0.43	1109	1.199	355619	430855	962923	SLV 9	0.5	1721	1.436	Si
201	3660	8630	13338	SLV 5	0.41	941	1.121	423173	548145	1559328	SLV 9	0.57	2474	1.666	Si
211	3593	8630	13338	SLV 5	0.41	957	1.129	455986	608614	1712471	SLV 9	0.57	2474	1.666	Si
230	3459	8630	13338	SLV 5	0.41	991	1.145	519681	737677	1563055	SLV 5	0.51	1737	1.441	Si
249	3324	8630	13338	SLV 5	0.42	1027	1.162	546909	794682	1876892	SLV 5	0.57	2474	1.666	Si
268	3196	8630	13338	SLV 5	0.42	1062	1.178	546909	-794682	-963795	SLV 11	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	4929	3030	15005	SLD 5	0.44	1206	3.123	-458910	401023	963795	SLD 11	0.47	1431	3.35	Si
38	4801	3030	15005	SLD 5	0.45	1248	3.167	-458910	401023	963729	SLD 11	0.47	1431	3.35	Si
58	4667	3030	15005	SLD 5	0.46	1292	3.212	-417514	375458	963646	SLD 11	0.49	1577	3.486	Si
67	4599	3030	15005	SLD 5	0.46	1314	3.235	-371151	346446	963599	SLD 11	0.51	1784	3.667	Si
86	4465	3030	15005	SLD 5	0.46	1359	3.28	-280356	-288436	-1414576	SLD 5	0.52	1884	3.75	Si
105	4331	3030	14103	SLD 5	0.43	1111	3.02	-192134	-230453	-1307258	SLD 5	0.6	2474	4.193	Si
125	4197	3030	14103	SLD 5	0.44	1153	3.066	-106485	172521	963199	SLD 11	0.6	2474	4.193	Si
144	4063	3030	14103	SLD 5	0.44	1195	3.111	-23409	-130747	-962923	SLD 1	0.6	2474	4.193	Si
163	3928	3030	14103	SLD 5	0.45	1237	3.156	285491	141610	962923	SLD 9	0.6	2474	4.193	Si
182	3794	3030	14103	SLD 5	0.45	1281	3.201	355619	190596	962923	SLD 9	0.43	1076	2.98	Si
201	3660	3030	13338	SLD 5	0.43	1083	2.988	423173	242479	1559328	SLD 9	0.6	2474	4.193	Si
211	3593	3030	13338	SLD 5	0.43	1104	3.012	455986	269229	1712471	SLD 9	0.6	2474	4.193	Si
230	3459	3030	13338	SLD 5	0.44	1145	3.057	519681	326324	1563055	SLD 5	0.43	1086	2.992	Si
249	3324	3030	13338	SLD 5	0.44	1187	3.103	546909	351541	1876892	SLD 5	0.5	1699	3.594	Si
268	3196	3030	13338	SLD 5	0.45	1227	3.145	546909	-351541	-963795	SLD 11	0.57	2390	4.134	Si

Campata 6 tra i fili 58 - 55, sezione R 40x70, asta 1122

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	511918	SLU 30	511918	2315301	0.107						Si
19	7.6	5.4	19.01	5.4	545311	SLU 30	545311	2315301	0.107						Si
20	7.6	5.4	19.01	5.4	546939	SLU 30	591390	2315301	0.107						Si
38	7.6	5.4	18.15	5.4	575420	SLU 30	615104	2214099	0.104						Si
57	7.6	5.4	15.59	5.4	602243	SLU 30	636901	1911312	0.097						Si
76	7.6	5.4	11.4	5.4	625781	SLU 30	655413	1414576	0.086						Si
85	7.6	5.4	11.4	5.4	636318	SLU 30	663437	1414576	0.086						Si
104	7.6	5.4	11.4	5.4	654928	SLU 30	677021	1414576	0.086						Si
123	7.6	5.4	11.4	5.4	670254	SLU 30	687320	1414576	0.086						Si
142	7.6	5.4	11.4	5.4	682294	SLU 30	694334	1414576	0.086						Si
161	7.6	5.4	11.4	5.4	691049	SLU 30	698063	1414576	0.086						Si
171	7.6	5.4	11.4	5.4	694195	SLU 30	698704	1414576	0.086						Si
180	7.6	5.4	11.4	5.4	696519	SLU 30	698704	1414576	0.086						Si
199	7.6	5.4	11.4	5.4	698704	SLU 30	698704	1414576	0.086						Si
218	7.6	5.4	11.4	5.4	697604	SLU 30	698704	1414576	0.086						Si
228	7.6	5.4	13.5	5.4	695822	SLU 30	698704	1663095	0.092						Si
247	7.6	5.4	14.78	5.4	689794	SLU 30	697662	1814758	0.095						Si
265	7.6	5.4	15.21	5.4	681015	SLU 30	693649	1865528	0.096						Si
266	7.6	5.4	15.21	5.4	680481	SLU 30	680461	1865528	0.096						Si
285	7.6	5.4	15.21	5.4	667883	SLU 30	667883	1865528	0.096						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	1289249	SLV 7	1241528	2315301	0.107	-620932	SLV 9	-545496	-963795	0.081	Si
19	7.6	5.4	19.01	5.4	1196536	SLV 7	1196434	2315301	0.107	-477973	SLV 9	-477861	-963795	0.081	Si
20	7.6	5.4	19.01	5.4	1191562	SLV 7	1191562	2315301	0.107	-470554	SLV 9	-470554	-963795	0.081	Si
38	7.6	5.4	18.15	5.4	1101443	SLV 7	1191562	2214099	0.104	-337688	SLV 9	-470554	-963763	0.081	Si
57	7.6	5.4	15.59	5.4	1004007	SLV 7	1152120	1911312	0.097	-200115	SLV 9	-411723	-963653	0.08	Si
66	7.6	5.4	11.4	5.4	954426	SLV 7	1104313	1414576	0.086	-132360	SLV 9	-341877	-963377	0.08	Si
76	7.6	5.4	11.4	5.4	904279	SLV 7	1055921	1414576	0.086	-65303	SLV 9	-272708	-963377	0.08	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
85	7.6	5.4	11.4	5.4	853575	SLV 7	1006948	1414576	0.086	1048	SLV 9	-204222	-963377	0.08	Si
104	7.6	5.4	11.4	5.4	750552	SLV 7	907288	1414576	0.086	131573	SLV 9	-69326	-963377	0.08	Si
123	7.6	5.4	11.4	5.4	645563	SLV 7	805402	1414576	0.086						Si
142	7.6	5.4	11.4	5.4	561754	SLV 3	701415	1414576	0.086						Si
161	7.6	5.4	11.4	5.4	570121	SLV 1	738156	1414576	0.086						Si
180	7.6	5.4	11.4	5.4	676245	SLV 5	853611	1414576	0.086						Si
199	7.6	5.4	11.4	5.4	792672	SLV 5	967069	1414576	0.086	151158	SLV 11	-29640	-963377	0.08	Si
218	7.6	5.4	11.4	5.4	907208	SLV 5	1078418	1414576	0.086	33801	SLV 11	-151544	-963377	0.08	Si
228	7.6	5.4	13.5	5.4	963710	SLV 5	1133279	1663095	0.092	-26007	SLV 11	-213576	-963533	0.08	Si
247	7.6	5.4	14.78	5.4	1075125	SLV 5	1178638	1814758	0.095	-147824	SLV 11	-265914	-963610	0.08	Si
265	7.6	5.4	15.21	5.4	1178638	SLV 5	1178638	1865528	0.096	-265914	SLV 11	-265914	-963633	0.08	Si
266	7.6	5.4	15.21	5.4	1184358	SLV 5	1183922	1865528	0.096	-272514	SLV 11	-272107	-963633	0.08	Si
285	7.6	5.4	15.21	5.4	1291347	SLV 5	1232835	1865528	0.096	-400013	SLV 11	-329435	-963633	0.08	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	756676	SLD 7	743294	2315301	0.107	-88359	SLD 9	-47262	-963795	0.081	Si
19	7.6	5.4	19.01	5.4	729674	SLD 7	729631	2315301	0.107	-11111	SLD 9	-11059	-963795	0.081	Si
20	7.6	5.4	19.01	5.4	728155	SLD 7	728155	2315301	0.107	-7148	SLD 9	-7148	-963795	0.081	Si
38	7.6	5.4	18.15	5.4	700210	SLD 7	728155	2214099	0.104	63545	SLD 9	-7148	-963763	0.081	Si
57	7.6	5.4	15.59	5.4	668300	SLD 7	716114	1911312	0.097						Si
76	7.6	5.4	11.4	5.4	633967	SLD 7	685499	1414576	0.086						Si
85	7.6	5.4	11.4	5.4	615901	SLD 7	669276	1414576	0.086						Si
104	7.6	5.4	11.4	5.4	577996	SLD 7	635015	1414576	0.086						Si
123	7.6	5.4	11.4	5.4	537810	SLD 7	598361	1414576	0.086						Si
142	7.6	5.4	11.4	5.4	505578	SLD 3	559367	1414576	0.086						Si
161	7.6	5.4	11.4	5.4	512703	SLD 1	589528	1414576	0.086						Si
180	7.6	5.4	11.4	5.4	561645	SLD 5	640476	1414576	0.086						Si
199	7.6	5.4	11.4	5.4	613771	SLD 5	689131	1414576	0.086						Si
218	7.6	5.4	11.4	5.4	663650	SLD 5	735444	1414576	0.086						Si
228	7.6	5.4	13.5	5.4	687722	SLD 5	757712	1663095	0.092						Si
247	7.6	5.4	14.78	5.4	734106	SLD 5	775831	1814758	0.095						Si
265	7.6	5.4	15.21	5.4	775831	SLD 5	775831	1865528	0.096						Si
266	7.6	5.4	15.21	5.4	778116	SLD 5	777915	1865528	0.096						Si
285	7.6	5.4	15.21	5.4	819724	SLD 5	797204	1865528	0.096						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	1844	SLU 30	1844	10097	68363	0	10097	1	Si
19	0	11.4	0	1671	SLU 30	1671	10097	68363	0	10097	1	Si
20	0.086	11.4	0	1662	SLU 30	1662	10097	68363	10004	10097	1	Si
38	0.086	11.4	0	1498	SLU 30	1498	10097	68363	10004	10097	1	Si
57	0.086	11.4	0	1325	SLU 30	1325	10097	68363	10004	10097	1	Si
76	0.086	11.4	0	1152	SLU 30	1152	10097	68363	10004	10097	1	Si
85	0.086	11.4	0	1066	SLU 30	1066	10097	68363	10004	10097	1	Si
104	0.063	11.4	0	893	SLU 30	893	10097	68363	7336	10097	1	Si
123	0.063	11.4	0	720	SLU 30	720	10097	68363	7336	10097	1	Si
142	0.063	11.4	0	547	SLU 30	547	10097	68363	7336	10097	1	Si
161	0.063	11.4	0	374	SLU 30	374	10097	68363	7336	10097	1	Si
180	0.063	11.4	0	201	SLU 30	201	10097	68363	7336	10097	1	Si
199	0.063	11.4	0	48	SLU 12	48	10097	68363	7336	10097	1	Si
199	0.063	11.4	0	-59	SLU 19	-59	-10097	-68363	-7336	-10097	1	Si
218	0.063	11.4	0	-232	SLU 19	-232	-10097	-68363	-7336	-10097	1	Si
228	0.063	11.4	0	-318	SLU 19	-318	-10097	-68363	-7336	-10097	1	Si
247	0.063	11.4	0	-491	SLU 19	-491	-10097	-68363	-7336	-10097	1	Si
265	0.063	11.4	0	-655	SLU 19	-655	-10097	-68363	-7336	-10097	1	Si
266	0	11.4	0	-664	SLU 19	-664	-10097	-68363	0	-10097	1	Si
285	0	11.4	0	-837	SLU 19	-837	-10097	-68363	0	-10097	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	7634	SLV 9	9258	8821	68363	0	8821	1	Si
0	0	11.4	0	-4857	SLV 7	-6480	-10097	-68363	0	-10097	1	Si
19	0	7.6	0	7501	SLV 9	9125	8821	68363	0	8821	1	Si
19	0	11.4	0	-4990	SLV 7	-6613	-10097	-68363	0	-10097	1	Si
20	0.086	7.6	0	7494	SLV 9	9118	8821	68363	10004	10004	1	Si
20	0.086	11.4	0	-4997	SLV 7	-6620	-10097	-68363	-10004	-10097	1	Si
38	0.086	7.6	0	7368	SLV 9	8992	8821	68363	10004	10004	1	Si
38	0.086	11.4	0	-5123	SLV 7	-6746	-10097	-68363	-10004	-10097	1	Si
57	0.086	7.6	0	7235	SLV 9	8859	8821	68363	10004	10004	1	Si
57	0.086	11.4	0	-5256	SLV 7	-6879	-10097	-68363	-10004	-10097	1	Si
76	0.086	7.6	0	7102	SLV 9	8726	8821	68363	10004	10004	1	Si
76	0.086	11.4	0	-5389	SLV 7	-7012	-10097	-68363	-10004	-10097	1	Si
85	0.086	11.4	0	7036	SLV 9	8659	10097	68363	10004	10097	1	Si
85	0.086	11.4	0	-5455	SLV 7	-7079	-10097	-68363	-10004	-10097	1	Si
104	0.063	11.4	0	6903	SLV 9	8526	10097	68363	7336	10097	1	Si
104	0.063	11.4	0	-5588	SLV 7	-7212	-10097	-68363	-7336	-10097	1	Si
123	0.063	11.4	0	6770	SLV 9	8393	10097	68363	7336	10097	1	Si
123	0.063	11.4	0	-5721	SLV 7	-7345	-10097	-68363	-7336	-10097	1	Si
142	0.063	11.4	0	6637	SLV 9	8260	10097	68363	7336	10097	1	Si
142	0.063	11.4	0	-5854	SLV 7	-7478	-10097	-68363	-7336	-10097	1	Si
161	0.063	11.4	0	6504	SLV 9	8127	10097	68363	7336	10097	1	Si
161	0.063	11.4	0	-5987	SLV 7	-7611	-10097	-68363	-7336	-10097	1	Si
180	0.063	11.4	0	6371	SLV 9	7994	10097	68363	7336	10097	1	Si
180	0.063	11.4	0	-6120	SLV 7	-7744	-10097	-68363	-7336	-10097	1	Si
199	0.063	11.4	0	6238	SLV 9	7861	10097	68363	7336	10097	1	Si
199	0.063	11.4	0	-6253	SLV 7	-7877	-10097	-68363	-7336	-10097	1	Si
218	0.063	11.4	0	6105	SLV 9	7728	10097	68363	7336	10097	1	Si
218	0.063	11.4	0	-6386	SLV 7	-8010	-10097	-68363	-7336	-10097	1	Si
228	0.063	11.4	0	6038	SLV 9	7662	10097	68363	7336	10097	1	Si
228	0.063	11.4	0	-6453	SLV 7	-8076	-10097	-68363	-7336	-10097	1	Si
247	0.063	11.4	0	5905	SLV 9	7529	10097	68363	7336	10097	1	Si
247	0.063	7.6	0	-6586	SLV 7	-8209	-8821	-68363	-7336	-8821	1	Si
265	0.063	11.4	0	5779	SLV 9	7403	10097	68363	7336	10097	1	Si
265	0.063	7.6	0	-6712	SLV 7	-8335	-8821	-68363	-7336	-8821	1	Si
266	0	11.4	0	5772	SLV 9	7396	10097	68363	0	10097	1	Si
266	0	7.6	0	-6719	SLV 7	-8342	-8821	-68363	0	-8821	1	Si
285	0	11.4	0	5639	SLV 9	7263	10097	68363	0	10097	1	Si
285	0	7.6	0	-6852	SLV 7	-8475	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4151	SLD 9	4151	8821	68363	0	8821	1	Si
0	0	11.4	0	-1374	SLD 7	-1374	-10097	-68363	0	-10097	1	Si
19	0	7.6	0	4018	SLD 9	4018	8821	68363	0	8821	1	Si
19	0	11.4	0	-1507	SLD 7	-1507	-10097	-68363	0	-10097	1	Si
20	0.086	7.6	0	4011	SLD 9	4011	8821	68363	10004	10004	1	Si
20	0.086	11.4	0	-1514	SLD 7	-1514	-10097	-68363	-10004	-10097	1	Si
38	0.086	11.4	0	3885	SLD 9	3885	10097	68363	10004	10097	1	Si
38	0.086	11.4	0	-1640	SLD 7	-1640	-10097	-68363	-10004	-10097	1	Si
57	0.086	11.4	0	3752	SLD 9	3752	10097	68363	10004	10097	1	Si
57	0.086	11.4	0	-1773	SLD 7	-1773	-10097	-68363	-10004	-10097	1	Si
76	0.086	11.4	0	3619	SLD 9	3619	10097	68363	10004	10097	1	Si
76	0.086	11.4	0	-1906	SLD 7	-1906	-10097	-68363	-10004	-10097	1	Si
85	0.086	11.4	0	3553	SLD 9	3553	10097	68363	10004	10097	1	Si
85	0.086	11.4	0	-1972	SLD 7	-1972	-10097	-68363	-10004	-10097	1	Si
104	0.063	11.4	0	3420	SLD 9	3420	10097	68363	7336	10097	1	Si
104	0.063	11.4	0	-2105	SLD 7	-2105	-10097	-68363	-7336	-10097	1	Si
123	0.063	11.4	0	3287	SLD 9	3287	10097	68363	7336	10097	1	Si
123	0.063	11.4	0	-2238	SLD 7	-2238	-10097	-68363	-7336	-10097	1	Si
142	0.063	11.4	0	3154	SLD 9	3154	10097	68363	7336	10097	1	Si
142	0.063	11.4	0	-2371	SLD 7	-2371	-10097	-68363	-7336	-10097	1	Si
161	0.063	11.4	0	3021	SLD 9	3021	10097	68363	7336	10097	1	Si
161	0.063	11.4	0	-2504	SLD 7	-2504	-10097	-68363	-7336	-10097	1	Si
180	0.063	11.4	0	2888	SLD 9	2888	10097	68363	7336	10097	1	Si
180	0.063	11.4	0	-2637	SLD 7	-2637	-10097	-68363	-7336	-10097	1	Si
199	0.063	11.4	0	2755	SLD 9	2755	10097	68363	7336	10097	1	Si
199	0.063	11.4	0	-2770	SLD 7	-2770	-10097	-68363	-7336	-10097	1	Si
218	0.063	11.4	0	2622	SLD 9	2622	10097	68363	7336	10097	1	Si
218	0.063	11.4	0	-2903	SLD 7	-2903	-10097	-68363	-7336	-10097	1	Si
228	0.063	11.4	0	2555	SLD 9	2555	10097	68363	7336	10097	1	Si
228	0.063	11.4	0	-2970	SLD 7	-2970	-10097	-68363	-7336	-10097	1	Si
247	0.063	11.4	0	2422	SLD 9	2422	10097	68363	7336	10097	1	Si
247	0.063	11.4	0	-3103	SLD 7	-3103	-10097	-68363	-7336	-10097	1	Si
265	0.063	11.4	0	2296	SLD 9	2296	10097	68363	7336	10097	1	Si
265	0.063	11.4	0	-3229	SLD 7	-3229	-10097	-68363	-7336	-10097	1	Si
266	0	11.4	0	2289	SLD 9	2289	10097	68363	0	10097	1	Si
266	0	11.4	0	-3236	SLD 7	-3236	-10097	-68363	0	-10097	1	Si
285	0	11.4	0	2156	SLD 9	2156	10097	68363	0	10097	1	Si
285	0	11.4	0	-3369	SLD 7	-3369	-10097	-68363	0	-10097	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	369128	3	369128	12	124.5	338	1837	334158	2	334158	10.9	93.4	0	+∞	Si
19	394593	3	394593	12.8	124.5	361.3	1837	359281	2	359281	11.7	93.4	0	+∞	Si
20	395833	3	429687	14	124.5	393.5	1837	360504	2	393834	12.8	93.4	0	+∞	Si
38	417531	3	447718	14.8	124.5	428.4	1837	381877	2	411540	13.6	93.4	0	+∞	Si
57	437942	3	464262	16.1	124.5	513.7	1837	401946	2	427743	14.8	93.4	0	+∞	Si
76	455826	3	478280	18.5	124.5	714.5	1837	419488	2	441418	17.1	93.4	0	+∞	Si
85	463821	3	484342	18.7	124.5	723.6	1837	427311	2	447309	17.3	93.4	0	+∞	Si
104	477914	3	494569	19.1	124.5	738.9	1837	441063	2	457194	17.7	93.4	0	+∞	Si
123	489481	3	502269	19.4	124.5	750.4	1837	452287	2	464552	17.9	93.4	0	+∞	Si
142	498521	3	507443	19.6	124.5	758.1	1837	460985	2	469383	18.1	93.4	0	+∞	Si
161	505033	3	510089	19.7	124.5	762.1	1837	467155	2	471687	18.2	93.4	0	+∞	Si
180	509019	3	510478	19.7	124.5	762.7	1837	470798	2	471915	18.2	93.4	0	+∞	Si
199	510478	3	510478	19.7	124.5	762.7	1837	471915	2	471915	18.2	93.4	0	+∞	Si
218	509409	3	510478	19.7	124.5	762.7	1837	470504	2	471915	18.2	93.4	0	+∞	Si
228	507928	3	510478	18.6	124.5	648.6	1837	468851	2	471915	17.2	93.4	0	+∞	Si
247	503069	3	509460	18	124.5	593.4	1837	463650	2	470566	16.6	93.4	0	+∞	Si
265	496105	3	506163	17.7	124.5	573.7	1837	456362	2	466944	16.3	93.4	0	+∞	Si
266	495683	3	495668	17.3	124.5	561.8	1837	455922	2	455908	15.9	93.4	0	+∞	Si
285	485770	3	485770	17	124.5	550.6	1837	445667	2	445667	15.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.006	2	9999	Si
20	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.008	2	0.007	2	9999	Si
38	0.007	0.005	0.006	0.005	0.006	0.005	0.006	0.005	0.006	0.005	0.014	2	0.012	2	9999	Si
57	0.009	0.008	0.008	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.019	2	0.017	2	9999	Si
76	0.011	0.009	0.01	0.008	0.011	0.009	0.01	0.008	0.011	0.009	0.024	2	0.021	2	9999	Si
85	0.012	0.01	0.011	0.009	0.012	0.01	0.01	0.009	0.011	0.01	0.026	2	0.022	2	9999	Si
104	0.014	0.011	0.012	0.01	0.013	0.011	0.012	0.01	0.013	0.011	0.029	2	0.025	2	9937	Si
123	0.015	0.012	0.013	0.011	0.014	0.012	0.012	0.011	0.014	0.012	0.031	2	0.027	2	9324	Si
142	0.015	0.012	0.013	0.011	0.014	0.012	0.013	0.011	0.014	0.012	0.031	2	0.027	2	9100	Si
161	0.015	0.012	0.013	0.011	0.014	0.012	0.013	0.011	0.014	0.012	0.031	2	0.027	2	9216	Si
180	0.014	0.011	0.013	0.01	0.013	0.011	0.012	0.01	0.013	0.011	0.029	2	0.026	2	9708	Si
199	0.013	0.01	0.011	0.009	0.012	0.01	0.011	0.009	0.012	0.01	0.027	2	0.023	2	9999	Si
218	0.011	0.009	0.01	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.023	2	0.02	2	9999	Si
228	0.01	0.008	0.009	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.02	2	0.018	2	9999	Si
247	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.015	2	0.013	2	9999	Si
265	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.007	2	9999	Si
266	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.008	2	0.007	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1249	7869	10004	SLV 9	0.4	923	1.112	360504	-831058	-963795	SLV 9	0.57	2390	1.643	Si
38	1123	7869	10004	SLV 9	0.41	956	1.128	360504	-831058	-963763	SLV 9	0.57	2390	1.643	Si
57	990	7869	10004	SLV 9	0.41	992	1.146	370198	-781921	-963653	SLV 9	0.57	2474	1.666	Si
76	857	7869	10004	SLV 9	0.42	1032	1.164	391607	664314	1414576	SLV 7	0.55	2181	1.582	Si
85	790	7869	10097	SLV 9	0.43	1080	1.186	401363	605585	1414576	SLV 7	0.57	2474	1.666	Si
104	657	7869	10097	SLV 9	0.43	1121	1.205	418981	488307	1414576	SLV 7	0.57	2474	1.666	Si
123	524	7869	10097	SLV 9	0.44	1164	1.223	434071	371331	1414576	SLV 7	0.57	2474	1.666	Si
142	391	7869	10097	SLV 9	0.44	1207	1.242	446635	254779	1414576	SLV 7	0.57	2474	1.666	Si
161	258	7869	10097	SLV 9	0.45	1251	1.26	471687	266468	1414576	SLV 5	0.57	2474	1.666	Si
180	125	7869	10097	SLV 9	0.46	1296	1.278	471464	382147	1414576	SLV 5	0.57	2474	1.666	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
199	-8	-7869	-10097	SLV 7	0.46	1337	1.295	468714	498354	1414576	SLV 5	0.57	2474	1.666	Si
218	-141	-7869	-10097	SLV 7	0.46	1291	1.276	463437	614981	1414576	SLV 5	0.55	2207	1.59	Si
228	-207	-7869	-10097	SLV 7	0.45	1268	1.267	459851	673427	1663095	SLV 5	0.57	2474	1.666	Si
247	-340	-7869	-8821	SLV 7	0.39	854	1.077	456362	722276	1814758	SLV 5	0.57	2474	1.666	Si
265	-466	-7869	-8821	SLV 7	0.39	823	1.061	456362	722276	1865528	SLV 5	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1249	2763	10004	SLD 9	0.42	1060	2.962	360504	-367652	-963795	SLD 9	0.48	1491	3.407	Si
38	1123	2763	10097	SLD 9	0.43	1134	3.045	360504	-367652	-963763	SLD 9	0.48	1491	3.407	Si
57	990	2763	10097	SLD 9	0.44	1179	3.094	370198	-345916	-963653	SLD 9	0.51	1788	3.67	Si
76	857	2763	10097	SLD 9	0.45	1225	3.143	391607	293892	1414576	SLD 7	0.46	1361	3.282	Si
85	790	2763	10097	SLD 9	0.45	1248	3.167	401363	267913	1414576	SLD 7	0.5	1698	3.593	Si
104	657	2763	10097	SLD 9	0.46	1296	3.217	418981	216035	1414576	SLD 7	0.6	2474	4.193	Si
123	524	2763	10097	SLD 9	0.46	1345	3.266	434071	164289	1414576	SLD 7	0.6	2474	4.193	Si
142	391	2763	10097	SLD 9	0.47	1395	3.315	446635	112731	1414576	SLD 7	0.6	2474	4.193	Si
161	258	2763	10097	SLD 9	0.47	1447	3.365	471687	117841	1414576	SLD 5	0.6	2474	4.193	Si
180	125	2763	10097	SLD 9	0.48	1499	3.414	471464	169012	1414576	SLD 5	0.6	2474	4.193	Si
199	-8	-2763	-10097	SLD 7	0.49	1547	3.459	468714	220417	1414576	SLD 5	0.57	2380	4.127	Si
218	-141	-2763	-10097	SLD 7	0.48	1493	3.409	463437	272007	1414576	SLD 5	0.47	1377	3.298	Si
228	-207	-2763	-10097	SLD 7	0.48	1466	3.383	459851	297861	1663095	SLD 5	0.53	2025	3.862	Si
247	-340	-2763	-10097	SLD 7	0.47	1414	3.334	456362	319469	1814758	SLD 5	0.56	2323	4.086	Si
265	-466	-2763	-10097	SLD 7	0.46	1367	3.288	456362	319469	1865528	SLD 5	0.58	2474	4.193	Si

Campata 7 tra i fili 55 - 50, sezione R 40x70, asta 1123

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	859888	SLU 30	825199	1865528	0.096						Si
20	7.6	5.4	15.21	5.4	788698	SLU 30	788698	1865528	0.096						Si
40	7.6	5.4	14.62	5.4	712606	SLU 30	788698	1796170	0.094						Si
61	7.6	5.4	13.26	5.4	633413	SLU 30	746343	1635115	0.091						Si
71	7.6	5.4	11.4	5.4	592429	SLU 30	708026	1414576	0.086						Si
81	7.6	5.4	11.4	5.4	550520	SLU 30	668784	1414576	0.086						Si
91	7.6	5.4	11.4	5.4	507685	SLU 30	628617	1414576	0.086						Si
111	7.6	5.4	11.4	5.4	419240	SLU 30	545507	1414576	0.086						Si
131	7.6	5.4	11.4	5.4	327095	SLU 30	458696	1414576	0.086						Si
151	7.6	5.4	11.4	5.4	231248	SLU 30	368184	1414576	0.086						Si
171	7.6	5.4	11.4	5.4	131701	SLU 30	273972	1414576	0.086	80805	SLU 1	-19256	-963377	0.08	Si
192	9.98	5.4	11.4	5.4	35006	SLU 35	176058	1414449	0.086	19751	SLU 2	-127701	-1245265	0.083	Si
212	10.93	5.4	11.4	5.4	-34801	SLU 8	76722	1414421	0.086	-79320	SLU 29	-239847	-1358019	0.085	Si
232	11.4	5.4	11.4	5.4						-189832	SLU 29	-355694	-1414397	0.086	Si
242	15.19	5.4	11.4	5.4						-246476	SLU 29	-415005	-1863109	0.092	Si
262	17.09	5.4	11.4	5.4						-362539	SLU 29	-483316	-2088353	0.096	Si
283	19.01	5.4	11.4	5.4						-483316	SLU 29	-483316	-2315219	0.1	Si
303	19.01	5.4	11.4	5.4						-605769	SLU 29	-543636	-2315219	0.1	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	1652095	SLV 7	1554966	1865528	0.096	-515648	SLV 9	-462182	-963633	0.08	Si
20	7.6	5.4	15.21	5.4	1456212	SLV 7	1456212	1865528	0.096	-409877	SLV 9	-409877	-963633	0.08	Si
40	7.6	5.4	14.62	5.4	1254332	SLV 7	1456212	1796170	0.094	-305331	SLV 9	-409877	-963600	0.08	Si
61	7.6	5.4	13.26	5.4	1051518	SLV 7	1343031	1635115	0.091	-204779	SLV 9	-350767	-963518	0.08	Si
71	7.6	5.4	11.4	5.4	949264	SLV 7	1242501	1414576	0.086	-155791	SLV 9	-299399	-963377	0.08	Si
81	7.6	5.4	11.4	5.4	846614	SLV 7	1141328	1414576	0.086	-107832	SLV 9	-248812	-963377	0.08	Si
91	7.6	5.4	11.4	5.4	743909	SLV 7	1039552	1414576	0.086	-61241	SLV 9	-199046	-963377	0.08	Si
111	7.6	5.4	11.4	5.4	541830	SLV 11	834595	1414576	0.086	24341	SLV 5	-102380	-963377	0.08	Si
131	7.6	5.4	11.4	5.4	346783	SLV 11	627943	1414576	0.086	97197	SLV 5	-9711	-963377	0.08	Si
151	7.6	5.4	11.4	5.4	255367	SLV 13	432329	1414576	0.086	60728	SLV 3	-220789	-963377	0.08	Si
171	7.6	5.4	11.4	5.4	306213	SLV 9	423145	1414576	0.086	-123696	SLV 7	-443273	-963377	0.08	Si
192	9.98	5.4	11.4	5.4	387830	SLV 9	501345	1414449	0.086	-344586	SLV 7	-668953	-1245265	0.083	Si
212	10.93	5.4	11.4	5.4	467182	SLV 9	576840	1414421	0.086	-568903	SLV 7	-897621	-1358019	0.085	Si
232	11.4	5.4	11.4	5.4	543885	SLV 9	649560	1414397	0.086	-796266	SLV 7	-1129208	-1414397	0.086	Si
242	15.19	5.4	11.4	5.4	581207	SLV 9	684871	1414286	0.085	-911054	SLV 7	-1246087	-1863109	0.092	Si
262	17.09	5.4	11.4	5.4	653765	SLV 9	724077	1414257	0.085	-1142812	SLV 7	-1379415	-2088353	0.096	Si
283	19.01	5.4	11.4	5.4	724077	SLV 9	724077	1414222	0.085	-1379415	SLV 7	-1379415	-2315219	0.1	Si
303	19.01	5.4	11.4	5.4	790450	SLV 9	758006	1414222	0.085	-1614979	SLV 7	-1496545	-2315219	0.1	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	1047767	SLD 7	992619	1865528	0.096						Si
20	7.6	5.4	15.21	5.4	935974	SLD 7	935974	1865528	0.096						Si
40	7.6	5.4	14.62	5.4	819515	SLD 7	935974	1796170	0.094						Si
61	7.6	5.4	13.26	5.4	701267	SLD 7	870822	1635115	0.091						Si
71	7.6	5.4	11.4	5.4	641173	SLD 7	812635	1414576	0.086						Si
81	7.6	5.4	11.4	5.4	580506	SLD 7	753767	1414576	0.086						Si
91	7.6	5.4	11.4	5.4	519417	SLD 7	694234	1414576	0.086						Si
111	7.6	5.4	11.4	5.4	397521	SLD 11	573357	1414576	0.086						Si
131	7.6	5.4	11.4	5.4	277143	SLD 11	450141	1414576	0.086						Si
151	7.6	5.4	11.4	5.4	201086	SLD 13	330216	1414576	0.086	115010	SLD 3	-63793	-963377	0.08	Si
171	7.6	5.4	11.4	5.4	186380	SLD 9	221971	1414576	0.086	-3863	SLD 7	-201766	-963377	0.08	Si
192	9.98	5.4	11.4	5.4	183677	SLD 9	186946	1414449	0.086	-140432	SLD 7	-342737	-1245265	0.083	Si
212	10.93	5.4	11.4	5.4	178379	SLD 9	185135	1414421	0.086	-280100	SLD 7	-486616	-1358019	0.085	Si
232	11.4	5.4	11.4	5.4	170320	SLD 9	181018	1414397	0.086	-422702	SLD 7	-633374	-1414397	0.086	Si
242	15.19	5.4	11.4	5.4	165240	SLD 9	177948	1414286	0.085	-495087	SLD 7	-707828	-1863109	0.092	Si
262	17.09	5.4	11.4	5.4	152966	SLD 9	169726	1414257	0.085	-642013	SLD 7	-793059	-2088353	0.096	Si
283	19.01	5.4	11.4	5.4	137721	SLD 9	158590	1414222	0.085	-793059	SLD 7	-793059	-2315219	0.1	Si
303	19.01	5.4	11.4	5.4	119925	SLD 9	119925	1414222	0.085	-944453	SLD 7	-868079	-2315219	0.1	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.26	0	-3468	SLU 30	-3468	-10618	-68363	0	-10618	1	Si
20	0.115	11.4	0	-3650	SLU 30	-3650	-10097	-68363	-13338	-13338	1	Si
40	0.115	11.4	0	-3835	SLU 30	-3835	-10097	-68363	-13338	-13338	1	Si
61	0.115	11.4	0	-4019	SLU 30	-4019	-10097	-68363	-13338	-13338	1	Si
81	0.115	11.4	0	-4202	SLU 30	-4202	-10097	-68363	-13338	-13338	1	Si
91	0.115	11.4	0	-4294	SLU 30	-4294	-10097	-68363	-13338	-13338	1	Si
111	0.115	11.4	0	-4477	SLU 30	-4477	-10097	-68363	-13338	-13338	1	Si
131	0.115	11.4	0	-4661	SLU 30	-4661	-10097	-68363	-13338	-13338	1	Si
151	0.115	11.4	0	-4844	SLU 30	-4844	-10097	-68363	-13338	-13338	1	Si
171	0.115	11.4	0	-5028	SLU 30	-5028	-10097	-68363	-13338	-13338	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
192	0.115	11.4	0	-5212	SLU 30	-5212	-10097	-68363	-13338	-13338	1	Si
212	0.115	7.6	0	-5395	SLU 30	-5395	-8821	-68363	-13338	-13338	1	Si
232	0.129	7.6	0	-5579	SLU 30	-5579	-8821	-68363	-15005	-15005	1	Si
242	0.129	9.5	0	-5670	SLU 30	-5670	-9502	-68363	-15005	-15005	1	Si
262	0.129	10.45	0	-5854	SLU 30	-5854	-9808	-68363	-15005	-15005	1	Si
283	0.129	11.4	0	-6039	SLU 30	-6039	-10097	-68363	-15005	-15005	1	Si
292	0	11.4	0	-6129	SLU 30	-6129	-10097	-68363	0	-10097	1	Si
303	0	15.19	0	-6221	SLU 30	-6221	-11109	-68363	0	-11109	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5370	SLV 9	7334	8821	68363	0	8821	1	Si
0	0	13.26	0	-9735	SLV 7	-11699	-10618	-68363	0	-10618	1	Si
20	0.115	7.6	0	5230	SLV 9	7194	8821	68363	13338	13338	1	Si
20	0.115	11.4	0	-9875	SLV 7	-11839	-10097	-68363	-13338	-13338	1	Si
40	0.115	7.6	0	5088	SLV 9	7052	8821	68363	13338	13338	1	Si
40	0.115	11.4	0	-10018	SLV 7	-11982	-10097	-68363	-13338	-13338	1	Si
61	0.115	7.6	0	4947	SLV 9	6911	8821	68363	13338	13338	1	Si
61	0.115	11.4	0	-10159	SLV 7	-12123	-10097	-68363	-13338	-13338	1	Si
81	0.115	7.6	0	4806	SLV 9	6770	8821	68363	13338	13338	1	Si
81	0.115	11.4	0	-10300	SLV 7	-12264	-10097	-68363	-13338	-13338	1	Si
91	0.115	7.6	0	4735	SLV 9	6699	8821	68363	13338	13338	1	Si
91	0.115	11.4	0	-10371	SLV 7	-12334	-10097	-68363	-13338	-13338	1	Si
111	0.115	11.4	0	4594	SLV 9	6558	10097	68363	13338	13338	1	Si
111	0.115	11.4	0	-10512	SLV 7	-12476	-10097	-68363	-13338	-13338	1	Si
131	0.115	11.4	0	4453	SLV 9	6417	10097	68363	13338	13338	1	Si
131	0.115	11.4	0	-10653	SLV 7	-12617	-10097	-68363	-13338	-13338	1	Si
151	0.115	11.4	0	4312	SLV 9	6275	10097	68363	13338	13338	1	Si
151	0.115	11.4	0	-10794	SLV 7	-12758	-10097	-68363	-13338	-13338	1	Si
171	0.115	11.4	0	4170	SLV 9	6134	10097	68363	13338	13338	1	Si
171	0.115	7.6	0	-10935	SLV 7	-12899	-8821	-68363	-13338	-13338	1	Si
192	0.115	11.4	0	4029	SLV 9	5993	10097	68363	13338	13338	1	Si
192	0.115	7.6	0	-11077	SLV 7	-13040	-8821	-68363	-13338	-13338	1	Si
212	0.115	11.4	0	3888	SLV 9	5852	10097	68363	13338	13338	1	Si
212	0.115	7.6	0	-11218	SLV 7	-13181	-8821	-68363	-13338	-13338	1	Si
232	0.129	11.4	0	3747	SLV 9	5711	10097	68363	15005	15005	1	Si
232	0.129	7.6	0	-11359	SLV 7	-13323	-8821	-68363	-15005	-15005	1	Si
242	0.129	11.4	0	3676	SLV 9	5640	10097	68363	15005	15005	1	Si
242	0.129	9.5	0	-11429	SLV 7	-13393	-9502	-68363	-15005	-15005	1	Si
262	0.129	11.4	0	3535	SLV 9	5499	10097	68363	15005	15005	1	Si
262	0.129	10.45	0	-11571	SLV 7	-13534	-9808	-68363	-15005	-15005	1	Si
283	0.129	11.4	0	3393	SLV 9	5357	10097	68363	15005	15005	1	Si
283	0.129	11.4	0	-11713	SLV 7	-13677	-10097	-68363	-15005	-15005	1	Si
292	0	11.4	0	3323	SLV 9	5287	10097	68363	0	10097	1	Si
292	0	11.4	0	-11782	SLV 7	-13746	-10097	-68363	0	-10097	1	Si
303	0	11.4	0	3253	SLV 9	5217	10097	68363	0	10097	1	Si
303	0	15.19	0	-11853	SLV 7	-13817	-11109	-68363	0	-11109	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.26	0	1159	SLD 9	1159	10618	68363	0	10618	1	Si
0	0	13.26	0	-5524	SLD 7	-5524	-10618	-68363	0	-10618	1	Si
20	0.115	11.4	0	1019	SLD 9	1019	10097	68363	13338	13338	1	Si
20	0.115	11.4	0	-5664	SLD 7	-5664	-10097	-68363	-13338	-13338	1	Si
40	0.115	11.4	0	877	SLD 9	877	10097	68363	13338	13338	1	Si
40	0.115	11.4	0	-5807	SLD 7	-5807	-10097	-68363	-13338	-13338	1	Si
61	0.115	11.4	0	736	SLD 9	736	10097	68363	13338	13338	1	Si
61	0.115	11.4	0	-5948	SLD 7	-5948	-10097	-68363	-13338	-13338	1	Si
81	0.115	11.4	0	595	SLD 9	595	10097	68363	13338	13338	1	Si
81	0.115	11.4	0	-6089	SLD 7	-6089	-10097	-68363	-13338	-13338	1	Si
91	0.115	11.4	0	524	SLD 9	524	10097	68363	13338	13338	1	Si
91	0.115	11.4	0	-6160	SLD 7	-6160	-10097	-68363	-13338	-13338	1	Si
111	0.115	11.4	0	383	SLD 9	383	10097	68363	13338	13338	1	Si
111	0.115	11.4	0	-6301	SLD 7	-6301	-10097	-68363	-13338	-13338	1	Si
131	0.115	11.4	0	242	SLD 9	242	10097	68363	13338	13338	1	Si
131	0.115	11.4	0	-6442	SLD 7	-6442	-10097	-68363	-13338	-13338	1	Si
151	0.115	11.4	0	101	SLD 9	101	10097	68363	13338	13338	1	Si
151	0.115	11.4	0	-6583	SLD 7	-6583	-10097	-68363	-13338	-13338	1	Si
171	0.115	7.6	0	-6724	SLD 7	-6724	-8821	-68363	-13338	-13338	1	Si
192	0.115	7.6	0	-6866	SLD 7	-6866	-8821	-68363	-13338	-13338	1	Si
212	0.115	7.6	0	-7007	SLD 7	-7007	-8821	-68363	-13338	-13338	1	Si
232	0.129	7.6	0	-7148	SLD 7	-7148	-8821	-68363	-15005	-15005	1	Si
242	0.129	9.5	0	-7218	SLD 7	-7218	-9502	-68363	-15005	-15005	1	Si
262	0.129	10.45	0	-7360	SLD 7	-7360	-9808	-68363	-15005	-15005	1	Si
283	0.129	11.4	0	-7502	SLD 7	-7502	-10097	-68363	-15005	-15005	1	Si
292	0	11.4	0	-7571	SLD 7	-7571	-10097	-68363	0	-10097	1	Si
303	0	15.19	0	-7642	SLD 7	-7642	-11109	-68363	0	-11109	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	622837	3	598156	20.9	124.5	677.9	1837	568223	2	546392	19.1	93.4	0	+∞	Si
20	572082	3	572082	20	124.5	648.4	1837	523167	2	523167	18.3	93.4	0	+∞	Si
40	517622	3	572082	20.3	124.5	673.2	1837	474501	2	523167	18.5	93.4	0	+∞	Si
61	460745	3	541790	19.9	124.5	700.1	1837	423369	2	496132	18.2	93.4	0	+∞	Si
81	401020	3	486170	18.8	124.5	726.3	1837	369391	2	446258	17.2	93.4	0	+∞	Si
91	370091	3	457292	17.7	124.5	683.2	1837	341334	2	420253	16.2	93.4	0	+∞	Si
111	306096	3	397401	15.4	124.5	593.7	1837	283086	2	366108	14.1	93.4	0	+∞	Si
131	239254	3	334663	12.9	124.5	500	1837	221990	2	309116	11.9	93.4	0	+∞	Si
151	169566	3	269078	10.4	124.5	402	1837	158048	2	249277	9.6	93.4	0	+∞	Si
171	97031	3	200647	7.8	124.5	299.8	1837	91258	2	186592	7.2	93.4	0	+∞	Si
192	26018	8	129368	4.8	124.5	192.8	1837	22544	1	121059	4.5	93.4	0	+∞	Si
212	-57129	2	-174809	6.5	124.5	271.1	1837	-50861	2	-160390	5.9	93.4	0	+∞	Si
232	-138113	2	-259896	9.5	124.5	386.9	1837	-126191	2	-239824	8.8	93.4	0	+∞	Si
242	-179672	2	-303507	10	124.5	342.7	1837	-164923	2	-280608	9.3	93.4	0	+∞	Si
262	-264926	2	-353773	11.3	124.5	356.7	1837	-244523	2	-327669	10.4	93.4	0	+∞	Si
283	-353773	2	-353773	10.9	124.5	322.1	1837	-327669	2	-327669	10.1	93.4	0	+∞	Si
303	-443975	2	-398177	12.2	124.5	362.6	1837	-412264	2	-369270	11.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
40	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
61	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
81	0.007	0.005	0.006	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.013	2	0.012	2	9999	Si
91	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.012	2	9999	Si
101	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.012	2	9999	Si
111	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.012	2	9999	Si
131	0.006	0.005	0.006	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.013	2	0.012	2	9999	Si
151	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	2	0.01	2	9999	Si
171	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.01	2	0.009	2	9999	Si
192	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.008	2	0.007	2	9999	Si
212	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
232	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
242	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
262	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
283	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-2323	-9517	-13338	SLV 7	0.42	1020	1.159	523167	933045	1865528	SLV 7	0.51	1818	1.469	Si
40	-2465	-9517	-13338	SLV 7	0.41	986	1.143	523167	933045	1796170	SLV 7	0.49	1578	1.386	Si
61	-2606	-9517	-13338	SLV 7	0.41	954	1.127	496132	846899	1635115	SLV 7	0.48	1518	1.364	Si
81	-2747	-9517	-13338	SLV 7	0.4	924	1.113	446258	695070	1414576	SLV 7	0.5	1668	1.418	Si
91	-2818	-9517	-13338	SLV 7	0.4	909	1.105	420253	619299	1414576	SLV 7	0.57	2439	1.657	Si
111	-2959	-9517	-13338	SLV 7	0.4	879	1.09	366108	468487	1414576	SLV 7	0.57	2474	1.666	Si
131	-3100	-9517	-13338	SLV 7	0.39	850	1.075	309116	318827	1414576	SLV 7	0.57	2474	1.666	Si
151	-3241	-9517	-13338	SLV 7	0.39	822	1.061	60829	-281618	-963377	SLV 7	0.57	2474	1.666	Si
171	-3382	-9517	-13338	SLV 7	0.38	794	1.046	-10064	-433209	-963377	SLV 7	0.57	2474	1.666	Si
192	-3524	-9517	-13338	SLV 7	0.37	767	1.031	-83804	-585149	-1245265	SLV 7	0.57	2474	1.666	Si
212	-3665	-9517	-13338	SLV 7	0.37	740	1.016	-160390	-737230	-1358019	SLV 7	0.57	2474	1.666	Si
232	-3806	-9517	-15005	SLV 7	0.43	1066	1.18	-239824	-889384	-1414397	SLV 7	0.47	1446	1.337	Si
242	-3877	-9517	-15005	SLV 7	0.42	1048	1.172	-280608	-965479	-1863109	SLV 7	0.57	2474	1.666	Si
262	-4018	-9517	-15005	SLV 7	0.42	1013	1.156	-327669	1051746	1414257	SLV 9	0.57	2474	1.666	Si
283	-4160	-9517	-15005	SLV 7	0.41	979	1.139	-327669	1051746	1414222	SLV 9	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-2323	-3342	-13338	SLD 7	0.44	1179	3.094	523167	412807	1865528	SLD 7	0.44	1137	3.049	Si
40	-2465	-3342	-13338	SLD 7	0.44	1138	3.05	523167	412807	1796170	SLD 7	0.41	984	2.873	Si
61	-2606	-3342	-13338	SLD 7	0.43	1099	3.006	496132	374690	1635115	SLD 7	0.41	950	2.832	Si
81	-2747	-3342	-13338	SLD 7	0.42	1060	2.962	446258	307509	1414576	SLD 7	0.42	1043	2.943	Si
91	-2818	-3342	-13338	SLD 7	0.42	1041	2.94	420253	273982	1414576	SLD 7	0.48	1521	3.435	Si
111	-2959	-3342	-13338	SLD 7	0.42	1003	2.896	366108	207249	1414576	SLD 7	0.6	2474	4.193	Si
131	-3100	-3342	-13338	SLD 7	0.41	968	2.854	309116	141025	1414576	SLD 7	0.6	2474	4.193	Si
151	-3241	-3342	-13338	SLD 7	0.41	935	2.814	60829	-124623	-963377	SLD 7	0.6	2474	4.193	Si
171	-3382	-3342	-13338	SLD 7	0.4	904	2.775	-10064	-191702	-963377	SLD 7	0.6	2474	4.193	Si
192	-3524	-3342	-13338	SLD 7	0.39	873	2.736	-83804	-258933	-1245265	SLD 7	0.59	2474	4.193	Si
212	-3665	-3342	-13338	SLD 7	0.39	843	2.697	-160390	-326225	-1358019	SLD 7	0.49	1568	3.478	Si
232	-3806	-3342	-15005	SLD 7	0.45	1231	3.149	-239824	-393550	-1414397	SLD 7	0.4	908	2.78	Si
242	-3877	-3342	-15005	SLD 7	0.45	1211	3.128	-280608	-427219	-1863109	SLD 7	0.49	1606	3.512	Si
262	-4018	-3342	-15005	SLD 7	0.44	1171	3.086	-327669	465390	1414257	SLD 9	0.5	1652	3.553	Si
283	-4160	-3342	-15005	SLD 7	0.43	1130	3.041	-327669	465390	1414222	SLD 9	0.5	1652	3.553	Si

Campata 8 tra i fili 50 - 36C, sezione R 40x70, asta 1124

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-239312	SLU 29	-226267	-2315219	0.1	Si
20	19.01	5.4	11.4	5.4						-214937	SLU 29	-214937	-2315219	0.1	Si
45	16.47	5.4	11.4	5.4						-189050	SLU 29	-214937	-2015494	0.095	Si
68	13.27	5.4	11.4	5.4						-170932	SLU 29	-195159	-1635660	0.089	Si
91	9.12	5.4	11.4	5.4						-157489	SLU 29	-175720	-1143868	0.082	Si
102	7.6	5.4	11.4	5.4						-152522	SLU 29	-167754	-963377	0.08	Si
125	7.6	5.4	11.4	5.4						-146092	SLU 29	-155328	-963377	0.08	Si
147	7.6	5.4	11.4	5.4						-144338	SLU 29	-149075	-963377	0.08	Si
170	12.32	5.4	11.4	5.4						-147259	SLU 29	-158193	-1522566	0.087	Si
193	15.52	5.4	11.4	5.4						-154952	SLU 30	-172154	-1902471	0.093	Si
215	18.73	5.4	11.4	5.4						-167592	SLU 30	-190790	-2281995	0.1	Si
238	19.01	5.4	11.4	5.4						-184908	SLU 30	-214101	-2315219	0.1	Si
261	19.01	5.4	17.42	5.4						-206898	SLU 30	-242088	-2314756	0.095	Si
272	19.01	5.4	18.95	5.4						-219647	SLU 30	-257835	-2314596	0.094	Si
295	19.01	5.4	19.01	5.4						-248651	SLU 30	-286705	-2314628	0.094	Si
320	19.01	5.4	19.01	5.4						-286705	SLU 30	-286705	-2314628	0.094	Si
340	19.01	5.4	19.01	5.4						-320684	SLU 30	-302837	-2314628	0.094	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4	654039	SLV 11	579537	1414222	0.085	-997995	SLV 5	-902124	-2315219	0.1	Si
20	19.01	5.4	11.4	5.4	502537	SLV 11	502537	1414222	0.085	-806395	SLV 5	-806395	-2315219	0.1	Si
45	16.47	5.4	11.4	5.4	307519	SLV 11	502537	1414267	0.085	-568257	SLV 5	-806395	-2015494	0.095	Si
68	13.27	5.4	11.4	5.4	180677	SLV 15	357057	1414346	0.085	-410596	SLV 1	-628026	-1635660	0.089	Si
91	9.12	5.4	11.4	5.4	129240	SLV 15	224583	1414494	0.086	-335532	SLV 1	-437690	-1143868	0.082	Si
102	7.6	5.4	11.4	5.4	143083	SLV 13	315656	1414576	0.086	-340260	SLV 3	-497893	-963377	0.08	Si
125	7.6	5.4	11.4	5.4	264197	SLV 9	497020	1414576	0.086	-448536	SLV 7	-675645	-963377	0.08	Si
147	7.6	5.4	11.4	5.4	446007	SLV 9	676647	1414576	0.086	-624702	SLV 7	-858852	-963377	0.08	Si
159	7.6	5.4	11.4	5.4	536296	SLV 9	765830	1414576	0.086	-714867	SLV 7	-952524	-963377	0.08	Si
170	12.32	5.4	11.4	5.4	626132	SLV 9	854641	1414363	0.085	-806377	SLV 7	-1047620	-1522566	0.087	Si
193	15.52	5.4	11.4	5.4	804550	SLV 9	1031254	1414291	0.085	-993536	SLV 7	-1242200	-1902471	0.093	Si
215	18.73	5.4	11.4	5.4	981532	SLV 9	1206526	1414238	0.085	-1186452	SLV 7	-1442631	-2281995	0.1	Si
238	19.01	5.4	11.4	5.4	1157203	SLV 9	1380196	1414222	0.085	-1385251	SLV 7	-1648653	-2315219	0.1	Si
261	19.01	5.4	17.42	5.4	1331378	SLV 9	1551832	2126712	0.092	-1589746	SLV 7	-1859834	-2314756	0.095	Si
272	19.01	5.4	18.95	5.4	1417781	SLV 9	1636750	2307357	0.094	-1694006	SLV 7	-1967223	-2314596	0.094	Si
295	19.01	5.4	19.01	5.4	1588928	SLV 9	1777116	2314628	0.094	-1906263	SLV 7	-2149071	-2314628	0.094	Si
320	19.01	5.4	19.01	5.4	1777116	SLV 9	1777116	2314628	0.094	-2149071	SLV 7	-2149071	-2314628	0.094	Si
340	19.01	5.4	19.01	5.4	1923271	SLV 9	1843528	2314628	0.094	-2344404	SLV 7	-2238753	-2314628	0.094	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4	193215	SLD 11	166225	1414222	0.085	-537170	SLD 5	-488812	-2315219	0.1	Si
20	19.01	5.4	11.4	5.4	137398	SLD 11	137398	1414222	0.085	-441255	SLD 5	-441255	-2315219	0.1	Si
45	16.47	5.4	11.4	5.4	63177	SLD 11	137398	1414267	0.085	-323915	SLD 5	-441255	-2015494	0.095	Si
68	13.27	5.4	11.4	5.4	15798	SLD 15	82232	1414346	0.085	-245717	SLD 1	-353201	-1635660	0.089	Si
91	9.12	5.4	11.4	5.4	-353	SLD 15	47317	1414494	0.086	-205939	SLD 1	-259988	-1143868	0.082	Si
102	7.6	5.4	11.4	5.4	8347	SLD 13	88853	1414576	0.086	-205524	SLD 3	-271090	-963377	0.08	Si
125	7.6	5.4	11.4	5.4	65508	SLD 9	170067	1414576	0.086	-249848	SLD 7	-348692	-963377	0.08	Si
147	7.6	5.4	11.4	5.4	147488	SLD 9	248503	1414576	0.086	-326183	SLD 7	-430709	-963377	0.08	Si
159	7.6	5.4	11.4	5.4	187451	SLD 9	286690	1414576	0.086	-366022	SLD 7	-473384	-963377	0.08	Si
170	12.32	5.4	11.4	5.4	226712	SLD 9	324211	1414363	0.085	-406956	SLD 7	-517190	-1522566	0.087	Si
193	15.52	5.4	11.4	5.4	303174	SLD 9	397301	1414291	0.085	-492160	SLD 7	-608247	-1902471	0.093	Si
215	18.73	5.4	11.4	5.4	376993	SLD 9	467792	1414238	0.085	-581914	SLD 7	-703897	-2281995	0.1	Si
238	19.01	5.4	11.4	5.4	448227	SLD 9	535568	1414222	0.085	-676275	SLD 7	-804026	-2315219	0.1	Si
261	19.01	5.4	17.42	5.4	516794	SLD 9	600439	2126712	0.092	-775162	SLD 7	-908442	-2314756	0.095	Si
272	19.01	5.4	18.95	5.4	550022	SLD 9	631725	2307357	0.094	-826248	SLD 7	-962197	-2314596	0.094	Si
295	19.01	5.4	19.01	5.4	614241	SLD 9	682228	2314628	0.094	-931576	SLD 7	-1054183	-2314628	0.094	Si
320	19.01	5.4	19.01	5.4	682228	SLD 9	682228	2314628	0.094	-1054183	SLD 7	-1054183	-2314628	0.094	Si
340	19.01	5.4	19.01	5.4	733145	SLD 9	705106	2314628	0.094	-1154278	SLD 7	-1100330	-2314628	0.094	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.27	0	1530	SLU 19	1530	10620	68363	0	10620	1	Si
20	0.115	9.66	0	1348	SLU 19	1348	9553	68363	13338	13338	1	Si
45	0.115	7.6	0	1117	SLU 19	1117	8821	68363	13338	13338	1	Si
68	0.115	7.6	0	911	SLU 19	911	8821	68363	13338	13338	1	Si
91	0.101	7.6	0	705	SLU 19	705	8821	68363	11671	11671	1	Si
102	0.101	12.32	0	601	SLU 19	601	10359	68363	11671	11671	1	Si
125	0.101	14.87	0	395	SLU 19	395	11031	68363	11671	11671	1	Si
147	0.101	9.66	0	189	SLU 19	189	9553	68363	11671	11671	1	Si
147	0.101	9.66	0	-136	SLU 18	-136	-9553	-68363	-11671	-11671	1	Si
170	0.101	7.6	0	-295	SLU 18	-295	-8821	-68363	-11671	-11671	1	Si
193	0.101	7.6	0	-480	SLU 36	-480	-8821	-68363	-11671	-11671	1	Si
215	0.101	7.6	0	-686	SLU 36	-686	-8821	-68363	-11671	-11671	1	Si
238	0.101	12.32	0	-892	SLU 36	-892	-10359	-68363	-11671	-11671	1	Si
261	0.115	15.52	0	-1099	SLU 36	-1099	-11190	-68363	-13338	-13338	1	Si
272	0.115	17.12	0	-1202	SLU 36	-1202	-11562	-68363	-13338	-13338	1	Si
295	0.115	19.01	0	-1408	SLU 36	-1408	-11971	-68363	-13338	-13338	1	Si
320	0.115	19.01	0	-1639	SLU 36	-1639	-11971	-68363	-13338	-13338	1	Si
340	0	19.01	0	-1821	SLU 36	-1821	-11971	-68363	0	-11971	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.27	0	9713	SLV 5	11958	10620	68363	0	10620	1	Si
0	0	11.4	0	-7560	SLV 11	-9805	-10097	-68363	0	-10097	1	Si
11	0	9.66	0	9634	SLV 5	11879	9553	68363	0	9553	1	Si
11	0	11.4	0	-7639	SLV 11	-9885	-10097	-68363	0	-10097	1	Si
20	0.115	9.66	0	9573	SLV 5	11818	9553	68363	13338	13338	1	Si
20	0.115	11.4	0	-7700	SLV 11	-9945	-10097	-68363	-13338	-13338	1	Si
45	0.115	7.6	0	9396	SLV 5	11641	8821	68363	13338	13338	1	Si
45	0.115	11.4	0	-7877	SLV 11	-10123	-10097	-68363	-13338	-13338	1	Si
68	0.115	7.6	0	9237	SLV 5	11482	8821	68363	13338	13338	1	Si
68	0.115	11.4	0	-8036	SLV 11	-10281	-10097	-68363	-13338	-13338	1	Si
91	0.101	7.6	0	9078	SLV 5	11324	8821	68363	11671	11671	1	Si
91	0.101	11.4	0	-8195	SLV 11	-10440	-10097	-68363	-11671	-11671	1	Si
102	0.101	12.32	0	8999	SLV 5	11244	10359	68363	11671	11671	1	Si
102	0.101	12.32	0	-8274	SLV 11	-10519	-10359	-68363	-11671	-11671	1	Si
125	0.101	11.4	0	8840	SLV 5	11086	10097	68363	11671	11671	1	Si
125	0.101	14.87	0	-8433	SLV 11	-10678	-11031	-68363	-11671	-11671	1	Si
147	0.101	11.4	0	8682	SLV 5	10927	10097	68363	11671	11671	1	Si
147	0.101	9.66	0	-8591	SLV 11	-10837	-9553	-68363	-11671	-11671	1	Si
170	0.101	11.4	0	8523	SLV 5	10768	10097	68363	11671	11671	1	Si
170	0.101	7.6	0	-8750	SLV 11	-10995	-8821	-68363	-11671	-11671	1	Si
193	0.101	11.4	0	8364	SLV 5	10610	10097	68363	11671	11671	1	Si
193	0.101	7.6	0	-8909	SLV 11	-11154	-8821	-68363	-11671	-11671	1	Si
215	0.101	11.4	0	8206	SLV 5	10451	10097	68363	11671	11671	1	Si
215	0.101	7.6	0	-9067	SLV 11	-11313	-8821	-68363	-11671	-11671	1	Si
238	0.101	11.4	0	8047	SLV 5	10292	10097	68363	11671	11671	1	Si
238	0.101	12.32	0	-9226	SLV 11	-11471	-10359	-68363	-11671	-11671	1	Si
261	0.115	11.4	0	7888	SLV 5	10134	10097	68363	13338	13338	1	Si
261	0.115	15.52	0	-9385	SLV 11	-11630	-11190	-68363	-13338	-13338	1	Si
272	0.115	11.4	0	7809	SLV 5	10054	10097	68363	13338	13338	1	Si
272	0.115	17.12	0	-9464	SLV 11	-11709	-11562	-68363	-13338	-13338	1	Si
295	0.115	11.4	0	7650	SLV 5	9896	10097	68363	13338	13338	1	Si
295	0.115	19.01	0	-9623	SLV 11	-11868	-11971	-68363	-13338	-13338	1	Si
320	0.115	17.42	0	7473	SLV 5	9718	11628	68363	13338	13338	1	Si
320	0.115	19.01	0	-9800	SLV 11	-12045	-11971	-68363	-13338	-13338	1	Si
340	0	18.95	0	7333	SLV 5	9578	11958	68363	0	11958	1	Si
340	0	19.01	0	-9940	SLV 11	-12185	-11971	-68363	0	-11971	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.27	0	4896	SLD 5	4896	10620	68363	0	10620	1	Si
0	0	11.4	0	-2743	SLD 11	-2743	-10097	-68363	0	-10097	1	Si
11	0	9.66	0	4816	SLD 5	4816	9553	68363	0	9553	1	Si
11	0	11.4	0	-2822	SLD 11	-2822	-10097	-68363	0	-10097	1	Si
20	0.115	9.66	0	4756	SLD 5	4756	9553	68363	13338	13338	1	Si
20	0.115	11.4	0	-2883	SLD 11	-2883	-10097	-68363	-13338	-13338	1	Si
45	0.115	7.6	0	4578	SLD 5	4578	8821	68363	13338	13338	1	Si
45	0.115	11.4	0	-3060	SLD 11	-3060	-10097	-68363	-13338	-13338	1	Si
68	0.115	7.6	0	4420	SLD 5	4420	8821	68363	13338	13338	1	Si
68	0.115	7.6	0	-3219	SLD 11	-3219	-8821	-68363	-13338	-13338	1	Si
91	0.101	7.6	0	4261	SLD 5	4261	8821	68363	11671	11671	1	Si
91	0.101	7.6	0	-3377	SLD 11	-3377	-8821	-68363	-11671	-11671	1	Si
102	0.101	12.32	0	4182	SLD 5	4182	10359	68363	11671	11671	1	Si
102	0.101	12.32	0	-3457	SLD 11	-3457	-10359	-68363	-11671	-11671	1	Si
125	0.101	11.4	0	4023	SLD 5	4023	10097	68363	11671	11671	1	Si
125	0.101	14.87	0	-3615	SLD 11	-3615	-11031	-68363	-11671	-11671	1	Si
147	0.101	11.4	0	3864	SLD 5	3864	10097	68363	11671	11671	1	Si
147	0.101	9.66	0	-3774	SLD 11	-3774	-9553	-68363	-11671	-11671	1	Si
170	0.101	11.4	0	3706	SLD 5	3706	10097	68363	11671	11671	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
170	0.101	7.6	0	-3933	SLD 11	-3933	-8821	-68363	-11671	-11671	1	Si
193	0.101	11.4	0	3547	SLD 5	3547	10097	68363	11671	11671	1	Si
193	0.101	7.6	0	-4091	SLD 11	-4091	-8821	-68363	-11671	-11671	1	Si
215	0.101	11.4	0	3388	SLD 5	3388	10097	68363	11671	11671	1	Si
215	0.101	7.6	0	-4250	SLD 11	-4250	-8821	-68363	-11671	-11671	1	Si
238	0.101	11.4	0	3230	SLD 5	3230	10097	68363	11671	11671	1	Si
238	0.101	12.32	0	-4409	SLD 11	-4409	-10359	-68363	-11671	-11671	1	Si
261	0.115	11.4	0	3071	SLD 5	3071	10097	68363	13338	13338	1	Si
261	0.115	15.52	0	-4567	SLD 11	-4567	-11190	-68363	-13338	-13338	1	Si
272	0.115	11.4	0	2992	SLD 5	2992	10097	68363	13338	13338	1	Si
272	0.115	17.12	0	-4647	SLD 11	-4647	-11562	-68363	-13338	-13338	1	Si
295	0.115	11.4	0	2833	SLD 5	2833	10097	68363	13338	13338	1	Si
295	0.115	19.01	0	-4805	SLD 11	-4805	-11971	-68363	-13338	-13338	1	Si
320	0.115	17.42	0	2656	SLD 5	2656	11628	68363	13338	13338	1	Si
320	0.115	19.01	0	-4983	SLD 11	-4983	-11971	-68363	-13338	-13338	1	Si
340	0	18.95	0	2516	SLD 5	2516	11958	68363	0	11958	1	Si
340	0	19.01	0	-5123	SLD 11	-5123	-11971	-68363	0	-11971	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-180194	2	-169828	5.2	124.5	154.6	1837	-171978	2	-161294	5	93.4	0	+∞	Si
20	-160780	2	-160780	4.9	124.5	146.4	1837	-151929	2	-151929	4.7	93.4	0	+∞	Si
45	-140026	2	-160780	5.2	124.5	167.9	1837	-130369	2	-151929	4.9	93.4	0	+∞	Si
68	-125336	2	-144938	5	124.5	186.4	1837	-114960	2	-135484	4.7	93.4	0	+∞	Si
91	-114243	2	-129232	5.1	124.5	238.8	1837	-103146	2	-119059	4.7	93.4	0	+∞	Si
102	-110045	2	-122728	3	124.5	47	1837	-98588	2	-112195	4.8	93.4	0	+∞	Si
125	-104347	2	-112417	2.8	124.5	43.1	1837	-92170	2	-101164	4.3	93.4	0	+∞	Si
147	-102245	2	-105703	2.6	124.5	40.5	1837	-89348	2	-93729	4	93.4	0	+∞	Si
170	-103739	2	-111164	3.9	124.5	153.6	1837	-90122	2	-96490	3.4	93.4	0	+∞	Si
193	-108894	3	-121112	4	124.5	133.9	1837	-94493	2	-105473	3.5	93.4	0	+∞	Si
215	-117827	3	-134657	4.2	124.5	124.4	1837	-102460	2	-118053	3.6	93.4	0	+∞	Si
238	-130356	3	-151799	4.7	124.5	138.2	1837	-114024	2	-134229	4.1	93.4	0	+∞	Si
261	-146481	3	-172537	4.9	124.5	156	1837	-129184	2	-154001	4.4	93.4	0	+∞	Si
272	-155893	3	-184254	5.1	124.5	166.4	1837	-138113	2	-165236	4.6	93.4	0	+∞	Si
295	-177413	3	-205802	5.7	124.5	185.8	1837	-158668	2	-185977	5.2	93.4	0	+∞	Si
320	-205802	3	-205802	5.7	124.5	185.8	1837	-185977	2	-185977	5.2	93.4	0	+∞	Si
340	-231242	3	-217862	6.1	124.5	196.7	1837	-210566	2	-197612	5.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
45	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
68	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	1	-0.006	1	9999	Si
91	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.008	1	9999	Si
102	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.007	1	-0.008	1	9999	Si
125	-0.003	-0.005	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.007	1	-0.009	1	9999	Si
147	-0.003	-0.005	-0.003	-0.005	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.008	1	-0.01	1	9999	Si
170	-0.003	-0.005	-0.003	-0.005	-0.003	-0.005	-0.003	-0.004	-0.003	-0.004	-0.008	1	-0.01	1	9999	Si
193	-0.003	-0.005	-0.003	-0.005	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.008	1	-0.01	1	9999	Si
215	-0.003	-0.005	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.007	1	-0.009	1	9999	Si
238	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.007	1	-0.008	1	9999	Si
261	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
272	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	1	-0.007	1	9999	Si
295	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
320	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	937	10882	13338	SLV 5	0.41	979	1.139	-151929	654466	1414222	SLV 11	0.57	2474	1.666	Si
45	759	10882	13338	SLV 5	0.42	1017	1.157	-151929	654466	1414267	SLV 11	0.57	2474	1.666	Si
68	601	10882	13338	SLV 5	0.42	1051	1.173	-135484	-492541	-1635660	SLV 5	0.57	2474	1.666	Si
91	442	10882	11671	SLV 5	0.37	768	1.032	-119059	-318631	-1143868	SLV 1	0.57	2474	1.666	Si
102	363	10882	11671	SLV 5	0.38	781	1.039	-91119	-406774	-963377	SLV 7	0.57	2474	1.666	Si
125	204	10882	11671	SLV 5	0.38	808	1.053	-89313	-586333	-963377	SLV 7	0.53	2000	1.527	Si
147	45	10882	11671	SLV 5	0.39	836	1.068	-91103	-767750	-963377	SLV 7	0.41	971	1.136	Si
170	-113	-10882	-11671	SLV 11	0.39	824	1.062	-96490	-951131	-1522566	SLV 7	0.53	2031	1.537	Si
193	-272	-10882	-11671	SLV 11	0.38	797	1.047	-105473	1136727	1414291	SLV 9	0.48	1494	1.355	Si
215	-431	-10882	-11671	SLV 11	0.38	770	1.033	-118053	1324578	1414238	SLV 9	0.42	1019	1.158	Si
238	-589	-10882	-11671	SLV 11	0.37	744	1.018	-134229	1514424	1414222	SLV 9	0.37	751	1.022	Si
261	-748	-10882	-13338	SLV 11	0.42	1019	1.158	-154001	-1705833	-2314756	SLV 7	0.46	1295	1.278	Si
272	-827	-10882	-13338	SLV 11	0.42	1002	1.15	-165236	-1801986	-2314596	SLV 7	0.43	1105	1.197	Si
295	-986	-10882	-13338	SLV 11	0.41	969	1.135	-185977	-1963093	-2314628	SLV 7	0.39	867	1.084	Si
320	-1163	-10882	-13338	SLV 11	0.41	936	1.119	-185977	-1963093	-2314628	SLV 7	0.39	867	1.084	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	937	3819	13338	SLD 5	0.43	1132	3.043	-151929	289327	1414222	SLD 11	0.6	2474	4.193	Si
45	759	3819	13338	SLD 5	0.44	1176	3.091	-151929	289327	1414267	SLD 11	0.6	2474	4.193	Si
68	601	3819	13338	SLD 5	0.45	1216	3.134	-135484	-217717	-1635660	SLD 5	0.6	2474	4.193	Si
91	442	3819	11671	SLD 5	0.39	875	2.738	-119059	-140929	-1143868	SLD 1	0.6	2474	4.193	Si
102	363	3819	11671	SLD 5	0.4	891	2.759	-91119	-179971	-963377	SLD 7	0.6	2474	4.193	Si
125	204	3819	11671	SLD 5	0.4	922	2.797	-89313	-259380	-963377	SLD 7	0.45	1249	3.168	Si
147	45	3819	11671	SLD 5	0.41	953	2.836	-91103	-339606	-963377	SLD 7	0.35	631	2.395	Si
170	-113	-3819	-11671	SLD 11	0.41	939	2.818	-96490	-420700	-1522566	SLD 7	0.45	1269	3.189	Si
193	-272	-3819	-11671	SLD 11	0.4	908	2.78	-105473	502774	1414291	SLD 9	0.41	937	2.816	Si
215	-431	-3819	-11671	SLD 11	0.4	877	2.741	-118053	585844	1414238	SLD 9	0.35	658	2.436	Si
238	-589	-3819	-11671	SLD 11	0.39	848	2.703	-134229	669797	1414222	SLD 9	0.31	489	2.157	Si
261	-748	-3819	-13338	SLD 11	0.44	1179	3.094	-154001	-754441	-2314756	SLD 7	0.39	822	2.669	Si
272	-827	-3819	-13338	SLD 11	0.44	1159	3.073	-165236	-796961	-2314596	SLD 7	0.36	709	2.512	Si
295	-986	-3819	-13338	SLD 11	0.43	1120	3.03	-185977	-868205	-2314628	SLD 7	0.33	564	2.287	Si
320	-1163	-3819	-13338	SLD 11	0.43	1077	2.981	-185977	-868205	-2314628	SLD 7	0.33	564	2.287	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 70-72

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 70 - 71, sezione R 40x70, asta 1108

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-246606	SLU 29	-157200	-963377	0.08	Si
20	7.6	5.4	11.4	5.4	46083	SLU 17	259937	1414576	0.086	-75501	SLU 20	-75501	-963377	0.08	Si
23	7.6	5.4	11.4	5.4	65382	SLU 35	281081	1414576	0.086	-51088	SLU 2	-75501	-963377	0.08	Si
46	7.6	5.4	11.4	5.4	238300	SLU 35	435532	1414576	0.086	92880	SLU 2	-75501	-963377	0.08	Si
69	7.6	5.4	11.4	5.4	396699	SLU 35	574722	1414576	0.086						Si
92	7.6	5.4	11.4	5.4	539993	SLU 35	705683	1414576	0.086						Si
104	7.6	5.4	11.4	5.4	605789	SLU 35	766852	1414576	0.086						Si
127	7.6	5.4	11.4	5.4	735600	SLU 36	876549	1414576	0.086						Si
150	7.6	5.4	11.4	5.4	849795	SLU 36	968893	1414576	0.086						Si
173	7.6	5.4	11.4	5.4	946796	SLU 36	1043287	1414576	0.086						Si
196	7.6	5.4	11.4	5.4	1026003	SLU 36	1099133	1414576	0.086						Si
219	7.6	5.4	11.4	5.4	1086821	SLU 36	1137933	1414576	0.086						Si
242	7.6	5.4	11.4	5.4	1128651	SLU 36	1165199	1414576	0.086						Si
265	7.6	5.4	11.4	5.4	1160445	SLU 30	1173613	1414576	0.086						Si
276	7.6	5.4	11.4	5.4	1169452	SLU 30	1173613	1414576	0.086						Si
299	7.6	5.4	17.07	5.4	1172858	SLU 30	1173613	2086694	0.101						Si
322	7.6	5.4	19.01	5.4	1156321	SLU 30	1173256	2315301	0.107						Si
325	7.6	5.4	19.01	5.4	1152168	SLU 30	1173059	2315301	0.107						Si
345	7.6	5.4	19.01	5.4	1119053	SLU 30	1119053	2315301	0.107						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	556257	SLV 15	556257	1414576	0.086	-879700	SLV 1	-792751	-963377	0.08	Si
20	7.6	5.4	11.4	5.4	640414	SLV 15	749613	1414576	0.086	-708017	SLV 1	-708017	-963377	0.08	Si
23	7.6	5.4	11.4	5.4	652666	SLV 15	759895	1414576	0.086	-682653	SLV 1	-708017	-963377	0.08	Si
46	7.6	5.4	11.4	5.4	739092	SLV 15	833369	1414576	0.086	-496112	SLV 1	-708017	-963377	0.08	Si
69	7.6	5.4	11.4	5.4	815325	SLV 15	896218	1414576	0.086	-320397	SLV 1	-544642	-963377	0.08	Si
92	7.6	5.4	11.4	5.4	881021	SLV 15	948114	1414576	0.086	-155992	SLV 1	-366041	-963377	0.08	Si
104	7.6	5.4	11.4	5.4	909812	SLV 15	969862	1414576	0.086	-78190	SLV 1	-280901	-963377	0.08	Si
127	7.6	5.4	11.4	5.4	959088	SLV 15	1004807	1414576	0.086	68280	SLV 1	-119256	-963377	0.08	Si
150	7.6	5.4	11.4	5.4	997059	SLV 15	1028209	1414576	0.086						Si
173	7.6	5.4	11.4	5.4	1023520	SLV 15	1040047	1414576	0.086						Si
196	7.6	5.4	11.4	5.4	1038394	SLV 15	1041854	1414576	0.086						Si
219	7.6	5.4	11.4	5.4	1041854	SLV 15	1041854	1414576	0.086						Si
242	7.6	5.4	11.4	5.4	1034564	SLV 15	1041854	1414576	0.086						Si
265	7.6	5.4	11.4	5.4	1018173	SLV 15	1037160	1414576	0.086						Si
276	7.6	5.4	11.4	5.4	1007551	SLV 15	1031155	1414576	0.086						Si
299	7.6	5.4	17.07	5.4	984704	SLV 15	1013157	2086694	0.101						Si
322	7.6	5.4	19.01	5.4	964360	SLV 3	990739	2315301	0.107						Si
325	7.6	5.4	19.01	5.4	962112	SLV 3	987756	2315301	0.107						Si
345	7.6	5.4	19.01	5.4	947346	SLV 3	947346	2315301	0.107						Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	155594	SLD 15	155594	1414576	0.086	-479037	SLD 1	-403923	-963377	0.08	Si
20	7.6	5.4	11.4	5.4	264201	SLD 15	408745	1414576	0.086	-331805	SLD 1	-331805	-963377	0.08	Si
23	7.6	5.4	11.4	5.4	280116	SLD 15	422657	1414576	0.086	-310104	SLD 1	-331805	-963377	0.08	Si
46	7.6	5.4	11.4	5.4	394508	SLD 15	523864	1414576	0.086	-151528	SLD 1	-331805	-963377	0.08	Si
69	7.6	5.4	11.4	5.4	498528	SLD 15	614214	1414576	0.086	-3600	SLD 1	-192689	-963377	0.08	Si
92	7.6	5.4	11.4	5.4	591792	SLD 15	693325	1414576	0.086	133237	SLD 1	-41923	-963377	0.08	Si
104	7.6	5.4	11.4	5.4	634271	SLD 15	728551	1414576	0.086						Si
127	7.6	5.4	11.4	5.4	710686	SLD 15	790127	1414576	0.086						Si
150	7.6	5.4	11.4	5.4	775413	SLD 15	839607	1414576	0.086						Si
173	7.6	5.4	11.4	5.4	828122	SLD 15	876740	1414576	0.086						Si
196	7.6	5.4	11.4	5.4	868538	SLD 15	901405	1414576	0.086						Si
219	7.6	5.4	11.4	5.4	896493	SLD 15	913737	1414576	0.086						Si
242	7.6	5.4	11.4	5.4	912031	SLD 15	915619	1414576	0.086						Si
265	7.6	5.4	11.4	5.4	915619	SLD 15	915619	1414576	0.086						Si
276	7.6	5.4	11.4	5.4	913285	SLD 15	915619	1414576	0.086						Si
299	7.6	5.4	17.07	5.4	901647	SLD 15	914517	2086694	0.101						Si
322	7.6	5.4	19.01	5.4	882628	SLD 3	905276	2315301	0.107						Si
325	7.6	5.4	19.01	5.4	879488	SLD 3	903482	2315301	0.107						Si
345	7.6	5.4	19.01	5.4	856379	SLD 3	856379	2315301	0.107						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	9019	SLU 29	9019	8821	68363	0	8821	1	Si
20	0.086	7.6	0	8516	SLU 29	8516	8821	68363	10004	10004	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
23	0.086	7.6	0	8440	SLU 29	8440	8821	68363	10004	10004	1	Si
46	0.086	11.4	0	7849	SLU 29	7849	10097	68363	10004	10097	1	Si
69	0.086	11.4	0	7237	SLU 29	7237	10097	68363	10004	10097	1	Si
92	0.064	11.4	0	6600	SLU 29	6600	10097	68363	7450	10097	1	Si
104	0.064	11.4	0	6273	SLU 29	6273	10097	68363	7450	10097	1	Si
127	0.064	11.4	0	5600	SLU 29	5600	10097	68363	7450	10097	1	Si
150	0.064	11.4	0	4903	SLU 29	4903	10097	68363	7450	10097	1	Si
173	0.064	11.4	0	4181	SLU 29	4181	10097	68363	7450	10097	1	Si
196	0.064	11.4	0	3436	SLU 29	3436	10097	68363	7450	10097	1	Si
219	0.064	11.4	0	2666	SLU 29	2666	10097	68363	7450	10097	1	Si
242	0.064	11.4	0	1872	SLU 29	1872	10097	68363	7450	10097	1	Si
265	0.064	11.4	0	1053	SLU 29	1053	10097	68363	7450	10097	1	Si
265	0.064	11.4	0	-62	SLU 8	-62	-10097	-68363	-7450	-10097	1	Si
276	0.064	11.4	0	664	SLU 11	664	10097	68363	7450	10097	1	Si
276	0.064	11.4	0	-427	SLU 26	-427	-10097	-68363	-7450	-10097	1	Si
299	0.064	11.4	0	-1303	SLU 35	-1303	-10097	-68363	-7450	-10097	1	Si
322	0.064	11.4	0	-2232	SLU 35	-2232	-10097	-68363	-7450	-10097	1	Si
325	0.064	11.4	0	-2356	SLU 35	-2356	-10097	-68363	-7450	-10097	1	Si
345	0	11.4	0	-3227	SLU 35	-3227	-10097	-68363	0	-10097	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	8856	SLV 1	9443	8821	68363	0	8821	1	Si
20	0.086	7.6	0	8473	SLV 1	9060	8821	68363	10004	10004	1	Si
23	0.086	7.6	0	8416	SLV 1	9003	8821	68363	10004	10004	1	Si
46	0.086	7.6	0	7966	SLV 1	8553	8821	68363	10004	10004	1	Si
69	0.086	7.6	0	7500	SLV 1	8087	8821	68363	10004	10004	1	Si
92	0.064	7.6	0	7016	SLV 1	7603	8821	68363	7450	8821	1	Si
104	0.064	7.6	0	6767	SLV 1	7354	8821	68363	7450	8821	1	Si
127	0.064	11.4	0	6255	SLV 1	6842	10097	68363	7450	10097	1	Si
150	0.064	11.4	0	5725	SLV 1	6312	10097	68363	7450	10097	1	Si
173	0.064	11.4	0	5177	SLV 1	5764	10097	68363	7450	10097	1	Si
196	0.064	11.4	0	4610	SLV 1	5197	10097	68363	7450	10097	1	Si
196	0.064	11.4	0	95	SLV 15	-492	-10097	-68363	-7450	-10097	1	Si
219	0.064	11.4	0	4025	SLV 1	4612	10097	68363	7450	10097	1	Si
219	0.064	11.4	0	-490	SLV 15	-1077	-10097	-68363	-7450	-10097	1	Si
242	0.064	11.4	0	3421	SLV 1	4008	10097	68363	7450	10097	1	Si
242	0.064	11.4	0	-1094	SLV 15	-1681	-10097	-68363	-7450	-10097	1	Si
265	0.064	11.4	0	2799	SLV 1	3386	10097	68363	7450	10097	1	Si
265	0.064	11.4	0	-1716	SLV 15	-2303	-10097	-68363	-7450	-10097	1	Si
276	0.064	11.4	0	2481	SLV 1	3068	10097	68363	7450	10097	1	Si
276	0.064	11.4	0	-2034	SLV 15	-2621	-10097	-68363	-7450	-10097	1	Si
299	0.064	11.4	0	1831	SLV 1	2418	10097	68363	7450	10097	1	Si
299	0.064	11.4	0	-2684	SLV 15	-3271	-10097	-68363	-7450	-10097	1	Si
322	0.064	11.4	0	1163	SLV 1	1750	10097	68363	7450	10097	1	Si
322	0.064	11.4	0	-3352	SLV 15	-3939	-10097	-68363	-7450	-10097	1	Si
325	0.064	11.4	0	1074	SLV 1	1661	10097	68363	7450	10097	1	Si
325	0.064	11.4	0	-3441	SLV 15	-4028	-10097	-68363	-7450	-10097	1	Si
345	0	11.4	0	449	SLV 1	1036	10097	68363	0	10097	1	Si
345	0	11.4	0	-4066	SLV 15	-4653	-10097	-68363	0	-10097	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	7595	SLD 1	7595	8821	68363	0	8821	1	Si
20	0.086	7.6	0	7212	SLD 1	7212	8821	68363	10004	10004	1	Si
23	0.086	7.6	0	7154	SLD 1	7154	8821	68363	10004	10004	1	Si
46	0.086	7.6	0	6704	SLD 1	6704	8821	68363	10004	10004	1	Si
69	0.086	7.6	0	6239	SLD 1	6239	8821	68363	10004	10004	1	Si
92	0.064	11.4	0	5754	SLD 1	5754	10097	68363	7450	10097	1	Si
104	0.064	11.4	0	5506	SLD 1	5506	10097	68363	7450	10097	1	Si
127	0.064	11.4	0	4994	SLD 1	4994	10097	68363	7450	10097	1	Si
150	0.064	11.4	0	4464	SLD 1	4464	10097	68363	7450	10097	1	Si
173	0.064	11.4	0	3915	SLD 1	3915	10097	68363	7450	10097	1	Si
196	0.064	11.4	0	3348	SLD 1	3348	10097	68363	7450	10097	1	Si
219	0.064	11.4	0	2763	SLD 1	2763	10097	68363	7450	10097	1	Si
242	0.064	11.4	0	2159	SLD 1	2159	10097	68363	7450	10097	1	Si
265	0.064	11.4	0	1537	SLD 1	1537	10097	68363	7450	10097	1	Si
265	0.064	11.4	0	-454	SLD 15	-454	-10097	-68363	-7450	-10097	1	Si
276	0.064	11.4	0	1219	SLD 1	1219	10097	68363	7450	10097	1	Si
276	0.064	11.4	0	-772	SLD 15	-772	-10097	-68363	-7450	-10097	1	Si
299	0.064	11.4	0	570	SLD 1	570	10097	68363	7450	10097	1	Si
299	0.064	11.4	0	-1422	SLD 15	-1422	-10097	-68363	-7450	-10097	1	Si
322	0.064	11.4	0	-2090	SLD 15	-2090	-10097	-68363	-7450	-10097	1	Si
325	0.064	11.4	0	-2179	SLD 15	-2179	-10097	-68363	-7450	-10097	1	Si
345	0	11.4	0	-2804	SLD 15	-2804	-10097	-68363	0	-10097	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-181426	2	-113797	2.8	124.5	43.6	1837	-161722	2	-95961	4.1	93.4	0	+∞	Si
20	25563	8	191300	7.4	124.5	285.8	1837								Si
20	-49770	2	-49770	1.2	124.5	19.1	1837	-33802	2	-33802	1.4	93.4	0	+∞	Si
23	43721	8	207341	8	124.5	309.8	1837	8119	1	170412	6.6	93.4	0	+∞	Si
23	-30403	2	-49770	1.2	124.5	19.1	1837	-14994	2	-33802	1.4	93.4	0	+∞	Si
46	174885	8	324540	12.5	124.5	484.9	1837	138160	1	287088	11.1	93.4	0	+∞	Si
69	295068	8	430200	16.6	124.5	642.7	1837	257690	1	392729	15.2	93.4	0	+∞	Si
92	403831	8	528960	20.4	124.5	790.3	1837	366298	1	491272	19	93.4	0	+∞	Si
104	453789	8	574919	22.2	124.5	858.9	1837	416373	1	537156	20.8	93.4	0	+∞	Si
127	551442	9	657285	25.4	124.5	982	1837	513684	2	619802	23.9	93.4	0	+∞	Si
150	637207	9	726541	28.1	124.5	1085.5	1837	599575	2	689932	26.7	93.4	0	+∞	Si
173	709981	9	782237	30.2	124.5	1168.7	1837	673063	2	747124	28.9	93.4	0	+∞	Si
196	769313	9	823925	31.8	124.5	1230.9	1837	733723	2	790954	30.6	93.4	0	+∞	Si
219	814755	9	852554	32.9	124.5	1273.7	1837	781134	2	821000	31.7	93.4	0	+∞	Si
242	845858	9	871749	33.7	124.5	1302.4	1837	814872	2	836838	32.3	93.4	0	+∞	Si
265	868539	3	877020	33.9	124.5	1310.3	1837	834514	2	839638	32.4	93.4	0	+∞	Si
276	874621	3	877020	33.9	124.5	1310.3	1837	838917	2	839638	32.4	93.4	0	+∞	Si
299	875683	3	877020	29.5	124.5	889.7	1837	836622	2	839638	28.3	93.4	0	+∞	Si
322	861592	3	876388	28.5	124.5	802.5	1837	819174	2	838214	27.2	93.4	0	+∞	Si
325	858237	3	876040	28.5	124.5	802.2	1837	815381	2	837427	27.2	93.4	0	+∞	Si
345	831748	3	831748	27	124.5	761.7	1837	785974	2	785974	25.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.009	2	0.009	2	9999	Si
23	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
46	0.011	0.01	0.009	0.009	0.01	0.01	0.009	0.009	0.01	0.01	0.022	2	0.022	2	9999	Si
69	0.016	0.014	0.014	0.013	0.015	0.014	0.013	0.013	0.015	0.014	0.032	2	0.032	2	9999	Si
92	0.02	0.019	0.018	0.016	0.019	0.019	0.017	0.016	0.019	0.019	0.042	2	0.041	2	8221	Si
104	0.022	0.021	0.02	0.018	0.021	0.021	0.018	0.018	0.021	0.021	0.046	2	0.045	2	7452	Si
127	0.026	0.024	0.023	0.021	0.025	0.024	0.021	0.021	0.024	0.024	0.054	2	0.052	2	6416	Si
150	0.029	0.026	0.025	0.023	0.027	0.026	0.024	0.023	0.027	0.026	0.059	2	0.058	2	5811	Si
173	0.03	0.028	0.026	0.024	0.029	0.028	0.025	0.024	0.029	0.028	0.063	2	0.061	2	5495	Si
196	0.03	0.028	0.027	0.024	0.029	0.028	0.025	0.024	0.029	0.028	0.064	2	0.062	2	5414	Si
219	0.03	0.027	0.026	0.024	0.028	0.027	0.025	0.024	0.028	0.027	0.062	2	0.06	2	5566	Si
242	0.027	0.025	0.024	0.022	0.026	0.025	0.023	0.022	0.026	0.025	0.057	2	0.055	2	6011	Si
265	0.024	0.022	0.021	0.019	0.023	0.022	0.02	0.019	0.023	0.022	0.05	2	0.048	2	6925	Si
276	0.021	0.02	0.019	0.017	0.021	0.02	0.018	0.017	0.02	0.02	0.045	2	0.043	2	7686	Si
299	0.016	0.014	0.014	0.013	0.015	0.014	0.013	0.013	0.015	0.014	0.033	2	0.031	2	9999	Si
322	0.008	0.008	0.007	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.018	2	0.017	2	9999	Si
325	0.007	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.015	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	6216	2845	10004	SLV 1	0.48	1478	1.349	-33802	-674215	-963377	SLV 1	0.49	1623	1.402	Si
23	6158	2845	10004	SLV 1	0.48	1540	1.372	-33802	-674215	-963377	SLV 1	0.49	1623	1.402	Si
46	5708	2845	10004	SLV 1	0.54	2070	1.549	-33802	-674215	-963377	SLV 1	0.49	1623	1.402	Si
69	5243	2845	10004	SLV 1	0.57	2474	1.666	86152	-630794	-963377	SLV 1	0.57	2474	1.666	Si
92	4759	2845	8821	SLV 1	0.51	1782	1.457	491272	456842	1414576	SLV 15	0.57	2474	1.666	Si
104	4510	2845	8821	SLV 1	0.54	2090	1.555	537156	432707	1414576	SLV 15	0.57	2474	1.666	Si
127	3998	2845	10097	SLV 1	0.57	2474	1.666	387680	506935	1414576	SLV 15	0.57	2474	1.666	Si
150	3468	2845	10097	SLV 1	0.57	2474	1.666	488630	458190	1414576	SLV 15	0.57	2474	1.666	Si
173	2919	2845	10097	SLV 1	0.57	2474	1.666	577712	410080	1414576	SLV 15	0.57	2474	1.666	Si
196	2352	2845	10097	SLV 1	0.57	2474	1.666	654501	362800	1414576	SLV 15	0.57	2474	1.666	Si
219	1767	2845	10097	SLV 1	0.57	2474	1.666	781134	260720	1414576	SLV 15	0.57	2474	1.666	Si
242	1164	2845	10097	SLV 1	0.57	2474	1.666	781134	260720	1414576	SLV 15	0.57	2474	1.666	Si
265	541	2845	10097	SLV 1	0.57	2474	1.666	806885	230275	1414576	SLV 15	0.57	2474	1.666	Si
276	224	2845	10097	SLV 1	0.57	2474	1.666	820354	210801	1414576	SLV 15	0.57	2474	1.666	Si
299	-426	-2845	-10097	SLV 15	0.57	2474	1.666	836593	176564	2086694	SLV 15	0.57	2474	1.666	Si
322	-1094	-2845	-10097	SLV 15	0.57	2474	1.666	838214	152525	2315301	SLV 15	0.57	2474	1.666	Si
325	-1183	-2845	-10097	SLV 15	0.57	2474	1.666	815381	146731	2315301	SLV 3	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	6216	996	10004	SLD 1	0.5	1724	3.616	-33802	-298003	-963377	SLD 1	0.42	1016	2.911	Si
23	6158	996	10004	SLD 1	0.51	1795	3.676	-33802	-298003	-963377	SLD 1	0.42	1016	2.911	Si
46	5708	996	10004	SLD 1	0.57	2413	4.15	-33802	-298003	-963377	SLD 1	0.42	1016	2.911	Si
69	5243	996	10004	SLD 1	0.6	2474	4.193	86152	-278840	-963377	SLD 1	0.5	1676	3.574	Si
92	4759	996	10097	SLD 1	0.6	2474	4.193	491272	202053	1414576	SLD 15	0.6	2474	4.193	Si
104	4510	996	10097	SLD 1	0.6	2474	4.193	537156	191395	1414576	SLD 15	0.6	2474	4.193	Si
127	3998	996	10097	SLD 1	0.6	2474	4.193	387680	224170	1414576	SLD 15	0.6	2474	4.193	Si
150	3468	996	10097	SLD 1	0.6	2474	4.193	488630	202648	1414576	SLD 15	0.6	2474	4.193	Si
173	2919	996	10097	SLD 1	0.6	2474	4.193	577712	181402	1414576	SLD 15	0.6	2474	4.193	Si
196	2352	996	10097	SLD 1	0.6	2474	4.193	654501	160514	1414576	SLD 15	0.6	2474	4.193	Si
219	1767	996	10097	SLD 1	0.6	2474	4.193	718575	140116	1414576	SLD 15	0.6	2474	4.193	Si
242	1164	996	10097	SLD 1	0.6	2474	4.193	769510	120430	1414576	SLD 15	0.6	2474	4.193	Si
265	541	996	10097	SLD 1	0.6	2474	4.193	834514	81104	1414576	SLD 15	0.6	2474	4.193	Si
276	224	996	10097	SLD 1	0.6	2474	4.193	834514	81104	1414576	SLD 15	0.6	2474	4.193	Si
299	-426	-996	-10097	SLD 15	0.6	2474	4.193	836593	77924	2086694	SLD 15	0.6	2474	4.193	Si
322	-1094	-996	-10097	SLD 15	0.6	2474	4.193	838214	67062	2315301	SLD 15	0.6	2474	4.193	Si
325	-1183	-996	-10097	SLD 15	0.6	2474	4.193	815381	64106	2315301	SLD 3	0.6	2474	4.193	Si

Campata 3 tra i fili 71 - 71A, sezione R 40x70, asta 1109

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	901635	SLU 30	898043	2315301	0.107						Si
17	7.6	5.4	19.01	5.4	890460	SLU 30	890066	2315301	0.107						Si
20	7.6	5.4	19.01	5.4	887002	SLU 30	887002	2315301	0.107						Si
34	7.6	5.4	19.01	5.4	868057	SLU 30	887002	2315301	0.107						Si
51	7.6	5.4	18.95	5.4	834426	SLU 30	884777	2308068	0.107						Si
59	7.6	5.4	17.8	5.4	813400	SLU 30	873351	2172738	0.103						Si
76	7.6	5.4	15.51	5.4	763173	SLU 29	842078	1901772	0.097						Si
85	7.6	5.4	11.4	5.4	734281	SLU 29	822231	1414576	0.086						Si
93	7.6	5.4	11.4	5.4	702581	SLU 29	799576	1414576	0.086						Si
110	7.6	5.4	11.4	5.4	630761	SLU 29	746416	1414576	0.086						Si
127	7.6	5.4	11.4	5.4	547712	SLU 29	682567	1414576	0.086						Si
144	7.6	5.4	11.4	5.4	453434	SLU 29	607491	1414576	0.086						Si
161	11.28	5.4	15.51	5.4	347929	SLU 29	521185	1901345	0.093						Si
178	12.88	5.4	17.8	5.4	232318	SLU 20	423652	2172355	0.096	139261	SLU 17	-38263	-1589308	0.087	Si
187	13.68	5.4	18.95	5.4	173385	SLU 20	370675	2307785	0.098	90318	SLU 17	-104097	-1684201	0.087	Si
204	15.21	5.4	19.01	5.4	47457	SLU 20	256299	2314940	0.096	-14708	SLU 17	-249020	-1864520	0.089	Si
221	15.21	5.4	19.01	5.4	-72408	SLU 2	137645	2314940	0.096	-146063	SLU 35	-249020	-1864520	0.089	Si
232	15.21	5.4	19.01	5.4	-151466	SLU 2	51769	2314940	0.096	-249020	SLU 35	-249020	-1864520	0.089	Si
238	15.21	5.4	19.01	5.4						-301376	SLU 36	-294672	-1864520	0.089	Si
255	15.21	5.4	19.01	5.4						-473534	SLU 36	-356016	-1864520	0.089	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	2323199	SLV 13	2165826	2315301	0.107	-1061023	SLV 3	-903478	-963795	0.081	Si
17	7.6	5.4	19.01	5.4	2051065	SLV 13	2047444	2315301	0.107	-796300	SLV 3	-793152	-963795	0.081	Si
20	7.6	5.4	19.01	5.4	2001975	SLV 13	2001975	2315301	0.107	-750777	SLV 3	-750777	-963795	0.081	Si
34	7.6	5.4	19.01	5.4	1770986	SLV 13	2001975	2315301	0.107	-540696	SLV 3	-750777	-963795	0.081	Si
51	7.6	5.4	18.95	5.4	1484296	SLV 13	1970395	2308068	0.107	-295543	SLV 3	-721491	-963793	0.081	Si
59	7.6	5.4	17.8	5.4	1340219	SLV 15	1830203	2172738	0.103	-178634	SLV 1	-593877	-963750	0.081	Si
76	7.6	5.4	15.51	5.4	1062057	SLV 15	1544768	1901772	0.097	32396	SLV 1	-346397	-963649	0.08	Si
93	7.6	5.4	11.4	5.4	793465	SLV 15	1258174	1414576	0.086	216793	SLV 1	-114820	-963377	0.08	Si
110	7.6	5.4	11.4	5.4	670820	SLV 7	984198	1414576	0.086	238181	SLV 9	-173197	-963377	0.08	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
127	7.6	5.4	11.4	5.4	757416	SLV 7	1063847	1414576	0.086	33264	SLV 9	-515551	-963377	0.08	Si
144	7.6	5.4	11.4	5.4	926601	SLV 3	1250346	1414576	0.086	-271305	SLV 13	-866611	-963377	0.08	Si
161	11.28	5.4	15.51	5.4	1119054	SLV 3	1428401	1901345	0.093	-616204	SLV 13	-1226290	-1399477	0.085	Si
178	12.88	5.4	17.8	5.4	1303111	SLV 3	1597977	2172355	0.096	-969771	SLV 13	-1594553	-1589308	0.087	No
187	13.68	5.4	18.95	5.4	1391970	SLV 3	1679580	2307785	0.098	-1149783	SLV 13	-1781897	-1684201	0.087	No
204	15.21	5.4	19.01	5.4	1563330	SLV 3	1831301	2314940	0.096	-1516246	SLV 13	-2150071	-1864520	0.089	No
221	15.21	5.4	19.01	5.4	1726194	SLV 3	1831301	2314940	0.096	-1891277	SLV 13	-2150071	-1864520	0.089	No
232	15.21	5.4	19.01	5.4	1831301	SLV 3	1831301	2314940	0.096	-2150071	SLV 13	-2150071	-1864520	0.089	No
238	15.21	5.4	19.01	5.4	1880552	SLV 3	1874736	2314940	0.096	-2274865	SLV 13	-2259460	-1864520	0.089	No
255	15.21	5.4	19.01	5.4	2026397	SLV 3	1932517	2314940	0.096	-2667002	SLV 13	-2404976	-1864520	0.089	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	1379833	SLD 13	1310245	2315301	0.107	-117656	SLD 3	-47897	-963795	0.081	Si
17	7.6	5.4	19.01	5.4	1257350	SLD 13	1255616	2315301	0.107	-2586	SLD 3	-1324	-963795	0.081	Si
20	7.6	5.4	19.01	5.4	1234635	SLD 13	1234635	2315301	0.107						Si
34	7.6	5.4	19.01	5.4	1126596	SLD 13	1234635	2315301	0.107						Si
51	7.6	5.4	18.95	5.4	988160	SLD 13	1220021	2308068	0.107						Si
59	7.6	5.4	17.8	5.4	916834	SLD 15	1154481	2172738	0.103						Si
76	7.6	5.4	15.51	5.4	775038	SLD 15	1017599	1901772	0.097						Si
85	7.6	5.4	11.4	5.4	704499	SLD 15	935416	1414576	0.086						Si
93	7.6	5.4	11.4	5.4	632720	SLD 15	875448	1414576	0.086						Si
110	7.6	5.4	11.4	5.4	550225	SLD 7	734125	1414576	0.086						Si
127	7.6	5.4	11.4	5.4	555564	SLD 7	623579	1414576	0.086	235116	SLD 9	-75282	-963377	0.08	Si
144	7.6	5.4	11.4	5.4	592675	SLD 3	660230	1414576	0.086	62621	SLD 13	-276495	-963377	0.08	Si
161	11.28	5.4	15.51	5.4	635338	SLD 3	688389	1901345	0.093	-132489	SLD 13	-486278	-1399477	0.085	Si
178	12.88	5.4	17.8	5.4	669530	SLD 3	708040	2172355	0.096	-336190	SLD 13	-704616	-1589308	0.087	Si
187	13.68	5.4	18.95	5.4	683440	SLD 3	714672	2307785	0.098	-441253	SLD 13	-816990	-1684201	0.087	Si
204	15.21	5.4	19.01	5.4	704879	SLD 3	721470	2314940	0.096	-657795	SLD 13	-1040240	-1864520	0.089	Si
221	15.21	5.4	19.01	5.4	717802	SLD 3	721470	2314940	0.096	-882885	SLD 13	-1040240	-1864520	0.089	Si
232	15.21	5.4	19.01	5.4	721470	SLD 3	721470	2314940	0.096	-1040240	SLD 13	-1040240	-1864520	0.089	Si
238	15.21	5.4	19.01	5.4	722205	SLD 3	722205	2314940	0.096	-1116518	SLD 13	-1107028	-1864520	0.089	Si
255	15.21	5.4	19.01	5.4	718085	SLD 3	718085	2314940	0.096	-1358690	SLD 13	-1195874	-1864520	0.089	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.66	0	582	SLU 24	582	11456	68363	0	11456	1	Si
0	0	16.66	0	-458	SLU 12	-458	-11456	-68363	0	-11456	1	Si
17	0	11.4	0	-988	SLU 30	-988	-10097	-68363	0	-10097	1	Si
20	0.201	11.4	0	-1104	SLU 30	-1104	-10097	-68363	-23342	-23342	1	Si
34	0.201	11.4	0	-1648	SLU 30	-1648	-10097	-68363	-23342	-23342	1	Si
51	0.201	11.4	0	-2309	SLU 30	-2309	-10097	-68363	-23342	-23342	1	Si
59	0.201	11.4	0	-2639	SLU 30	-2639	-10097	-68363	-23342	-23342	1	Si
76	0.201	11.4	0	-3299	SLU 30	-3299	-10097	-68363	-23342	-23342	1	Si
93	0.222	15.51	0	-3960	SLU 30	-3960	-11187	-68363	-25757	-25757	1	Si
110	0.222	17.8	0	-4620	SLU 30	-4620	-11713	-68363	-25757	-25757	1	Si
127	0.222	17.8	0	-5281	SLU 30	-5281	-11713	-68363	-25757	-25757	1	Si
144	0.222	15.51	0	-5941	SLU 30	-5941	-11187	-68363	-25757	-25757	1	Si
161	0.222	11.4	0	-6635	SLU 36	-6635	-10097	-68363	-25757	-25757	1	Si
178	0.244	11.4	0	-7333	SLU 36	-7333	-10097	-68363	-28344	-28344	1	Si
187	0.244	11.4	0	-7683	SLU 36	-7683	-10097	-68363	-28344	-28344	1	Si
204	0.244	11.4	0	-8381	SLU 36	-8381	-10097	-68363	-28344	-28344	1	Si
221	0.244	7.6	0	-9079	SLU 36	-9079	-8821	-68363	-28344	-28344	1	Si
232	0.244	12.08	0	-9552	SLU 36	-9552	-10293	-68363	-28344	-28344	1	Si
238	0	12.08	0	-9778	SLU 36	-9778	-10293	-68363	0	-10293	1	Si
255	0	13.68	0	-10476	SLU 36	-10476	-10729	-68363	0	-10729	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	15861	SLV 3	19976	8821	68363	0	8821	1	Si
0	0	16.66	0	-15795	SLV 13	-19910	-11456	-68363	0	-11456	1	Si
17	0	7.6	0	15359	SLV 3	19474	8821	68363	0	8821	1	Si
17	0	11.4	0	-16297	SLV 13	-20412	-10097	-68363	0	-10097	1	Si
20	0.201	7.6	0	15270	SLV 3	19385	8821	68363	23342	23342	1	Si
20	0.201	11.4	0	-16385	SLV 13	-20500	-10097	-68363	-23342	-23342	1	Si
34	0.201	7.6	0	14857	SLV 3	18972	8821	68363	23342	23342	1	Si
34	0.201	11.4	0	-16798	SLV 13	-20914	-10097	-68363	-23342	-23342	1	Si
51	0.201	7.6	0	14355	SLV 3	18470	8821	68363	23342	23342	1	Si
51	0.201	11.4	0	-17300	SLV 13	-21415	-10097	-68363	-23342	-23342	1	Si
59	0.201	7.6	0	14104	SLV 3	18219	8821	68363	23342	23342	1	Si
59	0.201	11.4	0	-17551	SLV 13	-21666	-10097	-68363	-23342	-23342	1	Si
76	0.201	11.4	0	13602	SLV 3	17717	10097	68363	23342	23342	1	Si
76	0.201	11.4	0	-18053	SLV 13	-22168	-10097	-68363	-23342	-23342	1	Si
93	0.222	15.51	0	13100	SLV 3	17216	11187	68363	25757	25757	1	Si
93	0.222	15.51	0	-18555	SLV 13	-22670	-11187	-68363	-25757	-25757	1	Si
110	0.222	17.8	0	12598	SLV 3	16714	11713	68363	25757	25757	1	Si
110	0.222	17.8	0	-19057	SLV 13	-23172	-11713	-68363	-25757	-25757	1	Si
127	0.222	17.8	0	12097	SLV 3	16212	11713	68363	25757	25757	1	Si
127	0.222	17.8	0	-19559	SLV 13	-23674	-11713	-68363	-25757	-25757	1	Si
144	0.222	15.51	0	11595	SLV 3	15710	11187	68363	25757	25757	1	Si
144	0.222	7.6	0	-20060	SLV 13	-24176	-8821	-68363	-25757	-25757	1	Si
161	0.222	11.4	0	11093	SLV 3	15208	10097	68363	25757	25757	1	Si
161	0.222	7.6	0	-20562	SLV 13	-24677	-8821	-68363	-25757	-25757	1	Si
178	0.244	11.4	0	10591	SLV 3	14706	10097	68363	28344	28344	1	Si
178	0.244	7.6	0	-21064	SLV 13	-25179	-8821	-68363	-28344	-28344	1	Si
187	0.244	11.4	0	10340	SLV 3	14455	10097	68363	28344	28344	1	Si
187	0.244	7.6	0	-21315	SLV 13	-25430	-8821	-68363	-28344	-28344	1	Si
204	0.244	11.4	0	9838	SLV 3	13953	10097	68363	28344	28344	1	Si
204	0.244	7.6	0	-21817	SLV 13	-25932	-8821	-68363	-28344	-28344	1	Si
221	0.244	11.4	0	9336	SLV 3	13452	10097	68363	28344	28344	1	Si
221	0.244	7.6	0	-22319	SLV 13	-26434	-8821	-68363	-28344	-28344	1	Si
232	0.244	16.66	0	8997	SLV 3	13112	11456	68363	28344	28344	1	Si
232	0.244	12.08	0	-22658	SLV 13	-26773	-10293	-68363	-28344	-28344	1	Si
238	0	16.66	0	8835	SLV 3	12950	11456	68363	0	11456	1	Si
238	0	12.08	0	-22821	SLV 13	-26936	-10293	-68363	0	-10293	1	Si
255	0	18.95	0	8333	SLV 3	12448	11958	68363	0	11958	1	Si
255	0	13.68	0	-23322	SLV 13	-27438	-10729	-68363	0	-10729	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	7036	SLD 3	7036	8821	68363	0	8821	1	Si
0	0	16.66	0	-6971	SLD 13	-6971	-11456	-68363	0	-11456	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
17	0	7.6	0	6535	SLD 3	6535	8821	68363	0	8821	1	Si
17	0	11.4	0	-7472	SLD 13	-7472	-10097	-68363	0	-10097	1	Si
20	0.201	11.4	0	6446	SLD 3	6446	10097	68363	23342	23342	1	Si
20	0.201	11.4	0	-7561	SLD 13	-7561	-10097	-68363	-23342	-23342	1	Si
34	0.201	11.4	0	6033	SLD 3	6033	10097	68363	23342	23342	1	Si
34	0.201	11.4	0	-7974	SLD 13	-7974	-10097	-68363	-23342	-23342	1	Si
51	0.201	11.4	0	5531	SLD 3	5531	10097	68363	23342	23342	1	Si
51	0.201	11.4	0	-8476	SLD 13	-8476	-10097	-68363	-23342	-23342	1	Si
59	0.201	11.4	0	5280	SLD 3	5280	10097	68363	23342	23342	1	Si
59	0.201	11.4	0	-8727	SLD 13	-8727	-10097	-68363	-23342	-23342	1	Si
76	0.201	11.4	0	4778	SLD 3	4778	10097	68363	23342	23342	1	Si
76	0.201	11.4	0	-9229	SLD 13	-9229	-10097	-68363	-23342	-23342	1	Si
93	0.222	15.51	0	4276	SLD 3	4276	11187	68363	25757	25757	1	Si
93	0.222	15.51	0	-9731	SLD 13	-9731	-11187	-68363	-25757	-25757	1	Si
110	0.222	17.8	0	3774	SLD 3	3774	11713	68363	25757	25757	1	Si
110	0.222	17.8	0	-10233	SLD 13	-10233	-11713	-68363	-25757	-25757	1	Si
127	0.222	17.8	0	3273	SLD 3	3273	11713	68363	25757	25757	1	Si
127	0.222	17.8	0	-10734	SLD 13	-10734	-11713	-68363	-25757	-25757	1	Si
144	0.222	15.51	0	2771	SLD 3	2771	11187	68363	25757	25757	1	Si
144	0.222	15.51	0	-11236	SLD 13	-11236	-11187	-68363	-25757	-25757	1	Si
161	0.222	11.4	0	2269	SLD 3	2269	10097	68363	25757	25757	1	Si
161	0.222	7.6	0	-11738	SLD 13	-11738	-8821	-68363	-25757	-25757	1	Si
178	0.244	11.4	0	1767	SLD 3	1767	10097	68363	28344	28344	1	Si
178	0.244	7.6	0	-12240	SLD 13	-12240	-8821	-68363	-28344	-28344	1	Si
187	0.244	11.4	0	1516	SLD 3	1516	10097	68363	28344	28344	1	Si
187	0.244	7.6	0	-12491	SLD 13	-12491	-8821	-68363	-28344	-28344	1	Si
204	0.244	11.4	0	1014	SLD 3	1014	10097	68363	28344	28344	1	Si
204	0.244	7.6	0	-12993	SLD 13	-12993	-8821	-68363	-28344	-28344	1	Si
221	0.244	11.4	0	512	SLD 3	512	10097	68363	28344	28344	1	Si
221	0.244	7.6	0	-13495	SLD 13	-13495	-8821	-68363	-28344	-28344	1	Si
232	0.244	16.66	0	173	SLD 3	173	11456	68363	28344	28344	1	Si
232	0.244	12.08	0	-13834	SLD 13	-13834	-10293	-68363	-28344	-28344	1	Si
238	0	16.66	0	11	SLD 3	11	11456	68363	0	11456	1	Si
238	0	12.08	0	-13997	SLD 13	-13997	-10293	-68363	0	-10293	1	Si
255	0	13.68	0	-14498	SLD 13	-14498	-10729	-68363	0	-10729	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	669180	3	667336	21.7	124.5	611.1	1837	631088	2	631088	20.5	93.4	0	+∞	Si
17	662193	3	661913	21.5	124.5	606.1	1837	627382	2	627146	20.4	93.4	0	+∞	Si
20	659831	3	659831	21.4	124.5	604.2	1837	625599	2	625599	20.3	93.4	0	+∞	Si
34	646675	3	659831	21.4	124.5	604.2	1837	615145	2	625599	20.3	93.4	0	+∞	Si
51	622625	3	658311	21.4	124.5	604.7	1837	594376	2	624452	20.3	93.4	0	+∞	Si
59	607401	3	650381	21.6	124.5	634	1837	580792	2	618163	20.5	93.4	0	+∞	Si
76	570719	2	628123	21.8	124.5	698.4	1837	547226	2	599185	20.8	93.4	0	+∞	Si
93	526081	2	597334	23.1	124.5	892.4	1837	505129	2	571677	22.1	93.4	0	+∞	Si
110	472911	2	558392	21.6	124.5	834.2	1837	454500	2	535637	20.7	93.4	0	+∞	Si
127	411210	2	511280	19.8	124.5	763.9	1837	395340	2	491065	19	93.4	0	+∞	Si
144	340977	2	455636	17.6	124.5	680.7	1837	327648	2	437962	16.9	93.4	0	+∞	Si
161	262213	2	391461	12.9	124.5	433.2	1837	251425	2	376328	12.4	93.4	0	+∞	Si
178	174917	2	318754	9.8	124.5	308.5	1837	166670	2	306162	9.4	93.4	0	+∞	Si
187	128070	2	279201	8.3	124.5	254.3	1837	121094	2	267880	8	93.4	0	+∞	Si
204	27977	2	193697	5.7	124.5	175.6	1837	23542	2	184917	5.4	93.4	0	+∞	Si
221	-104847	8	-182284	5.4	124.5	204.2	1837	-85384	1	-159649	4.8	93.4	0	+∞	Si
232	-182284	8	-182284	5.4	124.5	204.2	1837	-159649	1	-159649	4.8	93.4	0	+∞	Si
238	-221521	9	-216501	6.5	124.5	242.5	1837	-197156	2	-192362	5.7	93.4	0	+∞	Si
255	-350473	9	-262428	7.8	124.5	293.9	1837	-320302	2	-236229	7.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
20	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
34	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
51	0.008	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.014	2	9999	Si
59	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.017	2	0.015	2	9999	Si
76	0.009	0.008	0.008	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.019	2	0.018	2	9999	Si
93	0.01	0.009	0.008	0.007	0.01	0.009	0.008	0.007	0.01	0.009	0.02	2	0.019	2	9999	Si
102	0.01	0.009	0.008	0.007	0.01	0.009	0.008	0.008	0.01	0.009	0.02	2	0.019	2	9999	Si
110	0.01	0.009	0.008	0.007	0.01	0.009	0.008	0.008	0.01	0.009	0.02	2	0.019	2	9999	Si
127	0.01	0.009	0.008	0.007	0.009	0.009	0.008	0.007	0.009	0.009	0.019	2	0.018	2	9999	Si
144	0.009	0.008	0.008	0.007	0.009	0.008	0.007	0.007	0.009	0.008	0.018	2	0.017	2	9999	Si
161	0.008	0.007	0.007	0.006	0.008	0.007	0.006	0.006	0.008	0.007	0.016	2	0.015	2	9999	Si
178	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
187	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.012	2	0.011	2	9999	Si
204	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
221	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
232	0.002	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
238	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-557	-19943	-23342	SLV 13	0.41	986	1.143	625599	-1376376	-963795	SLV 3	0.42	1014	1.156	Si
34	-971	-19943	-23342	SLV 13	0.41	942	1.122	625599	-1376376	-963795	SLV 3	0.42	1014	1.156	Si
51	-1473	-19943	-23342	SLV 13	0.4	891	1.096	624452	-1345943	-963793	SLV 3	0.43	1074	1.184	Si
59	-1724	-19943	-23342	SLV 13	0.39	866	1.084	618163	1212040	2172738	SLV 13	0.46	1339	1.296	Si
76	-2225	-19943	-23342	SLV 13	0.38	818	1.059	599185	945582	1901772	SLV 13	0.49	1619	1.4	Si
93	-2727	-19943	-25757	SLV 13	0.42	1014	1.156	571677	686497	1414576	SLV 15	0.44	1193	1.236	Si
110	-3229	-19943	-25757	SLV 13	0.41	958	1.129	535637	448562	1414576	SLV 15	0.57	2474	1.666	Si
127	-3731	-19943	-25757	SLV 13	0.4	907	1.104	274148	789699	1414576	SLV 3	0.52	1837	1.475	Si
144	-4233	-19943	-25757	SLV 13	0.39	857	1.079	191868	-1058479	-963377	SLV 13	0.4	881	1.091	Si
161	-4735	-19943	-25757	SLV 13	0.38	809	1.054	101056	-1327346	-1399477	SLV 13	0.41	960	1.13	Si
178	-5236	-19943	-28344	SLV 13	0.42	1023	1.16	1712	-1596265	-1589308	SLV 13	0.36	706	0.997	No
187	-5487	-19943	-28344	SLV 13	0.41	994	1.147	-51159	-1730739	-1684201	SLV 13	0.34	618	0.944	No

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
204	-5989	-19943	-28344	SLV 13	0.41	940	1.121	-159385	-1990686	-1864520	SLV 13	0.31	489	0.857	No
221	-6491	-19943	-28344	SLV 13	0.4	889	1.095	-159385	-1990686	-1864520	SLV 13	0.31	489	0.857	No
232	-6831	-19943	-28344	SLV 13	0.39	856	1.078	-159385	-1990686	-1864520	SLV 13	0.31	489	0.857	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-557	-7004	-23342	SLD 13	0.44	1138	3.05	625599	-609035	-963795	SLD 3	0.35	655	2.432	Si
34	-971	-7004	-23342	SLD 13	0.43	1083	2.988	625599	-609035	-963795	SLD 3	0.35	655	2.432	Si
51	-1473	-7004	-23342	SLD 13	0.42	1018	2.913	624452	-595569	-963793	SLD 3	0.36	690	2.484	Si
59	-1724	-7004	-23342	SLD 13	0.41	987	2.877	618163	536318	2172738	SLD 13	0.39	845	2.699	Si
76	-2225	-7004	-23342	SLD 13	0.4	931	2.809	599185	418414	1901772	SLD 13	0.42	1011	2.905	Si
93	-2727	-7004	-25757	SLD 13	0.44	1171	3.086	571677	303771	1414576	SLD 15	0.37	760	2.584	Si
110	-3229	-7004	-25757	SLD 13	0.43	1104	3.012	535637	198488	1414576	SLD 15	0.58	2474	4.193	Si
127	-3731	-7004	-25757	SLD 13	0.42	1039	2.938	274148	349430	1414576	SLD 3	0.44	1147	3.059	Si
144	-4233	-7004	-25757	SLD 13	0.41	975	2.862	191868	-468363	-963377	SLD 13	0.33	572	2.3	Si
161	-4735	-7004	-25757	SLD 13	0.4	921	2.796	101056	-587334	-1399477	SLD 13	0.35	623	2.382	Si
178	-5236	-7004	-28344	SLD 13	0.44	1181	3.096	1712	-706328	-1589308	SLD 13	0.31	461	2.105	Si
187	-5487	-7004	-28344	SLD 13	0.44	1147	3.059	-51159	-765831	-1684201	SLD 13	0.29	409	2.005	Si
204	-5989	-7004	-28344	SLD 13	0.43	1081	2.986	-159385	-880855	-1864520	SLD 13	0.27	332	1.84	Si
221	-6491	-7004	-28344	SLD 13	0.42	1017	2.912	-159385	-880855	-1864520	SLD 13	0.27	332	1.84	Si
232	-6831	-7004	-28344	SLD 13	0.41	974	2.861	-159385	-880855	-1864520	SLD 13	0.27	332	1.84	Si

Campata 4 tra i fili 71A - 71B, sezione R 40x70, asta 1110

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	19.01	5.4						-124082	SLU 35	-116927	-1864520	0.089	Si
14	15.21	5.4	19.01	5.4						-118993	SLU 35	-118118	-1864520	0.089	Si
23	15.21	5.4	19.01	5.4						-120002	SLU 35	-149002	-1864520	0.089	Si
28	15.21	5.4	19.01	5.4						-121957	SLU 35	-158604	-1864520	0.089	Si
42	15.21	5.4	17.95	5.4						-134843	SLU 36	-188917	-1864588	0.09	Si
56	14.15	5.4	16.06	5.4						-156489	SLU 36	-227282	-1739448	0.089	Si
63	13.49	5.4	15.12	5.4						-170331	SLU 36	-249484	-1661330	0.088	Si
77	13.66	5.8	11.4	5.4						-204054	SLU 36	-299927	-1670056	0.09	Si
91	13	6.1	11.4	5.4						-245830	SLU 36	-358422	-1586535	0.089	Si
105	10.41	6.5	11.4	5.4						-295657	SLU 36	-424970	-1274524	0.085	Si
119	12.7	7	11.4	5.4						-353537	SLU 36	-499569	-1527080	0.09	Si
133	13.69	7.2	11.4	5.4						-419469	SLU 36	-582220	-1636523	0.092	Si
147	18.13	6.9	11.4	5.4						-493453	SLU 36	-672924	-2157765	0.101	Si
161	20.11	6.9	11.4	5.4						-575489	SLU 36	-752987	-2386773	0.105	Si
168	20.97	6.9	11.4	5.4						-619526	SLU 36	-752987	-2486637	0.107	Si
182	22.29	6.8	11.4	5.4						-713641	SLU 36	-752987	-2642667	0.11	Si
187	22.81	6.7	11.4	5.4						-752987	SLU 36	-752987	-2703800	0.111	Si
196	22.81	6.7	11.4	5.4						-815807	SLU 36	-802874	-2703800	0.111	Si
210	22.81	6.7	11.4	5.4						-926025	SLU 36	-834391	-2703800	0.111	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	19.01	5.4	750421	SLV 11	736664	2314940	0.096	-877798	SLV 5	-859472	-1864520	0.089	Si
14	15.21	5.4	19.01	5.4	715730	SLV 11	715730	2314940	0.096	-842905	SLV 5	-842905	-1864520	0.089	Si
23	15.21	5.4	19.01	5.4	695685	SLV 11	695685	2314940	0.096	-828625	SLV 5	-829578	-1864520	0.089	Si
28	15.21	5.4	19.01	5.4	683594	SLV 11	695685	2314940	0.096	-822137	SLV 5	-837513	-1864520	0.089	Si
42	15.21	5.4	17.95	5.4	658724	SLV 7	695685	2189610	0.095	-820207	SLV 9	-865709	-1864588	0.09	Si
56	14.15	5.4	16.06	5.4	639606	SLV 7	685946	1966432	0.092	-835603	SLV 9	-902557	-1739448	0.089	Si
63	13.49	5.4	15.12	5.4	630506	SLV 7	670154	1854818	0.091	-848098	SLV 9	-923753	-1661330	0.088	Si
77	13.66	5.8	11.4	5.4	610780	SLV 7	650309	1426834	0.088	-880243	SLV 9	-971229	-1670056	0.09	Si
91	13	6.1	11.4	5.4	587384	SLV 7	631897	1432432	0.09	-920290	SLV 9	-1030016	-1586535	0.089	Si
105	10.41	6.5	11.4	5.4	559344	SLV 7	612343	1438308	0.093	-967265	SLV 9	-1162769	-1274524	0.085	Si
112	10.74	6.6	11.4	5.4	543431	SLV 7	601326	1441027	0.094	-993199	SLV 9	-1231649	-1311041	0.086	Si
119	12.7	7	11.4	5.4	526209	SLV 7	590700	1457199	0.1	-1020717	SLV 9	-1302148	-1527080	0.09	Si
133	13.69	7.2	11.4	5.4	559611	SLV 3	614270	1465186	0.102	-1152278	SLV 13	-1447906	-1636523	0.092	Si
147	18.13	6.9	11.4	5.4	588767	SLV 3	632490	1470263	0.098	-1291165	SLV 13	-1599886	-2157765	0.101	Si
161	20.11	6.9	11.4	5.4	612742	SLV 3	643301	1475543	0.098	-1436444	SLV 13	-1728539	-2386773	0.105	Si
168	20.97	6.9	11.4	5.4	622735	SLV 3	643301	1477128	0.098	-1511427	SLV 13	-1728539	-2486637	0.107	Si
182	22.29	6.8	11.4	5.4	638658	SLV 3	643301	1476939	0.097	-1666012	SLV 13	-1728539	-2642667	0.11	Si
187	22.81	6.7	11.4	5.4	643301	SLV 3	643301	1476959	0.096	-1728539	SLV 13	-1728539	-2703800	0.111	Si
196	22.81	6.7	11.4	5.4	649098	SLV 3	649098	1476959	0.096	-1826685	SLV 13	-1807724	-2703800	0.111	Si
210	22.81	6.7	11.4	5.4	653996	SLV 3	652784	1476959	0.096	-1993389	SLV 13	-1857748	-2703800	0.111	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	19.01	5.4	296176	SLD 11	291376	2314940	0.096	-423554	SLD 5	-414185	-1864520	0.089	Si
14	15.21	5.4	19.01	5.4	280887	SLD 11	280887	2314940	0.096	-408062	SLD 5	-408062	-1864520	0.089	Si
23	15.21	5.4	19.01	5.4	270434	SLD 11	270434	2314940	0.096	-403374	SLD 5	-418303	-1864520	0.089	Si
28	15.21	5.4	19.01	5.4	263549	SLD 11	270434	2314940	0.096	-402092	SLD 5	-426072	-1864520	0.089	Si
42	15.21	5.4	17.95	5.4	246271	SLD 7	270434	2189610	0.095	-407754	SLD 9	-451704	-1864588	0.09	Si
56	14.15	5.4	16.06	5.4	228304	SLD 7	264889	1966432	0.092	-424301	SLD 9	-484359	-1739448	0.089	Si
63	13.49	5.4	15.12	5.4	218296	SLD 7	254863	1854818	0.091	-435888	SLD 9	-503115	-1661330	0.088	Si
77	13.66	5.8	11.4	5.4	195155	SLD 7	238867	1426834	0.088	-464618	SLD 9	-545287	-1670056	0.09	Si
91	13	6.1	11.4	5.4	167139	SLD 7	219826	1432432	0.09	-500045	SLD 9	-595681	-1586535	0.089	Si
105	10.41	6.5	11.4	5.4	133829	SLD 7	197010	1438308	0.093	-541749	SLD 9	-682015	-1274524	0.085	Si
112	10.74	6.6	11.4	5.4	115122	SLD 7	183833	1441027	0.094	-564890	SLD 9	-727495	-1311041	0.086	Si
119	12.7	7	11.4	5.4	95029	SLD 7	169379	1457199	0.1	-589537	SLD 9	-774496	-1527080	0.09	Si
133	13.69	7.2	11.4	5.4	82432	SLD 3	136478	1465186	0.102	-675099	SLD 13	-873018	-1636523	0.092	Si
147	18.13	6.9	11.4	5.4	64718	SLD 3	98101	1470263	0.098	-767116	SLD 13	-977514	-2157765	0.101	Si
161	20.11	6.9	11.4	5.4	41479	SLD 3	83474	1475543	0.098	-865180	SLD 13	-1067256	-2386773	0.105	Si
168	20.97	6.9	11.4	5.4	27765	SLD 3	75509	1477128	0.098	-916457	SLD 13	-1067256	-2486637	0.107	Si
182	22.29	6.8	11.4	5.4	-3884	SLD 3	55464	1476939	0.097	-1023470	SLD 13	-1067256	-2642667	0.11	Si
187	22.81	6.7	11.4	5.4	-17982	SLD 3	46000	1476959	0.096	-1067256	SLD 13	-1067256	-2703800	0.111	Si
196	22.81	6.7	11.4	5.4						-1136400	SLD 13	-1122717	-2703800	0.111	Si
210	22.81	6.7	11.4	5.4						-1255221	SLD 13	-1157755	-2703800	0.111	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.49	0	651	SLU 35	651	10678	68363	0	10678	1	Si
14	0	13.66	0	131	SLU 17	131	10723	68363	0	10723	1	Si
14	0	13.66	0	-430	SLU 20	-430	-10723	-68363	0	-10723	1	Si
23	0.128	13.33	0	-746	SLU 20	-746	-10636	-68363	-14854	-14854	1	Si
28	0.128	13	0	-951	SLU 20	-951	-10548	-68363	-14854	-14854	1	Si
42	0.128	10.41	0	-1472	SLU 20	-1472	-9796	-68363	-14854	-14854	1	Si
56	0.128	12.7	0	-1999	SLU 29	-1999	-10465	-68363	-14854	-14854	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
63	0.128	13.36	0	-2271	SLU 29	-2271	-10643	-68363	-14854	-14854	1	Si
77	0.128	15.21	0	-2815	SLU 29	-2815	-11076	-67901	-14753	-14753	1	Si
91	0.128	15.21	0	-3359	SLU 29	-3359	-11058	-67662	-14702	-14702	1	Si
105	0.128	15.21	0	-3903	SLU 29	-3903	-11022	-67220	-14606	-14606	1	Si
119	0.128	14.15	0	-4447	SLU 29	-4447	-10717	-66665	-14485	-14485	1	Si
133	0.128	12.83	0	-4999	SLU 34	-4999	-10359	-66481	-14445	-14445	1	Si
147	0.128	13.33	0	-5575	SLU 34	-5575	-10516	-66788	-14512	-14512	1	Si
161	0.128	10.08	0	-6150	SLU 34	-6150	-9583	-66805	-14515	-14515	1	Si
168	0.128	10.41	0	-6437	SLU 34	-6437	-9688	-66828	-14520	-14520	1	Si
182	0.128	12.7	0	-7012	SLU 34	-7012	-10357	-66919	-14540	-14540	1	Si
187	0.128	13.36	0	-7238	SLU 34	-7238	-10536	-66952	-14547	-14547	1	Si
196	0	13.69	0	-7588	SLU 34	-7588	-10622	-66952	0	-10622	1	Si
210	0	18.13	0	-8163	SLU 34	-8163	-11666	-66952	0	-11666	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.49	0	7117	SLV 1	8912	10678	68363	0	10678	1	Si
0	0	15.12	0	-6689	SLV 15	-8484	-11092	-68363	0	-11092	1	Si
14	0	13.66	0	6704	SLV 1	8499	10723	68363	0	10723	1	Si
14	0	11.4	0	-7103	SLV 15	-8898	-10097	-68363	0	-10097	1	Si
23	0.128	13.33	0	6453	SLV 1	8248	10636	68363	14854	14854	1	Si
23	0.128	11.4	0	-7354	SLV 15	-9149	-10097	-68363	-14854	-14854	1	Si
28	0.128	13	0	6291	SLV 1	8086	10548	68363	14854	14854	1	Si
28	0.128	11.4	0	-7516	SLV 15	-9311	-10097	-68363	-14854	-14854	1	Si
42	0.128	10.41	0	5877	SLV 1	7672	9796	68363	14854	14854	1	Si
42	0.128	10.41	0	-7929	SLV 15	-9724	-9796	-68363	-14854	-14854	1	Si
56	0.128	12.7	0	5464	SLV 1	7259	10465	68363	14854	14854	1	Si
56	0.128	12.7	0	-8343	SLV 15	-10138	-10465	-68363	-14854	-14854	1	Si
63	0.128	13.36	0	5258	SLV 1	7052	10643	68363	14854	14854	1	Si
63	0.128	13.36	0	-8549	SLV 15	-10344	-10643	-68363	-14854	-14854	1	Si
77	0.128	11.4	0	4844	SLV 1	6639	10097	68363	14854	14854	1	Si
77	0.128	15.21	0	-8963	SLV 15	-10757	-11076	-67901	-14753	-14753	1	Si
91	0.128	11.4	0	4431	SLV 1	6226	10097	68363	14854	14854	1	Si
91	0.128	15.21	0	-9376	SLV 15	-11171	-11058	-67662	-14702	-14702	1	Si
105	0.128	11.4	0	4018	SLV 1	5813	10097	68363	14854	14854	1	Si
105	0.128	15.21	0	-9789	SLV 15	-11584	-11022	-67220	-14606	-14606	1	Si
119	0.128	11.4	0	3604	SLV 1	5399	10097	68363	14854	14854	1	Si
119	0.128	14.15	0	-10202	SLV 15	-11997	-10717	-66665	-14485	-14485	1	Si
133	0.128	11.4	0	3191	SLV 1	4986	10097	68363	14854	14854	1	Si
133	0.128	12.83	0	-10616	SLV 15	-12411	-10359	-66481	-14445	-14445	1	Si
147	0.128	11.4	0	2778	SLV 1	4573	10097	68363	14854	14854	1	Si
147	0.128	13.33	0	-11029	SLV 15	-12824	-10516	-66788	-14512	-14512	1	Si
161	0.128	11.4	0	2364	SLV 1	4159	10097	68363	14854	14854	1	Si
161	0.128	10.08	0	-11442	SLV 15	-13237	-9583	-66805	-14515	-14515	1	Si
168	0.128	11.4	0	2158	SLV 1	3953	10097	68363	14854	14854	1	Si
168	0.128	10.41	0	-11649	SLV 15	-13444	-9688	-66828	-14520	-14520	1	Si
182	0.128	11.4	0	1745	SLV 1	3539	10097	68363	14854	14854	1	Si
182	0.128	12.7	0	-12062	SLV 15	-13857	-10357	-66919	-14540	-14540	1	Si
187	0.128	11.4	0	1582	SLV 1	3377	10097	68363	14854	14854	1	Si
187	0.128	13.36	0	-12225	SLV 15	-14019	-10536	-66952	-14547	-14547	1	Si
196	0	11.4	0	1331	SLV 1	3126	10097	68363	0	10097	1	Si
196	0	13.69	0	-12476	SLV 15	-14270	-10622	-66952	0	-10622	1	Si
210	0	11.4	0	918	SLV 1	2713	10097	68363	0	10097	1	Si
210	0	18.13	0	-12889	SLV 15	-14684	-11666	-66952	0	-11666	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.49	0	3264	SLD 1	3264	10678	68363	0	10678	1	Si
0	0	15.12	0	-2836	SLD 15	-2836	-11092	-68363	0	-11092	1	Si
14	0	13.66	0	2851	SLD 1	2851	10723	68363	0	10723	1	Si
14	0	11.4	0	-3250	SLD 15	-3250	-10097	-68363	0	-10097	1	Si
23	0.128	13.33	0	2600	SLD 1	2600	10636	68363	14854	14854	1	Si
23	0.128	11.4	0	-3501	SLD 15	-3501	-10097	-68363	-14854	-14854	1	Si
28	0.128	13	0	2438	SLD 1	2438	10548	68363	14854	14854	1	Si
28	0.128	11.4	0	-3663	SLD 15	-3663	-10097	-68363	-14854	-14854	1	Si
42	0.128	10.41	0	2024	SLD 1	2024	9796	68363	14854	14854	1	Si
42	0.128	10.41	0	-4076	SLD 15	-4076	-9796	-68363	-14854	-14854	1	Si
56	0.128	12.7	0	1611	SLD 1	1611	10465	68363	14854	14854	1	Si
56	0.128	12.7	0	-4490	SLD 15	-4490	-10465	-68363	-14854	-14854	1	Si
63	0.128	13.36	0	1404	SLD 1	1404	10643	68363	14854	14854	1	Si
63	0.128	13.36	0	-4696	SLD 15	-4696	-10643	-68363	-14854	-14854	1	Si
77	0.128	15.21	0	991	SLD 1	991	11076	67901	14753	14753	1	Si
77	0.128	15.21	0	-5109	SLD 15	-5109	-11076	-67901	-14753	-14753	1	Si
91	0.128	15.21	0	578	SLD 1	578	11058	67662	14702	14702	1	Si
91	0.128	15.21	0	-5523	SLD 15	-5523	-11058	-67662	-14702	-14702	1	Si
105	0.128	15.21	0	165	SLD 1	165	11022	67220	14606	14606	1	Si
105	0.128	15.21	0	-5936	SLD 15	-5936	-11022	-67220	-14606	-14606	1	Si
119	0.128	14.15	0	-6349	SLD 15	-6349	-10717	-66665	-14485	-14485	1	Si
133	0.128	12.83	0	-6763	SLD 15	-6763	-10359	-66481	-14445	-14445	1	Si
147	0.128	13.33	0	-7176	SLD 15	-7176	-10516	-66788	-14512	-14512	1	Si
161	0.128	10.08	0	-7589	SLD 15	-7589	-9583	-66805	-14515	-14515	1	Si
168	0.128	10.41	0	-7796	SLD 15	-7796	-9688	-66828	-14520	-14520	1	Si
182	0.128	12.7	0	-8209	SLD 15	-8209	-10357	-66919	-14540	-14540	1	Si
187	0.128	13.36	0	-8372	SLD 15	-8372	-10536	-66952	-14547	-14547	1	Si
196	0	13.69	0	-8622	SLD 15	-8622	-10622	-66952	0	-10622	1	Si
210	0	18.13	0	-9036	SLD 15	-9036	-11666	-66952	0	-11666	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-87555	8	-82506	2.5	124.5	92.4	1837	-67038	1	-63570	1.9	93.4	0	+∞	Si
14	-84152	8	-83541	2.5	124.5	93.6	1837	-65464	1	-65073	1.9	93.4	0	+∞	Si
23	-85178	8	-107654	3.2	124.5	120.6	1837	-67453	1	-92080	2.7	93.4	0	+∞	Si
28	-86825	8	-114983	3.4	124.5	128.8	1837	-69676	1	-99649	3	93.4	0	+∞	Si
42	-96824	9	-138072	4.2	124.5	154.8	1837	-80742	2	-123133	3.7	93.4	0	+∞	Si
56	-113370	9	-167238	5.3	124.5	201.3	1837	-97998	2	-152404	4.8	93.4	0	+∞	Si
63	-123923	9	-184100	6	124.5	232.3	1837	-108796	2	-169209	5.5	93.4	0	+∞	Si
77	-149586	9	-222383	7.7	124.5	282.6	1837	-134732	2	-207159	7.2	93.4	0	+∞	Si
91	-181326	9	-266742	9.4	124.5	358.5	1837	-166453	2	-250895	8.9	93.4	0	+∞	Si
105	-219144	9	-317179	12.3	124.5	536.1	1837	-203960	2	-300416	11.6	93.4	0	+∞	Si
119	-263039	9	-373694	13.6	124.5	532.4	1837	-247254	2	-355724	13	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
133	-313012	9	-436285	15.6	124.5	582.4	1837	-296334	2	-416818	14.9	93.4	0	+∞	Si
147	-369061	9	-504954	16.3	124.5	509.6	1837	-351199	2	-483698	15.6	93.4	0	+∞	Si
161	-431189	9	-565554	17.7	124.5	516.9	1837	-411851	2	-542619	17	93.4	0	+∞	Si
168	-464531	9	-565554	17.5	124.5	496.4	1837	-444346	2	-542619	16.7	93.4	0	+∞	Si
182	-535775	9	-565554	17.1	124.5	466.9	1837	-513677	2	-542619	16.4	93.4	0	+∞	Si
187	-565554	9	-565554	17	124.5	456.2	1837	-542619	2	-542619	16.3	93.4	0	+∞	Si
196	-613095	9	-603310	18.1	124.5	486.7	1837	-588794	2	-579306	17.4	93.4	0	+∞	Si
210	-696493	9	-627163	18.8	124.5	505.9	1837	-669696	2	-602482	18.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
14	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
28	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
42	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
56	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
63	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
77	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
91	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.008	1	9999	Si
105	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si
119	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.008	1	-0.008	1	9999	Si
126	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.008	1	-0.008	1	9999	Si
133	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.008	1	-0.008	1	9999	Si
147	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si
161	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
168	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
182	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
187	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
196	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-450	-8698	-14854	SLV 15	0.57	2474	1.666	-66470	-762155	-1864520	SLV 5	0.57	2474	1.666	Si
28	-613	-8698	-14854	SLV 15	0.57	2474	1.666	-66470	-762155	-1864520	SLV 5	0.57	2474	1.666	Si
42	-1026	-8698	-14854	SLV 15	0.57	2375	1.639	-123133	-742575	-1864588	SLV 9	0.57	2474	1.666	Si
56	-1439	-8698	-14854	SLV 15	0.55	2190	1.585	-152404	-750153	-1739448	SLV 9	0.57	2474	1.666	Si
63	-1646	-8698	-14854	SLV 15	0.54	2101	1.558	-169209	-754544	-1661330	SLV 9	0.57	2474	1.666	Si
77	-2059	-8698	-14753	SLV 15	0.52	1888	1.492	-207159	-764071	-1670056	SLV 9	0.57	2474	1.666	Si
91	-2472	-8698	-14702	SLV 15	0.5	1710	1.432	-250895	-779122	-1586535	SLV 13	0.57	2474	1.666	Si
105	-2886	-8698	-14606	SLV 15	0.48	1526	1.367	-300416	-862353	-1274524	SLV 13	0.41	958	1.129	Si
119	-3299	-8698	-14485	SLV 15	0.46	1348	1.299	-355724	-946424	-1527080	SLV 13	0.45	1218	1.246	Si
133	-3712	-8698	-14445	SLV 15	0.44	1208	1.242	-416818	-1031088	-1636523	SLV 13	0.43	1081	1.187	Si
147	-4126	-8698	-14512	SLV 15	0.43	1108	1.199	-483698	-1116188	-2157765	SLV 13	0.53	2032	1.537	Si
161	-4539	-8698	-14515	SLV 15	0.42	996	1.148	-542619	-1185920	-2386773	SLV 13	0.55	2239	1.6	Si
168	-4746	-8698	-14520	SLV 15	0.41	946	1.124	-542619	-1185920	-2486637	SLV 13	0.57	2474	1.666	Si
182	-5159	-8698	-14540	SLV 15	0.39	856	1.078	-542619	1185920	1476939	SLV 3	0.57	2474	1.666	Si
187	-5321	-8698	-14547	SLV 15	0.38	821	1.06	-542619	1185920	1476959	SLV 3	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-450	-3050	-14854	SLD 15	0.6	2474	4.193	-66470	-336904	-1864520	SLD 5	0.6	2474	4.193	Si
28	-613	-3050	-14854	SLD 15	0.6	2474	4.193	-66470	-336904	-1864520	SLD 5	0.6	2474	4.193	Si
42	-1026	-3050	-14854	SLD 15	0.6	2474	4.193	-123133	-328571	-1864588	SLD 9	0.6	2474	4.193	Si
56	-1439	-3050	-14854	SLD 15	0.58	2474	4.193	-152404	-331955	-1739448	SLD 9	0.6	2474	4.193	Si
63	-1646	-3050	-14854	SLD 15	0.57	2438	4.168	-169209	-333906	-1661330	SLD 9	0.59	2474	4.193	Si
77	-2059	-3050	-14753	SLD 15	0.55	2193	3.991	-207159	-338128	-1670056	SLD 9	0.57	2434	4.165	Si
91	-2472	-3050	-14702	SLD 15	0.53	1985	3.831	-250895	-344786	-1586535	SLD 13	0.51	1810	3.689	Si
105	-2886	-3050	-14606	SLD 15	0.51	1771	3.656	-300416	-381599	-1274524	SLD 13	0.34	620	2.377	Si
119	-3299	-3050	-14485	SLD 15	0.49	1563	3.473	-355724	-418772	-1527080	SLD 13	0.38	775	2.605	Si
133	-3712	-3050	-14445	SLD 15	0.47	1400	3.32	-416818	-456200	-1636523	SLD 13	0.36	694	2.49	Si
147	-4126	-3050	-14512	SLD 15	0.45	1284	3.204	-483698	-493817	-2157765	SLD 13	0.45	1269	3.189	Si
161	-4539	-3050	-14515	SLD 15	0.44	1154	3.067	-542619	-524637	-2386773	SLD 13	0.47	1397	3.317	Si
168	-4746	-3050	-14520	SLD 15	0.43	1092	2.998	-542619	-524637	-2486637	SLD 13	0.49	1607	3.513	Si
182	-5159	-3050	-14540	SLD 15	0.41	978	2.866	-542619	524637	1476939	SLD 3	0.51	1780	3.664	Si
187	-5321	-3050	-14547	SLD 15	0.41	938	2.817	-542619	524637	1476959	SLD 3	0.51	1780	3.664	Si

Campata 5 tra i fili 71B - 72, sezione R 40x70, asta 1111

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	11.4	5.4						-915164	SLU 36	-810246	-2703800	0.111	Si
20	22.81	6.7	11.4	5.4						-734778	SLU 36	-734017	-2703800	0.111	Si
23	22.81	6.7	11.4	5.4						-715356	SLU 36	-715356	-2703800	0.111	Si
40	21.13	6.8	11.4	5.4						-571099	SLU 36	-715356	-2505208	0.107	Si
50	19.91	6.9	11.4	5.4						-495525	SLU 36	-715356	-2363608	0.105	Si
61	18.49	6.9	11.4	5.4						-425507	SLU 30	-641517	-2198732	0.101	Si
71	17.06	6.9	11.4	5.4						-360776	SLU 30	-562255	-2033705	0.098	Si
91	13.04	7.1	11.4	5.4						-243164	SLU 30	-417932	-1564859	0.091	Si
111	10.45	6.5	11.4	5.4	-74168	SLU 6	16323	1438629	0.093	-141354	SLU 30	-293344	-1278877	0.085	Si
131	9.5	6.2	11.4	5.4	-10588	SLU 6	73287	1430658	0.091	-55291	SLU 30	-184558	-1173699	0.084	Si
151	7.6	5.4	11.4	5.4	50304	SLU 24	117283	1414576	0.086	5164	SLU 12	-91556	-963377	0.08	Si
171	7.6	5.4	11.4	5.4	100034	SLU 33	144892	1414576	0.086	48489	SLU 3	-18793	-963377	0.08	Si
192	7.6	5.4	11.4	5.4	134961	SLU 33	155989	1414576	0.086						Si
212	7.6	5.4	11.4	5.4	153313	SLU 33	156388	1414576	0.086						Si
222	7.6	5.4	12.5	5.4	156388	SLU 35	156388	1545181	0.089						Si
242	7.6	5.4	12.95	5.4	150775	SLU 35	156388	1597733	0.09						Si
262	7.6	5.4	9.68	5.4	130326	SLU 36	155082	1209296	0.082						Si
275	7.6	5.4	11.4	5.4	109078	SLU 36	147259	1414576	0.086						Si
282	7.6	5.4	11.4	5.4	94569	SLU 36	94569	1414576	0.086						Si
303	7.6	5.4	11.4	5.4	43694	SLU 32	43694	1414576	0.086						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	11.4	5.4	479132	SLV 11	479132	1476959	0.096	-1783055	SLV 5	-1638561	-2703800	0.111	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
20	22.81	6.7	11.4	5.4	483252	SLV 11	483063	1476959	0.096	-1529427	SLV 5	-1528154	-2703800	0.111	Si
23	22.81	6.7	11.4	5.4	482690	SLV 11	482690	1476959	0.096	-1501127	SLV 5	-1501127	-2703800	0.111	Si
40	21.13	6.8	11.4	5.4	475416	SLV 11	482690	1477085	0.098	-1287855	SLV 5	-1501127	-2505208	0.107	Si
61	18.49	6.9	11.4	5.4	455669	SLV 11	480193	1471223	0.098	-1058384	SLV 5	-1393174	-2198732	0.101	Si
71	17.06	6.9	11.4	5.4	441360	SLV 11	474434	1467435	0.098	-948217	SLV 5	-1274251	-2033705	0.098	Si
91	13.04	7.1	11.4	5.4	404062	SLV 11	453995	1459926	0.1	-737213	SLV 5	-1045492	-1564859	0.091	Si
111	10.45	6.5	11.4	5.4	356814	SLV 11	421784	1438629	0.093	-540269	SLV 5	-828974	-1278877	0.085	Si
131	9.5	6.2	11.4	5.4	326008	SLV 7	378481	1430658	0.091	-383700	SLV 9	-625375	-1173699	0.084	Si
151	7.6	5.4	11.4	5.4	311934	SLV 7	413534	1414576	0.086	-267686	SLV 9	-440226	-963377	0.08	Si
171	7.6	5.4	11.4	5.4	367177	SLV 3	511072	1414576	0.086	-244810	SLV 13	-318326	-963377	0.08	Si
192	7.6	5.4	11.4	5.4	469946	SLV 3	644760	1414576	0.086	-293283	SLV 13	-432058	-963377	0.08	Si
212	7.6	5.4	11.4	5.4	585240	SLV 1	773236	1414576	0.086	-378104	SLV 15	-564401	-963377	0.08	Si
222	7.6	5.4	12.5	5.4	652648	SLV 1	833297	1545181	0.089	-439209	SLV 15	-635329	-963465	0.08	Si
242	7.6	5.4	12.95	5.4	780561	SLV 1	944658	1597733	0.09	-572383	SLV 15	-786290	-963497	0.08	Si
262	7.6	5.4	9.68	5.4	897094	SLV 1	964847	1209296	0.082	-717999	SLV 15	-817253	-963207	0.079	Si
275	7.6	5.4	11.4	5.4	964847	SLV 1	964847	1414576	0.086	-817253	SLV 15	-817253	-963377	0.08	Si
282	7.6	5.4	11.4	5.4	1001876	SLV 1	997437	1414576	0.086	-875686	SLV 15	-867540	-963377	0.08	Si
303	7.6	5.4	11.4	5.4	1094825	SLV 1	1035354	1414576	0.086	-1045359	SLV 15	-926046	-963377	0.08	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	11.4	5.4						-1152354	SLD 5	-1046625	-2703800	0.111	Si
20	22.81	6.7	11.4	5.4						-968292	SLD 5	-967426	-2703800	0.111	Si
23	22.81	6.7	11.4	5.4	-70398	SLD 11	12855	1476959	0.096	-948039	SLD 5	-948039	-2703800	0.111	Si
40	21.13	6.8	11.4	5.4	-16181	SLD 11	51566	1477085	0.098	-796258	SLD 5	-948039	-2505208	0.107	Si
61	18.49	6.9	11.4	5.4	33557	SLD 11	84187	1471223	0.098	-636272	SLD 5	-870881	-2198732	0.101	Si
71	17.06	6.9	11.4	5.4	53953	SLD 11	96177	1467435	0.098	-560810	SLD 5	-786721	-2033705	0.098	Si
81	13.51	7.1	11.4	5.4	71384	SLD 11	105642	1463837	0.102	-488386	SLD 5	-705572	-1617413	0.092	Si
91	13.04	7.1	11.4	5.4	85883	SLD 11	114547	1459926	0.1	-419034	SLD 5	-627441	-1564859	0.091	Si
111	10.45	6.5	11.4	5.4	106715	SLD 11	139055	1438629	0.093	-290170	SLD 5	-480270	-1278877	0.085	Si
131	9.5	6.2	11.4	5.4	128187	SLD 7	157785	1430658	0.091	-185879	SLD 9	-345508	-1173699	0.084	Si
151	7.6	5.4	11.4	5.4	150367	SLD 7	224413	1414576	0.086	-106118	SLD 9	-225612	-963377	0.08	Si
171	7.6	5.4	11.4	5.4	196513	SLD 3	279711	1414576	0.086	-74146	SLD 13	-139778	-963377	0.08	Si
192	7.6	5.4	11.4	5.4	257060	SLD 3	344370	1414576	0.086	-80397	SLD 13	-131668	-963377	0.08	Si
212	7.6	5.4	11.4	5.4	316508	SLD 1	400080	1414576	0.086	-109372	SLD 15	-191245	-963377	0.08	Si
222	7.6	5.4	12.5	5.4	348062	SLD 1	423596	1545181	0.089	-134623	SLD 15	-225628	-963465	0.08	Si
242	7.6	5.4	12.95	5.4	403135	SLD 1	461770	1597733	0.09	-194956	SLD 15	-303402	-963497	0.08	Si
262	7.6	5.4	9.68	5.4	446530	SLD 1	467689	1209296	0.082	-267434	SLD 15	-320094	-963207	0.079	Si
275	7.6	5.4	11.4	5.4	467689	SLD 1	467689	1414576	0.086	-320094	SLD 15	-320094	-963377	0.08	Si
282	7.6	5.4	11.4	5.4	478084	SLD 1	477156	1414576	0.086	-351894	SLD 15	-347259	-963377	0.08	Si
303	7.6	5.4	11.4	5.4	497763	SLD 1	488171	1414576	0.086	-448297	SLD 15	-378864	-963377	0.08	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.49	0	9359	SLU 36	9359	11741	66952	0	11741	1	Si
20	0	13.51	0	8531	SLU 36	8531	10577	66952	0	10577	1	Si
23	0.129	13.04	0	8435	SLU 36	8435	10451	66952	14696	14696	1	Si
40	0.129	10.93	0	7702	SLU 36	7702	9846	66840	14671	14671	1	Si
61	0.129	9.98	0	6874	SLU 36	6874	9549	66792	14661	14661	1	Si
71	0.129	9.5	0	6459	SLU 36	6459	9394	66778	14658	14658	1	Si
91	0.129	7.6	0	5631	SLU 36	5631	8709	66598	14618	14618	1	Si
111	0.107	7.6	0	4802	SLU 36	4802	8748	67209	12239	12239	1	Si
131	0.107	7.6	0	3980	SLU 36	3980	8767	67516	12295	12295	1	Si
151	0.107	11.4	0	3158	SLU 36	3158	10097	68363	12449	12449	1	Si
171	0.107	11.15	0	2336	SLU 36	2336	10020	68363	12449	12449	1	Si
192	0.107	11.4	0	1547	SLU 30	1547	10097	68363	12449	12449	1	Si
212	0.086	11.4	0	770	SLU 30	770	10097	68363	10004	10097	1	Si
222	0.086	11.4	0	387	SLU 12	387	10097	68363	10004	10097	1	Si
242	0.086	11.4	0	-770	SLU 24	-770	-10097	-68363	-10004	-10097	1	Si
262	0.086	11.4	0	-1559	SLU 24	-1559	-10097	-68363	-10004	-10097	1	Si
275	0.086	11.4	0	-2079	SLU 33	-2079	-10097	-68363	-10004	-10097	1	Si
282	0	11.4	0	-2377	SLU 33	-2377	-10097	-68363	0	-10097	1	Si
303	0	11.4	0	-3192	SLU 33	-3192	-10097	-68363	0	-10097	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.49	0	13208	SLV 1	14903	11741	66952	0	11741	1	Si
0	0	11.4	0	168	SLV 15	-1527	-10097	-68363	0	-10097	1	Si
20	0	13.51	0	12613	SLV 1	14308	10577	66952	0	10577	1	Si
20	0	11.4	0	-427	SLV 15	-2122	-10097	-68363	0	-10097	1	Si
23	0.129	13.04	0	12544	SLV 1	14239	10451	66952	14696	14696	1	Si
23	0.129	11.4	0	-496	SLV 15	-2191	-10097	-68363	-15005	-15005	1	Si
40	0.129	10.93	0	12017	SLV 1	13713	9846	66840	14671	14671	1	Si
40	0.129	11.4	0	-1023	SLV 15	-2718	-10097	-68363	-15005	-15005	1	Si
61	0.129	9.98	0	11422	SLV 1	13117	9549	66792	14661	14661	1	Si
61	0.129	11.4	0	-1618	SLV 15	-3313	-10097	-68363	-15005	-15005	1	Si
71	0.129	9.5	0	11124	SLV 1	12820	9394	66778	14658	14658	1	Si
71	0.129	11.4	0	-1916	SLV 15	-3611	-10097	-68363	-15005	-15005	1	Si
91	0.129	7.6	0	10529	SLV 1	12224	8709	66598	14618	14618	1	Si
91	0.129	11.4	0	-2511	SLV 15	-4206	-10097	-68363	-15005	-15005	1	Si
111	0.107	7.6	0	9934	SLV 1	11629	8748	67209	12239	12239	1	Si
111	0.107	11.4	0	-3106	SLV 15	-4801	-10097	-68363	-12449	-12449	1	Si
131	0.107	7.6	0	9343	SLV 1	11038	8767	67516	12295	12295	1	Si
131	0.107	11.4	0	-3697	SLV 15	-5392	-10097	-68363	-12449	-12449	1	Si
151	0.107	11.4	0	8752	SLV 1	10447	10097	68363	12449	12449	1	Si
151	0.107	7.6	0	-4288	SLV 15	-5983	-8821	-68363	-12449	-12449	1	Si
171	0.107	11.15	0	8162	SLV 1	9857	10020	68363	12449	12449	1	Si
171	0.107	7.6	0	-4879	SLV 15	-6574	-8821	-68363	-12449	-12449	1	Si
192	0.107	11.4	0	7571	SLV 1	9266	10097	68363	12449	12449	1	Si
192	0.107	7.6	0	-5469	SLV 15	-7164	-8821	-68363	-12449	-12449	1	Si
212	0.086	11.4	0	6980	SLV 1	8675	10097	68363	10004	10097	1	Si
212	0.086	7.6	0	-6060	SLV 15	-7755	-8821	-68363	-10004	-10004	1	Si
222	0.086	11.4	0	6685	SLV 1	8380	10097	68363	10004	10097	1	Si
222	0.086	7.6	0	-6355	SLV 15	-8050	-8821	-68363	-10004	-10004	1	Si
242	0.086	11.4	0	6094	SLV 1	7789	10097	68363	10004	10097	1	Si
242	0.086	7.6	0	-6946	SLV 15	-8641	-8821	-68363	-10004	-10004	1	Si
262	0.086	11.4	0	5504	SLV 1	7199	10097	68363	10004	10097	1	Si
262	0.086	7.6	0	-7536	SLV 15	-9232	-8821	-68363	-10004	-10004	1	Si
275	0.086	11.4	0	5128	SLV 1	6823	10097	68363	10004	10097	1	Si
275	0.086	7.6	0	-7912	SLV 15	-9607	-8821	-68363	-10004	-10004	1	Si
282	0	11.4	0	4913	SLV 1	6608	10097	68363	0	10097	1	Si
282	0	7.6	0	-8127	SLV 15	-9822	-8821	-68363	0	-8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
303	0	11.4	0	4328	SLV 1	6023	10097	68363	0	10097	1	Si
303	0	7.6	0	-8712	SLV 15	-10408	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.49	0	9570	SLD 1	9570	11741	66952	0	11741	1	Si
20	0	13.51	0	8975	SLD 1	8975	10577	66952	0	10577	1	Si
23	0.129	13.04	0	8906	SLD 1	8906	10451	66952	14696	14696	1	Si
40	0.129	10.93	0	8379	SLD 1	8379	9846	66840	14671	14671	1	Si
61	0.129	9.98	0	7784	SLD 1	7784	9549	66792	14661	14661	1	Si
71	0.129	9.5	0	7486	SLD 1	7486	9394	66778	14658	14658	1	Si
91	0.129	7.6	0	6891	SLD 1	6891	8709	66598	14618	14618	1	Si
111	0.107	7.6	0	6296	SLD 1	6296	8748	67209	12239	12239	1	Si
131	0.107	7.6	0	5705	SLD 1	5705	8767	67516	12295	12295	1	Si
131	0.107	7.6	0	-59	SLD 15	-59	-8767	-67516	-12295	-12295	1	Si
151	0.107	11.4	0	5114	SLD 1	5114	10097	68363	12449	12449	1	Si
151	0.107	7.6	0	-650	SLD 15	-650	-8821	-68363	-12449	-12449	1	Si
171	0.107	11.15	0	4523	SLD 1	4523	10020	68363	12449	12449	1	Si
171	0.107	7.6	0	-1240	SLD 15	-1240	-8821	-68363	-12449	-12449	1	Si
192	0.107	11.4	0	3933	SLD 1	3933	10097	68363	12449	12449	1	Si
192	0.107	7.6	0	-1831	SLD 15	-1831	-8821	-68363	-12449	-12449	1	Si
212	0.086	11.4	0	3342	SLD 1	3342	10097	68363	10004	10097	1	Si
212	0.086	7.6	0	-2422	SLD 15	-2422	-8821	-68363	-10004	-10004	1	Si
222	0.086	11.4	0	3047	SLD 1	3047	10097	68363	10004	10097	1	Si
222	0.086	7.6	0	-2717	SLD 15	-2717	-8821	-68363	-10004	-10004	1	Si
242	0.086	11.4	0	2456	SLD 1	2456	10097	68363	10004	10097	1	Si
242	0.086	7.6	0	-3308	SLD 15	-3308	-8821	-68363	-10004	-10004	1	Si
262	0.086	11.4	0	1866	SLD 1	1866	10097	68363	10004	10097	1	Si
262	0.086	7.6	0	-3898	SLD 15	-3898	-8821	-68363	-10004	-10004	1	Si
275	0.086	11.4	0	1490	SLD 1	1490	10097	68363	10004	10097	1	Si
275	0.086	7.6	0	-4274	SLD 15	-4274	-8821	-68363	-10004	-10004	1	Si
282	0	11.4	0	1275	SLD 1	1275	10097	68363	0	10097	1	Si
282	0	7.6	0	-4489	SLD 15	-4489	-8821	-68363	0	-8821	1	Si
303	0	11.4	0	689	SLD 1	689	10097	68363	0	10097	1	Si
303	0	7.6	0	-5074	SLD 15	-5074	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-684883	9	-606003	18.2	124.5	488.9	1837	-651961	2	-576987	17.3	93.4	0	+∞	Si
20	-549286	9	-548715	16.5	124.5	442.6	1837	-523088	2	-522545	15.7	93.4	0	+∞	Si
23	-534692	9	-534692	16	124.5	431.3	1837	-509218	2	-509218	15.3	93.4	0	+∞	Si
40	-426300	9	-534692	16.5	124.5	465.8	1837	-406220	2	-509218	15.7	93.4	0	+∞	Si
61	-316844	3	-479205	15.4	124.5	474.8	1837	-301357	2	-456490	14.7	93.4	0	+∞	Si
71	-268044	3	-419657	13.8	124.5	449	1837	-253429	2	-399908	13.2	93.4	0	+∞	Si
91	-179448	3	-311133	11.3	124.5	433.2	1837	-166575	2	-295749	10.7	93.4	0	+∞	Si
111	-102859	3	-217237	8.4	124.5	366	1837	-91728	2	-203595	7.9	93.4	0	+∞	Si
131	-38235	3	-135347	5.4	124.5	247.4	1837	-28846	2	-123447	4.9	93.4	0	+∞	Si
151	36769	6	88357	3.4	124.5	132	1837	30572	1	80457	3.1	93.4	0	+∞	Si
171	75431	6	108986	4.2	124.5	162.8	1837	67914	1	100629	3.9	93.4	0	+∞	Si
192	101583	6	117146	4.5	124.5	175	1837	93346	1	108891	4.2	93.4	0	+∞	Si
212	115224	6	117430	4.5	124.5	175.4	1837	106866	1	109159	4.2	93.4	0	+∞	Si
222	117430	8	117430	4.4	124.5	160.6	1837	109159	1	109159	4.1	93.4	0	+∞	Si
242	112904	8	117430	4.3	124.5	155.3	1837	104813	1	109159	4	93.4	0	+∞	Si
262	97027	9	116283	4.8	124.5	203.6	1837	89548	2	108046	4.4	93.4	0	+∞	Si
275	80638	9	110194	4.3	124.5	164.6	1837	73797	2	102225	3.9	93.4	0	+∞	Si
282	69485	9	69485	2.7	124.5	103.8	1837	63095	2	63095	2.4	93.4	0	+∞	Si
303	30403	5	30403	1.2	124.5	45.4	1837	24733	2	24733	1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
23	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
40	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
61	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
71	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
91	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.005	1	-0.005	1	9999	Si
111	-0.001	-0.002	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.004	1	-0.004	1	9999	Si
131	0	-0.001	-0.001	-0.002	0	-0.001	-0.001	-0.001	0	-0.001	-0.003	1	-0.003	1	9999	Si
151	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.002	1	-0.002	1	9999	Si
171	0.001	0	0	-0.001	0.001	0	0	-0.001	0.001	0	-0.001	1	-0.001	1	9999	Si
192	0.001	0	0	0	0.001	0.001	0	0	0.001	0.001	0	1	0	1	9999	Si
212	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0	1	9999	Si
222	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
242	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
262	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
275	0.001	0	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
282	0	0	0	0	0	0	0	0	0	0	0.001	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	6024	8215	14696	SLV 1	0.38	812	1.055	-509218	991909	1476959	SLV 11	0.57	2474	1.666	Si
40	5497	8215	14671	SLV 1	0.4	931	1.116	-509218	991909	1477085	SLV 11	0.57	2474	1.666	Si
61	4902	8215	14661	SLV 1	0.43	1093	1.192	-456490	-936683	-2198732	SLV 5	0.57	2474	1.666	Si
71	4604	8215	14658	SLV 1	0.44	1182	1.231	-399908	-874343	-2033705	SLV 5	0.57	2474	1.666	Si
91	4009	8215	14618	SLV 1	0.46	1363	1.305	-295749	-749743	-1564859	SLV 5	0.57	2474	1.666	Si
111	3414	8215	12239	SLV 1	0.39	847	1.074	-203595	-625379	-1278877	SLV 5	0.57	2474	1.666	Si
131	2823	8215	12295	SLV 1	0.42	1010	1.154	-123447	-501928	-1173699	SLV 5	0.57	2474	1.666	Si
151	2232	8215	12449	SLV 1	0.45	1234	1.253	-55293	-384934	-963377	SLV 5	0.57	2474	1.666	Si
171	1641	8215	12449	SLV 1	0.47	1432	1.332	96373	-414699	-963377	SLV 15	0.57	2474	1.666	Si
192	1051	8215	12449	SLV 1	0.5	1650	1.411	106351	-538409	-963377	SLV 15	0.57	2474	1.666	Si
212	460	8215	10097	SLV 1	0.42	1057	1.176	104417	-668819	-963377	SLV 15	0.57	2402	1.646	Si
222	165	8215	10097	SLV 1	0.44	1145	1.215	98984	-734313	-963465	SLV 15	0.52	1845	1.478	Si
242	-426	-8215	-10004	SLV 15	0.42	1040	1.168	79184	-865474	-963497	SLV 15	0.43	1134	1.21	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
262	-1016	-8215	-10004	SLV 15	0.4	886	1.094	73797	-891050	-963207	SLV 15	0.42	1035	1.166	Si
275	-1392	-8215	-10004	SLV 15	0.38	798	1.048	73797	-891050	-963377	SLV 15	0.42	1035	1.166	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	6024	2882	14696	SLD 1	0.4	926	2.802	-509218	438821	1476959	SLD 11	0.59	2474	4.193	Si
40	5497	2882	14671	SLD 1	0.43	1073	2.977	-509218	438821	1477085	SLD 11	0.59	2474	4.193	Si
61	4902	2882	14661	SLD 1	0.45	1265	3.185	-456490	-414390	-2198732	SLD 5	0.55	2254	4.036	Si
71	4604	2882	14658	SLD 1	0.47	1369	3.29	-399908	-386812	-2033705	SLD 5	0.56	2282	4.056	Si
91	4009	2882	14618	SLD 1	0.49	1579	3.488	-295749	-331692	-1564859	SLD 5	0.51	1751	3.639	Si
111	3414	2882	12239	SLD 1	0.41	967	2.853	-203595	-276676	-1278877	SLD 5	0.52	1827	3.703	Si
131	2823	2882	12295	SLD 1	0.44	1169	3.083	-123447	-222062	-1173699	SLD 5	0.6	2474	4.193	Si
151	2232	2882	12449	SLD 1	0.47	1429	3.348	-55293	-170319	-963377	SLD 5	0.6	2474	4.193	Si
171	1641	2882	12449	SLD 1	0.5	1660	3.56	96373	-183338	-963377	SLD 15	0.6	2474	4.193	Si
192	1051	2882	12449	SLD 1	0.52	1913	3.773	106351	-238019	-963377	SLD 15	0.59	2474	4.193	Si
212	460	2882	10097	SLD 1	0.45	1224	3.142	104417	-295662	-963377	SLD 15	0.48	1501	3.416	Si
222	165	2882	10097	SLD 1	0.46	1325	3.246	98984	-324612	-963465	SLD 15	0.44	1157	3.07	Si
242	-426	-2882	-10004	SLD 15	0.44	1204	3.121	79184	-382586	-963497	SLD 15	0.37	728	2.539	Si
262	-1016	-2882	-10004	SLD 15	0.42	1015	2.91	73797	-393891	-963207	SLD 15	0.36	669	2.453	Si
275	-1392	-2882	-10004	SLD 15	0.4	910	2.782	73797	-393891	-963377	SLD 15	0.36	669	2.453	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 70-73

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 70 - 73, sezione R 40x70, asta 1162

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-488311	SLU 20	-432908	-962923	0.078	Si
20	7.6	5.4	7.6	5.4						-381787	SLU 20	-381787	-962923	0.078	Si
30	7.6	5.4	7.6	5.4						-330704	SLU 20	-381787	-962923	0.078	Si
60	7.6	5.4	7.6	5.4	-89959	SLU 17	11839	962923	0.078	-185367	SLU 20	-325900	-962923	0.078	Si
90	7.6	5.4	7.6	5.4	15182	SLU 17	118187	962923	0.078	-50356	SLU 20	-180895	-962923	0.078	Si
120	7.6	5.4	7.6	5.4	122209	SLU 36	233255	962923	0.078	62439	SLU 1	-46233	-962923	0.078	Si
135	7.6	5.4	7.6	5.4	181084	SLU 36	286092	962923	0.078						Si
165	7.6	5.4	7.6	5.4	289512	SLU 36	381944	962923	0.078						Si
195	7.6	5.4	7.6	5.4	384936	SLU 36	464129	962923	0.078						Si
225	7.6	5.4	7.6	5.4	466670	SLU 36	531958	962923	0.078						Si
255	7.6	5.4	7.6	5.4	534026	SLU 36	584744	962923	0.078						Si
285	7.6	5.4	7.6	5.4	586318	SLU 36	621801	962923	0.078						Si
315	7.6	5.4	7.6	5.4	622857	SLU 36	642470	962923	0.078						Si
346	7.6	5.4	7.6	5.4	642988	SLU 36	648171	962923	0.078						Si
361	7.6	5.4	7.6	5.4	646705	SLU 36	648288	962923	0.078						Si
391	7.6	5.4	7.6	5.4	645848	SLU 30	648288	962923	0.078						Si
421	7.6	5.4	7.6	5.4	627904	SLU 30	645409	962923	0.078						Si
431	7.6	5.4	7.6	5.4	617426	SLU 30	640888	962923	0.078						Si
451	7.6	5.4	7.6	5.4	592051	SLU 30	592051	962923	0.078						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	421340	SLV 13	421340	962923	0.078	-1141774	SLV 3	-1066107	-962923	0.078	No
20	7.6	5.4	7.6	5.4	436727	SLV 13	450586	962923	0.078	-993807	SLV 3	-993807	-962923	0.078	No
30	7.6	5.4	7.6	5.4	442540	SLV 13	453795	962923	0.078	-921400	SLV 3	-993807	-962923	0.078	No
60	7.6	5.4	7.6	5.4	454106	SLV 13	457549	962923	0.078	-710686	SLV 3	-914490	-962923	0.078	Si
90	7.6	5.4	7.6	5.4	457595	SLV 13	457595	962923	0.078	-508094	SLV 3	-704036	-962923	0.078	Si
120	7.6	5.4	7.6	5.4	452587	SLV 13	457503	962923	0.078	-314084	SLV 3	-501719	-962923	0.078	Si
135	7.6	5.4	7.6	5.4	446813	SLV 13	455944	962923	0.078	-220405	SLV 3	-403756	-962923	0.078	Si
165	7.6	5.4	7.6	5.4	428569	SLV 13	446293	962923	0.078	-40004	SLV 3	-214467	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	401430	SLV 13	427757	962923	0.078	130269	SLV 3	-34382	-962923	0.078	Si
225	7.6	5.4	7.6	5.4	373744	SLV 15	455728	962923	0.078						Si
255	7.6	5.4	7.6	5.4	459563	SLV 7	580268	962923	0.078						Si
285	7.6	5.4	7.6	5.4	584690	SLV 3	708483	962923	0.078						Si
315	7.6	5.4	7.6	5.4	712545	SLV 3	824956	962923	0.078						Si
346	7.6	5.4	7.6	5.4	828630	SLV 3	929101	962923	0.078						Si
361	7.6	5.4	7.6	5.4	882074	SLV 3	976395	962923	0.078	52835	SLV 13	-45466	-962923	0.078	No
391	7.6	5.4	7.6	5.4	979455	SLV 3	1061094	962923	0.078	-48876	SLV 13	-159907	-962923	0.078	No
421	7.6	5.4	7.6	5.4	1063723	SLV 3	1088502	962923	0.078	-163749	SLV 13	-205562	-962923	0.078	No
431	7.6	5.4	7.6	5.4	1088502	SLV 3	1088502	962923	0.078	-205562	SLV 13	-205562	-962923	0.078	No
451	7.6	5.4	7.6	5.4	1134402	SLV 3	1112794	962923	0.078	-292240	SLV 13	-247585	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-705980	SLD 3	-648788	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
20	7.6	5.4	7.6	5.4	37896	SLD 13	105476	962923	0.078	-594976	SLD 3	-594976	-962923	0.078	Si
30	7.6	5.4	7.6	5.4	62275	SLD 13	127248	962923	0.078	-541135	SLD 3	-594976	-962923	0.078	Si
60	7.6	5.4	7.6	5.4	129363	SLD 13	186512	962923	0.078	-385943	SLD 3	-536029	-962923	0.078	Si
90	7.6	5.4	7.6	5.4	188361	SLD 13	237269	962923	0.078	-238860	SLD 3	-381096	-962923	0.078	Si
120	7.6	5.4	7.6	5.4	238838	SLD 13	279223	962923	0.078	-100335	SLD 3	-234288	-962923	0.078	Si
135	7.6	5.4	7.6	5.4	260791	SLD 13	296796	962923	0.078	-34384	SLD 3	-164071	-962923	0.078	Si
165	7.6	5.4	7.6	5.4	297928	SLD 13	324991	962923	0.078	90638	SLD 3	-30246	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	325822	SLD 13	346778	962923	0.078						Si
225	7.6	5.4	7.6	5.4	347902	SLD 15	411779	962923	0.078						Si
255	7.6	5.4	7.6	5.4	414353	SLD 7	489413	962923	0.078						Si
285	7.6	5.4	7.6	5.4	492044	SLD 3	562289	962923	0.078						Si
315	7.6	5.4	7.6	5.4	564550	SLD 3	623309	962923	0.078						Si
346	7.6	5.4	7.6	5.4	625180	SLD 3	671960	962923	0.078						Si
361	7.6	5.4	7.6	5.4	650881	SLD 3	691499	962923	0.078						Si
391	7.6	5.4	7.6	5.4	692756	SLD 3	720678	962923	0.078						Si
421	7.6	5.4	7.6	5.4	721503	SLD 3	727717	962923	0.078						Si
431	7.6	5.4	7.6	5.4	727717	SLD 3	727717	962923	0.078						Si
451	7.6	5.4	7.6	5.4	736655	SLD 3	733521	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5796	SLU 36	5796	8821	68363	0	8821	1	Si
20	0.061	7.6	0	5274	SLU 36	5274	8821	68363	7104	8821	1	Si
30	0.061	7.6	0	5158	SLU 36	5158	8821	68363	7104	8821	1	Si
60	0.061	7.6	0	4798	SLU 36	4798	8821	68363	7104	8821	1	Si
90	0.061	7.6	0	4418	SLU 36	4418	8821	68363	7104	8821	1	Si
120	0.061	7.6	0	4032	SLU 30	4032	8821	68363	7104	8821	1	Si
135	0.061	7.6	0	3836	SLU 30	3836	8821	68363	7104	8821	1	Si
165	0.061	7.6	0	3428	SLU 30	3428	8821	68363	7104	8821	1	Si
195	0.061	7.6	0	2999	SLU 30	2999	8821	68363	7104	8821	1	Si
225	0.061	7.6	0	2549	SLU 30	2549	8821	68363	7104	8821	1	Si
255	0.061	7.6	0	2080	SLU 29	2080	8821	68363	7104	8821	1	Si
285	0.061	7.6	0	1589	SLU 29	1589	8821	68363	7104	8821	1	Si
315	0.061	7.6	0	1089	SLU 20	1089	8821	68363	7104	8821	1	Si
346	0.061	7.6	0	574	SLU 20	574	8821	68363	7104	8821	1	Si
361	0.061	7.6	0	309	SLU 20	309	8821	68363	7104	8821	1	Si
361	0.061	7.6	0	-74	SLU 17	-74	-8821	-68363	-7104	-8821	1	Si
391	0.061	7.6	0	-628	SLU 35	-628	-8821	-68363	-7104	-8821	1	Si
421	0.061	7.6	0	-1241	SLU 35	-1241	-8821	-68363	-7104	-8821	1	Si
431	0.061	7.6	0	-1451	SLU 35	-1451	-8821	-68363	-7104	-8821	1	Si
451	0	7.6	0	-1866	SLU 35	-1866	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	7606	SLV 3	8468	8821	68363	0	8821	1	Si
20	0.061	7.6	0	7230	SLV 3	8092	8821	68363	7104	8821	1	Si
20	0.061	7.6	0	599	SLV 13	-264	-8821	-68363	-7104	-8821	1	Si
30	0.061	7.6	0	7145	SLV 3	8007	8821	68363	7104	8821	1	Si
30	0.061	7.6	0	514	SLV 13	-348	-8821	-68363	-7104	-8821	1	Si
60	0.061	7.6	0	6882	SLV 3	7744	8821	68363	7104	8821	1	Si
60	0.061	7.6	0	251	SLV 13	-611	-8821	-68363	-7104	-8821	1	Si
90	0.061	7.6	0	6605	SLV 3	7468	8821	68363	7104	8821	1	Si
90	0.061	7.6	0	-26	SLV 13	-888	-8821	-68363	-7104	-8821	1	Si
120	0.061	7.6	0	6315	SLV 3	7177	8821	68363	7104	8821	1	Si
120	0.061	7.6	0	-316	SLV 13	-1178	-8821	-68363	-7104	-8821	1	Si
135	0.061	7.6	0	6167	SLV 3	7029	8821	68363	7104	8821	1	Si
135	0.061	7.6	0	-464	SLV 13	-1327	-8821	-68363	-7104	-8821	1	Si
165	0.061	7.6	0	5859	SLV 3	6721	8821	68363	7104	8821	1	Si
165	0.061	7.6	0	-773	SLV 13	-1635	-8821	-68363	-7104	-8821	1	Si
195	0.061	7.6	0	5534	SLV 3	6396	8821	68363	7104	8821	1	Si
195	0.061	7.6	0	-1098	SLV 13	-1960	-8821	-68363	-7104	-8821	1	Si
225	0.061	7.6	0	5193	SLV 3	6055	8821	68363	7104	8821	1	Si
225	0.061	7.6	0	-1439	SLV 13	-2301	-8821	-68363	-7104	-8821	1	Si
255	0.061	7.6	0	4835	SLV 3	5697	8821	68363	7104	8821	1	Si
255	0.061	7.6	0	-1796	SLV 13	-2658	-8821	-68363	-7104	-8821	1	Si
285	0.061	7.6	0	4461	SLV 3	5323	8821	68363	7104	8821	1	Si
285	0.061	7.6	0	-2170	SLV 13	-3032	-8821	-68363	-7104	-8821	1	Si
315	0.061	7.6	0	4071	SLV 3	4933	8821	68363	7104	8821	1	Si
315	0.061	7.6	0	-2561	SLV 13	-3423	-8821	-68363	-7104	-8821	1	Si
346	0.061	7.6	0	3665	SLV 3	4527	8821	68363	7104	8821	1	Si
346	0.061	7.6	0	-2966	SLV 13	-3828	-8821	-68363	-7104	-8821	1	Si
361	0.061	7.6	0	3457	SLV 3	4319	8821	68363	7104	8821	1	Si
361	0.061	7.6	0	-3175	SLV 13	-4037	-8821	-68363	-7104	-8821	1	Si
391	0.061	7.6	0	3028	SLV 3	3890	8821	68363	7104	8821	1	Si
391	0.061	7.6	0	-3603	SLV 13	-4465	-8821	-68363	-7104	-8821	1	Si
421	0.061	7.6	0	2582	SLV 3	3444	8821	68363	7104	8821	1	Si
421	0.061	7.6	0	-4050	SLV 13	-4912	-8821	-68363	-7104	-8821	1	Si
431	0.061	7.6	0	2429	SLV 3	3291	8821	68363	7104	8821	1	Si
431	0.061	7.6	0	-4202	SLV 13	-5064	-8821	-68363	-7104	-8821	1	Si
451	0	7.6	0	2126	SLV 3	2988	8821	68363	0	8821	1	Si
451	0	7.6	0	-4505	SLV 13	-5367	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5757	SLD 3	5757	8821	68363	0	8821	1	Si
20	0.061	7.6	0	5381	SLD 3	5381	8821	68363	7104	8821	1	Si
30	0.061	7.6	0	5296	SLD 3	5296	8821	68363	7104	8821	1	Si
60	0.061	7.6	0	5033	SLD 3	5033	8821	68363	7104	8821	1	Si
90	0.061	7.6	0	4757	SLD 3	4757	8821	68363	7104	8821	1	Si
120	0.061	7.6	0	4466	SLD 3	4466	8821	68363	7104	8821	1	Si
135	0.061	7.6	0	4318	SLD 3	4318	8821	68363	7104	8821	1	Si
165	0.061	7.6	0	4010	SLD 3	4010	8821	68363	7104	8821	1	Si
195	0.061	7.6	0	3685	SLD 3	3685	8821	68363	7104	8821	1	Si
225	0.061	7.6	0	3344	SLD 3	3344	8821	68363	7104	8821	1	Si
255	0.061	7.6	0	2986	SLD 3	2986	8821	68363	7104	8821	1	Si
285	0.061	7.6	0	2612	SLD 3	2612	8821	68363	7104	8821	1	Si
285	0.061	7.6	0	-322	SLD 13	-322	-8821	-68363	-7104	-8821	1	Si
315	0.061	7.6	0	2222	SLD 3	2222	8821	68363	7104	8821	1	Si
315	0.061	7.6	0	-712	SLD 13	-712	-8821	-68363	-7104	-8821	1	Si
346	0.061	7.6	0	1816	SLD 3	1816	8821	68363	7104	8821	1	Si
346	0.061	7.6	0	-1118	SLD 13	-1118	-8821	-68363	-7104	-8821	1	Si
361	0.061	7.6	0	1608	SLD 3	1608	8821	68363	7104	8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
361	0.061	7.6	0	-1326	SLD 13	-1326	-8821	-68363	-7104	-8821	1	Si
391	0.061	7.6	0	1179	SLD 3	1179	8821	68363	7104	8821	1	Si
391	0.061	7.6	0	-1754	SLD 13	-1754	-8821	-68363	-7104	-8821	1	Si
421	0.061	7.6	0	733	SLD 3	733	8821	68363	7104	8821	1	Si
421	0.061	7.6	0	-2201	SLD 13	-2201	-8821	-68363	-7104	-8821	1	Si
431	0.061	7.6	0	580	SLD 3	580	8821	68363	7104	8821	1	Si
431	0.061	7.6	0	-2353	SLD 13	-2353	-8821	-68363	-7104	-8821	1	Si
451	0	7.6	0	277	SLD 3	277	8821	68363	0	8821	1	Si
451	0	7.6	0	-2657	SLD 13	-2657	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-366685	2	-323601	8.4	124.5	126.5	1837	-360217	2	-317683	14.2	93.4	0	+∞	Si
20	-283909	2	-283909	7.4	124.5	111	1837	-278540	2	-278540	12.5	93.4	0	+∞	Si
30	-244246	2	-283909	7.4	124.5	111	1837	-239430	2	-278540	12.5	93.4	0	+∞	Si
60	-131453	2	-240517	6.3	124.5	94	1837	-128290	2	-235755	10.6	93.4	0	+∞	Si
90	-26761	2	-127984	3.3	124.5	50	1837	-25250	2	-124874	5.6	93.4	0	+∞	Si
120	86277	9	170667	4.4	124.5	66.7	1837	69251	2	152192	6.8	93.4	0	+∞	Si
135	131019	9	210824	5.5	124.5	82.4	1837	113204	2	191724	8.6	93.4	0	+∞	Si
165	213423	9	283680	7.4	124.5	110.9	1837	194283	2	263604	11.8	93.4	0	+∞	Si
195	285955	9	346164	9	124.5	135.3	1837	265850	2	325495	14.6	93.4	0	+∞	Si
225	348096	9	397756	10.4	124.5	155.5	1837	327412	2	376904	16.9	93.4	0	+∞	Si
255	399330	9	437939	11.4	124.5	171.2	1837	378476	2	417338	18.7	93.4	0	+∞	Si
285	439138	9	466196	12.1	124.5	182.2	1837	418548	2	446304	20	93.4	0	+∞	Si
315	467002	9	482028	12.6	124.5	188.4	1837	447137	2	463326	20.8	93.4	0	+∞	Si
346	482426	9	486325	12.7	124.5	190.1	1837	463767	2	467947	21	93.4	0	+∞	Si
361	485324	9	486404	12.7	124.5	190.1	1837	467455	2	467981	21	93.4	0	+∞	Si
391	484399	3	486404	12.7	124.5	190.1	1837	465290	2	467981	21	93.4	0	+∞	Si
421	470437	3	484055	12.6	124.5	189.2	1837	449987	2	464902	20.9	93.4	0	+∞	Si
431	462358	3	480513	12.5	124.5	187.8	1837	441470	2	460908	20.7	93.4	0	+∞	Si
451	442833	3	442833	11.5	124.5	173.1	1837	421081	2	421081	18.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
30	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.006	2	0.006	2	9999	Si
60	0.006	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.013	2	9999	Si
90	0.01	0.009	0.009	0.008	0.009	0.009	0.008	0.008	0.009	0.009	0.021	2	0.02	2	9999	Si
120	0.014	0.012	0.012	0.011	0.013	0.012	0.011	0.011	0.013	0.012	0.029	2	0.028	2	9999	Si
135	0.016	0.014	0.014	0.012	0.015	0.014	0.013	0.012	0.015	0.014	0.033	2	0.032	2	9999	Si
165	0.019	0.017	0.017	0.015	0.018	0.017	0.016	0.015	0.018	0.017	0.041	2	0.04	2	9999	Si
195	0.022	0.02	0.019	0.017	0.02	0.02	0.018	0.017	0.02	0.02	0.047	2	0.045	2	9616	Si
225	0.024	0.021	0.021	0.019	0.022	0.021	0.02	0.019	0.022	0.021	0.051	2	0.05	2	8793	Si
255	0.025	0.022	0.022	0.02	0.023	0.022	0.021	0.02	0.023	0.022	0.054	2	0.052	2	8423	Si
270	0.025	0.022	0.022	0.02	0.023	0.022	0.021	0.02	0.023	0.022	0.054	2	0.052	2	8389	Si
285	0.024	0.022	0.022	0.02	0.023	0.022	0.021	0.02	0.023	0.022	0.053	2	0.051	2	8458	Si
315	0.023	0.021	0.02	0.019	0.022	0.021	0.019	0.019	0.022	0.021	0.05	2	0.049	2	8955	Si
346	0.02	0.018	0.018	0.016	0.019	0.018	0.017	0.016	0.019	0.018	0.044	2	0.043	2	9999	Si
361	0.018	0.017	0.016	0.015	0.017	0.017	0.016	0.015	0.017	0.017	0.04	2	0.039	2	9999	Si
391	0.013	0.012	0.012	0.011	0.013	0.012	0.012	0.011	0.013	0.012	0.03	2	0.029	2	9999	Si
421	0.007	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.016	2	9999	Si
431	0.005	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.011	2	0.011	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	3914	4178	8821	SLV 3	0.42	1060	1.177	-278540	-715267	-962923	SLV 3	0.35	639	0.957	No
30	3829	4178	8821	SLV 3	0.43	1109	1.199	-278540	-715267	-962923	SLV 3	0.35	639	0.957	No
60	3567	4178	8821	SLV 3	0.45	1271	1.268	-235755	-678735	-962923	SLV 3	0.39	842	1.071	Si
90	3290	4178	8821	SLV 3	0.48	1456	1.341	-124874	-579161	-962923	SLV 3	0.52	1847	1.478	Si
120	2999	4178	8821	SLV 3	0.5	1669	1.418	-22108	-479611	-962923	SLV 3	0.57	2474	1.666	Si
135	2851	4178	8821	SLV 3	0.51	1785	1.458	26094	429850	962923	SLV 13	0.57	2474	1.666	Si
165	2543	4178	8821	SLV 3	0.54	2043	1.541	115913	330380	962923	SLV 13	0.57	2474	1.666	Si
195	2218	4178	8821	SLV 3	0.56	2338	1.628	196687	231069	962923	SLV 13	0.57	2474	1.666	Si
225	1877	4178	8821	SLV 3	0.57	2474	1.666	267933	132465	962923	SLV 13	0.57	2474	1.666	Si
255	1519	4178	8821	SLV 3	0.57	2474	1.666	417338	162930	962923	SLV 3	0.57	2474	1.666	Si
285	1145	4178	8821	SLV 3	0.57	2474	1.666	446304	262180	962923	SLV 3	0.57	2474	1.666	Si
315	755	4178	8821	SLV 3	0.57	2474	1.666	463326	361631	962923	SLV 3	0.49	1631	1.405	Si
346	349	4178	8821	SLV 3	0.57	2474	1.666	467947	461155	962923	SLV 3	0.39	845	1.073	Si
361	141	4178	8821	SLV 3	0.57	2474	1.666	465465	510931	962923	SLV 3	0.35	667	0.974	No
391	-288	-4178	-8821	SLV 13	0.57	2474	1.666	450593	610501	962923	SLV 3	0.31	467	0.841	No
421	-734	-4178	-8821	SLV 13	0.57	2474	1.666	441470	647032	962923	SLV 3	0.3	427	0.811	No
431	-887	-4178	-8821	SLV 13	0.57	2474	1.666	441470	647032	962923	SLV 3	0.3	427	0.811	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	3914	1467	8821	SLD 3	0.45	1225	3.143	-278540	-316436	-962923	SLD 3	0.29	423	2.032	Si
30	3829	1467	8821	SLD 3	0.45	1281	3.201	-278540	-316436	-962923	SLD 3	0.29	423	2.032	Si
60	3567	1467	8821	SLD 3	0.48	1469	3.386	-235755	-300274	-962923	SLD 3	0.33	547	2.258	Si
90	3290	1467	8821	SLD 3	0.5	1684	3.581	-124874	-256222	-962923	SLD 3	0.44	1154	3.067	Si
120	2999	1467	8821	SLD 3	0.53	1931	3.788	-22108	-212180	-962923	SLD 3	0.58	2474	4.193	Si
135	2851	1467	8821	SLD 3	0.54	2066	3.894	26094	190166	962923	SLD 13	0.6	2474	4.193	Si
165	2543	1467	8821	SLD 3	0.56	2363	4.115	115913	146159	962923	SLD 13	0.6	2474	4.193	Si
195	2218	1467	8821	SLD 3	0.59	2474	4.193	196687	102222	962923	SLD 13	0.6	2474	4.193	Si
225	1877	1467	8821	SLD 3	0.6	2474	4.193	267933	58594	962923	SLD 13	0.6	2474	4.193	Si
255	1519	1467	8821	SLD 3	0.6	2474	4.193	417338	72075	962923	SLD 3	0.6	2474	4.193	Si
285	1145	1467	8821	SLD 3	0.6	2474	4.193	446304	115985	962923	SLD 3	0.59	2474	4.193	Si
315	755	1467	8821	SLD 3	0.6	2474	4.193	463326	159983	962923	SLD 3	0.42	1018	2.913	Si
346	349	1467	8821	SLD 3	0.6	2474	4.193	467947	204013	962923	SLD 3	0.33	549	2.262	Si
361	141	1467	8821	SLD 3	0.6	2474	4.193	465465	226035	962923	SLD 3	0.3	439	2.064	Si
391	-288	-1467	-8821	SLD 13	0.6	2474	4.193	450593	270085	962923	SLD 3	0.26	317	1.806	Si
421	-734	-1467	-8821	SLD 13	0.6	2474	4.193	441470	286247	962923	SLD 3	0.25	290	1.741	Si
431	-887	-1467	-8821	SLD 13	0.6	2474	4.193	441470	286247	962923	SLD 3	0.25	290	1.741	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 73-74

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 73 - 73A, sezione R 40x70, asta 1161

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	416291	SLU 36	416291	1414576	0.086						Si
17	7.6	5.4	11.4	5.4	476338	SLU 36	476338	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	484586	SLU 36	552149	1414576	0.086						Si
34	7.6	5.4	11.4	5.4	522997	SLU 36	571409	1414576	0.086						Si
52	7.6	5.4	11.4	5.4	556409	SLU 36	582391	1413591	0.086						Si
69	7.6	5.4	10.24	5.4	576577	SLU 36	583498	1276318	0.084						Si
77	7.6	5.4	9.66	5.4	581693	SLU 36	583498	1207660	0.082						Si
86	7.6	5.4	7.6	5.4	583498	SLU 36	583498	962923	0.078						Si
94	7.6	5.4	7.6	5.4	581992	SLU 36	583498	962923	0.078						Si
112	7.6	5.4	7.6	5.4	569045	SLU 36	583498	962923	0.078						Si
129	7.6	5.4	7.6	5.4	542852	SLU 36	579038	962923	0.078						Si
146	7.6	5.4	7.6	5.4	503689	SLU 30	562030	962923	0.078						Si
163	7.6	5.4	7.6	5.4	457386	SLU 30	531776	962923	0.078						Si
180	7.6	5.4	7.6	5.4	398714	SLU 29	490452	962923	0.078						Si
197	7.6	5.4	7.6	5.4	329399	SLU 29	440311	962923	0.078						Si
206	7.6	5.4	7.6	5.4	290047	SLU 29	410546	962923	0.078	128075	SLU 4	-11704	-962923	0.078	Si
223	7.6	5.4	7.6	5.4	201953	SLU 29	343410	962923	0.078	52453	SLU 4	-28163	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	126193	SLU 11	278020	962923	0.078	-28163	SLU 26	-28163	-962923	0.078	Si
240	7.6	5.4	7.6	5.4	112934	SLU 11	112934	962923	0.078	-47354	SLU 26	-45817	-962923	0.078	Si
258	7.6	5.4	7.6	5.4	25174	SLU 11	25174	962923	0.078	-173157	SLU 26	-95222	-962923	0.078	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	1229996	SLV 15	1190924	1414576	0.086	-679252	SLV 1	-582329	-963377	0.08	Si
17	7.6	5.4	11.4	5.4	1159885	SLV 15	1158655	1414576	0.086	-520036	SLV 1	-517958	-963377	0.08	Si
20	7.6	5.4	11.4	5.4	1147124	SLV 15	1147124	1414576	0.086	-494956	SLV 1	-494956	-963377	0.08	Si
34	7.6	5.4	11.4	5.4	1080199	SLV 15	1147124	1414576	0.086	-370470	SLV 1	-494956	-963377	0.08	Si
52	7.6	5.4	11.4	5.4	991060	SLV 15	1136179	1413591	0.086	-230474	SLV 1	-473446	-963378	0.08	Si
69	7.6	5.4	10.24	5.4	892511	SLV 15	1053592	1276318	0.084	-100089	SLV 1	-326812	-963268	0.079	Si
77	7.6	5.4	9.66	5.4	839734	SLV 15	1008756	1207660	0.082	-38527	SLV 1	-257085	-963207	0.079	Si
86	7.6	5.4	7.6	5.4	784647	SLV 15	961564	962923	0.078	20589	SLV 1	-189758	-962923	0.078	Si
94	7.6	5.4	7.6	5.4	727287	SLV 15	912024	962923	0.078	77223	SLV 1	-124839	-962923	0.078	Si
112	7.6	5.4	7.6	5.4	606088	SLV 15	805954	962923	0.078	182702	SLV 1	-2277	-962923	0.078	Si
129	7.6	5.4	7.6	5.4	478227	SLV 15	690762	962923	0.078						Si
146	7.6	5.4	7.6	5.4	391750	SLV 7	567207	962923	0.078						Si
163	7.6	5.4	7.6	5.4	454517	SLV 1	563093	962923	0.078	172985	SLV 15	-102789	-962923	0.078	Si
180	7.6	5.4	7.6	5.4	521739	SLV 1	615378	962923	0.078	13955	SLV 15	-279093	-962923	0.078	Si
197	7.6	5.4	7.6	5.4	580379	SLV 1	658338	962923	0.078	-155513	SLV 15	-465093	-962923	0.078	Si
206	7.6	5.4	7.6	5.4	606266	SLV 1	676290	962923	0.078	-243948	SLV 15	-561699	-962923	0.078	Si
223	7.6	5.4	7.6	5.4	651041	SLV 1	680963	962923	0.078	-428085	SLV 15	-589465	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	680963	SLV 1	680963	962923	0.078	-589465	SLV 15	-589465	-962923	0.078	Si
240	7.6	5.4	7.6	5.4	686412	SLV 1	685837	962923	0.078	-621839	SLV 15	-619124	-962923	0.078	Si
258	7.6	5.4	7.6	5.4	712332	SLV 1	699477	962923	0.078	-825165	SLV 15	-702124	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	697547	SLD 15	696396	1414576	0.086	-146802	SLD 1	-87800	-963377	0.08	Si
17	7.6	5.4	11.4	5.4	691383	SLD 15	691075	1414576	0.086	-51534	SLD 1	-50378	-963377	0.08	Si
20	7.6	5.4	11.4	5.4	689173	SLD 15	689173	1414576	0.086	-37006	SLD 1	-37006	-963377	0.08	Si
34	7.6	5.4	11.4	5.4	675623	SLD 15	689173	1414576	0.086	34106	SLD 1	-37006	-963377	0.08	Si
52	7.6	5.4	11.4	5.4	650377	SLD 15	687278	1413591	0.086	110210	SLD 1	-24546	-963378	0.08	Si
69	7.6	5.4	10.24	5.4	615663	SLD 15	668609	1276318	0.084						Si
77	7.6	5.4	9.66	5.4	594767	SLD 15	655717	1207660	0.082						Si
86	7.6	5.4	7.6	5.4	571523	SLD 15	640458	962923	0.078						Si
94	7.6	5.4	7.6	5.4	545947	SLD 15	622834	962923	0.078						Si
112	7.6	5.4	7.6	5.4	487945	SLD 15	580514	962923	0.078						Si
129	7.6	5.4	7.6	5.4	421676	SLD 15	528851	962923	0.078						Si
146	7.6	5.4	7.6	5.4	368392	SLD 7	468177	962923	0.078						Si
163	7.6	5.4	7.6	5.4	376012	SLD 1	400343	962923	0.078						Si
180	7.6	5.4	7.6	5.4	380159	SLD 1	380159	962923	0.078	155535	SLD 15	-29694	-962923	0.078	Si
197	7.6	5.4	7.6	5.4	375197	SLD 1	380159	962923	0.078	49668	SLD 15	-151851	-962923	0.078	Si
206	7.6	5.4	7.6	5.4	369208	SLD 1	380159	962923	0.078	-6890	SLD 15	-216513	-962923	0.078	Si
223	7.6	5.4	7.6	5.4	350154	SLD 1	376607	962923	0.078	-127197	SLD 15	-235234	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	326732	SLD 1	366845	962923	0.078	-235234	SLD 15	-235234	-962923	0.078	Si
240	7.6	5.4	7.6	5.4	321634	SLD 1	321634	962923	0.078	-257062	SLD 15	-255264	-962923	0.078	Si
258	7.6	5.4	7.6	5.4	283630	SLD 1	283630	962923	0.078	-396464	SLD 15	-311316	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.24	0	3939	SLU 34	3939	9741	68363	0	9741	1	Si
17	0	7.6	0	3193	SLU 29	3193	8821	68363	0	8821	1	Si
20	0.101	7.6	0	3075	SLU 29	3075	8821	68363	11671	11671	1	Si
34	0.101	7.6	0	2478	SLU 29	2478	8821	68363	11671	11671	1	Si
52	0.101	7.6	0	1762	SLU 29	1762	8821	68363	11671	11671	1	Si
69	0.101	7.6	0	1047	SLU 29	1047	8821	68363	11671	11671	1	Si
77	0.101	7.6	0	689	SLU 29	689	8821	68363	11671	11671	1	Si
77	0.101	7.6	0	-44	SLU 4	-44	-8821	-68363	-11671	-11671	1	Si
94	0.104	7.6	0	82	SLU 2	82	8821	68363	12047	12047	1	Si
94	0.104	7.6	0	-687	SLU 31	-687	-8821	-68363	-12047	-12047	1	Si
112	0.104	7.6	0	-1419	SLU 35	-1419	-8821	-68363	-12047	-12047	1	Si
129	0.104	7.6	0	-2176	SLU 35	-2176	-8821	-68363	-12047	-12047	1	Si
146	0.104	7.6	0	-2933	SLU 35	-2933	-8821	-68363	-12047	-12047	1	Si
163	0.104	7.6	0	-3690	SLU 35	-3690	-8821	-68363	-12047	-12047	1	Si
180	0.115	7.6	0	-4447	SLU 35	-4447	-8821	-68363	-13338	-13338	1	Si
197	0.115	7.6	0	-5203	SLU 35	-5203	-8821	-68363	-13338	-13338	1	Si
206	0.115	7.6	0	-5582	SLU 35	-5582	-8821	-68363	-13338	-13338	1	Si
223	0.115	7.6	0	-6339	SLU 35	-6339	-8821	-68363	-13338	-13338	1	Si
238	0.115	7.6	0	-6971	SLU 35	-6971	-8821	-68363	-13338	-13338	1	Si
240	0	7.6	0	-7096	SLU 35	-7096	-8821	-68363	0	-8821	1	Si
258	0	7.6	0	-7853	SLU 35	-7853	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	9386	SLV 1	11091	8821	68363	0	8821	1	Si
0	0	10.24	0	-3732	SLV 15	-5437	-9741	-68363	0	-9741	1	Si
17	0	7.6	0	8827	SLV 1	10532	8821	68363	0	8821	1	Si
17	0	7.6	0	-4290	SLV 15	-5996	-8821	-68363	0	-8821	1	Si
20	0.101	7.6	0	8737	SLV 1	10443	8821	68363	11671	11671	1	Si
20	0.101	7.6	0	-4380	SLV 15	-6085	-8821	-68363	-11671	-11671	1	Si
34	0.101	7.6	0	8283	SLV 1	9989	8821	68363	11671	11671	1	Si
34	0.101	7.6	0	-4834	SLV 15	-6539	-8821	-68363	-11671	-11671	1	Si
52	0.101	7.6	0	7740	SLV 1	9445	8821	68363	11671	11671	1	Si
52	0.101	7.6	0	-5377	SLV 15	-7083	-8821	-68363	-11671	-11671	1	Si
69	0.101	7.6	0	7197	SLV 1	8902	8821	68363	11671	11671	1	Si
69	0.101	7.6	0	-5921	SLV 15	-7626	-8821	-68363	-11671	-11671	1	Si
77	0.101	7.6	0	6925	SLV 1	8630	8821	68363	11671	11671	1	Si
77	0.101	7.6	0	-6193	SLV 15	-7898	-8821	-68363	-11671	-11671	1	Si
94	0.104	7.6	0	6381	SLV 1	8087	8821	68363	12047	12047	1	Si
94	0.104	7.6	0	-6736	SLV 15	-8441	-8821	-68363	-12047	-12047	1	Si
112	0.104	7.6	0	5838	SLV 1	7543	8821	68363	12047	12047	1	Si
112	0.104	7.6	0	-7280	SLV 15	-8985	-8821	-68363	-12047	-12047	1	Si
129	0.104	7.6	0	5294	SLV 1	7000	8821	68363	12047	12047	1	Si
129	0.104	7.6	0	-7823	SLV 15	-9528	-8821	-68363	-12047	-12047	1	Si
146	0.104	7.6	0	4751	SLV 1	6456	8821	68363	12047	12047	1	Si
146	0.104	7.6	0	-8366	SLV 15	-10072	-8821	-68363	-12047	-12047	1	Si
163	0.104	7.6	0	4207	SLV 1	5913	8821	68363	12047	12047	1	Si
163	0.104	7.6	0	-8910	SLV 15	-10615	-8821	-68363	-12047	-12047	1	Si
180	0.115	7.6	0	3664	SLV 1	5369	8821	68363	13338	13338	1	Si
180	0.115	7.6	0	-9453	SLV 15	-11159	-8821	-68363	-13338	-13338	1	Si
197	0.115	7.6	0	3120	SLV 1	4826	8821	68363	13338	13338	1	Si
197	0.115	7.6	0	-9997	SLV 15	-11702	-8821	-68363	-13338	-13338	1	Si
206	0.115	7.6	0	2849	SLV 1	4554	8821	68363	13338	13338	1	Si
206	0.115	7.6	0	-10269	SLV 15	-11974	-8821	-68363	-13338	-13338	1	Si
223	0.115	7.6	0	2305	SLV 1	4010	8821	68363	13338	13338	1	Si
223	0.115	7.6	0	-10812	SLV 15	-12517	-8821	-68363	-13338	-13338	1	Si
238	0.115	7.6	0	1851	SLV 1	3557	8821	68363	13338	13338	1	Si
238	0.115	7.6	0	-11266	SLV 15	-12971	-8821	-68363	-13338	-13338	1	Si
240	0	7.6	0	1762	SLV 1	3467	8821	68363	0	8821	1	Si
240	0	7.6	0	-11356	SLV 15	-13061	-8821	-68363	0	-8821	1	Si
258	0	7.6	0	1218	SLV 1	2923	8821	68363	0	8821	1	Si
258	0	7.6	0	-11899	SLV 15	-13604	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5728	SLD 1	5728	8821	68363	0	8821	1	Si
0	0	10.24	0	-74	SLD 15	-74	-9741	-68363	0	-9741	1	Si
17	0	7.6	0	5169	SLD 1	5169	8821	68363	0	8821	1	Si
17	0	7.6	0	-633	SLD 15	-633	-8821	-68363	0	-8821	1	Si
20	0.101	7.6	0	5079	SLD 1	5079	8821	68363	11671	11671	1	Si
20	0.101	7.6	0	-722	SLD 15	-722	-8821	-68363	-11671	-11671	1	Si
34	0.101	7.6	0	4626	SLD 1	4626	8821	68363	11671	11671	1	Si
34	0.101	7.6	0	-1176	SLD 15	-1176	-8821	-68363	-11671	-11671	1	Si
52	0.101	7.6	0	4082	SLD 1	4082	8821	68363	11671	11671	1	Si
52	0.101	7.6	0	-1720	SLD 15	-1720	-8821	-68363	-11671	-11671	1	Si
69	0.101	7.6	0	3539	SLD 1	3539	8821	68363	11671	11671	1	Si
69	0.101	7.6	0	-2263	SLD 15	-2263	-8821	-68363	-11671	-11671	1	Si
77	0.101	7.6	0	3267	SLD 1	3267	8821	68363	11671	11671	1	Si
77	0.101	7.6	0	-2535	SLD 15	-2535	-8821	-68363	-11671	-11671	1	Si
94	0.104	7.6	0	2723	SLD 1	2723	8821	68363	12047	12047	1	Si
94	0.104	7.6	0	-3078	SLD 15	-3078	-8821	-68363	-12047	-12047	1	Si
112	0.104	7.6	0	2180	SLD 1	2180	8821	68363	12047	12047	1	Si
112	0.104	7.6	0	-3622	SLD 15	-3622	-8821	-68363	-12047	-12047	1	Si
129	0.104	7.6	0	1637	SLD 1	1637	8821	68363	12047	12047	1	Si
129	0.104	7.6	0	-4165	SLD 15	-4165	-8821	-68363	-12047	-12047	1	Si
146	0.104	7.6	0	1093	SLD 1	1093	8821	68363	12047	12047	1	Si
146	0.104	7.6	0	-4709	SLD 15	-4709	-8821	-68363	-12047	-12047	1	Si
163	0.104	7.6	0	550	SLD 1	550	8821	68363	12047	12047	1	Si
163	0.104	7.6	0	-5252	SLD 15	-5252	-8821	-68363	-12047	-12047	1	Si
180	0.115	7.6	0	6	SLD 1	6	8821	68363	13338	13338	1	Si
180	0.115	7.6	0	-5796	SLD 15	-5796	-8821	-68363	-13338	-13338	1	Si
197	0.115	7.6	0	-6339	SLD 15	-6339	-8821	-68363	-13338	-13338	1	Si
206	0.115	7.6	0	-6611	SLD 15	-6611	-8821	-68363	-13338	-13338	1	Si
223	0.115	7.6	0	-7154	SLD 15	-7154	-8821	-68363	-13338	-13338	1	Si
238	0.115	7.6	0	-7608	SLD 15	-7608	-8821	-68363	-13338	-13338	1	Si
240	0	7.6	0	-7698	SLD 15	-7698	-8821	-68363	0	-8821	1	Si
258	0	7.6	0	-8241	SLD 15	-8241	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara	Quasi permanente	Verifica

	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	307930	9	307930	11.9	124.5	460	1837	275372	2	275372	10.6	93.4	0	+∞	Si
17	353005	9	353005	13.6	124.5	527.4	1837	319925	2	319925	12.4	93.4	0	+∞	Si
20	359189	9	409771	15.8	124.5	612.2	1837	326084	2	377030	14.6	93.4	0	+∞	Si
34	387976	9	424107	16.4	124.5	633.6	1837	354864	2	392060	15.1	93.4	0	+∞	Si
52	412953	9	432157	16.7	124.5	646.1	1837	380293	2	401383	15.5	93.4	0	+∞	Si
69	427934	9	432919	17.4	124.5	717.5	1837	396211	2	402618	16.2	93.4	0	+∞	Si
77	431676	9	432919	17.8	124.5	758.9	1837	400603	2	402618	16.5	93.4	0	+∞	Si
94	431664	9	432919	11.3	124.5	169.2	1837	402255	2	402618	18.1	93.4	0	+∞	Si
112	421657	9	432919	11.3	124.5	169.2	1837	394395	2	402618	18.1	93.4	0	+∞	Si
129	401655	9	429362	11.2	124.5	167.8	1837	377025	2	400574	18	93.4	0	+∞	Si
146	371840	3	416291	10.8	124.5	162.7	1837	350143	2	389798	17.5	93.4	0	+∞	Si
163	336102	3	393224	10.2	124.5	153.7	1837	313751	2	369512	16.6	93.4	0	+∞	Si
180	290952	2	361612	9.4	124.5	141.3	1837	267847	2	339714	15.2	93.4	0	+∞	Si
197	237542	2	322957	8.4	124.5	126.2	1837	212433	2	300406	13.5	93.4	0	+∞	Si
206	207271	2	300063	7.8	124.5	117.3	1837	181159	2	277185	12.4	93.4	0	+∞	Si
223	139594	2	248332	6.5	124.5	97.1	1837	111478	2	223610	10	93.4	0	+∞	Si
238	75539	2	198028	5.2	124.5	77.4	1837	45749	2	171632	7.7	93.4	0	+∞	Si
238	-9689	8	-9689	0.3	124.5	3.8	1837								Si
240	62407	2	62407	1.6	124.5	24.4	1837	32286	2	32286	1.4	93.4	0	+∞	Si
240	-24705	8	-23503	0.6	124.5	9.2	1837	-12895	1	-11781	0.5	93.4	0	+∞	Si
258	-123179	8	-62162	1.6	124.5	24.3	1837	-104605	1	-47727	2.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
20	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
34	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.004	0.004	0.01	2	0.009	2	9999	Si
52	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
69	0.008	0.007	0.007	0.006	0.008	0.007	0.006	0.006	0.008	0.007	0.016	2	0.015	2	9999	Si
77	0.009	0.008	0.007	0.006	0.008	0.008	0.007	0.006	0.008	0.008	0.017	2	0.016	2	9999	Si
94	0.01	0.008	0.008	0.007	0.009	0.008	0.007	0.007	0.009	0.008	0.019	2	0.018	2	9999	Si
112	0.01	0.009	0.008	0.007	0.009	0.009	0.008	0.007	0.009	0.009	0.02	2	0.018	2	9999	Si
120	0.01	0.009	0.008	0.007	0.01	0.009	0.008	0.007	0.009	0.009	0.02	2	0.018	2	9999	Si
129	0.01	0.009	0.008	0.007	0.01	0.009	0.008	0.007	0.009	0.009	0.02	2	0.018	2	9999	Si
146	0.01	0.008	0.008	0.007	0.009	0.008	0.007	0.007	0.009	0.008	0.019	2	0.017	2	9999	Si
163	0.009	0.008	0.007	0.006	0.008	0.008	0.007	0.006	0.008	0.008	0.017	2	0.016	2	9999	Si
180	0.008	0.007	0.006	0.005	0.007	0.007	0.006	0.005	0.007	0.007	0.015	2	0.014	2	9999	Si
197	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.012	2	0.011	2	9999	Si
206	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
223	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
238	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
240	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.004	2	0.003	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	2179	8264	11671	SLV 1	0.42	1000	1.149	326084	821040	1414576	SLV 15	0.48	1461	1.343	Si
34	1725	8264	11671	SLV 1	0.43	1131	1.209	326084	821040	1414576	SLV 15	0.48	1461	1.343	Si
52	1181	8264	11671	SLV 1	0.46	1302	1.281	331366	804813	1413591	SLV 15	0.48	1518	1.364	Si
69	638	8264	11671	SLV 1	0.48	1489	1.353	363390	690202	1276318	SLV 15	0.47	1452	1.339	Si
77	366	8264	11671	SLV 1	0.49	1589	1.39	375835	632920	1207660	SLV 15	0.47	1428	1.33	Si
94	-177	-8264	-12047	SLV 15	0.51	1810	1.466	393592	518431	962923	SLV 15	0.4	894	1.098	Si
112	-721	-8264	-12047	SLV 15	0.49	1597	1.393	401839	404115	962923	SLV 15	0.5	1653	1.412	Si
129	-1264	-8264	-12047	SLV 15	0.47	1401	1.32	400574	290188	962923	SLV 15	0.57	2474	1.666	Si
146	-1808	-8264	-12047	SLV 15	0.45	1222	1.248	282650	219084	962923	SLV 1	0.57	2474	1.666	Si
163	-2351	-8264	-12047	SLV 15	0.42	1057	1.176	230152	332941	962923	SLV 1	0.57	2474	1.666	Si
180	-2895	-8264	-13338	SLV 15	0.45	1287	1.275	168143	447236	962923	SLV 1	0.57	2474	1.666	Si
197	-3438	-8264	-13338	SLV 15	0.43	1117	1.203	96622	561715	962923	SLV 1	0.55	2190	1.585	Si
206	-3710	-8264	-13338	SLV 15	0.42	1038	1.167	57296	618994	962923	SLV 1	0.52	1902	1.496	Si
223	-4254	-8264	-13338	SLV 15	0.4	896	1.099	45749	635214	962923	SLV 1	0.52	1836	1.475	Si
238	-4707	-8264	-13338	SLV 15	0.38	791	1.044	45749	635214	962923	SLV 1	0.52	1836	1.475	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	2179	2901	11671	SLD 1	0.44	1155	3.068	326084	363090	1414576	SLD 15	0.4	918	2.792	Si
34	1725	2901	11671	SLD 1	0.46	1308	3.229	326084	363090	1414576	SLD 15	0.4	918	2.792	Si
52	1181	2901	11671	SLD 1	0.48	1506	3.421	331366	355912	1413591	SLD 15	0.41	950	2.832	Si
69	638	2901	11671	SLD 1	0.5	1724	3.616	363390	305219	1276318	SLD 15	0.4	913	2.786	Si
77	366	2901	11671	SLD 1	0.52	1839	3.713	375835	279882	1207660	SLD 15	0.4	899	2.769	Si
94	-177	-2901	-12047	SLD 15	0.54	2096	3.917	393592	229241	962923	SLD 15	0.34	581	2.315	Si
112	-721	-2901	-12047	SLD 15	0.52	1848	3.72	401839	178675	962923	SLD 15	0.42	1035	2.933	Si
129	-1264	-2901	-12047	SLD 15	0.49	1621	3.526	400574	128277	962923	SLD 15	0.58	2474	4.193	Si
146	-1808	-2901	-12047	SLD 15	0.47	1412	3.332	282650	96913	962923	SLD 1	0.6	2474	4.193	Si
163	-2351	-2901	-12047	SLD 15	0.45	1222	3.14	267847	112312	962923	SLD 1	0.6	2474	4.193	Si
180	-2895	-2901	-13338	SLD 15	0.48	1488	3.404	168143	164906	962923	SLD 3	0.6	2474	4.193	Si
197	-3438	-2901	-13338	SLD 15	0.46	1292	3.212	96622	248474	962923	SLD 1	0.46	1367	3.288	Si
206	-3710	-2901	-13338	SLD 15	0.44	1201	3.118	57296	273809	962923	SLD 1	0.44	1189	3.105	Si
223	-4254	-2901	-13338	SLD 15	0.42	1027	2.924	45749	280983	962923	SLD 1	0.44	1149	3.062	Si
238	-4707	-2901	-13338	SLD 15	0.4	901	2.771	45749	280983	962923	SLD 1	0.44	1149	3.062	Si

Campata 3 tra i fili 73A - 73B, sezione R 40x70, asta 1160

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	81829	SLU 11	81829	962923	0.078	-119157	SLU 26	-81074	-962923	0.078	Si
14	7.6	5.4	7.6	5.4	107786	SLU 11	107786	962923	0.078	-69732	SLU 26	-66417	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	116874	SLU 11	144990	962923	0.078	-51162	SLU 26	-51162	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	127408	SLU 11	150447	962923	0.078	-29276	SLU 22	-51162	-962923	0.078	Si
42	7.6	5.4	7.6	5.4	140695	SLU 11	154758	962923	0.078	1882	SLU 22	-51162	-962923	0.078	Si
56	7.6	5.4	7.6	5.4	149924	SLU 29	154758	962923	0.078	23098	SLU 4	-32097	-962923	0.078	Si
63	7.6	5.4	7.6	5.4	153343	SLU 29	154758	962923	0.078	29652	SLU 4	-15266	-962923	0.078	Si
77	7.6	5.4	7.6	5.4	154170	SLU 29	154758	962923	0.078						Si
91	7.6	5.4	7.6	5.4	146986	SLU 29	154758	962923	0.078						Si
105	7.6	5.4	7.6	5.4	131789	SLU 29	154260	962923	0.078						Si
119	10.61	5.4	7.6	5.4	108579	SLU 29	147688	963306	0.079	28196	SLU 4	-11210	-1320669	0.085	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
133	11.93	5.4	10.03	5.4	77357	SLU 29	133103	1251018	0.083	12862	SLU 4	-48105	-1477202	0.087	Si
147	13.25	5.4	10.97	5.4	38421	SLU 11	110506	1362796	0.085	-8758	SLU 22	-96589	-1633655	0.089	Si
161	14.57	5.4	11.4	5.4	-180	SLU 2	79897	1414313	0.085	-44712	SLU 31	-154196	-1790054	0.091	Si
168	15.21	5.4	11.4	5.4	-20514	SLU 2	61588	1414287	0.085	-66914	SLU 35	-154196	-1865107	0.093	Si
182	15.21	5.4	11.4	5.4	-65673	SLU 2	21912	1414287	0.085	-119952	SLU 35	-154196	-1865107	0.093	Si
190	15.21	5.4	11.4	5.4	-94259	SLU 2	8	1414287	0.085	-154196	SLU 35	-154196	-1865107	0.093	Si
196	15.21	5.4	11.4	5.4						-181468	SLU 35	-176825	-1865107	0.093	Si
210	15.21	5.4	11.4	5.4						-255483	SLU 36	-198568	-1865107	0.093	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	849239	SLV 13	755971	962923	0.078	-877814	SLV 3	-734938	-962923	0.078	Si
14	7.6	5.4	7.6	5.4	715214	SLV 13	706927	962923	0.078	-680163	SLV 3	-667581	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	655881	SLV 13	655881	962923	0.078	-597476	SLV 3	-597476	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	575328	SLV 13	655881	962923	0.078	-488826	SLV 3	-597476	-962923	0.078	Si
42	7.6	5.4	7.6	5.4	429883	SLV 13	655881	962923	0.078	-304103	SLV 3	-597476	-962923	0.078	Si
56	7.6	5.4	7.6	5.4	340036	SLV 9	586130	962923	0.078	-187152	SLV 7	-503327	-962923	0.078	Si
63	7.6	5.4	7.6	5.4	304342	SLV 9	514279	962923	0.078	-142471	SLV 7	-409850	-962923	0.078	Si
77	7.6	5.4	7.6	5.4	283419	SLV 5	525394	962923	0.078	-112706	SLV 11	-375400	-962923	0.078	Si
91	7.6	5.4	7.6	5.4	379476	SLV 1	657830	962923	0.078	-212094	SLV 15	-536447	-962923	0.078	Si
105	7.6	5.4	7.6	5.4	515219	SLV 1	789735	962923	0.078	-363342	SLV 15	-709135	-962923	0.078	Si
119	10.61	5.4	7.6	5.4	647770	SLV 1	922169	963306	0.079	-523574	SLV 15	-894527	-1320669	0.085	Si
133	11.93	5.4	10.03	5.4	779602	SLV 1	1042683	1251018	0.083	-695259	SLV 15	-1078471	-1477202	0.087	Si
147	13.25	5.4	10.97	5.4	912123	SLV 1	1178246	1362796	0.085	-879808	SLV 15	-1293043	-1633655	0.089	Si
161	14.57	5.4	11.4	5.4	1042683	SLV 1	1298128	1414313	0.085	-1074569	SLV 15	-1501916	-1790054	0.091	Si
168	15.21	5.4	11.4	5.4	1106417	SLV 3	1298128	1414287	0.085	-1174969	SLV 13	-1501916	-1865107	0.093	Si
182	15.21	5.4	11.4	5.4	1230044	SLV 3	1298128	1414287	0.085	-1381059	SLV 13	-1501916	-1865107	0.093	Si
190	15.21	5.4	11.4	5.4	1298128	SLV 3	1298128	1414287	0.085	-1501916	SLV 13	-1501916	-1865107	0.093	Si
196	15.21	5.4	11.4	5.4	1348119	SLV 3	1341307	1414287	0.085	-1593770	SLV 13	-1579888	-1865107	0.093	Si
210	15.21	5.4	11.4	5.4	1460391	SLV 3	1382794	1414287	0.085	-1812853	SLV 13	-1654801	-1865107	0.093	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	367666	SLD 13	340230	962923	0.078	-396242	SLD 3	-319196	-962923	0.078	Si
14	7.6	5.4	7.6	5.4	326108	SLD 13	323638	962923	0.078	-291058	SLD 3	-284292	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	306368	SLD 13	306368	962923	0.078	-247963	SLD 3	-247963	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	278561	SLD 13	306368	962923	0.078	-192058	SLD 3	-247963	-962923	0.078	Si
42	7.6	5.4	7.6	5.4	225154	SLD 13	306368	962923	0.078	-99374	SLD 3	-247963	-962923	0.078	Si
56	7.6	5.4	7.6	5.4	193043	SLD 9	282308	962923	0.078	-40159	SLD 7	-199506	-962923	0.078	Si
63	7.6	5.4	7.6	5.4	179736	SLD 9	256546	962923	0.078	-17866	SLD 7	-152118	-962923	0.078	Si
77	7.6	5.4	7.6	5.4	172993	SLD 5	274305	962923	0.078	-2280	SLD 11	-124311	-962923	0.078	Si
91	7.6	5.4	7.6	5.4	214586	SLD 1	324922	962923	0.078	-47204	SLD 15	-203539	-962923	0.078	Si
105	7.6	5.4	7.6	5.4	270328	SLD 1	371910	962923	0.078	-118451	SLD 15	-291310	-962923	0.078	Si
119	10.61	5.4	7.6	5.4	321256	SLD 1	415737	963306	0.079	-197059	SLD 15	-388095	-1320669	0.085	Si
133	11.93	5.4	10.03	5.4	368470	SLD 1	452459	1251018	0.083	-284127	SLD 15	-487633	-1477202	0.087	Si
147	13.25	5.4	10.97	5.4	412596	SLD 1	489320	1362796	0.085	-380280	SLD 15	-604116	-1633655	0.089	Si
161	14.57	5.4	11.4	5.4	452459	SLD 1	517547	1414313	0.085	-484345	SLD 15	-721335	-1790054	0.091	Si
168	15.21	5.4	11.4	5.4	470434	SLD 3	517547	1414287	0.085	-538986	SLD 13	-721335	-1865107	0.093	Si
182	15.21	5.4	11.4	5.4	502139	SLD 3	517547	1414287	0.085	-653153	SLD 13	-721335	-1865107	0.093	Si
190	15.21	5.4	11.4	5.4	517547	SLD 3	517547	1414287	0.085	-721335	SLD 13	-721335	-1865107	0.093	Si
196	15.21	5.4	11.4	5.4	527992	SLD 3	526950	1414287	0.085	-773644	SLD 13	-765530	-1865107	0.093	Si
210	15.21	5.4	11.4	5.4	547885	SLD 3	535985	1414287	0.085	-900347	SLD 13	-807992	-1865107	0.093	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3821	SLU 24	3821	8821	68363	0	8821	1	Si
14	0	7.6	0	3241	SLU 24	3241	8821	68363	0	8821	1	Si
20	0.16	7.6	0	2992	SLU 24	2992	8821	68363	18536	18536	1	Si
28	0.16	7.6	0	2660	SLU 24	2660	8821	68363	18536	18536	1	Si
42	0.16	7.6	0	2079	SLU 24	2079	8821	68363	18536	18536	1	Si
56	0.16	7.6	0	1498	SLU 24	1498	8821	68363	18536	18536	1	Si
63	0.16	7.6	0	1208	SLU 24	1208	8821	68363	18536	18536	1	Si
77	0.16	7.6	0	627	SLU 24	627	8821	68363	18536	18536	1	Si
77	0.16	7.6	0	-409	SLU 12	-409	-8821	-68363	-18536	-18536	1	Si
91	0.16	7.6	0	47	SLU 24	47	8821	68363	18536	18536	1	Si
91	0.16	7.6	0	-861	SLU 12	-861	-8821	-68363	-18536	-18536	1	Si
105	0.16	7.6	0	-1372	SLU 30	-1372	-8821	-68363	-18536	-18536	1	Si
119	0.16	7.6	0	-1944	SLU 30	-1944	-8821	-68363	-18536	-18536	1	Si
133	0.16	7.6	0	-2517	SLU 30	-2517	-8821	-68363	-18536	-18536	1	Si
147	0.16	7.6	0	-3089	SLU 30	-3089	-8821	-68363	-18536	-18536	1	Si
161	0.16	7.6	0	-3661	SLU 30	-3661	-8821	-68363	-18536	-18536	1	Si
168	0.16	7.6	0	-3948	SLU 30	-3948	-8821	-68363	-18536	-18536	1	Si
182	0.16	10.61	0	-4535	SLU 36	-4535	-9858	-68363	-18536	-18536	1	Si
190	0.16	11.27	0	-4881	SLU 36	-4881	-10058	-68363	-18536	-18536	1	Si
196	0	11.93	0	-5141	SLU 36	-5141	-10251	-68363	0	-10251	1	Si
210	0	13.25	0	-5746	SLU 36	-5746	-10616	-68363	0	-10616	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	14367	SLV 3	17455	8821	68363	0	8821	1	Si
0	0	7.6	0	-9388	SLV 13	-12476	-8821	-68363	0	-8821	1	Si
14	0	7.6	0	13933	SLV 3	17021	8821	68363	0	8821	1	Si
14	0	7.6	0	-9823	SLV 13	-12911	-8821	-68363	0	-8821	1	Si
20	0.16	7.6	0	13746	SLV 3	16834	8821	68363	18536	18536	1	Si
20	0.16	7.6	0	-10009	SLV 13	-13097	-8821	-68363	-18536	-18536	1	Si
28	0.16	7.6	0	13498	SLV 3	16586	8821	68363	18536	18536	1	Si
28	0.16	7.6	0	-10257	SLV 13	-13346	-8821	-68363	-18536	-18536	1	Si
42	0.16	7.6	0	13063	SLV 3	16151	8821	68363	18536	18536	1	Si
42	0.16	7.6	0	-10692	SLV 13	-13780	-8821	-68363	-18536	-18536	1	Si
56	0.16	7.6	0	12628	SLV 3	15716	8821	68363	18536	18536	1	Si
56	0.16	7.6	0	-11127	SLV 13	-14215	-8821	-68363	-18536	-18536	1	Si
63	0.16	7.6	0	12411	SLV 3	15499	8821	68363	18536	18536	1	Si
63	0.16	7.6	0	-11344	SLV 13	-14433	-8821	-68363	-18536	-18536	1	Si
77	0.16	7.6	0	11976	SLV 3	15064	8821	68363	18536	18536	1	Si
77	0.16	7.6	0	-11779	SLV 13	-14867	-8821	-68363	-18536	-18536	1	Si
91	0.16	7.6	0	11541	SLV 3	14629	8821	68363	18536	18536	1	Si
91	0.16	7.6	0	-12214	SLV 13	-15302	-8821	-68363	-18536	-18536	1	Si
105	0.16	7.6	0	11106	SLV 3	14195	8821	68363	18536	18536	1	Si
105	0.16	7.6	0	-12649	SLV 13	-15737	-8821	-68363	-18536	-18536	1	Si
119	0.16	7.6	0	10672	SLV 3	13760	8821	68363	18536	18536	1	Si
119	0.16	7.6	0	-13084	SLV 13	-16172	-8821	-68363	-18536	-18536	1	Si
133	0.16	7.6	0	10237	SLV 3	13325	8821	68363	18536	18536	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
133	0.16	7.6	0	-13518	SLV 13	-16606	-8821	-68363	-18536	-18536	1	Si
147	0.16	7.6	0	9802	SLV 3	12890	8821	68363	18536	18536	1	Si
147	0.16	7.6	0	-13953	SLV 13	-17041	-8821	-68363	-18536	-18536	1	Si
161	0.16	7.6	0	9367	SLV 3	12455	8821	68363	18536	18536	1	Si
161	0.16	7.6	0	-14388	SLV 13	-17476	-8821	-68363	-18536	-18536	1	Si
168	0.16	7.6	0	9150	SLV 3	12238	8821	68363	18536	18536	1	Si
168	0.16	7.6	0	-14605	SLV 13	-17693	-8821	-68363	-18536	-18536	1	Si
182	0.16	7.6	0	8715	SLV 3	11803	8821	68363	18536	18536	1	Si
182	0.16	10.61	0	-15040	SLV 13	-18128	-9858	-68363	-18536	-18536	1	Si
190	0.16	9.56	0	8467	SLV 3	11555	9519	68363	18536	18536	1	Si
190	0.16	11.27	0	-15289	SLV 13	-18377	-10058	-68363	-18536	-18536	1	Si
196	0	10.03	0	8280	SLV 3	11368	9673	68363	0	9673	1	Si
196	0	11.93	0	-15475	SLV 13	-18563	-10251	-68363	0	-10251	1	Si
210	0	10.97	0	7845	SLV 3	10934	9967	68363	0	9967	1	Si
210	0	13.25	0	-15910	SLV 13	-18998	-10616	-68363	0	-10616	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	7744	SLD 3	7744	8821	68363	0	8821	1	Si
0	0	7.6	0	-2765	SLD 13	-2765	-8821	-68363	0	-8821	1	Si
14	0	7.6	0	7310	SLD 3	7310	8821	68363	0	8821	1	Si
14	0	7.6	0	-3200	SLD 13	-3200	-8821	-68363	0	-8821	1	Si
20	0.16	7.6	0	7123	SLD 3	7123	8821	68363	18536	18536	1	Si
20	0.16	7.6	0	-3386	SLD 13	-3386	-8821	-68363	-18536	-18536	1	Si
28	0.16	7.6	0	6875	SLD 3	6875	8821	68363	18536	18536	1	Si
28	0.16	7.6	0	-3635	SLD 13	-3635	-8821	-68363	-18536	-18536	1	Si
42	0.16	7.6	0	6440	SLD 3	6440	8821	68363	18536	18536	1	Si
42	0.16	7.6	0	-4069	SLD 13	-4069	-8821	-68363	-18536	-18536	1	Si
56	0.16	7.6	0	6005	SLD 3	6005	8821	68363	18536	18536	1	Si
56	0.16	7.6	0	-4504	SLD 13	-4504	-8821	-68363	-18536	-18536	1	Si
63	0.16	7.6	0	5788	SLD 3	5788	8821	68363	18536	18536	1	Si
63	0.16	7.6	0	-4722	SLD 13	-4722	-8821	-68363	-18536	-18536	1	Si
77	0.16	7.6	0	5353	SLD 3	5353	8821	68363	18536	18536	1	Si
77	0.16	7.6	0	-5156	SLD 13	-5156	-8821	-68363	-18536	-18536	1	Si
91	0.16	7.6	0	4918	SLD 3	4918	8821	68363	18536	18536	1	Si
91	0.16	7.6	0	-5591	SLD 13	-5591	-8821	-68363	-18536	-18536	1	Si
105	0.16	7.6	0	4484	SLD 3	4484	8821	68363	18536	18536	1	Si
105	0.16	7.6	0	-6026	SLD 13	-6026	-8821	-68363	-18536	-18536	1	Si
119	0.16	7.6	0	4049	SLD 3	4049	8821	68363	18536	18536	1	Si
119	0.16	7.6	0	-6461	SLD 13	-6461	-8821	-68363	-18536	-18536	1	Si
133	0.16	7.6	0	3614	SLD 3	3614	8821	68363	18536	18536	1	Si
133	0.16	7.6	0	-6895	SLD 13	-6895	-8821	-68363	-18536	-18536	1	Si
147	0.16	7.6	0	3179	SLD 3	3179	8821	68363	18536	18536	1	Si
147	0.16	7.6	0	-7330	SLD 13	-7330	-8821	-68363	-18536	-18536	1	Si
161	0.16	7.6	0	2744	SLD 3	2744	8821	68363	18536	18536	1	Si
161	0.16	7.6	0	-7765	SLD 13	-7765	-8821	-68363	-18536	-18536	1	Si
168	0.16	7.6	0	2527	SLD 3	2527	8821	68363	18536	18536	1	Si
168	0.16	7.6	0	-7982	SLD 13	-7982	-8821	-68363	-18536	-18536	1	Si
182	0.16	7.6	0	2092	SLD 3	2092	8821	68363	18536	18536	1	Si
182	0.16	10.61	0	-8417	SLD 13	-8417	-9858	-68363	-18536	-18536	1	Si
190	0.16	9.56	0	1844	SLD 3	1844	9519	68363	18536	18536	1	Si
190	0.16	11.27	0	-8666	SLD 13	-8666	-10058	-68363	-18536	-18536	1	Si
196	0	10.03	0	1657	SLD 3	1657	9673	68363	0	9673	1	Si
196	0	11.93	0	-8852	SLD 13	-8852	-10251	-68363	0	-10251	1	Si
210	0	10.97	0	1223	SLD 3	1223	9967	68363	0	9967	1	Si
210	0	13.25	0	-9287	SLD 13	-9287	-10616	-68363	0	-10616	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	19706	2	19706	0.5	124.5	7.7	1837								Si
0	-75054	8	-46214	1.2	124.5	18.1	1837	-65278	1	-37936	1.7	93.4	0	+∞	Si
14	49150	2	49150	1.3	124.5	19.2	1837	17525	2	17525	0.8	93.4	0	+∞	Si
14	-37740	8	-35233	0.9	124.5	13.8	1837	-29912	1	-27536	1.2	93.4	0	+∞	Si
20	59813	2	96179	2.5	124.5	37.6	1837	29203	2	70487	3.2	93.4	0	+∞	Si
20	-23804	8	-23804	0.6	124.5	9.3	1837	-16712	1	-16712	0.7	93.4	0	+∞	Si
28	72508	2	101468	2.6	124.5	39.7	1837	43251	2	77129	3.5	93.4	0	+∞	Si
28	-7382	4	-23804	0.6	124.5	9.3	1837	-634	1	-16712	0.7	93.4	0	+∞	Si
42	89778	2	106099	2.8	124.5	41.5	1837	62890	2	84128	3.8	93.4	0	+∞	Si
56	100962	2	106324	2.8	124.5	41.6	1837	76442	2	85357	3.8	93.4	0	+∞	Si
63	104271	2	106324	2.8	124.5	41.6	1837	80935	2	85357	3.8	93.4	0	+∞	Si
77	106324	2	106324	2.8	124.5	41.6	1837	85357	2	85357	3.8	93.4	0	+∞	Si
91	102290	2	106324	2.8	124.5	41.6	1837	83691	2	85357	3.8	93.4	0	+∞	Si
105	92169	2	106324	2.8	124.5	41.6	1837	75938	2	85357	3.8	93.4	0	+∞	Si
119	75961	2	102714	2.6	124.5	39.5	1837	62098	2	83934	3.6	93.4	0	+∞	Si
133	53665	2	93059	3.5	124.5	156.8	1837	42172	2	76647	2.9	93.4	0	+∞	Si
147	25283	2	77316	2.8	124.5	119.3	1837	16158	2	63272	2.3	93.4	0	+∞	Si
147	-4355	4	-71541	2.5	124.5	92.2	1837								Si
161	-32912	4	-114439	3.8	124.5	134.5	1837	-26079	1	-104671	3.5	93.4	0	+∞	Si
168	-49478	8	-114439	3.8	124.5	129.1	1837	-42635	1	-104671	3.5	93.4	0	+∞	Si
182	-88927	8	-114439	3.8	124.5	129.1	1837	-80314	1	-104671	3.5	93.4	0	+∞	Si
190	-114439	8	-114439	3.8	124.5	129.1	1837	-104671	1	-104671	3.5	93.4	0	+∞	Si
196	-134773	8	-131307	4.3	124.5	148.1	1837	-124080	1	-120773	4	93.4	0	+∞	Si
210	-189697	9	-147513	4.9	124.5	166.4	1837	-176231	2	-136243	4.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
14	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
20	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
28	0.001	0	0.001	0	0.001	0	0	0	0.001	0	0.001	2	0	2	9999	Si
42	0.001	0	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
56	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
63	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
77	0.002	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
91	0.002	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
105	0.002	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
119	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
133	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
147	0.001	0	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0	2	9999	Si
161	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0	2	9999	Si
168	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0	2	9999	Si
182	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
190	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
196	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1869	14966	18536	SLV 3	0.4	925	1.113	29203	626679	962923	SLV 13	0.53	1997	1.526	Si
28	1620	14966	18536	SLV 3	0.41	959	1.13	29203	626679	962923	SLV 13	0.53	1997	1.526	Si
42	1185	14966	18536	SLV 3	0.42	1025	1.161	29203	626679	962923	SLV 13	0.53	1997	1.526	Si
56	751	14966	18536	SLV 3	0.43	1094	1.193	41401	544728	962923	SLV 13	0.57	2474	1.666	Si
63	533	14966	18536	SLV 3	0.43	1130	1.208	52214	462064	962923	SLV 13	0.57	2474	1.666	Si
77	98	14966	18536	SLV 3	0.44	1203	1.24	74997	450397	962923	SLV 1	0.57	2474	1.666	Si
91	-336	-14966	-18536	SLV 13	0.44	1163	1.223	60692	597138	962923	SLV 1	0.54	2073	1.55	Si
105	-771	-14966	-18536	SLV 13	0.43	1091	1.191	40300	749435	962923	SLV 1	0.44	1201	1.239	Si
119	-1206	-14966	-18536	SLV 13	0.42	1021	1.159	13821	908348	963306	SLV 1	0.38	793	1.045	Si
133	-1641	-14966	-18536	SLV 13	0.41	956	1.128	-15943	1058626	1251018	SLV 1	0.43	1114	1.201	Si
147	-2076	-14966	-18536	SLV 13	0.4	897	1.099	-57398	1235645	1362796	SLV 3	0.42	1001	1.15	Si
161	-2510	-14966	-18536	SLV 13	0.39	841	1.071	-101894	1400022	1414313	SLV 3	0.39	864	1.083	Si
168	-2728	-14966	-18536	SLV 13	0.38	813	1.056	-101894	1400022	1414287	SLV 3	0.39	864	1.083	Si
182	-3162	-14966	-18536	SLV 13	0.37	760	1.027	-101894	1400022	1414287	SLV 3	0.39	864	1.083	Si
190	-3411	-14966	-18536	SLV 13	0.37	730	1.01	-101894	1400022	1414287	SLV 3	0.39	864	1.083	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1869	5255	18536	SLD 3	0.42	1063	2.966	29203	277166	962923	SLD 13	0.45	1248	3.167	Si
28	1620	5255	18536	SLD 3	0.43	1106	3.014	29203	277166	962923	SLD 13	0.45	1248	3.167	Si
42	1185	5255	18536	SLD 3	0.44	1183	3.098	29203	277166	962923	SLD 13	0.45	1248	3.167	Si
56	751	5255	18536	SLD 3	0.45	1264	3.184	41401	240907	962923	SLD 13	0.51	1750	3.638	Si
63	533	5255	18536	SLD 3	0.46	1306	3.227	52214	204332	962923	SLD 13	0.59	2474	4.193	Si
77	98	5255	18536	SLD 3	0.47	1390	3.31	74997	199308	962923	SLD 1	0.59	2474	4.193	Si
91	-336	-5255	-18536	SLD 13	0.46	1344	3.265	60692	264231	962923	SLD 1	0.46	1294	3.215	Si
105	-771	-5255	-18536	SLD 13	0.45	1259	3.179	40300	331610	962923	SLD 1	0.37	765	2.591	Si
119	-1206	-5255	-18536	SLD 13	0.44	1180	3.095	13821	401916	963306	SLD 1	0.32	515	2.203	Si
133	-1641	-5255	-18536	SLD 13	0.43	1102	3.01	-15943	468402	1251018	SLD 1	0.36	714	2.519	Si
147	-2076	-5255	-18536	SLD 13	0.42	1027	2.924	-57398	546718	1362796	SLD 3	0.35	648	2.421	Si
161	-2510	-5255	-18536	SLD 13	0.41	957	2.841	-101894	619441	1414313	SLD 3	0.33	561	2.282	Si
168	-2728	-5255	-18536	SLD 13	0.4	926	2.802	-101894	619441	1414287	SLD 3	0.33	561	2.282	Si
182	-3162	-5255	-18536	SLD 13	0.39	865	2.725	-101894	619441	1414287	SLD 3	0.33	561	2.282	Si
190	-3411	-5255	-18536	SLD 13	0.39	832	2.682	-101894	619441	1414287	SLD 3	0.33	561	2.282	Si

Campata 4 tra i fili 73B - 74, sezione R 40x70, asta 1159

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4						-182790	SLU 26	-147294	-1865107	0.093	Si
7	15.21	5.4	11.4	5.4						-157825	SLU 26	-143628	-1865107	0.093	Si
15	15.21	5.4	11.4	5.4						-135090	SLU 26	-132630	-1865107	0.093	Si
20	15.21	5.4	11.4	5.4						-120025	SLU 26	-120025	-1865107	0.093	Si
26	15.21	5.4	11.4	5.4						-105973	SLU 35	-120025	-1865107	0.093	Si
33	15.21	5.4	11.31	5.4						-90114	SLU 35	-120025	-1865070	0.093	Si
40	15.21	5.4	10.82	5.4						-76580	SLU 35	-120025	-1865134	0.093	Si
48	15.21	5.4	10.32	5.4						-65373	SLU 35	-120025	-1865180	0.093	Si
55	15.21	5.4	9.83	5.4						-58022	SLU 36	-105383	-1865274	0.094	Si
62	15.21	5.4	9.34	5.4						-55605	SLU 36	-89607	-1865279	0.094	Si
70	15.21	5.4	7.6	5.4						-55751	SLU 30	-76157	-1865528	0.096	Si
77	15.21	5.4	7.6	5.4						-59323	SLU 30	-65033	-1865528	0.096	Si
83	15.21	5.4	7.6	5.4						-63513	SLU 30	-63513	-1865528	0.096	Si
88	15.21	5.4	7.6	5.4						-68802	SLU 30	-67779	-1865528	0.096	Si
95	15.21	5.4	7.6	5.4						-77870	SLU 30	-71992	-1865528	0.096	Si
103	15.21	5.4	7.6	5.4						-89136	SLU 30	-74520	-1865528	0.096	Si
110	15.21	5.4	7.6	5.4						-102462	SLU 30	-75362	-1865528	0.096	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	301163	SLV 1	301163	1414287	0.085	-530323	SLV 15	-530323	-1865107	0.093	Si
7	15.21	5.4	11.4	5.4	346914	SLV 1	346914	1414287	0.085	-544902	SLV 15	-544902	-1865107	0.093	Si
15	15.21	5.4	11.4	5.4	393042	SLV 1	393042	1414287	0.085	-563198	SLV 15	-563198	-1865107	0.093	Si
20	15.21	5.4	11.4	5.4	427017	SLV 1	624494	1414287	0.085	-579133	SLV 15	-708770	-1865107	0.093	Si
26	15.21	5.4	11.4	5.4	463702	SLV 1	664092	1414287	0.085	-598372	SLV 15	-741187	-1865107	0.093	Si
33	15.21	5.4	11.31	5.4	512689	SLV 1	714696	1403447	0.085	-627878	SLV 15	-785551	-1865070	0.093	Si
40	15.21	5.4	10.82	5.4	563284	SLV 1	764286	1344907	0.084	-662331	SLV 15	-832241	-1865134	0.093	Si
48	15.21	5.4	10.32	5.4	614661	SLV 3	812667	1286377	0.084	-700908	SLV 13	-881062	-1865180	0.093	Si
55	15.21	5.4	9.83	5.4	665928	SLV 3	849730	1227841	0.083	-742714	SLV 13	-920892	-1865274	0.094	Si
62	15.21	5.4	9.34	5.4	716504	SLV 3	849730	1169301	0.083	-787169	SLV 13	-920892	-1865279	0.094	Si
70	15.21	5.4	7.6	5.4	766055	SLV 3	849730	963633	0.08	-833940	SLV 13	-920892	-1865528	0.096	Si
77	15.21	5.4	7.6	5.4	814391	SLV 3	849730	963633	0.08	-882837	SLV 13	-920892	-1865528	0.096	Si
83	15.21	5.4	7.6	5.4	849730	SLV 3	849730	963633	0.08	-920892	SLV 13	-920892	-1865528	0.096	Si
88	15.21	5.4	7.6	5.4	884372	SLV 3	882573	963633	0.08	-959921	SLV 13	-956931	-1865528	0.096	Si
95	15.21	5.4	7.6	5.4	929242	SLV 3	915011	963633	0.08	-1013701	SLV 13	-992526	-1865528	0.096	Si
103	15.21	5.4	7.6	5.4	972630	SLV 3	934473	963633	0.08	-1069340	SLV 13	-1013882	-1865528	0.096	Si
110	15.21	5.4	7.6	5.4	1014608	SLV 3	940961	963633	0.08	-1126700	SLV 13	-1021001	-1865528	0.096	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	69331	SLD 1	69331	1414287	0.085	-298492	SLD 15	-293253	-1865107	0.093	Si
7	15.21	5.4	11.4	5.4	98306	SLD 1	98306	1414287	0.085	-296294	SLD 15	-293984	-1865107	0.093	Si
15	15.21	5.4	11.4	5.4	126499	SLD 1	126499	1414287	0.085	-296655	SLD 15	-296175	-1865107	0.093	Si
20	15.21	5.4	11.4	5.4	146570	SLD 1	252827	1414287	0.085	-298686	SLD 15	-337104	-1865107	0.093	Si
26	15.21	5.4	11.4	5.4	167669	SLD 1	272333	1414287	0.085	-302339	SLD 15	-349429	-1865107	0.093	Si
33	15.21	5.4	11.31	5.4	194771	SLD 1	296438	1403447	0.085	-309960	SLD 15	-367293	-1865070	0.093	Si
40	15.21	5.4	10.82	5.4	221647	SLD 1	319159	1344907	0.084	-320694	SLD 15	-387114	-1865134	0.093	Si
48	15.21	5.4	10.32	5.4	247931	SLD 3	340412	1286377	0.084	-334178	SLD 13	-408807	-1865180	0.093	Si
55	15.21	5.4	9.83	5.4	273231	SLD 3	356013	1227841	0.083	-350017	SLD 13	-427175	-1865274	0.094	Si
62	15.21	5.4	9.34	5.4	297290	SLD 3	356013	1169301	0.083	-367955	SLD 13	-427175	-1865279	0.094	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
70	15.21	5.4	7.6	5.4	319961	SLD 3	356013	963633	0.08	-387846	SLD 13	-427175	-1865528	0.096	Si
77	15.21	5.4	7.6	5.4	341160	SLD 3	356013	963633	0.08	-409605	SLD 13	-427175	-1865528	0.096	Si
83	15.21	5.4	7.6	5.4	356013	SLD 3	356013	963633	0.08	-427175	SLD 13	-427175	-1865528	0.096	Si
88	15.21	5.4	7.6	5.4	370092	SLD 3	369618	963633	0.08	-445640	SLD 13	-443976	-1865528	0.096	Si
95	15.21	5.4	7.6	5.4	387424	SLD 3	383055	963633	0.08	-471883	SLD 13	-460570	-1865528	0.096	Si
103	15.21	5.4	7.6	5.4	403168	SLD 3	391117	963633	0.08	-499878	SLD 13	-470526	-1865528	0.096	Si
110	15.21	5.4	7.6	5.4	417415	SLD 3	393805	963633	0.08	-529506	SLD 13	-473845	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	3557	SLU 26	3557	11113	68363	0	11113	1	Si
7	0	15.21	0	3252	SLU 26	3252	11113	68363	0	11113	1	Si
15	0	15.21	0	2948	SLU 26	2948	11113	68363	0	11113	1	Si
20	0.097	15.21	0	2727	SLU 26	2727	11113	68363	11204	11204	1	Si
26	0.097	15.21	0	2492	SLU 26	2492	11113	68363	11204	11204	1	Si
33	0.097	15.21	0	2188	SLU 26	2188	11113	68363	11204	11204	1	Si
40	0.097	15.21	0	1887	SLU 22	1887	11113	68363	11204	11204	1	Si
48	0.097	15.21	0	1600	SLU 22	1600	11113	68363	11204	11204	1	Si
55	0.097	15.21	0	1313	SLU 22	1313	11113	68363	11204	11204	1	Si
55	0.097	15.21	0	-111	SLU 11	-111	-11113	-68363	-11204	-11204	1	Si
62	0.097	15.21	0	1027	SLU 22	1027	11113	68363	11204	11204	1	Si
62	0.097	15.21	0	-348	SLU 11	-348	-11113	-68363	-11204	-11204	1	Si
70	0.097	15.21	0	740	SLU 22	740	11113	68363	11204	11204	1	Si
70	0.097	15.21	0	-586	SLU 11	-586	-11113	-68363	-11204	-11204	1	Si
77	0.097	15.21	0	453	SLU 22	453	11113	68363	11204	11204	1	Si
77	0.097	15.21	0	-823	SLU 11	-823	-11113	-68363	-11204	-11204	1	Si
83	0.097	15.21	0	238	SLU 22	238	11113	68363	11204	11204	1	Si
83	0.097	15.21	0	-1000	SLU 11	-1000	-11113	-68363	-11204	-11204	1	Si
88	0	15.21	0	23	SLU 22	23	11113	68363	0	11113	1	Si
88	0	15.21	0	-1178	SLU 11	-1178	-11113	-68363	0	-11113	1	Si
95	0	15.21	0	-1415	SLU 11	-1415	-11113	-68363	0	-11113	1	Si
103	0	15.21	0	-1709	SLU 29	-1709	-11113	-68363	0	-11113	1	Si
110	0	15.21	0	-1938	SLU 29	-1938	-11113	-68363	0	-11113	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	9.09	0	9197	SLV 3	11006	9362	68363	0	9362	1	Si
0	0	15.21	0	-4719	SLV 13	-6528	-11113	-68363	0	-11113	1	Si
4	0	7.6	0	9083	SLV 3	10892	8821	68363	0	8821	1	Si
4	0	15.21	0	-4832	SLV 13	-6641	-11113	-68363	0	-11113	1	Si
7	0	7.6	0	8969	SLV 3	10778	8821	68363	0	8821	1	Si
7	0	15.21	0	-4946	SLV 13	-6755	-11113	-68363	0	-11113	1	Si
15	0	7.6	0	8742	SLV 3	10551	8821	68363	0	8821	1	Si
15	0	15.21	0	-5174	SLV 13	-6983	-11113	-68363	0	-11113	1	Si
20	0.097	7.6	0	8576	SLV 3	10385	8821	68363	11204	11204	1	Si
20	0.097	15.21	0	-5340	SLV 13	-7149	-11113	-68363	-11204	-11204	1	Si
26	0.097	7.6	0	8400	SLV 3	10209	8821	68363	11204	11204	1	Si
26	0.097	15.21	0	-5516	SLV 13	-7325	-11113	-68363	-11204	-11204	1	Si
33	0.097	7.6	0	8172	SLV 3	9981	8821	68363	11204	11204	1	Si
33	0.097	15.21	0	-5743	SLV 13	-7552	-11113	-68363	-11204	-11204	1	Si
40	0.097	7.6	0	7944	SLV 3	9754	8821	68363	11204	11204	1	Si
40	0.097	15.21	0	-5971	SLV 13	-7780	-11113	-68363	-11204	-11204	1	Si
48	0.097	7.6	0	7717	SLV 3	9526	8821	68363	11204	11204	1	Si
48	0.097	15.21	0	-6199	SLV 13	-8008	-11113	-68363	-11204	-11204	1	Si
55	0.097	7.6	0	7489	SLV 3	9298	8821	68363	11204	11204	1	Si
55	0.097	15.21	0	-6427	SLV 13	-8236	-11113	-68363	-11204	-11204	1	Si
62	0.097	7.6	0	7261	SLV 3	9070	8821	68363	11204	11204	1	Si
62	0.097	15.21	0	-6654	SLV 13	-8463	-11113	-68363	-11204	-11204	1	Si
70	0.097	7.6	0	7033	SLV 3	8843	8821	68363	11204	11204	1	Si
70	0.097	15.21	0	-6882	SLV 13	-8691	-11113	-68363	-11204	-11204	1	Si
77	0.097	7.6	0	6806	SLV 3	8615	8821	68363	11204	11204	1	Si
77	0.097	15.21	0	-7110	SLV 13	-8919	-11113	-68363	-11204	-11204	1	Si
83	0.097	7.6	0	6635	SLV 3	8444	8821	68363	11204	11204	1	Si
83	0.097	15.21	0	-7281	SLV 13	-9090	-11113	-68363	-11204	-11204	1	Si
88	0	7.6	0	6464	SLV 3	8273	8821	68363	0	8821	1	Si
88	0	15.21	0	-7451	SLV 13	-9261	-11113	-68363	0	-11113	1	Si
95	0	7.6	0	6236	SLV 3	8045	8821	68363	0	8821	1	Si
95	0	15.21	0	-7679	SLV 13	-9488	-11113	-68363	0	-11113	1	Si
103	0	7.6	0	6009	SLV 3	7818	8821	68363	0	8821	1	Si
103	0	15.21	0	-7907	SLV 13	-9716	-11113	-68363	0	-11113	1	Si
110	0	7.6	0	5834	SLV 3	7643	8821	68363	0	8821	1	Si
110	0	15.21	0	-8082	SLV 13	-9891	-11113	-68363	0	-11113	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	9.09	0	5311	SLD 3	5311	9362	68363	0	9362	1	Si
0	0	15.21	0	-832	SLD 13	-832	-11113	-68363	0	-11113	1	Si
4	0	7.6	0	5197	SLD 3	5197	8821	68363	0	8821	1	Si
4	0	15.21	0	-946	SLD 13	-946	-11113	-68363	0	-11113	1	Si
7	0	7.6	0	5083	SLD 3	5083	8821	68363	0	8821	1	Si
7	0	15.21	0	-1060	SLD 13	-1060	-11113	-68363	0	-11113	1	Si
15	0	7.6	0	4855	SLD 3	4855	8821	68363	0	8821	1	Si
15	0	15.21	0	-1288	SLD 13	-1288	-11113	-68363	0	-11113	1	Si
20	0.097	7.6	0	4689	SLD 3	4689	8821	68363	11204	11204	1	Si
20	0.097	15.21	0	-1453	SLD 13	-1453	-11113	-68363	-11204	-11204	1	Si
26	0.097	7.6	0	4513	SLD 3	4513	8821	68363	11204	11204	1	Si
26	0.097	15.21	0	-1629	SLD 13	-1629	-11113	-68363	-11204	-11204	1	Si
33	0.097	7.6	0	4286	SLD 3	4286	8821	68363	11204	11204	1	Si
33	0.097	15.21	0	-1857	SLD 13	-1857	-11113	-68363	-11204	-11204	1	Si
40	0.097	7.6	0	4058	SLD 3	4058	8821	68363	11204	11204	1	Si
40	0.097	15.21	0	-2085	SLD 13	-2085	-11113	-68363	-11204	-11204	1	Si
48	0.097	7.6	0	3830	SLD 3	3830	8821	68363	11204	11204	1	Si
48	0.097	15.21	0	-2312	SLD 13	-2312	-11113	-68363	-11204	-11204	1	Si
55	0.097	7.6	0	3603	SLD 3	3603	8821	68363	11204	11204	1	Si
55	0.097	15.21	0	-2540	SLD 13	-2540	-11113	-68363	-11204	-11204	1	Si
62	0.097	7.6	0	3375	SLD 3	3375	8821	68363	11204	11204	1	Si
62	0.097	15.21	0	-2768	SLD 13	-2768	-11113	-68363	-11204	-11204	1	Si
70	0.097	7.6	0	3147	SLD 3	3147	8821	68363	11204	11204	1	Si
70	0.097	15.21	0	-2996	SLD 13	-2996	-11113	-68363	-11204	-11204	1	Si
77	0.097	7.6	0	2919	SLD 3	2919	8821	68363	11204	11204	1	Si
77	0.097	15.21	0	-3223	SLD 13	-3223	-11113	-68363	-11204	-11204	1	Si
83	0.097	7.6	0	2748	SLD 3	2748	8821	68363	11204	11204	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
83	0.097	15.21	0	-3394	SLD 13	-3394	-11113	-68363	-11204	-11204	1	Si
88	0	7.6	0	2578	SLD 3	2578	8821	68363	0	8821	1	Si
88	0	15.21	0	-3565	SLD 13	-3565	-11113	-68363	0	-11113	1	Si
95	0	7.6	0	2350	SLD 3	2350	8821	68363	0	8821	1	Si
95	0	15.21	0	-3793	SLD 13	-3793	-11113	-68363	0	-11113	1	Si
103	0	7.6	0	2122	SLD 3	2122	8821	68363	0	8821	1	Si
103	0	15.21	0	-4020	SLD 13	-4020	-11113	-68363	0	-11113	1	Si
110	0	7.6	0	1948	SLD 3	1948	8821	68363	0	8821	1	Si
110	0	15.21	0	-4195	SLD 13	-4195	-11113	-68363	0	-11113	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-137961	8	-111485	3.7	124.5	125.8	1837	-131439	1	-105874	3.5	93.4	0	+∞	Si
7	-119383	8	-108796	3.6	124.5	122.7	1837	-113489	1	-103265	3.4	93.4	0	+∞	Si
15	-102561	8	-100729	3.3	124.5	113.6	1837	-97208	1	-95438	3.2	93.4	0	+∞	Si
20	-91483	8	-91483	3	124.5	103.2	1837	-86468	1	-86468	2.9	93.4	0	+∞	Si
26	-80618	8	-91483	3	124.5	103.2	1837	-75918	1	-86468	2.9	93.4	0	+∞	Si
33	-68184	8	-91483	3	124.5	103.2	1837	-63813	1	-86468	2.9	93.4	0	+∞	Si
40	-57505	8	-91483	3.1	124.5	103.3	1837	-53378	1	-86468	2.9	93.4	0	+∞	Si
48	-48580	8	-91483	3.1	124.5	103.3	1837	-44613	1	-86468	2.9	93.4	0	+∞	Si
55	-42432	9	-80156	2.7	124.5	90.6	1837	-38393	2	-75469	2.6	93.4	0	+∞	Si
62	-39777	9	-67785	2.3	124.5	76.6	1837	-35333	2	-63423	2.2	93.4	0	+∞	Si
70	-39036	3	-57168	2	124.5	64.8	1837	-33943	2	-53048	1.9	93.4	0	+∞	Si
77	-40783	3	-48307	1.7	124.5	54.8	1837	-34223	2	-44343	1.6	93.4	0	+∞	Si
83	-43242	3	-43283	1.5	124.5	49.1	1837	-35581	2	-39316	1.4	93.4	0	+∞	Si
88	-46535	3	-45830	1.6	124.5	51.9	1837	-37774	2	-37179	1.3	93.4	0	+∞	Si
95	-52457	3	-48386	1.7	124.5	54.8	1837	-42230	2	-38758	1.4	93.4	0	+∞	Si
103	-60050	3	-49920	1.7	124.5	56.6	1837	-48355	2	-39705	1.4	93.4	0	+∞	Si
110	-69207	3	-50432	1.8	124.5	57.2	1837	-56046	2	-40020	1.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
7	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
15	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
26	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
33	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
40	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
48	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
55	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
62	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
70	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
77	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
83	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
88	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
95	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
103	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1618	8767	11204	SLV 3	0.4	885	1.093	-76058	503075	1414287	SLV 1	0.57	2474	1.666	Si
26	1442	8767	11204	SLV 3	0.4	925	1.113	-38548	702639	1414287	SLV 3	0.57	2474	1.666	Si
33	1214	8767	11204	SLV 3	0.41	979	1.139	-35428	750123	1403447	SLV 3	0.57	2474	1.666	Si
40	987	8767	11204	SLV 3	0.42	1039	1.168	-33978	798264	1344907	SLV 3	0.57	2474	1.666	Si
48	759	8767	11204	SLV 3	0.43	1101	1.196	-34198	846865	1286377	SLV 3	0.55	2256	1.605	Si
55	531	8767	11204	SLV 3	0.44	1166	1.224	-35581	885311	1227841	SLV 3	0.51	1779	1.456	Si
62	303	8767	11204	SLV 3	0.45	1233	1.253	-35581	885311	1169301	SLV 3	0.49	1567	1.382	Si
70	76	8767	11204	SLV 3	0.46	1302	1.281	-35581	885311	963633	SLV 3	0.41	956	1.128	Si
77	-152	-8767	-11204	SLV 13	0.45	1279	1.271	-35581	885311	963633	SLV 3	0.41	956	1.128	Si
83	-323	-8767	-11204	SLV 13	0.45	1227	1.25	-35581	885311	963633	SLV 3	0.41	956	1.128	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1618	3071	11204	SLD 3	0.42	1017	2.912	-76058	222628	1414287	SLD 1	0.6	2474	4.193	Si
26	1442	3071	11204	SLD 3	0.43	1069	2.972	-38548	310881	1414287	SLD 3	0.6	2474	4.193	Si
33	1214	3071	11204	SLD 3	0.44	1137	3.049	-35428	331865	1403447	SLD 3	0.57	2447	4.174	Si
40	987	3071	11204	SLD 3	0.44	1207	3.124	-33978	353137	1344907	SLD 3	0.52	1850	3.722	Si
48	759	3071	11204	SLD 3	0.45	1280	3.2	-34198	374610	1286377	SLD 3	0.47	1407	3.327	Si
55	531	3071	11204	SLD 3	0.46	1355	3.276	-35581	391594	1227841	SLD 3	0.43	1113	3.022	Si
62	303	3071	11204	SLD 3	0.47	1433	3.352	-35581	391594	1169301	SLD 3	0.41	979	2.867	Si
70	76	3071	11204	SLD 3	0.48	1514	3.428	-35581	391594	963633	SLD 3	0.34	620	2.377	Si
77	-152	-3071	-11204	SLD 13	0.48	1486	3.402	-35581	391594	963633	SLD 3	0.34	620	2.377	Si
83	-323	-3071	-11204	SLD 13	0.47	1426	3.345	-35581	391594	963633	SLD 3	0.34	620	2.377	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" 76-30

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 76 - 73, sezione R 40x70, asta 1166

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	116639	SLU 19	116639	1414397	0.086						Si
23	11.4	5.4	11.4	5.4	138934	SLU 19	138934	1414397	0.086						Si
28	11.4	5.4	11.4	5.4	142764	SLU 19	163167	1414397	0.086						Si
46	11.4	5.4	11.4	5.4	156485	SLU 19	171817	1414397	0.086						Si
68	10.52	5.4	11.39	5.4	169291	SLU 19	183211	1412798	0.086						Si
91	9.45	5.4	9.85	5.4	180650	SLU 20	190107	1230348	0.083						Si
103	7.6	5.4	7.6	5.4	185339	SLU 20	191776	962923	0.078						Si
114	7.6	5.4	7.6	5.4	188842	SLU 20	192289	962923	0.078						Si
126	7.6	5.4	7.6	5.4	191158	SLU 20	192289	962923	0.078						Si
148	7.6	5.4	7.6	5.4	192233	SLU 20	192289	962923	0.078						Si
171	7.6	5.4	7.6	5.4	188563	SLU 20	192263	962923	0.078						Si
194	7.6	5.4	7.6	5.4	180149	SLU 20	189890	962923	0.078						Si
217	7.6	5.4	7.6	5.4	166991	SLU 20	182772	962923	0.078						Si
240	7.6	5.4	7.6	5.4	149422	SLU 29	170909	962923	0.078						Si
251	7.6	5.4	7.6	5.4	139643	SLU 29	163199	962923	0.078						Si
274	7.6	5.4	7.6	5.4	116526	SLU 29	144985	962923	0.078						Si
297	7.6	5.4	10.46	5.4	88665	SLU 29	123164	1302412	0.084	10770	SLU 8	-27479	-963291	0.079	Si
322	7.6	5.4	11.4	5.4	55393	SLU 11	92994	1414576	0.086	-27479	SLU 26	-27479	-963377	0.08	Si
342	7.6	5.4	11.4	5.4	31923	SLU 11	31923	1414576	0.086	-66744	SLU 26	-46257	-963377	0.08	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	1329384	SLV 7	1250971	1414397	0.086	-1184482	SLV 9	-1079829	-1414397	0.086	Si
23	11.4	5.4	11.4	5.4	1203063	SLV 7	1199810	1414397	0.086	-1017872	SLV 9	-1014077	-1414397	0.086	Si
28	11.4	5.4	11.4	5.4	1176761	SLV 7	1176761	1414397	0.086	-984454	SLV 9	-984454	-1414397	0.086	Si
46	11.4	5.4	11.4	5.4	1073586	SLV 7	1176761	1414397	0.086	-855404	SLV 9	-984454	-1414397	0.086	Si
68	10.52	5.4	11.39	5.4	940998	SLV 7	1109165	1412798	0.086	-697124	SLV 9	-899495	-1309764	0.084	Si
91	9.45	5.4	9.85	5.4	805341	SLV 7	977424	1230348	0.083	-543074	SLV 9	-740069	-1182050	0.082	Si
103	7.6	5.4	7.6	5.4	736378	SLV 7	910395	962923	0.078	-467652	SLV 9	-661935	-962923	0.078	Si
126	7.6	5.4	7.6	5.4	596248	SLV 7	774051	962923	0.078	-320078	SLV 9	-508854	-962923	0.078	Si
148	7.6	5.4	7.6	5.4	453447	SLV 7	634720	962923	0.078	-177132	SLV 9	-360085	-962923	0.078	Si
171	7.6	5.4	7.6	5.4	318765	SLV 3	492613	962923	0.078	-49604	SLV 13	-215839	-962923	0.078	Si
194	7.6	5.4	7.6	5.4	292555	SLV 1	370168	962923	0.078	-37848	SLV 15	-144649	-962923	0.078	Si
217	7.6	5.4	7.6	5.4	334254	SLV 5	501040	962923	0.078	-101299	SLV 11	-306566	-962923	0.078	Si
240	7.6	5.4	7.6	5.4	465543	SLV 5	629481	962923	0.078	-261639	SLV 11	-473351	-962923	0.078	Si
251	7.6	5.4	7.6	5.4	530523	SLV 5	692535	962923	0.078	-343882	SLV 11	-558314	-962923	0.078	Si
274	7.6	5.4	7.6	5.4	658291	SLV 5	816156	962923	0.078	-511649	SLV 11	-731227	-962923	0.078	Si
297	7.6	5.4	10.46	5.4	782830	SLV 5	918695	1302412	0.084	-683487	SLV 11	-881404	-963291	0.079	Si
322	7.6	5.4	11.4	5.4	918695	SLV 5	918695	1414576	0.086	-881404	SLV 11	-881404	-963377	0.08	Si
342	7.6	5.4	11.4	5.4	1021675	SLV 5	971308	1414576	0.086	-1038827	SLV 11	-959925	-963377	0.08	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	628412	SLD 7	601050	1414397	0.086	-483510	SLD 9	-429909	-1414397	0.086	Si
23	11.4	5.4	11.4	5.4	583769	SLD 7	582483	1414397	0.086	-398578	SLD 9	-396750	-1414397	0.086	Si
28	11.4	5.4	11.4	5.4	574119	SLD 7	574119	1414397	0.086	-381811	SLD 9	-381811	-1414397	0.086	Si
46	11.4	5.4	11.4	5.4	535694	SLD 7	574119	1414397	0.086	-317512	SLD 9	-381811	-1414397	0.086	Si
68	10.52	5.4	11.39	5.4	484206	SLD 7	549059	1412798	0.086	-240332	SLD 9	-339389	-1309764	0.084	Si
91	9.45	5.4	9.85	5.4	429323	SLD 7	498502	1230348	0.083	-167057	SLD 9	-261147	-1182050	0.082	Si
103	7.6	5.4	7.6	5.4	400616	SLD 7	471947	962923	0.078	-131890	SLD 9	-223487	-962923	0.078	Si
126	7.6	5.4	7.6	5.4	340698	SLD 7	416298	962923	0.078	-64529	SLD 9	-151101	-962923	0.078	Si
148	7.6	5.4	7.6	5.4	277559	SLD 7	357291	962923	0.078	-1244	SLD 9	-82656	-962923	0.078	Si
171	7.6	5.4	7.6	5.4	216041	SLD 3	295016	962923	0.078	53120	SLD 13	-18242	-962923	0.078	Si
194	7.6	5.4	7.6	5.4	200408	SLD 1	229955	962923	0.078	54300	SLD 15	-1141	-962923	0.078	Si
217	7.6	5.4	7.6	5.4	212841	SLD 5	275907	962923	0.078	20114	SLD 11	-81433	-962923	0.078	Si
240	7.6	5.4	7.6	5.4	262833	SLD 5	322036	962923	0.078	-58929	SLD 11	-165906	-962923	0.078	Si
251	7.6	5.4	7.6	5.4	286766	SLD 5	343820	962923	0.078	-100125	SLD 11	-209599	-962923	0.078	Si
274	7.6	5.4	7.6	5.4	332135	SLD 5	384761	962923	0.078	-185494	SLD 11	-299833	-962923	0.078	Si
297	7.6	5.4	10.46	5.4	374038	SLD 5	416837	1302412	0.084	-274696	SLD 11	-379546	-963291	0.079	Si
322	7.6	5.4	11.4	5.4	416837	SLD 5	416837	1414576	0.086	-379546	SLD 11	-379546	-963377	0.08	Si
342	7.6	5.4	11.4	5.4	447209	SLD 5	432886	1414576	0.086	-464362	SLD 11	-421502	-963377	0.08	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.39	0	1377	SLU 29	1377	10093	68363	0	10093	1	Si
23	0	9.85	0	1169	SLU 29	1169	9617	68363	0	9617	1	Si
28	0.086	9.85	0	1127	SLU 29	1127	9617	68363	10004	10004	1	Si
46	0.086	7.6	0	962	SLU 29	962	8821	68363	10004	10004	1	Si
68	0.086	7.6	0	754	SLU 29	754	8821	68363	10004	10004	1	Si
91	0.086	7.6	0	546	SLU 29	546	8821	68363	10004	10004	1	Si
103	0.084	7.6	0	442	SLU 29	442	8821	68363	9789	9789	1	Si
126	0.084	7.6	0	271	SLU 11	271	8821	68363	9789	9789	1	Si
126	0.084	7.6	0	-101	SLU 22	-101	-8821	-68363	-9789	-9789	1	Si
148	0.084	7.6	0	111	SLU 11	111	8821	68363	9789	9789	1	Si
148	0.084	7.6	0	-309	SLU 22	-309	-8821	-68363	-9789	-9789	1	Si
171	0.084	7.6	0	-516	SLU 22	-516	-8821	-68363	-9789	-9789	1	Si
194	0.084	7.6	0	-724	SLU 22	-724	-8821	-68363	-9789	-9789	1	Si
217	0.084	7.6	0	-932	SLU 22	-932	-8821	-68363	-9789	-9789	1	Si
240	0.084	7.6	0	-1140	SLU 22	-1140	-8821	-68363	-9789	-9789	1	Si
251	0.084	7.6	0	-1244	SLU 22	-1244	-8821	-68363	-9789	-9789	1	Si
274	0.086	7.6	0	-1451	SLU 22	-1451	-8821	-68363	-10004	-10004	1	Si
297	0.086	7.6	0	-1659	SLU 22	-1659	-8821	-68363	-10004	-10004	1	Si
322	0.086	7.6	0	-1893	SLU 22	-1893	-8821	-68363	-10004	-10004	1	Si
342	0	7.6	0	-2075	SLU 22	-2075	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.52	0	7519	SLV 5	9224	9830	68363	0	9830	1	Si
0	0	11.39	0	-5595	SLV 11	-7299	-10093	-68363	0	-10093	1	Si
23	0	9.45	0	7359	SLV 5	9064	9482	68363	0	9482	1	Si
23	0	9.85	0	-5754	SLV 11	-7459	-9617	-68363	0	-9617	1	Si
28	0.086	9.45	0	7326	SLV 5	9031	9482	68363	10004	10004	1	Si
28	0.086	9.85	0	-5787	SLV 11	-7492	-9617	-68363	-10004	-10004	1	Si
46	0.086	7.6	0	7199	SLV 5	8904	8821	68363	10004	10004	1	Si
46	0.086	7.6	0	-5914	SLV 11	-7619	-8821	-68363	-10004	-10004	1	Si
68	0.086	7.6	0	7039	SLV 5	8744	8821	68363	10004	10004	1	Si
68	0.086	7.6	0	-6074	SLV 11	-7779	-8821	-68363	-10004	-10004	1	Si
91	0.086	7.6	0	6880	SLV 5	8584	8821	68363	10004	10004	1	Si
91	0.086	7.6	0	-6234	SLV 11	-7939	-8821	-68363	-10004	-10004	1	Si
103	0.084	7.6	0	6800	SLV 5	8504	8821	68363	9789	9789	1	Si
103	0.084	7.6	0	-6314	SLV 11	-8018	-8821	-68363	-9789	-9789	1	Si
126	0.084	7.6	0	6640	SLV 5	8345	8821	68363	9789	9789	1	Si
126	0.084	7.6	0	-6474	SLV 11	-8178	-8821	-68363	-9789	-9789	1	Si
148	0.084	7.6	0	6480	SLV 5	8185	8821	68363	9789	9789	1	Si
148	0.084	7.6	0	-6633	SLV 11	-8338	-8821	-68363	-9789	-9789	1	Si
171	0.084	7.6	0	6320	SLV 5	8025	8821	68363	9789	9789	1	Si
171	0.084	7.6	0	-6793	SLV 11	-8498	-8821	-68363	-9789	-9789	1	Si
194	0.084	7.6	0	6160	SLV 5	7865	8821	68363	9789	9789	1	Si
194	0.084	7.6	0	-6953	SLV 11	-8658	-8821	-68363	-9789	-9789	1	Si
217	0.084	7.6	0	6000	SLV 5	7705	8821	68363	9789	9789	1	Si
217	0.084	7.6	0	-7113	SLV 11	-8818	-8821	-68363	-9789	-9789	1	Si
240	0.084	7.6	0	5841	SLV 5	7545	8821	68363	9789	9789	1	Si
240	0.084	7.6	0	-7273	SLV 11	-8977	-8821	-68363	-9789	-9789	1	Si
251	0.084	7.6	0	5761	SLV 5	7465	8821	68363	9789	9789	1	Si
251	0.084	7.6	0	-7353	SLV 11	-9057	-8821	-68363	-9789	-9789	1	Si
274	0.086	7.6	0	5601	SLV 5	7306	8821	68363	10004	10004	1	Si
274	0.086	7.6	0	-7513	SLV 11	-9217	-8821	-68363	-10004	-10004	1	Si
297	0.086	7.6	0	5441	SLV 5	7146	8821	68363	10004	10004	1	Si
297	0.086	7.6	0	-7672	SLV 11	-9377	-8821	-68363	-10004	-10004	1	Si
322	0.086	7.6	0	5261	SLV 5	6966	8821	68363	10004	10004	1	Si
322	0.086	7.6	0	-7852	SLV 11	-9557	-8821	-68363	-10004	-10004	1	Si
342	0	7.6	0	5121	SLV 5	6826	8821	68363	0	8821	1	Si
342	0	7.6	0	-7992	SLV 11	-9697	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.52	0	3862	SLD 5	3862	9830	68363	0	9830	1	Si
0	0	11.39	0	-1938	SLD 11	-1938	-10093	-68363	0	-10093	1	Si
23	0	9.45	0	3703	SLD 5	3703	9482	68363	0	9482	1	Si
23	0	9.85	0	-2098	SLD 11	-2098	-9617	-68363	0	-9617	1	Si
28	0.086	9.45	0	3670	SLD 5	3670	9482	68363	10004	10004	1	Si
28	0.086	9.85	0	-2131	SLD 11	-2131	-9617	-68363	-10004	-10004	1	Si
46	0.086	7.6	0	3543	SLD 5	3543	8821	68363	10004	10004	1	Si
46	0.086	7.6	0	-2258	SLD 11	-2258	-8821	-68363	-10004	-10004	1	Si
68	0.086	7.6	0	3383	SLD 5	3383	8821	68363	10004	10004	1	Si
68	0.086	7.6	0	-2418	SLD 11	-2418	-8821	-68363	-10004	-10004	1	Si
91	0.086	7.6	0	3223	SLD 5	3223	8821	68363	10004	10004	1	Si
91	0.086	7.6	0	-2577	SLD 11	-2577	-8821	-68363	-10004	-10004	1	Si
103	0.084	7.6	0	3143	SLD 5	3143	8821	68363	9789	9789	1	Si
103	0.084	7.6	0	-2657	SLD 11	-2657	-8821	-68363	-9789	-9789	1	Si
126	0.084	7.6	0	2983	SLD 5	2983	8821	68363	9789	9789	1	Si
126	0.084	7.6	0	-2817	SLD 11	-2817	-8821	-68363	-9789	-9789	1	Si
148	0.084	7.6	0	2824	SLD 5	2824	8821	68363	9789	9789	1	Si
148	0.084	7.6	0	-2977	SLD 11	-2977	-8821	-68363	-9789	-9789	1	Si
171	0.084	7.6	0	2664	SLD 5	2664	8821	68363	9789	9789	1	Si
171	0.084	7.6	0	-3137	SLD 11	-3137	-8821	-68363	-9789	-9789	1	Si
194	0.084	7.6	0	2504	SLD 5	2504	8821	68363	9789	9789	1	Si
194	0.084	7.6	0	-3297	SLD 11	-3297	-8821	-68363	-9789	-9789	1	Si
217	0.084	7.6	0	2344	SLD 5	2344	8821	68363	9789	9789	1	Si
217	0.084	7.6	0	-3457	SLD 11	-3457	-8821	-68363	-9789	-9789	1	Si
240	0.084	7.6	0	2184	SLD 5	2184	8821	68363	9789	9789	1	Si
240	0.084	7.6	0	-3616	SLD 11	-3616	-8821	-68363	-9789	-9789	1	Si
251	0.084	7.6	0	2104	SLD 5	2104	8821	68363	9789	9789	1	Si
251	0.084	7.6	0	-3696	SLD 11	-3696	-8821	-68363	-9789	-9789	1	Si
274	0.086	7.6	0	1944	SLD 5	1944	8821	68363	10004	10004	1	Si
274	0.086	7.6	0	-3856	SLD 11	-3856	-8821	-68363	-10004	-10004	1	Si
297	0.086	7.6	0	1785	SLD 5	1785	8821	68363	10004	10004	1	Si
297	0.086	7.6	0	-4016	SLD 11	-4016	-8821	-68363	-10004	-10004	1	Si
322	0.086	7.6	0	1605	SLD 5	1605	8821	68363	10004	10004	1	Si
322	0.086	7.6	0	-4196	SLD 11	-4196	-8821	-68363	-10004	-10004	1	Si
342	0	7.6	0	1465	SLD 5	1465	8821	68363	0	8821	1	Si
342	0	7.6	0	-4336	SLD 11	-4336	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	78930	1	78930	2.9	124.5	117.5	1837	78930	1	78930	2.9	93.4	0	+∞	Si
23	97126	1	97126	3.5	124.5	144.6	1837	97126	1	97126	3.5	93.4	0	+∞	Si
28	100285	1	117310	4.3	124.5	174.6	1837	100285	1	117310	4.3	93.4	0	+∞	Si
46	111672	1	124796	4.6	124.5	185.8	1837	111672	1	124796	4.6	93.4	0	+∞	Si
68	122568	1	134132	5	124.5	200	1837	122568	1	132898	4.9	93.4	0	+∞	Si
91	132013	2	139981	5.5	124.5	240.4	1837	131133	2	137448	5.4	93.4	0	+∞	Si
103	135892	2	141538	3.7	124.5	55.3	1837	134363	2	138354	6.2	93.4	0	+∞	Si
126	140914	2	142286	3.7	124.5	55.6	1837	138085	2	138577	6.2	93.4	0	+∞	Si
148	142286	2	142286	3.7	124.5	55.6	1837	138157	2	138577	6.2	93.4	0	+∞	Si
171	140009	2	142286	3.7	124.5	55.6	1837	134580	2	138387	6.2	93.4	0	+∞	Si
194	134082	2	140880	3.7	124.5	55.1	1837	127354	2	135807	6.1	93.4	0	+∞	Si
217	124505	2	135950	3.5	124.5	53.1	1837	116478	2	129577	5.8	93.4	0	+∞	Si
240	111279	2	127370	3.3	124.5	49.8	1837	101952	2	119698	5.4	93.4	0	+∞	Si
251	103298	2	121712	3.2	124.5	47.6	1837	93321	2	113389	5.1	93.4	0	+∞	Si
274	84598	2	107658	2.8	124.5	42.1	1837	73321	2	98036	4.4	93.4	0	+∞	Si
297	62248	2	89955	3.6	124.5	146.1	1837	49671	2	79033	3.1	93.4	0	+∞	Si
322	32683	2	65715	2.5	124.5	98.2	1837	18645	2	53332	2.1	93.4	0	+∞	Si
322	-15199	8	-15199	0.4	124.5	5.8	1837	-2411	1	-2411	0.1	93.4	0	+∞	Si
342	6600	2	6600	0.3	124.5	9.9	1837								Si
342	-44439	8	-29161	0.7	124.5	11.2	1837	-31340	1	-16218	0.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
23	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
28	0.002	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
46	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
68	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.008	2	9999	Si
91	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si
103	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.011	2	0.01	2	9999	Si
126	0.005	0.004	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
148	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
160	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.012	2	0.012	2	9999	Si
171	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
194	0.006	0.004	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
217	0.005	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
240	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.01	2	0.009	2	9999	Si
251	0.004	0.003	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
274	0.003	0.002	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
297	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
322	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	770	8261	10004	SLV 5	0.4	933	1.117	96154	1080607	1414397	SLV 7	0.44	1172	1.227	Si
46	643	8261	10004	SLV 5	0.41	965	1.133	96154	1080607	1414397	SLV 7	0.44	1172	1.227	Si
68	483	8261	10004	SLV 5	0.42	1008	1.153	104835	1004330	1412798	SLV 7	0.47	1394	1.317	Si
91	323	8261	10004	SLV 5	0.42	1054	1.174	118678	858746	1230348	SLV 7	0.47	1372	1.309	Si
103	243	8261	9789	SLV 5	0.42	1015	1.156	124230	786165	962923	SLV 7	0.39	833	1.066	Si
126	83	8261	9789	SLV 5	0.42	1061	1.178	132599	641452	962923	SLV 7	0.47	1372	1.309	Si
148	-77	-8261	-9789	SLV 11	0.42	1063	1.179	137317	497402	962923	SLV 7	0.57	2474	1.666	Si
171	-237	-8261	-9789	SLV 11	0.42	1017	1.157	138387	354226	962923	SLV 7	0.57	2474	1.666	Si
194	-396	-8261	-9789	SLV 11	0.41	973	1.137	112759	257408	962923	SLV 5	0.57	2474	1.666	Si
217	-556	-8261	-9789	SLV 11	0.4	933	1.117	97237	403803	962923	SLV 5	0.57	2474	1.666	Si
240	-716	-8261	-9789	SLV 11	0.4	894	1.098	78065	551416	962923	SLV 5	0.57	2435	1.656	Si
251	-796	-8261	-9789	SLV 11	0.39	875	1.088	67110	625424	962923	SLV 5	0.51	1797	1.462	Si
274	-956	-8261	-10004	SLV 11	0.4	888	1.095	42464	773692	962923	SLV 5	0.43	1097	1.194	Si
297	-1116	-8261	-10004	SLV 11	0.39	850	1.075	18645	-900050	-963291	SLV 11	0.4	880	1.091	Si
322	-1295	-8261	-10004	SLV 11	0.38	809	1.054	18645	-900050	-963377	SLV 11	0.4	880	1.091	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
28	770	2900	10004	SLD 5	0.43	1073	2.977	96154	477965	1414397	SLD 7	0.37	749	2.569	Si
46	643	2900	10004	SLD 5	0.43	1114	3.023	96154	477965	1414397	SLD 7	0.37	749	2.569	Si
68	483	2900	10004	SLD 5	0.44	1166	3.08	104835	444224	1412798	SLD 7	0.4	879	2.743	Si
91	323	2900	10004	SLD 5	0.45	1218	3.136	118678	379824	1230348	SLD 7	0.39	866	2.727	Si
103	243	2900	9789	SLD 5	0.44	1174	3.089	124230	347717	962923	SLD 7	0.33	541	2.248	Si
126	83	2900	9789	SLD 5	0.45	1226	3.144	132599	283700	962923	SLD 7	0.39	866	2.727	Si
148	-77	-2900	-9789	SLD 11	0.45	1228	3.146	137317	219973	962923	SLD 7	0.5	1663	3.563	Si
171	-237	-2900	-9789	SLD 11	0.44	1175	3.09	138387	156629	962923	SLD 7	0.6	2474	4.193	Si
194	-396	-2900	-9789	SLD 11	0.43	1124	3.034	112759	113900	962923	SLD 5	0.6	2474	4.193	Si
217	-556	-2900	-9789	SLD 11	0.43	1073	2.977	97237	178670	962923	SLD 5	0.6	2474	4.193	Si
240	-716	-2900	-9789	SLD 11	0.42	1023	2.919	78065	243971	962923	SLD 5	0.48	1519	3.433	Si
251	-796	-2900	-9789	SLD 11	0.42	999	2.891	67110	276710	962923	SLD 5	0.43	1123	3.033	Si
274	-956	-2900	-10004	SLD 11	0.42	1016	2.911	42464	342297	962923	SLD 5	0.36	705	2.506	Si
297	-1116	-2900	-10004	SLD 11	0.41	968	2.854	18645	-398191	-963291	SLD 11	0.33	572	2.3	Si
322	-1295	-2900	-10004	SLD 11	0.4	922	2.797	18645	-398191	-963377	SLD 11	0.33	572	2.3	Si

Campata 2 tra i fili 73 - 71, sezione R 40x70, asta 1167

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	715110	SLU 36	665945	1414576	0.086						Si
19	7.6	5.4	11.4	5.4	620128	SLU 36	619967	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	615000	SLU 36	615000	1414576	0.086						Si
38	7.6	5.4	10.98	5.4	521861	SLU 36	615000	1363724	0.085						Si
57	7.6	5.4	9.7	5.4	420310	SLU 36	574329	1211752	0.083						Si
76	7.6	5.4	7.6	5.4	315473	SLU 36	474518	962923	0.078						Si
85	7.6	5.4	7.6	5.4	262652	SLU 35	423381	962923	0.078						Si
104	7.6	5.4	7.6	5.4	156242	SLU 35	318642	962923	0.078	63184	SLU 2	-74371	-962923	0.078	Si
123	7.6	5.4	7.6	5.4	53760	SLU 17	213025	962923	0.078	-21510	SLU 20	-176578	-962923	0.078	Si
142	7.6	5.4	7.6	5.4	-38761	SLU 17	105071	962923	0.078	-121976	SLU 20	-282070	-962923	0.078	Si
161	7.6	5.4	7.6	5.4	-133810	SLU 17	10572	962923	0.078	-225727	SLU 20	-394569	-962923	0.078	Si
180	7.6	5.4	7.6	5.4						-333231	SLU 29	-515892	-962923	0.078	Si
190	7.6	5.4	7.6	5.4						-391051	SLU 29	-579476	-962923	0.078	Si
199	12.9	5.4	7.6	5.4						-450871	SLU 30	-645494	-1591694	0.09	Si
209	14.24	5.4	7.6	5.4						-512165	SLU 30	-712334	-1751061	0.093	Si
228	16.93	5.4	7.6	5.4						-641487	SLU 36	-848478	-2069303	0.101	Si
247	19.01	5.4	7.6	5.4						-775890	SLU 36	-906288	-2315301	0.107	Si
265	19.01	5.4	7.6	5.4						-906288	SLU 36	-906288	-2315301	0.107	Si
266	19.01	5.4	7.6	5.4						-913578	SLU 36	-913429	-2315301	0.107	Si
285	19.01	5.4	7.6	5.4						-1054551	SLU 36	-979529	-2315301	0.107	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	744377	SLV 7	699500	1414576	0.086						Si
19	7.6	5.4	11.4	5.4	656761	SLV 7	656681	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	652055	SLV 7	652055	1414576	0.086						Si
38	7.6	5.4	10.98	5.4	566758	SLV 7	652055	1363724	0.085						Si
57	7.6	5.4	9.7	5.4	474410	SLV 7	614738	1211752	0.083	32583	SLV 9	-38146	-963210	0.079	Si
66	7.6	5.4	7.6	5.4	427376	SLV 7	569475	962923	0.078	10208	SLV 9	-62732	-962923	0.078	Si
76	7.6	5.4	7.6	5.4	379783	SLV 7	523626	962923	0.078	-12873	SLV 9	-88087	-962923	0.078	Si
85	7.6	5.4	7.6	5.4	331646	SLV 7	477197	962923	0.078	-36673	SLV 9	-114251	-962923	0.078	Si
104	7.6	5.4	7.6	5.4	233830	SLV 7	382638	962923	0.078	-86521	SLV 9	-173408	-962923	0.078	Si
123	7.6	5.4	7.6	5.4	134193	SLV 7	285906	962923	0.078	-139602	SLV 9	-246721	-962923	0.078	Si
142	7.6	5.4	7.6	5.4	44237	SLV 3	187191	962923	0.078	-207419	SLV 13	-323808	-962923	0.078	Si
161	7.6	5.4	7.6	5.4	-43613	SLV 3	90145	962923	0.078	-282394	SLV 13	-404192	-962923	0.078	Si
180	7.6	5.4	7.6	5.4	-132264	SLV 3	3106	962923	0.078	-361624	SLV 13	-494321	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
199	12.9	5.4	7.6	5.4						-446596	SLV 15	-588603	-1591694	0.09	Si
209	14.24	5.4	7.6	5.4						-491535	SLV 15	-637454	-1751061	0.093	Si
228	16.93	5.4	7.6	5.4						-585676	SLV 15	-737900	-2069303	0.101	Si
247	19.01	5.4	7.6	5.4						-684212	SLV 15	-783524	-2315301	0.107	Si
265	19.01	5.4	7.6	5.4						-783524	SLV 11	-783524	-2315301	0.107	Si
266	19.01	5.4	7.6	5.4						-789738	SLV 11	-789701	-2315301	0.107	Si
285	19.01	5.4	7.6	5.4						-910590	SLV 11	-846883	-2315301	0.107	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	579016	SLD 7	541217	1414576	0.086						Si
19	7.6	5.4	11.4	5.4	505492	SLD 7	505395	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	501525	SLD 7	501525	1414576	0.086						Si
38	7.6	5.4	10.98	5.4	429502	SLD 7	501525	1363724	0.085						Si
57	7.6	5.4	9.7	5.4	351062	SLD 7	470066	1211752	0.083						Si
76	7.6	5.4	7.6	5.4	270201	SLD 7	392921	962923	0.078						Si
85	7.6	5.4	7.6	5.4	228877	SLD 7	353433	962923	0.078	66096	SLD 9	-31862	-962923	0.078	Si
104	7.6	5.4	7.6	5.4	144482	SLD 7	272645	962923	0.078	2827	SLD 9	-101382	-962923	0.078	Si
123	7.6	5.4	7.6	5.4	57860	SLD 7	189481	962923	0.078	-63270	SLD 9	-178545	-962923	0.078	Si
142	7.6	5.4	7.6	5.4	-25914	SLD 3	104022	962923	0.078	-137267	SLD 13	-258765	-962923	0.078	Si
161	7.6	5.4	7.6	5.4	-110188	SLD 3	17874	962923	0.078	-215820	SLD 13	-341835	-962923	0.078	Si
180	7.6	5.4	7.6	5.4						-297636	SLD 13	-430587	-962923	0.078	Si
190	7.6	5.4	7.6	5.4						-339972	SLD 13	-476146	-962923	0.078	Si
199	12.9	5.4	7.6	5.4						-383373	SLD 15	-522622	-1591694	0.09	Si
209	14.24	5.4	7.6	5.4						-427857	SLD 15	-569931	-1751061	0.093	Si
228	16.93	5.4	7.6	5.4						-519786	SLD 15	-666826	-2069303	0.101	Si
247	19.01	5.4	7.6	5.4						-615086	SLD 15	-708803	-2315301	0.107	Si
265	19.01	5.4	7.6	5.4						-708803	SLD 11	-708803	-2315301	0.107	Si
266	19.01	5.4	7.6	5.4						-714365	SLD 11	-714292	-2315301	0.107	Si
285	19.01	5.4	7.6	5.4						-822318	SLD 11	-765100	-2315301	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-4913	SLU 36	-4913	-8821	-68363	0	-8821	1	Si
19	0	7.6	0	-5085	SLU 36	-5085	-8821	-68363	0	-8821	1	Si
20	0.062	7.6	0	-5095	SLU 36	-5095	-8821	-68363	-7145	-8821	1	Si
38	0.062	7.6	0	-5258	SLU 36	-5258	-8821	-68363	-7145	-8821	1	Si
57	0.062	7.6	0	-5431	SLU 36	-5431	-8821	-68363	-7145	-8821	1	Si
76	0.062	7.6	0	-5604	SLU 36	-5604	-8821	-68363	-7145	-8821	1	Si
85	0.062	7.6	0	-5691	SLU 36	-5691	-8821	-68363	-7145	-8821	1	Si
104	0.062	7.6	0	-5864	SLU 36	-5864	-8821	-68363	-7145	-8821	1	Si
123	0.062	7.6	0	-6036	SLU 36	-6036	-8821	-68363	-7145	-8821	1	Si
142	0.062	7.6	0	-6209	SLU 36	-6209	-8821	-68363	-7145	-8821	1	Si
161	0.062	7.6	0	-6382	SLU 36	-6382	-8821	-68363	-7145	-8821	1	Si
180	0.062	7.6	0	-6555	SLU 36	-6555	-8821	-68363	-7145	-8821	1	Si
199	0.062	7.6	0	-6728	SLU 36	-6728	-8821	-68363	-7145	-8821	1	Si
209	0.062	7.6	0	-6814	SLU 36	-6814	-8821	-68363	-7145	-8821	1	Si
228	0.062	7.6	0	-6987	SLU 36	-6987	-8821	-68363	-7145	-8821	1	Si
247	0.062	7.6	0	-7160	SLU 36	-7160	-8821	-68363	-7145	-8821	1	Si
256	0.062	7.6	0	-7247	SLU 36	-7247	-8821	-68363	-7145	-8821	1	Si
265	0.062	12.9	0	-7324	SLU 36	-7324	-10519	-68363	-7145	-10519	1	Si
266	0	12.9	0	-7333	SLU 36	-7333	-10519	-68363	0	-10519	1	Si
285	0	15.58	0	-7506	SLU 36	-7506	-11204	-68363	0	-11204	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-4604	SLV 7	-4964	-8821	-68363	0	-8821	1	Si
19	0	7.6	0	-4737	SLV 7	-5097	-8821	-68363	0	-8821	1	Si
20	0.062	7.6	0	-4744	SLV 7	-5104	-8821	-68363	-7145	-8821	1	Si
38	0.062	7.6	0	-4870	SLV 7	-5230	-8821	-68363	-7145	-8821	1	Si
57	0.062	7.6	0	-5003	SLV 7	-5363	-8821	-68363	-7145	-8821	1	Si
76	0.062	7.6	0	-5136	SLV 7	-5496	-8821	-68363	-7145	-8821	1	Si
85	0.062	7.6	0	-5203	SLV 7	-5563	-8821	-68363	-7145	-8821	1	Si
104	0.062	7.6	0	-5336	SLV 7	-5696	-8821	-68363	-7145	-8821	1	Si
123	0.062	7.6	0	-5469	SLV 7	-5829	-8821	-68363	-7145	-8821	1	Si
142	0.062	7.6	0	-5602	SLV 7	-5962	-8821	-68363	-7145	-8821	1	Si
161	0.062	7.6	0	-5735	SLV 7	-6095	-8821	-68363	-7145	-8821	1	Si
180	0.062	7.6	0	-5868	SLV 7	-6228	-8821	-68363	-7145	-8821	1	Si
199	0.062	7.6	0	-6001	SLV 7	-6361	-8821	-68363	-7145	-8821	1	Si
209	0.062	7.6	0	-6067	SLV 7	-6427	-8821	-68363	-7145	-8821	1	Si
228	0.062	7.6	0	-6200	SLV 7	-6560	-8821	-68363	-7145	-8821	1	Si
247	0.062	7.6	0	-6333	SLV 7	-6693	-8821	-68363	-7145	-8821	1	Si
256	0.062	7.6	0	-6400	SLV 7	-6760	-8821	-68363	-7145	-8821	1	Si
265	0.062	12.9	0	-6459	SLV 7	-6819	-10519	-68363	-7145	-10519	1	Si
266	0	12.9	0	-6466	SLV 7	-6826	-10519	-68363	0	-10519	1	Si
285	0	15.58	0	-6599	SLV 7	-6959	-11204	-68363	0	-11204	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-3829	SLD 7	-3829	-8821	-68363	0	-8821	1	Si
19	0	7.6	0	-3962	SLD 7	-3962	-8821	-68363	0	-8821	1	Si
20	0.062	7.6	0	-3969	SLD 7	-3969	-8821	-68363	-7145	-8821	1	Si
38	0.062	7.6	0	-4095	SLD 7	-4095	-8821	-68363	-7145	-8821	1	Si
57	0.062	7.6	0	-4228	SLD 7	-4228	-8821	-68363	-7145	-8821	1	Si
76	0.062	7.6	0	-4361	SLD 7	-4361	-8821	-68363	-7145	-8821	1	Si
85	0.062	7.6	0	-4428	SLD 7	-4428	-8821	-68363	-7145	-8821	1	Si
104	0.062	7.6	0	-4561	SLD 7	-4561	-8821	-68363	-7145	-8821	1	Si
123	0.062	7.6	0	-4694	SLD 7	-4694	-8821	-68363	-7145	-8821	1	Si
142	0.062	7.6	0	-4827	SLD 7	-4827	-8821	-68363	-7145	-8821	1	Si
161	0.062	7.6	0	-4960	SLD 7	-4960	-8821	-68363	-7145	-8821	1	Si
180	0.062	7.6	0	-5093	SLD 7	-5093	-8821	-68363	-7145	-8821	1	Si
199	0.062	7.6	0	-5226	SLD 7	-5226	-8821	-68363	-7145	-8821	1	Si
209	0.062	7.6	0	-5292	SLD 7	-5292	-8821	-68363	-7145	-8821	1	Si
228	0.062	7.6	0	-5425	SLD 7	-5425	-8821	-68363	-7145	-8821	1	Si
247	0.062	7.6	0	-5558	SLD 7	-5558	-8821	-68363	-7145	-8821	1	Si
256	0.062	7.6	0	-5625	SLD 7	-5625	-8821	-68363	-7145	-8821	1	Si
265	0.062	12.9	0	-5684	SLD 7	-5684	-10519	-68363	-7145	-10519	1	Si
266	0	12.9	0	-5691	SLD 7	-5691	-10519	-68363	0	-10519	1	Si
285	0	15.58	0	-5824	SLD 7	-5824	-11204	-68363	0	-11204	1	Si

Verifiche delle tensioni in esercizio

x	Rara	Quasi permanente	Verifica

	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	524425	9	488100	18.9	124.5	729.2	1837	448459	2	416221	16.1	93.4	0	+∞	Si
19	454201	9	454081	17.5	124.5	678.4	1837	385999	2	385888	14.9	93.4	0	+∞	Si
20	450405	9	450405	17.4	124.5	672.9	1837	382612	2	382612	14.8	93.4	0	+∞	Si
38	381450	9	450405	17.6	124.5	698.2	1837	321011	2	382612	15	93.4	0	+∞	Si
57	306172	9	420305	17.2	124.5	734.2	1837	253497	2	355751	14.6	93.4	0	+∞	Si
76	228367	9	346366	9	124.5	135.4	1837	183455	2	289576	13	93.4	0	+∞	Si
85	189071	8	308449	8	124.5	120.6	1837	147961	1	255541	11.5	93.4	0	+∞	Si
104	109711	8	230720	6	124.5	90.2	1837	76046	1	185575	8.3	93.4	0	+∞	Si
123	27825	8	152069	4	124.5	59.4	1837	1603	1	114458	5.1	93.4	0	+∞	Si
123	-5577	2	-129270	3.4	124.5	50.5	1837	-2705	2	-124443	5.6	93.4	0	+∞	Si
142	-85740	2	-213300	5.6	124.5	83.4	1837	-81591	2	-207195	9.3	93.4	0	+∞	Si
161	-168431	2	-299857	7.8	124.5	117.2	1837	-163004	2	-292475	13.1	93.4	0	+∞	Si
180	-253649	2	-391021	10.2	124.5	152.8	1837	-246944	2	-380281	17.1	93.4	0	+∞	Si
199	-342180	3	-488042	18.1	124.5	647.8	1837	-333411	2	-470614	17.4	93.4	0	+∞	Si
209	-388221	3	-538038	19.2	124.5	649.4	1837	-377592	2	-516729	18.5	93.4	0	+∞	Si
228	-485045	9	-639925	21.6	124.5	654.6	1837	-467850	2	-610853	20.6	93.4	0	+∞	Si
247	-585593	9	-683209	22.2	124.5	625.6	1837	-560634	2	-650896	21.2	93.4	0	+∞	Si
265	-683209	9	-683209	22.2	124.5	625.6	1837	-650896	2	-650896	21.2	93.4	0	+∞	Si
266	-688668	9	-688557	22.4	124.5	630.5	1837	-655946	2	-655845	21.3	93.4	0	+∞	Si
285	-794270	9	-738054	24	124.5	675.9	1837	-753785	2	-701655	22.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.001	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	1	0.001	1	9999	Si
20	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	1	0.001	1	9999	Si
38	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
57	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	1	0.001	1	9999	Si
76	0.001	0	0.001	0	0	0	0	0	0	0	0	1	0	1	9999	Si
85	0.001	0	0	0	0	0	0	0	0	0	0	1	-0.001	1	9999	Si
104	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
123	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
142	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	1	-0.006	1	9999	Si
161	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si
180	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
199	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si
209	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si
228	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
247	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.008	1	9999	Si
265	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
266	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-3361	-1743	-8821	SLV 7	0.57	2474	1.666	382612	269443	1414576	SLV 7	0.57	2474	1.666	Si
38	-3487	-1743	-8821	SLV 7	0.57	2474	1.666	382612	269443	1363724	SLV 7	0.57	2474	1.666	Si
57	-3620	-1743	-8821	SLV 7	0.57	2474	1.666	355751	258986	1211752	SLV 7	0.57	2474	1.666	Si
76	-3753	-1743	-8821	SLV 7	0.57	2474	1.666	289576	234050	962923	SLV 7	0.57	2474	1.666	Si
85	-3819	-1743	-8821	SLV 7	0.57	2474	1.666	255541	221657	962923	SLV 7	0.57	2474	1.666	Si
104	-3952	-1743	-8821	SLV 7	0.57	2474	1.666	185575	197063	962923	SLV 7	0.57	2474	1.666	Si
123	-4085	-1743	-8821	SLV 7	0.57	2474	1.666	113082	172823	962923	SLV 7	0.57	2474	1.666	Si
142	-4218	-1743	-8821	SLV 7	0.57	2474	1.666	38063	149128	962923	SLV 7	0.57	2474	1.666	Si
161	-4351	-1743	-8821	SLV 7	0.57	2474	1.666	-292475	-111717	-962923	SLV 13	0.57	2474	1.666	Si
180	-4484	-1743	-8821	SLV 7	0.57	2474	1.666	-380281	-114040	-962923	SLV 15	0.57	2474	1.666	Si
199	-4617	-1743	-8821	SLV 7	0.57	2474	1.666	-470614	-117989	-1591694	SLV 15	0.57	2474	1.666	Si
209	-4684	-1743	-8821	SLV 7	0.57	2474	1.666	-516729	-120725	-1751061	SLV 15	0.57	2474	1.666	Si
228	-4817	-1743	-8821	SLV 7	0.57	2474	1.666	-610853	-127047	-2069303	SLV 15	0.57	2474	1.666	Si
247	-4950	-1743	-8821	SLV 7	0.57	2474	1.666	-419716	115465	963795	SLV 1	0.57	2474	1.666	Si
265	-5076	-1743	-10519	SLV 7	0.57	2474	1.666	-650896	132627	963795	SLV 5	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-3361	-608	-8821	SLD 7	0.6	2474	4.193	382612	118914	1414576	SLD 7	0.6	2474	4.193	Si
38	-3487	-608	-8821	SLD 7	0.6	2474	4.193	382612	118914	1363724	SLD 7	0.6	2474	4.193	Si
57	-3620	-608	-8821	SLD 7	0.6	2474	4.193	355751	114314	1211752	SLD 7	0.6	2474	4.193	Si
76	-3753	-608	-8821	SLD 7	0.6	2474	4.193	289576	103345	962923	SLD 7	0.6	2474	4.193	Si
85	-3819	-608	-8821	SLD 7	0.6	2474	4.193	255541	97892	962923	SLD 7	0.6	2474	4.193	Si
104	-3952	-608	-8821	SLD 7	0.6	2474	4.193	185575	87070	962923	SLD 7	0.6	2474	4.193	Si
123	-4085	-608	-8821	SLD 7	0.6	2474	4.193	113082	76399	962923	SLD 7	0.6	2474	4.193	Si
142	-4218	-608	-8821	SLD 7	0.6	2474	4.193	38063	65959	962923	SLD 7	0.6	2474	4.193	Si
161	-4351	-608	-8821	SLD 7	0.6	2474	4.193	-292475	-49360	-962923	SLD 13	0.6	2474	4.193	Si
180	-4484	-608	-8821	SLD 7	0.6	2474	4.193	-380281	-50306	-962923	SLD 15	0.6	2474	4.193	Si
199	-4617	-608	-8821	SLD 7	0.6	2474	4.193	-470614	-52008	-1591694	SLD 15	0.6	2474	4.193	Si
209	-4684	-608	-8821	SLD 7	0.6	2474	4.193	-516729	-53202	-1751061	SLD 15	0.6	2474	4.193	Si
228	-4817	-608	-8821	SLD 7	0.6	2474	4.193	-610853	-55973	-2069303	SLD 15	0.6	2474	4.193	Si
247	-4950	-608	-8821	SLD 7	0.6	2474	4.193	-419716	50914	963795	SLD 1	0.6	2474	4.193	Si
265	-5076	-608	-10519	SLD 7	0.6	2474	4.193	-650896	57907	963795	SLD 5	0.6	2474	4.193	Si

Campata 3 tra i fili 71 - 68, sezione R 40x70, asta 1168

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-914095	SLU 36	-859191	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-806085	SLU 36	-806085	-2315301	0.107	Si
41	19.01	5.4	7.6	5.4						-696547	SLU 36	-806085	-2315301	0.107	Si
62	19.01	5.4	7.6	5.4						-593509	SLU 36	-740821	-2315301	0.107	Si
82	17.96	5.4	7.6	5.4						-494296	SLU 36	-636184	-2191663	0.104	Si
92	16.51	5.4	7.6	5.4						-446123	SLU 36	-585300	-2020164	0.1	Si
113	13.61	5.4	7.6	5.4						-352646	SLU 36	-486400	-1676655	0.092	Si
133	7.6	5.4	7.6	5.4						-262994	SLU 36	-391325	-962923	0.078	Si
154	7.6	5.4	7.6	5.4						-178704	SLU 27	-300073	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	-67141	SLU 11	24386	962923	0.078	-106031	SLU 22	-212646	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	-2421	SLU 18	87260	962923	0.078	-45712	SLU 19	-134560	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	60967	SLU 18	156192	962923	0.078	9625	SLU 19	-70044	-962923	0.078	Si
236	7.6	5.4	7.6	5.4	127906	SLU 36	221301	962923	0.078	54645	SLU 1	-13109	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
246	11.29	5.4	9.39	5.4	161737	SLU 36	252421	1175882	0.082						Si
267	13.23	5.4	10.77	5.4	226532	SLU 36	288920	1339613	0.084						Si
288	15.21	5.4	11.4	5.4	288920	SLU 36	288920	1414287	0.085						Si
308	15.21	5.4	11.4	5.4	344649	SLU 36	317684	1414287	0.085						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4	907891	SLV 7	863433	963795	0.081	-2187990	SLV 9	-2066501	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4	817355	SLV 7	817355	963795	0.081	-1946158	SLV 9	-1946158	-2315301	0.107	Si
41	19.01	5.4	7.6	5.4	719398	SLV 7	817355	963795	0.081	-1695297	SLV 9	-1946158	-2315301	0.107	Si
62	19.01	5.4	7.6	5.4	620919	SLV 7	759691	963795	0.081	-1453544	SLV 9	-1797331	-2315301	0.107	Si
82	17.96	5.4	7.6	5.4	519770	SLV 7	662376	963757	0.081	-1215003	SLV 9	-1554282	-2191663	0.104	Si
92	16.51	5.4	7.6	5.4	468296	SLV 7	612682	963695	0.081	-1097040	SLV 9	-1433927	-2020164	0.1	Si
113	13.61	5.4	7.6	5.4	364337	SLV 7	511333	963541	0.08	-864516	SLV 9	-1195669	-1676655	0.092	Si
133	7.6	5.4	7.6	5.4	267868	SLV 7	407842	962923	0.078	-645364	SLV 9	-961153	-962923	0.078	Si
154	7.6	5.4	7.6	5.4	196629	SLV 11	305940	962923	0.078	-457326	SLV 5	-734109	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	140463	SLV 15	295860	962923	0.078	-290245	SLV 1	-533941	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	239346	SLV 15	465507	962923	0.078	-284096	SLV 1	-371504	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	396005	SLV 13	631042	962923	0.078	-341606	SLV 3	-446234	-962923	0.078	Si
236	7.6	5.4	7.6	5.4	562085	SLV 13	796206	962923	0.078	-414421	SLV 3	-526476	-962923	0.078	Si
246	11.29	5.4	9.39	5.4	644560	SLV 13	901153	1175882	0.082	-452470	SLV 3	-591169	-1401339	0.086	Si
267	13.23	5.4	10.77	5.4	813489	SLV 9	1027599	1339613	0.084	-536959	SLV 7	-670705	-1630481	0.089	Si
288	15.21	5.4	11.4	5.4	1027599	SLV 9	1027599	1414287	0.085	-670705	SLV 7	-670705	-1865107	0.093	Si
308	15.21	5.4	11.4	5.4	1228947	SLV 9	1129218	1414287	0.085	-801189	SLV 7	-735509	-1865107	0.093	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4	44876	SLD 7	44876	963795	0.081	-1324976	SLD 9	-1249748	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4	46995	SLD 7	47030	963795	0.081	-1175799	SLD 9	-1175799	-2315301	0.107	Si
41	19.01	5.4	7.6	5.4	46279	SLD 7	47030	963795	0.081	-1022179	SLD 9	-1175799	-2315301	0.107	Si
62	19.01	5.4	7.6	5.4	42648	SLD 7	46896	963795	0.081	-875273	SLD 9	-1084536	-2315301	0.107	Si
82	17.96	5.4	7.6	5.4	36194	SLD 7	44465	963757	0.081	-731428	SLD 9	-936371	-2191663	0.104	Si
92	16.51	5.4	7.6	5.4	31954	SLD 7	42176	963695	0.081	-660699	SLD 9	-863421	-2020164	0.1	Si
113	13.61	5.4	7.6	5.4	21797	SLD 7	35499	963541	0.08	-521975	SLD 9	-719835	-1676655	0.092	Si
133	7.6	5.4	7.6	5.4	13313	SLD 7	26235	962923	0.078	-390809	SLD 9	-579545	-962923	0.078	Si
154	7.6	5.4	7.6	5.4	14351	SLD 11	49502	962923	0.078	-275048	SLD 5	-444201	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	20410	SLD 15	130160	962923	0.078	-170192	SLD 1	-322388	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	93418	SLD 15	232179	962923	0.078	-138168	SLD 1	-211195	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	190382	SLD 13	330742	962923	0.078	-135983	SLD 3	-149511	-962923	0.078	Si
236	7.6	5.4	7.6	5.4	289874	SLD 13	427425	962923	0.078	-142211	SLD 3	-157695	-962923	0.078	Si
246	11.29	5.4	9.39	5.4	338754	SLD 13	485082	1175882	0.082	-146664	SLD 3	-175098	-1401339	0.086	Si
267	13.23	5.4	10.77	5.4	436967	SLD 9	554107	1339613	0.084	-160438	SLD 7	-197213	-1630481	0.089	Si
288	15.21	5.4	11.4	5.4	554107	SLD 9	554107	1414287	0.085	-197213	SLD 7	-197213	-1865107	0.093	Si
308	15.21	5.4	11.4	5.4	662950	SLD 9	609331	1414287	0.085	-235191	SLD 7	-215622	-1865107	0.093	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	5493	SLU 36	5493	11971	68363	0	11971	1	Si
20	0.129	17.96	0	5311	SLU 36	5311	11747	68363	15005	15005	1	Si
41	0.129	15.06	0	5120	SLU 36	5120	11078	68363	15005	15005	1	Si
62	0.129	12.16	0	4933	SLU 36	4933	10316	68363	15005	15005	1	Si
82	0.129	7.6	0	4746	SLU 36	4746	8821	68363	15005	15005	1	Si
92	0.118	7.6	0	4653	SLU 36	4653	8821	68363	13730	13730	1	Si
113	0.118	7.6	0	4467	SLU 36	4467	8821	68363	13730	13730	1	Si
133	0.118	7.6	0	4280	SLU 36	4280	8821	68363	13730	13730	1	Si
154	0.118	7.6	0	4093	SLU 36	4093	8821	68363	13730	13730	1	Si
174	0.118	7.6	0	3907	SLU 36	3907	8821	68363	13730	13730	1	Si
195	0.118	7.6	0	3720	SLU 36	3720	8821	68363	13730	13730	1	Si
215	0.118	7.6	0	3534	SLU 36	3534	8821	68363	13730	13730	1	Si
236	0.115	7.6	0	3347	SLU 36	3347	8821	68363	13338	13338	1	Si
246	0.115	7.6	0	3254	SLU 36	3254	8821	68363	13338	13338	1	Si
267	0.115	7.6	0	3067	SLU 36	3067	8821	68363	13338	13338	1	Si
288	0.115	7.6	0	2876	SLU 36	2876	8821	68363	13338	13338	1	Si
308	0	9.39	0	2694	SLU 36	2694	9465	68363	0	9465	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	12174	SLV 9	14338	11971	68363	0	11971	1	Si
0	0	7.6	0	-4468	SLV 7	-6631	-8821	-68363	0	-8821	1	Si
20	0.129	17.96	0	12034	SLV 9	14198	11747	68363	15005	15005	1	Si
20	0.129	7.6	0	-4608	SLV 7	-6771	-8821	-68363	-15005	-15005	1	Si
41	0.129	15.06	0	11887	SLV 9	14051	11078	68363	15005	15005	1	Si
41	0.129	7.6	0	-4755	SLV 7	-6918	-8821	-68363	-15005	-15005	1	Si
62	0.129	12.16	0	11744	SLV 9	13907	10316	68363	15005	15005	1	Si
62	0.129	7.6	0	-4898	SLV 7	-7062	-8821	-68363	-15005	-15005	1	Si
82	0.129	7.6	0	11600	SLV 9	13764	8821	68363	15005	15005	1	Si
82	0.129	7.6	0	-5042	SLV 7	-7205	-8821	-68363	-15005	-15005	1	Si
92	0.118	7.6	0	11529	SLV 9	13692	8821	68363	13730	13730	1	Si
92	0.118	7.6	0	-5114	SLV 7	-7277	-8821	-68363	-13730	-13730	1	Si
113	0.118	7.6	0	11385	SLV 9	13549	8821	68363	13730	13730	1	Si
113	0.118	7.6	0	-5257	SLV 7	-7421	-8821	-68363	-13730	-13730	1	Si
133	0.118	7.6	0	11242	SLV 9	13405	8821	68363	13730	13730	1	Si
133	0.118	7.6	0	-5401	SLV 7	-7564	-8821	-68363	-13730	-13730	1	Si
154	0.118	7.6	0	11098	SLV 9	13262	8821	68363	13730	13730	1	Si
154	0.118	7.6	0	-5544	SLV 7	-7708	-8821	-68363	-13730	-13730	1	Si
174	0.118	7.6	0	10955	SLV 9	13118	8821	68363	13730	13730	1	Si
174	0.118	7.6	0	-5688	SLV 7	-7851	-8821	-68363	-13730	-13730	1	Si
195	0.118	7.6	0	10811	SLV 9	12975	8821	68363	13730	13730	1	Si
195	0.118	7.6	0	-5831	SLV 7	-7995	-8821	-68363	-13730	-13730	1	Si
215	0.118	7.6	0	10668	SLV 9	12831	8821	68363	13730	13730	1	Si
215	0.118	7.6	0	-5975	SLV 7	-8138	-8821	-68363	-13730	-13730	1	Si
236	0.115	7.6	0	10524	SLV 9	12688	8821	68363	13338	13338	1	Si
236	0.115	7.6	0	-6118	SLV 7	-8282	-8821	-68363	-13338	-13338	1	Si
246	0.115	7.6	0	10452	SLV 9	12616	8821	68363	13338	13338	1	Si
246	0.115	7.6	0	-6190	SLV 7	-8353	-8821	-68363	-13338	-13338	1	Si
267	0.115	7.6	0	10309	SLV 9	12472	8821	68363	13338	13338	1	Si
267	0.115	7.6	0	-6333	SLV 7	-8497	-8821	-68363	-13338	-13338	1	Si
288	0.115	7.6	0	10162	SLV 9	12325	8821	68363	13338	13338	1	Si
288	0.115	7.6	0	-6480	SLV 7	-8644	-8821	-68363	-13338	-13338	1	Si
297	0	7.6	0	10094	SLV 9	12257	8821	68363	0	8821	1	Si
297	0	7.6	0	-6549	SLV 7	-8712	-8821	-68363	0	-8821	1	Si
308	0	9.39	0	10022	SLV 9	12185	9465	68363	0	9465	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
308	0	11.29	0	-6620	SLV 7	-8784	-10064	-68363	0	-10064	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	7535	SLD 9	7535	11971	68363	0	11971	1	Si
20	0.129	17.96	0	7395	SLD 9	7395	11747	68363	15005	15005	1	Si
41	0.129	15.06	0	7248	SLD 9	7248	11078	68363	15005	15005	1	Si
41	0.129	7.6	0	-115	SLD 7	-115	-8821	-68363	-15005	-15005	1	Si
62	0.129	12.16	0	7104	SLD 9	7104	10316	68363	15005	15005	1	Si
62	0.129	7.6	0	-259	SLD 7	-259	-8821	-68363	-15005	-15005	1	Si
82	0.129	7.6	0	6961	SLD 9	6961	8821	68363	15005	15005	1	Si
82	0.129	7.6	0	-402	SLD 7	-402	-8821	-68363	-15005	-15005	1	Si
92	0.118	7.6	0	6889	SLD 9	6889	8821	68363	13730	13730	1	Si
92	0.118	7.6	0	-474	SLD 7	-474	-8821	-68363	-13730	-13730	1	Si
113	0.118	7.6	0	6746	SLD 9	6746	8821	68363	13730	13730	1	Si
113	0.118	7.6	0	-618	SLD 7	-618	-8821	-68363	-13730	-13730	1	Si
133	0.118	7.6	0	6602	SLD 9	6602	8821	68363	13730	13730	1	Si
133	0.118	7.6	0	-761	SLD 7	-761	-8821	-68363	-13730	-13730	1	Si
154	0.118	7.6	0	6459	SLD 9	6459	8821	68363	13730	13730	1	Si
154	0.118	7.6	0	-905	SLD 7	-905	-8821	-68363	-13730	-13730	1	Si
174	0.118	7.6	0	6315	SLD 9	6315	8821	68363	13730	13730	1	Si
174	0.118	7.6	0	-1048	SLD 7	-1048	-8821	-68363	-13730	-13730	1	Si
195	0.118	7.6	0	6172	SLD 9	6172	8821	68363	13730	13730	1	Si
195	0.118	7.6	0	-1192	SLD 7	-1192	-8821	-68363	-13730	-13730	1	Si
215	0.118	7.6	0	6028	SLD 9	6028	8821	68363	13730	13730	1	Si
215	0.118	7.6	0	-1335	SLD 7	-1335	-8821	-68363	-13730	-13730	1	Si
236	0.115	7.6	0	5885	SLD 9	5885	8821	68363	13338	13338	1	Si
236	0.115	7.6	0	-1479	SLD 7	-1479	-8821	-68363	-13338	-13338	1	Si
246	0.115	7.6	0	5813	SLD 9	5813	8821	68363	13338	13338	1	Si
246	0.115	7.6	0	-1550	SLD 7	-1550	-8821	-68363	-13338	-13338	1	Si
267	0.115	7.6	0	5669	SLD 9	5669	8821	68363	13338	13338	1	Si
267	0.115	7.6	0	-1694	SLD 7	-1694	-8821	-68363	-13338	-13338	1	Si
288	0.115	7.6	0	5522	SLD 9	5522	8821	68363	13338	13338	1	Si
288	0.115	7.6	0	-1841	SLD 7	-1841	-8821	-68363	-13338	-13338	1	Si
308	0	9.39	0	5382	SLD 9	5382	9465	68363	0	9465	1	Si
308	0	11.29	0	-1981	SLD 7	-1981	-10064	-68363	0	-10064	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-681737	9	-640846	20.8	124.5	586.8	1837	-640050	2	-601534	19.6	93.4	0	+∞	Si
20	-601337	9	-601337	19.5	124.5	550.7	1837	-564402	2	-564402	18.3	93.4	0	+∞	Si
41	-519896	9	-601337	19.5	124.5	550.7	1837	-487950	2	-564402	18.3	93.4	0	+∞	Si
62	-443388	9	-552802	18	124.5	506.2	1837	-416312	2	-518820	16.9	93.4	0	+∞	Si
82	-369822	9	-475065	15.7	124.5	459.2	1837	-347617	2	-445953	14.8	93.4	0	+∞	Si
92	-334142	9	-437299	14.9	124.5	458.1	1837	-314372	2	-410622	14	93.4	0	+∞	Si
113	-264988	9	-363974	13.2	124.5	458.7	1837	-250089	2	-342168	12.4	93.4	0	+∞	Si
133	-198777	9	-293591	7.7	124.5	114.8	1837	-188748	2	-276655	12.4	93.4	0	+∞	Si
154	-135507	9	-226149	5.9	124.5	88.4	1837	-130349	2	-214084	9.6	93.4	0	+∞	Si
174	-76842	4	-161649	4.2	124.5	63.2	1837	-76070	1	-154455	6.9	93.4	0	+∞	Si
195	-26806	1	-100091	2.6	124.5	39.1	1837	-26806	1	-97767	4.4	93.4	0	+∞	Si
215	36653	9	108764	2.8	124.5	42.5	1837	27199	2	92404	4.1	93.4	0	+∞	Si
236	88156	9	156096	4.1	124.5	61	1837	73832	2	134865	6	93.4	0	+∞	Si
246	112804	9	178658	7	124.5	320.9	1837	96045	2	154992	6.1	93.4	0	+∞	Si
267	159895	9	205066	7.4	124.5	322.1	1837	138265	2	178447	6.5	93.4	0	+∞	Si
288	205066	9	205066	7.1	124.5	304.4	1837	178447	2	178447	6.2	93.4	0	+∞	Si
308	245250	9	225850	7.8	124.5	335.2	1837	213879	2	196855	6.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
41	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
62	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
82	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
92	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
103	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
113	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
133	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.013	1	9999	Si
154	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
174	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si
195	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	2	-0.008	2	9999	Si
215	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	2	-0.006	2	9999	Si
236	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
246	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
267	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
288	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	3713	10485	15005	SLV 9	0.39	853	1.077	-564402	1381757	963795	SLV 7	0.4	910	1.106	Si
41	3566	10485	15005	SLV 9	0.4	880	1.091	-564402	1381757	963795	SLV 7	0.4	910	1.106	Si
62	3423	10485	15005	SLV 9	0.4	907	1.104	-518820	1278511	963795	SLV 7	0.42	1025	1.161	Si
82	3279	10485	15005	SLV 9	0.41	935	1.118	-445953	1108329	963757	SLV 7	0.46	1309	1.284	Si
92	3208	10485	13730	SLV 9	0.37	718	1.003	-410622	1023305	963695	SLV 7	0.48	1513	1.362	Si
113	3064	10485	13730	SLV 9	0.37	742	1.017	-342168	853501	963541	SLV 7	0.54	2143	1.571	Si
133	2921	10485	13730	SLV 9	0.37	766	1.03	-276655	-684497	-962923	SLV 9	0.36	716	1.002	Si
154	2777	10485	13730	SLV 9	0.38	792	1.045	-214084	-520025	-962923	SLV 9	0.51	1823	1.47	Si
174	2634	10485	13730	SLV 9	0.38	817	1.058	-154455	-379486	-962923	SLV 5	0.57	2474	1.666	Si
195	2490	10485	13730	SLV 9	0.39	843	1.072	47001	418506	962923	SLV 13	0.57	2474	1.666	Si
215	2347	10485	13730	SLV 9	0.39	870	1.086	92404	538638	962923	SLV 13	0.57	2474	1.666	Si
236	2203	10485	13338	SLV 9	0.39	824	1.062	134865	661341	962923	SLV 9	0.45	1256	1.262	Si
246	2131	10485	13338	SLV 9	0.39	837	1.069	154992	746161	1175882	SLV 9	0.49	1590	1.39	Si
267	1988	10485	13338	SLV 9	0.39	863	1.082	178447	849152	1339613	SLV 9	0.49	1587	1.389	Si
288	1841	10485	13338	SLV 9	0.4	891	1.096	178447	849152	1414287	SLV 9	0.52	1875	1.487	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	3713	3682	15005	SLD 9	0.41	971	2.857	-564402	611397	963795	SLD 7	0.34	590	2.33	Si
41	3566	3682	15005	SLD 9	0.42	1004	2.897	-562529	609559	963795	SLD 7	0.34	593	2.334	Si
62	3423	3682	15005	SLD 9	0.42	1040	2.939	-518820	565716	963795	SLD 7	0.35	661	2.441	Si
82	3279	3682	15005	SLD 9	0.43	1074	2.978	-445953	490418	963757	SLD 7	0.39	828	2.677	Si
92	3208	3682	13730	SLD 9	0.38	817	2.662	-410622	452798	963695	SLD 7	0.41	946	2.827	Si
113	3064	3682	13730	SLD 9	0.39	844	2.698	-342168	377667	963541	SLD 7	0.46	1337	3.258	Si
133	2921	3682	13730	SLD 9	0.39	873	2.736	-276655	-302890	-962923	SLD 9	0.31	468	2.118	Si
154	2777	3682	13730	SLD 9	0.4	901	2.771	-214084	-230116	-962923	SLD 9	0.44	1139	3.051	Si
174	2634	3682	13730	SLD 9	0.4	930	2.807	-154455	-167933	-962923	SLD 5	0.6	2474	4.193	Si
195	2490	3682	13730	SLD 9	0.41	960	2.844	47001	185177	962923	SLD 13	0.6	2474	4.193	Si
215	2347	3682	13730	SLD 9	0.41	992	2.883	92404	238338	962923	SLD 13	0.49	1547	3.459	Si
236	2203	3682	13338	SLD 9	0.41	938	2.817	134865	292560	962923	SLD 9	0.38	798	2.637	Si
246	2131	3682	13338	SLD 9	0.41	953	2.836	154992	330090	1175882	SLD 9	0.41	993	2.884	Si
267	1988	3682	13338	SLD 9	0.41	984	2.873	178447	375660	1339613	SLD 9	0.41	991	2.881	Si
288	1841	3682	13338	SLD 9	0.42	1018	2.913	178447	375660	1414287	SLD 9	0.44	1172	3.087	Si

Campata 4 tra i fili 68 - 65, sezione R 40x70, asta 1169

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	435548	SLU 36	434651	1414287	0.085						Si
18	15.21	5.4	11.4	5.4	432575	SLU 36	432502	1414287	0.085						Si
20	15.21	5.4	11.4	5.4	431998	SLU 36	431998	1414287	0.085						Si
36	13.7	5.4	11.4	5.4	426653	SLU 36	431998	1414335	0.085						Si
54	12	5.4	11.4	5.4	417782	SLU 36	430578	1414375	0.086						Si
63	11.15	5.4	10.9	5.4	412242	SLU 36	427418	1354862	0.085						Si
81	7.6	5.4	9.69	5.4	398949	SLU 36	418887	1210990	0.083						Si
90	7.6	5.4	7.6	5.4	391197	SLU 36	413516	962923	0.078						Si
99	7.6	5.4	7.6	5.4	382708	SLU 36	407408	962923	0.078						Si
117	7.6	5.4	7.6	5.4	363518	SLU 36	392980	962923	0.078						Si
135	7.6	5.4	10.57	5.4	341380	SLU 36	375603	1314974	0.084						Si
153	7.6	5.4	7.6	5.4	316293	SLU 36	355279	962923	0.078						Si
171	7.6	5.4	7.6	5.4	288259	SLU 36	332005	962923	0.078						Si
189	7.6	5.4	7.6	5.4	258622	SLU 30	305784	962923	0.078						Si
198	7.6	5.4	7.6	5.4	243424	SLU 30	291567	962923	0.078						Si
216	7.6	5.4	9.9	5.4	210817	SLU 30	261948	1235752	0.083						Si
234	7.6	5.4	11.11	5.4	175261	SLU 30	231154	1379719	0.086						Si
250	7.6	5.4	11.4	5.4	142006	SLU 29	201280	1414576	0.086						Si
252	7.6	5.4	11.4	5.4	137779	SLU 29	137779	1414576	0.086						Si
270	7.6	5.4	11.4	5.4	97528	SLU 29	97528	1414576	0.086						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	1365295	SLV 11	1299229	1414287	0.085	-810697	SLV 5	-741992	-1865107	0.093	Si
18	15.21	5.4	11.4	5.4	1243684	SLV 11	1243149	1414287	0.085	-686429	SLV 5	-685965	-1865107	0.093	Si
20	15.21	5.4	11.4	5.4	1229995	SLV 11	1229995	1414287	0.085	-672823	SLV 5	-672823	-1865107	0.093	Si
36	13.7	5.4	11.4	5.4	1119962	SLV 11	1229995	1414335	0.085	-564586	SLV 5	-672823	-1686302	0.09	Si
54	12	5.4	11.4	5.4	994186	SLV 11	1196252	1414375	0.086	-445226	SLV 5	-639284	-1485123	0.087	Si
63	11.15	5.4	10.9	5.4	930558	SLV 11	1134250	1354862	0.085	-386506	SLV 5	-578528	-1384505	0.085	Si
81	7.6	5.4	9.69	5.4	802150	SLV 15	1008708	1210990	0.083	-271317	SLV 1	-458880	-963209	0.079	Si
90	7.6	5.4	7.6	5.4	776069	SLV 15	945192	962923	0.078	-253547	SLV 1	-400012	-962923	0.078	Si
99	7.6	5.4	7.6	5.4	749582	SLV 15	881206	962923	0.078	-236505	SLV 1	-341807	-962923	0.078	Si
117	7.6	5.4	7.6	5.4	695736	SLV 15	782068	962923	0.078	-204950	SLV 1	-257634	-962923	0.078	Si
135	7.6	5.4	10.57	5.4	644033	SLV 15	728925	1314974	0.084	-180075	SLV 1	-223994	-963301	0.079	Si
153	7.6	5.4	7.6	5.4	626826	SLV 13	675107	962923	0.078	-194231	SLV 3	-268069	-962923	0.078	Si
171	7.6	5.4	7.6	5.4	634884	SLV 13	666411	962923	0.078	-238189	SLV 3	-337372	-962923	0.078	Si
189	7.6	5.4	7.6	5.4	643587	SLV 13	760262	962923	0.078	-287327	SLV 3	-478984	-962923	0.078	Si
198	7.6	5.4	7.6	5.4	655551	SLV 9	806546	962923	0.078	-321210	SLV 7	-550850	-962923	0.078	Si
216	7.6	5.4	9.9	5.4	749592	SLV 9	897697	1235752	0.083	-462490	SLV 7	-696566	-963233	0.079	Si
234	7.6	5.4	11.11	5.4	841911	SLV 9	922323	1379719	0.086	-606584	SLV 7	-736924	-963352	0.079	Si
250	7.6	5.4	11.4	5.4	922323	SLV 9	922323	1414576	0.086	-736924	SLV 7	-736924	-963377	0.08	Si
252	7.6	5.4	11.4	5.4	932313	SLV 9	931528	1414576	0.086	-753297	SLV 7	-752260	-963377	0.08	Si
270	7.6	5.4	11.4	5.4	1020716	SLV 9	970770	1414576	0.086	-902548	SLV 7	-817636	-963377	0.08	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	758625	SLD 11	730135	1414287	0.085	-204027	SLD 5	-172899	-1865107	0.093	Si
18	15.21	5.4	11.4	5.4	705569	SLD 11	705313	1414287	0.085	-148314	SLD 5	-148128	-1865107	0.093	Si
20	15.21	5.4	11.4	5.4	699491	SLD 11	699491	1414287	0.085	-142318	SLD 5	-142318	-1865107	0.093	Si
36	13.7	5.4	11.4	5.4	650315	SLD 11	699491	1414335	0.085	-94939	SLD 5	-142318	-1686302	0.09	Si
54	12	5.4	11.4	5.4	592887	SLD 11	684507	1414375	0.086	-43926	SLD 5	-127539	-1485123	0.087	Si
63	11.15	5.4	10.9	5.4	563371	SLD 11	656732	1354862	0.085	-19320	SLD 5	-101010	-1384505	0.085	Si
81	7.6	5.4	9.69	5.4	502921	SLD 15	599553	1210990	0.083	27912	SLD 1	-49724	-963209	0.079	Si
90	7.6	5.4	7.6	5.4	489066	SLD 15	570160	962923	0.078	33456	SLD 1	-24979	-962923	0.078	Si
99	7.6	5.4	7.6	5.4	474716	SLD 15	540242	962923	0.078	38361	SLD 1	-843	-962923	0.078	Si
117	7.6	5.4	7.6	5.4	444680	SLD 15	492253	962923	0.078						Si
135	7.6	5.4	10.57	5.4	414328	SLD 15	463306	1314974	0.084						Si
153	7.6	5.4	7.6	5.4	397965	SLD 13	432796	962923	0.078	34630	SLD 3	-14852	-962923	0.078	Si
171	7.6	5.4	7.6	5.4	391518	SLD 13	405689	962923	0.078	5177	SLD 3	-57508	-962923	0.078	Si
189	7.6	5.4	7.6	5.4	384093	SLD 13	414747	962923	0.078	-27833	SLD 3	-133469	-962923	0.078	Si
198	7.6	5.4	7.6	5.4	383222	SLD 9	428089	962923	0.078	-48880	SLD 7	-172392	-962923	0.078	Si
216	7.6	5.4	9.9	5.4	411651	SLD 9	453197	1235752	0.083	-124549	SLD 7	-252065	-963233	0.079	Si
234	7.6	5.4	11.11	5.4	438053	SLD 9	459703	1379719	0.086	-202726	SLD 7	-274305	-963352	0.079	Si
250	7.6	5.4	11.4	5.4	459703	SLD 9	459703	1414576	0.086	-274305	SLD 7	-274305	-963377	0.08	Si
252	7.6	5.4	11.4	5.4	462343	SLD 9	462066	1414576	0.086	-283327	SLD 7	-282798	-963377	0.08	Si
270	7.6	5.4	11.4	5.4	484484	SLD 9	472139	1414576	0.086	-366316	SLD 7	-319005	-963377	0.08	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.9	0	279	SLU 20	279	9947	68363	0	9947	1	Si
0	0	10.9	0	-186	SLU 17	-186	-9947	-68363	0	-9947	1	Si
18	0	9.69	0	116	SLU 20	116	9563	68363	0	9563	1	Si
18	0	9.69	0	-312	SLU 17	-312	-9563	-68363	0	-9563	1	Si
20	0.086	9.69	0	97	SLU 20	97	9563	68363	10004	10004	1	Si
20	0.086	9.69	0	-326	SLU 17	-326	-9563	-68363	-10004	-10004	1	Si
36	0.086	7.6	0	-438	SLU 17	-438	-8821	-68363	-10004	-10004	1	Si
54	0.086	7.6	0	-576	SLU 35	-576	-8821	-68363	-10004	-10004	1	Si
63	0.086	10.57	0	-658	SLU 35	-658	-9843	-68363	-10004	-10004	1	Si
81	0.086	10.57	0	-822	SLU 35	-822	-9843	-68363	-10004	-10004	1	Si
99	0.089	7.6	0	-986	SLU 35	-986	-8821	-68363	-10374	-10374	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
117	0.089	7.6	0	-1150	SLU 35	-1150	-8821	-68363	-10374	-10374	1	Si
135	0.089	7.6	0	-1314	SLU 35	-1314	-8821	-68363	-10374	-10374	1	Si
153	0.089	7.6	0	-1477	SLU 35	-1477	-8821	-68363	-10374	-10374	1	Si
171	0.089	7.6	0	-1641	SLU 35	-1641	-8821	-68363	-10374	-10374	1	Si
189	0.101	10.57	0	-1805	SLU 35	-1805	-9843	-68363	-11671	-11671	1	Si
198	0.101	10.57	0	-1887	SLU 35	-1887	-9843	-68363	-11671	-11671	1	Si
216	0.101	7.6	0	-2051	SLU 35	-2051	-8821	-68363	-11671	-11671	1	Si
234	0.101	7.6	0	-2214	SLU 35	-2214	-8821	-68363	-11671	-11671	1	Si
250	0.101	7.6	0	-2360	SLU 35	-2360	-8821	-68363	-11671	-11671	1	Si
252	0	7.6	0	-2378	SLU 35	-2378	-8821	-68363	0	-8821	1	Si
261	0	7.6	0	-2460	SLU 35	-2460	-8821	-68363	0	-8821	1	Si
270	0	9.29	0	-2542	SLU 35	-2542	-9431	-68363	0	-9431	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.15	0	7057	SLV 5	8856	10022	68363	0	10022	1	Si
0	0	10.9	0	-6783	SLV 11	-8583	-9947	-68363	0	-9947	1	Si
18	0	7.6	0	6931	SLV 5	8730	8821	68363	0	8821	1	Si
18	0	9.69	0	-6909	SLV 11	-8709	-9563	-68363	0	-9563	1	Si
20	0.086	7.6	0	6917	SLV 5	8716	8821	68363	10004	10004	1	Si
20	0.086	9.69	0	-6923	SLV 11	-8723	-9563	-68363	-10004	-10004	1	Si
36	0.086	7.6	0	6805	SLV 5	8604	8821	68363	10004	10004	1	Si
36	0.086	7.6	0	-7035	SLV 11	-8835	-8821	-68363	-10004	-10004	1	Si
54	0.086	7.6	0	6679	SLV 5	8478	8821	68363	10004	10004	1	Si
54	0.086	7.6	0	-7161	SLV 11	-8961	-8821	-68363	-10004	-10004	1	Si
63	0.086	7.6	0	6616	SLV 5	8415	8821	68363	10004	10004	1	Si
63	0.086	10.57	0	-7224	SLV 11	-9024	-9843	-68363	-10004	-10004	1	Si
81	0.086	7.6	0	6490	SLV 5	8289	8821	68363	10004	10004	1	Si
81	0.086	10.57	0	-7350	SLV 11	-9150	-9843	-68363	-10004	-10004	1	Si
99	0.089	7.6	0	6364	SLV 5	8163	8821	68363	10374	10374	1	Si
99	0.089	7.6	0	-7476	SLV 11	-9276	-8821	-68363	-10374	-10374	1	Si
117	0.089	7.6	0	6238	SLV 5	8037	8821	68363	10374	10374	1	Si
117	0.089	7.6	0	-7602	SLV 11	-9402	-8821	-68363	-10374	-10374	1	Si
135	0.089	7.6	0	6112	SLV 5	7911	8821	68363	10374	10374	1	Si
135	0.089	7.6	0	-7728	SLV 11	-9528	-8821	-68363	-10374	-10374	1	Si
153	0.089	7.6	0	5986	SLV 5	7785	8821	68363	10374	10374	1	Si
153	0.089	7.6	0	-7854	SLV 11	-9654	-8821	-68363	-10374	-10374	1	Si
171	0.089	7.6	0	5860	SLV 5	7659	8821	68363	10374	10374	1	Si
171	0.089	7.6	0	-7980	SLV 11	-9780	-8821	-68363	-10374	-10374	1	Si
189	0.101	10.57	0	5734	SLV 5	7533	9843	68363	11671	11671	1	Si
189	0.101	7.6	0	-8106	SLV 11	-9906	-8821	-68363	-11671	-11671	1	Si
198	0.101	10.57	0	5671	SLV 5	7470	9843	68363	11671	11671	1	Si
198	0.101	7.6	0	-8169	SLV 11	-9969	-8821	-68363	-11671	-11671	1	Si
216	0.101	7.6	0	5545	SLV 5	7344	8821	68363	11671	11671	1	Si
216	0.101	7.6	0	-8295	SLV 11	-10095	-8821	-68363	-11671	-11671	1	Si
234	0.101	7.6	0	5419	SLV 5	7218	8821	68363	11671	11671	1	Si
234	0.101	7.6	0	-8421	SLV 11	-10221	-8821	-68363	-11671	-11671	1	Si
250	0.101	7.6	0	5307	SLV 5	7106	8821	68363	11671	11671	1	Si
250	0.101	7.6	0	-8533	SLV 11	-10333	-8821	-68363	-11671	-11671	1	Si
252	0	7.6	0	5293	SLV 5	7092	8821	68363	0	8821	1	Si
252	0	7.6	0	-8547	SLV 11	-10347	-8821	-68363	0	-8821	1	Si
270	0	9.29	0	5167	SLV 5	6966	9431	68363	0	9431	1	Si
270	0	7.6	0	-8673	SLV 11	-10473	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.15	0	3198	SLD 5	3198	10022	68363	0	10022	1	Si
0	0	10.9	0	-2924	SLD 11	-2924	-9947	-68363	0	-9947	1	Si
18	0	7.6	0	3072	SLD 5	3072	8821	68363	0	8821	1	Si
18	0	9.69	0	-3050	SLD 11	-3050	-9563	-68363	0	-9563	1	Si
20	0.086	7.6	0	3058	SLD 5	3058	8821	68363	10004	10004	1	Si
20	0.086	9.69	0	-3064	SLD 11	-3064	-9563	-68363	-10004	-10004	1	Si
36	0.086	7.6	0	2946	SLD 5	2946	8821	68363	10004	10004	1	Si
36	0.086	7.6	0	-3176	SLD 11	-3176	-8821	-68363	-10004	-10004	1	Si
54	0.086	7.6	0	2820	SLD 5	2820	8821	68363	10004	10004	1	Si
54	0.086	7.6	0	-3302	SLD 11	-3302	-8821	-68363	-10004	-10004	1	Si
63	0.086	7.6	0	2757	SLD 5	2757	8821	68363	10004	10004	1	Si
63	0.086	10.57	0	-3365	SLD 11	-3365	-9843	-68363	-10004	-10004	1	Si
81	0.086	10.57	0	2631	SLD 5	2631	9843	68363	10004	10004	1	Si
81	0.086	10.57	0	-3491	SLD 11	-3491	-9843	-68363	-10004	-10004	1	Si
99	0.089	7.6	0	2505	SLD 5	2505	8821	68363	10374	10374	1	Si
99	0.089	7.6	0	-3617	SLD 11	-3617	-8821	-68363	-10374	-10374	1	Si
117	0.089	7.6	0	2379	SLD 5	2379	8821	68363	10374	10374	1	Si
117	0.089	7.6	0	-3743	SLD 11	-3743	-8821	-68363	-10374	-10374	1	Si
135	0.089	7.6	0	2253	SLD 5	2253	8821	68363	10374	10374	1	Si
135	0.089	7.6	0	-3869	SLD 11	-3869	-8821	-68363	-10374	-10374	1	Si
153	0.089	7.6	0	2127	SLD 5	2127	8821	68363	10374	10374	1	Si
153	0.089	7.6	0	-3995	SLD 11	-3995	-8821	-68363	-10374	-10374	1	Si
171	0.089	7.6	0	2001	SLD 5	2001	8821	68363	10374	10374	1	Si
171	0.089	7.6	0	-4121	SLD 11	-4121	-8821	-68363	-10374	-10374	1	Si
189	0.101	10.57	0	1875	SLD 5	1875	9843	68363	11671	11671	1	Si
189	0.101	10.57	0	-4247	SLD 11	-4247	-9843	-68363	-11671	-11671	1	Si
198	0.101	10.57	0	1812	SLD 5	1812	9843	68363	11671	11671	1	Si
198	0.101	10.57	0	-4310	SLD 11	-4310	-9843	-68363	-11671	-11671	1	Si
216	0.101	7.6	0	1686	SLD 5	1686	8821	68363	11671	11671	1	Si
216	0.101	7.6	0	-4436	SLD 11	-4436	-8821	-68363	-11671	-11671	1	Si
234	0.101	7.6	0	1560	SLD 5	1560	8821	68363	11671	11671	1	Si
234	0.101	7.6	0	-4562	SLD 11	-4562	-8821	-68363	-11671	-11671	1	Si
250	0.101	7.6	0	1448	SLD 5	1448	8821	68363	11671	11671	1	Si
250	0.101	7.6	0	-4674	SLD 11	-4674	-8821	-68363	-11671	-11671	1	Si
252	0	7.6	0	1434	SLD 5	1434	8821	68363	0	8821	1	Si
252	0	7.6	0	-4688	SLD 11	-4688	-8821	-68363	0	-8821	1	Si
270	0	9.29	0	1308	SLD 5	1308	9431	68363	0	9431	1	Si
270	0	7.6	0	-4814	SLD 11	-4814	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	315874	9	315718	10.9	124.5	468.6	1837	277299	2	277299	9.6	93.4	0	+∞	Si
18	314548	9	314498	10.9	124.5	466.8	1837	278628	2	278592	9.6	93.4	0	+∞	Si
20	314211	9	314211	10.9	124.5	466.4	1837	278586	2	278586	9.6	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
36	310954	9	314211	11.1	124.5	466.9	1837	277688	2	278586	9.8	93.4	0	+∞	Si
54	305091	9	313382	11.3	124.5	466.2	1837	274480	2	278484	10.1	93.4	0	+∞	Si
63	301310	9	311432	11.6	124.5	484.3	1837	272026	2	277861	10.3	93.4	0	+∞	Si
81	292046	9	305831	12.5	124.5	534.6	1837	265416	2	274914	11.3	93.4	0	+∞	Si
99	280514	9	297961	7.8	124.5	116.5	1837	256539	2	269700	12.1	93.4	0	+∞	Si
117	266713	9	287824	7.5	124.5	112.5	1837	245393	2	262217	11.8	93.4	0	+∞	Si
135	250645	9	275419	10.9	124.5	442.9	1837	231979	2	252466	10	93.4	0	+∞	Si
153	232309	9	260745	6.8	124.5	101.9	1837	216297	2	240447	10.8	93.4	0	+∞	Si
171	211705	9	243804	6.4	124.5	95.3	1837	198348	2	226160	10.1	93.4	0	+∞	Si
189	189731	3	224595	5.9	124.5	87.8	1837	178130	2	209605	9.4	93.4	0	+∞	Si
198	178377	3	214140	5.6	124.5	83.7	1837	167171	2	200477	9	93.4	0	+∞	Si
216	153969	3	192212	7.8	124.5	329.2	1837	143551	2	180520	7.3	93.4	0	+∞	Si
234	127292	3	169198	6.6	124.5	259.2	1837	117663	2	158295	6.2	93.4	0	+∞	Si
250	102219	2	146817	5.7	124.5	219.3	1837	92699	2	136616	5.3	93.4	0	+∞	Si
252	99029	2	99029	3.8	124.5	147.9	1837	89508	2	89508	3.5	93.4	0	+∞	Si
270	68617	2	68617	2.7	124.5	102.5	1837	59084	2	59084	2.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
20	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
36	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
54	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si
63	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
81	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.013	2	0.012	2	9999	Si
99	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
117	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
126	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
135	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
153	0.006	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
171	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.013	2	0.012	2	9999	Si
189	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
198	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si
216	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.007	2	9999	Si
234	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.006	2	0.005	2	9999	Si
250	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
252	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-3	-8719	-10004	SLV 11	0.42	996	1.148	278586	951409	1414287	SLV 11	0.43	1107	1.198	Si
36	-115	-8719	-10004	SLV 11	0.41	967	1.134	278586	951409	1414335	SLV 11	0.43	1107	1.198	Si
54	-241	-8719	-10004	SLV 11	0.41	937	1.119	278484	917768	1414375	SLV 11	0.45	1218	1.246	Si
63	-304	-8719	-10004	SLV 11	0.4	923	1.112	277861	856389	1354862	SLV 11	0.45	1271	1.268	Si
81	-430	-8719	-10004	SLV 11	0.4	894	1.098	274914	733794	1210990	SLV 11	0.46	1320	1.288	Si
99	-556	-8719	-10374	SLV 11	0.41	950	1.126	269700	611506	962923	SLV 11	0.41	966	1.133	Si
117	-682	-8719	-10374	SLV 11	0.4	921	1.111	262217	519851	962923	SLV 15	0.48	1527	1.367	Si
135	-808	-8719	-10374	SLV 11	0.4	892	1.097	252466	476460	1314974	SLV 15	0.57	2474	1.666	Si
153	-934	-8719	-10374	SLV 11	0.39	863	1.082	240447	434660	962923	SLV 15	0.57	2474	1.666	Si
171	-1060	-8719	-10374	SLV 11	0.39	836	1.068	164520	501891	962923	SLV 9	0.57	2379	1.64	Si
189	-1186	-8719	-11671	SLV 11	0.43	1128	1.208	140639	619623	962923	SLV 9	0.48	1465	1.344	Si
198	-1249	-8719	-11671	SLV 11	0.43	1111	1.2	127848	678698	962923	SLV 9	0.44	1199	1.238	Si
216	-1375	-8719	-11671	SLV 11	0.43	1075	1.184	100566	-797132	-963233	SLV 7	0.48	1487	1.352	Si
234	-1501	-8719	-11671	SLV 11	0.42	1041	1.169	92699	-829624	-963352	SLV 7	0.46	1312	1.285	Si
250	-1613	-8719	-11671	SLV 11	0.42	1011	1.155	92699	-829624	-963377	SLV 7	0.46	1312	1.285	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-3	-3061	-10004	SLD 11	0.44	1151	3.064	278586	420904	1414287	SLD 11	0.36	710	2.513	Si
36	-115	-3061	-10004	SLD 11	0.43	1117	3.026	278586	420904	1414335	SLD 11	0.36	710	2.513	Si
54	-241	-3061	-10004	SLD 11	0.43	1078	2.983	278484	406023	1414375	SLD 11	0.38	776	2.607	Si
63	-304	-3061	-10004	SLD 11	0.42	1059	2.961	277861	378871	1354862	SLD 11	0.38	807	2.649	Si
81	-430	-3061	-10004	SLD 11	0.42	1022	2.918	274914	324639	1210990	SLD 11	0.39	835	2.686	Si
99	-556	-3061	-10374	SLD 11	0.43	1095	3.002	269700	270543	962923	SLD 11	0.35	626	2.387	Si
117	-682	-3061	-10374	SLD 11	0.42	1058	2.96	262217	230036	962923	SLD 15	0.41	955	2.838	Si
135	-808	-3061	-10374	SLD 11	0.42	1021	2.917	252466	210841	1314974	SLD 15	0.6	2474	4.193	Si
153	-934	-3061	-10374	SLD 11	0.41	984	2.873	240447	192349	962923	SLD 15	0.5	1667	3.566	Si
171	-1060	-3061	-10374	SLD 11	0.41	951	2.833	164520	222028	962923	SLD 9	0.48	1484	3.4	Si
189	-1186	-3061	-11671	SLD 11	0.46	1304	3.225	140639	274108	962923	SLD 9	0.4	919	2.794	Si
198	-1249	-3061	-11671	SLD 11	0.45	1284	3.204	127848	300240	962923	SLD 9	0.37	764	2.59	Si
216	-1375	-3061	-11671	SLD 11	0.45	1243	3.162	100566	-352631	-963233	SLD 7	0.4	932	2.81	Si
234	-1501	-3061	-11671	SLD 11	0.44	1203	3.12	92699	-367004	-963352	SLD 7	0.39	831	2.681	Si
250	-1613	-3061	-11671	SLD 11	0.44	1168	3.082	92699	-367004	-963377	SLD 7	0.39	831	2.681	Si

Campata 5 tra i fili 65 - 62, sezione R 40x70, asta 1170

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	393612	SLU 36	349853	1414576	0.086						Si
18	7.6	5.4	11.4	5.4	311198	SLU 36	310899	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	304327	SLU 36	304327	1414576	0.086						Si
37	7.6	5.4	11.11	5.4	225670	SLU 36	304327	1379714	0.086						Si
55	7.6	5.4	9.86	5.4	137027	SLU 36	274870	1231754	0.083	86842	SLU 1	-11251	-963229	0.079	Si
74	7.6	5.4	7.6	5.4	45469	SLU 34	188007	962923	0.078	28247	SLU 4	-106928	-962923	0.078	Si
83	7.6	5.4	7.6	5.4	1177	SLU 15	143408	962923	0.078	-4927	SLU 23	-156510	-962923	0.078	Si
102	7.6	5.4	7.6	5.4	-63143	SLU 1	52011	962923	0.078	-99869	SLU 30	-258009	-962923	0.078	Si
120	7.6	5.4	7.6	5.4						-199588	SLU 30	-362622	-962923	0.078	Si
139	7.6	5.4	7.6	5.4						-302422	SLU 30	-470350	-962923	0.078	Si
157	7.6	5.4	7.6	5.4						-408371	SLU 30	-581193	-962923	0.078	Si
176	12.09	5.4	7.6	5.4						-517434	SLU 30	-695150	-1495965	0.088	Si
194	17.57	6.3	7.6	5.4						-629611	SLU 30	-812221	-2116149	0.104	Si
203	19.32	6.4	7.6	5.4						-686868	SLU 30	-871925	-2315302	0.11	Si
222	21.56	6.6	7.6	5.4						-803717	SLU 30	-993668	-2565943	0.117	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
240	22.81	6.7	7.6	5.4						-923681	SLU 30	-1036716	-2701330	0.127	Si
257	22.81	6.7	7.6	5.4						-1036716	SLU 30	-1036716	-2701330	0.127	Si
259	22.81	6.7	7.6	5.4						-1046759	SLU 30	-1046423	-2701330	0.127	Si
277	22.81	6.7	7.6	5.4						-1172951	SLU 30	-1103950	-2701330	0.127	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	1311908	SLV 11	1208029	1414576	0.086	-761493	SLV 5	-718385	-963377	0.08	Si
18	7.6	5.4	11.4	5.4	1118566	SLV 11	1117945	1414576	0.086	-682822	SLV 5	-682624	-963377	0.08	Si
20	7.6	5.4	11.4	5.4	1102745	SLV 11	1102745	1414576	0.086	-676590	SLV 5	-676590	-963377	0.08	Si
37	7.6	5.4	11.11	5.4	922844	SLV 11	1102745	1379714	0.086	-606562	SLV 5	-676590	-963352	0.079	Si
55	7.6	5.4	9.86	5.4	724752	SLV 11	1034924	1231754	0.083	-532725	SLV 5	-649874	-963229	0.079	Si
74	7.6	5.4	7.6	5.4	524314	SLV 11	838185	962923	0.078	-461332	SLV 5	-574651	-962923	0.078	Si
83	7.6	5.4	7.6	5.4	423232	SLV 11	738929	962923	0.078	-426569	SLV 5	-537950	-962923	0.078	Si
102	7.6	5.4	7.6	5.4	219441	SLV 11	538657	962923	0.078	-359011	SLV 5	-466382	-962923	0.078	Si
120	7.6	5.4	7.6	5.4	15263	SLV 7	336098	962923	0.078	-295857	SLV 9	-397317	-962923	0.078	Si
139	7.6	5.4	7.6	5.4	-139031	SLV 3	131539	962923	0.078	-287378	SLV 13	-545368	-962923	0.078	Si
157	7.6	5.4	7.6	5.4						-443093	SLV 15	-746403	-962923	0.078	Si
176	12.09	5.4	7.6	5.4						-623449	SLV 11	-963646	-1495965	0.088	Si
194	17.57	6.3	7.6	5.4	-53438	SLV 5	29337	994826	0.085	-839167	SLV 11	-1183410	-2116149	0.104	Si
203	19.32	6.4	7.6	5.4	-26474	SLV 5	54484	1002055	0.086	-948023	SLV 11	-1294213	-2315302	0.11	Si
222	21.56	6.6	7.6	5.4	25737	SLV 5	103006	1016483	0.089	-1167611	SLV 11	-1517642	-2565943	0.117	Si
240	22.81	6.7	7.6	5.4	75609	SLV 5	119311	1026791	0.091	-1389652	SLV 11	-1595869	-2701330	0.127	Si
257	22.81	6.7	7.6	5.4	119311	SLV 5	119311	1026791	0.091	-1595869	SLV 11	-1595869	-2701330	0.127	Si
259	22.81	6.7	7.6	5.4	123114	SLV 5	122945	1026791	0.091	-1614118	SLV 11	-1613470	-2701330	0.127	Si
277	22.81	6.7	7.6	5.4	168242	SLV 5	144481	1026791	0.091	-1840997	SLV 11	-1717779	-2701330	0.127	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	733858	SLD 11	670960	1414576	0.086	-183443	SLD 5	-181315	-963377	0.08	Si
18	7.6	5.4	11.4	5.4	616353	SLD 11	615961	1414576	0.086	-180609	SLD 5	-180609	-963377	0.08	Si
20	7.6	5.4	11.4	5.4	606681	SLD 11	606681	1414576	0.086	-180526	SLD 5	-181258	-963377	0.08	Si
37	7.6	5.4	11.11	5.4	496460	SLD 11	606681	1379714	0.086	-180178	SLD 5	-184404	-963352	0.079	Si
55	7.6	5.4	9.86	5.4	374182	SLD 11	565217	1231754	0.083	-182154	SLD 5	-190190	-963229	0.079	Si
74	7.6	5.4	7.6	5.4	249530	SLD 11	444300	962923	0.078	-186547	SLD 5	-198473	-962923	0.078	Si
83	7.6	5.4	7.6	5.4	186321	SLD 11	382949	962923	0.078	-189658	SLD 5	-203194	-962923	0.078	Si
102	7.6	5.4	7.6	5.4	58181	SLD 11	258466	962923	0.078	-197751	SLD 5	-224611	-962923	0.078	Si
120	7.6	5.4	7.6	5.4	-71466	SLD 7	131635	962923	0.078	-209127	SLD 9	-305583	-962923	0.078	Si
139	7.6	5.4	7.6	5.4	-180382	SLD 3	2583	962923	0.078	-246027	SLD 13	-426768	-962923	0.078	Si
157	7.6	5.4	7.6	5.4						-356906	SLD 15	-559765	-962923	0.078	Si
176	12.09	5.4	7.6	5.4						-479996	SLD 11	-701299	-1495965	0.088	Si
194	17.57	6.3	7.6	5.4						-620092	SLD 11	-845283	-2116149	0.104	Si
203	19.32	6.4	7.6	5.4						-691081	SLD 11	-918183	-2315302	0.11	Si
222	21.56	6.6	7.6	5.4						-834892	SLD 11	-1065792	-2565943	0.117	Si
240	22.81	6.7	7.6	5.4						-981124	SLD 11	-1117664	-2701330	0.127	Si
257	22.81	6.7	7.6	5.4						-1117664	SLD 11	-1117664	-2701330	0.127	Si
259	22.81	6.7	7.6	5.4						-1129765	SLD 11	-1129344	-2701330	0.127	Si
277	22.81	6.7	7.6	5.4						-1280809	SLD 11	-1198568	-2701330	0.127	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	9.24	0	-4380	SLU 30	-4380	-9414	-68363	0	-9414	1	Si
18	0	7.6	0	-4548	SLU 30	-4548	-8821	-68363	0	-8821	1	Si
20	0.115	7.6	0	-4562	SLU 30	-4562	-8821	-68363	-13338	-13338	1	Si
37	0.115	7.6	0	-4717	SLU 30	-4717	-8821	-68363	-13338	-13338	1	Si
55	0.115	7.6	0	-4885	SLU 30	-4885	-8821	-68363	-13338	-13338	1	Si
74	0.115	7.6	0	-5054	SLU 30	-5054	-8821	-68363	-13338	-13338	1	Si
83	0.115	7.6	0	-5138	SLU 30	-5138	-8821	-68363	-13338	-13338	1	Si
102	0.124	7.6	0	-5306	SLU 30	-5306	-8821	-68363	-14364	-14364	1	Si
120	0.124	7.6	0	-5474	SLU 30	-5474	-8821	-68363	-14364	-14364	1	Si
139	0.124	7.6	0	-5643	SLU 30	-5643	-8821	-68363	-14364	-14364	1	Si
157	0.124	7.6	0	-5811	SLU 30	-5811	-8821	-68363	-14364	-14364	1	Si
176	0.124	7.6	0	-5979	SLU 30	-5979	-8821	-68363	-14364	-14364	1	Si
194	0.129	7.6	0	-6148	SLU 30	-6148	-8764	-67462	-14808	-14808	1	Si
203	0.129	7.6	0	-6232	SLU 30	-6232	-8757	-67352	-14784	-14784	1	Si
222	0.129	7.6	0	-6400	SLU 30	-6400	-8742	-67115	-14732	-14732	1	Si
240	0.129	12.09	0	-6569	SLU 30	-6569	-10191	-66952	-14696	-14696	1	Si
257	0.129	17.57	0	-6723	SLU 30	-6723	-11545	-66952	-14696	-14696	1	Si
259	0	17.57	0	-6737	SLU 30	-6737	-11545	-66952	0	-11545	1	Si
277	0	20.69	0	-6905	SLU 30	-6905	-12190	-66952	0	-12190	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4320	SLV 5	6232	8821	68363	0	8821	1	Si
0	0	9.24	0	-10388	SLV 11	-12301	-9414	-68363	0	-9414	1	Si
18	0	7.6	0	4190	SLV 5	6102	8821	68363	0	8821	1	Si
18	0	7.6	0	-10518	SLV 11	-12430	-8821	-68363	0	-8821	1	Si
20	0.115	7.6	0	4180	SLV 5	6092	8821	68363	13338	13338	1	Si
20	0.115	7.6	0	-10528	SLV 11	-12441	-8821	-68363	-13338	-13338	1	Si
37	0.115	7.6	0	4061	SLV 5	5973	8821	68363	13338	13338	1	Si
37	0.115	7.6	0	-10647	SLV 11	-12560	-8821	-68363	-13338	-13338	1	Si
55	0.115	7.6	0	3931	SLV 5	5843	8821	68363	13338	13338	1	Si
55	0.115	7.6	0	-10777	SLV 11	-12689	-8821	-68363	-13338	-13338	1	Si
74	0.115	7.6	0	3802	SLV 5	5714	8821	68363	13338	13338	1	Si
74	0.115	7.6	0	-10906	SLV 11	-12819	-8821	-68363	-13338	-13338	1	Si
83	0.115	7.6	0	3737	SLV 5	5649	8821	68363	13338	13338	1	Si
83	0.115	7.6	0	-10971	SLV 11	-12883	-8821	-68363	-13338	-13338	1	Si
102	0.124	7.6	0	3607	SLV 5	5519	8821	68363	14364	14364	1	Si
102	0.124	7.6	0	-11101	SLV 11	-13013	-8821	-68363	-14364	-14364	1	Si
120	0.124	7.6	0	3478	SLV 5	5390	8821	68363	14364	14364	1	Si
120	0.124	7.6	0	-11230	SLV 11	-13142	-8821	-68363	-14364	-14364	1	Si
139	0.124	7.6	0	3348	SLV 5	5260	8821	68363	14364	14364	1	Si
139	0.124	7.6	0	-11360	SLV 11	-13272	-8821	-68363	-14364	-14364	1	Si
157	0.124	7.6	0	3219	SLV 5	5131	8821	68363	14364	14364	1	Si
157	0.124	7.6	0	-11489	SLV 11	-13401	-8821	-68363	-14364	-14364	1	Si
176	0.124	7.6	0	3089	SLV 5	5001	8821	68363	14364	14364	1	Si
176	0.124	7.6	0	-11619	SLV 11	-13531	-8821	-68363	-14364	-14364	1	Si
194	0.129	7.6	0	2960	SLV 5	4872	8764	67462	14808	14808	1	Si
194	0.129	7.6	0	-11748	SLV 11	-13660	-8764	-67462	-14808	-14808	1	Si
203	0.129	7.6	0	2895	SLV 5	4807	8757	67352	14784	14784	1	Si
203	0.129	7.6	0	-11813	SLV 11	-13725	-8757	-67352	-14784	-14784	1	Si
222	0.129	7.6	0	2766	SLV 5	4678	8821	68363	15005	15005	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
222	0.129	7.6	0	-11942	SLV 11	-13855	-8742	-67115	-14732	-14732	1	Si
240	0.129	7.6	0	2636	SLV 5	4548	8821	68363	15005	15005	1	Si
240	0.129	12.09	0	-12072	SLV 11	-13984	-10191	-66952	-14696	-14696	1	Si
257	0.129	7.6	0	2517	SLV 5	4429	8821	68363	15005	15005	1	Si
257	0.129	17.57	0	-12191	SLV 11	-14103	-11545	-66952	-14696	-14696	1	Si
259	0	7.6	0	2507	SLV 5	4419	8821	68363	0	8821	1	Si
259	0	17.57	0	-12201	SLV 11	-14114	-11545	-66952	0	-11545	1	Si
277	0	7.6	0	2377	SLV 5	4289	8821	68363	0	8821	1	Si
277	0	20.69	0	-12331	SLV 11	-14243	-12190	-66952	0	-12190	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	219	SLD 5	219	8821	68363	0	8821	1	Si
0	0	9.24	0	-6288	SLD 11	-6288	-9414	-68363	0	-9414	1	Si
18	0	7.6	0	89	SLD 5	89	8821	68363	0	8821	1	Si
18	0	7.6	0	-6417	SLD 11	-6417	-8821	-68363	0	-8821	1	Si
20	0.115	7.6	0	79	SLD 5	79	8821	68363	13338	13338	1	Si
20	0.115	7.6	0	-6428	SLD 11	-6428	-8821	-68363	-13338	-13338	1	Si
37	0.115	7.6	0	-6547	SLD 11	-6547	-8821	-68363	-13338	-13338	1	Si
55	0.115	7.6	0	-6676	SLD 11	-6676	-8821	-68363	-13338	-13338	1	Si
74	0.115	7.6	0	-6806	SLD 11	-6806	-8821	-68363	-13338	-13338	1	Si
83	0.115	7.6	0	-6871	SLD 11	-6871	-8821	-68363	-13338	-13338	1	Si
102	0.124	7.6	0	-7000	SLD 11	-7000	-8821	-68363	-14364	-14364	1	Si
120	0.124	7.6	0	-7130	SLD 11	-7130	-8821	-68363	-14364	-14364	1	Si
139	0.124	7.6	0	-7259	SLD 11	-7259	-8821	-68363	-14364	-14364	1	Si
157	0.124	7.6	0	-7389	SLD 11	-7389	-8821	-68363	-14364	-14364	1	Si
176	0.124	7.6	0	-7518	SLD 11	-7518	-8821	-68363	-14364	-14364	1	Si
194	0.129	7.6	0	-7648	SLD 11	-7648	-8764	-67462	-14808	-14808	1	Si
203	0.129	7.6	0	-7712	SLD 11	-7712	-8757	-67352	-14784	-14784	1	Si
222	0.129	7.6	0	-7842	SLD 11	-7842	-8742	-67115	-14732	-14732	1	Si
240	0.129	12.09	0	-7971	SLD 11	-7971	-10191	-66952	-14696	-14696	1	Si
257	0.129	17.57	0	-8090	SLD 11	-8090	-11545	-66952	-14696	-14696	1	Si
259	0	17.57	0	-8101	SLD 11	-8101	-11545	-66952	0	-11545	1	Si
277	0	20.69	0	-8230	SLD 11	-8230	-12190	-66952	0	-12190	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	290509	9	258293	10	124.5	385.9	1837	275207	2	244822	9.5	93.4	0	+∞	Si
18	229786	9	229564	8.9	124.5	343	1837	217872	2	217661	8.4	93.4	0	+∞	Si
20	224717	9	224717	8.7	124.5	335.7	1837	213077	2	213077	8.2	93.4	0	+∞	Si
37	166667	9	224717	8.8	124.5	344.3	1837	158141	2	213077	8.3	93.4	0	+∞	Si
55	101152	9	202987	8.3	124.5	348.8	1837	96014	2	192525	7.8	93.4	0	+∞	Si
74	33374	7	138841	3.6	124.5	54.3	1837	31491	2	131767	5.9	93.4	0	+∞	Si
83	-2628	5	-116259	3	124.5	45.4	1837	-1669	2	-109815	4.9	93.4	0	+∞	Si
102	-74226	3	-191645	5	124.5	74.9	1837	-69785	2	-181696	8.2	93.4	0	+∞	Si
120	-148243	3	-269427	7	124.5	105.3	1837	-140297	2	-255973	11.5	93.4	0	+∞	Si
139	-224656	3	-349605	9.1	124.5	136.6	1837	-213205	2	-332645	14.9	93.4	0	+∞	Si
157	-303465	3	-432179	11.3	124.5	168.9	1837	-288508	2	-411713	18.5	93.4	0	+∞	Si
176	-384670	3	-517148	19.6	124.5	730.4	1837	-366207	2	-493177	18.7	93.4	0	+∞	Si
194	-468271	3	-604513	20.6	124.5	616.4	1837	-446302	2	-577037	19.6	93.4	0	+∞	Si
203	-510969	3	-649094	21.5	124.5	607.5	1837	-487248	2	-619865	20.5	93.4	0	+∞	Si
222	-598163	3	-740053	23.8	124.5	629.9	1837	-570937	2	-707318	22.7	93.4	0	+∞	Si
240	-687753	3	-772232	24.5	124.5	627.3	1837	-657022	2	-738279	23.4	93.4	0	+∞	Si
257	-772232	3	-772232	24.5	124.5	627.3	1837	-738279	2	-738279	23.4	93.4	0	+∞	Si
259	-779739	3	-779489	24.7	124.5	633.2	1837	-745502	2	-745262	23.6	93.4	0	+∞	Si
277	-874120	3	-822496	26.1	124.5	668.1	1837	-836378	2	-786649	24.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
20	0	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
37	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
55	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
74	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
83	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.008	1	-0.008	1	9999	Si
102	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.01	1	-0.011	1	9999	Si
120	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.013	1	9999	Si
139	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.014	1	-0.015	1	9999	Si
157	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.015	1	-0.016	1	9999	Si
176	-0.007	-0.008	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.015	1	-0.016	1	9999	Si
194	-0.007	-0.008	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.015	1	-0.016	1	9999	Si
203	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.015	1	-0.016	1	9999	Si
222	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	1	-0.014	1	9999	Si
240	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.004	-0.005	-0.01	1	-0.011	1	9999	Si
257	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
259	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-3174	-9266	-13338	SLV 11	0.4	891	1.096	213077	-889667	-963377	SLV 5	0.47	1451	1.339	Si
37	-3293	-9266	-13338	SLV 11	0.39	866	1.084	213077	889667	1379714	SLV 11	0.47	1419	1.327	Si
55	-3423	-9266	-13338	SLV 11	0.39	839	1.07	192525	842399	1231754	SLV 11	0.44	1208	1.242	Si
74	-3552	-9266	-13338	SLV 11	0.38	813	1.056	131767	706418	962923	SLV 11	0.43	1065	1.179	Si
83	-3617	-9266	-13338	SLV 11	0.38	800	1.049	100489	638439	962923	SLV 11	0.48	1536	1.371	Si
102	-3747	-9266	-14364	SLV 11	0.41	993	1.146	36138	502520	962923	SLV 11	0.57	2474	1.666	Si
120	-3876	-9266	-14364	SLV 11	0.41	962	1.131	-30610	-366707	-962923	SLV 5	0.57	2474	1.666	Si
139	-4006	-9266	-14364	SLV 11	0.41	934	1.118	-332645	-212723	-962923	SLV 15	0.57	2474	1.666	Si
157	-4135	-9266	-14364	SLV 11	0.4	906	1.104	-411713	-334690	-962923	SLV 11	0.57	2474	1.666	Si
176	-4265	-9266	-14364	SLV 11	0.4	878	1.09	-493177	-470469	-1495965	SLV 11	0.57	2474	1.666	Si
194	-4394	-9266	-14808	SLV 11	0.41	946	1.124	-577037	-606374	-2116149	SLV 11	0.57	2474	1.666	Si
203	-4459	-9266	-14784	SLV 11	0.4	926	1.114	-619865	674349	1002055	SLV 5	0.57	2474	1.666	Si
222	-4588	-9266	-14732	SLV 11	0.4	887	1.094	-707318	810324	1016483	SLV 5	0.57	2474	1.666	Si
240	-4718	-9266	-14696	SLV 11	0.39	852	1.076	-738279	857590	1026791	SLV 5	0.57	2474	1.666	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
257	-4837	-9266	-14696	SLV 11	0.39	828	1.064	-738279	857590	1026791	SLV 5	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-3174	-3253	-13338	SLD 11	0.42	1020	2.916	213077	-393603	-963377	SLD 5	0.4	912	2.785	Si
37	-3293	-3253	-13338	SLD 11	0.41	988	2.878	213077	393603	1379714	SLD 11	0.4	893	2.761	Si
55	-3423	-3253	-13338	SLD 11	0.41	956	2.839	192525	372692	1231754	SLD 11	0.38	769	2.597	Si
74	-3552	-3253	-13338	SLD 11	0.4	925	2.801	131767	312534	962923	SLD 11	0.36	685	2.477	Si
83	-3617	-3253	-13338	SLD 11	0.4	910	2.782	100489	282459	962923	SLD 11	0.41	960	2.844	Si
102	-3747	-3253	-14364	SLD 11	0.44	1147	3.059	36138	222328	962923	SLD 11	0.55	2202	3.997	Si
120	-3876	-3253	-14364	SLD 11	0.43	1110	3.019	-30610	-162244	-962923	SLD 5	0.6	2474	4.193	Si
139	-4006	-3253	-14364	SLD 11	0.43	1073	2.977	-332645	-94123	-962923	SLD 15	0.6	2474	4.193	Si
157	-4135	-3253	-14364	SLD 11	0.42	1037	2.936	-411713	-148052	-962923	SLD 11	0.49	1628	3.532	Si
176	-4265	-3253	-14364	SLD 11	0.42	1002	2.895	-493177	-208122	-1495965	SLD 11	0.6	2474	4.193	Si
194	-4394	-3253	-14808	SLD 11	0.43	1090	2.996	-577037	-268246	-2116149	SLD 11	0.6	2474	4.193	Si
203	-4459	-3253	-14784	SLD 11	0.43	1064	2.967	-619865	298319	1002055	SLD 5	0.6	2474	4.193	Si
222	-4588	-3253	-14732	SLD 11	0.42	1015	2.91	-707318	358474	1016483	SLD 5	0.6	2474	4.193	Si
240	-4718	-3253	-14696	SLD 11	0.41	971	2.857	-738279	379385	1026791	SLD 5	0.6	2474	4.193	Si
257	-4837	-3253	-14696	SLD 11	0.41	942	2.822	-738279	379385	1026791	SLD 5	0.6	2474	4.193	Si

Campata 6 tra i fili 62 - 59, sezione R 40x70, asta 1171

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	7.6	5.4						-1265886	SLU 30	-1191155	-2701330	0.127	Si
19	22.81	6.7	7.6	5.4						-1124258	SLU 30	-1124162	-2701330	0.127	Si
20	22.81	6.7	7.6	5.4						-1118209	SLU 30	-1118209	-2701330	0.127	Si
38	22.81	6.7	7.6	5.4						-985973	SLU 30	-1118209	-2701330	0.127	Si
58	21.37	6.6	7.6	5.4						-851031	SLU 30	-1057020	-2545254	0.117	Si
77	19.57	6.3	7.6	5.4						-719432	SLU 30	-920351	-2346591	0.11	Si
86	18.26	6.2	7.6	5.4						-654886	SLU 30	-853270	-2200044	0.106	Si
105	13	5.4	7.6	5.4						-528301	SLU 30	-721615	-1604002	0.09	Si
125	11.19	5.4	7.6	5.4						-405059	SLU 30	-593303	-1389518	0.086	Si
134	7.6	5.4	7.6	5.4						-345265	SLU 36	-530400	-962923	0.078	Si
144	7.6	5.4	7.6	5.4						-286319	SLU 36	-468334	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	-112170	SLU 1	3825	962923	0.078	-170936	SLU 36	-347261	-962923	0.078	Si
182	7.6	5.4	7.6	5.4	-39952	SLU 1	109924	962923	0.078	-58895	SLU 36	-230150	-962923	0.078	Si
201	7.6	5.4	7.6	5.4	54603	SLU 29	214723	962923	0.078	28770	SLU 8	-116382	-962923	0.078	Si
220	10.77	5.4	9.73	5.4	161005	SLU 30	316180	1215719	0.083	96771	SLU 1	-10983	-1338859	0.085	Si
230	11.67	5.4	10.37	5.4	213015	SLU 30	365654	1292284	0.084						Si
249	13.48	5.4	11.4	5.4	314527	SLU 30	408464	1414331	0.085						Si
268	15.21	5.4	11.4	5.4	408464	SLU 30	408464	1414287	0.085						Si
268	15.21	5.4	11.4	5.4	412696	SLU 30	412579	1414287	0.085						Si
288	15.21	5.4	11.4	5.4	507523	SLU 30	458887	1414287	0.085						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	7.6	5.4	214844	SLV 7	193028	1026791	0.091	-2020116	SLV 9	-1890962	-2701330	0.127	Si
19	22.81	6.7	7.6	5.4	171753	SLV 7	171691	1026791	0.091	-1773768	SLV 9	-1773572	-2701330	0.127	Si
20	22.81	6.7	7.6	5.4	169796	SLV 7	169796	1026791	0.091	-1763142	SLV 9	-1763142	-2701330	0.127	Si
38	22.81	6.7	7.6	5.4	126102	SLV 7	169796	1026791	0.091	-1530005	SLV 9	-1763142	-2701330	0.127	Si
58	21.37	6.6	7.6	5.4	77899	SLV 7	149998	1014922	0.088	-1288832	SLV 9	-1655644	-2545254	0.117	Si
77	19.57	6.3	7.6	5.4	27158	SLV 7	103113	999957	0.086	-1050264	SLV 9	-1413131	-2346591	0.11	Si
86	18.26	6.2	7.6	5.4	845	SLV 7	78714	992460	0.085	-931966	SLV 9	-1292848	-2200044	0.106	Si
105	13	5.4	7.6	5.4	-53621	SLV 7	28015	963501	0.08	-697388	SLV 9	-1054236	-1604002	0.09	Si
125	11.19	5.4	7.6	5.4						-500057	SLV 13	-818264	-1389518	0.086	Si
144	7.6	5.4	7.6	5.4	-79158	SLV 1	130552	962923	0.078	-327057	SLV 15	-593381	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	31211	SLV 5	335606	962923	0.078	-272743	SLV 11	-413691	-962923	0.078	Si
182	7.6	5.4	7.6	5.4	226488	SLV 9	554069	962923	0.078	-308480	SLV 7	-403924	-962923	0.078	Si
201	7.6	5.4	7.6	5.4	441034	SLV 9	771606	962923	0.078	-368629	SLV 7	-474864	-962923	0.078	Si
220	10.77	5.4	9.73	5.4	659474	SLV 9	986857	1215719	0.083	-437815	SLV 7	-548662	-1338859	0.085	Si
230	11.67	5.4	10.37	5.4	768001	SLV 9	1093560	1292284	0.084	-473644	SLV 7	-586567	-1446022	0.086	Si
249	13.48	5.4	11.4	5.4	983293	SLV 9	1186888	1414331	0.085	-547397	SLV 7	-620470	-1660222	0.089	Si
268	15.21	5.4	11.4	5.4	1186888	SLV 9	1186888	1414287	0.085	-620470	SLV 7	-620470	-1865107	0.093	Si
268	15.21	5.4	11.4	5.4	1196114	SLV 9	1195905	1414287	0.085	-623822	SLV 7	-623780	-1865107	0.093	Si
288	15.21	5.4	11.4	5.4	1406411	SLV 9	1297384	1414287	0.085	-702866	SLV 7	-661028	-1865107	0.093	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	7.6	5.4						-1397033	SLD 9	-1309968	-2701330	0.127	Si
19	22.81	6.7	7.6	5.4						-1231378	SLD 9	-1231253	-2701330	0.127	Si
20	22.81	6.7	7.6	5.4						-1224260	SLD 9	-1224260	-2701330	0.127	Si
38	22.81	6.7	7.6	5.4						-1068300	SLD 9	-1224260	-2701330	0.127	Si
58	21.37	6.6	7.6	5.4						-907803	SLD 9	-1152250	-2545254	0.117	Si
77	19.57	6.3	7.6	5.4						-749892	SLD 9	-990419	-2346591	0.11	Si
86	18.26	6.2	7.6	5.4						-671910	SLD 9	-910472	-2200044	0.106	Si
105	13	5.4	7.6	5.4						-517915	SLD 9	-752517	-1604002	0.09	Si
125	11.19	5.4	7.6	5.4						-381848	SLD 13	-597164	-1389518	0.086	Si
134	7.6	5.4	7.6	5.4						-318462	SLD 13	-520475	-962923	0.078	Si
144	7.6	5.4	7.6	5.4	-148257	SLD 1	13576	962923	0.078	-257958	SLD 15	-448170	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	-53527	SLD 5	148031	962923	0.078	-188005	SLD 11	-320579	-962923	0.078	Si
182	7.6	5.4	7.6	5.4	77341	SLD 9	286987	962923	0.078	-159333	SLD 7	-213074	-962923	0.078	Si
201	7.6	5.4	7.6	5.4	215305	SLD 9	424100	962923	0.078	-142900	SLD 7	-173236	-962923	0.078	Si
220	10.77	5.4	9.73	5.4	353558	SLD 9	558767	1215719	0.083	-131899	SLD 7	-150174	-1338859	0.085	Si
230	11.67	5.4	10.37	5.4	421840	SLD 9	625154	1292284	0.084	-127483	SLD 7	-143132	-1446022	0.086	Si
249	13.48	5.4	11.4	5.4	556549	SLD 9	683012	1414331	0.085	-120653	SLD 7	-132070	-1660222	0.089	Si
268	15.21	5.4	11.4	5.4	683012	SLD 9	683012	1414287	0.085	-116594	SLD 7	-124189	-1865107	0.093	Si
268	15.21	5.4	11.4	5.4	688731	SLD 9	688592	1414287	0.085	-116439	SLD 7	-116439	-1865107	0.093	Si
288	15.21	5.4	11.4	5.4	818363	SLD 9	751395	1414287	0.085	-114817	SLD 7	-114817	-1865107	0.093	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	20.47	0	7477	SLU 30	7477	12147	66952	0	12147	1	Si
19	0	18.26	0	7302	SLU 30	7302	11694	66952	0	11694	1	Si
20	0.144	18.26	0	7295	SLU 30	7295	11694	66952	16329	16329	1	Si
38	0.144	13	0	7128	SLU 30	7128	10441	66952	16329	16329	1	Si
58	0.144	11.19	0	6953	SLU 30	6953	9947	67141	16375	16375	1	Si
77	0.144	7.6	0	6779	SLU 30	6779	8761	67419	16443	16443	1	Si
86	0.144	7.6	0	6692	SLU 30	6692	8770	67561	16477	16477	1	Si
105	0.131	7.6	0	6517	SLU 30	6517	8821	68363	15199	15199	1	Si
125	0.131	7.6	0	6343	SLU 30	6343	8821	68363	15199	15199	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
144	0.131	7.6	0	6168	SLU 30	6168	8821	68363	15199	15199	1	Si
163	0.131	11.67	0	5994	SLU 30	5994	10175	68363	15199	15199	1	Si
182	0.131	12.1	0	5820	SLU 30	5820	10297	68363	15199	15199	1	Si
201	0.129	7.6	0	5645	SLU 30	5645	8821	68363	15005	15005	1	Si
220	0.129	7.6	0	5471	SLU 30	5471	8821	68363	15005	15005	1	Si
230	0.129	7.6	0	5384	SLU 30	5384	8821	68363	15005	15005	1	Si
249	0.129	7.6	0	5209	SLU 30	5209	8821	68363	15005	15005	1	Si
268	0.129	7.6	0	5042	SLU 30	5042	8821	68363	15005	15005	1	Si
268	0	7.6	0	5035	SLU 30	5035	8821	68363	0	8821	1	Si
288	0	9.73	0	4860	SLU 30	4860	9576	68363	0	9576	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	20.47	0	12922	SLV 9	14886	12147	66952	0	12147	1	Si
0	0	7.6	0	-2183	SLV 7	-4147	-8821	-68363	0	-8821	1	Si
19	0	18.26	0	12788	SLV 9	14752	11694	66952	0	11694	1	Si
19	0	7.6	0	-2317	SLV 7	-4281	-8821	-68363	0	-8821	1	Si
20	0.144	18.26	0	12782	SLV 9	14746	11694	66952	16329	16329	1	Si
20	0.144	7.6	0	-2323	SLV 7	-4287	-8821	-68363	-16673	-16673	1	Si
38	0.144	13	0	12654	SLV 9	14617	10441	66952	16329	16329	1	Si
38	0.144	7.6	0	-2452	SLV 7	-4415	-8821	-68363	-16673	-16673	1	Si
58	0.144	11.19	0	12520	SLV 9	14483	9947	67141	16375	16375	1	Si
58	0.144	7.6	0	-2586	SLV 7	-4549	-8821	-68363	-16673	-16673	1	Si
77	0.144	7.6	0	12385	SLV 9	14349	8761	67419	16443	16443	1	Si
77	0.144	7.6	0	-2720	SLV 7	-4684	-8821	-68363	-16673	-16673	1	Si
86	0.144	7.6	0	12318	SLV 9	14282	8770	67561	16477	16477	1	Si
86	0.144	7.6	0	-2787	SLV 7	-4751	-8821	-68363	-16673	-16673	1	Si
105	0.131	7.6	0	12184	SLV 9	14148	8821	68363	15199	15199	1	Si
105	0.131	7.6	0	-2921	SLV 7	-4885	-8821	-68363	-15199	-15199	1	Si
125	0.131	7.6	0	12050	SLV 9	14014	8821	68363	15199	15199	1	Si
125	0.131	7.6	0	-3055	SLV 7	-5019	-8821	-68363	-15199	-15199	1	Si
144	0.131	7.6	0	11916	SLV 9	13879	8821	68363	15199	15199	1	Si
144	0.131	7.6	0	-3189	SLV 7	-5153	-8821	-68363	-15199	-15199	1	Si
163	0.131	11.67	0	11782	SLV 9	13745	10175	68363	15199	15199	1	Si
163	0.131	11.67	0	-3324	SLV 7	-5287	-10175	-68363	-15199	-15199	1	Si
182	0.131	7.6	0	11647	SLV 9	13611	8821	68363	15199	15199	1	Si
182	0.131	12.1	0	-3458	SLV 7	-5422	-10297	-68363	-15199	-15199	1	Si
201	0.129	7.6	0	11513	SLV 9	13477	8821	68363	15005	15005	1	Si
201	0.129	7.6	0	-3592	SLV 7	-5556	-8821	-68363	-15005	-15005	1	Si
220	0.129	7.6	0	11379	SLV 9	13343	8821	68363	15005	15005	1	Si
220	0.129	7.6	0	-3726	SLV 7	-5690	-8821	-68363	-15005	-15005	1	Si
230	0.129	7.6	0	11312	SLV 9	13276	8821	68363	15005	15005	1	Si
230	0.129	7.6	0	-3793	SLV 7	-5757	-8821	-68363	-15005	-15005	1	Si
249	0.129	7.6	0	11178	SLV 9	13142	8821	68363	15005	15005	1	Si
249	0.129	7.6	0	-3927	SLV 7	-5891	-8821	-68363	-15005	-15005	1	Si
268	0.129	7.6	0	11050	SLV 9	13013	8821	68363	15005	15005	1	Si
268	0.129	7.6	0	-4056	SLV 7	-6019	-8821	-68363	-15005	-15005	1	Si
268	0	7.6	0	11044	SLV 9	13007	8821	68363	0	8821	1	Si
268	0	7.6	0	-4062	SLV 7	-6025	-8821	-68363	0	-8821	1	Si
288	0	9.73	0	10910	SLV 9	12873	9576	68363	0	9576	1	Si
288	0	10.77	0	-4196	SLV 7	-6159	-9905	-68363	0	-9905	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	20.47	0	8711	SLD 9	8711	12147	66952	0	12147	1	Si
19	0	18.26	0	8577	SLD 9	8577	11694	66952	0	11694	1	Si
20	0.144	18.26	0	8571	SLD 9	8571	11694	66952	16329	16329	1	Si
38	0.144	13	0	8443	SLD 9	8443	10441	66952	16329	16329	1	Si
58	0.144	11.19	0	8308	SLD 9	8308	9947	67141	16375	16375	1	Si
77	0.144	7.6	0	8174	SLD 9	8174	8761	67419	16443	16443	1	Si
86	0.144	7.6	0	8107	SLD 9	8107	8770	67561	16477	16477	1	Si
105	0.131	7.6	0	7973	SLD 9	7973	8821	68363	15199	15199	1	Si
125	0.131	7.6	0	7839	SLD 9	7839	8821	68363	15199	15199	1	Si
144	0.131	7.6	0	7705	SLD 9	7705	8821	68363	15199	15199	1	Si
163	0.131	11.67	0	7570	SLD 9	7570	10175	68363	15199	15199	1	Si
182	0.131	7.6	0	7436	SLD 9	7436	8821	68363	15199	15199	1	Si
201	0.129	7.6	0	7302	SLD 9	7302	8821	68363	15005	15005	1	Si
220	0.129	7.6	0	7168	SLD 9	7168	8821	68363	15005	15005	1	Si
230	0.129	7.6	0	7101	SLD 9	7101	8821	68363	15005	15005	1	Si
249	0.129	7.6	0	6967	SLD 9	6967	8821	68363	15005	15005	1	Si
268	0.129	7.6	0	6838	SLD 9	6838	8821	68363	15005	15005	1	Si
268	0	7.6	0	6833	SLD 9	6833	8821	68363	0	8821	1	Si
288	0	9.73	0	6698	SLD 9	6698	9576	68363	0	9576	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-943647	3	-887774	28.1	124.5	721.1	1837	-902636	2	-848967	26.9	93.4	0	+∞	Si
19	-837793	3	-837722	26.6	124.5	680.5	1837	-801008	2	-800940	25.4	93.4	0	+∞	Si
20	-833275	3	-833275	26.4	124.5	676.8	1837	-796673	2	-796673	25.3	93.4	0	+∞	Si
38	-734511	3	-833275	26.4	124.5	676.8	1837	-701951	2	-796673	25.3	93.4	0	+∞	Si
58	-633800	3	-787566	25.4	124.5	675.2	1837	-605467	2	-752823	24.2	93.4	0	+∞	Si
77	-535661	3	-685526	22.6	124.5	632.3	1837	-511553	2	-655009	21.5	93.4	0	+∞	Si
86	-487556	3	-635471	21.3	124.5	622.4	1837	-465561	2	-607067	20.3	93.4	0	+∞	Si
105	-393274	3	-537289	19.8	124.5	707.7	1837	-375505	2	-513110	18.9	93.4	0	+∞	Si
125	-301563	3	-441678	17.2	124.5	671.8	1837	-288020	2	-421726	16.4	93.4	0	+∞	Si
144	-213197	9	-348639	9.1	124.5	136.3	1837	-203107	2	-332912	14.9	93.4	0	+∞	Si
163	-127411	9	-258541	6.7	124.5	101.1	1837	-120766	2	-246671	11.1	93.4	0	+∞	Si
182	-44197	9	-171426	4.5	124.5	67	1837	-40996	2	-163001	7.3	93.4	0	+∞	Si
201	39647	2	158141	4.1	124.5	61.8	1837	36203	2	148371	6.7	93.4	0	+∞	Si
220	118416	3	233093	9.1	124.5	404.8	1837	110829	2	219097	8.5	93.4	0	+∞	Si
230	156878	3	269605	10.1	124.5	439.7	1837	147179	2	253496	9.5	93.4	0	+∞	Si
249	231873	3	301176	10.7	124.5	447.6	1837	217948	2	283209	10	93.4	0	+∞	Si
268	301176	3	301176	10.4	124.5	447	1837	283209	2	283209	9.8	93.4	0	+∞	Si
268	304297	3	304210	10.5	124.5	451.5	1837	286146	2	286062	9.9	93.4	0	+∞	Si
288	374150	3	338350	11.7	124.5	502.2	1837	351773	2	318178	11	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
19	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
20	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
38	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
58	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.014	1	-0.015	1	9999	Si
77	-0.007	-0.008	-0.006	-0.007	-0.007	-0.008	-0.006	-0.007	-0.007	-0.008	-0.016	1	-0.017	1	9999	Si
86	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.016	1	-0.017	1	9999	Si
96	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.016	1	-0.017	1	9999	Si
105	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.016	1	-0.017	1	9999	Si
125	-0.007	-0.008	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.016	1	-0.016	1	9999	Si
144	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.014	1	-0.015	1	9999	Si
163	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.012	1	-0.013	1	9999	Si
182	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si
201	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.008	1	9999	Si
220	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
230	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
249	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
268	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
268	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	5229	9516	16329	SLV 9	0.42	1041	1.169	-796673	966469	1026791	SLV 7	0.57	2474	1.666	Si
38	5101	9516	16329	SLV 9	0.43	1073	1.183	-796673	966469	1026791	SLV 7	0.57	2474	1.666	Si
58	4967	9516	16375	SLV 9	0.43	1119	1.204	-752823	902821	1014922	SLV 7	0.57	2474	1.666	Si
77	4833	9516	16443	SLV 9	0.44	1173	1.227	-655009	758122	999957	SLV 7	0.57	2474	1.666	Si
86	4766	9516	16477	SLV 9	0.44	1200	1.239	-607067	-685781	-2200044	SLV 9	0.57	2474	1.666	Si
105	4631	9516	15199	SLV 9	0.4	919	1.11	-513110	-541126	-1604002	SLV 9	0.57	2474	1.666	Si
125	4497	9516	15199	SLV 9	0.41	947	1.124	-421726	-396538	-1389518	SLV 9	0.57	2474	1.666	Si
144	4363	9516	15199	SLV 9	0.41	977	1.139	-332912	-260469	-962923	SLV 13	0.57	2474	1.666	Si
163	4229	9516	15199	SLV 9	0.42	1009	1.154	-797	-336404	-962923	SLV 7	0.57	2474	1.666	Si
182	4095	9516	15199	SLV 9	0.42	1042	1.169	75073	478996	962923	SLV 9	0.57	2474	1.666	Si
201	3961	9516	15005	SLV 9	0.42	1027	1.162	148371	623235	962923	SLV 9	0.47	1407	1.322	Si
220	3826	9516	15005	SLV 9	0.42	1061	1.178	219097	767759	1215719	SLV 9	0.47	1382	1.312	Si
230	3759	9516	15005	SLV 9	0.43	1078	1.185	253496	840063	1292284	SLV 9	0.45	1215	1.245	Si
249	3625	9516	15005	SLV 9	0.43	1112	1.201	283209	903679	1414331	SLV 9	0.45	1255	1.262	Si
268	3497	9516	15005	SLV 9	0.44	1146	1.215	283209	903679	1414287	SLV 9	0.45	1255	1.262	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	5229	3341	16329	SLD 9	0.44	1203	3.12	-796673	427587	1026791	SLD 7	0.56	2341	4.099	Si
38	5101	3341	16329	SLD 9	0.45	1240	3.159	-796673	427587	1026791	SLD 7	0.56	2341	4.099	Si
58	4967	3341	16375	SLD 9	0.46	1293	3.214	-752823	399428	1014922	SLD 7	0.58	2474	4.193	Si
77	4833	3341	16443	SLD 9	0.46	1354	3.275	-655009	335410	999957	SLD 7	0.6	2474	4.193	Si
86	4766	3341	16477	SLD 9	0.47	1386	3.306	-607067	-303405	-2200044	SLD 9	0.6	2474	4.193	Si
105	4631	3341	15199	SLD 9	0.42	1054	2.955	-513110	-239407	-1604002	SLD 9	0.6	2474	4.193	Si
125	4497	3341	15199	SLD 9	0.43	1091	2.997	-421726	-175438	-1389518	SLD 9	0.6	2474	4.193	Si
144	4363	3341	15199	SLD 9	0.43	1129	3.04	-332912	-115258	-962923	SLD 13	0.6	2474	4.193	Si
163	4229	3341	15199	SLD 9	0.44	1166	3.08	-797	-148828	-962923	SLD 7	0.6	2474	4.193	Si
182	4095	3341	15199	SLD 9	0.44	1204	3.121	75073	211915	962923	SLD 9	0.55	2232	4.02	Si
201	3961	3341	15005	SLD 9	0.44	1187	3.103	148371	275729	962923	SLD 9	0.4	885	2.751	Si
220	3826	3341	15005	SLD 9	0.45	1226	3.144	219097	339669	1215719	SLD 9	0.39	872	2.734	Si
230	3759	3341	15005	SLD 9	0.45	1246	3.165	253496	371658	1292284	SLD 9	0.38	773	2.602	Si
249	3625	3341	15005	SLD 9	0.45	1285	3.205	283209	399803	1414331	SLD 9	0.38	798	2.637	Si
268	3497	3341	15005	SLD 9	0.46	1323	3.244	283209	399803	1414287	SLD 9	0.38	796	2.634	Si

Campata 7 tra i fili 59 - 56, sezione R 40x70, asta 1172

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	323329	SLU 36	323329	1414287	0.085						Si
19	15.21	5.4	11.4	5.4	352137	SLU 36	352137	1414287	0.085						Si
20	15.21	5.4	11.4	5.4	353524	SLU 36	390959	1414287	0.085						Si
38	13.51	5.4	11	5.4	377660	SLU 36	410329	1366788	0.085						Si
57	11.72	5.4	9.72	5.4	399898	SLU 36	427541	1215068	0.083						Si
76	7.6	5.4	7.6	5.4	418851	SLU 36	442204	962923	0.078						Si
86	7.6	5.4	7.6	5.4	427095	SLU 36	448550	962923	0.078						Si
105	7.6	5.4	7.6	5.4	441820	SLU 30	458778	962923	0.078						Si
124	7.6	5.4	7.6	5.4	453790	SLU 30	465721	962923	0.078						Si
143	7.6	5.4	7.6	5.4	462474	SLU 30	469379	962923	0.078						Si
152	7.6	5.4	7.6	5.4	465584	SLU 30	469987	962923	0.078						Si
162	7.6	5.4	7.6	5.4	467873	SLU 30	469987	962923	0.078						Si
181	7.6	5.4	7.6	5.4	469987	SLU 30	469987	962923	0.078						Si
200	7.6	5.4	7.6	5.4	468816	SLU 30	469987	962923	0.078						Si
219	7.6	5.4	11.84	5.4	464360	SLU 30	469823	1466897	0.087						Si
228	7.6	5.4	13.12	5.4	460900	SLU 30	468876	1618723	0.091						Si
247	7.6	5.4	15.21	5.4	451516	SLU 30	464518	1865528	0.096						Si
265	7.6	5.4	15.21	5.4	439557	SLU 30	457326	1865528	0.096						Si
266	7.6	5.4	15.21	5.4	438847	SLU 30	438832	1865528	0.096						Si
285	7.6	5.4	15.21	5.4	422893	SLU 30	422893	1865528	0.096						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	1106319	SLV 11	1058203	1414287	0.085	-669026	SLV 5	-595810	-1865107	0.093	Si
19	15.21	5.4	11.4	5.4	1013020	SLV 11	1012907	1414287	0.085	-530451	SLV 5	-530334	-1865107	0.093	Si
20	15.21	5.4	11.4	5.4	1008013	SLV 11	1008013	1414287	0.085	-523261	SLV 5	-523261	-1865107	0.093	Si
38	13.51	5.4	11	5.4	917275	SLV 11	1008013	1366788	0.085	-394484	SLV 5	-523261	-1664005	0.09	Si
57	11.72	5.4	9.72	5.4	819102	SLV 11	968307	1215068	0.083	-261143	SLV 5	-466239	-1451662	0.087	Si
76	7.6	5.4	7.6	5.4	718532	SLV 11	871418	962923	0.078	-130459	SLV 5	-331504	-962923	0.078	Si
86	7.6	5.4	7.6	5.4	667367	SLV 11	822066	962923	0.078	-66131	SLV 5	-265123	-962923	0.078	Si
105	7.6	5.4	7.6	5.4	563364	SLV 11	721567	962923	0.078	60405	SLV 5	-134359	-962923	0.078	Si
124	7.6	5.4	7.6	5.4	522140	SLV 15	618737	962923	0.078	119108	SLV 1	-6317	-962923	0.078	Si
143	7.6	5.4	7.6	5.4	505165	SLV 13	581882	962923	0.078						Si
162	7.6	5.4	7.6	5.4	533661	SLV 13	692118	962923	0.078	127383	SLV 3	-29613	-962923	0.078	Si
181	7.6	5.4	7.6	5.4	633962	SLV 9	800226	962923	0.078	29399	SLV 7	-143137	-962923	0.078	Si
200	7.6	5.4	7.6	5.4	743216	SLV 9	906146	962923	0.078	-82591	SLV 7	-259526	-962923	0.078	Si
209	7.6	5.4	7.6	5.4	797030	SLV 9	958286	962923	0.078	-139669	SLV 7	-318796	-962923	0.078	Si
219	7.6	5.4	11.84	5.4	850297	SLV 9	1009881	1466897	0.087	-197463	SLV 7	-378784	-963415	0.08	Si
228	7.6	5.4	13.12	5.4	903016	SLV 9	1060934	1618723	0.091	-255973	SLV 7	-439495	-963509	0.08	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
247	7.6	5.4	15.21	5.4	1006816	SLV 9	1103126	1865528	0.096	-375144	SLV 7	-490739	-963633	0.08	Si
265	7.6	5.4	15.21	5.4	1103126	SLV 9	1103126	1865528	0.096	-490739	SLV 7	-490739	-963633	0.08	Si
266	7.6	5.4	15.21	5.4	1108447	SLV 9	1108131	1865528	0.096	-497201	SLV 7	-496909	-963633	0.08	Si
285	7.6	5.4	15.21	5.4	1207926	SLV 9	1154461	1865528	0.096	-622160	SLV 7	-554014	-963633	0.08	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	611321	SLD 11	597034	1414287	0.085	-174028	SLD 5	-134641	-1865107	0.093	Si
19	15.21	5.4	11.4	5.4	582672	SLD 11	582622	1414287	0.085	-100103	SLD 5	-100050	-1865107	0.093	Si
20	15.21	5.4	11.4	5.4	581066	SLD 11	581066	1414287	0.085	-96313	SLD 5	-96313	-1865107	0.093	Si
38	13.51	5.4	11	5.4	551531	SLD 11	581066	1366788	0.085	-28739	SLD 5	-96313	-1664005	0.09	Si
57	11.72	5.4	9.72	5.4	517906	SLD 11	568328	1215068	0.083	40053	SLD 5	-66260	-1451662	0.087	Si
76	7.6	5.4	7.6	5.4	481813	SLD 11	536018	962923	0.078						Si
86	7.6	5.4	7.6	5.4	462847	SLD 11	518934	962923	0.078						Si
105	7.6	5.4	7.6	5.4	423121	SLD 11	482914	962923	0.078						Si
124	7.6	5.4	7.6	5.4	409791	SLD 15	444453	962923	0.078						Si
143	7.6	5.4	7.6	5.4	405753	SLD 13	442248	962923	0.078						Si
162	7.6	5.4	7.6	5.4	420416	SLD 13	490914	962923	0.078						Si
181	7.6	5.4	7.6	5.4	465426	SLD 9	537228	962923	0.078						Si
200	7.6	5.4	7.6	5.4	512994	SLD 9	581165	962923	0.078						Si
209	7.6	5.4	7.6	5.4	535890	SLD 9	602242	962923	0.078						Si
219	7.6	5.4	11.84	5.4	558192	SLD 9	622726	1466897	0.087						Si
228	7.6	5.4	13.12	5.4	579898	SLD 9	642618	1618723	0.091	67145	SLD 7	-21179	-963509	0.08	Si
247	7.6	5.4	15.21	5.4	621531	SLD 9	658759	1865528	0.096	10141	SLD 7	-46372	-963633	0.08	Si
265	7.6	5.4	15.21	5.4	658759	SLD 9	658759	1865528	0.096	-46372	SLD 7	-46372	-963633	0.08	Si
266	7.6	5.4	15.21	5.4	660794	SLD 9	660648	1865528	0.096	-49549	SLD 7	-49426	-963633	0.08	Si
285	7.6	5.4	15.21	5.4	697697	SLD 9	678138	1865528	0.096	-111931	SLD 7	-77692	-963633	0.08	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1679	SLU 20	1679	8821	68363	0	8821	1	Si
19	0	7.6	0	1506	SLU 20	1506	8821	68363	0	8821	1	Si
20	0.086	7.6	0	1497	SLU 20	1497	8821	68363	10004	10004	1	Si
38	0.086	7.6	0	1333	SLU 20	1333	8821	68363	10004	10004	1	Si
57	0.086	7.6	0	1161	SLU 20	1161	8821	68363	10004	10004	1	Si
76	0.086	7.6	0	988	SLU 20	988	8821	68363	10004	10004	1	Si
86	0.086	7.6	0	901	SLU 20	901	8821	68363	10004	10004	1	Si
105	0.063	7.6	0	728	SLU 20	728	8821	68363	7336	8821	1	Si
124	0.063	7.6	0	555	SLU 20	555	8821	68363	7336	8821	1	Si
143	0.063	7.6	0	382	SLU 20	382	8821	68363	7336	8821	1	Si
162	0.063	7.6	0	210	SLU 20	210	8821	68363	7336	8821	1	Si
181	0.063	7.6	0	49	SLU 2	49	8821	68363	7336	8821	1	Si
181	0.063	7.6	0	-103	SLU 35	-103	-8821	-68363	-7336	-8821	1	Si
200	0.063	7.6	0	-276	SLU 35	-276	-8821	-68363	-7336	-8821	1	Si
219	0.063	7.6	0	-449	SLU 35	-449	-8821	-68363	-7336	-8821	1	Si
228	0.063	7.6	0	-535	SLU 35	-535	-8821	-68363	-7336	-8821	1	Si
247	0.063	7.6	0	-708	SLU 35	-708	-8821	-68363	-7336	-8821	1	Si
265	0.063	7.6	0	-872	SLU 35	-872	-8821	-68363	-7336	-8821	1	Si
266	0	7.6	0	-881	SLU 35	-881	-8821	-68363	0	-8821	1	Si
285	0	11.84	0	-1054	SLU 35	-1054	-10225	-68363	0	-10225	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.82	0	7395	SLV 5	8991	9922	68363	0	9922	1	Si
0	0	7.6	0	-4879	SLV 11	-6475	-8821	-68363	0	-8821	1	Si
10	0	7.6	0	7328	SLV 5	8924	8821	68363	0	8821	1	Si
10	0	7.6	0	-4945	SLV 11	-6541	-8821	-68363	0	-8821	1	Si
19	0	7.6	0	7262	SLV 5	8858	8821	68363	0	8821	1	Si
19	0	7.6	0	-5012	SLV 11	-6608	-8821	-68363	0	-8821	1	Si
20	0.086	7.6	0	7255	SLV 5	8851	8821	68363	10004	10004	1	Si
20	0.086	7.6	0	-5019	SLV 11	-6615	-8821	-68363	-10004	-10004	1	Si
38	0.086	7.6	0	7129	SLV 5	8725	8821	68363	10004	10004	1	Si
38	0.086	7.6	0	-5145	SLV 11	-6741	-8821	-68363	-10004	-10004	1	Si
57	0.086	7.6	0	6996	SLV 5	8592	8821	68363	10004	10004	1	Si
57	0.086	7.6	0	-5278	SLV 11	-6874	-8821	-68363	-10004	-10004	1	Si
76	0.086	7.6	0	6863	SLV 5	8459	8821	68363	10004	10004	1	Si
76	0.086	7.6	0	-5411	SLV 11	-7007	-8821	-68363	-10004	-10004	1	Si
86	0.086	7.6	0	6796	SLV 5	8392	8821	68363	10004	10004	1	Si
86	0.086	7.6	0	-5477	SLV 11	-7073	-8821	-68363	-10004	-10004	1	Si
105	0.063	7.6	0	6663	SLV 5	8259	8821	68363	7336	8821	1	Si
105	0.063	7.6	0	-5610	SLV 11	-7206	-8821	-68363	-7336	-8821	1	Si
124	0.063	7.6	0	6530	SLV 5	8126	8821	68363	7336	8821	1	Si
124	0.063	7.6	0	-5743	SLV 11	-7339	-8821	-68363	-7336	-8821	1	Si
143	0.063	7.6	0	6397	SLV 5	7993	8821	68363	7336	8821	1	Si
143	0.063	7.6	0	-5876	SLV 11	-7472	-8821	-68363	-7336	-8821	1	Si
162	0.063	7.6	0	6264	SLV 5	7860	8821	68363	7336	8821	1	Si
162	0.063	7.6	0	-6009	SLV 11	-7605	-8821	-68363	-7336	-8821	1	Si
181	0.063	7.6	0	6131	SLV 5	7727	8821	68363	7336	8821	1	Si
181	0.063	7.6	0	-6142	SLV 11	-7738	-8821	-68363	-7336	-8821	1	Si
200	0.063	7.6	0	5998	SLV 5	7594	8821	68363	7336	8821	1	Si
200	0.063	7.6	0	-6275	SLV 11	-7871	-8821	-68363	-7336	-8821	1	Si
219	0.063	7.6	0	5865	SLV 5	7461	8821	68363	7336	8821	1	Si
219	0.063	7.6	0	-6408	SLV 11	-8004	-8821	-68363	-7336	-8821	1	Si
228	0.063	7.6	0	5799	SLV 5	7395	8821	68363	7336	8821	1	Si
228	0.063	7.6	0	-6475	SLV 11	-8071	-8821	-68363	-7336	-8821	1	Si
247	0.063	7.6	0	5666	SLV 5	7262	8821	68363	7336	8821	1	Si
247	0.063	7.6	0	-6608	SLV 11	-8204	-8821	-68363	-7336	-8821	1	Si
265	0.063	7.6	0	5540	SLV 5	7136	8821	68363	7336	8821	1	Si
265	0.063	7.6	0	-6734	SLV 11	-8330	-8821	-68363	-7336	-8821	1	Si
266	0	7.6	0	5533	SLV 5	7129	8821	68363	0	8821	1	Si
266	0	7.6	0	-6741	SLV 11	-8337	-8821	-68363	0	-8821	1	Si
285	0	11.84	0	5400	SLV 5	6996	10225	68363	0	10225	1	Si
285	0	7.6	0	-6874	SLV 11	-8470	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.82	0	3973	SLD 5	3973	9922	68363	0	9922	1	Si
0	0	7.6	0	-1457	SLD 11	-1457	-8821	-68363	0	-8821	1	Si
10	0	7.6	0	3906	SLD 5	3906	8821	68363	0	8821	1	Si
10	0	7.6	0	-1523	SLD 11	-1523	-8821	-68363	0	-8821	1	Si
19	0	7.6	0	3840	SLD 5	3840	8821	68363	0	8821	1	Si
19	0	7.6	0	-1590	SLD 11	-1590	-8821	-68363	0	-8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
20	0.086	7.6	0	3833	SLD 5	3833	8821	68363	10004	10004	1	Si
20	0.086	7.6	0	-1597	SLD 11	-1597	-8821	-68363	-10004	-10004	1	Si
38	0.086	7.6	0	3707	SLD 5	3707	8821	68363	10004	10004	1	Si
38	0.086	7.6	0	-1723	SLD 11	-1723	-8821	-68363	-10004	-10004	1	Si
57	0.086	7.6	0	3574	SLD 5	3574	8821	68363	10004	10004	1	Si
57	0.086	7.6	0	-1856	SLD 11	-1856	-8821	-68363	-10004	-10004	1	Si
76	0.086	7.6	0	3441	SLD 5	3441	8821	68363	10004	10004	1	Si
76	0.086	7.6	0	-1989	SLD 11	-1989	-8821	-68363	-10004	-10004	1	Si
86	0.086	7.6	0	3374	SLD 5	3374	8821	68363	10004	10004	1	Si
86	0.086	7.6	0	-2055	SLD 11	-2055	-8821	-68363	-10004	-10004	1	Si
105	0.063	7.6	0	3241	SLD 5	3241	8821	68363	7336	8821	1	Si
105	0.063	7.6	0	-2188	SLD 11	-2188	-8821	-68363	-7336	-8821	1	Si
124	0.063	7.6	0	3108	SLD 5	3108	8821	68363	7336	8821	1	Si
124	0.063	7.6	0	-2321	SLD 11	-2321	-8821	-68363	-7336	-8821	1	Si
143	0.063	7.6	0	2975	SLD 5	2975	8821	68363	7336	8821	1	Si
143	0.063	7.6	0	-2454	SLD 11	-2454	-8821	-68363	-7336	-8821	1	Si
162	0.063	7.6	0	2842	SLD 5	2842	8821	68363	7336	8821	1	Si
162	0.063	7.6	0	-2587	SLD 11	-2587	-8821	-68363	-7336	-8821	1	Si
181	0.063	7.6	0	2709	SLD 5	2709	8821	68363	7336	8821	1	Si
181	0.063	7.6	0	-2720	SLD 11	-2720	-8821	-68363	-7336	-8821	1	Si
200	0.063	7.6	0	2576	SLD 5	2576	8821	68363	7336	8821	1	Si
200	0.063	7.6	0	-2853	SLD 11	-2853	-8821	-68363	-7336	-8821	1	Si
219	0.063	7.6	0	2443	SLD 5	2443	8821	68363	7336	8821	1	Si
219	0.063	7.6	0	-2986	SLD 11	-2986	-8821	-68363	-7336	-8821	1	Si
228	0.063	7.6	0	2377	SLD 5	2377	8821	68363	7336	8821	1	Si
228	0.063	7.6	0	-3053	SLD 11	-3053	-8821	-68363	-7336	-8821	1	Si
247	0.063	7.6	0	2244	SLD 5	2244	8821	68363	7336	8821	1	Si
247	0.063	7.6	0	-3186	SLD 11	-3186	-8821	-68363	-7336	-8821	1	Si
265	0.063	7.6	0	2118	SLD 5	2118	8821	68363	7336	8821	1	Si
265	0.063	7.6	0	-3312	SLD 11	-3312	-8821	-68363	-7336	-8821	1	Si
266	0	7.6	0	2111	SLD 5	2111	8821	68363	0	8821	1	Si
266	0	7.6	0	-3319	SLD 11	-3319	-8821	-68363	0	-8821	1	Si
285	0	11.84	0	1978	SLD 5	1978	10225	68363	0	10225	1	Si
285	0	7.6	0	-3452	SLD 11	-3452	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	236687	9	236687	8.2	124.5	351.3	1837	218647	2	218647	7.6	93.4	0	+∞	Si
19	258822	9	258822	9	124.5	384.2	1837	241285	2	241285	8.3	93.4	0	+∞	Si
20	259887	9	288645	10	124.5	428.4	1837	242376	2	271904	9.4	93.4	0	+∞	Si
38	278429	9	303521	10.9	124.5	467	1837	261396	2	287257	10.3	93.4	0	+∞	Si
57	295510	9	316735	12.2	124.5	550	1837	278980	2	300975	11.6	93.4	0	+∞	Si
76	310064	9	327914	8.5	124.5	128.2	1837	294037	2	312166	14	93.4	0	+∞	Si
86	316393	9	332719	8.7	124.5	130	1837	300618	2	316813	14.2	93.4	0	+∞	Si
105	327623	3	340436	8.9	124.5	133.1	1837	311884	2	324214	14.5	93.4	0	+∞	Si
124	336679	3	345626	9	124.5	135.1	1837	320624	2	329087	14.8	93.4	0	+∞	Si
143	343208	3	348288	9.1	124.5	136.1	1837	326837	2	331433	14.9	93.4	0	+∞	Si
162	347209	3	348684	9.1	124.5	136.3	1837	330522	2	331681	14.9	93.4	0	+∞	Si
181	348684	3	348684	9.1	124.5	136.3	1837	331681	2	331681	14.9	93.4	0	+∞	Si
200	347632	3	348684	9.1	124.5	136.3	1837	330312	2	331681	14.9	93.4	0	+∞	Si
219	344053	3	348487	13.3	124.5	502	1837	326417	2	331334	12.6	93.4	0	+∞	Si
228	341316	3	347683	12.8	124.5	453.8	1837	323522	2	330372	12.1	93.4	0	+∞	Si
247	333946	3	344179	12	124.5	390.1	1837	315836	2	326553	11.4	93.4	0	+∞	Si
265	324604	3	338504	11.8	124.5	383.7	1837	306193	2	320577	11.2	93.4	0	+∞	Si
266	324049	3	324038	11.3	124.5	367.3	1837	305623	2	305611	10.7	93.4	0	+∞	Si
285	311626	3	311626	10.9	124.5	353.2	1837	292883	2	292883	10.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
20	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
38	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si
57	0.006	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
76	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.007	0.007	0.017	2	0.016	2	9999	Si
86	0.008	0.008	0.008	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.019	2	0.017	2	9999	Si
105	0.009	0.008	0.009	0.008	0.009	0.008	0.008	0.008	0.009	0.008	0.021	2	0.02	2	9999	Si
124	0.01	0.009	0.009	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.022	2	0.021	2	9999	Si
143	0.01	0.009	0.009	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.023	2	0.021	2	9999	Si
162	0.01	0.009	0.009	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.022	2	0.021	2	9999	Si
181	0.01	0.009	0.009	0.008	0.009	0.009	0.008	0.008	0.009	0.009	0.021	2	0.02	2	9999	Si
200	0.009	0.008	0.008	0.007	0.008	0.008	0.008	0.007	0.008	0.008	0.019	2	0.018	2	9999	Si
219	0.007	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.015	2	9999	Si
228	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.015	2	0.014	2	9999	Si
247	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.01	2	9999	Si
265	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
266	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.006	2	0.005	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1118	7733	10004	SLV 5	0.42	1001	1.15	242376	765637	1414287	SLV 11	0.55	2146	1.572	Si
38	992	7733	10004	SLV 5	0.42	1039	1.168	242376	765637	1366788	SLV 11	0.52	1921	1.502	Si
57	859	7733	10004	SLV 5	0.43	1080	1.186	251034	717273	1215068	SLV 11	0.48	1516	1.363	Si
76	726	7733	10004	SLV 5	0.43	1122	1.205	269957	601461	962923	SLV 11	0.42	1008	1.153	Si
86	659	7733	10004	SLV 5	0.44	1143	1.214	278471	543595	962923	SLV 11	0.45	1275	1.27	Si
105	526	7733	8821	SLV 5	0.39	844	1.072	293604	427963	962923	SLV 11	0.56	2273	1.609	Si
124	393	7733	8821	SLV 5	0.4	878	1.09	306210	312527	962923	SLV 11	0.57	2474	1.666	Si
143	260	7733	8821	SLV 5	0.4	912	1.107	331433	250448	962923	SLV 9	0.57	2474	1.666	Si
162	127	7733	8821	SLV 5	0.41	947	1.124	331252	360866	962923	SLV 9	0.57	2474	1.666	Si
181	-6	-7733	-8821	SLV 11	0.41	980	1.14	328545	471682	962923	SLV 9	0.48	1518	1.364	Si
200	-139	-7733	-8821	SLV 11	0.41	944	1.123	323310	582836	962923	SLV 9	0.4	893	1.097	Si
219	-272	-7733	-8821	SLV 11	0.4	909	1.105	315548	694333	1466897	SLV 9	0.57	2474	1.666	Si
228	-338	-7733	-8821	SLV 11	0.4	892	1.097	310720	-750214	-963509	SLV 7	0.57	2474	1.666	Si
247	-471	-7733	-8821	SLV 11	0.39	858	1.079	306193	-796933	-963633	SLV 7	0.57	2390	1.643	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
265	-597	-7733	-8821	SLV 11	0.39	827	1.063	306193	-796933	-963633	SLV 7	0.57	2390	1.643	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1118	2715	10004	SLD 5	0.44	1157	3.07	242376	338689	1414287	SLD 11	0.46	1340	3.261	Si
38	992	2715	10004	SLD 5	0.44	1201	3.118	242376	338689	1366788	SLD 11	0.44	1201	3.118	Si
57	859	2715	10004	SLD 5	0.45	1248	3.167	251034	317294	1215068	SLD 11	0.41	949	2.831	Si
76	726	2715	10004	SLD 5	0.46	1296	3.217	269957	266061	962923	SLD 11	0.35	652	2.427	Si
86	659	2715	10004	SLD 5	0.46	1321	3.242	278471	240463	962923	SLD 11	0.38	809	2.651	Si
105	526	2715	8821	SLD 5	0.41	962	2.847	293604	189310	962923	SLD 11	0.47	1419	3.338	Si
124	393	2715	8821	SLD 5	0.42	1002	2.895	306210	138243	962923	SLD 11	0.6	2474	4.193	Si
143	260	2715	8821	SLD 5	0.42	1046	2.946	331433	110815	962923	SLD 9	0.6	2474	4.193	Si
162	127	2715	8821	SLD 5	0.43	1091	2.997	331252	159661	962923	SLD 9	0.52	1916	3.776	Si
181	-6	-2715	-8821	SLD 11	0.43	1132	3.043	328545	208683	962923	SLD 9	0.41	950	2.832	Si
200	-139	-2715	-8821	SLD 11	0.43	1087	2.993	323310	257855	962923	SLD 9	0.34	580	2.313	Si
219	-272	-2715	-8821	SLD 11	0.42	1043	2.943	315548	307178	1466897	SLD 9	0.5	1657	3.558	Si
228	-338	-2715	-8821	SLD 11	0.42	1020	2.916	310720	-331899	-963509	SLD 7	0.51	1768	3.653	Si
247	-471	-2715	-8821	SLD 11	0.41	978	2.866	306193	-352565	-963633	SLD 7	0.48	1489	3.405	Si
265	-597	-2715	-8821	SLD 11	0.41	941	2.821	306193	-352565	-963633	SLD 7	0.48	1489	3.405	Si

Campata 8 tra i fili 56 - ?, sezione R 40x70, asta 1173

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	596214	SLU 36	592503	1865528	0.096						Si
20	7.6	5.4	15.21	5.4	587290	SLU 30	587290	1865528	0.096						Si
40	7.6	5.4	12.49	5.4	574815	SLU 30	587290	1543438	0.089						Si
60	7.6	5.4	12.76	5.4	558719	SLU 30	580696	1575183	0.09						Si
81	7.6	5.4	12.19	5.4	538922	SLU 30	566234	1507862	0.088						Si
91	7.6	5.4	10.83	5.4	527635	SLU 30	557615	1346642	0.085						Si
101	7.6	5.4	7.6	5.4	515424	SLU 30	548070	962923	0.078						Si
111	7.6	5.4	7.6	5.4	502287	SLU 30	537601	962923	0.078						Si
131	7.6	5.4	7.6	5.4	473237	SLU 30	513886	962923	0.078						Si
151	7.6	5.4	7.6	5.4	440487	SLU 30	486471	962923	0.078						Si
171	7.6	5.4	7.6	5.4	404036	SLU 30	455354	962923	0.078						Si
192	7.6	5.4	7.6	5.4	364045	SLU 29	420537	962923	0.078						Si
212	7.6	5.4	7.6	5.4	320878	SLU 29	382019	962923	0.078						Si
232	7.6	5.4	7.6	5.4	274010	SLU 29	340344	962923	0.078						Si
242	7.6	5.4	11.32	5.4	249188	SLU 29	318190	1404459	0.086						Si
262	7.6	5.4	14.03	5.4	196768	SLU 29	271105	1726764	0.093						Si
282	7.6	5.4	15.21	5.4	140160	SLU 29	219878	1865528	0.096						Si
302	7.6	5.4	15.21	5.4	81822	SLU 20	81822	1865528	0.096						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	1343599	SLV 11	1282452	1865528	0.096	-513474	SLV 5	-455450	-963633	0.08	Si
20	7.6	5.4	15.21	5.4	1219689	SLV 11	1219689	1865528	0.096	-398598	SLV 5	-398598	-963633	0.08	Si
40	7.6	5.4	12.49	5.4	1090996	SLV 11	1219689	1543438	0.089	-284809	SLV 5	-398598	-963464	0.08	Si
60	7.6	5.4	12.76	5.4	960829	SLV 11	1147646	1575183	0.09	-175153	SLV 5	-334289	-963484	0.08	Si
81	7.6	5.4	12.19	5.4	828916	SLV 11	1018553	1507862	0.088	-69443	SLV 5	-223193	-963442	0.08	Si
91	7.6	5.4	10.83	5.4	763300	SLV 7	953124	1346642	0.085	-19064	SLV 9	-168897	-963327	0.079	Si
101	7.6	5.4	7.6	5.4	699583	SLV 7	887250	962923	0.078	27993	SLV 9	-115580	-962923	0.078	Si
111	7.6	5.4	7.6	5.4	638697	SLV 7	818476	962923	0.078	70795	SLV 9	-60786	-962923	0.078	Si
131	7.6	5.4	7.6	5.4	520359	SLV 7	692458	962923	0.078						Si
151	7.6	5.4	7.6	5.4	441213	SLV 3	572472	962923	0.078						Si
171	7.6	5.4	7.6	5.4	455193	SLV 1	518700	962923	0.078	115903	SLV 15	-32403	-962923	0.078	Si
192	7.6	5.4	7.6	5.4	499760	SLV 1	603335	962923	0.078	13817	SLV 15	-182764	-962923	0.078	Si
212	7.6	5.4	7.6	5.4	565081	SLV 5	688072	962923	0.078	-114717	SLV 11	-338922	-962923	0.078	Si
232	7.6	5.4	7.6	5.4	651040	SLV 5	770015	962923	0.078	-269583	SLV 11	-497978	-962923	0.078	Si
242	7.6	5.4	11.32	5.4	692981	SLV 5	809930	1404459	0.086	-348112	SLV 11	-578586	-963371	0.08	Si
262	7.6	5.4	14.03	5.4	774759	SLV 5	854353	1726764	0.093	-507337	SLV 11	-670795	-963567	0.08	Si
282	7.6	5.4	15.21	5.4	854353	SLV 5	854353	1865528	0.096	-670795	SLV 11	-670795	-963633	0.08	Si
302	7.6	5.4	15.21	5.4	929850	SLV 5	892830	1865528	0.096	-834404	SLV 11	-751934	-963633	0.08	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	825808	SLD 11	797889	1865528	0.096						Si
20	7.6	5.4	15.21	5.4	768477	SLD 11	768477	1865528	0.096						Si
40	7.6	5.4	12.49	5.4	707396	SLD 11	768477	1543438	0.089						Si
60	7.6	5.4	12.76	5.4	644099	SLD 11	734453	1575183	0.09						Si
81	7.6	5.4	12.19	5.4	578442	SLD 11	672332	1507862	0.088						Si
91	7.6	5.4	10.83	5.4	545168	SLD 7	640286	1346642	0.085						Si
101	7.6	5.4	7.6	5.4	512339	SLD 7	607646	962923	0.078						Si
111	7.6	5.4	7.6	5.4	480365	SLD 7	573326	962923	0.078						Si
131	7.6	5.4	7.6	5.4	416747	SLD 7	508597	962923	0.078						Si
151	7.6	5.4	7.6	5.4	368879	SLD 3	444951	962923	0.078						Si
171	7.6	5.4	7.6	5.4	360607	SLD 1	380487	962923	0.078						Si
192	7.6	5.4	7.6	5.4	364292	SLD 1	384131	962923	0.078						Si
212	7.6	5.4	7.6	5.4	375516	SLD 5	401700	962923	0.078	74848	SLD 11	-52550	-962923	0.078	Si
232	7.6	5.4	7.6	5.4	394327	SLD 5	416445	962923	0.078	-12870	SLD 11	-144409	-962923	0.078	Si
242	7.6	5.4	11.32	5.4	402677	SLD 5	422755	1404459	0.086	-57808	SLD 11	-191411	-963371	0.08	Si
262	7.6	5.4	14.03	5.4	417257	SLD 5	429081	1726764	0.093	-149835	SLD 11	-245523	-963567	0.08	Si
282	7.6	5.4	15.21	5.4	429081	SLD 5	429081	1865528	0.096	-245523	SLD 11	-245523	-963633	0.08	Si
302	7.6	5.4	15.21	5.4	437908	SLD 5	434206	1865528	0.096	-342463	SLD 11	-293310	-963633	0.08	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	12.76	0	-459	SLU 18	-459	-10481	-68363	0	-10481	1	Si
20	0.072	12.19	0	-602	SLU 36	-602	-10324	-68363	-8336	-10324	1	Si
40	0.072	7.6	0	-787	SLU 36	-787	-8821	-68363	-8336	-8821	1	Si
60	0.072	7.6	0	-970	SLU 36	-970	-8821	-68363	-8336	-8821	1	Si
81	0.072	7.6	0	-1154	SLU 36	-1154	-8821	-68363	-8336	-8821	1	Si
91	0.082	7.6	0	-1245	SLU 36	-1245	-8821	-68363	-9527	-9527	1	Si
111	0.082	7.6	0	-1429	SLU 36	-1429	-8821	-68363	-9527	-9527	1	Si
131	0.082	7.6	0	-1612	SLU 36	-1612	-8821	-68363	-9527	-9527	1	Si
151	0.082	7.6	0	-1796	SLU 36	-1796	-8821	-68363	-9527	-9527	1	Si
171	0.082	7.6	0	-1980	SLU 36	-1980	-8821	-68363	-9527	-9527	1	Si
192	0.082	7.6	0	-2163	SLU 36	-2163	-8821	-68363	-9527	-9527	1	Si
212	0.082	7.6	0	-2347	SLU 36	-2347	-8821	-68363	-9527	-9527	1	Si
232	0.086	7.6	0	-2530	SLU 36	-2530	-8821	-68363	-10004	-10004	1	Si
242	0.086	7.6	0	-2622	SLU 36	-2622	-8821	-68363	-10004	-10004	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
262	0.086	7.6	0	-2805	SLU 36	-2805	-8821	-68363	-10004	-10004	1	Si
282	0.086	7.6	0	-2990	SLU 36	-2990	-8821	-68363	-10004	-10004	1	Si
292	0	7.6	0	-3081	SLU 36	-3081	-8821	-68363	0	-8821	1	Si
302	0	11.32	0	-3172	SLU 36	-3172	-10072	-68363	0	-10072	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5825	SLV 5	7380	8821	68363	0	8821	1	Si
0	0	12.76	0	-6136	SLV 11	-7691	-10481	-68363	0	-10481	1	Si
20	0.072	7.6	0	5685	SLV 5	7240	8821	68363	8336	8821	1	Si
20	0.072	12.19	0	-6276	SLV 11	-7831	-10324	-68363	-8336	-10324	1	Si
40	0.072	7.6	0	5543	SLV 5	7098	8821	68363	8336	8821	1	Si
40	0.072	7.6	0	-6419	SLV 11	-7974	-8821	-68363	-8336	-8821	1	Si
60	0.072	7.6	0	5402	SLV 5	6957	8821	68363	8336	8821	1	Si
60	0.072	7.6	0	-6560	SLV 11	-8115	-8821	-68363	-8336	-8821	1	Si
81	0.072	7.6	0	5261	SLV 5	6816	8821	68363	8336	8821	1	Si
81	0.072	7.6	0	-6701	SLV 11	-8256	-8821	-68363	-8336	-8821	1	Si
91	0.082	7.6	0	5190	SLV 5	6745	8821	68363	9527	9527	1	Si
91	0.082	7.6	0	-6772	SLV 11	-8327	-8821	-68363	-9527	-9527	1	Si
111	0.082	7.6	0	5049	SLV 5	6604	8821	68363	9527	9527	1	Si
111	0.082	7.6	0	-6913	SLV 11	-8468	-8821	-68363	-9527	-9527	1	Si
131	0.082	7.6	0	4908	SLV 5	6463	8821	68363	9527	9527	1	Si
131	0.082	7.6	0	-7054	SLV 11	-8609	-8821	-68363	-9527	-9527	1	Si
151	0.082	7.6	0	4766	SLV 5	6321	8821	68363	9527	9527	1	Si
151	0.082	7.6	0	-7195	SLV 11	-8750	-8821	-68363	-9527	-9527	1	Si
171	0.082	7.6	0	4625	SLV 5	6180	8821	68363	9527	9527	1	Si
171	0.082	7.6	0	-7336	SLV 11	-8891	-8821	-68363	-9527	-9527	1	Si
192	0.082	7.6	0	4484	SLV 5	6039	8821	68363	9527	9527	1	Si
192	0.082	7.6	0	-7477	SLV 11	-9032	-8821	-68363	-9527	-9527	1	Si
212	0.082	7.6	0	4343	SLV 5	5898	8821	68363	9527	9527	1	Si
212	0.082	7.6	0	-7619	SLV 11	-9174	-8821	-68363	-9527	-9527	1	Si
232	0.086	7.6	0	4202	SLV 5	5757	8821	68363	10004	10004	1	Si
232	0.086	7.6	0	-7760	SLV 11	-9315	-8821	-68363	-10004	-10004	1	Si
242	0.086	7.6	0	4131	SLV 5	5686	8821	68363	10004	10004	1	Si
242	0.086	7.6	0	-7830	SLV 11	-9385	-8821	-68363	-10004	-10004	1	Si
262	0.086	7.6	0	3990	SLV 5	5545	8821	68363	10004	10004	1	Si
262	0.086	7.6	0	-7972	SLV 11	-9527	-8821	-68363	-10004	-10004	1	Si
282	0.086	7.6	0	3848	SLV 5	5403	8821	68363	10004	10004	1	Si
282	0.086	7.6	0	-8114	SLV 11	-9669	-8821	-68363	-10004	-10004	1	Si
302	0	11.32	0	3708	SLV 5	5263	10072	68363	0	10072	1	Si
302	0	7.6	0	-8254	SLV 11	-9809	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	12.76	0	2490	SLD 5	2490	10481	68363	0	10481	1	Si
0	0	12.76	0	-2801	SLD 11	-2801	-10481	-68363	0	-10481	1	Si
20	0.072	12.19	0	2350	SLD 5	2350	10324	68363	8336	10324	1	Si
20	0.072	12.19	0	-2941	SLD 11	-2941	-10324	-68363	-8336	-10324	1	Si
40	0.072	7.6	0	2208	SLD 5	2208	8821	68363	8336	8821	1	Si
40	0.072	7.6	0	-3083	SLD 11	-3083	-8821	-68363	-8336	-8821	1	Si
60	0.072	7.6	0	2066	SLD 5	2066	8821	68363	8336	8821	1	Si
60	0.072	7.6	0	-3225	SLD 11	-3225	-8821	-68363	-8336	-8821	1	Si
81	0.072	7.6	0	1925	SLD 5	1925	8821	68363	8336	8821	1	Si
81	0.072	7.6	0	-3366	SLD 11	-3366	-8821	-68363	-8336	-8821	1	Si
91	0.082	7.6	0	1855	SLD 5	1855	8821	68363	9527	9527	1	Si
91	0.082	7.6	0	-3436	SLD 11	-3436	-8821	-68363	-9527	-9527	1	Si
111	0.082	7.6	0	1714	SLD 5	1714	8821	68363	9527	9527	1	Si
111	0.082	7.6	0	-3578	SLD 11	-3578	-8821	-68363	-9527	-9527	1	Si
131	0.082	7.6	0	1572	SLD 5	1572	8821	68363	9527	9527	1	Si
131	0.082	7.6	0	-3719	SLD 11	-3719	-8821	-68363	-9527	-9527	1	Si
151	0.082	7.6	0	1431	SLD 5	1431	8821	68363	9527	9527	1	Si
151	0.082	7.6	0	-3860	SLD 11	-3860	-8821	-68363	-9527	-9527	1	Si
171	0.082	7.6	0	1290	SLD 5	1290	8821	68363	9527	9527	1	Si
171	0.082	7.6	0	-4001	SLD 11	-4001	-8821	-68363	-9527	-9527	1	Si
192	0.082	7.6	0	1149	SLD 5	1149	8821	68363	9527	9527	1	Si
192	0.082	7.6	0	-4142	SLD 11	-4142	-8821	-68363	-9527	-9527	1	Si
212	0.082	7.6	0	1008	SLD 5	1008	8821	68363	9527	9527	1	Si
212	0.082	7.6	0	-4283	SLD 11	-4283	-8821	-68363	-9527	-9527	1	Si
232	0.086	7.6	0	867	SLD 5	867	8821	68363	10004	10004	1	Si
232	0.086	7.6	0	-4425	SLD 11	-4425	-8821	-68363	-10004	-10004	1	Si
242	0.086	7.6	0	796	SLD 5	796	8821	68363	10004	10004	1	Si
242	0.086	7.6	0	-4495	SLD 11	-4495	-8821	-68363	-10004	-10004	1	Si
262	0.086	7.6	0	655	SLD 5	655	8821	68363	10004	10004	1	Si
262	0.086	7.6	0	-4636	SLD 11	-4636	-8821	-68363	-10004	-10004	1	Si
282	0.086	7.6	0	512	SLD 5	512	8821	68363	10004	10004	1	Si
282	0.086	7.6	0	-4779	SLD 11	-4779	-8821	-68363	-10004	-10004	1	Si
302	0	11.32	0	372	SLD 5	372	10072	68363	0	10072	1	Si
302	0	7.6	0	-4919	SLD 11	-4919	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	439302	9	437003	15.3	124.5	495.3	1837	415063	2	413501	14.5	93.4	0	+∞	Si
20	433516	3	433516	15.2	124.5	491.3	1837	410545	2	410545	14.4	93.4	0	+∞	Si
40	424985	3	433516	16.2	124.5	593.4	1837	403093	2	410545	15.4	93.4	0	+∞	Si
60	413659	3	429042	15.9	124.5	575.5	1837	392838	2	406678	15.1	93.4	0	+∞	Si
81	399487	3	418974	15.8	124.5	587.1	1837	379737	2	397680	15	93.4	0	+∞	Si
91	391333	3	412872	16.2	124.5	648.2	1837	372118	2	392113	15.4	93.4	0	+∞	Si
111	372890	3	398532	10.4	124.5	155.8	1837	354746	2	378845	17	93.4	0	+∞	Si
131	351600	3	381346	9.9	124.5	149.1	1837	334527	2	362730	16.3	93.4	0	+∞	Si
151	327464	3	361314	9.4	124.5	141.2	1837	311461	2	343767	15.4	93.4	0	+∞	Si
171	300480	3	338434	8.8	124.5	132.3	1837	285548	2	321958	14.4	93.4	0	+∞	Si
192	270758	2	312707	8.1	124.5	122.2	1837	256789	2	297302	13.3	93.4	0	+∞	Si
212	238538	2	284134	7.4	124.5	111.1	1837	225182	2	269800	12.1	93.4	0	+∞	Si
232	203471	2	253077	6.6	124.5	98.9	1837	190729	2	239450	10.7	93.4	0	+∞	Si
242	184870	2	236528	9.2	124.5	355.9	1837	172434	2	223208	8.6	93.4	0	+∞	Si
262	145533	2	201294	7.2	124.5	246.3	1837	133711	2	188588	6.8	93.4	0	+∞	Si
282	102982	2	162883	5.7	124.5	184.6	1837	91779	2	150795	5.3	93.4	0	+∞	Si
302	58318	2	58318	2	124.5	66.1	1837	47723	2	47723	1.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
40	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.012	2	0.012	2	9999	Si
60	0.008	0.007	0.007	0.006	0.007	0.007	0.007	0.006	0.007	0.007	0.017	2	0.016	2	9999	Si
81	0.009	0.008	0.008	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.02	2	0.019	2	9999	Si
91	0.01	0.009	0.009	0.008	0.01	0.009	0.009	0.008	0.009	0.009	0.022	2	0.02	2	9999	Si
111	0.011	0.009	0.01	0.009	0.01	0.009	0.009	0.009	0.01	0.009	0.024	2	0.022	2	9999	Si
131	0.011	0.01	0.01	0.009	0.011	0.01	0.01	0.009	0.011	0.01	0.024	2	0.023	2	9999	Si
141	0.011	0.01	0.01	0.009	0.011	0.01	0.01	0.009	0.011	0.01	0.024	2	0.023	2	9999	Si
151	0.011	0.01	0.01	0.009	0.011	0.01	0.01	0.009	0.01	0.01	0.024	2	0.022	2	9999	Si
171	0.011	0.009	0.01	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.023	2	0.021	2	9999	Si
192	0.01	0.008	0.009	0.008	0.009	0.008	0.008	0.008	0.009	0.008	0.021	2	0.02	2	9999	Si
212	0.008	0.007	0.008	0.007	0.008	0.007	0.007	0.007	0.008	0.007	0.019	2	0.017	2	9999	Si
232	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.015	2	0.014	2	9999	Si
242	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.013	2	0.012	2	9999	Si
262	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
282	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-296	7536	8821	SLV 5	0.44	1147	1.216	410545	-809143	-963633	SLV 5	0.57	2474	1.666	Si
40	-438	-7536	-8821	SLV 11	0.4	923	1.112	410545	809143	1543438	SLV 11	0.5	1691	1.426	Si
60	-579	-7536	-8821	SLV 11	0.4	885	1.093	406678	740968	1575183	SLV 11	0.56	2324	1.624	Si
81	-720	-7536	-8821	SLV 11	0.39	849	1.075	397680	620873	1507862	SLV 11	0.57	2474	1.666	Si
91	-791	-7536	-9527	SLV 11	0.42	1024	1.161	392113	561010	1346642	SLV 11	0.57	2474	1.666	Si
111	-932	-7536	-9527	SLV 11	0.41	981	1.14	378845	439631	962923	SLV 11	0.48	1469	1.346	Si
131	-1073	-7536	-9527	SLV 11	0.41	942	1.122	362730	329728	962923	SLV 7	0.57	2474	1.666	Si
151	-1214	-7536	-9527	SLV 11	0.4	904	1.103	343767	228704	962923	SLV 7	0.57	2474	1.666	Si
171	-1356	-7536	-9527	SLV 11	0.39	867	1.084	243149	275551	962923	SLV 1	0.57	2474	1.666	Si
192	-1497	-7536	-9527	SLV 11	0.39	831	1.065	210286	393049	962923	SLV 5	0.57	2474	1.666	Si
212	-1638	-7536	-9527	SLV 11	0.38	796	1.047	174575	513497	962923	SLV 5	0.55	2163	1.577	Si
232	-1779	-7536	-10004	SLV 11	0.4	881	1.091	136018	633996	962923	SLV 5	0.47	1399	1.319	Si
242	-1850	-7536	-10004	SLV 11	0.39	862	1.082	115672	-694258	-963371	SLV 11	0.55	2236	1.599	Si
262	-1991	-7536	-10004	SLV 11	0.39	826	1.063	91779	-762574	-963567	SLV 11	0.5	1639	1.408	Si
282	-2133	-7536	-10004	SLV 11	0.38	791	1.044	91779	-762574	-963633	SLV 11	0.5	1639	1.408	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-296	-2646	-10324	SLD 11	0.5	1709	3.603	410545	-357932	-963633	SLD 5	0.51	1768	3.653	Si
40	-438	-2646	-8821	SLD 11	0.42	1060	2.962	410545	357932	1543438	SLD 11	0.42	1057	2.959	Si
60	-579	-2646	-8821	SLD 11	0.42	1012	2.906	406678	327775	1575183	SLD 11	0.47	1450	3.368	Si
81	-720	-2646	-8821	SLD 11	0.41	966	2.851	397680	274652	1507862	SLD 11	0.53	2029	3.866	Si
91	-791	-2646	-9527	SLD 11	0.44	1184	3.1	392113	248172	1346642	SLD 11	0.51	1776	3.66	Si
111	-932	-2646	-9527	SLD 11	0.43	1134	3.045	378845	194481	962923	SLD 11	0.4	922	2.797	Si
131	-1073	-2646	-9527	SLD 11	0.43	1085	2.991	362730	145868	962923	SLD 7	0.54	2127	3.941	Si
151	-1214	-2646	-9527	SLD 11	0.42	1036	2.934	343767	101183	962923	SLD 7	0.6	2474	4.193	Si
171	-1356	-2646	-9527	SLD 11	0.41	989	2.879	243149	121918	962923	SLD 1	0.6	2474	4.193	Si
192	-1497	-2646	-9527	SLD 11	0.41	947	2.828	210286	173845	962923	SLD 5	0.57	2438	4.168	Si
212	-1638	-2646	-9527	SLD 11	0.4	906	2.777	174575	227125	962923	SLD 5	0.46	1351	3.272	Si
232	-1779	-2646	-10004	SLD 11	0.42	1007	2.9	136018	280427	962923	SLD 5	0.4	882	2.747	Si
242	-1850	-2646	-10004	SLD 11	0.41	983	2.872	115672	-307083	-963371	SLD 11	0.47	1396	3.316	Si
262	-1991	-2646	-10004	SLD 11	0.41	941	2.821	91779	-337302	-963567	SLD 11	0.42	1023	2.919	Si
282	-2133	-2646	-10004	SLD 11	0.4	901	2.771	91779	-337302	-963633	SLD 11	0.42	1025	2.922	Si

Campata 9 tra i fili ? - ?, sezione R 40x70, asta 1174

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	549872	SLU 30	514685	1865528	0.096						Si
20	7.6	5.4	15.21	5.4	478291	SLU 30	478291	1865528	0.096						Si
45	7.6	5.4	15.21	5.4	382562	SLU 30	478291	1865528	0.096						Si
68	7.6	5.4	13.62	5.4	291790	SLU 30	407199	1677312	0.092						Si
91	7.6	5.4	7.6	5.4	196275	SLU 30	317768	962923	0.078						Si
102	7.6	5.4	7.6	5.4	146738	SLU 30	271273	962923	0.078						Si
125	7.6	5.4	7.6	5.4	46331	SLU 36	174726	962923	0.078	27886	SLU 1	-95404	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	-34550	SLU 8	74282	962923	0.078	-64052	SLU 29	-208909	-962923	0.078	Si
170	7.6	5.4	7.6	5.4						-176217	SLU 29	-327159	-962923	0.078	Si
193	7.6	5.4	7.6	5.4						-293127	SLU 29	-450152	-962923	0.078	Si
215	11.81	5.4	7.6	5.4						-414780	SLU 29	-577890	-1463161	0.087	Si
238	13.95	5.4	7.6	5.4						-541177	SLU 29	-710372	-1716688	0.093	Si
261	15.21	5.4	7.6	5.4						-672319	SLU 29	-847598	-1865528	0.096	Si
272	18.28	5.4	7.6	5.4						-739669	SLU 29	-917990	-2229780	0.105	Si
295	20.42	5.4	10.48	5.4						-877927	SLU 29	-1038171	-2482344	0.105	Si
320	22.81	5.4	11.4	5.4						-1038171	SLU 29	-1038171	-2764523	0.109	Si
340	22.81	5.4	11.4	5.4						-1168675	SLU 29	-1102085	-2764523	0.109	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	1517391	SLV 7	1417354	1865528	0.096	-760202	SLV 9	-707628	-963633	0.08	Si
20	7.6	5.4	15.21	5.4	1317370	SLV 7	1317370	1865528	0.096	-657061	SLV 9	-657061	-963633	0.08	Si
45	7.6	5.4	15.21	5.4	1060159	SLV 7	1317370	1865528	0.096	-530350	SLV 9	-657061	-963633	0.08	Si
68	7.6	5.4	13.62	5.4	826162	SLV 7	1125507	1677312	0.092	-420992	SLV 9	-562034	-963542	0.08	Si
91	7.6	5.4	7.6	5.4	588700	SLV 7	892517	962923	0.078	-315465	SLV 9	-451620	-962923	0.078	Si
102	7.6	5.4	7.6	5.4	468790	SLV 7	774697	962923	0.078	-264261	SLV 9	-397825	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	231580	SLV 7	536539	962923	0.078	-169936	SLV 9	-293192	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	56949	SLV 15	297610	962923	0.078	-145488	SLV 1	-378510	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	74281	SLV 13	143101	962923	0.078	-320303	SLV 3	-602001	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	118792	SLV 9	227444	962923	0.078	-529594	SLV 7	-860485	-962923	0.078	Si
215	11.81	5.4	7.6	5.4	204056	SLV 9	308368	963412	0.08	-786939	SLV 7	-1122849	-1463161	0.087	Si
238	13.95	5.4	7.6	5.4	285973	SLV 9	385734	963562	0.08	-1048234	SLV 7	-1388954	-1716688	0.093	Si
261	15.21	5.4	7.6	5.4	364352	SLV 9	459496	963633	0.08	-1313290	SLV 7	-1658753	-1865528	0.096	Si
272	18.28	5.4	7.6	5.4	402195	SLV 9	495019	963769	0.081	-1447208	SLV 7	-1795032	-2229780	0.105	Si
295	20.42	5.4	10.48	5.4	475171	SLV 9	552359	1304985	0.084	-1717809	SLV 7	-2024674	-2482344	0.105	Si
320	22.81	5.4	11.4	5.4	552359	SLV 9	552359	1414181	0.085	-2024674	SLV 7	-2024674	-2764523	0.109	Si
340	22.81	5.4	11.4	5.4	610237	SLV 9	581773	1414181	0.085	-2270021	SLV 7	-2145811	-2764523	0.109	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	882445	SLD 7	824954	1865528	0.096	-125256	SLD 9	-115229	-963633	0.08	Si
20	7.6	5.4	15.21	5.4	766944	SLD 7	766944	1865528	0.096	-106635	SLD 9	-106635	-963633	0.08	Si
45	7.6	5.4	15.21	5.4	616768	SLD 7	766944	1865528	0.096	-86959	SLD 9	-106635	-963633	0.08	Si
68	7.6	5.4	13.62	5.4	478496	SLD 7	655064	1677312	0.092	-73326	SLD 9	-91591	-963542	0.08	Si
91	7.6	5.4	7.6	5.4	336656	SLD 7	517813	962923	0.078	-63421	SLD 9	-76916	-962923	0.078	Si
102	7.6	5.4	7.6	5.4	264450	SLD 7	447838	962923	0.078	-59921	SLD 9	-70966	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	119660	SLD 7	305246	962923	0.078	-58016	SLD 9	-114247	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	507	SLD 15	160274	962923	0.078	-89047	SLD 1	-248876	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	-35736	SLD 13	26510	962923	0.078	-210285	SLD 3	-394214	-962923	0.078	Si
193	7.6	5.4	7.6	5.4						-348770	SLD 7	-557123	-962923	0.078	Si
215	11.81	5.4	7.6	5.4						-510601	SLD 7	-723782	-1463161	0.087	Si
238	13.95	5.4	7.6	5.4						-676212	SLD 7	-894129	-1716688	0.093	Si
261	15.21	5.4	7.6	5.4						-845520	SLD 7	-1068145	-1865528	0.096	Si
272	18.28	5.4	7.6	5.4						-931553	SLD 7	-1156527	-2229780	0.105	Si
295	20.42	5.4	10.48	5.4						-1106366	SLD 7	-1306159	-2482344	0.105	Si
320	22.81	5.4	11.4	5.4						-1306159	SLD 7	-1306159	-2764523	0.109	Si
340	22.81	5.4	11.4	5.4						-1466968	SLD 7	-1385323	-2764523	0.109	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.62	0	-3458	SLU 29	-3458	-10712	-68363	0	-10712	1	Si
20	0.115	12.09	0	-3641	SLU 29	-3641	-10296	-68363	-13338	-13338	1	Si
45	0.115	7.6	0	-3874	SLU 29	-3874	-8821	-68363	-13338	-13338	1	Si
68	0.115	7.6	0	-4081	SLU 29	-4081	-8821	-68363	-13338	-13338	1	Si
91	0.119	7.6	0	-4289	SLU 29	-4289	-8821	-68363	-13859	-13859	1	Si
102	0.119	7.6	0	-4393	SLU 29	-4393	-8821	-68363	-13859	-13859	1	Si
125	0.119	7.6	0	-4601	SLU 29	-4601	-8821	-68363	-13859	-13859	1	Si
147	0.119	7.6	0	-4809	SLU 29	-4809	-8821	-68363	-13859	-13859	1	Si
170	0.119	7.6	0	-5016	SLU 29	-5016	-8821	-68363	-13859	-13859	1	Si
193	0.119	7.6	0	-5224	SLU 29	-5224	-8821	-68363	-13859	-13859	1	Si
215	0.119	7.6	0	-5432	SLU 29	-5432	-8821	-68363	-13859	-13859	1	Si
238	0.119	7.6	0	-5640	SLU 29	-5640	-8821	-68363	-13859	-13859	1	Si
261	0.129	7.6	0	-5847	SLU 29	-5847	-8821	-68363	-15005	-15005	1	Si
272	0.129	10.74	0	-5951	SLU 29	-5951	-9899	-68363	-15005	-15005	1	Si
295	0.129	12.88	0	-6159	SLU 29	-6159	-10516	-68363	-15005	-15005	1	Si
320	0.129	15.21	0	-6391	SLU 29	-6391	-11113	-68363	-15005	-15005	1	Si
329	0	15.21	0	-6471	SLU 29	-6471	-11113	-68363	0	-11113	1	Si
340	0	18.28	0	-6575	SLU 29	-6575	-11817	-68363	0	-11817	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5198	SLV 9	7155	8821	68363	0	8821	1	Si
0	0	13.62	0	-9857	SLV 7	-11814	-10712	-68363	0	-10712	1	Si
20	0.115	7.6	0	5057	SLV 9	7014	8821	68363	13338	13338	1	Si
20	0.115	12.09	0	-9998	SLV 7	-11956	-10296	-68363	-13338	-13338	1	Si
45	0.115	7.6	0	4878	SLV 9	6835	8821	68363	13338	13338	1	Si
45	0.115	7.6	0	-10177	SLV 7	-12134	-8821	-68363	-13338	-13338	1	Si
68	0.115	7.6	0	4718	SLV 9	6675	8821	68363	13338	13338	1	Si
68	0.115	7.6	0	-10337	SLV 7	-12294	-8821	-68363	-13338	-13338	1	Si
91	0.119	7.6	0	4558	SLV 9	6516	8821	68363	13859	13859	1	Si
91	0.119	7.6	0	-10497	SLV 7	-12454	-8821	-68363	-13859	-13859	1	Si
102	0.119	7.6	0	4479	SLV 9	6436	8821	68363	13859	13859	1	Si
102	0.119	7.6	0	-10577	SLV 7	-12534	-8821	-68363	-13859	-13859	1	Si
125	0.119	7.6	0	4319	SLV 9	6276	8821	68363	13859	13859	1	Si
125	0.119	7.6	0	-10736	SLV 7	-12694	-8821	-68363	-13859	-13859	1	Si
147	0.119	7.6	0	4159	SLV 9	6116	8821	68363	13859	13859	1	Si
147	0.119	7.6	0	-10896	SLV 7	-12853	-8821	-68363	-13859	-13859	1	Si
170	0.119	7.6	0	3999	SLV 9	5956	8821	68363	13859	13859	1	Si
170	0.119	7.6	0	-11056	SLV 7	-13013	-8821	-68363	-13859	-13859	1	Si
193	0.119	7.6	0	3839	SLV 9	5796	8821	68363	13859	13859	1	Si
193	0.119	7.6	0	-11216	SLV 7	-13173	-8821	-68363	-13859	-13859	1	Si
215	0.119	7.6	0	3679	SLV 9	5637	8821	68363	13859	13859	1	Si
215	0.119	7.6	0	-11376	SLV 7	-13333	-8821	-68363	-13859	-13859	1	Si
238	0.119	7.6	0	3520	SLV 9	5477	8821	68363	13859	13859	1	Si
238	0.119	7.6	0	-11536	SLV 7	-13493	-8821	-68363	-13859	-13859	1	Si
261	0.129	7.6	0	3360	SLV 9	5317	8821	68363	15005	15005	1	Si
261	0.129	7.6	0	-11695	SLV 7	-13653	-8821	-68363	-15005	-15005	1	Si
272	0.129	7.6	0	3280	SLV 9	5237	8821	68363	15005	15005	1	Si
272	0.129	10.74	0	-11775	SLV 7	-13732	-9899	-68363	-15005	-15005	1	Si
295	0.129	7.6	0	3120	SLV 9	5077	8821	68363	15005	15005	1	Si
295	0.129	12.88	0	-11935	SLV 7	-13892	-10516	-68363	-15005	-15005	1	Si
320	0.129	7.6	0	2941	SLV 9	4898	8821	68363	15005	15005	1	Si
320	0.129	15.21	0	-12114	SLV 7	-14071	-11113	-68363	-15005	-15005	1	Si
329	0	7.6	0	2880	SLV 9	4837	8821	68363	0	8821	1	Si
329	0	15.21	0	-12175	SLV 7	-14132	-11113	-68363	0	-11113	1	Si
340	0	7.6	0	2800	SLV 9	4757	8821	68363	0	8821	1	Si
340	0	18.28	0	-12255	SLV 7	-14212	-11817	-68363	0	-11817	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1000	SLD 9	1000	8821	68363	0	8821	1	Si
0	0	13.62	0	-5660	SLD 7	-5660	-10712	-68363	0	-10712	1	Si
20	0.115	7.6	0	859	SLD 9	859	8821	68363	13338	13338	1	Si
20	0.115	12.09	0	-5801	SLD 7	-5801	-10296	-68363	-13338	-13338	1	Si
45	0.115	7.6	0	681	SLD 9	681	8821	68363	13338	13338	1	Si
45	0.115	7.6	0	-5980	SLD 7	-5980	-8821	-68363	-13338	-13338	1	Si
68	0.115	7.6	0	521	SLD 9	521	8821	68363	13338	13338	1	Si
68	0.115	7.6	0	-6140	SLD 7	-6140	-8821	-68363	-13338	-13338	1	Si
91	0.119	7.6	0	361	SLD 9	361	8821	68363	13859	13859	1	Si
91	0.119	7.6	0	-6299	SLD 7	-6299	-8821	-68363	-13859	-13859	1	Si
102	0.119	7.6	0	281	SLD 9	281	8821	68363	13859	13859	1	Si
102	0.119	7.6	0	-6379	SLD 7	-6379	-8821	-68363	-13859	-13859	1	Si
125	0.119	7.6	0	121	SLD 9	121	8821	68363	13859	13859	1	Si
125	0.119	7.6	0	-6539	SLD 7	-6539	-8821	-68363	-13859	-13859	1	Si
147	0.119	7.6	0	-6699	SLD 7	-6699	-8821	-68363	-13859	-13859	1	Si
170	0.119	7.6	0	-6859	SLD 7	-6859	-8821	-68363	-13859	-13859	1	Si
193	0.119	7.6	0	-7019	SLD 7	-7019	-8821	-68363	-13859	-13859	1	Si
215	0.119	7.6	0	-7178	SLD 7	-7178	-8821	-68363	-13859	-13859	1	Si
238	0.119	7.6	0	-7338	SLD 7	-7338	-8821	-68363	-13859	-13859	1	Si
261	0.129	7.6	0	-7498	SLD 7	-7498	-8821	-68363	-15005	-15005	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
272	0.129	10.74	0	-7578	SLD 7	-7578	-9899	-68363	-15005	-15005	1	Si
295	0.129	12.88	0	-7738	SLD 7	-7738	-10516	-68363	-15005	-15005	1	Si
320	0.129	15.21	0	-7916	SLD 7	-7916	-11113	-68363	-15005	-15005	1	Si
329	0	15.21	0	-7978	SLD 7	-7978	-11113	-68363	0	-11113	1	Si
340	0	18.28	0	-8057	SLD 7	-8057	-11817	-68363	0	-11817	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	404806	3	379094	13.3	124.5	429.7	1837	378594	2	354863	12.4	93.4	0	+∞	Si
20	352434	3	352434	12.3	124.5	399.4	1837	330154	2	330154	11.5	93.4	0	+∞	Si
45	282205	3	352434	12.3	124.5	399.4	1837	264904	2	330154	11.5	93.4	0	+∞	Si
68	215430	3	300295	10.9	124.5	378.3	1837	202585	2	281736	10.2	93.4	0	+∞	Si
91	145006	3	234551	6.1	124.5	91.7	1837	136617	2	220448	9.9	93.4	0	+∞	Si
102	108425	3	200311	5.2	124.5	78.3	1837	102264	2	188436	8.5	93.4	0	+∞	Si
125	34010	9	129093	3.4	124.5	50.5	1837	30822	2	121674	5.5	93.4	0	+∞	Si
147	-47542	2	-155054	4	124.5	60.6	1837	-44270	2	-146028	6.6	93.4	0	+∞	Si
170	-130769	2	-242961	6.3	124.5	95	1837	-123011	2	-229450	10.3	93.4	0	+∞	Si
193	-217645	2	-334517	8.7	124.5	130.8	1837	-205401	2	-316520	14.2	93.4	0	+∞	Si
215	-308170	2	-429723	16.4	124.5	620.6	1837	-291441	2	-407241	15.5	93.4	0	+∞	Si
238	-402345	2	-528578	19	124.5	650.7	1837	-381130	2	-501610	18.1	93.4	0	+∞	Si
261	-500169	2	-631082	22.1	124.5	715.3	1837	-474469	2	-599629	21	93.4	0	+∞	Si
272	-550450	2	-683703	22.5	124.5	649.7	1837	-522506	2	-650007	21.4	93.4	0	+∞	Si
295	-653748	2	-773600	23.6	124.5	658.6	1837	-621319	2	-736157	22.4	93.4	0	+∞	Si
320	-773600	2	-773600	22.5	124.5	591.8	1837	-736157	2	-736157	21.4	93.4	0	+∞	Si
340	-871293	2	-821427	23.9	124.5	628.4	1837	-829892	2	-782019	22.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
45	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
68	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	1	-0.001	1	9999	Si
91	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.003	1	-0.004	1	9999	Si
102	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
125	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.008	1	9999	Si
147	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.01	1	-0.011	1	9999	Si
170	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.012	1	-0.013	1	9999	Si
193	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.014	1	-0.016	1	9999	Si
215	-0.007	-0.008	-0.006	-0.007	-0.007	-0.008	-0.006	-0.007	-0.007	-0.008	-0.016	1	-0.017	1	9999	Si
238	-0.007	-0.009	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.016	1	-0.018	1	9999	Si
261	-0.007	-0.008	-0.006	-0.007	-0.007	-0.008	-0.006	-0.007	-0.007	-0.008	-0.016	1	-0.017	1	9999	Si
272	-0.007	-0.008	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.015	1	-0.016	1	9999	Si
295	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.012	1	-0.013	1	9999	Si
320	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-2471	-9485	-13338	SLV 7	0.41	993	1.146	330154	-987216	-963633	SLV 9	0.47	1417	1.326	Si
45	-2649	-9485	-13338	SLV 7	0.41	952	1.126	330154	-987216	-963633	SLV 9	0.47	1417	1.326	Si
68	-2809	-9485	-13338	SLV 7	0.4	918	1.11	281736	-843770	-963542	SLV 9	0.53	1947	1.511	Si
91	-2969	-9485	-13859	SLV 7	0.42	999	1.149	220448	672068	962923	SLV 7	0.4	907	1.104	Si
102	-3049	-9485	-13859	SLV 7	0.41	979	1.139	188436	586261	962923	SLV 7	0.47	1447	1.337	Si
125	-3209	-9485	-13859	SLV 7	0.41	944	1.123	121674	414865	962923	SLV 7	0.57	2474	1.666	Si
147	-3369	-9485	-13859	SLV 7	0.4	910	1.106	-146028	-232482	-962923	SLV 3	0.57	2474	1.666	Si
170	-3529	-9485	-13859	SLV 7	0.39	876	1.089	-229450	-372551	-962923	SLV 7	0.57	2474	1.666	Si
193	-3688	-9485	-13859	SLV 7	0.39	844	1.072	-316520	-543965	-962923	SLV 7	0.43	1094	1.193	Si
215	-3848	-9485	-13859	SLV 7	0.38	812	1.055	-407241	-715608	-1463161	SLV 7	0.53	1946	1.51	Si
238	-4008	-9485	-13859	SLV 7	0.38	780	1.038	-501610	-887344	-1716688	SLV 7	0.49	1593	1.391	Si
261	-4168	-9485	-15005	SLV 7	0.41	986	1.143	-599629	-1059125	-1865528	SLV 7	0.43	1111	1.2	Si
272	-4248	-9485	-15005	SLV 7	0.41	967	1.134	-650007	-1145026	-2229780	SLV 7	0.49	1626	1.403	Si
295	-4408	-9485	-15005	SLV 7	0.4	933	1.117	-736157	-1288516	-2482344	SLV 7	0.49	1550	1.376	Si
320	-4586	-9485	-15005	SLV 7	0.4	895	1.098	-736157	-1288516	-2764523	SLV 7	0.56	2313	1.621	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-2471	-3330	-13338	SLD 7	0.44	1147	3.059	330154	-436789	-963633	SLD 9	0.4	891	2.759	Si
45	-2649	-3330	-13338	SLD 7	0.43	1097	3.004	330154	-436789	-963633	SLD 9	0.4	891	2.759	Si
68	-2809	-3330	-13338	SLD 7	0.42	1054	2.955	281736	-373328	-963542	SLD 9	0.45	1216	3.134	Si
91	-2969	-3330	-13859	SLD 7	0.44	1153	3.066	220448	297364	962923	SLD 7	0.34	589	2.328	Si
102	-3049	-3330	-13859	SLD 7	0.43	1131	3.042	188436	259402	962923	SLD 7	0.4	909	2.781	Si
125	-3209	-3330	-13859	SLD 7	0.43	1087	2.993	121674	183572	962923	SLD 7	0.6	2474	4.193	Si
147	-3369	-3330	-13859	SLD 7	0.42	1043	2.943	-146028	-102847	-962923	SLD 3	0.6	2474	4.193	Si
170	-3529	-3330	-13859	SLD 7	0.42	1001	2.893	-229450	-164765	-962923	SLD 7	0.59	2474	4.193	Si
193	-3688	-3330	-13859	SLD 7	0.41	960	2.844	-316520	-240603	-962923	SLD 7	0.36	702	2.502	Si
215	-3848	-3330	-13859	SLD 7	0.4	924	2.8	-407241	-316541	-1463161	SLD 7	0.45	1216	3.134	Si
238	-4008	-3330	-13859	SLD 7	0.4	889	2.756	-501610	-392519	-1716688	SLD 7	0.42	994	2.885	Si
261	-4168	-3330	-15005	SLD 7	0.44	1139	3.051	-599629	-468517	-1865528	SLD 7	0.36	713	2.518	Si
272	-4248	-3330	-15005	SLD 7	0.43	1117	3.026	-650007	-506520	-2229780	SLD 7	0.42	1016	2.911	Si
295	-4408	-3330	-15005	SLD 7	0.43	1072	2.976	-736157	-570002	-2482344	SLD 7	0.41	968	2.854	Si
320	-4586	-3330	-15005	SLD 7	0.42	1023	2.919	-736157	-570002	-2764523	SLD 7	0.47	1443	3.361	Si

Campata 10 tra i fili ? - ?, sezione R 40x70, asta 1175

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	11.4	5.4						-804788	SLU 29	-758271	-2764523	0.109	Si
18	22.81	5.4	11.4	5.4						-720149	SLU 29	-719944	-2764523	0.109	Si
20	22.81	5.4	11.4	5.4						-712659	SLU 29	-712659	-2764523	0.109	Si
37	21.24	5.4	11.4	5.4						-638513	SLU 29	-712659	-2578950	0.105	Si
55	19.51	5.4	10.32	5.4						-559880	SLU 29	-686011	-2374650	0.103	Si
73	15.21	5.4	7.6	5.4						-484251	SLU 29	-605619	-1865528	0.096	Si
82	15.21	5.4	7.6	5.4						-447563	SLU 29	-566550	-1865528	0.096	Si
101	15.21	5.4	7.6	5.4						-376439	SLU 29	-490663	-1865528	0.096	Si
119	15.21	5.4	7.6	5.4						-308318	SLU 29	-417781	-1865528	0.096	Si
137	15.21	5.4	7.6	5.4						-243201	SLU 29	-347901	-1865528	0.096	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
156	15.21	5.4	7.6	5.4						-181088	SLU 29	-281025	-1865528	0.096	Si
174	15.21	5.4	7.6	5.4						-121977	SLU 29	-217153	-1865528	0.096	Si
192	15.21	5.4	11.8	5.4	-30937	SLU 1	34059	1461203	0.086	-66293	SLU 30	-156283	-1865056	0.092	Si
202	15.21	5.4	13.03	5.4	-13074	SLU 1	54964	1607497	0.087	-39820	SLU 30	-126975	-1864933	0.092	Si
220	15.21	5.4	15.21	5.4	30457	SLU 19	98368	1864772	0.091	-2721	SLU 18	-70956	-1864772	0.091	Si
238	15.21	5.4	15.21	5.4	71773	SLU 19	112993	1864772	0.091	29912	SLU 18	-22946	-1864772	0.091	Si
255	15.21	5.4	15.21	5.4	112993	SLU 20	112993	1864772	0.091						Si
257	15.21	5.4	15.21	5.4	117103	SLU 20	116926	1864772	0.091						Si
275	15.21	5.4	15.21	5.4	160066	SLU 20	137618	1864772	0.091						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	11.4	5.4	1359655	SLV 11	1261344	1414181	0.085	-2521628	SLV 5	-2354719	-2764523	0.109	Si
18	22.81	5.4	11.4	5.4	1176503	SLV 11	1175934	1414181	0.085	-2213750	SLV 5	-2212882	-2764523	0.109	Si
20	22.81	5.4	11.4	5.4	1159698	SLV 11	1159698	1414181	0.085	-2185922	SLV 5	-2185922	-2764523	0.109	Si
37	21.24	5.4	11.4	5.4	991085	SLV 11	1159698	1414187	0.085	-1908226	SLV 5	-2185922	-2578950	0.105	Si
55	19.51	5.4	10.32	5.4	803424	SLV 11	1099907	1285604	0.084	-1605081	SLV 5	-2086907	-2374650	0.103	Si
73	15.21	5.4	7.6	5.4	613570	SLV 11	913556	963633	0.08	-1304363	SLV 5	-1782366	-1865528	0.096	Si
82	15.21	5.4	7.6	5.4	517851	SLV 11	819542	963633	0.08	-1154945	SLV 5	-1630990	-1865528	0.096	Si
101	15.21	5.4	7.6	5.4	334777	SLV 15	629875	963633	0.08	-867937	SLV 1	-1330062	-1865528	0.096	Si
119	15.21	5.4	7.6	5.4	229675	SLV 15	438117	963633	0.08	-663523	SLV 1	-1031666	-1865528	0.096	Si
137	15.21	5.4	7.6	5.4	130309	SLV 15	291349	963633	0.08	-469465	SLV 1	-782879	-1865528	0.096	Si
156	15.21	5.4	7.6	5.4	144609	SLV 9	519264	963633	0.08	-393694	SLV 7	-635084	-1865528	0.096	Si
174	15.21	5.4	7.6	5.4	379029	SLV 9	765506	963633	0.08	-542664	SLV 7	-803202	-1865528	0.096	Si
192	15.21	5.4	11.8	5.4	621538	SLV 9	1052660	1461203	0.086	-704343	SLV 7	-1016853	-1865056	0.092	Si
202	15.21	5.4	13.03	5.4	752938	SLV 9	1191874	1607497	0.087	-797061	SLV 7	-1121049	-1864933	0.092	Si
220	15.21	5.4	15.21	5.4	1028812	SLV 5	1469600	1864772	0.091	-999037	SLV 11	-1332202	-1864772	0.091	Si
238	15.21	5.4	15.21	5.4	1307151	SLV 5	1559081	1864772	0.091	-1208097	SLV 11	-1401143	-1864772	0.091	Si
255	15.21	5.4	15.21	5.4	1559081	SLV 5	1559081	1864772	0.091	-1401143	SLV 11	-1401143	-1864772	0.091	Si
257	15.21	5.4	15.21	5.4	1584230	SLV 5	1583438	1864772	0.091	-1420519	SLV 11	-1419982	-1864772	0.091	Si
275	15.21	5.4	15.21	5.4	1859381	SLV 5	1711577	1864772	0.091	-1635634	SLV 11	-1519090	-1864772	0.091	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	11.4	5.4	277646	SLD 11	253276	1414181	0.085	-1439619	SLD 5	-1346650	-2764523	0.109	Si
18	22.81	5.4	11.4	5.4	231388	SLD 11	231219	1414181	0.085	-1268635	SLD 5	-1268167	-2764523	0.109	Si
20	22.81	5.4	11.4	5.4	227026	SLD 11	227026	1414181	0.085	-1253249	SLD 5	-1253249	-2764523	0.109	Si
37	21.24	5.4	11.4	5.4	182838	SLD 11	227026	1414187	0.085	-1099980	SLD 5	-1253249	-2578950	0.105	Si
55	19.51	5.4	10.32	5.4	132008	SLD 11	211507	1285604	0.084	-933665	SLD 5	-1198508	-2374650	0.103	Si
73	15.21	5.4	7.6	5.4	78919	SLD 11	162011	963633	0.08	-769711	SLD 5	-1030821	-1865528	0.096	Si
82	15.21	5.4	7.6	5.4	51541	SLD 11	136410	963633	0.08	-688634	SLD 5	-947857	-1865528	0.096	Si
101	15.21	5.4	7.6	5.4	-482	SLD 15	83513	963633	0.08	-532678	SLD 1	-783701	-1865528	0.096	Si
119	15.21	5.4	7.6	5.4	-19304	SLD 15	28403	963633	0.08	-414544	SLD 1	-621952	-1865528	0.096	Si
137	15.21	5.4	7.6	5.4	-36906	SLD 15	69144	963633	0.08	-302251	SLD 1	-483437	-1865528	0.096	Si
156	15.21	5.4	7.6	5.4	-5527	SLD 9	197387	963633	0.08	-243558	SLD 7	-366634	-1865528	0.096	Si
174	15.21	5.4	7.6	5.4	122013	SLD 9	328109	963633	0.08	-285648	SLD 7	-365805	-1865528	0.096	Si
192	15.21	5.4	11.8	5.4	251839	SLD 9	475646	1461203	0.086	-334644	SLD 7	-439839	-1865056	0.092	Si
202	15.21	5.4	13.03	5.4	320758	SLD 9	547001	1607497	0.087	-364881	SLD 7	-476175	-1864933	0.092	Si
220	15.21	5.4	15.21	5.4	463414	SLD 5	688433	1864772	0.091	-433639	SLD 11	-551036	-1864772	0.091	Si
238	15.21	5.4	15.21	5.4	605872	SLD 5	733748	1864772	0.091	-506818	SLD 11	-575810	-1864772	0.091	Si
255	15.21	5.4	15.21	5.4	733748	SLD 5	733748	1864772	0.091	-575810	SLD 11	-575810	-1864772	0.091	Si
257	15.21	5.4	15.21	5.4	746484	SLD 5	746063	1864772	0.091	-582774	SLD 11	-582607	-1864772	0.091	Si
275	15.21	5.4	15.21	5.4	884955	SLD 5	810848	1864772	0.091	-661208	SLD 11	-618361	-1864772	0.091	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.64	0	4762	SLU 20	4762	11895	68363	0	11895	1	Si
9	0	15.21	0	4679	SLU 20	4679	11113	68363	0	11113	1	Si
18	0	15.21	0	4597	SLU 20	4597	11113	68363	0	11113	1	Si
20	0.187	15.21	0	4582	SLU 20	4582	11113	68363	21675	21675	1	Si
37	0.187	15.21	0	4431	SLU 20	4431	11113	68363	21675	21675	1	Si
55	0.187	15.21	0	4266	SLU 20	4266	11113	68363	21675	21675	1	Si
73	0.187	15.21	0	4101	SLU 20	4101	11113	68363	21675	21675	1	Si
82	0.187	15.21	0	4018	SLU 20	4018	11113	68363	21675	21675	1	Si
101	0.18	15.21	0	3853	SLU 20	3853	11113	68363	20885	20885	1	Si
119	0.18	15.21	0	3687	SLU 20	3687	11113	68363	20885	20885	1	Si
137	0.18	15.21	0	3522	SLU 20	3522	11113	68363	20885	20885	1	Si
156	0.18	15.21	0	3357	SLU 20	3357	11113	68363	20885	20885	1	Si
174	0.18	15.21	0	3191	SLU 20	3191	11113	68363	20885	20885	1	Si
192	0.172	15.21	0	3026	SLU 20	3026	11113	68363	20007	20007	1	Si
202	0.172	15.21	0	2943	SLU 20	2943	11113	68363	20007	20007	1	Si
220	0.172	7.6	0	2778	SLU 20	2778	8821	68363	20007	20007	1	Si
238	0.172	7.6	0	2613	SLU 20	2613	8821	68363	20007	20007	1	Si
255	0.172	11.8	0	2463	SLU 20	2463	10213	68363	20007	20007	1	Si
257	0	11.8	0	2448	SLU 20	2448	10213	68363	0	10213	1	Si
275	0	14.27	0	2282	SLU 20	2282	10880	68363	0	10880	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.64	0	17018	SLV 5	20534	11895	68363	0	11895	1	Si
0	0	9.7	0	-10026	SLV 11	-13542	-9567	-68363	0	-9567	1	Si
9	0	15.21	0	16955	SLV 5	20471	11113	68363	0	11113	1	Si
9	0	7.6	0	-10089	SLV 11	-13605	-8821	-68363	0	-8821	1	Si
18	0	15.21	0	16891	SLV 5	20407	11113	68363	0	11113	1	Si
18	0	7.6	0	-10153	SLV 11	-13669	-8821	-68363	0	-8821	1	Si
20	0.187	15.21	0	16880	SLV 5	20396	11113	68363	21675	21675	1	Si
20	0.187	7.6	0	-10165	SLV 11	-13680	-8821	-68363	-21675	-21675	1	Si
37	0.187	15.21	0	16764	SLV 5	20280	11113	68363	21675	21675	1	Si
37	0.187	7.6	0	-10280	SLV 11	-13796	-8821	-68363	-21675	-21675	1	Si
55	0.187	15.21	0	16637	SLV 5	20153	11113	68363	21675	21675	1	Si
55	0.187	7.6	0	-10407	SLV 11	-13923	-8821	-68363	-21675	-21675	1	Si
73	0.187	15.21	0	16510	SLV 5	20026	11113	68363	21675	21675	1	Si
73	0.187	7.6	0	-10535	SLV 11	-14050	-8821	-68363	-21675	-21675	1	Si
82	0.187	15.21	0	16446	SLV 5	19962	11113	68363	21675	21675	1	Si
82	0.187	7.6	0	-10598	SLV 11	-14114	-8821	-68363	-21675	-21675	1	Si
101	0.18	15.21	0	16319	SLV 5	19835	11113	68363	20885	20885	1	Si
101	0.18	7.6	0	-10725	SLV 11	-14241	-8821	-68363	-20885	-20885	1	Si
119	0.18	15.21	0	16192	SLV 5	19708	11113	68363	20885	20885	1	Si
119	0.18	7.6	0	-10852	SLV 11	-14368	-8821	-68363	-20885	-20885	1	Si
137	0.18	15.21	0	16065	SLV 5	19580	11113	68363	20885	20885	1	Si
137	0.18	15.21	0	-10980	SLV 11	-14495	-11113	-68363	-20885	-20885	1	Si
156	0.18	7.6	0	15938	SLV 5	19453	8821	68363	20885	20885	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
156	0.18	15.21	0	-11107	SLV 11	-14623	-11113	-68363	-20885	-20885	1	Si
174	0.18	7.6	0	15810	SLV 5	19326	8821	68363	20885	20885	1	Si
174	0.18	15.21	0	-11234	SLV 11	-14750	-11113	-68363	-20885	-20885	1	Si
192	0.172	7.6	0	15683	SLV 5	19199	8821	68363	20007	20007	1	Si
192	0.172	15.21	0	-11361	SLV 11	-14877	-11113	-68363	-20007	-20007	1	Si
202	0.172	7.6	0	15620	SLV 5	19135	8821	68363	20007	20007	1	Si
202	0.172	15.21	0	-11425	SLV 11	-14941	-11113	-68363	-20007	-20007	1	Si
220	0.172	7.6	0	15492	SLV 5	19008	8821	68363	20007	20007	1	Si
220	0.172	15.21	0	-11552	SLV 11	-15068	-11113	-68363	-20007	-20007	1	Si
238	0.172	7.6	0	15365	SLV 5	18881	8821	68363	20007	20007	1	Si
238	0.172	15.21	0	-11679	SLV 11	-15195	-11113	-68363	-20007	-20007	1	Si
255	0.172	11.8	0	15250	SLV 5	18765	10213	68363	20007	20007	1	Si
255	0.172	15.21	0	-11795	SLV 11	-15310	-11113	-68363	-20007	-20007	1	Si
257	0	11.8	0	15238	SLV 5	18754	10213	68363	0	10213	1	Si
257	0	15.21	0	-11806	SLV 11	-15322	-11113	-68363	0	-11113	1	Si
275	0	14.27	0	15111	SLV 5	18627	10880	68363	0	10880	1	Si
275	0	15.21	0	-11933	SLV 11	-15449	-11113	-68363	0	-11113	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.64	0	9479	SLD 5	9479	11895	68363	0	11895	1	Si
0	0	9.7	0	-2486	SLD 11	-2486	-9567	-68363	0	-9567	1	Si
9	0	15.21	0	9415	SLD 5	9415	11113	68363	0	11113	1	Si
9	0	7.6	0	-2550	SLD 11	-2550	-8821	-68363	0	-8821	1	Si
18	0	15.21	0	9352	SLD 5	9352	11113	68363	0	11113	1	Si
18	0	7.6	0	-2613	SLD 11	-2613	-8821	-68363	0	-8821	1	Si
20	0.187	15.21	0	9340	SLD 5	9340	11113	68363	21675	21675	1	Si
20	0.187	7.6	0	-2625	SLD 11	-2625	-8821	-68363	-21675	-21675	1	Si
37	0.187	15.21	0	9224	SLD 5	9224	11113	68363	21675	21675	1	Si
37	0.187	7.6	0	-2741	SLD 11	-2741	-8821	-68363	-21675	-21675	1	Si
55	0.187	15.21	0	9097	SLD 5	9097	11113	68363	21675	21675	1	Si
55	0.187	7.6	0	-2868	SLD 11	-2868	-8821	-68363	-21675	-21675	1	Si
73	0.187	15.21	0	8970	SLD 5	8970	11113	68363	21675	21675	1	Si
73	0.187	7.6	0	-2995	SLD 11	-2995	-8821	-68363	-21675	-21675	1	Si
82	0.187	15.21	0	8907	SLD 5	8907	11113	68363	21675	21675	1	Si
82	0.187	7.6	0	-3058	SLD 11	-3058	-8821	-68363	-21675	-21675	1	Si
101	0.18	15.21	0	8779	SLD 5	8779	11113	68363	20885	20885	1	Si
101	0.18	15.21	0	-3186	SLD 11	-3186	-11113	-68363	-20885	-20885	1	Si
119	0.18	15.21	0	8652	SLD 5	8652	11113	68363	20885	20885	1	Si
119	0.18	15.21	0	-3313	SLD 11	-3313	-11113	-68363	-20885	-20885	1	Si
137	0.18	15.21	0	8525	SLD 5	8525	11113	68363	20885	20885	1	Si
137	0.18	15.21	0	-3440	SLD 11	-3440	-11113	-68363	-20885	-20885	1	Si
156	0.18	15.21	0	8398	SLD 5	8398	11113	68363	20885	20885	1	Si
156	0.18	15.21	0	-3567	SLD 11	-3567	-11113	-68363	-20885	-20885	1	Si
174	0.18	7.6	0	8271	SLD 5	8271	8821	68363	20885	20885	1	Si
174	0.18	15.21	0	-3694	SLD 11	-3694	-11113	-68363	-20885	-20885	1	Si
192	0.172	7.6	0	8144	SLD 5	8144	8821	68363	20007	20007	1	Si
192	0.172	15.21	0	-3821	SLD 11	-3821	-11113	-68363	-20007	-20007	1	Si
202	0.172	7.6	0	8080	SLD 5	8080	8821	68363	20007	20007	1	Si
202	0.172	15.21	0	-3885	SLD 11	-3885	-11113	-68363	-20007	-20007	1	Si
220	0.172	7.6	0	7953	SLD 5	7953	8821	68363	20007	20007	1	Si
220	0.172	15.21	0	-4012	SLD 11	-4012	-11113	-68363	-20007	-20007	1	Si
238	0.172	7.6	0	7826	SLD 5	7826	8821	68363	20007	20007	1	Si
238	0.172	15.21	0	-4139	SLD 11	-4139	-11113	-68363	-20007	-20007	1	Si
255	0.172	11.8	0	7710	SLD 5	7710	10213	68363	20007	20007	1	Si
255	0.172	15.21	0	-4255	SLD 11	-4255	-11113	-68363	-20007	-20007	1	Si
257	0	11.8	0	7698	SLD 5	7698	10213	68363	0	10213	1	Si
257	0	15.21	0	-4267	SLD 11	-4267	-11113	-68363	0	-11113	1	Si
275	0	14.27	0	7571	SLD 5	7571	10880	68363	0	10880	1	Si
275	0	15.21	0	-4394	SLD 11	-4394	-11113	-68363	0	-11113	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-607688	2	-572286	16.6	124.5	437.8	1837	-580986	2	-546687	15.9	93.4	0	+∞	Si
18	-543284	2	-543129	15.8	124.5	415.5	1837	-518623	2	-518474	15.1	93.4	0	+∞	Si
20	-537586	2	-537586	15.6	124.5	411.2	1837	-513112	2	-513112	14.9	93.4	0	+∞	Si
37	-481190	2	-537586	16	124.5	440.2	1837	-458571	2	-513112	15.2	93.4	0	+∞	Si
55	-421407	2	-517315	16	124.5	460.1	1837	-400828	2	-493500	15.3	93.4	0	+∞	Si
73	-363934	2	-456179	16	124.5	517	1837	-345396	2	-434405	15.2	93.4	0	+∞	Si
82	-336064	2	-426477	14.9	124.5	483.4	1837	-318547	2	-405724	14.2	93.4	0	+∞	Si
101	-282057	2	-368806	12.9	124.5	418	1837	-266580	2	-350094	12.2	93.4	0	+∞	Si
119	-230359	2	-313446	11	124.5	355.3	1837	-216924	2	-296774	10.4	93.4	0	+∞	Si
137	-180973	2	-260396	9.1	124.5	295.1	1837	-169578	2	-245765	8.6	93.4	0	+∞	Si
156	-133896	2	-209656	7.3	124.5	237.6	1837	-124543	2	-197066	6.9	93.4	0	+∞	Si
174	-89130	2	-161227	5.6	124.5	182.7	1837	-81818	2	-150678	5.3	93.4	0	+∞	Si
192	-46956	3	-115108	3.8	124.5	129.8	1837	-41403	2	-106600	3.5	93.4	0	+∞	Si
202	-26897	3	-92914	3	124.5	104.6	1837	-22062	2	-85427	2.8	93.4	0	+∞	Si
220	18203	1	69724	2.2	124.5	78.3	1837	18203	1	68699	2.2	93.4	0	+∞	Si
238	49781	1	80655	2.5	124.5	90.6	1837	49781	1	78969	2.5	93.4	0	+∞	Si
255	80655	2	80655	2.5	124.5	90.6	1837	78969	2	78969	2.5	93.4	0	+∞	Si
257	83727	2	83593	2.6	124.5	93.9	1837	81855	2	81728	2.6	93.4	0	+∞	Si
275	115786	2	99053	3.1	124.5	111.3	1837	111874	2	96244	3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
20	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
37	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
55	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
73	-0.004	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.01	1	-0.011	1	9999	Si
82	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
101	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
119	-0.004	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
137	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.01	1	-0.011	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
156	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
174	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.008	1	-0.009	1	9999	Si
192	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
202	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	1	-0.006	1	9999	Si
220	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
238	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
255	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
257	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	1	-0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	3358	17038	21675	SLV 5	0.39	849	1.075	-513112	1672810	1414181	SLV 11	0.42	1008	1.153	Si
37	3242	17038	21675	SLV 5	0.39	862	1.082	-513112	1672810	1414187	SLV 11	0.42	1008	1.153	Si
55	3115	17038	21675	SLV 5	0.4	877	1.089	-493500	1593407	1285604	SLV 11	0.4	931	1.116	Si
73	2988	17038	21675	SLV 5	0.4	891	1.096	-434405	1347961	963633	SLV 11	0.38	778	1.037	Si
82	2924	17038	21675	SLV 5	0.4	899	1.1	-405724	1225266	963633	SLV 11	0.4	933	1.117	Si
101	2797	17038	20885	SLV 5	0.39	823	1.061	-350094	979968	963633	SLV 11	0.48	1505	1.359	Si
119	2670	17038	20885	SLV 5	0.39	837	1.069	-296774	734891	963633	SLV 11	0.57	2474	1.666	Si
137	2543	17038	20885	SLV 5	0.39	852	1.076	-245765	537114	963633	SLV 15	0.57	2474	1.666	Si
156	2415	17038	20885	SLV 5	0.39	866	1.084	-57910	577174	963633	SLV 9	0.57	2474	1.666	Si
174	2288	17038	20885	SLV 5	0.4	881	1.091	-18848	784354	963633	SLV 9	0.45	1257	1.262	Si
192	2161	17038	20007	SLV 5	0.38	797	1.047	17904	1034756	1461203	SLV 5	0.5	1674	1.42	Si
202	2097	17038	20007	SLV 5	0.38	804	1.051	35413	1156461	1607497	SLV 5	0.49	1562	1.38	Si
220	1970	17038	20007	SLV 5	0.38	818	1.059	68699	1400901	1864772	SLV 5	0.46	1337	1.295	Si
238	1843	17038	20007	SLV 5	0.39	832	1.066	78969	1480112	1864772	SLV 5	0.44	1139	1.212	Si
255	1727	17038	20007	SLV 5	0.39	845	1.073	78969	1480112	1864772	SLV 5	0.44	1139	1.212	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	3358	5983	21675	SLD 5	0.41	966	2.851	-513112	740138	1414181	SLD 11	0.35	651	2.425	Si
37	3242	5983	21675	SLD 5	0.41	983	2.872	-513112	740138	1414187	SLD 11	0.35	651	2.425	Si
55	3115	5983	21675	SLD 5	0.42	1001	2.893	-493500	705008	1285604	SLD 11	0.34	603	2.35	Si
73	2988	5983	21675	SLD 5	0.42	1020	2.916	-434405	596416	963633	SLD 11	0.32	507	2.189	Si
82	2924	5983	21675	SLD 5	0.42	1029	2.926	-405724	542133	963633	SLD 11	0.34	606	2.355	Si
101	2797	5983	20885	SLD 5	0.41	938	2.817	-350094	433607	963633	SLD 11	0.41	942	2.822	Si
119	2670	5983	20885	SLD 5	0.41	954	2.837	-296774	325177	963633	SLD 11	0.51	1813	3.691	Si
137	2543	5983	20885	SLD 5	0.41	970	2.856	-245765	237672	963633	SLD 15	0.6	2474	4.193	Si
156	2415	5983	20885	SLD 5	0.41	988	2.878	-57910	255296	963633	SLD 9	0.53	1975	3.823	Si
174	2288	5983	20885	SLD 5	0.42	1006	2.899	-18848	346957	963633	SLD 9	0.38	799	2.638	Si
192	2161	5983	20007	SLD 5	0.4	907	2.779	17904	457743	1461203	SLD 5	0.42	1046	2.946	Si
202	2097	5983	20007	SLD 5	0.4	915	2.789	35413	511588	1607497	SLD 5	0.41	975	2.862	Si
220	1970	5983	20007	SLD 5	0.4	931	2.809	68699	619734	1864772	SLD 5	0.39	845	2.699	Si
238	1843	5983	20007	SLD 5	0.41	947	2.828	78969	654779	1864772	SLD 5	0.37	729	2.541	Si
255	1727	5983	20007	SLD 5	0.41	962	2.847	78969	654779	1864772	SLD 5	0.37	729	2.541	Si

Campata 11 tra i fili ? - 30, sezione R 40x70, asta 1176

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4						-2849	SLU 19	-572	-1864772	0.091	Si
2	15.21	5.4	15.21	5.4						-2481	SLU 19	-568	-1864772	0.091	Si
3	15.21	5.4	15.21	5.4						-2140	SLU 28	-559	-1864772	0.091	Si
5	15.21	5.4	15.21	5.4						-1823	SLU 28	-543	-1864772	0.091	Si
7	15.21	5.4	15.21	5.4						-1532	SLU 28	-521	-1864772	0.091	Si
8	15.21	5.4	15.21	5.4						-1396	SLU 28	-507	-1864772	0.091	Si
9	15.21	5.4	15.21	5.4						-1143	SLU 28	-476	-1864772	0.091	Si
11	15.21	5.4	15.21	5.4						-915	SLU 28	-437	-1864772	0.091	Si
13	15.21	5.4	15.21	5.4						-712	SLU 28	-393	-1864772	0.091	Si
14	15.21	5.4	15.21	5.4						-535	SLU 28	-342	-1864772	0.091	Si
16	15.21	5.4	15.21	5.4						-383	SLU 28	-285	-1864772	0.091	Si
18	15.21	5.4	15.21	5.4						-256	SLU 28	-221	-1864772	0.091	Si
19	15.21	5.4	15.21	5.4						-155	SLU 28	-151	-1864772	0.091	Si
20	15.21	5.4	15.21	5.4	-88	SLU 3	0	1864772	0.091	-115	SLU 28	-115	-1864772	0.091	Si
20	15.21	5.4	15.21	5.4	-88	SLU 3	0	1864772	0.091	-114	SLU 28	-115	-1864772	0.091	Si
21	0	0	0	0	-61	SLU 3	0	0	0	-79	SLU 28	-115	0	0	Si
22	0	0	0	0	-39	SLU 3	0	0	0	-51	SLU 28	-115	0	0	Si
23	0	0	0	0	-10	SLU 2	0	0	0	-13	SLU 31	-115	0	0	Si
25	0	0	0	0	0	SLU 20	0	0	0	0	SLU 13	-115	0	0	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4						-2191	SLV 11	-440	-1864772	0.091	Si
2	15.21	5.4	15.21	5.4						-1909	SLV 7	-437	-1864772	0.091	Si
3	15.21	5.4	15.21	5.4						-1646	SLV 7	-430	-1864772	0.091	Si
5	15.21	5.4	15.21	5.4						-1402	SLV 7	-418	-1864772	0.091	Si
7	15.21	5.4	15.21	5.4						-1178	SLV 7	-401	-1864772	0.091	Si
8	15.21	5.4	15.21	5.4						-1074	SLV 7	-390	-1864772	0.091	Si
9	15.21	5.4	15.21	5.4						-879	SLV 7	-366	-1864772	0.091	Si
11	15.21	5.4	15.21	5.4						-704	SLV 7	-336	-1864772	0.091	Si
13	15.21	5.4	15.21	5.4						-548	SLV 7	-302	-1864772	0.091	Si
14	15.21	5.4	15.21	5.4						-411	SLV 7	-263	-1864772	0.091	Si
16	15.21	5.4	15.21	5.4						-295	SLV 7	-219	-1864772	0.091	Si
18	15.21	5.4	15.21	5.4						-197	SLV 7	-170	-1864772	0.091	Si
19	15.21	5.4	15.21	5.4						-119	SLV 7	-116	-1864772	0.091	Si
20	15.21	5.4	15.21	5.4	-88	SLV 9	0	1864772	0.091	-88	SLV 7	-88	-1864772	0.091	Si
20	15.21	5.4	15.21	5.4	-88	SLV 9	0	1864772	0.091	-88	SLV 7	-88	-1864772	0.091	Si
21	0	0	0	0	-61	SLV 9	0	0	0	-61	SLV 7	-88	0	0	Si
22	0	0	0	0	-39	SLV 9	0	0	0	-39	SLV 7	-88	0	0	Si
23	0	0	0	0	-10	SLV 9	0	0	0	-10	SLV 7	-88	0	0	Si
25	0	0	0	0	0	SLV 9	0	0	0	0	SLV 7	-88	0	0	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4						-2191	SLD 5	-440	-1864772	0.091	Si
2	15.21	5.4	15.21	5.4						-1909	SLD 5	-437	-1864772	0.091	Si
3	15.21	5.4	15.21	5.4						-1646	SLD 5	-430	-1864772	0.091	Si
5	15.21	5.4	15.21	5.4						-1402	SLD 7	-418	-1864772	0.091	Si
7	15.21	5.4	15.21	5.4						-1178	SLD 7	-401	-1864772	0.091	Si
8	15.21	5.4	15.21	5.4						-1074	SLD 7	-390	-1864772	0.091	Si
9	15.21	5.4	15.21	5.4						-879	SLD 7	-366	-1864772	0.091	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
11	15.21	5.4	15.21	5.4						-704	SLD 7	-336	-1864772	0.091	Si
13	15.21	5.4	15.21	5.4						-548	SLD 7	-302	-1864772	0.091	Si
14	15.21	5.4	15.21	5.4						-411	SLD 7	-263	-1864772	0.091	Si
16	15.21	5.4	15.21	5.4						-295	SLD 7	-219	-1864772	0.091	Si
18	15.21	5.4	15.21	5.4						-197	SLD 7	-170	-1864772	0.091	Si
19	15.21	5.4	15.21	5.4						-119	SLD 7	-116	-1864772	0.091	Si
20	15.21	5.4	15.21	5.4	-88	SLD 9	0	1864772	0.091	-88	SLD 7	-88	-1864772	0.091	Si
20	15.21	5.4	15.21	5.4	-88	SLD 9	0	1864772	0.091	-88	SLD 7	-88	-1864772	0.091	Si
21	0	0	0	0	-61	SLD 9	0	0	0	-61	SLD 7	-88	0	0	Si
22	0	0	0	0	-39	SLD 9	0	0	0	-39	SLD 7	-88	0	0	Si
23	0	0	0	0	-10	SLD 9	0	0	0	-10	SLD 7	-88	0	0	Si
25	0	0	0	0	0	SLD 9	0	0	0	0	SLD 7	-88	0	0	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	0	0	228	SLU 19	228	7999	68363	0	7999	1	Si
2	0	0	0	213	SLU 19	213	7999	68363	0	7999	1	Si
3	0	0	0	197	SLU 19	197	7999	68363	0	7999	1	Si
5	0	0	0	182	SLU 19	182	7999	68363	0	7999	1	Si
7	0	0	0	167	SLU 19	167	7999	68363	0	7999	1	Si
8	0	0	0	159	SLU 19	159	7999	68363	0	7999	1	Si
9	0	0	0	144	SLU 19	144	7999	68363	0	7999	1	Si
11	0	0	0	129	SLU 19	129	7999	68363	0	7999	1	Si
13	0	0	0	114	SLU 19	114	7999	68363	0	7999	1	Si
14	0	0	0	99	SLU 19	99	7999	68363	0	7999	1	Si
16	0	0	0	83	SLU 19	83	7999	68363	0	7999	1	Si
18	0	0	0	68	SLU 19	68	7999	68363	0	7999	1	Si
19	0	0	0	53	SLU 19	53	7999	68363	0	7999	1	Si
20	0.2	0	0	46	SLU 19	46	7999	68363	23245	23245	1	Si
20	0.2	0	0	46	SLU 19	46	7999	68363	23245	23245	1	Si
22	0.2	0	0	30	SLU 19	30	8486	74078	25188	25188	1	Si
23	0.2	0	0	15	SLU 19	15	8486	74078	25188	25188	1	Si
25	0.2	0	0	0	Ger.	0	8486	74078	25188	25188	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	0	0	175	SLV 11	175	7999	68363	0	7999	1	Si
2	0	0	0	163	SLV 11	163	7999	68363	0	7999	1	Si
3	0	0	0	152	SLV 11	152	7999	68363	0	7999	1	Si
5	0	0	0	140	SLV 11	140	7999	68363	0	7999	1	Si
7	0	0	0	128	SLV 11	128	7999	68363	0	7999	1	Si
8	0	0	0	123	SLV 11	123	7999	68363	0	7999	1	Si
9	0	0	0	111	SLV 11	111	7999	68363	0	7999	1	Si
11	0	0	0	99	SLV 11	99	7999	68363	0	7999	1	Si
13	0	0	0	88	SLV 11	88	7999	68363	0	7999	1	Si
14	0	0	0	76	SLV 11	76	7999	68363	0	7999	1	Si
16	0	0	0	64	SLV 11	64	7999	68363	0	7999	1	Si
18	0	0	0	53	SLV 11	53	7999	68363	0	7999	1	Si
19	0	0	0	41	SLV 11	41	7999	68363	0	7999	1	Si
20	0.2	0	0	35	SLV 11	35	7999	68363	23245	23245	1	Si
20	0.2	0	0	35	SLV 11	35	7999	68363	23245	23245	1	Si
22	0.2	0	0	23	SLV 11	23	8486	74078	25188	25188	1	Si
23	0.2	0	0	12	SLV 11	12	8486	74078	25188	25188	1	Si
25	0.2	0	0	0	Ger.	0	8486	74078	25188	25188	1	Si
25	0.2	0	0	0	Ger.	0	-8486	-74078	-25188	-25188	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	0	0	175	SLD 9	175	7999	68363	0	7999	1	Si
2	0	0	0	163	SLD 9	163	7999	68363	0	7999	1	Si
3	0	0	0	152	SLD 9	152	7999	68363	0	7999	1	Si
5	0	0	0	140	SLD 9	140	7999	68363	0	7999	1	Si
7	0	0	0	128	SLD 9	128	7999	68363	0	7999	1	Si
8	0	0	0	123	SLD 9	123	7999	68363	0	7999	1	Si
9	0	0	0	111	SLD 9	111	7999	68363	0	7999	1	Si
11	0	0	0	99	SLD 9	99	7999	68363	0	7999	1	Si
13	0	0	0	88	SLD 9	88	7999	68363	0	7999	1	Si
14	0	0	0	76	SLD 9	76	7999	68363	0	7999	1	Si
16	0	0	0	64	SLD 9	64	7999	68363	0	7999	1	Si
18	0	0	0	53	SLD 9	53	7999	68363	0	7999	1	Si
19	0	0	0	41	SLD 9	41	7999	68363	0	7999	1	Si
20	0.2	0	0	35	SLD 9	35	7999	68363	23245	23245	1	Si
20	0.2	0	0	35	SLD 9	35	7999	68363	23245	23245	1	Si
22	0.2	0	0	23	SLD 9	23	8486	74078	25188	25188	1	Si
23	0.2	0	0	12	SLD 9	12	8486	74078	25188	25188	1	Si
25	0.2	0	0	0	Ger.	0	8486	74078	25188	25188	1	Si
25	0.2	0	0	0	Ger.	0	-8486	-74078	-25188	-25188	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-2191	1	-440	0	124.5	0.5	1837	-2191	1	-440	0	93.4	0	+∞	Si
2	-1909	1	-437	0	124.5	0.5	1837	-1909	1	-437	0	93.4	0	+∞	Si
3	-1646	1	-430	0	124.5	0.5	1837	-1646	1	-430	0	93.4	0	+∞	Si
5	-1402	1	-418	0	124.5	0.5	1837	-1402	1	-418	0	93.4	0	+∞	Si
7	-1178	1	-401	0	124.5	0.5	1837	-1178	1	-401	0	93.4	0	+∞	Si
8	-1074	1	-390	0	124.5	0.4	1837	-1074	1	-390	0	93.4	0	+∞	Si
9	-879	1	-366	0	124.5	0.4	1837	-879	1	-366	0	93.4	0	+∞	Si
11	-704	1	-336	0	124.5	0.4	1837	-704	1	-336	0	93.4	0	+∞	Si
13	-548	1	-302	0	124.5	0.3	1837	-548	1	-302	0	93.4	0	+∞	Si
14	-411	1	-263	0	124.5	0.3	1837	-411	1	-263	0	93.4	0	+∞	Si
16	-295	1	-219	0	124.5	0.2	1837	-295	1	-219	0	93.4	0	+∞	Si
18	-197	1	-170	0	124.5	0.2	1837	-197	1	-170	0	93.4	0	+∞	Si
19	-119	1	-116	0	124.5	0.1	1837	-119	1	-116	0	93.4	0	+∞	Si
20	-88	1	-88	0	124.5	0.1	1837	-88	1	-88	0	93.4	0	+∞	Si
20	-88	1	-88	0	124.5	0.1	1837	-88	1	-88	0	93.4	0	+∞	Si
22	-39	1	-88	0	0	0	1837	-39	1	-88	0	0	0	+∞	Si
23	-10	4	-88	0	0	0	1837	-10	1	-88	0	0	0	+∞	Si
25	0	2	0	0	0	0	1837	0	2	0	0	0	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
2	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
3	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
5	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
7	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
8	0	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
9	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
11	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
13	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
14	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
16	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
18	0	0	0.001	0	0	0	0.001	0	0	0	0.001	2	0.001	2	9999	Si
19	0	0	0.001	0	0	0	0.001	0	0	0	0.001	2	0.001	2	9999	Si
20	0	0	0.001	0	0	0	0.001	0	0	0	0.001	2	0.001	2	9999	Si
20	0	0	0.001	0	0	0	0.001	0	0	0	0.001	2	0.001	2	9999	Si
22	0	0	0.001	0.001	0	0	0.001	0.001	0	0	0.001	2	0.001	2	9999	Si
23	0	0	0.001	0.001	0	0	0.001	0.001	0	0	0.002	2	0.001	2	9999	Si
25	0	0	0.001	0.001	0	0	0.001	0.001	0	0	0.002	2	0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	35	0	23245	SLV 11	0.57	2474	1.666	-88	0	-1864772	SLV 1	0.57	2474	1.666	Si
20	35	0	23245	SLV 11	0.57	2474	1.666	0	0	1864772	SLV 1	0.57	2474	1.666	Si
21	29	0	25188	SLV 11	0.57	2474	1.666	-88	0	0	SLV 1	0	0	0	Si
22	23	0	25188	SLV 11	0.57	2474	1.666	-88	0	0	SLV 1	0	0	0	Si
23	12	0	25188	SLV 11	0.57	2474	1.666	-88	0	0	SLV 1	0	0	0	Si
25	0	0	25188	SLV 11	0.57	2474	1.666	0	0	0	SLV 1	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	35	0	23245	SLD 9	0.6	2474	4.193	-88	0	-1864772	SLD 1	0.6	2474	4.193	Si
20	35	0	23245	SLD 9	0.6	2474	4.193	0	0	1864772	SLD 1	0.6	2474	4.193	Si
21	29	0	25188	SLD 9	0.6	2474	4.193	-88	0	0	SLD 1	0	0	0	Si
22	23	0	25188	SLD 9	0.6	2474	4.193	-88	0	0	SLD 1	0	0	0	Si
23	12	0	25188	SLD 9	0.6	2474	4.193	-88	0	0	SLD 1	0	0	0	Si
25	0	0	25188	SLD 9	0.6	2474	4.193	0	0	0	SLD 1	0.6	2474	4.193	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" (2396; 3186)-31

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x60	Rettangolare	30	60	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - ?, sezione R 30x60, asta 1177

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	26568	SLU 36	20219	796256	0.099						Si
11	7.6	5.4	7.6	5.4						-25174	SLU 36	-25174	-796256	0.099	Si
20	7.6	5.4	7.6	5.4						-68157	SLU 36	-187694	-796256	0.099	Si
33	7.6	5.4	7.6	5.4						-130779	SLU 36	-252213	-796256	0.099	Si
44	7.6	5.4	7.6	5.4						-184641	SLU 36	-307654	-796256	0.099	Si
49	7.6	5.4	7.6	5.4						-211836	SLU 36	-335639	-796256	0.099	Si
60	7.6	5.4	7.6	5.4						-266758	SLU 36	-392140	-796256	0.099	Si
71	7.6	5.4	7.6	5.4						-322385	SLU 36	-449347	-796256	0.099	Si
82	9.28	5.4	7.6	5.4						-378719	SLU 36	-507260	-961476	0.104	Si
93	9.79	5.4	7.6	5.4						-435760	SLU 36	-565880	-1012572	0.105	Si
104	10.31	5.4	7.6	5.4						-493506	SLU 36	-625206	-1063643	0.107	Si
115	10.83	5.4	7.6	5.4						-551960	SLU 36	-685239	-1114722	0.109	Si
126	11.35	5.4	7.6	5.4						-611119	SLU 36	-739800	-1165729	0.11	Si
132	11.4	5.4	7.6	5.4						-640963	SLU 36	-739800	-1171175	0.11	Si
143	11.4	5.4	7.6	5.4						-701182	SLU 36	-739800	-1171175	0.11	Si
150	11.4	5.4	7.6	5.4						-739800	SLU 36	-739800	-1171175	0.11	Si
154	11.4	5.4	7.6	5.4						-762108	SLU 36	-759099	-1171175	0.11	Si
165	11.4	5.4	7.6	5.4						-823739	SLU 36	-781449	-1171175	0.11	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	70631	SLV 11	19555	796256	0.099	-34981	SLV 5	-19183	-796256	0.099	Si
11	7.6	5.4	7.6	5.4	6612	SLV 11	6612	796256	0.099	-42365	SLV 5	-32603	-796256	0.099	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
20	7.6	5.4	7.6	5.4						-84508	SLV 7	-248837	-796256	0.099	Si
33	7.6	5.4	7.6	5.4						-168822	SLV 7	-339976	-796256	0.099	Si
44	7.6	5.4	7.6	5.4						-244525	SLV 7	-418160	-796256	0.099	Si
49	7.6	5.4	7.6	5.4						-282936	SLV 7	-457521	-796256	0.099	Si
60	7.6	5.4	7.6	5.4						-360516	SLV 7	-530636	-796256	0.099	Si
71	7.6	5.4	7.6	5.4						-438900	SLV 7	-616561	-796256	0.099	Si
82	9.28	5.4	7.6	5.4						-517963	SLV 7	-696976	-961476	0.104	Si
93	9.79	5.4	7.6	5.4						-597648	SLV 11	-777966	-1012572	0.105	Si
104	10.31	5.4	7.6	5.4						-677927	SLV 11	-859520	-1063643	0.107	Si
115	10.83	5.4	7.6	5.4						-758783	SLV 11	-941634	-1114722	0.109	Si
126	11.35	5.4	7.6	5.4						-840204	SLV 11	-1015916	-1165729	0.11	Si
132	11.4	5.4	7.6	5.4						-881126	SLV 11	-1015916	-1171175	0.11	Si
143	11.4	5.4	7.6	5.4						-963386	SLV 11	-1015916	-1171175	0.11	Si
150	11.4	5.4	7.6	5.4						-1015916	SLV 11	-1015916	-1171175	0.11	Si
154	11.4	5.4	7.6	5.4						-1046201	SLV 11	-1042148	-1171175	0.11	Si
165	11.4	5.4	7.6	5.4						-1129567	SLV 11	-1072529	-1171175	0.11	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	41191	SLD 11	18590	796256	0.099	-5542	SLD 5	-5542	-796256	0.099	Si
11	7.6	5.4	7.6	5.4						-28713	SLD 5	-25241	-796256	0.099	Si
20	7.6	5.4	7.6	5.4						-63919	SLD 7	-182785	-796256	0.099	Si
33	7.6	5.4	7.6	5.4						-125386	SLD 7	-248085	-796256	0.099	Si
44	7.6	5.4	7.6	5.4						-179696	SLD 7	-304170	-796256	0.099	Si
49	7.6	5.4	7.6	5.4						-207212	SLD 7	-332446	-796256	0.099	Si
60	7.6	5.4	7.6	5.4						-262808	SLD 7	-386743	-796256	0.099	Si
71	7.6	5.4	7.6	5.4						-319061	SLD 7	-447011	-796256	0.099	Si
82	9.28	5.4	7.6	5.4						-375919	SLD 7	-505144	-961476	0.104	Si
93	9.79	5.4	7.6	5.4						-433355	SLD 11	-563834	-1012572	0.105	Si
104	10.31	5.4	7.6	5.4						-491356	SLD 11	-623077	-1063643	0.107	Si
115	10.83	5.4	7.6	5.4						-549915	SLD 11	-682871	-1114722	0.109	Si
126	11.35	5.4	7.6	5.4						-609028	SLD 11	-737083	-1165729	0.11	Si
132	11.4	5.4	7.6	5.4						-638791	SLD 11	-737083	-1171175	0.11	Si
143	11.4	5.4	7.6	5.4						-698730	SLD 11	-737083	-1171175	0.11	Si
150	11.4	5.4	7.6	5.4						-737083	SLD 11	-737083	-1171175	0.11	Si
154	11.4	5.4	7.6	5.4						-759216	SLD 11	-756244	-1171175	0.11	Si
165	11.4	5.4	7.6	5.4						-820250	SLD 11	-778435	-1171175	0.11	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-4677	SLU 36	-4677	-6713	-43335	0	-6713	1	Si
11	0	7.6	0	-4741	SLU 36	-4741	-6713	-43335	0	-6713	1	Si
20	0.093	7.6	0	-4794	SLU 36	-4794	-6713	-43335	-9118	-9118	1	Si
33	0.093	7.6	0	-4870	SLU 36	-4870	-6713	-43335	-9118	-9118	1	Si
44	0.093	7.6	0	-4934	SLU 36	-4934	-6713	-43335	-9118	-9118	1	Si
49	0.093	7.6	0	-4966	SLU 36	-4966	-6713	-43335	-9118	-9118	1	Si
60	0.093	7.6	0	-5030	SLU 36	-5030	-6713	-43335	-9118	-9118	1	Si
71	0.093	7.6	0	-5095	SLU 36	-5095	-6713	-43335	-9118	-9118	1	Si
82	0.093	7.6	0	-5159	SLU 36	-5159	-6713	-43335	-9118	-9118	1	Si
93	0.093	7.6	0	-5223	SLU 36	-5223	-6713	-43335	-9118	-9118	1	Si
104	0.093	7.6	0	-5287	SLU 36	-5287	-6713	-43335	-9118	-9118	1	Si
115	0.093	7.6	0	-5352	SLU 36	-5352	-6713	-43335	-9118	-9118	1	Si
126	0.093	7.6	0	-5416	SLU 36	-5416	-6713	-43335	-9118	-9118	1	Si
132	0.093	7.6	0	-5448	SLU 36	-5448	-6713	-43335	-9118	-9118	1	Si
143	0.093	9.54	0	-5512	SLU 36	-5512	-7240	-43335	-9118	-9118	1	Si
150	0.093	9.79	0	-5553	SLU 36	-5553	-7305	-43335	-9118	-9118	1	Si
154	0	10.05	0	-5577	SLU 36	-5577	-7368	-43335	0	-7368	1	Si
165	0	10.57	0	-5641	SLU 36	-5641	-7493	-43335	0	-7493	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	426	SLV 5	1375	6713	43335	0	6713	1	Si
0	0	7.6	0	-6874	SLV 11	-7823	-6713	-43335	0	-6713	1	Si
11	0	7.6	0	376	SLV 5	1325	6713	43335	0	6713	1	Si
11	0	7.6	0	-6924	SLV 11	-7873	-6713	-43335	0	-6713	1	Si
16	0	7.6	0	352	SLV 5	1301	6713	43335	0	6713	1	Si
16	0	7.6	0	-6948	SLV 11	-7897	-6713	-43335	0	-6713	1	Si
20	0.093	7.6	0	336	SLV 5	1285	6713	43335	9118	9118	1	Si
20	0.093	7.6	0	-6964	SLV 11	-7913	-6713	-43335	-9118	-9118	1	Si
33	0.093	7.6	0	277	SLV 5	1226	6713	43335	9118	9118	1	Si
33	0.093	7.6	0	-7023	SLV 11	-7972	-6713	-43335	-9118	-9118	1	Si
44	0.093	7.6	0	228	SLV 5	1177	6713	43335	9118	9118	1	Si
44	0.093	7.6	0	-7072	SLV 11	-8021	-6713	-43335	-9118	-9118	1	Si
49	0.093	7.6	0	203	SLV 5	1152	6713	43335	9118	9118	1	Si
49	0.093	7.6	0	-7097	SLV 11	-8046	-6713	-43335	-9118	-9118	1	Si
60	0.093	7.6	0	154	SLV 5	1103	6713	43335	9118	9118	1	Si
60	0.093	7.6	0	-7146	SLV 11	-8095	-6713	-43335	-9118	-9118	1	Si
71	0.093	7.6	0	104	SLV 5	1053	6713	43335	9118	9118	1	Si
71	0.093	7.6	0	-7196	SLV 11	-8145	-6713	-43335	-9118	-9118	1	Si
82	0.093	7.6	0	55	SLV 5	1004	6713	43335	9118	9118	1	Si
82	0.093	7.6	0	-7245	SLV 11	-8194	-6713	-43335	-9118	-9118	1	Si
93	0.093	7.6	0	5	SLV 5	954	6713	43335	9118	9118	1	Si
93	0.093	7.6	0	-7295	SLV 11	-8244	-6713	-43335	-9118	-9118	1	Si
104	0.093	7.6	0	-44	SLV 5	905	6713	43335	9118	9118	1	Si
104	0.093	7.6	0	-7344	SLV 11	-8293	-6713	-43335	-9118	-9118	1	Si
115	0.093	7.6	0	-93	SLV 5	856	6713	43335	9118	9118	1	Si
115	0.093	7.6	0	-7393	SLV 11	-8342	-6713	-43335	-9118	-9118	1	Si
126	0.093	7.6	0	-143	SLV 5	806	6713	43335	9118	9118	1	Si
126	0.093	7.6	0	-7443	SLV 11	-8392	-6713	-43335	-9118	-9118	1	Si
132	0.093	7.6	0	-168	SLV 5	781	6713	43335	9118	9118	1	Si
132	0.093	7.6	0	-7468	SLV 11	-8417	-6713	-43335	-9118	-9118	1	Si
143	0.093	9.54	0	-217	SLV 5	732	7240	43335	9118	9118	1	Si
143	0.093	9.54	0	-7517	SLV 11	-8466	-7240	-43335	-9118	-9118	1	Si
150	0.093	9.79	0	-249	SLV 5	700	7305	43335	9118	9118	1	Si
150	0.093	9.79	0	-7548	SLV 11	-8497	-7305	-43335	-9118	-9118	1	Si
154	0	10.05	0	-267	SLV 5	682	7368	43335	0	7368	1	Si
154	0	10.05	0	-7567	SLV 11	-8516	-7368	-43335	0	-7368	1	Si
165	0	10.57	0	-316	SLV 5	633	7493	43335	0	7493	1	Si
165	0	10.57	0	-7616	SLV 11	-8565	-7493	-43335	0	-7493	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-4839	SLD 11	-4839	-6713	-43335	0	-6713	1	Si
11	0	7.6	0	-4889	SLD 11	-4889	-6713	-43335	0	-6713	1	Si
20	0.093	7.6	0	-4929	SLD 11	-4929	-6713	-43335	-9118	-9118	1	Si
33	0.093	7.6	0	-4988	SLD 11	-4988	-6713	-43335	-9118	-9118	1	Si
44	0.093	7.6	0	-5037	SLD 11	-5037	-6713	-43335	-9118	-9118	1	Si
49	0.093	7.6	0	-5062	SLD 11	-5062	-6713	-43335	-9118	-9118	1	Si
60	0.093	7.6	0	-5111	SLD 11	-5111	-6713	-43335	-9118	-9118	1	Si
71	0.093	7.6	0	-5161	SLD 11	-5161	-6713	-43335	-9118	-9118	1	Si
82	0.093	7.6	0	-5210	SLD 11	-5210	-6713	-43335	-9118	-9118	1	Si
93	0.093	7.6	0	-5260	SLD 11	-5260	-6713	-43335	-9118	-9118	1	Si
104	0.093	7.6	0	-5309	SLD 11	-5309	-6713	-43335	-9118	-9118	1	Si
115	0.093	7.6	0	-5359	SLD 11	-5359	-6713	-43335	-9118	-9118	1	Si
126	0.093	7.6	0	-5408	SLD 11	-5408	-6713	-43335	-9118	-9118	1	Si
132	0.093	7.6	0	-5433	SLD 11	-5433	-6713	-43335	-9118	-9118	1	Si
143	0.093	9.54	0	-5482	SLD 11	-5482	-7240	-43335	-9118	-9118	1	Si
150	0.093	9.79	0	-5514	SLD 11	-5514	-7305	-43335	-9118	-9118	1	Si
154	0	10.05	0	-5532	SLD 11	-5532	-7368	-43335	0	-7368	1	Si
165	0	10.57	0	-5581	SLD 11	-5581	-7493	-43335	0	-7493	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	19710	9	15188	1	124.5	40.4	1837	17825	2	14434	1	93.4	0	+∞	Si
11	-18891	9	-18891	1.3	124.5	50.2	1837	-17876	2	-17876	1.2	93.4	0	+∞	Si
20	-50970	9	-140236	9.5	124.5	372.8	1837	-47576	2	-130357	8.8	93.4	0	+∞	Si
33	-97723	9	-188449	12.7	124.5	500.9	1837	-90908	2	-175148	11.8	93.4	0	+∞	Si
44	-137955	9	-229895	15.5	124.5	611.1	1837	-128239	2	-213694	14.4	93.4	0	+∞	Si
49	-158274	9	-250822	16.9	124.5	666.7	1837	-147108	2	-233171	15.7	93.4	0	+∞	Si
60	-199320	9	-293083	19.8	124.5	779	1837	-185254	2	-272532	18.4	93.4	0	+∞	Si
71	-240910	9	-335887	22.7	124.5	892.8	1837	-223944	2	-312436	21.1	93.4	0	+∞	Si
82	-283043	9	-379235	23.9	124.5	831.9	1837	-263176	2	-352884	22.2	93.4	0	+∞	Si
93	-325719	9	-423126	26.2	124.5	880.9	1837	-302952	2	-393875	24.4	93.4	0	+∞	Si
104	-368938	9	-467561	28.4	124.5	926.3	1837	-343272	2	-435409	26.5	93.4	0	+∞	Si
115	-412701	9	-512539	30.6	124.5	968.7	1837	-384135	2	-477487	28.5	93.4	0	+∞	Si
126	-457008	9	-553429	32.6	124.5	1000.2	1837	-425541	2	-515771	30.4	93.4	0	+∞	Si
132	-479365	9	-553429	32.5	124.5	995.5	1837	-446447	2	-515771	30.3	93.4	0	+∞	Si
143	-524486	9	-553429	32.5	124.5	995.5	1837	-488669	2	-515771	30.3	93.4	0	+∞	Si
150	-553429	9	-553429	32.5	124.5	995.5	1837	-515771	2	-515771	30.3	93.4	0	+∞	Si
154	-570150	9	-567895	33.4	124.5	1021.5	1837	-531433	2	-529319	31.1	93.4	0	+∞	Si
165	-616358	9	-584647	34.4	124.5	1051.7	1837	-574741	2	-545009	32	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
11	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
20	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
33	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
44	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
49	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
60	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	1	-0.01	1	9999	Si
71	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
82	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.012	1	9999	Si
93	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
104	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.013	1	9999	Si
115	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.012	1	9999	Si
126	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	1	-0.011	1	9999	Si
132	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	1	-0.01	1	9999	Si
143	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
150	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	1	-0.005	1	9999	Si
154	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-3314	-4599	-9118	SLV 11	0.45	1282	1.273	-47576	-36931	-796256	SLV 7	0.57	2474	1.666	Si
33	-3373	-4599	-9118	SLV 11	0.45	1248	1.259	-175148	-164828	-796256	SLV 7	0.57	2474	1.666	Si
44	-3422	-4599	-9118	SLV 11	0.45	1220	1.247	-213694	-204465	-796256	SLV 7	0.57	2474	1.666	Si
49	-3447	-4599	-9118	SLV 11	0.44	1206	1.241	-233171	-224350	-796256	SLV 7	0.57	2474	1.666	Si
60	-3496	-4599	-9118	SLV 11	0.44	1179	1.23	-272532	-258104	-796256	SLV 7	0.57	2474	1.666	Si
71	-3546	-4599	-9118	SLV 11	0.44	1151	1.218	-312436	-304125	-796256	SLV 11	0.57	2379	1.64	Si
82	-3595	-4599	-9118	SLV 11	0.43	1124	1.206	-352884	-344093	-961476	SLV 11	0.57	2474	1.666	Si
93	-3645	-4599	-9118	SLV 11	0.43	1098	1.194	-393875	-384091	-1012572	SLV 11	0.57	2460	1.663	Si
104	-3694	-4599	-9118	SLV 11	0.43	1072	1.183	-435409	-424111	-1063643	SLV 11	0.53	1966	1.517	Si
115	-3743	-4599	-9118	SLV 11	0.42	1046	1.171	-477487	-464147	-1114722	SLV 11	0.49	1604	1.395	Si
126	-3793	-4599	-9118	SLV 11	0.42	1021	1.159	-515771	-500145	-1165729	SLV 11	0.47	1386	1.314	Si
132	-3818	-4599	-9118	SLV 11	0.42	1008	1.153	-515771	-500145	-1171175	SLV 11	0.47	1417	1.326	Si
143	-3867	-4599	-9118	SLV 11	0.41	984	1.142	-515771	-500145	-1171175	SLV 11	0.47	1417	1.326	Si
150	-3898	-4599	-9118	SLV 11	0.41	969	1.135	-515771	-500145	-1171175	SLV 11	0.47	1417	1.326	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-3314	-1615	-9118	SLD 11	0.48	1481	3.397	-47576	-16343	-796256	SLD 7	0.6	2474	4.193	Si
33	-3373	-1615	-9118	SLD 11	0.47	1442	3.36	-175148	-72936	-796256	SLD 7	0.6	2474	4.193	Si
44	-3422	-1615	-9118	SLD 11	0.47	1408	3.328	-213694	-90476	-796256	SLD 7	0.6	2474	4.193	Si
49	-3447	-1615	-9118	SLD 11	0.47	1392	3.312	-233171	-99275	-796256	SLD 7	0.6	2474	4.193	Si
60	-3496	-1615	-9118	SLD 11	0.46	1361	3.282	-272532	-114211	-796256	SLD 7	0.6	2474	4.193	Si
71	-3546	-1615	-9118	SLD 11	0.46	1330	3.251	-312436	-134575	-796256	SLD 11	0.48	1482	3.398	Si
82	-3595	-1615	-9118	SLD 11	0.46	1299	3.22	-352884	-152260	-961476	SLD 11	0.53	1969	3.818	Si
93	-3645	-1615	-9118	SLD 11	0.45	1268	3.188	-393875	-169959	-1012572	SLD 11	0.48	1533	3.446	Si
104	-3694	-1615	-9118	SLD 11	0.45	1237	3.156	-435409	-187668	-1063643	SLD 11	0.45	1227	3.145	Si
115	-3743	-1615	-9118	SLD 11	0.44	1209	3.126	-477487	-205384	-1114722	SLD 11	0.42	1001	2.893	Si
126	-3793	-1615	-9118	SLD 11	0.44	1179	3.094	-515771	-221313	-1165729	SLD 11	0.39	873	2.736	Si
132	-3818	-1615	-9118	SLD 11	0.44	1165	3.079	-515771	-221313	-1171175	SLD 11	0.4	891	2.759	Si
143	-3867	-1615	-9118	SLD 11	0.44	1136	3.047	-515771	-221313	-1171175	SLD 11	0.4	891	2.759	Si
150	-3898	-1615	-9118	SLD 11	0.43	1118	3.028	-515771	-221313	-1171175	SLD 11	0.4	891	2.759	Si

Campata 2 tra i fili ? - ?, sezione R 30x60, asta 1178

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	7.6	5.4						-668137	SLU 36	-648406	-1171175	0.11	Si
15	11.4	5.4	7.6	5.4						-629273	SLU 36	-629273	-1171175	0.11	Si
19	11.4	5.4	7.6	5.4						-619897	SLU 36	-629273	-1171175	0.11	Si
37	11.4	5.4	7.6	5.4						-573696	SLU 36	-629273	-1170959	0.11	Si
56	10.52	5.4	7.6	5.4						-529532	SLU 36	-588146	-1084241	0.108	Si
75	9.64	5.4	7.6	5.4						-487408	SLU 36	-543338	-997505	0.105	Si
84	9.2	5.4	7.6	5.4						-467110	SLU 36	-521698	-954108	0.104	Si
93	7.6	5.4	7.6	5.4						-447321	SLU 36	-500568	-796256	0.099	Si
103	7.6	5.4	7.6	5.4						-428042	SLU 36	-479948	-796256	0.099	Si
121	7.6	5.4	7.6	5.4						-391014	SLU 36	-440236	-796256	0.099	Si
140	7.6	5.4	7.6	5.4						-356023	SLU 36	-402563	-796256	0.099	Si
159	7.6	5.4	7.6	5.4						-323071	SLU 36	-366928	-796256	0.099	Si
177	7.6	5.4	7.6	5.4						-292158	SLU 36	-333331	-796256	0.099	Si
196	7.6	5.4	7.6	5.4						-263282	SLU 36	-301773	-796256	0.099	Si
215	7.6	5.4	7.6	5.4						-236446	SLU 36	-272253	-796256	0.099	Si
224	7.6	5.4	7.6	5.4						-223792	SLU 36	-258257	-796256	0.099	Si
243	7.6	5.4	7.6	5.4						-200012	SLU 36	-231795	-796256	0.099	Si
261	7.6	5.4	7.6	5.4						-178272	SLU 36	-207371	-796256	0.099	Si
265	7.6	5.4	7.6	5.4						-174301	SLU 36	-202801	-796256	0.099	Si
280	7.6	5.4	7.6	5.4						-158569	SLU 36	-158569	-796256	0.099	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	7.6	5.4						-523432	SLV 7	-510976	-1171175	0.11	Si
15	11.4	5.4	7.6	5.4						-507640	SLV 7	-507640	-1171175	0.11	Si
19	11.4	5.4	7.6	5.4						-504396	SLV 7	-507640	-1171175	0.11	Si
37	11.4	5.4	7.6	5.4						-492567	SLV 7	-507640	-1170959	0.11	Si
56	10.52	5.4	7.6	5.4						-484714	SLV 7	-495916	-1084241	0.108	Si
75	9.64	5.4	7.6	5.4						-479838	SLV 7	-486941	-997505	0.105	Si
84	9.2	5.4	7.6	5.4						-478453	SLV 7	-483688	-954108	0.104	Si
103	7.6	5.4	7.6	5.4						-477768	SLV 7	-479602	-796256	0.099	Si
121	7.6	5.4	7.6	5.4	-65229	SLV 9	3304	796256	0.099	-479602	SLV 7	-485252	-796256	0.099	Si
140	7.6	5.4	7.6	5.4	-12938	SLV 5	53891	796256	0.099	-483553	SLV 11	-491628	-796256	0.099	Si
159	7.6	5.4	7.6	5.4	38083	SLV 5	103062	796256	0.099	-489371	SLV 11	-499723	-796256	0.099	Si
177	7.6	5.4	7.6	5.4	87711	SLV 5	150764	796256	0.099	-496932	SLV 11	-509485	-796256	0.099	Si
196	7.6	5.4	7.6	5.4	135883	SLV 5	196967	796256	0.099	-506172	SLV 11	-520885	-796256	0.099	Si
215	7.6	5.4	7.6	5.4	182563	SLV 5	241652	796256	0.099	-517057	SLV 11	-533902	-796256	0.099	Si
224	7.6	5.4	7.6	5.4	205336	SLV 5	263421	796256	0.099	-523109	SLV 11	-541013	-796256	0.099	Si
243	7.6	5.4	7.6	5.4	249741	SLV 5	300809	796256	0.099	-536422	SLV 11	-554506	-796256	0.099	Si
261	7.6	5.4	7.6	5.4	292614	SLV 5	300809	796256	0.099	-551340	SLV 11	-554506	-796256	0.099	Si
265	7.6	5.4	7.6	5.4	300809	SLV 5	300809	796256	0.099	-554506	SLV 11	-554506	-796256	0.099	Si
280	7.6	5.4	7.6	5.4	333948	SLV 5	317677	796256	0.099	-567854	SLV 11	-561019	-796256	0.099	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	7.6	5.4						-492181	SLD 7	-478918	-1171175	0.11	Si
15	11.4	5.4	7.6	5.4						-469846	SLD 7	-469846	-1171175	0.11	Si
19	11.4	5.4	7.6	5.4						-464710	SLD 7	-469846	-1171175	0.11	Si
37	11.4	5.4	7.6	5.4						-441249	SLD 7	-469846	-1170959	0.11	Si
56	10.52	5.4	7.6	5.4						-420393	SLD 7	-448429	-1084241	0.108	Si
75	9.64	5.4	7.6	5.4						-401713	SLD 7	-426808	-997505	0.105	Si
84	9.2	5.4	7.6	5.4						-393164	SLD 7	-416864	-954108	0.104	Si
93	7.6	5.4	7.6	5.4						-385143	SLD 7	-407454	-796256	0.099	Si
103	7.6	5.4	7.6	5.4						-377640	SLD 7	-398571	-796256	0.099	Si
121	7.6	5.4	7.6	5.4						-364100	SLD 7	-382385	-796256	0.099	Si
140	7.6	5.4	7.6	5.4						-352369	SLD 11	-368232	-796256	0.099	Si
159	7.6	5.4	7.6	5.4						-342336	SLD 11	-355941	-796256	0.099	Si
177	7.6	5.4	7.6	5.4						-333948	SLD 11	-345378	-796256	0.099	Si
196	7.6	5.4	7.6	5.4						-327176	SLD 11	-336472	-796256	0.099	Si
215	7.6	5.4	7.6	5.4	-12489	SLD 5	25421	796256	0.099	-322005	SLD 11	-329191	-796256	0.099	Si
224	7.6	5.4	7.6	5.4	2245	SLD 5	39135	796256	0.099	-320017	SLD 11	-326153	-796256	0.099	Si
243	7.6	5.4	7.6	5.4	30551	SLD 5	62330	796256	0.099	-317232	SLD 11	-321275	-796256	0.099	Si
261	7.6	5.4	7.6	5.4	57304	SLD 5	62330	796256	0.099	-316030	SLD 11	-317987	-796256	0.099	Si
265	7.6	5.4	7.6	5.4	62330	SLD 5	62330	796256	0.099	-316027	SLD 11	-317518	-796256	0.099	Si
280	7.6	5.4	7.6	5.4	82502	SLD 5	72676	796256	0.099	-316409	SLD 11	-316018	-796256	0.099	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.52	0	2639	SLU 36	2639	7481	43335	0	7481	1	Si
15	0.048	10.08	0	2551	SLU 36	2551	7375	43335	4735	7375	1	Si
19	0.048	9.64	0	2530	SLU 36	2530	7266	43335	4735	7266	1	Si
37	0.048	7.6	0	2420	SLU 36	2420	6713	43335	4735	6713	1	Si
56	0.048	7.6	0	2311	SLU 36	2311	6713	43335	4735	6713	1	Si
75	0.048	7.6	0	2202	SLU 36	2202	6713	43335	4735	6713	1	Si
84	0.048	7.6	0	2147	SLU 36	2147	6713	43335	4735	6713	1	Si
103	0.048	7.6	0	2038	SLU 36	2038	6713	43335	4735	6713	1	Si
121	0.048	7.6	0	1929	SLU 36	1929	6713	43335	4735	6713	1	Si
140	0.048	7.6	0	1820	SLU 36	1820	6713	43335	4735	6713	1	Si
159	0.048	7.6	0	1711	SLU 36	1711	6713	43335	4735	6713	1	Si
177	0.048	7.6	0	1601	SLU 36	1601	6713	43335	4735	6713	1	Si
196	0.048	7.6	0	1492	SLU 36	1492	6713	43335	4735	6713	1	Si
215	0.048	7.6	0	1383	SLU 36	1383	6713	43335	4735	6713	1	Si
224	0.048	7.6	0	1328	SLU 36	1328	6713	43335	4735	6713	1	Si
243	0.048	7.6	0	1219	SLU 36	1219	6713	43335	4735	6713	1	Si
261	0.048	7.6	0	1110	SLU 36	1110	6713	43335	4735	6713	1	Si
265	0.048	7.6	0	1089	SLU 36	1089	6713	43335	4735	6713	1	Si
280	0	7.6	0	1001	SLU 36	1001	6713	43335	0	6713	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.52	0	3442	SLV 5	3847	7481	43335	0	7481	1	Si
0	0	10.52	0	324	SLV 11	-81	-7481	-43335	0	-7481	1	Si
15	0.048	10.08	0	3374	SLV 5	3779	7375	43335	4735	7375	1	Si
15	0.048	10.08	0	257	SLV 11	-149	-7375	-43335	-4735	-7375	1	Si
19	0.048	9.64	0	3358	SLV 5	3763	7266	43335	4735	7266	1	Si
19	0.048	9.64	0	240	SLV 11	-165	-7266	-43335	-4735	-7266	1	Si
37	0.048	7.6	0	3274	SLV 5	3679	6713	43335	4735	6713	1	Si
37	0.048	7.6	0	156	SLV 11	-249	-6713	-43335	-4735	-6713	1	Si
56	0.048	7.6	0	3190	SLV 5	3595	6713	43335	4735	6713	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
56	0.048	7.6	0	72	SLV 11	-333	-6713	-43335	-4735	-6713	1	Si
75	0.048	7.6	0	3106	SLV 5	3511	6713	43335	4735	6713	1	Si
75	0.048	7.6	0	-12	SLV 11	-417	-6713	-43335	-4735	-6713	1	Si
84	0.048	7.6	0	3064	SLV 5	3469	6713	43335	4735	6713	1	Si
84	0.048	7.6	0	-54	SLV 11	-459	-6713	-43335	-4735	-6713	1	Si
103	0.048	7.6	0	2980	SLV 5	3385	6713	43335	4735	6713	1	Si
103	0.048	7.6	0	-138	SLV 11	-543	-6713	-43335	-4735	-6713	1	Si
121	0.048	7.6	0	2896	SLV 5	3301	6713	43335	4735	6713	1	Si
121	0.048	7.6	0	-222	SLV 11	-627	-6713	-43335	-4735	-6713	1	Si
140	0.048	7.6	0	2812	SLV 5	3217	6713	43335	4735	6713	1	Si
140	0.048	7.6	0	-306	SLV 11	-711	-6713	-43335	-4735	-6713	1	Si
159	0.048	7.6	0	2728	SLV 5	3133	6713	43335	4735	6713	1	Si
159	0.048	7.6	0	-390	SLV 11	-795	-6713	-43335	-4735	-6713	1	Si
177	0.048	7.6	0	2644	SLV 5	3049	6713	43335	4735	6713	1	Si
177	0.048	7.6	0	-474	SLV 11	-879	-6713	-43335	-4735	-6713	1	Si
196	0.048	7.6	0	2560	SLV 5	2965	6713	43335	4735	6713	1	Si
196	0.048	7.6	0	-558	SLV 11	-963	-6713	-43335	-4735	-6713	1	Si
215	0.048	7.6	0	2476	SLV 5	2881	6713	43335	4735	6713	1	Si
215	0.048	7.6	0	-642	SLV 11	-1047	-6713	-43335	-4735	-6713	1	Si
224	0.048	7.6	0	2434	SLV 5	2839	6713	43335	4735	6713	1	Si
224	0.048	7.6	0	-684	SLV 11	-1089	-6713	-43335	-4735	-6713	1	Si
243	0.048	7.6	0	2350	SLV 5	2755	6713	43335	4735	6713	1	Si
243	0.048	7.6	0	-768	SLV 11	-1173	-6713	-43335	-4735	-6713	1	Si
261	0.048	7.6	0	2266	SLV 5	2671	6713	43335	4735	6713	1	Si
261	0.048	7.6	0	-852	SLV 11	-1257	-6713	-43335	-4735	-6713	1	Si
265	0.048	7.6	0	2249	SLV 5	2654	6713	43335	4735	6713	1	Si
265	0.048	7.6	0	-868	SLV 11	-1274	-6713	-43335	-4735	-6713	1	Si
280	0	7.6	0	2182	SLV 5	2587	6713	43335	0	6713	1	Si
280	0	7.6	0	-936	SLV 11	-1341	-6713	-43335	0	-6713	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.52	0	2572	SLD 5	2572	7481	43335	0	7481	1	Si
15	0.048	10.08	0	2504	SLD 5	2504	7375	43335	4735	7375	1	Si
19	0.048	9.64	0	2488	SLD 5	2488	7266	43335	4735	7266	1	Si
37	0.048	7.6	0	2404	SLD 5	2404	6713	43335	4735	6713	1	Si
56	0.048	7.6	0	2320	SLD 5	2320	6713	43335	4735	6713	1	Si
75	0.048	7.6	0	2236	SLD 5	2236	6713	43335	4735	6713	1	Si
84	0.048	7.6	0	2194	SLD 5	2194	6713	43335	4735	6713	1	Si
103	0.048	7.6	0	2110	SLD 5	2110	6713	43335	4735	6713	1	Si
121	0.048	7.6	0	2026	SLD 5	2026	6713	43335	4735	6713	1	Si
140	0.048	7.6	0	1942	SLD 5	1942	6713	43335	4735	6713	1	Si
159	0.048	7.6	0	1858	SLD 5	1858	6713	43335	4735	6713	1	Si
177	0.048	7.6	0	1774	SLD 5	1774	6713	43335	4735	6713	1	Si
196	0.048	7.6	0	1690	SLD 5	1690	6713	43335	4735	6713	1	Si
215	0.048	7.6	0	1606	SLD 5	1606	6713	43335	4735	6713	1	Si
224	0.048	7.6	0	1564	SLD 5	1564	6713	43335	4735	6713	1	Si
243	0.048	7.6	0	1480	SLD 5	1480	6713	43335	4735	6713	1	Si
261	0.048	7.6	0	1396	SLD 5	1396	6713	43335	4735	6713	1	Si
265	0.048	7.6	0	1379	SLD 5	1379	6713	43335	4735	6713	1	Si
280	0	7.6	0	1312	SLD 5	1312	6713	43335	0	6713	1	Si
280	0	7.6	0	-66	SLD 11	-66	-6713	-43335	0	-6713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-500349	9	-485483	28.5	124.5	873.3	1837	-467738	2	-453664	26.7	93.4	0	+∞	Si
15	-471077	9	-471077	27.7	124.5	847.4	1837	-440049	2	-440049	25.9	93.4	0	+∞	Si
19	-464017	9	-471077	27.7	124.5	847.4	1837	-433377	2	-440049	25.9	93.4	0	+∞	Si
37	-429254	9	-471077	27.7	124.5	847.5	1837	-400583	2	-440049	25.9	93.4	0	+∞	Si
56	-396058	9	-440124	26.6	124.5	855.3	1837	-369357	2	-410830	24.8	93.4	0	+∞	Si
75	-364431	9	-406432	25.3	124.5	859	1837	-339700	2	-379108	23.6	93.4	0	+∞	Si
84	-349205	9	-390175	24.6	124.5	862.6	1837	-325459	2	-363836	23	93.4	0	+∞	Si
103	-319930	9	-358835	24.2	124.5	953.8	1837	-298153	2	-334466	22.6	93.4	0	+∞	Si
121	-292222	9	-329064	22.2	124.5	874.7	1837	-272415	2	-306665	20.7	93.4	0	+∞	Si
140	-266083	9	-300861	20.3	124.5	799.7	1837	-248246	2	-280431	18.9	93.4	0	+∞	Si
159	-241511	9	-274225	18.5	124.5	728.9	1837	-225644	2	-255765	17.3	93.4	0	+∞	Si
177	-218508	9	-249158	16.8	124.5	662.3	1837	-204610	2	-232668	15.7	93.4	0	+∞	Si
196	-197072	9	-225659	15.2	124.5	599.8	1837	-185145	2	-211138	14.3	93.4	0	+∞	Si
215	-177205	9	-203727	13.8	124.5	541.5	1837	-167247	2	-191177	12.9	93.4	0	+∞	Si
224	-167859	9	-193350	13.1	124.5	513.9	1837	-158886	2	-181784	12.3	93.4	0	+∞	Si
243	-150344	9	-173770	11.7	124.5	461.9	1837	-143340	2	-164174	11.1	93.4	0	+∞	Si
261	-134396	9	-155759	10.5	124.5	414	1837	-129363	2	-148133	10	93.4	0	+∞	Si
265	-131495	9	-152396	10.3	124.5	405.1	1837	-126848	2	-145156	9.8	93.4	0	+∞	Si
280	-120017	9	-120017	8.1	124.5	319	1837	-116953	2	-116953	7.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
19	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	1	-0.01	1	9999	Si
37	-0.009	-0.009	-0.008	-0.008	-0.009	-0.009	-0.008	-0.008	-0.009	-0.009	-0.019	1	-0.019	1	9999	Si
56	-0.011	-0.012	-0.01	-0.011	-0.011	-0.012	-0.01	-0.01	-0.011	-0.012	-0.025	1	-0.025	1	9999	Si
75	-0.014	-0.015	-0.012	-0.013	-0.014	-0.014	-0.012	-0.012	-0.014	-0.014	-0.03	1	-0.03	1	9404	Si
84	-0.014	-0.016	-0.013	-0.014	-0.014	-0.015	-0.013	-0.013	-0.014	-0.015	-0.032	1	-0.032	1	8878	Si
103	-0.015	-0.017	-0.014	-0.015	-0.015	-0.016	-0.014	-0.014	-0.015	-0.016	-0.034	1	-0.034	1	8254	Si
121	-0.016	-0.017	-0.014	-0.015	-0.016	-0.016	-0.014	-0.014	-0.016	-0.016	-0.035	1	-0.035	1	8033	Si
140	-0.016	-0.017	-0.014	-0.015	-0.016	-0.016	-0.014	-0.014	-0.016	-0.016	-0.034	1	-0.035	1	8124	Si
159	-0.015	-0.016	-0.013	-0.014	-0.015	-0.015	-0.013	-0.014	-0.015	-0.015	-0.033	1	-0.033	1	8518	Si
177	-0.014	-0.015	-0.012	-0.013	-0.014	-0.014	-0.012	-0.013	-0.014	-0.014	-0.03	1	-0.031	1	9278	Si
196	-0.012	-0.013	-0.011	-0.012	-0.012	-0.012	-0.011	-0.011	-0.012	-0.012	-0.026	1	-0.027	1	9999	Si
215	-0.01	-0.011	-0.009	-0.01	-0.01	-0.01	-0.009	-0.009	-0.01	-0.01	-0.022	1	-0.022	1	9999	Si
224	-0.009	-0.009	-0.008	-0.008	-0.009	-0.009	-0.008	-0.008	-0.009	-0.009	-0.019	1	-0.02	1	9999	Si
243	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.014	1	-0.014	1	9999	Si
261	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
265	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	1815	1964	7375	SLV 5	0.57	2474	1.666	-440049	-67590	-1171175	SLV 7	0.57	2474	1.666	Si
19	1799	1964	7266	SLV 5	0.57	2474	1.666	-390584	-99243	-1171175	SLV 7	0.57	2474	1.666	Si
37	1715	1964	6713	SLV 5	0.57	2474	1.666	-359854	-123095	-1170959	SLV 7	0.57	2474	1.666	Si
56	1631	1964	6713	SLV 5	0.57	2474	1.666	-330692	-148270	-1084241	SLV 7	0.57	2474	1.666	Si
75	1547	1964	6713	SLV 5	0.57	2474	1.666	-303098	-174671	-997505	SLV 7	0.57	2474	1.666	Si
84	1505	1964	6713	SLV 5	0.57	2474	1.666	-298153	-179615	-954108	SLV 7	0.57	2474	1.666	Si
103	1421	1964	6713	SLV 5	0.57	2474	1.666	-264648	-212608	-796256	SLV 11	0.57	2474	1.666	Si
121	1337	1964	6713	SLV 5	0.57	2474	1.666	-240974	-244278	-796256	SLV 11	0.57	2474	1.666	Si
140	1253	1964	6713	SLV 5	0.57	2474	1.666	-218868	-272760	-796256	SLV 11	0.57	2474	1.666	Si
159	1169	1964	6713	SLV 5	0.57	2474	1.666	-198330	-301393	-796256	SLV 11	0.57	2474	1.666	Si
177	1085	1964	6713	SLV 5	0.57	2474	1.666	-179361	-330125	-796256	SLV 11	0.57	2474	1.666	Si
196	1001	1964	6713	SLV 5	0.57	2474	1.666	-161959	-358926	-796256	SLV 11	0.57	2474	1.666	Si
215	917	1964	6713	SLV 5	0.57	2474	1.666	-146125	-387777	-796256	SLV 11	0.57	2474	1.666	Si
224	875	1964	6713	SLV 5	0.57	2474	1.666	-138796	-402217	-796256	SLV 11	0.57	2474	1.666	Si
243	791	1964	6713	SLV 5	0.57	2474	1.666	-126848	-427657	-796256	SLV 11	0.56	2279	1.611	Si
261	707	1964	6713	SLV 5	0.57	2474	1.666	-126848	-427657	-796256	SLV 11	0.56	2279	1.611	Si
265	690	1964	6713	SLV 5	0.57	2474	1.666	-126848	-427657	-796256	SLV 11	0.56	2279	1.611	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	1815	689	7375	SLD 5	0.6	2474	4.193	-440049	-29797	-1171175	SLD 7	0.6	2474	4.193	Si
19	1799	689	7266	SLD 5	0.6	2474	4.193	-390584	-43889	-1171175	SLD 7	0.6	2474	4.193	Si
37	1715	689	6713	SLD 5	0.6	2474	4.193	-359854	-54465	-1170959	SLD 7	0.6	2474	4.193	Si
56	1631	689	6713	SLD 5	0.6	2474	4.193	-330692	-65614	-1084241	SLD 7	0.6	2474	4.193	Si
75	1547	689	6713	SLD 5	0.6	2474	4.193	-303098	-77298	-997505	SLD 7	0.6	2474	4.193	Si
84	1505	689	6713	SLD 5	0.6	2474	4.193	-289890	-83319	-954108	SLD 7	0.6	2474	4.193	Si
103	1421	689	6713	SLD 5	0.6	2474	4.193	-264648	-94082	-796256	SLD 11	0.6	2474	4.193	Si
121	1337	689	6713	SLD 5	0.6	2474	4.193	-240974	-108091	-796256	SLD 11	0.6	2474	4.193	Si
140	1253	689	6713	SLD 5	0.6	2474	4.193	-218868	-120687	-796256	SLD 11	0.6	2474	4.193	Si
159	1169	689	6713	SLD 5	0.6	2474	4.193	-198330	-133349	-796256	SLD 11	0.59	2474	4.193	Si
177	1085	689	6713	SLD 5	0.6	2474	4.193	-179361	-146054	-796256	SLD 11	0.56	2282	4.056	Si
196	1001	689	6713	SLD 5	0.6	2474	4.193	-161959	-158789	-796256	SLD 11	0.53	1965	3.815	Si
215	917	689	6713	SLD 5	0.6	2474	4.193	-146125	-171546	-796256	SLD 11	0.5	1707	3.601	Si
224	875	689	6713	SLD 5	0.6	2474	4.193	-138796	-177931	-796256	SLD 11	0.49	1596	3.503	Si
243	791	689	6713	SLD 5	0.6	2474	4.193	-126848	-189179	-796256	SLD 11	0.47	1421	3.34	Si
261	707	689	6713	SLD 5	0.6	2474	4.193	-126848	-189179	-796256	SLD 11	0.47	1421	3.34	Si
265	690	689	6713	SLD 5	0.6	2474	4.193	-126848	-189179	-796256	SLD 11	0.47	1421	3.34	Si

Campata 3 tra i fili ? - 31, sezione R 30x60, asta 1179

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-105620	SLU 19	-97310	-796256	0.099	Si
13	7.6	5.4	7.6	5.4						-92007	SLU 19	-91833	-796256	0.099	Si
15	7.6	5.4	7.6	5.4						-89631	SLU 19	-89631	-796256	0.099	Si
25	7.6	5.4	7.6	5.4						-79332	SLU 19	-89631	-796256	0.099	Si
38	7.6	5.4	7.6	5.4						-67597	SLU 19	-89631	-796256	0.099	Si
51	7.6	5.4	7.6	5.4						-56800	SLU 19	-78608	-796256	0.099	Si
57	7.6	5.4	7.6	5.4						-51754	SLU 19	-72651	-796256	0.099	Si
70	7.6	5.4	7.6	5.4						-42365	SLU 19	-61442	-796256	0.099	Si
82	7.6	5.4	7.6	5.4						-33916	SLU 19	-51171	-796256	0.099	Si
95	7.6	5.4	7.6	5.4						-26405	SLU 19	-41840	-796256	0.099	Si
108	7.6	5.4	7.6	5.4						-19833	SLU 19	-33447	-796256	0.099	Si
120	7.6	5.4	7.6	5.4						-14200	SLU 19	-25993	-796256	0.099	Si
133	7.6	5.4	7.6	5.4						-9506	SLU 19	-19478	-796256	0.099	Si
139	7.6	5.4	7.6	5.4						-7511	SLU 19	-16573	-796256	0.099	Si
152	7.6	5.4	7.6	5.4						-4225	SLU 19	-11466	-796256	0.099	Si
165	7.6	5.4	7.6	5.4						-1878	SLU 19	-7298	-796256	0.099	Si
177	7.6	5.4	7.6	5.4	-361	SLU 12	0	796256	0.099	-469	SLU 19	-4069	-796256	0.099	Si
190	0	0	0	0	0	SLU 29	0	0	0	0	SLU 4	-1778	0	0	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-81246	SLV 9	-74854	-796256	0.099	Si
13	7.6	5.4	7.6	5.4						-70774	SLV 9	-70640	-796256	0.099	Si
15	7.6	5.4	7.6	5.4						-68947	SLV 9	-68947	-796256	0.099	Si
25	7.6	5.4	7.6	5.4						-61025	SLV 9	-68947	-796256	0.099	Si
38	7.6	5.4	7.6	5.4						-51997	SLV 9	-68947	-796256	0.099	Si
51	7.6	5.4	7.6	5.4						-43692	SLV 9	-60468	-796256	0.099	Si
57	7.6	5.4	7.6	5.4						-39811	SLV 9	-55886	-796256	0.099	Si
70	7.6	5.4	7.6	5.4						-32589	SLV 9	-47263	-796256	0.099	Si
82	7.6	5.4	7.6	5.4						-26089	SLV 13	-39363	-796256	0.099	Si
95	7.6	5.4	7.6	5.4						-20312	SLV 13	-32184	-796256	0.099	Si
108	7.6	5.4	7.6	5.4						-15256	SLV 9	-25728	-796256	0.099	Si
120	7.6	5.4	7.6	5.4						-10923	SLV 9	-19995	-796256	0.099	Si
133	7.6	5.4	7.6	5.4						-7312	SLV 9	-14983	-796256	0.099	Si
139	7.6	5.4	7.6	5.4						-5777	SLV 9	-12748	-796256	0.099	Si
152	7.6	5.4	7.6	5.4						-3250	SLV 9	-8820	-796256	0.099	Si
165	7.6	5.4	7.6	5.4						-1444	SLV 9	-5614	-796256	0.099	Si
177	7.6	5.4	7.6	5.4	-361	SLV 7	0	796256	0.099	-361	SLV 9	-3130	-796256	0.099	Si
190	0	0	0	0	0	SLV 11	0	0	0	0	SLV 5	-1368	0	0	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-81246	SLD 9	-74854	-796256	0.099	Si
13	7.6	5.4	7.6	5.4						-70774	SLD 9	-70640	-796256	0.099	Si
15	7.6	5.4	7.6	5.4						-68947	SLD 9	-68947	-796256	0.099	Si
25	7.6	5.4	7.6	5.4						-61025	SLD 9	-68947	-796256	0.099	Si
38	7.6	5.4	7.6	5.4						-51997	SLD 9	-68947	-796256	0.099	Si
51	7.6	5.4	7.6	5.4						-43692	SLD 9	-60468	-796256	0.099	Si
57	7.6	5.4	7.6	5.4						-39811	SLD 9	-55886	-796256	0.099	Si
70	7.6	5.4	7.6	5.4						-32589	SLD 9	-47263	-796256	0.099	Si
82	7.6	5.4	7.6	5.4						-26089	SLD 13	-39363	-796256	0.099	Si
95	7.6	5.4	7.6	5.4						-20312	SLD 13	-32184	-796256	0.099	Si
108	7.6	5.4	7.6	5.4						-15256	SLD 9	-25728	-796256	0.099	Si
120	7.6	5.4	7.6	5.4						-10923	SLD 9	-19995	-796256	0.099	Si
133	7.6	5.4	7.6	5.4						-7312	SLD 9	-14983	-796256	0.099	Si
139	7.6	5.4	7.6	5.4						-5777	SLD 9	-12748	-796256	0.099	Si
152	7.6	5.4	7.6	5.4						-3250	SLD 9	-8820	-796256	0.099	Si
165	7.6	5.4	7.6	5.4						-1444	SLD 9	-5614	-796256	0.099	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
177	7.6	5.4	7.6	5.4	-361	SLD 7	0	796256	0.099	-361	SLD 9	-3130	-796256	0.099	Si
190	0	0	0	0	SLD 11		0	0	0	0	SLD 5	-1368	0	0	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1112	SLU 33	1112	6713	43335	0	6713	1	Si
13	0	7.6	0	1038	SLU 33	1038	6713	43335	0	6713	1	Si
15	0.046	7.6	0	1024	SLU 33	1024	6713	43335	4509	6713	1	Si
25	0.046	7.6	0	963	SLU 33	963	6713	43335	4509	6713	1	Si
38	0.046	7.6	0	889	SLU 33	889	6713	43335	4509	6713	1	Si
51	0.046	7.6	0	815	SLU 33	815	6713	43335	4509	6713	1	Si
57	0.046	7.6	0	778	SLU 33	778	6713	43335	4509	6713	1	Si
70	0.046	7.6	0	704	SLU 33	704	6713	43335	4509	6713	1	Si
82	0.046	7.6	0	630	SLU 33	630	6713	43335	4509	6713	1	Si
95	0.046	7.6	0	556	SLU 33	556	6713	43335	4509	6713	1	Si
108	0.046	7.6	0	482	SLU 33	482	6713	43335	4509	6713	1	Si
120	0.046	7.6	0	408	SLU 33	408	6713	43335	4509	6713	1	Si
133	0.046	0	0	333	SLU 33	333	5311	43335	4509	5311	1	Si
139	0.046	0	0	296	SLU 33	296	5311	43335	4509	5311	1	Si
152	0.046	0	0	222	SLU 33	222	5311	43335	4509	5311	1	Si
165	0.046	0	0	148	SLU 33	148	5311	43335	4509	5311	1	Si
177	0.046	0	0	74	SLU 33	74	5311	43335	4509	5311	1	Si
190	0.046	0	0	0	Ger.	0	5685	47621	4955	5685	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	855	SLV 11	855	6713	43335	0	6713	1	Si
13	0	7.6	0	798	SLV 11	798	6713	43335	0	6713	1	Si
15	0.046	7.6	0	788	SLV 11	788	6713	43335	4509	6713	1	Si
25	0.046	7.6	0	741	SLV 11	741	6713	43335	4509	6713	1	Si
38	0.046	7.6	0	684	SLV 11	684	6713	43335	4509	6713	1	Si
51	0.046	7.6	0	627	SLV 11	627	6713	43335	4509	6713	1	Si
57	0.046	7.6	0	599	SLV 11	599	6713	43335	4509	6713	1	Si
70	0.046	7.6	0	542	SLV 11	542	6713	43335	4509	6713	1	Si
82	0.046	7.6	0	485	SLV 11	485	6713	43335	4509	6713	1	Si
95	0.046	7.6	0	428	SLV 11	428	6713	43335	4509	6713	1	Si
108	0.046	7.6	0	371	SLV 11	371	6713	43335	4509	6713	1	Si
120	0.046	7.6	0	314	SLV 11	314	6713	43335	4509	6713	1	Si
133	0.046	0	0	257	SLV 11	257	5311	43335	4509	5311	1	Si
139	0.046	0	0	228	SLV 11	228	5311	43335	4509	5311	1	Si
152	0.046	0	0	171	SLV 11	171	5311	43335	4509	5311	1	Si
165	0.046	0	0	114	SLV 11	114	5311	43335	4509	5311	1	Si
177	0.046	0	0	57	SLV 11	57	5311	43335	4509	5311	1	Si
190	0.046	0	0	0	Ger.	0	5685	47621	4955	5685	1	Si
190	0.046	0	0	0	Ger.	0	-5685	-47621	-4955	-5685	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	855	SLD 11	855	6713	43335	0	6713	1	Si
13	0	7.6	0	798	SLD 11	798	6713	43335	0	6713	1	Si
15	0.046	7.6	0	788	SLD 11	788	6713	43335	4509	6713	1	Si
25	0.046	7.6	0	741	SLD 11	741	6713	43335	4509	6713	1	Si
38	0.046	7.6	0	684	SLD 11	684	6713	43335	4509	6713	1	Si
51	0.046	7.6	0	627	SLD 11	627	6713	43335	4509	6713	1	Si
57	0.046	7.6	0	599	SLD 11	599	6713	43335	4509	6713	1	Si
70	0.046	7.6	0	542	SLD 11	542	6713	43335	4509	6713	1	Si
82	0.046	7.6	0	485	SLD 11	485	6713	43335	4509	6713	1	Si
95	0.046	7.6	0	428	SLD 11	428	6713	43335	4509	6713	1	Si
108	0.046	7.6	0	371	SLD 11	371	6713	43335	4509	6713	1	Si
120	0.046	7.6	0	314	SLD 11	314	6713	43335	4509	6713	1	Si
133	0.046	0	0	257	SLD 11	257	5311	43335	4509	5311	1	Si
139	0.046	0	0	228	SLD 11	228	5311	43335	4509	5311	1	Si
152	0.046	0	0	171	SLD 11	171	5311	43335	4509	5311	1	Si
165	0.046	0	0	114	SLD 11	114	5311	43335	4509	5311	1	Si
177	0.046	0	0	57	SLD 11	57	5311	43335	4509	5311	1	Si
190	0.046	0	0	0	Ger.	0	5685	47621	4955	5685	1	Si
190	0.046	0	0	0	Ger.	0	-5685	-47621	-4955	-5685	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-81246	1	-74854	5.1	124.5	199	1837	-81246	1	-74854	5.1	93.4	0	+∞	Si
13	-70774	1	-70640	4.8	124.5	187.8	1837	-70774	1	-70640	4.8	93.4	0	+∞	Si
15	-68947	1	-68947	4.7	124.5	183.3	1837	-68947	1	-68947	4.7	93.4	0	+∞	Si
25	-61025	1	-68947	4.7	124.5	183.3	1837	-61025	1	-68947	4.7	93.4	0	+∞	Si
38	-51997	1	-68947	4.7	124.5	183.3	1837	-51997	1	-68947	4.7	93.4	0	+∞	Si
51	-43692	1	-60468	4.1	124.5	160.7	1837	-43692	1	-60468	4.1	93.4	0	+∞	Si
57	-39811	1	-55886	3.8	124.5	148.5	1837	-39811	1	-55886	3.8	93.4	0	+∞	Si
70	-32589	1	-47263	3.2	124.5	125.6	1837	-32589	1	-47263	3.2	93.4	0	+∞	Si
82	-26089	1	-39363	2.7	124.5	104.6	1837	-26089	1	-39363	2.7	93.4	0	+∞	Si
95	-20312	1	-32184	2.2	124.5	85.5	1837	-20312	1	-32184	2.2	93.4	0	+∞	Si
108	-15256	1	-25728	1.7	124.5	68.4	1837	-15256	1	-25728	1.7	93.4	0	+∞	Si
120	-10923	1	-19995	1.4	124.5	53.1	1837	-10923	1	-19995	1.4	93.4	0	+∞	Si
133	-7312	1	-14983	1	124.5	39.8	1837	-7312	1	-14983	1	93.4	0	+∞	Si
139	-5777	1	-12748	0.9	124.5	33.9	1837	-5777	1	-12748	0.9	93.4	0	+∞	Si
152	-3250	1	-8820	0.6	124.5	23.4	1837	-3250	1	-8820	0.6	93.4	0	+∞	Si
165	-1444	1	-5614	0.4	124.5	14.9	1837	-1444	1	-5614	0.4	93.4	0	+∞	Si
177	-361	1	-3130	0.2	124.5	8.3	1837	-361	1	-3130	0.2	93.4	0	+∞	Si
190	0	2	0	0	0	0	1837	0	2	0	0	0	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
13	-0.001	-0.001	0.002	0.002	-0.001	-0.001	0.002	0.002	-0.001	-0.001	0.005	1	0.005	1	9999	Si
15	-0.001	-0.001	0.003	0.002	-0.001	-0.001	0.003	0.002	-0.001	-0.001	0.006	1	0.006	1	9999	Si
25	-0.001	-0.002	0.005	0.004	-0.001	-0.002	0.004	0.004	-0.001	-0.001	0.01	1	0.01	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
38	-0.002	-0.002	0.007	0.006	-0.002	-0.002	0.007	0.006	-0.002	-0.002	0.016	1	0.016	1	9999	Si
51	-0.003	-0.003	0.009	0.009	-0.003	-0.003	0.009	0.009	-0.003	-0.003	0.021	1	0.021	1	9999	Si
57	-0.003	-0.003	0.01	0.01	-0.003	-0.003	0.01	0.01	-0.003	-0.003	0.024	1	0.024	1	9999	Si
70	-0.004	-0.004	0.013	0.012	-0.004	-0.004	0.012	0.012	-0.004	-0.004	0.03	1	0.03	1	9999	Si
82	-0.004	-0.004	0.015	0.014	-0.004	-0.004	0.015	0.014	-0.004	-0.004	0.036	1	0.035	1	9999	Si
95	-0.004	-0.005	0.018	0.017	-0.004	-0.005	0.017	0.017	-0.004	-0.005	0.042	1	0.041	1	9124	Si
108	-0.005	-0.006	0.02	0.019	-0.005	-0.005	0.019	0.019	-0.005	-0.005	0.048	1	0.047	1	7993	Si
120	-0.005	-0.006	0.023	0.022	-0.005	-0.006	0.022	0.022	-0.005	-0.005	0.053	1	0.053	1	7108	Si
133	-0.006	-0.007	0.026	0.024	-0.006	-0.006	0.024	0.024	-0.006	-0.006	0.059	1	0.059	1	6396	Si
139	-0.006	-0.007	0.027	0.025	-0.006	-0.006	0.026	0.025	-0.006	-0.006	0.062	1	0.062	1	6090	Si
152	-0.006	-0.007	0.029	0.028	-0.006	-0.007	0.028	0.028	-0.006	-0.007	0.068	1	0.068	1	5558	Si
165	-0.007	-0.008	0.032	0.03	-0.007	-0.007	0.03	0.03	-0.007	-0.007	0.074	1	0.074	1	5111	Si
177	-0.007	-0.008	0.035	0.032	-0.007	-0.008	0.033	0.032	-0.007	-0.007	0.08	1	0.08	1	4731	Si
190	-0.008	-0.009	0.037	0.035	-0.008	-0.008	0.035	0.035	-0.008	-0.008	0.086	1	0.085	1	4403	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	788	0	6713	SLV 11	0.57	2474	1.666	-68947	0	-796256	SLV 1	0.57	2474	1.666	Si
25	741	0	6713	SLV 11	0.57	2474	1.666	-44184	0	-796256	SLV 1	0.57	2474	1.666	Si
38	684	0	6713	SLV 11	0.57	2474	1.666	-36557	0	-796256	SLV 1	0.57	2474	1.666	Si
51	627	0	6713	SLV 11	0.57	2474	1.666	-29653	0	-796256	SLV 1	0.57	2474	1.666	Si
57	599	0	6713	SLV 11	0.57	2474	1.666	-26471	0	-796256	SLV 1	0.57	2474	1.666	Si
70	542	0	6713	SLV 11	0.57	2474	1.666	-20650	0	-796256	SLV 1	0.57	2474	1.666	Si
82	485	0	6713	SLV 11	0.57	2474	1.666	-15551	0	-796256	SLV 1	0.57	2474	1.666	Si
95	428	0	6713	SLV 11	0.57	2474	1.666	-11174	0	-796256	SLV 1	0.57	2474	1.666	Si
108	371	0	6713	SLV 11	0.57	2474	1.666	-7520	0	-796256	SLV 1	0.57	2474	1.666	Si
120	314	0	6713	SLV 11	0.57	2474	1.666	-4587	0	-796256	SLV 1	0.57	2474	1.666	Si
133	257	0	5311	SLV 11	0.57	2474	1.666	-2377	0	-796256	SLV 1	0.57	2474	1.666	Si
139	228	0	5311	SLV 11	0.57	2474	1.666	-1543	0	-796256	SLV 1	0.57	2474	1.666	Si
152	171	0	5311	SLV 11	0.57	2474	1.666	-416	0	-796256	SLV 1	0.57	2474	1.666	Si
165	114	0	5311	SLV 11	0.57	2474	1.666	-11	0	-796256	SLV 1	0.57	2474	1.666	Si
177	57	0	5311	SLV 11	0.57	2474	1.666	0	0	796256	SLV 1	0.57	2474	1.666	Si
190	0	0	5685	SLV 11	0.57	2474	1.666	0	0	0	SLV 1	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	788	0	6713	SLD 11	0.6	2474	4.193	-68947	0	-796256	SLD 1	0.6	2474	4.193	Si
25	741	0	6713	SLD 11	0.6	2474	4.193	-44184	0	-796256	SLD 1	0.6	2474	4.193	Si
38	684	0	6713	SLD 11	0.6	2474	4.193	-36557	0	-796256	SLD 1	0.6	2474	4.193	Si
51	627	0	6713	SLD 11	0.6	2474	4.193	-29653	0	-796256	SLD 1	0.6	2474	4.193	Si
57	599	0	6713	SLD 11	0.6	2474	4.193	-26471	0	-796256	SLD 1	0.6	2474	4.193	Si
70	542	0	6713	SLD 11	0.6	2474	4.193	-20650	0	-796256	SLD 1	0.6	2474	4.193	Si
82	485	0	6713	SLD 11	0.6	2474	4.193	-15551	0	-796256	SLD 1	0.6	2474	4.193	Si
95	428	0	6713	SLD 11	0.6	2474	4.193	-11174	0	-796256	SLD 1	0.6	2474	4.193	Si
108	371	0	6713	SLD 11	0.6	2474	4.193	-7520	0	-796256	SLD 1	0.6	2474	4.193	Si
120	314	0	6713	SLD 11	0.6	2474	4.193	-4587	0	-796256	SLD 1	0.6	2474	4.193	Si
133	257	0	5311	SLD 11	0.6	2474	4.193	-2377	0	-796256	SLD 1	0.6	2474	4.193	Si
139	228	0	5311	SLD 11	0.6	2474	4.193	-1543	0	-796256	SLD 1	0.6	2474	4.193	Si
152	171	0	5311	SLD 11	0.6	2474	4.193	-416	0	-796256	SLD 1	0.6	2474	4.193	Si
165	114	0	5311	SLD 11	0.6	2474	4.193	-11	0	-796256	SLD 1	0.6	2474	4.193	Si
177	57	0	5311	SLD 11	0.6	2474	4.193	0	0	796256	SLD 1	0.6	2474	4.193	Si
190	0	0	5685	SLD 11	0.6	2474	4.193	0	0	0	SLD 1	0.6	2474	4.193	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" (2689; 4271)-25

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - 15, sezione R 40x70, asta 1213

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	0	0	0	0	0	SLU 20	0	0	0	0	SLU 13	-114	0	0	Si
2	0	0	0	0	-10	SLU 2	0	0	0	-13	SLU 31	-114	0	0	Si
3	0	0	0	0	-39	SLU 3	0	0	0	-51	SLU 28	-114	0	0	Si
5	7.6	5.4	7.6	5.4	-87	SLU 3	0	962923	0.078	-114	SLU 28	-114	-962923	0.078	Si
7	7.6	5.4	7.6	5.4						-202	SLU 19	-186	-962923	0.078	Si
7	7.6	5.4	7.6	5.4						-256	SLU 19	-220	-962923	0.078	Si
9	7.6	5.4	7.6	5.4						-382	SLU 19	-284	-962923	0.078	Si
11	7.6	5.4	7.6	5.4						-534	SLU 19	-340	-962923	0.078	Si
12	7.6	5.4	7.6	5.4						-711	SLU 19	-391	-962923	0.078	Si
14	7.6	5.4	7.6	5.4						-913	SLU 19	-435	-962923	0.078	Si
16	7.6	5.4	7.6	5.4						-1141	SLU 19	-473	-962923	0.078	Si
17	7.6	5.4	7.6	5.4						-1393	SLU 19	-505	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
19	7.6	5.4	7.6	5.4						-1671	SLU 19	-530	-962923	0.078	Si
20	7.6	5.4	7.6	5.4						-1820	SLU 19	-540	-962923	0.078	Si
22	7.6	5.4	7.6	5.4						-2136	SLU 19	-556	-962923	0.078	Si
23	7.6	5.4	7.6	5.4						-2477	SLU 19	-566	-962923	0.078	Si
25	7.6	5.4	7.6	5.4						-2850	SLU 33	-569	-962923	0.078	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	0	0	0	0	0	SLV 5	0	0	0	0	SLV 11	-88	0	0	Si
2	0	0	0	0	-10	SLV 5	0	0	0	-10	SLV 11	-88	0	0	Si
3	0	0	0	0	-39	SLV 5	0	0	0	-39	SLV 11	-88	0	0	Si
5	7.6	5.4	7.6	5.4	-87	SLV 5	0	962923	0.078	-88	SLV 11	-88	-962923	0.078	Si
7	7.6	5.4	7.6	5.4						-156	SLV 11	-143	-962923	0.078	Si
7	7.6	5.4	7.6	5.4						-197	SLV 11	-170	-962923	0.078	Si
9	7.6	5.4	7.6	5.4						-294	SLV 11	-218	-962923	0.078	Si
11	7.6	5.4	7.6	5.4						-411	SLV 11	-262	-962923	0.078	Si
12	7.6	5.4	7.6	5.4						-547	SLV 11	-301	-962923	0.078	Si
14	7.6	5.4	7.6	5.4						-702	SLV 11	-335	-962923	0.078	Si
16	7.6	5.4	7.6	5.4						-877	SLV 11	-364	-962923	0.078	Si
17	7.6	5.4	7.6	5.4						-1072	SLV 11	-388	-962923	0.078	Si
19	7.6	5.4	7.6	5.4						-1286	SLV 11	-408	-962923	0.078	Si
20	7.6	5.4	7.6	5.4						-1400	SLV 11	-416	-962923	0.078	Si
22	7.6	5.4	7.6	5.4						-1643	SLV 11	-428	-962923	0.078	Si
23	7.6	5.4	7.6	5.4						-1906	SLV 11	-435	-962923	0.078	Si
25	7.6	5.4	7.6	5.4						-2190	SLV 11	-438	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	0	0	0	0	0	SLD 7	0	0	0	0	SLD 9	-88	0	0	Si
2	0	0	0	0	-10	SLD 7	0	0	0	-10	SLD 9	-88	0	0	Si
3	0	0	0	0	-39	SLD 7	0	0	0	-39	SLD 9	-88	0	0	Si
5	7.6	5.4	7.6	5.4	-87	SLD 7	0	962923	0.078	-88	SLD 9	-88	-962923	0.078	Si
7	7.6	5.4	7.6	5.4						-156	SLD 9	-143	-962923	0.078	Si
7	7.6	5.4	7.6	5.4						-197	SLD 9	-170	-962923	0.078	Si
9	7.6	5.4	7.6	5.4						-294	SLD 9	-218	-962923	0.078	Si
11	7.6	5.4	7.6	5.4						-411	SLD 9	-262	-962923	0.078	Si
12	7.6	5.4	7.6	5.4						-547	SLD 9	-301	-962923	0.078	Si
14	7.6	5.4	7.6	5.4						-702	SLD 9	-335	-962923	0.078	Si
16	7.6	5.4	7.6	5.4						-877	SLD 9	-364	-962923	0.078	Si
17	7.6	5.4	7.6	5.4						-1072	SLD 9	-388	-962923	0.078	Si
19	7.6	5.4	7.6	5.4						-1286	SLD 9	-408	-962923	0.078	Si
20	7.6	5.4	7.6	5.4						-1400	SLD 9	-416	-962923	0.078	Si
22	7.6	5.4	7.6	5.4						-1643	SLD 9	-428	-962923	0.078	Si
23	7.6	5.4	7.6	5.4						-1906	SLD 9	-435	-962923	0.078	Si
25	7.6	5.4	7.6	5.4						-2190	SLD 9	-438	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0.201	0	0	0	Ger.	0	8486	74078	25293	25293	1	Si
2	0.201	0	0	-15	SLU 19	-15	-8486	-74078	-25293	-25293	1	Si
3	0.201	0	0	-30	SLU 19	-30	-8486	-74078	-25293	-25293	1	Si
5	0.201	0	0	-45	SLU 19	-45	-7999	-68363	-23342	-23342	1	Si
7	0	0	0	-61	SLU 19	-61	-7999	-68363	0	-7999	1	Si
7	0	0	0	-68	SLU 19	-68	-7999	-68363	0	-7999	1	Si
9	0	0	0	-83	SLU 19	-83	-7999	-68363	0	-7999	1	Si
11	0	0	0	-99	SLU 19	-99	-7999	-68363	0	-7999	1	Si
12	0	0	0	-114	SLU 19	-114	-7999	-68363	0	-7999	1	Si
14	0	0	0	-129	SLU 19	-129	-7999	-68363	0	-7999	1	Si
16	0	0	0	-144	SLU 19	-144	-7999	-68363	0	-7999	1	Si
17	0	0	0	-159	SLU 19	-159	-7999	-68363	0	-7999	1	Si
19	0	0	0	-174	SLU 19	-174	-7999	-68363	0	-7999	1	Si
20	0	0	0	-182	SLU 19	-182	-7999	-68363	0	-7999	1	Si
22	0	0	0	-197	SLU 19	-197	-7999	-68363	0	-7999	1	Si
23	0	0	0	-212	SLU 19	-212	-7999	-68363	0	-7999	1	Si
25	0	0	0	-239	SLU 33	-239	-7999	-68363	0	-7999	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0.201	0	0	0	Ger.	0	8486	74078	25293	25293	1	Si
0	0.201	0	0	0	Ger.	0	-8486	-74078	-25293	-25293	1	Si
2	0.201	0	0	-12	SLV 11	-12	-8486	-74078	-25293	-25293	1	Si
3	0.201	0	0	-23	SLV 11	-23	-8486	-74078	-25293	-25293	1	Si
5	0.201	0	0	-35	SLV 11	-35	-7999	-68363	-23342	-23342	1	Si
7	0	0	0	-47	SLV 11	-47	-7999	-68363	0	-7999	1	Si
7	0	0	0	-53	SLV 11	-53	-7999	-68363	0	-7999	1	Si
9	0	0	0	-64	SLV 11	-64	-7999	-68363	0	-7999	1	Si
11	0	0	0	-76	SLV 11	-76	-7999	-68363	0	-7999	1	Si
12	0	0	0	-88	SLV 11	-88	-7999	-68363	0	-7999	1	Si
14	0	0	0	-99	SLV 11	-99	-7999	-68363	0	-7999	1	Si
16	0	0	0	-111	SLV 11	-111	-7999	-68363	0	-7999	1	Si
17	0	0	0	-123	SLV 11	-123	-7999	-68363	0	-7999	1	Si
19	0	0	0	-134	SLV 11	-134	-7999	-68363	0	-7999	1	Si
20	0	0	0	-140	SLV 11	-140	-7999	-68363	0	-7999	1	Si
22	0	0	0	-152	SLV 11	-152	-7999	-68363	0	-7999	1	Si
23	0	0	0	-163	SLV 11	-163	-7999	-68363	0	-7999	1	Si
25	0	0	0	-180	SLV 11	-180	-7999	-68363	0	-7999	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0.201	0	0	0	Ger.	0	8486	74078	25293	25293	1	Si
0	0.201	0	0	0	Ger.	0	-8486	-74078	-25293	-25293	1	Si
2	0.201	0	0	-12	SLD 9	-12	-8486	-74078	-25293	-25293	1	Si
3	0.201	0	0	-23	SLD 9	-23	-8486	-74078	-25293	-25293	1	Si
5	0.201	0	0	-35	SLD 9	-35	-7999	-68363	-23342	-23342	1	Si
7	0	0	0	-47	SLD 9	-47	-7999	-68363	0	-7999	1	Si
7	0	0	0	-53	SLD 9	-53	-7999	-68363	0	-7999	1	Si
9	0	0	0	-64	SLD 9	-64	-7999	-68363	0	-7999	1	Si
11	0	0	0	-76	SLD 9	-76	-7999	-68363	0	-7999	1	Si
12	0	0	0	-88	SLD 9	-88	-7999	-68363	0	-7999	1	Si
14	0	0	0	-99	SLD 9	-99	-7999	-68363	0	-7999	1	Si
16	0	0	0	-111	SLD 9	-111	-7999	-68363	0	-7999	1	Si
17	0	0	0	-123	SLD 9	-123	-7999	-68363	0	-7999	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
19	0	0	0	-134	SLD 9	-134	-7999	-68363	0	-7999	1	Si
20	0	0	0	-140	SLD 9	-140	-7999	-68363	0	-7999	1	Si
22	0	0	0	-152	SLD 9	-152	-7999	-68363	0	-7999	1	Si
23	0	0	0	-163	SLD 9	-163	-7999	-68363	0	-7999	1	Si
25	0	0	0	-180	SLD 9	-180	-7999	-68363	0	-7999	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	0	2	0	0	0	0	1837	0	2	0	0	0	0	+∞	Si
2	-10	4	-87	0	0	0	1837	-10	1	-87	0	0	0	+∞	Si
3	-39	1	-87	0	0	0	1837	-39	1	-87	0	0	0	+∞	Si
5	-87	1	-87	0	124.5	0	1837	-87	1	-87	0	93.4	0	+∞	Si
7	-156	1	-143	0	124.5	0.1	1837	-156	1	-143	0	93.4	0	+∞	Si
7	-197	1	-170	0	124.5	0.1	1837	-197	1	-170	0	93.4	0	+∞	Si
9	-294	1	-218	0	124.5	0.1	1837	-294	1	-218	0	93.4	0	+∞	Si
11	-411	1	-262	0	124.5	0.1	1837	-411	1	-262	0	93.4	0	+∞	Si
12	-547	1	-301	0	124.5	0.1	1837	-547	1	-301	0	93.4	0	+∞	Si
14	-702	1	-335	0	124.5	0.1	1837	-702	1	-335	0	93.4	0	+∞	Si
16	-877	1	-364	0	124.5	0.1	1837	-877	1	-364	0	93.4	0	+∞	Si
17	-1072	1	-388	0	124.5	0.2	1837	-1072	1	-388	0	93.4	0	+∞	Si
19	-1286	1	-408	0	124.5	0.2	1837	-1286	1	-408	0	93.4	0	+∞	Si
20	-1400	1	-416	0	124.5	0.2	1837	-1400	1	-416	0	93.4	0	+∞	Si
22	-1643	1	-428	0	124.5	0.2	1837	-1643	1	-428	0	93.4	0	+∞	Si
23	-1906	1	-435	0	124.5	0.2	1837	-1906	1	-435	0	93.4	0	+∞	Si
25	-2192	6	-437	0	124.5	0.2	1837	-2190	1	-437	0	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	-0.001	-0.002	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	2	0	2	9999	Si
2	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	2	0	2	9999	Si
3	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	2	0	2	9999	Si
5	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	2	0	2	9999	Si
7	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	2	0	2	9999	Si
7	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	2	0	2	9999	Si
9	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	2	0	2	9999	Si
11	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	2	0	2	9999	Si
12	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	2	0	2	9999	Si
14	0	-0.001	0	0	0	-0.001	0	0	0	-0.001	0	2	0	2	9999	Si
16	0	-0.001	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
17	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
19	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
22	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
0	0	0	25293	SLV 5	0.57	2474	1.666	0	0	0	SLV 1	0.57	2474	1.666	Si
1	-6	0	-25293	SLV 11	0.57	2474	1.666	-87	0	0	SLV 1	0	0	0	Si
2	-12	0	-25293	SLV 11	0.57	2474	1.666	-87	0	0	SLV 1	0	0	0	Si
3	-23	0	-25293	SLV 11	0.57	2474	1.666	-87	0	0	SLV 1	0	0	0	Si
5	-35	0	-23342	SLV 11	0.57	2474	1.666	-87	0	-962923	SLV 1	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
0	0	0	25293	SLD 7	0.6	2474	4.193	0	0	0	SLD 1	0.6	2474	4.193	Si
1	-6	0	-25293	SLD 9	0.6	2474	4.193	-87	0	0	SLD 1	0	0	0	Si
2	-12	0	-25293	SLD 9	0.6	2474	4.193	-87	0	0	SLD 1	0	0	0	Si
3	-23	0	-25293	SLD 9	0.6	2474	4.193	-87	0	0	SLD 1	0	0	0	Si
5	-35	0	-23342	SLD 9	0.6	2474	4.193	-87	0	-962923	SLD 1	0.6	2474	4.193	Si

Campata 2 tra i fili 15 - 16, sezione R 40x70, asta 1214

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-154184	SLU 35	-124750	-962923	0.078	Si
20	7.6	5.4	7.6	5.4						-99248	SLU 36	-99248	-962923	0.078	Si
20	7.6	5.4	7.6	5.4						-98830	SLU 36	-98830	-962923	0.078	Si
40	7.6	5.4	7.6	5.4	-27778	SLU 1	19247	962923	0.078	-52590	SLU 32	-98830	-962923	0.078	Si
60	7.6	5.4	7.6	5.4	2603	SLU 6	52789	962923	0.078	-17633	SLU 30	-72773	-962923	0.078	Si
69	7.6	5.4	7.6	5.4	20563	SLU 33	67017	962923	0.078	-6496	SLU 3	-51342	-962923	0.078	Si
89	7.6	5.4	7.6	5.4	53873	SLU 33	90386	962923	0.078	10412	SLU 3	-16670	-962923	0.078	Si
109	7.6	5.4	7.6	5.4	80401	SLU 33	106973	962923	0.078						Si
129	7.6	5.4	7.6	5.4	100146	SLU 33	116777	962923	0.078						Si
149	7.6	5.4	7.6	5.4	113109	SLU 33	119798	962923	0.078						Si
169	7.6	5.4	7.6	5.4	119289	SLU 33	119835	962923	0.078						Si
188	7.6	5.4	7.6	5.4	118686	SLU 33	119835	962923	0.078						Si
208	9.19	5.4	7.6	5.4	111494	SLU 35	119757	963150	0.079						Si
218	9.66	5.4	7.6	5.4	105809	SLU 26	118491	963206	0.079	25684	SLU 11	-444	-1207173	0.082	Si
238	10.59	5.4	9.53	5.4	92949	SLU 26	111083	1191840	0.082	9005	SLU 11	-24177	-1318179	0.084	Si
258	11.4	5.4	10.86	5.4	74268	SLU 26	99616	1350293	0.085	-12487	SLU 11	-38561	-1414420	0.086	Si
278	11.4	5.4	11.4	5.4	49982	SLU 26	83815	1414397	0.086	-38561	SLU 11	-38561	-1414397	0.086	Si
278	11.4	5.4	11.4	5.4	49764	SLU 26	49753	1414397	0.086	-38792	SLU 11	-38792	-1414397	0.086	Si
298	11.4	5.4	11.4	5.4	25529	SLU 22	25529	1414397	0.086	-69906	SLU 11	-53016	-1414397	0.086	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	725171	SLV 15	713080	962923	0.078	-917655	SLV 1	-869203	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	703781	SLV 15	703741	962923	0.078	-828243	SLV 1	-828217	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	703583	SLV 15	703583	962923	0.078	-827525	SLV 1	-827525	-962923	0.078	Si
40	7.6	5.4	7.6	5.4	679442	SLV 15	703583	962923	0.078	-744134	SLV 1	-827525	-962923	0.078	Si
60	7.6	5.4	7.6	5.4	651995	SLV 15	691128	962923	0.078	-665170	SLV 1	-782695	-962923	0.078	Si
69	7.6	5.4	7.6	5.4	637041	SLV 15	678529	962923	0.078	-627551	SLV 1	-741384	-962923	0.078	Si
89	7.6	5.4	7.6	5.4	604554	SLV 15	650970	962923	0.078	-555926	SLV 1	-662590	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
109	7.6	5.4	7.6	5.4	568513	SLV 15	620090	962923	0.078	-488998	SLV 1	-588729	-962923	0.078	Si
129	7.6	5.4	7.6	5.4	528835	SLV 15	585718	962923	0.078	-426685	SLV 1	-519626	-962923	0.078	Si
149	7.6	5.4	7.6	5.4	485503	SLV 15	547740	962923	0.078	-368971	SLV 1	-455170	-962923	0.078	Si
169	7.6	5.4	7.6	5.4	438576	SLV 15	506107	962923	0.078	-315914	SLV 1	-395313	-962923	0.078	Si
188	7.6	5.4	7.6	5.4	388226	SLV 15	460842	962923	0.078	-267688	SLV 1	-340074	-962923	0.078	Si
208	9.19	5.4	7.6	5.4	334848	SLV 15	412057	963150	0.079	-224685	SLV 1	-289569	-1151630	0.081	Si
218	9.66	5.4	7.6	5.4	310673	SLV 11	386419	963206	0.079	-208792	SLV 5	-266166	-1207173	0.082	Si
238	10.59	5.4	9.53	5.4	300665	SLV 11	332957	1191840	0.082	-221539	SLV 5	-252690	-1318179	0.084	Si
258	11.4	5.4	10.86	5.4	288784	SLV 11	305641	1350293	0.085	-240665	SLV 5	-268504	-1414420	0.086	Si
278	11.4	5.4	11.4	5.4	277710	SLV 7	294508	1414397	0.086	-268504	SLV 9	-268504	-1414397	0.086	Si
278	11.4	5.4	11.4	5.4	278532	SLV 7	277815	1414397	0.086	-269673	SLV 9	-268971	-1414397	0.086	Si
298	11.4	5.4	11.4	5.4	274639	SLV 7	274639	1414397	0.086	-313288	SLV 9	-296638	-1414397	0.086	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	267011	SLD 15	267011	962923	0.078	-459495	SLD 1	-427934	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	276540	SLD 15	276518	962923	0.078	-401002	SLD 1	-400994	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	276597	SLD 15	283969	962923	0.078	-400539	SLD 1	-400539	-962923	0.078	Si
40	7.6	5.4	7.6	5.4	282463	SLD 15	284709	962923	0.078	-347155	SLD 1	-400539	-962923	0.078	Si
60	7.6	5.4	7.6	5.4	284709	SLD 15	284709	962923	0.078	-297884	SLD 1	-371694	-962923	0.078	Si
69	7.6	5.4	7.6	5.4	284425	SLD 15	284709	962923	0.078	-274935	SLD 1	-345427	-962923	0.078	Si
89	7.6	5.4	7.6	5.4	280989	SLD 15	284690	962923	0.078	-232360	SLD 1	-296310	-962923	0.078	Si
109	7.6	5.4	7.6	5.4	273678	SLD 15	283037	962923	0.078	-194162	SLD 1	-251675	-962923	0.078	Si
129	7.6	5.4	7.6	5.4	262454	SLD 15	277537	962923	0.078	-160304	SLD 1	-211445	-962923	0.078	Si
149	7.6	5.4	7.6	5.4	247310	SLD 15	268138	962923	0.078	-130778	SLD 1	-175568	-962923	0.078	Si
169	7.6	5.4	7.6	5.4	228268	SLD 15	254819	962923	0.078	-105607	SLD 1	-144024	-962923	0.078	Si
188	7.6	5.4	7.6	5.4	205403	SLD 15	237587	962923	0.078	-84864	SLD 1	-116819	-962923	0.078	Si
208	9.19	5.4	7.6	5.4	178881	SLD 15	216490	963150	0.079	-68718	SLD 1	-94002	-1151630	0.081	Si
218	9.66	5.4	7.6	5.4	165875	SLD 11	204524	963206	0.079	-63994	SLD 5	-84270	-1207173	0.082	Si
238	10.59	5.4	9.53	5.4	155084	SLD 11	177885	1191840	0.082	-75958	SLD 5	-103131	-1318179	0.084	Si
258	11.4	5.4	10.86	5.4	141137	SLD 11	160519	1350293	0.085	-93018	SLD 5	-116102	-1414420	0.086	Si
278	11.4	5.4	11.4	5.4	125309	SLD 7	148067	1414397	0.086	-116102	SLD 9	-116102	-1414397	0.086	Si
278	11.4	5.4	11.4	5.4	125571	SLD 7	125254	1414397	0.086	-116712	SLD 9	-116410	-1414397	0.086	Si
298	11.4	5.4	11.4	5.4	110554	SLD 7	110554	1414397	0.086	-149203	SLD 9	-134635	-1414397	0.086	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3071	SLU 35	3071	8821	68363	0	8821	1	Si
20	0	7.6	0	2729	SLU 35	2729	8821	68363	0	8821	1	Si
20	0.062	7.6	0	2726	SLU 35	2726	8821	68363	7252	8821	1	Si
40	0.062	7.6	0	2387	SLU 35	2387	8821	68363	7252	8821	1	Si
60	0.062	7.6	0	2045	SLU 35	2045	8821	68363	7252	8821	1	Si
69	0.062	7.6	0	1874	SLU 35	1874	8821	68363	7252	8821	1	Si
89	0.062	7.6	0	1532	SLU 35	1532	8821	68363	7252	8821	1	Si
109	0.062	7.6	0	1190	SLU 35	1190	8821	68363	7252	8821	1	Si
129	0.062	7.6	0	848	SLU 35	848	8821	68363	7252	8821	1	Si
149	0.062	7.6	0	526	SLU 26	526	8821	68363	7252	8821	1	Si
169	0.062	7.6	0	261	SLU 22	261	8821	68363	7252	8821	1	Si
169	0.062	7.6	0	-113	SLU 11	-113	-8821	-68363	-7252	-8821	1	Si
188	0.062	7.6	0	25	SLU 22	25	8821	68363	7252	8821	1	Si
188	0.062	7.6	0	-361	SLU 16	-361	-8821	-68363	-7252	-8821	1	Si
208	0.062	7.6	0	-678	SLU 34	-678	-8821	-68363	-7252	-8821	1	Si
218	0.062	7.6	0	-849	SLU 34	-849	-8821	-68363	-7252	-8821	1	Si
238	0.062	7.6	0	-1191	SLU 34	-1191	-8821	-68363	-7252	-8821	1	Si
258	0.062	7.6	0	-1533	SLU 34	-1533	-8821	-68363	-7252	-8821	1	Si
278	0.062	9.19	0	-1872	SLU 34	-1872	-9396	-68363	-7252	-9396	1	Si
278	0	9.19	0	-1875	SLU 34	-1875	-9396	-68363	0	-9396	1	Si
298	0	10.13	0	-2212	SLU 34	-2212	-9705	-68363	0	-9705	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4903	SLV 3	5704	8821	68363	0	8821	1	Si
0	0	7.6	0	-1265	SLV 13	-2067	-8821	-68363	0	-8821	1	Si
20	0	7.6	0	4695	SLV 3	5496	8821	68363	0	8821	1	Si
20	0	7.6	0	-1473	SLV 13	-2275	-8821	-68363	0	-8821	1	Si
20	0.062	7.6	0	4693	SLV 3	5495	8821	68363	7252	8821	1	Si
20	0.062	7.6	0	-1475	SLV 13	-2276	-8821	-68363	-7252	-8821	1	Si
40	0.062	7.6	0	4487	SLV 3	5288	8821	68363	7252	8821	1	Si
40	0.062	7.6	0	-1681	SLV 13	-2483	-8821	-68363	-7252	-8821	1	Si
60	0.062	7.6	0	4279	SLV 3	5080	8821	68363	7252	8821	1	Si
60	0.062	7.6	0	-1889	SLV 13	-2691	-8821	-68363	-7252	-8821	1	Si
69	0.062	7.6	0	4174	SLV 3	4976	8821	68363	7252	8821	1	Si
69	0.062	7.6	0	-1993	SLV 13	-2795	-8821	-68363	-7252	-8821	1	Si
89	0.062	7.6	0	3966	SLV 3	4768	8821	68363	7252	8821	1	Si
89	0.062	7.6	0	-2201	SLV 13	-3003	-8821	-68363	-7252	-8821	1	Si
109	0.062	7.6	0	3758	SLV 3	4560	8821	68363	7252	8821	1	Si
109	0.062	7.6	0	-2409	SLV 13	-3211	-8821	-68363	-7252	-8821	1	Si
129	0.062	7.6	0	3550	SLV 3	4352	8821	68363	7252	8821	1	Si
129	0.062	7.6	0	-2617	SLV 13	-3419	-8821	-68363	-7252	-8821	1	Si
149	0.062	7.6	0	3342	SLV 3	4144	8821	68363	7252	8821	1	Si
149	0.062	7.6	0	-2825	SLV 13	-3627	-8821	-68363	-7252	-8821	1	Si
169	0.062	7.6	0	3134	SLV 3	3936	8821	68363	7252	8821	1	Si
169	0.062	7.6	0	-3033	SLV 13	-3835	-8821	-68363	-7252	-8821	1	Si
188	0.062	7.6	0	2926	SLV 3	3728	8821	68363	7252	8821	1	Si
188	0.062	7.6	0	-3241	SLV 13	-4043	-8821	-68363	-7252	-8821	1	Si
208	0.062	7.6	0	2718	SLV 3	3520	8821	68363	7252	8821	1	Si
208	0.062	7.6	0	-3449	SLV 13	-4251	-8821	-68363	-7252	-8821	1	Si
218	0.062	7.6	0	2614	SLV 3	3416	8821	68363	7252	8821	1	Si
218	0.062	7.6	0	-3553	SLV 13	-4355	-8821	-68363	-7252	-8821	1	Si
238	0.062	7.6	0	2406	SLV 3	3208	8821	68363	7252	8821	1	Si
238	0.062	7.6	0	-3761	SLV 13	-4563	-8821	-68363	-7252	-8821	1	Si
258	0.062	7.6	0	2198	SLV 3	3000	8821	68363	7252	8821	1	Si
258	0.062	7.6	0	-3969	SLV 13	-4771	-8821	-68363	-7252	-8821	1	Si
278	0.062	7.6	0	1992	SLV 3	2794	8821	68363	7252	8821	1	Si
278	0.062	9.19	0	-4176	SLV 13	-4978	-9396	-68363	-7252	-9396	1	Si
278	0	7.6	0	1990	SLV 3	2792	8821	68363	0	8821	1	Si
278	0	9.19	0	-4178	SLV 13	-4979	-9396	-68363	0	-9396	1	Si
298	0	7.6	0	1784	SLV 3	2586	8821	68363	0	8821	1	Si
298	0	10.13	0	-4384	SLV 13	-5185	-9705	-68363	0	-9705	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3182	SLD 3	3182	8821	68363	0	8821	1	Si
20	0	7.6	0	2974	SLD 3	2974	8821	68363	0	8821	1	Si
20	0.062	7.6	0	2972	SLD 3	2972	8821	68363	7252	8821	1	Si
40	0.062	7.6	0	2765	SLD 3	2765	8821	68363	7252	8821	1	Si
60	0.062	7.6	0	2557	SLD 3	2557	8821	68363	7252	8821	1	Si
60	0.062	7.6	0	-168	SLD 13	-168	-8821	-68363	-7252	-8821	1	Si
69	0.062	7.6	0	2453	SLD 3	2453	8821	68363	7252	8821	1	Si
69	0.062	7.6	0	-272	SLD 13	-272	-8821	-68363	-7252	-8821	1	Si
89	0.062	7.6	0	2245	SLD 3	2245	8821	68363	7252	8821	1	Si
89	0.062	7.6	0	-480	SLD 13	-480	-8821	-68363	-7252	-8821	1	Si
109	0.062	7.6	0	2037	SLD 3	2037	8821	68363	7252	8821	1	Si
109	0.062	7.6	0	-688	SLD 13	-688	-8821	-68363	-7252	-8821	1	Si
129	0.062	7.6	0	1829	SLD 3	1829	8821	68363	7252	8821	1	Si
129	0.062	7.6	0	-896	SLD 13	-896	-8821	-68363	-7252	-8821	1	Si
149	0.062	7.6	0	1621	SLD 3	1621	8821	68363	7252	8821	1	Si
149	0.062	7.6	0	-1104	SLD 13	-1104	-8821	-68363	-7252	-8821	1	Si
169	0.062	7.6	0	1413	SLD 3	1413	8821	68363	7252	8821	1	Si
169	0.062	7.6	0	-1312	SLD 13	-1312	-8821	-68363	-7252	-8821	1	Si
188	0.062	7.6	0	1205	SLD 3	1205	8821	68363	7252	8821	1	Si
188	0.062	7.6	0	-1520	SLD 13	-1520	-8821	-68363	-7252	-8821	1	Si
208	0.062	7.6	0	997	SLD 3	997	8821	68363	7252	8821	1	Si
208	0.062	7.6	0	-1728	SLD 13	-1728	-8821	-68363	-7252	-8821	1	Si
218	0.062	7.6	0	893	SLD 3	893	8821	68363	7252	8821	1	Si
218	0.062	7.6	0	-1832	SLD 13	-1832	-8821	-68363	-7252	-8821	1	Si
238	0.062	7.6	0	685	SLD 3	685	8821	68363	7252	8821	1	Si
238	0.062	7.6	0	-2040	SLD 13	-2040	-8821	-68363	-7252	-8821	1	Si
258	0.062	7.6	0	477	SLD 3	477	8821	68363	7252	8821	1	Si
258	0.062	7.6	0	-2248	SLD 13	-2248	-8821	-68363	-7252	-8821	1	Si
278	0.062	7.6	0	271	SLD 3	271	8821	68363	7252	8821	1	Si
278	0.062	9.19	0	-2455	SLD 13	-2455	-9396	-68363	-7252	-9396	1	Si
278	0	7.6	0	269	SLD 3	269	8821	68363	0	8821	1	Si
278	0	9.19	0	-2456	SLD 13	-2456	-9396	-68363	0	-9396	1	Si
298	0	7.6	0	63	SLD 3	63	8821	68363	0	8821	1	Si
298	0	10.13	0	-2663	SLD 13	-2663	-9705	-68363	0	-9705	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-112347	8	-90853	2.4	124.5	35.5	1837	-96287	1	-78062	3.5	93.4	0	+∞	Si
20	-72193	9	-72193	1.9	124.5	28.2	1837	-62231	2	-62231	2.8	93.4	0	+∞	Si
20	-71887	9	-71887	1.9	124.5	28.1	1837	-61971	2	-61971	2.8	93.4	0	+∞	Si
40	-37926	5	-71887	1.9	124.5	28.1	1837	-32346	2	-61971	2.8	93.4	0	+∞	Si
60	840	6	38554	1	124.5	15.1	1837								Si
60	-11825	3	-52811	1.4	124.5	20.6	1837	-6587	2	-45783	2.1	93.4	0	+∞	Si
69	14899	6	49030	1.3	124.5	19.2	1837	10023	1	39495	1.8	93.4	0	+∞	Si
69	-843	3	-36994	1	124.5	14.5	1837								Si
89	39350	6	66316	1.7	124.5	25.9	1837	31114	1	54538	2.4	93.4	0	+∞	Si
109	58913	6	78713	2.1	124.5	30.8	1837	48078	1	65455	2.9	93.4	0	+∞	Si
129	73587	6	86222	2.2	124.5	33.7	1837	60917	1	72245	3.2	93.4	0	+∞	Si
149	83372	6	88841	2.3	124.5	34.7	1837	69629	1	74909	3.4	93.4	0	+∞	Si
169	88269	6	88883	2.3	124.5	34.7	1837	74215	1	74960	3.4	93.4	0	+∞	Si
188	88276	6	88883	2.3	124.5	34.7	1837	74674	1	74960	3.4	93.4	0	+∞	Si
208	83523	8	88842	2.3	124.5	34.4	1837	71008	1	74941	3.3	93.4	0	+∞	Si
218	79406	8	88151	2.2	124.5	34.1	1837	67627	1	74584	3.2	93.4	0	+∞	Si
238	67505	8	83241	3.3	124.5	147.5	1837	57771	1	70776	2.8	93.4	0	+∞	Si
258	50715	8	73617	2.7	124.5	114.8	1837	43789	1	62842	2.3	93.4	0	+∞	Si
278	29229	8	59255	2.2	124.5	88.2	1837	25841	1	50907	1.9	93.4	0	+∞	Si
278	-9555	2	-9555	0.3	124.5	14.2	1837								Si
278	29036	8	29027	1.1	124.5	43.2	1837	25680	1	25672	0.9	93.4	0	+∞	Si
278	-9737	2	-9737	0.4	124.5	14.5	1837								Si
298	6530	4	6530	0.2	124.5	9.7	1837	3447	1	3447	0.1	93.4	0	+∞	Si
298	-34505	2	-20987	0.8	124.5	31.2	1837	-19324	2	-6317	0.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
40	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	1	0.001	1	9999	Si
60	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	1	0.001	1	9999	Si
69	0.001	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
89	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.002	1	9999	Si
109	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	1	0.003	1	9999	Si
129	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.002	0.004	1	0.003	1	9999	Si
149	0.002	0.001	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	1	0.003	1	9999	Si
169	0.002	0.001	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	1	0.003	1	9999	Si
188	0.002	0.001	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	1	0.003	1	9999	Si
208	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.004	1	0.003	1	9999	Si
218	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	1	0.003	1	9999	Si
238	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.002	1	9999	Si
258	0.001	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.001	1	9999	Si
278	0.001	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
278	0.001	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1609	3886	8821	SLV 3	0.57	2474	1.666	-61971	-765554	-962923	SLV 1	0.43	1066	1.18	Si
40	1403	3886	8821	SLV 3	0.57	2474	1.666	-61971	-765554	-962923	SLV 1	0.43	1066	1.18	Si
60	1195	3886	8821	SLV 3	0.57	2474	1.666	-45783	-736911	-962923	SLV 1	0.45	1236	1.254	Si
69	1091	3886	8821	SLV 3	0.57	2474	1.666	-31427	-709956	-962923	SLV 1	0.47	1421	1.328	Si
89	883	3886	8821	SLV 3	0.57	2474	1.666	-5810	-656780	-962923	SLV 1	0.52	1881	1.489	Si
109	675	3886	8821	SLV 3	0.57	2474	1.666	15681	604410	962923	SLV 15	0.56	2286	1.613	Si
129	467	3886	8821	SLV 3	0.57	2474	1.666	33046	552672	962923	SLV 15	0.57	2474	1.666	Si
149	259	3886	8821	SLV 3	0.57	2474	1.666	46285	501455	962923	SLV 15	0.57	2474	1.666	Si
169	51	3886	8821	SLV 3	0.57	2474	1.666	55397	450710	962923	SLV 15	0.57	2474	1.666	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
188	-158	-3886	-8821	SLV 13	0.57	2474	1.666	60384	400458	962923	SLV 15	0.57	2474	1.666	Si
208	-366	-3886	-8821	SLV 13	0.57	2474	1.666	61244	350813	963150	SLV 15	0.57	2474	1.666	Si
218	-470	-3886	-8821	SLV 13	0.57	2474	1.666	60127	326293	963206	SLV 15	0.57	2474	1.666	Si
238	-678	-3886	-8821	SLV 13	0.57	2474	1.666	54798	278159	1191840	SLV 15	0.57	2474	1.666	Si
258	-886	-3886	-8821	SLV 13	0.57	2474	1.666	4603	273107	1350293	SLV 7	0.57	2474	1.666	Si
278	-1092	-3886	-9396	SLV 13	0.57	2474	1.666	4603	273107	1414397	SLV 7	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1609	1363	8821	SLD 3	0.6	2474	4.193	-61971	-338568	-962923	SLD 1	0.36	686	2.478	Si
40	1403	1363	8821	SLD 3	0.6	2474	4.193	-61971	-338568	-962923	SLD 1	0.36	686	2.478	Si
60	1195	1363	8821	SLD 3	0.6	2474	4.193	-45783	-325911	-962923	SLD 1	0.38	787	2.622	Si
69	1091	1363	8821	SLD 3	0.6	2474	4.193	-31427	-313999	-962923	SLD 1	0.4	894	2.762	Si
89	883	1363	8821	SLD 3	0.6	2474	4.193	-5810	-290500	-962923	SLD 1	0.44	1176	3.091	Si
109	675	1363	8821	SLD 3	0.6	2474	4.193	15681	267356	962923	SLD 15	0.47	1427	3.346	Si
129	467	1363	8821	SLD 3	0.6	2474	4.193	33046	244491	962923	SLD 15	0.5	1724	3.616	Si
149	259	1363	8821	SLD 3	0.6	2474	4.193	46285	221853	962923	SLD 15	0.55	2151	3.959	Si
169	51	1363	8821	SLD 3	0.6	2474	4.193	55397	199421	962923	SLD 15	0.6	2474	4.193	Si
188	-158	-1363	-8821	SLD 13	0.6	2474	4.193	60384	177203	962923	SLD 15	0.6	2474	4.193	Si
208	-366	-1363	-8821	SLD 13	0.6	2474	4.193	61244	155246	963150	SLD 15	0.6	2474	4.193	Si
218	-470	-1363	-8821	SLD 13	0.6	2474	4.193	60127	144397	963206	SLD 15	0.6	2474	4.193	Si
238	-678	-1363	-8821	SLD 13	0.6	2474	4.193	54798	123087	1191840	SLD 15	0.6	2474	4.193	Si
258	-886	-1363	-8821	SLD 13	0.6	2474	4.193	4603	120706	1350293	SLD 7	0.6	2474	4.193	Si
278	-1092	-1363	-9396	SLD 13	0.6	2474	4.193	4603	120706	1414397	SLD 7	0.6	2474	4.193	Si

Campata 3 tra i fili 16 - 17, sezione R 40x70, asta 1215

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4						-122529	SLU 12	-83065	-1414397	0.086	Si
19	11.4	5.4	11.4	5.4	62609	SLU 19	62609	1414397	0.086	-48843	SLU 12	-48815	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4	65233	SLU 19	155351	1414397	0.086	-45772	SLU 12	-45772	-1414397	0.086	Si
38	11.4	5.4	11.4	5.4	121923	SLU 19	210590	1414397	0.086	20783	SLU 12	-45772	-1414397	0.086	Si
57	10.69	5.4	11.02	5.4	181252	SLU 24	265624	1368843	0.085	86350	SLU 12	-14702	-1329345	0.084	Si
77	9.78	5.4	9.73	5.4	237042	SLU 26	320824	1215706	0.083						Si
86	9.33	5.4	7.6	5.4	264678	SLU 35	346302	963167	0.079						Si
105	7.6	5.4	7.6	5.4	319972	SLU 35	399563	962923	0.078						Si
125	7.6	5.4	7.6	5.4	371970	SLU 36	448721	962923	0.078						Si
144	7.6	5.4	7.6	5.4	424051	SLU 36	492222	962923	0.078						Si
163	7.6	5.4	7.6	5.4	470475	SLU 36	530065	962923	0.078						Si
182	7.6	5.4	7.6	5.4	511241	SLU 36	564958	962923	0.078						Si
201	7.6	5.4	7.6	5.4	546350	SLU 36	597457	962923	0.078						Si
220	7.6	5.4	7.6	5.4	581287	SLU 30	625126	962923	0.078						Si
230	7.6	5.4	9.73	5.4	596974	SLU 30	637149	1215657	0.083						Si
249	7.6	5.4	11.02	5.4	624723	SLU 30	646698	1368954	0.085						Si
267	7.6	5.4	11.4	5.4	646698	SLU 30	646698	1414576	0.086						Si
268	7.6	5.4	11.4	5.4	647642	SLU 30	647580	1414576	0.086						Si
287	7.6	5.4	11.4	5.4	665730	SLU 30	657505	1414576	0.086						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	1153876	SLV 15	1116326	1414397	0.086	-1253896	SLV 1	-1153126	-1414397	0.086	Si
19	11.4	5.4	11.4	5.4	1080153	SLV 15	1080055	1414397	0.086	-1062429	SLV 1	-1062291	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4	1076832	SLV 15	1076832	1414397	0.086	-1054221	SLV 1	-1054221	-1414397	0.086	Si
38	11.4	5.4	11.4	5.4	1002878	SLV 15	1076832	1414397	0.086	-874538	SLV 1	-1054221	-1414397	0.086	Si
57	10.69	5.4	11.02	5.4	922057	SLV 15	1043235	1368843	0.085	-690227	SLV 1	-971188	-1329345	0.084	Si
77	9.78	5.4	9.73	5.4	837701	SLV 15	964245	1215706	0.083	-509508	SLV 1	-785026	-1222143	0.083	Si
86	9.33	5.4	7.6	5.4	794205	SLV 15	923421	963167	0.079	-420503	SLV 1	-693289	-1168434	0.082	Si
105	7.6	5.4	7.6	5.4	704605	SLV 15	839124	962923	0.078	-245231	SLV 1	-512511	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	611646	SLV 15	751318	962923	0.078	-73727	SLV 1	-335349	-962923	0.078	Si
144	7.6	5.4	7.6	5.4	516204	SLV 15	660067	962923	0.078	93134	SLV 1	-161871	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	434422	SLV 13	565650	962923	0.078						Si
182	7.6	5.4	7.6	5.4	460289	SLV 5	660759	962923	0.078						Si
201	7.6	5.4	7.6	5.4	581155	SLV 1	812591	962923	0.078						Si
220	7.6	5.4	7.6	5.4	734555	SLV 1	961070	962923	0.078	89189	SLV 15	-85873	-962923	0.078	Si
230	7.6	5.4	9.73	5.4	810097	SLV 1	1034007	1215657	0.083	32430	SLV 15	-145432	-963214	0.079	Si
249	7.6	5.4	11.02	5.4	958634	SLV 1	1097421	1368954	0.085	-83885	SLV 15	-198592	-963344	0.079	Si
267	7.6	5.4	11.4	5.4	1097421	SLV 1	1097421	1414576	0.086	-198592	SLV 15	-198592	-963377	0.08	Si
268	7.6	5.4	11.4	5.4	1103690	SLV 1	1103532	1414576	0.086	-203847	SLV 15	-203774	-963377	0.08	Si
287	7.6	5.4	11.4	5.4	1245224	SLV 1	1172318	1414576	0.086	-327414	SLV 15	-262095	-963377	0.08	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	482699	SLD 15	482699	1414397	0.086	-582719	SLD 1	-520507	-1414397	0.086	Si
19	11.4	5.4	11.4	5.4	482901	SLD 15	482869	1414397	0.086	-465178	SLD 1	-465106	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4	482794	SLD 15	482794	1414397	0.086	-460183	SLD 1	-460183	-1414397	0.086	Si
38	11.4	5.4	11.4	5.4	479545	SLD 15	482794	1414397	0.086	-351205	SLD 1	-460183	-1414397	0.086	Si
57	10.69	5.4	11.02	5.4	472633	SLD 15	481709	1368843	0.085	-240803	SLD 1	-409663	-1329345	0.084	Si
77	9.78	5.4	9.73	5.4	462170	SLD 15	476634	1215706	0.083	-133978	SLD 1	-297416	-1222143	0.083	Si
86	9.33	5.4	7.6	5.4	455610	SLD 15	472763	963167	0.079	-81909	SLD 1	-242632	-1168434	0.082	Si
105	7.6	5.4	7.6	5.4	439846	SLD 15	462360	962923	0.078	19528	SLD 1	-135746	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	420607	SLD 15	448416	962923	0.078	117312	SLD 1	-32448	-962923	0.078	Si
144	7.6	5.4	7.6	5.4	398280	SLD 15	430961	962923	0.078						Si
163	7.6	5.4	7.6	5.4	379997	SLD 13	440051	962923	0.078						Si
182	7.6	5.4	7.6	5.4	407356	SLD 5	516409	962923	0.078						Si
201	7.6	5.4	7.6	5.4	474761	SLD 1	594532	962923	0.078						Si
220	7.6	5.4	7.6	5.4	554607	SLD 1	669180	962923	0.078						Si
230	7.6	5.4	9.73	5.4	593270	SLD 1	705183	1215657	0.083						Si
249	7.6	5.4	11.02	5.4	667977	SLD 1	736100	1368954	0.085						Si
267	7.6	5.4	11.4	5.4	736100	SLD 1	736100	1414576	0.086						Si
268	7.6	5.4	11.4	5.4	739157	SLD 1	739064	1414576	0.086						Si
287	7.6	5.4	11.4	5.4	806791	SLD 1	772417	1414576	0.086						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.24	0	4783	SLU 36	4783	9740	68363	0	9740	1	Si
19	0	9.33	0	4488	SLU 36	4488	9444	68363	0	9444	1	Si
20	0.115	9.33	0	4475	SLU 36	4475	9444	68363	13338	13338	1	Si
38	0.115	7.6	0	4193	SLU 36	4193	8821	68363	13338	13338	1	Si
57	0.115	7.6	0	3898	SLU 36	3898	8821	68363	13338	13338	1	Si
77	0.115	7.6	0	3603	SLU 36	3603	8821	68363	13338	13338	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
86	0.115	7.6	0	3464	SLU 30	3464	8821	68363	13338	13338	1	Si
105	0.103	7.6	0	3212	SLU 30	3212	8821	68363	11942	11942	1	Si
125	0.103	7.6	0	2960	SLU 30	2960	8821	68363	11942	11942	1	Si
144	0.103	7.6	0	2708	SLU 30	2708	8821	68363	11942	11942	1	Si
163	0.103	7.6	0	2456	SLU 30	2456	8821	68363	11942	11942	1	Si
182	0.103	7.6	0	2204	SLU 30	2204	8821	68363	11942	11942	1	Si
201	0.086	7.6	0	1952	SLU 30	1952	8821	68363	10004	10004	1	Si
220	0.086	7.6	0	1700	SLU 30	1700	8821	68363	10004	10004	1	Si
230	0.086	7.6	0	1574	SLU 30	1574	8821	68363	10004	10004	1	Si
249	0.086	7.6	0	1322	SLU 30	1322	8821	68363	10004	10004	1	Si
267	0.086	7.6	0	1081	SLU 30	1081	8821	68363	10004	10004	1	Si
268	0	7.6	0	1070	SLU 30	1070	8821	68363	0	8821	1	Si
287	0	7.6	0	827	SLU 21	827	8821	68363	0	8821	1	Si
287	0	7.6	0	-153	SLU 15	-153	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.24	0	10084	SLV 1	11884	9740	68363	0	9740	1	Si
0	0	10.37	0	-3755	SLV 15	-5555	-9784	-68363	0	-9784	1	Si
19	0	9.33	0	9899	SLV 1	11698	9444	68363	0	9444	1	Si
19	0	7.6	0	-3941	SLV 15	-5741	-8821	-68363	0	-8821	1	Si
20	0.115	9.33	0	9890	SLV 1	11690	9444	68363	13338	13338	1	Si
20	0.115	7.6	0	-3949	SLV 15	-5749	-8821	-68363	-13338	-13338	1	Si
38	0.115	7.6	0	9713	SLV 1	11512	8821	68363	13338	13338	1	Si
38	0.115	7.6	0	-4127	SLV 15	-5926	-8821	-68363	-13338	-13338	1	Si
57	0.115	7.6	0	9527	SLV 1	11326	8821	68363	13338	13338	1	Si
57	0.115	7.6	0	-4313	SLV 15	-6112	-8821	-68363	-13338	-13338	1	Si
77	0.115	7.6	0	9341	SLV 1	11140	8821	68363	13338	13338	1	Si
77	0.115	7.6	0	-4499	SLV 15	-6298	-8821	-68363	-13338	-13338	1	Si
86	0.115	7.6	0	9248	SLV 1	11047	8821	68363	13338	13338	1	Si
86	0.115	7.6	0	-4592	SLV 15	-6391	-8821	-68363	-13338	-13338	1	Si
105	0.103	7.6	0	9062	SLV 1	10861	8821	68363	11942	11942	1	Si
105	0.103	7.6	0	-4778	SLV 15	-6577	-8821	-68363	-11942	-11942	1	Si
125	0.103	7.6	0	8876	SLV 1	10675	8821	68363	11942	11942	1	Si
125	0.103	7.6	0	-4964	SLV 15	-6763	-8821	-68363	-11942	-11942	1	Si
144	0.103	7.6	0	8690	SLV 1	10489	8821	68363	11942	11942	1	Si
144	0.103	7.6	0	-5150	SLV 15	-6949	-8821	-68363	-11942	-11942	1	Si
163	0.103	7.6	0	8504	SLV 1	10303	8821	68363	11942	11942	1	Si
163	0.103	7.6	0	-5336	SLV 15	-7135	-8821	-68363	-11942	-11942	1	Si
182	0.103	7.6	0	8318	SLV 1	10117	8821	68363	11942	11942	1	Si
182	0.103	7.6	0	-5522	SLV 15	-7321	-8821	-68363	-11942	-11942	1	Si
201	0.086	7.6	0	8132	SLV 1	9932	8821	68363	10004	10004	1	Si
201	0.086	7.6	0	-5708	SLV 15	-7507	-8821	-68363	-10004	-10004	1	Si
220	0.086	7.6	0	7946	SLV 1	9746	8821	68363	10004	10004	1	Si
220	0.086	7.6	0	-5894	SLV 15	-7693	-8821	-68363	-10004	-10004	1	Si
230	0.086	7.6	0	7853	SLV 1	9653	8821	68363	10004	10004	1	Si
230	0.086	7.6	0	-5986	SLV 15	-7786	-8821	-68363	-10004	-10004	1	Si
249	0.086	7.6	0	7668	SLV 1	9467	8821	68363	10004	10004	1	Si
249	0.086	7.6	0	-6172	SLV 15	-7972	-8821	-68363	-10004	-10004	1	Si
267	0.086	7.6	0	7490	SLV 1	9289	8821	68363	10004	10004	1	Si
267	0.086	7.6	0	-6350	SLV 15	-8149	-8821	-68363	-10004	-10004	1	Si
268	0	7.6	0	7482	SLV 1	9281	8821	68363	0	8821	1	Si
268	0	7.6	0	-6358	SLV 15	-8157	-8821	-68363	0	-8821	1	Si
287	0	7.6	0	7296	SLV 1	9095	8821	68363	0	8821	1	Si
287	0	7.6	0	-6544	SLV 15	-8343	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.24	0	6226	SLD 1	6226	9740	68363	0	9740	1	Si
19	0	9.33	0	6040	SLD 1	6040	9444	68363	0	9444	1	Si
19	0	7.6	0	-83	SLD 15	-83	-8821	-68363	0	-8821	1	Si
20	0.115	9.33	0	6032	SLD 1	6032	9444	68363	13338	13338	1	Si
20	0.115	7.6	0	-91	SLD 15	-91	-8821	-68363	-13338	-13338	1	Si
38	0.115	7.6	0	5855	SLD 1	5855	8821	68363	13338	13338	1	Si
38	0.115	7.6	0	-269	SLD 15	-269	-8821	-68363	-13338	-13338	1	Si
57	0.115	7.6	0	5669	SLD 1	5669	8821	68363	13338	13338	1	Si
57	0.115	7.6	0	-455	SLD 15	-455	-8821	-68363	-13338	-13338	1	Si
77	0.115	7.6	0	5483	SLD 1	5483	8821	68363	13338	13338	1	Si
77	0.115	7.6	0	-641	SLD 15	-641	-8821	-68363	-13338	-13338	1	Si
86	0.115	7.6	0	5390	SLD 1	5390	8821	68363	13338	13338	1	Si
86	0.115	7.6	0	-734	SLD 15	-734	-8821	-68363	-13338	-13338	1	Si
105	0.103	7.6	0	5204	SLD 1	5204	8821	68363	11942	11942	1	Si
105	0.103	7.6	0	-920	SLD 15	-920	-8821	-68363	-11942	-11942	1	Si
125	0.103	7.6	0	5018	SLD 1	5018	8821	68363	11942	11942	1	Si
125	0.103	7.6	0	-1106	SLD 15	-1106	-8821	-68363	-11942	-11942	1	Si
144	0.103	7.6	0	4832	SLD 1	4832	8821	68363	11942	11942	1	Si
144	0.103	7.6	0	-1292	SLD 15	-1292	-8821	-68363	-11942	-11942	1	Si
163	0.103	7.6	0	4646	SLD 1	4646	8821	68363	11942	11942	1	Si
163	0.103	7.6	0	-1478	SLD 15	-1478	-8821	-68363	-11942	-11942	1	Si
182	0.103	7.6	0	4460	SLD 1	4460	8821	68363	11942	11942	1	Si
182	0.103	7.6	0	-1664	SLD 15	-1664	-8821	-68363	-11942	-11942	1	Si
201	0.086	7.6	0	4274	SLD 1	4274	8821	68363	10004	10004	1	Si
201	0.086	7.6	0	-1849	SLD 15	-1849	-8821	-68363	-10004	-10004	1	Si
220	0.086	7.6	0	4088	SLD 1	4088	8821	68363	10004	10004	1	Si
220	0.086	7.6	0	-2035	SLD 15	-2035	-8821	-68363	-10004	-10004	1	Si
230	0.086	7.6	0	3995	SLD 1	3995	8821	68363	10004	10004	1	Si
230	0.086	7.6	0	-2128	SLD 15	-2128	-8821	-68363	-10004	-10004	1	Si
249	0.086	7.6	0	3809	SLD 1	3809	8821	68363	10004	10004	1	Si
249	0.086	7.6	0	-2314	SLD 15	-2314	-8821	-68363	-10004	-10004	1	Si
267	0.086	7.6	0	3632	SLD 1	3632	8821	68363	10004	10004	1	Si
267	0.086	7.6	0	-2492	SLD 15	-2492	-8821	-68363	-10004	-10004	1	Si
268	0	7.6	0	3624	SLD 1	3624	8821	68363	0	8821	1	Si
268	0	7.6	0	-2500	SLD 15	-2500	-8821	-68363	0	-8821	1	Si
287	0	7.6	0	3438	SLD 1	3438	8821	68363	0	8821	1	Si
287	0	7.6	0	-2686	SLD 15	-2686	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-70905	3	-37404	1.4	124.5	55.7	1837	-50010	2	-18400	0.7	93.4	0	+∞	Si
19	32976	1	32976	1.2	124.5	49.1	1837	32976	1	32976	1.2	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
19	-8410	3	-8387	0.3	124.5	12.5	1837								Si
20	35218	1	111815	4.1	124.5	166.4	1837	35218	1	110439	4	93.4	0	+∞	Si
20	-5809	3	-5809	0.2	124.5	8.6	1837								Si
38	83654	1	158114	5.8	124.5	235.4	1837	83654	1	153703	5.6	93.4	0	+∞	Si
57	133537	6	202828	7.6	124.5	312.3	1837	130769	1	195413	7.3	93.4	0	+∞	Si
77	180255	8	243428	9.6	124.5	423.1	1837	174321	1	233561	9.2	93.4	0	+∞	Si
86	202132	8	262185	6.7	124.5	101.5	1837	194761	1	251298	11	93.4	0	+∞	Si
105	242801	8	300978	7.8	124.5	117.6	1837	232967	1	287841	12.9	93.4	0	+∞	Si
125	280929	9	336693	8.8	124.5	131.6	1837	268960	2	321709	14.4	93.4	0	+∞	Si
144	318769	9	368293	9.6	124.5	144	1837	304669	2	352014	15.8	93.4	0	+∞	Si
163	352495	9	395778	10.3	124.5	154.7	1837	336815	2	378755	17	93.4	0	+∞	Si
182	382107	9	420954	11	124.5	164.5	1837	365397	2	401933	18	93.4	0	+∞	Si
201	407604	9	444192	11.6	124.5	173.6	1837	390416	2	421547	18.9	93.4	0	+∞	Si
220	432644	3	463866	12.1	124.5	181.3	1837	411872	2	437598	19.6	93.4	0	+∞	Si
230	443848	3	472367	19.3	124.5	822.5	1837	421264	2	444288	18.2	93.4	0	+∞	Si
249	463581	3	479087	18.7	124.5	739.8	1837	437374	2	449414	17.6	93.4	0	+∞	Si
267	479087	3	479087	18.5	124.5	715.8	1837	449414	2	449414	17.4	93.4	0	+∞	Si
268	479752	3	479706	18.5	124.5	716.7	1837	449921	2	449879	17.4	93.4	0	+∞	Si
287	492358	3	486675	18.8	124.5	727.1	1837	458905	2	455112	17.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
20	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
38	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	1	0.007	1	9999	Si
57	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	1	0.011	1	9999	Si
77	0.006	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.014	2	9999	Si
86	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.016	2	9999	Si
105	0.008	0.008	0.007	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.018	2	0.018	2	9999	Si
125	0.009	0.009	0.008	0.008	0.009	0.009	0.008	0.008	0.009	0.009	0.02	2	0.02	2	9999	Si
144	0.01	0.009	0.009	0.008	0.009	0.009	0.008	0.008	0.009	0.009	0.021	2	0.021	2	9999	Si
163	0.01	0.009	0.009	0.008	0.009	0.009	0.008	0.008	0.009	0.009	0.022	2	0.021	2	9999	Si
182	0.01	0.009	0.009	0.008	0.009	0.009	0.008	0.008	0.009	0.009	0.021	2	0.021	2	9999	Si
201	0.009	0.008	0.008	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.02	2	0.019	2	9999	Si
220	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.017	2	0.017	2	9999	Si
230	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.015	2	9999	Si
249	0.005	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
267	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
268	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	2971	8719	13338	SLV 1	0.43	1096	1.193	11305	1065527	1414397	SLV 15	0.47	1435	1.333	Si
38	2793	8719	13338	SLV 1	0.44	1146	1.215	11305	1065527	1414397	SLV 15	0.47	1435	1.333	Si
57	2607	8719	13338	SLV 1	0.44	1200	1.239	36023	1007211	1368843	SLV 15	0.48	1454	1.34	Si
77	2421	8719	13338	SLV 1	0.45	1256	1.262	89609	874635	1215706	SLV 15	0.46	1352	1.301	Si
86	2328	8719	13338	SLV 1	0.45	1285	1.274	115066	808355	963167	SLV 15	0.38	800	1.049	Si
105	2142	8719	11942	SLV 1	0.41	946	1.124	163307	675817	962923	SLV 15	0.43	1081	1.187	Si
125	1956	8719	11942	SLV 1	0.41	992	1.146	207984	543333	962923	SLV 15	0.5	1657	1.414	Si
144	1770	8719	11942	SLV 1	0.42	1042	1.169	249098	410969	962923	SLV 15	0.57	2474	1.666	Si
163	1584	8719	11942	SLV 1	0.43	1093	1.192	286649	279001	962923	SLV 15	0.57	2474	1.666	Si
182	1398	8719	11942	SLV 1	0.44	1146	1.215	401933	258826	962923	SLV 1	0.57	2474	1.666	Si
201	1212	8719	10004	SLV 1	0.37	726	1.008	421547	391044	962923	SLV 1	0.5	1641	1.408	Si
220	1026	8719	10004	SLV 1	0.37	764	1.029	437598	523472	962923	SLV 1	0.37	718	1.003	Si
230	934	8719	10004	SLV 1	0.38	783	1.04	444288	589720	1215657	SLV 1	0.47	1410	1.323	Si
249	748	8719	10004	SLV 1	0.39	823	1.061	449414	648007	1368954	SLV 1	0.51	1752	1.447	Si
267	570	8719	10004	SLV 1	0.39	862	1.082	449414	648007	1414576	SLV 1	0.53	1995	1.526	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	2971	3062	13338	SLD 1	0.45	1265	3.185	11305	471489	1414397	SLD 15	0.4	901	2.771	Si
38	2793	3062	13338	SLD 1	0.46	1323	3.244	11305	471489	1414397	SLD 15	0.4	901	2.771	Si
57	2607	3062	13338	SLD 1	0.47	1386	3.306	36023	445686	1368843	SLD 15	0.4	913	2.786	Si
77	2421	3062	13338	SLD 1	0.47	1451	3.369	89609	387025	1215706	SLD 15	0.39	853	2.71	Si
86	2328	3062	13338	SLD 1	0.48	1484	3.4	115066	357697	963167	SLD 15	0.32	520	2.212	Si
105	2142	3062	11942	SLD 1	0.43	1090	2.996	163307	299053	962923	SLD 15	0.36	694	2.49	Si
125	1956	3062	11942	SLD 1	0.44	1145	3.057	207984	240432	962923	SLD 15	0.42	1034	2.932	Si
144	1770	3062	11942	SLD 1	0.44	1203	3.12	249098	181862	962923	SLD 15	0.52	1875	3.742	Si
163	1584	3062	11942	SLD 1	0.45	1262	3.182	286649	123467	962923	SLD 15	0.6	2474	4.193	Si
182	1398	3062	11942	SLD 1	0.46	1323	3.244	401933	114476	962923	SLD 1	0.6	2474	4.193	Si
201	1212	3062	10004	SLD 1	0.39	826	2.674	421547	172984	962923	SLD 1	0.42	1025	2.922	Si
220	1026	3062	10004	SLD 1	0.39	869	2.73	437598	231582	962923	SLD 1	0.31	469	2.12	Si
230	934	3062	10004	SLD 1	0.4	892	2.76	444288	260895	1215657	SLD 1	0.4	888	2.755	Si
249	748	3062	10004	SLD 1	0.41	937	2.816	449414	286686	1368954	SLD 1	0.43	1095	3.002	Si
267	570	3062	10004	SLD 1	0.41	983	2.872	449414	286686	1414576	SLD 1	0.45	1246	3.165	Si

Campata 4 tra i fili 17 - 18, sezione R 40x70, asta 1216

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	928761	SLU 30	898215	1414576	0.086						Si
18	7.6	5.4	11.4	5.4	871814	SLU 30	871417	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	865131	SLU 30	865131	1414576	0.086						Si
36	7.6	5.4	11.4	5.4	810606	SLU 30	865131	1414576	0.086						Si
54	7.6	5.4	10.9	5.4	745138	SLU 30	848659	1354960	0.085						Si
72	7.6	5.4	9.69	5.4	675409	SLU 30	785811	1210990	0.083						Si
81	7.6	5.4	7.6	5.4	638946	SLU 30	752789	962923	0.078						Si
99	7.6	5.4	7.6	5.4	562826	SLU 30	683550	962923	0.078						Si
117	7.6	5.4	7.6	5.4	482446	SLU 30	610050	962923	0.078						Si
135	7.6	5.4	7.6	5.4	397805	SLU 30	532290	962923	0.078						Si
153	7.6	5.4	7.6	5.4	308903	SLU 30	450269	962923	0.078						Si
171	7.6	5.4	7.6	5.4	215740	SLU 30	363987	962923	0.078						Si
189	7.6	5.4	7.6	5.4	118317	SLU 30	273445	962923	0.078	59707	SLU 1	-75467	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
207	11.15	5.4	7.6	5.4	22694	SLU 12	178642	963356	0.079	-16471	SLU 19	-176781	-1384634	0.086	Si
216	12	5.4	7.6	5.4	-19900	SLU 12	129643	963427	0.08	-64168	SLU 24	-231773	-1485363	0.088	Si
234	13.7	5.4	7.6	5.4	-107085	SLU 3	32284	963546	0.08	-164199	SLU 33	-262423	-1686702	0.092	Si
250	15.21	5.4	7.6	5.4						-262423	SLU 33	-262423	-1865528	0.096	Si
252	15.21	5.4	7.6	5.4						-274857	SLU 33	-274308	-1865528	0.096	Si
270	15.21	5.4	7.6	5.4						-392080	SLU 34	-324977	-1865528	0.096	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	1422797	SLV 13	1333136	1414576	0.086	-91183	SLV 3	-45856	-963377	0.08	Si
18	7.6	5.4	11.4	5.4	1259587	SLV 13	1258666	1414576	0.086	-10671	SLV 3	-10328	-963377	0.08	Si
20	7.6	5.4	11.4	5.4	1241198	SLV 13	1241198	1414576	0.086	-1994	SLV 3	-1994	-963377	0.08	Si
36	7.6	5.4	11.4	5.4	1093329	SLV 13	1241198	1414576	0.086	66603	SLV 3	-1994	-963377	0.08	Si
54	7.6	5.4	10.9	5.4	924089	SLV 13	1195869	1354960	0.085						Si
72	7.6	5.4	9.69	5.4	752042	SLV 13	1028454	1210990	0.083						Si
81	7.6	5.4	7.6	5.4	665144	SLV 13	943636	962923	0.078						Si
99	7.6	5.4	7.6	5.4	544486	SLV 9	771903	962923	0.078						Si
117	7.6	5.4	7.6	5.4	478179	SLV 5	608090	962923	0.078	203540	SLV 11	-49360	-962923	0.078	Si
135	7.6	5.4	7.6	5.4	498401	SLV 1	575133	962923	0.078	59764	SLV 15	-229922	-962923	0.078	Si
153	7.6	5.4	7.6	5.4	546649	SLV 1	619611	962923	0.078	-118325	SLV 15	-414392	-962923	0.078	Si
171	7.6	5.4	7.6	5.4	592589	SLV 1	661821	962923	0.078	-300391	SLV 15	-602879	-962923	0.078	Si
189	7.6	5.4	7.6	5.4	636168	SLV 1	701954	962923	0.078	-486383	SLV 15	-795576	-962923	0.078	Si
207	11.15	5.4	7.6	5.4	677552	SLV 1	740128	963356	0.079	-676465	SLV 15	-992599	-1384634	0.086	Si
216	12	5.4	7.6	5.4	697482	SLV 1	754344	963427	0.08	-773100	SLV 15	-1083011	-1485363	0.088	Si
234	13.7	5.4	7.6	5.4	735882	SLV 1	759258	963546	0.08	-969626	SLV 15	-1138972	-1686702	0.092	Si
250	15.21	5.4	7.6	5.4	759258	SLV 3	759258	963633	0.08	-1138972	SLV 13	-1138972	-1865528	0.096	Si
252	15.21	5.4	7.6	5.4	772289	SLV 3	763353	963633	0.08	-1170445	SLV 13	-1160679	-1865528	0.096	Si
270	15.21	5.4	7.6	5.4	806514	SLV 3	780809	963633	0.08	-1375368	SLV 13	-1253221	-1865528	0.096	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	1000713	SLD 13	948680	1414576	0.086						Si
18	7.6	5.4	11.4	5.4	905442	SLD 13	904874	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	894598	SLD 13	894598	1414576	0.086						Si
36	7.6	5.4	11.4	5.4	807071	SLD 13	894598	1414576	0.086						Si
54	7.6	5.4	10.9	5.4	705626	SLD 13	867867	1354960	0.085						Si
72	7.6	5.4	9.69	5.4	601183	SLD 13	768308	1210990	0.083						Si
81	7.6	5.4	7.6	5.4	547914	SLD 13	717380	962923	0.078						Si
99	7.6	5.4	7.6	5.4	463623	SLD 9	613278	962923	0.078						Si
117	7.6	5.4	7.6	5.4	401619	SLD 5	510974	962923	0.078						Si
135	7.6	5.4	7.6	5.4	376137	SLD 1	436305	962923	0.078	182027	SLD 15	-5526	-962923	0.078	Si
153	7.6	5.4	7.6	5.4	361300	SLD 1	384076	962923	0.078	67024	SLD 15	-126175	-962923	0.078	Si
171	7.6	5.4	7.6	5.4	343683	SLD 1	370685	962923	0.078	-51486	SLD 15	-250353	-962923	0.078	Si
189	7.6	5.4	7.6	5.4	323268	SLD 1	354789	962923	0.078	-173482	SLD 15	-378145	-962923	0.078	Si
207	11.15	5.4	7.6	5.4	300128	SLD 1	336090	963356	0.079	-299040	SLD 15	-509603	-1384634	0.086	Si
216	12	5.4	7.6	5.4	287563	SLD 1	325695	963427	0.08	-363181	SLD 15	-572407	-1485363	0.088	Si
234	13.7	5.4	7.6	5.4	260473	SLD 1	302866	963546	0.08	-494218	SLD 15	-609841	-1686702	0.092	Si
250	15.21	5.4	7.6	5.4	230127	SLD 3	280322	963633	0.08	-609841	SLD 13	-609841	-1865528	0.096	Si
252	15.21	5.4	7.6	5.4	230750	SLD 3	227029	963633	0.08	-628906	SLD 13	-624355	-1865528	0.096	Si
270	15.21	5.4	7.6	5.4	198309	SLD 3	198309	963633	0.08	-767162	SLD 13	-686233	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.3	0	-3119	SLU 21	-3119	-9759	-68363	0	-9759	1	Si
18	0	7.6	0	-3322	SLU 21	-3322	-8821	-68363	0	-8821	1	Si
20	0.101	7.6	0	-3345	SLU 21	-3345	-8821	-68363	-11671	-11671	1	Si
36	0.101	7.6	0	-3525	SLU 21	-3525	-8821	-68363	-11671	-11671	1	Si
54	0.101	7.6	0	-3755	SLU 30	-3755	-8821	-68363	-11671	-11671	1	Si
72	0.101	7.6	0	-3992	SLU 30	-3992	-8821	-68363	-11671	-11671	1	Si
81	0.101	7.6	0	-4111	SLU 30	-4111	-8821	-68363	-11671	-11671	1	Si
99	0.112	7.6	0	-4347	SLU 30	-4347	-8821	-68363	-12968	-12968	1	Si
117	0.112	7.6	0	-4584	SLU 30	-4584	-8821	-68363	-12968	-12968	1	Si
135	0.112	7.6	0	-4821	SLU 30	-4821	-8821	-68363	-12968	-12968	1	Si
153	0.112	7.6	0	-5057	SLU 30	-5057	-8821	-68363	-12968	-12968	1	Si
171	0.112	7.6	0	-5315	SLU 36	-5315	-8821	-68363	-12968	-12968	1	Si
189	0.115	7.6	0	-5592	SLU 36	-5592	-8821	-68363	-13338	-13338	1	Si
207	0.115	7.6	0	-5869	SLU 36	-5869	-8821	-68363	-13338	-13338	1	Si
216	0.115	7.6	0	-6008	SLU 36	-6008	-8821	-68363	-13338	-13338	1	Si
234	0.115	7.6	0	-6285	SLU 36	-6285	-8821	-68363	-13338	-13338	1	Si
250	0.115	7.6	0	-6531	SLU 36	-6531	-8821	-68363	-13338	-13338	1	Si
252	0	7.6	0	-6562	SLU 36	-6562	-8821	-68363	0	-8821	1	Si
261	0	7.6	0	-6701	SLU 36	-6701	-8821	-68363	0	-8821	1	Si
270	0	11.15	0	-6839	SLU 36	-6839	-10022	-68363	0	-10022	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4580	SLV 3	6346	8821	68363	0	8821	1	Si
0	0	10.3	0	-9000	SLV 13	-10765	-9759	-68363	0	-9759	1	Si
18	0	7.6	0	4406	SLV 3	6171	8821	68363	0	8821	1	Si
18	0	7.6	0	-9174	SLV 13	-10940	-8821	-68363	0	-8821	1	Si
20	0.101	7.6	0	4386	SLV 3	6152	8821	68363	11671	11671	1	Si
20	0.101	7.6	0	-9194	SLV 13	-10959	-8821	-68363	-11671	-11671	1	Si
36	0.101	7.6	0	4231	SLV 3	5996	8821	68363	11671	11671	1	Si
36	0.101	7.6	0	-9349	SLV 13	-11114	-8821	-68363	-11671	-11671	1	Si
54	0.101	7.6	0	4056	SLV 3	5822	8821	68363	11671	11671	1	Si
54	0.101	7.6	0	-9524	SLV 13	-11289	-8821	-68363	-11671	-11671	1	Si
72	0.101	7.6	0	3882	SLV 3	5647	8821	68363	11671	11671	1	Si
72	0.101	7.6	0	-9698	SLV 13	-11464	-8821	-68363	-11671	-11671	1	Si
81	0.101	7.6	0	3794	SLV 3	5560	8821	68363	11671	11671	1	Si
81	0.101	7.6	0	-9786	SLV 13	-11551	-8821	-68363	-11671	-11671	1	Si
99	0.112	7.6	0	3620	SLV 3	5385	8821	68363	12968	12968	1	Si
99	0.112	7.6	0	-9960	SLV 13	-11726	-8821	-68363	-12968	-12968	1	Si
117	0.112	7.6	0	3445	SLV 3	5211	8821	68363	12968	12968	1	Si
117	0.112	7.6	0	-10135	SLV 13	-11900	-8821	-68363	-12968	-12968	1	Si
135	0.112	7.6	0	3271	SLV 3	5036	8821	68363	12968	12968	1	Si
135	0.112	7.6	0	-10309	SLV 13	-12075	-8821	-68363	-12968	-12968	1	Si
153	0.112	7.6	0	3096	SLV 3	4861	8821	68363	12968	12968	1	Si
153	0.112	7.6	0	-10484	SLV 13	-12249	-8821	-68363	-12968	-12968	1	Si
171	0.112	7.6	0	2921	SLV 3	4687	8821	68363	12968	12968	1	Si
171	0.112	7.6	0	-10659	SLV 13	-12424	-8821	-68363	-12968	-12968	1	Si
189	0.115	7.6	0	2747	SLV 3	4512	8821	68363	13338	13338	1	Si
189	0.115	7.6	0	-10833	SLV 13	-12599	-8821	-68363	-13338	-13338	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
207	0.115	7.6	0	2572	SLV 3	4338	8821	68363	13338	13338	1	Si
207	0.115	7.6	0	-11008	SLV 13	-12773	-8821	-68363	-13338	-13338	1	Si
216	0.115	7.6	0	2485	SLV 3	4250	8821	68363	13338	13338	1	Si
216	0.115	7.6	0	-11095	SLV 13	-12860	-8821	-68363	-13338	-13338	1	Si
234	0.115	7.6	0	2310	SLV 3	4076	8821	68363	13338	13338	1	Si
234	0.115	7.6	0	-11270	SLV 13	-13035	-8821	-68363	-13338	-13338	1	Si
250	0.115	7.6	0	2155	SLV 3	3920	8821	68363	13338	13338	1	Si
250	0.115	7.6	0	-11425	SLV 13	-13190	-8821	-68363	-13338	-13338	1	Si
252	0	7.6	0	2136	SLV 3	3901	8821	68363	0	8821	1	Si
252	0	7.6	0	-11444	SLV 13	-13210	-8821	-68363	0	-8821	1	Si
261	0	7.6	0	2048	SLV 3	3814	8821	68363	0	8821	1	Si
261	0	7.6	0	-11532	SLV 13	-13297	-8821	-68363	0	-8821	1	Si
270	0	7.6	0	1961	SLV 3	3726	8821	68363	0	8821	1	Si
270	0	11.15	0	-11619	SLV 13	-13384	-10022	-68363	0	-10022	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.3	0	794	SLD 3	794	9759	68363	0	9759	1	Si
0	0	10.3	0	-5214	SLD 13	-5214	-9759	-68363	0	-9759	1	Si
18	0	7.6	0	620	SLD 3	620	8821	68363	0	8821	1	Si
18	0	7.6	0	-5389	SLD 13	-5389	-8821	-68363	0	-8821	1	Si
20	0.101	7.6	0	600	SLD 3	600	8821	68363	11671	11671	1	Si
20	0.101	7.6	0	-5408	SLD 13	-5408	-8821	-68363	-11671	-11671	1	Si
36	0.101	7.6	0	445	SLD 3	445	8821	68363	11671	11671	1	Si
36	0.101	7.6	0	-5563	SLD 13	-5563	-8821	-68363	-11671	-11671	1	Si
54	0.101	7.6	0	271	SLD 3	271	8821	68363	11671	11671	1	Si
54	0.101	7.6	0	-5738	SLD 13	-5738	-8821	-68363	-11671	-11671	1	Si
72	0.101	7.6	0	96	SLD 3	96	8821	68363	11671	11671	1	Si
72	0.101	7.6	0	-5913	SLD 13	-5913	-8821	-68363	-11671	-11671	1	Si
81	0.101	7.6	0	9	SLD 3	9	8821	68363	11671	11671	1	Si
81	0.101	7.6	0	-6000	SLD 13	-6000	-8821	-68363	-11671	-11671	1	Si
99	0.112	7.6	0	-6175	SLD 13	-6175	-8821	-68363	-12968	-12968	1	Si
117	0.112	7.6	0	-6349	SLD 13	-6349	-8821	-68363	-12968	-12968	1	Si
135	0.112	7.6	0	-6524	SLD 13	-6524	-8821	-68363	-12968	-12968	1	Si
153	0.112	7.6	0	-6698	SLD 13	-6698	-8821	-68363	-12968	-12968	1	Si
171	0.112	7.6	0	-6873	SLD 13	-6873	-8821	-68363	-12968	-12968	1	Si
189	0.115	7.6	0	-7048	SLD 13	-7048	-8821	-68363	-13338	-13338	1	Si
207	0.115	7.6	0	-7222	SLD 13	-7222	-8821	-68363	-13338	-13338	1	Si
216	0.115	7.6	0	-7309	SLD 13	-7309	-8821	-68363	-13338	-13338	1	Si
234	0.115	7.6	0	-7484	SLD 13	-7484	-8821	-68363	-13338	-13338	1	Si
250	0.115	7.6	0	-7639	SLD 13	-7639	-8821	-68363	-13338	-13338	1	Si
252	0	7.6	0	-7659	SLD 13	-7659	-8821	-68363	0	-8821	1	Si
261	0	7.6	0	-7746	SLD 13	-7746	-8821	-68363	0	-8821	1	Si
270	0	11.15	0	-7833	SLD 13	-7833	-10022	-68363	0	-10022	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	696266	3	673007	26	124.5	1005.5	1837	665807	2	643640	24.9	93.4	0	+∞	Si
18	652951	3	652651	25.2	124.5	975.1	1837	624458	2	624169	24.1	93.4	0	+∞	Si
20	647876	3	647876	25	124.5	967.9	1837	619602	2	619602	23.9	93.4	0	+∞	Si
36	606493	3	647876	25	124.5	967.9	1837	579966	2	619602	23.9	93.4	0	+∞	Si
54	556892	3	635367	24.9	124.5	991.3	1837	532331	2	607631	23.9	93.4	0	+∞	Si
72	504149	3	587699	24.1	124.5	1027.3	1837	481554	2	561929	23	93.4	0	+∞	Si
81	476599	3	562687	14.7	124.5	219.9	1837	454986	2	537899	24.1	93.4	0	+∞	Si
99	419141	3	510305	13.3	124.5	199.5	1837	399494	2	487483	21.9	93.4	0	+∞	Si
117	358540	3	454780	11.9	124.5	177.8	1837	340860	2	433924	19.5	93.4	0	+∞	Si
135	294797	3	396112	10.3	124.5	154.8	1837	279082	2	377222	16.9	93.4	0	+∞	Si
153	227911	3	334302	8.7	124.5	130.7	1837	214162	2	317378	14.2	93.4	0	+∞	Si
171	157882	3	269348	7	124.5	105.3	1837	146099	2	254390	11.4	93.4	0	+∞	Si
189	84710	3	201252	5.2	124.5	78.7	1837	74893	2	188260	8.4	93.4	0	+∞	Si
207	8395	3	130013	3.2	124.5	49.9	1837	544	2	118987	5.1	93.4	0	+∞	Si
207	-7962	1	-134962	5.3	124.5	206	1837	-7962	1	-130401	5.1	93.4	0	+∞	Si
216	-46091	6	-176243	6.7	124.5	250.7	1837	-44971	1	-169948	6.4	93.4	0	+∞	Si
234	-125515	6	-199239	7.2	124.5	249.6	1837	-121347	1	-191942	7	93.4	0	+∞	Si
250	-199239	6	-199239	7	124.5	225.8	1837	-191942	1	-191942	6.7	93.4	0	+∞	Si
252	-208568	6	-208155	7.3	124.5	235.9	1837	-200865	1	-200465	7	93.4	0	+∞	Si
270	-296301	7	-246164	8.6	124.5	279	1837	-284427	2	-236798	8.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
20	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.006	2	9999	Si
36	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
54	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.015	2	0.014	2	9999	Si
72	0.008	0.007	0.007	0.006	0.007	0.007	0.007	0.006	0.007	0.007	0.017	2	0.016	2	9999	Si
81	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.018	2	0.017	2	9999	Si
99	0.008	0.007	0.008	0.007	0.008	0.007	0.007	0.007	0.008	0.007	0.019	2	0.017	2	9999	Si
108	0.008	0.007	0.008	0.007	0.008	0.007	0.007	0.007	0.008	0.007	0.019	2	0.017	2	9999	Si
117	0.008	0.007	0.008	0.007	0.008	0.007	0.007	0.007	0.008	0.007	0.018	2	0.017	2	9999	Si
135	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.017	2	0.016	2	9999	Si
153	0.007	0.006	0.006	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.016	2	0.014	2	9999	Si
171	0.006	0.005	0.006	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.013	2	0.012	2	9999	Si
189	0.005	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.011	2	0.01	2	9999	Si
207	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.008	2	9999	Si
216	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
234	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
250	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
252	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-2404	-8555	-11671	SLV 13	0.39	865	1.083	619602	621596	1414576	SLV 13	0.46	1328	1.291	Si
36	-2559	-8555	-11671	SLV 13	0.39	830	1.065	619602	621596	1414576	SLV 13	0.46	1328	1.291	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
54	-2734	-8555	-11671	SLV 13	0.38	791	1.044	607631	588238	1354960	SLV 13	0.46	1305	1.282	Si
72	-2908	-8555	-11671	SLV 13	0.37	754	1.024	561929	466525	1210990	SLV 13	0.5	1662	1.416	Si
81	-2996	-8555	-11671	SLV 13	0.37	736	1.014	537899	405736	962923	SLV 13	0.38	797	1.047	Si
99	-3170	-8555	-12968	SLV 13	0.41	992	1.146	487483	284420	962923	SLV 13	0.57	2474	1.666	Si
117	-3345	-8555	-12968	SLV 13	0.41	948	1.125	239459	288818	962923	SLV 1	0.57	2474	1.666	Si
135	-3519	-8555	-12968	SLV 13	0.4	906	1.104	172605	402528	962923	SLV 1	0.57	2474	1.666	Si
153	-3694	-8555	-12968	SLV 13	0.39	866	1.084	102609	517001	962923	SLV 1	0.57	2474	1.666	Si
171	-3869	-8555	-12968	SLV 13	0.39	827	1.063	29471	632350	962923	SLV 1	0.53	1948	1.511	Si
189	-4043	-8555	-13338	SLV 13	0.39	871	1.086	-46811	-748765	-962923	SLV 15	0.44	1181	1.231	Si
207	-4218	-8555	-13338	SLV 13	0.39	832	1.066	-126236	866364	963356	SLV 1	0.45	1271	1.268	Si
216	-4305	-8555	-13338	SLV 13	0.38	812	1.055	-157582	911926	963427	SLV 1	0.44	1196	1.237	Si
234	-4480	-8555	-13338	SLV 13	0.38	774	1.035	-189857	949115	963546	SLV 3	0.44	1160	1.222	Si
250	-4635	-8555	-13338	SLV 13	0.37	742	1.017	-189857	949115	963633	SLV 3	0.44	1161	1.222	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-2404	-3004	-11671	SLD 13	0.41	985	2.874	619602	274996	1414576	SLD 13	0.39	840	2.693	Si
36	-2559	-3004	-11671	SLD 13	0.41	945	2.826	619602	274996	1414576	SLD 13	0.39	840	2.693	Si
54	-2734	-3004	-11671	SLD 13	0.4	901	2.771	607631	260236	1354960	SLD 13	0.39	826	2.674	Si
72	-2908	-3004	-11671	SLD 13	0.39	858	2.716	561929	206379	1210990	SLD 13	0.42	1039	2.938	Si
81	-2996	-3004	-11671	SLD 13	0.39	838	2.69	537899	179480	962923	SLD 13	0.32	519	2.21	Si
99	-3170	-3004	-12968	SLD 13	0.44	1145	3.057	487483	125795	962923	SLD 13	0.5	1695	3.591	Si
117	-3345	-3004	-12968	SLD 13	0.43	1091	2.997	239459	127813	962923	SLD 1	0.6	2474	4.193	Si
135	-3519	-3004	-12968	SLD 13	0.42	1039	2.938	172605	178131	962923	SLD 1	0.58	2474	4.193	Si
153	-3694	-3004	-12968	SLD 13	0.41	987	2.877	102609	228785	962923	SLD 1	0.5	1671	3.57	Si
171	-3869	-3004	-12968	SLD 13	0.41	941	2.821	29471	279824	962923	SLD 1	0.45	1216	3.134	Si
189	-4043	-3004	-13338	SLD 13	0.41	993	2.884	-46811	-331334	-962923	SLD 15	0.37	754	2.576	Si
207	-4218	-3004	-13338	SLD 13	0.41	947	2.828	-126236	383367	963356	SLD 1	0.38	806	2.647	Si
216	-4305	-3004	-13338	SLD 13	0.4	925	2.801	-167126	405281	963427	SLD 1	0.38	770	2.598	Si
234	-4480	-3004	-13338	SLD 13	0.4	882	2.747	-189857	409456	963546	SLD 1	0.38	788	2.623	Si
250	-4635	-3004	-13338	SLD 13	0.39	844	2.698	-189857	419984	963633	SLD 3	0.37	741	2.558	Si

Campata 5 tra i fili 18 - 19, sezione R 40x70, asta 1217

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	162597	SLU 21	126747	963633	0.08						Si
19	15.21	5.4	7.6	5.4	91895	SLU 21	91792	963633	0.08						Si
20	15.21	5.4	7.6	5.4	88686	SLU 21	88686	963633	0.08	33661	SLU 15	-41603	-1865528	0.096	Si
38	13.48	5.4	7.6	5.4	17056	SLU 21	88686	963532	0.08	-8933	SLU 15	-112965	-1660621	0.091	Si
57	11.67	5.4	7.6	5.4	-46723	SLU 1	56225	963401	0.08	-72660	SLU 36	-199570	-1446200	0.087	Si
77	7.6	5.4	7.6	5.4						-153386	SLU 30	-292579	-962923	0.078	Si
86	7.6	5.4	7.6	5.4						-198038	SLU 30	-340895	-962923	0.078	Si
105	7.6	5.4	7.6	5.4						-290967	SLU 30	-441150	-962923	0.078	Si
125	7.6	5.4	7.6	5.4						-388726	SLU 30	-546236	-962923	0.078	Si
144	7.6	5.4	7.6	5.4						-491316	SLU 30	-656153	-962923	0.078	Si
163	7.6	5.4	7.6	5.4						-598737	SLU 30	-770901	-962923	0.078	Si
172	7.6	5.4	7.6	5.4						-654259	SLU 30	-830086	-962923	0.078	Si
182	9.47	5.4	7.6	5.4						-710988	SLU 30	-890479	-1184872	0.082	Si
201	12.1	5.4	7.6	5.4						-828071	SLU 30	-1014889	-1497515	0.088	Si
220	13.91	5.4	6.34	5.4						-949984	SLU 30	-1144129	-1712065	0.094	Si
230	14.49	5.4	5.05	5.4						-1012753	SLU 30	-1210561	-1780909	0.098	Si
249	15.21	5.4	5.13	5.4						-1141912	SLU 30	-1270025	-1865868	0.1	Si
267	15.21	5.4	7.6	5.4						-1270025	SLU 30	-1270025	-1865528	0.096	Si
268	15.21	5.4	7.6	5.4						-1275903	SLU 30	-1275823	-1865528	0.096	Si
287	15.21	5.4	7.6	5.4						-1414725	SLU 30	-1341084	-1865528	0.096	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	265230	SLV 15	230698	963633	0.08	-46752	SLV 1	-46752	-1865528	0.096	Si
19	15.21	5.4	7.6	5.4	189526	SLV 11	189526	963633	0.08	-69737	SLV 5	-69486	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	186410	SLV 11	186410	963633	0.08	-71144	SLV 5	-124115	-1865528	0.096	Si
38	13.48	5.4	7.6	5.4	117923	SLV 11	186410	963532	0.08	-103949	SLV 5	-184282	-1660621	0.091	Si
57	11.67	5.4	7.6	5.4	50560	SLV 3	154879	963401	0.08	-149527	SLV 13	-263442	-1446200	0.087	Si
77	7.6	5.4	7.6	5.4	1764	SLV 3	83692	962923	0.078	-220801	SLV 13	-353412	-962923	0.078	Si
86	7.6	5.4	7.6	5.4	-19766	SLV 3	50560	962923	0.078	-261978	SLV 13	-401278	-962923	0.078	Si
105	7.6	5.4	7.6	5.4	-60687	SLV 3	2537	962923	0.078	-351816	SLV 13	-501794	-962923	0.078	Si
125	7.6	5.4	7.6	5.4						-449061	SLV 13	-608408	-962923	0.078	Si
144	7.6	5.4	7.6	5.4						-552606	SLV 13	-722970	-962923	0.078	Si
163	7.6	5.4	7.6	5.4						-663080	SLV 15	-843076	-962923	0.078	Si
172	7.6	5.4	7.6	5.4						-720987	SLV 15	-904881	-962923	0.078	Si
182	9.47	5.4	7.6	5.4						-780371	SLV 15	-967736	-1184872	0.082	Si
201	12.1	5.4	7.6	5.4						-902783	SLV 15	-1096439	-1497515	0.088	Si
220	13.91	5.4	6.34	5.4						-1029434	SLV 15	-1228986	-1712065	0.094	Si
230	14.49	5.4	5.05	5.4						-1094243	SLV 15	-1296670	-1780909	0.098	Si
249	15.21	5.4	5.13	5.4						-1226727	SLV 15	-1356999	-1865868	0.1	Si
267	15.21	5.4	7.6	5.4						-1356999	SLV 15	-1356999	-1865528	0.096	Si
268	15.21	5.4	7.6	5.4						-1362963	SLV 15	-1362900	-1865528	0.096	Si
287	15.21	5.4	7.6	5.4						-1502895	SLV 15	-1429321	-1865528	0.096	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	177485	SLD 15	148384	963633	0.08						Si
19	15.21	5.4	7.6	5.4	117044	SLD 11	117044	963633	0.08						Si
20	15.21	5.4	7.6	5.4	114405	SLD 11	114405	963633	0.08	861	SLD 5	-67033	-1865528	0.096	Si
38	13.48	5.4	7.6	5.4	55900	SLD 11	114405	963532	0.08	-41926	SLD 5	-125929	-1660621	0.091	Si
57	11.67	5.4	7.6	5.4	-5589	SLD 3	87711	963401	0.08	-93379	SLD 13	-195615	-1446200	0.087	Si
77	7.6	5.4	7.6	5.4	-60441	SLD 3	25807	962923	0.078	-158596	SLD 13	-271985	-962923	0.078	Si
86	7.6	5.4	7.6	5.4						-194365	SLD 13	-312169	-962923	0.078	Si
105	7.6	5.4	7.6	5.4						-270645	SLD 13	-396117	-962923	0.078	Si
125	7.6	5.4	7.6	5.4						-352136	SLD 13	-484729	-962923	0.078	Si
144	7.6	5.4	7.6	5.4						-438373	SLD 13	-578833	-962923	0.078	Si
163	7.6	5.4	7.6	5.4						-529647	SLD 15	-677369	-962923	0.078	Si
172	7.6	5.4	7.6	5.4						-577207	SLD 15	-728155	-962923	0.078	Si
182	9.47	5.4	7.6	5.4						-625914	SLD 15	-779901	-1184872	0.082	Si
201	12.1	5.4	7.6	5.4						-726428	SLD 15	-886206	-1497515	0.088	Si
220	13.91	5.4	6.34	5.4						-830800	SLD 15	-996196	-1712065	0.094	Si
230	14.49	5.4	5.05	5.4						-884386	SLD 15	-1052559	-1780909	0.098	Si
249	15.21	5.4	5.13	5.4						-994315	SLD 15	-1102911	-1865868	0.1	Si
267	15.21	5.4	7.6	5.4						-1102911	SLD 15	-1102911	-1865528	0.096	Si
268	15.21	5.4	7.6	5.4						-1107888	SLD 15	-1107829	-1865528	0.096	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
287	15.21	5.4	7.6	5.4						-1225083	SLD 15	-1163185	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-3588	SLU 30	-3588	-8821	-68363	0	-8821	1	Si
19	0	7.6	0	-3840	SLU 30	-3840	-8821	-68363	0	-8821	1	Si
20	0.061	7.6	0	-3851	SLU 30	-3851	-8821	-68363	-7073	-8821	1	Si
38	0.061	7.6	0	-4092	SLU 30	-4092	-8821	-68363	-7073	-8821	1	Si
57	0.061	7.6	0	-4344	SLU 30	-4344	-8821	-68363	-7073	-8821	1	Si
77	0.061	7.6	0	-4596	SLU 30	-4596	-8821	-68363	-7073	-8821	1	Si
86	0.061	7.6	0	-4722	SLU 30	-4722	-8821	-68363	-7073	-8821	1	Si
105	0.061	7.6	0	-4974	SLU 30	-4974	-8821	-68363	-7073	-8821	1	Si
125	0.061	9.92	0	-5227	SLU 30	-5227	-9639	-68363	-7073	-9639	1	Si
144	0.061	7.6	0	-5479	SLU 30	-5479	-8821	-68363	-7073	-8821	1	Si
163	0.061	7.6	0	-5731	SLU 30	-5731	-8821	-68363	-7073	-8821	1	Si
182	0.061	7.6	0	-5983	SLU 30	-5983	-8821	-68363	-7073	-8821	1	Si
201	0.061	7.6	0	-6235	SLU 30	-6235	-8821	-68363	-7073	-8821	1	Si
220	0.061	7.6	0	-6500	SLU 36	-6500	-8821	-68363	-7073	-8821	1	Si
230	0.061	7.6	0	-6648	SLU 36	-6648	-8821	-68363	-7073	-8821	1	Si
240	0.061	7.6	0	-6795	SLU 36	-6795	-8821	-68363	-7073	-8821	1	Si
249	0.061	9.47	0	-6943	SLU 36	-6943	-9491	-68363	-7073	-9491	1	Si
267	0.061	12.1	0	-7225	SLU 36	-7225	-10299	-68363	-7073	-10299	1	Si
268	0	12.1	0	-7238	SLU 36	-7238	-10299	-68363	0	-10299	1	Si
287	0	13.91	0	-7533	SLU 36	-7533	-10788	-68363	0	-10788	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.77	0	-326	SLV 1	235	9905	68363	0	9905	1	Si
0	0	7.6	0	-4637	SLV 15	-5198	-8821	-68363	0	-8821	1	Si
19	0	7.6	0	-512	SLV 1	49	8821	68363	0	8821	1	Si
19	0	7.6	0	-4823	SLV 15	-5384	-8821	-68363	0	-8821	1	Si
20	0.061	7.6	0	-520	SLV 1	41	8821	68363	7073	8821	1	Si
20	0.061	7.6	0	-4831	SLV 15	-5392	-8821	-68363	-7073	-8821	1	Si
38	0.061	7.6	0	-5009	SLV 15	-5570	-8821	-68363	-7073	-8821	1	Si
57	0.061	7.6	0	-5195	SLV 15	-5756	-8821	-68363	-7073	-8821	1	Si
77	0.061	7.6	0	-5381	SLV 15	-5942	-8821	-68363	-7073	-8821	1	Si
86	0.061	7.6	0	-5474	SLV 15	-6035	-8821	-68363	-7073	-8821	1	Si
105	0.061	7.6	0	-5660	SLV 15	-6220	-8821	-68363	-7073	-8821	1	Si
125	0.061	9.92	0	-5846	SLV 15	-6406	-9639	-68363	-7073	-9639	1	Si
144	0.061	7.6	0	-6032	SLV 15	-6592	-8821	-68363	-7073	-8821	1	Si
163	0.061	7.6	0	-6218	SLV 15	-6778	-8821	-68363	-7073	-8821	1	Si
182	0.061	7.6	0	-6404	SLV 15	-6964	-8821	-68363	-7073	-8821	1	Si
201	0.061	7.6	0	-6590	SLV 15	-7150	-8821	-68363	-7073	-8821	1	Si
220	0.061	7.6	0	-6775	SLV 15	-7336	-8821	-68363	-7073	-8821	1	Si
230	0.061	7.6	0	-6868	SLV 15	-7429	-8821	-68363	-7073	-8821	1	Si
240	0.061	7.6	0	-6961	SLV 15	-7522	-8821	-68363	-7073	-8821	1	Si
249	0.061	9.47	0	-7054	SLV 15	-7615	-9491	-68363	-7073	-9491	1	Si
267	0.061	12.1	0	-7232	SLV 15	-7793	-10299	-68363	-7073	-10299	1	Si
268	0	12.1	0	-7240	SLV 15	-7801	-10299	-68363	0	-10299	1	Si
287	0	13.91	0	-7426	SLV 15	-7987	-10788	-68363	0	-10788	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-3433	SLD 15	-3433	-8821	-68363	0	-8821	1	Si
19	0	7.6	0	-3619	SLD 15	-3619	-8821	-68363	0	-8821	1	Si
20	0.061	7.6	0	-3627	SLD 15	-3627	-8821	-68363	-7073	-8821	1	Si
38	0.061	7.6	0	-3804	SLD 15	-3804	-8821	-68363	-7073	-8821	1	Si
57	0.061	7.6	0	-3990	SLD 15	-3990	-8821	-68363	-7073	-8821	1	Si
77	0.061	7.6	0	-4176	SLD 15	-4176	-8821	-68363	-7073	-8821	1	Si
86	0.061	7.6	0	-4269	SLD 15	-4269	-8821	-68363	-7073	-8821	1	Si
105	0.061	7.6	0	-4455	SLD 15	-4455	-8821	-68363	-7073	-8821	1	Si
125	0.061	9.92	0	-4641	SLD 15	-4641	-9639	-68363	-7073	-9639	1	Si
144	0.061	7.6	0	-4827	SLD 15	-4827	-8821	-68363	-7073	-8821	1	Si
163	0.061	7.6	0	-5013	SLD 15	-5013	-8821	-68363	-7073	-8821	1	Si
182	0.061	7.6	0	-5199	SLD 15	-5199	-8821	-68363	-7073	-8821	1	Si
201	0.061	7.6	0	-5385	SLD 15	-5385	-8821	-68363	-7073	-8821	1	Si
220	0.061	7.6	0	-5571	SLD 15	-5571	-8821	-68363	-7073	-8821	1	Si
230	0.061	7.6	0	-5664	SLD 15	-5664	-8821	-68363	-7073	-8821	1	Si
240	0.061	7.6	0	-5757	SLD 15	-5757	-8821	-68363	-7073	-8821	1	Si
249	0.061	9.47	0	-5850	SLD 15	-5850	-9491	-68363	-7073	-9491	1	Si
267	0.061	12.1	0	-6027	SLD 15	-6027	-10299	-68363	-7073	-10299	1	Si
268	0	12.1	0	-6036	SLD 15	-6036	-10299	-68363	0	-10299	1	Si
287	0	13.91	0	-6221	SLD 15	-6221	-10788	-68363	0	-10788	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	120014	3	93115	2.2	124.5	35	1837	109239	2	84388	3.4	93.4	0	+∞	Si
19	66745	3	66663	1.6	124.5	25.1	1837	59895	2	59816	2.4	93.4	0	+∞	Si
20	64312	3	64312	1.5	124.5	24.2	1837	57633	2	57633	2.3	93.4	0	+∞	Si
38	9912	3	64312	1.5	124.5	24.4	1837	6987	2	57633	2.4	93.4	0	+∞	Si
38	-3088	6	-84150	3.1	124.5	107.1	1837								Si
57	-53788	9	-148902	5.7	124.5	217.6	1837	-49484	2	-141949	5.4	93.4	0	+∞	Si
77	-114443	3	-218266	5.7	124.5	85.3	1837	-109518	2	-207388	9.3	93.4	0	+∞	Si
86	-147759	3	-254284	6.6	124.5	99.4	1837	-140872	2	-241443	10.8	93.4	0	+∞	Si
105	-217064	3	-328993	8.6	124.5	128.6	1837	-206251	2	-312228	14	93.4	0	+∞	Si
125	-289932	3	-407266	10.6	124.5	159.2	1837	-275194	2	-386575	17.3	93.4	0	+∞	Si
144	-366364	3	-489102	12.7	124.5	191.2	1837	-347701	2	-464486	20.8	93.4	0	+∞	Si
163	-446359	3	-574502	15	124.5	224.6	1837	-423771	2	-545961	24.5	93.4	0	+∞	Si
182	-529917	3	-663465	27.4	124.5	1185.8	1837	-503404	2	-630999	26.1	93.4	0	+∞	Si
201	-617039	3	-755991	28.6	124.5	1066.6	1837	-586601	2	-719601	27.2	93.4	0	+∞	Si
220	-707724	3	-852081	31.3	124.5	1053.6	1837	-673361	2	-811765	29.8	93.4	0	+∞	Si
230	-754403	3	-901463	33.4	124.5	1074.1	1837	-718078	2	-859184	31.8	93.4	0	+∞	Si
249	-850433	3	-945658	34.4	124.5	1075.8	1837	-810183	2	-901654	32.8	93.4	0	+∞	Si
267	-945658	3	-945658	33.1	124.5	1071.8	1837	-901654	2	-901654	31.5	93.4	0	+∞	Si
268	-950027	3	-949968	33.2	124.5	1076.7	1837	-905852	2	-905796	31.7	93.4	0	+∞	Si
287	-1053185	3	-998469	34.9	124.5	1131.6	1837	-1005084	2	-952417	33.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.004	1	-0.004	1	9999	Si
20	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
38	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si
57	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
77	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.015	1	-0.016	1	9999	Si
86	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.017	1	-0.018	1	9999	Si
105	-0.008	-0.009	-0.008	-0.009	-0.008	-0.009	-0.008	-0.008	-0.008	-0.009	-0.02	1	-0.021	1	9999	Si
125	-0.009	-0.011	-0.009	-0.01	-0.009	-0.01	-0.009	-0.01	-0.009	-0.01	-0.023	1	-0.024	1	9999	Si
144	-0.01	-0.012	-0.01	-0.011	-0.01	-0.011	-0.01	-0.011	-0.01	-0.011	-0.025	1	-0.027	1	9999	Si
163	-0.011	-0.012	-0.01	-0.011	-0.011	-0.012	-0.01	-0.011	-0.011	-0.012	-0.026	1	-0.028	1	9999	Si
172	-0.011	-0.012	-0.01	-0.012	-0.011	-0.012	-0.01	-0.011	-0.011	-0.012	-0.026	1	-0.028	1	9999	Si
182	-0.011	-0.012	-0.01	-0.012	-0.011	-0.012	-0.01	-0.011	-0.011	-0.012	-0.026	1	-0.028	1	9999	Si
201	-0.011	-0.012	-0.01	-0.011	-0.011	-0.011	-0.01	-0.011	-0.011	-0.011	-0.025	1	-0.027	1	9999	Si
220	-0.01	-0.011	-0.009	-0.01	-0.01	-0.01	-0.009	-0.01	-0.01	-0.01	-0.023	1	-0.024	1	9999	Si
230	-0.009	-0.01	-0.008	-0.009	-0.009	-0.01	-0.008	-0.009	-0.009	-0.009	-0.021	1	-0.022	1	9999	Si
249	-0.007	-0.008	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.016	1	-0.017	1	9999	Si
267	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
268	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-2676	-2716	-8821	SLV 15	0.57	2474	1.666	57633	128777	963633	SLV 11	0.57	2474	1.666	Si
38	-2853	-2716	-8821	SLV 15	0.57	2474	1.666	57633	128777	963532	SLV 11	0.57	2474	1.666	Si
57	-3039	-2716	-8821	SLV 15	0.57	2474	1.666	34755	120124	963401	SLV 11	0.57	2474	1.666	Si
77	-3225	-2716	-8821	SLV 15	0.57	2474	1.666	-207388	-146025	-962923	SLV 13	0.57	2474	1.666	Si
86	-3318	-2716	-8821	SLV 15	0.57	2474	1.666	-241443	-159835	-962923	SLV 13	0.57	2474	1.666	Si
105	-3504	-2716	-8821	SLV 15	0.57	2474	1.666	-312228	-189567	-962923	SLV 13	0.57	2474	1.666	Si
125	-3690	-2716	-9639	SLV 15	0.57	2474	1.666	-386575	-221833	-962923	SLV 13	0.57	2474	1.666	Si
144	-3876	-2716	-8821	SLV 15	0.57	2474	1.666	-464486	-258484	-962923	SLV 15	0.57	2474	1.666	Si
163	-4062	-2716	-8821	SLV 15	0.57	2474	1.666	-545961	-297115	-962923	SLV 15	0.5	1701	1.429	Si
182	-4248	-2716	-8821	SLV 15	0.57	2474	1.666	-630999	-336737	-1184872	SLV 15	0.57	2474	1.666	Si
201	-4434	-2716	-8821	SLV 15	0.57	2474	1.666	-719601	-376838	-1497515	SLV 15	0.57	2474	1.666	Si
220	-4620	-2716	-8821	SLV 15	0.55	2206	1.59	-811765	-417221	-1712065	SLV 15	0.57	2474	1.666	Si
230	-4713	-2716	-8821	SLV 15	0.54	2078	1.551	-859184	-437486	-1780909	SLV 15	0.57	2474	1.666	Si
249	-4898	-2716	-9491	SLV 15	0.57	2474	1.666	-901654	-455345	-1865868	SLV 15	0.57	2474	1.666	Si
267	-5076	-2716	-10299	SLV 15	0.57	2474	1.666	-901654	-455345	-1865528	SLV 15	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-2676	-951	-8821	SLD 15	0.6	2474	4.193	57633	56772	963633	SLD 11	0.6	2474	4.193	Si
38	-2853	-951	-8821	SLD 15	0.6	2474	4.193	57633	56772	963532	SLD 11	0.6	2474	4.193	Si
57	-3039	-951	-8821	SLD 15	0.6	2474	4.193	34755	52956	963401	SLD 11	0.6	2474	4.193	Si
77	-3225	-951	-8821	SLD 15	0.6	2474	4.193	-207388	-64598	-962923	SLD 13	0.6	2474	4.193	Si
86	-3318	-951	-8821	SLD 15	0.6	2474	4.193	-241443	-70725	-962923	SLD 13	0.6	2474	4.193	Si
105	-3504	-951	-8821	SLD 15	0.6	2474	4.193	-312228	-83890	-962923	SLD 13	0.6	2474	4.193	Si
125	-3690	-951	-9639	SLD 15	0.6	2474	4.193	-386575	-98154	-962923	SLD 13	0.6	2474	4.193	Si
144	-3876	-951	-8821	SLD 15	0.6	2474	4.193	-464486	-114346	-962923	SLD 15	0.57	2474	4.193	Si
163	-4062	-951	-8821	SLD 15	0.6	2474	4.193	-545961	-131408	-962923	SLD 15	0.43	1064	2.967	Si
182	-4248	-951	-8821	SLD 15	0.6	2474	4.193	-630999	-148902	-1184872	SLD 15	0.49	1624	3.528	Si
201	-4434	-951	-8821	SLD 15	0.6	2474	4.193	-719601	-166605	-1497515	SLD 15	0.6	2474	4.193	Si
220	-4620	-951	-8821	SLD 15	0.58	2474	4.193	-811765	-184430	-1712065	SLD 15	0.6	2474	4.193	Si
230	-4713	-951	-8821	SLD 15	0.57	2422	4.157	-859184	-193375	-1780909	SLD 15	0.6	2474	4.193	Si
249	-4898	-951	-9491	SLD 15	0.6	2474	4.193	-901654	-201257	-1865868	SLD 15	0.6	2474	4.193	Si
267	-5076	-951	-10299	SLD 15	0.6	2474	4.193	-901654	-201257	-1865528	SLD 15	0.6	2474	4.193	Si

Campata 6 tra i fili 19 - 20, sezione R 40x70, asta 1218

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-1307154	SLU 30	-1226880	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-1149204	SLU 30	-1149204	-1865528	0.096	Si
41	15.21	5.4	7.6	5.4						-988952	SLU 30	-1149204	-1865528	0.096	Si
61	14.3	5.4	7.6	5.4						-838140	SLU 30	-1053731	-1758158	0.093	Si
82	13.33	5.4	7.6	5.4						-692855	SLU 30	-900609	-1643583	0.091	Si
92	10.92	5.4	7.6	5.4						-622285	SLU 30	-826121	-1357201	0.085	Si
113	9.95	5.4	7.6	5.4						-485289	SLU 30	-681288	-1242432	0.083	Si
133	7.6	5.4	7.6	5.4						-353820	SLU 30	-541982	-962923	0.078	Si
154	7.6	5.4	7.6	5.4						-227877	SLU 30	-408203	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	-67804	SLU 15	60163	962923	0.078	-114705	SLU 21	-279950	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	23138	SLU 18	160780	962923	0.078	-28695	SLU 19	-160541	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	116793	SLU 30	262307	962923	0.078	44830	SLU 1	-63092	-962923	0.078	Si
236	7.6	5.4	7.6	5.4	220631	SLU 30	358308	962923	0.078						Si
246	7.6	5.4	7.6	5.4	270477	SLU 30	404236	962923	0.078						Si
266	7.6	5.4	7.6	5.4	366025	SLU 30	458141	962923	0.078						Si
287	7.6	5.4	7.6	5.4	458141	SLU 30	458141	962923	0.078						Si
307	7.6	5.4	7.6	5.4	540541	SLU 30	500640	962923	0.078						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-1773477	SLV 1	-1671462	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-1571017	SLV 1	-1571017	-1865528	0.096	Si
41	15.21	5.4	7.6	5.4	-9269	SLV 15	2241	963633	0.08	-1362712	SLV 1	-1571017	-1865528	0.096	Si
61	14.3	5.4	7.6	5.4	-340	SLV 15	6137	963583	0.08	-1163768	SLV 1	-1447243	-1758158	0.093	Si
82	13.33	5.4	7.6	5.4	4964	SLV 15	7023	963523	0.08	-969353	SLV 1	-1246476	-1643583	0.091	Si
92	10.92	5.4	7.6	5.4	6367	SLV 15	7023	963336	0.079	-873953	SLV 1	-1147740	-1357201	0.085	Si
113	9.95	5.4	7.6	5.4	7006	SLV 13	7023	963238	0.079	-687103	SLV 3	-953717	-1242432	0.083	Si
133	7.6	5.4	7.6	5.4	5153	SLV 13	7020	962923	0.078	-505912	SLV 3	-764645	-962923	0.078	Si
154	7.6	5.4	7.6	5.4	815	SLV 13	8986	962923	0.078	-330391	SLV 3	-581055	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	-6015	SLV 13	113638	962923	0.078	-160529	SLV 3	-403190	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	61397	SLV 5	279739	962923	0.078	-73063	SLV 11	-230895	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	210649	SLV 1	442549	962923	0.078	-75590	SLV 15	-113544	-962923	0.078	Si
236	7.6	5.4	7.6	5.4	375013	SLV 1	601477	962923	0.078	-101381	SLV 15	-145461	-962923	0.078	Si
246	7.6	5.4	7.6	5.4	455788	SLV 1	679452	962923	0.078	-115928	SLV 15	-162988	-962923	0.078	Si
266	7.6	5.4	7.6	5.4	614394	SLV 1	772712	962923	0.078	-148191	SLV 15	-185586	-962923	0.078	Si
287	7.6	5.4	7.6	5.4	772712	SLV 1	772712	962923	0.078	-185586	SLV 15	-185586	-962923	0.078	Si
307	7.6	5.4	7.6	5.4	919615	SLV 1	847210	962923	0.078	-225186	SLV 15	-204515	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-1289784	SLD 1	-1213627	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-1139233	SLD 1	-1139233	-1865528	0.096	Si
41	15.21	5.4	7.6	5.4						-985347	SLD 1	-1139233	-1865528	0.096	Si
61	14.3	5.4	7.6	5.4						-839387	SLD 1	-1047681	-1758158	0.093	Si
82	13.33	5.4	7.6	5.4						-697703	SLD 1	-899964	-1643583	0.091	Si
92	10.92	5.4	7.6	5.4						-628513	SLD 1	-827687	-1357201	0.085	Si
113	9.95	5.4	7.6	5.4						-493586	SLD 3	-686362	-1242432	0.083	Si
133	7.6	5.4	7.6	5.4						-363435	SLD 3	-549502	-962923	0.078	Si
154	7.6	5.4	7.6	5.4						-238064	SLD 3	-417339	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	-49083	SLD 13	64307	962923	0.078	-117461	SLD 3	-289983	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	23898	SLD 5	177750	962923	0.078	-35564	SLD 11	-167358	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	130797	SLD 1	287456	962923	0.078	4262	SLD 15	-62762	-962923	0.078	Si
236	7.6	5.4	7.6	5.4	242143	SLD 1	393171	962923	0.078	31489	SLD 15	-8517	-962923	0.078	Si
246	7.6	5.4	7.6	5.4	296339	SLD 1	444517	962923	0.078						Si
266	7.6	5.4	7.6	5.4	401725	SLD 1	505472	962923	0.078						Si
287	7.6	5.4	7.6	5.4	505472	SLD 1	505472	962923	0.078						Si
307	7.6	5.4	7.6	5.4	600371	SLD 1	553918	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.3	0	8192	SLU 36	8192	10888	68363	0	10888	1	Si
20	0.101	13.33	0	7884	SLU 36	7884	10637	68363	11671	11671	1	Si
41	0.101	10.44	0	7561	SLU 36	7561	9803	68363	11671	11671	1	Si
61	0.101	9.47	0	7245	SLU 36	7245	9491	68363	11671	11671	1	Si
82	0.101	7.6	0	6952	SLU 30	6952	8821	68363	11671	11671	1	Si
92	0.095	7.6	0	6818	SLU 30	6818	8821	68363	10984	10984	1	Si
113	0.095	7.6	0	6548	SLU 30	6548	8821	68363	10984	10984	1	Si
133	0.095	7.6	0	6278	SLU 30	6278	8821	68363	10984	10984	1	Si
154	0.095	7.6	0	6009	SLU 30	6009	8821	68363	10984	10984	1	Si
174	0.095	7.6	0	5739	SLU 30	5739	8821	68363	10984	10984	1	Si
195	0.095	7.6	0	5470	SLU 30	5470	8821	68363	10984	10984	1	Si
215	0.095	7.6	0	5200	SLU 30	5200	8821	68363	10984	10984	1	Si
236	0.086	7.6	0	4930	SLU 30	4930	8821	68363	10004	10004	1	Si
246	0.086	7.6	0	4796	SLU 30	4796	8821	68363	10004	10004	1	Si
266	0.086	7.6	0	4526	SLU 30	4526	8821	68363	10004	10004	1	Si
287	0.086	7.6	0	4250	SLU 30	4250	8821	68363	10004	10004	1	Si
307	0	7.6	0	3987	SLU 30	3987	8821	68363	0	8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.3	0	10238	SLV 1	11453	10888	68363	0	10888	1	Si
0	0	14.3	0	896	SLV 15	-319	-10888	-68363	0	-10888	1	Si
10	0	13.82	0	10139	SLV 1	11354	10764	68363	0	10764	1	Si
10	0	13.82	0	796	SLV 15	-418	-10764	-68363	0	-10764	1	Si
20	0.101	13.33	0	10044	SLV 1	11259	10637	68363	11671	11671	1	Si
20	0.101	13.33	0	702	SLV 15	-513	-10637	-68363	-11671	-11671	1	Si
41	0.101	10.44	0	9841	SLV 1	11055	9803	68363	11671	11671	1	Si
41	0.101	10.44	0	498	SLV 15	-716	-9803	-68363	-11671	-11671	1	Si
61	0.101	9.47	0	9642	SLV 1	10856	9491	68363	11671	11671	1	Si
61	0.101	9.47	0	299	SLV 15	-915	-9491	-68363	-11671	-11671	1	Si
82	0.101	7.6	0	9443	SLV 1	10658	8821	68363	11671	11671	1	Si
82	0.101	7.6	0	100	SLV 15	-1114	-8821	-68363	-11671	-11671	1	Si
92	0.095	7.6	0	9344	SLV 1	10558	8821	68363	10984	10984	1	Si
92	0.095	7.6	0	1	SLV 15	-1213	-8821	-68363	-10984	-10984	1	Si
113	0.095	7.6	0	9145	SLV 1	10359	8821	68363	10984	10984	1	Si
113	0.095	7.6	0	-198	SLV 15	-1412	-8821	-68363	-10984	-10984	1	Si
133	0.095	7.6	0	8946	SLV 1	10160	8821	68363	10984	10984	1	Si
133	0.095	7.6	0	-397	SLV 15	-1611	-8821	-68363	-10984	-10984	1	Si
154	0.095	7.6	0	8747	SLV 1	9962	8821	68363	10984	10984	1	Si
154	0.095	7.6	0	-596	SLV 15	-1810	-8821	-68363	-10984	-10984	1	Si
174	0.095	7.6	0	8548	SLV 1	9763	8821	68363	10984	10984	1	Si
174	0.095	7.6	0	-794	SLV 15	-2009	-8821	-68363	-10984	-10984	1	Si
195	0.095	7.6	0	8349	SLV 1	9564	8821	68363	10984	10984	1	Si
195	0.095	7.6	0	-993	SLV 15	-2208	-8821	-68363	-10984	-10984	1	Si
215	0.095	7.6	0	8151	SLV 1	9365	8821	68363	10984	10984	1	Si
215	0.095	7.6	0	-1192	SLV 15	-2407	-8821	-68363	-10984	-10984	1	Si
236	0.086	7.6	0	7952	SLV 1	9166	8821	68363	10004	10004	1	Si
236	0.086	7.6	0	-1391	SLV 15	-2605	-8821	-68363	-10004	-10004	1	Si
246	0.086	7.6	0	7852	SLV 1	9067	8821	68363	10004	10004	1	Si
246	0.086	7.6	0	-1490	SLV 15	-2705	-8821	-68363	-10004	-10004	1	Si
266	0.086	7.6	0	7653	SLV 1	8868	8821	68363	10004	10004	1	Si
266	0.086	7.6	0	-1689	SLV 15	-2904	-8821	-68363	-10004	-10004	1	Si
287	0.086	7.6	0	7450	SLV 1	8664	8821	68363	10004	10004	1	Si
287	0.086	7.6	0	-1893	SLV 15	-3107	-8821	-68363	-10004	-10004	1	Si
307	0	7.6	0	7256	SLV 1	8470	8821	68363	0	8821	1	Si
307	0	7.6	0	-2087	SLV 15	-3301	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.3	0	7633	SLD 1	7633	10888	68363	0	10888	1	Si
20	0.101	13.33	0	7439	SLD 1	7439	10637	68363	11671	11671	1	Si
41	0.101	10.44	0	7236	SLD 1	7236	9803	68363	11671	11671	1	Si
61	0.101	9.47	0	7037	SLD 1	7037	9491	68363	11671	11671	1	Si
82	0.101	7.6	0	6838	SLD 1	6838	8821	68363	11671	11671	1	Si
92	0.095	7.6	0	6739	SLD 1	6739	8821	68363	10984	10984	1	Si
113	0.095	7.6	0	6540	SLD 1	6540	8821	68363	10984	10984	1	Si
133	0.095	7.6	0	6341	SLD 1	6341	8821	68363	10984	10984	1	Si
154	0.095	7.6	0	6142	SLD 1	6142	8821	68363	10984	10984	1	Si
174	0.095	7.6	0	5943	SLD 1	5943	8821	68363	10984	10984	1	Si
195	0.095	7.6	0	5744	SLD 1	5744	8821	68363	10984	10984	1	Si
215	0.095	7.6	0	5545	SLD 1	5545	8821	68363	10984	10984	1	Si
236	0.086	7.6	0	5347	SLD 1	5347	8821	68363	10004	10004	1	Si
246	0.086	7.6	0	5247	SLD 1	5247	8821	68363	10004	10004	1	Si
266	0.086	7.6	0	5048	SLD 1	5048	8821	68363	10004	10004	1	Si
287	0.086	7.6	0	4845	SLD 1	4845	8821	68363	10004	10004	1	Si
307	0	7.6	0	4651	SLD 1	4651	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-963621	3	-904713	31.6	124.5	1025.4	1837	-906092	2	-850444	29.7	93.4	0	+∞	Si
20	-847721	3	-847721	29.6	124.5	960.8	1837	-796712	2	-796712	27.9	93.4	0	+∞	Si
41	-730153	3	-847721	29.6	124.5	960.8	1837	-685990	2	-796712	27.9	93.4	0	+∞	Si
61	-619533	3	-777675	27.8	124.5	934.8	1837	-582054	2	-730719	26.1	93.4	0	+∞	Si
82	-512990	3	-665352	24.3	124.5	855.3	1837	-482194	2	-625078	22.9	93.4	0	+∞	Si
92	-461247	3	-610718	24	124.5	951.3	1837	-433793	2	-573787	22.5	93.4	0	+∞	Si
113	-360819	3	-504509	20.5	124.5	859.3	1837	-340048	2	-474261	19.2	93.4	0	+∞	Si
133	-264467	3	-402377	10.5	124.5	157.3	1837	-250380	2	-378812	17	93.4	0	+∞	Si
154	-172192	3	-304321	7.9	124.5	118.9	1837	-164788	2	-287440	12.9	93.4	0	+∞	Si
174	-83993	3	-210341	5.5	124.5	82.2	1837	-83272	2	-200143	9	93.4	0	+∞	Si
195	3367	9	112360	2.9	124.5	43.9	1837								Si
195	-13259	1	-120438	3.1	124.5	47.1	1837	-13259	1	-116924	5.2	93.4	0	+∞	Si
215	80175	3	186626	4.9	124.5	72.9	1837	67530	2	164502	7.4	93.4	0	+∞	Si
236	156145	3	256814	6.7	124.5	100.4	1837	136816	2	228008	10.2	93.4	0	+∞	Si
246	192601	3	290380	7.6	124.5	113.5	1837	169930	2	258232	11.6	93.4	0	+∞	Si
266	262456	3	329764	8.6	124.5	128.9	1837	233101	2	293563	13.2	93.4	0	+∞	Si
287	329764	3	329764	8.6	124.5	128.9	1837	293563	2	293563	13.2	93.4	0	+∞	Si
307	389936	3	360808	9.4	124.5	141	1837	347215	2	321347	14.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
41	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.012	1	-0.013	1	9999	Si
61	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.015	1	-0.016	1	9999	Si
82	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.017	1	-0.018	1	9999	Si
92	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.017	1	-0.018	1	9999	Si
102	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.017	1	-0.018	1	9999	Si
113	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.017	1	-0.018	1	9999	Si
133	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.016	1	-0.017	1	9999	Si
154	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.014	1	-0.015	1	9999	Si
174	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.012	1	9999	Si
195	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
215	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
236	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si
246	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
266	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	2	-0.002	2	9999	Si
287	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	5373	5886	11671	SLV 1	0.39	839	1.07	-796712	-774305	-1865528	SLV 1	0.49	1628	1.404	Si
41	5169	5886	11671	SLV 1	0.4	907	1.104	-796712	-774305	-1865528	SLV 1	0.49	1628	1.404	Si
61	4971	5886	11671	SLV 1	0.41	976	1.138	-730719	-716524	-1758158	SLV 1	0.51	1802	1.463	Si
82	4772	5886	11671	SLV 1	0.42	1055	1.175	-625078	-621398	-1643583	SLV 1	0.57	2474	1.666	Si
92	4672	5886	10984	SLV 1	0.39	844	1.072	-573787	-573953	-1357201	SLV 1	0.49	1580	1.387	Si
113	4474	5886	10984	SLV 1	0.4	910	1.106	-474261	-479455	-1242432	SLV 1	0.57	2425	1.653	Si
133	4275	5886	10984	SLV 1	0.41	980	1.14	-378812	-385833	-962923	SLV 3	0.54	2084	1.553	Si
154	4076	5886	10984	SLV 1	0.42	1059	1.177	-287440	-293615	-962923	SLV 3	0.57	2474	1.666	Si
174	3877	5886	10984	SLV 1	0.44	1141	1.213	-200143	-203047	-962923	SLV 3	0.57	2474	1.666	Si
195	3678	5886	10984	SLV 1	0.45	1228	1.25	96921	182818	962923	SLV 1	0.57	2474	1.666	Si
215	3479	5886	10984	SLV 1	0.46	1318	1.287	164502	278046	962923	SLV 1	0.57	2474	1.666	Si
236	3280	5886	10004	SLV 1	0.41	985	1.142	228008	373469	962923	SLV 1	0.57	2474	1.666	Si
246	3181	5886	10004	SLV 1	0.42	1024	1.161	258232	421220	962923	SLV 1	0.57	2474	1.666	Si
266	2982	5886	10004	SLV 1	0.43	1105	1.197	293563	479149	962923	SLV 1	0.5	1681	1.422	Si
287	2778	5886	10004	SLV 1	0.44	1192	1.235	293563	479149	962923	SLV 1	0.5	1681	1.422	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	5373	2066	11671	SLD 1	0.41	956	2.839	-796712	-342521	-1865528	SLD 1	0.42	1017	2.912	Si
41	5169	2066	11671	SLD 1	0.42	1040	2.939	-796712	-342521	-1865528	SLD 1	0.42	1017	2.912	Si
61	4971	2066	11671	SLD 1	0.43	1128	3.039	-730719	-316963	-1758158	SLD 1	0.43	1127	3.037	Si
82	4772	2066	11671	SLD 1	0.45	1219	3.137	-625078	-274886	-1643583	SLD 1	0.49	1607	3.513	Si
92	4672	2066	10984	SLD 1	0.41	962	2.847	-573787	-253900	-1357201	SLD 1	0.41	987	2.877	Si
113	4474	2066	10984	SLD 1	0.42	1044	2.944	-474261	-212101	-1242432	SLD 1	0.48	1513	3.427	Si
133	4275	2066	10984	SLD 1	0.43	1132	3.043	-378812	-170690	-962923	SLD 3	0.46	1301	3.222	Si
154	4076	2066	10984	SLD 1	0.45	1224	3.142	-287440	-129900	-962923	SLD 3	0.6	2474	4.193	Si
174	3877	2066	10984	SLD 1	0.46	1319	3.24	-200143	-89839	-962923	SLD 3	0.6	2474	4.193	Si
195	3678	2066	10984	SLD 1	0.47	1419	3.338	96921	80830	962923	SLD 1	0.6	2474	4.193	Si
215	3479	2066	10984	SLD 1	0.48	1524	3.438	164502	122954	962923	SLD 1	0.6	2474	4.193	Si
236	3280	2066	10004	SLD 1	0.44	1138	3.05	228008	165163	962923	SLD 1	0.59	2474	4.193	Si
246	3181	2066	10004	SLD 1	0.44	1183	3.098	258232	186285	962923	SLD 1	0.5	1699	3.594	Si
266	2982	2066	10004	SLD 1	0.45	1277	3.197	293563	211909	962923	SLD 1	0.42	1051	2.952	Si
287	2778	2066	10004	SLD 1	0.47	1377	3.298	293563	211909	962923	SLD 1	0.42	1051	2.952	Si

Campata 7 tra i fili 20 - 21, sezione R 40x70, asta 1219

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	339494	SLU 30	339494	962923	0.078						Si
18	7.6	5.4	7.6	5.4	370861	SLU 30	370861	962923	0.078						Si
20	7.6	5.4	7.6	5.4	373991	SLU 30	414848	962923	0.078						Si
36	7.6	5.4	7.6	5.4	397967	SLU 30	432653	962923	0.078						Si
54	7.6	5.4	7.6	5.4	420813	SLU 30	448617	962923	0.078						Si
72	7.6	5.4	7.6	5.4	439398	SLU 30	460321	962923	0.078						Si
81	7.6	5.4	7.6	5.4	447093	SLU 30	464575	962923	0.078						Si
99	7.6	5.4	7.6	5.4	459286	SLU 30	469888	962923	0.078						Si
117	7.6	5.4	7.6	5.4	467220	SLU 30	471131	962923	0.078						Si
135	7.6	5.4	7.6	5.4	470892	SLU 30	471131	962923	0.078						Si
153	7.6	5.4	7.6	5.4	470304	SLU 30	471131	962923	0.078						Si
171	7.6	5.4	7.6	5.4	465455	SLU 30	471131	962923	0.078						Si
189	7.6	5.4	7.6	5.4	456346	SLU 30	468847	962923	0.078						Si
207	11.15	5.4	7.6	5.4	442976	SLU 30	462358	963356	0.079						Si
216	12	5.4	7.6	5.4	434693	SLU 30	457516	963427	0.08						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
234	13.7	5.4	7.6	5.4	414931	SLU 30	444636	963546	0.08						Si
250	15.21	5.4	7.6	5.4	393697	SLU 30	429572	963633	0.08						Si
252	15.21	5.4	7.6	5.4	390910	SLU 30	390910	963633	0.08						Si
270	15.21	5.4	7.6	5.4	362627	SLU 30	362627	963633	0.08						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	815606	SLV 13	783722	962923	0.078	-384161	SLV 3	-324690	-962923	0.078	Si
18	7.6	5.4	7.6	5.4	759304	SLV 13	758673	962923	0.078	-281103	SLV 3	-280330	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	752797	SLV 13	752797	962923	0.078	-269924	SLV 3	-269924	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	699989	SLV 13	752797	962923	0.078	-181315	SLV 3	-269924	-962923	0.078	Si
54	7.6	5.4	7.6	5.4	637672	SLV 13	736757	962923	0.078	-84813	SLV 3	-242369	-962923	0.078	Si
72	7.6	5.4	7.6	5.4	572370	SLV 13	676285	962923	0.078	8389	SLV 3	-143845	-962923	0.078	Si
81	7.6	5.4	7.6	5.4	538607	SLV 13	644925	962923	0.078	53745	SLV 3	-95816	-962923	0.078	Si
99	7.6	5.4	7.6	5.4	468885	SLV 13	579966	962923	0.078	141939	SLV 3	-2234	-962923	0.078	Si
117	7.6	5.4	7.6	5.4	401611	SLV 9	512043	962923	0.078						Si
135	7.6	5.4	7.6	5.4	391627	SLV 5	478398	962923	0.078						Si
153	7.6	5.4	7.6	5.4	431449	SLV 1	552545	962923	0.078						Si
171	7.6	5.4	7.6	5.4	507354	SLV 1	623732	962923	0.078	114499	SLV 15	-26065	-962923	0.078	Si
189	7.6	5.4	7.6	5.4	580372	SLV 1	691914	962923	0.078	28524	SLV 15	-117355	-962923	0.078	Si
207	11.15	5.4	7.6	5.4	650406	SLV 1	757068	963356	0.079	-60752	SLV 15	-211903	-1384634	0.086	Si
216	12	5.4	7.6	5.4	684294	SLV 1	788504	963427	0.08	-106618	SLV 15	-260393	-1485363	0.088	Si
234	13.7	5.4	7.6	5.4	749797	SLV 1	805403	963546	0.08	-200793	SLV 15	-287297	-1686702	0.092	Si
250	15.21	5.4	7.6	5.4	805403	SLV 1	805403	963633	0.08	-287297	SLV 15	-287297	-1865528	0.096	Si
252	15.21	5.4	7.6	5.4	812259	SLV 1	811955	963633	0.08	-298211	SLV 15	-297796	-1865528	0.096	Si
270	15.21	5.4	7.6	5.4	871666	SLV 1	839885	963633	0.08	-398861	SLV 15	-342557	-1865528	0.096	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	481098	SLD 13	474685	962923	0.078	-49653	SLD 3	-15654	-962923	0.078	Si
18	7.6	5.4	7.6	5.4	469229	SLD 13	468989	962923	0.078						Si
20	7.6	5.4	7.6	5.4	467653	SLD 13	467653	962923	0.078						Si
36	7.6	5.4	7.6	5.4	454273	SLD 13	467653	962923	0.078						Si
54	7.6	5.4	7.6	5.4	436237	SLD 13	463767	962923	0.078						Si
72	7.6	5.4	7.6	5.4	415129	SLD 13	447626	962923	0.078						Si
81	7.6	5.4	7.6	5.4	403425	SLD 13	438400	962923	0.078						Si
99	7.6	5.4	7.6	5.4	377732	SLD 13	417644	962923	0.078						Si
117	7.6	5.4	7.6	5.4	351377	SLD 9	393825	962923	0.078						Si
135	7.6	5.4	7.6	5.4	348604	SLD 5	385899	962923	0.078						Si
153	7.6	5.4	7.6	5.4	366106	SLD 1	415762	962923	0.078						Si
171	7.6	5.4	7.6	5.4	397824	SLD 1	442562	962923	0.078						Si
189	7.6	5.4	7.6	5.4	426512	SLD 1	466280	962923	0.078						Si
207	11.15	5.4	7.6	5.4	452127	SLD 1	486906	963356	0.079						Si
216	12	5.4	7.6	5.4	463778	SLD 1	496058	963427	0.08						Si
234	13.7	5.4	7.6	5.4	484761	SLD 1	500744	963546	0.08						Si
250	15.21	5.4	7.6	5.4	500744	SLD 1	500744	963633	0.08						Si
252	15.21	5.4	7.6	5.4	502645	SLD 1	502541	963633	0.08						Si
270	15.21	5.4	7.6	5.4	517426	SLD 1	510204	963633	0.08	-44621	SLD 15	-12876	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2226	SLU 35	2226	8821	68363	0	8821	1	Si
18	0	7.6	0	1949	SLU 35	1949	8821	68363	0	8821	1	Si
20	0.061	7.6	0	1918	SLU 35	1918	8821	68363	7104	8821	1	Si
36	0.061	7.6	0	1672	SLU 35	1672	8821	68363	7104	8821	1	Si
54	0.061	7.6	0	1394	SLU 35	1394	8821	68363	7104	8821	1	Si
72	0.061	7.6	0	1117	SLU 35	1117	8821	68363	7104	8821	1	Si
81	0.061	7.6	0	978	SLU 35	978	8821	68363	7104	8821	1	Si
99	0.061	7.6	0	701	SLU 35	701	8821	68363	7104	8821	1	Si
117	0.061	7.6	0	424	SLU 35	424	8821	68363	7104	8821	1	Si
135	0.061	7.6	0	154	SLU 26	154	8821	68363	7104	8821	1	Si
153	0.061	7.6	0	-174	SLU 34	-174	-8821	-68363	-7104	-8821	1	Si
171	0.061	7.6	0	-451	SLU 34	-451	-8821	-68363	-7104	-8821	1	Si
189	0.061	7.6	0	-728	SLU 34	-728	-8821	-68363	-7104	-8821	1	Si
207	0.061	7.6	0	-1005	SLU 34	-1005	-8821	-68363	-7104	-8821	1	Si
216	0.061	7.6	0	-1144	SLU 34	-1144	-8821	-68363	-7104	-8821	1	Si
234	0.061	7.6	0	-1421	SLU 34	-1421	-8821	-68363	-7104	-8821	1	Si
250	0.061	7.6	0	-1668	SLU 34	-1668	-8821	-68363	-7104	-8821	1	Si
252	0	7.6	0	-1698	SLU 34	-1698	-8821	-68363	0	-8821	1	Si
270	0	7.6	0	-1976	SLU 34	-1976	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5873	SLV 1	7040	8821	68363	0	8821	1	Si
0	0	7.6	0	-3101	SLV 15	-4268	-8821	-68363	0	-8821	1	Si
18	0	7.6	0	5699	SLV 1	6865	8821	68363	0	8821	1	Si
18	0	7.6	0	-3276	SLV 15	-4442	-8821	-68363	0	-8821	1	Si
20	0.061	7.6	0	5679	SLV 1	6846	8821	68363	7104	8821	1	Si
20	0.061	7.6	0	-3295	SLV 15	-4462	-8821	-68363	-7104	-8821	1	Si
36	0.061	7.6	0	5524	SLV 1	6691	8821	68363	7104	8821	1	Si
36	0.061	7.6	0	-3450	SLV 15	-4617	-8821	-68363	-7104	-8821	1	Si
54	0.061	7.6	0	5349	SLV 1	6516	8821	68363	7104	8821	1	Si
54	0.061	7.6	0	-3625	SLV 15	-4791	-8821	-68363	-7104	-8821	1	Si
72	0.061	7.6	0	5175	SLV 1	6341	8821	68363	7104	8821	1	Si
72	0.061	7.6	0	-3799	SLV 15	-4966	-8821	-68363	-7104	-8821	1	Si
81	0.061	7.6	0	5087	SLV 1	6254	8821	68363	7104	8821	1	Si
81	0.061	7.6	0	-3887	SLV 15	-5053	-8821	-68363	-7104	-8821	1	Si
99	0.061	7.6	0	4913	SLV 1	6080	8821	68363	7104	8821	1	Si
99	0.061	7.6	0	-4061	SLV 15	-5228	-8821	-68363	-7104	-8821	1	Si
117	0.061	7.6	0	4738	SLV 1	5905	8821	68363	7104	8821	1	Si
117	0.061	7.6	0	-4236	SLV 15	-5403	-8821	-68363	-7104	-8821	1	Si
135	0.061	7.6	0	4564	SLV 1	5730	8821	68363	7104	8821	1	Si
135	0.061	7.6	0	-4410	SLV 15	-5577	-8821	-68363	-7104	-8821	1	Si
153	0.061	7.6	0	4389	SLV 1	5556	8821	68363	7104	8821	1	Si
153	0.061	7.6	0	-4585	SLV 15	-5752	-8821	-68363	-7104	-8821	1	Si
171	0.061	7.6	0	4214	SLV 1	5381	8821	68363	7104	8821	1	Si
171	0.061	7.6	0	-4760	SLV 15	-5926	-8821	-68363	-7104	-8821	1	Si
189	0.061	7.6	0	4040	SLV 1	5206	8821	68363	7104	8821	1	Si
189	0.061	7.6	0	-4934	SLV 15	-6101	-8821	-68363	-7104	-8821	1	Si
207	0.061	7.6	0	3865	SLV 1	5032	8821	68363	7104	8821	1	Si
207	0.061	7.6	0	-5109	SLV 15	-6276	-8821	-68363	-7104	-8821	1	Si
216	0.061	7.6	0	3778	SLV 1	4945	8821	68363	7104	8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
216	0.061	7.6	0	-5196	SLV 15	-6363	-8821	-68363	-7104	-8821	1	Si
234	0.061	7.6	0	3603	SLV 1	4770	8821	68363	7104	8821	1	Si
234	0.061	7.6	0	-5371	SLV 15	-6537	-8821	-68363	-7104	-8821	1	Si
250	0.061	7.6	0	3448	SLV 1	4615	8821	68363	7104	8821	1	Si
250	0.061	7.6	0	-5526	SLV 15	-6693	-8821	-68363	-7104	-8821	1	Si
252	0	7.6	0	3429	SLV 1	4595	8821	68363	0	8821	1	Si
252	0	7.6	0	-5545	SLV 15	-6712	-8821	-68363	0	-8821	1	Si
270	0	7.6	0	3254	SLV 1	4421	8821	68363	0	8821	1	Si
270	0	11.15	0	-5720	SLV 15	-6887	-10022	-68363	0	-10022	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3371	SLD 1	3371	8821	68363	0	8821	1	Si
0	0	7.6	0	-599	SLD 15	-599	-8821	-68363	0	-8821	1	Si
18	0	7.6	0	3196	SLD 1	3196	8821	68363	0	8821	1	Si
18	0	7.6	0	-773	SLD 15	-773	-8821	-68363	0	-8821	1	Si
20	0.061	7.6	0	3177	SLD 1	3177	8821	68363	7104	8821	1	Si
20	0.061	7.6	0	-793	SLD 15	-793	-8821	-68363	-7104	-8821	1	Si
36	0.061	7.6	0	3022	SLD 1	3022	8821	68363	7104	8821	1	Si
36	0.061	7.6	0	-948	SLD 15	-948	-8821	-68363	-7104	-8821	1	Si
54	0.061	7.6	0	2847	SLD 1	2847	8821	68363	7104	8821	1	Si
54	0.061	7.6	0	-1123	SLD 15	-1123	-8821	-68363	-7104	-8821	1	Si
72	0.061	7.6	0	2673	SLD 1	2673	8821	68363	7104	8821	1	Si
72	0.061	7.6	0	-1297	SLD 15	-1297	-8821	-68363	-7104	-8821	1	Si
81	0.061	7.6	0	2585	SLD 1	2585	8821	68363	7104	8821	1	Si
81	0.061	7.6	0	-1385	SLD 15	-1385	-8821	-68363	-7104	-8821	1	Si
99	0.061	7.6	0	2411	SLD 1	2411	8821	68363	7104	8821	1	Si
99	0.061	7.6	0	-1559	SLD 15	-1559	-8821	-68363	-7104	-8821	1	Si
117	0.061	7.6	0	2236	SLD 1	2236	8821	68363	7104	8821	1	Si
117	0.061	7.6	0	-1734	SLD 15	-1734	-8821	-68363	-7104	-8821	1	Si
135	0.061	7.6	0	2062	SLD 1	2062	8821	68363	7104	8821	1	Si
135	0.061	7.6	0	-1908	SLD 15	-1908	-8821	-68363	-7104	-8821	1	Si
153	0.061	7.6	0	1887	SLD 1	1887	8821	68363	7104	8821	1	Si
153	0.061	7.6	0	-2083	SLD 15	-2083	-8821	-68363	-7104	-8821	1	Si
171	0.061	7.6	0	1712	SLD 1	1712	8821	68363	7104	8821	1	Si
171	0.061	7.6	0	-2258	SLD 15	-2258	-8821	-68363	-7104	-8821	1	Si
189	0.061	7.6	0	1538	SLD 1	1538	8821	68363	7104	8821	1	Si
189	0.061	7.6	0	-2432	SLD 15	-2432	-8821	-68363	-7104	-8821	1	Si
207	0.061	7.6	0	1363	SLD 1	1363	8821	68363	7104	8821	1	Si
207	0.061	7.6	0	-2607	SLD 15	-2607	-8821	-68363	-7104	-8821	1	Si
216	0.061	7.6	0	1276	SLD 1	1276	8821	68363	7104	8821	1	Si
216	0.061	7.6	0	-2694	SLD 15	-2694	-8821	-68363	-7104	-8821	1	Si
234	0.061	7.6	0	1101	SLD 1	1101	8821	68363	7104	8821	1	Si
234	0.061	7.6	0	-2869	SLD 15	-2869	-8821	-68363	-7104	-8821	1	Si
250	0.061	7.6	0	946	SLD 1	946	8821	68363	7104	8821	1	Si
250	0.061	7.6	0	-3024	SLD 15	-3024	-8821	-68363	-7104	-8821	1	Si
252	0	7.6	0	927	SLD 1	927	8821	68363	0	8821	1	Si
252	0	7.6	0	-3043	SLD 15	-3043	-8821	-68363	0	-8821	1	Si
270	0	7.6	0	752	SLD 1	752	8821	68363	0	8821	1	Si
270	0	11.15	0	-3218	SLD 15	-3218	-10022	-68363	0	-10022	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	244479	3	244479	6.4	124.5	95.6	1837	215722	2	215722	9.7	93.4	0	+∞	Si
18	267759	3	267759	7	124.5	104.7	1837	239101	2	239101	10.7	93.4	0	+∞	Si
20	270084	3	300451	7.8	124.5	117.4	1837	241437	2	271963	12.2	93.4	0	+∞	Si
36	287896	3	313711	8.2	124.5	122.6	1837	259337	2	285311	12.8	93.4	0	+∞	Si
54	304890	3	325630	8.5	124.5	127.3	1837	276430	2	297329	13.3	93.4	0	+∞	Si
72	318742	3	334405	8.7	124.5	130.7	1837	290380	2	306203	13.7	93.4	0	+∞	Si
81	324489	3	337615	8.8	124.5	132	1837	296176	2	309462	13.9	93.4	0	+∞	Si
99	333626	3	341676	8.9	124.5	133.5	1837	305412	2	313622	14.1	93.4	0	+∞	Si
117	339620	3	342719	8.9	124.5	134	1837	311505	2	314752	14.1	93.4	0	+∞	Si
135	342471	3	342719	8.9	124.5	134	1837	314455	2	314752	14.1	93.4	0	+∞	Si
153	342180	3	342719	8.9	124.5	134	1837	314262	2	314752	14.1	93.4	0	+∞	Si
171	338746	3	342719	8.9	124.5	134	1837	310927	2	314752	14.1	93.4	0	+∞	Si
189	332169	3	341160	8.9	124.5	133.3	1837	304448	2	313281	14.1	93.4	0	+∞	Si
207	322449	3	336516	8.4	124.5	129.1	1837	294827	2	308735	13.1	93.4	0	+∞	Si
216	316410	3	333015	8.2	124.5	127.2	1837	288838	2	305284	12.8	93.4	0	+∞	Si
234	301976	3	323657	7.8	124.5	122.5	1837	274502	2	296024	12.1	93.4	0	+∞	Si
250	286439	3	312672	7.4	124.5	117.5	1837	259053	2	285127	11.5	93.4	0	+∞	Si
252	284399	3	284399	6.7	124.5	106.9	1837	257024	2	257024	10.3	93.4	0	+∞	Si
270	263679	3	263679	6.2	124.5	99.1	1837	236402	2	236402	9.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
20	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
36	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.009	2	0.008	2	9999	Si
54	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
72	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.015	2	0.013	2	9999	Si
81	0.008	0.006	0.007	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.016	2	0.014	2	9999	Si
99	0.009	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.018	2	0.016	2	9999	Si
117	0.009	0.007	0.008	0.007	0.008	0.007	0.008	0.007	0.008	0.007	0.019	2	0.017	2	9999	Si
135	0.009	0.008	0.008	0.007	0.009	0.008	0.008	0.007	0.008	0.008	0.02	2	0.017	2	9999	Si
153	0.009	0.007	0.008	0.007	0.008	0.007	0.008	0.007	0.008	0.007	0.019	2	0.017	2	9999	Si
171	0.009	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.018	2	0.016	2	9999	Si
189	0.008	0.006	0.007	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.016	2	0.014	2	9999	Si
207	0.007	0.005	0.006	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.014	2	0.012	2	9999	Si
216	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
234	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.009	2	0.008	2	9999	Si
250	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
252	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1192	5654	8821	SLV 1	0.48	1532	1.369	241437	511361	962923	SLV 13	0.5	1725	1.437	Si
36	1037	5654	8821	SLV 1	0.49	1616	1.399	241437	511361	962923	SLV 13	0.5	1725	1.437	Si
54	862	5654	8821	SLV 1	0.5	1715	1.434	247194	489563	962923	SLV 13	0.52	1898	1.495	Si
72	688	5654	8821	SLV 1	0.51	1817	1.468	266220	410065	962923	SLV 13	0.57	2474	1.666	Si
81	600	5654	8821	SLV 1	0.52	1870	1.486	274554	370370	962923	SLV 13	0.57	2474	1.666	Si
99	426	5654	8821	SLV 1	0.53	1979	1.521	288866	291100	962923	SLV 13	0.57	2474	1.666	Si
117	251	5654	8821	SLV 1	0.54	2091	1.555	300034	212008	962923	SLV 13	0.57	2474	1.666	Si
135	77	5654	8821	SLV 1	0.55	2206	1.59	312513	165885	962923	SLV 1	0.57	2474	1.666	Si
153	-98	-5654	-8821	SLV 15	0.55	2192	1.586	307245	245300	962923	SLV 1	0.57	2474	1.666	Si
171	-273	-5654	-8821	SLV 15	0.54	2077	1.551	298834	324899	962923	SLV 1	0.57	2474	1.666	Si
189	-447	-5654	-8821	SLV 15	0.53	1965	1.516	287279	404634	962923	SLV 1	0.57	2474	1.666	Si
207	-622	-5654	-8821	SLV 15	0.52	1857	1.481	272582	484485	963356	SLV 1	0.51	1775	1.454	Si
216	-709	-5654	-8821	SLV 15	0.51	1804	1.464	264055	524449	963427	SLV 1	0.48	1484	1.351	Si
234	-884	-5654	-8821	SLV 15	0.5	1703	1.43	259053	546350	963546	SLV 1	0.46	1358	1.303	Si
250	-1039	-5654	-8821	SLV 15	0.49	1615	1.399	259053	546350	963633	SLV 1	0.46	1358	1.303	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	1192	1985	8821	SLD 1	0.51	1772	3.657	241437	226216	962923	SLD 13	0.43	1078	2.983	Si
36	1037	1985	8821	SLD 1	0.52	1870	3.738	241437	226216	962923	SLD 13	0.43	1078	2.983	Si
54	862	1985	8821	SLD 1	0.53	1985	3.831	247194	216573	962923	SLD 13	0.44	1187	3.103	Si
72	688	1985	8821	SLD 1	0.54	2104	3.923	266220	181406	962923	SLD 13	0.51	1769	3.654	Si
81	600	1985	8821	SLD 1	0.55	2164	3.969	274554	163846	962923	SLD 13	0.55	2250	4.033	Si
99	426	1985	8821	SLD 1	0.56	2290	4.062	288866	128779	962923	SLD 13	0.6	2474	4.193	Si
117	251	1985	8821	SLD 1	0.57	2420	4.155	300034	93791	962923	SLD 13	0.6	2474	4.193	Si
135	77	1985	8821	SLD 1	0.58	2474	4.193	312513	73386	962923	SLD 1	0.6	2474	4.193	Si
153	-98	-1985	-8821	SLD 15	0.58	2474	4.193	307245	108517	962923	SLD 1	0.6	2474	4.193	Si
171	-273	-1985	-8821	SLD 15	0.57	2404	4.144	298834	143728	962923	SLD 1	0.6	2474	4.193	Si
189	-447	-1985	-8821	SLD 15	0.56	2274	4.051	287279	179001	962923	SLD 1	0.5	1689	3.586	Si
207	-622	-1985	-8821	SLD 15	0.55	2149	3.958	272582	214324	963356	SLD 1	0.43	1110	3.019	Si
216	-709	-1985	-8821	SLD 15	0.54	2089	3.912	264055	232003	963427	SLD 1	0.4	931	2.809	Si
234	-884	-1985	-8821	SLD 15	0.53	1971	3.82	259053	241691	963546	SLD 1	0.39	857	2.715	Si
250	-1039	-1985	-8821	SLD 15	0.52	1869	3.738	259053	241691	963633	SLD 1	0.39	858	2.716	Si

Campata 8 tra i fili 21 - 22, sezione R 40x70, asta 1220

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	513251	SLU 30	475494	963633	0.08						Si
20	15.21	5.4	7.6	5.4	435139	SLU 30	435139	963633	0.08						Si
41	13.23	5.4	7.6	5.4	347525	SLU 30	435139	963517	0.08						Si
62	11.29	5.4	7.6	5.4	256372	SLU 30	383898	963368	0.08						Si
82	7.6	5.4	7.6	5.4	159693	SLU 30	295056	962923	0.078						Si
92	7.6	5.4	7.6	5.4	109281	SLU 30	248562	962923	0.078	58233	SLU 1	-43798	-962923	0.078	Si
113	7.6	5.4	7.6	5.4	12501	SLU 16	151430	962923	0.078	-5030	SLU 22	-154108	-962923	0.078	Si
133	7.6	5.4	7.6	5.4	-59651	SLU 6	51369	962923	0.078	-106183	SLU 30	-272440	-962923	0.078	Si
154	7.6	5.4	7.6	5.4						-222205	SLU 30	-396299	-962923	0.078	Si
174	7.6	5.4	7.6	5.4						-343753	SLU 30	-525684	-962923	0.078	Si
195	7.6	5.4	7.6	5.4						-470827	SLU 30	-660595	-962923	0.078	Si
205	7.6	5.4	7.6	5.4						-536437	SLU 30	-730123	-962923	0.078	Si
215	10.64	5.4	7.6	5.4						-603428	SLU 30	-801032	-1324172	0.085	Si
236	12.58	5.4	7.6	5.4						-741556	SLU 30	-946996	-1553617	0.089	Si
246	13.54	5.4	7.6	5.4						-812692	SLU 30	-1022051	-1668268	0.092	Si
267	15.21	5.4	7.6	5.4						-959108	SLU 30	-1114859	-1865528	0.096	Si
288	15.21	5.4	7.6	5.4						-1114859	SLU 30	-1114859	-1865528	0.096	Si
308	15.21	5.4	7.6	5.4						-1268521	SLU 30	-1190391	-1865528	0.096	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	850224	SLV 13	787791	963633	0.08	-176668	SLV 3	-162812	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	723189	SLV 13	723189	963633	0.08	-150619	SLV 3	-150619	-1865528	0.096	Si
41	13.23	5.4	7.6	5.4	585764	SLV 13	723189	963517	0.08	-127484	SLV 3	-150619	-1630800	0.091	Si
62	11.29	5.4	7.6	5.4	447610	SLV 13	642291	963368	0.08	-109197	SLV 3	-136456	-1401421	0.086	Si
82	7.6	5.4	7.6	5.4	305654	SLV 13	505772	962923	0.078	-95261	SLV 3	-116396	-962923	0.078	Si
92	7.6	5.4	7.6	5.4	233347	SLV 13	436053	962923	0.078	-90021	SLV 3	-107963	-962923	0.078	Si
113	7.6	5.4	7.6	5.4	86832	SLV 13	293803	962923	0.078	-83755	SLV 3	-157133	-962923	0.078	Si
133	7.6	5.4	7.6	5.4	-35100	SLV 5	148252	962923	0.078	-110226	SLV 11	-307245	-962923	0.078	Si
154	7.6	5.4	7.6	5.4	-59439	SLV 1	894	962923	0.078	-242442	SLV 15	-466581	-962923	0.078	Si
174	7.6	5.4	7.6	5.4						-399149	SLV 15	-631393	-962923	0.078	Si
195	7.6	5.4	7.6	5.4						-561789	SLV 15	-801066	-962923	0.078	Si
205	7.6	5.4	7.6	5.4						-645038	SLV 15	-887613	-962923	0.078	Si
215	10.64	5.4	7.6	5.4						-729489	SLV 15	-975261	-1324172	0.085	Si
236	12.58	5.4	7.6	5.4						-901828	SLV 15	-1153791	-1553617	0.089	Si
246	13.54	5.4	7.6	5.4						-989656	SLV 15	-1244648	-1668268	0.092	Si
267	15.21	5.4	7.6	5.4						-1168538	SLV 13	-1356188	-1865528	0.096	Si
288	15.21	5.4	7.6	5.4						-1356188	SLV 13	-1356188	-1865528	0.096	Si
308	15.21	5.4	7.6	5.4						-1538927	SLV 13	-1446739	-1865528	0.096	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	563853	SLD 13	522695	963633	0.08						Si
20	15.21	5.4	7.6	5.4	479509	SLD 13	479509	963633	0.08						Si
41	13.23	5.4	7.6	5.4	386860	SLD 13	479509	963517	0.08						Si
62	11.29	5.4	7.6	5.4	292333	SLD 13	425121	963368	0.08						Si
82	7.6	5.4	7.6	5.4	193851	SLD 13	332267	962923	0.078	16543	SLD 3	-33100	-962923	0.078	Si
92	7.6	5.4	7.6	5.4	143169	SLD 13	284342	962923	0.078	157	SLD 3	-53571	-962923	0.078	Si
113	7.6	5.4	7.6	5.4	39261	SLD 13	185544	962923	0.078	-36184	SLD 3	-128041	-962923	0.078	Si
133	7.6	5.4	7.6	5.4	-56042	SLD 5	83012	962923	0.078	-89284	SLD 11	-239036	-962923	0.078	Si
154	7.6	5.4	7.6	5.4						-191413	SLD 15	-356386	-962923	0.078	Si
174	7.6	5.4	7.6	5.4						-306649	SLD 15	-478432	-962923	0.078	Si
195	7.6	5.4	7.6	5.4						-426784	SLD 15	-604901	-962923	0.078	Si
205	7.6	5.4	7.6	5.4						-488557	SLD 15	-669745	-962923	0.078	Si
215	10.64	5.4	7.6	5.4						-551430	SLD 15	-735644	-1324172	0.085	Si
236	12.58	5.4	7.6	5.4						-680401	SLD 15	-870578	-1553617	0.089	Si
246	13.54	5.4	7.6	5.4						-746473	SLD 15	-939601	-1668268	0.092	Si
267	15.21	5.4	7.6	5.4						-881749	SLD 13	-1024643	-1865528	0.096	Si
288	15.21	5.4	7.6	5.4						-1024643	SLD 13	-1024643	-1865528	0.096	Si
308	15.21	5.4	7.6	5.4						-1164705	SLD 13	-1093778	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-3773	SLU 30	-3773	-8821	-68363	0	-8821	1	Si
20	0.072	7.6	0	-4036	SLU 30	-4036	-8821	-68363	-8336	-8821	1	Si
41	0.072	7.6	0	-4312	SLU 30	-4312	-8821	-68363	-8336	-8821	1	Si
62	0.072	7.6	0	-4581	SLU 30	-4581	-8821	-68363	-8336	-8821	1	Si
82	0.072	7.6	0	-4851	SLU 30	-4851	-8821	-68363	-8336	-8821	1	Si
92	0.087	7.6	0	-4986	SLU 30	-4986	-8821	-68363	-10069	-10069	1	Si
113	0.087	7.6	0	-5255	SLU 30	-5255	-8821	-68363	-10069	-10069	1	Si
133	0.087	7.6	0	-5525	SLU 30	-5525	-8821	-68363	-10069	-10069	1	Si
154	0.087	7.6	0	-5794	SLU 30	-5794	-8821	-68363	-10069	-10069	1	Si
174	0.087	7.6	0	-6064	SLU 30	-6064	-8821	-68363	-10069	-10069	1	Si
195	0.087	7.6	0	-6334	SLU 30	-6334	-8821	-68363	-10069	-10069	1	Si
215	0.087	7.6	0	-6603	SLU 30	-6603	-8821	-68363	-10069	-10069	1	Si
236	0.086	7.6	0	-6873	SLU 30	-6873	-8821	-68363	-10004	-10004	1	Si
246	0.086	7.6	0	-7023	SLU 36	-7023	-8821	-68363	-10004	-10004	1	Si
267	0.086	7.6	0	-7339	SLU 36	-7339	-8821	-68363	-10004	-10004	1	Si
288	0.086	11.61	0	-7663	SLU 36	-7663	-10157	-68363	-10004	-10157	1	Si
308	0	13.54	0	-7971	SLU 36	-7971	-10692	-68363	0	-10692	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.29	0	1413	SLV 3	2412	10064	68363	0	10064	1	Si
0	0	7.6	0	-6266	SLV 13	-7265	-8821	-68363	0	-8821	1	Si
20	0.072	7.6	0	1219	SLV 3	2218	8821	68363	8336	8821	1	Si
20	0.072	7.6	0	-6460	SLV 13	-7459	-8821	-68363	-8336	-8821	1	Si
41	0.072	7.6	0	1016	SLV 3	2014	8821	68363	8336	8821	1	Si
41	0.072	7.6	0	-6664	SLV 13	-7662	-8821	-68363	-8336	-8821	1	Si
62	0.072	7.6	0	817	SLV 3	1815	8821	68363	8336	8821	1	Si
62	0.072	7.6	0	-6863	SLV 13	-7861	-8821	-68363	-8336	-8821	1	Si
82	0.072	7.6	0	618	SLV 3	1616	8821	68363	8336	8821	1	Si
82	0.072	7.6	0	-7062	SLV 13	-8060	-8821	-68363	-8336	-8821	1	Si
92	0.087	7.6	0	518	SLV 3	1517	8821	68363	10069	10069	1	Si
92	0.087	7.6	0	-7161	SLV 13	-8159	-8821	-68363	-10069	-10069	1	Si
113	0.087	7.6	0	320	SLV 3	1318	8821	68363	10069	10069	1	Si
113	0.087	7.6	0	-7360	SLV 13	-8358	-8821	-68363	-10069	-10069	1	Si
133	0.087	7.6	0	121	SLV 3	1119	8821	68363	10069	10069	1	Si
133	0.087	7.6	0	-7559	SLV 13	-8557	-8821	-68363	-10069	-10069	1	Si
154	0.087	7.6	0	-78	SLV 3	920	8821	68363	10069	10069	1	Si
154	0.087	7.6	0	-7758	SLV 13	-8756	-8821	-68363	-10069	-10069	1	Si
174	0.087	7.6	0	-277	SLV 3	721	8821	68363	10069	10069	1	Si
174	0.087	7.6	0	-7956	SLV 13	-8955	-8821	-68363	-10069	-10069	1	Si
195	0.087	7.6	0	-476	SLV 3	523	8821	68363	10069	10069	1	Si
195	0.087	7.6	0	-8155	SLV 13	-9154	-8821	-68363	-10069	-10069	1	Si
215	0.087	7.6	0	-675	SLV 3	324	8821	68363	10069	10069	1	Si
215	0.087	7.6	0	-8354	SLV 13	-9353	-8821	-68363	-10069	-10069	1	Si
236	0.086	7.6	0	-874	SLV 3	125	8821	68363	10004	10004	1	Si
236	0.086	7.6	0	-8553	SLV 13	-9551	-8821	-68363	-10004	-10004	1	Si
246	0.086	7.6	0	-973	SLV 3	25	8821	68363	10004	10004	1	Si
246	0.086	7.6	0	-8652	SLV 13	-9651	-8821	-68363	-10004	-10004	1	Si
267	0.086	7.6	0	-8851	SLV 13	-9850	-8821	-68363	-10004	-10004	1	Si
277	0.086	10.64	0	-8951	SLV 13	-9949	-9867	-68363	-10004	-10004	1	Si
288	0.086	11.61	0	-9055	SLV 13	-10053	-10157	-68363	-10004	-10157	1	Si
308	0	13.54	0	-9249	SLV 13	-10247	-10692	-68363	0	-10692	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-4125	SLD 13	-4125	-8821	-68363	0	-8821	1	Si
20	0.072	7.6	0	-4319	SLD 13	-4319	-8821	-68363	-8336	-8821	1	Si
41	0.072	7.6	0	-4522	SLD 13	-4522	-8821	-68363	-8336	-8821	1	Si
62	0.072	7.6	0	-4721	SLD 13	-4721	-8821	-68363	-8336	-8821	1	Si
82	0.072	7.6	0	-4920	SLD 13	-4920	-8821	-68363	-8336	-8821	1	Si
92	0.087	7.6	0	-5019	SLD 13	-5019	-8821	-68363	-10069	-10069	1	Si
113	0.087	7.6	0	-5218	SLD 13	-5218	-8821	-68363	-10069	-10069	1	Si
133	0.087	7.6	0	-5417	SLD 13	-5417	-8821	-68363	-10069	-10069	1	Si
154	0.087	7.6	0	-5616	SLD 13	-5616	-8821	-68363	-10069	-10069	1	Si
174	0.087	7.6	0	-5815	SLD 13	-5815	-8821	-68363	-10069	-10069	1	Si
195	0.087	7.6	0	-6014	SLD 13	-6014	-8821	-68363	-10069	-10069	1	Si
215	0.087	7.6	0	-6213	SLD 13	-6213	-8821	-68363	-10069	-10069	1	Si
236	0.086	7.6	0	-6411	SLD 13	-6411	-8821	-68363	-10004	-10004	1	Si
246	0.086	7.6	0	-6511	SLD 13	-6511	-8821	-68363	-10004	-10004	1	Si
267	0.086	7.6	0	-6710	SLD 13	-6710	-8821	-68363	-10004	-10004	1	Si
277	0.086	10.64	0	-6809	SLD 13	-6809	-9867	-68363	-10004	-10004	1	Si
288	0.086	11.61	0	-6913	SLD 13	-6913	-10157	-68363	-10004	-10157	1	Si
308	0	13.54	0	-7107	SLD 13	-7107	-10692	-68363	0	-10692	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	373223	3	345725	8.1	124.5	130	1837	336778	2	312490	12.6	93.4	0	+∞	Si
20	316310	3	316310	7.5	124.5	118.9	1837	286285	2	286285	11.5	93.4	0	+∞	Si
41	252424	3	316310	7.6	124.5	120	1837	229140	2	286285	11.8	93.4	0	+∞	Si
62	185909	3	278952	6.9	124.5	106.9	1837	169207	2	252917	10.7	93.4	0	+∞	Si
82	115318	3	214142	5.6	124.5	83.7	1837	105197	2	194688	8.7	93.4	0	+∞	Si
92	78494	3	180208	4.7	124.5	70.4	1837	71663	2	164045	7.4	93.4	0	+∞	Si
113	5619	7	109283	2.8	124.5	42.7	1837	1538	2	99701	4.5	93.4	0	+∞	Si
113	-410	4	-114043	3	124.5	44.6	1837								Si
133	-78994	3	-200606	5.2	124.5	78.4	1837	-72663	2	-184943	8.3	93.4	0	+∞	Si
154	-163852	3	-291245	7.6	124.5	113.8	1837	-150941	2	-269001	12.1	93.4	0	+∞	Si
174	-252788	3	-385961	10.1	124.5	150.9	1837	-233295	2	-357136	16	93.4	0	+∞	Si
195	-345799	3	-484753	12.6	124.5	189.5	1837	-319726	2	-449347	20.2	93.4	0	+∞	Si
215	-442888	3	-587622	23.3	124.5	938.3	1837	-410233	2	-545635	21.6	93.4	0	+∞	Si
236	-544052	3	-694568	25.9	124.5	944.5	1837	-504817	2	-646000	24.1	93.4	0	+∞	Si
246	-596163	3	-749569	27.3	124.5	949.4	1837	-553637	2	-697711	25.4	93.4	0	+∞	Si
267	-703443	3	-817590	28.6	124.5	926.6	1837	-654336	2	-761741	26.6	93.4	0	+∞	Si
288	-817590	3	-817590	28.6	124.5	926.6	1837	-761741	2	-761741	26.6	93.4	0	+∞	Si
308	-930231	3	-872952	30.5	124.5	989.4	1837	-867962	2	-813893	28.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
41	0	0	0	-0.001	0	0	-0.001	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
62	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
82	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
92	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
113	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.008	1	-0.009	1	9999	Si
133	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.011	1	-0.012	1	9999	Si
154	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.013	1	-0.014	1	9999	Si
174	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.015	1	-0.016	1	9999	Si
195	-0.006	-0.008	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.016	1	-0.017	1	9999	Si
205	-0.007	-0.008	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.016	1	-0.018	1	9999	Si
215	-0.007	-0.008	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.016	1	-0.017	1	9999	Si
236	-0.006	-0.008	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.015	1	-0.017	1	9999	Si
246	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.014	1	-0.015	1	9999	Si
267	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
288	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-2620	-4838	-8821	SLV 13	0.46	1336	1.294	286285	436904	963633	SLV 13	0.55	2221	1.594	Si
41	-2824	-4838	-8821	SLV 13	0.45	1223	1.248	286285	436904	963517	SLV 13	0.55	2220	1.594	Si
62	-3023	-4838	-8821	SLV 13	0.43	1118	1.203	252917	389373	963368	SLV 13	0.57	2474	1.666	Si
82	-3222	-4838	-8821	SLV 13	0.42	1020	1.159	194688	311084	962923	SLV 13	0.57	2474	1.666	Si
92	-3321	-4838	-10069	SLV 13	0.5	1673	1.419	164045	272008	962923	SLV 13	0.57	2474	1.666	Si
113	-3520	-4838	-10069	SLV 13	0.49	1545	1.374	99701	194102	962923	SLV 13	0.57	2474	1.666	Si
133	-3719	-4838	-10069	SLV 13	0.47	1423	1.328	-184943	-122302	-962923	SLV 15	0.57	2474	1.666	Si
154	-3918	-4838	-10069	SLV 13	0.46	1308	1.283	-269001	-197580	-962923	SLV 15	0.57	2474	1.666	Si
174	-4117	-4838	-10069	SLV 13	0.44	1199	1.238	-357136	-274257	-962923	SLV 15	0.57	2474	1.666	Si
195	-4316	-4838	-10069	SLV 13	0.43	1096	1.193	-449347	-351719	-962923	SLV 15	0.52	1892	1.493	Si
215	-4514	-4838	-10069	SLV 13	0.42	998	1.148	-545635	-429626	-1324172	SLV 15	0.57	2474	1.666	Si
236	-4713	-4838	-10004	SLV 13	0.4	885	1.093	-646000	-507791	-1553617	SLV 13	0.57	2474	1.666	Si
246	-4813	-4838	-10004	SLV 13	0.39	845	1.073	-697711	-546937	-1668268	SLV 13	0.57	2474	1.666	Si
267	-5012	-4838	-10004	SLV 13	0.37	768	1.032	-761741	-594448	-1865528	SLV 13	0.57	2474	1.666	Si
288	-5215	-4838	-10157	SLV 13	0.37	749	1.021	-761741	-594448	-1865528	SLV 13	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	-2620	-1698	-8821	SLD 13	0.49	1545	3.457	286285	193224	963633	SLD 13	0.47	1386	3.306	Si
41	-2824	-1698	-8821	SLD 13	0.47	1414	3.334	286285	193224	963517	SLD 13	0.47	1386	3.306	Si
62	-3023	-1698	-8821	SLD 13	0.46	1293	3.214	252917	172203	963368	SLD 13	0.54	2142	3.952	Si
82	-3222	-1698	-8821	SLD 13	0.44	1179	3.094	194688	137579	962923	SLD 13	0.6	2474	4.193	Si
92	-3321	-1698	-10069	SLD 13	0.53	1938	3.793	164045	120297	962923	SLD 13	0.6	2474	4.193	Si
113	-3520	-1698	-10069	SLD 13	0.51	1788	3.67	99701	85843	962923	SLD 13	0.6	2474	4.193	Si
133	-3719	-1698	-10069	SLD 13	0.5	1647	3.549	-184943	-54094	-962923	SLD 15	0.6	2474	4.193	Si
154	-3918	-1698	-10069	SLD 13	0.48	1513	3.427	-269001	-87385	-962923	SLD 15	0.6	2474	4.193	Si
174	-4117	-1698	-10069	SLD 13	0.47	1386	3.306	-357136	-121296	-962923	SLD 15	0.6	2474	4.193	Si
195	-4316	-1698	-10069	SLD 13	0.45	1268	3.188	-449347	-155554	-962923	SLD 15	0.44	1183	3.098	Si
215	-4514	-1698	-10069	SLD 13	0.44	1154	3.067	-545635	-190009	-1324172	SLD 15	0.54	2104	3.923	Si
236	-4713	-1698	-10004	SLD 13	0.42	1012	2.906	-646000	-224578	-1553617	SLD 13	0.53	2028	3.865	Si
246	-4813	-1698	-10004	SLD 13	0.41	963	2.848	-697711	-241891	-1668268	SLD 13	0.53	1988	3.833	Si
267	-5012	-1698	-10004	SLD 13	0.39	875	2.738	-761741	-262903	-1865528	SLD 13	0.55	2245	4.029	Si
288	-5215	-1698	-10157	SLD 13	0.39	853	2.71	-761741	-262903	-1865528	SLD 13	0.55	2245	4.029	Si

Campata 9 tra i fili 22 - 23, sezione R 40x70, asta 1221

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-1372714	SLU 30	-1288516	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-1206927	SLU 30	-1206927	-1865528	0.096	Si
41	15.21	5.4	7.6	5.4						-1041095	SLU 30	-1206927	-1865528	0.096	Si
61	13.94	5.4	7.6	5.4						-883441	SLU 30	-1110587	-1715250	0.093	Si
81	12.02	5.4	7.6	5.4						-731224	SLU 30	-950597	-1487814	0.088	Si
91	11.06	5.4	7.6	5.4						-657155	SLU 30	-872641	-1374021	0.086	Si
102	7.6	5.4	7.6	5.4						-584444	SLU 30	-796044	-962923	0.078	Si
112	7.6	5.4	7.6	5.4						-513093	SLU 30	-720806	-962923	0.078	Si
132	7.6	5.4	7.6	5.4						-374821	SLU 29	-574408	-962923	0.078	Si
152	7.6	5.4	10.57	5.4						-244452	SLU 29	-433447	-963301	0.079	Si
173	7.6	5.4	7.6	5.4	-43568	SLU 17	84164	962923	0.078	-127679	SLU 20	-299884	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	43913	SLU 17	193118	962923	0.078	-18884	SLU 20	-175926	-962923	0.078	Si
213	7.6	5.4	7.6	5.4	146536	SLU 36	297202	962923	0.078	59145	SLU 1	-65130	-962923	0.078	Si
234	7.6	5.4	7.6	5.4	253356	SLU 36	394919	962923	0.078						Si
244	7.6	5.4	9.43	5.4	304379	SLU 36	441390	1179751	0.082						Si
264	7.6	5.4	10.8	5.4	401648	SLU 36	493962	1342401	0.085						Si
285	7.6	5.4	11.4	5.4	493962	SLU 36	493962	1414576	0.086						Si
305	7.6	5.4	11.4	5.4	584327	SLU 30	540194	1414576	0.086						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-1687203	SLV 3	-1577528	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-1474508	SLV 3	-1474508	-1865528	0.096	Si
41	15.21	5.4	7.6	5.4						-1259703	SLV 3	-1474508	-1865528	0.096	Si
61	13.94	5.4	7.6	5.4						-1053402	SLV 3	-1349949	-1715250	0.093	Si
81	12.02	5.4	7.6	5.4						-851999	SLV 3	-1141512	-1487814	0.088	Si
91	11.06	5.4	7.6	5.4						-753103	SLV 3	-1039152	-1374021	0.086	Si
102	7.6	5.4	7.6	5.4						-655414	SLV 3	-938016	-962923	0.078	Si
112	7.6	5.4	7.6	5.4						-558971	SLV 3	-838088	-962923	0.078	Si
132	7.6	5.4	7.6	5.4						-370686	SLV 3	-641849	-962923	0.078	Si
152	7.6	5.4	10.57	5.4	-70366	SLV 5	144272	1314974	0.084	-271505	SLV 11	-450792	-963301	0.079	Si
173	7.6	5.4	7.6	5.4	65260	SLV 1	326327	962923	0.078	-235380	SLV 15	-305171	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	248540	SLV 1	504898	962923	0.078	-254929	SLV 15	-291258	-962923	0.078	Si
213	7.6	5.4	7.6	5.4	428682	SLV 1	679672	962923	0.078	-279362	SLV 15	-321790	-962923	0.078	Si
234	7.6	5.4	7.6	5.4	605108	SLV 1	850554	962923	0.078	-308099	SLV 15	-356450	-962923	0.078	Si
244	7.6	5.4	9.43	5.4	691876	SLV 1	934520	1179751	0.082	-324031	SLV 15	-375314	-963178	0.079	Si
264	7.6	5.4	10.8	5.4	862483	SLV 1	1031836	1342401	0.085	-358980	SLV 15	-398703	-963323	0.079	Si
285	7.6	5.4	11.4	5.4	1031836	SLV 1	1031836	1414576	0.086	-398703	SLV 15	-398703	-963377	0.08	Si
305	7.6	5.4	11.4	5.4	1191862	SLV 1	1112930	1414576	0.086	-441108	SLV 15	-419063	-963377	0.08	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-1272057	SLD 3	-1191200	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-1114361	SLD 3	-1114361	-1865528	0.096	Si
41	15.21	5.4	7.6	5.4						-955867	SLD 3	-1114361	-1865528	0.096	Si
61	13.94	5.4	7.6	5.4						-804422	SLD 3	-1022369	-1715250	0.093	Si
81	12.02	5.4	7.6	5.4						-657380	SLD 3	-869018	-1487814	0.088	Si
91	11.06	5.4	7.6	5.4						-585496	SLD 3	-794004	-1374021	0.086	Si
102	7.6	5.4	7.6	5.4						-514705	SLD 3	-720090	-962923	0.078	Si
112	7.6	5.4	7.6	5.4						-445023	SLD 3	-647269	-962923	0.078	Si
132	7.6	5.4	7.6	5.4						-309366	SLD 3	-504904	-962923	0.078	Si
152	7.6	5.4	10.57	5.4	-126443	SLD 5	36273	1314974	0.084	-215428	SLD 11	-367064	-963301	0.079	Si
173	7.6	5.4	7.6	5.4	-18538	SLD 1	161500	962923	0.078	-151582	SLD 15	-251609	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	108195	SLD 1	282948	962923	0.078	-114584	SLD 15	-175061	-962923	0.078	Si
213	7.6	5.4	7.6	5.4	231300	SLD 1	400479	962923	0.078	-81979	SLD 15	-129976	-962923	0.078	Si
234	7.6	5.4	7.6	5.4	350522	SLD 1	514051	962923	0.078	-53513	SLD 15	-95538	-962923	0.078	Si
244	7.6	5.4	9.43	5.4	408655	SLD 1	569346	1179751	0.082	-40810	SLD 15	-79905	-963178	0.079	Si
264	7.6	5.4	10.8	5.4	521948	SLD 1	633006	1342401	0.085	-18446	SLD 15	-51726	-963323	0.079	Si
285	7.6	5.4	11.4	5.4	633006	SLD 1	633006	1414576	0.086	127	SLD 15	-27270	-963377	0.08	Si
305	7.6	5.4	11.4	5.4	736590	SLD 1	685812	1414576	0.086						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.94	0	8698	SLU 36	8698	10795	68363	0	10795	1	Si
10	0	12.98	0	8541	SLU 36	8541	10542	68363	0	10542	1	Si
20	0.115	12.02	0	8390	SLU 36	8390	10276	68363	13338	13338	1	Si
41	0.115	7.6	0	8072	SLU 36	8072	8821	68363	13338	13338	1	Si
61	0.115	7.6	0	7759	SLU 36	7759	8821	68363	13338	13338	1	Si
81	0.115	7.6	0	7445	SLU 36	7445	8821	68363	13338	13338	1	Si
91	0.105	7.6	0	7289	SLU 36	7289	8821	68363	12138	12138	1	Si
112	0.105	7.6	0	6976	SLU 36	6976	8821	68363	12138	12138	1	Si
132	0.105	7.6	0	6684	SLU 30	6684	8821	68363	12138	12138	1	Si
152	0.105	7.6	0	6417	SLU 30	6417	8821	68363	12138	12138	1	Si
173	0.105	7.6	0	6149	SLU 30	6149	8821	68363	12138	12138	1	Si
193	0.105	7.6	0	5882	SLU 30	5882	8821	68363	12138	12138	1	Si
213	0.105	10.57	0	5614	SLU 30	5614	9843	68363	12138	12138	1	Si
234	0.101	7.6	0	5347	SLU 30	5347	8821	68363	11671	11671	1	Si
244	0.101	7.6	0	5213	SLU 30	5213	8821	68363	11671	11671	1	Si
264	0.101	7.6	0	4946	SLU 30	4946	8821	68363	11671	11671	1	Si
285	0.101	7.6	0	4674	SLU 30	4674	8821	68363	11671	11671	1	Si
305	0	9.43	0	4411	SLU 30	4411	9476	68363	0	9476	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.94	0	10874	SLV 1	12193	10795	68363	0	10795	1	Si
0	0	13.94	0	729	SLV 15	-590	-10795	-68363	0	-10795	1	Si
10	0	12.98	0	10775	SLV 1	12094	10542	68363	0	10542	1	Si
10	0	12.98	0	630	SLV 15	-689	-10542	-68363	0	-10542	1	Si
20	0.115	12.02	0	10680	SLV 1	11999	10276	68363	13338	13338	1	Si
20	0.115	12.02	0	535	SLV 15	-784	-10276	-68363	-13338	-13338	1	Si
41	0.115	7.6	0	10479	SLV 1	11798	8821	68363	13338	13338	1	Si
41	0.115	7.6	0	334	SLV 15	-985	-8821	-68363	-13338	-13338	1	Si
61	0.115	7.6	0	10282	SLV 1	11601	8821	68363	13338	13338	1	Si
61	0.115	7.6	0	137	SLV 15	-1182	-8821	-68363	-13338	-13338	1	Si
81	0.115	7.6	0	10085	SLV 1	11404	8821	68363	13338	13338	1	Si
81	0.115	7.6	0	-60	SLV 15	-1379	-8821	-68363	-13338	-13338	1	Si
91	0.105	7.6	0	9986	SLV 1	11305	8821	68363	12138	12138	1	Si
91	0.105	7.6	0	-159	SLV 15	-1478	-8821	-68363	-12138	-12138	1	Si
112	0.105	7.6	0	9789	SLV 1	11108	8821	68363	12138	12138	1	Si
112	0.105	7.6	0	-356	SLV 15	-1675	-8821	-68363	-12138	-12138	1	Si
132	0.105	7.6	0	9592	SLV 1	10911	8821	68363	12138	12138	1	Si
132	0.105	7.6	0	-553	SLV 15	-1872	-8821	-68363	-12138	-12138	1	Si
152	0.105	7.6	0	9395	SLV 1	10714	8821	68363	12138	12138	1	Si
152	0.105	7.6	0	-751	SLV 15	-2070	-8821	-68363	-12138	-12138	1	Si
173	0.105	7.6	0	9197	SLV 1	10516	8821	68363	12138	12138	1	Si
173	0.105	7.6	0	-948	SLV 15	-2267	-8821	-68363	-12138	-12138	1	Si
193	0.105	7.6	0	9000	SLV 1	10319	8821	68363	12138	12138	1	Si
193	0.105	7.6	0	-1145	SLV 15	-2464	-8821	-68363	-12138	-12138	1	Si
213	0.105	10.57	0	8803	SLV 1	10122	9843	68363	12138	12138	1	Si
213	0.105	7.6	0	-1342	SLV 15	-2661	-8821	-68363	-12138	-12138	1	Si
234	0.101	7.6	0	8606	SLV 1	9925	8821	68363	11671	11671	1	Si
234	0.101	7.6	0	-1540	SLV 15	-2858	-8821	-68363	-11671	-11671	1	Si
244	0.101	7.6	0	8507	SLV 1	9826	8821	68363	11671	11671	1	Si
244	0.101	7.6	0	-1638	SLV 15	-2957	-8821	-68363	-11671	-11671	1	Si
264	0.101	7.6	0	8310	SLV 1	9629	8821	68363	11671	11671	1	Si
264	0.101	7.6	0	-1835	SLV 15	-3154	-8821	-68363	-11671	-11671	1	Si
285	0.101	7.6	0	8109	SLV 1	9428	8821	68363	11671	11671	1	Si
285	0.101	7.6	0	-2036	SLV 15	-3355	-8821	-68363	-11671	-11671	1	Si
305	0	9.43	0	7915	SLV 1	9234	9476	68363	0	9476	1	Si
305	0	7.6	0	-2230	SLV 15	-3549	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.94	0	8045	SLD 1	8045	10795	68363	0	10795	1	Si
10	0	12.98	0	7947	SLD 1	7947	10542	68363	0	10542	1	Si
20	0.115	12.02	0	7851	SLD 1	7851	10276	68363	13338	13338	1	Si
41	0.115	7.6	0	7651	SLD 1	7651	8821	68363	13338	13338	1	Si
61	0.115	7.6	0	7453	SLD 1	7453	8821	68363	13338	13338	1	Si
81	0.115	7.6	0	7256	SLD 1	7256	8821	68363	13338	13338	1	Si
91	0.105	7.6	0	7158	SLD 1	7158	8821	68363	12138	12138	1	Si
112	0.105	7.6	0	6960	SLD 1	6960	8821	68363	12138	12138	1	Si
132	0.105	7.6	0	6763	SLD 1	6763	8821	68363	12138	12138	1	Si
152	0.105	7.6	0	6566	SLD 1	6566	8821	68363	12138	12138	1	Si
173	0.105	7.6	0	6369	SLD 1	6369	8821	68363	12138	12138	1	Si
193	0.105	7.6	0	6171	SLD 1	6171	8821	68363	12138	12138	1	Si
213	0.105	10.57	0	5974	SLD 1	5974	9843	68363	12138	12138	1	Si
234	0.101	7.6	0	5777	SLD 1	5777	8821	68363	11671	11671	1	Si
244	0.101	7.6	0	5678	SLD 1	5678	8821	68363	11671	11671	1	Si
264	0.101	7.6	0	5481	SLD 1	5481	8821	68363	11671	11671	1	Si
285	0.101	7.6	0	5281	SLD 1	5281	8821	68363	11671	11671	1	Si
305	0	9.43	0	5087	SLD 1	5087	9476	68363	0	9476	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1008367	3	-946710	33.1	124.5	1073	1837	-942839	2	-884842	30.9	93.4	0	+∞	Si
20	-886977	3	-886977	31	124.5	1005.3	1837	-828769	2	-828769	29	93.4	0	+∞	Si
41	-765584	3	-886977	31	124.5	1005.3	1837	-714940	2	-828769	29	93.4	0	+∞	Si
61	-650208	3	-816450	29.4	124.5	1005.9	1837	-607007	2	-762609	27.5	93.4	0	+∞	Si
81	-538843	3	-699351	26.5	124.5	993.2	1837	-503084	2	-652952	24.8	93.4	0	+∞	Si
91	-484664	3	-642306	25.1	124.5	988.1	1837	-452626	2	-599628	23.4	93.4	0	+∞	Si
112	-379315	3	-531223	13.8	124.5	207.6	1837	-354719	2	-495987	22.2	93.4	0	+∞	Si
132	-278211	2	-424150	11.1	124.5	165.8	1837	-260822	2	-396356	17.8	93.4	0	+∞	Si
152	-182762	2	-321087	8	124.5	123.5	1837	-170936	2	-300736	12.9	93.4	0	+∞	Si
173	-91323	2	-223343	5.8	124.5	87.3	1837	-85060	2	-209127	9.4	93.4	0	+∞	Si
193	19581	8	135293	3.5	124.5	52.9	1837								Si
193	-3895	2	-130181	3.4	124.5	50.9	1837	-3195	2	-121528	5.5	93.4	0	+∞	Si
213	101192	9	211509	5.5	124.5	82.7	1837	74660	2	178941	8	93.4	0	+∞	Si
234	179399	9	283096	7.4	124.5	110.7	1837	148505	2	247052	11.1	93.4	0	+∞	Si
244	216765	9	317152	13.1	124.5	569.3	1837	183923	2	279603	11.6	93.4	0	+∞	Si
264	288026	9	355691	14	124.5	560.2	1837	251751	2	316566	12.5	93.4	0	+∞	Si
285	355691	9	355691	13.7	124.5	531.4	1837	316566	2	316566	12.2	93.4	0	+∞	Si
305	421483	3	389380	15	124.5	581.7	1837	375377	2	346934	13.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.008	1	9999	Si
41	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.012	1	-0.013	1	9999	Si
61	-0.006	-0.008	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.015	1	-0.017	1	9999	Si
81	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.017	1	-0.019	1	9999	Si
91	-0.007	-0.009	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.017	1	-0.019	1	9999	Si
102	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.017	1	-0.019	1	9999	Si
112	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.017	1	-0.019	1	9999	Si
132	-0.006	-0.008	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.016	1	-0.017	1	9999	Si
152	-0.005	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.014	1	-0.015	1	9999	Si
173	-0.004	-0.006	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.013	1	9999	Si
193	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
213	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
234	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
244	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
264	0	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
285	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	5607	6392	13338	SLV 1	0.44	1146	1.215	-828769	-645740	-1865528	SLV 3	0.57	2439	1.657	Si
41	5407	6392	13338	SLV 1	0.45	1227	1.25	-828769	-645740	-1865528	SLV 3	0.57	2439	1.657	Si
61	5210	6392	13338	SLV 1	0.46	1309	1.284	-762609	-587340	-1715250	SLV 3	0.57	2474	1.666	Si
81	5012	6392	13338	SLV 1	0.47	1395	1.318	-652952	-488560	-1487814	SLV 3	0.57	2474	1.666	Si
91	4914	6392	12138	SLV 1	0.41	959	1.13	-599628	-439525	-1374021	SLV 3	0.57	2474	1.666	Si
112	4716	6392	12138	SLV 1	0.42	1029	1.163	-495987	-342102	-962923	SLV 3	0.49	1579	1.386	Si
132	4519	6392	12138	SLV 1	0.43	1103	1.197	-396356	-245493	-962923	SLV 3	0.57	2474	1.666	Si
152	4322	6392	12138	SLV 1	0.44	1180	1.23	-300736	-150056	-963301	SLV 3	0.57	2474	1.666	Si
173	4125	6392	12138	SLV 1	0.45	1260	1.264	30688	295639	962923	SLV 1	0.57	2474	1.666	Si
193	3928	6392	12138	SLV 1	0.46	1344	1.298	106820	398078	962923	SLV 1	0.57	2474	1.666	Si
213	3730	6392	12138	SLV 1	0.47	1431	1.331	178941	500731	962923	SLV 1	0.56	2280	1.612	Si
234	3533	6392	11671	SLV 1	0.46	1313	1.285	247052	603502	962923	SLV 1	0.43	1089	1.19	Si
244	3434	6392	11671	SLV 1	0.46	1355	1.302	279603	654917	1179751	SLV 1	0.49	1609	1.397	Si
264	3237	6392	11671	SLV 1	0.47	1443	1.336	316566	715270	1342401	SLV 1	0.51	1803	1.464	Si
285	3037	6392	11671	SLV 1	0.48	1536	1.371	316566	715270	1414576	SLV 1	0.55	2163	1.577	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	5607	2244	13338	SLD 1	0.46	1324	3.245	-828769	-285592	-1865528	SLD 3	0.48	1522	3.436	Si
41	5407	2244	13338	SLD 1	0.47	1418	3.337	-828769	-285592	-1865528	SLD 3	0.48	1522	3.436	Si
61	5210	2244	13338	SLD 1	0.48	1513	3.427	-762609	-259760	-1715250	SLD 3	0.49	1564	3.474	Si
81	5012	2244	13338	SLD 1	0.49	1613	3.518	-652952	-216066	-1487814	SLD 3	0.51	1798	3.679	Si
91	4914	2244	12138	SLD 1	0.43	1106	3.014	-599628	-194377	-1374021	SLD 3	0.53	1951	3.804	Si
112	4716	2244	12138	SLD 1	0.44	1189	3.105	-495987	-151283	-962923	SLD 3	0.41	987	2.877	Si
132	4519	2244	12138	SLD 1	0.45	1274	3.194	-396356	-108548	-962923	SLD 3	0.6	2474	4.193	Si
152	4322	2244	12138	SLD 1	0.46	1363	3.284	-300736	-66328	-963301	SLD 3	0.6	2474	4.193	Si
173	4125	2244	12138	SLD 1	0.48	1457	3.375	30688	130812	962923	SLD 1	0.6	2474	4.193	Si
193	3928	2244	12138	SLD 1	0.49	1555	3.466	106820	176128	962923	SLD 1	0.6	2474	4.193	Si
213	3730	2244	12138	SLD 1	0.5	1656	3.557	178941	221538	962923	SLD 1	0.47	1422	3.341	Si
234	3533	2244	11671	SLD 1	0.48	1517	3.431	247052	266999	962923	SLD 1	0.36	699	2.497	Si
244	3434	2244	11671	SLD 1	0.49	1568	3.478	279603	289743	1179751	SLD 1	0.42	1004	2.897	Si
264	3237	2244	11671	SLD 1	0.5	1670	3.569	316566	316440	1342401	SLD 1	0.43	1128	3.039	Si
285	3037	2244	11671	SLD 1	0.51	1778	3.662	316566	316440	1414576	SLD 1	0.46	1349	3.27	Si

Campata 10 tra i fili 23 - 24, sezione R 40x70, asta 1222

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	199931	SLU 36	199931	1414576	0.086						Si
17	7.6	5.4	11.4	5.4	216613	SLU 36	216613	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	218805	SLU 36	235446	1414576	0.086						Si
34	7.6	5.4	11.22	5.4	228756	SLU 36	238956	1393034	0.086						Si
51	7.6	5.4	10.07	5.4	236361	SLU 36	241275	1255747	0.083						Si
60	7.6	5.4	9.49	5.4	238462	SLU 36	241325	1187085	0.082						Si
69	7.6	5.4	7.6	5.4	240194	SLU 30	241325	962923	0.078						Si
77	7.6	5.4	7.6	5.4	241244	SLU 30	241325	962923	0.078						Si
94	7.6	5.4	7.6	5.4	240437	SLU 30	241325	962923	0.078						Si
112	7.6	5.4	7.6	5.4	235754	SLU 30	241325	962923	0.078						Si
129	7.6	5.4	7.6	5.4	227197	SLU 30	239298	962923	0.078						Si
146	7.6	5.4	7.6	5.4	214763	SLU 30	233428	962923	0.078						Si
163	7.6	5.4	7.6	5.4	198455	SLU 30	223682	962923	0.078						Si
180	7.6	5.4	7.6	5.4	178600	SLU 12	210060	962923	0.078	41152	SLU 19	-9910	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
197	11.43	5.4	7.6	5.4	159987	SLU 11	192564	963379	0.08	12724	SLU 26	-45752	-1417280	0.086	Si
206	12.24	5.4	7.6	5.4	149636	SLU 11	182362	963446	0.08	-3319	SLU 26	-65166	-1513348	0.088	Si
223	13.85	5.4	7.6	5.4	126493	SLU 11	163676	963557	0.08	-38391	SLU 26	-70835	-1705366	0.092	Si
237	15.21	5.4	7.6	5.4	104584	SLU 11	146476	963633	0.08	-70835	SLU 26	-70835	-1865528	0.096	Si
240	15.21	5.4	7.6	5.4	100092	SLU 11	100092	963633	0.08	-77445	SLU 26	-77029	-1865528	0.096	Si
257	15.21	5.4	7.6	5.4	70436	SLU 11	70436	963633	0.08	-120480	SLU 26	-94362	-1865528	0.096	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	443708	SLV 9	436611	1414576	0.086	-243407	SLV 7	-219895	-963377	0.08	Si
17	7.6	5.4	11.4	5.4	437391	SLV 9	436246	1414576	0.086	-211500	SLV 7	-210179	-963377	0.08	Si
20	7.6	5.4	11.4	5.4	436115	SLV 9	436115	1414576	0.086	-206708	SLV 7	-206708	-963377	0.08	Si
34	7.6	5.4	11.22	5.4	429354	SLV 9	436115	1393034	0.086	-183588	SLV 7	-206708	-963363	0.079	Si
51	7.6	5.4	10.07	5.4	421605	SLV 9	435021	1255747	0.083	-161684	SLV 7	-202598	-963250	0.079	Si
60	7.6	5.4	9.49	5.4	420020	SLV 9	439181	1187085	0.082	-155165	SLV 7	-188769	-963186	0.079	Si
77	7.6	5.4	7.6	5.4	428045	SLV 5	455999	962923	0.078	-157609	SLV 11	-189320	-962923	0.078	Si
94	7.6	5.4	7.6	5.4	444381	SLV 5	471483	962923	0.078	-174081	SLV 11	-214622	-962923	0.078	Si
112	7.6	5.4	7.6	5.4	461000	SLV 5	505915	962923	0.078	-196554	SLV 11	-264590	-962923	0.078	Si
129	7.6	5.4	7.6	5.4	475886	SLV 5	561140	962923	0.078	-223011	SLV 11	-341068	-962923	0.078	Si
146	7.6	5.4	7.6	5.4	523151	SLV 1	613986	962923	0.078	-287564	SLV 15	-420882	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	577679	SLV 1	664287	962923	0.078	-365097	SLV 15	-503871	-962923	0.078	Si
180	7.6	5.4	7.6	5.4	629760	SLV 1	711956	962923	0.078	-445902	SLV 15	-589944	-962923	0.078	Si
197	11.43	5.4	7.6	5.4	679264	SLV 1	756940	963379	0.08	-529845	SLV 15	-679050	-1417280	0.086	Si
206	12.24	5.4	7.6	5.4	703024	SLV 1	778415	963446	0.08	-572970	SLV 15	-724729	-1513348	0.088	Si
223	13.85	5.4	7.6	5.4	748532	SLV 1	784376	963557	0.08	-661493	SLV 15	-737791	-1705366	0.092	Si
237	15.21	5.4	7.6	5.4	784376	SLV 1	784376	963633	0.08	-737791	SLV 15	-737791	-1865528	0.096	Si
240	15.21	5.4	7.6	5.4	791327	SLV 1	791084	963633	0.08	-753020	SLV 15	-752266	-1865528	0.096	Si
257	15.21	5.4	7.6	5.4	831385	SLV 1	809856	963633	0.08	-847528	SLV 15	-792774	-1865528	0.096	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	252137	SLD 9	252137	1414576	0.086	-51836	SLD 7	-36862	-963377	0.08	Si
17	7.6	5.4	11.4	5.4	256476	SLD 9	256018	1414576	0.086	-30584	SLD 7	-29952	-963377	0.08	Si
20	7.6	5.4	11.4	5.4	256891	SLD 9	258911	1414576	0.086	-27483	SLD 7	-27483	-963377	0.08	Si
34	7.6	5.4	11.22	5.4	258455	SLD 9	260391	1393034	0.086	-12690	SLD 7	-27483	-963363	0.079	Si
51	7.6	5.4	10.07	5.4	258966	SLD 9	266194	1255747	0.083	956	SLD 7	-24823	-963250	0.079	Si
60	7.6	5.4	9.49	5.4	259641	SLD 9	269813	1187085	0.082	5215	SLD 7	-15978	-963186	0.079	Si
77	7.6	5.4	7.6	5.4	264776	SLD 5	276119	962923	0.078	5661	SLD 11	-9440	-962923	0.078	Si
94	7.6	5.4	7.6	5.4	271984	SLD 5	280234	962923	0.078	-1684	SLD 11	-23374	-962923	0.078	Si
112	7.6	5.4	7.6	5.4	277711	SLD 5	291148	962923	0.078	-13265	SLD 11	-49822	-962923	0.078	Si
129	7.6	5.4	7.6	5.4	281071	SLD 5	309659	962923	0.078	-28196	SLD 11	-89586	-962923	0.078	Si
146	7.6	5.4	7.6	5.4	297175	SLD 1	325520	962923	0.078	-61588	SLD 15	-132417	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	314887	SLD 1	338661	962923	0.078	-102306	SLD 15	-178245	-962923	0.078	Si
180	7.6	5.4	7.6	5.4	329922	SLD 1	349043	962923	0.078	-146063	SLD 15	-227031	-962923	0.078	Si
197	11.43	5.4	7.6	5.4	342221	SLD 1	356642	963379	0.08	-192802	SLD 15	-278751	-1417280	0.086	Si
206	12.24	5.4	7.6	5.4	347334	SLD 1	359393	963446	0.08	-217279	SLD 15	-305707	-1513348	0.088	Si
223	13.85	5.4	7.6	5.4	355473	SLD 1	360050	963557	0.08	-268433	SLD 15	-313465	-1705366	0.092	Si
237	15.21	5.4	7.6	5.4	360050	SLD 1	360050	963633	0.08	-313465	SLD 15	-313465	-1865528	0.096	Si
240	15.21	5.4	7.6	5.4	360817	SLD 1	360817	963633	0.08	-322511	SLD 15	-322034	-1865528	0.096	Si
257	15.21	5.4	7.6	5.4	363356	SLD 1	363095	963633	0.08	-379500	SLD 15	-346013	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1219	SLU 34	1219	8821	68363	0	8821	1	Si
17	0	7.6	0	971	SLU 29	971	8821	68363	0	8821	1	Si
20	0.06	7.6	0	934	SLU 29	934	8821	68363	6976	8821	1	Si
34	0.06	7.6	0	745	SLU 29	745	8821	68363	6976	8821	1	Si
51	0.06	7.6	0	519	SLU 29	519	8821	68363	6976	8821	1	Si
60	0.06	7.6	0	406	SLU 29	406	8821	68363	6976	8821	1	Si
60	0.06	7.6	0	-57	SLU 4	-57	-8821	-68363	-6976	-8821	1	Si
77	0.06	7.6	0	200	SLU 20	200	8821	68363	6976	8821	1	Si
77	0.06	7.6	0	-234	SLU 13	-234	-8821	-68363	-6976	-8821	1	Si
94	0.06	7.6	0	32	SLU 2	32	8821	68363	6976	8821	1	Si
94	0.06	7.6	0	-472	SLU 35	-472	-8821	-68363	-6976	-8821	1	Si
112	0.06	7.6	0	-736	SLU 35	-736	-8821	-68363	-6976	-8821	1	Si
129	0.06	7.6	0	-1000	SLU 35	-1000	-8821	-68363	-6976	-8821	1	Si
146	0.06	7.6	0	-1265	SLU 35	-1265	-8821	-68363	-6976	-8821	1	Si
163	0.06	7.6	0	-1529	SLU 35	-1529	-8821	-68363	-6976	-8821	1	Si
180	0.06	7.6	0	-1793	SLU 35	-1793	-8821	-68363	-6976	-8821	1	Si
197	0.06	7.6	0	-2058	SLU 35	-2058	-8821	-68363	-6976	-8821	1	Si
206	0.06	7.6	0	-2190	SLU 35	-2190	-8821	-68363	-6976	-8821	1	Si
223	0.06	7.6	0	-2454	SLU 35	-2454	-8821	-68363	-6976	-8821	1	Si
237	0.06	7.6	0	-2675	SLU 35	-2675	-8821	-68363	-6976	-8821	1	Si
240	0	7.6	0	-2719	SLU 35	-2719	-8821	-68363	0	-8821	1	Si
249	0	7.6	0	-2851	SLU 35	-2851	-8821	-68363	0	-8821	1	Si
257	0	10.62	0	-2983	SLU 35	-2983	-9859	-68363	0	-9859	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4852	SLV 1	5898	8821	68363	0	8821	1	Si
0	0	7.6	0	-3195	SLV 15	-4241	-8821	-68363	0	-8821	1	Si
17	0	7.6	0	4685	SLV 1	5731	8821	68363	0	8821	1	Si
17	0	7.6	0	-3361	SLV 15	-4407	-8821	-68363	0	-8821	1	Si
20	0.06	7.6	0	4658	SLV 1	5704	8821	68363	6976	8821	1	Si
20	0.06	7.6	0	-3389	SLV 15	-4435	-8821	-68363	-6976	-8821	1	Si
34	0.06	7.6	0	4519	SLV 1	5565	8821	68363	6976	8821	1	Si
34	0.06	7.6	0	-3528	SLV 15	-4574	-8821	-68363	-6976	-8821	1	Si
51	0.06	7.6	0	4352	SLV 1	5398	8821	68363	6976	8821	1	Si
51	0.06	7.6	0	-3694	SLV 15	-4740	-8821	-68363	-6976	-8821	1	Si
60	0.06	7.6	0	4269	SLV 1	5315	8821	68363	6976	8821	1	Si
60	0.06	7.6	0	-3777	SLV 15	-4823	-8821	-68363	-6976	-8821	1	Si
77	0.06	7.6	0	4102	SLV 1	5149	8821	68363	6976	8821	1	Si
77	0.06	7.6	0	-3944	SLV 15	-4990	-8821	-68363	-6976	-8821	1	Si
94	0.06	7.6	0	3936	SLV 1	4982	8821	68363	6976	8821	1	Si
94	0.06	7.6	0	-4110	SLV 15	-5156	-8821	-68363	-6976	-8821	1	Si
112	0.06	7.6	0	3769	SLV 1	4815	8821	68363	6976	8821	1	Si
112	0.06	7.6	0	-4277	SLV 15	-5323	-8821	-68363	-6976	-8821	1	Si
129	0.06	7.6	0	3603	SLV 1	4649	8821	68363	6976	8821	1	Si
129	0.06	7.6	0	-4443	SLV 15	-5490	-8821	-68363	-6976	-8821	1	Si
146	0.06	7.6	0	3436	SLV 1	4482	8821	68363	6976	8821	1	Si
146	0.06	7.6	0	-4610	SLV 15	-5656	-8821	-68363	-6976	-8821	1	Si
163	0.06	7.6	0	3270	SLV 1	4316	8821	68363	6976	8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
163	0.06	7.6	0	-4777	SLV 15	-5823	-8821	-68363	-6976	-8821	1	Si
180	0.06	7.6	0	3103	SLV 1	4149	8821	68363	6976	8821	1	Si
180	0.06	7.6	0	-4943	SLV 15	-5989	-8821	-68363	-6976	-8821	1	Si
197	0.06	7.6	0	2937	SLV 1	3983	8821	68363	6976	8821	1	Si
197	0.06	7.6	0	-5110	SLV 15	-6156	-8821	-68363	-6976	-8821	1	Si
206	0.06	7.6	0	2854	SLV 1	3900	8821	68363	6976	8821	1	Si
206	0.06	7.6	0	-5193	SLV 15	-6239	-8821	-68363	-6976	-8821	1	Si
223	0.06	7.6	0	2687	SLV 1	3733	8821	68363	6976	8821	1	Si
223	0.06	7.6	0	-5359	SLV 15	-6405	-8821	-68363	-6976	-8821	1	Si
237	0.06	7.6	0	2548	SLV 1	3594	8821	68363	6976	8821	1	Si
237	0.06	7.6	0	-5498	SLV 15	-6544	-8821	-68363	-6976	-8821	1	Si
240	0	7.6	0	2521	SLV 1	3567	8821	68363	0	8821	1	Si
240	0	7.6	0	-5526	SLV 15	-6572	-8821	-68363	0	-8821	1	Si
249	0	7.6	0	2437	SLV 1	3483	8821	68363	0	8821	1	Si
249	0	7.6	0	-5609	SLV 15	-6655	-8821	-68363	0	-8821	1	Si
257	0	7.6	0	2354	SLV 1	3400	8821	68363	0	8821	1	Si
257	0	10.62	0	-5692	SLV 15	-6738	-9859	-68363	0	-9859	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2608	SLD 1	2608	8821	68363	0	8821	1	Si
0	0	7.6	0	-951	SLD 15	-951	-8821	-68363	0	-8821	1	Si
17	0	7.6	0	2442	SLD 1	2442	8821	68363	0	8821	1	Si
17	0	7.6	0	-1118	SLD 15	-1118	-8821	-68363	0	-8821	1	Si
20	0.06	7.6	0	2414	SLD 1	2414	8821	68363	6976	8821	1	Si
20	0.06	7.6	0	-1145	SLD 15	-1145	-8821	-68363	-6976	-8821	1	Si
34	0.06	7.6	0	2275	SLD 1	2275	8821	68363	6976	8821	1	Si
34	0.06	7.6	0	-1284	SLD 15	-1284	-8821	-68363	-6976	-8821	1	Si
51	0.06	7.6	0	2109	SLD 1	2109	8821	68363	6976	8821	1	Si
51	0.06	7.6	0	-1451	SLD 15	-1451	-8821	-68363	-6976	-8821	1	Si
60	0.06	7.6	0	2025	SLD 1	2025	8821	68363	6976	8821	1	Si
60	0.06	7.6	0	-1534	SLD 15	-1534	-8821	-68363	-6976	-8821	1	Si
77	0.06	7.6	0	1859	SLD 1	1859	8821	68363	6976	8821	1	Si
77	0.06	7.6	0	-1700	SLD 15	-1700	-8821	-68363	-6976	-8821	1	Si
94	0.06	7.6	0	1692	SLD 1	1692	8821	68363	6976	8821	1	Si
94	0.06	7.6	0	-1867	SLD 15	-1867	-8821	-68363	-6976	-8821	1	Si
112	0.06	7.6	0	1526	SLD 1	1526	8821	68363	6976	8821	1	Si
112	0.06	7.6	0	-2033	SLD 15	-2033	-8821	-68363	-6976	-8821	1	Si
129	0.06	7.6	0	1359	SLD 1	1359	8821	68363	6976	8821	1	Si
129	0.06	7.6	0	-2200	SLD 15	-2200	-8821	-68363	-6976	-8821	1	Si
146	0.06	7.6	0	1193	SLD 1	1193	8821	68363	6976	8821	1	Si
146	0.06	7.6	0	-2366	SLD 15	-2366	-8821	-68363	-6976	-8821	1	Si
163	0.06	7.6	0	1026	SLD 1	1026	8821	68363	6976	8821	1	Si
163	0.06	7.6	0	-2533	SLD 15	-2533	-8821	-68363	-6976	-8821	1	Si
180	0.06	7.6	0	860	SLD 1	860	8821	68363	6976	8821	1	Si
180	0.06	7.6	0	-2699	SLD 15	-2699	-8821	-68363	-6976	-8821	1	Si
197	0.06	7.6	0	693	SLD 1	693	8821	68363	6976	8821	1	Si
197	0.06	7.6	0	-2866	SLD 15	-2866	-8821	-68363	-6976	-8821	1	Si
206	0.06	7.6	0	610	SLD 1	610	8821	68363	6976	8821	1	Si
206	0.06	7.6	0	-2949	SLD 15	-2949	-8821	-68363	-6976	-8821	1	Si
223	0.06	7.6	0	443	SLD 1	443	8821	68363	6976	8821	1	Si
223	0.06	7.6	0	-3116	SLD 15	-3116	-8821	-68363	-6976	-8821	1	Si
237	0.06	7.6	0	304	SLD 1	304	8821	68363	6976	8821	1	Si
237	0.06	7.6	0	-3255	SLD 15	-3255	-8821	-68363	-6976	-8821	1	Si
240	0	7.6	0	277	SLD 1	277	8821	68363	0	8821	1	Si
240	0	7.6	0	-3282	SLD 15	-3282	-8821	-68363	0	-8821	1	Si
249	0	7.6	0	194	SLD 1	194	8821	68363	0	8821	1	Si
249	0	7.6	0	-3366	SLD 15	-3366	-8821	-68363	0	-8821	1	Si
257	0	7.6	0	110	SLD 1	110	8821	68363	0	8821	1	Si
257	0	10.62	0	-3449	SLD 15	-3449	-9859	-68363	0	-9859	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	134398	9	134398	5.2	124.5	200.8	1837	100150	2	100150	3.9	93.4	0	+∞	Si
17	146706	9	146706	5.7	124.5	219.2	1837	112946	2	112946	4.4	93.4	0	+∞	Si
20	148329	9	160729	6.2	124.5	240.1	1837	114704	2	129060	5	93.4	0	+∞	Si
34	155713	9	163422	6.3	124.5	247.9	1837	122883	2	133106	5.2	93.4	0	+∞	Si
51	161420	9	165139	6.7	124.5	278.2	1837	129961	2	135343	5.5	93.4	0	+∞	Si
60	163036	9	165177	6.8	124.5	294.6	1837	132428	2	135541	5.6	93.4	0	+∞	Si
77	165114	3	165177	4.3	124.5	64.6	1837	135218	2	135541	6.1	93.4	0	+∞	Si
94	164525	3	165177	4.3	124.5	64.6	1837	135150	2	135541	6.1	93.4	0	+∞	Si
112	161078	3	165177	4.3	124.5	64.6	1837	132223	2	135541	6.1	93.4	0	+∞	Si
129	154772	3	163687	4.3	124.5	64	1837	126437	2	134472	6	93.4	0	+∞	Si
146	145607	3	159363	4.2	124.5	62.3	1837	117793	2	130668	5.9	93.4	0	+∞	Si
163	133583	3	152181	4	124.5	59.5	1837	106291	2	124006	5.6	93.4	0	+∞	Si
180	118701	3	142139	3.7	124.5	55.6	1837	91929	2	114486	5.1	93.4	0	+∞	Si
197	102040	2	129240	3.2	124.5	49.5	1837	74709	2	102107	4.3	93.4	0	+∞	Si
206	92755	2	121718	3	124.5	46.4	1837	65027	2	94845	4	93.4	0	+∞	Si
223	72041	2	105355	2.5	124.5	39.9	1837	43520	2	78178	3.2	93.4	0	+∞	Si
223	-12963	8	-39537	1.4	124.5	49	1837								Si
237	52477	2	89924	2.1	124.5	33.8	1837	23293	2	62084	2.5	93.4	0	+∞	Si
237	-39537	8	-39537	1.4	124.5	44.8	1837	-20484	1	-20484	0.7	93.4	0	+∞	Si
240	48469	2	48469	1.1	124.5	18.2	1837	19153	2	19153	0.8	93.4	0	+∞	Si
240	-44953	8	-44613	1.6	124.5	50.6	1837	-24820	1	-24550	0.9	93.4	0	+∞	Si
257	22038	2	22038	0.5	124.5	8.3	1837								Si
257	-80245	8	-58817	2.1	124.5	66.7	1837	-53237	1	-35930	1.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
17	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
20	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
34	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
51	0.003	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.005	2	0.003	2	9999	Si
60	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.005	2	0.004	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
77	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.004	2	9999	Si
94	0.004	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
112	0.004	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.007	2	0.005	2	9999	Si
120	0.004	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.007	2	0.005	2	9999	Si
129	0.004	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.007	2	0.005	2	9999	Si
146	0.004	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.006	2	0.004	2	9999	Si
163	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.004	2	9999	Si
180	0.003	0.002	0.003	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.005	2	0.003	2	9999	Si
197	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.004	2	0.003	2	9999	Si
206	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.004	2	0.002	2	9999	Si
223	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.001	2	9999	Si
237	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.001	2	0.001	2	9999	Si
240	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.001	2	0.001	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	635	5069	8821	SLV 1	0.57	2474	1.666	114704	-321411	-963377	SLV 7	0.57	2474	1.666	Si
34	496	5069	8821	SLV 1	0.57	2474	1.666	114704	-321411	-963363	SLV 7	0.57	2474	1.666	Si
51	329	5069	8821	SLV 1	0.57	2474	1.666	116212	-318809	-963250	SLV 7	0.57	2474	1.666	Si
60	246	5069	8821	SLV 1	0.57	2474	1.666	121099	309868	1187085	SLV 9	0.57	2474	1.666	Si
77	79	5069	8821	SLV 1	0.57	2474	1.666	133339	322660	962923	SLV 5	0.57	2474	1.666	Si
94	-87	-5069	-8821	SLV 15	0.57	2474	1.666	128430	343052	962923	SLV 5	0.57	2474	1.666	Si
112	-254	-5069	-8821	SLV 15	0.57	2474	1.666	120663	385252	962923	SLV 1	0.57	2474	1.666	Si
129	-420	-5069	-8821	SLV 15	0.57	2474	1.666	110036	451104	962923	SLV 1	0.57	2474	1.666	Si
146	-587	-5069	-8821	SLV 15	0.57	2474	1.666	96552	517434	962923	SLV 1	0.57	2474	1.666	Si
163	-753	-5069	-8821	SLV 15	0.57	2382	1.641	80208	584079	962923	SLV 1	0.54	2074	1.55	Si
180	-920	-5069	-8821	SLV 15	0.55	2252	1.603	61006	650950	962923	SLV 1	0.5	1644	1.409	Si
197	-1086	-5069	-8821	SLV 15	0.54	2128	1.567	38945	717995	963379	SLV 1	0.46	1352	1.301	Si
206	-1170	-5069	-8821	SLV 15	0.54	2067	1.548	26843	751572	963446	SLV 1	0.45	1240	1.255	Si
223	-1336	-5069	-8821	SLV 15	0.53	1949	1.511	23293	761083	963557	SLV 1	0.45	1212	1.244	Si
237	-1475	-5069	-8821	SLV 15	0.52	1853	1.48	23293	761083	963633	SLV 1	0.45	1212	1.244	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	635	1780	8821	SLD 1	0.6	2474	4.193	114704	-142187	-963377	SLD 7	0.6	2474	4.193	Si
34	496	1780	8821	SLD 1	0.6	2474	4.193	114704	-142187	-963363	SLD 7	0.6	2474	4.193	Si
51	329	1780	8821	SLD 1	0.6	2474	4.193	116212	-141035	-963250	SLD 7	0.6	2474	4.193	Si
60	246	1780	8821	SLD 1	0.6	2474	4.193	135390	134423	1187085	SLD 5	0.6	2474	4.193	Si
77	79	1780	8821	SLD 1	0.6	2474	4.193	133339	142780	962923	SLD 5	0.6	2474	4.193	Si
94	-87	-1780	-8821	SLD 15	0.6	2474	4.193	128430	151804	962923	SLD 5	0.6	2474	4.193	Si
112	-254	-1780	-8821	SLD 15	0.6	2474	4.193	120663	170485	962923	SLD 1	0.6	2474	4.193	Si
129	-420	-1780	-8821	SLD 15	0.6	2474	4.193	110036	199622	962923	SLD 1	0.56	2353	4.108	Si
146	-587	-1780	-8821	SLD 15	0.6	2474	4.193	96552	228969	962923	SLD 1	0.5	1700	3.595	Si
163	-753	-1780	-8821	SLD 15	0.6	2474	4.193	80208	258453	962923	SLD 1	0.46	1294	3.215	Si
180	-920	-1780	-8821	SLD 15	0.58	2474	4.193	61006	288037	962923	SLD 1	0.42	1026	2.923	Si
197	-1086	-1780	-8821	SLD 15	0.57	2462	4.185	38945	317696	963379	SLD 1	0.39	853	2.71	Si
206	-1170	-1780	-8821	SLD 15	0.57	2392	4.135	26843	332550	963446	SLD 1	0.38	788	2.623	Si
223	-1336	-1780	-8821	SLD 15	0.55	2256	4.037	23293	336758	963557	SLD 1	0.38	772	2.601	Si
237	-1475	-1780	-8821	SLD 15	0.55	2146	3.955	23293	336758	963633	SLD 1	0.38	772	2.601	Si

Campata 11 tra i fili 24 - 25, sezione R 40x70, asta 1223

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-342196	SLU 26	-305115	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	-20165	SLU 11	25539	963633	0.08	-270735	SLU 26	-270735	-1865528	0.096	Si
40	13.32	5.4	7.6	5.4	12314	SLU 11	51594	963522	0.08	-204678	SLU 26	-270735	-1642002	0.091	Si
60	11.43	5.4	7.6	5.4	40372	SLU 11	73228	963380	0.08	-144356	SLU 22	-234022	-1418206	0.086	Si
70	7.6	5.4	7.6	5.4	52744	SLU 11	82387	962923	0.078	-118279	SLU 22	-201794	-962923	0.078	Si
80	7.6	5.4	7.6	5.4	64011	SLU 11	90442	962923	0.078	-93328	SLU 22	-170918	-962923	0.078	Si
90	7.6	5.4	7.6	5.4	74173	SLU 11	97391	962923	0.078	-69504	SLU 22	-141931	-962923	0.078	Si
110	7.6	5.4	7.6	5.4	91181	SLU 11	109939	962923	0.078	-25232	SLU 22	-91113	-962923	0.078	Si
130	7.6	5.4	7.6	5.4	103770	SLU 11	124912	962923	0.078	14535	SLU 22	-44799	-962923	0.078	Si
150	7.6	5.4	7.6	5.4	118829	SLU 29	137761	962923	0.078	42907	SLU 4	-2989	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	132403	SLU 34	145241	962923	0.078						Si
190	7.6	5.4	7.6	5.4	142677	SLU 34	151300	962923	0.078						Si
210	7.6	5.4	7.6	5.4	147204	SLU 33	160844	962923	0.078						Si
230	7.6	5.4	7.6	5.4	156042	SLU 24	167994	962923	0.078						Si
240	7.6	5.4	7.6	5.4	161336	SLU 24	171579	962923	0.078						Si
260	7.6	5.4	7.6	5.4	168423	SLU 19	172491	962923	0.078						Si
272	7.6	5.4	7.6	5.4	172491	SLU 19	172491	962923	0.078						Si
280	7.6	5.4	7.6	5.4	174257	SLU 19	174198	962923	0.078						Si
300	7.6	5.4	7.6	5.4	175585	SLU 19	175585	962923	0.078						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	470080	SLV 9	366869	963633	0.08	-805521	SLV 7	-698525	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	443982	SLV 5	443982	963633	0.08	-690400	SLV 11	-690400	-1865528	0.096	Si
40	13.32	5.4	7.6	5.4	416237	SLV 5	443982	963522	0.08	-581392	SLV 11	-690400	-1642002	0.091	Si
60	11.43	5.4	7.6	5.4	387582	SLV 5	428961	963380	0.08	-479235	SLV 11	-630089	-1418206	0.086	Si
80	7.6	5.4	7.6	5.4	358344	SLV 5	400648	962923	0.078	-384254	SLV 11	-524754	-962923	0.078	Si
90	7.6	5.4	7.6	5.4	343421	SLV 5	386230	962923	0.078	-339370	SLV 11	-474735	-962923	0.078	Si
110	7.6	5.4	7.6	5.4	312542	SLV 5	356956	962923	0.078	-254388	SLV 11	-380080	-962923	0.078	Si
130	7.6	5.4	7.6	5.4	296718	SLV 1	339603	962923	0.078	-192223	SLV 15	-292231	-962923	0.078	Si
150	7.6	5.4	7.6	5.4	326388	SLV 1	370176	962923	0.078	-183310	SLV 15	-210501	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	355487	SLV 1	423791	962923	0.078	-181589	SLV 15	-219012	-962923	0.078	Si
190	7.6	5.4	7.6	5.4	396695	SLV 3	483336	962923	0.078	-199735	SLV 13	-266775	-962923	0.078	Si
210	7.6	5.4	7.6	5.4	456593	SLV 3	540258	962923	0.078	-244332	SLV 13	-319675	-962923	0.078	Si
230	7.6	5.4	7.6	5.4	514858	SLV 3	593950	962923	0.078	-295056	SLV 13	-377105	-962923	0.078	Si
240	7.6	5.4	7.6	5.4	542863	SLV 3	619517	962923	0.078	-322200	SLV 13	-407452	-962923	0.078	Si
260	7.6	5.4	7.6	5.4	596400	SLV 3	628040	962923	0.078	-379836	SLV 13	-418161	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	628040	SLV 3	628040	962923	0.078	-418161	SLV 13	-418161	-962923	0.078	Si
280	7.6	5.4	7.6	5.4	646498	SLV 3	644771	962923	0.078	-441794	SLV 13	-439047	-962923	0.078	Si
300	7.6	5.4	7.6	5.4	693043	SLV 3	663557	962923	0.078	-507963	SLV 13	-462498	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	114344	SLD 9	81887	963633	0.08	-449785	SLD 7	-402746	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	127643	SLD 5	141888	963633	0.08	-374061	SLD 11	-374061	-1865528	0.096	Si
40	13.32	5.4	7.6	5.4	138053	SLD 5	148634	963522	0.08	-303209	SLD 11	-374061	-1642002	0.091	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
60	11.43	5.4	7.6	5.4	145899	SLD 5	152909	963380	0.08	-237551	SLD 11	-334768	-1418206	0.086	Si
80	7.6	5.4	7.6	5.4	151315	SLD 5	154467	962923	0.078	-177225	SLD 11	-266724	-962923	0.078	Si
90	7.6	5.4	7.6	5.4	153073	SLD 5	154499	962923	0.078	-149022	SLD 11	-234684	-962923	0.078	Si
110	7.6	5.4	7.6	5.4	154499	SLD 5	171520	962923	0.078	-96346	SLD 11	-174602	-962923	0.078	Si
130	7.6	5.4	7.6	5.4	160426	SLD 1	194260	962923	0.078	-55931	SLD 15	-119683	-962923	0.078	Si
150	7.6	5.4	7.6	5.4	184286	SLD 1	215354	962923	0.078	-41209	SLD 15	-69622	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	205716	SLD 1	244486	962923	0.078	-31817	SLD 15	-47279	-962923	0.078	Si
190	7.6	5.4	7.6	5.4	230336	SLD 3	274068	962923	0.078	-33376	SLD 13	-57507	-962923	0.078	Si
210	7.6	5.4	7.6	5.4	261060	SLD 3	300322	962923	0.078	-48798	SLD 13	-79739	-962923	0.078	Si
230	7.6	5.4	7.6	5.4	288890	SLD 3	322981	962923	0.078	-69088	SLD 13	-106136	-962923	0.078	Si
240	7.6	5.4	7.6	5.4	301494	SLD 3	332932	962923	0.078	-80831	SLD 13	-120867	-962923	0.078	Si
260	7.6	5.4	7.6	5.4	323984	SLD 3	336084	962923	0.078	-107420	SLD 13	-126205	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	336084	SLD 3	336084	962923	0.078	-126205	SLD 13	-126205	-962923	0.078	Si
280	7.6	5.4	7.6	5.4	342787	SLD 3	342308	962923	0.078	-138083	SLD 13	-136584	-962923	0.078	Si
300	7.6	5.4	7.6	5.4	357852	SLD 3	349297	962923	0.078	-172773	SLD 13	-148238	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.43	0	3767	SLU 35	3767	10106	68363	0	10106	1	Si
10	0	7.6	0	3613	SLU 35	3613	8821	68363	0	8821	1	Si
20	0.064	7.6	0	3459	SLU 35	3459	8821	68363	7395	8821	1	Si
40	0.064	7.6	0	3168	SLU 26	3168	8821	68363	7395	8821	1	Si
60	0.064	7.6	0	2898	SLU 26	2898	8821	68363	7395	8821	1	Si
80	0.064	7.6	0	2627	SLU 26	2627	8821	68363	7395	8821	1	Si
90	0.064	7.6	0	2492	SLU 26	2492	8821	68363	7395	8821	1	Si
110	0.064	7.6	0	2222	SLU 26	2222	8821	68363	7395	8821	1	Si
130	0.064	7.6	0	1952	SLU 26	1952	8821	68363	7395	8821	1	Si
150	0.064	7.6	0	1682	SLU 26	1682	8821	68363	7395	8821	1	Si
170	0.064	7.6	0	1425	SLU 22	1425	8821	68363	7395	8821	1	Si
190	0.064	7.6	0	1200	SLU 22	1200	8821	68363	7395	8821	1	Si
190	0.064	7.6	0	-144	SLU 11	-144	-8821	-68363	-7395	-8821	1	Si
210	0.064	7.6	0	975	SLU 22	975	8821	68363	7395	8821	1	Si
210	0.064	7.6	0	-365	SLU 11	-365	-8821	-68363	-7395	-8821	1	Si
230	0.064	7.6	0	750	SLU 22	750	8821	68363	7395	8821	1	Si
230	0.064	7.6	0	-586	SLU 11	-586	-8821	-68363	-7395	-8821	1	Si
240	0.064	7.6	0	637	SLU 22	637	8821	68363	7395	8821	1	Si
240	0.064	7.6	0	-697	SLU 11	-697	-8821	-68363	-7395	-8821	1	Si
260	0.064	7.6	0	412	SLU 22	412	8821	68363	7395	8821	1	Si
260	0.064	7.6	0	-926	SLU 16	-926	-8821	-68363	-7395	-8821	1	Si
272	0.064	7.6	0	271	SLU 22	271	8821	68363	7395	8821	1	Si
272	0.064	7.6	0	-1092	SLU 16	-1092	-8821	-68363	-7395	-8821	1	Si
280	0	7.6	0	187	SLU 22	187	8821	68363	0	8821	1	Si
280	0	7.6	0	-1192	SLU 16	-1192	-8821	-68363	0	-8821	1	Si
300	0	7.6	0	-1459	SLU 16	-1459	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.43	0	6105	SLV 7	7089	10106	68363	0	10106	1	Si
0	0	7.6	0	-1460	SLV 9	-2444	-8821	-68363	0	-8821	1	Si
10	0	7.6	0	6008	SLV 7	6992	8821	68363	0	8821	1	Si
10	0	7.6	0	-1557	SLV 9	-2541	-8821	-68363	0	-8821	1	Si
20	0.064	7.6	0	5911	SLV 7	6895	8821	68363	7395	8821	1	Si
20	0.064	7.6	0	-1654	SLV 9	-2638	-8821	-68363	-7395	-8821	1	Si
40	0.064	7.6	0	5717	SLV 7	6701	8821	68363	7395	8821	1	Si
40	0.064	7.6	0	-1848	SLV 9	-2832	-8821	-68363	-7395	-8821	1	Si
60	0.064	7.6	0	5523	SLV 7	6507	8821	68363	7395	8821	1	Si
60	0.064	7.6	0	-2042	SLV 9	-3026	-8821	-68363	-7395	-8821	1	Si
80	0.064	7.6	0	5329	SLV 7	6313	8821	68363	7395	8821	1	Si
80	0.064	7.6	0	-2236	SLV 9	-3220	-8821	-68363	-7395	-8821	1	Si
90	0.064	7.6	0	5232	SLV 7	6216	8821	68363	7395	8821	1	Si
90	0.064	7.6	0	-2333	SLV 9	-3317	-8821	-68363	-7395	-8821	1	Si
110	0.064	7.6	0	5038	SLV 7	6022	8821	68363	7395	8821	1	Si
110	0.064	7.6	0	-2527	SLV 9	-3511	-8821	-68363	-7395	-8821	1	Si
130	0.064	7.6	0	4844	SLV 7	5828	8821	68363	7395	8821	1	Si
130	0.064	7.6	0	-2721	SLV 9	-3705	-8821	-68363	-7395	-8821	1	Si
150	0.064	7.6	0	4650	SLV 7	5634	8821	68363	7395	8821	1	Si
150	0.064	7.6	0	-2915	SLV 9	-3899	-8821	-68363	-7395	-8821	1	Si
170	0.064	7.6	0	4456	SLV 7	5440	8821	68363	7395	8821	1	Si
170	0.064	7.6	0	-3109	SLV 9	-4093	-8821	-68363	-7395	-8821	1	Si
190	0.064	7.6	0	4262	SLV 7	5246	8821	68363	7395	8821	1	Si
190	0.064	7.6	0	-3303	SLV 9	-4287	-8821	-68363	-7395	-8821	1	Si
210	0.064	7.6	0	4068	SLV 7	5052	8821	68363	7395	8821	1	Si
210	0.064	7.6	0	-3497	SLV 9	-4481	-8821	-68363	-7395	-8821	1	Si
230	0.064	7.6	0	3874	SLV 7	4858	8821	68363	7395	8821	1	Si
230	0.064	7.6	0	-3691	SLV 9	-4675	-8821	-68363	-7395	-8821	1	Si
240	0.064	7.6	0	3777	SLV 7	4761	8821	68363	7395	8821	1	Si
240	0.064	7.6	0	-3788	SLV 9	-4772	-8821	-68363	-7395	-8821	1	Si
260	0.064	7.6	0	3583	SLV 7	4567	8821	68363	7395	8821	1	Si
260	0.064	7.6	0	-3982	SLV 9	-4966	-8821	-68363	-7395	-8821	1	Si
272	0.064	7.6	0	3462	SLV 7	4445	8821	68363	7395	8821	1	Si
272	0.064	7.6	0	-4103	SLV 9	-5087	-8821	-68363	-7395	-8821	1	Si
280	0	7.6	0	3389	SLV 7	4373	8821	68363	0	8821	1	Si
280	0	7.6	0	-4176	SLV 9	-5160	-8821	-68363	0	-8821	1	Si
300	0	7.6	0	3195	SLV 7	4178	8821	68363	0	8821	1	Si
300	0	7.6	0	-4370	SLV 9	-5354	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.43	0	3995	SLD 7	3995	10106	68363	0	10106	1	Si
10	0	7.6	0	3898	SLD 7	3898	8821	68363	0	8821	1	Si
20	0.064	7.6	0	3801	SLD 7	3801	8821	68363	7395	8821	1	Si
40	0.064	7.6	0	3607	SLD 7	3607	8821	68363	7395	8821	1	Si
60	0.064	7.6	0	3413	SLD 7	3413	8821	68363	7395	8821	1	Si
80	0.064	7.6	0	3219	SLD 7	3219	8821	68363	7395	8821	1	Si
80	0.064	7.6	0	-126	SLD 9	-126	-8821	-68363	-7395	-8821	1	Si
90	0.064	7.6	0	3122	SLD 7	3122	8821	68363	7395	8821	1	Si
90	0.064	7.6	0	-223	SLD 9	-223	-8821	-68363	-7395	-8821	1	Si
110	0.064	7.6	0	2928	SLD 7	2928	8821	68363	7395	8821	1	Si
110	0.064	7.6	0	-417	SLD 9	-417	-8821	-68363	-7395	-8821	1	Si
130	0.064	7.6	0	2734	SLD 7	2734	8821	68363	7395	8821	1	Si
130	0.064	7.6	0	-611	SLD 9	-611	-8821	-68363	-7395	-8821	1	Si
150	0.064	7.6	0	2540	SLD 7	2540	8821	68363	7395	8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
150	0.064	7.6	0	-805	SLD 9	-805	-8821	-68363	-7395	-8821	1	Si
170	0.064	7.6	0	2346	SLD 7	2346	8821	68363	7395	8821	1	Si
170	0.064	7.6	0	-999	SLD 9	-999	-8821	-68363	-7395	-8821	1	Si
190	0.064	7.6	0	2152	SLD 7	2152	8821	68363	7395	8821	1	Si
190	0.064	7.6	0	-1193	SLD 9	-1193	-8821	-68363	-7395	-8821	1	Si
210	0.064	7.6	0	1958	SLD 7	1958	8821	68363	7395	8821	1	Si
210	0.064	7.6	0	-1387	SLD 9	-1387	-8821	-68363	-7395	-8821	1	Si
230	0.064	7.6	0	1764	SLD 7	1764	8821	68363	7395	8821	1	Si
230	0.064	7.6	0	-1581	SLD 9	-1581	-8821	-68363	-7395	-8821	1	Si
240	0.064	7.6	0	1667	SLD 7	1667	8821	68363	7395	8821	1	Si
240	0.064	7.6	0	-1678	SLD 9	-1678	-8821	-68363	-7395	-8821	1	Si
260	0.064	7.6	0	1473	SLD 7	1473	8821	68363	7395	8821	1	Si
260	0.064	7.6	0	-1872	SLD 9	-1872	-8821	-68363	-7395	-8821	1	Si
272	0.064	7.6	0	1352	SLD 7	1352	8821	68363	7395	8821	1	Si
272	0.064	7.6	0	-1994	SLD 9	-1994	-8821	-68363	-7395	-8821	1	Si
280	0	7.6	0	1279	SLD 7	1279	8821	68363	0	8821	1	Si
280	0	7.6	0	-2066	SLD 9	-2066	-8821	-68363	0	-8821	1	Si
300	0	7.6	0	1085	SLD 7	1085	8821	68363	0	8821	1	Si
300	0	7.6	0	-2261	SLD 9	-2261	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-241319	8	-212860	7.4	124.5	241.3	1837	-224717	1	-198766	7	93.4	0	+∞	Si
20	-186641	8	-186641	6.5	124.5	211.5	1837	-174755	1	-174755	6.1	93.4	0	+∞	Si
40	-136443	8	-186641	6.8	124.5	240.2	1837	-128673	1	-174755	6.4	93.4	0	+∞	Si
60	-90946	4	-158700	6.1	124.5	236.5	1837	-86471	1	-149131	5.8	93.4	0	+∞	Si
80	10507	2	46045	1.2	124.5	18	1837								Si
80	-52522	4	-110950	2.9	124.5	43.4	1837	-48149	1	-105170	4.7	93.4	0	+∞	Si
90	23671	2	56388	1.5	124.5	22	1837	2026	2	40025	1.8	93.4	0	+∞	Si
90	-34765	4	-89114	2.3	124.5	34.8	1837	-30443	1	-84644	3.8	93.4	0	+∞	Si
110	47088	2	74166	1.9	124.5	29	1837	29077	2	61436	2.8	93.4	0	+∞	Si
110	-2161	4	-50870	1.3	124.5	19.9	1837								Si
130	66626	2	88063	2.3	124.5	34.4	1837	52248	2	78967	3.5	93.4	0	+∞	Si
150	82283	2	100171	2.6	124.5	39.2	1837	71539	2	92618	4.2	93.4	0	+∞	Si
170	95043	7	108326	2.8	124.5	42.3	1837	86949	2	102390	4.6	93.4	0	+∞	Si
190	105230	7	115161	3	124.5	45	1837	98480	2	110989	5	93.4	0	+∞	Si
210	111213	6	120715	3.1	124.5	47.2	1837	106367	1	118450	5.3	93.4	0	+∞	Si
230	118799	6	122032	3.2	124.5	47.7	1837	115588	1	122032	5.5	93.4	0	+∞	Si
240	120912	6	122368	3.2	124.5	47.8	1837	118744	1	122368	5.5	93.4	0	+∞	Si
260	122145	1	122391	3.2	124.5	47.8	1837	122145	1	122391	5.5	93.4	0	+∞	Si
272	122209	1	122391	3.2	124.5	47.8	1837	122209	1	122391	5.5	93.4	0	+∞	Si
280	121666	1	121666	3.2	124.5	47.6	1837	121666	1	121666	5.5	93.4	0	+∞	Si
300	117304	1	117304	3.1	124.5	45.9	1837	117304	1	117304	5.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
40	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
60	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.001	2	0	2	9999	Si
80	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.002	2	0.001	2	9999	Si
90	0.002	0	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
110	0.002	0.001	0.002	0	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.002	2	9999	Si
130	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.004	2	0.002	2	9999	Si
150	0.002	0.001	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
170	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.005	2	0.004	2	9999	Si
190	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.005	2	0.004	2	9999	Si
210	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.005	2	0.004	2	9999	Si
230	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
240	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
260	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
272	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
280	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	2129	4766	8821	SLV 7	0.5	1704	1.43	-123209	567191	963633	SLV 5	0.57	2474	1.666	Si
40	1935	4766	8821	SLV 7	0.52	1839	1.476	-123209	567191	963522	SLV 5	0.57	2474	1.666	Si
60	1741	4766	8821	SLV 7	0.53	1981	1.521	-100564	529525	963380	SLV 5	0.57	2474	1.666	Si
80	1547	4766	8821	SLV 7	0.54	2129	1.567	-62053	-462701	-962923	SLV 11	0.57	2474	1.666	Si
90	1450	4766	8821	SLV 7	0.55	2206	1.59	-44253	-430483	-962923	SLV 11	0.57	2474	1.666	Si
110	1256	4766	8821	SLV 7	0.56	2365	1.636	-11562	-368518	-962923	SLV 11	0.57	2474	1.666	Si
130	1062	4766	8821	SLV 7	0.57	2474	1.666	17249	309480	962923	SLV 5	0.57	2474	1.666	Si
150	868	4766	8821	SLV 7	0.57	2474	1.666	92618	277558	962923	SLV 1	0.57	2474	1.666	Si
170	674	4766	8821	SLV 7	0.57	2474	1.666	102390	321401	962923	SLV 3	0.57	2474	1.666	Si
190	480	4766	8821	SLV 7	0.57	2474	1.666	108281	375056	962923	SLV 3	0.57	2474	1.666	Si
210	286	4766	8821	SLV 7	0.57	2474	1.666	110291	429967	962923	SLV 3	0.57	2474	1.666	Si
230	92	4766	8821	SLV 7	0.57	2474	1.666	108422	485527	962923	SLV 3	0.57	2474	1.666	Si
240	-5	-4766	-8821	SLV 9	0.57	2474	1.666	106033	513484	962923	SLV 3	0.57	2474	1.666	Si
260	-199	-4766	-8821	SLV 9	0.57	2474	1.666	104939	523100	962923	SLV 3	0.57	2474	1.666	Si
272	-321	-4766	-8821	SLV 9	0.57	2474	1.666	104939	523100	962923	SLV 3	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	2129	1673	8821	SLD 7	0.53	1973	3.821	-123209	250852	963633	SLD 5	0.57	2443	4.171	Si
40	1935	1673	8821	SLD 7	0.54	2129	3.943	-123209	250852	963522	SLD 5	0.57	2442	4.171	Si
60	1741	1673	8821	SLD 7	0.56	2294	4.065	-100564	234204	963380	SLD 5	0.6	2474	4.193	Si
80	1547	1673	8821	SLD 7	0.57	2466	4.187	-62053	-204671	-962923	SLD 11	0.58	2474	4.193	Si
90	1450	1673	8821	SLD 7	0.58	2474	4.193	-44253	-190432	-962923	SLD 11	0.6	2474	4.193	Si
110	1256	1673	8821	SLD 7	0.59	2474	4.193	-11562	-163040	-962923	SLD 11	0.6	2474	4.193	Si
130	1062	1673	8821	SLD 7	0.6	2474	4.193	17249	-136932	-962923	SLD 11	0.6	2474	4.193	Si
150	868	1673	8821	SLD 7	0.6	2474	4.193	92618	122736	962923	SLD 1	0.6	2474	4.193	Si
170	674	1673	8821	SLD 7	0.6	2474	4.193	102390	142096	962923	SLD 3	0.6	2474	4.193	Si
190	480	1673	8821	SLD 7	0.6	2474	4.193	108281	165788	962923	SLD 3	0.6	2474	4.193	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
210	286	1673	8821	SLD 7	0.6	2474	4.193	110291	190031	962923	SLD 3	0.59	2474	4.193	Si
230	92	1673	8821	SLD 7	0.6	2474	4.193	108422	214558	962923	SLD 3	0.53	1949	3.802	Si
240	-5	-1673	-8821	SLD 9	0.6	2474	4.193	106033	226900	962923	SLD 3	0.5	1691	3.587	Si
260	-199	-1673	-8821	SLD 9	0.6	2474	4.193	104939	231145	962923	SLD 3	0.49	1615	3.52	Si
272	-321	-1673	-8821	SLD 9	0.6	2474	4.193	104939	231145	962923	SLD 3	0.49	1615	3.52	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano 2" (2989; 3971)-29

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 26 - ?, sezione R 40x70, asta 1182

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	855	SLU 20	855	1414397	0.086	-82895	SLU 17	-46428	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4	62421	SLU 20	145589	1414397	0.086	-11546	SLU 17	-11546	-1414397	0.086	Si
56	11.4	5.4	11.4	5.4	165753	SLU 20	250045	1414397	0.086						Si
113	7.6	5.4	11.4	5.4	331183	SLU 34	406085	1414576	0.086						Si
169	7.6	5.4	11.4	5.4	466097	SLU 34	518472	1414576	0.086						Si
225	7.6	5.4	10.98	5.4	557357	SLU 34	587204	1364288	0.085						Si
254	7.6	5.4	7.6	5.4	586616	SLU 34	605200	962923	0.078						Si
310	7.6	5.4	7.6	5.4	612393	SLU 34	612393	962923	0.078						Si
366	7.6	5.4	7.6	5.4	594513	SLU 34	609022	962923	0.078						Si
423	7.6	5.4	7.6	5.4	533870	SLU 33	570402	962923	0.078						Si
479	7.6	5.4	7.6	5.4	429669	SLU 35	488715	962923	0.078						Si
535	7.6	5.4	7.6	5.4	281905	SLU 35	363439	962923	0.078						Si
592	7.6	5.4	7.6	5.4	90479	SLU 35	194545	962923	0.078	30550	SLU 2	-61640	-962923	0.078	Si
648	7.6	5.4	7.6	5.4						-159026	SLU 20	-288925	-962923	0.078	Si
676	7.6	5.4	7.6	5.4						-284262	SLU 34	-434659	-962923	0.078	Si
732	11.4	5.4	7.6	5.4						-585948	SLU 34	-758879	-1414575	0.086	Si
761	11.4	5.4	7.6	5.4						-753166	SLU 34	-937364	-1414576	0.086	Si
789	15.58	5.4	7.6	5.4						-931301	SLU 34	-1126767	-1910092	0.097	Si
825	19.01	5.4	7.6	5.4						-1178333	SLU 34	-1178333	-2315301	0.107	Si
845	19.01	5.4	7.6	5.4						-1320323	SLU 34	-1248307	-2315301	0.107	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	1078780	SLV 15	1078780	1414397	0.086	-1116784	SLV 1	-1066290	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4	1084679	SLV 15	1087951	1414397	0.086	-1017120	SLV 1	-1017120	-1414397	0.086	Si
56	11.4	5.4	11.4	5.4	1088252	SLV 15	1088252	1414397	0.086	-843222	SLV 1	-980925	-1414396	0.086	Si
113	7.6	5.4	11.4	5.4	1069162	SLV 15	1082467	1414576	0.086	-598306	SLV 1	-721224	-963377	0.08	Si
169	7.6	5.4	11.4	5.4	1021541	SLV 15	1049564	1414576	0.086	-382067	SLV 1	-490181	-963377	0.08	Si
225	7.6	5.4	10.98	5.4	945459	SLV 15	988156	1364288	0.085	-194577	SLV 1	-287843	-963340	0.079	Si
254	7.6	5.4	7.6	5.4	896794	SLV 15	946793	962923	0.078	-111661	SLV 1	-197468	-962923	0.078	Si
310	7.6	5.4	7.6	5.4	778490	SLV 15	842892	962923	0.078	32235	SLV 1	-38451	-962923	0.078	Si
366	7.6	5.4	7.6	5.4	633430	SLV 15	711366	962923	0.078						Si
423	7.6	5.4	7.6	5.4	464380	SLV 13	553942	962923	0.078						Si
479	7.6	5.4	7.6	5.4	320863	SLV 5	373850	962923	0.078						Si
535	7.6	5.4	7.6	5.4	330393	SLV 1	334663	962923	0.078	10566	SLV 15	-121109	-962923	0.078	Si
592	7.6	5.4	7.6	5.4	331856	SLV 1	334663	962923	0.078	-251379	SLV 15	-397940	-962923	0.078	Si
648	7.6	5.4	7.6	5.4	304905	SLV 1	322259	962923	0.078	-542128	SLV 15	-703505	-962923	0.078	Si
676	7.6	5.4	7.6	5.4	280738	SLV 1	305452	962923	0.078	-698268	SLV 15	-867043	-962923	0.078	Si
732	11.4	5.4	7.6	5.4	210989	SLV 1	250438	963377	0.08	-1032048	SLV 15	-1215609	-1414575	0.086	Si
761	11.4	5.4	7.6	5.4	165400	SLV 1	212222	963377	0.08	-1209683	SLV 15	-1400633	-1414576	0.086	Si
789	15.58	5.4	7.6	5.4	112667	SLV 1	166862	963653	0.08	-1394477	SLV 15	-1592816	-1910092	0.097	Si
825	19.01	5.4	7.6	5.4	33352	SLV 1	97225	963795	0.081	-1644161	SLV 15	-1644161	-2315301	0.107	Si
845	19.01	5.4	7.6	5.4						-1785541	SLV 15	-1714123	-2315301	0.107	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	466608	SLD 15	466608	1414397	0.086	-504612	SLD 1	-467219	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4	498650	SLD 15	539919	1414397	0.086	-431091	SLD 1	-431091	-1414397	0.086	Si
56	11.4	5.4	11.4	5.4	549713	SLD 15	581304	1414397	0.086	-304683	SLD 1	-404391	-1414396	0.086	Si
113	7.6	5.4	11.4	5.4	604232	SLD 15	621077	1414576	0.086	-133376	SLD 1	-218313	-963377	0.08	Si
169	7.6	5.4	11.4	5.4	630180	SLD 15	632447	1414576	0.086	9294	SLD 1	-60863	-963377	0.08	Si
225	7.6	5.4	10.98	5.4	627586	SLD 15	632447	1364288	0.085						Si
254	7.6	5.4	7.6	5.4	615608	SLD 15	627742	962923	0.078						Si
310	7.6	5.4	7.6	5.4	570410	SLD 15	597147	962923	0.078						Si
366	7.6	5.4	7.6	5.4	497425	SLD 15	538380	962923	0.078						Si
423	7.6	5.4	7.6	5.4	397875	SLD 13	452205	962923	0.078						Si
479	7.6	5.4	7.6	5.4	293685	SLD 5	340050	962923	0.078						Si
535	7.6	5.4	7.6	5.4	241230	SLD 1	267173	962923	0.078						Si
592	7.6	5.4	7.6	5.4	169251	SLD 1	209841	962923	0.078	-88775	SLD 15	-197388	-962923	0.078	Si
648	7.6	5.4	7.6	5.4	68749	SLD 1	124067	962923	0.078	-305972	SLD 15	-429373	-962923	0.078	Si
676	7.6	5.4	7.6	5.4	7786	SLD 1	70476	962923	0.078	-425316	SLD 15	-556106	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
732	11.4	5.4	7.6	5.4						-685480	SLD 15	-831044	-1414575	0.086	Si
761	11.4	5.4	7.6	5.4						-826298	SLD 15	-979247	-1414576	0.086	Si
789	15.58	5.4	7.6	5.4						-974272	SLD 15	-1134605	-1910092	0.097	Si
825	19.01	5.4	7.6	5.4						-1176454	SLD 15	-1176454	-2315301	0.107	Si
845	19.01	5.4	7.6	5.4						-1291685	SLD 15	-1233373	-2315301	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	4339	SLU 35	4339	10097	68363	0	10097	1	Si
20	0.061	11.4	0	4064	SLU 35	4064	10097	68363	7104	10097	1	Si
56	0.061	11.4	0	3566	SLU 35	3566	10097	68363	7104	10097	1	Si
113	0.061	11.4	0	2794	SLU 35	2794	10097	68363	7104	10097	1	Si
169	0.061	10.98	0	2021	SLU 35	2021	9970	68363	7104	9970	1	Si
225	0.061	7.6	0	1248	SLU 35	1248	8821	68363	7104	8821	1	Si
254	0.061	7.6	0	862	SLU 35	862	8821	68363	7104	8821	1	Si
310	0.061	7.6	0	124	SLU 17	124	8821	68363	7104	8821	1	Si
310	0.061	7.6	0	-95	SLU 20	-95	-8821	-68363	-7104	-8821	1	Si
366	0.061	7.6	0	-707	SLU 29	-707	-8821	-68363	-7104	-8821	1	Si
423	0.061	7.6	0	-1476	SLU 34	-1476	-8821	-68363	-7104	-8821	1	Si
479	0.061	7.6	0	-2248	SLU 34	-2248	-8821	-68363	-7104	-8821	1	Si
535	0.061	7.6	0	-3021	SLU 34	-3021	-8821	-68363	-7104	-8821	1	Si
592	0.061	7.6	0	-3794	SLU 34	-3794	-8821	-68363	-7104	-8821	1	Si
648	0.061	7.6	0	-4567	SLU 34	-4567	-8821	-68363	-7104	-8821	1	Si
676	0.061	7.6	0	-4953	SLU 34	-4953	-8821	-68363	-7104	-8821	1	Si
732	0.061	7.6	0	-5726	SLU 34	-5726	-8821	-68363	-7104	-8821	1	Si
789	0.061	11.4	0	-6499	SLU 34	-6499	-10097	-68363	-7104	-10097	1	Si
825	0.061	11.4	0	-6997	SLU 34	-6997	-10097	-68363	-7104	-10097	1	Si
845	0	15.58	0	-7272	SLU 34	-7272	-11204	-68363	0	-11204	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	5097	SLV 1	5705	10097	68363	0	10097	1	Si
0	0	11.4	0	419	SLV 15	-189	-10097	-68363	0	-10097	1	Si
20	0.061	10.08	0	4917	SLV 1	5525	9689	68363	7104	9689	1	Si
20	0.061	11.4	0	239	SLV 15	-369	-10097	-68363	-7104	-10097	1	Si
56	0.061	7.6	0	4591	SLV 1	5199	8821	68363	7104	8821	1	Si
56	0.061	11.4	0	-87	SLV 15	-696	-10097	-68363	-7104	-10097	1	Si
113	0.061	7.6	0	4084	SLV 1	4692	8821	68363	7104	8821	1	Si
113	0.061	11.4	0	-594	SLV 15	-1202	-10097	-68363	-7104	-10097	1	Si
169	0.061	7.6	0	3578	SLV 1	4186	8821	68363	7104	8821	1	Si
169	0.061	10.98	0	-1100	SLV 15	-1708	-9970	-68363	-7104	-9970	1	Si
225	0.061	7.6	0	3072	SLV 1	3680	8821	68363	7104	8821	1	Si
225	0.061	7.6	0	-1606	SLV 15	-2214	-8821	-68363	-7104	-8821	1	Si
254	0.061	7.6	0	2819	SLV 1	3427	8821	68363	7104	8821	1	Si
254	0.061	7.6	0	-1859	SLV 15	-2467	-8821	-68363	-7104	-8821	1	Si
310	0.061	7.6	0	2312	SLV 1	2920	8821	68363	7104	8821	1	Si
310	0.061	7.6	0	-2366	SLV 15	-2974	-8821	-68363	-7104	-8821	1	Si
366	0.061	7.6	0	1806	SLV 1	2414	8821	68363	7104	8821	1	Si
366	0.061	7.6	0	-2872	SLV 15	-3480	-8821	-68363	-7104	-8821	1	Si
423	0.061	7.6	0	1300	SLV 1	1908	8821	68363	7104	8821	1	Si
423	0.061	7.6	0	-3378	SLV 15	-3986	-8821	-68363	-7104	-8821	1	Si
479	0.061	7.6	0	793	SLV 1	1401	8821	68363	7104	8821	1	Si
479	0.061	7.6	0	-3885	SLV 15	-4493	-8821	-68363	-7104	-8821	1	Si
535	0.061	7.6	0	287	SLV 1	895	8821	68363	7104	8821	1	Si
535	0.061	7.6	0	-4391	SLV 15	-4999	-8821	-68363	-7104	-8821	1	Si
592	0.061	7.6	0	-219	SLV 1	389	8821	68363	7104	8821	1	Si
592	0.061	7.6	0	-4897	SLV 15	-5505	-8821	-68363	-7104	-8821	1	Si
648	0.061	7.6	0	-5404	SLV 15	-6012	-8821	-68363	-7104	-8821	1	Si
676	0.061	7.6	0	-5657	SLV 15	-6265	-8821	-68363	-7104	-8821	1	Si
732	0.061	7.6	0	-6163	SLV 15	-6771	-8821	-68363	-7104	-8821	1	Si
789	0.061	11.4	0	-6670	SLV 15	-7278	-10097	-68363	-7104	-10097	1	Si
825	0.061	11.4	0	-6996	SLV 15	-7604	-10097	-68363	-7104	-10097	1	Si
845	0	15.58	0	-7176	SLV 15	-7784	-11204	-68363	0	-11204	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	3793	SLD 1	3793	10097	68363	0	10097	1	Si
20	0.061	10.08	0	3613	SLD 1	3613	9689	68363	7104	9689	1	Si
56	0.061	7.6	0	3286	SLD 1	3286	8821	68363	7104	8821	1	Si
113	0.061	7.6	0	2780	SLD 1	2780	8821	68363	7104	8821	1	Si
169	0.061	10.98	0	2274	SLD 1	2274	9970	68363	7104	9970	1	Si
225	0.061	7.6	0	1767	SLD 1	1767	8821	68363	7104	8821	1	Si
225	0.061	7.6	0	-302	SLD 15	-302	-8821	-68363	-7104	-8821	1	Si
254	0.061	7.6	0	1514	SLD 1	1514	8821	68363	7104	8821	1	Si
254	0.061	7.6	0	-555	SLD 15	-555	-8821	-68363	-7104	-8821	1	Si
310	0.061	7.6	0	1008	SLD 1	1008	8821	68363	7104	8821	1	Si
310	0.061	7.6	0	-1061	SLD 15	-1061	-8821	-68363	-7104	-8821	1	Si
366	0.061	7.6	0	502	SLD 1	502	8821	68363	7104	8821	1	Si
366	0.061	7.6	0	-1568	SLD 15	-1568	-8821	-68363	-7104	-8821	1	Si
423	0.061	7.6	0	-2074	SLD 15	-2074	-8821	-68363	-7104	-8821	1	Si
479	0.061	7.6	0	-2580	SLD 15	-2580	-8821	-68363	-7104	-8821	1	Si
535	0.061	7.6	0	-3087	SLD 15	-3087	-8821	-68363	-7104	-8821	1	Si
592	0.061	7.6	0	-3593	SLD 15	-3593	-8821	-68363	-7104	-8821	1	Si
648	0.061	7.6	0	-4099	SLD 15	-4099	-8821	-68363	-7104	-8821	1	Si
676	0.061	7.6	0	-4353	SLD 15	-4353	-8821	-68363	-7104	-8821	1	Si
732	0.061	7.6	0	-4859	SLD 15	-4859	-8821	-68363	-7104	-8821	1	Si
789	0.061	11.4	0	-5365	SLD 15	-5365	-10097	-68363	-7104	-10097	1	Si
825	0.061	11.4	0	-5692	SLD 15	-5692	-10097	-68363	-7104	-10097	1	Si
845	0	15.58	0	-5872	SLD 15	-5872	-11204	-68363	0	-11204	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-48746	8	-17717	0.6	124.5	26.4	1837	-22696	1	-7998	0.3	93.4	0	+∞	Si
20	36110	2	107328	3.9	124.5	159.8	1837	33780	2	105190	3.8	93.4	0	+∞	Si
56	124604	2	189407	6.9	124.5	281.9	1837	122515	2	184243	6.7	93.4	0	+∞	Si
113	248489	7	302953	11.7	124.5	452.6	1837	235428	2	282395	10.9	93.4	0	+∞	Si
169	346510	7	384418	14.9	124.5	574.3	1837	319737	2	351943	13.6	93.4	0	+∞	Si
225	412448	7	433801	17	124.5	672.2	1837	375441	2	392886	15.4	93.4	0	+∞	Si
254	433386	7	446461	11.6	124.5	174.5	1837	392566	2	402631	18.1	93.4	0	+∞	Si
310	451200	7	451200	11.8	124.5	176.4	1837	405362	2	405362	18.2	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
366	436930	7	448176	11.7	124.5	175.2	1837	389552	2	401172	18	93.4	0	+∞	Si
423	391172	6	418637	10.9	124.5	163.6	1837	345647	1	371740	16.7	93.4	0	+∞	Si
479	313395	8	357408	9.3	124.5	139.7	1837	273184	1	314039	14.1	93.4	0	+∞	Si
535	203598	8	264140	6.9	124.5	103.2	1837	172113	1	227731	10.2	93.4	0	+∞	Si
592	61713	8	138813	3.6	124.5	54.3	1837	42433	1	112814	5.1	93.4	0	+∞	Si
648	-120448	2	-218548	5.7	124.5	85.4	1837	-118612	2	-211886	9.5	93.4	0	+∞	Si
676	-215103	7	-326214	8.5	124.5	127.5	1837	-208765	2	-309421	13.9	93.4	0	+∞	Si
732	-437943	7	-565614	21.9	124.5	845	1837	-410530	2	-525950	20.3	93.4	0	+∞	Si
789	-692875	7	-837106	29	124.5	926.8	1837	-640905	2	-771090	26.7	93.4	0	+∞	Si
825	-875148	7	-875148	28.4	124.5	801.4	1837	-805405	2	-805405	26.2	93.4	0	+∞	Si
845	-979898	7	-926772	30.1	124.5	848.7	1837	-899892	2	-851977	27.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.013	2	9999	Si
56	0.018	0.017	0.016	0.015	0.017	0.017	0.015	0.015	0.017	0.017	0.037	2	0.037	2	9999	Si
113	0.036	0.032	0.031	0.028	0.032	0.032	0.028	0.028	0.032	0.032	0.072	2	0.072	2	9999	Si
169	0.05	0.045	0.044	0.04	0.045	0.045	0.04	0.04	0.045	0.045	0.102	2	0.102	2	8262	Si
225	0.062	0.055	0.054	0.048	0.055	0.055	0.048	0.048	0.055	0.055	0.125	2	0.125	2	6751	Si
254	0.066	0.058	0.058	0.052	0.059	0.059	0.052	0.052	0.059	0.059	0.134	2	0.134	2	6326	Si
310	0.071	0.063	0.062	0.055	0.063	0.063	0.055	0.055	0.063	0.063	0.144	1	0.144	1	5881	Si
338	0.072	0.063	0.063	0.056	0.064	0.063	0.056	0.056	0.064	0.063	0.145	1	0.145	1	5817	Si
366	0.072	0.063	0.063	0.056	0.063	0.063	0.056	0.056	0.063	0.063	0.145	1	0.144	1	5846	Si
423	0.068	0.059	0.06	0.052	0.06	0.06	0.053	0.052	0.06	0.06	0.137	1	0.136	1	6190	Si
479	0.061	0.053	0.053	0.046	0.053	0.053	0.046	0.046	0.053	0.053	0.121	1	0.12	1	7009	Si
535	0.05	0.043	0.044	0.037	0.043	0.043	0.038	0.037	0.043	0.043	0.098	1	0.098	1	8588	Si
592	0.038	0.032	0.032	0.027	0.032	0.032	0.028	0.027	0.032	0.032	0.072	1	0.072	1	9999	Si
648	0.024	0.02	0.021	0.017	0.02	0.02	0.017	0.017	0.02	0.02	0.045	1	0.045	1	9999	Si
676	0.018	0.014	0.015	0.012	0.015	0.014	0.012	0.012	0.015	0.014	0.033	1	0.032	1	9999	Si
732	0.007	0.005	0.006	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	1	0.011	1	9999	Si
789	0	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	1	-0.001	1	9999	Si
825	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	2578	2947	9689	SLV 1	0.57	2474	1.666	33780	1050899	1414397	SLV 15	0.47	1426	1.329	Si
56	2252	2947	8821	SLV 1	0.57	2474	1.666	122515	965737	1414397	SLV 15	0.48	1497	1.356	Si
113	1745	2947	8821	SLV 1	0.57	2474	1.666	180622	-901845	-963377	SLV 1	0.46	1300	1.28	Si
169	1239	2947	8821	SLV 1	0.57	2474	1.666	279691	769873	1414576	SLV 15	0.53	1941	1.509	Si
225	733	2947	8821	SLV 1	0.57	2474	1.666	350157	638000	1364288	SLV 15	0.56	2374	1.638	Si
254	480	2947	8821	SLV 1	0.57	2474	1.666	374663	572130	962923	SLV 15	0.37	761	1.028	Si
310	-27	-2947	-8821	SLV 15	0.57	2474	1.666	402220	440671	962923	SLV 15	0.46	1311	1.284	Si
366	-533	-2947	-8821	SLV 15	0.57	2474	1.666	401172	310194	962923	SLV 15	0.57	2474	1.666	Si
423	-1039	-2947	-8821	SLV 15	0.57	2474	1.666	371517	182425	962923	SLV 13	0.57	2474	1.666	Si
479	-1546	-2947	-8821	SLV 15	0.57	2474	1.666	223127	96358	962923	SLV 1	0.57	2474	1.666	Si
535	-2052	-2947	-8821	SLV 15	0.57	2474	1.666	108935	225728	962923	SLV 1	0.57	2474	1.666	Si
592	-2558	-2947	-8821	SLV 15	0.57	2474	1.666	-38272	-359667	-962923	SLV 15	0.57	2474	1.666	Si
648	-3065	-2947	-8821	SLV 15	0.57	2474	1.666	-211886	-491620	-962923	SLV 15	0.54	2135	1.569	Si
676	-3318	-2947	-8821	SLV 15	0.57	2474	1.666	-309421	-557622	-962923	SLV 15	0.42	1054	1.174	Si
732	-3824	-2947	-8821	SLV 15	0.57	2474	1.666	-525950	-689659	-1414575	SLV 15	0.46	1355	1.302	Si
789	-4331	-2947	-10097	SLV 15	0.57	2474	1.666	-771090	-821726	-1910092	SLV 15	0.5	1646	1.41	Si
825	-4657	-2947	-10097	SLV 15	0.57	2474	1.666	-805405	-838756	-2315301	SLV 15	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	2578	1035	9689	SLD 1	0.6	2474	4.193	33780	464871	1414397	SLD 15	0.4	898	2.767	Si
56	2252	1035	8821	SLD 1	0.6	2474	4.193	52948	457339	1414397	SLD 15	0.4	902	2.772	Si
113	1745	1035	8821	SLD 1	0.6	2474	4.193	180622	-398934	-963377	SLD 1	0.39	824	2.671	Si
169	1239	1035	9970	SLD 1	0.6	2474	4.193	279691	340554	1414576	SLD 15	0.45	1213	3.13	Si
225	733	1035	8821	SLD 1	0.6	2474	4.193	351165	281283	1364288	SLD 15	0.48	1491	3.407	Si
254	480	1035	8821	SLD 1	0.6	2474	4.193	374663	253079	962923	SLD 15	0.32	496	2.17	Si
310	-27	-1035	-8821	SLD 15	0.6	2474	4.193	402220	194927	962923	SLD 15	0.39	830	2.679	Si
366	-533	-1035	-8821	SLD 15	0.6	2474	4.193	401172	137208	962923	SLD 15	0.54	2099	3.92	Si
423	-1039	-1035	-8821	SLD 15	0.6	2474	4.193	371517	80688	962923	SLD 13	0.6	2474	4.193	Si
479	-1546	-1035	-8821	SLD 15	0.6	2474	4.193	223127	42636	962923	SLD 1	0.6	2474	4.193	Si
535	-2052	-1035	-8821	SLD 15	0.6	2474	4.193	106732	100800	962923	SLD 1	0.6	2474	4.193	Si
592	-2558	-1035	-8821	SLD 15	0.6	2474	4.193	-38272	-159116	-962923	SLD 15	0.6	2474	4.193	Si
648	-3065	-1035	-8821	SLD 15	0.6	2474	4.193	-211886	-217487	-962923	SLD 15	0.46	1332	3.253	Si
676	-3318	-1035	-8821	SLD 15	0.6	2474	4.193	-309421	-246685	-962923	SLD 15	0.36	680	2.469	Si
732	-3824	-1035	-8821	SLD 15	0.6	2474	4.193	-525950	-305094	-1414575	SLD 15	0.39	856	2.714	Si
789	-4331	-1035	-10097	SLD 15	0.6	2474	4.193	-771090	-363515	-1910092	SLD 15	0.42	1029	2.926	Si
825	-4657	-1035	-10097	SLD 15	0.6	2474	4.193	-805405	-371049	-2315301	SLD 15	0.54	2065	3.894	Si

Campata 3 tra i fili ? - 28, sezione R 40x70, asta 1181

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-1058538	SLU 36	-999628	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-942155	SLU 36	-942155	-2315301	0.107	Si
59	14.54	5.4	8.88	5.4						-727113	SLU 36	-884544	-1786795	0.093	Si
88	9.23	5.4	7.6	5.4						-579259	SLU 36	-724958	-1155833	0.082	Si
118	7.6	5.4	7.6	5.4						-443311	SLU 36	-577277	-962923	0.078	Si
177	7.6	5.4	7.6	5.4						-207131	SLU 36	-317633	-962923	0.078	Si
206	7.6	5.4	7.6	5.4						-108488	SLU 30	-205670	-962923	0.078	Si
265	7.6	5.4	7.6	5.4	61618	SLU 33	124602	962923	0.078	19498	SLU 3	-36519	-962923	0.078	Si
324	7.6	5.4	7.6	5.4	177588	SLU 35	217148	962923	0.078						Si
383	7.6	5.4	7.6	5.4	245971	SLU 35	262064	962923	0.078						Si
442	7.6	5.4	7.6	5.4	266724	SLU 35	266724	962923	0.078						Si
501	7.6	5.4	7.6	5.4	240509	SLU 36	259078	962923	0.078						Si
560	7.6	5.4	7.6	5.4	167096	SLU 36	209135	962923	0.078						Si
619	7.6	5.4	7.6	5.4	50054	SLU 18	111557	962923	0.078	3729	SLU 19	-57689	-962923	0.078	Si
649	7.6	5.4	7.6	5.4	-15922	SLU 18	49093	962923	0.078	-58598	SLU 19	-129168	-962923	0.078	Si
708	7.6	5.4	7.6	5.4						-230501	SLU 33	-343575	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
767	11.4	5.4	7.6	5.4						-471903	SLU 33	-608450	-1414575	0.086	Si
826	15.33	5.4	7.6	5.4						-760947	SLU 33	-920968	-1880346	0.096	Si
865	19.01	5.4	7.6	5.4						-979465	SLU 33	-979465	-2315301	0.107	Si
885	19.01	5.4	7.6	5.4						-1097634	SLU 33	-1037831	-2315301	0.107	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-1123363	SLV 3	-1074002	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-1025463	SLV 3	-1025463	-2315301	0.107	Si
59	14.54	5.4	8.88	5.4						-842376	SLV 3	-976969	-1786795	0.093	Si
118	7.6	5.4	7.6	5.4	-6184	SLV 13	41766	962923	0.078	-592678	SLV 3	-711851	-962923	0.078	Si
177	7.6	5.4	7.6	5.4	83373	SLV 13	116035	962923	0.078	-374308	SLV 3	-478039	-962923	0.078	Si
206	7.6	5.4	7.6	5.4	116518	SLV 13	141558	962923	0.078	-276891	SLV 3	-372888	-962923	0.078	Si
265	7.6	5.4	7.6	5.4	159634	SLV 13	169554	962923	0.078	-105687	SLV 3	-186151	-962923	0.078	Si
324	7.6	5.4	7.6	5.4	176917	SLV 9	191411	962923	0.078	28943	SLV 7	-31042	-962923	0.078	Si
383	7.6	5.4	7.6	5.4	205736	SLV 5	222078	962923	0.078						Si
442	7.6	5.4	7.6	5.4	250826	SLV 1	275822	962923	0.078						Si
501	7.6	5.4	7.6	5.4	294027	SLV 1	304113	962923	0.078	-6873	SLV 15	-57422	-962923	0.078	Si
560	7.6	5.4	7.6	5.4	306877	SLV 1	306877	962923	0.078	-117447	SLV 15	-183714	-962923	0.078	Si
619	7.6	5.4	7.6	5.4	289196	SLV 1	301674	962923	0.078	-259902	SLV 15	-341846	-962923	0.078	Si
649	7.6	5.4	7.6	5.4	268880	SLV 1	288900	962923	0.078	-343058	SLV 15	-432823	-962923	0.078	Si
708	7.6	5.4	7.6	5.4	205229	SLV 1	240375	962923	0.078	-533165	SLV 15	-638528	-962923	0.078	Si
767	11.4	5.4	7.6	5.4	110792	SLV 1	161121	963377	0.08	-754902	SLV 15	-875810	-1414575	0.086	Si
826	15.33	5.4	7.6	5.4	-14536	SLV 1	51026	963640	0.08	-1008165	SLV 15	-1144574	-1880346	0.096	Si
865	19.01	5.4	7.6	5.4						-1193698	SLV 15	-1193698	-2315301	0.107	Si
885	19.01	5.4	7.6	5.4						-1292869	SLV 15	-1241978	-2315301	0.107	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-887755	SLD 3	-844471	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-802075	SLD 3	-802075	-2315301	0.107	Si
59	14.54	5.4	8.88	5.4						-642808	SLD 3	-759649	-1786795	0.093	Si
88	9.23	5.4	7.6	5.4						-532048	SLD 3	-641193	-1155833	0.082	Si
118	7.6	5.4	7.6	5.4						-429100	SLD 3	-530548	-962923	0.078	Si
177	7.6	5.4	7.6	5.4	-44286	SLD 13	6037	962923	0.078	-246649	SLD 3	-332693	-962923	0.078	Si
206	7.6	5.4	7.6	5.4	6781	SLD 13	49445	962923	0.078	-167154	SLD 3	-245490	-962923	0.078	Si
265	7.6	5.4	7.6	5.4	85612	SLD 13	113012	962923	0.078	-31665	SLD 3	-94558	-962923	0.078	Si
324	7.6	5.4	7.6	5.4	135654	SLD 9	156499	962923	0.078						Si
383	7.6	5.4	7.6	5.4	173363	SLD 5	186469	962923	0.078						Si
442	7.6	5.4	7.6	5.4	200881	SLD 1	209232	962923	0.078						Si
501	7.6	5.4	7.6	5.4	210146	SLD 1	210146	962923	0.078						Si
560	7.6	5.4	7.6	5.4	188581	SLD 1	203011	962923	0.078	849	SLD 15	-48318	-962923	0.078	Si
619	7.6	5.4	7.6	5.4	136107	SLD 1	165771	962923	0.078	-106812	SLD 15	-171489	-962923	0.078	Si
649	7.6	5.4	7.6	5.4	98267	SLD 1	135555	962923	0.078	-172446	SLD 15	-244869	-962923	0.078	Si
708	7.6	5.4	7.6	5.4	-647	SLD 1	51907	962923	0.078	-327290	SLD 15	-415188	-962923	0.078	Si
767	11.4	5.4	7.6	5.4						-513529	SLD 15	-616878	-1414575	0.086	Si
826	15.33	5.4	7.6	5.4						-731116	SLD 15	-849897	-1880346	0.096	Si
865	19.01	5.4	7.6	5.4						-892991	SLD 15	-892991	-2315301	0.107	Si
885	19.01	5.4	7.6	5.4						-980016	SLD 15	-935664	-2315301	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.54	0	6021	SLU 36	6021	10949	68363	0	10949	1	Si
20	0.061	9.23	0	5747	SLU 36	5747	9408	68363	7044	9408	1	Si
59	0.061	7.6	0	5214	SLU 36	5214	8821	68363	7044	8821	1	Si
118	0.061	7.6	0	4407	SLU 36	4407	8821	68363	7044	8821	1	Si
177	0.061	7.6	0	3599	SLU 36	3599	8821	68363	7044	8821	1	Si
206	0.061	7.6	0	3196	SLU 36	3196	8821	68363	7044	8821	1	Si
265	0.061	7.6	0	2389	SLU 36	2389	8821	68363	7044	8821	1	Si
324	0.061	7.6	0	1581	SLU 36	1581	8821	68363	7044	8821	1	Si
383	0.061	7.6	0	774	SLU 36	774	8821	68363	7044	8821	1	Si
442	0.061	7.6	0	-66	SLU 19	-66	-8821	-68363	-7044	-8821	1	Si
501	0.061	7.6	0	-862	SLU 33	-862	-8821	-68363	-7044	-8821	1	Si
560	0.061	7.6	0	-1669	SLU 33	-1669	-8821	-68363	-7044	-8821	1	Si
619	0.061	7.6	0	-2477	SLU 33	-2477	-8821	-68363	-7044	-8821	1	Si
649	0.061	7.6	0	-2880	SLU 33	-2880	-8821	-68363	-7044	-8821	1	Si
708	0.061	7.6	0	-3688	SLU 33	-3688	-8821	-68363	-7044	-8821	1	Si
767	0.061	7.6	0	-4495	SLU 33	-4495	-8821	-68363	-7044	-8821	1	Si
826	0.061	11.4	0	-5303	SLU 33	-5303	-10097	-68363	-7044	-10097	1	Si
865	0.061	11.4	0	-5837	SLU 33	-5837	-10097	-68363	-7044	-10097	1	Si
885	0	15.33	0	-6110	SLU 33	-6110	-11144	-68363	0	-11144	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.54	0	5033	SLV 3	5320	10949	68363	0	10949	1	Si
20	0.061	9.23	0	4854	SLV 3	5140	9408	68363	7044	9408	1	Si
59	0.061	7.6	0	4504	SLV 3	4791	8821	68363	7044	8821	1	Si
118	0.061	7.6	0	3976	SLV 3	4262	8821	68363	7044	8821	1	Si
177	0.061	7.6	0	3447	SLV 3	3733	8821	68363	7044	8821	1	Si
206	0.061	7.6	0	3182	SLV 3	3469	8821	68363	7044	8821	1	Si
265	0.061	7.6	0	2653	SLV 3	2940	8821	68363	7044	8821	1	Si
324	0.061	7.6	0	2125	SLV 3	2411	8821	68363	7044	8821	1	Si
324	0.061	7.6	0	-79	SLV 13	-365	-8821	-68363	-7044	-8821	1	Si
383	0.061	7.6	0	1596	SLV 3	1882	8821	68363	7044	8821	1	Si
383	0.061	7.6	0	-607	SLV 13	-894	-8821	-68363	-7044	-8821	1	Si
442	0.061	7.6	0	1067	SLV 3	1353	8821	68363	7044	8821	1	Si
442	0.061	7.6	0	-1136	SLV 13	-1423	-8821	-68363	-7044	-8821	1	Si
501	0.061	7.6	0	538	SLV 3	824	8821	68363	7044	8821	1	Si
501	0.061	7.6	0	-1665	SLV 13	-1952	-8821	-68363	-7044	-8821	1	Si
560	0.061	7.6	0	9	SLV 3	295	8821	68363	7044	8821	1	Si
560	0.061	7.6	0	-2194	SLV 13	-2481	-8821	-68363	-7044	-8821	1	Si
619	0.061	7.6	0	-2723	SLV 13	-3010	-8821	-68363	-7044	-8821	1	Si
649	0.061	7.6	0	-2988	SLV 13	-3274	-8821	-68363	-7044	-8821	1	Si
708	0.061	7.6	0	-3517	SLV 13	-3803	-8821	-68363	-7044	-8821	1	Si
767	0.061	7.6	0	-4045	SLV 13	-4332	-8821	-68363	-7044	-8821	1	Si
826	0.061	11.4	0	-4574	SLV 13	-4861	-10097	-68363	-7044	-10097	1	Si
865	0.061	11.4	0	-4924	SLV 13	-5211	-10097	-68363	-7044	-10097	1	Si
885	0	15.33	0	-5103	SLV 13	-5390	-11144	-68363	0	-11144	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.54	0	4419	SLD 3	4419	10949	68363	0	10949	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
20	0.061	9.23	0	4240	SLD 3	4240	9408	68363	7044	9408	1	Si
59	0.061	7.6	0	3890	SLD 3	3890	8821	68363	7044	8821	1	Si
118	0.061	7.6	0	3361	SLD 3	3361	8821	68363	7044	8821	1	Si
177	0.061	7.6	0	2832	SLD 3	2832	8821	68363	7044	8821	1	Si
206	0.061	7.6	0	2568	SLD 3	2568	8821	68363	7044	8821	1	Si
265	0.061	7.6	0	2039	SLD 3	2039	8821	68363	7044	8821	1	Si
324	0.061	7.6	0	1510	SLD 3	1510	8821	68363	7044	8821	1	Si
383	0.061	7.6	0	981	SLD 3	981	8821	68363	7044	8821	1	Si
442	0.061	7.6	0	452	SLD 3	452	8821	68363	7044	8821	1	Si
442	0.061	7.6	0	-522	SLD 13	-522	-8821	-68363	-7044	-8821	1	Si
501	0.061	7.6	0	-1051	SLD 13	-1051	-8821	-68363	-7044	-8821	1	Si
560	0.061	7.6	0	-1580	SLD 13	-1580	-8821	-68363	-7044	-8821	1	Si
619	0.061	7.6	0	-2109	SLD 13	-2109	-8821	-68363	-7044	-8821	1	Si
649	0.061	7.6	0	-2373	SLD 13	-2373	-8821	-68363	-7044	-8821	1	Si
708	0.061	7.6	0	-2902	SLD 13	-2902	-8821	-68363	-7044	-8821	1	Si
767	0.061	7.6	0	-3431	SLD 13	-3431	-8821	-68363	-7044	-8821	1	Si
826	0.061	11.4	0	-3960	SLD 13	-3960	-10097	-68363	-7044	-10097	1	Si
865	0.061	11.4	0	-4310	SLD 13	-4310	-10097	-68363	-7044	-10097	1	Si
885	0	15.33	0	-4489	SLD 13	-4489	-11144	-68363	0	-11144	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-779256	9	-736022	23.9	124.5	674	1837	-700960	2	-662495	21.5	93.4	0	+∞	Si
20	-693843	9	-693843	22.6	124.5	635.4	1837	-624972	2	-624972	20.3	93.4	0	+∞	Si
59	-536037	9	-651563	22.7	124.5	769.4	1837	-484595	2	-587357	20.5	93.4	0	+∞	Si
118	-327816	9	-426098	11.1	124.5	166.5	1837	-299431	2	-386820	17.4	93.4	0	+∞	Si
177	-154592	9	-235630	6.1	124.5	92.1	1837	-145468	2	-217484	9.8	93.4	0	+∞	Si
206	-82163	3	-153521	4	124.5	60	1837	-80187	2	-144516	6.5	93.4	0	+∞	Si
265	42139	6	88298	2.3	124.5	34.5	1837	29108	1	70066	3.1	93.4	0	+∞	Si
324	127101	8	156043	4.1	124.5	61	1837	104436	1	130021	5.8	93.4	0	+∞	Si
383	177090	8	188786	4.9	124.5	73.8	1837	148561	1	158771	7.1	93.4	0	+∞	Si
442	192076	8	192076	5	124.5	75.1	1837	161482	1	161482	7.2	93.4	0	+∞	Si
501	172501	9	186315	4.9	124.5	72.8	1837	143577	2	156120	7	93.4	0	+∞	Si
560	118212	9	149273	3.9	124.5	58.3	1837	94715	2	122634	5.5	93.4	0	+∞	Si
619	28916	9	77225	2	124.5	30.2	1837	14647	2	57942	2.6	93.4	0	+∞	Si
649	-39040	1	-98020	2.6	124.5	38.3	1837	-39040	1	-98020	4.4	93.4	0	+∞	Si
708	-174434	6	-257654	6.7	124.5	100.7	1837	-166547	1	-240904	10.8	93.4	0	+∞	Si
767	-352088	6	-452557	17.5	124.5	676.1	1837	-325263	1	-414996	16	93.4	0	+∞	Si
826	-564751	6	-682470	23.8	124.5	767.5	1837	-515187	1	-620297	21.6	93.4	0	+∞	Si
865	-725500	6	-725500	23.6	124.5	664.4	1837	-658715	1	-658715	21.4	93.4	0	+∞	Si
885	-812424	6	-768434	25	124.5	703.7	1837	-736320	1	-697047	22.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
59	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.015	1	-0.015	1	9999	Si
118	-0.006	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.018	1	-0.019	1	9999	Si
177	-0.003	-0.005	-0.005	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.014	1	-0.015	1	9999	Si
206	-0.001	-0.003	-0.003	-0.005	-0.003	-0.003	-0.004	-0.005	-0.003	-0.003	-0.01	1	-0.011	1	9999	Si
265	0.003	0	0.001	-0.002	0.001	0	-0.001	-0.001	0.001	0	-0.002	1	-0.003	1	9999	Si
324	0.008	0.004	0.005	0.001	0.004	0.004	0.002	0.002	0.004	0.004	0.005	1	0.005	1	9999	Si
383	0.01	0.006	0.007	0.004	0.006	0.006	0.004	0.004	0.006	0.006	0.011	1	0.01	1	9999	Si
442	0.011	0.007	0.008	0.004	0.007	0.007	0.004	0.004	0.007	0.007	0.012	1	0.012	1	9999	Si
501	0.01	0.006	0.007	0.003	0.006	0.006	0.003	0.003	0.006	0.006	0.009	1	0.009	1	9999	Si
560	0.007	0.003	0.004	0.001	0.003	0.003	0.001	0.001	0.003	0.003	0.003	2	0.003	2	9999	Si
619	0.002	-0.001	0	-0.002	0	-0.001	-0.002	-0.002	-0.001	-0.001	-0.005	2	-0.005	2	9999	Si
649	0	-0.003	-0.002	-0.004	-0.002	-0.003	-0.004	-0.004	-0.003	-0.003	-0.009	2	-0.009	2	9999	Si
708	-0.005	-0.006	-0.006	-0.007	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.017	2	-0.017	2	9999	Si
767	-0.007	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.02	2	-0.021	2	9999	Si
826	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.016	2	-0.016	2	9999	Si
865	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	3752	1388	9408	SLV 3	0.57	2474	1.666	-624972	400491	963795	SLV 13	0.57	2474	1.666	Si
59	3403	1388	8821	SLV 3	0.57	2474	1.666	-587357	-389612	-1786795	SLV 3	0.57	2474	1.666	Si
118	2874	1388	8821	SLV 3	0.57	2474	1.666	-386820	-325031	-962923	SLV 3	0.57	2474	1.666	Si
177	2345	1388	8821	SLV 3	0.57	2474	1.666	-217484	-260555	-962923	SLV 3	0.57	2474	1.666	Si
206	2081	1388	8821	SLV 3	0.57	2474	1.666	-144516	-228372	-962923	SLV 3	0.57	2474	1.666	Si
265	1552	1388	8821	SLV 3	0.57	2474	1.666	-21982	-164169	-962923	SLV 3	0.57	2474	1.666	Si
324	1023	1388	8821	SLV 3	0.57	2474	1.666	69349	-100391	-962923	SLV 3	0.57	2474	1.666	Si
383	494	1388	8821	SLV 3	0.57	2474	1.666	158203	63875	962923	SLV 5	0.57	2474	1.666	Si
442	-35	-1388	-8821	SLV 13	0.57	2474	1.666	156377	119445	962923	SLV 1	0.57	2474	1.666	Si
501	-564	-1388	-8821	SLV 13	0.57	2474	1.666	123346	180767	962923	SLV 1	0.57	2474	1.666	Si
560	-1093	-1388	-8821	SLV 13	0.57	2474	1.666	59109	242823	962923	SLV 1	0.57	2474	1.666	Si
619	-1622	-1388	-8821	SLV 13	0.57	2474	1.666	-36335	-305511	-962923	SLV 15	0.57	2474	1.666	Si
649	-1886	-1388	-8821	SLV 13	0.57	2474	1.666	-95760	-337063	-962923	SLV 15	0.57	2474	1.666	Si
708	-2415	-1388	-8821	SLV 13	0.57	2474	1.666	-238015	-400513	-962923	SLV 15	0.57	2474	1.666	Si
767	-2944	-1388	-8821	SLV 13	0.57	2474	1.666	-411479	-464331	-1414575	SLV 15	0.57	2474	1.666	Si
826	-3473	-1388	-10097	SLV 13	0.57	2474	1.666	-616152	-528422	-1880346	SLV 15	0.57	2474	1.666	Si
865	-3823	-1388	-10097	SLV 13	0.57	2474	1.666	-654463	539235	963795	SLV 1	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	3752	487	9408	SLD 3	0.6	2474	4.193	-624972	177104	963795	SLD 13	0.6	2474	4.193	Si
59	3403	487	8821	SLD 3	0.6	2474	4.193	-587357	-172292	-1786795	SLD 3	0.6	2474	4.193	Si
118	2874	487	8821	SLD 3	0.6	2474	4.193	-386820	-143728	-962923	SLD 3	0.53	1984	3.83	Si
177	2345	487	8821	SLD 3	0.6	2474	4.193	-217484	-115210	-962923	SLD 3	0.6	2474	4.193	Si
206	2081	487	8821	SLD 3	0.6	2474	4.193	-144516	-100974	-962923	SLD 3	0.6	2474	4.193	Si
265	1552	487	8821	SLD 3	0.6	2474	4.193	-21982	-72576	-962923	SLD 3	0.6	2474	4.193	Si
324	1023	487	8821	SLD 3	0.6	2474	4.193	69349	44363	962923	SLD 13	0.6	2474	4.193	Si
383	494	487	8821	SLD 3	0.6	2474	4.193	158203	28266	962923	SLD 5	0.6	2474	4.193	Si
442	-35	-487	-8821	SLD 13	0.6	2474	4.193	156377	52855	962923	SLD 1	0.6	2474	4.193	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
501	-564	-487	-8821	SLD 13	0.6	2474	4.193	123346	79980	962923	SLD 1	0.6	2474	4.193	Si
560	-1093	-487	-8821	SLD 13	0.6	2474	4.193	59109	107427	962923	SLD 1	0.6	2474	4.193	Si
619	-1622	-487	-8821	SLD 13	0.6	2474	4.193	-36335	-135154	-962923	SLD 15	0.6	2474	4.193	Si
649	-1886	-487	-8821	SLD 13	0.6	2474	4.193	-95760	-149109	-962923	SLD 15	0.6	2474	4.193	Si
708	-2415	-487	-8821	SLD 13	0.6	2474	4.193	-238015	-177172	-962923	SLD 15	0.54	2096	3.917	Si
767	-2944	-487	-8821	SLD 13	0.6	2474	4.193	-411479	-205399	-1414575	SLD 15	0.6	2474	4.193	Si
826	-3473	-487	-10097	SLD 13	0.6	2474	4.193	-616152	-233746	-1880346	SLD 15	0.6	2474	4.193	Si
865	-3823	-487	-10097	SLD 13	0.6	2474	4.193	-654463	238528	963795	SLD 1	0.6	2474	4.193	Si

Campata 4 tra i fili 28 - 29, sezione R 40x70, asta 1180

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-1247469	SLU 33	-1177540	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-1109151	SLU 33	-1109151	-2315301	0.107	Si
57	15.47	5.4	8.78	5.4						-861118	SLU 33	-1050850	-1896904	0.095	Si
115	11.4	5.4	7.6	5.4						-520020	SLU 33	-686873	-1414575	0.086	Si
172	7.6	5.4	7.6	5.4						-224178	SLU 33	-368152	-962923	0.078	Si
230	7.6	5.4	7.6	5.4	40503	SLU 18	140335	962923	0.078	-15828	SLU 19	-113363	-962923	0.078	Si
259	7.6	5.4	7.6	5.4	139261	SLU 36	236703	962923	0.078	63033	SLU 1	-16901	-962923	0.078	Si
316	7.6	5.4	7.6	5.4	320933	SLU 36	395493	962923	0.078						Si
374	7.6	5.4	7.6	5.4	457345	SLU 36	509022	962923	0.078						Si
431	7.6	5.4	7.6	5.4	548495	SLU 36	577289	962923	0.078						Si
489	7.6	5.4	7.6	5.4	594452	SLU 34	600520	962923	0.078						Si
546	7.6	5.4	7.6	5.4	595592	SLU 33	600520	962923	0.078						Si
604	7.6	5.4	7.6	5.4	551971	SLU 33	579620	962923	0.078						Si
661	7.6	5.4	7.6	5.4	463083	SLU 33	513617	962923	0.078						Si
690	7.6	5.4	7.6	5.4	401663	SLU 33	463641	962923	0.078						Si
747	7.6	5.4	7.6	5.4	244870	SLU 33	329735	962923	0.078						Si
805	7.6	5.4	7.6	5.4	58729	SLU 19	150558	962923	0.078	21826	SLU 18	-82361	-962923	0.078	Si
835	7.6	5.4	7.6	5.4	-32416	SLU 1	55853	962923	0.078	-86561	SLU 36	-86561	-962923	0.078	Si
862	7.6	5.4	7.6	5.4						-210757	SLU 36	-146188	-962923	0.078	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-1342254	SLV 3	-1282322	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-1223378	SLV 3	-1223378	-2315301	0.107	Si
57	15.47	5.4	8.78	5.4						-1007900	SLV 3	-1173271	-1896904	0.095	Si
115	11.4	5.4	7.6	5.4	-20045	SLV 13	43154	963377	0.08	-703217	SLV 3	-853586	-1414575	0.086	Si
172	7.6	5.4	7.6	5.4	97729	SLV 13	145983	962923	0.078	-428228	SLV 3	-563580	-962923	0.078	Si
230	7.6	5.4	7.6	5.4	185964	SLV 13	219339	962923	0.078	-182991	SLV 3	-303291	-962923	0.078	Si
259	7.6	5.4	7.6	5.4	219052	SLV 13	245073	962923	0.078	-71577	SLV 3	-184314	-962923	0.078	Si
316	7.6	5.4	7.6	5.4	263613	SLV 13	276646	962923	0.078						Si
374	7.6	5.4	7.6	5.4	312229	SLV 1	382171	962923	0.078						Si
431	7.6	5.4	7.6	5.4	446587	SLV 1	505803	962923	0.078						Si
489	7.6	5.4	7.6	5.4	557142	SLV 3	602166	962923	0.078						Si
546	7.6	5.4	7.6	5.4	639057	SLV 3	669263	962923	0.078						Si
604	7.6	5.4	7.6	5.4	691590	SLV 3	706867	962923	0.078	33664	SLV 13	-30525	-962923	0.078	Si
661	7.6	5.4	7.6	5.4	714575	SLV 3	714969	962923	0.078	-100567	SLV 13	-179775	-962923	0.078	Si
690	7.6	5.4	7.6	5.4	714969	SLV 3	714969	962923	0.078	-178821	SLV 13	-265533	-962923	0.078	Si
747	7.6	5.4	7.6	5.4	693542	SLV 3	708037	962923	0.078	-357592	SLV 13	-459306	-962923	0.078	Si
805	7.6	5.4	7.6	5.4	642485	SLV 3	671961	962923	0.078	-566035	SLV 13	-682748	-962923	0.078	Si
835	7.6	5.4	7.6	5.4	603927	SLV 3	641300	962923	0.078	-686719	SLV 13	-686719	-962923	0.078	Si
862	7.6	5.4	7.6	5.4	561789	SLV 3	561789	962923	0.078	-804144	SLV 13	-743823	-962923	0.078	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-1063913	SLD 3	-1011609	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-960305	SLD 3	-960305	-2315301	0.107	Si
57	15.47	5.4	8.78	5.4						-773453	SLD 3	-916634	-1896904	0.095	Si
86	11.4	5.4	7.6	5.4						-639344	SLD 3	-775028	-1414576	0.086	Si
115	11.4	5.4	7.6	5.4						-512649	SLD 3	-640836	-1414575	0.086	Si
172	7.6	5.4	7.6	5.4	-48988	SLD 13	21416	962923	0.078	-281511	SLD 3	-394698	-962923	0.078	Si
230	7.6	5.4	7.6	5.4	83039	SLD 13	138503	962923	0.078	-80065	SLD 3	-178236	-962923	0.078	Si
259	7.6	5.4	7.6	5.4	137974	SLD 13	186006	962923	0.078	9502	SLD 3	-81145	-962923	0.078	Si
316	7.6	5.4	7.6	5.4	225882	SLD 13	259788	962923	0.078						Si
374	7.6	5.4	7.6	5.4	299070	SLD 1	349804	962923	0.078						Si
431	7.6	5.4	7.6	5.4	393610	SLD 1	431236	962923	0.078						Si
489	7.6	5.4	7.6	5.4	461083	SLD 3	484072	962923	0.078						Si
546	7.6	5.4	7.6	5.4	499353	SLD 3	507428	962923	0.078						Si
604	7.6	5.4	7.6	5.4	508092	SLD 3	508092	962923	0.078						Si
661	7.6	5.4	7.6	5.4	487225	SLD 3	501436	962923	0.078						Si
690	7.6	5.4	7.6	5.4	465682	SLD 3	487383	962923	0.078						Si
747	7.6	5.4	7.6	5.4	400368	SLD 3	437053	962923	0.078	-64418	SLD 13	-143940	-962923	0.078	Si
805	7.6	5.4	7.6	5.4	305412	SLD 3	357083	962923	0.078	-228963	SLD 13	-323479	-962923	0.078	Si
835	7.6	5.4	7.6	5.4	243947	SLD 3	303517	962923	0.078	-326740	SLD 13	-326740	-962923	0.078	Si
862	7.6	5.4	7.6	5.4	180810	SLD 3	180810	962923	0.078	-423165	SLD 13	-373338	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.47	0	7113	SLU 33	7113	11178	68363	0	11178	1	Si
20	0.06	11.4	0	6839	SLU 33	6839	10097	68363	7017	10097	1	Si
57	0.06	11.4	0	6326	SLU 33	6326	10097	68363	7017	10097	1	Si
115	0.06	7.6	0	5539	SLU 33	5539	8821	68363	7017	8821	1	Si
172	0.06	7.6	0	4752	SLU 33	4752	8821	68363	7017	8821	1	Si
230	0.06	7.6	0	3964	SLU 33	3964	8821	68363	7017	8821	1	Si
259	0.06	7.6	0	3571	SLU 33	3571	8821	68363	7017	8821	1	Si
316	0.06	7.6	0	2784	SLU 33	2784	8821	68363	7017	8821	1	Si
374	0.06	7.6	0	1997	SLU 33	1997	8821	68363	7017	8821	1	Si
431	0.06	7.6	0	1209	SLU 33	1209	8821	68363	7017	8821	1	Si
489	0.06	7.6	0	437	SLU 19	437	8821	68363	7017	8821	1	Si
546	0.06	7.6	0	-383	SLU 36	-383	-8821	-68363	-7017	-8821	1	Si
604	0.06	7.6	0	-1170	SLU 36	-1170	-8821	-68363	-7017	-8821	1	Si
661	0.06	7.6	0	-1957	SLU 36	-1957	-8821	-68363	-7017	-8821	1	Si
690	0.06	7.6	0	-2351	SLU 36	-2351	-8821	-68363	-7017	-8821	1	Si
747	0.06	7.6	0	-3138	SLU 36	-3138	-8821	-68363	-7017	-8821	1	Si
805	0.06	7.6	0	-3926	SLU 36	-3926	-8821	-68363	-7017	-8821	1	Si
835	0.06	7.6	0	-4336	SLU 36	-4336	-8821	-68363	-7017	-8821	1	Si
862	0	7.6	0	-4713	SLU 36	-4713	-8821	-68363	0	-8821	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.47	0	6074	SLV 3	6430	11178	68363	0	11178	1	Si
20	0.06	11.4	0	5894	SLV 3	6251	10097	68363	7017	10097	1	Si
57	0.06	11.4	0	5558	SLV 3	5914	10097	68363	7017	10097	1	Si
115	0.06	7.6	0	5043	SLV 3	5399	8821	68363	7017	8821	1	Si
172	0.06	7.6	0	4527	SLV 3	4883	8821	68363	7017	8821	1	Si
230	0.06	7.6	0	4012	SLV 3	4368	8821	68363	7017	8821	1	Si
259	0.06	7.6	0	3754	SLV 3	4110	8821	68363	7017	8821	1	Si
316	0.06	7.6	0	3238	SLV 3	3594	8821	68363	7017	8821	1	Si
374	0.06	7.6	0	2723	SLV 3	3079	8821	68363	7017	8821	1	Si
374	0.06	7.6	0	-17	SLV 13	-373	-8821	-68363	-7017	-8821	1	Si
431	0.06	7.6	0	2207	SLV 3	2563	8821	68363	7017	8821	1	Si
431	0.06	7.6	0	-532	SLV 13	-888	-8821	-68363	-7017	-8821	1	Si
489	0.06	7.6	0	1691	SLV 3	2047	8821	68363	7017	8821	1	Si
489	0.06	7.6	0	-1048	SLV 13	-1404	-8821	-68363	-7017	-8821	1	Si
546	0.06	7.6	0	1176	SLV 3	1532	8821	68363	7017	8821	1	Si
546	0.06	7.6	0	-1563	SLV 13	-1919	-8821	-68363	-7017	-8821	1	Si
604	0.06	7.6	0	660	SLV 3	1016	8821	68363	7017	8821	1	Si
604	0.06	7.6	0	-2079	SLV 13	-2435	-8821	-68363	-7017	-8821	1	Si
661	0.06	7.6	0	144	SLV 3	500	8821	68363	7017	8821	1	Si
661	0.06	7.6	0	-2595	SLV 13	-2951	-8821	-68363	-7017	-8821	1	Si
690	0.06	7.6	0	-113	SLV 3	243	8821	68363	7017	8821	1	Si
690	0.06	7.6	0	-2853	SLV 13	-3209	-8821	-68363	-7017	-8821	1	Si
747	0.06	7.6	0	-3368	SLV 13	-3724	-8821	-68363	-7017	-8821	1	Si
805	0.06	7.6	0	-3884	SLV 13	-4240	-8821	-68363	-7017	-8821	1	Si
835	0.06	7.6	0	-4153	SLV 13	-4509	-8821	-68363	-7017	-8821	1	Si
862	0	7.6	0	-4400	SLV 13	-4756	-8821	-68363	0	-8821	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.47	0	5310	SLD 3	5310	11178	68363	0	11178	1	Si
20	0.06	11.4	0	5130	SLD 3	5130	10097	68363	7017	10097	1	Si
57	0.06	11.4	0	4794	SLD 3	4794	10097	68363	7017	10097	1	Si
115	0.06	7.6	0	4279	SLD 3	4279	8821	68363	7017	8821	1	Si
172	0.06	7.6	0	3763	SLD 3	3763	8821	68363	7017	8821	1	Si
230	0.06	7.6	0	3248	SLD 3	3248	8821	68363	7017	8821	1	Si
259	0.06	7.6	0	2990	SLD 3	2990	8821	68363	7017	8821	1	Si
316	0.06	7.6	0	2474	SLD 3	2474	8821	68363	7017	8821	1	Si
374	0.06	7.6	0	1959	SLD 3	1959	8821	68363	7017	8821	1	Si
431	0.06	7.6	0	1443	SLD 3	1443	8821	68363	7017	8821	1	Si
489	0.06	7.6	0	927	SLD 3	927	8821	68363	7017	8821	1	Si
489	0.06	7.6	0	-284	SLD 13	-284	-8821	-68363	-7017	-8821	1	Si
546	0.06	7.6	0	412	SLD 3	412	8821	68363	7017	8821	1	Si
546	0.06	7.6	0	-799	SLD 13	-799	-8821	-68363	-7017	-8821	1	Si
604	0.06	7.6	0	-1315	SLD 13	-1315	-8821	-68363	-7017	-8821	1	Si
661	0.06	7.6	0	-1831	SLD 13	-1831	-8821	-68363	-7017	-8821	1	Si
690	0.06	7.6	0	-2089	SLD 13	-2089	-8821	-68363	-7017	-8821	1	Si
747	0.06	7.6	0	-2604	SLD 13	-2604	-8821	-68363	-7017	-8821	1	Si
805	0.06	7.6	0	-3120	SLD 13	-3120	-8821	-68363	-7017	-8821	1	Si
835	0.06	7.6	0	-3389	SLD 13	-3389	-8821	-68363	-7017	-8821	1	Si
862	0	7.6	0	-3636	SLD 13	-3636	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-926486	6	-874927	28.4	124.5	801.2	1837	-847635	1	-801295	26	93.4	0	+∞	Si
20	-824499	6	-824499	26.8	124.5	755	1837	-755964	1	-755964	24.6	93.4	0	+∞	Si
57	-641585	6	-781511	26.7	124.5	869.7	1837	-591492	1	-717325	24.5	93.4	0	+∞	Si
115	-389940	6	-513052	19.8	124.5	766.5	1837	-364994	1	-475839	18.4	93.4	0	+∞	Si
172	-171550	6	-277850	7.2	124.5	108.6	1837	-168139	1	-263998	11.8	93.4	0	+∞	Si
230	16946	9	97494	2.5	124.5	38.1	1837	1487	2	74459	3.3	93.4	0	+∞	Si
230	-930	1	-81801	2.1	124.5	32	1837	-930	1	-81801	3.7	93.4	0	+∞	Si
259	96699	9	168840	4.4	124.5	66	1837	73738	2	139216	6.2	93.4	0	+∞	Si
316	231261	9	286587	7.5	124.5	112	1837	196005	2	246495	11.1	93.4	0	+∞	Si
374	332563	9	371074	9.7	124.5	145	1837	288625	2	324127	14.5	93.4	0	+∞	Si
431	400605	9	422300	11	124.5	165.1	1837	351598	2	372111	16.7	93.4	0	+∞	Si
489	435432	7	440415	11.5	124.5	172.1	1837	384923	2	390468	17.5	93.4	0	+∞	Si
546	437296	6	440415	11.5	124.5	172.1	1837	388783	1	390468	17.5	93.4	0	+∞	Si
604	406233	6	426049	11.1	124.5	166.5	1837	363283	1	379840	17	93.4	0	+∞	Si
661	341906	6	378539	9.9	124.5	148	1837	308133	1	339680	15.2	93.4	0	+∞	Si
690	297268	6	342310	8.9	124.5	133.8	1837	269439	1	308482	13.8	93.4	0	+∞	Si
747	183043	6	244903	6.4	124.5	95.7	1837	169813	1	223846	10	93.4	0	+∞	Si
805	40536	1	114229	3	124.5	44.6	1837	40536	1	109559	4.9	93.4	0	+∞	Si
835	-58605	9	-58605	1.5	124.5	22.9	1837	-41396	2	-41396	1.9	93.4	0	+∞	Si
862	-149359	9	-102166	2.7	124.5	39.9	1837	-121178	2	-79668	3.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	0	0	-0.001	0	0	-0.001	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
57	0.002	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.002	2	9999	Si
115	0.01	0.007	0.008	0.006	0.008	0.007	0.006	0.006	0.008	0.007	0.017	2	0.017	2	9999	Si
172	0.022	0.018	0.019	0.015	0.018	0.018	0.015	0.015	0.018	0.018	0.041	2	0.04	2	9999	Si
230	0.035	0.029	0.031	0.026	0.03	0.029	0.026	0.026	0.03	0.029	0.068	2	0.067	2	9999	Si
259	0.042	0.035	0.037	0.031	0.036	0.035	0.031	0.031	0.036	0.035	0.082	2	0.081	2	9999	Si
316	0.055	0.046	0.048	0.041	0.047	0.046	0.041	0.041	0.047	0.046	0.108	2	0.107	2	7974	Si
374	0.065	0.056	0.057	0.049	0.056	0.056	0.05	0.049	0.056	0.056	0.13	2	0.129	2	6650	Si
431	0.071	0.062	0.064	0.055	0.062	0.062	0.055	0.055	0.062	0.062	0.144	2	0.144	2	5974	Si
489	0.074	0.065	0.066	0.058	0.065	0.065	0.058	0.058	0.065	0.065	0.151	2	0.15	2	5724	Si
546	0.072	0.063	0.065	0.057	0.064	0.063	0.057	0.057	0.064	0.063	0.148	2	0.148	2	5835	Si
604	0.066	0.058	0.059	0.052	0.058	0.058	0.052	0.052	0.058	0.058	0.136	2	0.136	2	6357	Si
661	0.056	0.049	0.05	0.044	0.049	0.049	0.044	0.044	0.049	0.049	0.115	2	0.115	2	7505	Si
690	0.05	0.044	0.044	0.039	0.044	0.044	0.039	0.039	0.044	0.044	0.102	2	0.102	2	8481	Si
747	0.034	0.03	0.031	0.027	0.031	0.03	0.027	0.027	0.031	0.03	0.071	1	0.071	1	9999	Si
805	0.017	0.015	0.015	0.014	0.015	0.015	0.014	0.014	0.015	0.015	0.036	1	0.036	1	9999	Si
835	0.008	0.007	0.007	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.017	1	0.017	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	4525	1726	10097	SLV 3	0.57	2474	1.666	-751821	-471557	-2315301	SLV 3	0.57	2474	1.666	Si
57	4189	1726	10097	SLV 3	0.57	2474	1.666	-713251	-460021	-1896904	SLV 3	0.57	2474	1.666	Si
115	3673	1726	8821	SLV 3	0.57	2474	1.666	-472238	-381348	-1414575	SLV 3	0.57	2474	1.666	Si
172	3158	1726	8821	SLV 3	0.57	2474	1.666	-260869	-302712	-962923	SLV 3	0.57	2474	1.666	Si
230	2642	1726	8821	SLV 3	0.57	2474	1.666	-79145	-224146	-962923	SLV 3	0.57	2474	1.666	Si
259	2384	1726	8821	SLV 3	0.57	2474	1.666	600	184914	962923	SLV 13	0.57	2474	1.666	Si
316	1869	1726	8821	SLV 3	0.57	2474	1.666	137855	106721	962923	SLV 13	0.57	2474	1.666	Si
374	1353	1726	8821	SLV 3	0.57	2474	1.666	324127	58044	962923	SLV 1	0.57	2474	1.666	Si
431	837	1726	8821	SLV 3	0.57	2474	1.666	372111	133692	962923	SLV 1	0.57	2474	1.666	Si
489	322	1726	8821	SLV 3	0.57	2474	1.666	390447	211719	962923	SLV 3	0.57	2474	1.666	Si
546	-194	-1726	-8821	SLV 13	0.57	2474	1.666	379134	290129	962923	SLV 3	0.57	2474	1.666	Si
604	-710	-1726	-8821	SLV 13	0.57	2474	1.666	338171	368696	962923	SLV 3	0.57	2474	1.666	Si
661	-1225	-1726	-8821	SLV 13	0.57	2474	1.666	268074	446895	962923	SLV 3	0.55	2238	1.599	Si
690	-1483	-1726	-8821	SLV 13	0.57	2474	1.666	221133	486666	962923	SLV 3	0.54	2122	1.565	Si
747	-1999	-1726	-8821	SLV 13	0.57	2474	1.666	106043	565350	962923	SLV 3	0.54	2090	1.555	Si
805	-2514	-1726	-8821	SLV 13	0.57	2474	1.666	-38698	-644050	-962923	SLV 13	0.51	1806	1.465	Si
835	-2783	-1726	-8821	SLV 13	0.57	2474	1.666	-41396	-645323	-962923	SLV 13	0.51	1782	1.457	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	4525	606	10097	SLD 3	0.6	2474	4.193	-751821	-208485	-2315301	SLD 3	0.6	2474	4.193	Si
57	4189	606	10097	SLD 3	0.6	2474	4.193	-713251	-203384	-1896904	SLD 3	0.6	2474	4.193	Si
115	3673	606	8821	SLD 3	0.6	2474	4.193	-472238	-168599	-1414575	SLD 3	0.6	2474	4.193	Si
172	3158	606	8821	SLD 3	0.6	2474	4.193	-260869	-133829	-962923	SLD 3	0.6	2474	4.193	Si
230	2642	606	8821	SLD 3	0.6	2474	4.193	-79145	-99091	-962923	SLD 3	0.6	2474	4.193	Si
259	2384	606	8821	SLD 3	0.6	2474	4.193	600	81745	962923	SLD 13	0.6	2474	4.193	Si
316	1869	606	8821	SLD 3	0.6	2474	4.193	137855	47172	962923	SLD 13	0.6	2474	4.193	Si
374	1353	606	8821	SLD 3	0.6	2474	4.193	324127	25677	962923	SLD 1	0.6	2474	4.193	Si
431	837	606	8821	SLD 3	0.6	2474	4.193	372111	59125	962923	SLD 1	0.6	2474	4.193	Si
489	322	606	8821	SLD 3	0.6	2474	4.193	390447	93625	962923	SLD 3	0.6	2474	4.193	Si
546	-194	-606	-8821	SLD 13	0.6	2474	4.193	379134	128294	962923	SLD 3	0.6	2474	4.193	Si
604	-710	-606	-8821	SLD 13	0.6	2474	4.193	338171	163033	962923	SLD 3	0.51	1758	3.645	Si
661	-1225	-606	-8821	SLD 13	0.6	2474	4.193	267558	197802	962923	SLD 3	0.47	1397	3.317	Si
690	-1483	-606	-8821	SLD 13	0.6	2474	4.193	221133	215193	962923	SLD 3	0.46	1326	3.247	Si
747	-1999	-606	-8821	SLD 13	0.6	2474	4.193	106043	249983	962923	SLD 3	0.46	1307	3.228	Si
805	-2514	-606	-8821	SLD 13	0.6	2474	4.193	-38698	-284781	-962923	SLD 13	0.43	1131	3.042	Si
835	-2783	-606	-8821	SLD 13	0.6	2474	4.193	-41396	-285343	-962923	SLD 13	0.43	1117	3.026	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" 9-(4161; 4896)

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x50	Rettangolare	30	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 9 - 2, sezione R 30x50, asta 925

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	71744	SLU 18	71744	943473	0.135	-67989	SLU 19	-43956	-644450	0.121	Si
24	7.6	5.4	11.4	5.4	78907	SLU 18	78907	943473	0.135	-41846	SLU 19	-37439	-644450	0.121	Si
45	7.6	5.4	11.4	5.4	83544	SLU 18	86678	943473	0.135	-21191	SLU 19	-21191	-644450	0.121	Si
72	7.6	5.4	11.4	5.4	87538	SLU 18	88840	943473	0.135	3038	SLU 19	-14538	-644450	0.121	Si
96	7.6	5.4	11.4	5.4	89006	SLU 18	91454	943473	0.135						Si
108	7.6	5.4	11.4	5.4	90166	SLU 36	92973	943473	0.135						Si
132	7.6	5.4	11.4	5.4	93410	SLU 36	94160	943473	0.135						Si
144	7.6	5.4	11.4	5.4	94107	SLU 36	94186	943473	0.135						Si
157	7.6	5.4	11.4	5.4	94186	SLU 36	94186	943473	0.135						Si
181	7.6	5.4	11.4	5.4	92665	SLU 30	94007	943473	0.135						Si
205	7.6	5.4	11.4	5.4	88907	SLU 30	92142	943473	0.135						Si
229	7.6	5.4	11.4	5.4	82682	SLU 30	87974	943473	0.135						Si
253	7.6	5.4	11.4	5.4	83428	SLU 19	83851	943473	0.135						Si
265	7.6	5.4	11.4	5.4	83851	SLU 19	83851	943473	0.135						Si
289	7.6	5.4	11.4	5.4	82847	SLU 19	83787	943473	0.135						Si
313	7.6	5.4	11.4	5.4	79375	SLU 19	82372	943473	0.135						Si
331	7.6	5.4	11.4	5.4	75048	SLU 19	79700	943473	0.135						Si
337	7.6	5.4	11.4	5.4	73435	SLU 19	73435	943473	0.135	-732	SLU 18	-577	-644450	0.121	Si
361	7.6	5.4	11.4	5.4	65027	SLU 19	65027	943473	0.135	-20147	SLU 18	-8306	-644450	0.121	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	1480253	SLV 7	1325996	943473	0.135	-1489154	SLV 9	-1306534	-644450	0.121	No
24	7.6	5.4	11.4	5.4	1301553	SLV 7	1274089	943473	0.135	-1280142	SLV 9	-1247438	-644450	0.121	No
45	7.6	5.4	11.4	5.4	1144683	SLV 7	1144683	943473	0.135	-1100107	SLV 9	-1100107	-644450	0.121	No
72	7.6	5.4	11.4	5.4	938475	SLV 7	1090666	943473	0.135	-867831	SLV 9	-1038801	-644450	0.121	No
96	7.6	5.4	11.4	5.4	754106	SLV 7	907867	943473	0.135	-664540	SLV 9	-833916	-644450	0.121	No

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
108	7.6	5.4	11.4	5.4	661218	SLV 7	815761	943473	0.135	-563616	SLV 9	-732191	-644450	0.121	No
132	7.6	5.4	11.4	5.4	474057	SLV 7	630144	943473	0.135	-363229	SLV 9	-530183	-644450	0.121	Si
157	7.6	5.4	11.4	5.4	285136	SLV 7	442682	943473	0.135	-164879	SLV 9	-330127	-644450	0.121	Si
181	7.6	5.4	11.4	5.4	95287	SLV 7	253519	943473	0.135	30603	SLV 9	-132166	-644450	0.121	Si
205	7.6	5.4	11.4	5.4	228017	SLV 5	388464	943473	0.135	-100292	SLV 11	-262216	-644450	0.121	Si
229	7.6	5.4	11.4	5.4	420438	SLV 5	579594	943473	0.135	-294675	SLV 11	-458473	-644450	0.121	Si
253	7.6	5.4	11.4	5.4	611284	SLV 5	768924	943473	0.135	-491279	SLV 11	-656726	-644450	0.121	No
265	7.6	5.4	11.4	5.4	706028	SLV 9	862892	943473	0.135	-590326	SLV 7	-756579	-644450	0.121	No
289	7.6	5.4	11.4	5.4	894119	SLV 9	1049417	943473	0.135	-789871	SLV 7	-957723	-644450	0.121	No
313	7.6	5.4	11.4	5.4	1080331	SLV 9	1219431	943473	0.135	-991334	SLV 7	-1144562	-644450	0.121	No
331	7.6	5.4	11.4	5.4	1219431	SLV 9	1219431	943473	0.135	-1144562	SLV 7	-1144562	-644450	0.121	No
337	7.6	5.4	11.4	5.4	1264656	SLV 9	1263052	943473	0.135	-1194705	SLV 7	-1192930	-644450	0.121	No
361	7.6	5.4	11.4	5.4	1447087	SLV 9	1342007	943473	0.135	-1399981	SLV 7	-1280479	-644450	0.121	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	652477	SLD 7	592131	943473	0.135	-661378	SLD 9	-572669	-644450	0.121	Si
24	7.6	5.4	11.4	5.4	581859	SLD 7	571168	943473	0.135	-560449	SLD 9	-544517	-644450	0.121	Si
45	7.6	5.4	11.4	5.4	518908	SLD 7	518908	943473	0.135	-474332	SLD 9	-474332	-644450	0.121	Si
72	7.6	5.4	11.4	5.4	434935	SLD 7	497039	943473	0.135	-364292	SLD 9	-445174	-644450	0.121	Si
96	7.6	5.4	11.4	5.4	358634	SLD 7	422315	943473	0.135	-269068	SLD 9	-348364	-644450	0.121	Si
108	7.6	5.4	11.4	5.4	319775	SLD 7	384243	943473	0.135	-222173	SLD 9	-300672	-644450	0.121	Si
132	7.6	5.4	11.4	5.4	240650	SLD 7	306683	943473	0.135	-129822	SLD 9	-206722	-644450	0.121	Si
157	7.6	5.4	11.4	5.4	159688	SLD 7	227249	943473	0.135	-39431	SLD 9	-114694	-644450	0.121	Si
181	7.6	5.4	11.4	5.4	77257	SLD 7	146004	943473	0.135	48633	SLD 9	-24652	-644450	0.121	Si
205	7.6	5.4	11.4	5.4	136492	SLD 5	207072	943473	0.135	-8767	SLD 11	-80824	-644450	0.121	Si
229	7.6	5.4	11.4	5.4	221085	SLD 5	290211	943473	0.135	-95321	SLD 11	-169090	-644450	0.121	Si
253	7.6	5.4	11.4	5.4	303922	SLD 5	371495	943473	0.135	-183916	SLD 11	-259297	-644450	0.121	Si
265	7.6	5.4	11.4	5.4	344642	SLD 9	411431	943473	0.135	-228940	SLD 7	-305119	-644450	0.121	Si
289	7.6	5.4	11.4	5.4	424673	SLD 9	489887	943473	0.135	-320424	SLD 7	-398193	-644450	0.121	Si
313	7.6	5.4	11.4	5.4	502813	SLD 9	560421	943473	0.135	-413815	SLD 7	-485552	-644450	0.121	Si
331	7.6	5.4	11.4	5.4	560421	SLD 9	560421	943473	0.135	-485552	SLD 7	-485552	-644450	0.121	Si
337	7.6	5.4	11.4	5.4	579060	SLD 9	578398	943473	0.135	-509109	SLD 7	-508276	-644450	0.121	Si
361	7.6	5.4	11.4	5.4	653411	SLD 9	610937	943473	0.135	-606305	SLD 7	-549409	-644450	0.121	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1217	SLU 19	1217	6102	35398	0	6102	1	Si
24	0	7.6	0	1107	SLU 19	1107	6102	35398	0	6102	1	Si
45	0.157	7.6	0	1012	SLU 19	1012	6102	35398	12600	12600	1	Si
72	0.157	11.4	0	888	SLU 19	888	6985	35398	12600	12600	1	Si
96	0.141	11.4	0	778	SLU 19	778	6985	35398	11324	11324	1	Si
108	0.141	11.4	0	723	SLU 19	723	6985	35398	11324	11324	1	Si
108	0.141	11.4	0	-19	SLU 18	-19	-6985	-35398	-11324	-11324	1	Si
132	0.141	11.4	0	613	SLU 19	613	6985	35398	11324	11324	1	Si
132	0.141	11.4	0	-104	SLU 18	-104	-6985	-35398	-11324	-11324	1	Si
157	0.141	11.4	0	504	SLU 19	504	6985	35398	11324	11324	1	Si
157	0.141	11.4	0	-188	SLU 18	-188	-6985	-35398	-11324	-11324	1	Si
181	0.141	11.4	0	394	SLU 19	394	6985	35398	11324	11324	1	Si
181	0.141	11.4	0	-272	SLU 18	-272	-6985	-35398	-11324	-11324	1	Si
205	0.141	11.4	0	284	SLU 19	284	6985	35398	11324	11324	1	Si
205	0.141	11.4	0	-357	SLU 18	-357	-6985	-35398	-11324	-11324	1	Si
229	0.141	11.4	0	175	SLU 19	175	6985	35398	11324	11324	1	Si
229	0.141	11.4	0	-441	SLU 18	-441	-6985	-35398	-11324	-11324	1	Si
253	0.141	11.4	0	65	SLU 19	65	6985	35398	11324	11324	1	Si
253	0.141	11.4	0	-525	SLU 18	-525	-6985	-35398	-11324	-11324	1	Si
265	0.141	11.4	0	10	SLU 19	10	6985	35398	11324	11324	1	Si
265	0.141	11.4	0	-568	SLU 18	-568	-6985	-35398	-11324	-11324	1	Si
289	0.161	11.4	0	-652	SLU 18	-652	-6985	-35398	-12892	-12892	1	Si
313	0.161	11.4	0	-736	SLU 18	-736	-6985	-35398	-12892	-12892	1	Si
331	0.161	11.4	0	-816	SLU 36	-816	-6985	-35398	-12892	-12892	1	Si
337	0	11.4	0	-843	SLU 36	-843	-6985	-35398	0	-6985	1	Si
361	0	11.4	0	-953	SLU 36	-953	-6985	-35398	0	-6985	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	9332	SLV 9	11572	6102	35398	0	6102	1	Si
0	0	11.4	0	-7901	SLV 7	-10141	-6985	-35398	0	-6985	1	Si
24	0	7.6	0	9248	SLV 9	11488	6102	35398	0	6102	1	Si
24	0	11.4	0	-7985	SLV 7	-10225	-6985	-35398	0	-6985	1	Si
45	0.157	7.6	0	9175	SLV 9	11415	6102	35398	12600	12600	1	Si
45	0.157	11.4	0	-8058	SLV 7	-10299	-6985	-35398	-12600	-12600	1	Si
72	0.157	7.6	0	9079	SLV 9	11319	6102	35398	12600	12600	1	Si
72	0.157	11.4	0	-8154	SLV 7	-10394	-6985	-35398	-12600	-12600	1	Si
96	0.141	7.6	0	8995	SLV 9	11235	6102	35398	11324	11324	1	Si
96	0.141	11.4	0	-8238	SLV 7	-10478	-6985	-35398	-11324	-11324	1	Si
108	0.141	7.6	0	8953	SLV 9	11193	6102	35398	11324	11324	1	Si
108	0.141	11.4	0	-8280	SLV 7	-10521	-6985	-35398	-11324	-11324	1	Si
132	0.141	7.6	0	8868	SLV 9	11108	6102	35398	11324	11324	1	Si
132	0.141	11.4	0	-8365	SLV 7	-10605	-6985	-35398	-11324	-11324	1	Si
157	0.141	7.6	0	8784	SLV 9	11024	6102	35398	11324	11324	1	Si
157	0.141	11.4	0	-8449	SLV 7	-10689	-6985	-35398	-11324	-11324	1	Si
181	0.141	11.4	0	8699	SLV 9	10940	6985	35398	11324	11324	1	Si
181	0.141	11.4	0	-8533	SLV 7	-10774	-6985	-35398	-11324	-11324	1	Si
205	0.141	11.4	0	8615	SLV 9	10855	6985	35398	11324	11324	1	Si
205	0.141	7.6	0	-8618	SLV 7	-10858	-6102	-35398	-11324	-11324	1	Si
229	0.141	11.4	0	8531	SLV 9	10771	6985	35398	11324	11324	1	Si
229	0.141	7.6	0	-8702	SLV 7	-10942	-6102	-35398	-11324	-11324	1	Si
253	0.141	11.4	0	8446	SLV 9	10687	6985	35398	11324	11324	1	Si
253	0.141	7.6	0	-8787	SLV 7	-11027	-6102	-35398	-11324	-11324	1	Si
265	0.141	11.4	0	8404	SLV 9	10644	6985	35398	11324	11324	1	Si
265	0.141	7.6	0	-8829	SLV 7	-11069	-6102	-35398	-11324	-11324	1	Si
289	0.161	11.4	0	8320	SLV 9	10560	6985	35398	12892	12892	1	Si
289	0.161	7.6	0	-8913	SLV 7	-11153	-6102	-35398	-12892	-12892	1	Si
313	0.161	11.4	0	8235	SLV 9	10476	6985	35398	12892	12892	1	Si
313	0.161	7.6	0	-8998	SLV 7	-11238	-6102	-35398	-12892	-12892	1	Si
331	0.161	11.4	0	8172	SLV 9	10412	6985	35398	12892	12892	1	Si
331	0.161	7.6	0	-9061	SLV 7	-11301	-6102	-35398	-12892	-12892	1	Si
337	0	11.4	0	8151	SLV 9	10391	6985	35398	0	6985	1	Si
337	0	7.6	0	-9082	SLV 7	-11322	-6102	-35398	0	-6102	1	Si
361	0	11.4	0	8067	SLV 9	10307	6985	35398	0	6985	1	Si
361	0	7.6	0	-9166	SLV 7	-11407	-6102	-35398	0	-6102	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4528	SLD 9	4528	6102	35398	0	6102	1	Si
0	0	11.4	0	-3097	SLD 7	-3097	-6985	-35398	0	-6985	1	Si
24	0	7.6	0	4444	SLD 9	4444	6102	35398	0	6102	1	Si
24	0	11.4	0	-3181	SLD 7	-3181	-6985	-35398	0	-6985	1	Si
45	0.157	7.6	0	4371	SLD 9	4371	6102	35398	12600	12600	1	Si
45	0.157	11.4	0	-3254	SLD 7	-3254	-6985	-35398	-12600	-12600	1	Si
72	0.157	7.6	0	4275	SLD 9	4275	6102	35398	12600	12600	1	Si
72	0.157	11.4	0	-3350	SLD 7	-3350	-6985	-35398	-12600	-12600	1	Si
96	0.141	7.6	0	4191	SLD 9	4191	6102	35398	11324	11324	1	Si
96	0.141	11.4	0	-3434	SLD 7	-3434	-6985	-35398	-11324	-11324	1	Si
108	0.141	7.6	0	4149	SLD 9	4149	6102	35398	11324	11324	1	Si
108	0.141	11.4	0	-3476	SLD 7	-3476	-6985	-35398	-11324	-11324	1	Si
132	0.141	7.6	0	4064	SLD 9	4064	6102	35398	11324	11324	1	Si
132	0.141	11.4	0	-3561	SLD 7	-3561	-6985	-35398	-11324	-11324	1	Si
157	0.141	7.6	0	3980	SLD 9	3980	6102	35398	11324	11324	1	Si
157	0.141	11.4	0	-3645	SLD 7	-3645	-6985	-35398	-11324	-11324	1	Si
181	0.141	11.4	0	3895	SLD 9	3895	6985	35398	11324	11324	1	Si
181	0.141	11.4	0	-3729	SLD 7	-3729	-6985	-35398	-11324	-11324	1	Si
205	0.141	11.4	0	3811	SLD 9	3811	6985	35398	11324	11324	1	Si
205	0.141	7.6	0	-3814	SLD 7	-3814	-6102	-35398	-11324	-11324	1	Si
229	0.141	11.4	0	3727	SLD 9	3727	6985	35398	11324	11324	1	Si
229	0.141	7.6	0	-3898	SLD 7	-3898	-6102	-35398	-11324	-11324	1	Si
253	0.141	11.4	0	3642	SLD 9	3642	6985	35398	11324	11324	1	Si
253	0.141	7.6	0	-3983	SLD 7	-3983	-6102	-35398	-11324	-11324	1	Si
265	0.141	11.4	0	3600	SLD 9	3600	6985	35398	11324	11324	1	Si
265	0.141	7.6	0	-4025	SLD 7	-4025	-6102	-35398	-11324	-11324	1	Si
289	0.161	11.4	0	3516	SLD 9	3516	6985	35398	12892	12892	1	Si
289	0.161	7.6	0	-4109	SLD 7	-4109	-6102	-35398	-12892	-12892	1	Si
313	0.161	11.4	0	3431	SLD 9	3431	6985	35398	12892	12892	1	Si
313	0.161	7.6	0	-4194	SLD 7	-4194	-6102	-35398	-12892	-12892	1	Si
331	0.161	11.4	0	3368	SLD 9	3368	6985	35398	12892	12892	1	Si
331	0.161	7.6	0	-4257	SLD 7	-4257	-6102	-35398	-12892	-12892	1	Si
337	0	11.4	0	3347	SLD 9	3347	6985	35398	0	6985	1	Si
337	0	7.6	0	-4278	SLD 7	-4278	-6102	-35398	0	-6102	1	Si
361	0	11.4	0	3263	SLD 9	3263	6985	35398	0	6985	1	Si
361	0	7.6	0	-4362	SLD 7	-4362	-6102	-35398	0	-6102	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	18141	9	18141	1.5	124.5	40.5	1837								Si
0	-29321	1	-12923	1.1	124.5	42.5	1837	-29321	1	-12923	1.1	93.4	0	+∞	Si
24	30903	9	30903	2.5	124.5	68.9	1837	10705	2	10705	0.9	93.4	0	+∞	Si
24	-11615	1	-8599	0.7	124.5	28.3	1837	-11615	1	-8599	0.7	93.4	0	+∞	Si
45	40404	9	48204	3.9	124.5	107.5	1837	22288	2	32084	2.6	93.4	0	+∞	Si
72	50730	9	56698	4.6	124.5	126.5	1837	35322	2	43287	3.5	93.4	0	+∞	Si
96	57795	9	62182	5.1	124.5	138.7	1837	44783	2	51165	4.2	93.4	0	+∞	Si
108	60616	9	64211	5.2	124.5	143.3	1837	48801	2	54392	4.4	93.4	0	+∞	Si
132	64834	9	66847	5.5	124.5	149.1	1837	55414	2	59423	4.8	93.4	0	+∞	Si
157	67154	9	67653	5.5	124.5	150.9	1837	60129	2	62555	5.1	93.4	0	+∞	Si
181	67689	3	67689	5.5	124.5	151	1837	62945	2	63789	5.2	93.4	0	+∞	Si
205	66480	3	67567	5.5	124.5	150.7	1837	63862	2	63862	5.2	93.4	0	+∞	Si
229	63372	3	66041	5.4	124.5	147.3	1837	62882	2	63778	5.2	93.4	0	+∞	Si
253	61907	1	62629	5.1	124.5	139.7	1837	61907	1	62481	5.1	93.4	0	+∞	Si
265	61030	1	62175	5.1	124.5	138.7	1837	61030	1	62175	5.1	93.4	0	+∞	Si
289	57854	1	60581	4.9	124.5	135.2	1837	57854	1	60581	4.9	93.4	0	+∞	Si
313	52778	1	57088	4.7	124.5	127.4	1837	52778	1	57088	4.7	93.4	0	+∞	Si
331	47637	1	53220	4.3	124.5	118.7	1837	47637	1	53220	4.3	93.4	0	+∞	Si
337	45805	1	45805	3.7	124.5	102.2	1837	45805	1	45805	3.7	93.4	0	+∞	Si
361	36932	1	36932	3	124.5	82.4	1837	36932	1	36932	3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
24	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.004	2	0.003	2	9999	Si
45	0.004	0.002	0.004	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.007	2	0.006	2	9999	Si
72	0.006	0.004	0.006	0.004	0.005	0.004	0.005	0.004	0.005	0.004	0.011	2	0.009	2	9999	Si
96	0.007	0.005	0.007	0.005	0.006	0.005	0.006	0.005	0.006	0.005	0.014	2	0.012	2	9999	Si
108	0.008	0.006	0.008	0.006	0.007	0.006	0.007	0.006	0.007	0.006	0.015	2	0.013	2	9999	Si
132	0.009	0.007	0.008	0.006	0.008	0.007	0.008	0.006	0.008	0.007	0.018	2	0.015	2	9999	Si
157	0.009	0.007	0.009	0.007	0.009	0.007	0.008	0.007	0.008	0.007	0.019	2	0.017	2	9999	Si
181	0.009	0.008	0.009	0.007	0.009	0.008	0.009	0.007	0.009	0.008	0.02	2	0.017	2	9999	Si
193	0.009	0.008	0.009	0.008	0.009	0.008	0.008	0.008	0.009	0.008	0.02	2	0.018	2	9999	Si
205	0.009	0.008	0.009	0.008	0.009	0.008	0.008	0.008	0.009	0.008	0.019	2	0.018	2	9999	Si
229	0.009	0.008	0.008	0.007	0.008	0.008	0.008	0.007	0.008	0.008	0.018	2	0.017	2	9999	Si
253	0.008	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.017	2	0.016	2	9999	Si
265	0.007	0.007	0.007	0.006	0.007	0.007	0.007	0.006	0.007	0.007	0.015	2	0.015	2	9999	Si
289	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.012	2	0.012	2	9999	Si
313	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.009	2	0.009	2	9999	Si
331	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.006	2	9999	Si
337	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
45	558	10857	12600	SLV 9	0.4	916	1.109	22288	-1122395	-644450	SLV 9	0.22	220	0.618	No
72	463	10857	12600	SLV 9	0.41	934	1.118	25932	-1064733	-644450	SLV 9	0.23	249	0.65	No
96	378	10857	11324	SLV 9	0.37	726	1.008	36975	-870892	-644450	SLV 9	0.29	401	0.79	No
108	336	10857	11324	SLV 9	0.37	733	1.012	41785	-773976	-644450	SLV 9	0.32	532	0.887	No
132	252	10857	11324	SLV 9	0.37	746	1.019	49981	-580163	-644450	SLV 9	0.43	1115	1.202	Si
157	167	10857	11324	SLV 9	0.37	760	1.027	56278	-386404	-644450	SLV 9	0.57	2474	1.666	Si
181	83	10857	11324	SLV 9	0.38	774	1.035	60676	-192843	-644450	SLV 9	0.57	2474	1.666	Si
205	-1	-10857	-11324	SLV 7	0.38	788	1.042	63124	-325340	-644450	SLV 11	0.57	2474	1.666	Si
229	-86	-10857	-11324	SLV 7	0.38	774	1.035	60561	-519034	-644450	SLV 11	0.49	1559	1.379	Si
253	-170	-10857	-11324	SLV 7	0.37	760	1.027	56099	-712825	-644450	SLV 7	0.36	682	0.983	No

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
265	-212	-10857	-11324	SLV 7	0.37	753	1.023	53156	-809735	-644450	SLV 7	0.32	496	0.862	No
289	-297	-10857	-12892	SLV 7	0.42	1026	1.162	45847	-1003570	-644450	SLV 7	0.25	302	0.704	No
313	-381	-10857	-12892	SLV 7	0.42	1008	1.153	37435	-1181996	-644450	SLV 7	0.22	206	0.601	No
331	-445	-10857	-12892	SLV 7	0.42	995	1.147	37435	-1181996	-644450	SLV 7	0.22	206	0.601	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
45	558	3812	12600	SLD 9	0.42	1050	2.951	22288	-496620	-644450	SLD 9	0.19	150	1.329	Si
72	463	3812	12600	SLD 9	0.43	1073	2.977	25932	-471107	-644450	SLD 9	0.2	169	1.395	Si
96	378	3812	11324	SLD 9	0.39	826	2.674	36975	-385339	-644450	SLD 9	0.24	272	1.696	Si
108	336	3812	11324	SLD 9	0.39	834	2.685	41785	-342458	-644450	SLD 9	0.27	358	1.898	Si
132	252	3812	11324	SLD 9	0.39	850	2.706	49981	-256703	-644450	SLD 9	0.36	715	2.521	Si
157	167	3812	11324	SLD 9	0.39	866	2.727	56278	-170972	-644450	SLD 9	0.54	2105	3.924	Si
181	83	3812	11324	SLD 9	0.4	882	2.747	60676	-85328	-644450	SLD 9	0.6	2474	4.193	Si
205	-1	-3812	-11324	SLD 7	0.4	898	2.767	63124	-143948	-644450	SLD 11	0.6	2474	4.193	Si
229	-86	-3812	-11324	SLD 7	0.4	881	2.746	60561	-229650	-644450	SLD 11	0.41	973	2.86	Si
253	-170	-3812	-11324	SLD 7	0.39	865	2.725	56099	-315396	-644450	SLD 7	0.3	448	2.081	Si
265	-212	-3812	-11324	SLD 7	0.39	857	2.715	53156	-358275	-644450	SLD 7	0.27	336	1.849	Si
289	-297	-3812	-12892	SLD 7	0.44	1186	3.102	45847	-444040	-644450	SLD 7	0.22	204	1.507	Si
313	-381	-3812	-12892	SLD 7	0.44	1165	3.079	37435	-522986	-644450	SLD 7	0.18	141	1.295	Si
331	-445	-3812	-12892	SLD 7	0.44	1149	3.062	37435	-522986	-644450	SLD 7	0.18	141	1.295	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" 15-16

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x50	Rettangolare	30	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 15 - 16, sezione R 30x50, asta 725

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	685492	SLU 30	635035	943473	0.135						Si
20	7.6	5.4	11.4	5.4	621469	SLU 30	614334	943473	0.135						Si
33	7.6	5.4	11.4	5.4	582021	SLU 30	582021	943473	0.135						Si
41	7.6	5.4	11.4	5.4	555417	SLU 30	582021	943473	0.135						Si
61	7.6	5.4	11.4	5.4	487336	SLU 30	554622	943473	0.135						Si
81	7.6	5.4	11.4	5.4	417224	SLU 30	486517	943473	0.135						Si
91	7.6	5.4	11.4	5.4	381407	SLU 30	451704	943473	0.135						Si
112	7.6	5.4	11.4	5.4	308247	SLU 30	380552	943473	0.135						Si
132	7.6	5.4	11.4	5.4	233054	SLU 30	307369	943473	0.135						Si
152	7.6	5.4	11.4	5.4	155827	SLU 30	232152	943473	0.135						Si
173	7.6	5.4	11.4	5.4	76564	SLU 30	154901	943473	0.135	44091	SLU 1	-11199	-644450	0.121	Si
193	7.6	5.4	11.4	5.4	-420	SLU 18	75614	943473	0.135	-11991	SLU 19	-87621	-644450	0.121	Si
213	7.6	5.4	11.4	5.4						-88605	SLU 29	-172834	-644450	0.121	Si
234	7.6	5.4	11.4	5.4						-173842	SLU 29	-260087	-644450	0.121	Si
244	7.6	5.4	11.4	5.4						-217225	SLU 29	-275427	-644450	0.121	Si
257	7.6	5.4	11.4	5.4						-275427	SLU 29	-275427	-644450	0.121	Si
264	7.6	5.4	11.4	5.4						-305522	SLU 29	-303285	-644450	0.121	Si
284	7.6	5.4	11.4	5.4						-395861	SLU 29	-360124	-644450	0.121	Si
305	7.6	5.4	11.4	5.4						-488336	SLU 30	-379070	-644450	0.121	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	2046089	SLV 15	1789991	943473	0.135	-1087293	SLV 1	-901191	-644450	0.121	No
20	7.6	5.4	11.4	5.4	1747728	SLV 15	1703248	943473	0.135	-877891	SLV 1	-843315	-644450	0.121	No
33	7.6	5.4	11.4	5.4	1567850	SLV 15	1567850	943473	0.135	-752974	SLV 1	-752974	-644450	0.121	No
41	7.6	5.4	11.4	5.4	1447820	SLV 15	1567850	943473	0.135	-670058	SLV 1	-752974	-644450	0.121	No
61	7.6	5.4	11.4	5.4	1146374	SLV 15	1444280	943473	0.135	-463803	SLV 1	-667628	-644450	0.121	No
81	7.6	5.4	11.4	5.4	843417	SLV 15	1142816	943473	0.135	-259154	SLV 1	-461392	-644450	0.121	No
91	7.6	5.4	11.4	5.4	691396	SLV 15	991515	943473	0.135	-157456	SLV 1	-358873	-644450	0.121	No
112	7.6	5.4	11.4	5.4	386522	SLV 15	687813	943473	0.135	44430	SLV 1	-155075	-644450	0.121	Si
132	7.6	5.4	11.4	5.4	250145	SLV 3	443905	943473	0.135	74700	SLV 13	-226997	-644450	0.121	Si
152	7.6	5.4	11.4	5.4	446231	SLV 3	641315	943473	0.135	-230617	SLV 13	-536723	-644450	0.121	Si
173	7.6	5.4	11.4	5.4	643632	SLV 3	837378	943473	0.135	-540371	SLV 13	-848228	-644450	0.121	No
193	7.6	5.4	11.4	5.4	839679	SLV 3	1031937	943473	0.135	-851897	SLV 13	-1161355	-644450	0.121	No
213	7.6	5.4	11.4	5.4	1034221	SLV 3	1224957	943473	0.135	-1165042	SLV 13	-1476070	-644450	0.121	No
234	7.6	5.4	11.4	5.4	1227222	SLV 3	1416424	943473	0.135	-1479776	SLV 13	-1792362	-644450	0.121	No
244	7.6	5.4	11.4	5.4	1323141	SLV 3	1449328	943473	0.135	-1637734	SLV 13	-1847238	-644450	0.121	No
257	7.6	5.4	11.4	5.4	1449328	SLV 3	1449328	943473	0.135	-1847238	SLV 13	-1847238	-644450	0.121	No
264	7.6	5.4	11.4	5.4	1513812	SLV 3	1509190	943473	0.135	-1954831	SLV 13	-1946998	-644450	0.121	No
284	7.6	5.4	11.4	5.4	1702923	SLV 3	1631325	943473	0.135	-2273498	SLV 13	-2150538	-644450	0.121	No
305	7.6	5.4	11.4	5.4	1890471	SLV 3	1672037	943473	0.135	-2593735	SLV 13	-2218384	-644450	0.121	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	1172660	SLD 15	1039822	943473	0.135	-213864	SLD 1	-151023	-644450	0.121	No
20	7.6	5.4	11.4	5.4	1015836	SLD 15	993392	943473	0.135	-145999	SLD 1	-133459	-644450	0.121	No
33	7.6	5.4	11.4	5.4	920918	SLD 15	920918	943473	0.135	-106042	SLD 1	-106042	-644450	0.121	Si
41	7.6	5.4	11.4	5.4	857458	SLD 15	920918	943473	0.135	-79696	SLD 1	-106042	-644450	0.121	Si
61	7.6	5.4	11.4	5.4	697532	SLD 15	855582	943473	0.135	-14960	SLD 1	-78930	-644450	0.121	Si
81	7.6	5.4	11.4	5.4	536067	SLD 15	695637	943473	0.135	48196	SLD 1	-14213	-644450	0.121	Si
91	7.6	5.4	11.4	5.4	454768	SLD 15	615087	943473	0.135						Si
112	7.6	5.4	11.4	5.4	291147	SLD 15	452847	943473	0.135						Si
132	7.6	5.4	11.4	5.4	201239	SLD 3	289226	943473	0.135	123605	SLD 13	-39994	-644450	0.121	Si
152	7.6	5.4	11.4	5.4	257571	SLD 3	312951	943473	0.135	-41957	SLD 13	-208360	-644450	0.121	Si
173	7.6	5.4	11.4	5.4	313606	SLD 3	367533	943473	0.135	-210345	SLD 13	-378383	-644450	0.121	Si
193	7.6	5.4	11.4	5.4	368170	SLD 3	420577	943473	0.135	-380387	SLD 13	-549995	-644450	0.121	Si
213	7.6	5.4	11.4	5.4	421196	SLD 3	472068	943473	0.135	-552018	SLD 13	-723181	-644450	0.121	No
234	7.6	5.4	11.4	5.4	472669	SLD 3	522000	943473	0.135	-725223	SLD 13	-897937	-644450	0.121	No
244	7.6	5.4	11.4	5.4	497821	SLD 3	530436	943473	0.135	-812414	SLD 13	-928345	-644450	0.121	No
257	7.6	5.4	11.4	5.4	530436	SLD 3	530436	943473	0.135	-928345	SLD 13	-928345	-644450	0.121	No
264	7.6	5.4	11.4	5.4	546954	SLD 3	545804	943473	0.135	-987973	SLD 13	-983612	-644450	0.121	No
284	7.6	5.4	11.4	5.4	594524	SLD 3	577158	943473	0.135	-1165099	SLD 13	-1096371	-644450	0.121	No
305	7.6	5.4	11.4	5.4	640529	SLD 3	587610	943473	0.135	-1343793	SLD 13	-1133957	-644450	0.121	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	-3103	SLU 30	-3103	-6985	-35398	0	-6985	1	Si
20	0	11.4	0	-3202	SLU 30	-3202	-6985	-35398	0	-6985	1	Si
33	0.247	11.4	0	-3262	SLU 30	-3262	-6985	-35398	-19805	-19805	1	Si
41	0.247	11.4	0	-3302	SLU 30	-3302	-6985	-35398	-19805	-19805	1	Si
61	0.247	11.4	0	-3402	SLU 30	-3402	-6985	-35398	-19805	-19805	1	Si
81	0.247	11.4	0	-3502	SLU 30	-3502	-6985	-35398	-19805	-19805	1	Si
91	0.248	11.4	0	-3552	SLU 30	-3552	-6985	-35398	-19856	-19856	1	Si
112	0.248	11.4	0	-3652	SLU 30	-3652	-6985	-35398	-19856	-19856	1	Si
132	0.248	11.4	0	-3753	SLU 30	-3753	-6985	-35398	-19856	-19856	1	Si
152	0.248	11.4	0	-3853	SLU 30	-3853	-6985	-35398	-19856	-19856	1	Si
173	0.248	11.4	0	-3953	SLU 30	-3953	-6985	-35398	-19856	-19856	1	Si
193	0.248	7.6	0	-4053	SLU 30	-4053	-6102	-35398	-19856	-19856	1	Si
213	0.261	7.6	0	-4154	SLU 30	-4154	-6102	-35398	-20950	-20950	1	Si
234	0.261	7.6	0	-4254	SLU 30	-4254	-6102	-35398	-20950	-20950	1	Si
244	0.261	7.6	0	-4304	SLU 30	-4304	-6102	-35398	-20950	-20950	1	Si
257	0.261	7.6	0	-4371	SLU 30	-4371	-6102	-35398	-20950	-20950	1	Si
264	0	7.6	0	-4405	SLU 30	-4405	-6102	-35398	0	-6102	1	Si
284	0	7.6	0	-4505	SLU 30	-4505	-6102	-35398	0	-6102	1	Si
305	0	7.6	0	-4606	SLU 30	-4606	-6102	-35398	0	-6102	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	10350	SLV 3	13601	6102	35398	0	6102	1	Si
0	0	11.4	0	-14654	SLV 13	-17905	-6985	-35398	0	-6985	1	Si
20	0	7.6	0	10274	SLV 3	13524	6102	35398	0	6102	1	Si
20	0	11.4	0	-14731	SLV 13	-17981	-6985	-35398	0	-6985	1	Si
33	0.247	7.6	0	10228	SLV 3	13478	6102	35398	19805	19805	1	Si
33	0.247	11.4	0	-14777	SLV 13	-18027	-6985	-35398	-19805	-19805	1	Si
41	0.247	7.6	0	10197	SLV 3	13448	6102	35398	19805	19805	1	Si
41	0.247	11.4	0	-14807	SLV 13	-18058	-6985	-35398	-19805	-19805	1	Si
61	0.247	7.6	0	10120	SLV 3	13371	6102	35398	19805	19805	1	Si
61	0.247	11.4	0	-14884	SLV 13	-18135	-6985	-35398	-19805	-19805	1	Si
81	0.247	7.6	0	10043	SLV 3	13294	6102	35398	19805	19805	1	Si
81	0.247	11.4	0	-14961	SLV 13	-18212	-6985	-35398	-19805	-19805	1	Si
91	0.248	7.6	0	10005	SLV 3	13256	6102	35398	19856	19856	1	Si
91	0.248	11.4	0	-14999	SLV 13	-18250	-6985	-35398	-19856	-19856	1	Si
112	0.248	11.4	0	9928	SLV 3	13179	6985	35398	19856	19856	1	Si
112	0.248	11.4	0	-15076	SLV 13	-18327	-6985	-35398	-19856	-19856	1	Si
132	0.248	11.4	0	9851	SLV 3	13102	6985	35398	19856	19856	1	Si
132	0.248	11.4	0	-15153	SLV 13	-18404	-6985	-35398	-19856	-19856	1	Si
152	0.248	11.4	0	9775	SLV 3	13025	6985	35398	19856	19856	1	Si
152	0.248	7.6	0	-15230	SLV 13	-18480	-6102	-35398	-19856	-19856	1	Si
173	0.248	11.4	0	9698	SLV 3	12948	6985	35398	19856	19856	1	Si
173	0.248	7.6	0	-15307	SLV 13	-18557	-6102	-35398	-19856	-19856	1	Si
193	0.248	11.4	0	9621	SLV 3	12871	6985	35398	19856	19856	1	Si
193	0.248	7.6	0	-15384	SLV 13	-18634	-6102	-35398	-19856	-19856	1	Si
213	0.261	11.4	0	9544	SLV 3	12794	6985	35398	20950	20950	1	Si
213	0.261	7.6	0	-15461	SLV 13	-18711	-6102	-35398	-20950	-20950	1	Si
234	0.261	11.4	0	9467	SLV 3	12717	6985	35398	20950	20950	1	Si
234	0.261	7.6	0	-15538	SLV 13	-18788	-6102	-35398	-20950	-20950	1	Si
244	0.261	11.4	0	9428	SLV 3	12679	6985	35398	20950	20950	1	Si
244	0.261	7.6	0	-15576	SLV 13	-18827	-6102	-35398	-20950	-20950	1	Si
257	0.261	11.4	0	9377	SLV 3	12628	6985	35398	20950	20950	1	Si
257	0.261	7.6	0	-15627	SLV 13	-18878	-6102	-35398	-20950	-20950	1	Si
264	0	11.4	0	9351	SLV 3	12602	6985	35398	0	6985	1	Si
264	0	7.6	0	-15653	SLV 13	-18904	-6102	-35398	0	-6102	1	Si
284	0	11.4	0	9274	SLV 3	12525	6985	35398	0	6985	1	Si
284	0	7.6	0	-15730	SLV 13	-18981	-6102	-35398	0	-6102	1	Si
305	0	11.4	0	9197	SLV 3	12447	6985	35398	0	6985	1	Si
305	0	7.6	0	-15808	SLV 13	-19058	-6102	-35398	0	-6102	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3380	SLD 3	3380	6102	35398	0	6102	1	Si
0	0	11.4	0	-7684	SLD 13	-7684	-6985	-35398	0	-6985	1	Si
20	0	7.6	0	3304	SLD 3	3304	6102	35398	0	6102	1	Si
20	0	11.4	0	-7761	SLD 13	-7761	-6985	-35398	0	-6985	1	Si
33	0.247	7.6	0	3258	SLD 3	3258	6102	35398	19805	19805	1	Si
33	0.247	11.4	0	-7807	SLD 13	-7807	-6985	-35398	-19805	-19805	1	Si
41	0.247	7.6	0	3227	SLD 3	3227	6102	35398	19805	19805	1	Si
41	0.247	11.4	0	-7838	SLD 13	-7838	-6985	-35398	-19805	-19805	1	Si
61	0.247	11.4	0	3150	SLD 3	3150	6985	35398	19805	19805	1	Si
61	0.247	11.4	0	-7914	SLD 13	-7914	-6985	-35398	-19805	-19805	1	Si
81	0.247	11.4	0	3074	SLD 3	3074	6985	35398	19805	19805	1	Si
81	0.247	11.4	0	-7991	SLD 13	-7991	-6985	-35398	-19805	-19805	1	Si
91	0.248	11.4	0	3035	SLD 3	3035	6985	35398	19856	19856	1	Si
91	0.248	11.4	0	-8029	SLD 13	-8029	-6985	-35398	-19856	-19856	1	Si
112	0.248	11.4	0	2958	SLD 3	2958	6985	35398	19856	19856	1	Si
112	0.248	11.4	0	-8106	SLD 13	-8106	-6985	-35398	-19856	-19856	1	Si
132	0.248	11.4	0	2882	SLD 3	2882	6985	35398	19856	19856	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
132	0.248	11.4	0	-8183	SLD 13	-8183	-6985	-35398	-19856	-19856	1	Si
152	0.248	11.4	0	2805	SLD 3	2805	6985	35398	19856	19856	1	Si
152	0.248	7.6	0	-8260	SLD 13	-8260	-6102	-35398	-19856	-19856	1	Si
173	0.248	11.4	0	2728	SLD 3	2728	6985	35398	19856	19856	1	Si
173	0.248	7.6	0	-8337	SLD 13	-8337	-6102	-35398	-19856	-19856	1	Si
193	0.248	11.4	0	2651	SLD 3	2651	6985	35398	19856	19856	1	Si
193	0.248	7.6	0	-8414	SLD 13	-8414	-6102	-35398	-19856	-19856	1	Si
213	0.261	11.4	0	2574	SLD 3	2574	6985	35398	20950	20950	1	Si
213	0.261	7.6	0	-8491	SLD 13	-8491	-6102	-35398	-20950	-20950	1	Si
234	0.261	11.4	0	2497	SLD 3	2497	6985	35398	20950	20950	1	Si
234	0.261	7.6	0	-8568	SLD 13	-8568	-6102	-35398	-20950	-20950	1	Si
244	0.261	11.4	0	2458	SLD 3	2458	6985	35398	20950	20950	1	Si
244	0.261	7.6	0	-8606	SLD 13	-8606	-6102	-35398	-20950	-20950	1	Si
257	0.261	11.4	0	2407	SLD 3	2407	6985	35398	20950	20950	1	Si
257	0.261	7.6	0	-8657	SLD 13	-8657	-6102	-35398	-20950	-20950	1	Si
264	0	11.4	0	2381	SLD 3	2381	6985	35398	0	6985	1	Si
264	0	7.6	0	-8683	SLD 13	-8683	-6102	-35398	0	-6102	1	Si
284	0	11.4	0	2304	SLD 3	2304	6985	35398	0	6985	1	Si
284	0	7.6	0	-8761	SLD 13	-8761	-6102	-35398	0	-6102	1	Si
305	0	11.4	0	2227	SLD 3	2227	6985	35398	0	6985	1	Si
305	0	7.6	0	-8838	SLD 13	-8838	-6102	-35398	0	-6102	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	507671	3	470412	38.4	124.5	1049.5	1837	479398	2	444400	36.2	93.4	0	+∞	Si
20	460365	3	455096	37.1	124.5	1015.4	1837	434918	2	429967	35.1	93.4	0	+∞	Si
33	431188	3	431188	35.2	124.5	962	1837	407438	2	407438	33.2	93.4	0	+∞	Si
41	411500	3	431188	35.2	124.5	962	1837	388881	2	407438	33.2	93.4	0	+∞	Si
61	361075	3	410912	33.5	124.5	916.8	1837	341286	2	388326	31.7	93.4	0	+∞	Si
81	309089	3	360468	29.4	124.5	804.2	1837	292132	2	340712	27.8	93.4	0	+∞	Si
91	282511	3	334661	27.3	124.5	746.7	1837	266970	2	316321	25.8	93.4	0	+∞	Si
112	228182	3	281876	23	124.5	628.9	1837	215476	2	266369	21.7	93.4	0	+∞	Si
132	172291	3	227530	18.6	124.5	507.6	1837	162422	2	214857	17.5	93.4	0	+∞	Si
152	114837	3	171620	14	124.5	382.9	1837	107807	2	161785	13.2	93.4	0	+∞	Si
173	55819	3	114148	9.3	124.5	254.7	1837	51631	2	107151	8.7	93.4	0	+∞	Si
193	-7453	1	-66534	5.8	124.5	218.9	1837	-7453	1	-64709	5.6	93.4	0	+∞	Si
213	-67268	2	-130138	11.3	124.5	428.2	1837	-65411	2	-125557	10.9	93.4	0	+∞	Si
234	-130891	2	-195310	17	124.5	642.6	1837	-126277	2	-187969	16.3	93.4	0	+∞	Si
244	-163290	2	-206773	18	124.5	680.3	1837	-157297	2	-198955	17.3	93.4	0	+∞	Si
257	-206773	2	-206773	18	124.5	680.3	1837	-198955	2	-198955	17.3	93.4	0	+∞	Si
264	-229264	2	-227591	19.8	124.5	748.8	1837	-220509	2	-218904	19	93.4	0	+∞	Si
284	-296806	2	-270064	23.5	124.5	888.5	1837	-285288	2	-259606	22.6	93.4	0	+∞	Si
305	-365979	3	-284221	24.7	124.5	935.1	1837	-351632	2	-273174	23.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.007	0.006	0.007	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.015	2	0.013	2	9999	Si
33	0.01	0.009	0.01	0.008	0.01	0.009	0.009	0.008	0.009	0.009	0.022	2	0.019	2	9999	Si
41	0.012	0.01	0.011	0.009	0.011	0.01	0.011	0.009	0.011	0.01	0.026	2	0.022	2	9999	Si
61	0.015	0.013	0.014	0.012	0.015	0.013	0.013	0.012	0.014	0.013	0.032	2	0.028	2	9636	Si
81	0.017	0.015	0.015	0.013	0.016	0.015	0.015	0.013	0.016	0.015	0.035	2	0.031	2	8809	Si
91	0.017	0.015	0.016	0.013	0.017	0.015	0.015	0.013	0.016	0.015	0.035	2	0.031	2	8695	Si
112	0.017	0.015	0.015	0.013	0.016	0.015	0.014	0.013	0.016	0.015	0.034	2	0.03	2	8917	Si
132	0.016	0.014	0.014	0.012	0.015	0.014	0.013	0.012	0.015	0.014	0.031	2	0.028	2	9726	Si
152	0.014	0.012	0.012	0.01	0.013	0.012	0.011	0.01	0.013	0.012	0.027	2	0.024	2	9999	Si
173	0.011	0.009	0.01	0.008	0.011	0.009	0.009	0.008	0.01	0.009	0.022	2	0.019	2	9999	Si
193	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.016	2	0.014	2	9999	Si
213	0.005	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.009	2	9999	Si
234	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
244	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
257	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
264	0	0	0	0	0	0	0	0	0	0	0	2	-0.001	2	9999	Si
284	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	2	-0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
33	-2275	-15753	-19805	SLV 13	0.4	923	1.112	407438	1160412	943473	SLV 15	0.17	130	0.498	No
41	-2305	-15753	-19805	SLV 13	0.4	920	1.111	407438	1160412	943473	SLV 15	0.17	130	0.498	No
61	-2382	-15753	-19805	SLV 13	0.4	910	1.106	388326	1055954	943473	SLV 15	0.2	169	0.555	No
81	-2459	-15753	-19805	SLV 13	0.4	900	1.101	340712	802104	943473	SLV 15	0.28	367	0.762	No
91	-2497	-15753	-19856	SLV 13	0.4	902	1.102	316321	675194	943473	SLV 15	0.34	595	0.929	No
112	-2574	-15753	-19856	SLV 13	0.4	892	1.097	266369	421444	943473	SLV 15	0.57	2443	1.658	Si
132	-2651	-15753	-19856	SLV 13	0.4	882	1.092	108454	-335451	-644450	SLV 13	0.57	2474	1.666	Si
152	-2728	-15753	-19856	SLV 13	0.39	873	1.087	52296	-589019	-644450	SLV 13	0.43	1081	1.187	Si
173	-2805	-15753	-19856	SLV 13	0.39	863	1.082	-5425	-842803	-644450	SLV 13	0.28	374	0.768	No
193	-2882	-15753	-19856	SLV 13	0.39	854	1.077	-64709	-1096646	-644450	SLV 13	0.2	171	0.557	No
213	-2959	-15753	-20950	SLV 13	0.41	985	1.142	-125557	-1350513	-644450	SLV 13	0.15	89	0.426	No
234	-3036	-15753	-20950	SLV 13	0.41	974	1.137	-187969	-1604393	-644450	SLV 13	0.11	50	0.337	No
244	-3074	-15753	-20950	SLV 13	0.41	969	1.135	-198955	-1648283	-644450	SLV 13	0.1	45	0.322	No
257	-3125	-15753	-20950	SLV 13	0.41	962	1.131	-198955	-1648283	-644450	SLV 13	0.1	45	0.322	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
33	-2275	-5532	-19805	SLD 13	0.42	1060	2.962	407438	513480	943473	SLD 15	0.15	90	1.078	Si
41	-2305	-5532	-19805	SLD 13	0.42	1055	2.956	407438	513480	943473	SLD 15	0.15	90	1.078	Si
61	-2382	-5532	-19805	SLD 13	0.42	1043	2.943	388326	467256	943473	SLD 15	0.17	116	1.196	Si
81	-2459	-5532	-19805	SLD 13	0.42	1030	2.927	340712	354925	943473	SLD 15	0.23	250	1.638	Si
91	-2497	-5532	-19856	SLD 13	0.42	1032	2.93	316321	298766	943473	SLD 15	0.29	396	1.978	Si
112	-2574	-5532	-19856	SLD 13	0.42	1020	2.916	266369	186478	943473	SLD 15	0.48	1522	3.436	Si
132	-2651	-5532	-19856	SLD 13	0.42	1007	2.9	108454	-148448	-644450	SLD 13	0.6	2474	4.193	Si
152	-2728	-5532	-19856	SLD 13	0.42	996	2.887	52296	-260656	-644450	SLD 13	0.36	694	2.49	Si
173	-2805	-5532	-19856	SLD 13	0.41	983	2.872	-5425	-372958	-644450	SLD 13	0.24	254	1.649	Si
193	-2882	-5532	-19856	SLD 13	0.41	972	2.859	-64709	-485286	-644450	SLD 13	0.17	119	1.208	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
213	-2959	-5532	-20950	SLD 13	0.44	1137	3.049	-125557	-597625	-644450	SLD 13	0.12	62	0.925	No
234	-3036	-5532	-20950	SLD 13	0.43	1124	3.034	-187969	-709969	-644450	SLD 13	0.09	35	0.732	No
244	-3074	-5532	-20950	SLD 13	0.43	1118	3.028	-198955	-729391	-644450	SLD 13	0.09	31	0.696	No
257	-3125	-5532	-20950	SLD 13	0.43	1109	3.017	-198955	-729391	-644450	SLD 13	0.09	31	0.696	No

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" 25A-25B

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x50	Rettangolare	30	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 25A - 25B, sezione R 30x50, asta 710

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-54145	SLU 20	-43997	-644450	0.121	Si
20	7.6	5.4	7.6	5.4						-34786	SLU 20	-34786	-644450	0.121	Si
43	7.6	5.4	7.6	5.4	-6115	SLU 17	5552	644450	0.121	-14585	SLU 20	-31805	-644450	0.121	Si
65	7.6	5.4	7.6	5.4	6641	SLU 35	18781	644450	0.121	744	SLU 2	-13339	-644450	0.121	Si
76	7.6	5.4	7.6	5.4	13457	SLU 35	24537	644450	0.121	6452	SLU 2	-4963	-644450	0.121	Si
97	7.6	5.4	7.6	5.4	25373	SLU 35	34333	644450	0.121						Si
119	7.6	5.4	7.6	5.4	35001	SLU 35	41841	644450	0.121						Si
141	7.6	5.4	7.6	5.4	42340	SLU 35	47154	644450	0.121						Si
162	7.6	5.4	7.6	5.4	47520	SLU 36	50820	644450	0.121						Si
184	7.6	5.4	7.6	5.4	51048	SLU 30	52454	644450	0.121						Si
195	7.6	5.4	7.6	5.4	52070	SLU 29	52521	644450	0.121						Si
206	7.6	5.4	7.6	5.4	52521	SLU 29	52521	644450	0.121						Si
227	7.6	5.4	7.6	5.4	51707	SLU 29	52503	644450	0.121						Si
238	7.6	5.4	7.6	5.4	50442	SLU 29	52298	644450	0.121						Si
260	7.6	5.4	7.6	5.4	46195	SLU 29	50171	644450	0.121						Si
282	7.6	5.4	7.6	5.4	39659	SLU 29	45755	644450	0.121						Si
305	7.6	5.4	7.6	5.4	30024	SLU 29	38416	644450	0.121						Si
325	7.6	5.4	7.6	5.4	19722	SLU 29	19722	644450	0.121						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	181793	SLV 13	175816	644450	0.121	-261079	SLV 3	-239726	-644450	0.121	Si
20	7.6	5.4	7.6	5.4	169095	SLV 13	169095	644450	0.121	-219072	SLV 3	-219072	-644450	0.121	Si
43	7.6	5.4	7.6	5.4	152456	SLV 13	166887	644450	0.121	-171906	SLV 3	-212355	-644450	0.121	Si
65	7.6	5.4	7.6	5.4	135166	SLV 13	151214	644450	0.121	-129979	SLV 3	-168784	-644450	0.121	Si
76	7.6	5.4	7.6	5.4	125869	SLV 13	142723	644450	0.121	-109684	SLV 3	-147663	-644450	0.121	Si
97	7.6	5.4	7.6	5.4	105984	SLV 15	124435	644450	0.121	-70443	SLV 1	-106759	-644450	0.121	Si
119	7.6	5.4	7.6	5.4	84413	SLV 15	104425	644450	0.121	-33037	SLV 1	-67652	-644450	0.121	Si
141	7.6	5.4	7.6	5.4	61264	SLV 15	82734	644450	0.121	2426	SLV 1	-30386	-644450	0.121	Si
162	7.6	5.4	7.6	5.4	41572	SLV 7	68117	644450	0.121						Si
184	7.6	5.4	7.6	5.4	70429	SLV 3	98493	644450	0.121	7327	SLV 13	-19050	-644450	0.121	Si
206	7.6	5.4	7.6	5.4	100695	SLV 3	127253	644450	0.121	-21187	SLV 13	-49319	-644450	0.121	Si
227	7.6	5.4	7.6	5.4	129332	SLV 3	154313	644450	0.121	-51594	SLV 13	-81410	-644450	0.121	Si
238	7.6	5.4	7.6	5.4	143014	SLV 3	167194	644450	0.121	-67481	SLV 13	-98127	-644450	0.121	Si
260	7.6	5.4	7.6	5.4	169083	SLV 3	191652	644450	0.121	-100601	SLV 13	-132896	-644450	0.121	Si
282	7.6	5.4	7.6	5.4	193412	SLV 3	214361	644450	0.121	-135501	SLV 13	-169438	-644450	0.121	Si
305	7.6	5.4	7.6	5.4	217629	SLV 3	217629	644450	0.121	-175096	SLV 13	-175096	-644450	0.121	Si
325	7.6	5.4	7.6	5.4	236820	SLV 3	227595	644450	0.121	-210614	SLV 13	-192505	-644450	0.121	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	58347	SLD 13	58347	644450	0.121	-137633	SLD 3	-123898	-644450	0.121	Si
20	7.6	5.4	7.6	5.4	60898	SLD 13	61964	644450	0.121	-110874	SLD 3	-110874	-644450	0.121	Si
43	7.6	5.4	7.6	5.4	62044	SLD 13	62044	644450	0.121	-81493	SLD 3	-106645	-644450	0.121	Si
65	7.6	5.4	7.6	5.4	61260	SLD 13	62018	644450	0.121	-56072	SLD 3	-79587	-644450	0.121	Si
76	7.6	5.4	7.6	5.4	60211	SLD 13	61781	644450	0.121	-44026	SLD 3	-66721	-644450	0.121	Si
97	7.6	5.4	7.6	5.4	56807	SLD 15	59992	644450	0.121	-21265	SLD 1	-42316	-644450	0.121	Si
119	7.6	5.4	7.6	5.4	51675	SLD 15	56460	644450	0.121	-299	SLD 1	-19687	-644450	0.121	Si
141	7.6	5.4	7.6	5.4	44864	SLD 15	51203	644450	0.121						Si
162	7.6	5.4	7.6	5.4	38601	SLD 7	51727	644450	0.121						Si
184	7.6	5.4	7.6	5.4	52840	SLD 3	65729	644450	0.121						Si
206	7.6	5.4	7.6	5.4	66721	SLD 3	78035	644450	0.121	12786	SLD 13	-102	-644450	0.121	Si
227	7.6	5.4	7.6	5.4	78901	SLD 3	88607	644450	0.121	-1163	SLD 13	-15704	-644450	0.121	Si
238	7.6	5.4	7.6	5.4	84341	SLD 3	93239	644450	0.121	-8808	SLD 13	-24171	-644450	0.121	Si
260	7.6	5.4	7.6	5.4	93912	SLD 3	101187	644450	0.121	-25429	SLD 13	-42432	-644450	0.121	Si
282	7.6	5.4	7.6	5.4	101731	SLD 3	107381	644450	0.121	-43820	SLD 13	-62458	-644450	0.121	Si
305	7.6	5.4	7.6	5.4	108160	SLD 3	108160	644450	0.121	-65628	SLD 13	-65628	-644450	0.121	Si
325	7.6	5.4	7.6	5.4	112102	SLD 3	110497	644450	0.121	-85896	SLD 13	-75406	-644450	0.121	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1019	SLU 29	1019	6102	35398	0	6102	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
20	0.046	7.6	0	921	SLU 29	921	6102	35398	3675	6102	1	Si
43	0.046	7.6	0	807	SLU 29	807	6102	35398	3675	6102	1	Si
65	0.046	7.6	0	702	SLU 29	702	6102	35398	3675	6102	1	Si
76	0.046	7.6	0	649	SLU 29	649	6102	35398	3675	6102	1	Si
97	0.046	7.6	0	543	SLU 29	543	6102	35398	3675	6102	1	Si
119	0.046	7.6	0	438	SLU 29	438	6102	35398	3675	6102	1	Si
141	0.046	7.6	0	332	SLU 29	332	6102	35398	3675	6102	1	Si
162	0.046	7.6	0	226	SLU 29	226	6102	35398	3675	6102	1	Si
184	0.046	7.6	0	121	SLU 29	121	6102	35398	3675	6102	1	Si
206	0.046	7.6	0	19	SLU 11	19	6102	35398	3675	6102	1	Si
206	0.046	7.6	0	-31	SLU 26	-31	-6102	-35398	-3675	-6102	1	Si
227	0.046	7.6	0	-137	SLU 26	-137	-6102	-35398	-3675	-6102	1	Si
238	0.046	7.6	0	-190	SLU 26	-190	-6102	-35398	-3675	-6102	1	Si
260	0.046	7.6	0	-295	SLU 26	-295	-6102	-35398	-3675	-6102	1	Si
282	0.046	7.6	0	-401	SLU 26	-401	-6102	-35398	-3675	-6102	1	Si
305	0.046	7.6	0	-515	SLU 26	-515	-6102	-35398	-3675	-6102	1	Si
325	0	7.6	0	-612	SLU 26	-612	-6102	-35398	0	-6102	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2140	SLV 3	2496	6102	35398	0	6102	1	Si
0	0	7.6	0	-597	SLV 13	-953	-6102	-35398	0	-6102	1	Si
20	0.046	7.6	0	2065	SLV 3	2421	6102	35398	3675	6102	1	Si
20	0.046	7.6	0	-672	SLV 13	-1028	-6102	-35398	-3675	-6102	1	Si
43	0.046	7.6	0	1978	SLV 3	2334	6102	35398	3675	6102	1	Si
43	0.046	7.6	0	-760	SLV 13	-1115	-6102	-35398	-3675	-6102	1	Si
65	0.046	7.6	0	1897	SLV 3	2253	6102	35398	3675	6102	1	Si
65	0.046	7.6	0	-841	SLV 13	-1197	-6102	-35398	-3675	-6102	1	Si
76	0.046	7.6	0	1856	SLV 3	2212	6102	35398	3675	6102	1	Si
76	0.046	7.6	0	-881	SLV 13	-1237	-6102	-35398	-3675	-6102	1	Si
97	0.046	7.6	0	1775	SLV 3	2131	6102	35398	3675	6102	1	Si
97	0.046	7.6	0	-963	SLV 13	-1319	-6102	-35398	-3675	-6102	1	Si
119	0.046	7.6	0	1694	SLV 3	2049	6102	35398	3675	6102	1	Si
119	0.046	7.6	0	-1044	SLV 13	-1400	-6102	-35398	-3675	-6102	1	Si
141	0.046	7.6	0	1612	SLV 3	1968	6102	35398	3675	6102	1	Si
141	0.046	7.6	0	-1125	SLV 13	-1481	-6102	-35398	-3675	-6102	1	Si
162	0.046	7.6	0	1531	SLV 3	1887	6102	35398	3675	6102	1	Si
162	0.046	7.6	0	-1206	SLV 13	-1562	-6102	-35398	-3675	-6102	1	Si
184	0.046	7.6	0	1450	SLV 3	1806	6102	35398	3675	6102	1	Si
184	0.046	7.6	0	-1288	SLV 13	-1644	-6102	-35398	-3675	-6102	1	Si
206	0.046	7.6	0	1369	SLV 3	1724	6102	35398	3675	6102	1	Si
206	0.046	7.6	0	-1369	SLV 13	-1725	-6102	-35398	-3675	-6102	1	Si
227	0.046	7.6	0	1287	SLV 3	1643	6102	35398	3675	6102	1	Si
227	0.046	7.6	0	-1450	SLV 13	-1806	-6102	-35398	-3675	-6102	1	Si
238	0.046	7.6	0	1247	SLV 3	1603	6102	35398	3675	6102	1	Si
238	0.046	7.6	0	-1491	SLV 13	-1847	-6102	-35398	-3675	-6102	1	Si
260	0.046	7.6	0	1165	SLV 3	1521	6102	35398	3675	6102	1	Si
260	0.046	7.6	0	-1572	SLV 13	-1928	-6102	-35398	-3675	-6102	1	Si
282	0.046	7.6	0	1084	SLV 3	1440	6102	35398	3675	6102	1	Si
282	0.046	7.6	0	-1653	SLV 13	-2009	-6102	-35398	-3675	-6102	1	Si
305	0.046	7.6	0	997	SLV 3	1353	6102	35398	3675	6102	1	Si
305	0.046	7.6	0	-1741	SLV 13	-2097	-6102	-35398	-3675	-6102	1	Si
325	0	7.6	0	922	SLV 3	1278	6102	35398	0	6102	1	Si
325	0	7.6	0	-1816	SLV 13	-2172	-6102	-35398	0	-6102	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1377	SLD 3	1377	6102	35398	0	6102	1	Si
20	0.046	7.6	0	1302	SLD 3	1302	6102	35398	3675	6102	1	Si
43	0.046	7.6	0	1215	SLD 3	1215	6102	35398	3675	6102	1	Si
65	0.046	7.6	0	1134	SLD 3	1134	6102	35398	3675	6102	1	Si
65	0.046	7.6	0	-78	SLD 13	-78	-6102	-35398	-3675	-6102	1	Si
76	0.046	7.6	0	1093	SLD 3	1093	6102	35398	3675	6102	1	Si
76	0.046	7.6	0	-118	SLD 13	-118	-6102	-35398	-3675	-6102	1	Si
97	0.046	7.6	0	1012	SLD 3	1012	6102	35398	3675	6102	1	Si
97	0.046	7.6	0	-200	SLD 13	-200	-6102	-35398	-3675	-6102	1	Si
119	0.046	7.6	0	930	SLD 3	930	6102	35398	3675	6102	1	Si
119	0.046	7.6	0	-281	SLD 13	-281	-6102	-35398	-3675	-6102	1	Si
141	0.046	7.6	0	849	SLD 3	849	6102	35398	3675	6102	1	Si
141	0.046	7.6	0	-362	SLD 13	-362	-6102	-35398	-3675	-6102	1	Si
162	0.046	7.6	0	768	SLD 3	768	6102	35398	3675	6102	1	Si
162	0.046	7.6	0	-443	SLD 13	-443	-6102	-35398	-3675	-6102	1	Si
184	0.046	7.6	0	687	SLD 3	687	6102	35398	3675	6102	1	Si
184	0.046	7.6	0	-525	SLD 13	-525	-6102	-35398	-3675	-6102	1	Si
206	0.046	7.6	0	605	SLD 3	605	6102	35398	3675	6102	1	Si
206	0.046	7.6	0	-606	SLD 13	-606	-6102	-35398	-3675	-6102	1	Si
227	0.046	7.6	0	524	SLD 3	524	6102	35398	3675	6102	1	Si
227	0.046	7.6	0	-687	SLD 13	-687	-6102	-35398	-3675	-6102	1	Si
238	0.046	7.6	0	484	SLD 3	484	6102	35398	3675	6102	1	Si
238	0.046	7.6	0	-728	SLD 13	-728	-6102	-35398	-3675	-6102	1	Si
260	0.046	7.6	0	402	SLD 3	402	6102	35398	3675	6102	1	Si
260	0.046	7.6	0	-809	SLD 13	-809	-6102	-35398	-3675	-6102	1	Si
282	0.046	7.6	0	321	SLD 3	321	6102	35398	3675	6102	1	Si
282	0.046	7.6	0	-890	SLD 13	-890	-6102	-35398	-3675	-6102	1	Si
305	0.046	7.6	0	234	SLD 3	234	6102	35398	3675	6102	1	Si
305	0.046	7.6	0	-978	SLD 13	-978	-6102	-35398	-3675	-6102	1	Si
325	0	7.6	0	159	SLD 3	159	6102	35398	0	6102	1	Si
325	0	7.6	0	-1053	SLD 13	-1053	-6102	-35398	0	-6102	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-40989	2	-33216	3.1	124.5	109.5	1837	-39643	2	-31955	3	93.4	0	+∞	Si
20	-26163	2	-26163	2.4	124.5	86.2	1837	-24988	2	-24988	2.3	93.4	0	+∞	Si
43	-10699	2	-23880	2.2	124.5	78.7	1837	-9725	2	-22734	2.1	93.4	0	+∞	Si
65	4880	8	14246	1.3	124.5	46.9	1837	3776	1	13330	1.2	93.4	0	+∞	Si
76	10138	8	18690	1.7	124.5	61.6	1837	9135	1	17874	1.7	93.4	0	+∞	Si
97	19335	8	26255	2.5	124.5	86.5	1837	18534	1	25642	2.4	93.4	0	+∞	Si
119	26771	8	32061	3	124.5	105.6	1837	26172	1	31649	3	93.4	0	+∞	Si
141	32447	8	36168	3.4	124.5	119.2	1837	32050	1	35950	3.4	93.4	0	+∞	Si
162	36449	9	38944	3.6	124.5	128.3	1837	36242	2	38716	3.6	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
184	39115	3	40130	3.8	124.5	132.2	1837	38878	2	39722	3.7	93.4	0	+∞	Si
206	40175	2	40175	3.8	124.5	132.4	1837	39754	2	39754	3.7	93.4	0	+∞	Si
227	39477	2	40156	3.8	124.5	132.3	1837	38869	2	39721	3.7	93.4	0	+∞	Si
238	38468	2	39962	3.7	124.5	131.7	1837	37767	2	39434	3.7	93.4	0	+∞	Si
260	35128	2	38254	3.6	124.5	126.1	1837	34241	2	37539	3.5	93.4	0	+∞	Si
282	30029	2	34785	3.3	124.5	114.6	1837	28956	2	33884	3.2	93.4	0	+∞	Si
305	22540	2	29062	2.7	124.5	95.8	1837	21266	2	27961	2.6	93.4	0	+∞	Si
325	14549	2	14549	1.4	124.5	47.9	1837	13103	2	13103	1.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
43	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.002	1	9999	Si
65	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
76	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si
97	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
119	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	1	0.007	1	9999	Si
141	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	1	0.008	1	9999	Si
162	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.009	2	0.009	2	9999	Si
184	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.009	2	0.009	2	9999	Si
206	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.009	2	0.009	2	9999	Si
227	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
238	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
260	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
282	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
305	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	697	1725	6102	SLV 3	0.57	2474	1.666	-24988	-194084	-644450	SLV 3	0.57	2474	1.666	Si
43	609	1725	6102	SLV 3	0.57	2474	1.666	-22734	-189621	-644450	SLV 3	0.57	2474	1.666	Si
65	528	1725	6102	SLV 3	0.57	2474	1.666	-8785	-159999	-644450	SLV 3	0.57	2474	1.666	Si
76	487	1725	6102	SLV 3	0.57	2474	1.666	-2470	-145193	-644450	SLV 3	0.57	2474	1.666	Si
97	406	1725	6102	SLV 3	0.57	2474	1.666	8838	115597	644450	SLV 13	0.57	2474	1.666	Si
119	325	1725	6102	SLV 3	0.57	2474	1.666	18387	86038	644450	SLV 15	0.57	2474	1.666	Si
141	244	1725	6102	SLV 3	0.57	2474	1.666	26174	56560	644450	SLV 15	0.57	2474	1.666	Si
162	162	1725	6102	SLV 3	0.57	2474	1.666	38716	29401	644450	SLV 3	0.57	2474	1.666	Si
184	81	1725	6102	SLV 3	0.57	2474	1.666	39722	58772	644450	SLV 3	0.57	2474	1.666	Si
206	0	-1725	-6102	SLV 13	0.57	2474	1.666	38967	88286	644450	SLV 3	0.57	2474	1.666	Si
227	-81	-1725	-6102	SLV 13	0.57	2474	1.666	36451	117861	644450	SLV 3	0.57	2474	1.666	Si
238	-122	-1725	-6102	SLV 13	0.57	2474	1.666	34534	132661	644450	SLV 3	0.57	2474	1.666	Si
260	-203	-1725	-6102	SLV 13	0.57	2474	1.666	29378	162274	644450	SLV 3	0.57	2474	1.666	Si
282	-285	-1725	-6102	SLV 13	0.57	2474	1.666	22461	191900	644450	SLV 3	0.57	2474	1.666	Si
305	-372	-1725	-6102	SLV 13	0.57	2474	1.666	21266	196363	644450	SLV 3	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	697	606	6102	SLD 3	0.6	2474	4.193	-24988	-85886	-644450	SLD 3	0.6	2474	4.193	Si
43	609	606	6102	SLD 3	0.6	2474	4.193	-22734	-83911	-644450	SLD 3	0.6	2474	4.193	Si
65	528	606	6102	SLD 3	0.6	2474	4.193	-8785	-70803	-644450	SLD 3	0.6	2474	4.193	Si
76	487	606	6102	SLD 3	0.6	2474	4.193	-2470	-64251	-644450	SLD 3	0.6	2474	4.193	Si
97	406	606	6102	SLD 3	0.6	2474	4.193	8838	51154	644450	SLD 13	0.6	2474	4.193	Si
119	325	606	6102	SLD 3	0.6	2474	4.193	18387	38074	644450	SLD 15	0.6	2474	4.193	Si
141	244	606	6102	SLD 3	0.6	2474	4.193	26174	25029	644450	SLD 15	0.6	2474	4.193	Si
162	162	606	6102	SLD 3	0.6	2474	4.193	38716	13011	644450	SLD 3	0.6	2474	4.193	Si
184	81	606	6102	SLD 3	0.6	2474	4.193	39722	26008	644450	SLD 3	0.6	2474	4.193	Si
206	0	-606	-6102	SLD 13	0.6	2474	4.193	38967	39068	644450	SLD 3	0.6	2474	4.193	Si
227	-81	-606	-6102	SLD 13	0.6	2474	4.193	36451	52156	644450	SLD 3	0.6	2474	4.193	Si
238	-122	-606	-6102	SLD 13	0.6	2474	4.193	34534	58705	644450	SLD 3	0.6	2474	4.193	Si
260	-203	-606	-6102	SLD 13	0.6	2474	4.193	29378	71810	644450	SLD 3	0.6	2474	4.193	Si
282	-285	-606	-6102	SLD 13	0.6	2474	4.193	22461	84920	644450	SLD 3	0.6	2474	4.193	Si
305	-372	-606	-6102	SLD 13	0.6	2474	4.193	21266	86894	644450	SLD 3	0.6	2474	4.193	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" 25C-25A

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x50	Rettangolare	40	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 25C - 25A, sezione R 40x50, asta 714

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-288934	SLU 35	-210457	-659306	0.113	Si
25	7.6	5.4	7.6	5.4						-139609	SLU 35	-139609	-659306	0.113	Si
32	7.6	5.4	7.6	5.4	-56603	SLU 2	15541	659306	0.113	-97897	SLU 35	-139609	-659306	0.113	Si
65	7.6	5.4	7.6	5.4	70081	SLU 30	154944	659306	0.113	45532	SLU 1	-33541	-659306	0.113	Si
97	7.6	5.4	7.6	5.4	202762	SLU 36	270468	659306	0.113						Si
129	7.6	5.4	7.6	5.4	307489	SLU 36	357526	659306	0.113						Si
145	7.6	5.4	7.6	5.4	349178	SLU 36	390380	659306	0.113						Si
178	7.6	5.4	7.6	5.4	411206	SLU 36	434740	659306	0.113						Si
210	7.6	5.4	7.6	5.4	444771	SLU 36	450879	659306	0.113						Si
242	7.6	5.4	7.6	5.4	449928	SLU 35	450879	659306	0.113						Si
275	7.6	5.4	7.6	5.4	427470	SLU 35	444109	659306	0.113						Si
307	7.6	5.4	7.6	5.4	376552	SLU 35	410856	659306	0.113						Si
339	7.6	5.4	7.6	5.4	297176	SLU 35	349145	659306	0.113						Si
372	7.6	5.4	7.6	5.4	189345	SLU 35	258977	659306	0.113						Si
388	7.6	5.4	7.6	5.4	124759	SLU 35	203222	659306	0.113						Si
420	7.6	5.4	7.6	5.4	-18081	SLU 1	70371	659306	0.113	-32748	SLU 30	-139712	-659306	0.113	Si
453	7.6	5.4	7.6	5.4						-210627	SLU 36	-256259	-659306	0.113	Si
460	7.6	5.4	7.6	5.4						-256259	SLU 36	-256259	-659306	0.113	Si
485	7.6	5.4	7.6	5.4						-418942	SLU 36	-333789	-659306	0.113	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	210352	SLV 7	210352	659306	0.113	-600509	SLV 9	-525111	-659306	0.113	Si
25	7.6	5.4	7.6	5.4	271679	SLV 7	313026	659306	0.113	-455027	SLV 9	-455027	-659306	0.113	Si
32	7.6	5.4	7.6	5.4	288213	SLV 7	326115	659306	0.113	-413808	SLV 9	-455027	-659306	0.113	Si
65	7.6	5.4	7.6	5.4	346244	SLV 7	371837	659306	0.113	-246937	SLV 9	-348639	-659306	0.113	Si
97	7.6	5.4	7.6	5.4	384447	SLV 7	397733	659306	0.113	-99895	SLV 9	-189289	-659306	0.113	Si
129	7.6	5.4	7.6	5.4	402822	SLV 7	404575	659306	0.113	27319	SLV 9	-49767	-659306	0.113	Si
145	7.6	5.4	7.6	5.4	404575	SLV 7	404575	659306	0.113						Si
178	7.6	5.4	7.6	5.4	393212	SLV 7	402145	659306	0.113						Si
210	7.6	5.4	7.6	5.4	362026	SLV 7	383263	659306	0.113						Si
242	7.6	5.4	7.6	5.4	317165	SLV 5	344563	659306	0.113						Si
275	7.6	5.4	7.6	5.4	354462	SLV 9	367625	659306	0.113						Si
307	7.6	5.4	7.6	5.4	372641	SLV 9	374300	659306	0.113						Si
339	7.6	5.4	7.6	5.4	371003	SLV 9	374300	659306	0.113	39036	SLV 7	-39962	-659306	0.113	Si
372	7.6	5.4	7.6	5.4	349547	SLV 9	364745	659306	0.113	-91259	SLV 7	-182559	-659306	0.113	Si
388	7.6	5.4	7.6	5.4	331387	SLV 9	352735	659306	0.113	-163838	SLV 7	-261290	-659306	0.113	Si
420	7.6	5.4	7.6	5.4	280204	SLV 9	313854	659306	0.113	-323860	SLV 7	-433612	-659306	0.113	Si
453	7.6	5.4	7.6	5.4	209205	SLV 9	255155	659306	0.113	-503699	SLV 7	-547856	-659306	0.113	Si
460	7.6	5.4	7.6	5.4	189732	SLV 9	239125	659306	0.113	-547856	SLV 7	-547856	-659306	0.113	Si
485	7.6	5.4	7.6	5.4	118391	SLV 9	118391	659306	0.113	-703353	SLV 7	-622950	-659306	0.113	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-374489	SLD 9	-310820	-659306	0.113	Si
25	7.6	5.4	7.6	5.4	69117	SLD 7	129296	659306	0.113	-252465	SLD 9	-252465	-659306	0.113	Si
32	7.6	5.4	7.6	5.4	92531	SLD 7	149265	659306	0.113	-218127	SLD 9	-252465	-659306	0.113	Si
65	7.6	5.4	7.6	5.4	180901	SLD 7	225326	659306	0.113	-81594	SLD 9	-164464	-659306	0.113	Si
97	7.6	5.4	7.6	5.4	249441	SLD 7	281559	659306	0.113	35110	SLD 9	-35451	-659306	0.113	Si
129	7.6	5.4	7.6	5.4	298154	SLD 7	317965	659306	0.113						Si
145	7.6	5.4	7.6	5.4	315076	SLD 7	328734	659306	0.113						Si
178	7.6	5.4	7.6	5.4	334050	SLD 7	336104	659306	0.113						Si
210	7.6	5.4	7.6	5.4	333201	SLD 7	336104	659306	0.113						Si
242	7.6	5.4	7.6	5.4	315249	SLD 5	327241	659306	0.113						Si
275	7.6	5.4	7.6	5.4	322602	SLD 9	322602	659306	0.113						Si
307	7.6	5.4	7.6	5.4	310446	SLD 9	319871	659306	0.113						Si
339	7.6	5.4	7.6	5.4	278471	SLD 9	300198	659306	0.113						Si
372	7.6	5.4	7.6	5.4	226677	SLD 9	260706	659306	0.113	31611	SLD 7	-40858	-659306	0.113	Si
388	7.6	5.4	7.6	5.4	193348	SLD 9	233528	659306	0.113	-25799	SLD 7	-104419	-659306	0.113	Si
420	7.6	5.4	7.6	5.4	111827	SLD 9	164308	659306	0.113	-155483	SLD 7	-246404	-659306	0.113	Si
453	7.6	5.4	7.6	5.4	10490	SLD 9	75272	659306	0.113	-304984	SLD 7	-342261	-659306	0.113	Si
460	7.6	5.4	7.6	5.4	-15863	SLD 9	52362	659306	0.113	-342261	SLD 7	-342261	-659306	0.113	Si
485	7.6	5.4	7.6	5.4						-474300	SLD 7	-405626	-659306	0.113	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	6349	SLU 35	6349	7391	47198	0	7391	1	Si
25	0.06	7.6	0	5668	SLU 35	5668	7391	47198	4816	7391	1	Si
32	0.06	7.6	0	5468	SLU 35	5468	7391	47198	4816	7391	1	Si
65	0.06	7.6	0	4588	SLU 35	4588	7391	47198	4816	7391	1	Si
97	0.06	7.6	0	3707	SLU 35	3707	7391	47198	4816	7391	1	Si
129	0.06	7.6	0	2827	SLU 35	2827	7391	47198	4816	7391	1	Si
145	0.06	7.6	0	2386	SLU 35	2386	7391	47198	4816	7391	1	Si
178	0.06	7.6	0	1506	SLU 35	1506	7391	47198	4816	7391	1	Si
210	0.06	7.6	0	626	SLU 35	626	7391	47198	4816	7391	1	Si
242	0.06	7.6	0	-289	SLU 30	-289	-7391	-47198	-4816	-7391	1	Si
275	0.06	7.6	0	-1163	SLU 36	-1163	-7391	-47198	-4816	-7391	1	Si
307	0.06	7.6	0	-2043	SLU 36	-2043	-7391	-47198	-4816	-7391	1	Si
339	0.06	7.6	0	-2923	SLU 36	-2923	-7391	-47198	-4816	-7391	1	Si
372	0.06	7.6	0	-3803	SLU 36	-3803	-7391	-47198	-4816	-7391	1	Si
388	0.06	7.6	0	-4243	SLU 36	-4243	-7391	-47198	-4816	-7391	1	Si
420	0.06	7.6	0	-5123	SLU 36	-5123	-7391	-47198	-4816	-7391	1	Si
453	0.06	7.6	0	-6003	SLU 36	-6003	-7391	-47198	-4816	-7391	1	Si
460	0.06	7.6	0	-6202	SLU 36	-6202	-7391	-47198	-4816	-7391	1	Si
485	0	7.6	0	-6883	SLU 36	-6883	-7391	-47198	0	-7391	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	6081	SLV 9	6519	7391	47198	0	7391	1	Si
25	0.06	7.6	0	5607	SLV 9	6044	7391	47198	4816	7391	1	Si
32	0.06	7.6	0	5468	SLV 9	5905	7391	47198	4816	7391	1	Si
65	0.06	7.6	0	4854	SLV 9	5292	7391	47198	4816	7391	1	Si
97	0.06	7.6	0	4241	SLV 9	4679	7391	47198	4816	7391	1	Si
129	0.06	7.6	0	3628	SLV 9	4066	7391	47198	4816	7391	1	Si
129	0.06	7.6	0	262	SLV 7	-176	-7391	-47198	-4816	-7391	1	Si
145	0.06	7.6	0	3321	SLV 9	3759	7391	47198	4816	7391	1	Si
145	0.06	7.6	0	-45	SLV 7	-483	-7391	-47198	-4816	-7391	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
178	0.06	7.6	0	2708	SLV 9	3146	7391	47198	4816	7391	1	Si
178	0.06	7.6	0	-658	SLV 7	-1096	-7391	-47198	-4816	-7391	1	Si
210	0.06	7.6	0	2095	SLV 9	2533	7391	47198	4816	7391	1	Si
210	0.06	7.6	0	-1271	SLV 7	-1709	-7391	-47198	-4816	-7391	1	Si
242	0.06	7.6	0	1482	SLV 9	1920	7391	47198	4816	7391	1	Si
242	0.06	7.6	0	-1884	SLV 7	-2322	-7391	-47198	-4816	-7391	1	Si
275	0.06	7.6	0	869	SLV 9	1307	7391	47198	4816	7391	1	Si
275	0.06	7.6	0	-2497	SLV 7	-2935	-7391	-47198	-4816	-7391	1	Si
307	0.06	7.6	0	256	SLV 9	693	7391	47198	4816	7391	1	Si
307	0.06	7.6	0	-3110	SLV 7	-3548	-7391	-47198	-4816	-7391	1	Si
339	0.06	7.6	0	-357	SLV 9	81	7391	47198	4816	7391	1	Si
339	0.06	7.6	0	-3723	SLV 7	-4161	-7391	-47198	-4816	-7391	1	Si
372	0.06	7.6	0	-4336	SLV 7	-4774	-7391	-47198	-4816	-7391	1	Si
388	0.06	7.6	0	-4643	SLV 7	-5080	-7391	-47198	-4816	-7391	1	Si
420	0.06	7.6	0	-5256	SLV 7	-5693	-7391	-47198	-4816	-7391	1	Si
453	0.06	7.6	0	-5869	SLV 7	-6306	-7391	-47198	-4816	-7391	1	Si
460	0.06	7.6	0	-6008	SLV 7	-6445	-7391	-47198	-4816	-7391	1	Si
485	0	7.6	0	-6481	SLV 7	-6919	-7391	-47198	0	-7391	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5143	SLD 9	5143	7391	47198	0	7391	1	Si
25	0.06	7.6	0	4668	SLD 9	4668	7391	47198	4816	7391	1	Si
32	0.06	7.6	0	4529	SLD 9	4529	7391	47198	4816	7391	1	Si
65	0.06	7.6	0	3916	SLD 9	3916	7391	47198	4816	7391	1	Si
97	0.06	7.6	0	3303	SLD 9	3303	7391	47198	4816	7391	1	Si
129	0.06	7.6	0	2690	SLD 9	2690	7391	47198	4816	7391	1	Si
145	0.06	7.6	0	2383	SLD 9	2383	7391	47198	4816	7391	1	Si
178	0.06	7.6	0	1770	SLD 9	1770	7391	47198	4816	7391	1	Si
210	0.06	7.6	0	1157	SLD 9	1157	7391	47198	4816	7391	1	Si
210	0.06	7.6	0	-333	SLD 7	-333	-7391	-47198	-4816	-7391	1	Si
242	0.06	7.6	0	544	SLD 9	544	7391	47198	4816	7391	1	Si
242	0.06	7.6	0	-946	SLD 7	-946	-7391	-47198	-4816	-7391	1	Si
275	0.06	7.6	0	-1559	SLD 7	-1559	-7391	-47198	-4816	-7391	1	Si
307	0.06	7.6	0	-2172	SLD 7	-2172	-7391	-47198	-4816	-7391	1	Si
339	0.06	7.6	0	-2785	SLD 7	-2785	-7391	-47198	-4816	-7391	1	Si
372	0.06	7.6	0	-3398	SLD 7	-3398	-7391	-47198	-4816	-7391	1	Si
388	0.06	7.6	0	-3704	SLD 7	-3704	-7391	-47198	-4816	-7391	1	Si
420	0.06	7.6	0	-4317	SLD 7	-4317	-7391	-47198	-4816	-7391	1	Si
453	0.06	7.6	0	-4930	SLD 7	-4930	-7391	-47198	-4816	-7391	1	Si
460	0.06	7.6	0	-5069	SLD 7	-5069	-7391	-47198	-4816	-7391	1	Si
485	0	7.6	0	-5543	SLD 7	-5543	-7391	-47198	0	-7391	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-216322	8	-157554	12.8	124.5	514.5	1837	-198905	1	-144348	11.7	93.4	0	+∞	Si
25	-104499	8	-104499	8.5	124.5	341.2	1837	-95103	1	-95103	7.7	93.4	0	+∞	Si
32	-73262	8	-104499	8.5	124.5	341.2	1837	-66110	1	-95103	7.7	93.4	0	+∞	Si
65	52086	3	115726	9.4	124.5	377.9	1837	49653	2	109027	8.9	93.4	0	+∞	Si
97	151565	9	202316	16.4	124.5	660.7	1837	142276	2	189341	15.4	93.4	0	+∞	Si
129	230070	9	267590	21.7	124.5	873.8	1837	215071	2	249830	20.3	93.4	0	+∞	Si
145	261329	9	292234	23.7	124.5	954.3	1837	244033	2	272639	22.1	93.4	0	+∞	Si
178	307861	9	325535	26.4	124.5	1063.1	1837	287089	2	303389	24.6	93.4	0	+∞	Si
210	333079	9	337696	27.4	124.5	1102.8	1837	310320	2	314502	25.5	93.4	0	+∞	Si
242	337021	8	337696	27.4	124.5	1102.8	1837	313759	1	314502	25.5	93.4	0	+∞	Si
275	320216	8	332668	27	124.5	1086.4	1837	297859	1	309608	25.2	93.4	0	+∞	Si
307	282100	8	307780	25	124.5	1005.1	1837	262137	1	286190	23.2	93.4	0	+∞	Si
339	222674	8	261582	21.2	124.5	854.2	1837	206595	1	242951	19.7	93.4	0	+∞	Si
372	141941	8	194075	15.8	124.5	633.8	1837	131234	1	179892	14.6	93.4	0	+∞	Si
388	93585	8	152331	12.4	124.5	497.4	1837	86121	1	140930	11.4	93.4	0	+∞	Si
420	-23770	3	-103975	8.4	124.5	339.5	1837	-21828	2	-97800	7.9	93.4	0	+∞	Si
453	-157044	9	-191194	15.5	124.5	624.4	1837	-147247	2	-179062	14.5	93.4	0	+∞	Si
460	-191194	9	-191194	15.5	124.5	624.4	1837	-179062	2	-179062	14.5	93.4	0	+∞	Si
485	-312945	9	-249216	20.2	124.5	813.8	1837	-292481	2	-233117	18.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
25	0.009	0.008	0.007	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.018	2	0.018	2	9999	Si
32	0.011	0.01	0.01	0.009	0.011	0.01	0.009	0.009	0.01	0.01	0.023	2	0.023	2	9999	Si
65	0.023	0.021	0.02	0.019	0.022	0.021	0.019	0.019	0.022	0.021	0.047	2	0.047	2	9999	Si
97	0.034	0.032	0.03	0.028	0.032	0.032	0.028	0.028	0.032	0.032	0.071	2	0.071	2	6841	Si
129	0.044	0.041	0.039	0.036	0.042	0.041	0.036	0.036	0.041	0.041	0.092	2	0.091	2	5299	Si
145	0.049	0.045	0.042	0.039	0.046	0.045	0.04	0.039	0.045	0.045	0.1	2	0.1	2	4835	Si
178	0.055	0.052	0.048	0.045	0.052	0.052	0.045	0.045	0.052	0.052	0.114	2	0.114	2	4250	Si
210	0.059	0.055	0.052	0.048	0.056	0.055	0.049	0.048	0.055	0.055	0.122	2	0.122	2	3969	Si
242	0.06	0.056	0.052	0.049	0.057	0.056	0.049	0.049	0.056	0.056	0.124	1	0.124	1	3907	Si
275	0.058	0.054	0.051	0.047	0.055	0.054	0.048	0.047	0.054	0.054	0.12	1	0.12	1	4044	Si
307	0.053	0.05	0.046	0.043	0.05	0.05	0.044	0.043	0.05	0.05	0.11	1	0.11	1	4418	Si
339	0.046	0.043	0.04	0.037	0.043	0.043	0.038	0.037	0.043	0.043	0.094	1	0.094	1	5137	Si
372	0.037	0.034	0.032	0.029	0.035	0.034	0.03	0.029	0.034	0.034	0.075	1	0.075	1	6470	Si
388	0.031	0.029	0.027	0.025	0.03	0.029	0.026	0.025	0.029	0.029	0.064	1	0.064	1	7559	Si
420	0.02	0.019	0.018	0.016	0.019	0.019	0.017	0.016	0.019	0.019	0.042	1	0.041	1	9999	Si
453	0.01	0.009	0.008	0.007	0.009	0.009	0.008	0.008	0.009	0.009	0.019	1	0.019	1	9999	Si
460	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	1	0.014	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
25	3924	2121	7391	SLV 9	0.57	2474	1.666	-91674	-363353	-659306	SLV 9	0.56	2267	1.608	Si
32	3785	2121	7391	SLV 9	0.57	2474	1.666	-91674	-363353	-659306	SLV 9	0.56	2267	1.608	Si
65	3171	2121	7391	SLV 9	0.57	2474	1.666	-18268	-330371	-659306	SLV 9	0.57	2474	1.666	Si
97	2558	2121	7391	SLV 9	0.57	2474	1.666	86662	275951	659306	SLV 7	0.57	2474	1.666	Si
129	1945	2121	7391	SLV 9	0.57	2474	1.666	171765	221531	659306	SLV 7	0.57	2474	1.666	Si
145	1638	2121	7391	SLV 9	0.57	2474	1.666	244033	160542	659306	SLV 7	0.57	2474	1.666	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
178	1025	2121	7391	SLV 9	0.57	2474	1.666	262243	139902	659306	SLV 7	0.57	2474	1.666	Si
210	412	2121	7391	SLV 9	0.57	2474	1.666	297780	85484	659306	SLV 7	0.57	2474	1.666	Si
242	-201	-2121	-7391	SLV 7	0.57	2474	1.666	305418	36517	659306	SLV 9	0.57	2474	1.666	Si
275	-814	-2121	-7391	SLV 7	0.57	2474	1.666	276699	90926	659306	SLV 9	0.57	2474	1.666	Si
307	-1427	-2121	-7391	SLV 7	0.57	2474	1.666	235526	138774	659306	SLV 9	0.57	2474	1.666	Si
339	-2040	-2121	-7391	SLV 7	0.57	2474	1.666	159801	199763	659306	SLV 9	0.57	2474	1.666	Si
372	-2653	-2121	-7391	SLV 7	0.57	2474	1.666	71623	254183	659306	SLV 9	0.57	2474	1.666	Si
388	-2960	-2121	-7391	SLV 7	0.57	2474	1.666	20103	281392	659306	SLV 9	0.57	2474	1.666	Si
420	-3573	-2121	-7391	SLV 7	0.57	2474	1.666	-97800	-335812	-659306	SLV 7	0.57	2474	1.666	Si
453	-4185	-2121	-7391	SLV 7	0.54	2076	1.551	-179062	-368794	-659306	SLV 7	0.47	1393	1.317	Si
460	-4324	-2121	-7391	SLV 7	0.52	1844	1.477	-179062	-368794	-659306	SLV 7	0.47	1393	1.317	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
25	3924	745	7391	SLD 9	0.6	2474	4.193	-91674	-160791	-659306	SLD 9	0.47	1413	3.333	Si
32	3785	745	7391	SLD 9	0.6	2474	4.193	-91674	-160791	-659306	SLD 9	0.47	1413	3.333	Si
65	3171	745	7391	SLD 9	0.6	2474	4.193	-18268	-146196	-659306	SLD 9	0.58	2474	4.193	Si
97	2558	745	7391	SLD 9	0.6	2474	4.193	86662	122114	659306	SLD 7	0.6	2474	4.193	Si
129	1945	745	7391	SLD 9	0.6	2474	4.193	171765	98032	659306	SLD 7	0.6	2474	4.193	Si
145	1638	745	7391	SLD 9	0.6	2474	4.193	206881	85991	659306	SLD 7	0.6	2474	4.193	Si
178	1025	745	7391	SLD 9	0.6	2474	4.193	262243	61909	659306	SLD 7	0.6	2474	4.193	Si
210	412	745	7391	SLD 9	0.6	2474	4.193	301183	34921	659306	SLD 7	0.6	2474	4.193	Si
242	-201	-745	-7391	SLD 7	0.6	2474	4.193	305418	16159	659306	SLD 9	0.6	2474	4.193	Si
275	-814	-745	-7391	SLD 7	0.6	2474	4.193	276699	40236	659306	SLD 9	0.6	2474	4.193	Si
307	-1427	-745	-7391	SLD 7	0.6	2474	4.193	228160	64318	659306	SLD 9	0.6	2474	4.193	Si
339	-2040	-745	-7391	SLD 7	0.6	2474	4.193	159801	88399	659306	SLD 9	0.6	2474	4.193	Si
372	-2653	-745	-7391	SLD 7	0.6	2474	4.193	71623	112481	659306	SLD 9	0.6	2474	4.193	Si
388	-2960	-745	-7391	SLD 7	0.6	2474	4.193	20103	124522	659306	SLD 9	0.6	2474	4.193	Si
420	-3573	-745	-7391	SLD 7	0.6	2474	4.193	-97800	-148604	-659306	SLD 7	0.5	1694	3.59	Si
453	-4185	-745	-7391	SLD 7	0.57	2400	4.141	-179062	-163199	-659306	SLD 7	0.4	877	2.741	Si
460	-4324	-745	-7391	SLD 7	0.54	2132	3.945	-179062	-163199	-659306	SLD 7	0.4	877	2.741	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" 25C-25D

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x50	Rettangolare	30	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 25C - ?, sezione R 30x50, asta 713

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-556842	SLU 29	-526563	-644450	0.121	Si
20	7.6	5.4	7.6	5.4						-497221	SLU 29	-497221	-644450	0.121	Si
43	7.6	5.4	7.6	5.4						-429893	SLU 29	-487511	-644450	0.121	Si
65	7.6	5.4	7.6	5.4						-369860	SLU 29	-425356	-644450	0.121	Si
87	7.6	5.4	7.6	5.4						-312121	SLU 29	-365494	-644450	0.121	Si
98	7.6	5.4	7.6	5.4						-284112	SLU 29	-336424	-644450	0.121	Si
119	7.6	5.4	7.6	5.4						-229815	SLU 29	-280004	-644450	0.121	Si
141	7.6	5.4	7.6	5.4						-177812	SLU 29	-225879	-644450	0.121	Si
163	7.6	5.4	7.6	5.4						-128104	SLU 29	-174048	-644450	0.121	Si
184	7.6	5.4	7.6	5.4						-80716	SLU 30	-124511	-644450	0.121	Si
206	7.6	5.4	7.6	5.4	-16876	SLU 1	10555	644450	0.121	-35722	SLU 30	-77304	-644450	0.121	Si
228	7.6	5.4	7.6	5.4	13017	SLU 19	44796	644450	0.121	3449	SLU 12	-32482	-644450	0.121	Si
249	7.6	5.4	7.6	5.4	47787	SLU 29	83205	644450	0.121						Si
260	7.6	5.4	7.6	5.4	67192	SLU 29	101548	644450	0.121						Si
282	7.6	5.4	7.6	5.4	104282	SLU 29	136516	644450	0.121						Si
305	7.6	5.4	7.6	5.4	141660	SLU 29	141660	644450	0.121						Si
325	7.6	5.4	7.6	5.4	171578	SLU 29	157088	644450	0.121						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	82822	SLV 13	77280	644450	0.121	-870677	SLV 3	-821413	-644450	0.121	No
20	7.6	5.4	7.6	5.4	71005	SLV 13	71005	644450	0.121	-772858	SLV 3	-772858	-644450	0.121	No
43	7.6	5.4	7.6	5.4	55352	SLV 13	68906	644450	0.121	-660313	SLV 3	-756769	-644450	0.121	No
65	7.6	5.4	7.6	5.4	38977	SLV 13	54159	644450	0.121	-557786	SLV 3	-652604	-644450	0.121	No
87	7.6	5.4	7.6	5.4	20848	SLV 13	37653	644450	0.121	-457034	SLV 3	-550210	-644450	0.121	Si
98	7.6	5.4	7.6	5.4	11129	SLV 13	28742	644450	0.121	-407327	SLV 3	-499679	-644450	0.121	Si
119	7.6	5.4	7.6	5.4	-7010	SLV 9	9608	644450	0.121	-311861	SLV 7	-399952	-644450	0.121	Si
141	7.6	5.4	7.6	5.4						-232022	SLV 7	-305849	-644450	0.121	Si
163	7.6	5.4	7.6	5.4						-154359	SLV 7	-226154	-644450	0.121	Si
184	7.6	5.4	7.6	5.4	-3633	SLV 1	65966	644450	0.121	-104432	SLV 15	-148510	-644450	0.121	Si
206	7.6	5.4	7.6	5.4	71619	SLV 1	149440	644450	0.121	-116475	SLV 15	-139018	-644450	0.121	Si
228	7.6	5.4	7.6	5.4	155968	SLV 3	236640	644450	0.121	-141145	SLV 13	-169805	-644450	0.121	Si
249	7.6	5.4	7.6	5.4	243143	SLV 3	322426	644450	0.121	-172170	SLV 13	-202706	-644450	0.121	Si
260	7.6	5.4	7.6	5.4	286184	SLV 3	364685	644450	0.121	-188460	SLV 13	-219848	-644450	0.121	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
282	7.6	5.4	7.6	5.4	371003	SLV 3	447905	644450	0.121	-222424	SLV 13	-255478	-644450	0.121	Si
305	7.6	5.4	7.6	5.4	460479	SLV 3	460479	644450	0.121	-261086	SLV 13	-261086	-644450	0.121	Si
325	7.6	5.4	7.6	5.4	535434	SLV 3	498331	644450	0.121	-295735	SLV 13	-278064	-644450	0.121	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-604904	SLD 3	-570917	-644450	0.121	Si
20	7.6	5.4	7.6	5.4						-537645	SLD 3	-537645	-644450	0.121	Si
43	7.6	5.4	7.6	5.4						-460833	SLD 3	-526626	-644450	0.121	Si
65	7.6	5.4	7.6	5.4						-391449	SLD 3	-455606	-644450	0.121	Si
87	7.6	5.4	7.6	5.4						-323833	SLD 3	-386354	-644450	0.121	Si
98	7.6	5.4	7.6	5.4						-290690	SLD 3	-352391	-644450	0.121	Si
119	7.6	5.4	7.6	5.4						-226889	SLD 7	-285794	-644450	0.121	Si
141	7.6	5.4	7.6	5.4						-170988	SLD 7	-222671	-644450	0.121	Si
163	7.6	5.4	7.6	5.4						-117032	SLD 7	-166907	-644450	0.121	Si
184	7.6	5.4	7.6	5.4	-31733	SLD 1	15385	644450	0.121	-76332	SLD 15	-113033	-644450	0.121	Si
206	7.6	5.4	7.6	5.4	19187	SLD 1	69033	644450	0.121	-64043	SLD 15	-75355	-644450	0.121	Si
228	7.6	5.4	7.6	5.4	73149	SLD 3	123346	644450	0.121	-58326	SLD 13	-63001	-644450	0.121	Si
249	7.6	5.4	7.6	5.4	127377	SLD 3	176050	644450	0.121	-56405	SLD 13	-58145	-644450	0.121	Si
260	7.6	5.4	7.6	5.4	153881	SLD 3	201752	644450	0.121	-56157	SLD 13	-57009	-644450	0.121	Si
282	7.6	5.4	7.6	5.4	205591	SLD 3	251844	644450	0.121	-57012	SLD 13	-59417	-644450	0.121	Si
305	7.6	5.4	7.6	5.4	259350	SLD 3	259350	644450	0.121	-59957	SLD 13	-59957	-644450	0.121	Si
325	7.6	5.4	7.6	5.4	303755	SLD 3	281919	644450	0.121	-64055	SLD 13	-61652	-644450	0.121	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3032	SLU 29	3032	6102	35398	0	6102	1	Si
20	0.046	7.6	0	2934	SLU 29	2934	6102	35398	3670	6102	1	Si
43	0.046	7.6	0	2820	SLU 29	2820	6102	35398	3670	6102	1	Si
65	0.046	7.6	0	2714	SLU 29	2714	6102	35398	3670	6102	1	Si
87	0.046	7.6	0	2609	SLU 29	2609	6102	35398	3670	6102	1	Si
98	0.046	7.6	0	2556	SLU 29	2556	6102	35398	3670	6102	1	Si
119	0.046	7.6	0	2450	SLU 29	2450	6102	35398	3670	6102	1	Si
141	0.046	7.6	0	2344	SLU 29	2344	6102	35398	3670	6102	1	Si
163	0.046	7.6	0	2238	SLU 29	2238	6102	35398	3670	6102	1	Si
184	0.046	7.6	0	2133	SLU 29	2133	6102	35398	3670	6102	1	Si
206	0.046	7.6	0	2027	SLU 29	2027	6102	35398	3670	6102	1	Si
228	0.046	7.6	0	1921	SLU 29	1921	6102	35398	3670	6102	1	Si
249	0.046	7.6	0	1815	SLU 29	1815	6102	35398	3670	6102	1	Si
260	0.046	7.6	0	1763	SLU 29	1763	6102	35398	3670	6102	1	Si
282	0.046	7.6	0	1657	SLU 29	1657	6102	35398	3670	6102	1	Si
305	0.046	7.6	0	1543	SLU 29	1543	6102	35398	3670	6102	1	Si
325	0	7.6	0	1445	SLU 29	1445	6102	35398	0	6102	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4930	SLV 3	5643	6102	35398	0	6102	1	Si
0	0	7.6	0	-552	SLV 13	-1265	-6102	-35398	0	-6102	1	Si
20	0.046	7.6	0	4855	SLV 3	5568	6102	35398	3670	6102	1	Si
20	0.046	7.6	0	-627	SLV 13	-1340	-6102	-35398	-3670	-6102	1	Si
43	0.046	7.6	0	4768	SLV 3	5481	6102	35398	3670	6102	1	Si
43	0.046	7.6	0	-715	SLV 13	-1428	-6102	-35398	-3670	-6102	1	Si
65	0.046	7.6	0	4686	SLV 3	5399	6102	35398	3670	6102	1	Si
65	0.046	7.6	0	-796	SLV 13	-1509	-6102	-35398	-3670	-6102	1	Si
87	0.046	7.6	0	4605	SLV 3	5318	6102	35398	3670	6102	1	Si
87	0.046	7.6	0	-878	SLV 13	-1591	-6102	-35398	-3670	-6102	1	Si
98	0.046	7.6	0	4564	SLV 3	5277	6102	35398	3670	6102	1	Si
98	0.046	7.6	0	-919	SLV 13	-1631	-6102	-35398	-3670	-6102	1	Si
119	0.046	7.6	0	4483	SLV 3	5196	6102	35398	3670	6102	1	Si
119	0.046	7.6	0	-1000	SLV 13	-1713	-6102	-35398	-3670	-6102	1	Si
141	0.046	7.6	0	4402	SLV 3	5114	6102	35398	3670	6102	1	Si
141	0.046	7.6	0	-1081	SLV 13	-1794	-6102	-35398	-3670	-6102	1	Si
163	0.046	7.6	0	4320	SLV 3	5033	6102	35398	3670	6102	1	Si
163	0.046	7.6	0	-1163	SLV 13	-1875	-6102	-35398	-3670	-6102	1	Si
184	0.046	7.6	0	4239	SLV 3	4952	6102	35398	3670	6102	1	Si
184	0.046	7.6	0	-1244	SLV 13	-1957	-6102	-35398	-3670	-6102	1	Si
206	0.046	7.6	0	4158	SLV 3	4870	6102	35398	3670	6102	1	Si
206	0.046	7.6	0	-1325	SLV 13	-2038	-6102	-35398	-3670	-6102	1	Si
228	0.046	7.6	0	4076	SLV 3	4789	6102	35398	3670	6102	1	Si
228	0.046	7.6	0	-1407	SLV 13	-2119	-6102	-35398	-3670	-6102	1	Si
249	0.046	7.6	0	3995	SLV 3	4708	6102	35398	3670	6102	1	Si
249	0.046	7.6	0	-1488	SLV 13	-2201	-6102	-35398	-3670	-6102	1	Si
260	0.046	7.6	0	3954	SLV 3	4667	6102	35398	3670	6102	1	Si
260	0.046	7.6	0	-1529	SLV 13	-2241	-6102	-35398	-3670	-6102	1	Si
282	0.046	7.6	0	3873	SLV 3	4586	6102	35398	3670	6102	1	Si
282	0.046	7.6	0	-1610	SLV 13	-2323	-6102	-35398	-3670	-6102	1	Si
305	0.046	7.6	0	3785	SLV 3	4498	6102	35398	3670	6102	1	Si
305	0.046	7.6	0	-1698	SLV 13	-2411	-6102	-35398	-3670	-6102	1	Si
325	0	7.6	0	3710	SLV 3	4423	6102	35398	0	6102	1	Si
325	0	7.6	0	-1773	SLV 13	-2486	-6102	-35398	0	-6102	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3402	SLD 3	3402	6102	35398	0	6102	1	Si
20	0.046	7.6	0	3327	SLD 3	3327	6102	35398	3670	6102	1	Si
43	0.046	7.6	0	3239	SLD 3	3239	6102	35398	3670	6102	1	Si
65	0.046	7.6	0	3158	SLD 3	3158	6102	35398	3670	6102	1	Si
87	0.046	7.6	0	3077	SLD 3	3077	6102	35398	3670	6102	1	Si
98	0.046	7.6	0	3036	SLD 3	3036	6102	35398	3670	6102	1	Si
119	0.046	7.6	0	2955	SLD 3	2955	6102	35398	3670	6102	1	Si
141	0.046	7.6	0	2873	SLD 3	2873	6102	35398	3670	6102	1	Si
163	0.046	7.6	0	2792	SLD 3	2792	6102	35398	3670	6102	1	Si
184	0.046	7.6	0	2711	SLD 3	2711	6102	35398	3670	6102	1	Si
206	0.046	7.6	0	2629	SLD 3	2629	6102	35398	3670	6102	1	Si
228	0.046	7.6	0	2548	SLD 3	2548	6102	35398	3670	6102	1	Si
249	0.046	7.6	0	2467	SLD 3	2467	6102	35398	3670	6102	1	Si
260	0.046	7.6	0	2426	SLD 3	2426	6102	35398	3670	6102	1	Si
260	0.046	7.6	0	0	SLD 13	0	-6102	-35398	-3670	-6102	1	Si
282	0.046	7.6	0	2345	SLD 3	2345	6102	35398	3670	6102	1	Si
282	0.046	7.6	0	-82	SLD 13	-82	-6102	-35398	-3670	-6102	1	Si
305	0.046	7.6	0	2257	SLD 3	2257	6102	35398	3670	6102	1	Si
305	0.046	7.6	0	-169	SLD 13	-169	-6102	-35398	-3670	-6102	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
325	0	7.6	0	2182	SLD 3	2182	6102	35398	0	6102	1	Si
325	0	7.6	0	-244	SLD 13	-244	-6102	-35398	0	-6102	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-414515	2	-391795	36.7	124.5	1291.1	1837	-393927	2	-372067	34.8	93.4	0	+∞	Si
20	-369795	2	-369795	34.6	124.5	1218.6	1837	-350927	2	-350927	32.8	93.4	0	+∞	Si
43	-319339	2	-362515	33.9	124.5	1194.6	1837	-302481	2	-343932	32.2	93.4	0	+∞	Si
65	-274397	2	-315941	29.6	124.5	1041.1	1837	-259404	2	-299223	28	93.4	0	+∞	Si
87	-231221	2	-271132	25.4	124.5	893.5	1837	-218093	2	-256279	24	93.4	0	+∞	Si
98	-210295	2	-249389	23.3	124.5	821.8	1837	-198099	2	-235469	22	93.4	0	+∞	Si
119	-169766	2	-207228	19.4	124.5	682.9	1837	-159435	2	-195172	18.3	93.4	0	+∞	Si
141	-131002	2	-166831	15.6	124.5	549.8	1837	-122536	2	-156640	14.7	93.4	0	+∞	Si
163	-94003	2	-128199	12	124.5	422.5	1837	-87402	2	-119873	11.2	93.4	0	+∞	Si
184	-58786	3	-91332	8.5	124.5	301	1837	-54033	2	-84871	7.9	93.4	0	+∞	Si
206	-25401	3	-56254	5.3	124.5	185.4	1837	-22428	2	-51634	4.8	93.4	0	+∞	Si
228	8921	1	34137	3.2	124.5	112.5	1837	8921	1	33418	3.1	93.4	0	+∞	Si
249	36345	2	62444	5.8	124.5	205.8	1837	35486	2	59860	5.6	93.4	0	+∞	Si
260	50653	2	75935	7.1	124.5	250.2	1837	48862	2	72419	6.8	93.4	0	+∞	Si
282	77946	2	101595	9.5	124.5	334.8	1837	74289	2	96214	9	93.4	0	+∞	Si
305	105363	2	105363	9.9	124.5	347.2	1837	99696	2	99696	9.3	93.4	0	+∞	Si
325	127236	2	116660	10.9	124.5	384.4	1837	119850	2	110134	10.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.012	1	-0.013	1	9999	Si
43	-0.01	-0.011	-0.009	-0.01	-0.01	-0.011	-0.009	-0.01	-0.01	-0.011	-0.022	1	-0.024	1	9999	Si
65	-0.012	-0.015	-0.011	-0.013	-0.012	-0.014	-0.011	-0.013	-0.012	-0.014	-0.027	1	-0.031	1	9999	Si
87	-0.014	-0.016	-0.013	-0.015	-0.014	-0.016	-0.013	-0.014	-0.014	-0.015	-0.031	1	-0.034	1	9999	Si
98	-0.014	-0.017	-0.013	-0.015	-0.014	-0.016	-0.013	-0.015	-0.014	-0.016	-0.031	1	-0.035	1	9999	Si
108	-0.014	-0.017	-0.013	-0.015	-0.014	-0.016	-0.013	-0.015	-0.014	-0.016	-0.032	1	-0.035	1	9999	Si
119	-0.014	-0.017	-0.013	-0.015	-0.014	-0.016	-0.013	-0.015	-0.014	-0.016	-0.031	1	-0.035	1	9999	Si
141	-0.014	-0.016	-0.012	-0.015	-0.014	-0.015	-0.012	-0.014	-0.014	-0.015	-0.03	1	-0.033	1	9999	Si
163	-0.012	-0.015	-0.011	-0.013	-0.012	-0.014	-0.011	-0.013	-0.012	-0.014	-0.027	1	-0.03	1	9999	Si
184	-0.011	-0.013	-0.01	-0.012	-0.011	-0.012	-0.01	-0.011	-0.011	-0.012	-0.023	1	-0.026	1	9999	Si
206	-0.009	-0.01	-0.008	-0.009	-0.009	-0.01	-0.008	-0.009	-0.009	-0.01	-0.019	1	-0.022	1	9999	Si
228	-0.007	-0.008	-0.006	-0.007	-0.007	-0.008	-0.006	-0.007	-0.007	-0.007	-0.015	1	-0.017	1	9999	Si
249	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.01	1	-0.012	1	9999	Si
260	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.01	1	9999	Si
282	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
305	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	2114	3454	6102	SLV 3	0.42	1013	1.156	-350927	-421932	-644450	SLV 3	0.26	310	0.711	No
43	2026	3454	6102	SLV 3	0.43	1073	1.183	-343932	-412838	-644450	SLV 3	0.27	342	0.74	No
65	1945	3454	6102	SLV 3	0.43	1131	1.209	-299223	-353381	-644450	SLV 3	0.36	672	0.977	No
87	1864	3454	6102	SLV 3	0.44	1190	1.234	-256279	-293932	-644450	SLV 3	0.47	1446	1.337	Si
98	1823	3454	6102	SLV 3	0.45	1221	1.247	-235469	-264210	-644450	SLV 3	0.55	2212	1.592	Si
119	1742	3454	6102	SLV 3	0.45	1283	1.273	-195172	-204780	-644450	SLV 3	0.57	2474	1.666	Si
141	1660	3454	6102	SLV 3	0.46	1347	1.299	-156640	-149209	-644450	SLV 7	0.57	2474	1.666	Si
163	1579	3454	6102	SLV 3	0.47	1414	1.325	-119873	-106282	-644450	SLV 7	0.57	2474	1.666	Si
184	1498	3454	6102	SLV 3	0.48	1482	1.351	-24761	-90727	-644450	SLV 15	0.57	2474	1.666	Si
206	1416	3454	6102	SLV 3	0.49	1553	1.377	5211	144229	644450	SLV 3	0.57	2474	1.666	Si
228	1335	3454	6102	SLV 3	0.49	1626	1.403	33418	203222	644450	SLV 3	0.57	2474	1.666	Si
249	1253	3454	6102	SLV 3	0.5	1702	1.429	59860	262566	644450	SLV 3	0.57	2474	1.666	Si
260	1213	3454	6102	SLV 3	0.51	1740	1.442	72419	292267	644450	SLV 3	0.57	2474	1.666	Si
282	1131	3454	6102	SLV 3	0.51	1819	1.469	96214	351692	644450	SLV 3	0.55	2254	1.604	Si
305	1044	3454	6102	SLV 3	0.52	1906	1.497	99696	360783	644450	SLV 3	0.54	2069	1.549	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	2114	1213	6102	SLD 3	0.44	1169	3.083	-350927	-186719	-644450	SLD 3	0.22	210	1.525	Si
43	2026	1213	6102	SLD 3	0.45	1239	3.158	-343932	-182694	-644450	SLD 3	0.23	233	1.592	Si
65	1945	1213	6102	SLD 3	0.46	1306	3.227	-299223	-156383	-644450	SLD 3	0.3	442	2.069	Si
87	1864	1213	6102	SLD 3	0.47	1374	3.295	-256279	-130075	-644450	SLD 3	0.4	908	2.78	Si
98	1823	1213	6102	SLD 3	0.47	1410	3.33	-235469	-116922	-644450	SLD 3	0.47	1378	3.299	Si
119	1742	1213	6102	SLD 3	0.48	1481	3.397	-195172	-90623	-644450	SLD 3	0.6	2474	4.193	Si
141	1660	1213	6102	SLD 3	0.49	1556	3.467	-156640	-66031	-644450	SLD 7	0.6	2474	4.193	Si
163	1579	1213	6102	SLD 3	0.5	1634	3.537	-119873	-47034	-644450	SLD 7	0.6	2474	4.193	Si
184	1498	1213	6102	SLD 3	0.5	1713	3.606	-24761	-40146	-644450	SLD 15	0.6	2474	4.193	Si
206	1416	1213	6102	SLD 3	0.51	1795	3.676	5211	63822	644450	SLD 3	0.6	2474	4.193	Si
228	1335	1213	6102	SLD 3	0.52	1881	3.747	33418	89929	644450	SLD 3	0.6	2474	4.193	Si
249	1253	1213	6102	SLD 3	0.53	1968	3.817	59860	116190	644450	SLD 3	0.6	2474	4.193	Si
260	1213	1213	6102	SLD 3	0.53	2012	3.852	72419	129333	644450	SLD 3	0.58	2474	4.193	Si
282	1131	1213	6102	SLD 3	0.54	2103	3.923	96214	155631	644450	SLD 3	0.47	1405	3.325	Si
305	1044	1213	6102	SLD 3	0.55	2203	3.998	99696	159654	644450	SLD 3	0.46	1291	3.211	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" 25C-25D

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89

Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x50	Rettangolare	40	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 25C - 25D, sezione R 40x50, asta 715

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-254555	SLU 36	-202498	-659762	0.115	Si
21	7.6	5.4	11.4	5.4						-160781	SLU 35	-160737	-659762	0.115	Si
23	7.6	5.4	11.4	5.4						-156391	SLU 35	-156391	-659762	0.115	Si
43	7.6	5.4	11.4	5.4	-44404	SLU 11	17329	959152	0.125	-83378	SLU 26	-156027	-659762	0.115	Si
64	7.6	5.4	11.4	5.4	21096	SLU 11	83595	959152	0.125	-16443	SLU 26	-79318	-659762	0.115	Si
85	7.6	5.4	11.4	5.4	87637	SLU 29	145667	959152	0.125	35326	SLU 8	-12768	-659762	0.115	Si
96	7.6	5.4	11.4	5.4	119526	SLU 29	173351	959152	0.125						Si
117	7.6	5.4	11.4	5.4	176598	SLU 29	222013	959152	0.125						Si
139	7.6	5.4	11.4	5.4	224731	SLU 29	261974	959152	0.125						Si
160	7.6	5.4	11.4	5.4	264185	SLU 30	293145	959152	0.125						Si
181	7.6	5.4	11.4	5.4	294827	SLU 30	315377	959152	0.125						Si
203	7.6	5.4	11.4	5.4	316529	SLU 30	328668	959152	0.125						Si
224	7.6	5.4	11.4	5.4	329292	SLU 30	333020	959152	0.125						Si
235	7.6	5.4	11.4	5.4	332320	SLU 30	333114	959152	0.125						Si
245	7.6	5.4	11.4	5.4	333114	SLU 30	333114	959152	0.125						Si
256	7.6	5.4	11.4	5.4	331673	SLU 30	333114	959152	0.125						Si
277	7.6	5.4	11.4	5.4	323217	SLU 36	331237	959152	0.125						Si
298	7.6	5.4	11.4	5.4	309709	SLU 36	323161	959152	0.125						Si
299	7.6	5.4	11.4	5.4	308806	SLU 36	308742	959152	0.125						Si
320	7.6	5.4	11.4	5.4	285988	SLU 36	285988	959152	0.125						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	1241404	SLV 15	1173683	959152	0.125	-1609565	SLV 1	-1466470	-659762	0.115	No
21	7.6	5.4	11.4	5.4	1119337	SLV 15	1118613	959152	0.125	-1350325	SLV 1	-1349537	-659762	0.115	No
23	7.6	5.4	11.4	5.4	1112425	SLV 15	1112425	959152	0.125	-1336397	SLV 1	-1336397	-659762	0.115	No
43	7.6	5.4	11.4	5.4	991484	SLV 15	1111852	959152	0.125	-1097212	SLV 1	-1335243	-659762	0.115	No
64	7.6	5.4	11.4	5.4	857790	SLV 15	983653	959152	0.125	-850400	SLV 1	-1082502	-659762	0.115	No
85	7.6	5.4	11.4	5.4	718331	SLV 15	849616	959152	0.125	-609983	SLV 1	-836068	-659762	0.115	No
96	7.6	5.4	11.4	5.4	646476	SLV 15	780432	959152	0.125	-492208	SLV 1	-715244	-659762	0.115	No
117	7.6	5.4	11.4	5.4	498610	SLV 15	637801	959152	0.125	-261622	SLV 1	-478454	-659762	0.115	Si
139	7.6	5.4	11.4	5.4	345395	SLV 15	489614	959152	0.125	-37846	SLV 1	-248267	-659762	0.115	Si
160	7.6	5.4	11.4	5.4	269018	SLV 7	424019	959152	0.125	96931	SLV 9	-24921	-659762	0.115	Si
181	7.6	5.4	11.4	5.4	436319	SLV 3	628381	959152	0.125	-24128	SLV 13	-183947	-659762	0.115	Si
203	7.6	5.4	11.4	5.4	640393	SLV 3	827677	959152	0.125	-194120	SLV 13	-360600	-659762	0.115	Si
224	7.6	5.4	11.4	5.4	839384	SLV 3	1021705	959152	0.125	-371189	SLV 13	-544145	-659762	0.115	No
245	7.6	5.4	11.4	5.4	1033097	SLV 3	1210274	959152	0.125	-555138	SLV 13	-734390	-659762	0.115	No
256	7.6	5.4	11.4	5.4	1127912	SLV 3	1302459	959152	0.125	-649632	SLV 13	-831973	-659762	0.115	No
277	7.6	5.4	11.4	5.4	1313357	SLV 3	1482546	959152	0.125	-843553	SLV 13	-1031975	-659762	0.115	No
298	7.6	5.4	11.4	5.4	1483354	SLV 3	1483354	959152	0.125	-1032890	SLV 13	-1032890	-659762	0.115	No
299	7.6	5.4	11.4	5.4	1493105	SLV 3	1492854	959152	0.125	-1043936	SLV 13	-1043779	-659762	0.115	No
320	7.6	5.4	11.4	5.4	1667055	SLV 3	1577405	959152	0.125	-1250677	SLV 13	-1140680	-659762	0.115	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	446726	SLD 15	437769	959152	0.125	-814887	SLD 1	-730557	-659762	0.115	No
21	7.6	5.4	11.4	5.4	430945	SLD 15	430642	959152	0.125	-661932	SLD 1	-661566	-659762	0.115	No
23	7.6	5.4	11.4	5.4	429842	SLD 15	429842	959152	0.125	-653814	SLD 1	-653814	-659762	0.115	Si
43	7.6	5.4	11.4	5.4	409282	SLD 15	429750	959152	0.125	-515010	SLD 1	-653141	-659762	0.115	Si
64	7.6	5.4	11.4	5.4	381650	SLD 15	407734	959152	0.125	-374260	SLD 1	-506584	-659762	0.115	Si
85	7.6	5.4	11.4	5.4	348078	SLD 15	379750	959152	0.125	-239730	SLD 1	-366201	-659762	0.115	Si
96	7.6	5.4	11.4	5.4	329080	SLD 15	363528	959152	0.125	-174812	SLD 1	-298340	-659762	0.115	Si
117	7.6	5.4	11.4	5.4	286704	SLD 15	326657	959152	0.125	-49716	SLD 1	-167310	-659762	0.115	Si
139	7.6	5.4	11.4	5.4	238570	SLD 15	283938	959152	0.125	68978	SLD 1	-42591	-659762	0.115	Si
160	7.6	5.4	11.4	5.4	221052	SLD 7	301821	959152	0.125						Si
181	7.6	5.4	11.4	5.4	307977	SLD 3	401956	959152	0.125						Si
203	7.6	5.4	11.4	5.4	407784	SLD 3	496460	959152	0.125	38489	SLD 13	-29383	-659762	0.115	Si
224	7.6	5.4	11.4	5.4	501952	SLD 3	585243	959152	0.125	-33757	SLD 13	-107683	-659762	0.115	Si
245	7.6	5.4	11.4	5.4	590395	SLD 3	668221	959152	0.125	-112437	SLD 13	-192337	-659762	0.115	Si
256	7.6	5.4	11.4	5.4	632443	SLD 3	707510	959152	0.125	-154163	SLD 13	-237024	-659762	0.115	Si
277	7.6	5.4	11.4	5.4	712143	SLD 3	781651	959152	0.125	-242339	SLD 13	-331080	-659762	0.115	Si
298	7.6	5.4	11.4	5.4	781978	SLD 3	781978	959152	0.125	-331515	SLD 13	-331515	-659762	0.115	Si
299	7.6	5.4	11.4	5.4	785932	SLD 3	785796	959152	0.125	-336764	SLD 13	-336720	-659762	0.115	Si
320	7.6	5.4	11.4	5.4	853768	SLD 3	819769	959152	0.125	-437391	SLD 13	-383043	-659762	0.115	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4763	SLU 30	4763	7391	47198	0	7391	1	Si
21	0	7.6	0	4362	SLU 30	4362	7391	47198	0	7391	1	Si
23	0.181	7.6	0	4340	SLU 30	4340	7391	47198	14504	14504	1	Si
43	0.181	7.6	0	3951	SLU 30	3951	7391	47198	14504	14504	1	Si
64	0.181	11.4	0	3532	SLU 30	3532	8461	47198	14504	14504	1	Si
85	0.172	11.4	0	3113	SLU 30	3113	8461	47198	13813	13813	1	Si
96	0.172	11.4	0	2903	SLU 30	2903	8461	47198	13813	13813	1	Si
117	0.172	11.4	0	2484	SLU 30	2484	8461	47198	13813	13813	1	Si
139	0.172	11.4	0	2084	SLU 36	2084	8461	47198	13813	13813	1	Si
160	0.172	11.4	0	1690	SLU 36	1690	8461	47198	13813	13813	1	Si
181	0.172	11.4	0	1326	SLU 35	1326	8461	47198	13813	13813	1	Si
203	0.172	11.4	0	1000	SLU 26	1000	8461	47198	13813	13813	1	Si
224	0.172	11.4	0	695	SLU 26	695	8461	47198	13813	13813	1	Si
245	0.172	11.4	0	389	SLU 26	389	8461	47198	13813	13813	1	Si
245	0.172	11.4	0	-140	SLU 11	-140	-8461	-47198	-13813	-13813	1	Si
256	0.161	11.4	0	237	SLU 26	237	8461	47198	12892	12892	1	Si
256	0.161	11.4	0	-319	SLU 11	-319	-8461	-47198	-12892	-12892	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
277	0.161	11.4	0	-677	SLU 29	-677	-8461	-47198	-12892	-12892	1	Si
298	0.161	11.4	0	-1073	SLU 29	-1073	-8461	-47198	-12892	-12892	1	Si
299	0	11.4	0	-1096	SLU 29	-1096	-8461	-47198	0	-8461	1	Si
320	0	11.4	0	-1507	SLU 29	-1507	-8461	-47198	0	-8461	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	12317	SLV 3	14649	7391	47198	0	7391	1	Si
0	0	11.4	0	-5625	SLV 13	-7957	-8461	-47198	0	-8461	1	Si
21	0	7.6	0	12044	SLV 3	14377	7391	47198	0	7391	1	Si
21	0	11.4	0	-5897	SLV 13	-8230	-8461	-47198	0	-8461	1	Si
23	0.181	7.6	0	12029	SLV 3	14362	7391	47198	14504	14504	1	Si
23	0.181	11.4	0	-5912	SLV 13	-8245	-8461	-47198	-14504	-14504	1	Si
43	0.181	7.6	0	11764	SLV 3	14097	7391	47198	14504	14504	1	Si
43	0.181	11.4	0	-6177	SLV 13	-8509	-8461	-47198	-14504	-14504	1	Si
64	0.181	7.6	0	11479	SLV 3	13812	7391	47198	14504	14504	1	Si
64	0.181	11.4	0	-6462	SLV 13	-8794	-8461	-47198	-14504	-14504	1	Si
85	0.172	7.6	0	11194	SLV 3	13527	7391	47198	13813	13813	1	Si
85	0.172	11.4	0	-6747	SLV 13	-9079	-8461	-47198	-13813	-13813	1	Si
96	0.172	7.6	0	11052	SLV 3	13384	7391	47198	13813	13813	1	Si
96	0.172	11.4	0	-6889	SLV 13	-9222	-8461	-47198	-13813	-13813	1	Si
117	0.172	7.6	0	10767	SLV 3	13099	7391	47198	13813	13813	1	Si
117	0.172	11.4	0	-7174	SLV 13	-9507	-8461	-47198	-13813	-13813	1	Si
139	0.172	11.4	0	10482	SLV 3	12814	8461	47198	13813	13813	1	Si
139	0.172	11.4	0	-7459	SLV 13	-9792	-8461	-47198	-13813	-13813	1	Si
160	0.172	11.4	0	10197	SLV 3	12529	8461	47198	13813	13813	1	Si
160	0.172	11.4	0	-7744	SLV 13	-10077	-8461	-47198	-13813	-13813	1	Si
181	0.172	11.4	0	9912	SLV 3	12244	8461	47198	13813	13813	1	Si
181	0.172	7.6	0	-8029	SLV 13	-10362	-7391	-47198	-13813	-13813	1	Si
203	0.172	11.4	0	9627	SLV 3	11959	8461	47198	13813	13813	1	Si
203	0.172	7.6	0	-8314	SLV 13	-10647	-7391	-47198	-13813	-13813	1	Si
224	0.172	11.4	0	9342	SLV 3	11674	8461	47198	13813	13813	1	Si
224	0.172	7.6	0	-8599	SLV 13	-10932	-7391	-47198	-13813	-13813	1	Si
245	0.172	11.4	0	9057	SLV 3	11389	8461	47198	13813	13813	1	Si
245	0.172	7.6	0	-8884	SLV 13	-11217	-7391	-47198	-13813	-13813	1	Si
256	0.161	11.4	0	8915	SLV 3	11247	8461	47198	12892	12892	1	Si
256	0.161	7.6	0	-9027	SLV 13	-11359	-7391	-47198	-12892	-12892	1	Si
277	0.161	11.4	0	8630	SLV 3	10962	8461	47198	12892	12892	1	Si
277	0.161	7.6	0	-9312	SLV 13	-11644	-7391	-47198	-12892	-12892	1	Si
298	0.161	11.4	0	8360	SLV 3	10693	8461	47198	12892	12892	1	Si
298	0.161	7.6	0	-9581	SLV 13	-11914	-7391	-47198	-12892	-12892	1	Si
299	0	11.4	0	8345	SLV 3	10677	8461	47198	0	8461	1	Si
299	0	7.6	0	-9597	SLV 13	-11929	-7391	-47198	0	-7391	1	Si
320	0	11.4	0	8065	SLV 3	10397	8461	47198	0	8461	1	Si
320	0	7.6	0	-9876	SLV 13	-12209	-7391	-47198	0	-7391	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	7316	SLD 3	7316	7391	47198	0	7391	1	Si
0	0	11.4	0	-624	SLD 13	-624	-8461	-47198	0	-8461	1	Si
21	0	7.6	0	7043	SLD 3	7043	7391	47198	0	7391	1	Si
21	0	11.4	0	-896	SLD 13	-896	-8461	-47198	0	-8461	1	Si
23	0.181	7.6	0	7028	SLD 3	7028	7391	47198	14504	14504	1	Si
23	0.181	11.4	0	-911	SLD 13	-911	-8461	-47198	-14504	-14504	1	Si
43	0.181	7.6	0	6763	SLD 3	6763	7391	47198	14504	14504	1	Si
43	0.181	11.4	0	-1176	SLD 13	-1176	-8461	-47198	-14504	-14504	1	Si
64	0.181	7.6	0	6478	SLD 3	6478	7391	47198	14504	14504	1	Si
64	0.181	11.4	0	-1461	SLD 13	-1461	-8461	-47198	-14504	-14504	1	Si
85	0.172	7.6	0	6193	SLD 3	6193	7391	47198	13813	13813	1	Si
85	0.172	11.4	0	-1746	SLD 13	-1746	-8461	-47198	-13813	-13813	1	Si
96	0.172	7.6	0	6051	SLD 3	6051	7391	47198	13813	13813	1	Si
96	0.172	11.4	0	-1888	SLD 13	-1888	-8461	-47198	-13813	-13813	1	Si
117	0.172	7.6	0	5766	SLD 3	5766	7391	47198	13813	13813	1	Si
117	0.172	11.4	0	-2173	SLD 13	-2173	-8461	-47198	-13813	-13813	1	Si
139	0.172	11.4	0	5481	SLD 3	5481	8461	47198	13813	13813	1	Si
139	0.172	11.4	0	-2458	SLD 13	-2458	-8461	-47198	-13813	-13813	1	Si
160	0.172	11.4	0	5196	SLD 3	5196	8461	47198	13813	13813	1	Si
160	0.172	11.4	0	-2743	SLD 13	-2743	-8461	-47198	-13813	-13813	1	Si
181	0.172	11.4	0	4911	SLD 3	4911	8461	47198	13813	13813	1	Si
181	0.172	11.4	0	-3028	SLD 13	-3028	-8461	-47198	-13813	-13813	1	Si
203	0.172	11.4	0	4626	SLD 3	4626	8461	47198	13813	13813	1	Si
203	0.172	11.4	0	-3313	SLD 13	-3313	-8461	-47198	-13813	-13813	1	Si
224	0.172	11.4	0	4341	SLD 3	4341	8461	47198	13813	13813	1	Si
224	0.172	7.6	0	-3598	SLD 13	-3598	-7391	-47198	-13813	-13813	1	Si
245	0.172	11.4	0	4056	SLD 3	4056	8461	47198	13813	13813	1	Si
245	0.172	7.6	0	-3883	SLD 13	-3883	-7391	-47198	-13813	-13813	1	Si
256	0.161	11.4	0	3914	SLD 3	3914	8461	47198	12892	12892	1	Si
256	0.161	7.6	0	-4026	SLD 13	-4026	-7391	-47198	-12892	-12892	1	Si
277	0.161	11.4	0	3629	SLD 3	3629	8461	47198	12892	12892	1	Si
277	0.161	7.6	0	-4311	SLD 13	-4311	-7391	-47198	-12892	-12892	1	Si
298	0.161	11.4	0	3359	SLD 3	3359	8461	47198	12892	12892	1	Si
298	0.161	7.6	0	-4580	SLD 13	-4580	-7391	-47198	-12892	-12892	1	Si
299	0	11.4	0	3344	SLD 3	3344	8461	47198	0	8461	1	Si
299	0	7.6	0	-4596	SLD 13	-4596	-7391	-47198	0	-7391	1	Si
320	0	11.4	0	3064	SLD 3	3064	8461	47198	0	8461	1	Si
320	0	7.6	0	-4875	SLD 13	-4875	-7391	-47198	0	-7391	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-191779	9	-153047	11.7	124.5	499.6	1837	-184080	2	-146394	11.2	93.4	0	+∞	Si
21	-121905	8	-121871	9.3	124.5	397.8	1837	-116042	1	-116010	8.9	93.4	0	+∞	Si
23	-118599	8	-118599	9.1	124.5	387.1	1837	-112794	1	-112794	8.6	93.4	0	+∞	Si
43	-62795	8	-118325	9.1	124.5	386.2	1837	-57983	1	-112525	8.6	93.4	0	+∞	Si
64	9684	2	59253	4.2	124.5	130.9	1837	3695	2	51275	3.6	93.4	0	+∞	Si
64	-9051	8	-59533	4.6	124.5	194.3	1837	-5289	1	-54783	4.2	93.4	0	+∞	Si
85	62270	2	105675	7.4	124.5	233.5	1837	54174	2	96035	6.7	93.4	0	+∞	Si
96	86106	2	126430	8.9	124.5	279.4	1837	77134	2	116135	8.2	93.4	0	+∞	Si
117	128865	2	163027	11.4	124.5	360.2	1837	118494	2	151775	10.7	93.4	0	+∞	Si
139	165074	2	193231	13.6	124.5	427	1837	153774	2	181335	12.7	93.4	0	+∞	Si
160	194906	3	216986	15.2	124.5	479.5	1837	182975	2	204816	14.4	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
181	218272	3	234189	16.4	124.5	517.5	1837	206095	2	222217	15.6	93.4	0	+∞	Si
203	235088	3	244842	17.2	124.5	541	1837	223136	2	233538	16.4	93.4	0	+∞	Si
224	245353	3	248944	17.5	124.5	550.1	1837	234098	2	238780	16.8	93.4	0	+∞	Si
245	249067	3	249067	17.5	124.5	550.4	1837	238979	2	239140	16.8	93.4	0	+∞	Si
256	248468	3	249067	17.5	124.5	550.4	1837	239140	2	239140	16.8	93.4	0	+∞	Si
277	243110	9	248203	17.4	124.5	548.5	1837	234902	2	238979	16.8	93.4	0	+∞	Si
298	233819	9	243072	17.1	124.5	537.1	1837	225232	2	234862	16.5	93.4	0	+∞	Si
299	233192	9	233144	16.4	124.5	515.2	1837	224584	2	224538	15.8	93.4	0	+∞	Si
320	217078	9	217078	15.2	124.5	479.7	1837	208189	2	208189	14.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
23	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
43	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.01	2	0.008	2	9999	Si
64	0.008	0.007	0.007	0.006	0.008	0.007	0.006	0.006	0.008	0.007	0.016	2	0.014	2	9999	Si
85	0.011	0.009	0.009	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.021	2	0.019	2	9999	Si
96	0.012	0.01	0.011	0.009	0.012	0.01	0.01	0.009	0.012	0.01	0.024	2	0.021	2	9999	Si
117	0.015	0.012	0.013	0.011	0.014	0.012	0.012	0.011	0.014	0.012	0.029	2	0.026	2	9999	Si
139	0.017	0.014	0.014	0.012	0.016	0.014	0.014	0.012	0.016	0.014	0.033	2	0.03	2	9666	Si
160	0.018	0.015	0.015	0.013	0.017	0.015	0.015	0.013	0.017	0.015	0.036	2	0.033	2	8927	Si
181	0.019	0.016	0.016	0.014	0.018	0.016	0.015	0.014	0.018	0.016	0.037	2	0.034	2	8629	Si
203	0.018	0.016	0.016	0.014	0.018	0.016	0.015	0.014	0.017	0.016	0.037	2	0.034	2	8738	Si
224	0.017	0.015	0.015	0.013	0.016	0.015	0.014	0.013	0.016	0.015	0.034	2	0.032	2	9323	Si
245	0.015	0.013	0.013	0.011	0.014	0.013	0.012	0.011	0.014	0.013	0.03	2	0.028	2	9999	Si
256	0.014	0.012	0.012	0.01	0.013	0.012	0.011	0.01	0.013	0.012	0.027	2	0.025	2	9999	Si
277	0.01	0.009	0.009	0.008	0.01	0.009	0.008	0.008	0.009	0.009	0.02	2	0.019	2	9999	Si
298	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
299	0.005	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3058	11303	14504	SLV 3	0.37	733	1.012	-111986	-1224411	-659762	SLV 1	0.17	121	0.484	No
43	2794	11303	14504	SLV 3	0.38	775	1.035	-111695	-1223548	-659762	SLV 1	0.17	122	0.485	No
64	2509	11303	14504	SLV 3	0.39	822	1.061	-49425	-1033078	-659762	SLV 1	0.22	217	0.614	No
85	2224	11303	13813	SLV 3	0.37	756	1.025	6774	-842842	-659762	SLV 1	0.29	410	0.797	No
96	2081	11303	13813	SLV 3	0.38	779	1.038	32594	-747838	-659762	SLV 1	0.34	590	0.926	No
117	1796	11303	13813	SLV 3	0.39	826	1.063	79674	-558127	-659762	SLV 1	0.48	1458	1.342	Si
139	1511	11303	13813	SLV 3	0.39	875	1.088	120673	-368941	-659762	SLV 1	0.57	2474	1.666	Si
160	1226	11303	13813	SLV 3	0.4	925	1.113	204816	219203	959152	SLV 3	0.57	2474	1.666	Si
181	941	11303	13813	SLV 3	0.41	977	1.139	222217	406164	959152	SLV 3	0.57	2474	1.666	Si
203	656	11303	13813	SLV 3	0.42	1035	1.166	233538	594139	959152	SLV 3	0.44	1176	1.228	Si
224	371	11303	13813	SLV 3	0.43	1096	1.193	238780	782925	959152	SLV 3	0.34	582	0.921	No
245	86	11303	13813	SLV 3	0.44	1158	1.221	237942	972332	959152	SLV 3	0.27	357	0.753	No
256	-56	-11303	-12892	SLV 13	0.41	970	1.135	235243	1067216	959152	SLV 3	0.25	293	0.695	No
277	-341	-11303	-12892	SLV 13	0.4	919	1.11	225285	1257260	959152	SLV 3	0.22	211	0.607	No
298	-611	-11303	-12892	SLV 13	0.39	871	1.086	225232	1258122	959152	SLV 3	0.22	211	0.607	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3058	3970	14504	SLD 3	0.39	834	2.685	-111986	-541828	-659762	SLD 1	0.14	85	1.053	Si
43	2794	3970	14504	SLD 3	0.4	883	2.748	-111695	-541446	-659762	SLD 1	0.14	85	1.053	Si
64	2509	3970	14504	SLD 3	0.41	935	2.814	-49425	-457159	-659762	SLD 1	0.19	149	1.325	Si
85	2224	3970	13813	SLD 3	0.39	860	2.719	6774	-372976	-659762	SLD 1	0.25	279	1.714	Si
96	2081	3970	13813	SLD 3	0.4	886	2.752	32594	-330934	-659762	SLD 1	0.29	393	1.972	Si
117	1796	3970	13813	SLD 3	0.41	940	2.82	79674	-246984	-659762	SLD 1	0.4	915	2.789	Si
139	1511	3970	13813	SLD 3	0.42	998	2.89	120673	-163264	-659762	SLD 1	0.6	2474	4.193	Si
160	1226	3970	13813	SLD 3	0.42	1062	2.964	204816	97004	959152	SLD 3	0.6	2474	4.193	Si
181	941	3970	13813	SLD 3	0.43	1128	3.039	222217	179739	959152	SLD 3	0.54	2107	3.926	Si
203	656	3970	13813	SLD 3	0.44	1196	3.112	233538	262921	959152	SLD 3	0.37	750	2.57	Si
224	371	3970	13813	SLD 3	0.45	1265	3.185	238780	346463	959152	SLD 3	0.28	388	1.962	Si
245	86	3970	13813	SLD 3	0.46	1338	3.259	237942	430279	959152	SLD 3	0.23	242	1.617	Si
256	-56	-3970	-12892	SLD 13	0.43	1119	3.029	235243	472267	959152	SLD 3	0.21	199	1.492	Si
277	-341	-3970	-12892	SLD 13	0.42	1054	2.955	225285	556365	959152	SLD 3	0.18	144	1.307	Si
298	-611	-3970	-12892	SLD 13	0.41	993	2.884	225232	556747	959152	SLD 3	0.18	144	1.307	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" 25C-60C

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 25C - 36B, sezione R 45x70, asta 696

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	122748	SLU 26	122748	2322809	0.092						Si
9	19.01	5.4	19.01	5.4	163172	SLU 26	163172	2322809	0.092						Si
17	19.01	5.4	19.01	5.4	203080	SLU 26	201208	2322809	0.092						Si
23	19.01	5.4	19.01	5.4	226615	SLU 26	376451	2322809	0.092						Si
26	19.01	5.4	19.01	5.4	242472	SLU 26	397175	2322809	0.092						Si
30	19.01	5.4	19.01	5.4	261974	SLU 26	422725	2322809	0.092						Si
39	19.01	5.4	19.01	5.4	302643	SLU 36	473435	2322809	0.092						Si
48	19.01	5.4	19.01	5.4	353240	SLU 30	523627	2322809	0.092						Si
56	19.01	5.4	19.01	5.4	404652	SLU 30	573300	2322809	0.092						Si
65	19.01	5.4	19.01	5.4	455546	SLU 30	622455	2322809	0.092						Si
74	19.01	5.4	19.01	5.4	505922	SLU 30	671092	2322809	0.092						Si
82	19.01	5.4	19.01	5.4	555779	SLU 30	697608	2322809	0.092						Si
91	19.01	5.4	19.01	5.4	605117	SLU 30	697608	2322809	0.092						Si
100	19.01	5.4	19.01	5.4	653937	SLU 30	697608	2322809	0.092						Si
104	19.01	5.4	19.01	5.4	678153	SLU 30	697608	2322809	0.092						Si
108	19.01	5.4	19.01	5.4	697608	SLU 30	697608	2322809	0.092						Si
113	19.01	5.4	19.01	5.4	726195	SLU 30	726195	2322809	0.092						Si
121	19.01	5.4	19.01	5.4	773719	SLU 30	762670	2322809	0.092						Si
130	19.01	5.4	19.01	5.4	820724	SLU 30	774005	2322809	0.092						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	2114391	SLV 5	2096798	2322809	0.092	-1981040	SLV 11	-1887727	-2322809	0.092	Si
9	19.01	5.4	19.01	5.4	2096331	SLV 5	2092330	2322809	0.092	-1888807	SLV 11	-1866169	-2322809	0.092	Si
17	19.01	5.4	19.01	5.4	2077877	SLV 5	2077877	2322809	0.092	-1796976	SLV 11	-1796976	-2322809	0.092	Si
23	19.01	5.4	19.01	5.4	2066682	SLV 5	2066682	2322809	0.092	-1742433	SLV 11	-1742433	-2322809	0.092	Si
26	19.01	5.4	19.01	5.4	2059032	SLV 5	2066682	2322809	0.092	-1705550	SLV 11	-1742433	-2322809	0.092	Si
30	19.01	5.4	19.01	5.4	2049462	SLV 5	2066682	2322809	0.092	-1659988	SLV 11	-1742433	-2322809	0.092	Si
39	19.01	5.4	19.01	5.4	2030030	SLV 5	2066682	2322809	0.092	-1569168	SLV 11	-1742433	-2322809	0.092	Si
48	19.01	5.4	19.01	5.4	2010208	SLV 5	2066682	2322809	0.092	-1478755	SLV 11	-1742433	-2322809	0.092	Si
56	19.01	5.4	19.01	5.4	1989997	SLV 5	2056241	2322809	0.092	-1388749	SLV 11	-1692264	-2322809	0.092	Si
65	19.01	5.4	19.01	5.4	1969400	SLV 5	2036947	2322809	0.092	-1299153	SLV 11	-1601301	-2322809	0.092	Si
74	19.01	5.4	19.01	5.4	1948419	SLV 5	2017263	2322809	0.092	-1209968	SLV 11	-1510744	-2322809	0.092	Si
82	19.01	5.4	19.01	5.4	1927055	SLV 5	1997190	2322809	0.092	-1121197	SLV 11	-1420593	-2322809	0.092	Si
91	19.01	5.4	19.01	5.4	1905313	SLV 5	1976730	2322809	0.092	-1032844	SLV 11	-1330852	-2322809	0.092	Si
100	19.01	5.4	19.01	5.4	1883198	SLV 5	1955884	2322809	0.092	-944913	SLV 11	-1241521	-2322809	0.092	Si
104	19.01	5.4	19.01	5.4	1872002	SLV 5	1945318	2322809	0.092	-901108	SLV 11	-1197010	-2322809	0.092	Si
108	19.01	5.4	19.01	5.4	1862886	SLV 5	1936719	2322809	0.092	-865813	SLV 11	-1161126	-2322809	0.092	Si
113	19.01	5.4	19.01	5.4	1849340	SLV 5	1848123	2322809	0.092	-813824	SLV 11	-809269	-2322809	0.092	Si
121	19.01	5.4	19.01	5.4	1826326	SLV 5	1826326	2322809	0.092	-726985	SLV 11	-726985	-2322809	0.092	Si
130	19.01	5.4	19.01	5.4	1802976	SLV 5	1802976	2322809	0.092	-640606	SLV 11	-640606	-2322809	0.092	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	972830	SLD 5	972830	2322809	0.092	-839479	SLD 11	-777079	-2322809	0.092	Si
9	19.01	5.4	19.01	5.4	985512	SLD 5	985512	2322809	0.092	-777989	SLD 11	-762776	-2322809	0.092	Si
17	19.01	5.4	19.01	5.4	997799	SLD 5	997294	2322809	0.092	-716899	SLD 11	-716899	-2322809	0.092	Si
23	19.01	5.4	19.01	5.4	1004928	SLD 5	1042470	2322809	0.092	-680679	SLD 11	-680679	-2322809	0.092	Si
26	19.01	5.4	19.01	5.4	1009691	SLD 5	1046685	2322809	0.092	-656209	SLD 11	-680679	-2322809	0.092	Si
30	19.01	5.4	19.01	5.4	1015488	SLD 5	1051822	2322809	0.092	-626014	SLD 11	-680679	-2322809	0.092	Si
39	19.01	5.4	19.01	5.4	1026787	SLD 5	1061801	2322809	0.092	-565926	SLD 11	-680679	-2322809	0.092	Si
48	19.01	5.4	19.01	5.4	1037692	SLD 5	1071388	2322809	0.092	-506240	SLD 11	-680679	-2322809	0.092	Si
56	19.01	5.4	19.01	5.4	1048203	SLD 5	1080585	2322809	0.092	-446955	SLD 11	-647404	-2322809	0.092	Si
65	19.01	5.4	19.01	5.4	1058321	SLD 5	1089394	2322809	0.092	-388074	SLD 11	-587174	-2322809	0.092	Si
74	19.01	5.4	19.01	5.4	1068047	SLD 5	1097816	2322809	0.092	-329596	SLD 11	-527345	-2322809	0.092	Si
82	19.01	5.4	19.01	5.4	1077382	SLD 5	1102284	2322809	0.092	-271524	SLD 11	-467918	-2322809	0.092	Si
91	19.01	5.4	19.01	5.4	1086328	SLD 5	1102284	2322809	0.092	-213858	SLD 11	-408894	-2322809	0.092	Si
100	19.01	5.4	19.01	5.4	1094886	SLD 5	1102284	2322809	0.092	-156601	SLD 11	-350273	-2322809	0.092	Si
104	19.01	5.4	19.01	5.4	1099021	SLD 5	1102284	2322809	0.092	-128127	SLD 11	-321115	-2322809	0.092	Si
108	19.01	5.4	19.01	5.4	1102284	SLD 5	1102284	2322809	0.092	-105211	SLD 11	-297630	-2322809	0.092	Si
113	19.01	5.4	19.01	5.4	1107005	SLD 5	1107005	2322809	0.092	-71489	SLD 11	-68543	-2322809	0.092	Si
121	19.01	5.4	19.01	5.4	1114610	SLD 5	1112995	2322809	0.092	-15269	SLD 11	-15269	-2322809	0.092	Si
130	19.01	5.4	19.01	5.4	1121845	SLD 5	1114861	2322809	0.092						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	7699	SLU 30	7699	12949	76908	0	12949	1	Si
9	0	19.01	0	7626	SLU 30	7626	12949	76908	0	12949	1	Si
17	0	19.01	0	7552	SLU 30	7552	12949	76908	0	12949	1	Si
23	0.13	19.01	0	7509	SLU 30	7509	12949	76908	15103	15103	1	Si
26	0.13	19.01	0	7479	SLU 30	7479	12949	76908	15103	15103	1	Si
30	0.13	19.01	0	7443	SLU 30	7443	12949	76908	15103	15103	1	Si
39	0.13	19.01	0	7369	SLU 30	7369	12949	76908	15103	15103	1	Si
48	0.13	19.01	0	7296	SLU 30	7296	12949	76908	15103	15103	1	Si
56	0.13	19.01	0	7223	SLU 30	7223	12949	76908	15103	15103	1	Si
65	0.13	19.01	0	7150	SLU 30	7150	12949	76908	15103	15103	1	Si
74	0.13	19.01	0	7077	SLU 30	7077	12949	76908	15103	15103	1	Si
82	0.13	19.01	0	7003	SLU 30	7003	12949	76908	15103	15103	1	Si
91	0.13	19.01	0	6930	SLU 30	6930	12949	76908	15103	15103	1	Si
100	0.13	19.01	0	6857	SLU 30	6857	12949	76908	15103	15103	1	Si
104	0.13	19.01	0	6820	SLU 30	6820	12949	76908	15103	15103	1	Si
108	0.13	19.01	0	6791	SLU 30	6791	12949	76908	15103	15103	1	Si
113	0	19.01	0	6747	SLU 30	6747	12949	76908	0	12949	1	Si
121	0	19.01	0	6674	SLU 30	6674	12949	76908	0	12949	1	Si
130	0	19.01	0	6601	SLU 30	6601	12949	76908	0	12949	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	13061	SLV 11	15088	12949	76908	0	12949	1	Si
0	0	19.01	0	-2531	SLV 5	-4558	-12949	-76908	0	-12949	1	Si
9	0	19.01	0	13005	SLV 11	15032	12949	76908	0	12949	1	Si
9	0	19.01	0	-2587	SLV 5	-4614	-12949	-76908	0	-12949	1	Si
17	0	19.01	0	12948	SLV 11	14975	12949	76908	0	12949	1	Si
17	0	19.01	0	-2643	SLV 5	-4670	-12949	-76908	0	-12949	1	Si
23	0.13	19.01	0	12915	SLV 11	14942	12949	76908	15103	15103	1	Si
23	0.13	19.01	0	-2677	SLV 5	-4704	-12949	-76908	-15103	-15103	1	Si
26	0.13	19.01	0	12892	SLV 11	14919	12949	76908	15103	15103	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
26	0.13	19.01	0	-2700	SLV 5	-4727	-12949	-76908	-15103	-15103	1	Si
30	0.13	19.01	0	12864	SLV 11	14891	12949	76908	15103	15103	1	Si
30	0.13	19.01	0	-2728	SLV 5	-4755	-12949	-76908	-15103	-15103	1	Si
39	0.13	19.01	0	12808	SLV 11	14835	12949	76908	15103	15103	1	Si
39	0.13	19.01	0	-2784	SLV 5	-4811	-12949	-76908	-15103	-15103	1	Si
48	0.13	19.01	0	12752	SLV 11	14779	12949	76908	15103	15103	1	Si
48	0.13	19.01	0	-2840	SLV 5	-4867	-12949	-76908	-15103	-15103	1	Si
56	0.13	19.01	0	12696	SLV 11	14723	12949	76908	15103	15103	1	Si
56	0.13	19.01	0	-2896	SLV 5	-4923	-12949	-76908	-15103	-15103	1	Si
65	0.13	19.01	0	12639	SLV 11	14666	12949	76908	15103	15103	1	Si
65	0.13	19.01	0	-2953	SLV 5	-4979	-12949	-76908	-15103	-15103	1	Si
74	0.13	19.01	0	12583	SLV 11	14610	12949	76908	15103	15103	1	Si
74	0.13	19.01	0	-3009	SLV 5	-5036	-12949	-76908	-15103	-15103	1	Si
82	0.13	19.01	0	12527	SLV 11	14554	12949	76908	15103	15103	1	Si
82	0.13	19.01	0	-3065	SLV 5	-5092	-12949	-76908	-15103	-15103	1	Si
91	0.13	19.01	0	12471	SLV 11	14498	12949	76908	15103	15103	1	Si
91	0.13	19.01	0	-3121	SLV 5	-5148	-12949	-76908	-15103	-15103	1	Si
100	0.13	19.01	0	12415	SLV 11	14442	12949	76908	15103	15103	1	Si
100	0.13	19.01	0	-3177	SLV 5	-5204	-12949	-76908	-15103	-15103	1	Si
104	0.13	19.01	0	12386	SLV 11	14413	12949	76908	15103	15103	1	Si
104	0.13	19.01	0	-3205	SLV 5	-5232	-12949	-76908	-15103	-15103	1	Si
108	0.13	19.01	0	12364	SLV 11	14391	12949	76908	15103	15103	1	Si
108	0.13	19.01	0	-3228	SLV 5	-5255	-12949	-76908	-15103	-15103	1	Si
113	0	19.01	0	12330	SLV 11	14357	12949	76908	0	12949	1	Si
113	0	19.01	0	-3262	SLV 5	-5289	-12949	-76908	0	-12949	1	Si
121	0	19.01	0	12274	SLV 11	14301	12949	76908	0	12949	1	Si
121	0	19.01	0	-3318	SLV 5	-5345	-12949	-76908	0	-12949	1	Si
130	0	19.01	0	12218	SLV 11	14245	12949	76908	0	12949	1	Si
130	0	19.01	0	-3374	SLV 5	-5401	-12949	-76908	0	-12949	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	8715	SLD 11	8715	12949	76908	0	12949	1	Si
9	0	19.01	0	8659	SLD 11	8659	12949	76908	0	12949	1	Si
17	0	19.01	0	8602	SLD 11	8602	12949	76908	0	12949	1	Si
23	0.13	19.01	0	8569	SLD 11	8569	12949	76908	15103	15103	1	Si
26	0.13	19.01	0	8546	SLD 11	8546	12949	76908	15103	15103	1	Si
30	0.13	19.01	0	8518	SLD 11	8518	12949	76908	15103	15103	1	Si
39	0.13	19.01	0	8462	SLD 11	8462	12949	76908	15103	15103	1	Si
48	0.13	19.01	0	8406	SLD 11	8406	12949	76908	15103	15103	1	Si
56	0.13	19.01	0	8349	SLD 11	8349	12949	76908	15103	15103	1	Si
65	0.13	19.01	0	8293	SLD 11	8293	12949	76908	15103	15103	1	Si
74	0.13	19.01	0	8237	SLD 11	8237	12949	76908	15103	15103	1	Si
82	0.13	19.01	0	8181	SLD 11	8181	12949	76908	15103	15103	1	Si
91	0.13	19.01	0	8125	SLD 11	8125	12949	76908	15103	15103	1	Si
100	0.13	19.01	0	8068	SLD 11	8068	12949	76908	15103	15103	1	Si
104	0.13	19.01	0	8040	SLD 11	8040	12949	76908	15103	15103	1	Si
108	0.13	19.01	0	8018	SLD 11	8018	12949	76908	15103	15103	1	Si
113	0	19.01	0	7984	SLD 11	7984	12949	76908	0	12949	1	Si
121	0	19.01	0	7928	SLD 11	7928	12949	76908	0	12949	1	Si
130	0	19.01	0	7872	SLD 11	7872	12949	76908	0	12949	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	84851	8	84851	2.2	124.5	76.4	1837	84043	1	84043	2.2	93.4	0	+∞	Si
9	118089	8	118089	3.1	124.5	106.4	1837	117084	1	117084	3.1	93.4	0	+∞	Si
17	150930	8	149384	3.9	124.5	134.6	1837	149729	1	148192	3.9	93.4	0	+∞	Si
23	170310	8	286401	7.5	124.5	258	1837	168992	1	281487	7.4	93.4	0	+∞	Si
26	183373	8	301571	7.9	124.5	271.7	1837	181976	1	295551	7.8	93.4	0	+∞	Si
30	199446	8	320269	8.4	124.5	288.5	1837	197950	1	312879	8.2	93.4	0	+∞	Si
39	232261	9	357365	9.4	124.5	321.9	1837	230431	2	347238	9.1	93.4	0	+∞	Si
48	269407	3	394064	10.4	124.5	355	1837	265726	2	381199	10	93.4	0	+∞	Si
56	307044	3	430364	11.3	124.5	387.7	1837	300624	2	414761	10.9	93.4	0	+∞	Si
65	344282	3	466265	12.3	124.5	420	1837	335124	2	447926	11.8	93.4	0	+∞	Si
74	381121	3	501768	13.2	124.5	452	1837	369226	2	480693	12.7	93.4	0	+∞	Si
82	417562	3	521116	13.7	124.5	469.4	1837	402929	2	498537	13.1	93.4	0	+∞	Si
91	453605	3	521116	13.7	124.5	469.4	1837	436235	2	498537	13.1	93.4	0	+∞	Si
100	489249	3	521116	13.7	124.5	469.4	1837	469143	2	498537	13.1	93.4	0	+∞	Si
104	506922	3	521116	13.7	124.5	469.4	1837	485447	2	498537	13.1	93.4	0	+∞	Si
108	521116	3	521116	13.7	124.5	469.4	1837	498537	2	498537	13.1	93.4	0	+∞	Si
113	541968	3	541968	14.3	124.5	488.2	1837	517758	2	517758	13.6	93.4	0	+∞	Si
121	576616	3	568580	15	124.5	512.2	1837	549670	2	542300	14.3	93.4	0	+∞	Si
130	610865	3	576850	15.2	124.5	519.6	1837	581185	2	549925	14.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
9	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
17	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.006	2	0.006	2	9999	Si
23	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
26	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.009	2	0.009	2	9999	Si
30	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
39	0.007	0.006	0.006	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.014	2	0.013	2	9999	Si
48	0.009	0.008	0.008	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.017	2	0.015	2	9999	Si
56	0.01	0.009	0.009	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.02	2	0.018	2	9999	Si
65	0.012	0.01	0.01	0.009	0.011	0.01	0.01	0.009	0.011	0.01	0.022	2	0.02	2	9999	Si
74	0.013	0.011	0.011	0.01	0.013	0.011	0.011	0.01	0.012	0.011	0.025	2	0.023	2	9999	Si
82	0.015	0.013	0.012	0.011	0.014	0.013	0.012	0.011	0.014	0.013	0.027	2	0.025	2	9999	Si
91	0.016	0.014	0.013	0.012	0.015	0.014	0.013	0.012	0.015	0.014	0.029	2	0.027	2	9999	Si
100	0.017	0.015	0.014	0.012	0.016	0.015	0.014	0.012	0.016	0.015	0.031	2	0.029	2	9999	Si
104	0.018	0.015	0.015	0.013	0.017	0.015	0.014	0.013	0.017	0.015	0.032	2	0.03	2	9999	Si
108	0.018	0.016	0.015	0.013	0.017	0.016	0.015	0.013	0.017	0.016	0.033	2	0.03	2	9999	Si
113	0.019	0.016	0.016	0.013	0.018	0.016	0.015	0.013	0.018	0.016	0.034	2	0.031	2	9999	Si
121	0.02	0.017	0.016	0.014	0.019	0.017	0.016	0.014	0.019	0.017	0.036	2	0.033	2	9999	Si
130	0.021	0.018	0.017	0.015	0.02	0.018	0.016	0.015	0.02	0.018	0.037	2	0.034	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5119	9823	15103	SLV 11	0.37	740	1.016	162124	1904558	2322809	SLV 5	0.41	968	1.134	Si
26	5096	9823	15103	SLV 11	0.37	744	1.018	162124	1904558	2322809	SLV 5	0.41	968	1.134	Si
30	5068	9823	15103	SLV 11	0.37	749	1.021	162124	1904558	2322809	SLV 5	0.41	968	1.134	Si
39	5012	9823	15103	SLV 11	0.37	760	1.027	162124	1904558	2322809	SLV 5	0.41	968	1.134	Si
48	4956	9823	15103	SLV 11	0.38	770	1.033	162124	1904558	2322809	SLV 5	0.41	968	1.134	Si
56	4900	9823	15103	SLV 11	0.38	781	1.039	181989	1874253	2322809	SLV 5	0.41	985	1.142	Si
65	4843	9823	15103	SLV 11	0.38	791	1.044	217823	1819124	2322809	SLV 5	0.42	1019	1.158	Si
74	4787	9823	15103	SLV 11	0.38	802	1.05	253260	1764003	2322809	SLV 5	0.42	1057	1.176	Si
82	4731	9823	15103	SLV 11	0.38	812	1.055	288298	1708892	2322809	SLV 5	0.43	1099	1.195	Si
91	4675	9823	15103	SLV 11	0.39	823	1.061	322939	1653791	2322809	SLV 5	0.44	1145	1.215	Si
100	4619	9823	15103	SLV 11	0.39	834	1.067	357182	1598702	2322809	SLV 5	0.44	1197	1.237	Si
104	4591	9823	15103	SLV 11	0.39	840	1.07	374154	1571164	2322809	SLV 5	0.45	1225	1.249	Si
108	4568	9823	15103	SLV 11	0.39	844	1.072	498537	1364349	2322809	SLV 5	0.48	1495	1.355	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5119	3450	15103	SLD 11	0.39	842	2.695	162124	842804	2322809	SLD 5	0.35	627	2.388	Si
26	5096	3450	15103	SLD 11	0.39	847	2.702	162124	842804	2322809	SLD 5	0.35	627	2.388	Si
30	5068	3450	15103	SLD 11	0.39	853	2.71	162124	842804	2322809	SLD 5	0.35	627	2.388	Si
39	5012	3450	15103	SLD 11	0.39	865	2.725	162124	842804	2322809	SLD 5	0.35	627	2.388	Si
48	4956	3450	15103	SLD 11	0.4	876	2.739	162124	842804	2322809	SLD 5	0.35	627	2.388	Si
56	4900	3450	15103	SLD 11	0.4	889	2.756	181989	829393	2322809	SLD 5	0.35	638	2.405	Si
65	4843	3450	15103	SLD 11	0.4	900	2.77	217823	804997	2322809	SLD 5	0.35	658	2.436	Si
74	4787	3450	15103	SLD 11	0.4	913	2.786	253260	780605	2322809	SLD 5	0.36	681	2.471	Si
82	4731	3450	15103	SLD 11	0.4	925	2.801	288298	756217	2322809	SLD 5	0.36	705	2.506	Si
91	4675	3450	15103	SLD 11	0.41	937	2.816	322939	731833	2322809	SLD 5	0.37	732	2.545	Si
100	4619	3450	15103	SLD 11	0.41	949	2.831	357182	707455	2322809	SLD 5	0.37	763	2.589	Si
104	4591	3450	15103	SLD 11	0.41	956	2.839	374154	695269	2322809	SLD 5	0.38	779	2.611	Si
108	4568	3450	15103	SLD 11	0.41	960	2.844	498537	603747	2322809	SLD 5	0.41	935	2.814	Si

Campata 2 tra i fili 36B - 49C, sezione R 45x70, asta 695

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	1089821	SLU 30	1029372	2322809	0.092						Si
23	19.01	5.4	19.01	5.4	973720	SLU 30	973720	2322809	0.092						Si
45	18.93	5.4	18.25	5.4	849784	SLU 30	973720	2233535	0.091						Si
68	15.72	5.4	16.73	5.4	720641	SLU 30	884972	2053016	0.091						Si
79	14.12	5.4	15.21	5.4	653788	SLU 30	822020	1872830	0.089						Si
102	7.6	5.4	15.21	5.4	515519	SLU 30	691553	1873491	0.092						Si
125	7.6	5.4	15.21	5.4	371164	SLU 30	555002	1873491	0.092						Si
147	7.6	5.4	15.21	5.4	220723	SLU 30	412366	1873491	0.092	122058	SLU 1	-19650	-971252	0.079	Si
170	7.6	5.4	15.21	5.4	64211	SLU 29	263645	1873491	0.092	18085	SLU 4	-161275	-971252	0.079	Si
193	7.6	5.4	15.21	5.4	-69116	SLU 11	108837	1873491	0.092	-120474	SLU 26	-316062	-971252	0.079	Si
215	7.6	5.4	15.21	5.4						-268263	SLU 36	-492574	-971252	0.079	Si
238	7.6	5.4	15.21	5.4						-441914	SLU 30	-675175	-971252	0.079	Si
261	11.95	5.4	15.21	5.4						-622796	SLU 30	-863868	-1486653	0.084	Si
272	16.33	5.4	15.21	5.4						-715520	SLU 30	-960498	-2006067	0.09	Si
295	20.6	5.4	15.21	5.4						-905538	SLU 30	-1103131	-2512229	0.097	Si
318	22.81	5.4	15.21	5.4						-1103131	SLU 30	-1103131	-2773116	0.1	Si
340	22.81	5.4	15.21	5.4						-1303849	SLU 30	-1195534	-2773116	0.1	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	1980125	SLV 5	1844759	2322809	0.092	-450086	SLV 11	-399497	-2322809	0.092	Si
23	19.01	5.4	19.01	5.4	1723425	SLV 5	1723425	2322809	0.092	-356562	SLV 11	-356562	-2322809	0.092	Si
45	18.93	5.4	18.25	5.4	1458915	SLV 5	1723425	2233535	0.091	-267032	SLV 11	-356562	-2313720	0.092	Si
68	15.72	5.4	16.73	5.4	1194382	SLV 9	1533333	2053016	0.091	-185585	SLV 7	-291716	-1934114	0.089	Si
79	14.12	5.4	15.21	5.4	1064203	SLV 9	1401335	1872830	0.089	-150452	SLV 7	-248775	-1744258	0.087	Si
102	7.6	5.4	15.21	5.4	815823	SLV 9	1137741	1873491	0.092	-99167	SLV 7	-170298	-971252	0.079	Si
125	7.6	5.4	15.21	5.4	572093	SLV 9	885052	1873491	0.092	-61874	SLV 7	-120641	-971252	0.079	Si
147	7.6	5.4	15.21	5.4	378684	SLV 13	641020	1873491	0.092	-84245	SLV 3	-300820	-971252	0.079	Si
170	7.6	5.4	15.21	5.4	306328	SLV 15	405096	1873491	0.092	-237011	SLV 1	-530442	-971252	0.079	Si
193	7.6	5.4	15.21	5.4	299660	SLV 15	309597	1873491	0.092	-464809	SLV 1	-765484	-971252	0.079	Si
215	7.6	5.4	15.21	5.4	289482	SLV 15	329247	1873491	0.092	-698442	SLV 1	-1064847	-971252	0.079	No
238	7.6	5.4	15.21	5.4	316035	SLV 11	373569	1873491	0.092	-978152	SLV 5	-1374314	-971252	0.079	No
261	11.95	5.4	15.21	5.4	361660	SLV 11	413264	1873014	0.09	-1286281	SLV 5	-1688500	-1486653	0.084	No
272	16.33	5.4	15.21	5.4	382742	SLV 11	431370	1872683	0.088	-1442120	SLV 5	-1847357	-2006067	0.09	Si
295	20.6	5.4	15.21	5.4	421427	SLV 11	455690	1872485	0.087	-1757330	SLV 5	-2079632	-2512229	0.097	Si
318	22.81	5.4	15.21	5.4	455690	SLV 11	455690	1872416	0.087	-2079632	SLV 5	-2079632	-2773116	0.1	Si
340	22.81	5.4	15.21	5.4	484843	SLV 11	470419	1872416	0.087	-2401844	SLV 5	-2229171	-2773116	0.1	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	1302715	SLD 5	1219181	2322809	0.092						Si
23	19.01	5.4	19.01	5.4	1143636	SLD 5	1143636	2322809	0.092						Si
45	18.93	5.4	18.25	5.4	977810	SLD 5	1143636	2233535	0.091						Si
68	15.72	5.4	16.73	5.4	809712	SLD 9	1024605	2053016	0.091						Si
79	14.12	5.4	15.21	5.4	725612	SLD 9	941368	1872830	0.089						Si
102	7.6	5.4	15.21	5.4	560770	SLD 9	773120	1873491	0.092						Si
125	7.6	5.4	15.21	5.4	395379	SLD 9	607103	1873491	0.092						Si
147	7.6	5.4	15.21	5.4	249648	SLD 13	442316	1873491	0.092	44792	SLD 3	-132077	-971252	0.079	Si
170	7.6	5.4	15.21	5.4	154880	SLD 15	278506	1873491	0.092	-85563	SLD 1	-299781	-971252	0.079	Si
193	7.6	5.4	15.21	5.4	86577	SLD 15	174235	1873491	0.092	-251726	SLD 1	-472489	-971252	0.079	Si
215	7.6	5.4	15.21	5.4	14114	SLD 15	106110	1873491	0.092	-423074	SLD 1	-676254	-971252	0.079	Si
238	7.6	5.4	15.21	5.4	-44710	SLD 11	34899	1873491	0.092	-617407	SLD 5	-887104	-971252	0.079	Si
261	11.95	5.4	15.21	5.4						-826930	SLD 5	-1102649	-1486653	0.084	Si
272	16.33	5.4	15.21	5.4						-933453	SLD 5	-1212179	-2006067	0.09	Si
295	20.6	5.4	15.21	5.4						-1150018	SLD 5	-1372930	-2512229	0.097	Si
318	22.81	5.4	15.21	5.4						-1372930	SLD 5	-1372930	-2773116	0.1	Si
340	22.81	5.4	15.21	5.4						-1597202	SLD 5	-1476680	-2773116	0.1	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.73	0	-4698	SLU 30	-4698	-12409	-76908	0	-12409	1	Si
23	0.115	15.21	0	-4947	SLU 30	-4947	-12021	-76908	-13338	-13338	1	Si
45	0.115	15.21	0	-5200	SLU 30	-5200	-12021	-76908	-13338	-13338	1	Si
68	0.115	15.21	0	-5450	SLU 30	-5450	-12021	-76908	-13338	-13338	1	Si
79	0.115	15.21	0	-5576	SLU 30	-5576	-12021	-76908	-13338	-13338	1	Si
102	0.13	15.21	0	-5827	SLU 30	-5827	-12021	-76908	-15058	-15058	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
125	0.13	15.21	0	-6078	SLU 30	-6078	-12021	-76908	-15058	-15058	1	Si
147	0.13	15.21	0	-6329	SLU 30	-6329	-12021	-76908	-15058	-15058	1	Si
170	0.13	15.21	0	-6580	SLU 30	-6580	-12021	-76908	-15058	-15058	1	Si
193	0.13	7.6	0	-6831	SLU 30	-6831	-9541	-76908	-15058	-15058	1	Si
215	0.13	7.6	0	-7082	SLU 30	-7082	-9541	-76908	-15058	-15058	1	Si
238	0.13	7.6	0	-7333	SLU 30	-7333	-9541	-76908	-15058	-15058	1	Si
261	0.144	7.6	0	-7584	SLU 30	-7584	-9541	-76908	-16673	-16673	1	Si
272	0.144	7.6	0	-7709	SLU 30	-7709	-9541	-76908	-16673	-16673	1	Si
295	0.144	7.6	0	-7961	SLU 30	-7961	-9541	-76908	-16673	-16673	1	Si
318	0.144	10.88	0	-8214	SLU 30	-8214	-10752	-76908	-16673	-16673	1	Si
329	0	11.95	0	-8337	SLU 30	-8337	-11093	-76908	0	-11093	1	Si
340	0	16.33	0	-8463	SLU 30	-8463	-12310	-76908	0	-12310	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.72	0	4008	SLV 11	5906	12156	76908	0	12156	1	Si
0	0	16.73	0	-10594	SLV 5	-12492	-12409	-76908	0	-12409	1	Si
23	0.115	12.52	0	3816	SLV 11	5715	11267	76908	13338	13338	1	Si
23	0.115	15.21	0	-10785	SLV 5	-12683	-12021	-76908	-13338	-13338	1	Si
45	0.115	7.6	0	3622	SLV 11	5521	9541	76908	13338	13338	1	Si
45	0.115	15.21	0	-10979	SLV 5	-12877	-12021	-76908	-13338	-13338	1	Si
68	0.115	7.6	0	3430	SLV 11	5328	9541	76908	13338	13338	1	Si
68	0.115	15.21	0	-11172	SLV 5	-13070	-12021	-76908	-13338	-13338	1	Si
79	0.115	7.6	0	3334	SLV 11	5232	9541	76908	13338	13338	1	Si
79	0.115	15.21	0	-11268	SLV 5	-13166	-12021	-76908	-13338	-13338	1	Si
102	0.13	7.6	0	3141	SLV 11	5039	9541	76908	15058	15058	1	Si
102	0.13	15.21	0	-11461	SLV 5	-13359	-12021	-76908	-15058	-15058	1	Si
125	0.13	15.21	0	2949	SLV 11	4847	12021	76908	15058	15058	1	Si
125	0.13	15.21	0	-11653	SLV 5	-13551	-12021	-76908	-15058	-15058	1	Si
147	0.13	15.21	0	2756	SLV 11	4654	12021	76908	15058	15058	1	Si
147	0.13	15.21	0	-11846	SLV 5	-13744	-12021	-76908	-15058	-15058	1	Si
170	0.13	15.21	0	2563	SLV 11	4461	12021	76908	15058	15058	1	Si
170	0.13	7.6	0	-12038	SLV 5	-13937	-9541	-76908	-15058	-15058	1	Si
193	0.13	15.21	0	2371	SLV 11	4269	12021	76908	15058	15058	1	Si
193	0.13	7.6	0	-12231	SLV 5	-14129	-9541	-76908	-15058	-15058	1	Si
215	0.13	15.21	0	2178	SLV 11	4076	12021	76908	15058	15058	1	Si
215	0.13	7.6	0	-12424	SLV 5	-14322	-9541	-76908	-15058	-15058	1	Si
238	0.13	15.21	0	1985	SLV 11	3883	12021	76908	15058	15058	1	Si
238	0.13	7.6	0	-12616	SLV 5	-14515	-9541	-76908	-15058	-15058	1	Si
261	0.144	15.21	0	1793	SLV 11	3691	12021	76908	16673	16673	1	Si
261	0.144	7.6	0	-12809	SLV 5	-14707	-9541	-76908	-16673	-16673	1	Si
272	0.144	15.21	0	1696	SLV 11	3594	12021	76908	16673	16673	1	Si
272	0.144	7.6	0	-12905	SLV 5	-14804	-9541	-76908	-16673	-16673	1	Si
295	0.144	15.21	0	1503	SLV 11	3402	12021	76908	16673	16673	1	Si
295	0.144	7.6	0	-13098	SLV 5	-14996	-9541	-76908	-16673	-16673	1	Si
318	0.144	15.21	0	1309	SLV 11	3208	12021	76908	16673	16673	1	Si
318	0.144	10.88	0	-13292	SLV 5	-15191	-10752	-76908	-16673	-16673	1	Si
329	0	15.21	0	1214	SLV 11	3113	12021	76908	0	12021	1	Si
329	0	11.95	0	-13387	SLV 5	-15286	-11093	-76908	0	-11093	1	Si
340	0	15.21	0	1118	SLV 11	3016	12021	76908	0	12021	1	Si
340	0	16.33	0	-13484	SLV 5	-15382	-12310	-76908	0	-12310	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.73	0	-6524	SLD 5	-6524	-12409	-76908	0	-12409	1	Si
23	0.115	15.21	0	-6715	SLD 5	-6715	-12021	-76908	-13338	-13338	1	Si
45	0.115	15.21	0	-6909	SLD 5	-6909	-12021	-76908	-13338	-13338	1	Si
68	0.115	15.21	0	-7102	SLD 5	-7102	-12021	-76908	-13338	-13338	1	Si
79	0.115	15.21	0	-7198	SLD 5	-7198	-12021	-76908	-13338	-13338	1	Si
102	0.13	15.21	0	-7390	SLD 5	-7390	-12021	-76908	-15058	-15058	1	Si
125	0.13	15.21	0	-7583	SLD 5	-7583	-12021	-76908	-15058	-15058	1	Si
147	0.13	15.21	0	-7776	SLD 5	-7776	-12021	-76908	-15058	-15058	1	Si
170	0.13	7.6	0	-7968	SLD 5	-7968	-9541	-76908	-15058	-15058	1	Si
193	0.13	7.6	0	-8161	SLD 5	-8161	-9541	-76908	-15058	-15058	1	Si
215	0.13	7.6	0	-8354	SLD 5	-8354	-9541	-76908	-15058	-15058	1	Si
238	0.13	7.6	0	-8546	SLD 5	-8546	-9541	-76908	-15058	-15058	1	Si
261	0.144	7.6	0	-8739	SLD 5	-8739	-9541	-76908	-16673	-16673	1	Si
272	0.144	7.6	0	-8835	SLD 5	-8835	-9541	-76908	-16673	-16673	1	Si
295	0.144	7.6	0	-9028	SLD 5	-9028	-9541	-76908	-16673	-16673	1	Si
318	0.144	10.88	0	-9222	SLD 5	-9222	-10752	-76908	-16673	-16673	1	Si
329	0	11.95	0	-9317	SLD 5	-9317	-11093	-76908	0	-11093	1	Si
340	0	16.33	0	-9414	SLD 5	-9414	-12310	-76908	0	-12310	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	808360	3	763540	20.1	124.5	687.8	1837	765020	2	722631	19	93.4	0	+∞	Si
23	722206	3	722206	19	124.5	650.6	1837	683432	2	683432	18	93.4	0	+∞	Si
45	630076	3	722206	19.3	124.5	676.5	1837	595942	2	683432	18.3	93.4	0	+∞	Si
68	533922	3	656245	18.7	124.5	670.5	1837	504399	2	620809	17.7	93.4	0	+∞	Si
79	484091	3	609412	18.3	124.5	683.6	1837	456876	2	576280	17.3	93.4	0	+∞	Si
102	380922	3	512240	16.8	124.5	578.4	1837	358328	2	483721	15.9	93.4	0	+∞	Si
125	273077	3	410392	13.5	124.5	463.4	1837	255109	2	386492	12.7	93.4	0	+∞	Si
147	160554	3	303868	10	124.5	343.1	1837	147220	2	284593	9.3	93.4	0	+∞	Si
170	43364	2	192666	6.3	124.5	217.5	1837	34658	2	178023	5.8	93.4	0	+∞	Si
193	-89521	8	-241820	5.2	124.5	82.4	1837	-88899	1	-239902	9.2	93.4	0	+∞	Si
215	-205843	9	-374378	8.1	124.5	127.6	1837	-204480	2	-367800	14.1	93.4	0	+∞	Si
238	-336319	3	-511617	11	124.5	174.4	1837	-331059	2	-500372	19.1	93.4	0	+∞	Si
261	-472236	3	-653536	21.1	124.5	924.9	1837	-462310	2	-637618	20.6	93.4	0	+∞	Si
272	-541950	3	-726251	21	124.5	759.8	1837	-529689	2	-707994	20.5	93.4	0	+∞	Si
295	-684887	3	-833623	22.4	124.5	697.3	1837	-667951	2	-811971	21.8	93.4	0	+∞	Si
318	-833623	3	-833623	21.7	124.5	632.5	1837	-811971	2	-811971	21.1	93.4	0	+∞	Si
340	-984806	3	-903201	23.5	124.5	685.3	1837	-958501	2	-879376	22.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara	Frequente	Quasi permanente	Verifica

	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
0	0.021	0.018	0.017	0.015	0.02	0.018	0.016	0.015	0.02	0.018	0.037	2	0.034	2	9999	Si
23	0.023	0.019	0.018	0.015	0.022	0.019	0.017	0.015	0.021	0.019	0.039	2	0.036	2	9999	Si
45	0.023	0.02	0.018	0.016	0.022	0.02	0.017	0.016	0.022	0.02	0.04	2	0.036	2	9999	Si
68	0.023	0.019	0.018	0.015	0.022	0.019	0.017	0.015	0.021	0.019	0.039	2	0.035	2	9999	Si
79	0.022	0.019	0.017	0.015	0.021	0.019	0.016	0.015	0.021	0.019	0.038	2	0.034	2	9999	Si
102	0.02	0.017	0.016	0.013	0.019	0.017	0.015	0.013	0.019	0.017	0.035	2	0.031	2	9999	Si
125	0.018	0.015	0.014	0.011	0.017	0.015	0.013	0.011	0.017	0.015	0.03	2	0.027	2	9999	Si
147	0.015	0.012	0.012	0.009	0.014	0.012	0.011	0.009	0.014	0.012	0.025	2	0.022	2	9999	Si
170	0.012	0.009	0.009	0.007	0.011	0.009	0.009	0.007	0.011	0.009	0.02	2	0.017	2	9999	Si
193	0.009	0.007	0.007	0.005	0.008	0.007	0.006	0.005	0.008	0.007	0.014	2	0.012	2	9999	Si
215	0.006	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.009	2	0.007	2	9999	Si
238	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.002	2	9999	Si
261	0.001	0	0	0	0	0	0	0	0	0	0	2	-0.001	2	9999	Si
272	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	-0.001	2	-0.002	2	9999	Si
295	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	2	-0.003	2	9999	Si
318	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.003	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-3484	-9199	-13338	SLV 5	0.39	841	1.071	683432	1039994	2322809	SLV 5	0.56	2322	1.624	Si
45	-3678	-9199	-13338	SLV 5	0.38	802	1.05	683432	1039994	2233535	SLV 5	0.53	1999	1.527	Si
68	-3871	-9199	-13338	SLV 5	0.37	763	1.029	620809	912524	2053016	SLV 5	0.56	2295	1.616	Si
79	-3967	-9199	-13338	SLV 5	0.37	744	1.018	576280	825055	1872830	SLV 5	0.56	2303	1.618	Si
102	-4160	-9199	-15058	SLV 5	0.43	1085	1.189	483721	654020	1873491	SLV 9	0.57	2474	1.666	Si
125	-4352	-9199	-15058	SLV 5	0.42	1035	1.166	386492	-498560	-971252	SLV 7	0.57	2474	1.666	Si
147	-4545	-9199	-15058	SLV 5	0.41	986	1.143	1876	-302696	-971252	SLV 1	0.57	2474	1.666	Si
170	-4738	-9199	-15058	SLV 5	0.41	942	1.122	-116677	-413765	-971252	SLV 1	0.57	2474	1.666	Si
193	-4930	-9199	-15058	SLV 5	0.4	900	1.101	-239902	-525582	-971252	SLV 1	0.5	1663	1.416	Si
215	-5123	-9199	-15058	SLV 5	0.39	858	1.079	-367800	-697047	-971252	SLV 5	0.32	502	0.867	No
238	-5316	-9199	-15058	SLV 5	0.38	818	1.059	-500372	-873942	-971252	SLV 5	0.2	178	0.566	No
261	-5508	-9199	-16673	SLV 5	0.44	1156	1.22	-637618	-1050882	-1486653	SLV 5	0.3	430	0.813	No
272	-5605	-9199	-16673	SLV 5	0.43	1130	1.208	-707994	-1139363	-2006067	SLV 5	0.41	978	1.139	Si
295	-5797	-9199	-16673	SLV 5	0.43	1079	1.186	-811971	-1267661	-2512229	SLV 5	0.48	1507	1.36	Si
318	-5992	-9199	-16673	SLV 5	0.42	1029	1.163	-811971	-1267661	-2773116	SLV 5	0.55	2208	1.59	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-3484	-3231	-13338	SLD 5	0.41	957	2.841	683432	460205	2322809	SLD 5	0.47	1447	3.365	Si
45	-3678	-3231	-13338	SLD 5	0.4	913	2.786	683432	460205	2233535	SLD 5	0.45	1248	3.167	Si
68	-3871	-3231	-13338	SLD 5	0.39	868	2.729	620809	403796	2053016	SLD 5	0.47	1430	3.349	Si
79	-3967	-3231	-13338	SLD 5	0.39	847	2.702	576280	365088	1872830	SLD 5	0.47	1435	3.354	Si
102	-4160	-3231	-15058	SLD 5	0.45	1252	3.171	483721	289398	1873491	SLD 9	0.6	2474	4.193	Si
125	-4352	-3231	-15058	SLD 5	0.44	1195	3.111	386492	-220611	-971252	SLD 7	0.6	2474	4.193	Si
147	-4545	-3231	-15058	SLD 5	0.44	1138	3.05	1876	-133953	-971252	SLD 1	0.6	2474	4.193	Si
170	-4738	-3231	-15058	SLD 5	0.43	1083	2.988	-116677	-183105	-971252	SLD 1	0.6	2474	4.193	Si
193	-4930	-3231	-15058	SLD 5	0.42	1030	2.927	-239902	-232587	-971252	SLD 1	0.42	1037	2.936	Si
215	-5123	-3231	-15058	SLD 5	0.41	978	2.866	-367800	-308454	-971252	SLD 5	0.27	340	1.858	Si
238	-5316	-3231	-15058	SLD 5	0.4	931	2.809	-500372	-386732	-971252	SLD 5	0.17	123	1.225	Si
261	-5508	-3231	-16673	SLD 5	0.46	1336	3.257	-637618	-465031	-1486653	SLD 5	0.25	292	1.746	Si
272	-5605	-3231	-16673	SLD 5	0.46	1304	3.225	-707994	-504185	-2006067	SLD 5	0.35	634	2.399	Si
295	-5797	-3231	-16673	SLD 5	0.45	1246	3.165	-811971	-560959	-2512229	SLD 5	0.41	943	2.823	Si
318	-5992	-3231	-16673	SLD 5	0.44	1188	3.104	-811971	-560959	-2773116	SLD 5	0.47	1377	3.298	Si

Campata 3 tra i fili 49C - 60C, sezione R 45x70, asta 694

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4						-880625	SLU 30	-822975	-2773116	0.1	Si
23	22.81	5.4	15.21	5.4						-767170	SLU 30	-767170	-2773116	0.1	Si
58	19.43	5.4	15.21	5.4						-595295	SLU 30	-733097	-2373319	0.095	Si
87	15.21	5.4	15.21	5.4						-465839	SLU 30	-594866	-1872764	0.089	Si
117	15.21	5.4	15.21	5.4						-345184	SLU 30	-465440	-1872760	0.089	Si
175	7.6	5.4	15.21	5.4						-130252	SLU 30	-232982	-971252	0.079	Si
233	7.6	5.4	15.21	5.4	64130	SLU 19	138245	1873491	0.092	33479	SLU 12	-35682	-971252	0.079	Si
262	7.6	5.4	15.21	5.4	138491	SLU 19	203896	1873491	0.092						Si
321	7.6	5.4	15.21	5.4	260998	SLU 19	308990	1873491	0.092						Si
379	7.6	5.4	15.21	5.4	348568	SLU 19	379156	1873491	0.092						Si
437	7.6	5.4	18.49	5.4	402695	SLU 29	418095	2262661	0.101						Si
496	7.6	5.4	11.4	5.4	424866	SLU 30	424866	1422093	0.084						Si
554	7.6	5.4	11.4	5.4	412124	SLU 30	422822	1422093	0.084						Si
612	7.6	5.4	11.4	5.4	364444	SLU 30	392571	1422093	0.084						Si
671	7.6	5.4	11.4	5.4	281718	SLU 30	327310	1422093	0.084						Si
700	7.6	5.4	11.4	5.4	227214	SLU 30	281537	1422093	0.084						Si
758	12.43	5.4	11.4	5.4	91926	SLU 30	163711	1422094	0.084	53751	SLU 1	-15542	-1543374	0.085	Si
817	15.21	5.4	11.4	5.4	-51027	SLU 12	16989	1422107	0.084	-107330	SLU 19	-207245	-1873055	0.09	Si
852	15.21	5.4	11.4	5.4						-232486	SLU 19	-232486	-1873055	0.09	Si
875	15.21	5.4	11.4	5.4						-316557	SLU 19	-273607	-1873055	0.09	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4	1358346	SLV 9	1346841	1872416	0.087	-2690125	SLV 7	-2590616	-2773116	0.1	Si
23	22.81	5.4	15.21	5.4	1333846	SLV 9	1333846	1872416	0.087	-2492449	SLV 7	-2492449	-2773116	0.1	Si
58	19.43	5.4	15.21	5.4	1288080	SLV 9	1326459	1872549	0.088	-2184408	SLV 7	-2433055	-2373319	0.095	No
117	15.21	5.4	15.21	5.4	1190846	SLV 9	1242659	1872764	0.089	-1705784	SLV 7	-1940929	-1872760	0.089	No
175	7.6	5.4	15.21	5.4	1066704	SLV 9	1131918	1873491	0.092	-1254260	SLV 7	-1475898	-971252	0.079	No
233	7.6	5.4	15.21	5.4	915738	SLV 9	994306	1873491	0.092	-829874	SLV 7	-1037980	-971252	0.079	No
262	7.6	5.4	15.21	5.4	830238	SLV 9	915455	1873491	0.092	-627883	SLV 7	-829205	-971252	0.079	Si
321	7.6	5.4	15.21	5.4	639356	SLV 9	737769	1873491	0.092	-244429	SLV 7	-432099	-971252	0.079	Si
379	7.6	5.4	15.21	5.4	422435	SLV 9	533720	1873491	0.092	111228	SLV 7	-62491	-971252	0.079	Si
437	7.6	5.4	18.49	5.4	473881	SLV 11	622055	2262661	0.101						Si
496	7.6	5.4	11.4	5.4	765967	SLV 11	903701	1422093	0.084	-116151	SLV 5	-258403	-970824	0.078	Si
554	7.6	5.4	11.4	5.4	1036826	SLV 7	1163169	1422093	0.084	-409492	SLV 9	-567102	-970824	0.078	Si
612	7.6	5.4	11.4	5.4	1284130	SLV 7	1397887	1422093	0.084	-732998	SLV 9	-904855	-970824	0.078	Si
671	7.6	5.4	11.4	5.4	1505878	SLV 7	1606568	1422093	0.084	-1084794	SLV 9	-1270419	-970824	0.078	No
700	7.6	5.4	11.4	5.4	1606902	SLV 7	1700983	1422093	0.084	-1271035	SLV 9	-1463466	-970824	0.078	No
729	7.6	5.4	11.4	5.4	1701295	SLV 7	1788739	1422093	0.084	-1464105	SLV 9	-1663314	-970824	0.078	No
758	12.43	5.4	11.4	5.4	1789030	SLV 7	1869820	1422094	0.084	-1663975	SLV 9	-1869944	-1543374	0.085	No
817	15.21	5.4	11.4	5.4	1944457	SLV 7	2011906	1422107	0.084	-2084049	SLV 9	-2303501	-1873055	0.09	No
852	15.21	5.4	11.4	5.4	2026065	SLV 7	2026065	1422107	0.084	-2356099	SLV 9	-2356099	-1873055	0.09	No
875	15.21	5.4	11.4	5.4	2073099	SLV 7	2050343	1422107	0.084	-2531162	SLV 9	-2442983	-1873055	0.09	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4	229879	SLD 9	229879	1872416	0.087	-1561658	SLD 7	-1493093	-2773116	0.1	Si
23	22.81	5.4	15.21	5.4	267308	SLD 9	310477	1872416	0.087	-1425911	SLD 7	-1425911	-2773116	0.1	Si
58	19.43	5.4	15.21	5.4	320161	SLD 9	355059	1872549	0.088	-1216490	SLD 7	-1385131	-2373319	0.095	Si
117	15.21	5.4	15.21	5.4	383442	SLD 9	404898	1872764	0.089	-898380	SLD 7	-1053539	-1872760	0.089	Si
175	7.6	5.4	15.21	5.4	419761	SLD 9	427797	1873491	0.092	-607317	SLD 7	-748997	-971252	0.079	Si
233	7.6	5.4	15.21	5.4	429168	SLD 9	429168	1873491	0.092	-343303	SLD 7	-471502	-971252	0.079	Si
262	7.6	5.4	15.21	5.4	423803	SLD 9	429150	1873491	0.092	-221448	SLD 7	-342900	-971252	0.079	Si
321	7.6	5.4	15.21	5.4	393011	SLD 9	411681	1873491	0.092	1917	SLD 7	-106011	-971252	0.079	Si
379	7.6	5.4	15.21	5.4	335689	SLD 9	367533	1873491	0.092						Si
437	7.6	5.4	18.49	5.4	382132	SLD 11	453903	2262661	0.101						Si
496	7.6	5.4	11.4	5.4	520086	SLD 11	579777	1422093	0.084						Si
554	7.6	5.4	11.4	5.4	633681	SLD 7	680875	1422093	0.084	-6347	SLD 9	-84808	-970824	0.078	Si
612	7.6	5.4	11.4	5.4	721878	SLD 7	756023	1422093	0.084	-170746	SLD 9	-262991	-970824	0.078	Si
671	7.6	5.4	11.4	5.4	783757	SLD 7	804640	1422093	0.084	-362673	SLD 9	-468491	-970824	0.078	Si
700	7.6	5.4	11.4	5.4	804709	SLD 7	818928	1422093	0.084	-468842	SLD 9	-581411	-970824	0.078	Si
758	12.43	5.4	11.4	5.4	826543	SLD 7	827402	1422094	0.084	-701488	SLD 9	-827526	-1543374	0.085	Si
817	15.21	5.4	11.4	5.4	821556	SLD 7	827386	1422107	0.084	-961147	SLD 9	-1100629	-1873055	0.09	Si
852	15.21	5.4	11.4	5.4	804586	SLD 7	818643	1422107	0.084	-1134619	SLD 9	-1134619	-1873055	0.09	Si
875	15.21	5.4	11.4	5.4	789712	SLD 7	789712	1422107	0.084	-1247775	SLD 9	-1190518	-1873055	0.09	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.43	0	5194	SLU 30	5194	13045	76908	0	13045	1	Si
23	0.068	15.21	0	4960	SLU 30	4960	12021	76908	7874	12021	1	Si
58	0.068	15.21	0	4589	SLU 30	4589	12021	76908	7874	12021	1	Si
117	0.068	7.6	0	3986	SLU 30	3986	9541	76908	7874	9541	1	Si
175	0.068	7.6	0	3383	SLU 30	3383	9541	76908	7874	9541	1	Si
233	0.068	15.21	0	2781	SLU 30	2781	12021	76908	7874	12021	1	Si
262	0.068	15.21	0	2480	SLU 30	2480	12021	76908	7874	12021	1	Si
321	0.068	15.21	0	1880	SLU 30	1880	12021	76908	7874	12021	1	Si
379	0.068	15.21	0	1279	SLU 30	1279	12021	76908	7874	12021	1	Si
437	0.068	11.4	0	680	SLU 30	680	10922	76908	7874	10922	1	Si
496	0.068	11.4	0	86	SLU 12	86	10922	76908	7874	10922	1	Si
554	0.068	11.4	0	-592	SLU 19	-592	-10922	-76908	-7874	-10922	1	Si
612	0.068	11.4	0	-1191	SLU 19	-1191	-10922	-76908	-7874	-10922	1	Si
671	0.068	11.4	0	-1790	SLU 19	-1790	-10922	-76908	-7874	-10922	1	Si
700	0.068	11.4	0	-2090	SLU 19	-2090	-10922	-76908	-7874	-10922	1	Si
758	0.068	11.4	0	-2688	SLU 19	-2688	-10922	-76908	-7874	-10922	1	Si
817	0.068	12.43	0	-3287	SLU 19	-3287	-11239	-76908	-7874	-11239	1	Si
852	0.068	15.18	0	-3655	SLU 19	-3655	-12013	-76908	-7874	-12013	1	Si
875	0	15.21	0	-3886	SLU 19	-3886	-12021	-76908	0	-12021	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.43	0	8905	SLV 7	10189	13045	76908	0	13045	1	Si
0	0	15.21	0	-976	SLV 9	-2261	-12021	-76908	0	-12021	1	Si
23	0.068	15.21	0	8726	SLV 7	10011	12021	76908	7874	12021	1	Si
23	0.068	15.21	0	-1155	SLV 9	-2440	-12021	-76908	-7874	-12021	1	Si
58	0.068	15.21	0	8441	SLV 7	9726	12021	76908	7874	12021	1	Si
58	0.068	15.21	0	-1440	SLV 9	-2724	-12021	-76908	-7874	-12021	1	Si
117	0.068	7.6	0	7978	SLV 7	9263	9541	76908	7874	9541	1	Si
117	0.068	15.21	0	-1903	SLV 9	-3188	-12021	-76908	-7874	-12021	1	Si
175	0.068	7.6	0	7515	SLV 7	8800	9541	76908	7874	9541	1	Si
175	0.068	15.21	0	-2366	SLV 9	-3650	-12021	-76908	-7874	-12021	1	Si
233	0.068	7.6	0	7053	SLV 7	8338	9541	76908	7874	9541	1	Si
233	0.068	15.21	0	-2828	SLV 9	-4113	-12021	-76908	-7874	-12021	1	Si
262	0.068	7.6	0	6822	SLV 7	8107	9541	76908	7874	9541	1	Si
262	0.068	15.21	0	-3059	SLV 9	-4344	-12021	-76908	-7874	-12021	1	Si
321	0.068	7.6	0	6360	SLV 7	7645	9541	76908	7874	9541	1	Si
321	0.068	15.21	0	-3521	SLV 9	-4805	-12021	-76908	-7874	-12021	1	Si
379	0.068	15.21	0	5899	SLV 7	7184	12021	76908	7874	12021	1	Si
379	0.068	15.21	0	-3982	SLV 9	-5267	-12021	-76908	-7874	-12021	1	Si
437	0.068	11.4	0	5438	SLV 7	6723	10922	76908	7874	10922	1	Si
437	0.068	11.4	0	-4443	SLV 9	-5727	-10922	-76908	-7874	-10922	1	Si
496	0.068	11.4	0	4978	SLV 7	6262	10922	76908	7874	10922	1	Si
496	0.068	7.6	0	-4903	SLV 9	-6188	-9541	-76908	-7874	-9541	1	Si
554	0.068	11.4	0	4518	SLV 7	5802	10922	76908	7874	10922	1	Si
554	0.068	7.6	0	-5363	SLV 9	-6648	-9541	-76908	-7874	-9541	1	Si
612	0.068	11.4	0	4057	SLV 7	5341	10922	76908	7874	10922	1	Si
612	0.068	7.6	0	-5824	SLV 9	-7109	-9541	-76908	-7874	-9541	1	Si
671	0.068	11.4	0	3595	SLV 7	4880	10922	76908	7874	10922	1	Si
671	0.068	7.6	0	-6286	SLV 9	-7571	-9541	-76908	-7874	-9541	1	Si
700	0.068	11.4	0	3364	SLV 7	4649	10922	76908	7874	10922	1	Si
700	0.068	7.6	0	-6517	SLV 9	-7801	-9541	-76908	-7874	-9541	1	Si
758	0.068	11.4	0	2903	SLV 7	4187	10922	76908	7874	10922	1	Si
758	0.068	7.6	0	-6978	SLV 9	-8263	-9541	-76908	-7874	-9541	1	Si
817	0.068	11.4	0	2441	SLV 7	3726	10922	76908	7874	10922	1	Si
817	0.068	12.43	0	-7440	SLV 9	-8724	-11239	-76908	-7874	-11239	1	Si
852	0.068	11.4	0	2158	SLV 7	3443	10922	76908	7874	10922	1	Si
852	0.068	15.18	0	-7723	SLV 9	-9008	-12013	-76908	-7874	-12013	1	Si
875	0	11.4	0	1980	SLV 7	3265	10922	76908	0	10922	1	Si
875	0	15.21	0	-7901	SLV 9	-9186	-12021	-76908	0	-12021	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.43	0	6151	SLD 7	6151	13045	76908	0	13045	1	Si
23	0.068	15.21	0	5972	SLD 7	5972	12021	76908	7874	12021	1	Si
58	0.068	15.21	0	5687	SLD 7	5687	12021	76908	7874	12021	1	Si
117	0.068	7.6	0	5224	SLD 7	5224	9541	76908	7874	9541	1	Si
175	0.068	7.6	0	4761	SLD 7	4761	9541	76908	7874	9541	1	Si
233	0.068	7.6	0	4299	SLD 7	4299	9541	76908	7874	9541	1	Si
233	0.068	15.21	0	-74	SLD 9	-74	-12021	-76908	-7874	-12021	1	Si
262	0.068	7.6	0	4068	SLD 7	4068	9541	76908	7874	9541	1	Si
262	0.068	15.21	0	-305	SLD 9	-305	-12021	-76908	-7874	-12021	1	Si
321	0.068	15.21	0	3606	SLD 7	3606	12021	76908	7874	12021	1	Si
321	0.068	15.21	0	-766	SLD 9	-766	-12021	-76908	-7874	-12021	1	Si
379	0.068	15.21	0	3145	SLD 7	3145	12021	76908	7874	12021	1	Si
379	0.068	15.21	0	-1228	SLD 9	-1228	-12021	-76908	-7874	-12021	1	Si
437	0.068	11.4	0	2684	SLD 7	2684	10922	76908	7874	10922	1	Si
437	0.068	11.4	0	-1689	SLD 9	-1689	-10922	-76908	-7874	-10922	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
496	0.068	11.4	0	2224	SLD 7	2224	10922	76908	7874	10922	1	Si
496	0.068	11.4	0	-2149	SLD 9	-2149	-10922	-76908	-7874	-10922	1	Si
554	0.068	11.4	0	1764	SLD 7	1764	10922	76908	7874	10922	1	Si
554	0.068	7.6	0	-2609	SLD 9	-2609	-9541	-76908	-7874	-9541	1	Si
612	0.068	11.4	0	1302	SLD 7	1302	10922	76908	7874	10922	1	Si
612	0.068	7.6	0	-3070	SLD 9	-3070	-9541	-76908	-7874	-9541	1	Si
671	0.068	11.4	0	841	SLD 7	841	10922	76908	7874	10922	1	Si
671	0.068	7.6	0	-3532	SLD 9	-3532	-9541	-76908	-7874	-9541	1	Si
700	0.068	11.4	0	610	SLD 7	610	10922	76908	7874	10922	1	Si
700	0.068	7.6	0	-3763	SLD 9	-3763	-9541	-76908	-7874	-9541	1	Si
758	0.068	11.4	0	149	SLD 7	149	10922	76908	7874	10922	1	Si
758	0.068	7.6	0	-4224	SLD 9	-4224	-9541	-76908	-7874	-9541	1	Si
817	0.068	12.43	0	-4685	SLD 9	-4685	-11239	-76908	-7874	-11239	1	Si
852	0.068	15.18	0	-4969	SLD 9	-4969	-12013	-76908	-7874	-12013	1	Si
875	0	15.21	0	-5147	SLD 9	-5147	-12021	-76908	0	-12021	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-672479	3	-628280	16.3	124.5	476.7	1837	-665889	2	-621888	16.2	93.4	0	+∞	Si
23	-585499	3	-585499	15.2	124.5	444.3	1837	-579302	2	-579302	15.1	93.4	0	+∞	Si
58	-453746	3	-559377	15.3	124.5	495	1837	-448164	2	-553298	15.1	93.4	0	+∞	Si
117	-262080	3	-354226	10.5	124.5	397	1837	-257469	2	-349135	10.4	93.4	0	+∞	Si
175	-97452	3	-176127	3.8	124.5	60	1837	-93778	2	-171990	6.6	93.4	0	+∞	Si
233	46698	1	104140	3.4	124.5	117.6	1837	46698	1	104140	3.4	93.4	0	+∞	Si
262	104331	1	155068	5.1	124.5	175.1	1837	104331	1	155068	5.1	93.4	0	+∞	Si
321	199417	1	236751	7.8	124.5	267.3	1837	199417	1	236751	7.8	93.4	0	+∞	Si
379	267613	1	291554	9.6	124.5	329.2	1837	267613	1	291554	9.6	93.4	0	+∞	Si
437	309548	2	321082	9.9	124.5	300.7	1837	309304	2	320426	9.8	93.4	0	+∞	Si
496	325977	3	325977	11.8	124.5	485.3	1837	324908	2	324908	11.8	93.4	0	+∞	Si
554	315554	3	324092	11.8	124.5	482.5	1837	313667	2	322612	11.7	93.4	0	+∞	Si
612	278262	3	300203	10.9	124.5	447	1837	275566	2	297907	10.8	93.4	0	+∞	Si
671	214026	3	249394	9.1	124.5	371.3	1837	210542	2	246301	8.9	93.4	0	+∞	Si
700	171804	3	213886	7.8	124.5	318.5	1837	167933	2	210401	7.6	93.4	0	+∞	Si
758	67157	3	122664	4.2	124.5	181.9	1837	62527	2	118410	4	93.4	0	+∞	Si
817	-77148	1	-153638	4.8	124.5	172.8	1837	-77148	1	-153638	4.8	93.4	0	+∞	Si
852	-172969	1	-172969	5.4	124.5	194.5	1837	-172969	1	-172969	5.4	93.4	0	+∞	Si
875	-237357	1	-204460	6.4	124.5	229.9	1837	-237357	1	-204460	6.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
58	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.006	1	0.005	1	9999	Si
117	0.008	0.008	0.007	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.019	1	0.019	1	9999	Si
175	0.017	0.017	0.015	0.014	0.017	0.017	0.015	0.014	0.017	0.017	0.038	1	0.038	1	9999	Si
233	0.026	0.026	0.023	0.022	0.026	0.026	0.023	0.022	0.026	0.026	0.059	1	0.058	1	9999	Si
262	0.031	0.03	0.027	0.026	0.031	0.031	0.027	0.026	0.031	0.031	0.069	1	0.068	1	9999	Si
321	0.039	0.039	0.034	0.034	0.039	0.039	0.034	0.034	0.039	0.039	0.087	1	0.087	1	9999	Si
379	0.045	0.045	0.039	0.039	0.045	0.045	0.039	0.039	0.045	0.045	0.101	1	0.101	1	8674	Si
437	0.049	0.049	0.043	0.043	0.049	0.049	0.043	0.043	0.049	0.049	0.11	2	0.11	2	7973	Si
496	0.05	0.05	0.044	0.044	0.05	0.05	0.044	0.044	0.05	0.05	0.112	2	0.112	2	7791	Si
554	0.048	0.048	0.042	0.042	0.048	0.048	0.042	0.042	0.048	0.048	0.108	2	0.107	2	8105	Si
612	0.043	0.043	0.038	0.038	0.043	0.043	0.038	0.038	0.043	0.043	0.097	2	0.096	2	9027	Si
671	0.036	0.035	0.031	0.031	0.036	0.035	0.031	0.031	0.036	0.035	0.08	2	0.079	2	9999	Si
700	0.031	0.031	0.027	0.027	0.031	0.031	0.027	0.027	0.031	0.031	0.07	2	0.069	2	9999	Si
758	0.021	0.021	0.018	0.018	0.021	0.021	0.018	0.018	0.021	0.021	0.047	2	0.046	2	9999	Si
817	0.01	0.01	0.009	0.009	0.01	0.01	0.009	0.009	0.01	0.01	0.023	2	0.022	2	9999	Si
852	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3785	6225	12021	SLV 7	0.47	1453	1.34	-579302	-1913147	-2773116	SLV 7	0.42	995	1.147	Si
58	3501	6225	12021	SLV 7	0.49	1591	1.39	-553298	-1879757	-2373319	SLV 7	0.35	658	0.968	No
117	3038	6225	9541	SLV 7	0.38	792	1.045	-349135	-1591794	-1872760	SLV 7	0.35	640	0.957	No
175	2575	6225	9541	SLV 7	0.41	936	1.119	-171990	-1303908	-971252	SLV 7	0.23	235	0.635	No
233	2113	6225	9541	SLV 7	0.43	1106	1.198	-21837	-1016143	-971252	SLV 7	0.34	604	0.935	No
262	1882	6225	9541	SLV 7	0.44	1199	1.238	43125	-872330	-971252	SLV 7	0.42	1033	1.165	Si
321	1420	6225	9541	SLV 7	0.47	1400	1.319	152835	-584934	-971252	SLV 7	0.57	2474	1.666	Si
379	959	6225	12021	SLV 7	0.57	2474	1.666	235614	-298106	-971252	SLV 7	0.57	2474	1.666	Si
437	498	6225	10922	SLV 7	0.57	2474	1.666	320426	-301629	-971494	SLV 5	0.57	2474	1.666	Si
496	37	-6225	-9541	SLV 9	0.55	2176	1.581	322649	581052	1422093	SLV 11	0.57	2474	1.666	Si
554	-423	-6225	-9541	SLV 9	0.52	1908	1.498	298033	865135	1422093	SLV 7	0.47	1385	1.314	Si
612	-884	-6225	-9541	SLV 9	0.5	1661	1.415	246516	1151371	1422093	SLV 7	0.37	748	1.02	Si
671	-1345	-6225	-9541	SLV 9	0.47	1434	1.333	168074	-1438493	-970824	SLV 9	0.29	411	0.798	No
700	-1576	-6225	-9541	SLV 9	0.46	1330	1.292	118758	-1582224	-970824	SLV 9	0.26	302	0.704	No
729	-1807	-6225	-9541	SLV 9	0.45	1230	1.251	62713	-1726027	-970824	SLV 9	0.22	224	0.622	No
758	-2038	-6225	-9541	SLV 9	0.44	1136	1.211	-62	1869882	1422094	SLV 7	0.28	377	0.771	No
817	-2499	-6225	-11239	SLV 9	0.5	1703	1.43	-145797	2157704	1422107	SLV 7	0.27	341	0.739	No
852	-2783	-6225	-12013	SLV 9	0.53	1971	1.518	-165017	2191082	1422107	SLV 7	0.27	339	0.738	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3785	2186	12021	SLD 7	0.5	1680	3.578	-579302	-846609	-2773116	SLD 7	0.35	644	2.415	Si
58	3501	2186	12021	SLD 7	0.52	1839	3.713	-553298	-831833	-2373319	SLD 7	0.3	433	2.052	Si
117	3038	2186	9541	SLD 7	0.4	901	2.771	-349135	-704403	-1872760	SLD 7	0.29	423	2.032	Si
175	2575	2186	9541	SLD 7	0.43	1076	2.98	-171990	-577008	-971252	SLD 7	0.19	161	1.368	Si
233	2113	2186	9541	SLD 7	0.45	1277	3.197	-21837	-449665	-971252	SLD 7	0.29	400	1.986	Si
262	1882	2186	9541	SLD 7	0.47	1384	3.304	43125	-386025	-971252	SLD 7	0.35	666	2.448	Si
321	1420	2186	12021	SLD 7	0.6	2474	4.193	152835	-258846	-971252	SLD 7	0.57	2458	4.182	Si
379	959	2186	12021	SLD 7	0.6	2474	4.193	235614	-131918	-971252	SLD 7	0.6	2474	4.193	Si
437	498	2186	10922	SLD 7	0.6	2474	4.193	320426	-133476	-971494	SLD 5	0.6	2474	4.193	Si
496	37	2186	10922	SLD 7	0.6	2474	4.193	322649	257128	1422093	SLD 11	0.56	2358	4.111	Si
554	-423	-2186	-9541	SLD 9	0.55	2206	4	298033	382842	1422093	SLD 7	0.39	873	2.736	Si
612	-884	-2186	-9541	SLD 9	0.52	1920	3.779	246516	509507	1422093	SLD 7	0.31	487	2.153	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
671	-1345	-2186	-9541	SLD 9	0.5	1659	3.559	168074	-636565	-970824	SLD 9	0.25	279	1.714	Si
700	-1576	-2186	-9541	SLD 9	0.48	1536	3.449	118758	-700169	-970824	SLD 9	0.22	206	1.513	Si
758	-2038	-2186	-9541	SLD 9	0.46	1311	3.232	-62	827464	1422094	SLD 7	0.24	256	1.654	Si
817	-2499	-2186	-11239	SLD 9	0.53	1969	3.818	-145797	954831	1422107	SLD 7	0.23	232	1.589	Si
852	-2783	-2186	-12013	SLD 9	0.56	2280	4.055	-165017	969602	1422107	SLD 7	0.23	230	1.583	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" 25D-25B

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x50	Rettangolare	40	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - 29A, sezione R 40x50, asta 712

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	35577	SLU 20	35577	659306	0.113	-1494	SLU 17	-1494	-659306	0.113	Si
9	7.6	5.4	7.6	5.4	39567	SLU 20	39567	659306	0.113						Si
17	7.6	5.4	7.6	5.4	41798	SLU 20	41798	659306	0.113						Si
25	7.6	5.4	7.6	5.4	42265	SLU 20	42269	659306	0.113						Si
30	7.6	5.4	7.6	5.4	41845	SLU 20	42269	659306	0.113						Si
39	7.6	5.4	7.6	5.4	39676	SLU 20	42269	659306	0.113						Si
48	7.6	5.4	7.6	5.4	35748	SLU 20	42113	659306	0.113						Si
56	7.6	5.4	7.6	5.4	30060	SLU 20	40500	659306	0.113						Si
65	7.6	5.4	10.71	5.4	22612	SLU 20	37127	904668	0.123	8815	SLU 17	-7149	-659699	0.115	Si
74	7.6	5.4	11.88	5.4	13405	SLU 20	31995	996657	0.127	3153	SLU 17	-19911	-659802	0.115	Si
82	7.6	5.4	13.05	5.4	2439	SLU 20	25103	1088550	0.131	-4164	SLU 17	-35041	-659887	0.116	Si
91	7.6	5.4	14.21	5.4	-7539	SLU 1	16452	1180389	0.135	-15496	SLU 36	-49975	-659961	0.116	Si
100	7.6	5.4	15.21	5.4	-17773	SLU 1	6040	1258288	0.139	-29985	SLU 36	-49975	-660015	0.116	Si
104	7.6	5.4	15.21	5.4	-23409	SLU 1	407	1258288	0.139	-37991	SLU 36	-49975	-660015	0.116	Si
110	7.6	5.4	15.21	5.4						-49975	SLU 36	-49975	-660015	0.116	Si
113	7.6	5.4	15.21	5.4						-55526	SLU 36	-55123	-660015	0.116	Si
121	7.6	5.4	15.21	5.4						-75094	SLU 36	-66775	-660015	0.116	Si
130	7.6	5.4	15.21	5.4						-96692	SLU 36	-70659	-660015	0.116	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	250075	SLV 15	207387	659306	0.113	-210499	SLV 1	-154264	-659306	0.113	Si
9	7.6	5.4	7.6	5.4	219758	SLV 15	201543	659306	0.113	-172162	SLV 1	-148200	-659306	0.113	Si
17	7.6	5.4	7.6	5.4	188031	SLV 15	184012	659306	0.113	-135247	SLV 1	-130011	-659306	0.113	Si
25	7.6	5.4	7.6	5.4	158761	SLV 15	158761	659306	0.113	-103812	SLV 1	-103812	-659306	0.113	Si
30	7.6	5.4	7.6	5.4	137805	SLV 15	158761	659306	0.113	-82550	SLV 1	-103812	-659306	0.113	Si
39	7.6	5.4	7.6	5.4	102579	SLV 15	158761	659306	0.113	-49216	SLV 1	-103812	-659306	0.113	Si
48	7.6	5.4	7.6	5.4	66003	SLV 15	148600	659306	0.113	-17365	SLV 1	-93417	-659306	0.113	Si
56	7.6	5.4	7.6	5.4	44055	SLV 7	113811	659306	0.113	-2973	SLV 9	-70369	-659306	0.113	Si
65	7.6	5.4	10.71	5.4	51885	SLV 3	106530	904668	0.123	-21192	SLV 13	-110850	-659699	0.115	Si
74	7.6	5.4	11.88	5.4	75627	SLV 3	130135	996657	0.127	-58155	SLV 13	-154234	-659802	0.115	Si
82	7.6	5.4	13.05	5.4	99033	SLV 3	152874	1088550	0.131	-97614	SLV 13	-199583	-659887	0.116	Si
91	7.6	5.4	14.21	5.4	122759	SLV 1	171775	1180389	0.135	-140224	SLV 15	-240634	-659961	0.116	Si
100	7.6	5.4	15.21	5.4	145856	SLV 1	171775	1258288	0.139	-185037	SLV 15	-240634	-660015	0.116	Si
104	7.6	5.4	15.21	5.4	156968	SLV 1	171775	1258288	0.139	-208070	SLV 15	-240634	-660015	0.116	Si
110	7.6	5.4	15.21	5.4	171775	SLV 1	171775	1258288	0.139	-240634	SLV 15	-240634	-660015	0.116	Si
113	7.6	5.4	15.21	5.4	178207	SLV 1	177832	1258288	0.139	-255273	SLV 15	-254304	-660015	0.116	Si
121	7.6	5.4	15.21	5.4	198081	SLV 1	191542	1258288	0.139	-303943	SLV 15	-285245	-660015	0.116	Si
130	7.6	5.4	15.21	5.4	216565	SLV 1	196113	1258288	0.139	-354054	SLV 15	-295559	-660015	0.116	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	121699	SLD 15	106584	659306	0.113	-82123	SLD 1	-53461	-659306	0.113	Si
9	7.6	5.4	7.6	5.4	110518	SLD 15	104059	659306	0.113	-62922	SLD 1	-50716	-659306	0.113	Si
17	7.6	5.4	7.6	5.4	97924	SLD 15	96484	659306	0.113	-45140	SLD 1	-42483	-659306	0.113	Si
25	7.6	5.4	7.6	5.4	85574	SLD 15	85574	659306	0.113	-30624	SLD 1	-30624	-659306	0.113	Si
30	7.6	5.4	7.6	5.4	76385	SLD 15	85574	659306	0.113	-21130	SLD 1	-30624	-659306	0.113	Si
39	7.6	5.4	7.6	5.4	60269	SLD 15	85574	659306	0.113	-6906	SLD 1	-30624	-659306	0.113	Si
48	7.6	5.4	7.6	5.4	42765	SLD 15	81142	659306	0.113	5873	SLD 1	-25960	-659306	0.113	Si
56	7.6	5.4	7.6	5.4	30943	SLD 7	65468	659306	0.113	10139	SLD 9	-27619	-659306	0.113	Si
65	7.6	5.4	10.71	5.4	31514	SLD 3	48400	904668	0.123	-821	SLD 13	-50257	-659699	0.115	Si
74	7.6	5.4	11.88	5.4	38336	SLD 3	50871	996657	0.127	-20863	SLD 13	-74970	-659802	0.115	Si
82	7.6	5.4	13.05	5.4	44219	SLD 3	54632	1088550	0.131	-42799	SLD 13	-101341	-659887	0.116	Si
91	7.6	5.4	14.21	5.4	49455	SLD 1	56823	1180389	0.135	-66920	SLD 15	-125682	-659961	0.116	Si
100	7.6	5.4	15.21	5.4	53624	SLD 1	56823	1258288	0.139	-92806	SLD 15	-125682	-660015	0.116	Si
104	7.6	5.4	15.21	5.4	55219	SLD 1	56823	1258288	0.139	-106321	SLD 15	-125682	-660015	0.116	Si
110	7.6	5.4	15.21	5.4	56823	SLD 1	56823	1258288	0.139	-125682	SLD 15	-125682	-660015	0.116	Si
113	7.6	5.4	15.21	5.4	57382	SLD 1	57382	1258288	0.139	-134448	SLD 15	-133853	-660015	0.116	Si
121	7.6	5.4	15.21	5.4	58151	SLD 1	58151	1258288	0.139	-164012	SLD 15	-152349	-660015	0.116	Si
130	7.6	5.4	15.21	5.4	57515	SLD 1	57515	1258288	0.139	-195004	SLD 15	-158514	-660015	0.116	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1012	SLU 35	1012	7391	47198	0	7391	1	Si
9	0	7.6	0	778	SLU 35	778	7391	47198	0	7391	1	Si
17	0	7.6	0	543	SLU 35	543	7391	47198	0	7391	1	Si
25	0.071	7.6	0	336	SLU 35	336	7391	47198	5688	7391	1	Si
25	0.071	7.6	0	-36	SLU 2	-36	-7391	-47198	-5688	-7391	1	Si
30	0.071	7.6	0	206	SLU 17	206	7391	47198	5688	7391	1	Si
30	0.071	7.6	0	-149	SLU 20	-149	-7391	-47198	-5688	-7391	1	Si
39	0.071	7.6	0	15	SLU 17	15	7391	47198	5688	7391	1	Si
39	0.071	7.6	0	-352	SLU 20	-352	-7391	-47198	-5688	-7391	1	Si
48	0.071	7.6	0	-555	SLU 20	-555	-7391	-47198	-5688	-7391	1	Si
56	0.071	7.6	0	-758	SLU 20	-758	-7391	-47198	-5688	-7391	1	Si
65	0.071	7.6	0	-961	SLU 20	-961	-7391	-47198	-5688	-7391	1	Si
74	0.071	7.6	0	-1172	SLU 29	-1172	-7391	-47198	-5688	-7391	1	Si
82	0.071	7.6	0	-1389	SLU 29	-1389	-7391	-47198	-5688	-7391	1	Si
91	0.071	7.6	0	-1605	SLU 29	-1605	-7391	-47198	-5688	-7391	1	Si
100	0.071	7.6	0	-1825	SLU 30	-1825	-7391	-47198	-5688	-7391	1	Si
104	0.071	7.6	0	-1936	SLU 30	-1936	-7391	-47198	-5688	-7391	1	Si
110	0.071	7.6	0	-2091	SLU 30	-2091	-7391	-47198	-5688	-7391	1	Si
113	0	7.6	0	-2159	SLU 30	-2159	-7391	-47198	0	-7391	1	Si
121	0	7.6	0	-2382	SLU 30	-2382	-7391	-47198	0	-7391	1	Si
130	0	7.6	0	-2609	SLU 36	-2609	-7391	-47198	0	-7391	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4507	SLV 1	5538	7391	47198	0	7391	1	Si
0	0	7.6	0	-3419	SLV 15	-4449	-7391	-47198	0	-7391	1	Si
9	0	7.6	0	4344	SLV 1	5375	7391	47198	0	7391	1	Si
9	0	7.6	0	-3582	SLV 15	-4612	-7391	-47198	0	-7391	1	Si
17	0	7.6	0	4181	SLV 1	5211	7391	47198	0	7391	1	Si
17	0	7.6	0	-3745	SLV 15	-4776	-7391	-47198	0	-7391	1	Si
25	0.071	7.6	0	4036	SLV 1	5067	7391	47198	5688	7391	1	Si
25	0.071	7.6	0	-3890	SLV 15	-4920	-7391	-47198	-5688	-7391	1	Si
30	0.071	7.6	0	3936	SLV 1	4966	7391	47198	5688	7391	1	Si
30	0.071	7.6	0	-3991	SLV 15	-5021	-7391	-47198	-5688	-7391	1	Si
39	0.071	7.6	0	3772	SLV 1	4803	7391	47198	5688	7391	1	Si
39	0.071	7.6	0	-4154	SLV 15	-5184	-7391	-47198	-5688	-7391	1	Si
48	0.071	7.6	0	3609	SLV 1	4639	7391	47198	5688	7391	1	Si
48	0.071	7.6	0	-4317	SLV 15	-5348	-7391	-47198	-5688	-7391	1	Si
56	0.071	7.6	0	3445	SLV 1	4476	7391	47198	5688	7391	1	Si
56	0.071	7.6	0	-4481	SLV 15	-5511	-7391	-47198	-5688	-7391	1	Si
65	0.071	7.6	0	3282	SLV 1	4312	7391	47198	5688	7391	1	Si
65	0.071	7.6	0	-4644	SLV 15	-5675	-7391	-47198	-5688	-7391	1	Si
74	0.071	7.6	0	3119	SLV 1	4149	7391	47198	5688	7391	1	Si
74	0.071	7.6	0	-4808	SLV 15	-5838	-7391	-47198	-5688	-7391	1	Si
82	0.071	7.6	0	2955	SLV 1	3986	7391	47198	5688	7391	1	Si
82	0.071	7.6	0	-4971	SLV 15	-6001	-7391	-47198	-5688	-7391	1	Si
91	0.071	7.6	0	2792	SLV 1	3822	7391	47198	5688	7391	1	Si
91	0.071	7.6	0	-5134	SLV 15	-6165	-7391	-47198	-5688	-7391	1	Si
100	0.071	7.6	0	2629	SLV 1	3659	7391	47198	5688	7391	1	Si
100	0.071	7.6	0	-5298	SLV 15	-6328	-7391	-47198	-5688	-7391	1	Si
104	0.071	7.6	0	2547	SLV 1	3577	7391	47198	5688	7391	1	Si
104	0.071	7.6	0	-5379	SLV 15	-6410	-7391	-47198	-5688	-7391	1	Si
110	0.071	10.71	0	2434	SLV 1	3464	8287	47198	5688	8287	1	Si
110	0.071	7.6	0	-5492	SLV 15	-6523	-7391	-47198	-5688	-7391	1	Si
113	0	11.3	0	2383	SLV 1	3414	8434	47198	0	8434	1	Si
113	0	7.6	0	-5543	SLV 15	-6573	-7391	-47198	0	-7391	1	Si
121	0	12.46	0	2220	SLV 1	3251	8715	47198	0	8715	1	Si
121	0	7.6	0	-5706	SLV 15	-6736	-7391	-47198	0	-7391	1	Si
130	0	13.63	0	2057	SLV 1	3087	8979	47198	0	8979	1	Si
130	0	7.6	0	-5869	SLV 15	-6900	-7391	-47198	0	-7391	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2298	SLD 1	2298	7391	47198	0	7391	1	Si
0	0	7.6	0	-1209	SLD 15	-1209	-7391	-47198	0	-7391	1	Si
9	0	7.6	0	2135	SLD 1	2135	7391	47198	0	7391	1	Si
9	0	7.6	0	-1373	SLD 15	-1373	-7391	-47198	0	-7391	1	Si
17	0	7.6	0	1971	SLD 1	1971	7391	47198	0	7391	1	Si
17	0	7.6	0	-1536	SLD 15	-1536	-7391	-47198	0	-7391	1	Si
25	0.071	7.6	0	1827	SLD 1	1827	7391	47198	5688	7391	1	Si
25	0.071	7.6	0	-1681	SLD 15	-1681	-7391	-47198	-5688	-7391	1	Si
30	0.071	7.6	0	1726	SLD 1	1726	7391	47198	5688	7391	1	Si
30	0.071	7.6	0	-1781	SLD 15	-1781	-7391	-47198	-5688	-7391	1	Si
39	0.071	7.6	0	1563	SLD 1	1563	7391	47198	5688	7391	1	Si
39	0.071	7.6	0	-1945	SLD 15	-1945	-7391	-47198	-5688	-7391	1	Si
48	0.071	7.6	0	1400	SLD 1	1400	7391	47198	5688	7391	1	Si
48	0.071	7.6	0	-2108	SLD 15	-2108	-7391	-47198	-5688	-7391	1	Si
56	0.071	7.6	0	1236	SLD 1	1236	7391	47198	5688	7391	1	Si
56	0.071	7.6	0	-2271	SLD 15	-2271	-7391	-47198	-5688	-7391	1	Si
65	0.071	7.6	0	1073	SLD 1	1073	7391	47198	5688	7391	1	Si
65	0.071	7.6	0	-2435	SLD 15	-2435	-7391	-47198	-5688	-7391	1	Si
74	0.071	7.6	0	909	SLD 1	909	7391	47198	5688	7391	1	Si
74	0.071	7.6	0	-2598	SLD 15	-2598	-7391	-47198	-5688	-7391	1	Si
82	0.071	7.6	0	746	SLD 1	746	7391	47198	5688	7391	1	Si
82	0.071	7.6	0	-2762	SLD 15	-2762	-7391	-47198	-5688	-7391	1	Si
91	0.071	7.6	0	583	SLD 1	583	7391	47198	5688	7391	1	Si
91	0.071	7.6	0	-2925	SLD 15	-2925	-7391	-47198	-5688	-7391	1	Si
100	0.071	7.6	0	419	SLD 1	419	7391	47198	5688	7391	1	Si
100	0.071	7.6	0	-3088	SLD 15	-3088	-7391	-47198	-5688	-7391	1	Si
104	0.071	7.6	0	338	SLD 1	338	7391	47198	5688	7391	1	Si
104	0.071	7.6	0	-3170	SLD 15	-3170	-7391	-47198	-5688	-7391	1	Si
110	0.071	10.71	0	224	SLD 1	224	8287	47198	5688	8287	1	Si
110	0.071	7.6	0	-3283	SLD 15	-3283	-7391	-47198	-5688	-7391	1	Si
113	0	11.3	0	174	SLD 1	174	8434	47198	0	8434	1	Si
113	0	7.6	0	-3333	SLD 15	-3333	-7391	-47198	0	-7391	1	Si
121	0	12.46	0	11	SLD 1	11	8715	47198	0	8715	1	Si
121	0	7.6	0	-3497	SLD 15	-3497	-7391	-47198	0	-7391	1	Si
130	0	7.6	0	-3660	SLD 15	-3660	-7391	-47198	0	-7391	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	23094	2	23094	1.9	124.5	75.4	1837	19788	2	19788	1.6	93.4	0	+∞	Si
9	26757	2	26757	2.2	124.5	87.4	1837	23798	2	23798	1.9	93.4	0	+∞	Si
17	29003	2	29003	2.4	124.5	94.7	1837	26392	2	26392	2.1	93.4	0	+∞	Si
25	29778	2	29833	2.4	124.5	97.4	1837	27475	2	27628	2.2	93.4	0	+∞	Si
30	29717	2	29833	2.4	124.5	97.4	1837	27628	2	27628	2.2	93.4	0	+∞	Si
39	28423	2	29833	2.4	124.5	97.4	1837	26682	2	27628	2.2	93.4	0	+∞	Si
48	25713	2	29790	2.4	124.5	97.3	1837	24319	2	27628	2.2	93.4	0	+∞	Si
56	21586	2	28943	2.4	124.5	94.5	1837	20541	2	27092	2.2	93.4	0	+∞	Si
65	16044	2	26680	1.9	124.5	62.6	1837	15346	2	25177	1.8	93.4	0	+∞	Si
74	9086	2	23001	1.6	124.5	48.9	1837	8736	2	21846	1.5	93.4	0	+∞	Si
82	712	2	17906	1.2	124.5	34.8	1837	710	2	17098	1.1	93.4	0	+∞	Si
82	-1533	8	-25769	1.9	124.5	84.1	1837								Si
91	-10976	9	-37057	2.7	124.5	121	1837	-8733	2	-34430	2.5	93.4	0	+∞	Si
100	-21945	9	-37057	2.7	124.5	121	1837	-19591	2	-34430	2.5	93.4	0	+∞	Si
104	-28000	9	-37057	2.7	124.5	121	1837	-25551	2	-34430	2.5	93.4	0	+∞	Si
110	-37057	9	-37057	2.7	124.5	121	1837	-34430	2	-34430	2.5	93.4	0	+∞	Si
113	-41251	9	-40946	3	124.5	133.7	1837	-38533	2	-38236	2.8	93.4	0	+∞	Si
121	-56024	9	-49750	3.6	124.5	162.4	1837	-52931	2	-46851	3.4	93.4	0	+∞	Si
130	-72318	9	-52684	3.8	124.5	172	1837	-68745	2	-49723	3.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
9	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
17	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
25	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
30	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
39	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
43	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
48	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
56	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
65	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
74	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
82	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
91	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
100	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
104	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
110	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
113	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
121	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
25	73	4993	7391	SLV 1	0.52	1911	1.499	27475	131287	659306	SLV 15	0.57	2474	1.666	Si
30	-27	-4993	-7391	SLV 15	0.53	1943	1.509	27475	131287	659306	SLV 15	0.57	2474	1.666	Si
39	-191	-4993	-7391	SLV 15	0.52	1830	1.473	27475	131287	659306	SLV 15	0.57	2474	1.666	Si
48	-354	-4993	-7391	SLV 15	0.5	1720	1.436	27591	121009	659306	SLV 15	0.57	2474	1.666	Si
56	-518	-4993	-7391	SLV 15	0.49	1616	1.399	27092	86719	659306	SLV 15	0.57	2474	1.666	Si
65	-681	-4993	-7391	SLV 15	0.48	1515	1.363	-2160	-108690	-659699	SLV 13	0.57	2474	1.666	Si
74	-844	-4993	-7391	SLV 15	0.47	1419	1.327	-12049	-142185	-659802	SLV 15	0.57	2474	1.666	Si
82	-1008	-4993	-7391	SLV 15	0.46	1327	1.291	-23355	-176228	-659887	SLV 15	0.57	2474	1.666	Si
91	-1171	-4993	-7391	SLV 15	0.45	1239	1.255	-34430	-206205	-659961	SLV 15	0.57	2474	1.666	Si
100	-1335	-4993	-7391	SLV 15	0.44	1155	1.219	-34430	-206205	-660015	SLV 15	0.57	2474	1.666	Si
104	-1416	-4993	-7391	SLV 15	0.43	1114	1.201	-34430	-206205	-660015	SLV 15	0.57	2474	1.666	Si
110	-1529	-4993	-7391	SLV 15	0.42	1059	1.177	-34430	-206205	-660015	SLV 15	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
25	73	1754	7391	SLD 1	0.55	2209	4.003	27475	58099	659306	SLD 15	0.6	2474	4.193	Si
30	-27	-1754	-7391	SLD 15	0.55	2246	4.03	27475	58099	659306	SLD 15	0.6	2474	4.193	Si
39	-191	-1754	-7391	SLD 15	0.54	2116	3.933	27475	58099	659306	SLD 15	0.6	2474	4.193	Si
48	-354	-1754	-7391	SLD 15	0.53	1990	3.835	27591	53551	659306	SLD 15	0.6	2474	4.193	Si
56	-518	-1754	-7391	SLD 15	0.52	1868	3.737	27092	38376	659306	SLD 15	0.6	2474	4.193	Si
65	-681	-1754	-7391	SLD 15	0.51	1751	3.639	-2160	-48097	-659699	SLD 13	0.6	2474	4.193	Si
74	-844	-1754	-7391	SLD 15	0.5	1640	3.543	-12049	-62920	-659802	SLD 15	0.6	2474	4.193	Si
82	-1008	-1754	-7391	SLD 15	0.48	1533	3.446	-23355	-77986	-659887	SLD 15	0.6	2474	4.193	Si
91	-1171	-1754	-7391	SLD 15	0.47	1430	3.349	-34430	-91252	-659961	SLD 15	0.6	2474	4.193	Si
100	-1335	-1754	-7391	SLD 15	0.46	1333	3.254	-34430	-91252	-660015	SLD 15	0.6	2474	4.193	Si
104	-1416	-1754	-7391	SLD 15	0.45	1286	3.206	-34430	-91252	-660015	SLD 15	0.6	2474	4.193	Si
110	-1529	-1754	-7391	SLD 15	0.45	1222	3.14	-34430	-91252	-660015	SLD 15	0.6	2474	4.193	Si

Campata 2 tra i fili 29A - 25B, sezione R 40x50, asta 711

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	303036	SLU 29	303036	1258288	0.139						Si
20	7.6	5.4	15.21	5.4	324251	SLU 29	335812	1258288	0.139						Si
24	7.6	5.4	15.21	5.4	327498	SLU 29	336887	1258288	0.139						Si
47	7.6	5.4	15.21	5.4	337941	SLU 29	338043	1258288	0.139						Si
71	7.6	5.4	15.21	5.4	335578	SLU 30	338043	1258288	0.139						Si
95	7.6	5.4	13.75	5.4	319808	SLU 30	333730	1144072	0.133						Si
106	7.6	5.4	12.16	5.4	308125	SLU 36	326554	1018636	0.128						Si
118	7.6	5.4	7.6	5.4	293706	SLU 36	315765	659306	0.113						Si
130	7.6	5.4	7.6	5.4	275482	SLU 36	303742	659306	0.113						Si
154	7.6	5.4	7.6	5.4	228555	SLU 35	268786	659306	0.113						Si
177	7.6	5.4	7.6	5.4	172374	SLU 35	220596	659306	0.113						Si
201	7.6	5.4	7.6	5.4	100966	SLU 35	162100	659306	0.113	42373	SLU 2	-19082	-659306	0.113	Si
225	7.6	5.4	7.6	5.4	15251	SLU 26	88379	659306	0.113	-31294	SLU 11	-122546	-659306	0.113	Si
248	7.6	5.4	7.6	5.4	-61405	SLU 8	3631	659306	0.113	-139614	SLU 29	-243254	-659306	0.113	Si
272	14.06	5.4	7.6	5.4						-262456	SLU 29	-378002	-1168272	0.135	Si
284	15.73	5.4	7.6	5.4						-329141	SLU 29	-450642	-1299742	0.141	Si
308	19.01	5.4	7.6	5.4						-473044	SLU 29	-608240	-1556268	0.155	Si
330	19.01	5.4	7.6	5.4						-623925	SLU 30	-623925	-1556268	0.155	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
331	19.01	5.4	7.6	5.4						-633165	SLU 30	-633073	-1556268	0.155	Si
355	19.01	5.4	7.6	5.4						-808038	SLU 30	-712034	-1556268	0.155	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	1123507	SLV 7	1085231	1258288	0.139	-708112	SLV 9	-647404	-660015	0.116	Si
20	7.6	5.4	15.21	5.4	1043444	SLV 7	1043444	1258288	0.139	-590186	SLV 9	-590186	-660015	0.116	Si
24	7.6	5.4	15.21	5.4	1028280	SLV 7	1043444	1258288	0.139	-569052	SLV 9	-590186	-660015	0.116	Si
47	7.6	5.4	15.21	5.4	922461	SLV 7	1012601	1258288	0.139	-440594	SLV 9	-549127	-660015	0.116	Si
71	7.6	5.4	15.21	5.4	806051	SLV 7	905172	1258288	0.139	-322740	SLV 9	-422280	-660015	0.116	Si
95	7.6	5.4	13.75	5.4	679053	SLV 7	787153	1144072	0.133	-215497	SLV 9	-306039	-659934	0.116	Si
106	7.6	5.4	12.16	5.4	611587	SLV 7	724173	1018636	0.128	-165859	SLV 9	-251897	-659824	0.115	Si
118	7.6	5.4	7.6	5.4	541478	SLV 7	658547	659306	0.113	-118879	SLV 9	-200410	-659306	0.113	Si
130	7.6	5.4	7.6	5.4	468733	SLV 7	590278	659306	0.113	-74563	SLV 9	-151580	-659306	0.113	Si
154	7.6	5.4	7.6	5.4	315386	SLV 7	445824	659306	0.113	6019	SLV 9	-61907	-659306	0.113	Si
177	7.6	5.4	7.6	5.4	152366	SLV 7	290918	659306	0.113						Si
201	7.6	5.4	7.6	5.4	137866	SLV 9	178728	659306	0.113	-25620	SLV 7	-181347	-659306	0.113	Si
225	7.6	5.4	7.6	5.4	185683	SLV 9	218424	659306	0.113	-209838	SLV 7	-375436	-659306	0.113	Si
248	7.6	5.4	7.6	5.4	223825	SLV 9	247675	659306	0.113	-405597	SLV 7	-580301	-659306	0.113	Si
272	14.06	5.4	7.6	5.4	251477	SLV 9	266362	659953	0.116	-612087	SLV 7	-795823	-1168272	0.135	Si
284	15.73	5.4	7.6	5.4	261339	SLV 9	271733	660043	0.117	-719327	SLV 7	-907572	-1299742	0.141	Si
308	19.01	5.4	7.6	5.4	273121	SLV 9	275037	660180	0.117	-941783	SLV 7	-1139040	-1556268	0.155	Si
330	19.01	5.4	7.6	5.4	274384	SLV 9	275037	660180	0.117	-1161585	SLV 7	-1161585	-1556268	0.155	Si
331	19.01	5.4	7.6	5.4	274301	SLV 9	274192	660180	0.117	-1174866	SLV 7	-1174626	-1556268	0.155	Si
355	19.01	5.4	7.6	5.4	264873	SLV 9	264873	660180	0.117	-1418571	SLV 7	-1287192	-1556268	0.155	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	612969	SLD 7	602283	1258288	0.139	-197574	SLD 9	-164456	-660015	0.116	Si
20	7.6	5.4	15.21	5.4	588092	SLD 7	588092	1258288	0.139	-134835	SLD 9	-134835	-660015	0.116	Si
24	7.6	5.4	15.21	5.4	583046	SLD 7	588092	1258288	0.139	-123818	SLD 9	-134835	-660015	0.116	Si
47	7.6	5.4	15.21	5.4	542528	SLD 7	577291	1258288	0.139	-60661	SLD 9	-113817	-660015	0.116	Si
71	7.6	5.4	15.21	5.4	491416	SLD 7	535163	1258288	0.139	-8105	SLD 9	-52271	-660015	0.116	Si
95	7.6	5.4	13.75	5.4	429709	SLD 7	482440	1144072	0.133	33847	SLD 9	-1326	-659934	0.116	Si
106	7.6	5.4	12.16	5.4	394884	SLD 7	452106	1018636	0.128						Si
118	7.6	5.4	7.6	5.4	357412	SLD 7	419124	659306	0.113						Si
130	7.6	5.4	7.6	5.4	317295	SLD 7	383494	659306	0.113						Si
154	7.6	5.4	7.6	5.4	229152	SLD 7	304300	659306	0.113						Si
177	7.6	5.4	7.6	5.4	130816	SLD 7	214568	659306	0.113						Si
201	7.6	5.4	7.6	5.4	92295	SLD 9	117199	659306	0.113	19951	SLD 7	-80982	-659306	0.113	Si
225	7.6	5.4	7.6	5.4	75438	SLD 9	90096	659306	0.113	-99592	SLD 7	-209907	-659306	0.113	Si
248	7.6	5.4	7.6	5.4	48384	SLD 9	71726	659306	0.113	-230156	SLD 7	-349516	-659306	0.113	Si
272	14.06	5.4	7.6	5.4	10772	SLD 9	43070	659953	0.116	-371382	SLD 7	-499756	-1168272	0.135	Si
284	15.73	5.4	7.6	5.4	-12006	SLD 9	24783	660043	0.117	-445982	SLD 7	-578860	-1299742	0.141	Si
308	19.01	5.4	7.6	5.4						-603148	SLD 7	-745031	-1556268	0.155	Si
330	19.01	5.4	7.6	5.4						-761331	SLD 7	-761331	-1556268	0.155	Si
331	19.01	5.4	7.6	5.4						-770933	SLD 7	-770790	-1556268	0.155	Si
355	19.01	5.4	7.6	5.4						-949337	SLD 7	-852443	-1556268	0.155	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	2127	SLU 35	2127	9313	47198	0	9313	1	Si
20	0.06	15.21	0	1584	SLU 35	1584	9313	47198	4835	9313	1	Si
24	0.06	15.21	0	1484	SLU 35	1484	9313	47198	4835	9313	1	Si
47	0.06	13.75	0	841	SLU 35	841	9006	47198	4835	9006	1	Si
47	0.06	13.75	0	-10	SLU 2	-10	-9006	-47198	-4835	-9006	1	Si
71	0.129	7.6	0	213	SLU 17	213	7391	47198	10360	10360	1	Si
71	0.129	7.6	0	-462	SLU 20	-462	-7391	-47198	-10360	-10360	1	Si
95	0.129	7.6	0	-1040	SLU 29	-1040	-7391	-47198	-10360	-10360	1	Si
106	0.129	7.6	0	-1336	SLU 29	-1336	-7391	-47198	-10360	-10360	1	Si
130	0.129	7.6	0	-1929	SLU 29	-1929	-7391	-47198	-10360	-10360	1	Si
154	0.129	7.6	0	-2522	SLU 29	-2522	-7391	-47198	-10360	-10360	1	Si
177	0.129	7.6	0	-3115	SLU 29	-3115	-7391	-47198	-10360	-10360	1	Si
201	0.129	7.6	0	-3721	SLU 30	-3721	-7391	-47198	-10360	-10360	1	Si
225	0.129	7.6	0	-4332	SLU 30	-4332	-7391	-47198	-10360	-10360	1	Si
248	0.129	7.6	0	-4943	SLU 30	-4943	-7391	-47198	-10360	-10360	1	Si
272	0.129	7.6	0	-5561	SLU 36	-5561	-7391	-47198	-10360	-10360	1	Si
284	0.161	7.6	0	-5883	SLU 36	-5883	-7391	-47198	-12892	-12892	1	Si
308	0.161	12.39	0	-6527	SLU 36	-6527	-8697	-47198	-12892	-12892	1	Si
330	0.161	15.73	0	-7135	SLU 36	-7135	-9419	-47198	-12892	-12892	1	Si
331	0	15.73	0	-7171	SLU 36	-7171	-9419	-47198	0	-9419	1	Si
355	0	19.01	0	-7815	SLU 36	-7815	-10032	-47198	0	-10032	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	6100	SLV 9	7387	7391	47198	0	7391	1	Si
0	0	15.21	0	-3800	SLV 7	-5087	-9313	-47198	0	-9313	1	Si
20	0.06	7.6	0	5722	SLV 9	7009	7391	47198	4835	7391	1	Si
20	0.06	15.21	0	-4179	SLV 7	-5466	-9313	-47198	-4835	-9313	1	Si
24	0.06	7.6	0	5652	SLV 9	6939	7391	47198	4835	7391	1	Si
24	0.06	15.21	0	-4248	SLV 7	-5535	-9313	-47198	-4835	-9313	1	Si
47	0.06	7.6	0	5205	SLV 9	6492	7391	47198	4835	7391	1	Si
47	0.06	13.75	0	-4696	SLV 7	-5983	-9006	-47198	-4835	-9006	1	Si
71	0.129	7.6	0	4757	SLV 9	6044	7391	47198	10360	10360	1	Si
71	0.129	7.6	0	-5144	SLV 7	-6431	-7391	-47198	-10360	-10360	1	Si
95	0.129	7.6	0	4309	SLV 9	5596	7391	47198	10360	10360	1	Si
95	0.129	7.6	0	-5592	SLV 7	-6879	-7391	-47198	-10360	-10360	1	Si
106	0.129	7.6	0	4085	SLV 9	5372	7391	47198	10360	10360	1	Si
106	0.129	7.6	0	-5816	SLV 7	-7103	-7391	-47198	-10360	-10360	1	Si
130	0.129	7.6	0	3637	SLV 9	4924	7391	47198	10360	10360	1	Si
130	0.129	7.6	0	-6264	SLV 7	-7551	-7391	-47198	-10360	-10360	1	Si
154	0.129	7.6	0	3189	SLV 9	4476	7391	47198	10360	10360	1	Si
154	0.129	7.6	0	-6712	SLV 7	-7999	-7391	-47198	-10360	-10360	1	Si
177	0.129	7.6	0	2741	SLV 9	4028	7391	47198	10360	10360	1	Si
177	0.129	7.6	0	-7160	SLV 7	-8447	-7391	-47198	-10360	-10360	1	Si
201	0.129	7.6	0	2293	SLV 9	3580	7391	47198	10360	10360	1	Si
201	0.129	7.6	0	-7608	SLV 7	-8895	-7391	-47198	-10360	-10360	1	Si
225	0.129	7.6	0	1844	SLV 9	3131	7391	47198	10360	10360	1	Si
225	0.129	7.6	0	-8056	SLV 7	-9343	-7391	-47198	-10360	-10360	1	Si
248	0.129	7.6	0	1396	SLV 9	2683	7391	47198	10360	10360	1	Si
248	0.129	7.6	0	-8504	SLV 7	-9791	-7391	-47198	-10360	-10360	1	Si
272	0.129	7.6	0	948	SLV 9	2235	7391	47198	10360	10360	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
272	0.129	7.6	0	-8953	SLV 7	-10240	-7391	-47198	-10360	-10360	1	Si
284	0.161	7.6	0	724	SLV 9	2011	7391	47198	12892	12892	1	Si
284	0.161	7.6	0	-9177	SLV 7	-10464	-7391	-47198	-12892	-12892	1	Si
308	0.161	7.6	0	275	SLV 9	1562	7391	47198	12892	12892	1	Si
308	0.161	12.39	0	-9625	SLV 7	-10912	-8697	-47198	-12892	-12892	1	Si
330	0.161	7.6	0	-148	SLV 9	1139	7391	47198	12892	12892	1	Si
330	0.161	15.73	0	-10049	SLV 7	-11336	-9419	-47198	-12892	-12892	1	Si
331	0	7.6	0	-173	SLV 9	1114	7391	47198	0	7391	1	Si
331	0	15.73	0	-10074	SLV 7	-11361	-9419	-47198	0	-9419	1	Si
355	0	7.6	0	-622	SLV 9	665	7391	47198	0	7391	1	Si
355	0	19.01	0	-10522	SLV 7	-11809	-10032	-47198	0	-10032	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3341	SLD 9	3341	7391	47198	0	7391	1	Si
0	0	15.21	0	-1041	SLD 7	-1041	-9313	-47198	0	-9313	1	Si
20	0.06	7.6	0	2962	SLD 9	2962	7391	47198	4835	7391	1	Si
20	0.06	15.21	0	-1419	SLD 7	-1419	-9313	-47198	-4835	-9313	1	Si
24	0.06	7.6	0	2893	SLD 9	2893	7391	47198	4835	7391	1	Si
24	0.06	15.21	0	-1488	SLD 7	-1488	-9313	-47198	-4835	-9313	1	Si
47	0.06	7.6	0	2445	SLD 9	2445	7391	47198	4835	7391	1	Si
47	0.06	13.75	0	-1936	SLD 7	-1936	-9006	-47198	-4835	-9006	1	Si
71	0.129	7.6	0	1997	SLD 9	1997	7391	47198	10360	10360	1	Si
71	0.129	7.6	0	-2384	SLD 7	-2384	-7391	-47198	-10360	-10360	1	Si
95	0.129	7.6	0	1549	SLD 9	1549	7391	47198	10360	10360	1	Si
95	0.129	7.6	0	-2832	SLD 7	-2832	-7391	-47198	-10360	-10360	1	Si
106	0.129	7.6	0	1325	SLD 9	1325	7391	47198	10360	10360	1	Si
106	0.129	7.6	0	-3056	SLD 7	-3056	-7391	-47198	-10360	-10360	1	Si
130	0.129	7.6	0	877	SLD 9	877	7391	47198	10360	10360	1	Si
130	0.129	7.6	0	-3504	SLD 7	-3504	-7391	-47198	-10360	-10360	1	Si
154	0.129	7.6	0	429	SLD 9	429	7391	47198	10360	10360	1	Si
154	0.129	7.6	0	-3952	SLD 7	-3952	-7391	-47198	-10360	-10360	1	Si
177	0.129	7.6	0	-4400	SLD 7	-4400	-7391	-47198	-10360	-10360	1	Si
201	0.129	7.6	0	-4848	SLD 7	-4848	-7391	-47198	-10360	-10360	1	Si
225	0.129	7.6	0	-5296	SLD 7	-5296	-7391	-47198	-10360	-10360	1	Si
248	0.129	7.6	0	-5745	SLD 7	-5745	-7391	-47198	-10360	-10360	1	Si
272	0.129	7.6	0	-6193	SLD 7	-6193	-7391	-47198	-10360	-10360	1	Si
284	0.161	7.6	0	-6417	SLD 7	-6417	-7391	-47198	-12892	-12892	1	Si
308	0.161	12.39	0	-6866	SLD 7	-6866	-8697	-47198	-12892	-12892	1	Si
330	0.161	15.73	0	-7289	SLD 7	-7289	-9419	-47198	-12892	-12892	1	Si
331	0	15.73	0	-7314	SLD 7	-7314	-9419	-47198	0	-9419	1	Si
355	0	19.01	0	-7763	SLD 7	-7763	-10032	-47198	0	-10032	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	224439	2	224439	14.3	124.5	376.5	1837	207698	2	207698	13.2	93.4	0	+∞	Si
20	241148	2	250561	16	124.5	420.4	1837	226629	2	238273	15.2	93.4	0	+∞	Si
24	243725	2	251496	16	124.5	421.9	1837	229614	2	239616	15.3	93.4	0	+∞	Si
47	252414	2	252877	16.1	124.5	424.2	1837	240934	2	242619	15.5	93.4	0	+∞	Si
71	251316	3	252877	16.1	124.5	424.2	1837	241656	2	242619	15.5	93.4	0	+∞	Si
95	240030	3	250014	16.5	124.5	461.7	1837	231778	2	240557	15.9	93.4	0	+∞	Si
106	231385	9	244905	16.8	124.5	508.9	1837	222864	2	236138	16.2	93.4	0	+∞	Si
130	206974	9	228108	18.5	124.5	744.9	1837	197085	2	219349	17.8	93.4	0	+∞	Si
154	171790	8	201965	16.4	124.5	659.5	1837	161238	1	191959	15.6	93.4	0	+∞	Si
177	129185	8	165748	13.5	124.5	541.3	1837	118197	1	155100	12.6	93.4	0	+∞	Si
201	75178	8	121410	9.9	124.5	396.5	1837	64550	1	110447	9	93.4	0	+∞	Si
225	9769	8	65671	5.3	124.5	214.5	1837	296	1	55188	4.5	93.4	0	+∞	Si
225	-20326	2	-88986	7.2	124.5	290.6	1837	-12077	2	-78506	6.4	93.4	0	+∞	Si
248	-101765	2	-179423	14.6	124.5	585.9	1837	-90886	2	-166313	13.5	93.4	0	+∞	Si
272	-193815	2	-280472	18.3	124.5	507.1	1837	-180305	2	-264731	17.3	93.4	0	+∞	Si
284	-243819	2	-334976	21.1	124.5	544	1837	-228994	2	-317920	20.1	93.4	0	+∞	Si
308	-351787	2	-453135	27	124.5	614.6	1837	-334331	2	-432258	25.7	93.4	0	+∞	Si
330	-464892	3	-464892	27.7	124.5	630.5	1837	-443601	2	-443601	26.4	93.4	0	+∞	Si
331	-471819	3	-471750	28.1	124.5	639.8	1837	-450282	2	-450217	26.8	93.4	0	+∞	Si
355	-602936	3	-530941	31.6	124.5	720.1	1837	-576849	2	-507330	30.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
24	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.01	2	9999	Si
47	0.009	0.008	0.007	0.007	0.009	0.008	0.007	0.007	0.008	0.008	0.018	2	0.017	2	9999	Si
71	0.012	0.011	0.01	0.009	0.011	0.011	0.009	0.009	0.011	0.011	0.023	2	0.023	2	9999	Si
95	0.013	0.013	0.011	0.01	0.013	0.013	0.011	0.01	0.013	0.013	0.026	2	0.026	2	9999	Si
106	0.014	0.013	0.011	0.011	0.013	0.013	0.011	0.011	0.013	0.013	0.027	1	0.026	1	9999	Si
118	0.014	0.013	0.011	0.011	0.013	0.013	0.011	0.011	0.013	0.013	0.027	1	0.027	1	9999	Si
130	0.014	0.013	0.011	0.01	0.013	0.013	0.011	0.01	0.013	0.013	0.027	1	0.026	1	9999	Si
154	0.013	0.011	0.011	0.009	0.012	0.011	0.01	0.009	0.012	0.012	0.025	1	0.024	1	9999	Si
177	0.011	0.009	0.009	0.007	0.01	0.009	0.008	0.008	0.01	0.01	0.021	1	0.019	1	9999	Si
201	0.009	0.007	0.007	0.005	0.008	0.007	0.006	0.005	0.008	0.007	0.016	1	0.014	1	9999	Si
225	0.006	0.004	0.004	0.002	0.005	0.004	0.004	0.003	0.005	0.004	0.01	1	0.008	1	9999	Si
248	0.003	0.001	0.002	0	0.003	0.001	0.001	0	0.002	0.001	0.004	1	0.002	1	9999	Si
272	0.001	-0.002	0	-0.002	0	-0.001	-0.001	-0.002	0	-0.001	-0.001	1	-0.003	1	9999	Si
284	0	-0.002	-0.001	-0.003	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	1	-0.005	1	9999	Si
308	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	1	-0.007	1	9999	Si
330	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	1	-0.006	1	9999	Si
331	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
355	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	772	6237	7391	SLV 9	0.39	823	1.061	226629	-816815	-660015	SLV 9	0.39	869	1.085	Si
24	702	6237	7391	SLV 9	0.39	844	1.072	226629	-816815	-660015	SLV 9	0.39	869	1.085	Si
47	254	6237	7391	SLV 9	0.41	990	1.145	231737	-780864	-660015	SLV 9	0.41	984	1.142	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
71	-193	-6237	-10360	SLV 7	0.57	2474	1.666	241446	-663726	-660015	SLV 9	0.49	1559	1.379	Si
95	-641	-6237	-10360	SLV 7	0.55	2251	1.603	240557	-546596	-659934	SLV 9	0.57	2474	1.666	Si
106	-865	-6237	-10360	SLV 7	0.54	2115	1.563	236138	488035	1018636	SLV 7	0.57	2430	1.654	Si
130	-1313	-6237	-10360	SLV 7	0.52	1858	1.482	219349	370929	659306	SLV 7	0.43	1088	1.19	Si
154	-1761	-6237	-10360	SLV 7	0.49	1622	1.402	191959	253865	659306	SLV 7	0.57	2474	1.666	Si
177	-2209	-6237	-10360	SLV 7	0.47	1406	1.322	153965	136953	659306	SLV 7	0.57	2474	1.666	Si
201	-2658	-6237	-10360	SLV 7	0.45	1211	1.243	-1310	-180038	-659306	SLV 7	0.57	2474	1.666	Si
225	-3106	-6237	-10360	SLV 7	0.42	1033	1.165	-78506	-296930	-659306	SLV 7	0.57	2474	1.666	Si
248	-3554	-6237	-10360	SLV 7	0.4	880	1.091	-166313	-413988	-659306	SLV 7	0.43	1100	1.195	Si
272	-4002	-6237	-10360	SLV 7	0.37	745	1.019	-264731	-531092	-1168272	SLV 7	0.57	2474	1.666	Si
284	-4227	-6237	-12892	SLV 7	0.5	1656	1.414	-317920	589653	660043	SLV 9	0.57	2474	1.666	Si
308	-4675	-6237	-12892	SLV 7	0.47	1437	1.334	-390980	666017	660180	SLV 9	0.56	2329	1.626	Si
330	-5098	-6237	-12892	SLV 7	0.45	1249	1.259	-443601	717984	660180	SLV 9	0.55	2171	1.579	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
20	772	2191	7391	SLD 9	0.41	937	2.816	226629	-361463	-660015	SLD 9	0.33	564	2.287	Si
24	702	2191	7391	SLD 9	0.41	960	2.844	226629	-361463	-660015	SLD 9	0.33	564	2.287	Si
47	254	2191	7391	SLD 9	0.44	1143	3.055	231737	-345554	-660015	SLD 9	0.35	638	2.405	Si
71	-193	-2191	-10360	SLD 7	0.6	2474	4.193	241446	-293717	-660015	SLD 9	0.41	972	2.859	Si
95	-641	-2191	-10360	SLD 7	0.58	2474	4.193	240557	-241883	-659934	SLD 9	0.49	1628	3.532	Si
106	-865	-2191	-10360	SLD 7	0.57	2445	4.173	236138	215968	1018636	SLD 7	0.48	1514	3.428	Si
130	-1313	-2191	-10360	SLD 7	0.55	2148	3.957	219349	164145	659306	SLD 7	0.36	699	2.497	Si
154	-1761	-2191	-10360	SLD 7	0.52	1875	3.742	191959	112341	659306	SLD 7	0.55	2191	3.989	Si
177	-2209	-2191	-10360	SLD 7	0.49	1625	3.529	153965	60604	659306	SLD 7	0.6	2474	4.193	Si
201	-2658	-2191	-10360	SLD 7	0.47	1398	3.318	-1310	-79672	-659306	SLD 7	0.6	2474	4.193	Si
225	-3106	-2191	-10360	SLD 7	0.44	1192	3.108	-78506	-131401	-659306	SLD 7	0.58	2474	4.193	Si
248	-3554	-2191	-10360	SLD 7	0.42	1004	2.897	-166313	-183203	-659306	SLD 7	0.36	706	2.507	Si
272	-4002	-2191	-10360	SLD 7	0.39	848	2.703	-264731	-235025	-1168272	SLD 7	0.51	1773	3.658	Si
284	-4227	-2191	-12892	SLD 7	0.52	1914	3.774	-317920	260940	660043	SLD 9	0.5	1657	3.558	Si
308	-4675	-2191	-12892	SLD 7	0.5	1661	3.561	-432258	312773	660180	SLD 9	0.47	1374	3.295	Si
330	-5098	-2191	-12892	SLD 7	0.47	1442	3.36	-443601	317731	660180	SLD 9	0.46	1354	3.275	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" 29A-(2291; 3881)

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x50	Rettangolare	30	50	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 29A - 29B, sezione R 30x50, asta 719

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-751243	SLU 30	-681235	-644450	0.121	No
15	7.6	5.4	11.4	5.4						-614615	SLU 30	-614615	-644450	0.121	Si
23	7.6	5.4	11.4	5.4						-541309	SLU 30	-614615	-644450	0.121	Si
47	7.6	5.4	11.4	5.4						-354487	SLU 36	-513910	-644450	0.121	Si
70	7.6	5.4	11.4	5.4						-198458	SLU 26	-330573	-644450	0.121	Si
93	7.6	5.4	11.4	5.4	-4846	SLU 11	95196	943473	0.135	-69823	SLU 26	-180021	-644450	0.121	Si
105	7.6	5.4	11.4	5.4	52110	SLU 11	156866	943473	0.135	-10296	SLU 26	-115000	-644450	0.121	Si
128	7.6	5.4	11.4	5.4	173749	SLU 29	266175	943473	0.135						Si
152	7.6	5.4	11.4	5.4	280443	SLU 29	356779	943473	0.135						Si
175	7.6	5.4	11.4	5.4	368431	SLU 29	428679	943473	0.135						Si
198	7.6	5.4	11.4	5.4	437714	SLU 29	481873	943473	0.135						Si
222	7.6	5.4	11.4	5.4	488292	SLU 29	516362	943473	0.135						Si
245	7.6	5.4	11.4	5.4	520165	SLU 29	532443	943473	0.135						Si
268	7.6	5.4	11.4	5.4	533681	SLU 30	533681	943473	0.135						Si
280	7.6	5.4	11.4	5.4	533422	SLU 30	533681	943473	0.135						Si
303	7.6	5.4	11.4	5.4	527524	SLU 36	527524	943473	0.135						Si
327	7.6	5.4	11.4	5.4	532990	SLU 26	527835	943473	0.135						Si
350	7.6	5.4	11.4	5.4	545825	SLU 26	528861	943473	0.135						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	205189	SLV 15	204726	943473	0.135	-1291018	SLV 1	-1192837	-644450	0.121	No
15	7.6	5.4	11.4	5.4	201978	SLV 15	201978	943473	0.135	-1096876	SLV 1	-1096876	-644450	0.121	No
23	7.6	5.4	11.4	5.4	198471	SLV 15	201978	943473	0.135	-990751	SLV 1	-1096876	-644450	0.121	No
47	7.6	5.4	11.4	5.4	179363	SLV 15	196231	943473	0.135	-702975	SLV 1	-950066	-644450	0.121	No
70	7.6	5.4	11.4	5.4	148002	SLV 15	175399	943473	0.135	-427824	SLV 1	-664045	-644450	0.121	No
93	7.6	5.4	11.4	5.4	108141	SLV 13	142412	943473	0.135	-169054	SLV 3	-390748	-644450	0.121	Si
105	7.6	5.4	11.4	5.4	101318	SLV 13	220128	943473	0.135	-62107	SLV 3	-257115	-644450	0.121	Si
128	7.6	5.4	11.4	5.4	249357	SLV 5	419387	943473	0.135	-28556	SLV 11	-62923	-644450	0.121	Si
152	7.6	5.4	11.4	5.4	446556	SLV 5	628350	943473	0.135	-69044	SLV 11	-136576	-644450	0.121	Si
175	7.6	5.4	11.4	5.4	658595	SLV 1	837046	943473	0.135	-149253	SLV 15	-234842	-644450	0.121	Si
198	7.6	5.4	11.4	5.4	865557	SLV 1	1033330	943473	0.135	-249265	SLV 15	-345575	-644450	0.121	No
222	7.6	5.4	11.4	5.4	1060104	SLV 1	1217187	943473	0.135	-361741	SLV 15	-468761	-644450	0.121	No

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
245	7.6	5.4	11.4	5.4	1242223	SLV 1	1388611	943473	0.135	-486669	SLV 15	-604395	-644450	0.121	No
268	7.6	5.4	11.4	5.4	1411908	SLV 1	1492081	943473	0.135	-624043	SLV 15	-697404	-644450	0.121	No
280	7.6	5.4	11.4	5.4	1492081	SLV 1	1492081	943473	0.135	-697404	SLV 15	-697404	-644450	0.121	No
303	7.6	5.4	11.4	5.4	1647738	SLV 1	1622822	943473	0.135	-848819	SLV 15	-822575	-644450	0.121	No
327	7.6	5.4	11.4	5.4	1801354	SLV 1	1701266	943473	0.135	-1002279	SLV 15	-897679	-644450	0.121	No
350	7.6	5.4	11.4	5.4	1952930	SLV 1	1727414	943473	0.135	-1157783	SLV 15	-922713	-644450	0.121	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-873957	SLD 1	-803272	-644450	0.121	No
15	7.6	5.4	11.4	5.4						-734826	SLD 1	-734826	-644450	0.121	No
23	7.6	5.4	11.4	5.4						-659261	SLD 1	-734826	-644450	0.121	No
47	7.6	5.4	11.4	5.4						-457026	SLD 1	-630540	-644450	0.121	Si
70	7.6	5.4	11.4	5.4	-12508	SLD 15	21789	943473	0.135	-267314	SLD 1	-430053	-644450	0.121	Si
93	7.6	5.4	11.4	5.4	30873	SLD 13	87823	943473	0.135	-91786	SLD 3	-242131	-644450	0.121	Si
105	7.6	5.4	11.4	5.4	55763	SLD 13	152121	943473	0.135	-16551	SLD 3	-152105	-644450	0.121	Si
128	7.6	5.4	11.4	5.4	171892	SLD 5	284948	943473	0.135						Si
152	7.6	5.4	11.4	5.4	302837	SLD 5	415133	943473	0.135						Si
175	7.6	5.4	11.4	5.4	433414	SLD 1	538265	943473	0.135						Si
198	7.6	5.4	11.4	5.4	554809	SLD 1	648970	943473	0.135						Si
222	7.6	5.4	11.4	5.4	663775	SLD 1	747240	943473	0.135						Si
245	7.6	5.4	11.4	5.4	760306	SLD 1	833074	943473	0.135	-4752	SLD 15	-48858	-644450	0.121	Si
268	7.6	5.4	11.4	5.4	844400	SLD 1	881777	943473	0.135	-56535	SLD 15	-87099	-644450	0.121	Si
280	7.6	5.4	11.4	5.4	881777	SLD 1	881777	943473	0.135	-87099	SLD 15	-87099	-644450	0.121	Si
303	7.6	5.4	11.4	5.4	951839	SLD 1	941183	943473	0.135	-152920	SLD 15	-140937	-644450	0.121	Si
327	7.6	5.4	11.4	5.4	1019859	SLD 1	976827	943473	0.135	-220784	SLD 15	-173239	-644450	0.121	No
350	7.6	5.4	11.4	5.4	1085839	SLD 1	988708	943473	0.135	-290691	SLD 15	-184007	-644450	0.121	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	9395	SLU 30	9395	6102	35398	0	6102	1	Si
15	0.201	7.6	0	8883	SLU 30	8883	6102	35398	16115	16115	1	Si
23	0.201	7.6	0	8596	SLU 30	8596	6102	35398	16115	16115	1	Si
47	0.201	7.6	0	7795	SLU 30	7795	6102	35398	16115	16115	1	Si
70	0.171	7.6	0	6993	SLU 30	6993	6102	35398	13674	13674	1	Si
93	0.171	7.6	0	6191	SLU 30	6191	6102	35398	13674	13674	1	Si
105	0.171	11.4	0	5791	SLU 30	5791	6985	35398	13674	13674	1	Si
128	0.171	11.4	0	4989	SLU 30	4989	6985	35398	13674	13674	1	Si
152	0.171	11.4	0	4187	SLU 30	4187	6985	35398	13674	13674	1	Si
175	0.171	11.4	0	3411	SLU 36	3411	6985	35398	13674	13674	1	Si
198	0.171	11.4	0	2775	SLU 26	2775	6985	35398	13674	13674	1	Si
222	0.171	11.4	0	2228	SLU 26	2228	6985	35398	13674	13674	1	Si
245	0.121	11.4	0	1680	SLU 26	1680	6985	35398	9669	9669	1	Si
268	0.121	11.4	0	1133	SLU 26	1133	6985	35398	9669	9669	1	Si
268	0.121	11.4	0	-146	SLU 11	-146	-6985	-35398	-9669	-9669	1	Si
280	0.121	11.4	0	843	SLU 26	843	6985	35398	9669	9669	1	Si
280	0.121	11.4	0	-514	SLU 11	-514	-6985	-35398	-9669	-9669	1	Si
303	0	11.4	0	721	SLU 26	721	6985	35398	0	6985	1	Si
303	0	11.4	0	-613	SLU 11	-613	-6985	-35398	0	-6985	1	Si
327	0	11.4	0	607	SLU 26	607	6985	35398	0	6985	1	Si
327	0	11.4	0	-701	SLU 11	-701	-6985	-35398	0	-6985	1	Si
350	0	11.4	0	493	SLU 26	493	6985	35398	0	6985	1	Si
350	0	11.4	0	-788	SLU 11	-788	-6985	-35398	0	-6985	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	13136	SLV 1	14847	6102	35398	0	6102	1	Si
0	0	11.4	0	-26	SLV 15	-1737	-6985	-35398	0	-6985	1	Si
15	0.201	7.6	0	12795	SLV 1	14506	6102	35398	16115	16115	1	Si
15	0.201	11.4	0	-366	SLV 15	-2077	-6985	-35398	-16115	-16115	1	Si
23	0.201	7.6	0	12604	SLV 1	14315	6102	35398	16115	16115	1	Si
23	0.201	11.4	0	-557	SLV 15	-2268	-6985	-35398	-16115	-16115	1	Si
47	0.201	7.6	0	12071	SLV 1	13782	6102	35398	16115	16115	1	Si
47	0.201	11.4	0	-1090	SLV 15	-2801	-6985	-35398	-16115	-16115	1	Si
70	0.171	7.6	0	11538	SLV 1	13249	6102	35398	13674	13674	1	Si
70	0.171	11.4	0	-1623	SLV 15	-3334	-6985	-35398	-13674	-13674	1	Si
93	0.171	7.6	0	11005	SLV 1	12716	6102	35398	13674	13674	1	Si
93	0.171	11.4	0	-2156	SLV 15	-3867	-6985	-35398	-13674	-13674	1	Si
105	0.171	7.6	0	10738	SLV 1	12449	6102	35398	13674	13674	1	Si
105	0.171	11.4	0	-2423	SLV 15	-4134	-6985	-35398	-13674	-13674	1	Si
128	0.171	11.4	0	10205	SLV 1	11916	6985	35398	13674	13674	1	Si
128	0.171	11.4	0	-2956	SLV 15	-4667	-6985	-35398	-13674	-13674	1	Si
152	0.171	11.4	0	9672	SLV 1	11383	6985	35398	13674	13674	1	Si
152	0.171	7.6	0	-3489	SLV 15	-5200	-6102	-35398	-13674	-13674	1	Si
175	0.171	11.4	0	9139	SLV 1	10850	6985	35398	13674	13674	1	Si
175	0.171	7.6	0	-4022	SLV 15	-5733	-6102	-35398	-13674	-13674	1	Si
198	0.171	11.4	0	8606	SLV 1	10317	6985	35398	13674	13674	1	Si
198	0.171	7.6	0	-4555	SLV 15	-6266	-6102	-35398	-13674	-13674	1	Si
222	0.171	11.4	0	8073	SLV 1	9784	6985	35398	13674	13674	1	Si
222	0.171	7.6	0	-5089	SLV 15	-6799	-6102	-35398	-13674	-13674	1	Si
245	0.121	11.4	0	7540	SLV 1	9251	6985	35398	9669	9669	1	Si
245	0.121	7.6	0	-5622	SLV 15	-7333	-6102	-35398	-9669	-9669	1	Si
268	0.121	11.4	0	7006	SLV 1	8717	6985	35398	9669	9669	1	Si
268	0.121	7.6	0	-6155	SLV 15	-7866	-6102	-35398	-9669	-9669	1	Si
280	0.121	11.4	0	6724	SLV 1	8435	6985	35398	9669	9669	1	Si
280	0.121	7.6	0	-6437	SLV 15	-8148	-6102	-35398	-9669	-9669	1	Si
303	0	11.4	0	6628	SLV 1	8339	6985	35398	0	6985	1	Si
303	0	7.6	0	-6534	SLV 15	-8244	-6102	-35398	0	-6102	1	Si
327	0	11.4	0	6540	SLV 1	8251	6985	35398	0	6985	1	Si
327	0	7.6	0	-6621	SLV 15	-8332	-6102	-35398	0	-6102	1	Si
350	0	11.4	0	6453	SLV 1	8164	6985	35398	0	6985	1	Si
350	0	7.6	0	-6709	SLV 15	-8419	-6102	-35398	0	-6102	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	9467	SLD 1	9467	6102	35398	0	6102	1	Si
15	0.201	7.6	0	9126	SLD 1	9126	6102	35398	16115	16115	1	Si
23	0.201	7.6	0	8936	SLD 1	8936	6102	35398	16115	16115	1	Si
47	0.201	7.6	0	8403	SLD 1	8403	6102	35398	16115	16115	1	Si
70	0.171	7.6	0	7869	SLD 1	7869	6102	35398	13674	13674	1	Si
93	0.171	7.6	0	7336	SLD 1	7336	6102	35398	13674	13674	1	Si
105	0.171	7.6	0	7070	SLD 1	7070	6102	35398	13674	13674	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
128	0.171	11.4	0	6537	SLD 1	6537	6985	35398	13674	13674	1	Si
152	0.171	11.4	0	6003	SLD 1	6003	6985	35398	13674	13674	1	Si
175	0.171	11.4	0	5470	SLD 1	5470	6985	35398	13674	13674	1	Si
175	0.171	11.4	0	-354	SLD 15	-354	-6985	-35398	-13674	-13674	1	Si
198	0.171	11.4	0	4937	SLD 1	4937	6985	35398	13674	13674	1	Si
198	0.171	11.4	0	-887	SLD 15	-887	-6985	-35398	-13674	-13674	1	Si
222	0.171	11.4	0	4404	SLD 1	4404	6985	35398	13674	13674	1	Si
222	0.171	11.4	0	-1420	SLD 15	-1420	-6985	-35398	-13674	-13674	1	Si
245	0.121	11.4	0	3871	SLD 1	3871	6985	35398	9669	9669	1	Si
245	0.121	7.6	0	-1953	SLD 15	-1953	-6102	-35398	-9669	-9669	1	Si
268	0.121	11.4	0	3338	SLD 1	3338	6985	35398	9669	9669	1	Si
268	0.121	7.6	0	-2486	SLD 15	-2486	-6102	-35398	-9669	-9669	1	Si
280	0.121	11.4	0	3055	SLD 1	3055	6985	35398	9669	9669	1	Si
280	0.121	7.6	0	-2769	SLD 15	-2769	-6102	-35398	-9669	-9669	1	Si
303	0	11.4	0	2959	SLD 1	2959	6985	35398	0	6985	1	Si
303	0	7.6	0	-2865	SLD 15	-2865	-6102	-35398	0	-6102	1	Si
327	0	11.4	0	2872	SLD 1	2872	6985	35398	0	6985	1	Si
327	0	7.6	0	-2952	SLD 15	-2952	-6102	-35398	0	-6102	1	Si
350	0	11.4	0	2784	SLD 1	2784	6985	35398	0	6985	1	Si
350	0	7.6	0	-3040	SLD 15	-3040	-6102	-35398	0	-6102	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-563622	3	-511802	44.5	124.5	1683.8	1837	-542914	2	-494055	42.9	93.4	0	+∞	Si
15	-462444	3	-462444	40.2	124.5	1521.5	1837	-447449	2	-447449	38.9	93.4	0	+∞	Si
23	-408121	3	-462444	40.2	124.5	1521.5	1837	-396140	2	-447449	38.9	93.4	0	+∞	Si
47	-269149	9	-387799	33.7	124.5	1275.9	1837	-261806	2	-376918	32.7	93.4	0	+∞	Si
70	-151482	8	-251307	21.8	124.5	826.8	1837	-145676	1	-244323	21.2	93.4	0	+∞	Si
93	-48621	8	-136722	11.9	124.5	449.8	1837	-43767	1	-131049	11.4	93.4	0	+∞	Si
105	30563	2	111977	9.1	124.5	249.8	1837	19606	2	98137	8	93.4	0	+∞	Si
105	-1208	8	-84701	7.4	124.5	278.7	1837								Si
128	124662	2	194384	15.9	124.5	433.7	1837	110401	2	178232	14.5	93.4	0	+∞	Si
152	205169	2	263201	21.5	124.5	587.2	1837	188756	2	245887	20.1	93.4	0	+∞	Si
175	272084	2	318426	26	124.5	710.4	1837	254671	2	301102	24.6	93.4	0	+∞	Si
198	325409	2	360060	29.4	124.5	803.3	1837	308146	2	343877	28	93.4	0	+∞	Si
222	365141	2	388102	31.7	124.5	865.9	1837	349182	2	374213	30.5	93.4	0	+∞	Si
245	391283	2	402751	32.8	124.5	898.6	1837	377777	2	392108	32	93.4	0	+∞	Si
268	404065	3	405357	33.1	124.5	904.4	1837	393933	2	397339	32.4	93.4	0	+∞	Si
280	405357	3	405357	33.1	124.5	904.4	1837	397339	2	397339	32.4	93.4	0	+∞	Si
303	403890	9	403890	32.9	124.5	901.1	1837	399459	2	399459	32.6	93.4	0	+∞	Si
327	407153	8	403919	32.9	124.5	901.2	1837	402483	1	399883	32.6	93.4	0	+∞	Si
350	413364	8	405833	33.1	124.5	905.5	1837	407742	1	401639	32.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.001	0	0	0	0.001	0	0	0	0.001	0	-0.001	2	-0.001	2	9999	Si
23	0.002	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0	2	9999	Si
47	0.006	0.004	0.004	0.002	0.005	0.004	0.004	0.003	0.005	0.004	0.008	2	0.006	2	9999	Si
70	0.011	0.008	0.009	0.006	0.01	0.008	0.008	0.006	0.01	0.008	0.019	2	0.015	2	9999	Si
93	0.017	0.013	0.014	0.011	0.016	0.014	0.013	0.011	0.016	0.014	0.031	2	0.026	2	9999	Si
105	0.021	0.016	0.017	0.013	0.019	0.016	0.016	0.013	0.019	0.016	0.038	2	0.032	2	9238	Si
128	0.027	0.022	0.022	0.018	0.025	0.022	0.021	0.018	0.025	0.022	0.051	2	0.043	2	6929	Si
152	0.032	0.026	0.027	0.022	0.03	0.027	0.025	0.022	0.03	0.027	0.062	2	0.053	2	5662	Si
175	0.036	0.03	0.03	0.026	0.034	0.031	0.029	0.026	0.034	0.031	0.071	2	0.062	2	4940	Si
198	0.038	0.033	0.033	0.028	0.037	0.033	0.031	0.028	0.036	0.033	0.077	2	0.067	2	4556	Si
222	0.039	0.033	0.033	0.029	0.037	0.034	0.032	0.029	0.037	0.034	0.079	2	0.069	2	4425	Si
245	0.037	0.032	0.032	0.028	0.035	0.032	0.031	0.028	0.035	0.032	0.077	2	0.068	2	4537	Si
268	0.032	0.028	0.029	0.025	0.031	0.029	0.028	0.025	0.031	0.029	0.071	2	0.062	2	4958	Si
280	0.029	0.026	0.026	0.023	0.028	0.026	0.025	0.023	0.028	0.026	0.065	2	0.057	2	5366	Si
303	0.021	0.019	0.02	0.018	0.02	0.019	0.019	0.018	0.02	0.019	0.05	2	0.044	2	7030	Si
327	0.011	0.01	0.011	0.01	0.01	0.01	0.011	0.01	0.01	0.01	0.028	2	0.025	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	6214	8292	16115	SLV 1	0.43	1108	1.199	-447449	-649427	-644450	SLV 1	0.12	57	0.355	No
23	6024	8292	16115	SLV 1	0.44	1165	1.224	-447449	-649427	-644450	SLV 1	0.12	57	0.355	No
47	5491	8292	16115	SLV 1	0.46	1335	1.294	-376918	-573148	-644450	SLV 1	0.18	132	0.501	No
70	4957	8292	13674	SLV 1	0.38	804	1.051	-244323	-419722	-644450	SLV 1	0.35	634	0.954	No
93	4424	8292	13674	SLV 1	0.4	929	1.115	-124168	-266580	-644450	SLV 1	0.57	2474	1.666	Si
105	4158	8292	13674	SLV 1	0.42	997	1.148	-68756	-188359	-644450	SLV 1	0.57	2474	1.666	Si
128	3625	8292	13674	SLV 1	0.44	1152	1.218	178232	241155	943473	SLV 5	0.57	2474	1.666	Si
152	3092	8292	13674	SLV 1	0.46	1321	1.288	245887	382463	943473	SLV 1	0.57	2474	1.666	Si
175	2558	8292	13674	SLV 1	0.48	1505	1.359	301102	535944	943473	SLV 1	0.43	1119	1.204	Si
198	2025	8292	13674	SLV 1	0.5	1706	1.431	343877	689452	943473	SLV 1	0.32	508	0.871	No
222	1492	8292	13674	SLV 1	0.52	1923	1.503	374213	842974	943473	SLV 1	0.25	291	0.693	No
245	959	8292	9669	SLV 1	0.38	802	1.05	392108	996503	943473	SLV 1	0.21	189	0.581	No
268	426	8292	9669	SLV 1	0.4	927	1.114	397339	1094742	943473	SLV 1	0.19	152	0.531	No
280	143	8292	9669	SLV 1	0.42	1000	1.149	397339	1094742	943473	SLV 1	0.19	152	0.531	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	6214	2912	16115	SLD 1	0.45	1279	3.199	-447449	-287377	-644450	SLD 1	0.1	39	0.765	No
23	6024	2912	16115	SLD 1	0.46	1345	3.266	-447449	-287377	-644450	SLD 1	0.1	39	0.765	No
47	5491	2912	16115	SLD 1	0.49	1542	3.454	-376918	-253623	-644450	SLD 1	0.15	92	1.087	Si
70	4957	2912	13674	SLD 1	0.4	915	2.789	-244323	-185730	-644450	SLD 1	0.29	418	2.023	Si
93	4424	2912	13674	SLD 1	0.43	1067	2.97	-124168	-117963	-644450	SLD 1	0.58	2474	4.193	Si
105	4158	2912	13674	SLD 1	0.44	1152	3.065	-68756	-83349	-644450	SLD 1	0.6	2474	4.193	Si
128	3625	2912	13674	SLD 1	0.46	1330	3.251	178232	106716	943473	SLD 5	0.6	2474	4.193	Si
152	3092	2912	13674	SLD 1	0.48	1526	3.439	245887	169246	943473	SLD 1	0.54	2138	3.949	Si
175	2558	2912	13674	SLD 1	0.51	1740	3.63	301102	237163	943473	SLD 1	0.37	717	2.523	Si
198	2025	2912	13674	SLD 1	0.53	1972	3.821	343877	305092	943473	SLD 1	0.27	343	1.865	Si
222	1492	2912	13674	SLD 1	0.55	2223	4.013	374213	373027	943473	SLD 1	0.21	196	1.483	Si
245	959	2912	9669	SLD 1	0.4	913	2.786	392108	440966	943473	SLD 1	0.17	130	1.253	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
268	426	2912	9669	SLD 1	0.43	1065	2.968	397339	484438	943473	SLD 1	0.16	105	1.148	Si
280	143	2912	9669	SLD 1	0.44	1154	3.067	397339	484438	943473	SLD 1	0.16	105	1.148	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" 36A-(2281; 3566)

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 36A - 36B, sezione R 45x70, asta 707

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	19.01	5.4						-703738	SLU 30	-613784	-3222510	0.102	Si
22	26.61	5.4	19.01	5.4						-523634	SLU 30	-523634	-3222510	0.102	Si
23	26.61	5.4	19.01	5.4						-520124	SLU 30	-520124	-3222510	0.102	Si
44	26.61	5.4	19.01	5.4						-361149	SLU 30	-520124	-3222510	0.102	Si
66	26.61	5.4	19.01	5.4						-221699	SLU 36	-411603	-3222510	0.102	Si
88	26.61	5.4	19.01	5.4	-61418	SLU 11	57901	2322404	0.09	-116621	SLU 26	-263929	-3222510	0.102	Si
99	26.61	5.4	19.01	5.4	-12938	SLU 11	98900	2322404	0.09	-74907	SLU 26	-199269	-3222510	0.102	Si
121	23.86	5.4	19.01	5.4	72705	SLU 11	176302	2322514	0.091	-948	SLU 26	-101535	-2897444	0.098	Si
143	19.71	5.4	19.01	5.4	154025	SLU 29	236049	2322770	0.092	49614	SLU 8	-23546	-2405704	0.093	Si
165	11.4	5.4	17.33	5.4	219408	SLU 29	278132	2125445	0.094						Si
187	11.4	5.4	11.4	5.4	267129	SLU 29	302546	1422094	0.084						Si
209	11.4	5.4	11.4	5.4	297184	SLU 29	309565	1422094	0.084						Si
231	11.4	5.4	11.4	5.4	309565	SLU 29	309565	1422094	0.084						Si
253	11.4	5.4	11.4	5.4	304267	SLU 29	309565	1422094	0.084						Si
264	11.4	5.4	11.4	5.4	294986	SLU 29	309407	1422094	0.084						Si
286	11.4	5.4	11.4	5.4	263157	SLU 29	300911	1422094	0.084						Si
308	11.4	5.4	11.4	5.4	214766	SLU 29	275490	1422094	0.084						Si
309	11.4	5.4	11.4	5.4	213631	SLU 29	213470	1422094	0.084						Si
331	11.4	5.4	11.4	5.4	146404	SLU 29	146404	1422094	0.084						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	19.01	5.4	2167199	SLV 15	2135067	2322404	0.09	-3149563	SLV 1	-2995387	-3222510	0.102	Si
22	26.61	5.4	19.01	5.4	2092457	SLV 15	2092457	2322404	0.09	-2830415	SLV 1	-2830415	-3222510	0.102	Si
23	26.61	5.4	19.01	5.4	2090698	SLV 15	2090698	2322404	0.09	-2823891	SLV 1	-2823891	-3222510	0.102	Si
44	26.61	5.4	19.01	5.4	2005813	SLV 15	2090698	2322404	0.09	-2523178	SLV 1	-2823891	-3222510	0.102	Si
66	26.61	5.4	19.01	5.4	1907265	SLV 15	2034417	2322404	0.09	-2227857	SLV 1	-2620288	-3222510	0.102	Si
88	26.61	5.4	19.01	5.4	1796810	SLV 15	1939669	2322404	0.09	-1944459	SLV 1	-2321164	-3222510	0.102	Si
99	26.61	5.4	19.01	5.4	1737116	SLV 15	1887830	2322404	0.09	-1807232	SLV 1	-2176071	-3222510	0.102	Si
121	23.86	5.4	19.01	5.4	1608797	SLV 15	1775221	2322514	0.091	-1541730	SLV 1	-1894829	-2897444	0.098	Si
143	19.71	5.4	19.01	5.4	1468569	SLV 15	1650703	2322770	0.092	-1288169	SLV 1	-1625518	-2405704	0.093	Si
165	11.4	5.4	17.33	5.4	1316435	SLV 15	1514276	2125445	0.094	-1046561	SLV 1	-1368145	-1422107	0.084	Si
187	11.4	5.4	11.4	5.4	1152404	SLV 15	1365941	1422094	0.084	-816922	SLV 1	-1122720	-1422094	0.084	Si
209	11.4	5.4	11.4	5.4	976496	SLV 15	1205707	1422094	0.084	-599281	SLV 1	-889260	-1422094	0.084	Si
231	11.4	5.4	11.4	5.4	788758	SLV 15	1033587	1422094	0.084	-393693	SLV 1	-667786	-1422094	0.084	Si
253	11.4	5.4	11.4	5.4	589328	SLV 15	849619	1422094	0.084	-200305	SLV 1	-458345	-1422094	0.084	Si
264	11.4	5.4	11.4	5.4	485361	SLV 15	753218	1422094	0.084	-108321	SLV 1	-358165	-1422094	0.084	Si
286	11.4	5.4	11.4	5.4	270913	SLV 15	551727	1422094	0.084	64232	SLV 1	-167038	-1422094	0.084	Si
308	11.4	5.4	11.4	5.4	251667	SLV 3	344337	1422094	0.084						Si
309	11.4	5.4	11.4	5.4	254157	SLV 3	254157	1422094	0.084						Si
331	11.4	5.4	11.4	5.4	393378	SLV 3	328729	1422094	0.084	-213768	SLV 13	-100218	-1422094	0.084	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	19.01	5.4	685233	SLD 15	685233	2322404	0.09	-1667597	SLD 1	-1565350	-3222510	0.102	Si
22	26.61	5.4	19.01	5.4	720281	SLD 15	720186	2322404	0.09	-1458239	SLD 1	-1458239	-3222510	0.102	Si
23	26.61	5.4	19.01	5.4	720830	SLD 15	748260	2322404	0.09	-1454024	SLD 1	-1454024	-3222510	0.102	Si
44	26.61	5.4	19.01	5.4	743424	SLD 15	755395	2322404	0.09	-1260789	SLD 1	-1454024	-3222510	0.102	Si
66	26.61	5.4	19.01	5.4	754660	SLD 15	755811	2322404	0.09	-1075252	SLD 1	-1322858	-3222510	0.102	Si
88	26.61	5.4	19.01	5.4	753984	SLD 15	755811	2322404	0.09	-901633	SLD 1	-1133519	-3222510	0.102	Si
99	26.61	5.4	19.01	5.4	749178	SLD 15	755811	2322404	0.09	-819295	SLD 1	-1043318	-3222510	0.102	Si
121	23.86	5.4	19.01	5.4	730630	SLD 15	752246	2322514	0.091	-663563	SLD 1	-871855	-2897444	0.098	Si
143	19.71	5.4	19.01	5.4	700163	SLD 15	737501	2322770	0.092	-519763	SLD 1	-712316	-2405704	0.093	Si
165	11.4	5.4	17.33	5.4	657777	SLD 15	710838	2125445	0.094	-387903	SLD 1	-564707	-1422107	0.084	Si
187	11.4	5.4	11.4	5.4	603474	SLD 15	672257	1422094	0.084	-267992	SLD 1	-429036	-1422094	0.084	Si
209	11.4	5.4	11.4	5.4	537260	SLD 15	621757	1422094	0.084	-160044	SLD 1	-305310	-1422094	0.084	Si
231	11.4	5.4	11.4	5.4	459152	SLD 15	559343	1422094	0.084	-64087	SLD 1	-193543	-1422094	0.084	Si
253	11.4	5.4	11.4	5.4	369209	SLD 15	485029	1422094	0.084	19814	SLD 1	-93756	-1422094	0.084	Si
264	11.4	5.4	11.4	5.4	319855	SLD 15	443420	1422094	0.084	57185	SLD 1	-48368	-1422094	0.084	Si
286	11.4	5.4	11.4	5.4	213238	SLD 15	351359	1422094	0.084						Si
308	11.4	5.4	11.4	5.4	186822	SLD 3	250290	1422094	0.084						Si
309	11.4	5.4	11.4	5.4	187509	SLD 3	187509	1422094	0.084						Si
331	11.4	5.4	11.4	5.4	224138	SLD 3	209125	1422094	0.084	-44529	SLD 13	-24218	-1422094	0.084	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	9190	SLU 30	9190	14486	76908	0	14486	1	Si
22	0	26.61	0	8343	SLU 30	8343	14486	76908	0	14486	1	Si
23	0.158	26.61	0	8325	SLU 30	8325	14486	76908	18340	18340	1	Si
44	0.158	25.94	0	7485	SLU 30	7485	14363	76908	18340	18340	1	Si
66	0.158	21.78	0	6626	SLU 30	6626	13551	76908	18340	18340	1	Si
88	0.158	17.63	0	5767	SLU 30	5767	12629	76908	18340	18340	1	Si
99	0.138	11.4	0	5338	SLU 30	5338	10922	76908	16037	16037	1	Si
121	0.138	11.4	0	4478	SLU 30	4478	10922	76908	16037	16037	1	Si
143	0.138	11.4	0	3619	SLU 30	3619	10922	76908	16037	16037	1	Si
165	0.138	11.4	0	2759	SLU 30	2759	10922	76908	16037	16037	1	Si
187	0.138	11.4	0	1898	SLU 30	1898	10922	76908	16037	16037	1	Si
209	0.138	11.4	0	1038	SLU 30	1038	10922	76908	16037	16037	1	Si
231	0.138	11.4	0	218	SLU 26	218	10922	76908	16037	16037	1	Si
253	0.129	11.4	0	-689	SLU 29	-689	-10922	-76908	-15005	-15005	1	Si
264	0.129	11.4	0	-1119	SLU 29	-1119	-10922	-76908	-15005	-15005	1	Si
286	0.129	11.4	0	-1981	SLU 29	-1981	-10922	-76908	-15005	-15005	1	Si
308	0.129	11.4	0	-2825	SLU 29	-2825	-10922	-76908	-15005	-15005	1	Si
309	0	11.4	0	-2843	SLU 29	-2843	-10922	-76908	0	-10922	1	Si
331	0	11.4	0	-3711	SLU 29	-3711	-10922	-76908	0	-10922	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	15829	SLV 1	18323	14486	76908	0	14486	1	Si
0	0	19.01	0	-3359	SLV 15	-5854	-12949	-76908	0	-12949	1	Si
22	0	26.61	0	15256	SLV 1	17751	14486	76908	0	14486	1	Si
22	0	19.01	0	-3932	SLV 15	-6426	-12949	-76908	0	-12949	1	Si
23	0.158	26.61	0	15244	SLV 1	17738	14486	76908	18340	18340	1	Si
23	0.158	19.01	0	-3944	SLV 15	-6438	-12949	-76908	-18340	-18340	1	Si
44	0.158	25.94	0	14676	SLV 1	17171	14363	76908	18340	18340	1	Si
44	0.158	19.01	0	-4512	SLV 15	-7006	-12949	-76908	-18340	-18340	1	Si
66	0.158	21.78	0	14096	SLV 1	16590	13551	76908	18340	18340	1	Si
66	0.158	19.01	0	-5092	SLV 15	-7586	-12949	-76908	-18340	-18340	1	Si
88	0.158	17.63	0	13516	SLV 1	16010	12629	76908	18340	18340	1	Si
88	0.158	18.82	0	-5672	SLV 15	-8167	-12906	-76908	-18340	-18340	1	Si
99	0.138	11.4	0	13225	SLV 1	15720	10922	76908	16037	16037	1	Si
99	0.138	17.33	0	-5963	SLV 15	-8457	-12558	-76908	-16037	-16037	1	Si
121	0.138	11.4	0	12644	SLV 1	15139	10922	76908	16037	16037	1	Si
121	0.138	11.4	0	-6543	SLV 15	-9038	-10922	-76908	-16037	-16037	1	Si
143	0.138	11.4	0	12064	SLV 1	14558	10922	76908	16037	16037	1	Si
143	0.138	11.4	0	-7124	SLV 15	-9619	-10922	-76908	-16037	-16037	1	Si
165	0.138	11.4	0	11482	SLV 1	13977	10922	76908	16037	16037	1	Si
165	0.138	11.4	0	-7706	SLV 15	-10200	-10922	-76908	-16037	-16037	1	Si
187	0.138	11.4	0	10901	SLV 1	13396	10922	76908	16037	16037	1	Si
187	0.138	11.4	0	-8287	SLV 15	-10781	-10922	-76908	-16037	-16037	1	Si
209	0.138	11.4	0	10320	SLV 1	12814	10922	76908	16037	16037	1	Si
209	0.138	11.4	0	-8868	SLV 15	-11363	-10922	-76908	-16037	-16037	1	Si
231	0.138	11.4	0	9738	SLV 1	12232	10922	76908	16037	16037	1	Si
231	0.138	11.4	0	-9450	SLV 15	-11945	-10922	-76908	-16037	-16037	1	Si
253	0.129	11.4	0	9156	SLV 1	11650	10922	76908	15005	15005	1	Si
253	0.129	11.4	0	-10032	SLV 15	-12527	-10922	-76908	-15005	-15005	1	Si
264	0.129	11.4	0	8865	SLV 1	11359	10922	76908	15005	15005	1	Si
264	0.129	11.4	0	-10323	SLV 15	-12818	-10922	-76908	-15005	-15005	1	Si
286	0.129	11.4	0	8283	SLV 1	10777	10922	76908	15005	15005	1	Si
286	0.129	11.4	0	-10905	SLV 15	-13400	-10922	-76908	-15005	-15005	1	Si
308	0.129	11.4	0	7712	SLV 1	10207	10922	76908	15005	15005	1	Si
308	0.129	11.4	0	-11476	SLV 15	-13970	-10922	-76908	-15005	-15005	1	Si
309	0	11.4	0	7700	SLV 1	10195	10922	76908	0	10922	1	Si
309	0	11.4	0	-11488	SLV 15	-13982	-10922	-76908	0	-10922	1	Si
331	0	11.4	0	7114	SLV 1	9609	10922	76908	0	10922	1	Si
331	0	11.4	0	-12074	SLV 15	-14568	-10922	-76908	0	-10922	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	10480	SLD 1	10480	14486	76908	0	14486	1	Si
22	0	26.61	0	9908	SLD 1	9908	14486	76908	0	14486	1	Si
23	0.158	26.61	0	9896	SLD 1	9896	14486	76908	18340	18340	1	Si
44	0.158	25.94	0	9328	SLD 1	9328	14363	76908	18340	18340	1	Si
66	0.158	21.78	0	8748	SLD 1	8748	13551	76908	18340	18340	1	Si
88	0.158	17.63	0	8167	SLD 1	8167	12629	76908	18340	18340	1	Si
88	0.158	18.82	0	-324	SLD 15	-324	-12906	-76908	-18340	-18340	1	Si
99	0.138	11.4	0	7877	SLD 1	7877	10922	76908	16037	16037	1	Si
99	0.138	17.33	0	-614	SLD 15	-614	-12558	-76908	-16037	-16037	1	Si
121	0.138	11.4	0	7296	SLD 1	7296	10922	76908	16037	16037	1	Si
121	0.138	11.4	0	-1195	SLD 15	-1195	-10922	-76908	-16037	-16037	1	Si
143	0.138	11.4	0	6715	SLD 1	6715	10922	76908	16037	16037	1	Si
143	0.138	11.4	0	-1776	SLD 15	-1776	-10922	-76908	-16037	-16037	1	Si
165	0.138	11.4	0	6134	SLD 1	6134	10922	76908	16037	16037	1	Si
165	0.138	11.4	0	-2357	SLD 15	-2357	-10922	-76908	-16037	-16037	1	Si
187	0.138	11.4	0	5553	SLD 1	5553	10922	76908	16037	16037	1	Si
187	0.138	11.4	0	-2939	SLD 15	-2939	-10922	-76908	-16037	-16037	1	Si
209	0.138	11.4	0	4971	SLD 1	4971	10922	76908	16037	16037	1	Si
209	0.138	11.4	0	-3520	SLD 15	-3520	-10922	-76908	-16037	-16037	1	Si
231	0.138	11.4	0	4389	SLD 1	4389	10922	76908	16037	16037	1	Si
231	0.138	11.4	0	-4102	SLD 15	-4102	-10922	-76908	-16037	-16037	1	Si
253	0.129	11.4	0	3808	SLD 1	3808	10922	76908	15005	15005	1	Si
253	0.129	11.4	0	-4684	SLD 15	-4684	-10922	-76908	-15005	-15005	1	Si
264	0.129	11.4	0	3516	SLD 1	3516	10922	76908	15005	15005	1	Si
264	0.129	11.4	0	-4975	SLD 15	-4975	-10922	-76908	-15005	-15005	1	Si
286	0.129	11.4	0	2934	SLD 1	2934	10922	76908	15005	15005	1	Si
286	0.129	11.4	0	-5557	SLD 15	-5557	-10922	-76908	-15005	-15005	1	Si
308	0.129	11.4	0	2364	SLD 1	2364	10922	76908	15005	15005	1	Si
308	0.129	11.4	0	-6127	SLD 15	-6127	-10922	-76908	-15005	-15005	1	Si
309	0	11.4	0	2352	SLD 1	2352	10922	76908	0	10922	1	Si
309	0	11.4	0	-6140	SLD 15	-6140	-10922	-76908	0	-10922	1	Si
331	0	11.4	0	1766	SLD 1	1766	10922	76908	0	10922	1	Si
331	0	11.4	0	-6726	SLD 15	-6726	-10922	-76908	0	-10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara	Quasi permanente	Verifica

	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-520726	3	-454874	10.8	124.5	296.5	1837	-491182	2	-430160	10.2	93.4	0	+∞	Si
22	-388868	3	-388868	9.2	124.5	253.5	1837	-368979	2	-368979	8.8	93.4	0	+∞	Si
23	-386298	3	-386298	9.2	124.5	251.8	1837	-366597	2	-366597	8.7	93.4	0	+∞	Si
44	-269890	3	-386298	9.2	124.5	251.8	1837	-258682	2	-366597	8.7	93.4	0	+∞	Si
66	-167403	9	-306836	7.3	124.5	200	1837	-160296	2	-292935	7	93.4	0	+∞	Si
88	-87545	8	-198504	4.7	124.5	129.4	1837	-81083	1	-190747	4.5	93.4	0	+∞	Si
99	-53147	8	-150881	3.6	124.5	98.4	1837	-46777	1	-144121	3.4	93.4	0	+∞	Si
121	46563	2	123822	3.1	124.5	111.1	1837	33533	2	105431	2.6	93.4	0	+∞	Si
143	107471	2	167706	4.4	124.5	151	1837	90200	2	146360	3.8	93.4	0	+∞	Si
165	155474	2	198678	5.9	124.5	197	1837	134937	2	175354	5.2	93.4	0	+∞	Si
187	190568	2	216735	7.5	124.5	321.7	1837	167741	2	192409	6.6	93.4	0	+∞	Si
209	212748	2	222010	7.7	124.5	329.5	1837	188608	2	197532	6.8	93.4	0	+∞	Si
231	222010	2	222010	7.7	124.5	329.5	1837	197532	2	197532	6.8	93.4	0	+∞	Si
253	218348	2	222010	7.7	124.5	329.5	1837	194511	2	197532	6.8	93.4	0	+∞	Si
264	211669	2	221932	7.6	124.5	329.4	1837	188520	2	197526	6.8	93.4	0	+∞	Si
286	188614	2	215932	7.4	124.5	320.5	1837	167573	2	192345	6.6	93.4	0	+∞	Si
308	153450	2	197557	6.8	124.5	293.2	1837	135424	2	175716	6.1	93.4	0	+∞	Si
309	152625	2	152507	5.3	124.5	226.4	1837	134669	2	134561	4.6	93.4	0	+∞	Si
331	103695	2	103695	3.6	124.5	153.9	1837	89805	2	89805	3.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
23	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
44	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.006	2	0.005	2	9999	Si
66	0.005	0.003	0.005	0.003	0.004	0.003	0.004	0.003	0.004	0.003	0.01	2	0.008	2	9999	Si
88	0.007	0.004	0.007	0.004	0.006	0.004	0.006	0.005	0.006	0.004	0.015	2	0.012	2	9999	Si
99	0.008	0.005	0.008	0.005	0.007	0.005	0.007	0.005	0.007	0.005	0.017	2	0.014	2	9999	Si
121	0.01	0.006	0.01	0.007	0.009	0.007	0.009	0.007	0.009	0.007	0.022	2	0.018	2	9999	Si
143	0.012	0.008	0.012	0.008	0.011	0.008	0.011	0.009	0.01	0.008	0.026	2	0.022	2	9999	Si
165	0.014	0.009	0.014	0.01	0.012	0.01	0.013	0.01	0.012	0.01	0.031	2	0.025	2	9999	Si
187	0.015	0.01	0.016	0.011	0.014	0.011	0.014	0.012	0.014	0.011	0.035	2	0.029	2	9999	Si
209	0.017	0.011	0.017	0.013	0.015	0.012	0.016	0.013	0.015	0.012	0.038	2	0.032	2	9999	Si
231	0.018	0.012	0.018	0.014	0.016	0.013	0.017	0.014	0.016	0.013	0.041	2	0.035	2	9999	Si
253	0.019	0.013	0.019	0.015	0.017	0.013	0.018	0.015	0.016	0.013	0.044	2	0.037	2	9999	Si
264	0.019	0.013	0.02	0.015	0.017	0.014	0.018	0.015	0.017	0.014	0.045	2	0.038	2	9999	Si
286	0.019	0.014	0.021	0.016	0.018	0.014	0.019	0.016	0.017	0.014	0.046	2	0.039	2	9999	Si
308	0.019	0.014	0.021	0.016	0.018	0.014	0.02	0.016	0.017	0.014	0.047	2	0.04	2	9999	Si
309	0.019	0.014	0.021	0.016	0.018	0.014	0.02	0.016	0.017	0.014	0.047	2	0.04	2	9999	Si
331	0.019	0.014	0.021	0.016	0.018	0.014	0.02	0.017	0.017	0.014	0.048	2	0.041	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5650	12088	18340	SLV 1	0.38	801	1.049	-366597	2457294	2322404	SLV 15	0.4	886	1.094	Si
44	5082	12088	18340	SLV 1	0.4	891	1.096	-366597	2457294	2322404	SLV 15	0.4	886	1.094	Si
66	4502	12088	18340	SLV 1	0.41	991	1.145	-292935	2327353	2322404	SLV 15	0.41	946	1.124	Si
88	3922	12088	18340	SLV 1	0.43	1105	1.197	-190747	2130416	2322404	SLV 15	0.43	1073	1.183	Si
99	3631	12088	16037	SLV 1	0.37	758	1.026	-144121	2031950	2322404	SLV 15	0.44	1157	1.22	Si
121	3051	12088	16037	SLV 1	0.39	847	1.074	-59804	1835025	2322514	SLV 15	0.47	1382	1.312	Si
143	2470	12088	16037	SLV 1	0.41	943	1.122	12592	1638110	2322770	SLV 15	0.5	1724	1.437	Si
165	1888	12088	16037	SLV 1	0.42	1051	1.173	73065	-1441210	-1422107	SLV 1	0.38	778	1.037	Si
187	1307	12088	16037	SLV 1	0.44	1169	1.225	121611	1244331	1422094	SLV 15	0.38	792	1.045	Si
209	726	12088	16037	SLV 1	0.46	1295	1.278	158224	1047483	1422094	SLV 15	0.44	1139	1.212	Si
231	144	12088	16037	SLV 1	0.47	1429	1.331	182900	850687	1422094	SLV 15	0.52	1880	1.489	Si
253	-438	-12088	-15005	SLV 15	0.43	1135	1.211	195637	653982	1422094	SLV 15	0.57	2474	1.666	Si
264	-729	-12088	-15005	SLV 15	0.43	1076	1.184	197526	555692	1422094	SLV 15	0.57	2474	1.666	Si
286	-1311	-12088	-15005	SLV 15	0.41	964	1.132	192345	359382	1422094	SLV 15	0.57	2474	1.666	Si
308	-1882	-12088	-15005	SLV 15	0.39	869	1.085	135424	116243	1422094	SLV 3	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5650	4246	18340	SLD 1	0.4	912	2.785	-366597	1087427	2322404	SLD 15	0.33	575	2.305	Si
44	5082	4246	18340	SLD 1	0.42	1018	2.913	-366597	1087427	2322404	SLD 15	0.33	575	2.305	Si
66	4502	4246	18340	SLD 1	0.44	1144	3.056	-292935	1029923	2322404	SLD 15	0.34	614	2.368	Si
88	3922	4246	18340	SLD 1	0.45	1276	3.196	-115571	871382	2322404	SLD 15	0.38	776	2.607	Si
99	3631	4246	16037	SLD 1	0.39	863	2.723	-115571	871382	2322404	SLD 15	0.38	776	2.607	Si
121	3051	4246	16037	SLD 1	0.41	964	2.849	-59804	812050	2322514	SLD 15	0.39	871	2.733	Si
143	2470	4246	16037	SLD 1	0.43	1085	2.991	12592	724908	2322770	SLD 15	0.43	1077	2.981	Si
165	1888	4246	16037	SLD 1	0.45	1213	3.13	73065	-637773	-1422107	SLD 1	0.32	507	2.189	Si
187	1307	4246	16037	SLD 1	0.46	1349	3.27	121611	550646	1422094	SLD 15	0.32	515	2.203	Si
209	726	4246	16037	SLD 1	0.48	1495	3.411	158224	463533	1422094	SLD 15	0.37	729	2.541	Si
231	144	4246	16037	SLD 1	0.5	1652	3.553	182900	376443	1422094	SLD 15	0.44	1174	3.089	Si
253	-438	-4246	-15005	SLD 15	0.46	1310	3.231	195637	289393	1422094	SLD 15	0.56	2303	4.072	Si
264	-729	-4246	-15005	SLD 15	0.45	1242	3.161	197526	245894	1422094	SLD 15	0.6	2474	4.193	Si
286	-1311	-4246	-15005	SLD 15	0.43	1113	3.022	192345	159015	1422094	SLD 15	0.6	2474	4.193	Si
308	-1882	-4246	-15005	SLD 15	0.41	991	2.881	135424	51398	1422094	SLD 3	0.6	2474	4.193	Si

Campata 2 tra i fili 36B - 36C, sezione R 45x70, asta 708

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4						-121640	SLU 35	-46111	-1422094	0.084	Si
22	11.4	5.4	11.4	5.4	54858	SLU 29	220188	1422094	0.084						Si
46	11.4	5.4	11.4	5.4	190825	SLU 29	318298	1422094	0.084						Si
68	11.4	5.4	11.4	5.4	295521	SLU 29	386171	1422094	0.084						Si
91	11.4	5.4	11.4	5.4	371283	SLU 30	424920	1422094	0.084						Si
103	11.4	5.4	11.4	5.4	398334	SLU 30	433332	1422094	0.084						Si
125	11.4	5.4	11.4	5.4	430511	SLU 30	435636	1422094	0.084						Si
148	11.4	5.4	15.9	5.4	433454	SLU 30	435636	1955606	0.091						Si
171	11.4	5.4	18.97	5.4	407164	SLU 30	434655	2319387	0.097						Si
194	11.4	5.4	19.01	5.4	351757	SLU 36	416409	2323557	0.097						Si
217	11.4	5.4	19.01	5.4	276936	SLU 36	368930	2323557	0.097						Si
239	11.4	5.4	19.01	5.4	201996	SLU 26	299407	2323557	0.097	104859	SLU 11	-61688	-1422107	0.084	Si
262	11.4	5.4	19.01	5.4	113975	SLU 26	221963	2323557	0.097	-21686	SLU 11	-221523	-1422107	0.084	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
274	11.4	5.4	19.01	5.4	62235	SLU 26	183366	2323557	0.097	-94369	SLU 11	-270806	-1422107	0.084	Si
297	11.4	5.4	19.01	5.4	-52719	SLU 8	88017	2323557	0.097	-270806	SLU 29	-270806	-1422107	0.084	Si
319	11.4	5.4	19.01	5.4						-482221	SLU 29	-410527	-1422107	0.084	Si
342	11.4	5.4	19.01	5.4						-732386	SLU 29	-458764	-1422107	0.084	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	255509	SLV 3	255509	1422094	0.084	-424505	SLV 13	-424254	-1422094	0.084	Si
22	11.4	5.4	11.4	5.4	529804	SLV 1	864013	1422094	0.084	-472399	SLV 15	-574742	-1422094	0.084	Si
46	11.4	5.4	11.4	5.4	798233	SLV 1	1108245	1422094	0.084	-550409	SLV 15	-679461	-1422094	0.084	Si
68	11.4	5.4	11.4	5.4	1044430	SLV 1	1329983	1422094	0.084	-648335	SLV 15	-803054	-1422094	0.084	Si
91	11.4	5.4	11.4	5.4	1271499	SLV 1	1532272	1422094	0.084	-766442	SLV 15	-946508	-1422094	0.084	No
103	11.4	5.4	11.4	5.4	1377763	SLV 1	1626093	1422094	0.084	-832966	SLV 15	-1025653	-1422094	0.084	No
125	11.4	5.4	11.4	5.4	1575667	SLV 1	1799057	1422094	0.084	-980872	SLV 15	-1198745	-1422094	0.084	No
148	11.4	5.4	15.9	5.4	1754020	SLV 1	1952426	1955606	0.091	-1148536	SLV 15	-1391552	-1422107	0.084	Si
171	11.4	5.4	18.97	5.4	1912784	SLV 1	2086180	2319387	0.097	-1335921	SLV 15	-1604053	-1422107	0.084	No
194	11.4	5.4	19.01	5.4	2051937	SLV 1	2200309	2323557	0.097	-1543004	SLV 15	-1836239	-1422107	0.084	No
217	11.4	5.4	19.01	5.4	2171468	SLV 1	2294805	2323557	0.097	-1769774	SLV 15	-2088101	-1422107	0.084	No
239	11.4	5.4	19.01	5.4	2271367	SLV 1	2369662	2323557	0.097	-2016222	SLV 15	-2359633	-1422107	0.084	No
262	11.4	5.4	19.01	5.4	2351629	SLV 1	2424879	2323557	0.097	-2282343	SLV 15	-2650834	-1422107	0.084	No
274	11.4	5.4	19.01	5.4	2384395	SLV 1	2436134	2323557	0.097	-2422779	SLV 15	-2726481	-1422107	0.084	No
297	11.4	5.4	19.01	5.4	2436134	SLV 1	2436134	2323557	0.097	-2726481	SLV 15	-2726481	-1422107	0.084	No
319	11.4	5.4	19.01	5.4	2466350	SLV 1	2464032	2323557	0.097	-3033687	SLV 15	-2937104	-1422107	0.084	No
342	11.4	5.4	19.01	5.4	2475203	SLV 1	2473663	2323557	0.097	-3371292	SLV 15	-3009819	-1422107	0.084	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	65950	SLD 3	65950	1422094	0.084	-234946	SLD 13	-205482	-1422094	0.084	Si
22	11.4	5.4	11.4	5.4	250457	SLD 1	462988	1422094	0.084	-193051	SLD 15	-193051	-1422094	0.084	Si
46	11.4	5.4	11.4	5.4	422325	SLD 1	609953	1422094	0.084	-174502	SLD 15	-193051	-1422094	0.084	Si
68	11.4	5.4	11.4	5.4	572603	SLD 1	735432	1422094	0.084	-176508	SLD 15	-208504	-1422094	0.084	Si
91	11.4	5.4	11.4	5.4	703456	SLD 1	841346	1422094	0.084	-198400	SLD 15	-255583	-1422094	0.084	Si
103	11.4	5.4	11.4	5.4	761556	SLD 1	886954	1422094	0.084	-216759	SLD 15	-286513	-1422094	0.084	Si
125	11.4	5.4	11.4	5.4	863066	SLD 1	963454	1422094	0.084	-268272	SLD 15	-363142	-1422094	0.084	Si
148	11.4	5.4	15.9	5.4	944967	SLD 1	1020325	1955606	0.091	-339483	SLD 15	-459451	-1422107	0.084	Si
171	11.4	5.4	18.97	5.4	1007241	SLD 1	1057560	2319387	0.097	-430378	SLD 15	-575433	-1422107	0.084	Si
194	11.4	5.4	19.01	5.4	1049880	SLD 1	1075152	2323557	0.097	-540947	SLD 15	-711082	-1422107	0.084	Si
217	11.4	5.4	19.01	5.4	1072878	SLD 1	1077011	2323557	0.097	-671185	SLD 15	-866395	-1422107	0.084	Si
239	11.4	5.4	19.01	5.4	1076232	SLD 1	1077011	2323557	0.097	-821087	SLD 15	-1041370	-1422107	0.084	Si
262	11.4	5.4	19.01	5.4	1059938	SLD 1	1076660	2323557	0.097	-990652	SLD 15	-1236006	-1422107	0.084	Si
274	11.4	5.4	19.01	5.4	1044423	SLD 1	1073673	2323557	0.097	-1082807	SLD 15	-1287428	-1422107	0.084	Si
297	11.4	5.4	19.01	5.4	997081	SLD 1	1052154	2323557	0.097	-1287428	SLD 15	-1287428	-1422107	0.084	Si
319	11.4	5.4	19.01	5.4	933239	SLD 1	933239	2323557	0.097	-1500576	SLD 15	-1431562	-1422107	0.084	No
342	11.4	5.4	19.01	5.4	845515	SLD 1	845515	2323557	0.097	-1741604	SLD 15	-1481322	-1422107	0.084	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	7592	SLU 30	7592	10922	76908	0	10922	1	Si
22	0.115	11.4	0	6133	SLU 30	6133	10922	76908	13338	13338	1	Si
46	0.115	11.4	0	4933	SLU 30	4933	10922	76908	13338	13338	1	Si
68	0.115	11.4	0	3730	SLU 30	3730	10922	76908	13338	13338	1	Si
91	0.115	11.4	0	2548	SLU 36	2548	10922	76908	13338	13338	1	Si
103	0.105	11.4	0	1986	SLU 36	1986	10922	76908	12153	12153	1	Si
125	0.105	11.4	0	1043	SLU 26	1043	10922	76908	12153	12153	1	Si
148	0.105	11.4	0	195	SLU 26	195	10922	76908	12153	12153	1	Si
148	0.105	11.4	0	-560	SLU 11	-560	-10922	-76908	-12153	-12153	1	Si
171	0.105	11.4	0	-1706	SLU 29	-1706	-10922	-76908	-12153	-12153	1	Si
194	0.105	11.4	0	-2909	SLU 29	-2909	-10922	-76908	-12153	-12153	1	Si
217	0.105	15.9	0	-4112	SLU 29	-4112	-12202	-76908	-12153	-12202	1	Si
239	0.072	18.97	0	-5315	SLU 29	-5315	-12941	-76908	-8336	-12941	1	Si
262	0.072	19.01	0	-6518	SLU 29	-6518	-12949	-76908	-8336	-12949	1	Si
274	0.072	11.4	0	-7119	SLU 29	-7119	-10922	-76908	-8336	-10922	1	Si
297	0.072	11.4	0	-8354	SLU 29	-8354	-10922	-76908	-8336	-10922	1	Si
319	0	11.4	0	-9525	SLU 29	-9525	-10922	-76908	0	-10922	1	Si
342	0	11.4	0	-11099	SLU 29	-11099	-10922	-76908	0	-10922	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	12366	SLV 1	14220	10922	76908	0	10922	1	Si
0	0	11.4	0	-1895	SLV 15	-3749	-10922	-76908	0	-10922	1	Si
22	0.115	11.4	0	11390	SLV 1	13244	10922	76908	13338	13338	1	Si
22	0.115	11.4	0	-2870	SLV 15	-4724	-10922	-76908	-13338	-13338	1	Si
46	0.115	11.4	0	10585	SLV 1	12439	10922	76908	13338	13338	1	Si
46	0.115	11.4	0	-3675	SLV 15	-5529	-10922	-76908	-13338	-13338	1	Si
68	0.115	11.4	0	9777	SLV 1	11630	10922	76908	13338	13338	1	Si
68	0.115	11.4	0	-4484	SLV 15	-6338	-10922	-76908	-13338	-13338	1	Si
91	0.115	11.4	0	8968	SLV 1	10822	10922	76908	13338	13338	1	Si
91	0.115	11.4	0	-5293	SLV 15	-7147	-10922	-76908	-13338	-13338	1	Si
103	0.105	11.4	0	8563	SLV 1	10417	10922	76908	12153	12153	1	Si
103	0.105	11.4	0	-5697	SLV 15	-7551	-10922	-76908	-12153	-12153	1	Si
125	0.105	11.4	0	7755	SLV 1	9609	10922	76908	12153	12153	1	Si
125	0.105	11.4	0	-6506	SLV 15	-8360	-10922	-76908	-12153	-12153	1	Si
148	0.105	11.4	0	6946	SLV 1	8800	10922	76908	12153	12153	1	Si
148	0.105	11.4	0	-7315	SLV 15	-9169	-10922	-76908	-12153	-12153	1	Si
171	0.105	11.4	0	6137	SLV 1	7991	10922	76908	12153	12153	1	Si
171	0.105	11.4	0	-8124	SLV 15	-9977	-10922	-76908	-12153	-12153	1	Si
194	0.105	11.4	0	5328	SLV 1	7182	10922	76908	12153	12153	1	Si
194	0.105	11.4	0	-8932	SLV 15	-10786	-10922	-76908	-12153	-12153	1	Si
217	0.105	15.9	0	4520	SLV 1	6374	12202	76908	12153	12202	1	Si
217	0.105	11.4	0	-9741	SLV 15	-11595	-10922	-76908	-12153	-12153	1	Si
239	0.072	18.97	0	3711	SLV 1	5565	12941	76908	8336	12941	1	Si
239	0.072	11.4	0	-10550	SLV 15	-12404	-10922	-76908	-8336	-10922	1	No
262	0.072	19.01	0	2902	SLV 1	4756	12949	76908	8336	12949	1	Si
262	0.072	11.4	0	-11359	SLV 15	-13213	-10922	-76908	-8336	-10922	1	No
274	0.072	19.01	0	2498	SLV 1	4352	12949	76908	8336	12949	1	Si
274	0.072	11.4	0	-11763	SLV 15	-13617	-10922	-76908	-8336	-10922	1	No
297	0.072	19.01	0	1668	SLV 1	3522	12949	76908	8336	12949	1	Si
297	0.072	11.4	0	-12593	SLV 15	-14447	-10922	-76908	-8336	-10922	1	No
319	0	19.01	0	880	SLV 1	2734	12949	76908	0	12949	1	Si
319	0	11.4	0	-13380	SLV 15	-15234	-10922	-76908	0	-10922	1	Si
342	0	19.01	0	-171	SLV 1	1683	12949	76908	0	12949	1	Si
342	0	11.4	0	-14432	SLV 15	-16286	-10922	-76908	0	-10922	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	8390	SLD 1	8390	10922	76908	0	10922	1	Si
22	0.115	11.4	0	7415	SLD 1	7415	10922	76908	13338	13338	1	Si
46	0.115	11.4	0	6610	SLD 1	6610	10922	76908	13338	13338	1	Si
68	0.115	11.4	0	5801	SLD 1	5801	10922	76908	13338	13338	1	Si
68	0.115	11.4	0	-509	SLD 15	-509	-10922	-76908	-13338	-13338	1	Si
91	0.115	11.4	0	4993	SLD 1	4993	10922	76908	13338	13338	1	Si
91	0.115	11.4	0	-1318	SLD 15	-1318	-10922	-76908	-13338	-13338	1	Si
103	0.105	11.4	0	4588	SLD 1	4588	10922	76908	12153	12153	1	Si
103	0.105	11.4	0	-1722	SLD 15	-1722	-10922	-76908	-12153	-12153	1	Si
125	0.105	11.4	0	3779	SLD 1	3779	10922	76908	12153	12153	1	Si
125	0.105	11.4	0	-2531	SLD 15	-2531	-10922	-76908	-12153	-12153	1	Si
148	0.105	11.4	0	2971	SLD 1	2971	10922	76908	12153	12153	1	Si
148	0.105	11.4	0	-3340	SLD 15	-3340	-10922	-76908	-12153	-12153	1	Si
171	0.105	11.4	0	2162	SLD 1	2162	10922	76908	12153	12153	1	Si
171	0.105	11.4	0	-4148	SLD 15	-4148	-10922	-76908	-12153	-12153	1	Si
194	0.105	11.4	0	1353	SLD 1	1353	10922	76908	12153	12153	1	Si
194	0.105	11.4	0	-4957	SLD 15	-4957	-10922	-76908	-12153	-12153	1	Si
217	0.105	15.9	0	544	SLD 1	544	12202	76908	12153	12202	1	Si
217	0.105	11.4	0	-5766	SLD 15	-5766	-10922	-76908	-12153	-12153	1	Si
239	0.072	11.4	0	-6575	SLD 15	-6575	-10922	-76908	-8336	-10922	1	Si
262	0.072	11.4	0	-7383	SLD 15	-7383	-10922	-76908	-8336	-10922	1	Si
274	0.072	11.4	0	-7788	SLD 15	-7788	-10922	-76908	-8336	-10922	1	Si
297	0.072	11.4	0	-8618	SLD 15	-8618	-10922	-76908	-8336	-10922	1	Si
319	0	11.4	0	-9405	SLD 15	-9405	-10922	-76908	0	-10922	1	Si
342	0	11.4	0	-10457	SLD 15	-10457	-10922	-76908	0	-10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-92182	8	-32405	1.1	124.5	48.1	1837	-86438	1	-27481	0.9	93.4	0	+∞	Si
22	37065	2	159455	5.5	124.5	236.7	1837	28703	2	144636	5	93.4	0	+∞	Si
46	137668	2	232438	8	124.5	345	1837	123912	2	214392	7.4	93.4	0	+∞	Si
68	215439	2	283314	9.8	124.5	420.5	1837	198047	2	263464	9.1	93.4	0	+∞	Si
91	272081	3	312934	10.8	124.5	464.5	1837	252528	2	292882	10.1	93.4	0	+∞	Si
103	292491	3	319746	11	124.5	474.6	1837	272398	2	300220	10.3	93.4	0	+∞	Si
125	317316	3	321731	11.1	124.5	477.6	1837	297397	2	302742	10.4	93.4	0	+∞	Si
148	320813	3	321731	9.9	124.5	346.5	1837	302742	2	302742	9.3	93.4	0	+∞	Si
171	302982	3	321318	9.3	124.5	292.1	1837	288431	2	302742	8.8	93.4	0	+∞	Si
194	263899	9	309356	8.9	124.5	280.8	1837	254466	2	293721	8.5	93.4	0	+∞	Si
217	210034	9	276065	8	124.5	250.6	1837	200847	2	265165	7.7	93.4	0	+∞	Si
239	151319	8	226238	6.5	124.5	205.3	1837	140620	1	216954	6.3	93.4	0	+∞	Si
262	75844	8	168550	4.9	124.5	153	1837	63579	1	158282	4.6	93.4	0	+∞	Si
274	31678	8	135314	3.9	124.5	122.8	1837	18630	1	124264	3.6	93.4	0	+∞	Si
274	-44406	2	-183864	5.8	124.5	271.7	1837	-19192	2	-145174	4.6	93.4	0	+∞	Si
297	-183864	2	-183864	5.8	124.5	271.7	1837	-145174	2	-145174	4.6	93.4	0	+∞	Si
319	-336762	2	-284851	8.9	124.5	421	1837	-283669	2	-236536	7.4	93.4	0	+∞	Si
342	-517865	2	-319715	10	124.5	472.5	1837	-448044	2	-268078	8.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.019	0.014	0.021	0.016	0.018	0.014	0.02	0.017	0.017	0.014	0.048	2	0.041	2	9999	Si
22	0.021	0.015	0.021	0.017	0.019	0.015	0.02	0.017	0.018	0.015	0.049	2	0.042	2	9999	Si
46	0.022	0.016	0.022	0.017	0.02	0.016	0.02	0.017	0.02	0.017	0.049	2	0.043	2	9999	Si
68	0.022	0.017	0.022	0.017	0.021	0.017	0.02	0.017	0.02	0.017	0.05	2	0.043	2	9999	Si
91	0.023	0.018	0.021	0.017	0.021	0.018	0.02	0.017	0.021	0.018	0.049	2	0.043	2	9999	Si
103	0.023	0.018	0.021	0.017	0.022	0.018	0.02	0.017	0.021	0.018	0.049	2	0.043	2	9999	Si
125	0.023	0.018	0.02	0.017	0.021	0.018	0.019	0.017	0.021	0.018	0.047	2	0.042	2	9999	Si
148	0.022	0.018	0.019	0.016	0.021	0.018	0.018	0.016	0.02	0.018	0.044	2	0.039	2	9999	Si
171	0.02	0.017	0.018	0.015	0.019	0.017	0.017	0.015	0.019	0.017	0.041	2	0.037	2	9999	Si
194	0.018	0.015	0.016	0.013	0.017	0.015	0.015	0.013	0.017	0.015	0.036	2	0.033	2	9999	Si
217	0.016	0.013	0.013	0.012	0.015	0.013	0.013	0.012	0.015	0.013	0.031	2	0.029	2	9999	Si
239	0.013	0.011	0.011	0.01	0.012	0.011	0.011	0.01	0.012	0.011	0.026	2	0.024	2	9999	Si
262	0.01	0.009	0.008	0.007	0.01	0.009	0.008	0.007	0.009	0.009	0.02	2	0.018	2	9999	Si
274	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.017	2	0.015	2	9999	Si
297	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.01	2	9999	Si
319	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
22	4260	8984	13338	SLV 1	0.37	730	1.01	28703	501102	1422094	SLV 1	0.57	2474	1.666	Si
46	3455	8984	13338	SLV 1	0.4	898	1.1	214392	893853	1422094	SLV 1	0.48	1537	1.371	Si
68	2646	8984	13338	SLV 1	0.43	1098	1.194	263464	1066519	1422094	SLV 1	0.39	871	1.086	Si
91	1837	8984	13338	SLV 1	0.46	1332	1.293	292882	1239390	1422094	SLV 1	0.33	568	0.912	No
103	1433	8984	12153	SLV 1	0.43	1105	1.197	300220	1325873	1422094	SLV 1	0.31	475	0.847	No
125	624	8984	12153	SLV 1	0.46	1340	1.296	300156	1498901	1422094	SLV 1	0.28	364	0.76	No
148	-184	-8984	-12153	SLV 15	0.48	1480	1.35	280437	1671989	1955606	SLV 1	0.36	715	1.002	Si
171	-993	-8984	-12153	SLV 15	0.45	1230	1.251	241063	-1845117	-1422107	SLV 15	0.33	554	0.902	No
194	-1802	-8984	-12153	SLV 15	0.42	1008	1.153	182035	-2018274	-1422107	SLV 15	0.29	414	0.801	No
217	-2611	-8984	-12153	SLV 15	0.39	824	1.062	103352	-2191453	-1422107	SLV 15	0.26	310	0.711	No
239	-3419	-8984	-10922	SLV 15	0.31	462	0.838	5014	-2364648	-1422107	SLV 15	0.23	227	0.626	No
262	-4228	-8984	-10922	SLV 15	0.27	360	0.756	-112978	-2537856	-1422107	SLV 15	0.19	163	0.546	No
274	-4633	-8984	-10922	SLV 15	0.26	314	0.715	-145174	-2581308	-1422107	SLV 15	0.19	149	0.527	No
297	-5462	-8984	-10922	SLV 15	0.23	231	0.63	-145174	-2581308	-1422107	SLV 15	0.19	149	0.527	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
22	4260	3155	13338	SLD 1	0.39	831	2.681	28703	221754	1422094	SLD 1	0.6	2474	4.193	Si
46	3455	3155	13338	SLD 1	0.42	1027	2.924	214392	395562	1422094	SLD 1	0.41	960	2.844	Si
68	2646	3155	13338	SLD 1	0.45	1268	3.188	263464	471968	1422094	SLD 1	0.33	565	2.289	Si
91	1837	3155	13338	SLD 1	0.48	1538	3.45	292882	548465	1422094	SLD 1	0.28	379	1.943	Si
103	1433	3155	12153	SLD 1	0.45	1277	3.197	300220	586733	1422094	SLD 1	0.26	323	1.82	Si
125	624	3155	12153	SLD 1	0.49	1549	3.461	300156	663298	1422094	SLD 1	0.23	247	1.63	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
148	-184	-3155	-12153	SLD 15	0.5	1711	3.605	280437	739888	1955606	SLD 1	0.31	467	2.117	Si
171	-993	-3155	-12153	SLD 15	0.47	1420	3.339	241063	-816497	-1422107	SLD 15	0.28	371	1.926	Si
194	-1802	-3155	-12153	SLD 15	0.44	1164	3.078	182035	-893117	-1422107	SLD 15	0.25	281	1.719	Si
217	-2611	-3155	-12153	SLD 15	0.41	938	2.817	103352	-969748	-1422107	SLD 15	0.22	210	1.525	Si
239	-3419	-3155	-10922	SLD 15	0.32	524	2.219	5014	-1046385	-1422107	SLD 15	0.19	155	1.347	Si
262	-4228	-3155	-10922	SLD 15	0.29	405	1.997	-112978	-1123028	-1422107	SLD 15	0.16	112	1.179	Si
274	-4633	-3155	-10922	SLD 15	0.27	353	1.887	-145174	-1142255	-1422107	SLD 15	0.16	103	1.139	Si
297	-5462	-3155	-10922	SLD 15	0.24	260	1.665	-145174	-1142255	-1422107	SLD 15	0.16	103	1.139	Si

Campata 3 tra i fili 36C - 38, sezione R 45x70, asta 709

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	19.01	5.4						-2413826	SLU 30	-1952276	-1422107	0.084	No
22	11.4	5.4	19.01	5.4						-1984294	SLU 30	-1861508	-1422107	0.084	No
43	11.4	5.4	19.01	5.4						-1589330	SLU 30	-1589207	-1422107	0.084	No
45	11.4	5.4	19.01	5.4						-1560741	SLU 30	-1560741	-1422107	0.084	No
65	11.4	5.4	17.88	5.4						-1230874	SLU 36	-1560741	-1422107	0.084	No
87	11.4	5.4	14.96	5.4						-906404	SLU 36	-1349170	-1422107	0.084	Si
97	11.4	5.4	11.4	5.4						-755038	SLU 36	-1178361	-1422094	0.084	Si
119	11.4	5.4	11.4	5.4						-482943	SLU 35	-858479	-1422094	0.084	Si
141	11.4	5.4	11.4	5.4	-135662	SLU 11	100442	1422094	0.084	-258028	SLU 26	-568725	-1422094	0.084	Si
162	11.4	5.4	11.4	5.4	45434	SLU 11	278537	1422094	0.084	-59349	SLU 26	-331418	-1422094	0.084	Si
184	11.4	5.4	11.4	5.4	220993	SLU 29	429544	1422094	0.084	96580	SLU 8	-125402	-1422094	0.084	Si
206	11.4	5.4	11.4	5.4	382203	SLU 30	549702	1422094	0.084						Si
227	13.07	5.4	18.04	5.4	512981	SLU 30	638779	2208380	0.094						Si
249	14.1	5.4	22.41	5.4	612679	SLU 30	700707	2726416	0.101						Si
260	14.61	5.4	22.81	5.4	650872	SLU 30	723949	2773160	0.101						Si
282	15.21	5.4	22.81	5.4	709634	SLU 36	734232	2773116	0.1						Si
295	15.21	5.4	22.81	5.4	734232	SLU 36	734232	2773116	0.1						Si
303	15.21	5.4	22.81	5.4	746400	SLU 36	745373	2773116	0.1						Si
325	15.21	5.4	22.81	5.4	777414	SLU 35	757521	2773116	0.1						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	19.01	5.4	2201482	SLV 13	2080953	2323557	0.097	-5650272	SLV 3	-4888365	-1422107	0.084	No
22	11.4	5.4	19.01	5.4	2075326	SLV 13	2042132	2323557	0.097	-4926425	SLV 3	-4722509	-1422107	0.084	No
43	11.4	5.4	19.01	5.4	1926163	SLV 13	1925669	2323557	0.097	-4225635	SLV 3	-4224941	-1422107	0.084	No
45	11.4	5.4	19.01	5.4	1913494	SLV 13	1913494	2323557	0.097	-4172927	SLV 3	-4172927	-1422107	0.084	No
65	11.4	5.4	17.88	5.4	1756285	SLV 13	1913494	2190166	0.095	-3545630	SLV 3	-4172927	-1422107	0.084	No
87	11.4	5.4	14.96	5.4	1565708	SLV 13	1816100	1844317	0.089	-2886430	SLV 3	-3776206	-1422107	0.084	No
97	11.4	5.4	11.4	5.4	1462667	SLV 13	1726934	1422094	0.084	-2564640	SLV 3	-3440450	-1422094	0.084	No
119	11.4	5.4	11.4	5.4	1241112	SLV 13	1533084	1422094	0.084	-1936715	SLV 3	-2784546	-1422094	0.084	No
141	11.4	5.4	11.4	5.4	999012	SLV 13	1318576	1422094	0.084	-1329747	SLV 3	-2149487	-1422094	0.084	No
162	11.4	5.4	11.4	5.4	736603	SLV 13	1083485	1422094	0.084	-743972	SLV 3	-1535347	-1422094	0.084	No
184	11.4	5.4	11.4	5.4	454693	SLV 13	827983	1422094	0.084	-180199	SLV 3	-942299	-1422094	0.084	Si
206	11.4	5.4	11.4	5.4	388243	SLV 1	1075562	1422094	0.084	126611	SLV 15	-370881	-1422094	0.084	Si
227	13.07	5.4	18.04	5.4	903082	SLV 1	1569733	2208380	0.094	-189369	SLV 15	-655532	-1620068	0.085	Si
249	14.1	5.4	22.41	5.4	1403485	SLV 1	2025247	2726416	0.101	-532416	SLV 15	-1009373	-1740948	0.086	Si
260	14.61	5.4	22.81	5.4	1646756	SLV 1	2274376	2773160	0.101	-712572	SLV 15	-1223230	-1801426	0.086	Si
282	15.21	5.4	22.81	5.4	2118410	SLV 3	2398468	2773116	0.1	-1089123	SLV 13	-1331517	-1872416	0.087	Si
295	15.21	5.4	22.81	5.4	2398468	SLV 3	2398468	2773116	0.1	-1331517	SLV 13	-1331517	-1872416	0.087	Si
303	15.21	5.4	22.81	5.4	2571238	SLV 3	2547887	2773116	0.1	-1485365	SLV 13	-1463679	-1872416	0.087	Si
325	15.21	5.4	22.81	5.4	3017689	SLV 3	2710803	2773116	0.1	-1888393	SLV 13	-1607779	-1872416	0.087	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	19.01	5.4	12388	SLD 13	12388	2323557	0.097	-3461178	SLD 3	-2945293	-1422107	0.084	No
22	11.4	5.4	19.01	5.4	123211	SLD 13	123211	2323557	0.097	-2974311	SLD 3	-2836500	-1422107	0.084	No
43	11.4	5.4	19.01	5.4	211014	SLD 13	210850	2323557	0.097	-2510485	SLD 3	-2510122	-1422107	0.084	No
45	11.4	5.4	19.01	5.4	216572	SLD 13	299648	2323557	0.097	-2476004	SLD 3	-2476004	-1422107	0.084	No
65	11.4	5.4	17.88	5.4	278081	SLD 13	334945	2190166	0.095	-2067426	SLD 3	-2476004	-1422107	0.084	No
87	11.4	5.4	14.96	5.4	324420	SLD 13	353500	1844317	0.089	-1645142	SLD 3	-2217042	-1422107	0.084	No
97	11.4	5.4	11.4	5.4	339821	SLD 13	355100	1422094	0.084	-1441794	SLD 3	-1999753	-1422094	0.084	No
119	11.4	5.4	11.4	5.4	355100	SLD 13	355100	1422094	0.084	-1050702	SLD 3	-1580759	-1422094	0.084	No
141	11.4	5.4	11.4	5.4	349717	SLD 13	355100	1422094	0.084	-680452	SLD 3	-1182557	-1422094	0.084	Si
162	11.4	5.4	11.4	5.4	323779	SLD 13	353318	1422094	0.084	-331149	SLD 3	-805181	-1422094	0.084	Si
184	11.4	5.4	11.4	5.4	277639	SLD 13	413477	1422094	0.084	-3146	SLD 3	-448706	-1422094	0.084	Si
206	11.4	5.4	11.4	5.4	315317	SLD 1	690830	1422094	0.084	199537	SLD 15	-113369	-1422094	0.084	Si
227	13.07	5.4	18.04	5.4	598545	SLD 1	949371	2208380	0.094	115168	SLD 15	-35170	-1620068	0.085	Si
249	14.1	5.4	22.41	5.4	863797	SLD 1	1179239	2726416	0.101	7272	SLD 15	-163366	-1740948	0.086	Si
260	14.61	5.4	22.81	5.4	989018	SLD 1	1299289	2773160	0.101	-54834	SLD 15	-248142	-1801426	0.086	Si
282	15.21	5.4	22.81	5.4	1224194	SLD 3	1358594	2773116	0.1	-194908	SLD 13	-291643	-1872416	0.087	Si
295	15.21	5.4	22.81	5.4	1358594	SLD 3	1358594	2773116	0.1	-291643	SLD 13	-291643	-1872416	0.087	Si
303	15.21	5.4	22.81	5.4	1440303	SLD 3	1429509	2773116	0.1	-354431	SLD 13	-345301	-1872416	0.087	Si
325	15.21	5.4	22.81	5.4	1649922	SLD 3	1506829	2773116	0.1	-520625	SLD 13	-403805	-1872416	0.087	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	20846	SLU 30	20846	10922	76908	0	10922	1	Si
22	0	11.4	0	18946	SLU 30	18946	10922	76908	0	10922	1	Si
43	0	11.4	0	17512	SLU 30	17512	10922	76908	0	10922	1	Si
45	0.33	11.4	0	17402	SLU 30	17402	10922	76908	38347	38347	1	Si
65	0.33	11.4	0	16077	SLU 30	16077	10922	76908	38347	38347	1	Si
87	0.33	11.4	0	14643	SLU 30	14643	10922	76908	38347	38347	1	Si
97	0.33	11.4	0	13926	SLU 30	13926	10922	76908	38347	38347	1	Si
119	0.292	11.4	0	12491	SLU 30	12491	10922	76908	33952	33952	1	Si
141	0.292	11.4	0	11057	SLU 30	11057	10922	76908	33952	33952	1	Si
162	0.292	11.4	0	9625	SLU 36	9625	10922	76908	33952	33952	1	Si
184	0.292	11.4	0	8287	SLU 36	8287	10922	76908	33952	33952	1	Si
206	0.292	11.4	0	6950	SLU 36	6950	10922	76908	33952	33952	1	Si
227	0.259	11.4	0	5751	SLU 35	5751	10922	76908	30011	30011	1	Si
249	0.259	11.4	0	4710	SLU 26	4710	10922	76908	30011	30011	1	Si
260	0.259	11.4	0	4214	SLU 26	4214	10922	76908	30011	30011	1	Si
282	0.259	11.4	0	3223	SLU 26	3223	10922	76908	30011	30011	1	Si
295	0.259	18.04	0	2688	SLU 26	2688	12725	76908	30011	30011	1	Si
303	0	20.22	0	2554	SLU 26	2554	13220	76908	0	13220	1	Si
325	0	22.81	0	2332	SLU 26	2332	13761	76908	0	13761	1	Si
325	0	22.81	0	-29	SLU 11	-29	-13761	-76908	0	-13761	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	34090	SLV 3	39192	10922	76908	0	10922	1	Si
0	0	17.88	0	-5149	SLV 13	-10251	-12688	-76908	0	-12688	1	Si
22	0	11.4	0	32829	SLV 3	37930	10922	76908	0	10922	1	Si
22	0	14.96	0	-6411	SLV 13	-11512	-11957	-76908	0	-11957	1	Si
43	0	11.4	0	31871	SLV 3	36972	10922	76908	0	10922	1	Si
43	0	11.4	0	-7369	SLV 13	-12470	-10922	-76908	0	-10922	1	Si
45	0.33	11.4	0	31797	SLV 3	36898	10922	76908	38347	38347	1	Si
45	0.33	11.4	0	-7443	SLV 13	-12544	-10922	-76908	-38347	-38347	1	Si
65	0.33	11.4	0	30913	SLV 3	36014	10922	76908	38347	38347	1	Si
65	0.33	11.4	0	-8327	SLV 13	-13428	-10922	-76908	-38347	-38347	1	Si
87	0.33	11.4	0	29955	SLV 3	35057	10922	76908	38347	38347	1	Si
87	0.33	11.4	0	-9284	SLV 13	-14386	-10922	-76908	-38347	-38347	1	Si
97	0.33	11.4	0	29477	SLV 3	34578	10922	76908	38347	38347	1	Si
97	0.33	11.4	0	-9763	SLV 13	-14864	-10922	-76908	-38347	-38347	1	Si
119	0.292	11.4	0	28519	SLV 3	33620	10922	76908	33952	33952	1	Si
119	0.292	11.4	0	-10721	SLV 13	-15822	-10922	-76908	-33952	-33952	1	Si
141	0.292	11.4	0	27561	SLV 3	32662	10922	76908	33952	33952	1	Si
141	0.292	11.4	0	-11679	SLV 13	-16780	-10922	-76908	-33952	-33952	1	Si
162	0.292	11.4	0	26603	SLV 3	31705	10922	76908	33952	33952	1	Si
162	0.292	11.4	0	-12637	SLV 13	-17738	-10922	-76908	-33952	-33952	1	Si
184	0.292	11.4	0	25646	SLV 3	30747	10922	76908	33952	33952	1	Si
184	0.292	11.4	0	-13594	SLV 13	-18695	-10922	-76908	-33952	-33952	1	Si
206	0.292	11.4	0	24688	SLV 3	29789	10922	76908	33952	33952	1	Si
206	0.292	11.4	0	-14552	SLV 13	-19653	-10922	-76908	-33952	-33952	1	Si
227	0.259	11.4	0	23730	SLV 3	28831	10922	76908	30011	30011	1	Si
227	0.259	11.4	0	-15510	SLV 13	-20611	-10922	-76908	-30011	-30011	1	Si
249	0.259	11.4	0	22772	SLV 3	27874	10922	76908	30011	30011	1	Si
249	0.259	11.4	0	-16468	SLV 13	-21569	-10922	-76908	-30011	-30011	1	Si
260	0.259	11.4	0	22293	SLV 3	27395	10922	76908	30011	30011	1	Si
260	0.259	11.4	0	-16946	SLV 13	-22048	-10922	-76908	-30011	-30011	1	Si
282	0.259	11.4	0	21336	SLV 3	26437	10922	76908	30011	30011	1	Si
282	0.259	11.4	0	-17904	SLV 13	-23005	-10922	-76908	-30011	-30011	1	Si
295	0.259	18.04	0	20822	SLV 3	25924	12725	76908	30011	30011	1	Si
295	0.259	13.07	0	-18418	SLV 13	-23519	-11431	-76908	-30011	-30011	1	Si
303	0	20.22	0	20707	SLV 3	25809	13220	76908	0	13220	1	Si
303	0	13.58	0	-18533	SLV 13	-23634	-11578	-76908	0	-11578	1	Si
325	0	22.81	0	20537	SLV 3	25638	13761	76908	0	13761	1	Si
325	0	14.61	0	-18703	SLV 13	-23804	-11861	-76908	0	-11861	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	23150	SLD 3	23150	10922	76908	0	10922	1	Si
22	0	11.4	0	21889	SLD 3	21889	10922	76908	0	10922	1	Si
43	0	11.4	0	20931	SLD 3	20931	10922	76908	0	10922	1	Si
45	0.33	11.4	0	20857	SLD 3	20857	10922	76908	38347	38347	1	Si
65	0.33	11.4	0	19973	SLD 3	19973	10922	76908	38347	38347	1	Si
87	0.33	11.4	0	19015	SLD 3	19015	10922	76908	38347	38347	1	Si
97	0.33	11.4	0	18537	SLD 3	18537	10922	76908	38347	38347	1	Si
119	0.292	11.4	0	17579	SLD 3	17579	10922	76908	33952	33952	1	Si
141	0.292	11.4	0	16621	SLD 3	16621	10922	76908	33952	33952	1	Si
141	0.292	11.4	0	-739	SLD 13	-739	-10922	-76908	-33952	-33952	1	Si
162	0.292	11.4	0	15663	SLD 3	15663	10922	76908	33952	33952	1	Si
162	0.292	11.4	0	-1697	SLD 13	-1697	-10922	-76908	-33952	-33952	1	Si
184	0.292	11.4	0	14706	SLD 3	14706	10922	76908	33952	33952	1	Si
184	0.292	11.4	0	-2654	SLD 13	-2654	-10922	-76908	-33952	-33952	1	Si
206	0.292	11.4	0	13748	SLD 3	13748	10922	76908	33952	33952	1	Si
206	0.292	11.4	0	-3612	SLD 13	-3612	-10922	-76908	-33952	-33952	1	Si
227	0.259	11.4	0	12790	SLD 3	12790	10922	76908	30011	30011	1	Si
227	0.259	11.4	0	-4570	SLD 13	-4570	-10922	-76908	-30011	-30011	1	Si
249	0.259	11.4	0	11832	SLD 3	11832	10922	76908	30011	30011	1	Si
249	0.259	11.4	0	-5528	SLD 13	-5528	-10922	-76908	-30011	-30011	1	Si
260	0.259	11.4	0	11353	SLD 3	11353	10922	76908	30011	30011	1	Si
260	0.259	11.4	0	-6006	SLD 13	-6006	-10922	-76908	-30011	-30011	1	Si
282	0.259	11.4	0	10396	SLD 3	10396	10922	76908	30011	30011	1	Si
282	0.259	11.4	0	-6964	SLD 13	-6964	-10922	-76908	-30011	-30011	1	Si
295	0.259	18.04	0	9882	SLD 3	9882	12725	76908	30011	30011	1	Si
295	0.259	13.07	0	-7478	SLD 13	-7478	-11431	-76908	-30011	-30011	1	Si
303	0	20.22	0	9767	SLD 3	9767	13220	76908	0	13220	1	Si
303	0	13.58	0	-7593	SLD 13	-7593	-11578	-76908	0	-11578	1	Si
325	0	22.81	0	9597	SLD 3	9597	13761	76908	0	13761	1	Si
325	0	14.61	0	-7763	SLD 13	-7763	-11861	-76908	0	-11861	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1801815	3	-1460921	45.8	124.5	2159.2	1837	-1724395	2	-1403706	44	93.4	0	+∞	Si
22	-1484408	3	-1393701	43.7	124.5	2059.8	1837	-1425550	2	-1340189	42	93.4	0	+∞	Si
43	-1192135	3	-1192039	37.4	124.5	1761.8	1837	-1149736	2	-1149636	36.1	93.4	0	+∞	Si
45	-1170958	3	-1170958	36.7	124.5	1730.6	1837	-1129716	2	-1129716	35.4	93.4	0	+∞	Si
65	-926098	9	-1170958	37.2	124.5	1731.5	1837	-894673	2	-1129716	35.9	93.4	0	+∞	Si
87	-684615	9	-1014049	33.4	124.5	1501.8	1837	-660361	2	-980053	32.3	93.4	0	+∞	Si
97	-571829	9	-887030	30.6	124.5	1316.7	1837	-550986	2	-856758	29.5	93.4	0	+∞	Si
119	-368106	8	-648905	22.4	124.5	963.2	1837	-352888	1	-625731	21.6	93.4	0	+∞	Si
141	-192351	8	-432762	14.9	124.5	642.4	1837	-181326	1	-416110	14.3	93.4	0	+∞	Si
162	12337	2	200346	6.9	124.5	297.4	1837								Si
162	-34548	8	-250872	8.6	124.5	372.4	1837	-27717	1	-238414	8.2	93.4	0	+∞	Si
184	156785	2	315111	10.9	124.5	467.7	1837	137247	2	293174	10.1	93.4	0	+∞	Si
206	279000	3	407414	14	124.5	604.7	1837	257427	2	385513	13.3	93.4	0	+∞	Si
227	379030	3	477099	13.7	124.5	454.5	1837	356856	2	457100	13.2	93.4	0	+∞	Si
249	456444	3	526789	14	124.5	407	1837	435535	2	507937	13.5	93.4	0	+∞	Si
260	486669	3	545775	14.3	124.5	414.4	1837	467092	2	525573	13.8	93.4	0	+∞	Si
282	533948	9	554378	14.4	124.5	420.7	1837	514643	2	533475	13.9	93.4	0	+∞	Si
295	554378	9	554378	14.4	124.5	420.7	1837	533475	2	533475	13.9	93.4	0	+∞	Si
303	564790	9	563834	14.7	124.5	427.8	1837	542936	2	542104	14.1	93.4	0	+∞	Si
325	591067	8	574144	14.9	124.5	435.7	1837	566444	1	551512	14.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
22	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.013	1	-0.014	1	9999	Si
43	-0.006	-0.006	-0.007	-0.008	-0.006	-0.006	-0.007	-0.008	-0.006	-0.006	-0.02	1	-0.021	1	9999	Si
45	-0.006	-0.007	-0.007	-0.008	-0.006	-0.006	-0.007	-0.008	-0.006	-0.006	-0.02	1	-0.021	1	9999	Si
65	-0.007	-0.007	-0.008	-0.009	-0.007	-0.007	-0.008	-0.009	-0.007	-0.007	-0.022	2	-0.023	2	9999	Si
76	-0.007	-0.008	-0.008	-0.009	-0.007	-0.007	-0.008	-0.009	-0.007	-0.007	-0.022	2	-0.023	2	9999	Si
87	-0.007	-0.007	-0.008	-0.009	-0.007	-0.007	-0.008	-0.008	-0.007	-0.007	-0.022	2	-0.023	2	9999	Si
97	-0.006	-0.007	-0.008	-0.009	-0.007	-0.007	-0.008	-0.008	-0.007	-0.007	-0.021	2	-0.022	2	9999	Si
119	-0.005	-0.006	-0.007	-0.008	-0.005	-0.006	-0.007	-0.007	-0.005	-0.006	-0.019	2	-0.019	2	9999	Si
141	-0.003	-0.004	-0.006	-0.006	-0.004	-0.004	-0.006	-0.006	-0.004	-0.004	-0.016	2	-0.016	2	9999	Si
162	-0.002	-0.003	-0.004	-0.004	-0.002	-0.003	-0.004	-0.004	-0.002	-0.003	-0.011	2	-0.012	2	9999	Si
184	0	-0.001	-0.002	-0.003	0	-0.001	-0.002	-0.003	0	-0.001	-0.007	2	-0.008	2	9999	Si
206	0.002	0	-0.001	-0.001	0.001	0.001	-0.001	-0.001	0.001	0.001	-0.003	2	-0.004	2	9999	Si
227	0.003	0.002	0.001	0	0.002	0.002	0	0	0.002	0.002	0	2	-0.001	2	9999	Si
249	0.003	0.002	0.001	0.001	0.003	0.002	0.001	0.001	0.003	0.002	0.002	2	0.001	2	9999	Si
260	0.003	0.003	0.002	0.001	0.003	0.003	0.001	0.001	0.003	0.003	0.002	2	0.002	2	9999	Si
282	0.003	0.002	0.002	0.001	0.003	0.002	0.002	0.001	0.003	0.002	0.003	2	0.002	2	9999	Si
295	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.002	2	9999	Si
303	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.002	2	0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
45	12177	24721	38347	SLV 3	0.38	817	1.058	-1129716	-3043210	-1422107	SLV 3	0.03	4	0.119	No
65	11293	24721	38347	SLV 3	0.4	887	1.094	-1129716	-3043210	-1422107	SLV 3	0.03	4	0.119	No
87	10336	24721	38347	SLV 3	0.41	965	1.133	-980053	-2796153	-1422107	SLV 3	0.06	15	0.205	No
97	9857	24721	38347	SLV 3	0.42	1009	1.154	-856758	-2583692	-1422094	SLV 3	0.08	30	0.273	No
119	8899	24721	33952	SLV 3	0.37	735	1.013	-625731	-2158815	-1422094	SLV 3	0.14	83	0.414	No
141	7941	24721	33952	SLV 3	0.38	805	1.052	-415456	-1734032	-1422094	SLV 3	0.22	209	0.605	No
162	6983	24721	33952	SLV 3	0.4	880	1.091	-225931	-1309416	-1422094	SLV 3	0.33	572	0.914	No
184	6026	24721	33952	SLV 3	0.41	958	1.129	-57158	-885141	-1422094	SLV 3	0.55	2189	1.585	Si
206	5068	24721	33952	SLV 3	0.42	1046	1.171	385513	690049	1422094	SLV 1	0.54	2041	1.54	Si
227	4110	24721	30011	SLV 3	0.38	797	1.047	457100	1112632	2208380	SLV 1	0.56	2313	1.621	Si
249	3152	24721	30011	SLV 3	0.39	871	1.086	507937	1517310	2726416	SLV 3	0.52	1899	1.495	Si
260	2674	24721	30011	SLV 3	0.4	909	1.105	525573	1748803	2773160	SLV 3	0.46	1346	1.298	Si
282	1716	24721	30011	SLV 3	0.41	990	1.145	533475	1864992	2773116	SLV 3	0.43	1125	1.206	Si
295	1202	24721	30011	SLV 3	0.42	1039	1.168	533475	1864992	2773116	SLV 3	0.43	1125	1.206	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
45	12177	8680	38347	SLD 3	0.4	931	2.809	-1129716	-1346288	-1422107	SLD 3	0.03	3	0.267	No
65	11293	8680	38347	SLD 3	0.42	1013	2.908	-1129716	-1346288	-1422107	SLD 3	0.03	3	0.267	No
87	10336	8680	38347	SLD 3	0.43	1114	3.023	-980053	-1236989	-1422107	SLD 3	0.05	11	0.455	No
97	9857	8680	38347	SLD 3	0.44	1165	3.079	-856758	-1142995	-1422094	SLD 3	0.07	20	0.582	No
119	8899	8680	33952	SLD 3	0.39	836	2.687	-625731	-955028	-1422094	SLD 3	0.12	58	0.9	No
141	7941	8680	33952	SLD 3	0.4	917	2.791	-415456	-767102	-1422094	SLD 3	0.18	143	1.303	Si
162	6983	8680	33952	SLD 3	0.42	1004	2.897	-225931	-579250	-1422094	SLD 3	0.28	382	1.949	Si
184	6026	8680	33952	SLD 3	0.43	1105	3.013	-57158	-391548	-1422094	SLD 3	0.46	1367	3.288	Si
206	5068	8680	33952	SLD 3	0.44	1209	3.126	385513	305317	1422094	SLD 1	0.45	1274	3.194	Si
227	4110	8680	30011	SLD 3	0.4	908	2.78	457100	492271	2208380	SLD 1	0.47	1442	3.36	Si
249	3152	8680	30011	SLD 3	0.42	994	2.885	507937	671302	2726416	SLD 3	0.44	1187	3.103	Si
260	2674	8680	30011	SLD 3	0.42	1043	2.943	525573	773716	2773160	SLD 3	0.39	850	2.706	Si
282	1716	8680	30011	SLD 3	0.44	1144	3.056	533475	825118	2773116	SLD 3	0.37	721	2.529	Si
295	1202	8680	30011	SLD 3	0.44	1199	3.116	533475	825118	2773116	SLD 3	0.37	721	2.529	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" 49-(2999; 3386)

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x60	Rettangolare	30	60	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - ?, sezione R 30x60, asta 724

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-719438	SLU 30	-615082	-796256	0.099	Si
15	7.6	5.4	11.4	5.4						-514104	SLU 30	-514104	-796256	0.099	Si
40	7.6	5.4	11.4	5.4	-124708	SLU 1	94818	1171175	0.11	-195235	SLU 30	-514104	-796256	0.099	Si
79	7.6	5.4	11.4	5.4	260832	SLU 29	507666	1171175	0.11	123603	SLU 8	-37659	-796256	0.099	Si
119	7.6	5.4	11.4	5.4	647672	SLU 29	851841	1171175	0.11						Si
138	7.6	5.4	11.4	5.4	815340	SLU 29	998177	1171175	0.11						Si
178	7.6	5.4	11.4	5.4	1099171	SLU 29	1239345	1171175	0.11						No
218	7.6	5.4	11.4	5.4	1314331	SLU 29	1411841	1171175	0.11						No
257	7.6	5.4	11.4	5.4	1460818	SLU 29	1515664	1171175	0.11						No
297	7.6	5.4	11.4	5.4	1538633	SLU 29	1551789	1171175	0.11						No

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
336	7.6	5.4	11.4	5.4	1547777	SLU 29	1551789	1171175	0.11						No
376	7.6	5.4	11.4	5.4	1488248	SLU 29	1531733	1171175	0.11						No
415	7.6	5.4	11.4	5.4	1360047	SLU 29	1446196	1171175	0.11						No
435	7.6	5.4	11.4	5.4	1270195	SLU 29	1377676	1171175	0.11						No
475	7.6	5.4	11.4	5.4	1038986	SLU 29	1189131	1171175	0.11						No
514	7.6	5.4	11.4	5.4	739105	SLU 29	931914	1171175	0.11						Si
546	7.6	5.4	11.4	5.4	448109	SLU 29	676677	1171175	0.11						Si
554	7.6	5.4	11.4	5.4	370552	SLU 29	370552	1171175	0.11						Si
593	7.6	5.4	11.4	5.4						-66585	SLU 30	-66585	-796256	0.099	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	10066	SLV 13	10066	1171175	0.11	-984107	SLV 3	-907901	-796256	0.099	No
15	7.6	5.4	11.4	5.4	133642	SLV 13	324640	1171175	0.11	-834263	SLV 3	-834263	-796256	0.099	No
40	7.6	5.4	11.4	5.4	324485	SLV 13	495821	1171175	0.11	-600483	SLV 3	-834263	-796256	0.099	No
79	7.6	5.4	11.4	5.4	593321	SLV 13	736334	1171175	0.11	-262632	SLV 3	-468194	-796256	0.099	Si
119	7.6	5.4	11.4	5.4	816566	SLV 13	931249	1171175	0.11	29455	SLV 3	-147677	-796256	0.099	Si
138	7.6	5.4	11.4	5.4	911089	SLV 13	1011606	1171175	0.11	158339	SLV 3	-4579	-796256	0.099	Si
178	7.6	5.4	11.4	5.4	1065932	SLV 13	1138113	1171175	0.11						Si
218	7.6	5.4	11.4	5.4	1175164	SLV 13	1219008	1171175	0.11						No
257	7.6	5.4	11.4	5.4	1238783	SLV 13	1254287	1171175	0.11						No
297	7.6	5.4	11.4	5.4	1256786	SLV 13	1256786	1171175	0.11						No
336	7.6	5.4	11.4	5.4	1229178	SLV 13	1250648	1171175	0.11						No
376	7.6	5.4	11.4	5.4	1155971	SLV 13	1205769	1171175	0.11						No
415	7.6	5.4	11.4	5.4	1037204	SLV 13	1115301	1171175	0.11						Si
435	7.6	5.4	11.4	5.4	960764	SLV 13	1052987	1171175	0.11						Si
475	7.6	5.4	11.4	5.4	794883	SLV 9	898602	1171175	0.11						Si
514	7.6	5.4	11.4	5.4	589767	SLV 9	721413	1171175	0.11						Si
546	7.6	5.4	11.4	5.4	392791	SLV 5	547726	1171175	0.11						Si
554	7.6	5.4	11.4	5.4	346203	SLV 5	346203	1171175	0.11						Si
593	7.6	5.4	11.4	5.4	69061	SLV 5	69061	1171175	0.11	-164374	SLV 11	-82908	-796256	0.099	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-706989	SLD 3	-634533	-796256	0.099	Si
15	7.6	5.4	11.4	5.4	-136154	SLD 13	66823	1171175	0.11	-564467	SLD 3	-564467	-796256	0.099	Si
40	7.6	5.4	11.4	5.4	66657	SLD 13	249950	1171175	0.11	-342655	SLD 3	-564467	-796256	0.099	Si
79	7.6	5.4	11.4	5.4	354731	SLD 13	509669	1171175	0.11	-24041	SLD 3	-217657	-796256	0.099	Si
119	7.6	5.4	11.4	5.4	597165	SLD 13	723746	1171175	0.11						Si
138	7.6	5.4	11.4	5.4	701266	SLD 13	813668	1171175	0.11						Si
178	7.6	5.4	11.4	5.4	875233	SLD 13	959276	1171175	0.11						Si
218	7.6	5.4	11.4	5.4	1003553	SLD 13	1059235	1171175	0.11						Si
257	7.6	5.4	11.4	5.4	1086223	SLD 13	1113544	1171175	0.11						Si
297	7.6	5.4	11.4	5.4	1123242	SLD 13	1124634	1171175	0.11						Si
336	7.6	5.4	11.4	5.4	1114613	SLD 13	1124634	1171175	0.11						Si
376	7.6	5.4	11.4	5.4	1060341	SLD 13	1098380	1171175	0.11						Si
415	7.6	5.4	11.4	5.4	960443	SLD 13	1026825	1171175	0.11						Si
435	7.6	5.4	11.4	5.4	893397	SLD 13	973941	1171175	0.11						Si
475	7.6	5.4	11.4	5.4	734454	SLD 9	835905	1171175	0.11						Si
514	7.6	5.4	11.4	5.4	532684	SLD 9	662313	1171175	0.11						Si
546	7.6	5.4	11.4	5.4	337769	SLD 5	490966	1171175	0.11						Si
554	7.6	5.4	11.4	5.4	288434	SLD 5	288434	1171175	0.11						Si
593	7.6	5.4	11.4	5.4	3995	SLD 5	3995	1171175	0.11	-99308	SLD 11	-91179	-796256	0.099	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	14120	SLU 30	14120	6713	43335	0	6713	1	Si
15	0.151	7.6	0	13464	SLU 30	13464	6713	43335	14796	14796	1	Si
40	0.151	7.6	0	12387	SLU 30	12387	6713	43335	14796	14796	1	Si
79	0.11	11.4	0	10650	SLU 30	10650	7685	43335	10808	10808	1	Si
119	0.11	11.4	0	8914	SLU 30	8914	7685	43335	10808	10808	1	Si
138	0.11	11.4	0	8046	SLU 30	8046	7685	43335	10808	10808	1	Si
178	0.11	11.4	0	6309	SLU 30	6309	7685	43335	10808	10808	1	Si
218	0.11	11.4	0	4573	SLU 30	4573	7685	43335	10808	10808	1	Si
257	0.11	11.4	0	2836	SLU 30	2836	7685	43335	10808	10808	1	Si
297	0.11	11.4	0	1100	SLU 30	1100	7685	43335	10808	10808	1	Si
336	0.11	11.4	0	-637	SLU 29	-637	-7685	-43335	-10808	-10808	1	Si
376	0.11	11.4	0	-2373	SLU 29	-2373	-7685	-43335	-10808	-10808	1	Si
415	0.11	11.4	0	-4110	SLU 29	-4110	-7685	-43335	-10808	-10808	1	Si
435	0.11	11.4	0	-4978	SLU 29	-4978	-7685	-43335	-10808	-10808	1	Si
475	0.11	11.4	0	-6714	SLU 29	-6714	-7685	-43335	-10808	-10808	1	Si
514	0.101	11.4	0	-8451	SLU 29	-8451	-7685	-43335	-9864	-9864	1	Si
546	0.101	11.4	0	-9838	SLU 29	-9838	-7685	-43335	-9864	-9864	1	Si
554	0	11.4	0	-10187	SLU 29	-10187	-7685	-43335	0	-7685	1	Si
593	0	7.6	0	-11755	SLU 29	-11755	-6713	-43335	0	-6713	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	10325	SLV 1	10565	6713	43335	0	6713	1	Si
15	0.151	7.6	0	9888	SLV 1	10128	6713	43335	14796	14796	1	Si
40	0.151	7.6	0	9172	SLV 1	9412	6713	43335	14796	14796	1	Si
79	0.11	7.6	0	8017	SLV 1	8257	6713	43335	10808	10808	1	Si
119	0.11	11.4	0	6862	SLV 1	7102	7685	43335	10808	10808	1	Si
138	0.11	11.4	0	6284	SLV 1	6524	7685	43335	10808	10808	1	Si
178	0.11	11.4	0	5129	SLV 1	5369	7685	43335	10808	10808	1	Si
218	0.11	11.4	0	3974	SLV 1	4214	7685	43335	10808	10808	1	Si
257	0.11	11.4	0	2819	SLV 1	3059	7685	43335	10808	10808	1	Si
297	0.11	11.4	0	1664	SLV 1	1904	7685	43335	10808	10808	1	Si
297	0.11	11.4	0	-184	SLV 15	-424	-7685	-43335	-10808	-10808	1	Si
336	0.11	11.4	0	509	SLV 1	749	7685	43335	10808	10808	1	Si
336	0.11	11.4	0	-1339	SLV 15	-1579	-7685	-43335	-10808	-10808	1	Si
376	0.11	11.4	0	-2494	SLV 15	-2734	-7685	-43335	-10808	-10808	1	Si
415	0.11	11.4	0	-3649	SLV 15	-3889	-7685	-43335	-10808	-10808	1	Si
435	0.11	11.4	0	-4226	SLV 15	-4467	-7685	-43335	-10808	-10808	1	Si
475	0.11	11.4	0	-5381	SLV 15	-5622	-7685	-43335	-10808	-10808	1	Si
514	0.101	11.4	0	-6536	SLV 15	-6777	-7685	-43335	-9864	-9864	1	Si
546	0.101	11.4	0	-7459	SLV 15	-7699	-7685	-43335	-9864	-9864	1	Si
554	0	11.4	0	-7691	SLV 15	-7932	-7685	-43335	0	-7685	1	Si
593	0	7.6	0	-8737	SLV 15	-8977	-6713	-43335	0	-6713	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	9810	SLD 1	9810	6713	43335	0	6713	1	Si
15	0.151	7.6	0	9373	SLD 1	9373	6713	43335	14796	14796	1	Si
40	0.151	7.6	0	8657	SLD 1	8657	6713	43335	14796	14796	1	Si
79	0.11	7.6	0	7502	SLD 1	7502	6713	43335	10808	10808	1	Si
119	0.11	11.4	0	6347	SLD 1	6347	7685	43335	10808	10808	1	Si
138	0.11	11.4	0	5769	SLD 1	5769	7685	43335	10808	10808	1	Si
178	0.11	11.4	0	4614	SLD 1	4614	7685	43335	10808	10808	1	Si
218	0.11	11.4	0	3459	SLD 1	3459	7685	43335	10808	10808	1	Si
257	0.11	11.4	0	2304	SLD 1	2304	7685	43335	10808	10808	1	Si
297	0.11	11.4	0	1149	SLD 1	1149	7685	43335	10808	10808	1	Si
336	0.11	11.4	0	-824	SLD 15	-824	-7685	-43335	-10808	-10808	1	Si
376	0.11	11.4	0	-1979	SLD 15	-1979	-7685	-43335	-10808	-10808	1	Si
415	0.11	11.4	0	-3134	SLD 15	-3134	-7685	-43335	-10808	-10808	1	Si
435	0.11	11.4	0	-3711	SLD 15	-3711	-7685	-43335	-10808	-10808	1	Si
475	0.11	11.4	0	-4866	SLD 15	-4866	-7685	-43335	-10808	-10808	1	Si
514	0.101	11.4	0	-6021	SLD 15	-6021	-7685	-43335	-9864	-9864	1	Si
546	0.101	11.4	0	-6944	SLD 15	-6944	-7685	-43335	-9864	-9864	1	Si
554	0	11.4	0	-7176	SLD 15	-7176	-7685	-43335	0	-7685	1	Si
593	0	7.6	0	-8222	SLD 15	-8222	-6713	-43335	0	-6713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-526048	3	-450192	28.3	124.5	1193.3	1837	-487021	2	-417542	26.2	93.4	0	+∞	Si
15	-376792	3	-376792	23.6	124.5	998.8	1837	-350311	2	-350311	22	93.4	0	+∞	Si
40	-145004	3	-376792	23.6	124.5	998.8	1837	-137999	2	-350311	22	93.4	0	+∞	Si
79	186496	2	365939	21.5	124.5	658.3	1837	165345	2	329749	19.4	93.4	0	+∞	Si
119	467725	2	616166	36.2	124.5	1108.4	1837	423010	2	559037	32.9	93.4	0	+∞	Si
138	589626	2	722566	42.5	124.5	1299.8	1837	534714	2	656551	38.6	93.4	0	+∞	Si
178	796003	2	897941	52.8	124.5	1615.2	1837	723862	2	817321	48	93.4	0	+∞	Si
218	952479	2	1023415	60.1	124.5	1840.9	1837	867332	2	932413	54.8	93.4	0	+∞	Si
257	1059054	2	1098988	64.6	124.5	1976.9	1837	965124	2	1001826	58.9	93.4	0	+∞	Si
297	1115728	2	1125351	66.1	124.5	2024.3	1837	1017238	2	1026166	60.3	93.4	0	+∞	Si
336	1122500	2	1125351	66.1	124.5	2024.3	1837	1023674	2	1026166	60.3	93.4	0	+∞	Si
376	1079372	2	1110891	65.3	124.5	1998.3	1837	984432	2	1013137	59.5	93.4	0	+∞	Si
415	986342	2	1048863	61.6	124.5	1886.7	1837	899511	2	956595	56.2	93.4	0	+∞	Si
435	921115	2	999137	58.7	124.5	1797.3	1837	839922	2	911194	53.5	93.4	0	+∞	Si
475	753234	2	862258	50.7	124.5	1551	1837	686484	2	786135	46.2	93.4	0	+∞	Si
514	535452	2	675478	39.7	124.5	1215.1	1837	487368	2	615398	36.2	93.4	0	+∞	Si
546	324100	2	490111	28.8	124.5	881.6	1837	294091	2	445907	26.2	93.4	0	+∞	Si
554	267768	2	267768	15.7	124.5	481.7	1837	242574	2	242574	14.3	93.4	0	+∞	Si
593	-49737	3	-49737	3.1	124.5	131.8	1837	-47657	2	-47657	3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.017	0.013	0.027	0.016	0.016	0.013	0.024	0.017	0.016	0.013	0.049	2	0.039	2	9999	Si
40	0.046	0.036	0.073	0.044	0.043	0.036	0.064	0.044	0.042	0.036	0.13	2	0.104	2	4562	Si
79	0.094	0.072	0.147	0.089	0.087	0.072	0.129	0.09	0.085	0.072	0.263	2	0.21	2	2255	Si
119	0.139	0.108	0.22	0.134	0.13	0.108	0.192	0.134	0.127	0.108	0.393	2	0.314	2	1511	Si
138	0.16	0.124	0.255	0.155	0.149	0.124	0.223	0.155	0.146	0.124	0.455	2	0.363	2	1305	Si
178	0.197	0.153	0.32	0.194	0.184	0.153	0.28	0.194	0.18	0.153	0.568	2	0.454	2	1045	Si
218	0.227	0.176	0.373	0.226	0.211	0.176	0.327	0.227	0.206	0.176	0.659	2	0.528	2	901	Si
257	0.246	0.191	0.411	0.249	0.229	0.191	0.36	0.25	0.224	0.191	0.72	2	0.579	2	823	Si
297	0.254	0.197	0.429	0.261	0.237	0.198	0.376	0.261	0.232	0.198	0.749	2	0.603	2	792	Si
316	0.254	0.197	0.43	0.261	0.237	0.198	0.377	0.262	0.232	0.198	0.75	2	0.604	2	791	Si
336	0.252	0.195	0.425	0.259	0.235	0.196	0.373	0.259	0.229	0.196	0.742	2	0.598	2	799	Si
376	0.237	0.184	0.399	0.243	0.222	0.185	0.35	0.243	0.216	0.185	0.699	2	0.563	2	848	Si
415	0.212	0.165	0.353	0.215	0.198	0.165	0.31	0.215	0.193	0.165	0.622	2	0.501	2	953	Si
435	0.196	0.152	0.323	0.197	0.183	0.152	0.284	0.197	0.178	0.152	0.572	2	0.46	2	1037	Si
475	0.156	0.121	0.253	0.154	0.145	0.121	0.222	0.154	0.142	0.121	0.452	2	0.362	2	1313	Si
514	0.108	0.084	0.173	0.106	0.101	0.084	0.152	0.106	0.099	0.084	0.31	2	0.249	2	1911	Si
546	0.066	0.051	0.105	0.064	0.062	0.051	0.092	0.064	0.06	0.051	0.189	2	0.151	2	3140	Si
554	0.055	0.043	0.088	0.054	0.051	0.043	0.077	0.054	0.05	0.043	0.158	2	0.126	2	3763	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	8964	1164	14796	SLV 1	0.57	2474	1.666	-350311	-483953	-796256	SLV 3	0.34	584	0.922	No
40	8248	1164	14796	SLV 1	0.57	2474	1.666	-350311	-483953	-796256	SLV 3	0.34	584	0.922	No
79	7093	1164	10808	SLV 1	0.57	2474	1.666	-18788	-449406	-796256	SLV 3	0.57	2474	1.666	Si
119	5938	1164	10808	SLV 1	0.57	2474	1.666	559037	372213	1171175	SLV 13	0.57	2474	1.666	Si
138	5360	1164	10808	SLV 1	0.57	2474	1.666	656551	355055	1171175	SLV 13	0.52	1855	1.481	Si
178	4205	1164	10808	SLV 1	0.57	2474	1.666	817321	320793	1171175	SLV 13	0.4	904	1.103	Si
218	3050	1164	10808	SLV 1	0.57	2474	1.666	932413	286595	1171175	SLV 13	0.31	459	0.835	No
257	1895	1164	10808	SLV 1	0.57	2474	1.666	1001826	252461	1171175	SLV 13	0.25	286	0.688	No
297	740	1164	10808	SLV 1	0.57	2474	1.666	1017238	239548	1171175	SLV 13	0.24	261	0.663	No
336	-415	-1164	-10808	SLV 15	0.57	2474	1.666	1024001	226648	1171175	SLV 13	0.24	267	0.669	No
376	-1570	-1164	-10808	SLV 15	0.57	2474	1.666	1013137	192632	1171175	SLV 13	0.3	444	0.824	No
415	-2725	-1164	-10808	SLV 15	0.57	2474	1.666	956595	158706	1171175	SLV 13	0.48	1540	1.372	Si
435	-3302	-1164	-10808	SLV 15	0.57	2474	1.666	911194	141793	1171175	SLV 13	0.57	2474	1.666	Si
475	-4457	-1164	-10808	SLV 15	0.57	2474	1.666	786135	112467	1171175	SLV 9	0.57	2474	1.666	Si
514	-5612	-1164	-9864	SLV 15	0.57	2474	1.666	615398	106015	1171175	SLV 9	0.57	2474	1.666	Si
546	-6535	-1164	-9864	SLV 15	0.57	2474	1.666	294091	98700	1171175	SLV 5	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	8964	409	14796	SLD 1	0.6	2474	4.193	-350311	-214156	-796256	SLD 3	0.28	389	1.964	Si
40	8248	409	14796	SLD 1	0.6	2474	4.193	-350311	-214156	-796256	SLD 3	0.28	389	1.964	Si
79	7093	409	10808	SLD 1	0.6	2474	4.193	-18788	-198869	-796256	SLD 3	0.52	1855	3.726	Si
119	5938	409	10808	SLD 1	0.6	2474	4.193	559037	164710	1171175	SLD 13	0.49	1620	3.525	Si
138	5360	409	10808	SLD 1	0.6	2474	4.193	656551	157117	1171175	SLD 13	0.44	1159	3.073	Si
178	4205	409	10808	SLD 1	0.6	2474	4.193	817321	141956	1171175	SLD 13	0.34	586	2.323	Si
218	3050	409	10808	SLD 1	0.6	2474	4.193	932413	126823	1171175	SLD 13	0.26	313	1.796	Si
257	1895	409	10808	SLD 1	0.6	2474	4.193	1001826	111718	1171175	SLD 13	0.21	194	1.476	Si
297	740	409	10808	SLD 1	0.6	2474	4.193	1026166	98467	1171175	SLD 13	0.2	183	1.442	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
336	-415	-409	-10808	SLD 15	0.6	2474	4.193	1026166	98467	1171175	SLD 13	0.2	183	1.442	Si
376	-1570	-409	-10808	SLD 15	0.6	2474	4.193	1013137	85243	1171175	SLD 13	0.25	301	1.768	Si
415	-2725	-409	-10808	SLD 15	0.6	2474	4.193	956595	70231	1171175	SLD 13	0.41	962	2.847	Si
435	-3302	-409	-10808	SLD 15	0.6	2474	4.193	911194	62746	1171175	SLD 13	0.55	2168	3.972	Si
475	-4457	-409	-10808	SLD 15	0.6	2474	4.193	786135	49770	1171175	SLD 9	0.6	2474	4.193	Si
514	-5612	-409	-9864	SLD 15	0.6	2474	4.193	615398	46916	1171175	SLD 9	0.6	2474	4.193	Si
546	-6535	-409	-9864	SLD 15	0.6	2474	4.193	294091	43678	1171175	SLD 5	0.6	2474	4.193	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" 49A-(2361; 3226)

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 49A - 49B, sezione R 45x70, aste 676, 677

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	5.4	729363	SLU 30	723988	2773116	0.1						Si
22	15.21	5.4	22.81	5.4	709887	SLU 30	709821	2773116	0.1						Si
23	15.21	5.4	22.81	5.4	709185	SLU 30	709185	2773116	0.1						Si
44	15.21	5.4	22.81	5.4	671845	SLU 30	709185	2773116	0.1						Si
66	14.86	5.4	22.81	5.4	615235	SLU 30	685533	2773150	0.101						Si
88	12.79	5.4	22.81	5.4	540062	SLU 29	634878	2773192	0.103						Si
99	11.75	5.4	22.81	5.4	495591	SLU 29	602588	2773232	0.104						Si
121	7.6	5.4	20.29	5.4	392723	SLU 29	524114	2476111	0.106						Si
143	7.6	5.4	11.4	5.4	271289	SLU 29	427200	1422093	0.084						Si
165	7.6	5.4	11.4	5.4	130895	SLU 29	311720	1422093	0.084	74286	SLU 8	-84538	-970824	0.078	Si
187	7.6	5.4	11.4	5.4	-18915	SLU 1	177470	1422093	0.084	-30651	SLU 36	-268377	-970824	0.078	Si
209	7.6	5.4	11.4	5.4	-125108	SLU 1	24264	1422093	0.084	-206865	SLU 30	-470783	-970824	0.078	Si
231	7.6	5.4	11.4	5.4						-403317	SLU 30	-691756	-970824	0.078	Si
253	7.6	5.4	11.4	5.4						-618336	SLU 30	-931295	-970824	0.078	Si
264	7.6	5.4	11.4	5.4						-732808	SLU 30	-1058028	-970824	0.078	No
286	7.6	5.4	11.4	5.4						-975677	SLU 30	-1231155	-970824	0.078	No
308	7.6	5.4	11.4	5.4						-1231155	SLU 30	-1231155	-970824	0.078	No
308	7.6	5.4	11.4	5.4						-1237180	SLU 30	-1237099	-970824	0.078	No
330	7.6	5.4	11.4	5.4						-1532533	SLU 30	-1369475	-970824	0.078	No

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	5.4	2738525	SLV 15	2614117	2773116	0.1	-1721008	SLV 1	-1605725	-1872416	0.087	Si
22	15.21	5.4	22.81	5.4	2488964	SLV 15	2488864	2773116	0.1	-1501446	SLV 1	-1501436	-1872416	0.087	Si
23	15.21	5.4	22.81	5.4	2483240	SLV 15	2483240	2773116	0.1	-1496754	SLV 1	-1496754	-1872416	0.087	Si
44	15.21	5.4	22.81	5.4	2226844	SLV 15	2483240	2773116	0.1	-1294488	SLV 1	-1496754	-1872416	0.087	Si
66	14.86	5.4	22.81	5.4	1952177	SLV 15	2311909	2773150	0.101	-1100147	SLV 1	-1359846	-1831978	0.087	Si
88	12.79	5.4	22.81	5.4	1664989	SLV 15	2041265	2773192	0.103	-918448	SLV 1	-1161458	-1586183	0.085	Si
99	11.75	5.4	22.81	5.4	1516715	SLV 15	1901242	2773232	0.104	-832353	SLV 1	-1066999	-1463273	0.084	Si
121	7.6	5.4	20.29	5.4	1210880	SLV 15	1611815	2476111	0.106	-669752	SLV 1	-887572	-971592	0.08	Si
143	7.6	5.4	11.4	5.4	893072	SLV 15	1309945	1422093	0.084	-520340	SLV 1	-720866	-970824	0.078	Si
165	7.6	5.4	11.4	5.4	570632	SLV 15	995906	1422093	0.084	-391992	SLV 1	-567153	-970824	0.078	Si
187	7.6	5.4	11.4	5.4	297782	SLV 13	673316	1422093	0.084	-338666	SLV 3	-485926	-970824	0.078	Si
209	7.6	5.4	11.4	5.4	139638	SLV 9	386015	1422093	0.084	-425210	SLV 7	-795894	-970824	0.078	Si
231	7.6	5.4	11.4	5.4	137074	SLV 5	175847	1422093	0.084	-692497	SLV 11	-1126944	-970824	0.078	No
253	7.6	5.4	11.4	5.4	168422	SLV 5	192020	1422093	0.084	-1018860	SLV 11	-1471364	-970824	0.078	No
264	7.6	5.4	11.4	5.4	179999	SLV 5	195468	1422093	0.084	-1187379	SLV 11	-1648371	-970824	0.078	No
286	7.6	5.4	11.4	5.4	193972	SLV 5	206844	1422093	0.084	-1534111	SLV 11	-1896751	-970824	0.078	No
308	7.6	5.4	11.4	5.4	206844	SLV 1	206844	1422093	0.084	-1896751	SLV 15	-1896751	-970824	0.078	No
308	7.6	5.4	11.4	5.4	207925	SLV 1	207925	1422093	0.084	-1906077	SLV 15	-1905972	-970824	0.078	No
330	7.6	5.4	11.4	5.4	240748	SLV 1	232116	1422093	0.084	-2342074	SLV 15	-2111327	-970824	0.078	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	5.4	1495485	SLD 15	1437887	2773116	0.1	-477968	SLD 1	-429496	-1872416	0.087	Si
22	15.21	5.4	22.81	5.4	1376686	SLD 15	1376617	2773116	0.1	-389168	SLD 1	-389168	-1872416	0.087	Si
23	15.21	5.4	22.81	5.4	1373866	SLD 15	1373866	2773116	0.1	-387379	SLD 1	-387379	-1872416	0.087	Si
44	15.21	5.4	22.81	5.4	1245316	SLD 15	1373866	2773116	0.1	-312960	SLD 1	-387379	-1872416	0.087	Si
66	14.86	5.4	22.81	5.4	1101380	SLD 15	1288453	2773150	0.101	-249350	SLD 1	-336390	-1831978	0.087	Si
88	12.79	5.4	22.81	5.4	944889	SLD 15	1148546	2773192	0.103	-198347	SLD 1	-268739	-1586183	0.085	Si
99	11.75	5.4	22.81	5.4	861942	SLD 15	1073882	2773232	0.104	-177580	SLD 1	-239639	-1463273	0.084	Si
121	7.6	5.4	20.29	5.4	686678	SLD 15	915142	2476111	0.106	-145550	SLD 1	-190900	-971592	0.08	Si
143	7.6	5.4	11.4	5.4	499102	SLD 15	743882	1422093	0.084	-126370	SLD 1	-154803	-970824	0.078	Si
165	7.6	5.4	11.4	5.4	302315	SLD 15	560224	1422093	0.084	-123674	SLD 1	-176965	-970824	0.078	Si
187	7.6	5.4	11.4	5.4	120381	SLD 13	365691	1422093	0.084	-161265	SLD 3	-318191	-970824	0.078	Si
209	7.6	5.4	11.4	5.4	-17808	SLD 9	179612	1422093	0.084	-267764	SLD 7	-532825	-970824	0.078	Si
231	7.6	5.4	11.4	5.4	-94162	SLD 5	13058	1422093	0.084	-461261	SLD 11	-763802	-970824	0.078	Si
253	7.6	5.4	11.4	5.4						-687915	SLD 11	-1007710	-970824	0.078	No
264	7.6	5.4	11.4	5.4						-806234	SLD 11	-1134417	-970824	0.078	No

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
286	7.6	5.4	11.4	5.4						-1052423	SLD 11	-1310397	-970824	0.078	No
308	7.6	5.4	11.4	5.4						-1310397	SLD 15	-1310397	-970824	0.078	No
308	7.6	5.4	11.4	5.4						-1316822	SLD 15	-1316745	-970824	0.078	No
330	7.6	5.4	11.4	5.4						-1622141	SLD 15	-1458117	-970824	0.078	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	-607	SLU 26	-607	-13761	-76908	0	-13761	1	Si
22	0	22.81	0	-1303	SLU 36	-1303	-13761	-76908	0	-13761	1	Si
23	0.144	22.81	0	-1321	SLU 36	-1321	-13761	-76908	-16673	-16673	1	Si
44	0.144	22.52	0	-2144	SLU 30	-2144	-13702	-76908	-16673	-16673	1	Si
66	0.144	18.07	0	-2992	SLU 30	-2992	-12733	-76908	-16673	-16673	1	Si
88	0.144	11.4	0	-3839	SLU 30	-3839	-10922	-76908	-16673	-16673	1	Si
99	0.173	11.4	0	-4263	SLU 30	-4263	-10922	-76908	-20099	-20099	1	Si
121	0.173	11.4	0	-5111	SLU 30	-5111	-10922	-76908	-20099	-20099	1	Si
143	0.173	11.4	0	-5958	SLU 30	-5958	-10922	-76908	-20099	-20099	1	Si
165	0.173	11.4	0	-6805	SLU 30	-6805	-10922	-76908	-20099	-20099	1	Si
187	0.173	7.6	0	-7653	SLU 30	-7653	-9541	-76908	-20099	-20099	1	Si
209	0.173	7.6	0	-8500	SLU 30	-8500	-9541	-76908	-20099	-20099	1	Si
231	0.173	7.6	0	-9348	SLU 30	-9348	-9541	-76908	-20099	-20099	1	Si
253	0.201	7.6	0	-10195	SLU 30	-10195	-9541	-76908	-23342	-23342	1	Si
264	0.201	7.6	0	-10619	SLU 30	-10619	-9541	-76908	-23342	-23342	1	Si
286	0.201	7.6	0	-11466	SLU 30	-11466	-9541	-76908	-23342	-23342	1	Si
308	0.201	7.6	0	-12295	SLU 30	-12295	-9541	-76908	-23342	-23342	1	Si
308	0	7.6	0	-12339	SLU 30	-12339	-9541	-76908	0	-9541	1	Si
330	0	7.6	0	-14491	SLU 30	-14491	-9541	-76908	0	-9541	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.86	0	10273	SLV 1	13045	11930	76908	0	11930	1	Si
0	0	22.81	0	-11047	SLV 15	-13818	-13761	-76908	0	-13761	1	Si
22	0	12.79	0	9699	SLV 1	12471	11347	76908	0	11347	1	Si
22	0	22.81	0	-11621	SLV 15	-14392	-13761	-76908	0	-13761	1	Si
23	0.144	12.79	0	9686	SLV 1	12458	11347	76908	16673	16673	1	Si
23	0.144	22.81	0	-11633	SLV 15	-14405	-13761	-76908	-16673	-16673	1	Si
44	0.144	10.71	0	9125	SLV 1	11896	10697	76908	16673	16673	1	Si
44	0.144	22.52	0	-12195	SLV 15	-14967	-13702	-76908	-16673	-16673	1	Si
66	0.144	7.6	0	8551	SLV 1	11322	9541	76908	16673	16673	1	Si
66	0.144	18.07	0	-12769	SLV 15	-15541	-12733	-76908	-16673	-16673	1	Si
88	0.144	7.6	0	7976	SLV 1	10748	9541	76908	16673	16673	1	Si
88	0.144	11.4	0	-13344	SLV 15	-16115	-10922	-76908	-16673	-16673	1	Si
99	0.173	7.6	0	7689	SLV 1	10461	9541	76908	20099	20099	1	Si
99	0.173	11.4	0	-13631	SLV 15	-16402	-10922	-76908	-20099	-20099	1	Si
121	0.173	7.6	0	7115	SLV 1	9887	9541	76908	20099	20099	1	Si
121	0.173	11.4	0	-14205	SLV 15	-16976	-10922	-76908	-20099	-20099	1	Si
143	0.173	7.6	0	6541	SLV 1	9312	9541	76908	20099	20099	1	Si
143	0.173	11.4	0	-14779	SLV 15	-17551	-10922	-76908	-20099	-20099	1	Si
165	0.173	7.6	0	5966	SLV 1	8738	9541	76908	20099	20099	1	Si
165	0.173	11.4	0	-15353	SLV 15	-18125	-10922	-76908	-20099	-20099	1	Si
187	0.173	7.6	0	5392	SLV 1	8164	9541	76908	20099	20099	1	Si
187	0.173	11.4	0	-15928	SLV 15	-18699	-10922	-76908	-20099	-20099	1	Si
209	0.173	7.6	0	4818	SLV 1	7589	9541	76908	20099	20099	1	Si
209	0.173	7.6	0	-16502	SLV 15	-19274	-9541	-76908	-20099	-20099	1	Si
231	0.173	7.6	0	4244	SLV 1	7015	9541	76908	20099	20099	1	Si
231	0.173	7.6	0	-17076	SLV 15	-19848	-9541	-76908	-20099	-20099	1	Si
253	0.201	11.4	0	3669	SLV 1	6441	10922	76908	23342	23342	1	Si
253	0.201	7.6	0	-17650	SLV 15	-20422	-9541	-76908	-23342	-23342	1	Si
264	0.201	11.4	0	3382	SLV 1	6154	10922	76908	23342	23342	1	Si
264	0.201	7.6	0	-17938	SLV 15	-20709	-9541	-76908	-23342	-23342	1	Si
286	0.201	11.4	0	2808	SLV 1	5580	10922	76908	23342	23342	1	Si
286	0.201	7.6	0	-18512	SLV 15	-21283	-9541	-76908	-23342	-23342	1	Si
308	0.201	11.4	0	2246	SLV 1	5018	10922	76908	23342	23342	1	Si
308	0.201	7.6	0	-19073	SLV 15	-21845	-9541	-76908	-23342	-23342	1	Si
308	0	11.4	0	2217	SLV 1	4989	10922	76908	0	10922	1	Si
308	0	7.6	0	-19103	SLV 15	-21874	-9541	-76908	0	-9541	1	Si
330	0	11.4	0	790	SLV 1	3561	10922	76908	0	10922	1	Si
330	0	7.6	0	-20530	SLV 15	-23302	-9541	-76908	0	-9541	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.86	0	4331	SLD 1	4331	11930	76908	0	11930	1	Si
0	0	22.81	0	-5104	SLD 15	-5104	-13761	-76908	0	-13761	1	Si
22	0	12.79	0	3756	SLD 1	3756	11347	76908	0	11347	1	Si
22	0	22.81	0	-5678	SLD 15	-5678	-13761	-76908	0	-13761	1	Si
23	0.144	12.79	0	3744	SLD 1	3744	11347	76908	16673	16673	1	Si
23	0.144	22.81	0	-5691	SLD 15	-5691	-13761	-76908	-16673	-16673	1	Si
44	0.144	10.71	0	3182	SLD 1	3182	10697	76908	16673	16673	1	Si
44	0.144	22.52	0	-6252	SLD 15	-6252	-13702	-76908	-16673	-16673	1	Si
66	0.144	7.6	0	2608	SLD 1	2608	9541	76908	16673	16673	1	Si
66	0.144	18.07	0	-6827	SLD 15	-6827	-12733	-76908	-16673	-16673	1	Si
88	0.144	7.6	0	2034	SLD 1	2034	9541	76908	16673	16673	1	Si
88	0.144	11.4	0	-7401	SLD 15	-7401	-10922	-76908	-16673	-16673	1	Si
99	0.173	7.6	0	1747	SLD 1	1747	9541	76908	20099	20099	1	Si
99	0.173	11.4	0	-7688	SLD 15	-7688	-10922	-76908	-20099	-20099	1	Si
121	0.173	7.6	0	1172	SLD 1	1172	9541	76908	20099	20099	1	Si
121	0.173	11.4	0	-8262	SLD 15	-8262	-10922	-76908	-20099	-20099	1	Si
143	0.173	7.6	0	598	SLD 1	598	9541	76908	20099	20099	1	Si
143	0.173	11.4	0	-8837	SLD 15	-8837	-10922	-76908	-20099	-20099	1	Si
165	0.173	7.6	0	24	SLD 1	24	9541	76908	20099	20099	1	Si
165	0.173	11.4	0	-9411	SLD 15	-9411	-10922	-76908	-20099	-20099	1	Si
187	0.173	11.4	0	-9985	SLD 15	-9985	-10922	-76908	-20099	-20099	1	Si
209	0.173	7.6	0	-10559	SLD 15	-10559	-9541	-76908	-20099	-20099	1	Si
231	0.173	7.6	0	-11134	SLD 15	-11134	-9541	-76908	-20099	-20099	1	Si
253	0.201	7.6	0	-11708	SLD 15	-11708	-9541	-76908	-23342	-23342	1	Si
264	0.201	7.6	0	-11995	SLD 15	-11995	-9541	-76908	-23342	-23342	1	Si
286	0.201	7.6	0	-12569	SLD 15	-12569	-9541	-76908	-23342	-23342	1	Si
308	0.201	7.6	0	-13131	SLD 15	-13131	-9541	-76908	-23342	-23342	1	Si
308	0	7.6	0	-13160	SLD 15	-13160	-9541	-76908	0	-9541	1	Si
330	0	7.6	0	-14587	SLD 15	-14587	-9541	-76908	0	-9541	1	Si

Verifiche delle tensioni in esercizio

x	Rara	Quasi permanente	Verifica

	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	539491	3	535196	13.9	124.5	406.1	1837	508759	2	504196	13.1	93.4	0	+∞	Si
22	524530	3	524482	13.6	124.5	398	1837	493759	2	493714	12.8	93.4	0	+∞	Si
23	524001	3	524001	13.6	124.5	397.6	1837	493243	2	493243	12.8	93.4	0	+∞	Si
44	495983	3	524001	13.6	124.5	397.6	1837	466178	2	493243	12.8	93.4	0	+∞	Si
66	453849	3	506227	13.2	124.5	384.3	1837	426015	2	476032	12.4	93.4	0	+∞	Si
88	398131	2	468450	12.6	124.5	356.5	1837	373271	2	439904	11.8	93.4	0	+∞	Si
99	365229	2	444467	12.1	124.5	338.7	1837	342181	2	417122	11.3	93.4	0	+∞	Si
121	289235	2	386332	11.5	124.5	331	1837	270564	2	362121	10.8	93.4	0	+∞	Si
143	199655	2	314695	11.4	124.5	468.5	1837	186366	2	294539	10.7	93.4	0	+∞	Si
165	96200	2	229471	8.3	124.5	341.7	1837	89320	2	214376	7.8	93.4	0	+∞	Si
187	-22577	9	-197581	4.4	124.5	68.5	1837	-20442	2	-185046	7.4	93.4	0	+∞	Si
209	-152342	3	-346403	7.8	124.5	120.1	1837	-142786	2	-324007	13	93.4	0	+∞	Si
231	-296807	3	-508812	11.4	124.5	176.4	1837	-277712	2	-475549	19.1	93.4	0	+∞	Si
253	-454858	3	-684806	15.4	124.5	237.5	1837	-425219	2	-639672	25.7	93.4	0	+∞	Si
264	-538979	3	-777899	17.5	124.5	269.8	1837	-503690	2	-726452	29.2	93.4	0	+∞	Si
286	-717410	3	-905053	20.3	124.5	313.8	1837	-670069	2	-844954	33.9	93.4	0	+∞	Si
308	-905053	3	-905053	20.3	124.5	313.8	1837	-844954	2	-844954	33.9	93.4	0	+∞	Si
308	-909477	3	-909418	20.4	124.5	315.4	1837	-849076	2	-849021	34.1	93.4	0	+∞	Si
330	-1126168	3	-1006632	40.4	124.5	2214.9	1837	-1050663	2	-939605	37.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
23	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
44	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.004	0.003	0.006	2	0.005	2	9999	Si
66	0.005	0.004	0.003	0.003	0.005	0.004	0.003	0.003	0.004	0.004	0.007	2	0.006	2	9999	Si
88	0.005	0.004	0.003	0.003	0.005	0.004	0.003	0.003	0.005	0.004	0.007	2	0.007	2	9999	Si
99	0.005	0.004	0.003	0.003	0.005	0.004	0.003	0.003	0.005	0.004	0.007	2	0.006	2	9999	Si
121	0.004	0.004	0.003	0.002	0.004	0.004	0.003	0.002	0.004	0.004	0.006	2	0.005	2	9999	Si
143	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.004	2	0.003	2	9999	Si
165	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.001	2	0.001	2	9999	Si
187	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	-0.002	2	-0.002	2	9999	Si
209	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.004	1	-0.005	1	9999	Si
231	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.006	1	-0.007	1	9999	Si
253	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.008	1	-0.008	1	9999	Si
264	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.009	1	9999	Si
286	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.007	1	-0.008	1	9999	Si
308	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
308	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-974	-13432	-16673	SLV 15	0.42	1047	1.171	493243	1989997	2773116	SLV 15	0.41	993	1.146	Si
44	-1535	-13432	-16673	SLV 15	0.41	952	1.126	493243	1989997	2773116	SLV 15	0.41	993	1.146	Si
66	-2109	-13432	-16673	SLV 15	0.39	867	1.084	476032	1835878	2773150	SLV 15	0.45	1254	1.261	Si
88	-2684	-13432	-16673	SLV 15	0.38	786	1.041	439904	-1601362	-1586183	SLV 1	0.46	1291	1.276	Si
99	-2971	-13432	-20099	SLV 15	0.46	1318	1.287	417122	-1484120	-1463273	SLV 1	0.46	1296	1.278	Si
121	-3545	-13432	-20099	SLV 15	0.44	1205	1.241	362121	-1249694	-971592	SLV 1	0.39	834	1.067	Si
143	-4119	-13432	-20099	SLV 15	0.43	1097	1.194	294539	1015406	1422093	SLV 15	0.4	919	1.11	Si
165	-4693	-13432	-20099	SLV 15	0.42	996	1.148	214376	-781530	-970824	SLV 1	0.54	2094	1.556	Si
187	-5268	-13432	-20099	SLV 15	0.4	906	1.104	121494	-551822	-970824	SLV 1	0.57	2474	1.666	Si
209	-5842	-13432	-20099	SLV 15	0.39	823	1.061	-324007	-471887	-970824	SLV 11	0.49	1597	1.393	Si
231	-6416	-13432	-20099	SLV 15	0.37	744	1.018	-475549	-651396	-970824	SLV 11	0.28	376	0.77	No
253	-6991	-13432	-23342	SLV 15	0.44	1166	1.224	-639672	-831692	-970824	SLV 11	0.15	96	0.44	No
264	-7278	-13432	-23342	SLV 15	0.43	1113	1.201	-726452	-921919	-970824	SLV 11	0.1	44	0.319	No
286	-7852	-13432	-23342	SLV 15	0.42	1010	1.154	-844954	-1051797	-970824	SLV 15	0.04	9	0.167	No
308	-8413	-13432	-23342	SLV 15	0.4	921	1.111	-844954	-1051797	-970824	SLV 15	0.04	9	0.167	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-974	-4717	-16673	SLD 15	0.44	1209	3.126	493243	880622	2773116	SLD 15	0.35	642	2.412	Si
44	-1535	-4717	-16673	SLD 15	0.43	1097	3.004	493243	880622	2773116	SLD 15	0.35	642	2.412	Si
66	-2109	-4717	-16673	SLD 15	0.41	988	2.878	476032	812421	2773150	SLD 15	0.38	796	2.634	Si
88	-2684	-4717	-16673	SLD 15	0.4	894	2.762	439904	-708642	-1586183	SLD 1	0.38	818	2.664	Si
99	-2971	-4717	-20099	SLD 15	0.48	1522	3.436	417122	-656760	-1463273	SLD 1	0.38	820	2.666	Si
121	-3545	-4717	-20099	SLD 15	0.47	1391	3.311	362121	-553021	-971592	SLD 1	0.33	541	2.248	Si
143	-4119	-4717	-20099	SLD 15	0.45	1266	3.186	294539	449343	1422093	SLD 15	0.34	595	2.338	Si
165	-4693	-4717	-20099	SLD 15	0.44	1150	3.063	214376	-345847	-970824	SLD 1	0.46	1306	3.227	Si
187	-5268	-4717	-20099	SLD 15	0.42	1037	2.936	121494	-231717	-970824	SLD 3	0.6	2474	4.193	Si
209	-5842	-4717	-20099	SLD 15	0.41	937	2.816	-324007	-208818	-970824	SLD 11	0.42	997	2.889	Si
231	-6416	-4717	-20099	SLD 15	0.39	847	2.702	-475549	-288254	-970824	SLD 11	0.24	255	1.652	Si
253	-6991	-4717	-23342	SLD 15	0.46	1346	3.267	-639672	-368038	-970824	SLD 11	0.13	67	0.955	No
264	-7278	-4717	-23342	SLD 15	0.45	1285	3.205	-726452	-407965	-970824	SLD 11	0.08	29	0.677	No
286	-7852	-4717	-23342	SLD 15	0.44	1166	3.08	-844954	-465443	-970824	SLD 15	0.03	5	0.329	No
308	-8413	-4717	-23342	SLD 15	0.42	1057	2.959	-844954	-465443	-970824	SLD 15	0.03	5	0.329	No

Campata 2 tra i fili 49B - 49C, sezione R 45x70, asta 678

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-1164264	SLU 30	-1033145	-970824	0.078	No
22	7.6	5.4	11.4	5.4						-919918	SLU 30	-919918	-970824	0.078	Si
23	7.6	5.4	11.4	5.4						-918275	SLU 30	-918275	-970824	0.078	Si
45	7.6	5.4	11.4	5.4						-707709	SLU 30	-918275	-970824	0.078	Si
67	7.6	5.4	11.4	5.4						-527635	SLU 30	-769297	-970824	0.078	Si
89	7.6	5.4	11.4	5.4						-379699	SLU 30	-579530	-970824	0.078	Si
100	7.6	5.4	11.4	5.4						-317781	SLU 30	-496697	-970824	0.078	Si
123	7.6	5.4	11.4	5.4						-220120	SLU 36	-355135	-970824	0.078	Si
145	7.6	5.4	11.4	5.4						-158665	SLU 35	-245877	-970824	0.078	Si
167	7.6	5.4	11.4	5.4						-132349	SLU 26	-173929	-970824	0.078	Si
190	7.6	5.4	11.4	5.4						-131966	SLU 26	-167149	-970824	0.078	Si
212	7.6	5.4	11.4	5.4						-154416	SLU 35	-229311	-970824	0.078	Si
234	7.6	5.4	11.4	5.4						-205338	SLU 36	-329870	-970824	0.078	Si
246	7.6	5.4	11.4	5.4						-245075	SLU 36	-393311	-970824	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
268	7.6	5.4	11.4	5.4						-353115	SLU 30	-544295	-970824	0.078	Si
290	7.6	5.4	11.4	5.4						-494406	SLU 30	-666453	-970824	0.078	Si
312	7.6	5.4	11.4	5.4						-666453	SLU 30	-666453	-970824	0.078	Si
313	7.6	5.4	11.4	5.4						-667807	SLU 30	-667807	-970824	0.078	Si
335	7.6	5.4	11.4	5.4						-872807	SLU 30	-761622	-970824	0.078	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	1390523	SLV 13	1343516	1422093	0.084	-2963345	SLV 3	-2741946	-970824	0.078	No
22	7.6	5.4	11.4	5.4	1294319	SLV 13	1294221	1422093	0.084	-2542254	SLV 3	-2542225	-970824	0.078	No
23	7.6	5.4	11.4	5.4	1293483	SLV 13	1293483	1422093	0.084	-2539233	SLV 3	-2539233	-970824	0.078	No
45	7.6	5.4	11.4	5.4	1176891	SLV 13	1293483	1422093	0.084	-2142875	SLV 3	-2539233	-970824	0.078	No
67	7.6	5.4	11.4	5.4	1038264	SLV 13	1213912	1422093	0.084	-1765235	SLV 3	-2261706	-970824	0.078	No
89	7.6	5.4	11.4	5.4	878473	SLV 13	1081677	1422093	0.084	-1409368	SLV 3	-1877507	-970824	0.078	No
100	7.6	5.4	11.4	5.4	790656	SLV 13	1007617	1422093	0.084	-1239613	SLV 3	-1693565	-970824	0.078	No
123	7.6	5.4	11.4	5.4	599223	SLV 13	843635	1422093	0.084	-916508	SLV 3	-1342023	-970824	0.078	No
145	7.6	5.4	11.4	5.4	386891	SLV 13	658553	1422093	0.084	-615441	SLV 3	-1012318	-970824	0.078	No
167	7.6	5.4	11.4	5.4	210108	SLV 9	452502	1422093	0.084	-392859	SLV 7	-704580	-970824	0.078	Si
190	7.6	5.4	11.4	5.4	186755	SLV 5	376055	1422093	0.084	-366644	SLV 11	-617820	-970824	0.078	Si
212	7.6	5.4	11.4	5.4	309924	SLV 1	583966	1422093	0.084	-529887	SLV 15	-921693	-970824	0.078	Si
234	7.6	5.4	11.4	5.4	524052	SLV 1	771026	1422093	0.084	-827027	SLV 15	-1247653	-970824	0.078	No
246	7.6	5.4	11.4	5.4	623364	SLV 1	856673	1422093	0.084	-983946	SLV 15	-1418850	-970824	0.078	No
268	7.6	5.4	11.4	5.4	806264	SLV 1	1012152	1422093	0.084	-1314261	SLV 15	-1777634	-970824	0.078	No
290	7.6	5.4	11.4	5.4	968107	SLV 1	1107847	1422093	0.084	-1666457	SLV 15	-2037632	-970824	0.078	No
312	7.6	5.4	11.4	5.4	1107847	SLV 1	1107847	1422093	0.084	-2037632	SLV 15	-2037632	-970824	0.078	No
313	7.6	5.4	11.4	5.4	1108859	SLV 1	1108845	1422093	0.084	-2040463	SLV 15	-2040463	-970824	0.078	No
335	7.6	5.4	11.4	5.4	1228831	SLV 1	1175423	1422093	0.084	-2435900	SLV 15	-2233162	-970824	0.078	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	176942	SLD 13	176942	1422093	0.084	-1749763	SLD 3	-1603179	-970824	0.078	No
22	7.6	5.4	11.4	5.4	224926	SLD 13	224864	1422093	0.084	-1472861	SLD 3	-1472861	-970824	0.078	No
23	7.6	5.4	11.4	5.4	225165	SLD 13	254830	1422093	0.084	-1470915	SLD 3	-1470915	-970824	0.078	No
45	7.6	5.4	11.4	5.4	251550	SLD 13	256855	1422093	0.084	-1217535	SLD 3	-1470915	-970824	0.078	No
67	7.6	5.4	11.4	5.4	256825	SLD 13	256855	1422093	0.084	-983796	SLD 3	-1292924	-970824	0.078	No
89	7.6	5.4	11.4	5.4	240766	SLD 13	256843	1422093	0.084	-771661	SLD 3	-1052673	-970824	0.078	No
100	7.6	5.4	11.4	5.4	224743	SLD 13	254697	1422093	0.084	-673700	SLD 3	-940646	-970824	0.078	Si
123	7.6	5.4	11.4	5.4	176730	SLD 13	234410	1422093	0.084	-494015	SLD 3	-732798	-970824	0.078	Si
145	7.6	5.4	11.4	5.4	107501	SLD 13	192817	1422093	0.084	-336050	SLD 3	-546582	-970824	0.078	Si
167	7.6	5.4	11.4	5.4	42035	SLD 9	129977	1422093	0.084	-224786	SLD 7	-382055	-970824	0.078	Si
190	7.6	5.4	11.4	5.4	32500	SLD 5	99029	1422093	0.084	-212388	SLD 11	-340794	-970824	0.078	Si
212	7.6	5.4	11.4	5.4	75841	SLD 1	164287	1422093	0.084	-295804	SLD 15	-502015	-970824	0.078	Si
234	7.6	5.4	11.4	5.4	147461	SLD 1	208351	1422093	0.084	-450435	SLD 15	-684978	-970824	0.078	Si
246	7.6	5.4	11.4	5.4	175352	SLD 1	222406	1422093	0.084	-535934	SLD 15	-784584	-970824	0.078	Si
268	7.6	5.4	11.4	5.4	215201	SLD 1	234542	1422093	0.084	-723198	SLD 15	-1000024	-970824	0.078	No
290	7.6	5.4	11.4	5.4	233763	SLD 1	235055	1422093	0.084	-932113	SLD 15	-1160878	-970824	0.078	No
312	7.6	5.4	11.4	5.4	231093	SLD 1	235055	1422093	0.084	-1160878	SLD 15	-1160878	-970824	0.078	No
313	7.6	5.4	11.4	5.4	231033	SLD 1	231008	1422093	0.084	-1162638	SLD 15	-1162638	-970824	0.078	No
335	7.6	5.4	11.4	5.4	207343	SLD 1	207343	1422093	0.084	-1414413	SLD 15	-1283071	-970824	0.078	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	11660	SLU 30	11660	9541	76908	0	9541	1	Si
22	0	7.6	0	10221	SLU 30	10221	9541	76908	0	9541	1	Si
23	0.187	7.6	0	10211	SLU 30	10211	9541	76908	21675	21675	1	Si
45	0.187	7.6	0	8782	SLU 30	8782	9541	76908	21675	21675	1	Si
67	0.187	7.6	0	7344	SLU 30	7344	9541	76908	21675	21675	1	Si
89	0.187	7.6	0	5905	SLU 30	5905	9541	76908	21675	21675	1	Si
100	0.161	7.6	0	5185	SLU 30	5185	9541	76908	18673	18673	1	Si
123	0.161	7.6	0	3746	SLU 30	3746	9541	76908	18673	18673	1	Si
145	0.161	7.6	0	2307	SLU 30	2307	9541	76908	18673	18673	1	Si
167	0.161	7.6	0	868	SLU 30	868	9541	76908	18673	18673	1	Si
190	0.161	7.6	0	-576	SLU 29	-576	-9541	-76908	-18673	-18673	1	Si
212	0.161	7.6	0	-2015	SLU 29	-2015	-9541	-76908	-18673	-18673	1	Si
234	0.161	7.6	0	-3454	SLU 29	-3454	-9541	-76908	-18673	-18673	1	Si
246	0.187	7.6	0	-4173	SLU 29	-4173	-9541	-76908	-21675	-21675	1	Si
268	0.187	7.6	0	-5612	SLU 29	-5612	-9541	-76908	-21675	-21675	1	Si
290	0.187	7.6	0	-7051	SLU 29	-7051	-9541	-76908	-21675	-21675	1	Si
312	0.187	7.6	0	-8464	SLU 29	-8464	-9541	-76908	-21675	-21675	1	Si
313	0	7.6	0	-8475	SLU 29	-8475	-9541	-76908	0	-9541	1	Si
335	0	7.6	0	-9826	SLU 29	-9826	-9541	-76908	0	-9541	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	19448	SLV 1	22488	9541	76908	0	9541	1	Si
0	0	11.4	0	-3939	SLV 15	-6980	-10922	-76908	0	-10922	1	Si
22	0	7.6	0	18487	SLV 1	21527	9541	76908	0	9541	1	Si
22	0	11.4	0	-4901	SLV 15	-7941	-10922	-76908	0	-10922	1	Si
23	0.187	7.6	0	18479	SLV 1	21520	9541	76908	21675	21675	1	Si
23	0.187	11.4	0	-4908	SLV 15	-7948	-10922	-76908	-21675	-21675	1	Si
45	0.187	7.6	0	17525	SLV 1	20566	9541	76908	21675	21675	1	Si
45	0.187	11.4	0	-5862	SLV 15	-8902	-10922	-76908	-21675	-21675	1	Si
67	0.187	7.6	0	16564	SLV 1	19604	9541	76908	21675	21675	1	Si
67	0.187	11.4	0	-6823	SLV 15	-9864	-10922	-76908	-21675	-21675	1	Si
89	0.187	7.6	0	15603	SLV 1	18643	9541	76908	21675	21675	1	Si
89	0.187	11.4	0	-7784	SLV 15	-10825	-10922	-76908	-21675	-21675	1	Si
100	0.161	7.6	0	15122	SLV 1	18162	9541	76908	18673	18673	1	Si
100	0.161	11.4	0	-8265	SLV 15	-11305	-10922	-76908	-18673	-18673	1	Si
123	0.161	7.6	0	14161	SLV 1	17201	9541	76908	18673	18673	1	Si
123	0.161	11.4	0	-9226	SLV 15	-12267	-10922	-76908	-18673	-18673	1	Si
145	0.161	7.6	0	13200	SLV 1	16240	9541	76908	18673	18673	1	Si
145	0.161	11.4	0	-10188	SLV 15	-13228	-10922	-76908	-18673	-18673	1	Si
167	0.161	7.6	0	12238	SLV 1	15279	9541	76908	18673	18673	1	Si
167	0.161	11.4	0	-11149	SLV 15	-14189	-10922	-76908	-18673	-18673	1	Si
190	0.161	11.4	0	11277	SLV 1	14317	10922	76908	18673	18673	1	Si
190	0.161	7.6	0	-12110	SLV 15	-15150	-9541	-76908	-18673	-18673	1	Si
212	0.161	11.4	0	10316	SLV 1	13356	10922	76908	18673	18673	1	Si
212	0.161	7.6	0	-13071	SLV 15	-16112	-9541	-76908	-18673	-18673	1	Si
234	0.161	11.4	0	9354	SLV 1	12395	10922	76908	18673	18673	1	Si
234	0.161	7.6	0	-14033	SLV 15	-17073	-9541	-76908	-18673	-18673	1	Si
246	0.187	11.4	0	8874	SLV 1	11914	10922	76908	21675	21675	1	Si
246	0.187	7.6	0	-14513	SLV 15	-17554	-9541	-76908	-21675	-21675	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
268	0.187	11.4	0	7913	SLV 1	10953	10922	76908	21675	21675	1	Si
268	0.187	7.6	0	-15475	SLV 15	-18515	-9541	-76908	-21675	-21675	1	Si
290	0.187	11.4	0	6951	SLV 1	9992	10922	76908	21675	21675	1	Si
290	0.187	7.6	0	-16436	SLV 15	-19476	-9541	-76908	-21675	-21675	1	Si
312	0.187	11.4	0	6007	SLV 1	9047	10922	76908	21675	21675	1	Si
312	0.187	7.6	0	-17380	SLV 15	-20421	-9541	-76908	-21675	-21675	1	Si
313	0	11.4	0	6000	SLV 1	9040	10922	76908	0	10922	1	Si
313	0	7.6	0	-17388	SLV 15	-20428	-9541	-76908	0	-9541	1	Si
335	0	11.4	0	5102	SLV 1	8142	10922	76908	0	10922	1	Si
335	0	7.6	0	-18285	SLV 15	-21326	-9541	-76908	0	-9541	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	12929	SLD 1	12929	9541	76908	0	9541	1	Si
22	0	7.6	0	11968	SLD 1	11968	9541	76908	0	9541	1	Si
23	0.187	7.6	0	11961	SLD 1	11961	9541	76908	21675	21675	1	Si
45	0.187	7.6	0	11006	SLD 1	11006	9541	76908	21675	21675	1	Si
67	0.187	7.6	0	10045	SLD 1	10045	9541	76908	21675	21675	1	Si
67	0.187	11.4	0	-304	SLD 15	-304	-10922	-76908	-21675	-21675	1	Si
89	0.187	7.6	0	9084	SLD 1	9084	9541	76908	21675	21675	1	Si
89	0.187	11.4	0	-1266	SLD 15	-1266	-10922	-76908	-21675	-21675	1	Si
100	0.161	7.6	0	8603	SLD 1	8603	9541	76908	18673	18673	1	Si
100	0.161	11.4	0	-1746	SLD 15	-1746	-10922	-76908	-18673	-18673	1	Si
123	0.161	7.6	0	7642	SLD 1	7642	9541	76908	18673	18673	1	Si
123	0.161	11.4	0	-2708	SLD 15	-2708	-10922	-76908	-18673	-18673	1	Si
145	0.161	7.6	0	6681	SLD 1	6681	9541	76908	18673	18673	1	Si
145	0.161	11.4	0	-3669	SLD 15	-3669	-10922	-76908	-18673	-18673	1	Si
167	0.161	7.6	0	5719	SLD 1	5719	9541	76908	18673	18673	1	Si
167	0.161	7.6	0	-4630	SLD 15	-4630	-9541	-76908	-18673	-18673	1	Si
190	0.161	7.6	0	4758	SLD 1	4758	9541	76908	18673	18673	1	Si
190	0.161	7.6	0	-5591	SLD 15	-5591	-9541	-76908	-18673	-18673	1	Si
212	0.161	11.4	0	3797	SLD 1	3797	10922	76908	18673	18673	1	Si
212	0.161	7.6	0	-6553	SLD 15	-6553	-9541	-76908	-18673	-18673	1	Si
234	0.161	11.4	0	2836	SLD 1	2836	10922	76908	18673	18673	1	Si
234	0.161	7.6	0	-7514	SLD 15	-7514	-9541	-76908	-18673	-18673	1	Si
246	0.187	11.4	0	2355	SLD 1	2355	10922	76908	21675	21675	1	Si
246	0.187	7.6	0	-7994	SLD 15	-7994	-9541	-76908	-21675	-21675	1	Si
268	0.187	11.4	0	1394	SLD 1	1394	10922	76908	21675	21675	1	Si
268	0.187	7.6	0	-8956	SLD 15	-8956	-9541	-76908	-21675	-21675	1	Si
290	0.187	11.4	0	432	SLD 1	432	10922	76908	21675	21675	1	Si
290	0.187	7.6	0	-9917	SLD 15	-9917	-9541	-76908	-21675	-21675	1	Si
312	0.187	7.6	0	-10862	SLD 15	-10862	-9541	-76908	-21675	-21675	1	Si
313	0	7.6	0	-10869	SLD 15	-10869	-9541	-76908	0	-9541	1	Si
335	0	7.6	0	-11767	SLD 15	-11767	-9541	-76908	0	-9541	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-850709	3	-755440	17	124.5	262	1837	-786411	2	-699215	28.1	93.4	0	+∞	Si
22	-673192	3	-673192	15.1	124.5	233.4	1837	-623967	2	-623967	25	93.4	0	+∞	Si
23	-671998	3	-671998	15.1	124.5	233	1837	-622875	2	-622875	25	93.4	0	+∞	Si
45	-519065	3	-671998	15.1	124.5	233	1837	-482992	2	-622875	25	93.4	0	+∞	Si
67	-388329	3	-563793	12.7	124.5	195.5	1837	-363486	2	-523897	21	93.4	0	+∞	Si
89	-280982	3	-426001	9.6	124.5	147.7	1837	-265447	2	-397915	16	93.4	0	+∞	Si
100	-236080	3	-365876	8.2	124.5	126.9	1837	-224479	2	-342974	13.8	93.4	0	+∞	Si
123	-165199	9	-263169	5.9	124.5	91.3	1837	-158643	2	-249194	10	93.4	0	+∞	Si
145	-120420	8	-183963	4.1	124.5	63.8	1837	-115103	1	-176882	7.1	93.4	0	+∞	Si
167	-101014	8	-131597	3	124.5	45.6	1837	-95967	1	-126039	5.1	93.4	0	+∞	Si
190	-100193	8	-127521	2.9	124.5	44.2	1837	-95416	1	-123096	4.9	93.4	0	+∞	Si
212	-117958	8	-173610	3.9	124.5	60.2	1837	-113451	1	-168864	6.8	93.4	0	+∞	Si
234	-155960	9	-247262	5.6	124.5	85.7	1837	-151487	2	-238313	9.6	93.4	0	+∞	Si
246	-185216	9	-293600	6.6	124.5	101.8	1837	-180291	2	-281089	11.3	93.4	0	+∞	Si
268	-264246	3	-403818	9.1	124.5	140	1837	-253999	2	-382741	15.4	93.4	0	+∞	Si
290	-367409	3	-492955	11.1	124.5	170.9	1837	-349175	2	-464892	18.7	93.4	0	+∞	Si
312	-492955	3	-492955	11.1	124.5	170.9	1837	-464892	2	-464892	18.7	93.4	0	+∞	Si
313	-493942	3	-493942	11.1	124.5	171.3	1837	-465802	2	-465802	18.7	93.4	0	+∞	Si
335	-643473	3	-562388	12.6	124.5	195	1837	-603535	2	-528870	21.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
23	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.006	1	-0.007	1	9999	Si
45	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.011	1	9999	Si
67	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.013	1	-0.014	1	9999	Si
89	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.015	1	-0.016	1	9999	Si
100	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.015	1	-0.016	1	9999	Si
123	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.016	1	-0.017	1	9999	Si
145	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.016	1	-0.017	1	9999	Si
167	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.016	1	-0.017	1	9999	Si
190	-0.005	-0.006	-0.006	-0.007	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.016	1	-0.017	1	9999	Si
212	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.015	1	-0.016	1	9999	Si
234	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.014	1	-0.015	1	9999	Si
246	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.013	1	-0.014	1	9999	Si
268	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.011	1	-0.012	1	9999	Si
290	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.009	1	-0.009	1	9999	Si
312	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
313	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	6786	14734	21675	SLV 1	0.37	730	1.01	-622875	-1916358	-970824	SLV 3	0.07	20	0.231	No
45	5832	14734	21675	SLV 1	0.39	849	1.075	-622875	-1916358	-970824	SLV 3	0.07	20	0.231	No
67	4870	14734	21675	SLV 1	0.41	981	1.14	-523897	-1737809	-970824	SLV 3	0.1	41	0.31	No
89	3909	14734	21675	SLV 1	0.44	1137	1.212	-397915	-1479592	-970824	SLV 3	0.15	91	0.43	No

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
100	3429	14734	18673	SLV 1	0.38	773	1.034	-342974	-1350591	-970824	SLV 3	0.18	131	0.5	No
123	2467	14734	18673	SLV 1	0.4	898	1.1	-249194	-1092829	-970824	SLV 3	0.25	277	0.679	No
145	1506	14734	18673	SLV 1	0.42	1038	1.167	-176882	-835435	-970824	SLV 3	0.35	629	0.95	No
167	545	14734	18673	SLV 1	0.44	1199	1.238	-126039	-578541	-970824	SLV 3	0.52	1892	1.493	Si
190	-417	-14734	-18673	SLV 15	0.45	1222	1.248	-120883	-496937	-970824	SLV 15	0.57	2474	1.666	Si
212	-1378	-14734	-18673	SLV 15	0.42	1059	1.177	-168864	-752829	-970824	SLV 15	0.39	830	1.065	Si
234	-2339	-14734	-18673	SLV 15	0.4	915	1.108	-238313	-1009340	-970824	SLV 15	0.27	340	0.739	No
246	-2820	-14734	-21675	SLV 15	0.46	1331	1.292	-281089	-1137762	-970824	SLV 15	0.23	230	0.629	No
268	-3781	-14734	-21675	SLV 15	0.44	1158	1.221	-382741	-1394893	-970824	SLV 15	0.16	108	0.462	No
290	-4742	-14734	-21675	SLV 15	0.42	1001	1.15	-464892	-1572740	-970824	SLV 15	0.12	63	0.37	No
312	-5687	-14734	-21675	SLV 15	0.39	868	1.085	-464892	-1572740	-970824	SLV 15	0.12	63	0.37	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	6786	5175	21675	SLD 1	0.39	831	2.681	-622875	-848040	-970824	SLD 3	0.06	14	0.503	No
45	5832	5175	21675	SLD 1	0.41	966	2.851	-622875	-848040	-970824	SLD 3	0.06	14	0.503	No
67	4870	5175	21675	SLD 1	0.43	1132	3.043	-523897	-769027	-970824	SLD 3	0.08	28	0.668	No
89	3909	5175	21675	SLD 1	0.46	1313	3.234	-397915	-654758	-970824	SLD 3	0.12	64	0.937	No
100	3429	5175	18673	SLD 1	0.4	880	2.744	-342974	-597671	-970824	SLD 3	0.15	92	1.087	Si
123	2467	5175	18673	SLD 1	0.42	1027	2.924	-249194	-483604	-970824	SLD 3	0.21	187	1.454	Si
145	1506	5175	18673	SLD 1	0.44	1198	3.115	-176882	-369700	-970824	SLD 3	0.29	416	2.019	Si
167	545	5175	18673	SLD 1	0.47	1384	3.304	-126039	-256016	-970824	SLD 3	0.44	1182	3.097	Si
190	-417	-5175	-18673	SLD 15	0.47	1411	3.331	-120883	-219911	-970824	SLD 15	0.51	1799	3.679	Si
212	-1378	-5175	-18673	SLD 15	0.45	1222	3.14	-168864	-333151	-970824	SLD 15	0.33	538	2.243	Si
234	-2339	-5175	-18673	SLD 15	0.42	1049	2.949	-238313	-446665	-970824	SLD 15	0.23	230	1.583	Si
246	-2820	-5175	-21675	SLD 15	0.48	1537	3.45	-281089	-503495	-970824	SLD 15	0.19	157	1.354	Si
268	-3781	-5175	-21675	SLD 15	0.46	1338	3.259	-382741	-617283	-970824	SLD 15	0.13	74	0.995	No
290	-4742	-5175	-21675	SLD 15	0.44	1155	3.068	-464892	-695986	-970824	SLD 15	0.1	45	0.811	No
312	-5687	-5175	-21675	SLD 15	0.41	989	2.879	-464892	-695986	-970824	SLD 15	0.1	45	0.811	No

Campata 3 tra i fili 49C - 50, sezione R 45x70, asta 679

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-1755246	SLU 30	-1585349	-970824	0.078	No
21	7.6	5.4	11.4	5.4						-1451234	SLU 30	-1450910	-970824	0.078	No
23	7.6	5.4	11.4	5.4						-1431019	SLU 30	-1431019	-970824	0.078	No
42	7.6	5.4	11.4	5.4						-1175325	SLU 30	-1431019	-970824	0.078	No
63	7.6	5.4	11.4	5.4						-927831	SLU 30	-1278623	-970824	0.078	No
84	7.6	5.4	11.4	5.4						-708750	SLU 30	-1020210	-970824	0.078	No
95	7.6	5.4	11.4	5.4						-610664	SLU 36	-901658	-970824	0.078	Si
116	7.6	5.4	11.4	5.4						-441089	SLU 36	-685865	-970824	0.078	Si
137	7.6	5.4	11.4	5.4						-302669	SLU 35	-503708	-970824	0.078	Si
158	7.6	5.4	11.4	5.4						-201434	SLU 26	-350451	-970824	0.078	Si
179	7.6	5.4	11.4	5.4	-43777	SLU 11	19017	1422093	0.084	-124691	SLU 26	-236592	-970824	0.078	Si
200	7.6	5.4	11.4	5.4	6687	SLU 11	35754	1422093	0.084	-67612	SLU 26	-152293	-970824	0.078	Si
221	7.6	5.4	11.4	5.4	32647	SLU 11	36711	1422093	0.084	-30196	SLU 26	-87657	-970824	0.078	Si
242	7.6	5.4	14.3	6.2	34716	SLU 12	36711	1742859	0.091	-13113	SLU 19	-42685	-995437	0.082	Si
252	11.39	5.4	15.01	6.4	26596	SLU 12	36711	1820679	0.091	-13024	SLU 19	-41932	-1450432	0.09	Si
273	13.37	5.4	15.21	6.4	-6417	SLU 18	32837	1842537	0.091	-27592	SLU 19	-77811	-1686766	0.093	Si
293	15.21	5.4	15.21	6.4	-38436	SLU 8	10546	1842402	0.09	-77811	SLU 29	-77811	-1904566	0.097	Si
294	15.21	5.4	15.21	6.4						-83014	SLU 29	-83014	-1904566	0.097	Si
315	15.21	5.4	15.21	6.4						-177165	SLU 29	-119551	-1904566	0.097	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	741491	SLV 13	709628	1422093	0.084	-3187260	SLV 3	-2924732	-970824	0.078	No
21	7.6	5.4	11.4	5.4	672640	SLV 13	672255	1422093	0.084	-2705386	SLV 3	-2704553	-970824	0.078	No
23	7.6	5.4	11.4	5.4	666726	SLV 13	666726	1422093	0.084	-2671976	SLV 3	-2671976	-970824	0.078	No
42	7.6	5.4	11.4	5.4	585130	SLV 13	666726	1422093	0.084	-2242416	SLV 3	-2671976	-970824	0.078	No
63	7.6	5.4	11.4	5.4	478806	SLV 13	620569	1422093	0.084	-1798595	SLV 3	-2418492	-970824	0.078	No
84	7.6	5.4	11.4	5.4	353738	SLV 13	521469	1422093	0.084	-1373992	SLV 3	-1967307	-970824	0.078	No
95	7.6	5.4	11.4	5.4	284212	SLV 13	464874	1422093	0.084	-1168936	SLV 3	-1748905	-970824	0.078	No
116	7.6	5.4	11.4	5.4	131348	SLV 13	337647	1422093	0.084	-773482	SLV 3	-1326536	-970824	0.078	No
137	7.6	5.4	11.4	5.4	-35790	SLV 9	191846	1422093	0.084	-401716	SLV 7	-923556	-970824	0.078	Si
158	7.6	5.4	11.4	5.4	39020	SLV 1	487899	1422093	0.084	-309862	SLV 15	-591523	-970824	0.078	Si
179	7.6	5.4	11.4	5.4	366635	SLV 1	792493	1422093	0.084	-508776	SLV 15	-819967	-970824	0.078	Si
200	7.6	5.4	11.4	5.4	677873	SLV 1	1079806	1422093	0.084	-729275	SLV 15	-1069093	-970824	0.078	No
221	7.6	5.4	11.4	5.4	971821	SLV 1	1349827	1422093	0.084	-970447	SLV 15	-1338890	-970824	0.078	No
242	7.6	5.4	14.3	6.2	1248501	SLV 1	1602364	1742859	0.091	-1232315	SLV 15	-1629166	-995437	0.082	No
252	11.39	5.4	15.01	6.4	1380337	SLV 1	1721980	1820679	0.091	-1370981	SLV 15	-1781887	-1450432	0.09	No
273	13.37	5.4	15.21	6.4	1630840	SLV 1	1847210	1842537	0.091	-1663615	SLV 15	-1953680	-1686766	0.093	No
293	15.21	5.4	15.21	6.4	1847210	SLV 1	1847210	1842402	0.09	-1953680	SLV 15	-1953680	-1904566	0.097	No
294	15.21	5.4	15.21	6.4	1863507	SLV 1	1861953	1842402	0.09	-1976377	SLV 15	-1975077	-1904566	0.097	No
315	15.21	5.4	15.21	6.4	2078027	SLV 1	1961594	1842402	0.09	-2308954	SLV 15	-2119688	-1904566	0.097	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-2092158	SLD 3	-1911687	-970824	0.078	No
21	7.6	5.4	11.4	5.4						-1763790	SLD 3	-1763297	-970824	0.078	No
23	7.6	5.4	11.4	5.4						-1741341	SLD 3	-1741341	-970824	0.078	No
42	7.6	5.4	11.4	5.4						-1454258	SLD 3	-1741341	-970824	0.078	No
63	7.6	5.4	11.4	5.4						-1163781	SLD 3	-1571377	-970824	0.078	No
84	7.6	5.4	11.4	5.4						-892389	SLD 3	-1273575	-970824	0.078	No
95	7.6	5.4	11.4	5.4						-763867	SLD 3	-1131824	-970824	0.078	No
116	7.6	5.4	11.4	5.4						-521244	SLD 3	-862646	-970824	0.078	Si
137	7.6	5.4	11.4	5.4	-137805	SLD 9	12894	1422093	0.084	-299701	SLD 7	-612627	-970824	0.078	Si
158	7.6	5.4	11.4	5.4	-58250	SLD 1	187030	1422093	0.084	-212592	SLD 15	-382045	-970824	0.078	Si
179	7.6	5.4	11.4	5.4	122629	SLD 1	343051	1422093	0.084	-264769	SLD 15	-370525	-970824	0.078	Si
200	7.6	5.4	11.4	5.4	285658	SLD 1	480842	1422093	0.084	-337060	SLD 15	-470129	-970824	0.078	Si
221	7.6	5.4	11.4	5.4	430451	SLD 1	600397	1422093	0.084	-429078	SLD 15	-589460	-970824	0.078	Si
242	7.6	5.4	14.3	6.2	557021	SLD 1	701634	1742859	0.091	-540834	SLD 15	-728436	-995437	0.082	Si
252	11.39	5.4	15.01	6.4	613459	SLD 1	745340	1820679	0.091	-604102	SLD 15	-805247	-1450432	0.09	Si
273	13.37	5.4	15.21	6.4	712571	SLD 1	787779	1842537	0.091	-745346	SLD 15	-894250	-1686766	0.093	Si
293	15.21	5.4	15.21	6.4	787779	SLD 1	787779	1842402	0.09	-894250	SLD 15	-894250	-1904566	0.097	Si
294	15.21	5.4	15.21	6.4	793208	SLD 1	792449	1842402	0.09	-906077	SLD 15	-905573	-1904566	0.097	Si
315	15.21	5.4	15.21	6.4	855233	SLD 1	824009	1842402	0.09	-1086159	SLD 15	-982103	-1904566	0.097	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	15153	SLU 30	15153	9541	76908	0	9541	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
21	0	7.6	0	13815	SLU 30	13815	9541	76908	0	9541	1	Si
23	0.23	7.6	0	13718	SLU 30	13718	9541	76908	26676	26676	1	Si
42	0.23	7.6	0	12462	SLU 30	12462	9541	76908	26676	26676	1	Si
63	0.23	7.6	0	11109	SLU 30	11109	9541	76908	26676	26676	1	Si
84	0.23	7.6	0	9756	SLU 30	9756	9541	76908	26676	26676	1	Si
95	0.201	7.6	0	9079	SLU 30	9079	9541	76908	23342	23342	1	Si
116	0.201	7.6	0	7726	SLU 30	7726	9541	76908	23342	23342	1	Si
137	0.201	7.6	0	6373	SLU 30	6373	9541	76908	23342	23342	1	Si
158	0.201	7.6	0	5020	SLU 30	5020	9541	76908	23342	23342	1	Si
179	0.201	7.6	0	3667	SLU 30	3667	9541	76908	23342	23342	1	Si
200	0.201	7.6	0	2396	SLU 36	2396	9541	76908	23342	23342	1	Si
221	0.201	7.6	0	1314	SLU 26	1314	9541	76908	23342	23342	1	Si
242	0.172	7.6	0	377	SLU 26	377	9541	76908	20007	20007	1	Si
242	0.172	11.4	0	-514	SLU 11	-514	-10855	-75944	-19756	-19756	1	Si
252	0.172	11.4	0	-1101	SLU 29	-1101	-10842	-75765	-19710	-19710	1	Si
273	0.172	7.6	0	-2454	SLU 29	-2454	-9541	-76908	-20007	-20007	1	Si
293	0.172	7.6	0	-3710	SLU 29	-3710	-9541	-76908	-20007	-20007	1	Si
294	0	7.6	0	-3807	SLU 29	-3807	-9541	-76908	0	-9541	1	Si
315	0	11.39	0	-5160	SLU 29	-5160	-10917	-76908	0	-10917	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	23426	SLV 3	26843	9541	76908	0	9541	1	Si
0	0	11.4	0	-2855	SLV 13	-6271	-10922	-76908	0	-10922	1	Si
21	0	7.6	0	22532	SLV 3	25948	9541	76908	0	9541	1	Si
21	0	11.4	0	-3749	SLV 13	-7166	-10922	-76908	0	-10922	1	Si
23	0.23	7.6	0	22467	SLV 3	25884	9541	76908	26676	26676	1	Si
23	0.23	11.4	0	-3814	SLV 13	-7230	-10922	-76908	-26676	-26676	1	Si
42	0.23	7.6	0	21628	SLV 3	25045	9541	76908	26676	26676	1	Si
42	0.23	11.4	0	-4653	SLV 13	-8069	-10922	-76908	-26676	-26676	1	Si
63	0.23	7.6	0	20724	SLV 3	24141	9541	76908	26676	26676	1	Si
63	0.23	11.4	0	-5557	SLV 13	-8973	-10922	-76908	-26676	-26676	1	Si
84	0.23	7.6	0	19820	SLV 3	23237	9541	76908	26676	26676	1	Si
84	0.23	11.4	0	-6461	SLV 13	-9877	-10922	-76908	-26676	-26676	1	Si
95	0.201	7.6	0	19368	SLV 3	22785	9541	76908	23342	23342	1	Si
95	0.201	11.4	0	-6913	SLV 13	-10329	-10922	-76908	-23342	-23342	1	Si
116	0.201	7.6	0	18464	SLV 3	21881	9541	76908	23342	23342	1	Si
116	0.201	11.4	0	-7816	SLV 13	-11233	-10922	-76908	-23342	-23342	1	Si
137	0.201	7.6	0	17561	SLV 3	20977	9541	76908	23342	23342	1	Si
137	0.201	7.6	0	-8720	SLV 13	-12137	-9541	-76908	-23342	-23342	1	Si
158	0.201	7.6	0	16657	SLV 3	20073	9541	76908	23342	23342	1	Si
158	0.201	7.6	0	-9624	SLV 13	-13041	-9541	-76908	-23342	-23342	1	Si
179	0.201	11.4	0	15753	SLV 3	19169	10922	76908	23342	23342	1	Si
179	0.201	7.6	0	-10528	SLV 13	-13945	-9541	-76908	-23342	-23342	1	Si
200	0.201	11.4	0	14849	SLV 3	18265	10922	76908	23342	23342	1	Si
200	0.201	7.6	0	-11432	SLV 13	-14848	-9541	-76908	-23342	-23342	1	Si
221	0.201	11.4	0	13945	SLV 3	17362	10922	76908	23342	23342	1	Si
221	0.201	7.6	0	-12336	SLV 13	-15752	-9541	-76908	-23342	-23342	1	Si
242	0.172	11.4	0	13041	SLV 3	16458	10855	75944	19756	19756	1	Si
242	0.172	7.6	0	-13240	SLV 13	-16656	-9541	-76908	-20007	-20007	1	Si
252	0.172	11.4	0	12589	SLV 3	16006	10842	75765	19710	19710	1	Si
252	0.172	7.6	0	-13692	SLV 13	-17108	-9541	-76908	-20007	-20007	1	Si
273	0.172	11.4	0	11685	SLV 3	15102	10839	75718	19698	19698	1	Si
273	0.172	7.6	0	-14595	SLV 13	-18012	-9541	-76908	-20007	-20007	1	Si
293	0.172	13.59	0	10846	SLV 3	14263	11492	75718	19698	19698	1	Si
293	0.172	7.6	0	-15435	SLV 13	-18851	-9541	-76908	-20007	-20007	1	Si
294	0	13.59	0	10781	SLV 3	14198	11492	75718	0	11492	1	Si
294	0	7.6	0	-15499	SLV 13	-18916	-9541	-76908	0	-9541	1	Si
315	0	15.01	0	9878	SLV 3	13294	11878	75718	0	11878	1	Si
315	0	11.39	0	-16403	SLV 13	-19820	-10917	-76908	0	-10917	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	16101	SLD 3	16101	9541	76908	0	9541	1	Si
21	0	7.6	0	15206	SLD 3	15206	9541	76908	0	9541	1	Si
23	0.23	7.6	0	15142	SLD 3	15142	9541	76908	26676	26676	1	Si
42	0.23	7.6	0	14303	SLD 3	14303	9541	76908	26676	26676	1	Si
63	0.23	7.6	0	13399	SLD 3	13399	9541	76908	26676	26676	1	Si
84	0.23	7.6	0	12495	SLD 3	12495	9541	76908	26676	26676	1	Si
95	0.201	7.6	0	12043	SLD 3	12043	9541	76908	23342	23342	1	Si
116	0.201	7.6	0	11139	SLD 3	11139	9541	76908	23342	23342	1	Si
116	0.201	7.6	0	-491	SLD 13	-491	-9541	-76908	-23342	-23342	1	Si
137	0.201	7.6	0	10235	SLD 3	10235	9541	76908	23342	23342	1	Si
137	0.201	7.6	0	-1395	SLD 13	-1395	-9541	-76908	-23342	-23342	1	Si
158	0.201	7.6	0	9331	SLD 3	9331	9541	76908	23342	23342	1	Si
158	0.201	7.6	0	-2299	SLD 13	-2299	-9541	-76908	-23342	-23342	1	Si
179	0.201	11.4	0	8427	SLD 3	8427	10922	76908	23342	23342	1	Si
179	0.201	7.6	0	-3203	SLD 13	-3203	-9541	-76908	-23342	-23342	1	Si
200	0.201	11.4	0	7524	SLD 3	7524	10922	76908	23342	23342	1	Si
200	0.201	7.6	0	-4107	SLD 13	-4107	-9541	-76908	-23342	-23342	1	Si
221	0.201	11.4	0	6620	SLD 3	6620	10922	76908	23342	23342	1	Si
221	0.201	7.6	0	-5010	SLD 13	-5010	-9541	-76908	-23342	-23342	1	Si
242	0.172	11.4	0	5716	SLD 3	5716	10855	75944	19756	19756	1	Si
242	0.172	7.6	0	-5914	SLD 13	-5914	-9541	-76908	-20007	-20007	1	Si
252	0.172	11.4	0	5264	SLD 3	5264	10842	75765	19710	19710	1	Si
252	0.172	7.6	0	-6366	SLD 13	-6366	-9541	-76908	-20007	-20007	1	Si
273	0.172	11.4	0	4360	SLD 3	4360	10839	75718	19698	19698	1	Si
273	0.172	7.6	0	-7270	SLD 13	-7270	-9541	-76908	-20007	-20007	1	Si
293	0.172	13.59	0	3521	SLD 3	3521	11492	75718	19698	19698	1	Si
293	0.172	7.6	0	-8109	SLD 13	-8109	-9541	-76908	-20007	-20007	1	Si
294	0	13.59	0	3456	SLD 3	3456	11492	75718	0	11492	1	Si
294	0	7.6	0	-8174	SLD 13	-8174	-9541	-76908	0	-9541	1	Si
315	0	15.01	0	2552	SLD 3	2552	11878	75718	0	11878	1	Si
315	0	11.39	0	-9078	SLD 13	-9078	-10917	-76908	0	-10917	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1297393	3	-1173015	47.1	124.5	2581	1837	-1222885	2	-1107552	44.5	93.4	0	+∞	Si
21	-1074779	3	-1074540	43.1	124.5	2364.3	1837	-1016373	2	-1016149	40.8	93.4	0	+∞	Si
23	-1059970	3	-1059970	42.5	124.5	2332.2	1837	-1002625	2	-1002625	40.2	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
42	-872623	3	-1059970	42.5	124.5	2332.2	1837	-828643	2	-1002625	40.2	93.4	0	+∞	Si
63	-691147	3	-948322	21.3	124.5	328.9	1837	-659895	2	-898962	36.1	93.4	0	+∞	Si
84	-530352	3	-758899	17.1	124.5	263.2	1837	-510127	2	-722919	29	93.4	0	+∞	Si
95	-458242	9	-671942	15.1	124.5	233	1837	-442362	2	-642015	25.8	93.4	0	+∞	Si
116	-333058	9	-513540	11.5	124.5	178.1	1837	-321067	2	-494444	19.8	93.4	0	+∞	Si
137	-230381	8	-379300	8.5	124.5	131.5	1837	-221412	1	-365855	14.7	93.4	0	+∞	Si
158	-152108	8	-266064	6	124.5	92.3	1837	-145021	1	-256247	10.3	93.4	0	+∞	Si
179	-90267	8	-180608	4.1	124.5	62.6	1837	-85064	1	-172798	6.9	93.4	0	+∞	Si
200	-44859	8	-112453	2.5	124.5	39	1837	-41539	1	-106526	4.3	93.4	0	+∞	Si
221	10776	2	16422	0.6	124.5	24.5	1837	687	2	8093	0.3	93.4	0	+∞	Si
221	-15884	8	-60730	1.4	124.5	21.1	1837	-14447	1	-56686	2.3	93.4	0	+∞	Si
242	16422	3	16422	0.6	124.5	20.3	1837	8093	2	8093	0.3	93.4	0	+∞	Si
242	-3788	1	-25440	0.6	124.5	8.7	1837	-3788	1	-23279	0.9	93.4	0	+∞	Si
252	11513	3	16422	0.5	124.5	19.4	1837	4678	2	8093	0.3	93.4	0	+∞	Si
252	-4621	1	-30773	1	124.5	45.8	1837	-4621	1	-29953	1	93.4	0	+∞	Si
273	-18611	1	-57680	1.8	124.5	73.5	1837	-18611	1	-53235	1.7	93.4	0	+∞	Si
293	-57680	2	-57680	1.7	124.5	64.9	1837	-53235	2	-53235	1.6	93.4	0	+∞	Si
294	-61368	2	-61368	1.9	124.5	69.1	1837	-56435	2	-56435	1.7	93.4	0	+∞	Si
315	-128512	2	-87319	2.6	124.5	98.3	1837	-115463	2	-79047	2.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.009	1	-0.01	1	9999	Si
23	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.009	1	-0.011	1	9999	Si
42	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.015	1	-0.016	1	9999	Si
63	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.018	1	-0.02	1	9999	Si
84	-0.007	-0.008	-0.008	-0.008	-0.007	-0.008	-0.008	-0.008	-0.007	-0.008	-0.02	1	-0.021	1	9999	Si
95	-0.007	-0.008	-0.008	-0.008	-0.007	-0.008	-0.008	-0.008	-0.007	-0.008	-0.02	1	-0.022	1	9999	Si
116	-0.007	-0.008	-0.008	-0.008	-0.007	-0.007	-0.008	-0.008	-0.007	-0.007	-0.02	1	-0.021	1	9999	Si
137	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.019	2	-0.02	2	9999	Si
158	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.018	2	-0.018	2	9999	Si
179	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.016	2	-0.016	2	9999	Si
200	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.013	2	-0.014	2	9999	Si
221	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.011	2	-0.011	2	9999	Si
242	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.009	2	-0.009	2	9999	Si
252	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.008	2	-0.008	2	9999	Si
273	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.005	2	-0.005	2	9999	Si
293	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
294	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	9327	16557	26676	SLV 3	0.38	797	1.047	-1002625	-1519628	-970824	SLV 1	0	0	0	No
42	8488	16557	26676	SLV 3	0.4	895	1.098	-1002625	-1519628	-970824	SLV 1	0	0	0	No
63	7584	16557	26676	SLV 3	0.42	1010	1.154	-898962	-1519530	-970824	SLV 3	0.01	1	0.068	No
84	6680	16557	26676	SLV 3	0.44	1142	1.214	-722919	-1244388	-970824	SLV 3	0.08	25	0.253	No
95	6228	16557	23342	SLV 3	0.38	771	1.033	-642015	-1106890	-970824	SLV 3	0.11	55	0.35	No
116	5324	16557	23342	SLV 3	0.39	874	1.088	-494444	-832092	-970824	SLV 3	0.21	203	0.598	No
137	4420	16557	23342	SLV 3	0.41	986	1.143	-365855	-557701	-970824	SLV 3	0.39	868	1.085	Si
158	3516	16557	23342	SLV 3	0.43	1116	1.202	-51812	-539711	-970824	SLV 15	0.57	2474	1.666	Si
179	2612	16557	23342	SLV 3	0.45	1256	1.262	-13737	-806230	-970824	SLV 15	0.43	1091	1.191	Si
200	1709	16557	23342	SLV 3	0.47	1406	1.322	5357	-1074449	-970824	SLV 15	0.33	564	0.909	No
221	805	16557	23342	SLV 3	0.49	1568	1.382	5469	-1344358	-970824	SLV 15	0.27	340	0.739	No
242	-99	16557	19756	SLV 3	0.43	1120	1.204	-13401	-1615765	-995437	SLV 15	0.23	231	0.63	No
252	-551	-16557	-20007	SLV 13	0.42	1062	1.178	-29953	-1751934	-1450432	SLV 15	0.3	433	0.816	No
273	-1455	-16557	-20007	SLV 13	0.41	939	1.12	-53235	-1900445	-1686766	SLV 15	0.31	493	0.86	No
293	-2294	-16557	-20007	SLV 13	0.39	839	1.07	-53235	-1900445	-1904566	SLV 15	0.35	668	0.974	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	9327	5815	26676	SLD 3	0.4	907	2.779	-1002625	-672462	-970824	SLD 1	0	0	0	No
42	8488	5815	26676	SLD 3	0.42	1023	2.919	-1002625	-672462	-970824	SLD 1	0	0	0	No
63	7584	5815	26676	SLD 3	0.44	1166	3.08	-898962	-672416	-970824	SLD 3	0	0	0	No
84	6680	5815	26676	SLD 3	0.46	1318	3.239	-722919	-550657	-970824	SLD 3	0.06	16	0.531	No
95	6228	5815	23342	SLD 3	0.4	877	2.741	-642015	-489809	-970824	SLD 3	0.09	38	0.757	No
116	5324	5815	23342	SLD 3	0.42	997	2.889	-494444	-368201	-970824	SLD 3	0.18	139	1.288	Si
137	4420	5815	23342	SLD 3	0.44	1138	3.05	-365855	-246772	-970824	SLD 3	0.33	564	2.287	Si
158	3516	5815	23342	SLD 3	0.46	1288	3.208	-51812	-238842	-970824	SLD 15	0.51	1778	3.662	Si
179	2612	5815	23342	SLD 3	0.47	1450	3.368	-13737	-356788	-970824	SLD 15	0.36	700	2.499	Si
200	1709	5815	23342	SLD 3	0.49	1625	3.529	5357	-475485	-970824	SLD 15	0.28	377	1.939	Si
221	805	5815	23342	SLD 3	0.51	1813	3.691	5469	-594929	-970824	SLD 15	0.23	232	1.589	Si
242	-99	5815	19756	SLD 3	0.46	1294	3.215	-13401	-715035	-995437	SLD 15	0.19	158	1.357	Si
252	-551	-5815	-20007	SLD 13	0.45	1226	3.144	-29953	-775294	-1450432	SLD 15	0.25	295	1.753	Si
273	-1455	-5815	-20007	SLD 13	0.43	1079	2.984	-53235	-841015	-1686766	SLD 15	0.27	334	1.845	Si
293	-2294	-5815	-20007	SLD 13	0.41	955	2.838	-53235	-841015	-1904566	SLD 15	0.3	439	2.064	Si

Campata 4 tra i fili 50 - 51, sezione R 45x70, asta 680

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	6.4						-1685392	SLU 30	-1460190	-1904566	0.097	Si
23	15.21	5.4	15.21	6.4						-1250268	SLU 30	-1250268	-1904566	0.097	Si
26	14.89	5.4	15.21	6.4						-1187398	SLU 30	-1250268	-1867345	0.096	Si
52	12.46	5.4	16.66	6						-741268	SLU 36	-1248445	-1568709	0.089	Si
77	7.6	5.4	14.81	5.4	-234386	SLU 11	106539	1826968	0.091	-369673	SLU 26	-795099	-971216	0.079	Si
90	7.6	5.4	15.21	5.4	-76720	SLU 11	256580	1873491	0.092	-215805	SLU 26	-587787	-971252	0.079	Si
116	7.6	5.4	15.21	5.4	217266	SLU 29	555585	1873491	0.092	63151	SLU 8	-254361	-971252	0.079	Si
142	7.6	5.4	15.21	5.4	521474	SLU 30	811701	1873491	0.092						Si
168	7.6	5.4	15.21	5.4	782978	SLU 30	1024820	1873491	0.092						Si
194	7.6	5.4	15.21	5.4	1001484	SLU 30	1194940	1873491	0.092						Si
220	7.6	5.4	15.21	5.4	1176991	SLU 30	1322062	1873491	0.092						Si
245	7.6	5.4	15.21	5.4	1309500	SLU 30	1406185	1873491	0.092						Si
271	7.6	5.4	15.21	5.4	1399011	SLU 30	1447310	1873491	0.092						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
284	7.6	5.4	15.21	5.4	1427642	SLU 30	1452655	1873491	0.092						Si
317	7.6	5.4	15.21	5.4	1452704	SLU 36	1452704	1873491	0.092						Si
336	7.6	5.4	15.21	5.4	1457175	SLU 36	1457175	1873491	0.092						Si
362	7.6	5.4	15.21	5.4	1453332	SLU 36	1453332	1873491	0.092						Si
387	7.6	5.4	15.21	5.4	1422618	SLU 36	1422618	1873491	0.092						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	6.4						-2282631	SLV 3	-2036258	-1904566	0.097	No
23	15.21	5.4	15.21	6.4	-9883	SLV 13	114001	1842402	0.09	-1799446	SLV 3	-1799446	-1904566	0.097	Si
26	14.89	5.4	15.21	6.4	6748	SLV 13	125225	1842422	0.09	-1728935	SLV 3	-1799446	-1867345	0.096	Si
52	12.46	5.4	16.66	6	114378	SLV 13	201578	2024783	0.093	-1204310	SLV 3	-1797401	-1568709	0.089	No
77	7.6	5.4	14.81	5.4	194090	SLV 13	313149	1826968	0.091	-709217	SLV 3	-1269126	-971216	0.079	No
90	7.6	5.4	15.21	5.4	223972	SLV 13	384185	1873491	0.092	-473238	SLV 3	-1015984	-971252	0.079	No
116	7.6	5.4	15.21	5.4	371010	SLV 9	603802	1873491	0.092	-131645	SLV 7	-532370	-971252	0.079	Si
142	7.6	5.4	15.21	5.4	575731	SLV 5	955441	1873491	0.092	94819	SLV 11	-171719	-971252	0.079	Si
168	7.6	5.4	15.21	5.4	910872	SLV 1	1301160	1873491	0.092						Si
194	7.6	5.4	15.21	5.4	1259951	SLV 1	1619896	1873491	0.092						Si
220	7.6	5.4	15.21	5.4	1582075	SLV 1	1911775	1873491	0.092	37333	SLV 15	-71145	-971252	0.079	No
245	7.6	5.4	15.21	5.4	1877272	SLV 1	2177467	1873491	0.092	-56475	SLV 15	-200095	-971252	0.079	No
271	7.6	5.4	15.21	5.4	2146189	SLV 1	2417527	1873491	0.092	-181453	SLV 15	-360863	-971252	0.079	No
284	7.6	5.4	15.21	5.4	2271011	SLV 1	2528086	1873491	0.092	-255849	SLV 15	-452996	-971252	0.079	No
317	7.6	5.4	15.21	5.4	2563128	SLV 1	2563128	1873491	0.092	-485190	SLV 15	-485190	-971252	0.079	No
336	7.6	5.4	15.21	5.4	2712237	SLV 1	2686449	1873491	0.092	-626345	SLV 15	-596953	-971252	0.079	No
362	7.6	5.4	15.21	5.4	2916420	SLV 1	2797139	1873491	0.092	-834383	SLV 15	-697268	-971252	0.079	No
387	7.6	5.4	15.21	5.4	3102431	SLV 3	2834036	1873491	0.092	-1062874	SLV 13	-730706	-971252	0.079	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	6.4						-1682165	SLD 3	-1486320	-1904566	0.097	Si
23	15.21	5.4	15.21	6.4						-1300402	SLD 3	-1300402	-1904566	0.097	Si
26	14.89	5.4	15.21	6.4						-1244912	SLD 3	-1300402	-1867345	0.096	Si
52	12.46	5.4	16.66	6						-836533	SLD 3	-1298793	-1568709	0.089	Si
77	7.6	5.4	14.81	5.4	-57902	SLD 13	155680	1826968	0.091	-457225	SLD 3	-886793	-971216	0.079	Si
90	7.6	5.4	15.21	5.4	29418	SLD 13	252236	1873491	0.092	-278685	SLD 3	-691660	-971252	0.079	Si
116	7.6	5.4	15.21	5.4	230798	SLD 9	467643	1873491	0.092	8568	SLD 7	-323423	-971252	0.079	Si
142	7.6	5.4	15.21	5.4	441663	SLD 5	725439	1873491	0.092	228887	SLD 11	-25737	-971252	0.079	Si
168	7.6	5.4	15.21	5.4	694168	SLD 1	964583	1873491	0.092						Si
194	7.6	5.4	15.21	5.4	936807	SLD 1	1175760	1873491	0.092						Si
220	7.6	5.4	15.21	5.4	1151491	SLD 1	1359035	1873491	0.092						Si
245	7.6	5.4	15.21	5.4	1338240	SLD 1	1514706	1873491	0.092						Si
271	7.6	5.4	15.21	5.4	1497345	SLD 1	1643019	1873491	0.092						Si
284	7.6	5.4	15.21	5.4	1566628	SLD 1	1697069	1873491	0.092						Si
317	7.6	5.4	15.21	5.4	1713366	SLD 1	1713366	1873491	0.092						Si
336	7.6	5.4	15.21	5.4	1781553	SLD 1	1771147	1873491	0.092						Si
362	7.6	5.4	15.21	5.4	1870812	SLD 1	1823010	1873491	0.092						Si
387	7.6	5.4	15.21	5.4	1941264	SLD 3	1840297	1873491	0.092						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.24	0	20109	SLU 30	20109	10869	76908	0	10869	1	Si
13	0	7.6	0	19277	SLU 30	19277	9541	76908	0	9541	1	Si
23	0.201	7.6	0	18660	SLU 30	18660	9541	76908	23342	23342	1	Si
26	0.201	7.6	0	18445	SLU 30	18445	9541	76908	23342	23342	1	Si
52	0.201	7.6	0	16781	SLU 30	16781	9541	76908	23342	23342	1	Si
77	0.201	7.6	0	15116	SLU 30	15116	9541	76908	23342	23342	1	Si
90	0.201	7.6	0	14284	SLU 30	14284	9541	76908	23342	23342	1	Si
116	0.175	15.21	0	12619	SLU 30	12619	12021	76908	20330	20330	1	Si
142	0.175	14.81	0	10955	SLU 30	10955	11917	76908	20330	20330	1	Si
168	0.175	15.21	0	9291	SLU 30	9291	12021	76908	20330	20330	1	Si
194	0.175	15.21	0	7705	SLU 36	7705	12021	76908	20330	20330	1	Si
220	0.175	15.21	0	6152	SLU 36	6152	12021	76908	20330	20330	1	Si
245	0.175	15.21	0	4780	SLU 35	4780	12021	76908	20330	20330	1	Si
271	0.115	15.21	0	3561	SLU 26	3561	12021	76908	13338	13338	1	Si
284	0.115	15.21	0	2985	SLU 26	2985	12021	76908	13338	13338	1	Si
317	0.115	15.21	0	1620	SLU 26	1620	12021	76908	13338	13338	1	Si
317	0.115	15.21	0	-602	SLU 11	-602	-12021	-76908	-13338	-13338	1	Si
336	0	15.21	0	1333	SLU 26	1333	12021	76908	0	12021	1	Si
336	0	15.21	0	-884	SLU 11	-884	-12021	-76908	0	-12021	1	Si
362	0	15.21	0	756	SLU 26	756	12021	76908	0	12021	1	Si
362	0	15.21	0	-1550	SLU 11	-1550	-12021	-76908	0	-12021	1	Si
387	0	15.21	0	-2604	SLU 11	-2604	-12021	-76908	0	-12021	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.24	0	22018	SLV 3	24128	10869	76908	0	10869	1	Si
13	0	7.6	0	21462	SLV 3	23572	9541	76908	0	9541	1	Si
23	0.201	7.6	0	21050	SLV 3	23159	9541	76908	23342	23342	1	Si
26	0.201	7.6	0	20907	SLV 3	23016	9541	76908	23342	23342	1	Si
52	0.201	7.6	0	19795	SLV 3	21904	9541	76908	23342	23342	1	Si
77	0.201	7.6	0	18683	SLV 3	20792	9541	76908	23342	23342	1	Si
90	0.201	7.6	0	18127	SLV 3	20236	9541	76908	23342	23342	1	Si
90	0.201	15.21	0	1900	SLV 13	-209	-12021	-76908	-23342	-23342	1	Si
116	0.175	7.6	0	17015	SLV 3	19124	9541	76908	20330	20330	1	Si
116	0.175	15.21	0	788	SLV 13	-1321	-12021	-76908	-20330	-20330	1	Si
142	0.175	14.81	0	15903	SLV 3	18012	11917	76908	20330	20330	1	Si
142	0.175	14.81	0	-324	SLV 13	-2433	-11917	-76908	-20330	-20330	1	Si
168	0.175	15.21	0	14791	SLV 3	16900	12021	76908	20330	20330	1	Si
168	0.175	15.21	0	-1436	SLV 13	-3545	-12021	-76908	-20330	-20330	1	Si
194	0.175	15.21	0	13679	SLV 3	15789	12021	76908	20330	20330	1	Si
194	0.175	15.21	0	-2548	SLV 13	-4657	-12021	-76908	-20330	-20330	1	Si
220	0.175	15.21	0	12567	SLV 3	14677	12021	76908	20330	20330	1	Si
220	0.175	15.21	0	-3660	SLV 13	-5769	-12021	-76908	-20330	-20330	1	Si
245	0.175	15.21	0	11455	SLV 3	13565	12021	76908	20330	20330	1	Si
245	0.175	15.21	0	-4771	SLV 13	-6881	-12021	-76908	-20330	-20330	1	Si
271	0.115	15.21	0	10343	SLV 3	12453	12021	76908	13338	13338	1	Si
271	0.115	7.6	0	-5883	SLV 13	-7993	-9541	-76908	-13338	-13338	1	Si
284	0.115	15.21	0	9787	SLV 3	11897	12021	76908	13338	13338	1	Si
284	0.115	7.6	0	-6439	SLV 13	-8549	-9541	-76908	-13338	-13338	1	Si
317	0.115	15.21	0	8476	SLV 3	10586	12021	76908	13338	13338	1	Si
317	0.115	7.6	0	-7751	SLV 13	-9860	-9541	-76908	-13338	-13338	1	Si
336	0	15.21	0	8230	SLV 3	10340	12021	76908	0	12021	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
336	0	7.6	0	-7996	SLV 13	-10106	-9541	-76908	0	-9541	1	Si
362	0	15.21	0	7696	SLV 3	9806	12021	76908	0	12021	1	Si
362	0	7.6	0	-8530	SLV 13	-10640	-9541	-76908	0	-9541	1	Si
387	0	15.21	0	6886	SLV 3	8995	12021	76908	0	12021	1	Si
387	0	7.6	0	-9341	SLV 13	-11450	-9541	-76908	0	-9541	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.24	0	17495	SLD 3	17495	10869	76908	0	10869	1	Si
13	0	7.6	0	16939	SLD 3	16939	9541	76908	0	9541	1	Si
23	0.201	7.6	0	16526	SLD 3	16526	9541	76908	23342	23342	1	Si
26	0.201	7.6	0	16383	SLD 3	16383	9541	76908	23342	23342	1	Si
52	0.201	7.6	0	15271	SLD 3	15271	9541	76908	23342	23342	1	Si
77	0.201	7.6	0	14159	SLD 3	14159	9541	76908	23342	23342	1	Si
90	0.201	7.6	0	13603	SLD 3	13603	9541	76908	23342	23342	1	Si
116	0.175	15.21	0	12491	SLD 3	12491	12021	76908	20330	20330	1	Si
142	0.175	14.81	0	11379	SLD 3	11379	11917	76908	20330	20330	1	Si
168	0.175	15.21	0	10267	SLD 3	10267	12021	76908	20330	20330	1	Si
194	0.175	15.21	0	9155	SLD 3	9155	12021	76908	20330	20330	1	Si
220	0.175	15.21	0	8043	SLD 3	8043	12021	76908	20330	20330	1	Si
245	0.175	15.21	0	6931	SLD 3	6931	12021	76908	20330	20330	1	Si
245	0.175	15.21	0	-248	SLD 13	-248	-12021	-76908	-20330	-20330	1	Si
271	0.115	15.21	0	5819	SLD 3	5819	12021	76908	13338	13338	1	Si
271	0.115	15.21	0	-1360	SLD 13	-1360	-12021	-76908	-13338	-13338	1	Si
284	0.115	15.21	0	5263	SLD 3	5263	12021	76908	13338	13338	1	Si
284	0.115	15.21	0	-1915	SLD 13	-1915	-12021	-76908	-13338	-13338	1	Si
317	0.115	15.21	0	3952	SLD 3	3952	12021	76908	13338	13338	1	Si
317	0.115	15.21	0	-3227	SLD 13	-3227	-12021	-76908	-13338	-13338	1	Si
336	0	15.21	0	3707	SLD 3	3707	12021	76908	0	12021	1	Si
336	0	15.21	0	-3472	SLD 13	-3472	-12021	-76908	0	-12021	1	Si
362	0	15.21	0	3173	SLD 3	3173	12021	76908	0	12021	1	Si
362	0	15.21	0	-4006	SLD 13	-4006	-12021	-76908	0	-12021	1	Si
387	0	15.21	0	2362	SLD 3	2362	12021	76908	0	12021	1	Si
387	0	15.21	0	-4817	SLD 13	-4817	-12021	-76908	0	-12021	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1258441	3	-1092465	33	124.5	1229.7	1837	-1205946	2	-1050201	31.7	93.4	0	+∞	Si
23	-937610	3	-937610	28.3	124.5	1055.4	1837	-904664	2	-904664	27.3	93.4	0	+∞	Si
26	-891238	3	-937610	28.5	124.5	1076.9	1837	-861094	2	-904664	27.5	93.4	0	+∞	Si
52	-561241	9	-936265	29.7	124.5	1275	1837	-544966	2	-903401	28.6	93.4	0	+∞	Si
77	-279815	8	-601128	13	124.5	205.3	1837	-270336	1	-583674	22.4	93.4	0	+∞	Si
90	-155174	8	-447453	9.6	124.5	152.5	1837	-148130	1	-434583	16.6	93.4	0	+∞	Si
116	147717	2	399315	13.1	124.5	450.9	1837	119683	2	359587	11.8	93.4	0	+∞	Si
142	373894	3	590472	19.4	124.5	666.7	1837	335275	2	542856	17.8	93.4	0	+∞	Si
168	568971	3	750332	24.6	124.5	847.2	1837	522142	2	697400	22.9	93.4	0	+∞	Si
194	732753	3	878898	28.8	124.5	992.4	1837	680286	2	823220	27	93.4	0	+∞	Si
220	865239	3	976167	32	124.5	1102.2	1837	809704	2	920315	30.2	93.4	0	+∞	Si
245	966430	3	1042142	34.2	124.5	1176.7	1837	910398	2	988686	32.4	93.4	0	+∞	Si
271	1036325	3	1076820	35.3	124.5	1215.9	1837	982368	2	1028332	33.7	93.4	0	+∞	Si
284	1059537	3	1082602	35.5	124.5	1222.4	1837	1007581	2	1037545	34	93.4	0	+∞	Si
317	1083802	9	1083802	35.5	124.5	1223.8	1837	1038969	2	1038969	34.1	93.4	0	+∞	Si
336	1089668	9	1089668	35.7	124.5	1230.4	1837	1042946	2	1042946	34.2	93.4	0	+∞	Si
362	1090299	9	1090299	35.7	124.5	1231.1	1837	1041019	2	1041019	34.1	93.4	0	+∞	Si
387	1071084	9	1071084	35.1	124.5	1209.4	1837	1019779	2	1019779	33.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.002	2	9999	Si
26	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.004	2	0.003	2	9999	Si
52	0.006	0.004	0.005	0.004	0.006	0.004	0.005	0.004	0.005	0.004	0.011	2	0.009	2	9999	Si
77	0.011	0.008	0.009	0.007	0.01	0.008	0.008	0.007	0.01	0.008	0.021	2	0.018	2	9999	Si
90	0.014	0.011	0.011	0.009	0.013	0.011	0.011	0.009	0.012	0.011	0.026	2	0.022	2	9999	Si
116	0.019	0.015	0.016	0.013	0.018	0.015	0.015	0.013	0.017	0.015	0.037	2	0.032	2	9999	Si
142	0.024	0.019	0.02	0.016	0.022	0.019	0.019	0.016	0.022	0.019	0.047	2	0.041	2	8269	Si
168	0.028	0.023	0.024	0.02	0.026	0.023	0.023	0.02	0.026	0.023	0.056	2	0.05	2	6957	Si
194	0.031	0.025	0.027	0.022	0.029	0.025	0.025	0.022	0.029	0.025	0.062	2	0.056	2	6206	Si
220	0.032	0.027	0.029	0.024	0.031	0.027	0.027	0.024	0.03	0.027	0.066	2	0.06	2	5834	Si
232	0.033	0.027	0.029	0.024	0.031	0.027	0.027	0.024	0.03	0.027	0.067	2	0.061	2	5765	Si
245	0.032	0.027	0.029	0.024	0.031	0.027	0.027	0.024	0.03	0.027	0.067	2	0.061	2	5772	Si
271	0.03	0.026	0.028	0.023	0.029	0.026	0.026	0.023	0.029	0.026	0.064	2	0.059	2	6038	Si
284	0.029	0.025	0.026	0.022	0.027	0.025	0.025	0.022	0.027	0.025	0.061	2	0.056	2	6330	Si
317	0.022	0.019	0.021	0.018	0.021	0.019	0.02	0.018	0.021	0.019	0.049	2	0.045	2	7936	Si
336	0.017	0.015	0.017	0.014	0.016	0.015	0.016	0.014	0.016	0.015	0.039	2	0.036	2	9926	Si
362	0.009	0.008	0.009	0.008	0.008	0.008	0.009	0.008	0.008	0.008	0.022	2	0.02	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	12937	10223	23342	SLV 3	0.37	743	1.018	-904664	-894781	-1904566	SLV 3	0.4	933	1.117	Si
26	12793	10223	23342	SLV 3	0.37	768	1.032	-904664	-894781	-1867345	SLV 3	0.39	850	1.075	Si
52	11681	10223	23342	SLV 3	0.41	981	1.14	-903401	-894000	-1568709	SLV 3	0.27	359	0.755	No
77	10569	10223	23342	SLV 3	0.45	1249	1.259	-583674	-685452	-971216	SLV 3	0.21	197	0.59	No
90	10013	10223	23342	SLV 3	0.47	1398	1.319	-434583	-581401	-971252	SLV 3	0.34	586	0.923	No
116	8901	10223	20330	SLV 3	0.41	934	1.118	-157943	-374427	-971252	SLV 3	0.57	2474	1.666	Si
142	7790	10223	20330	SLV 3	0.44	1190	1.234	542856	412585	1873491	SLV 1	0.57	2474	1.666	Si
168	6678	10223	20330	SLV 3	0.48	1490	1.354	697400	603760	1873491	SLV 1	0.57	2474	1.666	Si
194	5566	10223	20330	SLV 3	0.52	1837	1.475	823220	796676	1873491	SLV 1	0.47	1440	1.335	Si
220	4454	10223	20330	SLV 3	0.55	2231	1.597	920315	991460	1873491	SLV 1	0.35	647	0.962	No
245	3342	10223	20330	SLV 3	0.57	2474	1.666	988686	1188781	1873491	SLV 1	0.27	359	0.755	No
271	2230	10223	13338	SLV 3	0.39	871	1.086	1028332	1389195	1873491	SLV 1	0.23	231	0.63	No
284	1674	10223	13338	SLV 3	0.41	982	1.141	1037545	1490541	1873491	SLV 1	0.21	194	0.587	No
317	363	10223	13338	SLV 3	0.46	1302	1.281	1038969	1524159	1873491	SLV 1	0.21	185	0.575	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	12937	3589	23342	SLD 3	0.39	845	2.699	-904664	-395738	-1904566	SLD 3	0.34	606	2.355	Si
26	12793	3589	23342	SLD 3	0.39	875	2.738	-904664	-395738	-1867345	SLD 3	0.33	552	2.267	Si
52	11681	3589	23342	SLD 3	0.43	1134	3.045	-903401	-395392	-1568709	SLD 3	0.23	244	1.622	Si
77	10569	3589	23342	SLD 3	0.47	1443	3.361	-583674	-303118	-971216	SLD 3	0.18	135	1.273	Si
90	10013	3589	23342	SLD 3	0.49	1617	3.522	-434583	-257078	-971252	SLD 3	0.29	391	1.968	Si
116	8901	3589	20330	SLD 3	0.43	1073	2.977	-157943	-165480	-971252	SLD 3	0.6	2474	4.193	Si
142	7790	3589	20330	SLD 3	0.47	1375	3.296	542856	182583	1873491	SLD 1	0.6	2474	4.193	Si
168	6678	3589	20330	SLD 3	0.5	1724	3.616	697400	267183	1873491	SLD 1	0.58	2474	4.193	Si
194	5566	3589	20330	SLD 3	0.54	2126	3.94	823220	352540	1873491	SLD 1	0.4	905	2.776	Si
220	4454	3589	20330	SLD 3	0.58	2474	4.193	920315	438720	1873491	SLD 1	0.3	426	2.038	Si
245	3342	3589	20330	SLD 3	0.6	2474	4.193	988686	526020	1873491	SLD 1	0.23	244	1.622	Si
271	2230	3589	13338	SLD 3	0.42	994	2.885	1028332	614687	1873491	SLD 1	0.19	158	1.357	Si
284	1674	3589	13338	SLD 3	0.44	1135	3.046	1037545	659524	1873491	SLD 1	0.18	133	1.265	Si
317	363	3589	13338	SLD 3	0.48	1505	3.42	1038969	674398	1873491	SLD 1	0.17	128	1.245	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" 54A-(2361; 2924)

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 54A - 55, sezione R 45x70, asta 690

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-3230030	SLU 30	-2932443	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-2643173	SLU 30	-2643173	-3671293	0.114	Si
65	30.41	5.4	15.21	5.4						-1589285	SLU 30	-2290856	-3671293	0.114	Si
131	24.29	5.4	15.21	5.4	-100390	SLU 1	329193	1872377	0.087	-203224	SLU 30	-791497	-2948234	0.103	Si
196	11.4	5.4	15.21	5.4	928997	SLU 29	1347363	1873055	0.09						Si
229	11.4	5.4	15.21	5.4	1399224	SLU 29	1760941	1873055	0.09						Si
294	11.4	5.4	22.57	5.4	2148664	SLU 29	2397083	2744945	0.105						Si
359	11.4	5.4	22.81	5.4	2643418	SLU 29	2778539	2773209	0.105						No
425	11.4	5.4	22.81	5.4	2883488	SLU 29	2905310	2773209	0.105						No
490	11.4	5.4	22.81	5.4	2868872	SLU 29	2903698	2773209	0.105						No
555	11.4	5.4	22.81	5.4	2599570	SLU 29	2747695	2773209	0.105						Si
621	11.4	5.4	15.21	5.4	2075583	SLU 29	2337007	1873055	0.09						No
686	11.4	5.4	15.21	5.4	1297728	SLU 29	1671597	1873055	0.09						Si
751	11.4	5.4	15.21	5.4	266695	SLU 29	753681	1873055	0.09	86263	SLU 8	-285981	-1422107	0.084	Si
784	16.56	5.4	15.21	5.4	-248621	SLU 1	199306	1872678	0.088	-348690	SLU 36	-946333	-2033022	0.09	Si
850	19.01	5.4	15.21	5.4						-1759162	SLU 30	-2472785	-2323187	0.094	No
915	24.35	5.4	15.21	5.4						-3427001	SLU 30	-4253922	-2955828	0.103	No
958	30.41	5.4	15.21	5.4						-4665647	SLU 30	-4665647	-3671293	0.114	No
980	30.41	5.4	15.21	5.4						-5349525	SLU 30	-5003450	-3671293	0.114	No

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-3882170	SLV 1	-3647567	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4	-95482	SLV 15	292610	1872209	0.086	-3418474	SLV 1	-3418474	-3671293	0.114	Si
65	30.41	5.4	15.21	5.4	470251	SLV 15	807183	1872209	0.086	-2578070	SLV 1	-3139248	-3671293	0.114	Si
131	24.29	5.4	15.21	5.4	1185056	SLV 15	1446203	1872377	0.087	-1444454	SLV 1	-1929788	-2948234	0.103	Si
196	11.4	5.4	15.21	5.4	1729512	SLV 15	1914894	1873055	0.09	-481350	SLV 1	-890826	-1422107	0.084	No
229	11.4	5.4	15.21	5.4	1937874	SLV 15	2085387	1873055	0.09	-63755	SLV 1	-435294	-1422107	0.084	No
294	11.4	5.4	22.57	5.4	2226922	SLV 15	2298741	2744945	0.105						Si
359	11.4	5.4	22.81	5.4	2345873	SLV 13	2345873	2773209	0.105						Si
425	11.4	5.4	22.81	5.4	2295079	SLV 13	2336521	2773209	0.105						Si
490	11.4	5.4	22.81	5.4	2075342	SLV 13	2191811	2773209	0.105						Si
555	11.4	5.4	22.81	5.4	1780906	SLV 1	1878936	2773209	0.105						Si
621	11.4	5.4	15.21	5.4	1633029	SLV 1	1717255	1873055	0.09						Si
686	11.4	5.4	15.21	5.4	1317587	SLV 1	1476370	1873055	0.09	373834	SLV 15	-8248	-1422107	0.084	Si
751	11.4	5.4	15.21	5.4	833699	SLV 1	1067870	1873055	0.09	-527761	SLV 15	-985809	-1422107	0.084	Si
784	16.56	5.4	15.21	5.4	527962	SLV 1	799980	1872678	0.088	-1042588	SLV 15	-1538590	-2033022	0.09	Si
850	19.01	5.4	15.21	5.4	-211196	SLV 1	136560	1872544	0.088	-2200205	SLV 15	-2772083	-2323187	0.094	No
882	19.01	5.4	15.21	5.4						-2842973	SLV 15	-3452780	-2323187	0.094	No
915	24.35	5.4	15.21	5.4						-3528372	SLV 15	-4176103	-2955828	0.103	No
958	30.41	5.4	15.21	5.4						-4496350	SLV 15	-4496350	-3671293	0.114	No
980	30.41	5.4	15.21	5.4						-5027041	SLV 15	-4758961	-3671293	0.114	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-2915722	SLD 1	-2701207	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-2492233	SLD 1	-2492233	-3671293	0.114	Si
65	30.41	5.4	15.21	5.4	-379430	SLD 15	9438	1872209	0.086	-1728389	SLD 1	-2237625	-3671293	0.114	Si
131	24.29	5.4	15.21	5.4	452112	SLD 15	765177	1872377	0.087	-711510	SLD 1	-1144917	-2948234	0.103	Si
196	11.4	5.4	15.21	5.4	1113260	SLD 15	1350531	1873055	0.09	134902	SLD 1	-222670	-1422107	0.084	Si
229	11.4	5.4	15.21	5.4	1379943	SLD 15	1579322	1873055	0.09						Si
294	11.4	5.4	22.57	5.4	1785549	SLD 15	1909166	2744945	0.105						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
359	11.4	5.4	22.81	5.4	2020873	SLD 13	2068783	2773209	0.105						Si
425	11.4	5.4	22.81	5.4	2086069	SLD 13	2086069	2773209	0.105						Si
490	11.4	5.4	22.81	5.4	1981491	SLD 13	2046863	2773209	0.105						Si
555	11.4	5.4	22.81	5.4	1748847	SLD 1	1848318	2773209	0.105						Si
621	11.4	5.4	15.21	5.4	1486068	SLD 1	1621700	1873055	0.09						Si
686	11.4	5.4	15.21	5.4	1054534	SLD 1	1265015	1873055	0.09						Si
751	11.4	5.4	15.21	5.4	454217	SLD 1	740207	1873055	0.09	-148279	SLD 15	-554474	-1422107	0.084	Si
784	16.56	5.4	15.21	5.4	90199	SLD 1	414070	1872678	0.088	-604826	SLD 15	-1048949	-2033022	0.09	Si
850	19.01	5.4	15.21	5.4						-1645804	SLD 15	-2165771	-2323187	0.094	Si
882	19.01	5.4	15.21	5.4						-2230226	SLD 15	-2788110	-2323187	0.094	No
915	24.35	5.4	15.21	5.4						-2857265	SLD 15	-3453065	-2955828	0.103	No
958	30.41	5.4	15.21	5.4						-3748698	SLD 15	-3748698	-3671293	0.114	No
980	30.41	5.4	15.21	5.4						-4239189	SLD 15	-3991191	-3671293	0.114	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	27052	SLU 29	27052	15146	76908	0	15146	1	Si
23	0.23	30.41	0	25714	SLU 29	25714	15146	76908	26676	26676	1	Si
65	0.23	24.29	0	23161	SLU 29	23161	14052	76908	26676	26676	1	Si
131	0.226	11.4	0	19263	SLU 29	19263	10922	76908	26271	26271	1	Si
196	0.226	15.21	0	15366	SLU 29	15366	12021	76908	26271	26271	1	Si
229	0.226	15.21	0	13417	SLU 29	13417	12021	76908	26271	26271	1	Si
294	0.226	15.21	0	9520	SLU 29	9520	12021	76908	26271	26271	1	Si
359	0.226	22.57	0	5622	SLU 29	5622	13712	76908	26271	26271	1	Si
425	0.226	22.81	0	1725	SLU 29	1725	13761	76908	26271	26271	1	Si
490	0.226	22.81	0	-2174	SLU 30	-2174	-13761	-76908	-26271	-26271	1	Si
555	0.226	15.21	0	-6071	SLU 30	-6071	-12021	-76908	-26271	-26271	1	Si
621	0.226	15.21	0	-9969	SLU 30	-9969	-12021	-76908	-26271	-26271	1	Si
686	0.226	15.21	0	-13831	SLU 30	-13831	-12021	-76908	-26271	-26271	1	Si
751	0.226	15.21	0	-17728	SLU 30	-17728	-12021	-76908	-26271	-26271	1	Si
784	0.226	11.4	0	-19677	SLU 30	-19677	-10922	-76908	-26271	-26271	1	Si
850	0.226	16.56	0	-23574	SLU 30	-23574	-12367	-76908	-26271	-26271	1	Si
915	0.273	19.01	0	-27472	SLU 30	-27472	-12949	-76908	-31678	-31678	1	Si
958	0.273	19.01	0	-30027	SLU 30	-30027	-12949	-76908	-31678	-31678	1	Si
980	0	24.35	0	-31369	SLU 30	-31369	-14064	-76908	0	-14064	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	21259	SLV 1	22093	15146	76908	0	15146	1	Si
23	0.23	30.41	0	20364	SLV 1	21198	15146	76908	26676	26676	1	Si
65	0.23	24.29	0	18655	SLV 1	19489	14052	76908	26676	26676	1	Si
131	0.226	11.4	0	16047	SLV 1	16881	10922	76908	26271	26271	1	Si
196	0.226	11.4	0	13439	SLV 1	14273	10922	76908	26271	26271	1	Si
229	0.226	11.4	0	12135	SLV 1	12969	10922	76908	26271	26271	1	Si
294	0.226	15.21	0	9527	SLV 1	10361	12021	76908	26271	26271	1	Si
359	0.226	22.57	0	6919	SLV 1	7753	13712	76908	26271	26271	1	Si
359	0.226	22.57	0	503	SLV 15	-331	-13712	-76908	-26271	-26271	1	Si
425	0.226	22.81	0	4311	SLV 1	5145	13761	76908	26271	26271	1	Si
425	0.226	22.81	0	-2105	SLV 15	-2939	-13761	-76908	-26271	-26271	1	Si
490	0.226	22.81	0	1702	SLV 1	2537	13761	76908	26271	26271	1	Si
490	0.226	22.81	0	-4713	SLV 15	-5547	-13761	-76908	-26271	-26271	1	Si
555	0.226	15.21	0	-7321	SLV 15	-8155	-12021	-76908	-26271	-26271	1	Si
621	0.226	15.21	0	-9929	SLV 15	-10764	-12021	-76908	-26271	-26271	1	Si
686	0.226	15.21	0	-12505	SLV 15	-13339	-12021	-76908	-26271	-26271	1	Si
751	0.226	11.4	0	-15113	SLV 15	-15947	-10922	-76908	-26271	-26271	1	Si
784	0.226	11.4	0	-16417	SLV 15	-17251	-10922	-76908	-26271	-26271	1	Si
850	0.226	16.56	0	-19025	SLV 15	-19859	-12367	-76908	-26271	-26271	1	Si
915	0.273	19.01	0	-21633	SLV 15	-22467	-12949	-76908	-31678	-31678	1	Si
958	0.273	19.01	0	-23343	SLV 15	-24177	-12949	-76908	-31678	-31678	1	Si
980	0	24.35	0	-24241	SLV 15	-25075	-14064	-76908	0	-14064	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	19471	SLD 1	19471	15146	76908	0	15146	1	Si
23	0.23	30.41	0	18575	SLD 1	18575	15146	76908	26676	26676	1	Si
65	0.23	24.29	0	16867	SLD 1	16867	14052	76908	26676	26676	1	Si
131	0.226	11.4	0	14259	SLD 1	14259	10922	76908	26271	26271	1	Si
196	0.226	15.21	0	11651	SLD 1	11651	12021	76908	26271	26271	1	Si
229	0.226	15.21	0	10347	SLD 1	10347	12021	76908	26271	26271	1	Si
294	0.226	15.21	0	7738	SLD 1	7738	12021	76908	26271	26271	1	Si
359	0.226	22.57	0	5130	SLD 1	5130	13712	76908	26271	26271	1	Si
425	0.226	22.81	0	2522	SLD 1	2522	13761	76908	26271	26271	1	Si
425	0.226	22.81	0	-317	SLD 15	-317	-13761	-76908	-26271	-26271	1	Si
490	0.226	22.81	0	-2925	SLD 15	-2925	-13761	-76908	-26271	-26271	1	Si
555	0.226	15.21	0	-5533	SLD 15	-5533	-12021	-76908	-26271	-26271	1	Si
621	0.226	15.21	0	-8141	SLD 15	-8141	-12021	-76908	-26271	-26271	1	Si
686	0.226	15.21	0	-10717	SLD 15	-10717	-12021	-76908	-26271	-26271	1	Si
751	0.226	11.4	0	-13325	SLD 15	-13325	-10922	-76908	-26271	-26271	1	Si
784	0.226	11.4	0	-14629	SLD 15	-14629	-10922	-76908	-26271	-26271	1	Si
850	0.226	16.56	0	-17237	SLD 15	-17237	-12367	-76908	-26271	-26271	1	Si
915	0.273	19.01	0	-19845	SLD 15	-19845	-12949	-76908	-31678	-31678	1	Si
958	0.273	19.01	0	-21555	SLD 15	-21555	-12949	-76908	-31678	-31678	1	Si
980	0	24.35	0	-22453	SLD 15	-22453	-14064	-76908	0	-14064	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-2347153	3	-2130649	50.8	124.5	1228.2	1837	-2148550	2	-1949982	46.5	93.4	0	+∞	Si
23	-1920201	3	-1920201	45.8	124.5	1106.9	1837	-1756978	2	-1756978	41.9	93.4	0	+∞	Si
65	-1153523	3	-1663888	39.7	124.5	959.2	1837	-1053909	2	-1521913	36.3	93.4	0	+∞	Si
131	-145380	3	-573229	14.6	124.5	409.5	1837	-129699	2	-521885	13.3	93.4	0	+∞	Si
196	677839	2	981943	30.6	124.5	1104.2	1837	624081	2	902542	28.1	93.4	0	+∞	Si
229	1019639	2	1282486	39.9	124.5	1442.2	1837	937060	2	1177612	36.7	93.4	0	+∞	Si
294	1564125	2	1744456	47.7	124.5	1343.4	1837	1435194	2	1599929	43.8	93.4	0	+∞	Si
359	1923122	2	2020938	55.1	124.5	1540.6	1837	1762897	2	1851815	50.5	93.4	0	+∞	Si
425	2096632	2	2111933	57.6	124.5	1610	1837	1920170	2	1933270	52.7	93.4	0	+∞	Si
490	2084655	2	2110612	57.6	124.5	1609	1837	1907012	2	1931819	52.7	93.4	0	+∞	Si
555	1887189	2	1995662	54.4	124.5	1521.4	1837	1723423	2	1824048	49.7	93.4	0	+∞	Si
621	1504236	2	1695224	52.8	124.5	1906.3	1837	1369404	2	1545845	48.1	93.4	0	+∞	Si
686	936477	2	1209290	37.7	124.5	1359.9	1837	845711	2	1097232	34.2	93.4	0	+∞	Si
751	184479	2	539638	16.8	124.5	606.8	1837	152969	2	480093	15	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
784	-263985	9	-699898	20.2	124.5	722.5	1837	-257313	2	-660255	19	93.4	0	+∞	Si
850	-1292487	3	-1812704	50	124.5	1638.5	1837	-1205701	2	-1684459	46.4	93.4	0	+∞	Si
915	-2508265	3	-3110997	79.3	124.5	2217.1	1837	-2324519	2	-2879094	73.4	93.4	0	+∞	Si
958	-3411086	3	-3411086	81.4	124.5	1966.3	1837	-3155188	2	-3155188	75.3	93.4	0	+∞	Si
980	-3909530	3	-3657296	87.2	124.5	2108.3	1837	-3613767	2	-3381710	80.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.021	0.017	0.03	0.018	0.02	0.017	0.026	0.018	0.019	0.017	0.058	2	0.045	2	9999	Si
65	0.067	0.052	0.095	0.058	0.062	0.052	0.084	0.058	0.061	0.052	0.183	2	0.144	2	5365	Si
131	0.146	0.114	0.204	0.125	0.137	0.115	0.179	0.126	0.134	0.115	0.391	2	0.31	2	2506	Si
196	0.227	0.178	0.315	0.193	0.212	0.178	0.276	0.194	0.208	0.178	0.602	2	0.479	2	1627	Si
229	0.265	0.207	0.368	0.226	0.248	0.208	0.323	0.227	0.242	0.208	0.703	2	0.559	2	1393	Si
294	0.331	0.259	0.464	0.284	0.309	0.259	0.407	0.285	0.302	0.26	0.882	2	0.702	2	1111	Si
359	0.379	0.295	0.538	0.328	0.354	0.297	0.472	0.33	0.346	0.297	1.013	2	0.809	2	968	Si
425	0.404	0.315	0.578	0.352	0.378	0.316	0.507	0.354	0.369	0.316	1.083	2	0.866	2	905	Si
457	0.408	0.317	0.583	0.355	0.381	0.318	0.511	0.357	0.372	0.319	1.093	2	0.874	2	897	Si
490	0.405	0.315	0.578	0.351	0.378	0.316	0.507	0.353	0.37	0.316	1.086	2	0.867	2	903	Si
555	0.382	0.296	0.54	0.326	0.357	0.297	0.473	0.328	0.348	0.297	1.021	2	0.813	2	960	Si
621	0.337	0.26	0.47	0.282	0.314	0.261	0.41	0.284	0.307	0.261	0.898	2	0.71	2	1092	Si
686	0.274	0.21	0.377	0.224	0.255	0.211	0.328	0.226	0.249	0.212	0.725	2	0.571	2	1353	Si
751	0.201	0.152	0.273	0.16	0.187	0.153	0.237	0.161	0.182	0.154	0.527	2	0.414	2	1860	Si
784	0.162	0.123	0.22	0.126	0.151	0.123	0.19	0.128	0.147	0.123	0.426	2	0.333	2	2302	Si
850	0.089	0.066	0.117	0.063	0.082	0.066	0.1	0.064	0.08	0.066	0.231	2	0.179	2	4244	Si
915	0.03	0.021	0.033	0.014	0.028	0.022	0.027	0.014	0.027	0.022	0.076	2	0.056	2	9999	Si
958	0.007	0.005	0.004	-0.001	0.007	0.005	0.002	-0.001	0.006	0.005	0.015	2	0.01	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	17156	4042	26676	SLV 1	0.57	2474	1.666	-1756978	-1661496	-3671293	SLV 1	0.42	1008	1.153	Si
65	15447	4042	26676	SLV 1	0.57	2474	1.666	-1521913	-1617335	-3671293	SLV 1	0.48	1471	1.346	Si
131	12839	4042	26271	SLV 1	0.57	2474	1.666	224579	1221624	1872377	SLV 15	0.48	1530	1.368	Si
196	10231	4042	26271	SLV 1	0.57	2474	1.666	902542	1012353	1873055	SLV 15	0.35	642	0.958	No
229	8927	4042	26271	SLV 1	0.57	2474	1.666	1177612	907775	1873055	SLV 15	0.28	383	0.776	No
294	6319	4042	26271	SLV 1	0.57	2474	1.666	1599929	698813	2744945	SLV 15	0.57	2474	1.666	Si
359	3711	4042	26271	SLV 1	0.57	2474	1.666	1636070	672670	2773209	SLV 15	0.57	2474	1.666	Si
425	1103	4042	26271	SLV 1	0.57	2474	1.666	1869160	467361	2773209	SLV 13	0.57	2474	1.666	Si
490	-1505	-4042	-26271	SLV 15	0.57	2474	1.666	1931819	259991	2773209	SLV 13	0.57	2474	1.666	Si
555	-4113	-4042	-26271	SLV 15	0.57	2474	1.666	1584890	148675	2773209	SLV 1	0.57	2474	1.666	Si
621	-6722	-4042	-26271	SLV 15	0.57	2474	1.666	1545845	171410	1873055	SLV 1	0.57	2474	1.666	Si
686	-9297	-4042	-26271	SLV 15	0.57	2474	1.666	1097232	379138	1873055	SLV 1	0.57	2474	1.666	Si
751	-11905	-4042	-26271	SLV 15	0.57	2474	1.666	-212064	-773745	-1422107	SLV 15	0.56	2273	1.609	Si
784	-13209	-4042	-26271	SLV 15	0.57	2474	1.666	-660255	-878335	-2033022	SLV 15	0.56	2269	1.608	Si
850	-15817	-4042	-26271	SLV 15	0.57	2474	1.666	-1684459	-1087624	-2323187	SLV 15	0.22	214	0.611	No
915	-18425	-4042	-31678	SLV 15	0.57	2474	1.666	-2879094	-1297009	-2955828	SLV 15	0.02	2	0.09	No
958	-20135	-4042	-31678	SLV 15	0.57	2474	1.666	-3155188	-1341162	-3671293	SLV 15	0.15	90	0.428	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	17156	1420	26676	SLD 1	0.6	2474	4.193	-1756978	-735255	-3671293	SLD 1	0.35	651	2.425	Si
65	15447	1420	26676	SLD 1	0.6	2474	4.193	-1521913	-715712	-3671293	SLD 1	0.4	922	2.797	Si
131	12839	1420	26271	SLD 1	0.6	2474	4.193	224579	540598	1872377	SLD 15	0.41	956	2.839	Si
196	10231	1420	26271	SLD 1	0.6	2474	4.193	902542	447989	1873055	SLD 15	0.3	424	2.034	Si
229	8927	1420	26271	SLD 1	0.6	2474	4.193	1177612	401710	1873055	SLD 15	0.24	260	1.665	Si
294	6319	1420	26271	SLD 1	0.6	2474	4.193	1599929	309238	2744945	SLD 15	0.49	1605	3.511	Si
359	3711	1420	26271	SLD 1	0.6	2474	4.193	1636070	297669	2773209	SLD 15	0.51	1744	3.633	Si
425	1103	1420	26271	SLD 1	0.6	2474	4.193	1920170	165899	2773209	SLD 13	0.6	2474	4.193	Si
490	-1505	-1420	-26271	SLD 15	0.6	2474	4.193	1931819	115044	2773209	SLD 13	0.6	2474	4.193	Si
555	-4113	-1420	-26271	SLD 15	0.6	2474	4.193	1584890	65791	2773209	SLD 1	0.6	2474	4.193	Si
621	-6722	-1420	-26271	SLD 15	0.6	2474	4.193	1545845	75854	1873055	SLD 1	0.57	2414	4.151	Si
686	-9297	-1420	-26271	SLD 15	0.6	2474	4.193	1097232	167784	1873055	SLD 1	0.6	2474	4.193	Si
751	-11905	-1420	-26271	SLD 15	0.6	2474	4.193	-212064	-342410	-1422107	SLD 15	0.47	1416	3.335	Si
784	-13209	-1420	-26271	SLD 15	0.6	2474	4.193	-660255	-388695	-2033022	SLD 15	0.47	1414	3.334	Si
850	-15817	-1420	-26271	SLD 15	0.6	2474	4.193	-1684459	-481312	-2323187	SLD 15	0.19	147	1.318	Si
915	-18425	-1420	-31678	SLD 15	0.6	2474	4.193	-2879094	-573971	-2955828	SLD 15	0.01	1	0.17	No
958	-20135	-1420	-31678	SLD 15	0.6	2474	4.193	-3155188	-593510	-3671293	SLD 15	0.12	62	0.925	No

Campata 2 tra i fili 55 - 56, sezione R 45x70, asta 691

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-4048052	SLU 30	-3710291	-3671293	0.114	No
23	30.41	5.4	15.21	5.4						-3386675	SLU 30	-3386675	-3671293	0.114	Si
26	29.94	5.4	15.21	5.4						-3290168	SLU 30	-3386675	-3615647	0.113	Si
52	26.29	5.4	18.07	5.4						-2572086	SLU 30	-3383876	-3184498	0.103	No
77	19.01	5.4	18.52	5.4						-1893806	SLU 30	-2660808	-2322913	0.092	No
90	19.01	5.4	19.01	5.4						-1569593	SLU 30	-2314199	-2322809	0.092	Si
116	16.58	5.4	19.01	5.4						-951640	SLU 29	-1650834	-2035775	0.089	Si
142	11.4	5.4	19.01	5.4	-214756	SLU 8	245153	2323557	0.097	-375172	SLU 29	-1027606	-1422107	0.084	Si
168	11.4	5.4	19.01	5.4	182851	SLU 36	728471	2323557	0.097	109886	SLU 1	-446151	-1422107	0.084	Si
194	11.4	5.4	19.01	5.4	670824	SLU 36	1179068	2323557	0.097						Si
220	11.4	5.4	19.01	5.4	1125254	SLU 30	1593642	2323557	0.097						Si
245	11.4	5.4	23.71	6.2	1544815	SLU 30	1968413	2842136	0.108						Si
271	11.4	5.4	26.61	6.5	1924573	SLU 30	2303382	3161268	0.116						Si
297	11.4	5.4	26.61	6.5	2264529	SLU 30	2504341	3161268	0.116						Si
317	11.4	5.4	26.61	6.5	2504341	SLU 30	2504341	3161268	0.116						Si
336	11.4	5.4	26.61	6.5	2708630	SLU 30	2685054	3161268	0.116						Si
362	11.4	5.4	26.61	6.5	2989651	SLU 30	2847256	3161268	0.116						Si
387	11.4	5.4	26.61	6.5	3263840	SLU 30	2901324	3161268	0.116						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-4118691	SLV 3	-3786819	-3671293	0.114	No
23	30.41	5.4	15.21	5.4						-3464266	SLV 3	-3464266	-3671293	0.114	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
26	29.94	5.4	15.21	5.4						-3368303	SLV 3	-3464266	-3615647	0.113	Si
52	26.29	5.4	18.07	5.4						-2644637	SLV 3	-3461483	-3184498	0.103	No
77	19.01	5.4	18.52	5.4						-1947782	SLV 3	-2734467	-2322913	0.092	No
90	19.01	5.4	19.01	5.4						-1609478	SLV 3	-2381000	-2322809	0.092	No
116	16.58	5.4	19.01	5.4						-953620	SLV 3	-1694250	-2035775	0.089	Si
142	11.4	5.4	19.01	5.4	-184519	SLV 13	369920	2323557	0.097	-334412	SLV 3	-1034908	-1422107	0.084	Si
168	11.4	5.4	19.01	5.4	298516	SLV 1	927957	2323557	0.097	-63023	SLV 15	-410244	-1422107	0.084	Si
194	11.4	5.4	19.01	5.4	866151	SLV 1	1481551	2323557	0.097	70494	SLV 15	-84938	-1422107	0.084	Si
220	11.4	5.4	19.01	5.4	1415145	SLV 3	2001746	2323557	0.097						Si
245	11.4	5.4	23.71	6.2	1938627	SLV 3	2495595	2842136	0.108						Si
271	11.4	5.4	26.61	6.5	2435793	SLV 3	2962934	3161268	0.116						Si
297	11.4	5.4	26.61	6.5	2906460	SLV 3	3259167	3161268	0.116						No
317	11.4	5.4	26.61	6.5	3259167	SLV 3	3259167	3161268	0.116						No
336	11.4	5.4	26.61	6.5	3568346	SLV 3	3530153	3161268	0.116						No
362	11.4	5.4	26.61	6.5	3998860	SLV 3	3773383	3161268	0.116						No
387	11.4	5.4	26.61	6.5	4424140	SLV 3	3854459	3161268	0.116						No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-3389017	SLD 3	-3112148	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-2844680	SLD 3	-2844680	-3671293	0.114	Si
26	29.94	5.4	15.21	5.4						-2765024	SLD 3	-2844680	-3615647	0.113	Si
52	26.29	5.4	18.07	5.4						-2167704	SLD 3	-2842370	-3184498	0.103	Si
77	19.01	5.4	18.52	5.4						-1597095	SLD 3	-2241707	-2322913	0.092	Si
90	19.01	5.4	19.01	5.4						-1321836	SLD 3	-1951386	-2322809	0.092	Si
116	16.58	5.4	19.01	5.4						-791629	SLD 3	-1390811	-2035775	0.089	Si
142	11.4	5.4	19.01	5.4	-226548	SLD 13	254287	2323557	0.097	-292383	SLD 3	-857203	-1422107	0.084	Si
168	11.4	5.4	19.01	5.4	197734	SLD 1	694813	2323557	0.097	37758	SLD 15	-353704	-1422107	0.084	Si
194	11.4	5.4	19.01	5.4	644374	SLD 1	1118503	2323557	0.097						Si
220	11.4	5.4	19.01	5.4	1067889	SLD 3	1512560	2323557	0.097						Si
245	11.4	5.4	23.71	6.2	1465261	SLD 3	1880108	2842136	0.108						Si
271	11.4	5.4	26.61	6.5	1836137	SLD 3	2221075	3161268	0.116						Si
297	11.4	5.4	26.61	6.5	2180437	SLD 3	2433244	3161268	0.116						Si
317	11.4	5.4	26.61	6.5	2433244	SLD 3	2433244	3161268	0.116						Si
336	11.4	5.4	26.61	6.5	2652705	SLD 3	2626217	3161268	0.116						Si
362	11.4	5.4	26.61	6.5	2956781	SLD 3	2799424	3161268	0.116						Si
387	11.4	5.4	26.61	6.5	3255610	SLD 3	2857160	3161268	0.116						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	24.46	0	30108	SLU 30	30108	14085	76908	0	14085	1	Si
13	0	19.01	0	29337	SLU 30	29337	12949	76908	0	12949	1	Si
23	0.273	19.01	0	28766	SLU 30	28766	12949	76908	31678	31678	1	Si
26	0.273	19.01	0	28567	SLU 30	28567	12949	76908	31678	31678	1	Si
52	0.273	16.58	0	27026	SLU 30	27026	12374	76908	31678	31678	1	Si
77	0.273	11.4	0	25486	SLU 30	25486	10922	76908	31678	31678	1	Si
90	0.273	11.4	0	24715	SLU 30	24715	10922	76908	31678	31678	1	Si
116	0.246	11.4	0	23174	SLU 30	23174	10922	76908	28613	28613	1	Si
142	0.246	11.4	0	21634	SLU 30	21634	10922	76908	28613	28613	1	Si
168	0.246	19.01	0	20093	SLU 30	20093	12949	76908	28613	28613	1	Si
194	0.246	19.01	0	18552	SLU 30	18552	12949	76908	28613	28613	1	Si
220	0.246	19.01	0	17011	SLU 30	17011	12949	76908	28613	28613	1	Si
245	0.246	19.01	0	15471	SLU 30	15471	12871	75964	28261	28261	1	Si
271	0.201	19.01	0	13930	SLU 30	13930	12837	75548	22929	22929	1	Si
297	0.201	19.01	0	12417	SLU 36	12417	12837	75548	22929	22929	1	Si
317	0.201	25.45	0	11437	SLU 36	11437	14149	75548	22929	22929	1	Si
336	0	26.61	0	11117	SLU 36	11117	14361	75548	0	14361	1	Si
362	0	26.61	0	10853	SLU 36	10853	14361	75548	0	14361	1	Si
387	0	26.61	0	10588	SLU 36	10588	14361	75548	0	14361	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	24.46	0	29569	SLV 3	31853	14085	76908	0	14085	1	Si
13	0	19.01	0	29054	SLV 3	31337	12949	76908	0	12949	1	Si
23	0.273	19.01	0	28671	SLV 3	30955	12949	76908	31678	31678	1	Si
26	0.273	19.01	0	28538	SLV 3	30822	12949	76908	31678	31678	1	Si
52	0.273	16.58	0	27507	SLV 3	29791	12374	76908	31678	31678	1	Si
77	0.273	11.4	0	26476	SLV 3	28759	10922	76908	31678	31678	1	Si
90	0.273	11.4	0	25961	SLV 3	28244	10922	76908	31678	31678	1	Si
116	0.246	11.4	0	24930	SLV 3	27213	10922	76908	28613	28613	1	Si
142	0.246	11.4	0	23899	SLV 3	26182	10922	76908	28613	28613	1	Si
168	0.246	19.01	0	22868	SLV 3	25151	12949	76908	28613	28613	1	Si
194	0.246	19.01	0	21837	SLV 3	24120	12949	76908	28613	28613	1	Si
220	0.246	19.01	0	20806	SLV 3	23089	12949	76908	28613	28613	1	Si
245	0.246	19.01	0	19775	SLV 3	22058	12871	75964	28261	28261	1	Si
245	0.246	19.01	0	2212	SLV 13	-72	-12871	-75964	-28261	-28261	1	Si
271	0.201	19.01	0	18743	SLV 3	21027	12837	75548	22929	22929	1	Si
271	0.201	19.01	0	1181	SLV 13	-1103	-12837	-75548	-22929	-22929	1	Si
297	0.201	19.01	0	17712	SLV 3	19996	12837	75548	22929	22929	1	Si
297	0.201	19.01	0	150	SLV 13	-2134	-12837	-75548	-22929	-22929	1	Si
317	0.201	25.45	0	17008	SLV 3	19292	14149	75548	22929	22929	1	Si
317	0.201	25.45	0	-554	SLV 13	-2838	-14149	-75548	-22929	-22929	1	Si
336	0	26.61	0	16770	SLV 3	19054	14361	75548	0	14361	1	Si
336	0	26.61	0	-792	SLV 13	-3076	-14361	-75548	0	-14361	1	Si
362	0	26.61	0	16567	SLV 3	18850	14361	75548	0	14361	1	Si
362	0	26.61	0	-996	SLV 13	-3279	-14361	-75548	0	-14361	1	Si
387	0	26.61	0	16364	SLV 3	18647	14361	75548	0	14361	1	Si
387	0	26.61	0	-1199	SLV 13	-3482	-14361	-75548	0	-14361	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	24.46	0	24673	SLD 3	24673	14085	76908	0	14085	1	Si
13	0	19.01	0	24157	SLD 3	24157	12949	76908	0	12949	1	Si
23	0.273	19.01	0	23775	SLD 3	23775	12949	76908	31678	31678	1	Si
26	0.273	19.01	0	23642	SLD 3	23642	12949	76908	31678	31678	1	Si
52	0.273	16.58	0	22611	SLD 3	22611	12374	76908	31678	31678	1	Si
77	0.273	11.4	0	21580	SLD 3	21580	10922	76908	31678	31678	1	Si
90	0.273	11.4	0	21064	SLD 3	21064	10922	76908	31678	31678	1	Si
116	0.246	11.4	0	20033	SLD 3	20033	10922	76908	28613	28613	1	Si
142	0.246	11.4	0	19002	SLD 3	19002	10922	76908	28613	28613	1	Si
168	0.246	19.01	0	17971	SLD 3	17971	12949	76908	28613	28613	1	Si
194	0.246	19.01	0	16940	SLD 3	16940	12949	76908	28613	28613	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
220	0.246	19.01	0	15909	SLD 3	15909	12949	76908	28613	28613	1	Si
245	0.246	19.01	0	14878	SLD 3	14878	12871	75964	28261	28261	1	Si
271	0.201	19.01	0	13847	SLD 3	13847	12837	75548	22929	22929	1	Si
297	0.201	19.01	0	12816	SLD 3	12816	12837	75548	22929	22929	1	Si
317	0.201	25.45	0	12112	SLD 3	12112	14149	75548	22929	22929	1	Si
336	0	26.61	0	11874	SLD 3	11874	14361	75548	0	14361	1	Si
362	0	26.61	0	11671	SLD 3	11671	14361	75548	0	14361	1	Si
387	0	26.61	0	11467	SLD 3	11467	14361	75548	0	14361	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-2987948	3	-2739181	65.3	124.5	1579	1837	-2810235	2	-2577008	61.5	93.4	0	+∞	Si
23	-2500715	3	-2500715	59.6	124.5	1441.5	1837	-2353245	2	-2353245	56.1	93.4	0	+∞	Si
26	-2429606	3	-2500715	59.9	124.5	1463.2	1837	-2286530	2	-2353245	56.4	93.4	0	+∞	Si
52	-1900251	3	-2498652	60.2	124.5	1649.6	1837	-1789459	2	-2351311	56.6	93.4	0	+∞	Si
77	-1399886	3	-1965666	52.1	124.5	1771.4	1837	-1319024	2	-1850903	49	93.4	0	+∞	Si
90	-1160574	3	-1710044	45	124.5	1540.4	1837	-1093795	2	-1610687	42.4	93.4	0	+∞	Si
116	-704105	2	-1220541	33.6	124.5	1254.3	1837	-663312	2	-1150233	31.7	93.4	0	+∞	Si
142	-277747	2	-760248	23.8	124.5	1123.6	1837	-259465	2	-716413	22.5	93.4	0	+∞	Si
168	133862	9	539171	15.6	124.5	489.3	1837	117746	2	509744	14.7	93.4	0	+∞	Si
194	496317	9	873948	25.3	124.5	793.2	1837	468323	2	830348	24	93.4	0	+∞	Si
220	833957	3	1182257	34.2	124.5	1073	1837	792264	2	1124316	32.5	93.4	0	+∞	Si
245	1145898	3	1461578	40.1	124.5	1107.7	1837	1089570	2	1391650	38.2	93.4	0	+∞	Si
271	1428850	3	1711910	45.7	124.5	1179.4	1837	1360240	2	1632348	43.6	93.4	0	+∞	Si
297	1682814	3	1862503	49.8	124.5	1283.2	1837	1604275	2	1777817	47.5	93.4	0	+∞	Si
317	1862503	3	1862503	49.8	124.5	1283.2	1837	1777817	2	1777817	47.5	93.4	0	+∞	Si
336	2015740	3	1998025	53.4	124.5	1376.5	1837	1926092	2	1908893	51	93.4	0	+∞	Si
362	2226438	3	2119665	56.6	124.5	1460.3	1837	2129849	2	2026544	54.2	93.4	0	+∞	Si
387	2431881	3	2160211	57.7	124.5	1488.3	1837	2328349	2	2065760	55.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.005	-0.006	-0.006	-0.008	-0.005	-0.005	-0.006	-0.008	-0.005	-0.005	-0.012	1	-0.014	1	9999	Si
26	-0.005	-0.006	-0.007	-0.009	-0.005	-0.006	-0.007	-0.008	-0.005	-0.006	-0.014	1	-0.015	1	9999	Si
52	-0.007	-0.008	-0.008	-0.012	-0.007	-0.008	-0.008	-0.011	-0.007	-0.008	-0.017	1	-0.02	1	9999	Si
77	-0.005	-0.007	-0.006	-0.009	-0.005	-0.006	-0.006	-0.008	-0.005	-0.006	-0.013	1	-0.016	1	9999	Si
90	-0.003	-0.005	-0.004	-0.007	-0.004	-0.005	-0.004	-0.006	-0.004	-0.005	-0.009	1	-0.011	1	9999	Si
116	0.001	0	0.001	-0.001	0.001	0	0	-0.001	0	0	0.002	1	0.001	1	9999	Si
142	0.007	0.006	0.007	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.015	1	0.015	1	9999	Si
168	0.013	0.011	0.014	0.012	0.012	0.011	0.013	0.012	0.012	0.011	0.031	2	0.029	2	9999	Si
194	0.019	0.017	0.021	0.018	0.018	0.017	0.019	0.018	0.018	0.017	0.046	2	0.042	2	8515	Si
220	0.024	0.021	0.028	0.023	0.023	0.021	0.025	0.023	0.022	0.021	0.059	2	0.054	2	6603	Si
245	0.027	0.024	0.033	0.027	0.026	0.024	0.03	0.027	0.026	0.024	0.069	2	0.063	2	5623	Si
271	0.029	0.026	0.036	0.029	0.027	0.026	0.033	0.029	0.027	0.026	0.075	2	0.068	2	5181	Si
284	0.028	0.025	0.036	0.03	0.027	0.025	0.034	0.03	0.027	0.025	0.075	2	0.069	2	5137	Si
297	0.027	0.025	0.036	0.03	0.026	0.025	0.034	0.03	0.026	0.025	0.074	2	0.068	2	5218	Si
317	0.024	0.022	0.034	0.028	0.023	0.022	0.031	0.028	0.023	0.022	0.068	2	0.062	2	5678	Si
336	0.02	0.018	0.029	0.024	0.019	0.018	0.027	0.024	0.019	0.018	0.058	2	0.053	2	6685	Si
362	0.01	0.009	0.018	0.015	0.01	0.009	0.017	0.015	0.01	0.009	0.035	2	0.032	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	19890	11065	31678	SLV 3	0.39	830	1.065	-2353245	-1111021	-3671293	SLV 3	0.43	1089	1.19	Si
26	19757	11065	31678	SLV 3	0.39	853	1.077	-2353245	-1111021	-3615647	SLV 3	0.41	972	1.136	Si
52	18726	11065	31678	SLV 3	0.42	1051	1.173	-2351311	-1110173	-3184498	SLV 3	0.28	366	0.761	No
77	17695	11065	31678	SLV 3	0.45	1287	1.275	-1850903	-883564	-2322913	SLV 3	0.2	175	0.563	No
90	17179	11065	31678	SLV 3	0.47	1417	1.326	-1610687	-770312	-2322809	SLV 3	0.34	588	0.925	No
116	16148	11065	28613	SLV 3	0.41	951	1.126	-1150233	-544017	-2035775	SLV 3	0.57	2474	1.666	Si
142	15117	11065	28613	SLV 3	0.44	1172	1.227	-716413	-318495	-1422107	SLV 3	0.57	2474	1.666	Si
168	14086	11065	28613	SLV 3	0.47	1424	1.329	509744	418214	2323557	SLV 1	0.57	2474	1.666	Si
194	13055	11065	28613	SLV 3	0.5	1710	1.432	830348	651203	2323557	SLV 3	0.57	2474	1.666	Si
220	12024	11065	28613	SLV 3	0.53	2030	1.537	1124316	877429	2323557	SLV 3	0.49	1585	1.388	Si
245	10993	11065	28261	SLV 3	0.56	2261	1.606	1391650	1103945	2842136	SLV 3	0.47	1427	1.33	Si
271	9962	11065	22929	SLV 3	0.42	1054	1.174	1632348	1330586	3161268	SLV 3	0.42	1001	1.15	Si
297	8931	11065	22929	SLV 3	0.46	1291	1.276	1777817	1481349	3161268	SLV 3	0.34	603	0.934	No
317	8227	11065	22929	SLV 3	0.48	1470	1.346	1777817	1481349	3161268	SLV 3	0.34	603	0.934	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	19890	3885	31678	SLD 3	0.41	946	2.827	-2353245	-491434	-3671293	SLD 3	0.36	700	2.499	Si
26	19757	3885	31678	SLD 3	0.41	972	2.859	-2353245	-491434	-3615647	SLD 3	0.35	631	2.395	Si
52	18726	3885	31678	SLD 3	0.45	1214	3.132	-2351311	-491059	-3184498	SLD 3	0.23	248	1.633	Si
77	17695	3885	31678	SLD 3	0.48	1487	3.403	-1850903	-390804	-2322913	SLD 3	0.17	121	1.217	Si
90	17179	3885	31678	SLD 3	0.5	1639	3.542	-1610687	-340698	-2322809	SLD 3	0.29	393	1.972	Si
116	16148	3885	28613	SLD 3	0.43	1096	3.003	-1150233	-240578	-2035775	SLD 3	0.49	1579	3.488	Si
142	15117	3885	28613	SLD 3	0.46	1354	3.275	-716413	-140790	-1422107	SLD 3	0.6	2474	4.193	Si
168	14086	3885	28613	SLD 3	0.5	1647	3.549	509744	185070	2323557	SLD 1	0.6	2474	4.193	Si
194	13055	3885	28613	SLD 3	0.53	1978	3.825	830348	288156	2323557	SLD 3	0.6	2474	4.193	Si
220	12024	3885	28613	SLD 3	0.56	2349	4.105	1124316	388244	2323557	SLD 3	0.41	989	2.879	Si
245	10993	3885	28261	SLD 3	0.58	2474	4.193	1391650	488458	2842136	SLD 3	0.4	897	2.766	Si
271	9962	3885	22929	SLD 3	0.45	1218	3.136	1632348	588727	3161268	SLD 3	0.35	648	2.421	Si
297	8931	3885	22929	SLD 3	0.48	1492	3.408	1777817	655426	3161268	SLD 3	0.29	400	1.986	Si
317	8227	3885	22929	SLD 3	0.5	1700	3.595	1777817	655426	3161268	SLD 3	0.29	400	1.986	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" 57A-(2361; 2638)

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 57A - 58, sezione R 45x70, asta 688

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-3121969	SLU 30	-2831447	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-2549023	SLU 30	-2549023	-3671293	0.114	Si
65	30.41	5.4	15.21	5.4						-1520552	SLU 30	-2205404	-3671293	0.114	Si
131	30.41	5.4	15.21	5.4	-78284	SLU 1	351266	1872209	0.086	-168121	SLU 30	-742187	-3671293	0.114	Si
196	11.4	5.4	15.21	5.4	936081	SLU 29	1344003	1873055	0.09						Si
261	11.4	5.4	15.21	5.4	1790619	SLU 29	2087754	1873055	0.09						No
294	11.4	5.4	22.57	5.4	2124517	SLU 29	2366260	2744838	0.105						Si
359	11.4	5.4	22.81	5.4	2605574	SLU 29	2736531	2773209	0.105						Si
425	11.4	5.4	22.81	5.4	2837645	SLU 29	2857815	2773209	0.105						No
490	11.4	5.4	22.81	5.4	2820729	SLU 29	2855952	2773209	0.105						No
555	11.4	5.4	22.81	5.4	2554826	SLU 29	2700836	2773209	0.105						Si
621	11.4	5.4	15.21	5.4	2039937	SLU 29	2296733	1873055	0.09						No
686	11.4	5.4	15.21	5.4	1277510	SLU 29	1643791	1873055	0.09						Si
751	11.4	5.4	15.21	5.4	268737	SLU 29	745286	1873055	0.09	91536	SLU 8	-271326	-1422107	0.084	Si
784	11.4	5.4	15.21	5.4	-237614	SLU 1	202922	1873055	0.09	-332527	SLU 36	-917870	-1422107	0.084	Si
849	11.4	5.4	15.21	5.4						-1712832	SLU 30	-2410990	-1422107	0.084	No
882	11.4	5.4	15.21	5.4						-2497370	SLU 30	-3250921	-1422107	0.084	No
915	16.75	5.4	15.21	5.4						-3344153	SLU 30	-4153098	-2055939	0.091	No
958	22.81	5.4	15.21	5.4						-4555469	SLU 30	-4555469	-2773116	0.1	No
980	22.81	5.4	15.21	5.4						-5224461	SLU 30	-4885918	-2773116	0.1	No

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-3884421	SLV 3	-3653051	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4	39701	SLV 13	413043	1872209	0.086	-3427098	SLV 3	-3427098	-3671293	0.114	Si
65	30.41	5.4	15.21	5.4	583662	SLV 13	906948	1872209	0.086	-2598166	SLV 3	-3151940	-3671293	0.114	Si
131	30.41	5.4	15.21	5.4	1268556	SLV 13	1517671	1872209	0.086	-1478620	SLV 3	-1958217	-3671293	0.114	Si
196	11.4	5.4	15.21	5.4	1786757	SLV 13	1961705	1873055	0.09	-525789	SLV 3	-931205	-1422107	0.084	No
261	11.4	5.4	15.21	5.4	2138273	SLV 13	2239059	1873055	0.09	260322	SLV 3	-70911	-1422107	0.084	No
294	11.4	5.4	22.57	5.4	2251529	SLV 13	2315239	2744838	0.105						Si
359	11.4	5.4	22.81	5.4	2353059	SLV 13	2353059	2773209	0.105						Si
425	11.4	5.4	22.81	5.4	2288043	SLV 15	2335485	2773209	0.105						Si
490	11.4	5.4	22.81	5.4	2057222	SLV 15	2178242	2773209	0.105						Si
555	11.4	5.4	22.81	5.4	1738378	SLV 3	1857881	2773209	0.105						Si
621	11.4	5.4	15.21	5.4	1605449	SLV 3	1682515	1873055	0.09						Si
686	11.4	5.4	15.21	5.4	1308809	SLV 3	1458818	1873055	0.09	359727	SLV 13	-20238	-1422107	0.084	Si
751	11.4	5.4	15.21	5.4	847601	SLV 3	1071349	1873055	0.09	-535924	SLV 13	-990095	-1422107	0.084	Si
784	11.4	5.4	15.21	5.4	554508	SLV 3	815331	1873055	0.09	-1046288	SLV 13	-1537555	-1422107	0.084	No
849	11.4	5.4	15.21	5.4	-156681	SLV 3	178303	1873055	0.09	-2192068	SLV 13	-2757519	-1422107	0.084	No
882	11.4	5.4	15.21	5.4						-2827479	SLV 13	-3430021	-1422107	0.084	No
915	16.75	5.4	15.21	5.4						-3504570	SLV 13	-4144201	-2055939	0.091	No
958	22.81	5.4	15.21	5.4						-4460009	SLV 13	-4460009	-2773116	0.1	No
980	22.81	5.4	15.21	5.4						-4983786	SLV 13	-4719192	-2773116	0.1	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-2876365	SLD 3	-2665856	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-2460767	SLD 3	-2460767	-3671293	0.114	Si
65	30.41	5.4	15.21	5.4	-303237	SLD 13	73956	1872209	0.086	-1711267	SLD 3	-2211132	-3671293	0.114	Si
131	30.41	5.4	15.21	5.4	502810	SLD 13	805830	1872209	0.086	-712874	SLD 3	-1138564	-3671293	0.114	Si
196	11.4	5.4	15.21	5.4	1142158	SLD 13	1371007	1873055	0.09	118810	SLD 3	-232703	-1422107	0.084	Si
261	11.4	5.4	15.21	5.4	1614811	SLD 13	1769492	1873055	0.09						Si
294	11.4	5.4	22.57	5.4	1788629	SLD 13	1906227	2744838	0.105						Si
359	11.4	5.4	22.81	5.4	2011258	SLD 13	2052904	2773209	0.105						Si
425	11.4	5.4	22.81	5.4	2067252	SLD 15	2067252	2773209	0.105						Si
490	11.4	5.4	22.81	5.4	1956939	SLD 15	2024466	2773209	0.105						Si
555	11.4	5.4	22.81	5.4	1714737	SLD 3	1822944	2773209	0.105						Si
621	11.4	5.4	15.21	5.4	1461903	SLD 3	1592675	1873055	0.09						Si
686	11.4	5.4	15.21	5.4	1044270	SLD 3	1248135	1873055	0.09						Si
751	11.4	5.4	15.21	5.4	461968	SLD 3	739602	1873055	0.09	-150290	SLD 13	-550569	-1422107	0.084	Si
784	11.4	5.4	15.21	5.4	108314	SLD 3	423030	1873055	0.09	-600093	SLD 13	-1037463	-1422107	0.084	Si
849	11.4	5.4	15.21	5.4						-1624737	SLD 13	-2136285	-1422107	0.084	No
882	11.4	5.4	15.21	5.4						-2199576	SLD 13	-2748213	-1422107	0.084	No
915	16.75	5.4	15.21	5.4						-2816092	SLD 13	-3401817	-2055939	0.091	No
958	22.81	5.4	15.21	5.4						-3692102	SLD 13	-3692102	-2773116	0.1	No
980	22.81	5.4	15.21	5.4						-4174156	SLD 13	-3930422	-2773116	0.1	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	26418	SLU 29	26418	15146	76908	0	15146	1	Si
23	0.23	30.41	0	25106	SLU 29	25106	15146	76908	26676	26676	1	Si
65	0.23	30.41	0	22607	SLU 29	22607	15146	76908	26676	26676	1	Si
131	0.221	11.4	0	18796	SLU 29	18796	10922	76908	25691	25691	1	Si
196	0.221	15.21	0	14985	SLU 29	14985	12021	76908	25691	25691	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
261	0.221	15.21	0	11174	SLU 29	11174	12021	76908	25691	25691	1	Si
294	0.221	15.21	0	9269	SLU 29	9269	12021	76908	25691	25691	1	Si
359	0.221	22.57	0	5458	SLU 29	5458	13712	76908	25691	25691	1	Si
425	0.221	22.81	0	1647	SLU 29	1647	13761	76908	25691	25691	1	Si
490	0.221	22.81	0	-2166	SLU 30	-2166	-13761	-76908	-25691	-25691	1	Si
555	0.221	15.21	0	-5977	SLU 30	-5977	-12021	-76908	-25691	-25691	1	Si
621	0.221	15.21	0	-9788	SLU 30	-9788	-12021	-76908	-25691	-25691	1	Si
686	0.221	15.21	0	-13535	SLU 30	-13535	-12021	-76908	-25691	-25691	1	Si
751	0.221	15.21	0	-17347	SLU 30	-17347	-12021	-76908	-25691	-25691	1	Si
784	0.221	11.4	0	-19253	SLU 30	-19253	-10922	-76908	-25691	-25691	1	Si
849	0.221	11.4	0	-23064	SLU 30	-23064	-10922	-76908	-25691	-25691	1	Si
915	0.259	11.4	0	-26875	SLU 30	-26875	-10922	-76908	-30011	-30011	1	Si
958	0.259	11.4	0	-29373	SLU 30	-29373	-10922	-76908	-30011	-30011	1	Si
980	0	16.75	0	-30686	SLU 30	-30686	-12415	-76908	0	-12415	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	20963	SLV 3	21828	15146	76908	0	15146	1	Si
23	0.23	30.41	0	20085	SLV 3	20950	15146	76908	26676	26676	1	Si
65	0.23	30.41	0	18412	SLV 3	19277	15146	76908	26676	26676	1	Si
131	0.221	11.4	0	15861	SLV 3	16725	10922	76908	25691	25691	1	Si
196	0.221	11.4	0	13309	SLV 3	14174	10922	76908	25691	25691	1	Si
261	0.221	15.21	0	10757	SLV 3	11622	12021	76908	25691	25691	1	Si
294	0.221	15.21	0	9482	SLV 3	10347	12021	76908	25691	25691	1	Si
359	0.221	22.57	0	6930	SLV 3	7795	13712	76908	25691	25691	1	Si
359	0.221	22.57	0	276	SLV 13	-589	-13712	-76908	-25691	-25691	1	Si
425	0.221	22.81	0	4378	SLV 3	5243	13761	76908	25691	25691	1	Si
425	0.221	22.81	0	-2275	SLV 13	-3140	-13761	-76908	-25691	-25691	1	Si
490	0.221	22.81	0	1827	SLV 3	2692	13761	76908	25691	25691	1	Si
490	0.221	22.81	0	-4827	SLV 13	-5692	-13761	-76908	-25691	-25691	1	Si
555	0.221	15.21	0	-725	SLV 3	140	12021	76908	25691	25691	1	Si
555	0.221	15.21	0	-7378	SLV 13	-8243	-12021	-76908	-25691	-25691	1	Si
621	0.221	15.21	0	-9930	SLV 13	-10795	-12021	-76908	-25691	-25691	1	Si
686	0.221	15.21	0	-12434	SLV 13	-13299	-12021	-76908	-25691	-25691	1	Si
751	0.221	11.4	0	-14987	SLV 13	-15852	-10922	-76908	-25691	-25691	1	Si
784	0.221	11.4	0	-16263	SLV 13	-17127	-10922	-76908	-25691	-25691	1	Si
849	0.221	11.4	0	-18814	SLV 13	-19679	-10922	-76908	-25691	-25691	1	Si
915	0.259	11.4	0	-21366	SLV 13	-22231	-10922	-76908	-30011	-30011	1	Si
958	0.259	11.4	0	-23039	SLV 13	-23904	-10922	-76908	-30011	-30011	1	Si
980	0	16.75	0	-23917	SLV 13	-24782	-12415	-76908	0	-12415	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	19109	SLD 3	19109	15146	76908	0	15146	1	Si
23	0.23	30.41	0	18230	SLD 3	18230	15146	76908	26676	26676	1	Si
65	0.23	30.41	0	16557	SLD 3	16557	15146	76908	26676	26676	1	Si
131	0.221	11.4	0	14006	SLD 3	14006	10922	76908	25691	25691	1	Si
196	0.221	15.21	0	11454	SLD 3	11454	12021	76908	25691	25691	1	Si
261	0.221	15.21	0	8903	SLD 3	8903	12021	76908	25691	25691	1	Si
294	0.221	15.21	0	7627	SLD 3	7627	12021	76908	25691	25691	1	Si
359	0.221	22.57	0	5075	SLD 3	5075	13712	76908	25691	25691	1	Si
425	0.221	22.81	0	2524	SLD 3	2524	13761	76908	25691	25691	1	Si
425	0.221	22.81	0	-421	SLD 13	-421	-13761	-76908	-25691	-25691	1	Si
490	0.221	22.81	0	-2972	SLD 13	-2972	-13761	-76908	-25691	-25691	1	Si
555	0.221	15.21	0	-5524	SLD 13	-5524	-12021	-76908	-25691	-25691	1	Si
621	0.221	15.21	0	-8075	SLD 13	-8075	-12021	-76908	-25691	-25691	1	Si
686	0.221	15.21	0	-10580	SLD 13	-10580	-12021	-76908	-25691	-25691	1	Si
751	0.221	11.4	0	-13132	SLD 13	-13132	-10922	-76908	-25691	-25691	1	Si
784	0.221	11.4	0	-14408	SLD 13	-14408	-10922	-76908	-25691	-25691	1	Si
849	0.221	11.4	0	-16959	SLD 13	-16959	-10922	-76908	-25691	-25691	1	Si
915	0.259	11.4	0	-19511	SLD 13	-19511	-10922	-76908	-30011	-30011	1	Si
958	0.259	11.4	0	-21184	SLD 13	-21184	-10922	-76908	-30011	-30011	1	Si
980	0	16.75	0	-22063	SLD 13	-22063	-12415	-76908	0	-12415	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-2268410	3	-2057007	49.1	124.5	1185.8	1837	-2076175	2	-1882226	44.9	93.4	0	+∞	Si
23	-1851504	3	-1851504	44.2	124.5	1067.3	1837	-1693698	2	-1693698	40.4	93.4	0	+∞	Si
65	-1103181	3	-1601473	38.2	124.5	923.2	1837	-1007252	2	-1464324	34.9	93.4	0	+∞	Si
131	-119325	3	-536915	12.8	124.5	309.5	1837	-105032	2	-487930	11.6	93.4	0	+∞	Si
196	683665	2	980227	30.5	124.5	1102.3	1837	630484	2	902121	28.1	93.4	0	+∞	Si
261	1304829	2	1520690	47.4	124.5	1710	1837	1199297	2	1396759	43.5	93.4	0	+∞	Si
294	1547397	2	1722907	47.1	124.5	1326.8	1837	1421190	2	1581565	43.3	93.4	0	+∞	Si
359	1896503	2	1991311	54.3	124.5	1518	1837	1739949	2	1826149	49.8	93.4	0	+∞	Si
425	2064236	2	2078343	56.7	124.5	1584.4	1837	1892003	2	1904029	51.9	93.4	0	+∞	Si
490	2050597	2	2076841	56.6	124.5	1583.2	1837	1877355	2	1902417	51.9	93.4	0	+∞	Si
555	1855585	2	1962530	53.5	124.5	1496.1	1837	1696004	2	1795239	49	93.4	0	+∞	Si
621	1479200	2	1666848	51.9	124.5	1874.4	1837	1347949	2	1521359	47.4	93.4	0	+∞	Si
686	922543	2	1189904	37.1	124.5	1338.1	1837	834268	2	1080885	33.7	93.4	0	+∞	Si
751	186512	2	534184	16.6	124.5	600.7	1837	155839	2	476249	14.8	93.4	0	+∞	Si
784	-251855	9	-678899	22.3	124.5	1005.3	1837	-245890	2	-640474	21	93.4	0	+∞	Si
849	-1258646	3	-1767744	58	124.5	2617.6	1837	-1174374	2	-1643133	53.9	93.4	0	+∞	Si
882	-1830732	3	-2380181	78.1	124.5	3524.5	1837	-1701130	2	-2206977	72.4	93.4	0	+∞	Si
915	-2448161	3	-3037961	87.3	124.5	3101.1	1837	-2269562	2	-2812496	80.8	93.4	0	+∞	Si
958	-3331317	3	-3331317	86.6	124.5	2527.8	1837	-3082521	2	-3082521	80.2	93.4	0	+∞	Si
980	-3819049	3	-3572235	92.9	124.5	2710.6	1837	-3531453	2	-3304277	85.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.021	0.017	0.029	0.018	0.02	0.017	0.026	0.018	0.019	0.017	0.056	2	0.044	2	9999	Si
65	0.066	0.052	0.092	0.056	0.062	0.052	0.081	0.057	0.061	0.052	0.178	2	0.141	2	5512	Si
131	0.145	0.114	0.197	0.121	0.136	0.114	0.173	0.122	0.133	0.115	0.38	2	0.302	2	2578	Si
196	0.225	0.177	0.303	0.187	0.211	0.177	0.267	0.188	0.206	0.177	0.585	2	0.464	2	1676	Si
261	0.297	0.233	0.402	0.248	0.278	0.234	0.354	0.249	0.272	0.234	0.774	2	0.614	2	1266	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
294	0.327	0.257	0.446	0.275	0.306	0.258	0.392	0.276	0.299	0.258	0.855	2	0.68	2	1146	Si
359	0.374	0.293	0.516	0.317	0.35	0.294	0.453	0.319	0.342	0.294	0.98	2	0.782	2	1000	Si
425	0.399	0.312	0.553	0.339	0.373	0.313	0.486	0.341	0.365	0.313	1.046	2	0.835	2	937	Si
457	0.403	0.314	0.558	0.341	0.376	0.315	0.49	0.343	0.368	0.316	1.054	2	0.841	2	930	Si
490	0.4	0.312	0.553	0.337	0.374	0.313	0.485	0.339	0.365	0.313	1.045	2	0.833	2	938	Si
555	0.377	0.293	0.514	0.312	0.352	0.294	0.45	0.314	0.344	0.295	0.978	2	0.776	2	1002	Si
621	0.333	0.258	0.444	0.268	0.311	0.259	0.388	0.27	0.303	0.259	0.854	2	0.673	2	1148	Si
686	0.271	0.209	0.353	0.212	0.253	0.21	0.308	0.213	0.247	0.21	0.681	2	0.533	2	1439	Si
751	0.199	0.152	0.251	0.148	0.185	0.152	0.218	0.149	0.18	0.153	0.484	2	0.376	2	2024	Si
784	0.161	0.122	0.198	0.115	0.149	0.123	0.172	0.117	0.146	0.123	0.383	2	0.295	2	2556	Si
849	0.088	0.066	0.097	0.053	0.082	0.066	0.083	0.054	0.08	0.066	0.19	2	0.141	2	5159	Si
915	0.03	0.021	0.018	0.005	0.028	0.022	0.014	0.006	0.027	0.022	0.046	2	0.029	2	9999	Si
958	0.007	0.005	-0.003	-0.005	0.007	0.005	-0.003	-0.004	0.006	0.005	0.003	2	-0.001	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	16758	4192	26676	SLV 3	0.57	2474	1.666	-1693698	-1733399	-3671293	SLV 3	0.41	982	1.141	Si
65	15085	4192	26676	SLV 3	0.57	2474	1.666	-1464324	-1687615	-3671293	SLV 3	0.47	1409	1.323	Si
131	12534	4192	25691	SLV 3	0.57	2474	1.666	240779	1276892	1872209	SLV 13	0.46	1325	1.29	Si
196	9982	4192	25691	SLV 3	0.57	2474	1.666	902121	1059584	1873055	SLV 13	0.33	576	0.917	No
261	7431	4192	25691	SLV 3	0.57	2474	1.666	1396759	842300	1873055	SLV 13	0.21	197	0.59	No
294	6155	4192	25691	SLV 3	0.57	2474	1.666	1581565	733674	2744838	SLV 13	0.56	2358	1.634	Si
359	3603	4192	25691	SLV 3	0.57	2474	1.666	1739949	613110	2773209	SLV 13	0.57	2474	1.666	Si
425	1052	4192	25691	SLV 3	0.57	2474	1.666	1842890	492595	2773209	SLV 15	0.57	2474	1.666	Si
490	-1500	-4192	-25691	SLV 13	0.57	2474	1.666	1902417	275826	2773209	SLV 15	0.57	2474	1.666	Si
555	-4052	-4192	-25691	SLV 13	0.57	2474	1.666	1559681	137470	2773209	SLV 3	0.57	2474	1.666	Si
621	-6603	-4192	-25691	SLV 13	0.57	2474	1.666	1137442	354037	1873055	SLV 3	0.57	2474	1.666	Si
686	-9107	-4192	-25691	SLV 13	0.57	2474	1.666	1080885	377933	1873055	SLV 3	0.57	2474	1.666	Si
751	-11660	-4192	-25691	SLV 13	0.57	2474	1.666	-201659	-788437	-1422107	SLV 13	0.55	2212	1.592	Si
784	-12936	-4192	-25691	SLV 13	0.57	2474	1.666	-640474	-897080	-1422107	SLV 13	0.32	510	0.872	No
849	-15487	-4192	-25691	SLV 13	0.57	2474	1.666	-1643133	1031658	-1422107	SLV 1	0	0	0	No
915	-18039	-4192	-30011	SLV 13	0.57	2474	1.666	-2812496	1234085	-2055939	SLV 1	0	0	0	No
958	-19712	-4192	-30011	SLV 13	0.57	2474	1.666	-3082521	1276729	-2773116	SLV 1	0	0	0	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	16758	1472	26676	SLD 3	0.6	2474	4.193	-1693698	-767068	-3671293	SLD 3	0.35	636	2.402	Si
65	15085	1472	26676	SLD 3	0.6	2474	4.193	-1464324	-746808	-3671293	SLD 3	0.4	886	2.752	Si
131	12534	1472	25691	SLD 3	0.6	2474	4.193	240779	565052	1872209	SLD 13	0.39	838	2.69	Si
196	9982	1472	25691	SLD 3	0.6	2474	4.193	902121	468887	1873055	SLD 13	0.28	385	1.956	Si
261	7431	1472	25691	SLD 3	0.6	2474	4.193	1396759	372732	1873055	SLD 13	0.18	135	1.273	Si
294	6155	1472	25691	SLD 3	0.6	2474	4.193	1581565	324662	2744838	SLD 13	0.48	1470	3.387	Si
359	3603	1472	25691	SLD 3	0.6	2474	4.193	1616661	314078	2773209	SLD 13	0.49	1580	3.489	Si
425	1052	1472	25691	SLD 3	0.6	2474	4.193	1892003	175249	2773209	SLD 15	0.6	2474	4.193	Si
490	-1500	-1472	-25691	SLD 13	0.6	2474	4.193	1902417	122050	2773209	SLD 15	0.6	2474	4.193	Si
555	-4052	-1472	-25691	SLD 13	0.6	2474	4.193	1559681	60832	2773209	SLD 3	0.6	2474	4.193	Si
621	-6603	-1472	-25691	SLD 13	0.6	2474	4.193	1137442	156675	1873055	SLD 3	0.6	2474	4.193	Si
686	-9107	-1472	-25691	SLD 13	0.6	2474	4.193	1080885	167250	1873055	SLD 3	0.6	2474	4.193	Si
751	-11660	-1472	-25691	SLD 13	0.6	2474	4.193	-201659	-348910	-1422107	SLD 13	0.47	1378	3.299	Si
784	-12936	-1472	-25691	SLD 13	0.6	2474	4.193	-640474	-396988	-1422107	SLD 13	0.27	344	1.867	Si
849	-15487	-1472	-25691	SLD 13	0.6	2474	4.193	-1643133	456543	-1422107	SLD 1	0	0	0	No
915	-18039	-1472	-30011	SLD 13	0.6	2474	4.193	-2812496	546123	-2055939	SLD 1	0	0	0	No
958	-19712	-1472	-30011	SLD 13	0.6	2474	4.193	-3082521	564994	-2773116	SLD 1	0	0	0	No

Campata 2 tra i fili 58 - 59, sezione R 45x70, asta 689

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4						-3801496	SLU 30	-3486219	-2773116	0.1	No
23	22.81	5.4	15.21	5.4						-3184776	SLU 30	-3184776	-2773116	0.1	No
26	22.34	5.4	15.21	5.4						-3094852	SLU 30	-3184776	-2717318	0.099	No
52	18.68	5.4	18.07	5.4						-2427136	SLU 30	-3182168	-2284654	0.092	No
77	11.4	5.4	18.52	5.4						-1798349	SLU 30	-2509575	-1422107	0.084	No
90	11.4	5.4	19.01	5.4						-1498554	SLU 30	-2187877	-1422107	0.084	No
116	11.4	5.4	19.01	5.4						-928925	SLU 29	-1573677	-1422107	0.084	No
142	11.4	5.4	19.01	5.4	-232739	SLU 8	169421	2323557	0.097	-399522	SLU 29	-998912	-1422107	0.084	Si
168	11.4	5.4	19.01	5.4	112754	SLU 36	608066	2323557	0.097	62478	SLU 1	-464632	-1422107	0.084	Si
194	11.4	5.4	19.01	5.4	555953	SLU 36	1012431	2323557	0.097						Si
220	11.4	5.4	19.01	5.4	964134	SLU 30	1383306	2323557	0.097						Si
245	11.4	5.4	28.41	6.1	1339886	SLU 30	1715253	3395258	0.125						Si
271	11.4	5.4	34.21	6.3	1676710	SLU 30	2008270	4033365	0.169						Si
297	11.4	5.4	34.21	6.3	1974605	SLU 30	2181794	4033365	0.169						Si
317	11.4	5.4	34.21	6.3	2181794	SLU 30	2181794	4033365	0.169						Si
336	11.4	5.4	34.21	6.3	2356945	SLU 30	2337152	4033365	0.169						Si
362	11.4	5.4	34.21	6.3	2596909	SLU 30	2476597	4033365	0.169						Si
387	11.4	5.4	34.21	6.3	2831118	SLU 36	2523078	4033365	0.169						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4						-3983369	SLV 1	-3658809	-2773116	0.1	No
23	22.81	5.4	15.21	5.4						-3342946	SLV 1	-3342946	-2773116	0.1	No
26	22.34	5.4	15.21	5.4						-3249044	SLV 1	-3342946	-2717318	0.099	No
52	18.68	5.4	18.07	5.4						-2541159	SLV 1	-3340223	-2284654	0.092	No
77	11.4	5.4	18.52	5.4						-1860124	SLV 1	-2629018	-1422107	0.084	No
90	11.4	5.4	19.01	5.4						-1529968	SLV 1	-2283421	-1422107	0.084	No
116	11.4	5.4	19.01	5.4						-892046	SLV 1	-1612698	-1422107	0.084	No
142	11.4	5.4	19.01	5.4	-221003	SLV 3	410937	2323557	0.097	-334211	SLV 13	-970984	-1422107	0.084	Si
168	11.4	5.4	19.01	5.4	339774	SLV 3	970234	2323557	0.097	-206378	SLV 13	-366907	-1422107	0.084	Si
194	11.4	5.4	19.01	5.4	902039	SLV 3	1505078	2323557	0.097	-132163	SLV 13	-218799	-1422107	0.084	Si
220	11.4	5.4	19.01	5.4	1440053	SLV 3	2014438	2323557	0.097	-85822	SLV 13	-140546	-1422107	0.084	Si
245	11.4	5.4	28.41	6.1	1952634	SLV 3	2498015	3395258	0.125	-66177	SLV 13	-90783	-1460797	0.088	Si
271	11.4	5.4	34.21	6.3	2439453	SLV 3	2955686	4033365	0.169	-72896	SLV 13	-112434	-1484422	0.09	Si
297	11.4	5.4	34.21	6.3	2900376	SLV 3	3245810	4033365	0.169	-105847	SLV 13	-150885	-1484422	0.09	Si
317	11.4	5.4	34.21	6.3	3245810	SLV 3	3245810	4033365	0.169	-150885	SLV 13	-150885	-1484422	0.09	Si
336	11.4	5.4	34.21	6.3	3548573	SLV 1	3433982	4033365	0.169	-198819	SLV 15	-85445	-1484422	0.09	Si
362	11.4	5.4	34.21	6.3	3970068	SLV 1	3733408	4033365	0.169	-271587	SLV 15	-143488	-1484422	0.09	Si
387	11.4	5.4	34.21	6.3	4386347	SLV 1	3810288	4033365	0.169	-349649	SLV 15	-207987	-1484422	0.09	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4						-3232654	SLD 1	-2967833	-2773116	0.1	No
23	22.81	5.4	15.21	5.4						-2712027	SLD 1	-2712027	-2773116	0.1	Si
26	22.34	5.4	15.21	5.4						-2635866	SLD 1	-2712027	-2717318	0.099	Si
52	18.68	5.4	18.07	5.4						-2065308	SLD 1	-2709818	-2284654	0.092	No
77	11.4	5.4	18.52	5.4						-1521157	SLD 1	-2135970	-1422107	0.084	No
90	11.4	5.4	19.01	5.4						-1259114	SLD 1	-1858921	-1422107	0.084	No
116	11.4	5.4	19.01	5.4						-755815	SLD 1	-1324777	-1422107	0.084	Si
142	11.4	5.4	19.01	5.4	-252804	SLD 7	241717	2323557	0.097	-302409	SLD 9	-817983	-1422107	0.084	Si
168	11.4	5.4	19.01	5.4	187542	SLD 3	664808	2323557	0.097	-54146	SLD 13	-342488	-1422107	0.084	Si
194	11.4	5.4	19.01	5.4	613769	SLD 3	1062532	2323557	0.097	156107	SLD 13	-83228	-1422107	0.084	Si
220	11.4	5.4	19.01	5.4	1014717	SLD 3	1434445	2323557	0.097						Si
245	11.4	5.4	28.41	6.1	1389877	SLD 3	1780417	3395258	0.125						Si
271	11.4	5.4	34.21	6.3	1739104	SLD 3	2100394	4033365	0.169						Si
297	11.4	5.4	34.21	6.3	2062340	SLD 3	2298915	4033365	0.169						Si
317	11.4	5.4	34.21	6.3	2298915	SLD 3	2298915	4033365	0.169						Si
336	11.4	5.4	34.21	6.3	2503907	SLD 1	2453198	4033365	0.169						Si
362	11.4	5.4	34.21	6.3	2787607	SLD 1	2634117	4033365	0.169						Si
387	11.4	5.4	34.21	6.3	3066068	SLD 1	2686968	4033365	0.169						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.86	0	28107	SLU 30	28107	12441	76908	0	12441	1	Si
13	0	11.4	0	27354	SLU 30	27354	10922	76908	0	10922	1	Si
23	0.273	11.4	0	26795	SLU 30	26795	10922	76908	31678	31678	1	Si
26	0.273	11.4	0	26601	SLU 30	26601	10922	76908	31678	31678	1	Si
52	0.273	11.4	0	25094	SLU 30	25094	10922	76908	31678	31678	1	Si
77	0.273	11.4	0	23587	SLU 30	23587	10922	76908	31678	31678	1	Si
90	0.273	11.4	0	22833	SLU 30	22833	10922	76908	31678	31678	1	Si
116	0.24	11.4	0	21326	SLU 30	21326	10922	76908	27860	27860	1	Si
142	0.24	11.4	0	19819	SLU 30	19819	10922	76908	27860	27860	1	Si
168	0.24	19.01	0	18313	SLU 30	18313	12949	76908	27860	27860	1	Si
194	0.24	19.01	0	16806	SLU 30	16806	12949	76908	27860	27860	1	Si
220	0.24	19.01	0	15299	SLU 30	15299	12949	76908	27860	27860	1	Si
245	0.24	19.01	0	13792	SLU 30	13792	12884	76120	27574	27574	1	Si
271	0.187	19.01	0	12285	SLU 30	12285	12862	75850	21376	21376	1	Si
297	0.187	19.01	0	10824	SLU 36	10824	12862	75850	21376	21376	1	Si
317	0.187	31.89	0	9863	SLU 36	9863	15284	75850	21376	21376	1	Si
336	0	34.21	0	9545	SLU 36	9545	15646	75850	0	15646	1	Si
362	0	34.21	0	9280	SLU 36	9280	15646	75850	0	15646	1	Si
387	0	34.21	0	9016	SLU 36	9016	15646	75850	0	15646	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.86	0	28955	SLV 1	31445	12441	76908	0	12441	1	Si
13	0	11.4	0	28451	SLV 1	30940	10922	76908	0	10922	1	Si
23	0.273	11.4	0	28077	SLV 1	30566	10922	76908	31678	31678	1	Si
26	0.273	11.4	0	27947	SLV 1	30436	10922	76908	31678	31678	1	Si
52	0.273	11.4	0	26938	SLV 1	29427	10922	76908	31678	31678	1	Si
77	0.273	11.4	0	25929	SLV 1	28418	10922	76908	31678	31678	1	Si
90	0.273	11.4	0	25424	SLV 1	27913	10922	76908	31678	31678	1	Si
116	0.24	11.4	0	24415	SLV 1	26905	10922	76908	27860	27860	1	Si
142	0.24	11.4	0	23406	SLV 1	25896	10922	76908	27860	27860	1	Si
168	0.24	19.01	0	22397	SLV 1	24887	12949	76908	27860	27860	1	Si
194	0.24	19.01	0	21389	SLV 1	23878	12949	76908	27860	27860	1	Si
194	0.24	11.4	0	2241	SLV 15	-249	-10922	-76908	-27860	-27860	1	Si
220	0.24	19.01	0	20380	SLV 1	22869	12949	76908	27860	27860	1	Si
220	0.24	11.4	0	1232	SLV 15	-1258	-10922	-76908	-27860	-27860	1	Si
245	0.24	19.01	0	19371	SLV 1	21860	12884	76120	27574	27574	1	Si
245	0.24	19.01	0	223	SLV 15	-2267	-12884	-76120	-27574	-27574	1	Si
271	0.187	19.01	0	18362	SLV 1	20851	12862	75850	21376	21376	1	Si
271	0.187	19.01	0	-786	SLV 15	-3275	-12862	-75850	-21376	-21376	1	Si
297	0.187	19.01	0	17353	SLV 1	19842	12862	75850	21376	21376	1	Si
297	0.187	11.4	0	-1795	SLV 15	-4284	-10922	-76908	-21675	-21675	1	Si
317	0.187	31.89	0	16662	SLV 1	19151	15284	75850	21376	21376	1	Si
317	0.187	11.4	0	-2486	SLV 15	-4975	-10922	-76908	-21675	-21675	1	Si
336	0	34.21	0	16425	SLV 1	18915	15646	75850	0	15646	1	Si
336	0	11.4	0	-2723	SLV 15	-5212	-10922	-76908	0	-10922	1	Si
362	0	34.21	0	16222	SLV 1	18711	15646	75850	0	15646	1	Si
362	0	11.4	0	-2926	SLV 15	-5415	-10922	-76908	0	-10922	1	Si
387	0	34.21	0	16018	SLV 1	18508	15646	75850	0	15646	1	Si
387	0	11.4	0	-3130	SLV 15	-5619	-10922	-76908	0	-10922	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.86	0	23617	SLD 1	23617	12441	76908	0	12441	1	Si
13	0	11.4	0	23113	SLD 1	23113	10922	76908	0	10922	1	Si
23	0.273	11.4	0	22738	SLD 1	22738	10922	76908	31678	31678	1	Si
26	0.273	11.4	0	22608	SLD 1	22608	10922	76908	31678	31678	1	Si
52	0.273	11.4	0	21599	SLD 1	21599	10922	76908	31678	31678	1	Si
77	0.273	11.4	0	20590	SLD 1	20590	10922	76908	31678	31678	1	Si
90	0.273	11.4	0	20086	SLD 1	20086	10922	76908	31678	31678	1	Si
116	0.24	11.4	0	19077	SLD 1	19077	10922	76908	27860	27860	1	Si
142	0.24	11.4	0	18068	SLD 1	18068	10922	76908	27860	27860	1	Si
168	0.24	19.01	0	17059	SLD 1	17059	12949	76908	27860	27860	1	Si
194	0.24	19.01	0	16050	SLD 1	16050	12949	76908	27860	27860	1	Si
220	0.24	19.01	0	15041	SLD 1	15041	12949	76908	27860	27860	1	Si
245	0.24	19.01	0	14032	SLD 1	14032	12884	76120	27574	27574	1	Si
271	0.187	19.01	0	13023	SLD 1	13023	12862	75850	21376	21376	1	Si
297	0.187	19.01	0	12015	SLD 1	12015	12862	75850	21376	21376	1	Si
317	0.187	31.89	0	11323	SLD 1	11323	15284	75850	21376	21376	1	Si
336	0	34.21	0	11087	SLD 1	11087	15646	75850	0	15646	1	Si
362	0	34.21	0	10884	SLD 1	10884	15646	75850	0	15646	1	Si
387	0	34.21	0	10680	SLD 1	10680	15646	75850	0	15646	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-2805165	3	-2573078	66.9	124.5	1952.4	1837	-2637169	2	-2419752	62.9	93.4	0	+∞	Si
23	-2351067	3	-2351067	61.1	124.5	1784	1837	-2211597	2	-2211597	57.5	93.4	0	+∞	Si
26	-2284843	3	-2351067	61.5	124.5	1820	1837	-2149514	2	-2211597	57.9	93.4	0	+∞	Si
52	-1792878	3	-2349146	62.9	124.5	2153.1	1837	-1687924	2	-2209796	59.2	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
77	-1329270	3	-1853628	58.5	124.5	2740.2	1837	-1252396	2	-1744940	55	93.4	0	+∞	Si
90	-1108100	3	-1616503	50.7	124.5	2389.1	1837	-1044407	2	-1522286	47.7	93.4	0	+∞	Si
116	-687538	2	-1163521	36.5	124.5	1719.6	1837	-647975	2	-1096525	34.4	93.4	0	+∞	Si
142	-296199	2	-739234	23.2	124.5	1092.6	1837	-277607	2	-696828	21.9	93.4	0	+∞	Si
168	81318	9	449104	13	124.5	407.6	1837	66698	2	422362	12.2	93.4	0	+∞	Si
194	410379	9	749569	21.7	124.5	680.3	1837	384938	2	711273	20.6	93.4	0	+∞	Si
220	713689	3	1025303	29.6	124.5	930.6	1837	677115	2	974121	28.2	93.4	0	+∞	Si
245	992975	3	1272679	33	124.5	808.1	1837	943229	2	1210905	31.4	93.4	0	+∞	Si
271	1243904	3	1491698	36.8	124.5	802.3	1837	1183279	2	1421626	35.1	93.4	0	+∞	Si
297	1466476	3	1621802	40	124.5	872.3	1837	1397265	2	1547462	38.2	93.4	0	+∞	Si
317	1621802	3	1621802	40	124.5	872.3	1837	1547462	2	1547462	38.2	93.4	0	+∞	Si
336	1753274	3	1738385	42.9	124.5	935	1837	1674877	2	1660389	41	93.4	0	+∞	Si
362	1933304	3	1843027	45.5	124.5	991.3	1837	1849241	2	1761748	43.5	93.4	0	+∞	Si
387	2108797	9	1877907	46.3	124.5	1010	1837	2018349	2	1795535	44.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.005	-0.006	-0.007	-0.011	-0.005	-0.005	-0.007	-0.01	-0.005	-0.005	-0.017	1	-0.019	1	9999	Si
26	-0.005	-0.006	-0.008	-0.012	-0.005	-0.006	-0.008	-0.01	-0.005	-0.006	-0.019	1	-0.021	1	9999	Si
52	-0.007	-0.009	-0.011	-0.016	-0.007	-0.008	-0.011	-0.014	-0.007	-0.008	-0.026	1	-0.031	1	9999	Si
77	-0.006	-0.008	-0.01	-0.015	-0.006	-0.007	-0.01	-0.013	-0.006	-0.007	-0.025	1	-0.03	1	9999	Si
90	-0.005	-0.006	-0.008	-0.014	-0.005	-0.006	-0.009	-0.012	-0.005	-0.006	-0.022	1	-0.027	1	9999	Si
116	-0.001	-0.002	-0.005	-0.009	-0.001	-0.002	-0.005	-0.008	-0.001	-0.002	-0.014	1	-0.017	1	9999	Si
142	0.004	0.003	0	-0.003	0.003	0.003	-0.001	-0.003	0.003	0.003	-0.003	1	-0.005	1	9999	Si
168	0.009	0.008	0.005	0.003	0.009	0.008	0.004	0.003	0.008	0.008	0.009	2	0.008	2	9999	Si
194	0.015	0.013	0.01	0.009	0.014	0.013	0.009	0.009	0.014	0.013	0.021	2	0.02	2	9999	Si
220	0.019	0.017	0.015	0.013	0.018	0.017	0.014	0.013	0.018	0.017	0.032	2	0.03	2	9999	Si
245	0.023	0.02	0.019	0.017	0.022	0.02	0.018	0.017	0.021	0.02	0.041	2	0.038	2	9472	Si
271	0.024	0.021	0.022	0.019	0.023	0.021	0.02	0.019	0.023	0.021	0.046	2	0.043	2	8344	Si
284	0.024	0.021	0.022	0.019	0.023	0.021	0.021	0.019	0.023	0.021	0.048	2	0.044	2	8121	Si
297	0.023	0.021	0.022	0.019	0.022	0.021	0.021	0.019	0.022	0.021	0.048	2	0.044	2	8121	Si
317	0.021	0.018	0.021	0.018	0.02	0.018	0.02	0.018	0.019	0.018	0.045	2	0.041	2	8668	Si
336	0.017	0.015	0.018	0.015	0.016	0.015	0.017	0.015	0.016	0.015	0.038	2	0.036	2	9999	Si
362	0.009	0.008	0.011	0.01	0.008	0.008	0.011	0.01	0.008	0.008	0.023	2	0.022	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	18503	12063	31678	SLV 1	0.4	882	1.092	-2211597	-1131349	-2773116	SLV 1	0.19	150	0.528	No
26	18372	12063	31678	SLV 1	0.4	904	1.103	-2211597	-1131349	-2717318	SLV 1	0.17	121	0.484	No
52	17364	12063	31678	SLV 1	0.43	1090	1.191	-2209796	-1130426	-2284654	SLV 1	0.02	2	0.09	No
77	16355	12063	31678	SLV 1	0.46	1305	1.282	-1744940	-884078	-1422107	SLV 1	0	0	0	No
90	15850	12063	31678	SLV 1	0.47	1422	1.328	-1522286	-761135	-1422107	SLV 1	0	0	0	No
116	14841	12063	27860	SLV 1	0.39	857	1.079	-1096525	-516173	-1422107	SLV 1	0.23	250	0.651	No
142	13832	12063	27860	SLV 1	0.42	1033	1.165	-696828	-274157	-1422107	SLV 1	0.57	2474	1.666	Si
168	12823	12063	27860	SLV 1	0.45	1241	1.256	422362	-547873	-1422107	SLV 13	0.57	2474	1.666	Si
194	11815	12063	27860	SLV 1	0.48	1474	1.348	711273	793805	2323557	SLV 3	0.57	2474	1.666	Si
220	10806	12063	27860	SLV 1	0.51	1735	1.441	974121	1040316	2323557	SLV 3	0.47	1379	1.311	Si
245	9797	12063	27574	SLV 1	0.53	1939	1.508	1210905	1287109	3395258	SLV 3	0.57	2474	1.666	Si
271	8788	12063	21376	SLV 1	0.38	789	1.043	1421626	1534060	4033365	SLV 3	0.57	2474	1.666	Si
297	7779	12063	21376	SLV 1	0.41	953	1.127	1547462	1698347	4033365	SLV 3	0.52	1904	1.497	Si
317	7088	12063	21376	SLV 1	0.43	1084	1.188	1547462	1698347	4033365	SLV 3	0.52	1904	1.497	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	18503	4236	31678	SLD 1	0.42	1008	2.902	-2211597	-500430	-2773116	SLD 1	0.16	104	1.143	Si
26	18372	4236	31678	SLD 1	0.42	1035	2.933	-2211597	-500430	-2717318	SLD 1	0.14	85	1.053	Si
52	17364	4236	31678	SLD 1	0.45	1258	3.178	-2209796	-500022	-2284654	SLD 1	0.01	1	0.17	No
77	16355	4236	31678	SLD 1	0.48	1508	3.423	-1744940	-391030	-1422107	SLD 1	0	0	0	No
90	15850	4236	31678	SLD 1	0.5	1645	3.547	-1522286	-336636	-1422107	SLD 1	0	0	0	No
116	14841	4236	27860	SLD 1	0.41	975	2.862	-1096525	-228252	-1422107	SLD 1	0.2	171	1.402	Si
142	13832	4236	27860	SLD 1	0.44	1192	3.108	-696828	-121155	-1422107	SLD 1	0.6	2474	4.193	Si
168	12823	4236	27860	SLD 1	0.47	1434	3.353	422362	-242446	-1422107	SLD 13	0.6	2474	4.193	Si
194	11815	4236	27860	SLD 1	0.5	1705	3.599	711273	351259	2323557	SLD 3	0.6	2474	4.193	Si
220	10806	4236	27860	SLD 1	0.53	2007	3.848	974121	460324	2323557	SLD 3	0.39	869	2.73	Si
245	9797	4236	27574	SLD 1	0.55	2243	4.028	1210905	569512	3395258	SLD 3	0.51	1763	3.649	Si
271	8788	4236	21376	SLD 1	0.4	899	2.769	1421626	678768	4033365	SLD 3	0.51	1778	3.662	Si
297	7779	4236	21376	SLD 1	0.43	1097	3.004	1547462	751452	4033365	SLD 3	0.44	1189	3.105	Si
317	7088	4236	21376	SLD 1	0.45	1252	3.171	1547462	751452	4033365	SLD 3	0.44	1189	3.105	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" 60A-49A

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 60A - 57A, sezione R 45x70, asta 673

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	11.4	5.4						-1318207	SLU 30	-1193758	-3221991	0.114	Si
19	26.61	5.4	11.4	5.4						-1107956	SLU 30	-1105318	-3221991	0.114	Si
23	26.61	5.4	11.4	5.4						-1071794	SLU 30	-1071794	-3221991	0.114	Si
38	26.61	5.4	11.4	5.4						-901463	SLU 30	-1071794	-3221991	0.114	Si
57	26.61	5.4	11.4	5.4						-698728	SLU 30	-1007815	-3221991	0.114	Si
77	26.61	5.4	11.4	5.4						-499751	SLU 30	-803136	-3221991	0.114	Si
86	26.33	5.4	11.4	5.4						-401672	SLU 30	-702206	-3189410	0.113	Si
105	21.82	5.4	11.4	5.4	-116568	SLU 1	77913	1422107	0.084	-208333	SLU 30	-503164	-2656188	0.103	Si
125	17.3	5.4	11.4	5.4	-6010	SLU 1	261695	1422107	0.084	-18752	SLU 30	-307881	-2121678	0.094	Si
144	7.6	5.4	11.4	5.4	167106	SLU 29	441816	1422093	0.084	101418	SLU 8	-116356	-970824	0.078	Si
163	7.6	5.4	11.4	5.4	349136	SLU 30	618179	1422093	0.084						Si
182	7.6	5.4	11.4	5.4	527443	SLU 30	790784	1422093	0.084						Si
201	7.6	5.4	11.4	5.4	701991	SLU 30	959630	1422093	0.084						Si
211	7.6	5.4	11.4	5.4	787856	SLU 30	1042644	1422093	0.084						Si
230	7.6	5.4	11.4	5.4	956768	SLU 30	1205853	1422093	0.084						Si
249	7.6	5.4	11.4	5.4	1121921	SLU 30	1255343	1422093	0.084						Si
265	7.6	5.4	11.4	5.4	1255343	SLU 30	1255343	1422093	0.084						Si
268	7.6	5.4	11.4	5.4	1283315	SLU 30	1281193	1422093	0.084						Si
287	7.6	5.4	11.4	5.4	1440952	SLU 30	1349390	1422093	0.084						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	11.4	5.4	1277196	SLV 7	1225976	1422107	0.084	-3080497	SLV 9	-2857388	-3221991	0.114	Si
19	26.61	5.4	11.4	5.4	1188473	SLV 7	1187297	1422107	0.084	-2701642	SLV 9	-2696838	-3221991	0.114	Si
23	26.61	5.4	11.4	5.4	1172635	SLV 7	1172635	1422107	0.084	-2635981	SLV 9	-2635981	-3221991	0.114	Si
38	26.61	5.4	11.4	5.4	1096917	SLV 7	1172635	1422107	0.084	-2325735	SLV 9	-2635981	-3221991	0.114	Si
57	26.61	5.4	11.4	5.4	1002562	SLV 7	1144613	1422107	0.084	-1952812	SLV 9	-2519810	-3221991	0.114	Si
77	26.61	5.4	11.4	5.4	905477	SLV 7	1051701	1422107	0.084	-1582940	SLV 9	-2145338	-3221991	0.114	Si
86	26.33	5.4	11.4	5.4	855952	SLV 7	1004200	1422107	0.084	-1399191	SLV 9	-1959226	-3189410	0.113	Si
105	21.82	5.4	11.4	5.4	755128	SLV 7	907162	1422107	0.084	-1034253	SLV 9	-1589302	-2656188	0.103	Si
125	17.3	5.4	11.4	5.4	652654	SLV 7	807544	1422107	0.084	-673446	SLV 9	-1222579	-2121678	0.094	Si
144	7.6	5.4	11.4	5.4	551544	SLV 11	705764	1422093	0.084	-319786	SLV 5	-859476	-970824	0.078	Si
163	7.6	5.4	11.4	5.4	458626	SLV 11	603301	1422093	0.084	19901	SLV 5	-501472	-970824	0.078	Si
182	7.6	5.4	11.4	5.4	468412	SLV 13	939919	1422093	0.084	251101	SLV 3	-153888	-970824	0.078	Si
201	7.6	5.4	11.4	5.4	759780	SLV 9	1286410	1422093	0.084						Si
211	7.6	5.4	11.4	5.4	933936	SLV 9	1458679	1422093	0.084	136216	SLV 7	-47118	-970824	0.078	No
230	7.6	5.4	11.4	5.4	1280471	SLV 9	1801173	1422093	0.084	16213	SLV 7	-171852	-970824	0.078	No
249	7.6	5.4	11.4	5.4	1624380	SLV 9	1906182	1422093	0.084	-106946	SLV 7	-211003	-970824	0.078	No
265	7.6	5.4	11.4	5.4	1906182	SLV 9	1906182	1422093	0.084	-211003	SLV 7	-211003	-970824	0.078	No
268	7.6	5.4	11.4	5.4	1965534	SLV 9	1961137	1422093	0.084	-233132	SLV 7	-231568	-970824	0.078	No
287	7.6	5.4	11.4	5.4	2303879	SLV 9	2106115	1422093	0.084	-362290	SLV 7	-285819	-970824	0.078	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	11.4	5.4	62504	SLD 7	62504	1422107	0.084	-1865805	SLD 9	-1719164	-3221991	0.114	Si
19	26.61	5.4	11.4	5.4	104117	SLD 7	104117	1422107	0.084	-1617286	SLD 9	-1614149	-3221991	0.114	Si
23	26.61	5.4	11.4	5.4	110996	SLD 7	167909	1422107	0.084	-1574342	SLD 9	-1574342	-3221991	0.114	Si
38	26.61	5.4	11.4	5.4	142865	SLD 7	196209	1422107	0.084	-1371683	SLD 9	-1574342	-3221991	0.114	Si
57	26.61	5.4	11.4	5.4	178762	SLD 7	227851	1422107	0.084	-1129012	SLD 9	-1498364	-3221991	0.114	Si
77	26.61	5.4	11.4	5.4	211840	SLD 7	256814	1422107	0.084	-889303	SLD 9	-1254175	-3221991	0.114	Si
86	26.33	5.4	11.4	5.4	227340	SLD 7	270379	1422107	0.084	-770578	SLD 9	-1133182	-3189410	0.113	Si
105	21.82	5.4	11.4	5.4	256346	SLD 7	295792	1422107	0.084	-535470	SLD 9	-893422	-2656188	0.103	Si
125	17.3	5.4	11.4	5.4	283010	SLD 7	322637	1422107	0.084	-303802	SLD 9	-656690	-2121678	0.094	Si
144	7.6	5.4	11.4	5.4	308667	SLD 11	351278	1422093	0.084	-76909	SLD 5	-423173	-970824	0.078	Si
163	7.6	5.4	11.4	5.4	336335	SLD 11	496278	1422093	0.084	142191	SLD 5	-193523	-970824	0.078	Si
182	7.6	5.4	11.4	5.4	407834	SLD 13	715316	1422093	0.084						Si
201	7.6	5.4	11.4	5.4	602331	SLD 9	931757	1422093	0.084						Si
211	7.6	5.4	11.4	5.4	711573	SLD 9	1038942	1422093	0.084						Si
230	7.6	5.4	11.4	5.4	928062	SLD 9	1251197	1422093	0.084						Si
249	7.6	5.4	11.4	5.4	1141777	SLD 9	1316022	1422093	0.084						Si
265	7.6	5.4	11.4	5.4	1316022	SLD 9	1316022	1422093	0.084						Si
268	7.6	5.4	11.4	5.4	1352661	SLD 9	1349925	1422093	0.084						Si
287	7.6	5.4	11.4	5.4	1560691	SLD 9	1439369	1422093	0.084						No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	11072	SLU 30	11072	14486	76908	0	14486	1	Si
19	0	26.33	0	10875	SLU 30	10875	14436	76908	0	14436	1	Si
23	0.201	26.33	0	10841	SLU 30	10841	14436	76908	23342	23342	1	Si
38	0.201	21.82	0	10679	SLU 30	10679	13559	76908	23342	23342	1	Si
57	0.201	17.3	0	10483	SLU 30	10483	12550	76908	23342	23342	1	Si
77	0.201	7.6	0	10287	SLU 30	10287	9541	76908	23342	23342	1	Si
86	0.201	7.6	0	10189	SLU 30	10189	9541	76908	23342	23342	1	Si
105	0.196	7.6	0	9993	SLU 30	9993	9541	76908	22795	22795	1	Si
125	0.196	7.6	0	9797	SLU 30	9797	9541	76908	22795	22795	1	Si
144	0.196	11.4	0	9600	SLU 30	9600	10922	76908	22795	22795	1	Si
163	0.196	11.4	0	9404	SLU 30	9404	10922	76908	22795	22795	1	Si
182	0.196	11.4	0	9208	SLU 30	9208	10922	76908	22795	22795	1	Si
201	0.187	11.4	0	9012	SLU 30	9012	10922	76908	21675	21675	1	Si
211	0.187	11.4	0	8914	SLU 30	8914	10922	76908	21675	21675	1	Si
230	0.187	11.4	0	8718	SLU 30	8718	10922	76908	21675	21675	1	Si
249	0.187	11.4	0	8522	SLU 30	8522	10922	76908	21675	21675	1	Si
265	0.187	11.4	0	8360	SLU 30	8360	10922	76908	21675	21675	1	Si
268	0	11.4	0	8326	SLU 30	8326	10922	76908	0	10922	1	Si
287	0	11.4	0	8129	SLU 30	8129	10922	76908	0	10922	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	19858	SLV 9	23033	14486	76908	0	14486	1	Si
0	0	11.4	0	-4564	SLV 7	-7739	-10922	-76908	0	-10922	1	Si
19	0	26.33	0	19707	SLV 9	22882	14436	76908	0	14436	1	Si
19	0	11.4	0	-4715	SLV 7	-7890	-10922	-76908	0	-10922	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
23	0.201	26.33	0	19681	SLV 9	22856	14436	76908	23342	23342	1	Si
23	0.201	11.4	0	-4741	SLV 7	-7916	-10922	-76908	-23342	-23342	1	Si
38	0.201	21.82	0	19556	SLV 9	22731	13559	76908	23342	23342	1	Si
38	0.201	11.4	0	-4866	SLV 7	-8041	-10922	-76908	-23342	-23342	1	Si
57	0.201	17.3	0	19405	SLV 9	22580	12550	76908	23342	23342	1	Si
57	0.201	11.4	0	-5017	SLV 7	-8192	-10922	-76908	-23342	-23342	1	Si
77	0.201	7.6	0	19254	SLV 9	22429	9541	76908	23342	23342	1	Si
77	0.201	11.4	0	-5168	SLV 7	-8343	-10922	-76908	-23342	-23342	1	Si
86	0.201	7.6	0	19179	SLV 9	22354	9541	76908	23342	23342	1	Si
86	0.201	11.4	0	-5243	SLV 7	-8418	-10922	-76908	-23342	-23342	1	Si
105	0.196	7.6	0	19028	SLV 9	22203	9541	76908	22795	22795	1	Si
105	0.196	11.4	0	-5394	SLV 7	-8569	-10922	-76908	-22795	-22795	1	Si
125	0.196	7.6	0	18877	SLV 9	22052	9541	76908	22795	22795	1	Si
125	0.196	11.4	0	-5545	SLV 7	-8720	-10922	-76908	-22795	-22795	1	Si
144	0.196	7.6	0	18726	SLV 9	21901	9541	76908	22795	22795	1	Si
144	0.196	11.4	0	-5696	SLV 7	-8871	-10922	-76908	-22795	-22795	1	Si
163	0.196	11.4	0	18575	SLV 9	21750	10922	76908	22795	22795	1	Si
163	0.196	11.4	0	-5847	SLV 7	-9022	-10922	-76908	-22795	-22795	1	Si
182	0.196	11.4	0	18424	SLV 9	21599	10922	76908	22795	22795	1	Si
182	0.196	11.4	0	-5998	SLV 7	-9173	-10922	-76908	-22795	-22795	1	Si
201	0.187	11.4	0	18274	SLV 9	21448	10922	76908	21675	21675	1	Si
201	0.187	11.4	0	-6149	SLV 7	-9323	-10922	-76908	-21675	-21675	1	Si
211	0.187	11.4	0	18198	SLV 9	21373	10922	76908	21675	21675	1	Si
211	0.187	11.4	0	-6224	SLV 7	-9399	-10922	-76908	-21675	-21675	1	Si
230	0.187	11.4	0	18047	SLV 9	21222	10922	76908	21675	21675	1	Si
230	0.187	11.4	0	-6375	SLV 7	-9550	-10922	-76908	-21675	-21675	1	Si
249	0.187	11.4	0	17896	SLV 9	21071	10922	76908	21675	21675	1	Si
249	0.187	7.6	0	-6526	SLV 7	-9701	-9541	-76908	-21675	-21675	1	Si
265	0.187	11.4	0	17772	SLV 9	20947	10922	76908	21675	21675	1	Si
265	0.187	7.6	0	-6650	SLV 7	-9825	-9541	-76908	-21675	-21675	1	Si
268	0	11.4	0	17745	SLV 9	20920	10922	76908	0	10922	1	Si
268	0	7.6	0	-6677	SLV 7	-9851	-9541	-76908	0	-9541	1	Si
287	0	11.4	0	17595	SLV 9	20769	10922	76908	0	10922	1	Si
287	0	7.6	0	-6828	SLV 7	-10002	-9541	-76908	0	-9541	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	13050	SLD 9	13050	14486	76908	0	14486	1	Si
19	0	26.33	0	12899	SLD 9	12899	14436	76908	0	14436	1	Si
23	0.201	26.33	0	12873	SLD 9	12873	14436	76908	23342	23342	1	Si
38	0.201	21.82	0	12748	SLD 9	12748	13559	76908	23342	23342	1	Si
57	0.201	17.3	0	12598	SLD 9	12598	12550	76908	23342	23342	1	Si
77	0.201	7.6	0	12447	SLD 9	12447	9541	76908	23342	23342	1	Si
86	0.201	7.6	0	12371	SLD 9	12371	9541	76908	23342	23342	1	Si
105	0.196	7.6	0	12220	SLD 9	12220	9541	76908	22795	22795	1	Si
125	0.196	7.6	0	12070	SLD 9	12070	9541	76908	22795	22795	1	Si
144	0.196	7.6	0	11919	SLD 9	11919	9541	76908	22795	22795	1	Si
163	0.196	11.4	0	11768	SLD 9	11768	10922	76908	22795	22795	1	Si
182	0.196	11.4	0	11617	SLD 9	11617	10922	76908	22795	22795	1	Si
201	0.187	11.4	0	11466	SLD 9	11466	10922	76908	21675	21675	1	Si
211	0.187	11.4	0	11391	SLD 9	11391	10922	76908	21675	21675	1	Si
230	0.187	11.4	0	11240	SLD 9	11240	10922	76908	21675	21675	1	Si
249	0.187	11.4	0	11089	SLD 9	11089	10922	76908	21675	21675	1	Si
265	0.187	11.4	0	10964	SLD 9	10964	10922	76908	21675	21675	1	Si
268	0	11.4	0	10938	SLD 9	10938	10922	76908	0	10922	1	Si
287	0	11.4	0	10787	SLD 9	10787	10922	76908	0	10922	1	Si
287	0	11.4	0	-20	SLD 7	-20	-10922	-76908	0	-10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-968056	3	-876330	22.8	124.5	576.7	1837	-901650	2	-815706	21.2	93.4	0	+∞	Si
19	-813143	3	-811202	21.1	124.5	533.9	1837	-756584	2	-754771	19.6	93.4	0	+∞	Si
23	-786515	3	-786515	20.5	124.5	517.6	1837	-731673	2	-731673	19	93.4	0	+∞	Si
38	-661121	3	-786515	20.5	124.5	517.6	1837	-614409	2	-731673	19	93.4	0	+∞	Si
57	-511990	3	-739403	19.2	124.5	486.6	1837	-475125	2	-687598	17.9	93.4	0	+∞	Si
77	-365750	3	-588777	15.3	124.5	387.5	1837	-338732	2	-546819	14.2	93.4	0	+∞	Si
86	-293714	3	-514548	13.4	124.5	342	1837	-271619	2	-477513	12.5	93.4	0	+∞	Si
105	-151810	3	-368257	10.2	124.5	292.9	1837	-139562	2	-341070	9.4	93.4	0	+∞	Si
125	-12797	3	-224858	6.7	124.5	223.3	1837	-10396	2	-207518	6.2	93.4	0	+∞	Si
144	123348	2	324322	11.8	124.5	482.9	1837	115879	2	301935	11	93.4	0	+∞	Si
163	256557	3	453167	16.5	124.5	674.7	1837	239263	2	420933	15.3	93.4	0	+∞	Si
182	386897	3	579121	21	124.5	862.3	1837	359756	2	537040	19.5	93.4	0	+∞	Si
201	514346	3	702184	25.5	124.5	1045.5	1837	477359	2	650257	23.6	93.4	0	+∞	Si
211	576987	3	762632	27.7	124.5	1135.5	1837	535076	2	705781	25.6	93.4	0	+∞	Si
230	700100	3	881358	32	124.5	1312.3	1837	648342	2	814660	29.6	93.4	0	+∞	Si
249	820322	3	917325	33.3	124.5	1365.8	1837	758717	2	847590	30.8	93.4	0	+∞	Si
265	917325	3	917325	33.3	124.5	1365.8	1837	847590	2	847590	30.8	93.4	0	+∞	Si
268	937653	3	936109	34	124.5	1393.8	1837	866201	2	864784	31.4	93.4	0	+∞	Si
287	1052093	3	985664	35.8	124.5	1467.6	1837	970794	2	910148	33	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
38	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.002	1	-0.003	1	9999	Si
57	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.002	1	-0.002	1	9999	Si
77	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
86	0	-0.001	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
105	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
125	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
144	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.008	2	0.007	2	9999	Si
163	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.01	2	0.009	2	9999	Si
182	0.005	0.004	0.005	0.004	0.005	0.004	0.005	0.004	0.005	0.004	0.012	2	0.011	2	9999	Si
201	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.013	2	0.012	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
211	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.013	2	0.012	2	9999	Si
230	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
249	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.01	2	0.009	2	9999	Si
265	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
268	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	7470	15386	23342	SLV 9	0.37	767	1.031	-731673	1904308	1422107	SLV 7	0.41	961	1.131	Si
38	7345	15386	23342	SLV 9	0.38	782	1.039	-731673	1904308	1422107	SLV 7	0.41	961	1.131	Si
57	7194	15386	23342	SLV 9	0.38	800	1.049	-687598	1832211	1422107	SLV 7	0.42	1006	1.152	Si
77	7043	15386	23342	SLV 9	0.38	819	1.059	-546819	1598519	1422107	SLV 7	0.44	1203	1.24	Si
86	6968	15386	23342	SLV 9	0.39	828	1.064	-477513	1481713	1422107	SLV 7	0.46	1337	1.295	Si
105	6817	15386	22795	SLV 9	0.38	780	1.038	-341070	1248232	1422107	SLV 7	0.51	1731	1.439	Si
125	6666	15386	22795	SLV 9	0.38	798	1.048	-207518	1015061	1422107	SLV 7	0.57	2438	1.656	Si
144	6515	15386	22795	SLV 9	0.38	817	1.058	-76856	-782620	-970824	SLV 9	0.41	985	1.142	Si
163	6364	15386	22795	SLV 9	0.39	835	1.068	50914	-552387	-970824	SLV 9	0.57	2474	1.666	Si
182	6213	15386	22795	SLV 9	0.39	854	1.077	537040	402879	1422093	SLV 9	0.57	2474	1.666	Si
201	6063	15386	21675	SLV 9	0.37	737	1.014	650257	636153	1422093	SLV 9	0.44	1156	1.22	Si
211	5987	15386	21675	SLV 9	0.37	746	1.019	705781	752899	1422093	SLV 9	0.35	631	0.952	No
230	5836	15386	21675	SLV 9	0.37	763	1.029	814660	986513	1422093	SLV 9	0.23	238	0.638	No
249	5685	15386	21675	SLV 9	0.38	781	1.039	847590	1058593	1422093	SLV 9	0.2	181	0.57	No
265	5561	15386	21675	SLV 9	0.38	796	1.047	847590	1058593	1422093	SLV 9	0.2	181	0.57	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	7470	5403	23342	SLD 9	0.39	874	2.737	-731673	842669	1422107	SLD 7	0.35	623	2.382	Si
38	7345	5403	23342	SLD 9	0.4	890	2.757	-731673	842669	1422107	SLD 7	0.35	623	2.382	Si
57	7194	5403	23342	SLD 9	0.4	912	2.785	-687598	810766	1422107	SLD 7	0.35	650	2.424	Si
77	7043	5403	23342	SLD 9	0.4	932	2.81	-546819	707356	1422107	SLD 7	0.37	767	2.594	Si
86	6968	5403	23342	SLD 9	0.41	942	2.822	-477513	655669	1422107	SLD 7	0.39	844	2.698	Si
105	6817	5403	22795	SLD 9	0.4	888	2.755	-341070	552352	1422107	SLD 7	0.43	1081	2.986	Si
125	6666	5403	22795	SLD 9	0.4	908	2.78	-207518	449173	1422107	SLD 7	0.48	1520	3.434	Si
144	6515	5403	22795	SLD 9	0.4	930	2.807	-76856	-346316	-970824	SLD 9	0.35	638	2.405	Si
163	6364	5403	22795	SLD 9	0.41	950	2.832	50914	-244438	-970824	SLD 9	0.55	2218	4.009	Si
182	6213	5403	22795	SLD 9	0.41	972	2.859	537040	178275	1422093	SLD 9	0.6	2474	4.193	Si
201	6063	5403	21675	SLD 9	0.39	839	2.691	650257	281500	1422093	SLD 9	0.37	738	2.553	Si
211	5987	5403	21675	SLD 9	0.39	849	2.704	705781	333161	1422093	SLD 9	0.29	417	2.021	Si
230	5836	5403	21675	SLD 9	0.39	869	2.73	814660	436536	1422093	SLD 9	0.19	162	1.371	Si
249	5685	5403	21675	SLD 9	0.4	890	2.757	847590	468432	1422093	SLD 9	0.17	124	1.229	Si
265	5561	5403	21675	SLD 9	0.4	906	2.777	847590	468432	1422093	SLD 9	0.17	124	1.229	Si

Campata 2 tra i fili 57A - 54A, sezione R 45x70, asta 674

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	464031	SLU 29	464031	1422093	0.084						Si
19	7.6	5.4	11.4	5.4	507532	SLU 29	507532	1422093	0.084						Si
23	7.6	5.4	11.4	5.4	514969	SLU 29	573300	1422093	0.084						Si
38	7.6	5.4	11.4	5.4	547349	SLU 30	601055	1422093	0.084						Si
57	7.6	5.4	11.4	5.4	583492	SLU 30	631536	1422093	0.084						Si
67	7.6	5.4	11.4	5.4	600174	SLU 30	645387	1422093	0.084						Si
86	7.6	5.4	11.4	5.4	630759	SLU 30	670310	1422093	0.084						Si
105	7.6	5.4	11.4	5.4	657638	SLU 30	691527	1422093	0.084						Si
124	7.6	5.4	11.4	5.4	680811	SLU 30	709038	1422093	0.084						Si
143	7.6	5.4	11.4	5.4	700279	SLU 30	722844	1422093	0.084						Si
162	7.6	5.4	11.4	5.4	716041	SLU 30	732944	1422093	0.084						Si
181	7.6	5.4	11.4	5.4	728098	SLU 30	739339	1422093	0.084						Si
200	7.6	5.4	11.4	5.4	736449	SLU 30	742027	1422093	0.084						Si
209	7.6	5.4	11.4	5.4	739235	SLU 30	742034	1422093	0.084						Si
228	7.6	5.4	11.4	5.4	742027	SLU 30	742034	1422093	0.084						Si
247	7.6	5.4	11.4	5.4	741114	SLU 30	742034	1422093	0.084						Si
263	7.6	5.4	11.4	5.4	737508	SLU 30	742034	1422093	0.084						Si
266	7.6	5.4	11.4	5.4	736495	SLU 30	736495	1422093	0.084						Si
285	7.6	5.4	11.4	5.4	728171	SLU 30	728171	1422093	0.084						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	2109105	SLV 11	1982916	1422093	0.084	-1512428	SLV 5	-1345953	-970824	0.078	No
19	7.6	5.4	11.4	5.4	1910145	SLV 11	1904673	1422093	0.084	-1247909	SLV 5	-1241639	-970824	0.078	No
23	7.6	5.4	11.4	5.4	1873485	SLV 11	1873485	1422093	0.084	-1200058	SLV 5	-1200058	-970824	0.078	No
38	7.6	5.4	11.4	5.4	1708845	SLV 11	1873485	1422093	0.084	-986753	SLV 5	-1200058	-970824	0.078	No
57	7.6	5.4	11.4	5.4	1505381	SLV 11	1815389	1422093	0.084	-729132	SLV 5	-1124226	-970824	0.078	No
67	7.6	5.4	11.4	5.4	1402906	SLV 11	1714489	1422093	0.084	-601716	SLV 5	-994029	-970824	0.078	No
86	7.6	5.4	11.4	5.4	1196639	SLV 11	1511083	1422093	0.084	-349844	SLV 5	-736308	-970824	0.078	No
105	7.6	5.4	11.4	5.4	988866	SLV 11	1305734	1422093	0.084	-102168	SLV 5	-482344	-970824	0.078	Si
124	7.6	5.4	11.4	5.4	779895	SLV 11	1098720	1422093	0.084	141006	SLV 5	-232417	-970824	0.078	Si
143	7.6	5.4	11.4	5.4	643093	SLV 15	890345	1422093	0.084						Si
162	7.6	5.4	11.4	5.4	710641	SLV 9	1071692	1422093	0.084	261564	SLV 7	-75696	-970824	0.078	Si
181	7.6	5.4	11.4	5.4	947317	SLV 9	1305920	1422093	0.084	41988	SLV 7	-301535	-970824	0.078	Si
200	7.6	5.4	11.4	5.4	1182507	SLV 9	1538119	1422093	0.084	-181803	SLV 7	-531046	-970824	0.078	No
209	7.6	5.4	11.4	5.4	1299412	SLV 9	1653389	1422093	0.084	-295147	SLV 7	-647109	-970824	0.078	No
228	7.6	5.4	11.4	5.4	1531673	SLV 9	1882163	1422093	0.084	-524559	SLV 7	-881747	-970824	0.078	No
247	7.6	5.4	11.4	5.4	1761695	SLV 9	1947865	1422093	0.084	-757435	SLV 7	-950337	-970824	0.078	No
263	7.6	5.4	11.4	5.4	1947865	SLV 9	1947865	1422093	0.084	-950337	SLV 7	-950337	-970824	0.078	No
266	7.6	5.4	11.4	5.4	1989324	SLV 9	1986384	1422093	0.084	-993618	SLV 7	-990602	-970824	0.078	No
285	7.6	5.4	11.4	5.4	2214445	SLV 9	2083017	1422093	0.084	-1232994	SLV 7	-1091617	-970824	0.078	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	1099630	SLD 11	1055021	1422093	0.084	-502953	SLD 5	-418058	-970824	0.078	Si
19	7.6	5.4	11.4	5.4	1029862	SLD 11	1027664	1422093	0.084	-367627	SLD 5	-364629	-970824	0.078	Si
23	7.6	5.4	11.4	5.4	1016759	SLD 11	1016759	1422093	0.084	-343332	SLD 5	-343332	-970824	0.078	Si
38	7.6	5.4	11.4	5.4	957470	SLD 11	1016759	1422093	0.084	-235377	SLD 5	-343332	-970824	0.078	Si
57	7.6	5.4	11.4	5.4	882530	SLD 11	995995	1422093	0.084	-106280	SLD 5	-304832	-970824	0.078	Si
67	7.6	5.4	11.4	5.4	844135	SLD 11	959511	1422093	0.084	-42945	SLD 5	-239052	-970824	0.078	Si
86	7.6	5.4	11.4	5.4	765571	SLD 11	884642	1422093	0.084	81224	SLD 5	-109867	-970824	0.078	Si
105	7.6	5.4	11.4	5.4	684751	SLD 11	807323	1422093	0.084						Si
124	7.6	5.4	11.4	5.4	601811	SLD 11	727678	1422093	0.084						Si
143	7.6	5.4	11.4	5.4	549214	SLD 15	645841	1422093	0.084						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
162	7.6	5.4	11.4	5.4	585461	SLD 9	751861	1422093	0.084						Si
181	7.6	5.4	11.4	5.4	694959	SLD 9	857847	1422093	0.084						Si
200	7.6	5.4	11.4	5.4	802210	SLD 9	961346	1422093	0.084						Si
209	7.6	5.4	11.4	5.4	854934	SLD 9	1012133	1422093	0.084	149332	SLD 7	-5853	-970824	0.078	Si
228	7.6	5.4	11.4	5.4	958505	SLD 9	1111733	1422093	0.084	48608	SLD 7	-111317	-970824	0.078	Si
247	7.6	5.4	11.4	5.4	1059497	SLD 9	1140002	1422093	0.084	-55237	SLD 7	-142474	-970824	0.078	Si
263	7.6	5.4	11.4	5.4	1140002	SLD 9	1140002	1422093	0.084	-142474	SLD 7	-142474	-970824	0.078	Si
266	7.6	5.4	11.4	5.4	1157840	SLD 9	1156560	1422093	0.084	-162134	SLD 7	-160778	-970824	0.078	Si
285	7.6	5.4	11.4	5.4	1253484	SLD 9	1198100	1422093	0.084	-272034	SLD 7	-206700	-970824	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	2387	SLU 30	2387	10922	76908	0	10922	1	Si
19	0	11.4	0	2192	SLU 30	2192	10922	76908	0	10922	1	Si
23	0.158	11.4	0	2156	SLU 30	2156	10922	76908	18340	18340	1	Si
38	0.158	11.4	0	1997	SLU 30	1997	10922	76908	18340	18340	1	Si
57	0.158	11.4	0	1802	SLU 30	1802	10922	76908	18340	18340	1	Si
67	0.158	11.4	0	1705	SLU 30	1705	10922	76908	18340	18340	1	Si
86	0.158	11.4	0	1510	SLU 30	1510	10922	76908	18340	18340	1	Si
105	0.15	11.4	0	1315	SLU 30	1315	10922	76908	17440	17440	1	Si
124	0.15	11.4	0	1121	SLU 30	1121	10922	76908	17440	17440	1	Si
143	0.15	11.4	0	926	SLU 30	926	10922	76908	17440	17440	1	Si
162	0.15	11.4	0	731	SLU 30	731	10922	76908	17440	17440	1	Si
181	0.15	11.4	0	536	SLU 30	536	10922	76908	17440	17440	1	Si
200	0.144	11.4	0	342	SLU 30	342	10922	76908	16673	16673	1	Si
209	0.144	11.4	0	244	SLU 30	244	10922	76908	16673	16673	1	Si
228	0.144	11.4	0	72	SLU 12	72	10922	76908	16673	16673	1	Si
228	0.144	11.4	0	-63	SLU 19	-63	-10922	-76908	-16673	-16673	1	Si
247	0.144	11.4	0	-258	SLU 19	-258	-10922	-76908	-16673	-16673	1	Si
263	0.144	11.4	0	-417	SLU 19	-417	-10922	-76908	-16673	-16673	1	Si
266	0	11.4	0	-453	SLU 19	-453	-10922	-76908	0	-10922	1	Si
285	0	11.4	0	-648	SLU 19	-648	-10922	-76908	0	-10922	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	14084	SLV 9	17278	9541	76908	0	9541	1	Si
0	0	11.4	0	-10488	SLV 7	-13682	-10922	-76908	0	-10922	1	Si
19	0	7.6	0	13934	SLV 9	17128	9541	76908	0	9541	1	Si
19	0	11.4	0	-10638	SLV 7	-13832	-10922	-76908	0	-10922	1	Si
23	0.158	7.6	0	13907	SLV 9	17101	9541	76908	18340	18340	1	Si
23	0.158	11.4	0	-10665	SLV 7	-13860	-10922	-76908	-18340	-18340	1	Si
38	0.158	7.6	0	13784	SLV 9	16978	9541	76908	18340	18340	1	Si
38	0.158	11.4	0	-10788	SLV 7	-13982	-10922	-76908	-18340	-18340	1	Si
57	0.158	7.6	0	13634	SLV 9	16829	9541	76908	18340	18340	1	Si
57	0.158	11.4	0	-10938	SLV 7	-14132	-10922	-76908	-18340	-18340	1	Si
67	0.158	7.6	0	13559	SLV 9	16754	9541	76908	18340	18340	1	Si
67	0.158	11.4	0	-11012	SLV 7	-14207	-10922	-76908	-18340	-18340	1	Si
86	0.158	7.6	0	13409	SLV 9	16604	9541	76908	18340	18340	1	Si
86	0.158	11.4	0	-11162	SLV 7	-14357	-10922	-76908	-18340	-18340	1	Si
105	0.15	7.6	0	13260	SLV 9	16454	9541	76908	17440	17440	1	Si
105	0.15	11.4	0	-11312	SLV 7	-14506	-10922	-76908	-17440	-17440	1	Si
124	0.15	11.4	0	13110	SLV 9	16304	10922	76908	17440	17440	1	Si
124	0.15	11.4	0	-11462	SLV 7	-14656	-10922	-76908	-17440	-17440	1	Si
143	0.15	11.4	0	12960	SLV 9	16154	10922	76908	17440	17440	1	Si
143	0.15	11.4	0	-11612	SLV 7	-14806	-10922	-76908	-17440	-17440	1	Si
162	0.15	11.4	0	12810	SLV 9	16005	10922	76908	17440	17440	1	Si
162	0.15	11.4	0	-11762	SLV 7	-14956	-10922	-76908	-17440	-17440	1	Si
181	0.15	11.4	0	12660	SLV 9	15855	10922	76908	17440	17440	1	Si
181	0.15	11.4	0	-11911	SLV 7	-15106	-10922	-76908	-17440	-17440	1	Si
200	0.144	11.4	0	12511	SLV 9	15705	10922	76908	16673	16673	1	Si
200	0.144	7.6	0	-12061	SLV 7	-15256	-9541	-76908	-16673	-16673	1	Si
209	0.144	11.4	0	12436	SLV 9	15630	10922	76908	16673	16673	1	Si
209	0.144	7.6	0	-12136	SLV 7	-15330	-9541	-76908	-16673	-16673	1	Si
228	0.144	11.4	0	12286	SLV 9	15480	10922	76908	16673	16673	1	Si
228	0.144	7.6	0	-12286	SLV 7	-15480	-9541	-76908	-16673	-16673	1	Si
247	0.144	11.4	0	12136	SLV 9	15330	10922	76908	16673	16673	1	Si
247	0.144	7.6	0	-12436	SLV 7	-15630	-9541	-76908	-16673	-16673	1	Si
263	0.144	11.4	0	12014	SLV 9	15208	10922	76908	16673	16673	1	Si
263	0.144	7.6	0	-12558	SLV 7	-15753	-9541	-76908	-16673	-16673	1	Si
266	0	11.4	0	11986	SLV 9	15180	10922	76908	0	10922	1	Si
266	0	7.6	0	-12586	SLV 7	-15780	-9541	-76908	0	-9541	1	Si
285	0	11.4	0	11836	SLV 9	15031	10922	76908	0	10922	1	Si
285	0	7.6	0	-12735	SLV 7	-15930	-9541	-76908	0	-9541	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	7234	SLD 9	7234	9541	76908	0	9541	1	Si
0	0	11.4	0	-3639	SLD 7	-3639	-10922	-76908	0	-10922	1	Si
19	0	7.6	0	7085	SLD 9	7085	9541	76908	0	9541	1	Si
19	0	11.4	0	-3789	SLD 7	-3789	-10922	-76908	0	-10922	1	Si
23	0.158	7.6	0	7057	SLD 9	7057	9541	76908	18340	18340	1	Si
23	0.158	11.4	0	-3816	SLD 7	-3816	-10922	-76908	-18340	-18340	1	Si
38	0.158	7.6	0	6935	SLD 9	6935	9541	76908	18340	18340	1	Si
38	0.158	11.4	0	-3938	SLD 7	-3938	-10922	-76908	-18340	-18340	1	Si
57	0.158	7.6	0	6785	SLD 9	6785	9541	76908	18340	18340	1	Si
57	0.158	11.4	0	-4088	SLD 7	-4088	-10922	-76908	-18340	-18340	1	Si
67	0.158	11.4	0	6710	SLD 9	6710	10922	76908	18340	18340	1	Si
67	0.158	11.4	0	-4163	SLD 7	-4163	-10922	-76908	-18340	-18340	1	Si
86	0.158	11.4	0	6560	SLD 9	6560	10922	76908	18340	18340	1	Si
86	0.158	11.4	0	-4313	SLD 7	-4313	-10922	-76908	-18340	-18340	1	Si
105	0.15	11.4	0	6410	SLD 9	6410	10922	76908	17440	17440	1	Si
105	0.15	11.4	0	-4463	SLD 7	-4463	-10922	-76908	-17440	-17440	1	Si
124	0.15	11.4	0	6261	SLD 9	6261	10922	76908	17440	17440	1	Si
124	0.15	11.4	0	-4613	SLD 7	-4613	-10922	-76908	-17440	-17440	1	Si
143	0.15	11.4	0	6111	SLD 9	6111	10922	76908	17440	17440	1	Si
143	0.15	11.4	0	-4762	SLD 7	-4762	-10922	-76908	-17440	-17440	1	Si
162	0.15	11.4	0	5961	SLD 9	5961	10922	76908	17440	17440	1	Si
162	0.15	11.4	0	-4912	SLD 7	-4912	-10922	-76908	-17440	-17440	1	Si
181	0.15	11.4	0	5811	SLD 9	5811	10922	76908	17440	17440	1	Si
181	0.15	11.4	0	-5062	SLD 7	-5062	-10922	-76908	-17440	-17440	1	Si
200	0.144	11.4	0	5661	SLD 9	5661	10922	76908	16673	16673	1	Si
200	0.144	11.4	0	-5212	SLD 7	-5212	-10922	-76908	-16673	-16673	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
209	0.144	11.4	0	5586	SLD 9	5586	10922	76908	16673	16673	1	Si
209	0.144	11.4	0	-5287	SLD 7	-5287	-10922	-76908	-16673	-16673	1	Si
228	0.144	11.4	0	5437	SLD 9	5437	10922	76908	16673	16673	1	Si
228	0.144	11.4	0	-5437	SLD 7	-5437	-10922	-76908	-16673	-16673	1	Si
247	0.144	11.4	0	5287	SLD 9	5287	10922	76908	16673	16673	1	Si
247	0.144	7.6	0	-5587	SLD 7	-5587	-9541	-76908	-16673	-16673	1	Si
263	0.144	11.4	0	5164	SLD 9	5164	10922	76908	16673	16673	1	Si
263	0.144	7.6	0	-5709	SLD 7	-5709	-9541	-76908	-16673	-16673	1	Si
266	0	11.4	0	5137	SLD 9	5137	10922	76908	0	10922	1	Si
266	0	7.6	0	-5736	SLD 7	-5736	-9541	-76908	0	-9541	1	Si
285	0	11.4	0	4987	SLD 9	4987	10922	76908	0	10922	1	Si
285	0	7.6	0	-5886	SLD 7	-5886	-9541	-76908	0	-9541	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	332898	2	332898	12.1	124.5	495.7	1837	298338	2	298338	10.8	93.4	0	+∞	Si
19	366077	2	366077	13.3	124.5	545.1	1837	331118	2	331118	12	93.4	0	+∞	Si
23	371746	2	416176	15.1	124.5	619.6	1837	336714	2	380494	13.8	93.4	0	+∞	Si
38	396420	3	437290	15.9	124.5	651.1	1837	361046	2	401252	14.6	93.4	0	+∞	Si
57	423933	3	460449	16.7	124.5	685.6	1837	388125	2	423975	15.4	93.4	0	+∞	Si
67	436621	3	470959	17.1	124.5	701.2	1837	400595	2	434267	15.8	93.4	0	+∞	Si
86	459859	3	489841	17.8	124.5	729.3	1837	423397	2	452714	16.4	93.4	0	+∞	Si
105	480246	3	505873	18.4	124.5	753.2	1837	443349	2	468311	17	93.4	0	+∞	Si
124	497783	3	519054	18.8	124.5	772.8	1837	460451	2	481057	17.5	93.4	0	+∞	Si
143	512469	3	529385	19.2	124.5	788.2	1837	474702	2	490953	17.8	93.4	0	+∞	Si
162	524305	3	536866	19.5	124.5	799.3	1837	486102	2	497998	18.1	93.4	0	+∞	Si
181	533290	3	541496	19.7	124.5	806.2	1837	494652	2	502193	18.2	93.4	0	+∞	Si
200	539425	3	543283	19.7	124.5	808.9	1837	500352	2	503557	18.3	93.4	0	+∞	Si
209	541424	3	543283	19.7	124.5	808.9	1837	502133	2	503557	18.3	93.4	0	+∞	Si
228	543283	3	543283	19.7	124.5	808.9	1837	503557	2	503557	18.3	93.4	0	+∞	Si
247	542292	3	543283	19.7	124.5	808.9	1837	502130	2	503557	18.3	93.4	0	+∞	Si
263	539282	3	543202	19.7	124.5	808.8	1837	498764	2	503350	18.3	93.4	0	+∞	Si
266	538450	3	538450	19.5	124.5	801.7	1837	497853	2	497853	18.1	93.4	0	+∞	Si
285	531758	3	531758	19.3	124.5	791.7	1837	490725	2	490725	17.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.007	2	0.006	2	9999	Si
23	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.008	2	0.007	2	9999	Si
38	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.013	2	0.011	2	9999	Si
57	0.008	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.018	2	0.016	2	9999	Si
67	0.009	0.008	0.009	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.02	2	0.018	2	9999	Si
86	0.011	0.009	0.01	0.008	0.011	0.009	0.01	0.008	0.01	0.009	0.024	2	0.021	2	9999	Si
105	0.013	0.01	0.011	0.009	0.012	0.01	0.011	0.009	0.012	0.01	0.027	2	0.024	2	9999	Si
124	0.013	0.011	0.012	0.01	0.013	0.011	0.011	0.01	0.012	0.011	0.029	2	0.025	2	9883	Si
143	0.014	0.011	0.013	0.01	0.013	0.011	0.012	0.01	0.013	0.011	0.03	2	0.026	2	9612	Si
152	0.014	0.011	0.013	0.01	0.013	0.011	0.012	0.01	0.013	0.011	0.03	2	0.026	2	9612	Si
162	0.014	0.011	0.012	0.01	0.013	0.011	0.012	0.01	0.013	0.011	0.029	2	0.026	2	9701	Si
181	0.013	0.011	0.012	0.01	0.012	0.011	0.011	0.01	0.012	0.011	0.028	2	0.025	2	9999	Si
200	0.012	0.01	0.011	0.009	0.011	0.01	0.01	0.009	0.011	0.01	0.026	2	0.022	2	9999	Si
209	0.011	0.009	0.01	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.024	2	0.021	2	9999	Si
228	0.009	0.007	0.008	0.007	0.009	0.007	0.008	0.007	0.008	0.007	0.02	2	0.017	2	9999	Si
247	0.007	0.005	0.006	0.005	0.006	0.005	0.006	0.005	0.006	0.005	0.014	2	0.013	2	9999	Si
263	0.004	0.003	0.004	0.003	0.004	0.003	0.004	0.003	0.004	0.003	0.009	2	0.008	2	9999	Si
266	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.008	2	0.007	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1621	15480	18340	SLV 9	0.39	858	1.079	336714	1536772	1422093	SLV 11	0.26	320	0.72	No
38	1498	15480	18340	SLV 9	0.39	874	1.088	336714	1536772	1422093	SLV 11	0.26	320	0.72	No
57	1348	15480	18340	SLV 9	0.4	893	1.097	345582	1469808	1422093	SLV 11	0.27	347	0.745	No
67	1273	15480	18340	SLV 9	0.4	903	1.102	360230	1354259	1422093	SLV 11	0.29	402	0.791	No
86	1124	15480	18340	SLV 9	0.4	922	1.112	387388	1123696	1422093	SLV 11	0.34	583	0.921	No
105	974	15480	17440	SLV 9	0.39	827	1.063	411695	894039	1422093	SLV 11	0.41	959	1.13	Si
124	824	15480	17440	SLV 9	0.39	846	1.073	433152	665569	1422093	SLV 11	0.53	1982	1.522	Si
143	674	15480	17440	SLV 9	0.39	864	1.083	451758	438586	1422093	SLV 11	0.57	2474	1.666	Si
162	524	15480	17440	SLV 9	0.4	883	1.092	497998	573694	1422093	SLV 9	0.57	2460	1.663	Si
181	374	15480	17440	SLV 9	0.4	902	1.102	502193	803728	1422093	SLV 9	0.41	990	1.145	Si
200	225	15480	16673	SLV 9	0.39	825	1.062	503537	1034583	1422093	SLV 9	0.32	534	0.889	No
209	150	15480	16673	SLV 9	0.39	834	1.067	503140	1150249	1422093	SLV 9	0.29	419	0.805	No
228	0	-15480	-16673	SLV 7	0.39	853	1.077	500208	1381955	1422093	SLV 9	0.25	283	0.685	No
247	-150	-15480	-16673	SLV 7	0.39	834	1.067	498764	1449101	1422093	SLV 9	0.24	256	0.657	No
263	-272	-15480	-16673	SLV 7	0.38	819	1.059	498764	1449101	1422093	SLV 9	0.24	256	0.657	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1621	5437	18340	SLD 9	0.41	978	2.866	336714	680046	1422093	SLD 11	0.22	218	1.549	Si
38	1498	5437	18340	SLD 9	0.42	997	2.889	336714	680046	1422093	SLD 11	0.22	218	1.549	Si
57	1348	5437	18340	SLD 9	0.42	1021	2.917	345582	650414	1422093	SLD 11	0.23	236	1.6	Si
67	1273	5437	18340	SLD 9	0.42	1034	2.932	360230	599282	1422093	SLD 11	0.24	273	1.698	Si
86	1124	5437	18340	SLD 9	0.42	1058	2.96	387388	497255	1422093	SLD 11	0.28	388	1.962	Si
105	974	5437	17440	SLD 9	0.41	941	2.821	411695	395628	1422093	SLD 11	0.34	622	2.381	Si
124	824	5437	17440	SLD 9	0.41	963	2.848	433152	294526	1422093	SLD 11	0.45	1237	3.156	Si
143	674	5437	17440	SLD 9	0.41	984	2.873	451758	194083	1422093	SLD 11	0.6	2474	4.193	Si
162	524	5437	17440	SLD 9	0.42	1008	2.902	497998	253863	1422093	SLD 9	0.48	1533	3.446	Si
181	374	5437	17440	SLD 9	0.42	1034	2.932	502193	355655	1422093	SLD 9	0.35	641	2.41	Si
200	225	5437	16673	SLD 9	0.41	939	2.818	503537	457810	1422093	SLD 9	0.27	359	1.9	Si
209	150	5437	16673	SLD 9	0.41	949	2.831	503140	508993	1422093	SLD 9	0.25	284	1.726	Si
228	0	-5437	-16673	SLD 7	0.41	971	2.857	500208	611525	1422093	SLD 9	0.21	192	1.47	Si
247	-150	-5437	-16673	SLD 7	0.41	949	2.831	498764	641238	1422093	SLD 9	0.2	174	1.412	Si
263	-272	-5437	-16673	SLD 7	0.4	932	2.81	498764	641238	1422093	SLD 9	0.2	174	1.412	Si

Campata 3 tra i fili 54A - 49A, sezione R 45x70, asta 675

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	1307321	SLU 30	1235696	1422093	0.084						Si
20	7.6	5.4	11.4	5.4	1177101	SLU 30	1176229	1422093	0.084						Si
23	7.6	5.4	11.4	5.4	1161571	SLU 30	1161571	1422093	0.084						Si
40	7.6	5.4	11.4	5.4	1042722	SLU 30	1161571	1422093	0.084						Si
60	7.6	5.4	11.4	5.4	904186	SLU 30	1102641	1422093	0.084						Si
81	7.6	5.4	11.4	5.4	761492	SLU 30	965944	1422093	0.084						Si
91	7.6	5.4	11.4	5.4	688586	SLU 30	896037	1422093	0.084						Si
111	7.6	5.4	11.4	5.4	539655	SLU 30	753103	1422093	0.084						Si
131	7.6	5.4	11.4	5.4	386566	SLU 30	606012	1422093	0.084						Si
151	7.6	5.4	11.4	5.4	229319	SLU 30	454763	1422093	0.084	145677	SLU 1	-12376	-970824	0.078	Si
171	7.6	5.4	11.4	5.4	74447	SLU 26	299356	1422093	0.084	50319	SLU 11	-172338	-970824	0.078	Si
191	7.6	5.4	11.4	5.4	-35619	SLU 8	139791	1422093	0.084	-97717	SLU 29	-343864	-970824	0.078	Si
212	7.6	5.4	11.4	5.4	-131392	SLU 8	10450	1422093	0.084	-267403	SLU 29	-519562	-970824	0.078	Si
232	7.6	5.4	11.4	5.4						-441247	SLU 29	-699438	-970824	0.078	Si
242	7.6	5.4	13.43	5.4						-529744	SLU 30	-790935	-971076	0.079	Si
262	7.6	5.4	14.79	5.4						-709859	SLU 30	-872550	-971213	0.079	Si
280	7.6	5.4	15.21	5.4						-872550	SLU 30	-872550	-971252	0.079	Si
282	7.6	5.4	15.21	5.4						-894132	SLU 30	-893068	-971252	0.079	Si
302	7.6	5.4	15.21	5.4						-1082563	SLU 30	-976307	-971252	0.079	No

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	2413555	SLV 11	2223810	1422093	0.084	-677912	SLV 5	-580008	-970824	0.078	No
20	7.6	5.4	11.4	5.4	2071948	SLV 11	2069842	1422093	0.084	-503768	SLV 5	-502803	-970824	0.078	No
23	7.6	5.4	11.4	5.4	2031890	SLV 11	2031890	1422093	0.084	-483773	SLV 5	-483773	-970824	0.078	No
40	7.6	5.4	11.4	5.4	1727224	SLV 11	2031890	1422093	0.084	-332904	SLV 5	-483773	-970824	0.078	No
60	7.6	5.4	11.4	5.4	1379437	SLV 11	1880096	1422093	0.084	-165375	SLV 5	-408141	-970824	0.078	No
81	7.6	5.4	11.4	5.4	1028704	SLV 11	1533656	1422093	0.084	-1296	SLV 5	-239128	-970824	0.078	No
91	7.6	5.4	11.4	5.4	852310	SLV 11	1359300	1422093	0.084	79372	SLV 5	-155885	-970824	0.078	Si
111	7.6	5.4	11.4	5.4	503497	SLV 15	1008408	1422093	0.084	231937	SLV 1	-50543	-970824	0.078	Si
131	7.6	5.4	11.4	5.4	432604	SLV 9	654911	1422093	0.084	100184	SLV 7	-401430	-970824	0.078	Si
151	7.6	5.4	11.4	5.4	567886	SLV 9	768941	1422093	0.084	-244141	SLV 7	-758082	-970824	0.078	Si
171	7.6	5.4	11.4	5.4	710733	SLV 9	918602	1422093	0.084	-602426	SLV 7	-1132410	-970824	0.078	No
191	7.6	5.4	11.4	5.4	855187	SLV 5	1060206	1422093	0.084	-968716	SLV 11	-1505077	-970824	0.078	No
212	7.6	5.4	11.4	5.4	997911	SLV 5	1199002	1422093	0.084	-1339673	SLV 11	-1881332	-970824	0.078	No
232	7.6	5.4	11.4	5.4	1137989	SLV 5	1334794	1422093	0.084	-1714380	SLV 11	-2260981	-970824	0.078	No
242	7.6	5.4	13.43	5.4	1206935	SLV 5	1401536	1663158	0.088	-1903039	SLV 11	-2452049	-971076	0.079	No
262	7.6	5.4	14.79	5.4	1342552	SLV 5	1459734	1824247	0.091	-2282881	SLV 11	-2621309	-971213	0.079	No
280	7.6	5.4	15.21	5.4	1459734	SLV 5	1459734	1873491	0.092	-2621309	SLV 11	-2621309	-971252	0.079	No
282	7.6	5.4	15.21	5.4	1475077	SLV 5	1474257	1873491	0.092	-2666027	SLV 11	-2663768	-971252	0.079	No
302	7.6	5.4	15.21	5.4	1604471	SLV 5	1533175	1873491	0.092	-3052438	SLV 11	-2836024	-971252	0.079	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	1551837	SLD 11	1442271	1422093	0.084						No
20	7.6	5.4	11.4	5.4	1353990	SLD 11	1352741	1422093	0.084						Si
23	7.6	5.4	11.4	5.4	1330672	SLD 11	1330672	1422093	0.084						Si
40	7.6	5.4	11.4	5.4	1152982	SLD 11	1330672	1422093	0.084						Si
60	7.6	5.4	11.4	5.4	948835	SLD 11	1242271	1422093	0.084						Si
81	7.6	5.4	11.4	5.4	741601	SLD 11	1039509	1422093	0.084						Si
91	7.6	5.4	11.4	5.4	636861	SLD 11	936957	1422093	0.084						Si
111	7.6	5.4	11.4	5.4	427801	SLD 15	729550	1422093	0.084						Si
131	7.6	5.4	11.4	5.4	339943	SLD 9	519207	1422093	0.084	192845	SLD 7	-113769	-970824	0.078	Si
151	7.6	5.4	11.4	5.4	341537	SLD 9	354106	1422093	0.084	-17792	SLD 7	-332435	-970824	0.078	Si
171	7.6	5.4	11.4	5.4	344698	SLD 9	346898	1422093	0.084	-236391	SLD 7	-560705	-970824	0.078	Si
191	7.6	5.4	11.4	5.4	346787	SLD 5	346912	1422093	0.084	-460316	SLD 11	-790024	-970824	0.078	Si
212	7.6	5.4	11.4	5.4	346327	SLD 5	346912	1422093	0.084	-688089	SLD 11	-1022714	-970824	0.078	No
232	7.6	5.4	11.4	5.4	342914	SLD 5	346845	1422093	0.084	-919305	SLD 11	-1258688	-970824	0.078	No
242	7.6	5.4	13.43	5.4	340055	SLD 5	346175	1663158	0.088	-1036159	SLD 11	-1377894	-971076	0.079	No
262	7.6	5.4	14.79	5.4	331992	SLD 5	342585	1824247	0.091	-1272321	SLD 11	-1483752	-971213	0.079	No
280	7.6	5.4	15.21	5.4	322177	SLD 5	336845	1873491	0.092	-1483752	SLD 11	-1483752	-971252	0.079	No
282	7.6	5.4	15.21	5.4	320779	SLD 5	320779	1873491	0.092	-1511728	SLD 11	-1510328	-971252	0.079	No
302	7.6	5.4	15.21	5.4	306396	SLD 5	306396	1873491	0.092	-1754363	SLD 11	-1618146	-971252	0.079	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	-6358	SLU 30	-6358	-10922	-76908	0	-10922	1	Si
20	0	11.4	0	-6565	SLU 30	-6565	-10922	-76908	0	-10922	1	Si
23	0.187	11.4	0	-6589	SLU 30	-6589	-10922	-76908	-21675	-21675	1	Si
40	0.187	11.4	0	-6771	SLU 30	-6771	-10922	-76908	-21675	-21675	1	Si
60	0.187	11.4	0	-6977	SLU 30	-6977	-10922	-76908	-21675	-21675	1	Si
81	0.187	11.4	0	-7184	SLU 30	-7184	-10922	-76908	-21675	-21675	1	Si
91	0.187	11.4	0	-7287	SLU 30	-7287	-10922	-76908	-21675	-21675	1	Si
111	0.189	11.4	0	-7493	SLU 30	-7493	-10922	-76908	-21890	-21890	1	Si
131	0.189	11.4	0	-7700	SLU 30	-7700	-10922	-76908	-21890	-21890	1	Si
151	0.189	11.4	0	-7906	SLU 30	-7906	-10922	-76908	-21890	-21890	1	Si
171	0.189	11.4	0	-8112	SLU 30	-8112	-10922	-76908	-21890	-21890	1	Si
191	0.189	7.6	0	-8318	SLU 30	-8318	-9541	-76908	-21890	-21890	1	Si
212	0.201	7.6	0	-8525	SLU 30	-8525	-9541	-76908	-23342	-23342	1	Si
232	0.201	7.6	0	-8731	SLU 30	-8731	-9541	-76908	-23342	-23342	1	Si
242	0.201	7.6	0	-8834	SLU 30	-8834	-9541	-76908	-23342	-23342	1	Si
262	0.201	7.6	0	-9041	SLU 30	-9041	-9541	-76908	-23342	-23342	1	Si
280	0.201	7.6	0	-9223	SLU 30	-9223	-9541	-76908	-23342	-23342	1	Si
282	0	7.6	0	-9247	SLU 30	-9247	-9541	-76908	0	-9541	1	Si
302	0	7.6	0	-9453	SLU 30	-9453	-9541	-76908	0	-9541	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	8731	SLV 5	12061	9541	76908	0	9541	1	Si
0	0	11.4	0	-16882	SLV 11	-20212	-10922	-76908	0	-10922	1	Si
20	0	7.6	0	8573	SLV 5	11903	9541	76908	0	9541	1	Si
20	0	11.4	0	-17041	SLV 11	-20371	-10922	-76908	0	-10922	1	Si
23	0.187	7.6	0	8554	SLV 5	11884	9541	76908	21675	21675	1	Si
23	0.187	11.4	0	-17060	SLV 11	-20389	-10922	-76908	-21675	-21675	1	Si
40	0.187	7.6	0	8414	SLV 5	11744	9541	76908	21675	21675	1	Si
40	0.187	11.4	0	-17200	SLV 11	-20530	-10922	-76908	-21675	-21675	1	Si
60	0.187	7.6	0	8255	SLV 5	11585	9541	76908	21675	21675	1	Si
60	0.187	11.4	0	-17358	SLV 11	-20688	-10922	-76908	-21675	-21675	1	Si
81	0.187	7.6	0	8097	SLV 5	11426	9541	76908	21675	21675	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
81	0.187	11.4	0	-17517	SLV 11	-20847	-10922	-76908	-21675	-21675	1	Si
91	0.187	11.4	0	8017	SLV 5	11347	10922	76908	21675	21675	1	Si
91	0.187	11.4	0	-17597	SLV 11	-20926	-10922	-76908	-21675	-21675	1	Si
111	0.189	11.4	0	7859	SLV 5	11188	10922	76908	21890	21890	1	Si
111	0.189	11.4	0	-17755	SLV 11	-21085	-10922	-76908	-21890	-21890	1	Si
131	0.189	11.4	0	7700	SLV 5	11030	10922	76908	21890	21890	1	Si
131	0.189	11.4	0	-17914	SLV 11	-21244	-10922	-76908	-21890	-21890	1	Si
151	0.189	11.4	0	7541	SLV 5	10871	10922	76908	21890	21890	1	Si
151	0.189	7.6	0	-18073	SLV 11	-21402	-9541	-76908	-21890	-21890	1	Si
171	0.189	11.4	0	7382	SLV 5	10712	10922	76908	21890	21890	1	Si
171	0.189	7.6	0	-18231	SLV 11	-21561	-9541	-76908	-21890	-21890	1	Si
191	0.189	11.4	0	7224	SLV 5	10554	10922	76908	21890	21890	1	Si
191	0.189	7.6	0	-18390	SLV 11	-21720	-9541	-76908	-21890	-21890	1	Si
212	0.201	11.4	0	7065	SLV 5	10395	10922	76908	23342	23342	1	Si
212	0.201	7.6	0	-18549	SLV 11	-21879	-9541	-76908	-23342	-23342	1	Si
232	0.201	11.4	0	6906	SLV 5	10236	10922	76908	23342	23342	1	Si
232	0.201	7.6	0	-18707	SLV 11	-22037	-9541	-76908	-23342	-23342	1	Si
242	0.201	11.4	0	6827	SLV 5	10157	10922	76908	23342	23342	1	Si
242	0.201	7.6	0	-18787	SLV 11	-22117	-9541	-76908	-23342	-23342	1	Si
262	0.201	11.4	0	6668	SLV 5	9998	10922	76908	23342	23342	1	Si
262	0.201	7.6	0	-18946	SLV 11	-22275	-9541	-76908	-23342	-23342	1	Si
280	0.201	11.4	0	6528	SLV 5	9858	10922	76908	23342	23342	1	Si
280	0.201	7.6	0	-19086	SLV 11	-22416	-9541	-76908	-23342	-23342	1	Si
282	0	11.4	0	6510	SLV 5	9839	10922	76908	0	10922	1	Si
282	0	7.6	0	-19104	SLV 11	-22434	-9541	-76908	0	-9541	1	Si
302	0	13.43	0	6351	SLV 5	9681	11535	76908	0	11535	1	Si
302	0	7.6	0	-19263	SLV 11	-22593	-9541	-76908	0	-9541	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	1592	SLD 5	1592	10922	76908	0	10922	1	Si
0	0	11.4	0	-9743	SLD 11	-9743	-10922	-76908	0	-10922	1	Si
20	0	11.4	0	1433	SLD 5	1433	10922	76908	0	10922	1	Si
20	0	11.4	0	-9901	SLD 11	-9901	-10922	-76908	0	-10922	1	Si
23	0.187	11.4	0	1415	SLD 5	1415	10922	76908	21675	21675	1	Si
23	0.187	11.4	0	-9920	SLD 11	-9920	-10922	-76908	-21675	-21675	1	Si
40	0.187	11.4	0	1274	SLD 5	1274	10922	76908	21675	21675	1	Si
40	0.187	11.4	0	-10060	SLD 11	-10060	-10922	-76908	-21675	-21675	1	Si
60	0.187	11.4	0	1116	SLD 5	1116	10922	76908	21675	21675	1	Si
60	0.187	11.4	0	-10219	SLD 11	-10219	-10922	-76908	-21675	-21675	1	Si
81	0.187	11.4	0	957	SLD 5	957	10922	76908	21675	21675	1	Si
81	0.187	11.4	0	-10378	SLD 11	-10378	-10922	-76908	-21675	-21675	1	Si
91	0.187	11.4	0	878	SLD 5	878	10922	76908	21675	21675	1	Si
91	0.187	11.4	0	-10457	SLD 11	-10457	-10922	-76908	-21675	-21675	1	Si
111	0.189	11.4	0	719	SLD 5	719	10922	76908	21890	21890	1	Si
111	0.189	11.4	0	-10616	SLD 11	-10616	-10922	-76908	-21890	-21890	1	Si
131	0.189	11.4	0	560	SLD 5	560	10922	76908	21890	21890	1	Si
131	0.189	11.4	0	-10774	SLD 11	-10774	-10922	-76908	-21890	-21890	1	Si
151	0.189	11.4	0	402	SLD 5	402	10922	76908	21890	21890	1	Si
151	0.189	7.6	0	-10933	SLD 11	-10933	-9541	-76908	-21890	-21890	1	Si
171	0.189	11.4	0	243	SLD 5	243	10922	76908	21890	21890	1	Si
171	0.189	7.6	0	-11092	SLD 11	-11092	-9541	-76908	-21890	-21890	1	Si
191	0.189	11.4	0	84	SLD 5	84	10922	76908	21890	21890	1	Si
191	0.189	7.6	0	-11250	SLD 11	-11250	-9541	-76908	-21890	-21890	1	Si
212	0.201	7.6	0	-11409	SLD 11	-11409	-9541	-76908	-23342	-23342	1	Si
232	0.201	7.6	0	-11568	SLD 11	-11568	-9541	-76908	-23342	-23342	1	Si
242	0.201	7.6	0	-11647	SLD 11	-11647	-9541	-76908	-23342	-23342	1	Si
262	0.201	7.6	0	-11806	SLD 11	-11806	-9541	-76908	-23342	-23342	1	Si
280	0.201	7.6	0	-11946	SLD 11	-11946	-9541	-76908	-23342	-23342	1	Si
282	0	7.6	0	-11965	SLD 11	-11965	-9541	-76908	0	-9541	1	Si
302	0	7.6	0	-12123	SLD 11	-12123	-9541	-76908	0	-9541	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	949132	3	897799	32.6	124.5	1336.7	1837	867822	2	821901	29.8	93.4	0	+∞	Si
20	855704	3	855075	31	124.5	1273.1	1837	784090	2	783519	28.4	93.4	0	+∞	Si
23	844544	3	844544	30.7	124.5	1257.4	1837	774059	2	774059	28.1	93.4	0	+∞	Si
40	759078	3	844544	30.7	124.5	1257.4	1837	697160	2	774059	28.1	93.4	0	+∞	Si
60	659254	3	802186	29.1	124.5	1194.4	1837	607031	2	735977	26.7	93.4	0	+∞	Si
81	556232	3	703777	25.6	124.5	1047.9	1837	513704	2	647264	23.5	93.4	0	+∞	Si
91	503521	3	653373	23.7	124.5	972.8	1837	465841	2	601708	21.8	93.4	0	+∞	Si
111	395701	3	550167	20	124.5	819.1	1837	367717	2	508197	18.4	93.4	0	+∞	Si
131	284683	3	443762	16.1	124.5	660.7	1837	266394	2	411488	14.9	93.4	0	+∞	Si
151	170466	3	334159	12.1	124.5	497.5	1837	161873	2	311580	11.3	93.4	0	+∞	Si
171	56287	8	221357	8	124.5	329.6	1837	55911	1	208474	7.6	93.4	0	+∞	Si
191	-67609	2	-247232	5.6	124.5	85.7	1837	-56765	2	-222435	8.9	93.4	0	+∞	Si
212	-191398	2	-375644	8.4	124.5	130.3	1837	-170881	2	-341165	13.7	93.4	0	+∞	Si
232	-318385	2	-507268	11.4	124.5	175.9	1837	-288195	2	-463093	18.6	93.4	0	+∞	Si
242	-383089	3	-574279	12.6	124.5	197.3	1837	-348052	2	-525257	20.5	93.4	0	+∞	Si
262	-514897	3	-634087	13.7	124.5	216.5	1837	-470164	2	-580788	22.3	93.4	0	+∞	Si
280	-634087	3	-634087	13.6	124.5	216.1	1837	-580788	2	-580788	22.2	93.4	0	+∞	Si
282	-649903	3	-649125	14	124.5	221.3	1837	-595475	2	-594756	22.7	93.4	0	+∞	Si
302	-788108	3	-710136	15.3	124.5	242.1	1837	-723984	2	-651425	24.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
23	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
40	0.005	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.011	2	0.01	2	9999	Si
60	0.007	0.005	0.006	0.005	0.006	0.005	0.006	0.005	0.006	0.005	0.014	2	0.012	2	9999	Si
81	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.015	2	0.013	2	9999	Si
91	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.015	2	0.014	2	9999	Si
111	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.015	2	0.013	2	9999	Si
131	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.013	2	0.012	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
151	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.011	2	0.01	2	9999	Si
171	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.007	2	9999	Si
191	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
212	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.002	1	9999	Si
232	0	0	0	0	0	0	0	0	0	0	0.001	1	0	1	9999	Si
242	0	0	0	0	0	0	0	0	0	0	0	1	-0.001	1	9999	Si
262	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
280	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
282	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-4253	-16137	-21675	SLV 11	0.39	858	1.079	774059	1257831	1422093	SLV 11	0.19	162	0.545	No
40	-4393	-16137	-21675	SLV 11	0.39	841	1.071	774059	1257831	1422093	SLV 11	0.19	162	0.545	No
60	-4552	-16137	-21675	SLV 11	0.39	822	1.061	735977	1144119	1422093	SLV 11	0.22	224	0.622	No
81	-4710	-16137	-21675	SLV 11	0.38	804	1.051	647264	886392	1422093	SLV 11	0.32	514	0.875	No
91	-4790	-16137	-21675	SLV 11	0.38	795	1.046	601708	757593	1422093	SLV 11	0.39	864	1.083	Si
111	-4948	-16137	-21890	SLV 11	0.38	801	1.049	508197	500211	1422093	SLV 11	0.57	2474	1.666	Si
131	-5107	-16137	-21890	SLV 11	0.38	783	1.04	114564	-515994	-970824	SLV 7	0.57	2474	1.666	Si
151	-5266	-16137	-21890	SLV 11	0.37	765	1.03	5429	-763512	-970824	SLV 11	0.46	1328	1.291	Si
171	-5424	-16137	-21890	SLV 11	0.37	747	1.02	-106904	-1025506	-970824	SLV 11	0.31	471	0.844	No
191	-5583	-16137	-21890	SLV 11	0.37	730	1.01	-222435	-1282642	-970824	SLV 11	0.22	211	0.607	No
212	-5742	-16137	-23342	SLV 11	0.4	879	1.09	-341165	-1540167	-970824	SLV 11	0.15	101	0.449	No
232	-5901	-16137	-23342	SLV 11	0.39	860	1.081	-463093	-1797887	-970824	SLV 11	0.11	50	0.337	No
242	-5980	-16137	-23342	SLV 11	0.39	850	1.075	-525257	-1926792	-971076	SLV 11	0.09	33	0.284	No
262	-6139	-16137	-23342	SLV 11	0.39	832	1.066	-580788	-2040522	-971213	SLV 11	0.07	23	0.245	No
280	-6279	-16137	-23342	SLV 11	0.38	815	1.057	-580788	-2040522	-971252	SLV 11	0.07	23	0.245	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-4253	-5667	-21675	SLD 11	0.41	977	2.865	774059	556613	1422093	SLD 11	0.16	112	1.179	Si
40	-4393	-5667	-21675	SLD 11	0.41	957	2.841	774059	556613	1422093	SLD 11	0.16	112	1.179	Si
60	-4552	-5667	-21675	SLD 11	0.41	935	2.814	735977	506293	1422093	SLD 11	0.19	154	1.343	Si
81	-4710	-5667	-21675	SLD 11	0.4	915	2.789	647264	392245	1422093	SLD 11	0.27	346	1.872	Si
91	-4790	-5667	-21675	SLD 11	0.4	905	2.776	601708	335249	1422093	SLD 11	0.33	560	2.28	Si
111	-4948	-5667	-21890	SLD 11	0.4	912	2.785	508197	221353	1422093	SLD 11	0.55	2147	3.956	Si
131	-5107	-5667	-21890	SLD 11	0.4	891	2.759	114564	-228333	-970824	SLD 7	0.6	2474	4.193	Si
151	-5266	-5667	-21890	SLD 11	0.39	871	2.733	5429	-337865	-970824	SLD 11	0.39	839	2.691	Si
171	-5424	-5667	-21890	SLD 11	0.39	850	2.706	-106904	-453802	-970824	SLD 11	0.26	319	1.81	Si
191	-5583	-5667	-21890	SLD 11	0.39	831	2.681	-222435	-567589	-970824	SLD 11	0.18	144	1.307	Si
212	-5742	-5667	-23342	SLD 11	0.42	1003	2.896	-341165	-681549	-970824	SLD 11	0.13	70	0.972	No
232	-5901	-5667	-23342	SLD 11	0.41	979	2.867	-463093	-795594	-970824	SLD 11	0.09	34	0.723	No
242	-5980	-5667	-23342	SLD 11	0.41	968	2.854	-525257	-852637	-971076	SLD 11	0.07	23	0.616	No
262	-6139	-5667	-23342	SLD 11	0.41	947	2.828	-580788	-902964	-971213	SLD 11	0.06	15	0.517	No
280	-6279	-5667	-23342	SLD 11	0.4	927	2.804	-580788	-902964	-971252	SLD 11	0.06	15	0.517	No

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" 60A-(2361; 2306)

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 60A - 60B, sezione R 45x70, asta 681

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	26.61	5.4	889503	SLU 30	874600	3222619	0.107						Si
22	15.21	5.4	26.61	5.4	851569	SLU 30	851462	3222619	0.107						Si
23	15.21	5.4	26.61	5.4	850383	SLU 30	850383	3222619	0.107						Si
44	15.21	5.4	26.61	5.4	795645	SLU 30	850383	3222619	0.107						Si
66	13.82	5.4	26.61	5.4	721734	SLU 30	815088	3222453	0.109						Si
88	11.75	5.4	24.09	5.4	629917	SLU 29	746965	2925005	0.107						Si
99	10.71	5.4	21.87	5.4	577304	SLU 29	706158	2662402	0.104						Si
121	7.6	5.4	15.21	5.4	458586	SLU 29	611165	1873491	0.092						Si
143	7.6	5.4	15.21	5.4	321880	SLU 29	498236	1873491	0.092						Si
165	7.6	5.4	15.21	5.4	167185	SLU 29	367318	1873491	0.092	94190	SLU 8	-67762	-971252	0.079	Si
187	7.6	5.4	15.21	5.4	-2952	SLU 2	218412	1873491	0.092	-14109	SLU 35	-262910	-971252	0.079	Si
209	7.6	5.4	15.21	5.4	-123303	SLU 1	51517	1873491	0.092	-197158	SLU 30	-477523	-971252	0.079	Si
231	7.6	5.4	15.21	5.4						-405983	SLU 30	-710125	-971252	0.079	Si
253	12.17	5.4	15.21	5.4						-632796	SLU 30	-960714	-1513046	0.085	Si
264	13.21	5.4	15.21	5.4						-752948	SLU 30	-1092755	-1635950	0.086	Si
286	15.21	5.4	15.21	5.4						-1006743	SLU 30	-1272156	-1872764	0.089	Si
307	15.21	5.4	15.21	5.4						-1272156	SLU 30	-1272156	-1872764	0.089	Si
308	15.21	5.4	15.21	5.4						-1278527	SLU 30	-1278527	-1872764	0.089	Si
330	15.21	5.4	15.21	5.4						-1568300	SLU 30	-1415571	-1872764	0.089	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	26.61	5.4	2903376	SLV 13	2771351	3222619	0.107	-1657453	SLV 3	-1548196	-1872306	0.087	Si
22	15.21	5.4	26.61	5.4	2639256	SLV 13	2639124	3222619	0.107	-1449784	SLV 3	-1449784	-1872306	0.087	Si
23	15.21	5.4	26.61	5.4	2632955	SLV 13	2632955	3222619	0.107	-1445206	SLV 3	-1445206	-1872306	0.087	Si
44	15.21	5.4	26.61	5.4	2362948	SLV 13	2632955	3222619	0.107	-1254336	SLV 3	-1445206	-1872306	0.087	Si
66	13.82	5.4	26.61	5.4	2074458	SLV 13	2452843	3222453	0.109	-1071115	SLV 3	-1316247	-1708599	0.085	Si
88	11.75	5.4	24.09	5.4	1773803	SLV 13	2168272	2925005	0.107	-900139	SLV 3	-1129091	-1463069	0.084	Si
99	10.71	5.4	21.87	5.4	1618922	SLV 13	2021421	2662402	0.104	-819252	SLV 3	-1040101	-1340250	0.083	Si
121	7.6	5.4	15.21	5.4	1300096	SLV 13	1718602	1873491	0.092	-666719	SLV 3	-871310	-971252	0.079	Si
143	7.6	5.4	15.21	5.4	969341	SLV 13	1403662	1873491	0.092	-526667	SLV 3	-714809	-971252	0.079	Si
165	7.6	5.4	15.21	5.4	627695	SLV 13	1076722	1873491	0.092	-400133	SLV 3	-570716	-971252	0.079	Si
187	7.6	5.4	15.21	5.4	295003	SLV 15	738389	1873491	0.092	-306962	SLV 1	-439641	-971252	0.079	Si
209	7.6	5.4	15.21	5.4	19646	SLV 11	398710	1873491	0.092	-295537	SLV 5	-645853	-971252	0.079	Si
231	7.6	5.4	15.21	5.4	-17352	SLV 7	83675	1873491	0.092	-546879	SLV 9	-1002398	-971252	0.079	No
253	12.17	5.4	15.21	5.4	-3579	SLV 3	81918	1872995	0.09	-873403	SLV 13	-1410447	-1513046	0.085	Si
264	13.21	5.4	15.21	5.4	31323	SLV 3	108940	1872903	0.089	-1073833	SLV 13	-1619130	-1635950	0.086	Si
286	15.21	5.4	15.21	5.4	92241	SLV 3	140050	1872764	0.089	-1484115	SLV 13	-1896938	-1872764	0.089	No
307	15.21	5.4	15.21	5.4	140050	SLV 3	140050	1872764	0.089	-1896938	SLV 13	-1896938	-1872764	0.089	No
308	15.21	5.4	15.21	5.4	141107	SLV 3	141036	1872764	0.089	-1906755	SLV 13	-1906712	-1872764	0.089	No
330	15.21	5.4	15.21	5.4	177836	SLV 3	162167	1872764	0.089	-2341668	SLV 13	-2116207	-1872764	0.089	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	26.61	5.4	1632060	SLD 13	1567293	3222619	0.107	-386137	SLD 3	-344137	-1872306	0.087	Si
22	15.21	5.4	26.61	5.4	1499452	SLD 13	1499352	3222619	0.107	-309979	SLD 3	-309979	-1872306	0.087	Si
23	15.21	5.4	26.61	5.4	1496182	SLD 13	1496182	3222619	0.107	-308434	SLD 3	-308434	-1872306	0.087	Si
44	15.21	5.4	26.61	5.4	1354645	SLD 13	1496182	3222619	0.107	-246033	SLD 3	-308434	-1872306	0.087	Si
66	13.82	5.4	26.61	5.4	1197644	SLD 13	1402224	3222453	0.109	-194301	SLD 3	-265628	-1708599	0.085	Si
88	11.75	5.4	24.09	5.4	1028455	SLD 13	1249147	2925005	0.107	-154792	SLD 3	-209965	-1463069	0.084	Si
99	10.71	5.4	21.87	5.4	939295	SLD 13	1168036	2662402	0.104	-139624	SLD 3	-186716	-1340250	0.083	Si
121	7.6	5.4	15.21	5.4	751859	SLD 13	996678	1873491	0.092	-118482	SLD 3	-149386	-971252	0.079	Si
143	7.6	5.4	15.21	5.4	552342	SLD 13	813152	1873491	0.092	-109667	SLD 3	-124298	-971252	0.079	Si
165	7.6	5.4	15.21	5.4	341200	SLD 13	617511	1873491	0.092	-113638	SLD 3	-154637	-971252	0.079	Si
187	7.6	5.4	15.21	5.4	127215	SLD 15	410025	1873491	0.092	-139174	SLD 1	-255920	-971252	0.079	Si
209	7.6	5.4	15.21	5.4	-68210	SLD 11	195138	1873491	0.092	-207681	SLD 5	-470573	-971252	0.079	Si
231	7.6	5.4	15.21	5.4						-399269	SLD 9	-717701	-971252	0.079	Si
253	12.17	5.4	15.21	5.4						-630924	SLD 13	-994436	-1513046	0.085	Si
264	13.21	5.4	15.21	5.4						-765756	SLD 13	-1137417	-1635950	0.086	Si
286	15.21	5.4	15.21	5.4						-1044693	SLD 13	-1329115	-1872764	0.089	Si
307	15.21	5.4	15.21	5.4						-1329115	SLD 13	-1329115	-1872764	0.089	Si
308	15.21	5.4	15.21	5.4						-1335901	SLD 13	-1335889	-1872764	0.089	Si
330	15.21	5.4	15.21	5.4						-1639344	SLD 13	-1481098	-1872764	0.089	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	-1347	SLU 35	-1347	-14486	-76908	0	-14486	1	Si
22	0	24.09	0	-2134	SLU 30	-2134	-14014	-76908	0	-14014	1	Si
23	0.158	24.09	0	-2153	SLU 30	-2153	-14014	-76908	-18340	-18340	1	Si
44	0.158	15.21	0	-2952	SLU 30	-2952	-12021	-76908	-18340	-18340	1	Si
66	0.158	15.21	0	-3770	SLU 30	-3770	-12021	-76908	-18340	-18340	1	Si
88	0.158	15.21	0	-4588	SLU 30	-4588	-12021	-76908	-18340	-18340	1	Si
99	0.18	15.21	0	-4997	SLU 30	-4997	-12021	-76908	-20943	-20943	1	Si
121	0.18	15.21	0	-5814	SLU 30	-5814	-12021	-76908	-20943	-20943	1	Si
143	0.18	15.21	0	-6632	SLU 30	-6632	-12021	-76908	-20943	-20943	1	Si
165	0.18	15.21	0	-7450	SLU 30	-7450	-12021	-76908	-20943	-20943	1	Si
187	0.18	7.6	0	-8268	SLU 30	-8268	-9541	-76908	-20943	-20943	1	Si
209	0.18	7.6	0	-9086	SLU 30	-9086	-9541	-76908	-20943	-20943	1	Si
231	0.18	7.6	0	-9904	SLU 30	-9904	-9541	-76908	-20943	-20943	1	Si
253	0.201	7.6	0	-10722	SLU 30	-10722	-9541	-76908	-23342	-23342	1	Si
264	0.201	7.6	0	-11131	SLU 30	-11131	-9541	-76908	-23342	-23342	1	Si
286	0.201	7.6	0	-11949	SLU 30	-11949	-9541	-76908	-23342	-23342	1	Si
307	0.201	11.13	0	-12748	SLU 30	-12748	-10835	-76908	-23342	-23342	1	Si
308	0	11.13	0	-12767	SLU 30	-12767	-10835	-76908	0	-10835	1	Si
330	0	13.21	0	-13585	SLU 30	-13585	-11470	-76908	0	-11470	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.82	0	9722	SLV 3	12512	11645	76908	0	11645	1	Si
0	0	26.61	0	-11734	SLV 13	-14524	-14486	-76908	0	-14486	1	Si
22	0	11.75	0	9167	SLV 3	11957	11031	76908	0	11031	1	Si
22	0	24.09	0	-12289	SLV 13	-15078	-14014	-76908	0	-14014	1	Si
23	0.158	11.75	0	9155	SLV 3	11944	11031	76908	18340	18340	1	Si
23	0.158	24.09	0	-12302	SLV 13	-15091	-14014	-76908	-18340	-18340	1	Si
44	0.158	7.6	0	8612	SLV 3	11402	9541	76908	18340	18340	1	Si
44	0.158	15.21	0	-12844	SLV 13	-15633	-12021	-76908	-18340	-18340	1	Si
66	0.158	7.6	0	8058	SLV 3	10847	9541	76908	18340	18340	1	Si
66	0.158	15.21	0	-13399	SLV 13	-16188	-12021	-76908	-18340	-18340	1	Si
88	0.158	7.6	0	7503	SLV 3	10292	9541	76908	18340	18340	1	Si
88	0.158	15.21	0	-13954	SLV 13	-16743	-12021	-76908	-18340	-18340	1	Si
99	0.18	7.6	0	7225	SLV 3	10014	9541	76908	20943	20943	1	Si
99	0.18	15.21	0	-14231	SLV 13	-17021	-12021	-76908	-20943	-20943	1	Si
121	0.18	7.6	0	6670	SLV 3	9460	9541	76908	20943	20943	1	Si
121	0.18	15.21	0	-14786	SLV 13	-17576	-12021	-76908	-20943	-20943	1	Si
143	0.18	7.6	0	6115	SLV 3	8905	9541	76908	20943	20943	1	Si
143	0.18	15.21	0	-15341	SLV 13	-18131	-12021	-76908	-20943	-20943	1	Si
165	0.18	7.6	0	5560	SLV 3	8350	9541	76908	20943	20943	1	Si
165	0.18	15.21	0	-15896	SLV 13	-18686	-12021	-76908	-20943	-20943	1	Si
187	0.18	7.6	0	5005	SLV 3	7795	9541	76908	20943	20943	1	Si
187	0.18	15.21	0	-16451	SLV 13	-19241	-12021	-76908	-20943	-20943	1	Si
209	0.18	7.6	0	4450	SLV 3	7240	9541	76908	20943	20943	1	Si
209	0.18	7.6	0	-17006	SLV 13	-19795	-9541	-76908	-20943	-20943	1	Si
231	0.18	7.6	0	3895	SLV 3	6685	9541	76908	20943	20943	1	Si
231	0.18	7.6	0	-17561	SLV 13	-20350	-9541	-76908	-20943	-20943	1	Si
253	0.201	7.6	0	3341	SLV 3	6130	9541	76908	23342	23342	1	Si
253	0.201	7.6	0	-18116	SLV 13	-20905	-9541	-76908	-23342	-23342	1	Si
264	0.201	15.21	0	3063	SLV 3	5852	12021	76908	23342	23342	1	Si
264	0.201	7.6	0	-18393	SLV 13	-21183	-9541	-76908	-23342	-23342	1	Si
286	0.201	15.21	0	2508	SLV 3	5297	12021	76908	23342	23342	1	Si
286	0.201	7.6	0	-18948	SLV 13	-21738	-9541	-76908	-23342	-23342	1	Si
307	0.201	15.21	0	1966	SLV 3	4755	12021	76908	23342	23342	1	Si
307	0.201	11.13	0	-19491	SLV 13	-22280	-10835	-76908	-23342	-23342	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
308	0	15.21	0	1953	SLV 3	4743	12021	76908	0	12021	1	Si
308	0	11.13	0	-19503	SLV 13	-22293	-10835	-76908	0	-10835	1	Si
330	0	15.21	0	1398	SLV 3	4188	12021	76908	0	12021	1	Si
330	0	13.21	0	-20058	SLV 13	-22848	-11470	-76908	0	-11470	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.82	0	3741	SLD 3	3741	11645	76908	0	11645	1	Si
0	0	26.61	0	-5753	SLD 13	-5753	-14486	-76908	0	-14486	1	Si
22	0	11.75	0	3186	SLD 3	3186	11031	76908	0	11031	1	Si
22	0	24.09	0	-6308	SLD 13	-6308	-14014	-76908	0	-14014	1	Si
23	0.158	11.75	0	3174	SLD 3	3174	11031	76908	18340	18340	1	Si
23	0.158	24.09	0	-6321	SLD 13	-6321	-14014	-76908	-18340	-18340	1	Si
44	0.158	7.6	0	2631	SLD 3	2631	9541	76908	18340	18340	1	Si
44	0.158	15.21	0	-6863	SLD 13	-6863	-12021	-76908	-18340	-18340	1	Si
66	0.158	7.6	0	2077	SLD 3	2077	9541	76908	18340	18340	1	Si
66	0.158	15.21	0	-7418	SLD 13	-7418	-12021	-76908	-18340	-18340	1	Si
88	0.158	7.6	0	1522	SLD 3	1522	9541	76908	18340	18340	1	Si
88	0.158	15.21	0	-7973	SLD 13	-7973	-12021	-76908	-18340	-18340	1	Si
99	0.18	7.6	0	1244	SLD 3	1244	9541	76908	20943	20943	1	Si
99	0.18	15.21	0	-8250	SLD 13	-8250	-12021	-76908	-20943	-20943	1	Si
121	0.18	7.6	0	689	SLD 3	689	9541	76908	20943	20943	1	Si
121	0.18	15.21	0	-8805	SLD 13	-8805	-12021	-76908	-20943	-20943	1	Si
143	0.18	7.6	0	134	SLD 3	134	9541	76908	20943	20943	1	Si
143	0.18	15.21	0	-9360	SLD 13	-9360	-12021	-76908	-20943	-20943	1	Si
165	0.18	15.21	0	-9915	SLD 13	-9915	-12021	-76908	-20943	-20943	1	Si
187	0.18	15.21	0	-10470	SLD 13	-10470	-12021	-76908	-20943	-20943	1	Si
209	0.18	7.6	0	-11025	SLD 13	-11025	-9541	-76908	-20943	-20943	1	Si
231	0.18	7.6	0	-11580	SLD 13	-11580	-9541	-76908	-20943	-20943	1	Si
253	0.201	7.6	0	-12135	SLD 13	-12135	-9541	-76908	-23342	-23342	1	Si
264	0.201	7.6	0	-12412	SLD 13	-12412	-9541	-76908	-23342	-23342	1	Si
286	0.201	7.6	0	-12967	SLD 13	-12967	-9541	-76908	-23342	-23342	1	Si
307	0.201	11.13	0	-13510	SLD 13	-13510	-10835	-76908	-23342	-23342	1	Si
308	0	11.13	0	-13522	SLD 13	-13522	-10835	-76908	0	-10835	1	Si
330	0	13.21	0	-14077	SLD 13	-14077	-11470	-76908	0	-11470	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	659126	3	647703	16.1	124.5	424.1	1837	622961	2	611578	15.2	93.4	0	+∞	Si
22	630353	3	630275	15.6	124.5	412.7	1837	594736	2	594663	14.8	93.4	0	+∞	Si
23	629462	3	629462	15.6	124.5	412.1	1837	593874	2	593874	14.7	93.4	0	+∞	Si
44	588410	3	629462	15.6	124.5	412.1	1837	554306	2	593874	14.7	93.4	0	+∞	Si
66	533299	3	602967	15.2	124.5	395.5	1837	501671	2	568298	14.3	93.4	0	+∞	Si
88	465073	2	552093	14.7	124.5	399.3	1837	436832	2	519591	13.9	93.4	0	+∞	Si
99	426048	2	521717	14.5	124.5	414.4	1837	399835	2	490660	13.7	93.4	0	+∞	Si
121	338123	2	451164	14.8	124.5	509.4	1837	316689	2	423646	13.9	93.4	0	+∞	Si
143	237028	2	367476	12	124.5	414.9	1837	221337	2	344427	11.3	93.4	0	+∞	Si
165	122763	2	270619	8.9	124.5	305.6	1837	113781	2	253003	8.3	93.4	0	+∞	Si
187	-10411	8	-194392	4.2	124.5	66.3	1837	-7944	1	-183357	7	93.4	0	+∞	Si
209	-145933	3	-352512	7.6	124.5	120.2	1837	-137945	2	-331455	12.7	93.4	0	+∞	Si
231	-299815	3	-523801	11.3	124.5	178.5	1837	-282116	2	-491757	18.8	93.4	0	+∞	Si
253	-466867	3	-708260	22.7	124.5	984.6	1837	-438491	2	-664264	21.3	93.4	0	+∞	Si
264	-555331	3	-805428	25.1	124.5	1034.4	1837	-521255	2	-755095	23.5	93.4	0	+∞	Si
286	-742137	3	-937424	27.8	124.5	1050.6	1837	-695937	2	-878444	26.1	93.4	0	+∞	Si
307	-937424	3	-937424	27.8	124.5	1050.6	1837	-878444	2	-878444	26.1	93.4	0	+∞	Si
308	-942112	3	-942112	28	124.5	1055.9	1837	-882824	2	-882824	26.2	93.4	0	+∞	Si
330	-1155257	3	-1042931	31	124.5	1168.9	1837	-1081916	2	-977020	29	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.004	2	9999	Si
23	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.004	2	9999	Si
44	0.005	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
66	0.006	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.009	2	0.009	2	9999	Si
88	0.006	0.005	0.005	0.004	0.006	0.005	0.004	0.004	0.006	0.005	0.01	2	0.009	2	9999	Si
99	0.006	0.005	0.004	0.004	0.006	0.005	0.004	0.004	0.006	0.005	0.01	2	0.009	2	9999	Si
121	0.006	0.005	0.004	0.003	0.005	0.005	0.004	0.003	0.005	0.005	0.009	2	0.008	2	9999	Si
143	0.005	0.004	0.003	0.002	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.006	2	9999	Si
165	0.003	0.003	0.002	0.001	0.003	0.003	0.002	0.002	0.003	0.003	0.004	2	0.003	2	9999	Si
187	0.002	0.001	0.001	0	0.002	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
209	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.002	2	-0.002	2	9999	Si
231	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.004	1	-0.005	1	9999	Si
253	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
264	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.006	1	-0.007	1	9999	Si
286	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
307	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
308	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-1574	-13518	-18340	SLV 13	0.45	1225	1.249	593874	-2039081	-1872306	SLV 3	0.44	1146	1.215	Si
44	-2116	-13518	-18340	SLV 13	0.43	1123	1.205	593874	-2039081	-1872306	SLV 3	0.44	1146	1.215	Si
66	-2671	-13518	-18340	SLV 13	0.42	1024	1.161	568298	-1884545	-1708599	SLV 3	0.44	1143	1.214	Si
88	-3226	-13518	-18340	SLV 13	0.41	934	1.118	519591	-1648681	-1463069	SLV 3	0.43	1129	1.208	Si
99	-3503	-13518	-20943	SLV 13	0.46	1360	1.304	490660	-1530761	-1340250	SLV 3	0.43	1113	1.201	Si
121	-4058	-13518	-20943	SLV 13	0.45	1248	1.259	423646	-1294956	-971252	SLV 3	0.39	853	1.077	Si
143	-4613	-13518	-20943	SLV 13	0.44	1142	1.214	344427	-1059236	-971252	SLV 3	0.45	1230	1.251	Si
165	-5168	-13518	-20943	SLV 13	0.42	1042	1.169	253003	-823719	-971252	SLV 3	0.53	1984	1.522	Si
187	-5723	-13518	-20943	SLV 13	0.41	950	1.126	149374	-589015	-971252	SLV 3	0.57	2474	1.666	Si
209	-6278	-13518	-20943	SLV 13	0.39	868	1.085	-331455	-314398	-971252	SLV 9	0.57	2474	1.666	Si
231	-6833	-13518	-20943	SLV 13	0.38	790	1.044	-491757	-510641	-971252	SLV 13	0.34	611	0.939	No
253	-7388	-13518	-23342	SLV 13	0.43	1074	1.184	-664264	-746183	-1513046	SLV 13	0.41	974	1.137	Si
264	-7665	-13518	-23342	SLV 13	0.42	1025	1.161	-755095	-864035	-1635950	SLV 13	0.37	746	1.019	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
286	-8220	-13518	-23342	SLV 13	0.41	935	1.118	-878444	-1018494	-1872764	SLV 13	0.36	671	0.976	No
307	-8762	-13518	-23342	SLV 13	0.39	856	1.078	-878444	-1018494	-1872764	SLV 13	0.36	671	0.976	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-1574	-4747	-18340	SLD 13	0.47	1414	3.334	593874	-902308	-1872306	SLD 3	0.37	732	2.545	Si
44	-2116	-4747	-18340	SLD 13	0.46	1296	3.217	593874	-902308	-1872306	SLD 3	0.37	732	2.545	Si
66	-2671	-4747	-18340	SLD 13	0.44	1182	3.097	568298	-833926	-1708599	SLD 3	0.37	731	2.543	Si
88	-3226	-4747	-18340	SLD 13	0.43	1073	2.977	519591	-729556	-1463069	SLD 3	0.37	723	2.532	Si
99	-3503	-4747	-20943	SLD 13	0.49	1571	3.481	490660	-677376	-1340250	SLD 3	0.36	713	2.518	Si
121	-4058	-4747	-20943	SLD 13	0.47	1441	3.36	423646	-573032	-971252	SLD 3	0.33	553	2.269	Si
143	-4613	-4747	-20943	SLD 13	0.46	1319	3.24	344427	-468725	-971252	SLD 3	0.38	781	2.613	Si
165	-5168	-4747	-20943	SLD 13	0.44	1204	3.121	221337	-331004	-971252	SLD 3	0.48	1492	3.408	Si
187	-5723	-4747	-20943	SLD 13	0.43	1093	3	149374	-260651	-971252	SLD 3	0.57	2393	4.136	Si
209	-6278	-4747	-20943	SLD 13	0.41	989	2.879	-331455	-139118	-971252	SLD 9	0.6	2474	4.193	Si
231	-6833	-4747	-20943	SLD 13	0.4	899	2.769	-491757	-225943	-971252	SLD 13	0.29	405	1.997	Si
253	-7388	-4747	-23342	SLD 13	0.45	1240	3.159	-664264	-330172	-1513046	SLD 13	0.35	632	2.396	Si
264	-7665	-4747	-23342	SLD 13	0.44	1184	3.1	-755095	-382322	-1635950	SLD 13	0.31	486	2.152	Si
286	-8220	-4747	-23342	SLD 13	0.43	1076	2.98	-878444	-450671	-1872764	SLD 13	0.3	441	2.067	Si
307	-8762	-4747	-23342	SLD 13	0.41	974	2.861	-878444	-450671	-1872764	SLD 13	0.3	441	2.067	Si

Campata 2 tra i fili 60B - 60C, sezione R 45x70, asta 682

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4						-813733	SLU 30	-742479	-1872764	0.089	Si
22	15.21	5.4	15.21	5.4						-681488	SLU 30	-681488	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4						-680605	SLU 30	-680605	-1872764	0.089	Si
45	15.21	5.4	15.21	5.4						-567794	SLU 30	-680605	-1872764	0.089	Si
67	13.11	5.4	15.21	5.4						-472650	SLU 30	-600690	-1624529	0.086	Si
89	11.01	5.4	15.21	5.4						-396055	SLU 30	-499950	-1374910	0.083	Si
101	7.6	5.4	15.21	5.4						-364714	SLU 30	-456537	-971252	0.079	Si
123	7.6	5.4	15.21	5.4						-315943	SLU 30	-383621	-971252	0.079	Si
145	7.6	5.4	15.21	5.4						-285723	SLU 30	-329256	-971252	0.079	Si
168	7.6	5.4	15.21	5.4						-274052	SLU 30	-293440	-971252	0.079	Si
190	7.6	5.4	15.21	5.4						-280931	SLU 30	-318227	-971252	0.079	Si
212	7.6	5.4	15.21	5.4						-306360	SLU 30	-367801	-971252	0.079	Si
235	7.6	5.4	15.21	5.4						-350339	SLU 30	-435925	-971252	0.079	Si
257	12.06	5.4	15.21	5.4						-412867	SLU 30	-522598	-1499728	0.084	Si
268	13.11	5.4	15.21	5.4						-451087	SLU 30	-572891	-1624529	0.086	Si
290	15.21	5.4	15.21	5.4						-541440	SLU 30	-649496	-1872764	0.089	Si
313	15.21	5.4	15.21	5.4						-649496	SLU 30	-649496	-1872764	0.089	Si
313	15.21	5.4	15.21	5.4						-650344	SLU 30	-650344	-1872764	0.089	Si
335	15.21	5.4	15.21	5.4						-777753	SLU 30	-708968	-1872764	0.089	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	1816470	SLV 15	1707504	1872764	0.089	-2916508	SLV 1	-2712100	-1872764	0.089	No
22	15.21	5.4	15.21	5.4	1617182	SLV 15	1616982	1872764	0.089	-2540244	SLV 1	-2540085	-1872764	0.089	No
23	15.21	5.4	15.21	5.4	1615626	SLV 15	1615626	1872764	0.089	-2537508	SLV 1	-2537508	-1872764	0.089	No
45	15.21	5.4	15.21	5.4	1405570	SLV 15	1615626	1872764	0.089	-2176828	SLV 1	-2537508	-1872764	0.089	No
67	13.11	5.4	15.21	5.4	1181837	SLV 15	1470325	1872918	0.089	-1826461	SLV 1	-2285475	-1624529	0.086	No
89	11.01	5.4	15.21	5.4	946432	SLV 15	1250227	1873090	0.09	-1489593	SLV 1	-1931150	-1374910	0.083	No
101	7.6	5.4	15.21	5.4	824644	SLV 15	1135704	1873491	0.092	-1326513	SLV 1	-1758953	-971252	0.079	No
123	7.6	5.4	15.21	5.4	574100	SLV 15	898116	1873491	0.092	-1012265	SLV 1	-1424897	-971252	0.079	No
145	7.6	5.4	15.21	5.4	316461	SLV 15	650308	1873491	0.092	-716091	SLV 1	-1105791	-971252	0.079	No
168	7.6	5.4	15.21	5.4	52319	SLV 15	394634	1873491	0.092	-438586	SLV 1	-803989	-971252	0.079	Si
190	7.6	5.4	15.21	5.4	-60227	SLV 7	242904	1873491	0.092	-337849	SLV 9	-694808	-971252	0.079	Si
212	7.6	5.4	15.21	5.4	164809	SLV 3	495241	1873491	0.092	-599863	SLV 13	-1016888	-971252	0.079	No
235	7.6	5.4	15.21	5.4	420754	SLV 3	735413	1873491	0.092	-917959	SLV 13	-1351974	-971252	0.079	No
257	12.06	5.4	15.21	5.4	664632	SLV 3	963221	1873005	0.09	-1249159	SLV 13	-1699868	-1499728	0.084	No
268	13.11	5.4	15.21	5.4	781958	SLV 3	1072460	1872918	0.089	-1419585	SLV 13	-1878589	-1624529	0.086	No
290	15.21	5.4	15.21	5.4	1007304	SLV 3	1218621	1872764	0.089	-1770009	SLV 13	-2130409	-1872764	0.089	No
313	15.21	5.4	15.21	5.4	1218621	SLV 3	1218621	1872764	0.089	-2130409	SLV 13	-2130409	-1872764	0.089	No
313	15.21	5.4	15.21	5.4	1220187	SLV 3	1220161	1872764	0.089	-2133143	SLV 13	-2133143	-1872764	0.089	No
335	15.21	5.4	15.21	5.4	1420602	SLV 3	1322914	1872764	0.089	-2508909	SLV 13	-2316647	-1872764	0.089	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	497207	SLD 15	475590	1872764	0.089	-1597245	SLD 1	-1480186	-1872764	0.089	Si
22	15.21	5.4	15.21	5.4	458348	SLD 15	458248	1872764	0.089	-1381410	SLD 1	-1381351	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4	457988	SLD 15	457988	1872764	0.089	-1379870	SLD 1	-1379870	-1872764	0.089	Si
45	15.21	5.4	15.21	5.4	407019	SLD 15	457988	1872764	0.089	-1178276	SLD 1	-1379870	-1872764	0.089	Si
67	13.11	5.4	15.21	5.4	343309	SLD 15	423439	1872918	0.089	-987933	SLD 1	-1238589	-1624529	0.086	Si
89	11.01	5.4	15.21	5.4	267418	SLD 15	363455	1873090	0.09	-810580	SLD 1	-1044379	-1374910	0.083	Si
101	7.6	5.4	15.21	5.4	225034	SLD 15	328852	1873491	0.092	-726904	SLD 1	-952102	-971252	0.079	Si
123	7.6	5.4	15.21	5.4	131920	SLD 15	250604	1873491	0.092	-570084	SLD 1	-777384	-971252	0.079	Si
145	7.6	5.4	15.21	5.4	28649	SLD 15	160817	1873491	0.092	-428279	SLD 1	-616299	-971252	0.079	Si
168	7.6	5.4	15.21	5.4	-84515	SLD 15	60532	1873491	0.092	-301752	SLD 1	-469887	-971252	0.079	Si
190	7.6	5.4	15.21	5.4						-260463	SLD 9	-433430	-971252	0.079	Si
212	7.6	5.4	15.21	5.4	-48336	SLD 3	73751	1873491	0.092	-386719	SLD 13	-595398	-971252	0.079	Si
235	7.6	5.4	15.21	5.4	47602	SLD 3	153576	1873491	0.092	-544807	SLD 13	-770137	-971252	0.079	Si
257	12.06	5.4	15.21	5.4	131184	SLD 3	220914	1873005	0.09	-715710	SLD 13	-957561	-1499728	0.084	Si
268	13.11	5.4	15.21	5.4	168302	SLD 3	249887	1872918	0.089	-805928	SLD 13	-1056016	-1624529	0.086	Si
290	15.21	5.4	15.21	5.4	233158	SLD 3	285116	1872764	0.089	-995863	SLD 13	-1196904	-1872764	0.089	Si
313	15.21	5.4	15.21	5.4	285116	SLD 3	285116	1872764	0.089	-1196904	SLD 13	-1196904	-1872764	0.089	Si
313	15.21	5.4	15.21	5.4	285483	SLD 3	285460	1872764	0.089	-1198439	SLD 13	-1198439	-1872764	0.089	Si
335	15.21	5.4	15.21	5.4	325294	SLD 3	308426	1872764	0.089	-1413601	SLD 13	-1302160	-1872764	0.089	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.11	0	6337	SLU 30	6337	11442	76908	0	11442	1	Si
22	0	11.01	0	5506	SLU 30	5506	10793	76908	0	10793	1	Si
23	0.172	11.01	0	5500	SLU 30	5500	10793	76908	20007	20007	1	Si
45	0.172	7.6	0	4675	SLU 30	4675	9541	76908	20007	20007	1	Si
67	0.172	7.6	0	3845	SLU 30	3845	9541	76908	20007	20007	1	Si
89	0.172	7.6	0	3014	SLU 30	3014	9541	76908	20007	20007	1	Si
101	0.161	7.6	0	2599	SLU 30	2599	9541	76908	18673	18673	1	Si
123	0.161	7.6	0	1768	SLU 30	1768	9541	76908	18673	18673	1	Si
145	0.161	7.6	0	938	SLU 30	938	9541	76908	18673	18673	1	Si
168	0.161	7.6	0	145	SLU 12	145	9541	76908	18673	18673	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
168	0.161	7.6	0	-87	SLU 19	-87	-9541	-76908	-18673	-18673	1	Si
190	0.161	7.6	0	-735	SLU 20	-735	-9541	-76908	-18673	-18673	1	Si
212	0.161	7.6	0	-1562	SLU 29	-1562	-9541	-76908	-18673	-18673	1	Si
235	0.161	7.6	0	-2393	SLU 29	-2393	-9541	-76908	-18673	-18673	1	Si
257	0.172	7.6	0	-3223	SLU 29	-3223	-9541	-76908	-20007	-20007	1	Si
268	0.172	7.6	0	-3639	SLU 29	-3639	-9541	-76908	-20007	-20007	1	Si
290	0.172	7.6	0	-4469	SLU 29	-4469	-9541	-76908	-20007	-20007	1	Si
313	0.172	11.01	0	-5295	SLU 29	-5295	-10793	-76908	-20007	-20007	1	Si
313	0	11.01	0	-5301	SLU 29	-5301	-10793	-76908	0	-10793	1	Si
335	0	13.11	0	-6095	SLU 29	-6095	-11442	-76908	0	-11442	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.11	0	17156	SLV 3	20514	11442	76908	0	11442	1	Si
0	0	15.21	0	-8669	SLV 13	-12026	-12021	-76908	0	-12021	1	Si
22	0	11.01	0	16593	SLV 3	19950	10793	76908	0	10793	1	Si
22	0	15.21	0	-9232	SLV 13	-12589	-12021	-76908	0	-12021	1	Si
23	0.172	11.01	0	16589	SLV 3	19946	10793	76908	20007	20007	1	Si
23	0.172	15.21	0	-9236	SLV 13	-12594	-12021	-76908	-20007	-20007	1	Si
45	0.172	7.6	0	16029	SLV 3	19387	9541	76908	20007	20007	1	Si
45	0.172	15.21	0	-9796	SLV 13	-13153	-12021	-76908	-20007	-20007	1	Si
67	0.172	7.6	0	15466	SLV 3	18823	9541	76908	20007	20007	1	Si
67	0.172	15.21	0	-10359	SLV 13	-13716	-12021	-76908	-20007	-20007	1	Si
89	0.172	7.6	0	14902	SLV 3	18260	9541	76908	20007	20007	1	Si
89	0.172	15.21	0	-10923	SLV 13	-14280	-12021	-76908	-20007	-20007	1	Si
101	0.161	7.6	0	14620	SLV 3	17978	9541	76908	18673	18673	1	Si
101	0.161	15.21	0	-11204	SLV 13	-14562	-12021	-76908	-18673	-18673	1	Si
123	0.161	7.6	0	14057	SLV 3	17414	9541	76908	18673	18673	1	Si
123	0.161	15.21	0	-11768	SLV 13	-15125	-12021	-76908	-18673	-18673	1	Si
145	0.161	7.6	0	13493	SLV 3	16851	9541	76908	18673	18673	1	Si
145	0.161	15.21	0	-12332	SLV 13	-15689	-12021	-76908	-18673	-18673	1	Si
168	0.161	7.6	0	12930	SLV 3	16287	9541	76908	18673	18673	1	Si
168	0.161	7.6	0	-12895	SLV 13	-16252	-9541	-76908	-18673	-18673	1	Si
190	0.161	7.6	0	12366	SLV 3	15724	9541	76908	18673	18673	1	Si
190	0.161	7.6	0	-13459	SLV 13	-16816	-9541	-76908	-18673	-18673	1	Si
212	0.161	15.21	0	11803	SLV 3	15160	12021	76908	18673	18673	1	Si
212	0.161	7.6	0	-14022	SLV 13	-17379	-9541	-76908	-18673	-18673	1	Si
235	0.161	15.21	0	11239	SLV 3	14597	12021	76908	18673	18673	1	Si
235	0.161	7.6	0	-14586	SLV 13	-17943	-9541	-76908	-18673	-18673	1	Si
257	0.172	15.21	0	10676	SLV 3	14033	12021	76908	20007	20007	1	Si
257	0.172	7.6	0	-15149	SLV 13	-18506	-9541	-76908	-20007	-20007	1	Si
268	0.172	15.21	0	10394	SLV 3	13751	12021	76908	20007	20007	1	Si
268	0.172	7.6	0	-15431	SLV 13	-18788	-9541	-76908	-20007	-20007	1	Si
290	0.172	15.21	0	9830	SLV 3	13188	12021	76908	20007	20007	1	Si
290	0.172	7.6	0	-15995	SLV 13	-19352	-9541	-76908	-20007	-20007	1	Si
313	0.172	15.21	0	9270	SLV 3	12628	12021	76908	20007	20007	1	Si
313	0.172	11.01	0	-16554	SLV 13	-19912	-10793	-76908	-20007	-20007	1	Si
313	0	15.21	0	9266	SLV 3	12623	12021	76908	0	12021	1	Si
313	0	11.01	0	-16559	SLV 13	-19916	-10793	-76908	0	-10793	1	Si
335	0	15.21	0	8729	SLV 3	12087	12021	76908	0	12021	1	Si
335	0	13.11	0	-17096	SLV 13	-20453	-11442	-76908	0	-11442	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.11	0	9958	SLD 3	9958	11442	76908	0	11442	1	Si
0	0	15.21	0	-1470	SLD 13	-1470	-12021	-76908	0	-12021	1	Si
22	0	11.01	0	9394	SLD 3	9394	10793	76908	0	10793	1	Si
22	0	15.21	0	-2034	SLD 13	-2034	-12021	-76908	0	-12021	1	Si
23	0.172	11.01	0	9390	SLD 3	9390	10793	76908	20007	20007	1	Si
23	0.172	15.21	0	-2038	SLD 13	-2038	-12021	-76908	-20007	-20007	1	Si
45	0.172	7.6	0	8831	SLD 3	8831	9541	76908	20007	20007	1	Si
45	0.172	15.21	0	-2597	SLD 13	-2597	-12021	-76908	-20007	-20007	1	Si
67	0.172	7.6	0	8267	SLD 3	8267	9541	76908	20007	20007	1	Si
67	0.172	15.21	0	-3161	SLD 13	-3161	-12021	-76908	-20007	-20007	1	Si
89	0.172	7.6	0	7704	SLD 3	7704	9541	76908	20007	20007	1	Si
89	0.172	15.21	0	-3724	SLD 13	-3724	-12021	-76908	-20007	-20007	1	Si
101	0.161	7.6	0	7422	SLD 3	7422	9541	76908	18673	18673	1	Si
101	0.161	15.21	0	-4006	SLD 13	-4006	-12021	-76908	-18673	-18673	1	Si
123	0.161	7.6	0	6859	SLD 3	6859	9541	76908	18673	18673	1	Si
123	0.161	15.21	0	-4570	SLD 13	-4570	-12021	-76908	-18673	-18673	1	Si
145	0.161	7.6	0	6295	SLD 3	6295	9541	76908	18673	18673	1	Si
145	0.161	15.21	0	-5133	SLD 13	-5133	-12021	-76908	-18673	-18673	1	Si
168	0.161	7.6	0	5731	SLD 3	5731	9541	76908	18673	18673	1	Si
168	0.161	7.6	0	-5697	SLD 13	-5697	-9541	-76908	-18673	-18673	1	Si
190	0.161	7.6	0	5168	SLD 3	5168	9541	76908	18673	18673	1	Si
190	0.161	7.6	0	-6260	SLD 13	-6260	-9541	-76908	-18673	-18673	1	Si
212	0.161	7.6	0	4604	SLD 3	4604	9541	76908	18673	18673	1	Si
212	0.161	7.6	0	-6824	SLD 13	-6824	-9541	-76908	-18673	-18673	1	Si
235	0.161	15.21	0	4041	SLD 3	4041	12021	76908	18673	18673	1	Si
235	0.161	7.6	0	-7387	SLD 13	-7387	-9541	-76908	-18673	-18673	1	Si
257	0.172	15.21	0	3477	SLD 3	3477	12021	76908	20007	20007	1	Si
257	0.172	7.6	0	-7951	SLD 13	-7951	-9541	-76908	-20007	-20007	1	Si
268	0.172	15.21	0	3196	SLD 3	3196	12021	76908	20007	20007	1	Si
268	0.172	7.6	0	-8233	SLD 13	-8233	-9541	-76908	-20007	-20007	1	Si
290	0.172	15.21	0	2632	SLD 3	2632	12021	76908	20007	20007	1	Si
290	0.172	7.6	0	-8796	SLD 13	-8796	-9541	-76908	-20007	-20007	1	Si
313	0.172	15.21	0	2072	SLD 3	2072	12021	76908	20007	20007	1	Si
313	0.172	11.01	0	-9356	SLD 13	-9356	-10793	-76908	-20007	-20007	1	Si
313	0	15.21	0	2068	SLD 3	2068	12021	76908	0	12021	1	Si
313	0	11.01	0	-9360	SLD 13	-9360	-10793	-76908	0	-10793	1	Si
335	0	15.21	0	1531	SLD 3	1531	12021	76908	0	12021	1	Si
335	0	13.11	0	-9897	SLD 13	-9897	-11442	-76908	0	-11442	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-594524	3	-542625	16.1	124.5	608.1	1837	-550019	2	-502298	14.9	93.4	0	+∞	Si
22	-498236	3	-498236	14.8	124.5	558.4	1837	-461531	2	-461531	13.7	93.4	0	+∞	Si
23	-497593	3	-497593	14.8	124.5	557.7	1837	-460941	2	-460941	13.7	93.4	0	+∞	Si
45	-415528	3	-497593	14.8	124.5	557.7	1837	-385629	2	-460941	13.7	93.4	0	+∞	Si
67	-346400	3	-439452	13.7	124.5	568.4	1837	-322312	2	-407575	12.7	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
89	-290853	3	-366228	12.2	124.5	561.3	1837	-271581	2	-340462	11.3	93.4	0	+∞	Si
101	-268172	3	-334709	7.2	124.5	114.1	1837	-250935	2	-311625	11.9	93.4	0	+∞	Si
123	-232995	3	-281855	6.1	124.5	96.1	1837	-219082	2	-263390	10.1	93.4	0	+∞	Si
145	-211399	3	-242582	5.2	124.5	82.7	1837	-199815	2	-227741	8.7	93.4	0	+∞	Si
168	-203383	3	-216889	4.7	124.5	73.9	1837	-193133	2	-204678	7.8	93.4	0	+∞	Si
190	-208948	3	-236939	5.1	124.5	80.8	1837	-199038	2	-225952	8.6	93.4	0	+∞	Si
212	-228092	3	-273761	5.9	124.5	93.3	1837	-217527	2	-260823	10	93.4	0	+∞	Si
235	-260817	3	-324163	7	124.5	110.5	1837	-248602	2	-308281	11.8	93.4	0	+∞	Si
257	-307123	3	-388145	12.5	124.5	544.5	1837	-292263	2	-368323	11.9	93.4	0	+∞	Si
268	-335368	3	-425229	13.3	124.5	550	1837	-318813	2	-403064	12.6	93.4	0	+∞	Si
290	-402044	3	-481677	14.3	124.5	539.8	1837	-381353	2	-455894	13.5	93.4	0	+∞	Si
313	-481677	3	-481677	14.3	124.5	539.8	1837	-455894	2	-455894	13.5	93.4	0	+∞	Si
313	-482301	3	-482301	14.3	124.5	540.5	1837	-456478	2	-456478	13.5	93.4	0	+∞	Si
335	-576104	3	-525482	15.6	124.5	588.9	1837	-544154	2	-496867	14.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	1	-0.006	1	9999	Si
23	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	1	-0.006	1	9999	Si
45	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.01	1	-0.011	1	9999	Si
67	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.013	1	-0.014	1	9999	Si
89	-0.006	-0.008	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.016	1	-0.017	1	9999	Si
101	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.017	1	-0.018	1	9999	Si
123	-0.007	-0.009	-0.007	-0.009	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.018	1	-0.02	1	9999	Si
145	-0.008	-0.009	-0.008	-0.009	-0.008	-0.009	-0.008	-0.008	-0.008	-0.008	-0.019	1	-0.021	1	9999	Si
168	-0.008	-0.009	-0.008	-0.009	-0.008	-0.009	-0.008	-0.009	-0.008	-0.009	-0.019	1	-0.021	1	9999	Si
190	-0.008	-0.009	-0.008	-0.009	-0.008	-0.009	-0.008	-0.008	-0.008	-0.008	-0.019	1	-0.021	1	9999	Si
212	-0.007	-0.009	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.018	1	-0.02	1	9999	Si
235	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.017	1	-0.018	1	9999	Si
257	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.015	1	-0.016	1	9999	Si
268	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	1	-0.014	1	9999	Si
290	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.01	1	-0.011	1	9999	Si
313	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	1	-0.006	1	9999	Si
313	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.006	1	-0.006	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3676	16270	20007	SLV 3	0.37	718	1.003	-460941	-2076567	-1872764	SLV 1	0.25	295	0.697	No
45	3117	16270	20007	SLV 3	0.38	779	1.038	-460941	-2076567	-1872764	SLV 1	0.25	295	0.697	No
67	2553	16270	20007	SLV 3	0.39	844	1.072	-407575	-1877900	-1624529	SLV 1	0.24	266	0.668	No
89	1990	16270	20007	SLV 3	0.4	913	1.107	-340462	-1590689	-1374910	SLV 1	0.24	268	0.67	No
101	1708	16270	18673	SLV 3	0.38	788	1.042	-311625	-1447328	-971252	SLV 1	0.17	126	0.492	No
123	1144	16270	18673	SLV 3	0.39	853	1.077	-263390	-1161507	-971252	SLV 1	0.23	232	0.631	No
145	581	16270	18673	SLV 3	0.4	922	1.112	-227741	-878050	-971252	SLV 1	0.31	476	0.848	No
168	17	16270	18673	SLV 3	0.42	995	1.147	-204678	-599312	-971252	SLV 1	0.46	1329	1.292	Si
190	-546	-16270	-18673	SLV 13	0.4	926	1.114	-225952	-468856	-971252	SLV 13	0.57	2375	1.639	Si
212	-1110	-16270	-18673	SLV 13	0.39	857	1.079	-260823	-756065	-971252	SLV 13	0.34	612	0.94	No
235	-1673	-16270	-18673	SLV 13	0.38	792	1.045	-308281	-1043694	-971252	SLV 13	0.24	254	0.655	No
257	-2237	-16270	-20007	SLV 13	0.4	882	1.092	-368323	-1331545	-1499728	SLV 13	0.31	480	0.851	No
268	-2518	-16270	-20007	SLV 13	0.39	849	1.075	-403064	-1475524	-1624529	SLV 13	0.3	453	0.831	No
290	-3082	-16270	-20007	SLV 13	0.38	783	1.04	-455894	-1674515	-1872764	SLV 13	0.31	475	0.847	No
313	-3642	-16270	-20007	SLV 13	0.37	722	1.006	-455894	-1674515	-1872764	SLV 13	0.31	475	0.847	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3676	5714	20007	SLD 3	0.38	817	2.662	-460941	-918929	-1872764	SLD 1	0.21	200	1.495	Si
45	3117	5714	20007	SLD 3	0.4	886	2.752	-460941	-918929	-1872764	SLD 1	0.21	200	1.495	Si
67	2553	5714	20007	SLD 3	0.41	962	2.847	-407575	-831014	-1624529	SLD 1	0.2	181	1.435	Si
89	1990	5714	20007	SLD 3	0.42	1046	2.946	-340462	-703917	-1374910	SLD 1	0.2	182	1.438	Si
101	1708	5714	18673	SLD 3	0.4	897	2.766	-311625	-640477	-971252	SLD 1	0.14	87	1.063	Si
123	1144	5714	18673	SLD 3	0.41	971	2.857	-263390	-513994	-971252	SLD 1	0.19	158	1.357	Si
145	581	5714	18673	SLD 3	0.42	1058	2.96	-227741	-388558	-971252	SLD 1	0.26	324	1.822	Si
168	17	5714	18673	SLD 3	0.44	1149	3.062	-204678	-265210	-971252	SLD 1	0.39	840	2.693	Si
190	-546	-5714	-18673	SLD 13	0.42	1063	2.966	-225952	-207478	-971252	SLD 13	0.48	1480	3.397	Si
212	-1110	-5714	-18673	SLD 13	0.41	977	2.865	-260823	-334575	-971252	SLD 13	0.29	406	1.999	Si
235	-1673	-5714	-18673	SLD 13	0.4	901	2.771	-308281	-461857	-971252	SLD 13	0.2	173	1.409	Si
257	-2237	-5714	-20007	SLD 13	0.42	1007	2.9	-368323	-589237	-1499728	SLD 13	0.26	326	1.827	Si
268	-2518	-5714	-20007	SLD 13	0.41	966	2.851	-403064	-652952	-1624529	SLD 13	0.26	308	1.785	Si
290	-3082	-5714	-20007	SLD 13	0.4	891	2.759	-455894	-741010	-1872764	SLD 13	0.26	323	1.82	Si
313	-3642	-5714	-20007	SLD 13	0.39	822	2.669	-455894	-741010	-1872764	SLD 13	0.26	323	1.82	Si

Campata 3 tra i fili 60C - 61, sezione R 45x70, asta 683

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4						-1266594	SLU 30	-1162500	-1872764	0.089	Si
21	15.21	5.4	15.21	5.4						-1080125	SLU 30	-1079907	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4						-1067569	SLU 30	-1067569	-1872764	0.089	Si
42	15.21	5.4	15.21	5.4						-910058	SLU 30	-1067569	-1872764	0.089	Si
63	13.49	5.4	15.21	5.4						-756372	SLU 30	-973982	-1669667	0.086	Si
73	12.5	5.4	15.21	5.4						-685671	SLU 30	-891936	-1552406	0.085	Si
94	7.6	5.4	15.21	5.4						-556556	SLU 30	-740131	-971252	0.079	Si
115	7.6	5.4	15.21	5.4						-443821	SLU 30	-604707	-971252	0.079	Si
136	7.6	5.4	15.21	5.4						-348953	SLU 36	-485663	-971252	0.079	Si
157	7.6	5.4	15.21	5.4						-271291	SLU 36	-383310	-971252	0.079	Si
178	7.6	5.4	15.21	5.4						-216765	SLU 26	-299720	-971252	0.079	Si
199	7.6	5.4	15.21	5.4						-181121	SLU 24	-234641	-971252	0.079	Si
220	7.6	5.4	15.21	5.4						-159477	SLU 19	-193619	-971252	0.079	Si
231	7.6	5.4	15.21	5.4						-153253	SLU 19	-178075	-971252	0.079	Si
252	11.39	5.4	20.99	5.4						-149696	SLU 19	-164618	-1420596	0.084	Si
273	13.37	5.4	22.81	5.4						-157996	SLU 19	-176521	-1654974	0.085	Si
292	15.21	5.4	22.81	5.4						-176521	SLU 19	-176521	-1872416	0.087	Si
294	15.21	5.4	22.81	5.4						-178194	SLU 19	-178194	-1872416	0.087	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
315	15.21	5.4	22.81	5.4						-236921	SLU 20	-190904	-1872416	0.087	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	1394813	SLV 13	1282341	1872764	0.089	-3149951	SLV 3	-2896693	-1872764	0.089	No
21	15.21	5.4	15.21	5.4	1179504	SLV 13	1178846	1872764	0.089	-2682480	SLV 3	-2681529	-1872764	0.089	No
23	15.21	5.4	15.21	5.4	1163385	SLV 13	1163385	1872764	0.089	-2649385	SLV 3	-2649385	-1872764	0.089	No
42	15.21	5.4	15.21	5.4	953199	SLV 13	1163385	1872764	0.089	-2226269	SLV 3	-2649385	-1872764	0.089	No
63	13.49	5.4	15.21	5.4	716057	SLV 13	1041413	1872888	0.089	-1781448	SLV 3	-2400890	-1669667	0.086	No
73	12.5	5.4	15.21	5.4	593536	SLV 13	926271	1872965	0.089	-1563423	SLV 3	-2174850	-1552406	0.085	No
94	7.6	5.4	15.21	5.4	341377	SLV 15	687913	1873491	0.092	-1136928	SLV 1	-1731367	-971252	0.079	No
115	7.6	5.4	15.21	5.4	84825	SLV 15	439329	1873491	0.092	-728267	SLV 1	-1299885	-971252	0.079	No
136	7.6	5.4	15.21	5.4	-164043	SLV 11	240186	1873491	0.092	-349518	SLV 5	-883336	-971252	0.079	Si
157	7.6	5.4	15.21	5.4	91784	SLV 3	619244	1873491	0.092	-497691	SLV 13	-913244	-971252	0.079	Si
178	7.6	5.4	15.21	5.4	474697	SLV 3	987706	1873491	0.092	-795178	SLV 13	-1227068	-971252	0.079	No
199	7.6	5.4	15.21	5.4	847317	SLV 3	1345248	1873491	0.092	-1104600	SLV 13	-1552201	-971252	0.079	No
220	7.6	5.4	15.21	5.4	1209085	SLV 3	1691773	1873491	0.092	-1425397	SLV 13	-1888543	-971252	0.079	No
231	7.6	5.4	15.21	5.4	1385851	SLV 3	1860890	1873491	0.092	-1590013	SLV 13	-2060905	-971252	0.079	No
241	7.6	5.4	19.58	5.4	1559861	SLV 3	2027239	2391812	0.104	-1757430	SLV 13	-2236056	-971558	0.08	No
252	11.39	5.4	20.99	5.4	1731109	SLV 3	2190819	2558783	0.101	-1927642	SLV 13	-2413994	-1420596	0.084	No
273	13.37	5.4	22.81	5.4	2065304	SLV 3	2365289	2773221	0.102	-2276436	SLV 13	-2610261	-1654974	0.085	No
292	15.21	5.4	22.81	5.4	2365289	SLV 3	2365289	2773116	0.1	-2610261	SLV 13	-2610261	-1872416	0.087	No
294	15.21	5.4	22.81	5.4	2388378	SLV 3	2387364	2773116	0.1	-2636418	SLV 13	-2635790	-1872416	0.087	No
315	15.21	5.4	22.81	5.4	2677433	SLV 3	2535136	2773116	0.1	-3030466	SLV 13	-2806678	-1872416	0.087	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	127994	SLD 13	117465	1872764	0.089	-1883132	SLD 3	-1731817	-1872764	0.089	Si
21	15.21	5.4	15.21	5.4	103002	SLD 13	102793	1872764	0.089	-1605978	SLD 3	-1605475	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4	100601	SLD 13	100601	1872764	0.089	-1586601	SLD 3	-1586601	-1872764	0.089	Si
42	15.21	5.4	15.21	5.4	66941	SLD 13	100601	1872764	0.089	-1340010	SLD 3	-1586601	-1872764	0.089	Si
63	13.49	5.4	15.21	5.4	19887	SLD 13	81892	1872888	0.089	-1085278	SLD 3	-1441369	-1669667	0.086	Si
73	12.5	5.4	15.21	5.4	-7711	SLD 13	61851	1872965	0.089	-962176	SLD 3	-1310430	-1552406	0.085	Si
94	7.6	5.4	15.21	5.4	-70704	SLD 15	13548	1873491	0.092	-724847	SLD 1	-1057002	-971252	0.079	No
115	7.6	5.4	15.21	5.4						-501603	SLD 1	-815079	-971252	0.079	Si
136	7.6	5.4	15.21	5.4	-215759	SLD 11	2920	1873491	0.092	-297801	SLD 5	-585959	-971252	0.079	Si
157	7.6	5.4	15.21	5.4	-72523	SLD 3	192091	1873491	0.092	-333384	SLD 13	-486091	-971252	0.079	Si
178	7.6	5.4	15.21	5.4	120744	SLD 3	370375	1873491	0.092	-441224	SLD 13	-609738	-971252	0.079	Si
199	7.6	5.4	15.21	5.4	303255	SLD 3	537630	1873491	0.092	-560537	SLD 13	-744583	-971252	0.079	Si
220	7.6	5.4	15.21	5.4	474766	SLD 3	693813	1873491	0.092	-691078	SLD 13	-890584	-971252	0.079	Si
231	7.6	5.4	15.21	5.4	556376	SLD 3	767748	1873491	0.092	-760538	SLD 13	-967763	-971252	0.079	Si
252	11.39	5.4	20.99	5.4	711287	SLD 3	907293	2558783	0.101	-907820	SLD 13	-1130468	-1420596	0.084	Si
273	13.37	5.4	22.81	5.4	855107	SLD 3	978425	2773221	0.102	-1066239	SLD 13	-1223397	-1654974	0.085	Si
292	15.21	5.4	22.81	5.4	978425	SLD 3	978425	2773116	0.1	-1223397	SLD 13	-1223397	-1872416	0.087	Si
294	15.21	5.4	22.81	5.4	987787	SLD 3	987231	2773116	0.1	-1235827	SLD 13	-1235657	-1872416	0.087	Si
315	15.21	5.4	22.81	5.4	1086435	SLD 3	1046180	2773116	0.1	-1439468	SLD 13	-1317722	-1872416	0.087	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.49	0	9275	SLU 30	9275	11551	76908	0	11551	1	Si
21	0	11.51	0	8495	SLU 30	8495	10957	76908	0	10957	1	Si
23	0.23	11.51	0	8438	SLU 30	8438	10957	76908	26676	26676	1	Si
42	0.23	7.6	0	7713	SLU 30	7713	9541	76908	26676	26676	1	Si
63	0.23	7.6	0	6933	SLU 30	6933	9541	76908	26676	26676	1	Si
73	0.23	7.6	0	6542	SLU 30	6542	9541	76908	26676	26676	1	Si
94	0.217	7.6	0	5762	SLU 30	5762	9541	76908	25175	25175	1	Si
115	0.217	7.6	0	4981	SLU 30	4981	9541	76908	25175	25175	1	Si
136	0.217	7.6	0	4201	SLU 30	4201	9541	76908	25175	25175	1	Si
157	0.217	7.6	0	3420	SLU 30	3420	9541	76908	25175	25175	1	Si
178	0.217	7.6	0	2640	SLU 30	2640	9541	76908	25175	25175	1	Si
199	0.217	7.6	0	1867	SLU 36	1867	9541	76908	25175	25175	1	Si
220	0.217	7.6	0	1134	SLU 36	1134	9541	76908	25175	25175	1	Si
231	0.201	7.6	0	767	SLU 36	767	9541	76908	23342	23342	1	Si
252	0.201	7.6	0	120	SLU 17	120	9541	76908	23342	23342	1	Si
252	0.201	7.6	0	-179	SLU 20	-179	-9541	-76908	-23342	-23342	1	Si
273	0.201	7.6	0	-904	SLU 29	-904	-9541	-76908	-23342	-23342	1	Si
292	0.201	7.6	0	-1746	SLU 29	-1746	-9541	-76908	-23342	-23342	1	Si
294	0	7.6	0	-1822	SLU 29	-1822	-9541	-76908	0	-9541	1	Si
315	0	11.39	0	-5361	SLU 29	-5361	-10918	-76908	0	-10918	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.49	0	22551	SLV 3	26783	11551	76908	0	11551	1	Si
0	0	15.21	0	-10006	SLV 13	-14238	-12021	-76908	0	-12021	1	Si
21	0	11.51	0	22021	SLV 3	26254	10957	76908	0	10957	1	Si
21	0	15.21	0	-10536	SLV 13	-14768	-12021	-76908	0	-12021	1	Si
23	0.23	11.51	0	21983	SLV 3	26215	10957	76908	26676	26676	1	Si
23	0.23	15.21	0	-10574	SLV 13	-14806	-12021	-76908	-26676	-26676	1	Si
42	0.23	7.6	0	21491	SLV 3	25723	9541	76908	26676	26676	1	Si
42	0.23	15.21	0	-11066	SLV 13	-15298	-12021	-76908	-26676	-26676	1	Si
63	0.23	7.6	0	20961	SLV 3	25194	9541	76908	26676	26676	1	Si
63	0.23	15.21	0	-11595	SLV 13	-15828	-12021	-76908	-26676	-26676	1	Si
73	0.23	7.6	0	20697	SLV 3	24929	9541	76908	26676	26676	1	Si
73	0.23	15.21	0	-11860	SLV 13	-16093	-12021	-76908	-26676	-26676	1	Si
94	0.217	7.6	0	20167	SLV 3	24399	9541	76908	25175	25175	1	Si
94	0.217	15.21	0	-12390	SLV 13	-16622	-12021	-76908	-25175	-25175	1	Si
115	0.217	7.6	0	19638	SLV 3	23870	9541	76908	25175	25175	1	Si
115	0.217	15.21	0	-12919	SLV 13	-17152	-12021	-76908	-25175	-25175	1	Si
136	0.217	7.6	0	19108	SLV 3	23340	9541	76908	25175	25175	1	Si
136	0.217	7.6	0	-13449	SLV 13	-17681	-9541	-76908	-25175	-25175	1	Si
157	0.217	15.21	0	18578	SLV 3	22811	12021	76908	25175	25175	1	Si
157	0.217	7.6	0	-13978	SLV 13	-18211	-9541	-76908	-25175	-25175	1	Si
178	0.217	15.21	0	18049	SLV 3	22281	12021	76908	25175	25175	1	Si
178	0.217	7.6	0	-14508	SLV 13	-18740	-9541	-76908	-25175	-25175	1	Si
199	0.217	15.21	0	17519	SLV 3	21752	12021	76908	25175	25175	1	Si
199	0.217	7.6	0	-15038	SLV 13	-19270	-9541	-76908	-25175	-25175	1	Si
220	0.217	15.21	0	16990	SLV 3	21222	12021	76908	25175	25175	1	Si
220	0.217	7.6	0	-15567	SLV 13	-19799	-9541	-76908	-25175	-25175	1	Si
231	0.201	15.21	0	16725	SLV 3	20957	12021	76908	23342	23342	1	Si
231	0.201	7.6	0	-15832	SLV 13	-20064	-9541	-76908	-23342	-23342	1	Si
252	0.201	15.21	0	16195	SLV 3	20428	12021	76908	23342	23342	1	Si
252	0.201	7.6	0	-16361	SLV 13	-20594	-9541	-76908	-23342	-23342	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
273	0.201	15.21	0	15666	SLV 3	19898	12021	76908	23342	23342	1	Si
273	0.201	7.6	0	-16891	SLV 13	-21123	-9541	-76908	-23342	-23342	1	Si
292	0.201	15.21	0	15098	SLV 3	19330	12021	76908	23342	23342	1	Si
292	0.201	7.6	0	-17459	SLV 13	-21692	-9541	-76908	-23342	-23342	1	Si
294	0	15.21	0	15046	SLV 3	19279	12021	76908	0	12021	1	Si
294	0	7.6	0	-17510	SLV 13	-21743	-9541	-76908	0	-9541	1	Si
304	0	19.58	0	13744	SLV 3	17976	13078	76908	0	13078	1	Si
304	0	7.6	0	-18813	SLV 13	-23045	-9541	-76908	0	-9541	1	Si
315	0	20.99	0	12714	SLV 3	16946	13386	76908	0	13386	1	Si
315	0	11.39	0	-19843	SLV 13	-24075	-10918	-76908	0	-10918	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.49	0	13476	SLD 3	13476	11551	76908	0	11551	1	Si
0	0	15.21	0	-931	SLD 13	-931	-12021	-76908	0	-12021	1	Si
21	0	11.51	0	12946	SLD 3	12946	10957	76908	0	10957	1	Si
21	0	15.21	0	-1461	SLD 13	-1461	-12021	-76908	0	-12021	1	Si
23	0.23	11.51	0	12908	SLD 3	12908	10957	76908	26676	26676	1	Si
23	0.23	15.21	0	-1499	SLD 13	-1499	-12021	-76908	-26676	-26676	1	Si
42	0.23	7.6	0	12416	SLD 3	12416	9541	76908	26676	26676	1	Si
42	0.23	15.21	0	-1991	SLD 13	-1991	-12021	-76908	-26676	-26676	1	Si
63	0.23	7.6	0	11887	SLD 3	11887	9541	76908	26676	26676	1	Si
63	0.23	15.21	0	-2521	SLD 13	-2521	-12021	-76908	-26676	-26676	1	Si
73	0.23	7.6	0	11622	SLD 3	11622	9541	76908	26676	26676	1	Si
73	0.23	7.6	0	-2785	SLD 13	-2785	-9541	-76908	-26676	-26676	1	Si
94	0.217	7.6	0	11092	SLD 3	11092	9541	76908	25175	25175	1	Si
94	0.217	7.6	0	-3315	SLD 13	-3315	-9541	-76908	-25175	-25175	1	Si
115	0.217	7.6	0	10563	SLD 3	10563	9541	76908	25175	25175	1	Si
115	0.217	7.6	0	-3844	SLD 13	-3844	-9541	-76908	-25175	-25175	1	Si
136	0.217	7.6	0	10033	SLD 3	10033	9541	76908	25175	25175	1	Si
136	0.217	7.6	0	-4374	SLD 13	-4374	-9541	-76908	-25175	-25175	1	Si
157	0.217	7.6	0	9504	SLD 3	9504	9541	76908	25175	25175	1	Si
157	0.217	7.6	0	-4904	SLD 13	-4904	-9541	-76908	-25175	-25175	1	Si
178	0.217	15.21	0	8974	SLD 3	8974	12021	76908	25175	25175	1	Si
178	0.217	7.6	0	-5433	SLD 13	-5433	-9541	-76908	-25175	-25175	1	Si
199	0.217	15.21	0	8444	SLD 3	8444	12021	76908	25175	25175	1	Si
199	0.217	7.6	0	-5963	SLD 13	-5963	-9541	-76908	-25175	-25175	1	Si
220	0.217	15.21	0	7915	SLD 3	7915	12021	76908	25175	25175	1	Si
220	0.217	7.6	0	-6492	SLD 13	-6492	-9541	-76908	-25175	-25175	1	Si
231	0.201	15.21	0	7650	SLD 3	7650	12021	76908	23342	23342	1	Si
231	0.201	7.6	0	-6757	SLD 13	-6757	-9541	-76908	-23342	-23342	1	Si
252	0.201	15.21	0	7121	SLD 3	7121	12021	76908	23342	23342	1	Si
252	0.201	7.6	0	-7287	SLD 13	-7287	-9541	-76908	-23342	-23342	1	Si
273	0.201	15.21	0	6591	SLD 3	6591	12021	76908	23342	23342	1	Si
273	0.201	7.6	0	-7816	SLD 13	-7816	-9541	-76908	-23342	-23342	1	Si
292	0.201	15.21	0	6023	SLD 3	6023	12021	76908	23342	23342	1	Si
292	0.201	7.6	0	-8384	SLD 13	-8384	-9541	-76908	-23342	-23342	1	Si
294	0	15.21	0	5972	SLD 3	5972	12021	76908	0	12021	1	Si
294	0	7.6	0	-8436	SLD 13	-8436	-9541	-76908	0	-9541	1	Si
315	0	20.99	0	3639	SLD 3	3639	13386	76908	0	13386	1	Si
315	0	11.39	0	-10768	SLD 13	-10768	-10918	-76908	0	-10918	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-933939	3	-857867	25.5	124.5	961.5	1837	-877569	2	-807176	24	93.4	0	+∞	Si
21	-797677	3	-797518	23.7	124.5	893.8	1837	-751488	2	-751341	22.3	93.4	0	+∞	Si
23	-788503	3	-788503	23.4	124.5	883.7	1837	-743000	2	-743000	22.1	93.4	0	+∞	Si
42	-673422	3	-788503	23.4	124.5	883.7	1837	-636535	2	-743000	22.1	93.4	0	+∞	Si
63	-561160	3	-720124	22.3	124.5	906	1837	-532696	2	-679739	21	93.4	0	+∞	Si
73	-509526	3	-660184	21	124.5	894.1	1837	-484944	2	-624290	19.8	93.4	0	+∞	Si
94	-415252	3	-549299	11.8	124.5	187.2	1837	-397775	2	-521727	20	93.4	0	+∞	Si
115	-332970	3	-450406	9.7	124.5	153.5	1837	-321721	2	-430278	16.5	93.4	0	+∞	Si
136	-263672	9	-363506	7.8	124.5	123.9	1837	-256780	2	-349943	13.4	93.4	0	+∞	Si
157	-206916	9	-288805	6.2	124.5	98.4	1837	-202953	2	-280722	10.7	93.4	0	+∞	Si
178	-165545	8	-227684	4.9	124.5	77.6	1837	-163713	1	-222615	8.5	93.4	0	+∞	Si
199	-135717	6	-179975	3.9	124.5	61.3	1837	-135516	1	-177403	6.8	93.4	0	+∞	Si
220	-117115	1	-146203	3.1	124.5	49.8	1837	-117115	1	-145433	5.6	93.4	0	+∞	Si
231	-111588	1	-133153	2.9	124.5	45.4	1837	-111588	1	-133121	5.1	93.4	0	+∞	Si
252	-107881	1	-119146	3.7	124.5	176.1	1837	-107881	1	-119146	3.7	93.4	0	+∞	Si
273	-113971	1	-128564	3.7	124.5	162.5	1837	-113971	1	-128564	3.7	93.4	0	+∞	Si
292	-128564	1	-128564	3.5	124.5	143.4	1837	-128564	1	-128564	3.5	93.4	0	+∞	Si
294	-129891	1	-129891	3.5	124.5	144.9	1837	-129891	1	-129891	3.5	93.4	0	+∞	Si
315	-177563	2	-140056	3.8	124.5	156.2	1837	-176516	2	-140056	3.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
23	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.008	1	9999	Si
42	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.012	1	9999	Si
63	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.015	1	-0.016	1	9999	Si
73	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.016	1	-0.017	1	9999	Si
94	-0.008	-0.008	-0.007	-0.008	-0.008	-0.008	-0.007	-0.008	-0.008	-0.008	-0.018	1	-0.019	1	9999	Si
115	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.019	1	-0.02	1	9999	Si
126	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.019	1	-0.02	1	9999	Si
136	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.019	1	-0.02	1	9999	Si
157	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.018	1	-0.019	1	9999	Si
178	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.017	1	-0.017	1	9999	Si
199	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.015	1	-0.015	1	9999	Si
220	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.013	1	-0.013	1	9999	Si
231	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	2	-0.012	2	9999	Si
252	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	2	-0.009	2	9999	Si
273	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.007	2	9999	Si
292	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.004	2	-0.004	2	9999	Si
294	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5705	20511	26676	SLV 3	0.37	751	1.022	-743000	-1906385	-1872764	SLV 3	0.22	219	0.617	No
42	5213	20511	26676	SLV 3	0.38	795	1.046	-743000	-1906385	-1872764	SLV 3	0.22	219	0.617	No
63	4683	20511	26676	SLV 3	0.39	843	1.072	-679739	-1721152	-1669667	SLV 3	0.22	205	0.6	No
73	4418	20511	26676	SLV 3	0.39	868	1.085	-624290	-1550560	-1552406	SLV 3	0.22	223	0.621	No
94	3889	20511	25175	SLV 3	0.38	779	1.038	-521727	-1209640	-971252	SLV 3	0.14	84	0.416	No
115	3359	20511	25175	SLV 3	0.39	827	1.063	-430278	-869607	-971252	SLV 1	0.23	243	0.644	No
136	2830	20511	25175	SLV 3	0.4	877	1.089	-349943	-533393	-971252	SLV 1	0.42	1037	1.167	Si
157	2300	20511	25175	SLV 3	0.4	928	1.115	-147000	-766244	-971252	SLV 13	0.39	850	1.075	Si
178	1770	20511	25175	SLV 3	0.41	982	1.141	-119681	-1107387	-971252	SLV 13	0.28	386	0.778	No
199	1241	20511	25175	SLV 3	0.42	1042	1.169	-103476	-1448724	-971252	SLV 13	0.22	224	0.622	No
220	711	20511	25175	SLV 3	0.43	1104	1.197	-98385	-1790158	-971252	SLV 13	0.18	145	0.521	No
231	447	20511	23342	SLV 3	0.4	930	1.116	-100008	-1960897	-971252	SLV 13	0.17	120	0.482	No
252	-83	-20511	-23342	SLV 13	0.41	967	1.134	-111587	-2302407	-1420596	SLV 13	0.21	200	0.594	No
273	-613	-20511	-23342	SLV 13	0.4	914	1.108	-122486	-2487775	-1654974	SLV 13	0.23	238	0.638	No
292	-1181	-20511	-23342	SLV 13	0.39	859	1.08	-122486	-2487775	-1872416	SLV 13	0.26	318	0.719	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5705	7204	26676	SLD 3	0.39	855	2.712	-743000	-843601	-1872764	SLD 3	0.19	149	1.325	Si
42	5213	7204	26676	SLD 3	0.4	905	2.776	-743000	-843601	-1872764	SLD 3	0.19	149	1.325	Si
63	4683	7204	26676	SLD 3	0.41	960	2.844	-679739	-761631	-1669667	SLD 3	0.18	141	1.295	Si
73	4418	7204	26676	SLD 3	0.41	991	2.881	-624290	-686140	-1552406	SLD 3	0.19	153	1.34	Si
94	3889	7204	25175	SLD 3	0.4	886	2.752	-521727	-535275	-971252	SLD 3	0.12	59	0.906	No
115	3359	7204	25175	SLD 3	0.41	941	2.821	-430278	-384801	-971252	SLD 1	0.2	166	1.385	Si
136	2830	7204	25175	SLD 3	0.42	1001	2.893	-349943	-236016	-971252	SLD 1	0.36	669	2.453	Si
157	2300	7204	25175	SLD 3	0.43	1067	2.97	-147000	-339091	-971252	SLD 13	0.33	551	2.265	Si
178	1770	7204	25175	SLD 3	0.43	1134	3.045	-119681	-490056	-971252	SLD 13	0.24	262	1.67	Si
199	1241	7204	25175	SLD 3	0.44	1203	3.12	-103476	-641106	-971252	SLD 13	0.19	153	1.34	Si
220	711	7204	25175	SLD 3	0.45	1276	3.196	-98385	-792199	-971252	SLD 13	0.15	100	1.125	Si
231	447	7204	23342	SLD 3	0.43	1068	2.971	-100008	-867755	-971252	SLD 13	0.14	84	1.048	Si
252	-83	-7204	-23342	SLD 13	0.43	1115	3.024	-111587	-1018881	-1420596	SLD 13	0.18	138	1.284	Si
273	-613	-7204	-23342	SLD 13	0.42	1048	2.948	-122486	-1100911	-1654974	SLD 13	0.19	163	1.375	Si
292	-1181	-7204	-23342	SLD 13	0.41	978	2.866	-122486	-1100911	-1872416	SLD 13	0.22	215	1.54	Si

Campata 4 tra i fili 61 - 62, sezione R 45x70, asta 684

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	5.4						-1432226	SLU 30	-1228489	-1872416	0.087	Si
23	15.21	5.4	22.81	5.4						-1038420	SLU 30	-1038420	-1872416	0.087	Si
26	14.89	5.4	22.81	5.4						-981281	SLU 30	-1038420	-1835041	0.087	Si
52	12.45	5.4	17.41	5.4						-581278	SLU 35	-1036323	-1546493	0.085	Si
78	7.6	5.4	7.41	5.4	-129881	SLU 11	179184	947383	0.076	-268028	SLU 26	-627840	-970014	0.076	Si
90	7.6	5.4	7.6	5.4	11929	SLU 11	329812	970067	0.076	-124071	SLU 26	-457953	-970067	0.076	Si
116	7.6	5.4	7.6	5.4	294042	SLU 29	602424	970067	0.076	120348	SLU 8	-159980	-970067	0.076	Si
142	7.6	5.4	7.6	5.4	571398	SLU 30	836756	970067	0.076						Si
155	7.6	5.4	7.6	5.4	695779	SLU 30	939480	970067	0.076						Si
168	7.6	5.4	12.31	5.4	810533	SLU 30	1032577	1529224	0.085						Si
194	7.6	5.4	15.21	5.4	1011157	SLU 30	1189887	1873491	0.092						Si
220	7.6	5.4	15.21	5.4	1173271	SLU 30	1308687	1873491	0.092						Si
246	7.6	5.4	15.21	5.4	1296873	SLU 30	1388975	1873491	0.092						Si
271	7.6	5.4	15.21	5.4	1381965	SLU 30	1430753	1873491	0.092						Si
297	7.6	5.4	15.21	5.4	1428546	SLU 30	1437398	1873491	0.092						Si
318	7.6	5.4	15.21	5.4	1437398	SLU 30	1437398	1873491	0.092						Si
336	7.6	5.4	15.21	5.4	1435888	SLU 36	1435888	1873491	0.092						Si
362	7.6	5.4	15.21	5.4	1438221	SLU 36	1438221	1873491	0.092						Si
388	7.6	5.4	15.21	5.4	1433715	SLU 36	1433715	1873491	0.092						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	5.4						-1742841	SLV 1	-1559281	-1872416	0.087	Si
23	15.21	5.4	22.81	5.4	-149489	SLV 15	74276	2773116	0.1	-1384746	SLV 1	-1384746	-1872416	0.087	Si
26	14.89	5.4	22.81	5.4	-121522	SLV 15	97306	2773184	0.101	-1332447	SLV 1	-1384746	-1835041	0.087	Si
52	12.45	5.4	17.41	5.4	75180	SLV 15	265084	2134770	0.093	-947888	SLV 1	-1382826	-1546493	0.085	Si
78	7.6	5.4	7.41	5.4	246161	SLV 15	407206	947383	0.076	-589192	SLV 1	-995045	-970014	0.076	No
90	7.6	5.4	7.6	5.4	322021	SLV 15	468688	970067	0.076	-419557	SLV 1	-810849	-970067	0.076	Si
116	7.6	5.4	7.6	5.4	454541	SLV 15	572742	970067	0.076	-99773	SLV 1	-461871	-970067	0.076	Si
142	7.6	5.4	7.6	5.4	561685	SLV 15	675954	970067	0.076	193804	SLV 1	-138845	-970067	0.076	Si
168	7.6	5.4	12.31	5.4	661811	SLV 11	798577	1529224	0.085						Si
194	7.6	5.4	15.21	5.4	781811	SLV 7	978939	1873491	0.092						Si
220	7.6	5.4	15.21	5.4	955803	SLV 3	1155904	1873491	0.092						Si
246	7.6	5.4	15.21	5.4	1135594	SLV 3	1310593	1873491	0.092						Si
271	7.6	5.4	15.21	5.4	1292996	SLV 1	1443180	1873491	0.092						Si
297	7.6	5.4	15.21	5.4	1428457	SLV 1	1518658	1873491	0.092						Si
318	7.6	5.4	15.21	5.4	1518658	SLV 1	1518658	1873491	0.092						Si
336	7.6	5.4	15.21	5.4	1592483	SLV 1	1585821	1873491	0.092						Si
362	7.6	5.4	15.21	5.4	1692056	SLV 1	1646239	1873491	0.092						Si
388	7.6	5.4	15.21	5.4	1786660	SLV 1	1666379	1873491	0.092						Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	5.4						-1352644	SLD 1	-1191863	-1872416	0.087	Si
23	15.21	5.4	22.81	5.4						-1040179	SLD 1	-1040179	-1872416	0.087	Si
26	14.89	5.4	22.81	5.4						-994665	SLD 1	-1040179	-1835041	0.087	Si
52	12.45	5.4	17.41	5.4	-210211	SLD 15	38567	2134770	0.093	-662497	SLD 1	-1038508	-1546493	0.085	Si
78	7.6	5.4	7.41	5.4	13121	SLD 15	232955	947383	0.076	-356152	SLD 1	-703121	-970014	0.076	Si
90	7.6	5.4	7.6	5.4	115132	SLD 15	320517	970067	0.076	-212668	SLD 1	-545109	-970067	0.076	Si
116	7.6	5.4	7.6	5.4	299875	SLD 15	476487	970067	0.076	54893	SLD 1	-248459	-970067	0.076	Si
142	7.6	5.4	7.6	5.4	459006	SLD 15	617779	970067	0.076						Si
168	7.6	5.4	12.31	5.4	600730	SLD 11	753220	1529224	0.085						Si
194	7.6	5.4	15.21	5.4	736797	SLD 7	899814	1873491	0.092						Si
220	7.6	5.4	15.21	5.4	882371	SLD 3	1030499	1873491	0.092						Si
246	7.6	5.4	15.21	5.4	1016101	SLD 3	1136941	1873491	0.092						Si
271	7.6	5.4	15.21	5.4	1125538	SLD 1	1219223	1873491	0.092						Si
297	7.6	5.4	15.21	5.4	1210884	SLD 1	1260441	1873491	0.092						Si
318	7.6	5.4	15.21	5.4	1260441	SLD 1	1260441	1873491	0.092						Si
336	7.6	5.4	15.21	5.4	1297600	SLD 1	1295281	1873491	0.092						Si
362	7.6	5.4	15.21	5.4	1345111	SLD 1	1326622	1873491	0.092						Si
388	7.6	5.4	15.21	5.4	1387491	SLD 1	1337069	1873491	0.092						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.24	0	18192	SLU 30	18192	10868	76908	0	10868	1	Si
13	0	7.6	0	17447	SLU 30	17447	9541	76908	0	9541	1	Si
23	0.158	7.6	0	16895	SLU 30	16895	9541	76908	18340	18340	1	Si
26	0.158	7.6	0	16702	SLU 30	16702	9541	76908	18340	18340	1	Si
52	0.158	7.6	0	15212	SLU 30	15212	9541	76908	18340	18340	1	Si
78	0.158	7.6	0	13722	SLU 30	13722	9541	76908	18340	18340	1	Si
90	0.158	7.6	0	12977	SLU 30	12977	9541	76908	18340	18340	1	Si
116	0.117	14.05	0	11487	SLU 30	11487	11707	76908	13536	13536	1	Si
142	0.117	7.41	0	9997	SLU 30	9997	9461	76908	13536	13536	1	Si
168	0.117	7.6	0	8507	SLU 30	8507	9541	76908	13536	13536	1	Si
194	0.117	7.6	0	7061	SLU 36	7061	9541	76908	13536	13536	1	Si
220	0.117	7.6	0	5729	SLU 35	5729	9541	76908	13536	13536	1	Si
246	0.117	14.05	0	4647	SLU 26	4647	11707	76908	13536	13536	1	Si
271	0.072	15.21	0	3608	SLU 26	3608	12021	76908	8336	12021	1	Si
297	0.072	15.21	0	2570	SLU 26	2570	12021	76908	8336	12021	1	Si
318	0.072	15.21	0	1848	SLU 26	1848	12021	76908	8336	12021	1	Si
318	0.072	15.21	0	-484	SLU 11	-484	-12021	-76908	-8336	-12021	1	Si
336	0	15.21	0	1571	SLU 26	1571	12021	76908	0	12021	1	Si
336	0	15.21	0	-753	SLU 11	-753	-12021	-76908	0	-12021	1	Si
362	0	15.21	0	1306	SLU 26	1306	12021	76908	0	12021	1	Si
362	0	15.21	0	-956	SLU 11	-956	-12021	-76908	0	-12021	1	Si
388	0	15.21	0	1042	SLU 26	1042	12021	76908	0	12021	1	Si
388	0	15.21	0	-1160	SLU 11	-1160	-12021	-76908	0	-12021	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.24	0	16383	SLV 1	17330	10868	76908	0	10868	1	Si
13	0	7.6	0	15884	SLV 1	16831	9541	76908	0	9541	1	Si
23	0.158	7.6	0	15514	SLV 1	16461	9541	76908	18340	18340	1	Si
26	0.158	7.6	0	15385	SLV 1	16332	9541	76908	18340	18340	1	Si
52	0.158	7.6	0	14387	SLV 1	15334	9541	76908	18340	18340	1	Si
78	0.158	7.6	0	13389	SLV 1	14336	9541	76908	18340	18340	1	Si
90	0.158	7.6	0	12890	SLV 1	13837	9541	76908	18340	18340	1	Si
116	0.117	7.6	0	11893	SLV 1	12839	9541	76908	13536	13536	1	Si
142	0.117	7.41	0	10895	SLV 1	11842	9461	76908	13536	13536	1	Si
168	0.117	7.6	0	9897	SLV 1	10844	9541	76908	13536	13536	1	Si
194	0.117	7.6	0	8899	SLV 1	9846	9541	76908	13536	13536	1	Si
220	0.117	7.6	0	7901	SLV 1	8848	9541	76908	13536	13536	1	Si
220	0.117	7.6	0	618	SLV 15	-329	-9541	-76908	-13536	-13536	1	Si
246	0.117	14.05	0	6903	SLV 1	7850	11707	76908	13536	13536	1	Si
246	0.117	14.05	0	-380	SLV 15	-1327	-11707	-76908	-13536	-13536	1	Si
271	0.072	15.21	0	5905	SLV 1	6852	12021	76908	8336	12021	1	Si
271	0.072	15.21	0	-1378	SLV 15	-2325	-12021	-76908	-8336	-12021	1	Si
297	0.072	15.21	0	4907	SLV 1	5854	12021	76908	8336	12021	1	Si
297	0.072	15.21	0	-2376	SLV 15	-3323	-12021	-76908	-8336	-12021	1	Si
318	0.072	15.21	0	4221	SLV 1	5167	12021	76908	8336	12021	1	Si
318	0.072	15.21	0	-3063	SLV 15	-4010	-12021	-76908	-8336	-12021	1	Si
336	0	15.21	0	3985	SLV 1	4931	12021	76908	0	12021	1	Si
336	0	15.21	0	-3299	SLV 15	-4246	-12021	-76908	0	-12021	1	Si
362	0	15.21	0	3781	SLV 1	4728	12021	76908	0	12021	1	Si
362	0	15.21	0	-3502	SLV 15	-4449	-12021	-76908	0	-12021	1	Si
388	0	15.21	0	3578	SLV 1	4524	12021	76908	0	12021	1	Si
388	0	15.21	0	-3706	SLV 15	-4653	-12021	-76908	0	-12021	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.24	0	14352	SLD 1	14352	10868	76908	0	10868	1	Si
13	0	7.6	0	13853	SLD 1	13853	9541	76908	0	9541	1	Si
23	0.158	7.6	0	13483	SLD 1	13483	9541	76908	18340	18340	1	Si
26	0.158	7.6	0	13354	SLD 1	13354	9541	76908	18340	18340	1	Si
52	0.158	7.6	0	12356	SLD 1	12356	9541	76908	18340	18340	1	Si
78	0.158	7.6	0	11358	SLD 1	11358	9541	76908	18340	18340	1	Si
90	0.158	7.6	0	10859	SLD 1	10859	9541	76908	18340	18340	1	Si
116	0.117	14.05	0	9861	SLD 1	9861	11707	76908	13536	13536	1	Si
142	0.117	7.41	0	8863	SLD 1	8863	9461	76908	13536	13536	1	Si
168	0.117	7.6	0	7866	SLD 1	7866	9541	76908	13536	13536	1	Si
194	0.117	7.6	0	6868	SLD 1	6868	9541	76908	13536	13536	1	Si
220	0.117	7.6	0	5870	SLD 1	5870	9541	76908	13536	13536	1	Si
246	0.117	14.05	0	4872	SLD 1	4872	11707	76908	13536	13536	1	Si
271	0.072	15.21	0	3874	SLD 1	3874	12021	76908	8336	12021	1	Si
297	0.072	15.21	0	2876	SLD 1	2876	12021	76908	8336	12021	1	Si
297	0.072	15.21	0	-345	SLD 15	-345	-12021	-76908	-8336	-12021	1	Si
318	0.072	15.21	0	2189	SLD 1	2189	12021	76908	8336	12021	1	Si
318	0.072	15.21	0	-1031	SLD 15	-1031	-12021	-76908	-8336	-12021	1	Si
336	0	15.21	0	1953	SLD 1	1953	12021	76908	0	12021	1	Si
336	0	15.21	0	-1267	SLD 15	-1267	-12021	-76908	0	-12021	1	Si
362	0	15.21	0	1750	SLD 1	1750	12021	76908	0	12021	1	Si
362	0	15.21	0	-1471	SLD 15	-1471	-12021	-76908	0	-12021	1	Si
388	0	15.21	0	1546	SLD 1	1546	12021	76908	0	12021	1	Si
388	0	15.21	0	-1675	SLD 15	-1675	-12021	-76908	0	-12021	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1077056	3	-926128	25.2	124.5	1032.8	1837	-1043405	2	-900684	24.5	93.4	0	+∞	Si
23	-785157	3	-785157	21.3	124.5	875.6	1837	-767117	2	-767117	20.8	93.4	0	+∞	Si
26	-742786	3	-785157	21.5	124.5	893.6	1837	-726984	2	-767117	21	93.4	0	+∞	Si
52	-444860	8	-783602	24.3	124.5	1064	1837	-437492	1	-765644	23.7	93.4	0	+∞	Si
78	-197196	8	-479726	11.3	124.5	169.6	1837	-192161	1	-471798	20	93.4	0	+∞	Si
90	-81761	8	-349816	8.2	124.5	123.6	1837	-77893	1	-343323	14.5	93.4	0	+∞	Si
116	206409	2	437553	10.3	124.5	154.6	1837	177384	2	400321	16.9	93.4	0	+∞	Si
142	414233	3	614016	14.5	124.5	216.9	1837	377744	2	571674	24.2	93.4	0	+∞	Si
168	594195	3	762423	26.9	124.5	1054.9	1837	552314	2	717235	25.3	93.4	0	+∞	Si
194	746101	3	882774	28.9	124.5	996.8	1837	701092	2	837005	27.4	93.4	0	+∞	Si
220	869951	3	975068	32	124.5	1101	1837	824079	2	930984	30.5	93.4	0	+∞	Si
246	965745	3	1039308	34.1	124.5	1173.5	1837	921274	2	999172	32.8	93.4	0	+∞	Si
271	1033484	3	1075491	35.3	124.5	1214.4	1837	992679	2	1041568	34.2	93.4	0	+∞	Si
297	1073166	3	1084161	35.5	124.5	1224.2	1837	1038292	2	1055624	34.6	93.4	0	+∞	Si
318	1084161	3	1084161	35.5	124.5	1224.2	1837	1055624	2	1055624	34.6	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
336	1086976	9	1086976	35.6	124.5	1227.3	1837	1063712	2	1063712	34.9	93.4	0	+∞	Si
362	1093259	9	1093259	35.8	124.5	1234.4	1837	1069946	2	1069946	35.1	93.4	0	+∞	Si
388	1094282	9	1094282	35.9	124.5	1235.6	1837	1070919	2	1070919	35.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.006	2	0.004	2	9999	Si
26	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.007	2	0.005	2	9999	Si
52	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.016	2	0.013	2	9999	Si
78	0.012	0.01	0.011	0.009	0.012	0.01	0.01	0.009	0.011	0.01	0.027	2	0.022	2	9999	Si
90	0.015	0.012	0.013	0.011	0.014	0.012	0.012	0.011	0.014	0.012	0.032	2	0.027	2	9999	Si
116	0.02	0.017	0.018	0.015	0.019	0.017	0.017	0.015	0.019	0.017	0.044	2	0.038	2	8831	Si
142	0.025	0.021	0.022	0.018	0.024	0.021	0.021	0.018	0.023	0.021	0.055	2	0.047	2	7090	Si
168	0.029	0.025	0.026	0.022	0.028	0.025	0.024	0.022	0.027	0.025	0.064	2	0.056	2	6076	Si
194	0.032	0.027	0.028	0.024	0.031	0.027	0.027	0.024	0.03	0.027	0.071	2	0.062	2	5489	Si
220	0.033	0.029	0.03	0.026	0.032	0.029	0.029	0.026	0.032	0.029	0.075	2	0.066	2	5197	Si
233	0.033	0.029	0.03	0.026	0.032	0.029	0.029	0.026	0.032	0.029	0.075	2	0.066	2	5144	Si
246	0.033	0.029	0.03	0.026	0.032	0.029	0.029	0.026	0.031	0.029	0.075	2	0.066	2	5153	Si
271	0.031	0.027	0.028	0.025	0.03	0.027	0.027	0.025	0.03	0.027	0.072	2	0.063	2	5374	Si
297	0.027	0.024	0.025	0.022	0.026	0.024	0.024	0.022	0.026	0.024	0.065	2	0.057	2	5961	Si
318	0.023	0.02	0.022	0.019	0.022	0.02	0.021	0.019	0.022	0.02	0.056	2	0.049	2	6872	Si
336	0.018	0.016	0.017	0.015	0.017	0.016	0.016	0.015	0.017	0.016	0.046	2	0.039	2	8450	Si
362	0.009	0.008	0.01	0.008	0.009	0.008	0.009	0.008	0.009	0.008	0.026	2	0.022	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	11873	4588	18340	SLV 1	0.5	1720	1.436	-767117	-617628	-1872416	SLV 1	0.57	2474	1.666	Si
26	11743	4588	18340	SLV 1	0.51	1815	1.468	-767117	-617628	-1835041	SLV 1	0.57	2474	1.666	Si
52	10746	4588	18340	SLV 1	0.57	2474	1.666	-765644	-617182	-1546493	SLV 1	0.46	1291	1.276	Si
78	9748	4588	18340	SLV 1	0.57	2474	1.666	-471798	-523247	-970014	SLV 1	0.35	632	0.952	No
90	9249	4588	18340	SLV 1	0.57	2474	1.666	-334546	-476303	-970067	SLV 1	0.48	1486	1.352	Si
116	8251	4588	13536	SLV 1	0.42	1007	1.153	-79386	-382485	-970067	SLV 1	0.57	2474	1.666	Si
142	7253	4588	13536	SLV 1	0.49	1593	1.391	149982	288827	970067	SLV 15	0.57	2474	1.666	Si
168	6255	4588	13536	SLV 1	0.56	2363	1.635	353560	195546	1529224	SLV 15	0.57	2474	1.666	Si
194	5257	4588	13536	SLV 1	0.57	2474	1.666	837005	141934	1873491	SLV 3	0.57	2474	1.666	Si
220	4259	4588	13536	SLV 1	0.57	2474	1.666	930984	224920	1873491	SLV 3	0.57	2474	1.666	Si
246	3262	4588	13536	SLV 1	0.57	2474	1.666	999172	311422	1873491	SLV 1	0.57	2474	1.666	Si
271	2264	4588	12021	SLV 1	0.57	2474	1.666	1041568	401612	1873491	SLV 1	0.57	2474	1.666	Si
297	1266	4588	12021	SLV 1	0.57	2474	1.666	1055624	463033	1873491	SLV 1	0.57	2474	1.666	Si
318	579	4588	12021	SLV 1	0.57	2474	1.666	1055624	463033	1873491	SLV 1	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	11873	1610	18340	SLD 1	0.53	1994	3.838	-767117	-273061	-1872416	SLD 1	0.54	2036	3.871	Si
26	11743	1610	18340	SLD 1	0.54	2102	3.922	-767117	-273061	-1835041	SLD 1	0.52	1857	3.728	Si
52	10746	1610	18340	SLD 1	0.6	2474	4.193	-765644	-272864	-1546493	SLD 1	0.38	819	2.665	Si
78	9748	1610	18340	SLD 1	0.6	2474	4.193	-471798	-231323	-970014	SLD 1	0.29	418	2.023	Si
90	9249	1610	18340	SLD 1	0.6	2474	4.193	-334546	-210563	-970067	SLD 1	0.41	933	2.811	Si
116	8251	1610	13536	SLD 1	0.44	1165	3.079	-79386	-169073	-970067	SLD 1	0.6	2474	4.193	Si
142	7253	1610	13536	SLD 1	0.52	1845	3.718	149982	127652	970067	SLD 15	0.6	2474	4.193	Si
168	6255	1610	13536	SLD 1	0.59	2474	4.193	353560	86395	1529224	SLD 15	0.6	2474	4.193	Si
194	5257	1610	13536	SLD 1	0.6	2474	4.193	837005	62809	1873491	SLD 3	0.6	2474	4.193	Si
220	4259	1610	13536	SLD 1	0.6	2474	4.193	930984	99515	1873491	SLD 3	0.6	2474	4.193	Si
246	3262	1610	13536	SLD 1	0.6	2474	4.193	999172	137769	1873491	SLD 1	0.6	2474	4.193	Si
271	2264	1610	12021	SLD 1	0.6	2474	4.193	1041568	177654	1873491	SLD 1	0.6	2474	4.193	Si
297	1266	1610	12021	SLD 1	0.6	2474	4.193	1055624	204817	1873491	SLD 1	0.53	1963	3.813	Si
318	579	1610	12021	SLD 1	0.6	2474	4.193	1055624	204817	1873491	SLD 1	0.53	1963	3.813	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" 60B-36A

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 60B - 49B, sezione R 45x70, asta 692

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4						-376087	SLU 24	-330545	-1873055	0.09	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
23	15.21	5.4	11.4	5.4						-286827	SLU 24	-286827	-1873055	0.09	Si
58	15.21	5.4	11.4	5.4						-153381	SLU 24	-260025	-1873055	0.09	Si
117	12.43	5.4	11.4	5.4	59767	SLU 30	138948	1422094	0.084	28406	SLU 6	-54794	-1543376	0.085	Si
175	7.6	5.4	11.4	5.4	209947	SLU 30	271768	1422093	0.084						Si
204	7.6	5.4	11.4	5.4	271973	SLU 30	325114	1422093	0.084						Si
262	7.6	5.4	11.4	5.4	369899	SLU 30	405680	1422093	0.084						Si
321	7.6	5.4	11.4	5.4	432989	SLU 30	451410	1422093	0.084						Si
379	7.6	5.4	11.4	5.4	461243	SLU 30	462303	1422093	0.084						Si
437	7.6	5.4	11.4	5.4	454661	SLU 30	462281	1422093	0.084						Si
496	7.6	5.4	11.4	5.4	413243	SLU 30	438224	1422093	0.084						Si
554	7.6	5.4	11.4	5.4	336990	SLU 30	379330	1422093	0.084						Si
612	7.6	5.4	11.4	5.4	225900	SLU 29	285601	1422093	0.084						Si
642	7.6	5.4	11.4	5.4	157768	SLU 25	225672	1422093	0.084						Si
700	7.6	5.4	11.4	5.4	-2394	SLU 6	81535	1422093	0.084	-6052	SLU 30	-100474	-970824	0.078	Si
758	7.6	5.4	11.4	5.4						-204232	SLU 30	-316013	-970824	0.078	Si
787	7.6	5.4	11.4	5.4						-316385	SLU 30	-436847	-970824	0.078	Si
817	11.83	5.4	11.4	5.4						-437247	SLU 30	-566389	-1472343	0.084	Si
852	15.21	5.4	11.4	5.4						-598426	SLU 30	-598426	-1873055	0.09	Si
875	15.21	5.4	11.4	5.4						-705099	SLU 30	-650850	-1873055	0.09	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	1703689	SLV 7	1691933	1422107	0.084	-2254474	SLV 9	-2173151	-1873055	0.09	No
23	15.21	5.4	11.4	5.4	1678654	SLV 7	1678654	1422107	0.084	-2093110	SLV 9	-2093110	-1873055	0.09	No
58	15.21	5.4	11.4	5.4	1632108	SLV 7	1671106	1422107	0.084	-1842847	SLV 9	-2044628	-1873055	0.09	No
117	12.43	5.4	11.4	5.4	1533855	SLV 7	1586138	1422094	0.084	-1458142	SLV 9	-1646499	-1543376	0.085	No
175	7.6	5.4	11.4	5.4	1409012	SLV 7	1474532	1422093	0.084	-1100441	SLV 9	-1275327	-970824	0.078	No
204	7.6	5.4	11.4	5.4	1336666	SLV 7	1408773	1422093	0.084	-931763	SLV 9	-1099882	-970824	0.078	No
262	7.6	5.4	11.4	5.4	1172303	SLV 7	1257462	1422093	0.084	-614933	SLV 9	-769396	-970824	0.078	Si
321	7.6	5.4	11.4	5.4	982236	SLV 7	1080098	1422093	0.084	-325992	SLV 9	-466450	-970824	0.078	Si
379	7.6	5.4	11.4	5.4	767798	SLV 11	877574	1422093	0.084	-66274	SLV 5	-191938	-970824	0.078	Si
437	7.6	5.4	11.4	5.4	530903	SLV 11	651676	1422093	0.084						Si
496	7.6	5.4	11.4	5.4	406706	SLV 13	496654	1422093	0.084						Si
554	7.6	5.4	11.4	5.4	584685	SLV 9	665708	1422093	0.084	-68883	SLV 7	-227496	-970824	0.078	Si
612	7.6	5.4	11.4	5.4	740749	SLV 9	808719	1422093	0.084	-394042	SLV 7	-566310	-970824	0.078	Si
642	7.6	5.4	11.4	5.4	808945	SLV 9	870327	1422093	0.084	-566883	SLV 7	-745917	-970824	0.078	Si
700	7.6	5.4	11.4	5.4	925483	SLV 9	973626	1422093	0.084	-932906	SLV 7	-1125409	-970824	0.078	No
758	7.6	5.4	11.4	5.4	1015427	SLV 9	1050285	1422093	0.084	-1325930	SLV 7	-1531856	-970824	0.078	No
787	7.6	5.4	11.4	5.4	1050400	SLV 9	1078605	1422093	0.084	-1532540	SLV 7	-1745167	-970824	0.078	No
817	11.83	5.4	11.4	5.4	1078698	SLV 9	1100245	1422094	0.084	-1745874	SLV 7	-1965197	-1472343	0.084	No
852	15.21	5.4	11.4	5.4	1103731	SLV 9	1103731	1422107	0.084	-2017759	SLV 7	-2017759	-1873055	0.09	No
875	15.21	5.4	11.4	5.4	1115252	SLV 9	1110239	1422107	0.084	-2192695	SLV 7	-2104571	-1873055	0.09	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	600384	SLD 7	600384	1422107	0.084	-1151169	SLD 9	-1095791	-1873055	0.09	Si
23	15.21	5.4	11.4	5.4	627306	SLD 7	656952	1422107	0.084	-1041763	SLD 9	-1041763	-1873055	0.09	Si
58	15.21	5.4	11.4	5.4	663494	SLD 7	684947	1422107	0.084	-874233	SLD 9	-1008898	-1873055	0.09	Si
117	12.43	5.4	11.4	5.4	699861	SLD 7	708000	1422094	0.084	-624148	SLD 9	-745429	-1543376	0.085	Si
175	7.6	5.4	11.4	5.4	709524	SLD 7	709524	1422093	0.084	-400952	SLD 9	-508827	-970824	0.078	Si
204	7.6	5.4	11.4	5.4	704361	SLD 7	709506	1422093	0.084	-299458	SLD 9	-400616	-970824	0.078	Si
262	7.6	5.4	11.4	5.4	674126	SLD 7	692493	1422093	0.084	-116756	SLD 9	-204426	-970824	0.078	Si
321	7.6	5.4	11.4	5.4	617579	SLD 7	649011	1422093	0.084	38665	SLD 9	-35363	-970824	0.078	Si
379	7.6	5.4	11.4	5.4	535308	SLD 11	579458	1422093	0.084						Si
437	7.6	5.4	11.4	5.4	428161	SLD 11	484621	1422093	0.084						Si
496	7.6	5.4	11.4	5.4	355945	SLD 13	381566	1422093	0.084						Si
554	7.6	5.4	11.4	5.4	402509	SLD 9	416735	1422093	0.084						Si
612	7.6	5.4	11.4	5.4	424436	SLD 9	425442	1422093	0.084	-77729	SLD 7	-183033	-970824	0.078	Si
642	7.6	5.4	11.4	5.4	425445	SLD 9	425445	1422093	0.084	-183383	SLD 7	-295403	-970824	0.078	Si
700	7.6	5.4	11.4	5.4	407473	SLD 9	419753	1422093	0.084	-414897	SLD 7	-540322	-970824	0.078	Si
758	7.6	5.4	11.4	5.4	362794	SLD 9	388390	1422093	0.084	-673297	SLD 7	-812106	-970824	0.078	Si
787	7.6	5.4	11.4	5.4	330428	SLD 9	362687	1422093	0.084	-812568	SLD 7	-958065	-970824	0.078	Si
817	11.83	5.4	11.4	5.4	291373	SLD 9	330298	1422094	0.084	-958549	SLD 7	-1110732	-1472343	0.084	Si
852	15.21	5.4	11.4	5.4	233642	SLD 9	280765	1422107	0.084	-1147671	SLD 7	-1147671	-1873055	0.09	Si
875	15.21	5.4	11.4	5.4	193190	SLD 9	193190	1422107	0.084	-1270633	SLD 7	-1208471	-1873055	0.09	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	4116	SLU 24	4116	12021	76908	0	12021	1	Si
23	0.068	15.18	0	3886	SLU 24	3886	12013	76908	7874	12013	1	Si
58	0.068	12.43	0	3519	SLU 24	3519	11239	76908	7874	11239	1	Si
117	0.068	11.4	0	2922	SLU 24	2922	10922	76908	7874	10922	1	Si
175	0.068	11.4	0	2325	SLU 24	2325	10922	76908	7874	10922	1	Si
204	0.068	11.4	0	2026	SLU 24	2026	10922	76908	7874	10922	1	Si
262	0.068	11.4	0	1429	SLU 24	1429	10922	76908	7874	10922	1	Si
321	0.068	11.4	0	832	SLU 24	832	10922	76908	7874	10922	1	Si
379	0.068	11.4	0	235	SLU 24	235	10922	76908	7874	10922	1	Si
437	0.068	11.4	0	-411	SLU 30	-411	-10922	-76908	-7874	-10922	1	Si
496	0.068	11.4	0	-1009	SLU 30	-1009	-10922	-76908	-7874	-10922	1	Si
554	0.068	11.4	0	-1606	SLU 30	-1606	-10922	-76908	-7874	-10922	1	Si
612	0.068	11.4	0	-2203	SLU 30	-2203	-10922	-76908	-7874	-10922	1	Si
642	0.068	11.4	0	-2502	SLU 30	-2502	-10922	-76908	-7874	-10922	1	Si
700	0.068	7.6	0	-3099	SLU 30	-3099	-9541	-76908	-7874	-9541	1	Si
758	0.068	7.6	0	-3696	SLU 30	-3696	-9541	-76908	-7874	-9541	1	Si
817	0.068	7.6	0	-4293	SLU 30	-4293	-9541	-76908	-7874	-9541	1	Si
852	0.068	7.6	0	-4660	SLU 30	-4660	-9541	-76908	-7874	-9541	1	Si
875	0	11.83	0	-4890	SLU 30	-4890	-11055	-76908	0	-11055	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	7292	SLV 9	8370	12021	76908	0	12021	1	Si
0	0	11.4	0	-1003	SLV 7	-2082	-10922	-76908	0	-10922	1	Si
23	0.068	15.18	0	7115	SLV 9	8193	12013	76908	7874	12013	1	Si
23	0.068	11.4	0	-1180	SLV 7	-2259	-10922	-76908	-7874	-10922	1	Si
58	0.068	12.43	0	6833	SLV 9	7911	11239	76908	7874	11239	1	Si
58	0.068	11.4	0	-1463	SLV 7	-2541	-10922	-76908	-7874	-10922	1	Si
117	0.068	7.6	0	6373	SLV 9	7452	9541	76908	7874	9541	1	Si
117	0.068	11.4	0	-1922	SLV 7	-3000	-10922	-76908	-7874	-10922	1	Si
175	0.068	7.6	0	5914	SLV 9	6992	9541	76908	7874	9541	1	Si
175	0.068	11.4	0	-2381	SLV 7	-3460	-10922	-76908	-7874	-10922	1	Si
204	0.068	7.6	0	5684	SLV 9	6762	9541	76908	7874	9541	1	Si
204	0.068	11.4	0	-2611	SLV 7	-3689	-10922	-76908	-7874	-10922	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
262	0.068	7.6	0	5225	SLV 9	6303	9541	76908	7874	9541	1	Si
262	0.068	11.4	0	-3070	SLV 7	-4149	-10922	-76908	-7874	-10922	1	Si
321	0.068	7.6	0	4765	SLV 9	5844	9541	76908	7874	9541	1	Si
321	0.068	11.4	0	-3530	SLV 7	-4608	-10922	-76908	-7874	-10922	1	Si
379	0.068	7.6	0	4306	SLV 9	5384	9541	76908	7874	9541	1	Si
379	0.068	11.4	0	-3989	SLV 7	-5068	-10922	-76908	-7874	-10922	1	Si
437	0.068	11.4	0	3847	SLV 9	4925	10922	76908	7874	10922	1	Si
437	0.068	11.4	0	-4449	SLV 7	-5527	-10922	-76908	-7874	-10922	1	Si
496	0.068	11.4	0	3387	SLV 9	4466	10922	76908	7874	10922	1	Si
496	0.068	11.4	0	-4908	SLV 7	-5986	-10922	-76908	-7874	-10922	1	Si
554	0.068	11.4	0	2928	SLV 9	4006	10922	76908	7874	10922	1	Si
554	0.068	7.6	0	-5367	SLV 7	-6446	-9541	-76908	-7874	-9541	1	Si
612	0.068	11.4	0	2468	SLV 9	3547	10922	76908	7874	10922	1	Si
612	0.068	7.6	0	-5827	SLV 7	-6905	-9541	-76908	-7874	-9541	1	Si
642	0.068	11.4	0	2239	SLV 9	3317	10922	76908	7874	10922	1	Si
642	0.068	7.6	0	-6056	SLV 7	-7135	-9541	-76908	-7874	-9541	1	Si
700	0.068	11.4	0	1779	SLV 9	2858	10922	76908	7874	10922	1	Si
700	0.068	7.6	0	-6516	SLV 7	-7594	-9541	-76908	-7874	-9541	1	Si
758	0.068	11.4	0	1320	SLV 9	2398	10922	76908	7874	10922	1	Si
758	0.068	7.6	0	-6975	SLV 7	-8053	-9541	-76908	-7874	-9541	1	Si
817	0.068	11.4	0	861	SLV 9	1939	10922	76908	7874	10922	1	Si
817	0.068	7.6	0	-7434	SLV 7	-8513	-9541	-76908	-7874	-9541	1	Si
852	0.068	11.4	0	578	SLV 9	1657	10922	76908	7874	10922	1	Si
852	0.068	7.6	0	-7717	SLV 7	-8795	-9541	-76908	-7874	-9541	1	Si
875	0	11.4	0	401	SLV 9	1480	10922	76908	0	10922	1	Si
875	0	11.83	0	-7894	SLV 7	-8972	-11055	-76908	0	-11055	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	4980	SLD 9	4980	12021	76908	0	12021	1	Si
23	0.068	15.18	0	4803	SLD 9	4803	12013	76908	7874	12013	1	Si
58	0.068	12.43	0	4520	SLD 9	4520	11239	76908	7874	11239	1	Si
117	0.068	7.6	0	4061	SLD 9	4061	9541	76908	7874	9541	1	Si
175	0.068	7.6	0	3602	SLD 9	3602	9541	76908	7874	9541	1	Si
175	0.068	11.4	0	-69	SLD 7	-69	-10922	-76908	-7874	-10922	1	Si
204	0.068	7.6	0	3372	SLD 9	3372	9541	76908	7874	9541	1	Si
204	0.068	11.4	0	-299	SLD 7	-299	-10922	-76908	-7874	-10922	1	Si
262	0.068	7.6	0	2913	SLD 9	2913	9541	76908	7874	9541	1	Si
262	0.068	11.4	0	-758	SLD 7	-758	-10922	-76908	-7874	-10922	1	Si
321	0.068	11.4	0	2453	SLD 9	2453	10922	76908	7874	10922	1	Si
321	0.068	11.4	0	-1218	SLD 7	-1218	-10922	-76908	-7874	-10922	1	Si
379	0.068	11.4	0	1994	SLD 9	1994	10922	76908	7874	10922	1	Si
379	0.068	11.4	0	-1677	SLD 7	-1677	-10922	-76908	-7874	-10922	1	Si
437	0.068	11.4	0	1534	SLD 9	1534	10922	76908	7874	10922	1	Si
437	0.068	11.4	0	-2136	SLD 7	-2136	-10922	-76908	-7874	-10922	1	Si
496	0.068	11.4	0	1075	SLD 9	1075	10922	76908	7874	10922	1	Si
496	0.068	11.4	0	-2596	SLD 7	-2596	-10922	-76908	-7874	-10922	1	Si
554	0.068	11.4	0	616	SLD 9	616	10922	76908	7874	10922	1	Si
554	0.068	11.4	0	-3055	SLD 7	-3055	-10922	-76908	-7874	-10922	1	Si
612	0.068	11.4	0	156	SLD 9	156	10922	76908	7874	10922	1	Si
612	0.068	7.6	0	-3514	SLD 7	-3514	-9541	-76908	-7874	-9541	1	Si
642	0.068	7.6	0	-3744	SLD 7	-3744	-9541	-76908	-7874	-9541	1	Si
700	0.068	7.6	0	-4204	SLD 7	-4204	-9541	-76908	-7874	-9541	1	Si
758	0.068	7.6	0	-4663	SLD 7	-4663	-9541	-76908	-7874	-9541	1	Si
817	0.068	7.6	0	-5122	SLD 7	-5122	-9541	-76908	-7874	-9541	1	Si
852	0.068	7.6	0	-5404	SLD 7	-5404	-9541	-76908	-7874	-9541	1	Si
875	0	11.83	0	-5582	SLD 7	-5582	-11055	-76908	0	-11055	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-284247	6	-249307	7.8	124.5	280.3	1837	-283955	1	-249022	7.8	93.4	0	+∞	Si
23	-215769	6	-215769	6.7	124.5	242.6	1837	-215491	1	-215491	6.7	93.4	0	+∞	Si
58	-113411	6	-195208	6.1	124.5	219.5	1837	-113157	1	-194934	6.1	93.4	0	+∞	Si
117	42549	3	103650	3.5	124.5	153.7	1837	37856	2	99217	3.4	93.4	0	+∞	Si
175	158459	3	206207	7.5	124.5	307	1837	154286	2	202292	7.3	93.4	0	+∞	Si
204	206365	3	247436	9	124.5	368.4	1837	202451	2	243780	8.9	93.4	0	+∞	Si
262	282080	3	309797	11.2	124.5	461.3	1837	278685	2	306660	11.1	93.4	0	+∞	Si
321	330998	3	345361	12.5	124.5	514.2	1837	328122	2	342743	12.4	93.4	0	+∞	Si
379	353120	3	354128	12.9	124.5	527.3	1837	350762	2	352029	12.8	93.4	0	+∞	Si
437	348444	3	354113	12.9	124.5	527.2	1837	346605	2	352015	12.8	93.4	0	+∞	Si
496	316971	3	335994	12.2	124.5	500.3	1837	315652	2	334416	12.1	93.4	0	+∞	Si
554	258702	3	291079	10.6	124.5	433.4	1837	257901	2	290019	10.5	93.4	0	+∞	Si
612	173636	2	219366	8	124.5	326.6	1837	173354	2	218826	7.9	93.4	0	+∞	Si
642	121161	7	173462	6.3	124.5	258.3	1837	121031	2	173180	6.3	93.4	0	+∞	Si
700	-4208	3	-76646	1.7	124.5	26.6	1837	-3712	2	-75892	3	93.4	0	+∞	Si
758	-156266	3	-242059	5.4	124.5	83.9	1837	-155251	2	-240786	9.7	93.4	0	+∞	Si
817	-335122	3	-434268	14.8	124.5	622.3	1837	-333588	2	-432476	14.7	93.4	0	+∞	Si
852	-458867	3	-458867	14.3	124.5	516	1837	-457014	2	-457014	14.2	93.4	0	+∞	Si
875	-540774	3	-499119	15.5	124.5	561.3	1837	-538721	2	-497166	15.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si
58	0.011	0.011	0.01	0.009	0.011	0.011	0.01	0.009	0.011	0.011	0.025	2	0.024	2	9999	Si
117	0.023	0.022	0.02	0.02	0.023	0.022	0.02	0.02	0.023	0.022	0.052	2	0.051	2	9999	Si
175	0.035	0.034	0.031	0.03	0.035	0.034	0.031	0.03	0.034	0.034	0.078	2	0.077	2	9999	Si
204	0.04	0.039	0.036	0.034	0.04	0.039	0.035	0.034	0.04	0.039	0.09	2	0.089	2	9686	Si
262	0.049	0.048	0.044	0.042	0.049	0.048	0.043	0.042	0.049	0.048	0.111	2	0.109	2	7883	Si
321	0.056	0.054	0.049	0.048	0.055	0.054	0.049	0.048	0.055	0.054	0.126	2	0.124	2	6960	Si
379	0.059	0.058	0.052	0.051	0.059	0.058	0.052	0.051	0.059	0.058	0.133	2	0.132	2	6558	Si
408	0.06	0.058	0.053	0.052	0.059	0.058	0.052	0.052	0.059	0.058	0.134	2	0.133	2	6506	Si
437	0.059	0.058	0.052	0.051	0.059	0.058	0.052	0.051	0.059	0.058	0.134	2	0.132	2	6546	Si
496	0.056	0.055	0.05	0.049	0.056	0.055	0.049	0.049	0.056	0.055	0.127	2	0.125	2	6917	Si
554	0.05	0.049	0.044	0.043	0.05	0.049	0.044	0.043	0.05	0.049	0.113	2	0.111	2	7770	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
612	0.041	0.041	0.036	0.036	0.041	0.041	0.036	0.036	0.041	0.041	0.093	2	0.092	2	9386	Si
642	0.037	0.036	0.032	0.032	0.036	0.036	0.032	0.032	0.036	0.036	0.082	2	0.081	2	9999	Si
700	0.026	0.026	0.023	0.022	0.026	0.026	0.023	0.022	0.026	0.026	0.058	2	0.057	2	9999	Si
758	0.015	0.015	0.013	0.013	0.015	0.015	0.013	0.013	0.015	0.015	0.034	2	0.034	2	9999	Si
817	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
852	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	2967	5226	12013	SLV 9	0.57	2474	1.666	-207228	1885882	1422107	SLV 7	0.32	500	0.865	No
58	2685	5226	11239	SLV 9	0.57	2474	1.666	-186761	1857867	1422107	SLV 7	0.32	502	0.867	No
117	2226	5226	9541	SLV 9	0.5	1690	1.425	-30181	1616319	1422094	SLV 7	0.33	549	0.899	No
175	1766	5226	9541	SLV 9	0.53	1989	1.524	99602	-1374930	-970824	SLV 9	0.29	396	0.786	No
204	1537	5226	9541	SLV 9	0.55	2150	1.573	154445	-1254327	-970824	SLV 9	0.33	547	0.898	No
262	1077	5226	9541	SLV 9	0.57	2474	1.666	244033	1013429	1422093	SLV 7	0.42	1032	1.164	Si
321	618	5226	9541	SLV 9	0.57	2474	1.666	306824	773274	1422093	SLV 7	0.52	1830	1.473	Si
379	158	5226	9541	SLV 9	0.57	2474	1.666	342818	534756	1422093	SLV 11	0.57	2474	1.666	Si
437	-301	-5226	-10922	SLV 7	0.57	2474	1.666	352015	299661	1422093	SLV 11	0.57	2474	1.666	Si
496	-760	-5226	-10922	SLV 7	0.57	2474	1.666	290211	206444	1422093	SLV 9	0.57	2474	1.666	Si
554	-1220	-5226	-9541	SLV 7	0.57	2385	1.642	219106	-446602	-970824	SLV 7	0.57	2474	1.666	Si
612	-1679	-5226	-9541	SLV 7	0.54	2049	1.542	121204	-687515	-970824	SLV 7	0.56	2370	1.637	Si
642	-1909	-5226	-9541	SLV 7	0.52	1893	1.493	62205	-808122	-970824	SLV 7	0.46	1327	1.291	Si
700	-2368	-5226	-9541	SLV 7	0.49	1603	1.395	-75892	-1049517	-970824	SLV 7	0.31	484	0.854	No
758	-2828	-5226	-9541	SLV 7	0.46	1344	1.298	-240786	-1291070	-970824	SLV 7	0.21	197	0.59	No
787	-3057	-5226	-9541	SLV 7	0.45	1226	1.25	-333281	-1411886	-970824	SLV 7	0.17	124	0.488	No
817	-3287	-5226	-9541	SLV 7	0.43	1114	1.201	-432476	-1532721	-1472343	SLV 7	0.25	293	0.695	No
852	-3569	-5226	-9541	SLV 7	0.41	986	1.143	-457014	-1560745	-1873055	SLV 7	0.33	562	0.908	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	2967	1835	12013	SLD 9	0.6	2474	4.193	-207228	834535	1422107	SLD 7	0.27	337	1.852	Si
58	2685	1835	11239	SLD 9	0.6	2474	4.193	-186761	822137	1422107	SLD 7	0.27	340	1.858	Si
117	2226	1835	9541	SLD 9	0.53	1954	3.806	-30181	715248	1422094	SLD 7	0.28	368	1.92	Si
175	1766	1835	9541	SLD 9	0.56	2299	4.069	99602	-608430	-970824	SLD 9	0.24	269	1.688	Si
204	1537	1835	9541	SLD 9	0.57	2474	4.193	154445	-555061	-970824	SLD 9	0.28	367	1.918	Si
262	1077	1835	9541	SLD 9	0.6	2474	4.193	244033	448460	1422093	SLD 7	0.35	666	2.448	Si
321	618	1835	10922	SLD 9	0.6	2474	4.193	306824	342187	1422093	SLD 7	0.44	1144	3.056	Si
379	158	1835	10922	SLD 9	0.6	2474	4.193	342818	236639	1422093	SLD 11	0.6	2474	4.193	Si
437	-301	-1835	-10922	SLD 7	0.6	2474	4.193	352015	132606	1422093	SLD 11	0.6	2474	4.193	Si
496	-760	-1835	-10922	SLD 7	0.6	2474	4.193	290211	91355	1422093	SLD 9	0.6	2474	4.193	Si
554	-1220	-1835	-10922	SLD 7	0.6	2474	4.193	219106	-197630	-970824	SLD 7	0.6	2474	4.193	Si
612	-1679	-1835	-9541	SLD 7	0.56	2369	4.119	121204	-304237	-970824	SLD 7	0.48	1477	3.394	Si
642	-1909	-1835	-9541	SLD 7	0.55	2188	3.987	62205	-357608	-970824	SLD 7	0.39	839	2.691	Si
700	-2368	-1835	-9541	SLD 7	0.52	1853	3.724	-75892	-464430	-970824	SLD 7	0.26	328	1.831	Si
758	-2828	-1835	-9541	SLD 7	0.49	1552	3.463	-240786	-571321	-970824	SLD 7	0.18	135	1.273	Si
817	-3287	-1835	-9541	SLD 7	0.45	1287	3.207	-432476	-678255	-1472343	SLD 7	0.21	199	1.492	Si
852	-3569	-1835	-9541	SLD 7	0.44	1138	3.05	-457014	-690656	-1873055	SLD 7	0.28	376	1.937	Si

Campata 2 tra i fili 49B - 36A, sezione R 45x70, asta 693

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4						-804803	SLU 30	-748778	-1873055	0.09	Si
23	15.21	5.4	11.4	5.4						-695335	SLU 30	-695335	-1873055	0.09	Si
45	13.05	5.4	11.4	5.4						-589524	SLU 30	-695335	-1617761	0.086	Si
68	10.92	5.4	11.4	5.4						-489774	SLU 30	-618818	-1364198	0.083	Si
79	7.6	5.4	11.4	5.4						-441872	SLU 30	-567542	-970824	0.078	Si
91	7.6	5.4	11.4	5.4						-395284	SLU 30	-517582	-970824	0.078	Si
102	7.6	5.4	11.4	5.4						-350011	SLU 30	-468936	-970824	0.078	Si
125	7.6	5.4	11.4	5.4						-263411	SLU 30	-375590	-970824	0.078	Si
147	7.6	5.4	11.4	5.4						-182071	SLU 30	-287504	-970824	0.078	Si
170	7.6	5.4	15.85	5.4						-105990	SLU 30	-204678	-971302	0.079	Si
193	7.6	5.4	11.4	5.4	-24382	SLU 8	47799	1422093	0.084	-35177	SLU 29	-127111	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	30392	SLU 30	106614	1422093	0.084	21452	SLU 1	-54804	-970824	0.078	Si
238	7.6	5.4	11.4	5.4	90693	SLU 30	160170	1422093	0.084						Si
261	7.6	5.4	11.4	5.4	145735	SLU 30	208465	1422093	0.084						Si
272	7.6	5.4	11.4	5.4	171283	SLU 30	230641	1422093	0.084						Si
295	7.6	5.4	11.4	5.4	218435	SLU 30	260606	1422093	0.084						Si
317	7.6	5.4	11.4	5.4	260606	SLU 30	260606	1422093	0.084						Si
340	7.6	5.4	11.4	5.4	296959	SLU 30	280074	1422093	0.084						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	1000711	SLV 11	916207	1422107	0.084	-2200933	SLV 5	-2032316	-1873055	0.09	No
23	15.21	5.4	11.4	5.4	829649	SLV 11	829649	1422107	0.084	-1865617	SLV 5	-1865617	-1873055	0.09	Si
45	13.05	5.4	11.4	5.4	652016	SLV 11	829649	1422094	0.084	-1529418	SLV 5	-1865617	-1617761	0.086	No
68	10.92	5.4	11.4	5.4	471654	SLV 11	702121	1422094	0.084	-1199785	SLV 5	-1623407	-1364198	0.083	No
91	7.6	5.4	11.4	5.4	287326	SLV 11	522888	1422093	0.084	-874276	SLV 5	-1292617	-970824	0.078	No
102	7.6	5.4	11.4	5.4	193703	SLV 11	431777	1422093	0.084	-713098	SLV 5	-1128760	-970824	0.078	No
125	7.6	5.4	11.4	5.4	42944	SLV 15	246600	1422093	0.084	-433297	SLV 1	-804164	-970824	0.078	Si
147	7.6	5.4	11.4	5.4	7401	SLV 13	335803	1422093	0.084	-276804	SLV 3	-494122	-970824	0.078	Si
170	7.6	5.4	15.85	5.4	256013	SLV 9	631548	1949737	0.094	-412559	SLV 7	-655446	-971302	0.079	Si
193	7.6	5.4	11.4	5.4	546345	SLV 5	932340	1422093	0.084	-598125	SLV 11	-861849	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	847690	SLV 5	1230090	1422093	0.084	-802796	SLV 11	-1073304	-970824	0.078	No
238	7.6	5.4	11.4	5.4	1146462	SLV 5	1524056	1422093	0.084	-1012985	SLV 11	-1289066	-970824	0.078	No
261	7.6	5.4	11.4	5.4	1441527	SLV 5	1814082	1422093	0.084	-1227560	SLV 11	-1508980	-970824	0.078	No
272	7.6	5.4	11.4	5.4	1587596	SLV 5	1957599	1422093	0.084	-1336419	SLV 11	-1620476	-970824	0.078	No
295	7.6	5.4	11.4	5.4	1876758	SLV 5	2163995	1422093	0.084	-1557229	SLV 11	-1783808	-970824	0.078	No
317	7.6	5.4	11.4	5.4	2163995	SLV 5	2163995	1422093	0.084	-1783808	SLV 11	-1783808	-970824	0.078	No
340	7.6	5.4	11.4	5.4	2443064	SLV 5	2304558	1422093	0.084	-2011107	SLV 11	-1896501	-970824	0.078	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	108285	SLD 11	94336	1422107	0.084	-1308507	SLD 5	-1210445	-1873055	0.09	Si
23	15.21	5.4	11.4	5.4	78371	SLD 11	78371	1422107	0.084	-1114339	SLD 5	-1114339	-1873055	0.09	Si
45	13.05	5.4	11.4	5.4	43964	SLD 11	78371	1422094	0.084	-921366	SLD 5	-1114339	-1617761	0.086	Si
68	10.92	5.4	11.4	5.4	5758	SLD 11	53904	1422094	0.084	-733888	SLD 5	-975190	-1364198	0.083	Si
79	7.6	5.4	11.4	5.4	-14851	SLD 11	35872	1422093	0.084	-641678	SLD 5	-880368	-970824	0.078	Si
91	7.6	5.4	11.4	5.4	-36459	SLD 11	16835	1422093	0.084	-550492	SLD 5	-786563	-970824	0.078	Si
102	7.6	5.4	11.4	5.4						-460337	SLD 5	-693777	-970824	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
125	7.6	5.4	11.4	5.4						-300552	SLD 1	-511274	-970824	0.078	Si
147	7.6	5.4	11.4	5.4	-71818	SLD 13	113372	1422093	0.084	-197586	SLD 3	-337471	-970824	0.078	Si
170	7.6	5.4	15.85	5.4	69655	SLD 9	272811	1949737	0.094	-226200	SLD 7	-296709	-971302	0.079	Si
193	7.6	5.4	11.4	5.4	227335	SLD 5	432227	1422093	0.084	-279115	SLD 11	-361737	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	387634	SLD 5	588042	1422093	0.084	-342739	SLD 11	-431256	-970824	0.078	Si
238	7.6	5.4	11.4	5.4	544538	SLD 5	739927	1422093	0.084	-411061	SLD 11	-504937	-970824	0.078	Si
261	7.6	5.4	11.4	5.4	697546	SLD 5	887812	1422093	0.084	-483579	SLD 11	-582710	-970824	0.078	Si
272	7.6	5.4	11.4	5.4	772556	SLD 5	960247	1422093	0.084	-521380	SLD 11	-623124	-970824	0.078	Si
295	7.6	5.4	11.4	5.4	919569	SLD 5	1063585	1422093	0.084	-600040	SLD 11	-683398	-970824	0.078	Si
317	7.6	5.4	11.4	5.4	1063585	SLD 5	1063585	1422093	0.084	-683398	SLD 11	-683398	-970824	0.078	Si
340	7.6	5.4	11.4	5.4	1201509	SLD 5	1133556	1422093	0.084	-769552	SLD 11	-725498	-970824	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.92	0	4981	SLU 30	4981	10764	76908	0	10764	1	Si
11	0	7.6	0	4865	SLU 30	4865	9541	76908	0	9541	1	Si
23	0.158	7.6	0	4751	SLU 30	4751	9541	76908	18340	18340	1	Si
45	0.158	7.6	0	4517	SLU 30	4517	9541	76908	18340	18340	1	Si
68	0.158	7.6	0	4285	SLU 30	4285	9541	76908	18340	18340	1	Si
91	0.158	7.6	0	4053	SLU 30	4053	9541	76908	18340	18340	1	Si
102	0.149	7.6	0	3937	SLU 30	3937	9541	76908	17318	17318	1	Si
125	0.149	7.6	0	3705	SLU 30	3705	9541	76908	17318	17318	1	Si
147	0.149	7.6	0	3473	SLU 30	3473	9541	76908	17318	17318	1	Si
170	0.149	7.6	0	3240	SLU 30	3240	9541	76908	17318	17318	1	Si
193	0.149	7.6	0	3008	SLU 30	3008	9541	76908	17318	17318	1	Si
215	0.149	11.4	0	2776	SLU 30	2776	10922	76908	17318	17318	1	Si
238	0.149	11.4	0	2544	SLU 30	2544	10922	76908	17318	17318	1	Si
261	0.144	11.4	0	2312	SLU 30	2312	10922	76908	16673	16673	1	Si
272	0.144	11.4	0	2196	SLU 30	2196	10922	76908	16673	16673	1	Si
295	0.144	11.4	0	1964	SLU 30	1964	10922	76908	16673	16673	1	Si
317	0.144	11.4	0	1730	SLU 30	1730	10922	76908	16673	16673	1	Si
340	0	11.4	0	1500	SLU 30	1500	10922	76908	0	10922	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.92	0	14995	SLV 5	17921	10764	76908	0	10764	1	Si
0	0	11.4	0	-7517	SLV 11	-10443	-10922	-76908	0	-10922	1	Si
11	0	7.6	0	14906	SLV 5	17832	9541	76908	0	9541	1	Si
11	0	11.4	0	-7606	SLV 11	-10533	-10922	-76908	0	-10922	1	Si
23	0.158	7.6	0	14818	SLV 5	17744	9541	76908	18340	18340	1	Si
23	0.158	11.4	0	-7694	SLV 11	-10621	-10922	-76908	-18340	-18340	1	Si
45	0.158	7.6	0	14638	SLV 5	17564	9541	76908	18340	18340	1	Si
45	0.158	11.4	0	-7874	SLV 11	-10800	-10922	-76908	-18340	-18340	1	Si
68	0.158	7.6	0	14459	SLV 5	17386	9541	76908	18340	18340	1	Si
68	0.158	11.4	0	-8052	SLV 11	-10979	-10922	-76908	-18340	-18340	1	Si
91	0.158	7.6	0	14281	SLV 5	17207	9541	76908	18340	18340	1	Si
91	0.158	11.4	0	-8231	SLV 11	-11157	-10922	-76908	-18340	-18340	1	Si
102	0.149	7.6	0	14192	SLV 5	17118	9541	76908	17318	17318	1	Si
102	0.149	11.4	0	-8320	SLV 11	-11247	-10922	-76908	-17318	-17318	1	Si
125	0.149	7.6	0	14013	SLV 5	16940	9541	76908	17318	17318	1	Si
125	0.149	11.4	0	-8499	SLV 11	-11425	-10922	-76908	-17318	-17318	1	Si
147	0.149	7.6	0	13835	SLV 5	16761	9541	76908	17318	17318	1	Si
147	0.149	7.6	0	-8677	SLV 11	-11604	-9541	-76908	-17318	-17318	1	Si
170	0.149	11.4	0	13656	SLV 5	16583	10922	76908	17318	17318	1	Si
170	0.149	7.6	0	-8856	SLV 11	-11782	-9541	-76908	-17318	-17318	1	Si
193	0.149	11.4	0	13478	SLV 5	16404	10922	76908	17318	17318	1	Si
193	0.149	7.6	0	-9034	SLV 11	-11961	-9541	-76908	-17318	-17318	1	Si
215	0.149	11.4	0	13299	SLV 5	16226	10922	76908	17318	17318	1	Si
215	0.149	7.6	0	-9213	SLV 11	-12139	-9541	-76908	-17318	-17318	1	Si
238	0.149	11.4	0	13121	SLV 5	16047	10922	76908	17318	17318	1	Si
238	0.149	7.6	0	-9391	SLV 11	-12318	-9541	-76908	-17318	-17318	1	Si
261	0.144	11.4	0	12942	SLV 5	15869	10922	76908	16673	16673	1	Si
261	0.144	7.6	0	-9570	SLV 11	-12496	-9541	-76908	-16673	-16673	1	Si
272	0.144	11.4	0	12853	SLV 5	15779	10922	76908	16673	16673	1	Si
272	0.144	7.6	0	-9659	SLV 11	-12585	-9541	-76908	-16673	-16673	1	Si
295	0.144	11.4	0	12674	SLV 5	15601	10922	76908	16673	16673	1	Si
295	0.144	7.6	0	-9837	SLV 11	-12764	-9541	-76908	-16673	-16673	1	Si
317	0.144	11.4	0	12495	SLV 5	15421	10922	76908	16673	16673	1	Si
317	0.144	7.6	0	-10017	SLV 11	-12944	-9541	-76908	-16673	-16673	1	Si
340	0	11.4	0	12317	SLV 5	15244	10922	76908	0	10922	1	Si
340	0	7.6	0	-10194	SLV 11	-13121	-9541	-76908	0	-9541	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.92	0	8720	SLD 5	8720	10764	76908	0	10764	1	Si
0	0	11.4	0	-1242	SLD 11	-1242	-10922	-76908	0	-10922	1	Si
11	0	7.6	0	8631	SLD 5	8631	9541	76908	0	9541	1	Si
11	0	11.4	0	-1331	SLD 11	-1331	-10922	-76908	0	-10922	1	Si
23	0.158	7.6	0	8543	SLD 5	8543	9541	76908	18340	18340	1	Si
23	0.158	11.4	0	-1419	SLD 11	-1419	-10922	-76908	-18340	-18340	1	Si
45	0.158	7.6	0	8363	SLD 5	8363	9541	76908	18340	18340	1	Si
45	0.158	11.4	0	-1599	SLD 11	-1599	-10922	-76908	-18340	-18340	1	Si
68	0.158	7.6	0	8184	SLD 5	8184	9541	76908	18340	18340	1	Si
68	0.158	11.4	0	-1777	SLD 11	-1777	-10922	-76908	-18340	-18340	1	Si
91	0.158	7.6	0	8006	SLD 5	8006	9541	76908	18340	18340	1	Si
91	0.158	7.6	0	-1956	SLD 11	-1956	-9541	-76908	-18340	-18340	1	Si
102	0.149	7.6	0	7917	SLD 5	7917	9541	76908	17318	17318	1	Si
102	0.149	7.6	0	-2045	SLD 11	-2045	-9541	-76908	-17318	-17318	1	Si
125	0.149	7.6	0	7738	SLD 5	7738	9541	76908	17318	17318	1	Si
125	0.149	7.6	0	-2224	SLD 11	-2224	-9541	-76908	-17318	-17318	1	Si
147	0.149	7.6	0	7560	SLD 5	7560	9541	76908	17318	17318	1	Si
147	0.149	7.6	0	-2402	SLD 11	-2402	-9541	-76908	-17318	-17318	1	Si
170	0.149	11.4	0	7381	SLD 5	7381	10922	76908	17318	17318	1	Si
170	0.149	7.6	0	-2581	SLD 11	-2581	-9541	-76908	-17318	-17318	1	Si
193	0.149	11.4	0	7203	SLD 5	7203	10922	76908	17318	17318	1	Si
193	0.149	7.6	0	-2759	SLD 11	-2759	-9541	-76908	-17318	-17318	1	Si
215	0.149	11.4	0	7024	SLD 5	7024	10922	76908	17318	17318	1	Si
215	0.149	7.6	0	-2938	SLD 11	-2938	-9541	-76908	-17318	-17318	1	Si
238	0.149	11.4	0	6846	SLD 5	6846	10922	76908	17318	17318	1	Si
238	0.149	7.6	0	-3116	SLD 11	-3116	-9541	-76908	-17318	-17318	1	Si
261	0.144	11.4	0	6667	SLD 5	6667	10922	76908	16673	16673	1	Si
261	0.144	7.6	0	-3295	SLD 11	-3295	-9541	-76908	-16673	-16673	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
272	0.144	11.4	0	6578	SLD 5	6578	10922	76908	16673	16673	1	Si
272	0.144	7.6	0	-3384	SLD 11	-3384	-9541	-76908	-16673	-16673	1	Si
295	0.144	11.4	0	6399	SLD 5	6399	10922	76908	16673	16673	1	Si
295	0.144	7.6	0	-3562	SLD 11	-3562	-9541	-76908	-16673	-16673	1	Si
317	0.144	11.4	0	6220	SLD 5	6220	10922	76908	16673	16673	1	Si
317	0.144	7.6	0	-3742	SLD 11	-3742	-9541	-76908	-16673	-16673	1	Si
340	0	11.4	0	6042	SLD 5	6042	10922	76908	0	10922	1	Si
340	0	7.6	0	-3919	SLD 11	-3919	-9541	-76908	0	-9541	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-611380	3	-568703	17.7	124.5	639.5	1837	-600111	2	-558055	17.4	93.4	0	+∞	Si
23	-528012	3	-528012	16.4	124.5	593.8	1837	-517984	2	-517984	16.1	93.4	0	+∞	Si
45	-447471	3	-528012	17.3	124.5	687.9	1837	-438701	2	-517984	17	93.4	0	+∞	Si
68	-371586	3	-469766	16.4	124.5	727.4	1837	-364065	2	-460643	16.1	93.4	0	+∞	Si
91	-299747	3	-392738	8.8	124.5	136.2	1837	-293475	2	-384864	15.4	93.4	0	+∞	Si
102	-265344	3	-355741	8	124.5	123.4	1837	-259698	2	-348492	14	93.4	0	+∞	Si
125	-199574	3	-284782	6.4	124.5	98.8	1837	-195177	2	-278782	11.2	93.4	0	+∞	Si
147	-137850	3	-217868	4.9	124.5	75.6	1837	-134702	2	-213118	8.6	93.4	0	+∞	Si
170	-80171	3	-155001	3.3	124.5	52.7	1837	-78273	2	-151500	5.7	93.4	0	+∞	Si
193	-26544	2	-96180	2.2	124.5	33.4	1837	-25890	2	-93928	3.8	93.4	0	+∞	Si
215	23047	3	80595	2.9	124.5	120	1837	22447	2	78393	2.8	93.4	0	+∞	Si
238	68588	3	120947	4.4	124.5	180.1	1837	66738	2	117495	4.3	93.4	0	+∞	Si
261	110082	3	157252	5.7	124.5	234.1	1837	106983	2	152551	5.5	93.4	0	+∞	Si
272	129312	3	173887	6.3	124.5	258.9	1837	125588	2	168562	6.1	93.4	0	+∞	Si
295	164737	3	196325	7.1	124.5	292.3	1837	159764	2	190093	6.9	93.4	0	+∞	Si
317	196325	3	196325	7.1	124.5	292.3	1837	190093	2	190093	6.9	93.4	0	+∞	Si
340	223450	3	210880	7.7	124.5	314	1837	215978	2	204029	7.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
45	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.008	1	-0.008	1	9999	Si
68	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.011	1	9999	Si
91	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
102	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
125	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.011	1	-0.011	1	9999	Si
147	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si
170	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.009	1	9999	Si
193	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
215	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
238	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
261	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
272	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
295	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
317	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3562	14182	18340	SLV 5	0.38	787	1.042	-517984	-1347633	-1873055	SLV 5	0.37	721	1.005	Si
45	3382	14182	18340	SLV 5	0.38	810	1.054	-517984	-1347633	-1617761	SLV 5	0.3	439	0.82	No
68	3204	14182	18340	SLV 5	0.39	834	1.067	-460643	-1162764	-1364198	SLV 5	0.29	395	0.785	No
91	3025	14182	18340	SLV 5	0.39	858	1.079	-384864	-907752	-970824	SLV 5	0.24	263	0.665	No
102	2936	14182	17318	SLV 5	0.37	736	1.014	-348492	-780269	-970824	SLV 5	0.29	418	0.804	No
125	2757	14182	17318	SLV 5	0.37	759	1.027	-278782	-525382	-970824	SLV 5	0.47	1436	1.333	Si
147	2579	14182	17318	SLV 5	0.38	781	1.039	-63189	-398991	-970824	SLV 7	0.57	2474	1.666	Si
170	2400	14182	17318	SLV 5	0.38	805	1.052	-11949	-643497	-971302	SLV 11	0.53	2000	1.527	Si
193	2222	14182	17318	SLV 5	0.39	828	1.064	35245	-897095	-970824	SLV 11	0.41	941	1.121	Si
215	2043	14182	17318	SLV 5	0.39	853	1.077	78393	-1151697	-970824	SLV 11	0.33	568	0.912	No
238	1865	14182	17318	SLV 5	0.4	877	1.089	117495	-1406561	-970824	SLV 11	0.28	391	0.782	No
261	1686	14182	16673	SLV 5	0.38	814	1.056	152551	-1661531	-970824	SLV 11	0.25	291	0.693	No
272	1597	14182	16673	SLV 5	0.39	826	1.063	168562	-1789038	-970824	SLV 11	0.24	256	0.657	No
295	1419	14182	16673	SLV 5	0.39	850	1.075	190093	-1973901	-970824	SLV 11	0.22	215	0.612	No
317	1239	14182	16673	SLV 5	0.39	874	1.088	190093	-1973901	-970824	SLV 11	0.22	215	0.612	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	3562	4981	18340	SLD 5	0.4	896	2.765	-517984	-596355	-1873055	SLD 5	0.31	470	2.122	Si
45	3382	4981	18340	SLD 5	0.4	922	2.797	-517984	-596355	-1617761	SLD 5	0.25	298	1.761	Si
68	3204	4981	18340	SLD 5	0.41	949	2.831	-460643	-514547	-1364198	SLD 5	0.24	268	1.686	Si
91	3025	4981	18340	SLD 5	0.41	977	2.865	-384864	-401699	-970824	SLD 5	0.2	180	1.432	Si
102	2936	4981	17318	SLD 5	0.39	838	2.69	-348492	-345285	-970824	SLD 5	0.25	283	1.724	Si
125	2757	4981	17318	SLD 5	0.39	864	2.724	-278782	-232492	-970824	SLD 5	0.4	902	2.772	Si
147	2579	4981	17318	SLD 5	0.4	890	2.757	-63189	-176561	-970824	SLD 7	0.6	2474	4.193	Si
170	2400	4981	17318	SLD 5	0.4	916	2.79	-11949	-284760	-971302	SLD 11	0.45	1248	3.167	Si
193	2222	4981	17318	SLD 5	0.41	943	2.823	35245	-396982	-970824	SLD 11	0.34	610	2.362	Si
215	2043	4981	17318	SLD 5	0.41	971	2.857	78393	-509649	-970824	SLD 11	0.28	379	1.943	Si
238	1865	4981	17318	SLD 5	0.42	1001	2.893	117495	-622432	-970824	SLD 11	0.24	265	1.678	Si
261	1686	4981	16673	SLD 5	0.4	926	2.802	152551	-735261	-970824	SLD 11	0.21	197	1.486	Si
272	1597	4981	16673	SLD 5	0.41	940	2.82	168562	-791685	-970824	SLD 11	0.2	174	1.412	Si
295	1419	4981	16673	SLD 5	0.41	967	2.853	190093	-873491	-970824	SLD 11	0.19	147	1.318	Si
317	1239	4981	16673	SLD 5	0.42	998	2.89	190093	-873491	-970824	SLD 11	0.19	147	1.318	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" 64-(2361; 2073)

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 64 - 65, sezione R 45x70, asta 687

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4						-1803669	SLU 30	-1554007	-971525	0.08	No
23	7.6	5.4	19.01	5.4						-1317652	SLU 30	-1317652	-971525	0.08	No
26	7.6	5.4	19.01	5.4						-1247036	SLU 30	-1317652	-971525	0.08	No
52	7.6	5.4	19.01	5.4						-727853	SLU 30	-1315604	-971525	0.08	No
77	7.6	5.4	19.01	5.4	-180703	SLU 11	250307	2323876	0.102	-280706	SLU 26	-791728	-971525	0.08	Si
90	7.6	5.4	19.01	5.4	8246	SLU 11	456058	2323876	0.102	-98709	SLU 26	-548396	-971525	0.08	Si
116	7.6	5.4	19.01	5.4	406259	SLU 30	839471	2323876	0.102	197002	SLU 1	-144314	-971525	0.08	Si
142	7.6	5.4	19.01	5.4	794365	SLU 30	1185434	2323876	0.102						Si
168	7.6	5.4	19.01	5.4	1145020	SLU 30	1493947	2323876	0.102						Si
194	7.6	5.4	19.01	5.4	1458224	SLU 30	1765008	2323876	0.102						Si
220	7.6	5.4	19.01	5.4	1733978	SLU 30	1998619	2323876	0.102						Si
245	7.6	5.4	31.89	5.8	1972281	SLU 30	2194779	3783572	0.178						Si
271	7.6	5.4	34.21	5.8	2173133	SLU 30	2353489	4033974	0.196						Si
284	7.6	5.4	34.21	5.8	2259516	SLU 30	2418986	4033974	0.196						Si
317	7.6	5.4	34.21	5.8	2438473	SLU 30	2438473	4033974	0.196						Si
336	7.6	5.4	34.21	5.8	2519369	SLU 30	2511866	4033974	0.196						Si
362	7.6	5.4	34.21	5.8	2626519	SLU 30	2577742	4033974	0.196						Si
387	7.6	5.4	34.21	5.8	2726837	SLU 30	2599701	4033974	0.196						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	630132	SLV 15	630132	2323876	0.102	-3187425	SLV 1	-2889483	-971525	0.08	No
23	7.6	5.4	19.01	5.4	715763	SLV 15	799637	2323876	0.102	-2600311	SLV 1	-2600311	-971525	0.08	No
26	7.6	5.4	19.01	5.4	727522	SLV 15	806603	2323876	0.102	-2514263	SLV 1	-2600311	-971525	0.08	No
52	7.6	5.4	19.01	5.4	799885	SLV 15	850873	2323876	0.102	-1866269	SLV 1	-2597816	-971525	0.08	No
77	7.6	5.4	19.01	5.4	847274	SLV 15	870323	2323876	0.102	-1243495	SLV 1	-1946667	-971525	0.08	No
90	7.6	5.4	19.01	5.4	861636	SLV 15	871851	2323876	0.102	-941599	SLV 1	-1630543	-971525	0.08	No
116	7.6	5.4	19.01	5.4	871851	SLV 15	871851	2323876	0.102	-356944	SLV 1	-1017248	-971525	0.08	No
142	7.6	5.4	19.01	5.4	858040	SLV 15	871851	2323876	0.102	201542	SLV 1	-429393	-971525	0.08	Si
168	7.6	5.4	19.01	5.4	829042	SLV 13	1320021	2323876	0.102						Si
194	7.6	5.4	19.01	5.4	1259002	SLV 1	1798932	2323876	0.102						Si
220	7.6	5.4	19.01	5.4	1740702	SLV 1	2254619	2323876	0.102						Si
245	7.6	5.4	31.89	5.8	2199434	SLV 1	2685782	3783572	0.178						Si
271	7.6	5.4	34.21	5.8	2633704	SLV 1	3092088	4033974	0.196						Si
284	7.6	5.4	34.21	5.8	2841535	SLV 1	3286000	4033974	0.196						Si
317	7.6	5.4	34.21	5.8	3348576	SLV 1	3348576	4033974	0.196						Si
336	7.6	5.4	34.21	5.8	3615600	SLV 1	3582920	4033974	0.196	-60620	SLV 15	-40046	-1003116	0.084	Si
362	7.6	5.4	34.21	5.8	3986736	SLV 1	3793260	4033974	0.196	-265297	SLV 15	-148628	-1003116	0.084	Si
387	7.6	5.4	34.21	5.8	4352653	SLV 1	3863374	4033974	0.196	-475267	SLV 15	-184822	-1003116	0.084	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4						-2123126	SLD 1	-1895045	-971525	0.08	No
23	7.6	5.4	19.01	5.4	-208732	SLD 15	55728	2323876	0.102	-1675816	SLD 1	-1675816	-971525	0.08	No
26	7.6	5.4	19.01	5.4	-176263	SLD 15	83394	2323876	0.102	-1610478	SLD 1	-1675816	-971525	0.08	No
52	7.6	5.4	19.01	5.4	56576	SLD 15	288056	2323876	0.102	-1122959	SLD 1	-1673921	-971525	0.08	No
77	7.6	5.4	19.01	5.4	264371	SLD 15	467743	2323876	0.102	-660592	SLD 1	-1183253	-971525	0.08	No
90	7.6	5.4	19.01	5.4	358892	SLD 15	548268	2323876	0.102	-438855	SLD 1	-947348	-971525	0.08	Si
116	7.6	5.4	19.01	5.4	529249	SLD 15	688181	2323876	0.102	-14342	SLD 1	-494418	-971525	0.08	Si
142	7.6	5.4	19.01	5.4	674980	SLD 15	821796	2323876	0.102	384602	SLD 1	-66736	-971525	0.08	Si
168	7.6	5.4	19.01	5.4	799960	SLD 13	1155353	2323876	0.102						Si
194	7.6	5.4	19.01	5.4	1114152	SLD 1	1475357	2323876	0.102						Si
220	7.6	5.4	19.01	5.4	1437144	SLD 1	1771090	2323876	0.102						Si
245	7.6	5.4	31.89	5.8	1735977	SLD 1	2041978	3783572	0.178						Si
271	7.6	5.4	34.21	5.8	2009993	SLD 1	2287874	4033974	0.196						Si
284	7.6	5.4	34.21	5.8	2137637	SLD 1	2401553	4033974	0.196						Si
317	7.6	5.4	34.21	5.8	2437645	SLD 1	2437645	4033974	0.196						Si
336	7.6	5.4	34.21	5.8	2590767	SLD 1	2572933	4033974	0.196						Si
362	7.6	5.4	34.21	5.8	2801377	SLD 1	2694363	4033974	0.196						Si
387	7.6	5.4	34.21	5.8	3006747	SLD 1	2734840	4033974	0.196						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	22264	SLU 30	22264	9541	76908	0	9541	1	Si
23	0.259	7.6	0	21009	SLU 30	21009	9541	76908	30011	30011	1	Si
26	0.259	7.6	0	20822	SLU 30	20822	9541	76908	30011	30011	1	Si
52	0.259	7.6	0	19373	SLU 30	19373	9541	76908	30011	30011	1	Si
77	0.259	7.6	0	17923	SLU 30	17923	9541	76908	30011	30011	1	Si
90	0.259	7.6	0	17198	SLU 30	17198	9541	76908	30011	30011	1	Si
116	0.221	19.01	0	15748	SLU 30	15748	12949	76908	25601	25601	1	Si
142	0.221	19.01	0	14299	SLU 30	14299	12949	76908	25601	25601	1	Si
168	0.221	19.01	0	12849	SLU 30	12849	12949	76908	25601	25601	1	Si
194	0.221	19.01	0	11399	SLU 30	11399	12949	76908	25601	25601	1	Si
220	0.221	19.01	0	9960	SLU 36	9960	12949	76908	25601	25601	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
245	0.221	19.01	0	8606	SLU 36	8606	12910	76427	25441	25441	1	Si
271	0.172	19.01	0	7252	SLU 36	7252	12906	76379	19870	19870	1	Si
284	0.172	19.01	0	6575	SLU 36	6575	12906	76379	19870	19870	1	Si
317	0.172	34.21	0	5149	SLU 35	5149	15699	76379	19870	19870	1	Si
336	0	34.21	0	4860	SLU 35	4860	15699	76379	0	15699	1	Si
362	0	34.21	0	4595	SLU 35	4595	15699	76379	0	15699	1	Si
387	0	34.21	0	4331	SLU 35	4331	15699	76379	0	15699	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	26545	SLV 1	29444	9541	76908	0	9541	1	Si
23	0.259	7.6	0	25704	SLV 1	28603	9541	76908	30011	30011	1	Si
26	0.259	7.6	0	25579	SLV 1	28478	9541	76908	30011	30011	1	Si
52	0.259	7.6	0	24607	SLV 1	27506	9541	76908	30011	30011	1	Si
52	0.259	19.01	0	2306	SLV 15	-593	-12949	-76908	-30011	-30011	1	Si
77	0.259	7.6	0	23636	SLV 1	26535	9541	76908	30011	30011	1	Si
77	0.259	19.01	0	1334	SLV 15	-1565	-12949	-76908	-30011	-30011	1	Si
90	0.259	7.6	0	23150	SLV 1	26049	9541	76908	30011	30011	1	Si
90	0.259	19.01	0	849	SLV 15	-2050	-12949	-76908	-30011	-30011	1	Si
116	0.221	7.6	0	22179	SLV 1	25078	9541	76908	25601	25601	1	Si
116	0.221	19.01	0	-123	SLV 15	-3022	-12949	-76908	-25601	-25601	1	Si
142	0.221	19.01	0	21207	SLV 1	24106	12949	76908	25601	25601	1	Si
142	0.221	19.01	0	-1094	SLV 15	-3994	-12949	-76908	-25601	-25601	1	Si
168	0.221	19.01	0	20235	SLV 1	23135	12949	76908	25601	25601	1	Si
168	0.221	19.01	0	-2066	SLV 15	-4965	-12949	-76908	-25601	-25601	1	Si
194	0.221	19.01	0	19264	SLV 1	22163	12949	76908	25601	25601	1	Si
194	0.221	19.01	0	-3037	SLV 15	-5937	-12949	-76908	-25601	-25601	1	Si
220	0.221	19.01	0	18292	SLV 1	21192	12949	76908	25601	25601	1	Si
220	0.221	19.01	0	-4009	SLV 15	-6908	-12949	-76908	-25601	-25601	1	Si
245	0.221	19.01	0	17321	SLV 1	20220	12910	76427	25441	25441	1	Si
245	0.221	19.01	0	-4980	SLV 15	-7880	-12910	-76427	-25441	-25441	1	Si
271	0.172	19.01	0	16349	SLV 1	19249	12906	76379	19870	19870	1	Si
271	0.172	19.01	0	-5952	SLV 15	-8851	-12906	-76379	-19870	-19870	1	Si
284	0.172	19.01	0	15864	SLV 1	18763	12906	76379	19870	19870	1	Si
284	0.172	19.01	0	-6438	SLV 15	-9337	-12906	-76379	-19870	-19870	1	Si
317	0.172	34.21	0	14709	SLV 1	17608	15699	76379	19870	19870	1	Si
317	0.172	34.21	0	-7593	SLV 15	-10492	-15699	-76379	-19870	-19870	1	Si
336	0	34.21	0	14474	SLV 1	17373	15699	76379	0	15699	1	Si
336	0	7.6	0	-7827	SLV 15	-10726	-9541	-76908	0	-9541	1	Si
362	0	34.21	0	14271	SLV 1	17170	15699	76379	0	15699	1	Si
362	0	7.6	0	-8031	SLV 15	-10930	-9541	-76908	0	-9541	1	Si
387	0	34.21	0	14067	SLV 1	16966	15699	76379	0	15699	1	Si
387	0	7.6	0	-8234	SLV 15	-11133	-9541	-76908	0	-9541	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	20328	SLD 1	20328	9541	76908	0	9541	1	Si
23	0.259	7.6	0	19487	SLD 1	19487	9541	76908	30011	30011	1	Si
26	0.259	7.6	0	19362	SLD 1	19362	9541	76908	30011	30011	1	Si
52	0.259	7.6	0	18390	SLD 1	18390	9541	76908	30011	30011	1	Si
77	0.259	7.6	0	17419	SLD 1	17419	9541	76908	30011	30011	1	Si
90	0.259	7.6	0	16933	SLD 1	16933	9541	76908	30011	30011	1	Si
116	0.221	7.6	0	15961	SLD 1	15961	9541	76908	25601	25601	1	Si
142	0.221	19.01	0	14990	SLD 1	14990	12949	76908	25601	25601	1	Si
168	0.221	19.01	0	14018	SLD 1	14018	12949	76908	25601	25601	1	Si
194	0.221	19.01	0	13047	SLD 1	13047	12949	76908	25601	25601	1	Si
220	0.221	19.01	0	12075	SLD 1	12075	12949	76908	25601	25601	1	Si
245	0.221	19.01	0	11104	SLD 1	11104	12910	76427	25441	25441	1	Si
271	0.172	19.01	0	10132	SLD 1	10132	12906	76379	19870	19870	1	Si
284	0.172	19.01	0	9646	SLD 1	9646	12906	76379	19870	19870	1	Si
284	0.172	19.01	0	-220	SLD 15	-220	-12906	-76379	-19870	-19870	1	Si
317	0.172	34.21	0	8491	SLD 1	8491	15699	76379	19870	19870	1	Si
317	0.172	34.21	0	-1376	SLD 15	-1376	-15699	-76379	-19870	-19870	1	Si
336	0	34.21	0	8257	SLD 1	8257	15699	76379	0	15699	1	Si
336	0	34.21	0	-1610	SLD 15	-1610	-15699	-76379	0	-15699	1	Si
362	0	34.21	0	8054	SLD 1	8054	15699	76379	0	15699	1	Si
362	0	34.21	0	-1813	SLD 15	-1813	-15699	-76379	0	-15699	1	Si
387	0	34.21	0	7850	SLD 1	7850	15699	76379	0	15699	1	Si
387	0	34.21	0	-2017	SLD 15	-2017	-15699	-76379	0	-15699	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1341757	3	-1157785	42.3	124.5	2542.5	1837	-1278646	2	-1106001	40.5	93.4	0	+∞	Si
23	-983511	3	-983511	20.3	124.5	329.9	1837	-942274	2	-942274	34.5	93.4	0	+∞	Si
26	-931448	3	-983511	20.3	124.5	329.9	1837	-893371	2	-942274	34.5	93.4	0	+∞	Si
52	-548430	3	-982001	20.2	124.5	329.4	1837	-533192	2	-940856	34.4	93.4	0	+∞	Si
77	-212297	8	-595564	12.3	124.5	199.8	1837	-207242	1	-577533	21.1	93.4	0	+∞	Si
90	-64424	8	-415619	8.6	124.5	139.4	1837	-62427	1	-405283	14.8	93.4	0	+∞	Si
116	289722	3	610681	18.6	124.5	557	1837	257453	2	561554	17.1	93.4	0	+∞	Si
142	577224	3	867474	26.4	124.5	791.2	1837	529791	2	805649	24.5	93.4	0	+∞	Si
168	837437	3	1096977	33.4	124.5	1000.5	1837	777031	2	1024647	31.2	93.4	0	+∞	Si
194	1070359	3	1299190	39.5	124.5	1184.9	1837	999173	2	1218547	37.1	93.4	0	+∞	Si
220	1275991	3	1474113	44.8	124.5	1344.4	1837	1196218	2	1387350	42.2	93.4	0	+∞	Si
245	1454333	3	1621745	42.4	124.5	919.7	1837	1368165	2	1531055	40	93.4	0	+∞	Si
271	1605384	3	1742088	44.7	124.5	926.2	1837	1515015	2	1649663	42.3	93.4	0	+∞	Si
284	1670676	3	1792159	45.9	124.5	952.9	1837	1579028	2	1699677	43.6	93.4	0	+∞	Si
317	1807131	3	1807131	46.3	124.5	960.8	1837	1714752	2	1714752	43.9	93.4	0	+∞	Si
336	1869341	3	1863484	47.8	124.5	990.8	1837	1777490	2	1771437	45.4	93.4	0	+∞	Si
362	1951774	3	1914065	49.1	124.5	1017.7	1837	1860720	2	1822316	46.7	93.4	0	+∞	Si
387	2028952	3	1930925	49.5	124.5	1026.6	1837	1938693	2	1839276	47.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.004	0.003	0.004	0.003	0.004	0.003	0.004	0.003	0.004	0.003	0.009	2	0.007	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
26	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.01	2	0.008	2	9999	Si
52	0.011	0.009	0.012	0.008	0.011	0.009	0.011	0.008	0.01	0.009	0.025	2	0.02	2	9999	Si
77	0.019	0.015	0.019	0.014	0.018	0.015	0.017	0.014	0.017	0.015	0.042	2	0.034	2	9279	Si
90	0.023	0.019	0.023	0.017	0.021	0.019	0.021	0.017	0.021	0.019	0.051	2	0.042	2	7672	Si
116	0.03	0.025	0.031	0.023	0.029	0.025	0.028	0.023	0.028	0.025	0.068	2	0.057	2	5701	Si
142	0.037	0.031	0.038	0.029	0.035	0.031	0.035	0.029	0.035	0.031	0.084	2	0.071	2	4589	Si
168	0.043	0.036	0.045	0.034	0.041	0.036	0.041	0.034	0.04	0.036	0.099	2	0.083	2	3920	Si
194	0.048	0.04	0.05	0.038	0.045	0.04	0.046	0.038	0.045	0.04	0.11	2	0.092	2	3516	Si
220	0.05	0.042	0.053	0.04	0.048	0.042	0.049	0.04	0.047	0.042	0.117	2	0.098	2	3304	Si
232	0.05	0.043	0.054	0.041	0.048	0.043	0.049	0.041	0.047	0.043	0.119	2	0.1	2	3267	Si
245	0.05	0.043	0.054	0.041	0.048	0.043	0.05	0.041	0.047	0.043	0.118	2	0.1	2	3273	Si
271	0.047	0.041	0.052	0.04	0.045	0.041	0.048	0.04	0.045	0.041	0.113	2	0.097	2	3417	Si
284	0.045	0.039	0.051	0.039	0.043	0.039	0.046	0.039	0.042	0.039	0.108	2	0.093	2	3572	Si
317	0.035	0.03	0.041	0.032	0.033	0.03	0.038	0.032	0.033	0.03	0.087	2	0.076	2	4432	Si
336	0.027	0.024	0.034	0.026	0.026	0.024	0.031	0.026	0.026	0.024	0.07	2	0.061	2	5502	Si
362	0.014	0.012	0.019	0.015	0.013	0.012	0.018	0.015	0.013	0.012	0.039	2	0.035	2	9810	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	14554	14050	30011	SLV 1	0.4	898	1.1	-942274	-1658037	-971525	SLV 1	0	0	0	No
26	14428	14050	30011	SLV 1	0.4	916	1.109	-942274	-1658037	-971525	SLV 1	0	0	0	No
52	13457	14050	30011	SLV 1	0.43	1069	1.181	-940856	-1656960	-971525	SLV 1	0	0	0	No
77	12485	14050	30011	SLV 1	0.45	1244	1.257	-577533	-1369134	-971525	SLV 1	0.11	51	0.339	No
90	11999	14050	30011	SLV 1	0.46	1337	1.295	-405283	-1225260	-971525	SLV 1	0.17	130	0.498	No
116	11028	14050	25601	SLV 1	0.38	778	1.037	-79606	-937643	-971525	SLV 1	0.35	630	0.951	No
142	10056	14050	25601	SLV 1	0.4	910	1.106	220974	-650366	-971525	SLV 1	0.57	2474	1.666	Si
168	9085	14050	25601	SLV 1	0.42	1063	1.179	496456	-364043	-971525	SLV 1	0.57	2474	1.666	Si
194	8113	14050	25601	SLV 1	0.45	1236	1.254	1218547	580385	2323876	SLV 1	0.57	2474	1.666	Si
220	7142	14050	25601	SLV 1	0.47	1427	1.33	1387350	867269	2323876	SLV 1	0.39	858	1.079	Si
245	6170	14050	25441	SLV 1	0.49	1600	1.394	1531055	1154727	3783572	SLV 1	0.57	2474	1.666	Si
271	5199	14050	19870	SLV 1	0.38	791	1.044	1649663	1442425	4033974	SLV 1	0.57	2474	1.666	Si
284	4713	14050	19870	SLV 1	0.39	856	1.078	1699677	1586323	4033974	SLV 1	0.53	1931	1.505	Si
317	3558	14050	19870	SLV 1	0.42	1028	1.163	1714752	1633825	4033974	SLV 1	0.51	1754	1.447	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	14554	4933	30011	SLD 1	0.42	1029	2.926	-942274	-733542	-971525	SLD 1	0	0	0	No
26	14428	4933	30011	SLD 1	0.42	1050	2.951	-942274	-733542	-971525	SLD 1	0	0	0	No
52	13457	4933	30011	SLD 1	0.45	1235	3.154	-940856	-733065	-971525	SLD 1	0	0	0	No
77	12485	4933	30011	SLD 1	0.47	1436	3.355	-577533	-605721	-971525	SLD 1	0.09	35	0.732	No
90	11999	4933	30011	SLD 1	0.49	1545	3.457	-405283	-542065	-971525	SLD 1	0.15	90	1.078	Si
116	11028	4933	25601	SLD 1	0.4	885	2.751	-79606	-414812	-971525	SLD 1	0.29	417	2.021	Si
142	10056	4933	25601	SLD 1	0.42	1044	2.944	220974	-287709	-971525	SLD 1	0.55	2170	3.974	Si
168	9085	4933	25601	SLD 1	0.45	1227	3.145	496456	-161027	-971525	SLD 1	0.6	2474	4.193	Si
194	8113	4933	25601	SLD 1	0.47	1428	3.347	1218547	256810	2323876	SLD 1	0.57	2400	4.141	Si
220	7142	4933	25601	SLD 1	0.5	1649	3.55	1387350	383740	2323876	SLD 1	0.33	557	2.275	Si
245	6170	4933	25441	SLD 1	0.52	1851	3.723	1531055	510922	3783572	SLD 1	0.58	2474	4.193	Si
271	5199	4933	19870	SLD 1	0.4	900	2.77	1649663	638211	4033974	SLD 1	0.5	1643	3.545	Si
284	4713	4933	19870	SLD 1	0.41	974	2.861	1699677	701877	4033974	SLD 1	0.44	1206	3.123	Si
317	3558	4933	19870	SLD 1	0.44	1188	3.104	1714752	722893	4033974	SLD 1	0.43	1096	3.003	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" 67-(2361; 1803)

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 67 - 68, sezione R 45x70, asta 686

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4						-1989296	SLU 30	-1719790	-971525	0.08	No
23	7.6	5.4	19.01	5.4						-1464216	SLU 30	-1464216	-971525	0.08	No
26	7.6	5.4	19.01	5.4						-1387878	SLU 30	-1464216	-971525	0.08	No
52	7.6	5.4	19.01	5.4						-825666	SLU 30	-1462002	-971525	0.08	No
77	7.6	5.4	19.01	5.4	-228838	SLU 11	238074	2323876	0.102	-320019	SLU 26	-894877	-971525	0.08	Si
90	7.6	5.4	19.01	5.4	-22711	SLU 12	462817	2323876	0.102	-122716	SLU 24	-626017	-971525	0.08	Si
116	7.6	5.4	19.01	5.4	408341	SLU 30	882898	2323876	0.102	200620	SLU 1	-172044	-971525	0.08	Si
142	7.6	5.4	19.01	5.4	833334	SLU 30	1263773	2323876	0.102						Si
168	7.6	5.4	19.01	5.4	1219122	SLU 30	1605443	2323876	0.102						Si
194	7.6	5.4	19.01	5.4	1565704	SLU 30	1907907	2323876	0.102						Si
220	7.6	5.4	28.41	5.7	1873080	SLU 30	2171166	3400867	0.153						Si
245	7.6	5.4	34.21	5.8	2141251	SLU 30	2395219	4033974	0.196						Si
271	7.6	5.4	34.21	5.8	2370216	SLU 30	2580067	4033974	0.196						Si
284	7.6	5.4	34.21	5.8	2469997	SLU 30	2657980	4033974	0.196						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
317	7.6	5.4	34.21	5.8	2681462	SLU 30	2681462	4033974	0.196						Si
336	7.6	5.4	34.21	5.8	2779439	SLU 30	2769817	4033974	0.196						Si
362	7.6	5.4	34.21	5.8	2910601	SLU 30	2849123	4033974	0.196						Si
387	7.6	5.4	34.21	5.8	3034931	SLU 30	2875558	4033974	0.196						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	288461	SLV 15	288461	2323876	0.102	-3101629	SLV 1	-2801123	-971525	0.08	No
23	7.6	5.4	19.01	5.4	423406	SLV 15	569739	2323876	0.102	-2509857	SLV 1	-2509857	-971525	0.08	No
26	7.6	5.4	19.01	5.4	442428	SLV 15	570192	2323876	0.102	-2423160	SLV 1	-2509857	-971525	0.08	No
52	7.6	5.4	19.01	5.4	570192	SLV 15	682066	2323876	0.102	-1770978	SLV 1	-2507343	-971525	0.08	No
77	7.6	5.4	19.01	5.4	671790	SLV 13	754339	2323876	0.102	-1145119	SLV 3	-1851867	-971525	0.08	No
90	7.6	5.4	19.01	5.4	712800	SLV 13	780800	2323876	0.102	-842083	SLV 3	-1509521	-971525	0.08	No
116	7.6	5.4	19.01	5.4	775363	SLV 13	815460	2323876	0.102	-255924	SLV 3	-918018	-971525	0.08	Si
142	7.6	5.4	19.01	5.4	812695	SLV 13	933250	2323876	0.102	302978	SLV 3	-328529	-971525	0.08	Si
168	7.6	5.4	19.01	5.4	874766	SLV 1	1414152	2323876	0.102						Si
194	7.6	5.4	19.01	5.4	1353456	SLV 1	1890163	2323876	0.102						Si
220	7.6	5.4	28.41	5.7	1832394	SLV 1	2341641	3400867	0.153						Si
245	7.6	5.4	34.21	5.8	2287092	SLV 1	2767252	4033974	0.196						Si
271	7.6	5.4	34.21	5.8	2715968	SLV 1	3166761	4033974	0.196						Si
284	7.6	5.4	34.21	5.8	2920629	SLV 1	3356826	4033974	0.196						Si
317	7.6	5.4	34.21	5.8	3418063	SLV 1	3418063	4033974	0.196						Si
336	7.6	5.4	34.21	5.8	3679255	SLV 1	3647360	4033974	0.196						Si
362	7.6	5.4	34.21	5.8	4042114	SLV 1	3853170	4033974	0.196						Si
387	7.6	5.4	34.21	5.8	4399737	SLV 1	3921773	4033974	0.196	-82761	SLV 15	-82761	-1003116	0.084	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4						-2156474	SLD 1	-1919622	-971525	0.08	No
23	7.6	5.4	19.01	5.4						-1692058	SLD 1	-1692058	-971525	0.08	No
26	7.6	5.4	19.01	5.4						-1624228	SLD 1	-1692058	-971525	0.08	No
52	7.6	5.4	19.01	5.4	-82540	SLD 15	193793	2323876	0.102	-1118245	SLD 1	-1690091	-971525	0.08	No
77	7.6	5.4	19.01	5.4	165213	SLD 13	412104	2323876	0.102	-638541	SLD 3	-1180817	-971525	0.08	No
90	7.6	5.4	19.01	5.4	279270	SLD 13	511490	2323876	0.102	-408554	SLD 3	-925202	-971525	0.08	Si
116	7.6	5.4	19.01	5.4	487801	SLD 13	691199	2323876	0.102	31638	SLD 3	-466184	-971525	0.08	Si
142	7.6	5.4	19.01	5.4	670529	SLD 13	893062	2323876	0.102	445143	SLD 3	-22686	-971525	0.08	Si
168	7.6	5.4	19.01	5.4	849541	SLD 1	1241050	2323876	0.102						Si
194	7.6	5.4	19.01	5.4	1198411	SLD 1	1572147	2323876	0.102						Si
220	7.6	5.4	28.41	5.7	1532637	SLD 1	1877751	3400867	0.153						Si
245	7.6	5.4	34.21	5.8	1841500	SLD 1	2157276	4033974	0.196						Si
271	7.6	5.4	34.21	5.8	2124303	SLD 1	2410619	4033974	0.196						Si
284	7.6	5.4	34.21	5.8	2255891	SLD 1	2527586	4033974	0.196						Si
317	7.6	5.4	34.21	5.8	2564694	SLD 1	2564694	4033974	0.196						Si
336	7.6	5.4	34.21	5.8	2722119	SLD 1	2703773	4033974	0.196						Si
362	7.6	5.4	34.21	5.8	2938746	SLD 1	2828607	4033974	0.196						Si
387	7.6	5.4	34.21	5.8	3150125	SLD 1	2870219	4033974	0.196						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	24035	SLU 30	24035	9541	76908	0	9541	1	Si
23	0.259	7.6	0	22718	SLU 30	22718	9541	76908	30011	30011	1	Si
26	0.259	7.6	0	22522	SLU 30	22522	9541	76908	30011	30011	1	Si
52	0.259	7.6	0	21004	SLU 30	21004	9541	76908	30011	30011	1	Si
77	0.259	7.6	0	19487	SLU 30	19487	9541	76908	30011	30011	1	Si
90	0.259	7.6	0	18728	SLU 30	18728	9541	76908	30011	30011	1	Si
116	0.221	19.01	0	17210	SLU 30	17210	12949	76908	25601	25601	1	Si
142	0.221	19.01	0	15693	SLU 30	15693	12949	76908	25601	25601	1	Si
168	0.221	19.01	0	14175	SLU 30	14175	12949	76908	25601	25601	1	Si
194	0.221	19.01	0	12657	SLU 30	12657	12949	76908	25601	25601	1	Si
220	0.221	19.01	0	11140	SLU 30	11140	12917	76514	25470	25470	1	Si
245	0.221	19.01	0	9703	SLU 36	9703	12906	76379	25425	25425	1	Si
271	0.172	19.01	0	8287	SLU 36	8287	12906	76379	19870	19870	1	Si
284	0.172	28.41	0	7578	SLU 36	7578	14756	76379	19870	19870	1	Si
317	0.172	34.21	0	6017	SLU 35	6017	15699	76379	19870	19870	1	Si
336	0	34.21	0	5721	SLU 35	5721	15699	76379	0	15699	1	Si
362	0	34.21	0	5456	SLU 35	5456	15699	76379	0	15699	1	Si
387	0	34.21	0	5192	SLU 35	5192	15699	76379	0	15699	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	26772	SLV 1	29413	9541	76908	0	9541	1	Si
23	0.259	7.6	0	25890	SLV 1	28531	9541	76908	30011	30011	1	Si
26	0.259	7.6	0	25759	SLV 1	28400	9541	76908	30011	30011	1	Si
52	0.259	7.6	0	24743	SLV 1	27384	9541	76908	30011	30011	1	Si
77	0.259	7.6	0	23727	SLV 1	26368	9541	76908	30011	30011	1	Si
90	0.259	7.6	0	23219	SLV 1	25860	9541	76908	30011	30011	1	Si
116	0.221	7.6	0	22203	SLV 1	24844	9541	76908	25601	25601	1	Si
116	0.221	19.01	0	1892	SLV 15	-748	-12949	-76908	-25601	-25601	1	Si
142	0.221	19.01	0	21188	SLV 1	23828	12949	76908	25601	25601	1	Si
142	0.221	19.01	0	877	SLV 15	-1764	-12949	-76908	-25601	-25601	1	Si
168	0.221	19.01	0	20172	SLV 1	22812	12949	76908	25601	25601	1	Si
168	0.221	19.01	0	-139	SLV 15	-2780	-12949	-76908	-25601	-25601	1	Si
194	0.221	19.01	0	19156	SLV 1	21796	12949	76908	25601	25601	1	Si
194	0.221	19.01	0	-1155	SLV 15	-3796	-12949	-76908	-25601	-25601	1	Si
220	0.221	19.01	0	18140	SLV 1	20780	12917	76514	25470	25470	1	Si
220	0.221	19.01	0	-2171	SLV 15	-4812	-12917	-76514	-25470	-25470	1	Si
245	0.221	19.01	0	17124	SLV 1	19764	12906	76379	25425	25425	1	Si
245	0.221	19.01	0	-3187	SLV 15	-5828	-12906	-76379	-25425	-25425	1	Si
271	0.172	19.01	0	16108	SLV 1	18748	12906	76379	19870	19870	1	Si
271	0.172	19.01	0	-4203	SLV 15	-6844	-12906	-76379	-19870	-19870	1	Si
284	0.172	28.41	0	15600	SLV 1	18240	14756	76379	19870	19870	1	Si
284	0.172	28.41	0	-4711	SLV 15	-7352	-14756	-76379	-19870	-19870	1	Si
317	0.172	34.21	0	14392	SLV 1	17032	15699	76379	19870	19870	1	Si
317	0.172	34.21	0	-5919	SLV 15	-8560	-15699	-76379	-19870	-19870	1	Si
336	0	34.21	0	14151	SLV 1	16792	15699	76379	0	15699	1	Si
336	0	34.21	0	-6160	SLV 15	-8800	-15699	-76379	0	-15699	1	Si
362	0	34.21	0	13948	SLV 1	16588	15699	76379	0	15699	1	Si
362	0	34.21	0	-6363	SLV 15	-9004	-15699	-76379	0	-15699	1	Si
387	0	34.21	0	13744	SLV 1	16385	15699	76379	0	15699	1	Si
387	0	7.6	0	-6567	SLV 15	-9207	-9541	-76908	0	-9541	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	21110	SLD 1	21110	9541	76908	0	9541	1	Si
23	0.259	7.6	0	20228	SLD 1	20228	9541	76908	30011	30011	1	Si
26	0.259	7.6	0	20097	SLD 1	20097	9541	76908	30011	30011	1	Si
52	0.259	7.6	0	19081	SLD 1	19081	9541	76908	30011	30011	1	Si
77	0.259	7.6	0	18065	SLD 1	18065	9541	76908	30011	30011	1	Si
90	0.259	7.6	0	17557	SLD 1	17557	9541	76908	30011	30011	1	Si
116	0.221	19.01	0	16541	SLD 1	16541	12949	76908	25601	25601	1	Si
142	0.221	19.01	0	15525	SLD 1	15525	12949	76908	25601	25601	1	Si
168	0.221	19.01	0	14509	SLD 1	14509	12949	76908	25601	25601	1	Si
194	0.221	19.01	0	13493	SLD 1	13493	12949	76908	25601	25601	1	Si
220	0.221	19.01	0	12477	SLD 1	12477	12917	76514	25470	25470	1	Si
245	0.221	19.01	0	11461	SLD 1	11461	12906	76379	25425	25425	1	Si
271	0.172	19.01	0	10445	SLD 1	10445	12906	76379	19870	19870	1	Si
284	0.172	28.41	0	9938	SLD 1	9938	14756	76379	19870	19870	1	Si
317	0.172	34.21	0	8729	SLD 1	8729	15699	76379	19870	19870	1	Si
317	0.172	34.21	0	-257	SLD 15	-257	-15699	-76379	-19870	-19870	1	Si
336	0	34.21	0	8489	SLD 1	8489	15699	76379	0	15699	1	Si
336	0	34.21	0	-498	SLD 15	-498	-15699	-76379	0	-15699	1	Si
362	0	34.21	0	8285	SLD 1	8285	15699	76379	0	15699	1	Si
362	0	34.21	0	-701	SLD 15	-701	-15699	-76379	0	-15699	1	Si
387	0	34.21	0	8082	SLD 1	8082	15699	76379	0	15699	1	Si
387	0	34.21	0	-904	SLD 15	-904	-15699	-76379	0	-15699	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1478776	3	-1280167	46.8	124.5	2811.2	1837	-1406584	2	-1220242	44.6	93.4	0	+∞	Si
23	-1091707	3	-1091707	39.9	124.5	2397.4	1837	-1043225	2	-1043225	38.2	93.4	0	+∞	Si
26	-1035421	3	-1091707	39.9	124.5	2397.4	1837	-990366	2	-1043225	38.2	93.4	0	+∞	Si
52	-620623	3	-1090074	39.9	124.5	2393.8	1837	-600393	2	-1041692	38.1	93.4	0	+∞	Si
77	-244074	8	-671698	13.8	124.5	225.3	1837	-240538	1	-648431	23.7	93.4	0	+∞	Si
90	-83751	6	-473219	9.8	124.5	158.8	1837	-83078	1	-461642	16.9	93.4	0	+∞	Si
116	291435	3	643047	19.6	124.5	586.5	1837	259720	2	592721	18	93.4	0	+∞	Si
142	606283	3	925760	28.2	124.5	844.3	1837	557836	2	861305	26.2	93.4	0	+∞	Si
168	892574	3	1179915	35.9	124.5	1076.1	1837	829708	2	1103644	33.6	93.4	0	+∞	Si
194	1150307	3	1405514	42.7	124.5	1281.9	1837	1075335	2	1319738	40.1	93.4	0	+∞	Si
220	1379484	3	1602555	43.3	124.5	1010.6	1837	1294717	2	1509587	40.8	93.4	0	+∞	Si
245	1580103	3	1771039	45.4	124.5	941.6	1837	1487855	2	1673191	42.9	93.4	0	+∞	Si
271	1752164	3	1910965	49	124.5	1016	1837	1654747	2	1810551	46.4	93.4	0	+∞	Si
284	1827487	3	1970358	50.5	124.5	1047.6	1837	1728352	2	1869513	47.9	93.4	0	+∞	Si
317	1988332	3	1988332	51	124.5	1057.2	1837	1887474	2	1887474	48.4	93.4	0	+∞	Si
336	2063380	3	2055927	52.7	124.5	1093.1	1837	1962561	2	1954968	50.1	93.4	0	+∞	Si
362	2163862	3	2116598	54.2	124.5	1125.4	1837	2063152	2	2015548	51.7	93.4	0	+∞	Si
387	2259089	3	2136822	54.8	124.5	1136.1	1837	2158488	2	2035741	52.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.004	0.003	0.005	0.003	0.004	0.003	0.004	0.003	0.004	0.003	0.008	2	0.007	2	9999	Si
26	0.005	0.004	0.006	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si
52	0.012	0.01	0.013	0.01	0.011	0.01	0.012	0.01	0.011	0.01	0.026	2	0.022	2	9999	Si
77	0.02	0.016	0.022	0.016	0.019	0.016	0.02	0.016	0.018	0.016	0.044	2	0.037	2	8827	Si
90	0.024	0.02	0.026	0.019	0.023	0.02	0.024	0.019	0.022	0.02	0.053	2	0.046	2	7264	Si
116	0.032	0.027	0.035	0.026	0.031	0.027	0.032	0.026	0.03	0.027	0.072	2	0.062	2	5362	Si
142	0.04	0.034	0.043	0.033	0.038	0.034	0.04	0.033	0.037	0.034	0.09	2	0.078	2	4296	Si
168	0.046	0.039	0.051	0.039	0.044	0.039	0.046	0.039	0.043	0.039	0.106	2	0.091	2	3658	Si
194	0.051	0.044	0.057	0.043	0.049	0.044	0.052	0.043	0.048	0.044	0.118	2	0.102	2	3271	Si
220	0.054	0.046	0.061	0.046	0.051	0.046	0.056	0.046	0.051	0.046	0.126	2	0.109	2	3068	Si
245	0.054	0.046	0.062	0.048	0.052	0.046	0.057	0.048	0.051	0.046	0.128	2	0.112	2	3025	Si
271	0.051	0.044	0.061	0.047	0.049	0.044	0.056	0.047	0.048	0.044	0.123	2	0.108	2	3141	Si
284	0.049	0.042	0.058	0.045	0.047	0.042	0.054	0.045	0.046	0.042	0.118	2	0.104	2	3277	Si
317	0.038	0.033	0.048	0.037	0.036	0.033	0.044	0.037	0.036	0.033	0.096	2	0.085	2	4045	Si
336	0.03	0.026	0.039	0.031	0.029	0.026	0.036	0.031	0.028	0.026	0.077	2	0.069	2	5009	Si
362	0.015	0.013	0.022	0.017	0.015	0.013	0.021	0.017	0.014	0.013	0.044	2	0.039	2	8905	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	15735	12796	30011	SLV 1	0.4	929	1.115	-1043225	-1466632	-971525	SLV 1	0	0	0	No
26	15604	12796	30011	SLV 1	0.41	950	1.126	-1043225	-1466632	-971525	SLV 1	0	0	0	No
52	14588	12796	30011	SLV 1	0.44	1136	1.211	-1041692	-1465650	-971525	SLV 1	0	0	0	No
77	13572	12796	30011	SLV 1	0.46	1344	1.298	-648431	-1203436	-971525	SLV 1	0.1	45	0.322	No
90	13064	12796	30011	SLV 1	0.48	1457	1.341	-461642	-1047880	-971525	SLV 3	0.18	144	0.519	No
116	12048	12796	25601	SLV 1	0.38	818	1.059	-107747	-810271	-971525	SLV 3	0.39	832	1.066	Si
142	11032	12796	25601	SLV 1	0.41	977	1.139	219902	-548431	-971525	SLV 3	0.57	2474	1.666	Si
168	10016	12796	25601	SLV 1	0.44	1167	1.225	1103644	310508	2323876	SLV 1	0.57	2474	1.666	Si
194	9000	12796	25601	SLV 1	0.47	1380	1.312	1319738	570425	2323876	SLV 1	0.57	2474	1.666	Si
220	7984	12796	25470	SLV 1	0.49	1584	1.388	1509587	832054	3400867	SLV 1	0.57	2474	1.666	Si
245	6968	12796	25425	SLV 1	0.52	1831	1.473	1673191	1094061	4033974	SLV 1	0.57	2474	1.666	Si
271	5952	12796	19870	SLV 1	0.39	873	1.087	1810551	1356210	4033974	SLV 1	0.57	2474	1.666	Si
284	5444	12796	19870	SLV 1	0.41	953	1.127	1869513	1487313	4033974	SLV 1	0.52	1875	1.487	Si
317	4236	12796	19870	SLV 1	0.44	1177	1.229	1887474	1530589	4033974	SLV 1	0.5	1698	1.428	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	15735	4493	30011	SLD 1	0.43	1068	2.971	-1043225	-648833	-971525	SLD 1	0	0	0	No
26	15604	4493	30011	SLD 1	0.43	1095	3.002	-1043225	-648833	-971525	SLD 1	0	0	0	No
52	14588	4493	30011	SLD 1	0.46	1311	3.232	-1041692	-648399	-971525	SLD 1	0	0	0	No
77	13572	4493	30011	SLD 1	0.49	1554	3.465	-648431	-532387	-971525	SLD 1	0.08	30	0.687	No
90	13064	4493	30011	SLD 1	0.5	1685	3.582	-461642	-463561	-971525	SLD 3	0.15	99	1.121	Si
116	12048	4493	25601	SLD 1	0.4	932	2.81	-107747	-358437	-971525	SLD 3	0.33	540	2.246	Si
142	11032	4493	25601	SLD 1	0.43	1128	3.039	219902	-242588	-971525	SLD 3	0.6	2474	4.193	Si
168	10016	4493	25601	SLD 1	0.46	1348	3.269	1103644	137406	2323876	SLD 1	0.6	2474	4.193	Si
194	9000	4493	25601	SLD 1	0.49	1596	3.503	1319738	252409	2323876	SLD 1	0.53	1944	3.798	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
220	7984	4493	25470	SLD 1	0.52	1832	3.707	1509587	368164	3400867	SLD 1	0.6	2474	4.193	Si
245	6968	4493	25425	SLD 1	0.54	2118	3.934	1673191	484085	4033974	SLD 1	0.6	2474	4.193	Si
271	5952	4493	19870	SLD 1	0.42	997	2.889	1810551	600068	4033974	SLD 1	0.49	1607	3.513	Si
284	5444	4493	19870	SLD 1	0.43	1099	3.006	1869513	658073	4033974	SLD 1	0.44	1172	3.087	Si
317	4236	4493	19870	SLD 1	0.46	1360	3.281	1887474	677219	4033974	SLD 1	0.42	1060	2.962	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" 70-25D

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 70 - 67, sezione R 45x70, asta 697

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	19.01	5.4						-356721	SLU 29	-331001	-2772814	0.097	Si
20	22.81	5.4	19.01	5.4						-311851	SLU 29	-311731	-2772814	0.097	Si
23	22.81	5.4	19.01	5.4						-307788	SLU 29	-307788	-2772814	0.097	Si
41	22.81	5.4	18.54	5.4						-271282	SLU 29	-307788	-2772907	0.097	Si
61	22.81	5.4	17.16	5.4						-235016	SLU 29	-287792	-2773061	0.098	Si
82	22.81	5.4	15.21	5.4						-203053	SLU 29	-249728	-2773116	0.1	Si
92	22.81	5.4	15.21	5.4						-188684	SLU 29	-232309	-2773116	0.1	Si
113	22.81	5.4	15.21	5.4						-163174	SLU 29	-200698	-2773116	0.1	Si
133	22.81	5.4	15.21	5.4						-141967	SLU 29	-173389	-2773116	0.1	Si
154	22.81	5.4	15.21	5.4						-125061	SLU 29	-150383	-2773116	0.1	Si
174	22.81	5.4	15.21	5.4						-112867	SLU 20	-131679	-2773116	0.1	Si
195	22.81	5.4	15.21	5.4						-106023	SLU 20	-117277	-2773116	0.1	Si
215	22.81	5.4	15.21	5.4						-103482	SLU 20	-108434	-2773116	0.1	Si
236	22.81	5.4	15.21	5.4						-105242	SLU 20	-115189	-2773116	0.1	Si
246	22.81	5.4	17.16	5.4						-107736	SLU 20	-120733	-2773061	0.098	Si
266	22.81	5.4	18.54	5.4						-115950	SLU 20	-127996	-2772907	0.097	Si
285	22.81	5.4	19.01	5.4						-127996	SLU 19	-127996	-2772814	0.097	Si
287	22.81	5.4	19.01	5.4						-129595	SLU 19	-129585	-2772814	0.097	Si
307	22.81	5.4	19.01	5.4						-149221	SLU 19	-137355	-2772814	0.097	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	19.01	5.4	2100350	SLV 7	1969452	2322640	0.091	-2615701	SLV 9	-2446722	-2772814	0.097	Si
20	22.81	5.4	19.01	5.4	1859728	SLV 7	1858690	2322640	0.091	-2308760	SLV 9	-2307550	-2772814	0.097	Si
23	22.81	5.4	19.01	5.4	1836024	SLV 7	1836024	2322640	0.091	-2279070	SLV 9	-2279070	-2772814	0.097	Si
41	22.81	5.4	18.54	5.4	1616000	SLV 7	1836024	2267875	0.09	-2005332	SLV 9	-2279070	-2772907	0.097	Si
61	22.81	5.4	17.16	5.4	1369301	SLV 7	1718209	2104432	0.089	-1705554	SLV 9	-2131807	-2773061	0.098	Si
82	22.81	5.4	15.21	5.4	1119904	SLV 7	1472733	1872416	0.087	-1409695	SLV 9	-1830484	-2773116	0.1	Si
92	22.81	5.4	15.21	5.4	994355	SLV 7	1348914	1872416	0.087	-1263397	SLV 9	-1681223	-2773116	0.1	Si
113	22.81	5.4	15.21	5.4	742187	SLV 7	1099326	1872416	0.087	-974697	SLV 9	-1385716	-2773116	0.1	Si
133	22.81	5.4	15.21	5.4	489990	SLV 11	847705	1872416	0.087	-692585	SLV 5	-1094796	-2773116	0.1	Si
154	22.81	5.4	15.21	5.4	239293	SLV 11	595325	1872416	0.087	-418594	SLV 5	-809734	-2773116	0.1	Si
174	22.81	5.4	15.21	5.4	23226	SLV 15	343898	1872416	0.087	-185850	SLV 1	-532246	-2773116	0.1	Si
195	22.81	5.4	15.21	5.4	183459	SLV 9	570664	1872416	0.087	-336026	SLV 7	-720430	-2773116	0.1	Si
215	22.81	5.4	15.21	5.4	456905	SLV 9	840965	1872416	0.087	-606034	SLV 7	-996679	-2773116	0.1	Si
236	22.81	5.4	15.21	5.4	728360	SLV 9	1108305	1872416	0.087	-880670	SLV 7	-1276587	-2773116	0.1	Si
246	22.81	5.4	17.16	5.4	863039	SLV 9	1240813	2104432	0.089	-1019421	SLV 7	-1417860	-2773061	0.098	Si
266	22.81	5.4	18.54	5.4	1130131	SLV 9	1368423	2267875	0.09	-1299622	SLV 7	-1555556	-2772907	0.097	Si
285	22.81	5.4	19.01	5.4	1368423	SLV 9	1368423	2322640	0.091	-1555556	SLV 7	-1555556	-2772814	0.097	Si
287	22.81	5.4	19.01	5.4	1394099	SLV 9	1392952	2322640	0.091	-1583318	SLV 7	-1582173	-2772814	0.097	Si
307	22.81	5.4	19.01	5.4	1654874	SLV 9	1512819	2322640	0.091	-1870440	SLV 7	-1712240	-2772814	0.097	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	19.01	5.4	785769	SLD 7	738459	2322640	0.091	-1301119	SLD 9	-1215729	-2772814	0.097	Si
20	22.81	5.4	19.01	5.4	697777	SLD 7	697366	2322640	0.091	-1146809	SLD 9	-1146226	-2772814	0.097	Si
23	22.81	5.4	19.01	5.4	688956	SLD 7	688956	2322640	0.091	-1132002	SLD 9	-1132002	-2772814	0.097	Si
41	22.81	5.4	18.54	5.4	606566	SLD 7	688956	2267875	0.09	-995899	SLD 9	-1132002	-2772907	0.097	Si
61	22.81	5.4	17.16	5.4	512196	SLD 7	645031	2104432	0.089	-848448	SLD 9	-1058629	-2773061	0.098	Si
82	22.81	5.4	15.21	5.4	414786	SLD 7	551973	1872416	0.087	-704577	SLD 9	-909723	-2773116	0.1	Si
92	22.81	5.4	15.21	5.4	365013	SLD 7	504273	1872416	0.087	-634055	SLD 9	-836582	-2773116	0.1	Si
113	22.81	5.4	15.21	5.4	263610	SLD 7	406628	1872416	0.087	-496119	SLD 9	-693018	-2773116	0.1	Si
133	22.81	5.4	15.21	5.4	160350	SLD 11	306238	1872416	0.087	-362945	SLD 5	-553328	-2773116	0.1	Si
154	22.81	5.4	15.21	5.4	55910	SLD 11	203668	1872416	0.087	-235211	SLD 5	-418077	-2773116	0.1	Si
174	22.81	5.4	15.21	5.4	-35061	SLD 15	99676	1872416	0.087	-127563	SLD 1	-288023	-2773116	0.1	Si
195	22.81	5.4	15.21	5.4	38647	SLD 9	210771	1872416	0.087	-191214	SLD 7	-360537	-2773116	0.1	Si
215	22.81	5.4	15.21	5.4	160609	SLD 9	328724	1872416	0.087	-309738	SLD 7	-484438	-2773116	0.1	Si
236	22.81	5.4	15.21	5.4	279844	SLD 9	443522	1872416	0.087	-432154	SLD 7	-611803	-2773116	0.1	Si
246	22.81	5.4	17.16	5.4	338306	SLD 9	499714	2104432	0.089	-494688	SLD 7	-676761	-2773061	0.098	Si
266	22.81	5.4	18.54	5.4	452842	SLD 9	553371	2267875	0.09	-622333	SLD 7	-740504	-2772907	0.097	Si
285	22.81	5.4	19.01	5.4	553371	SLD 9	553371	2322640	0.091	-740504	SLD 7	-740504	-2772814	0.097	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
287	22.81	5.4	19.01	5.4	564151	SLD 9	563644	2322640	0.091	-753370	SLD 7	-752864	-2772814	0.097	Si
307	22.81	5.4	19.01	5.4	672202	SLD 9	613842	2322640	0.091	-887768	SLD 7	-813263	-2772814	0.097	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	2297	SLU 30	2297	13761	76908	0	13761	1	Si
20	0	22.81	0	2087	SLU 30	2087	13761	76908	0	13761	1	Si
23	0.172	22.81	0	2066	SLU 30	2066	13761	76908	20007	20007	1	Si
41	0.172	22.81	0	1877	SLU 30	1877	13761	76908	20007	20007	1	Si
61	0.172	22.81	0	1667	SLU 30	1667	13761	76908	20007	20007	1	Si
82	0.172	22.81	0	1457	SLU 30	1457	13761	76908	20007	20007	1	Si
92	0.172	22.81	0	1352	SLU 30	1352	13761	76908	20007	20007	1	Si
113	0.156	22.81	0	1142	SLU 30	1142	13761	76908	18102	18102	1	Si
133	0.156	22.81	0	932	SLU 30	932	13761	76908	18102	18102	1	Si
154	0.156	22.81	0	723	SLU 30	723	13761	76908	18102	18102	1	Si
174	0.156	22.81	0	513	SLU 30	513	13761	76908	18102	18102	1	Si
195	0.156	22.81	0	303	SLU 30	303	13761	76908	18102	18102	1	Si
215	0.158	22.81	0	139	SLU 12	139	13761	76908	18340	18340	1	Si
215	0.158	22.81	0	-118	SLU 19	-118	-13761	-76908	-18340	-18340	1	Si
236	0.158	22.81	0	-328	SLU 19	-328	-13761	-76908	-18340	-18340	1	Si
246	0.158	22.81	0	-433	SLU 19	-433	-13761	-76908	-18340	-18340	1	Si
266	0.158	22.81	0	-643	SLU 19	-643	-13761	-76908	-18340	-18340	1	Si
285	0.158	22.81	0	-832	SLU 19	-832	-13761	-76908	-18340	-18340	1	Si
287	0	22.81	0	-852	SLU 19	-852	-13761	-76908	0	-13761	1	Si
307	0	22.81	0	-1062	SLU 19	-1062	-13761	-76908	0	-13761	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	15080	SLV 9	18559	13761	76908	0	13761	1	Si
0	0	17.16	0	-11683	SLV 7	-15162	-12517	-76908	0	-12517	1	Si
20	0	22.81	0	14918	SLV 9	18397	13761	76908	0	13761	1	Si
20	0	15.21	0	-11845	SLV 7	-15324	-12021	-76908	0	-12021	1	Si
23	0.172	22.81	0	14902	SLV 9	18381	13761	76908	20007	20007	1	Si
23	0.172	15.21	0	-11860	SLV 7	-15339	-12021	-76908	-20007	-20007	1	Si
41	0.172	22.81	0	14757	SLV 9	18236	13761	76908	20007	20007	1	Si
41	0.172	15.21	0	-12006	SLV 7	-15485	-12021	-76908	-20007	-20007	1	Si
61	0.172	22.81	0	14595	SLV 9	18074	13761	76908	20007	20007	1	Si
61	0.172	15.21	0	-12167	SLV 7	-15647	-12021	-76908	-20007	-20007	1	Si
82	0.172	22.81	0	14434	SLV 9	17913	13761	76908	20007	20007	1	Si
82	0.172	15.21	0	-12329	SLV 7	-15808	-12021	-76908	-20007	-20007	1	Si
92	0.172	22.81	0	14353	SLV 9	17832	13761	76908	20007	20007	1	Si
92	0.172	15.21	0	-12410	SLV 7	-15889	-12021	-76908	-20007	-20007	1	Si
113	0.156	22.81	0	14192	SLV 9	17671	13761	76908	18102	18102	1	Si
113	0.156	15.21	0	-12571	SLV 7	-16050	-12021	-76908	-18102	-18102	1	Si
133	0.156	22.81	0	14030	SLV 9	17509	13761	76908	18102	18102	1	Si
133	0.156	15.21	0	-12732	SLV 7	-16212	-12021	-76908	-18102	-18102	1	Si
154	0.156	22.81	0	13869	SLV 9	17348	13761	76908	18102	18102	1	Si
154	0.156	15.21	0	-12894	SLV 7	-16373	-12021	-76908	-18102	-18102	1	Si
174	0.156	22.81	0	13707	SLV 9	17186	13761	76908	18102	18102	1	Si
174	0.156	22.81	0	-13055	SLV 7	-16534	-13761	-76908	-18102	-18102	1	Si
195	0.156	15.21	0	13546	SLV 9	17025	12021	76908	18102	18102	1	Si
195	0.156	22.81	0	-13217	SLV 7	-16696	-13761	-76908	-18102	-18102	1	Si
215	0.158	15.21	0	13384	SLV 9	16864	12021	76908	18340	18340	1	Si
215	0.158	22.81	0	-13378	SLV 7	-16857	-13761	-76908	-18340	-18340	1	Si
236	0.158	15.21	0	13223	SLV 9	16702	12021	76908	18340	18340	1	Si
236	0.158	22.81	0	-13540	SLV 7	-17019	-13761	-76908	-18340	-18340	1	Si
246	0.158	15.21	0	13142	SLV 9	16621	12021	76908	18340	18340	1	Si
246	0.158	22.81	0	-13620	SLV 7	-17099	-13761	-76908	-18340	-18340	1	Si
266	0.158	15.21	0	12981	SLV 9	16460	12021	76908	18340	18340	1	Si
266	0.158	22.81	0	-13782	SLV 7	-17261	-13761	-76908	-18340	-18340	1	Si
285	0.158	15.21	0	12835	SLV 9	16314	12021	76908	18340	18340	1	Si
285	0.158	22.81	0	-13927	SLV 7	-17407	-13761	-76908	-18340	-18340	1	Si
287	0	15.21	0	12819	SLV 9	16299	12021	76908	0	12021	1	Si
287	0	22.81	0	-13943	SLV 7	-17422	-13761	-76908	0	-13761	1	Si
307	0	17.16	0	12658	SLV 9	16137	12517	76908	0	12517	1	Si
307	0	22.81	0	-14105	SLV 7	-17584	-13761	-76908	0	-13761	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	7620	SLD 9	7620	13761	76908	0	13761	1	Si
0	0	17.16	0	-4223	SLD 7	-4223	-12517	-76908	0	-12517	1	Si
20	0	22.81	0	7458	SLD 9	7458	13761	76908	0	13761	1	Si
20	0	15.21	0	-4385	SLD 7	-4385	-12021	-76908	0	-12021	1	Si
23	0.172	22.81	0	7442	SLD 9	7442	13761	76908	20007	20007	1	Si
23	0.172	15.21	0	-4400	SLD 7	-4400	-12021	-76908	-20007	-20007	1	Si
41	0.172	22.81	0	7297	SLD 9	7297	13761	76908	20007	20007	1	Si
41	0.172	15.21	0	-4546	SLD 7	-4546	-12021	-76908	-20007	-20007	1	Si
61	0.172	22.81	0	7135	SLD 9	7135	13761	76908	20007	20007	1	Si
61	0.172	15.21	0	-4707	SLD 7	-4707	-12021	-76908	-20007	-20007	1	Si
82	0.172	22.81	0	6974	SLD 9	6974	13761	76908	20007	20007	1	Si
82	0.172	15.21	0	-4869	SLD 7	-4869	-12021	-76908	-20007	-20007	1	Si
92	0.172	22.81	0	6893	SLD 9	6893	13761	76908	20007	20007	1	Si
92	0.172	15.21	0	-4950	SLD 7	-4950	-12021	-76908	-20007	-20007	1	Si
113	0.156	22.81	0	6732	SLD 9	6732	13761	76908	18102	18102	1	Si
113	0.156	15.21	0	-5111	SLD 7	-5111	-12021	-76908	-18102	-18102	1	Si
133	0.156	22.81	0	6570	SLD 9	6570	13761	76908	18102	18102	1	Si
133	0.156	15.21	0	-5272	SLD 7	-5272	-12021	-76908	-18102	-18102	1	Si
154	0.156	22.81	0	6409	SLD 9	6409	13761	76908	18102	18102	1	Si
154	0.156	15.21	0	-5434	SLD 7	-5434	-12021	-76908	-18102	-18102	1	Si
174	0.156	22.81	0	6247	SLD 9	6247	13761	76908	18102	18102	1	Si
174	0.156	22.81	0	-5595	SLD 7	-5595	-13761	-76908	-18102	-18102	1	Si
195	0.156	15.21	0	6086	SLD 9	6086	12021	76908	18102	18102	1	Si
195	0.156	22.81	0	-5757	SLD 7	-5757	-13761	-76908	-18102	-18102	1	Si
215	0.158	15.21	0	5924	SLD 9	5924	12021	76908	18340	18340	1	Si
215	0.158	22.81	0	-5918	SLD 7	-5918	-13761	-76908	-18340	-18340	1	Si
236	0.158	15.21	0	5763	SLD 9	5763	12021	76908	18340	18340	1	Si
236	0.158	22.81	0	-6080	SLD 7	-6080	-13761	-76908	-18340	-18340	1	Si
246	0.158	15.21	0	5682	SLD 9	5682	12021	76908	18340	18340	1	Si
246	0.158	22.81	0	-6160	SLD 7	-6160	-13761	-76908	-18340	-18340	1	Si
266	0.158	15.21	0	5521	SLD 9	5521	12021	76908	18340	18340	1	Si
266	0.158	22.81	0	-6322	SLD 7	-6322	-13761	-76908	-18340	-18340	1	Si
285	0.158	15.21	0	5375	SLD 9	5375	12021	76908	18340	18340	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
285	0.158	22.81	0	-6467	SLD 7	-6467	-13761	-76908	-18340	-18340	1	Si
287	0	15.21	0	5359	SLD 9	5359	12021	76908	0	12021	1	Si
287	0	22.81	0	-6483	SLD 7	-6483	-13761	-76908	0	-13761	1	Si
307	0	17.16	0	5198	SLD 9	5198	12517	76908	0	12517	1	Si
307	0	22.81	0	-6645	SLD 7	-6645	-13761	-76908	0	-13761	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-267854	2	-248403	6.2	124.5	187.7	1837	-257675	2	-238635	5.9	93.4	0	+∞	Si
20	-233946	2	-233857	5.8	124.5	176.7	1837	-224516	2	-224430	5.6	93.4	0	+∞	Si
23	-230880	2	-230880	5.7	124.5	174.5	1837	-221523	2	-221523	5.5	93.4	0	+∞	Si
41	-203348	2	-230880	5.8	124.5	174.6	1837	-194666	2	-221523	5.5	93.4	0	+∞	Si
61	-176059	2	-215794	5.5	124.5	163.4	1837	-168126	2	-206799	5.3	93.4	0	+∞	Si
82	-152080	2	-187121	4.9	124.5	142	1837	-144896	2	-178875	4.7	93.4	0	+∞	Si
92	-141332	2	-174026	4.5	124.5	132	1837	-134521	2	-166155	4.3	93.4	0	+∞	Si
113	-122317	2	-150318	3.9	124.5	114.1	1837	-116255	2	-143195	3.7	93.4	0	+∞	Si
133	-106611	2	-129920	3.4	124.5	98.6	1837	-101298	2	-123545	3.2	93.4	0	+∞	Si
154	-94215	2	-112831	2.9	124.5	85.6	1837	-89650	2	-107205	2.8	93.4	0	+∞	Si
174	-85128	2	-99051	2.6	124.5	75.2	1837	-81312	2	-94174	2.4	93.4	0	+∞	Si
195	-79351	2	-88581	2.3	124.5	67.2	1837	-76284	2	-84452	2.2	93.4	0	+∞	Si
215	-76883	2	-81420	2.1	124.5	61.8	1837	-74564	2	-78040	2	93.4	0	+∞	Si
236	-77725	2	-84650	2.2	124.5	64.2	1837	-76155	2	-84141	2.2	93.4	0	+∞	Si
246	-79387	2	-88658	2.3	124.5	67.1	1837	-78191	2	-88523	2.2	93.4	0	+∞	Si
266	-85193	2	-93908	2.3	124.5	71	1837	-84746	2	-93908	2.3	93.4	0	+∞	Si
285	-93908	1	-93908	2.3	124.5	71	1837	-93908	1	-93908	2.3	93.4	0	+∞	Si
287	-95061	1	-95057	2.4	124.5	71.8	1837	-95061	1	-95057	2.4	93.4	0	+∞	Si
307	-109357	1	-100669	2.5	124.5	76.1	1837	-109357	1	-100669	2.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
41	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
61	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
82	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
92	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
113	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
133	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
154	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
174	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
195	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
215	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
236	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
246	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
266	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
285	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
287	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1521	16860	20007	SLV 9	0.4	891	1.096	-221523	2057547	2322640	SLV 7	0.45	1215	1.245	Si
41	1375	16860	20007	SLV 9	0.4	908	1.105	-221523	2057547	2267875	SLV 7	0.44	1147	1.216	Si
61	1214	16860	20007	SLV 9	0.4	927	1.114	-206799	1925008	2104432	SLV 7	0.43	1124	1.206	Si
82	1052	16860	20007	SLV 9	0.41	947	1.124	-178875	1651609	1872416	SLV 7	0.45	1229	1.251	Si
92	972	16860	20007	SLV 9	0.41	957	1.129	-166155	1515068	1872416	SLV 7	0.48	1520	1.365	Si
113	810	16860	18102	SLV 9	0.37	757	1.025	-143195	1242521	1872416	SLV 7	0.57	2474	1.666	Si
133	649	16860	18102	SLV 9	0.38	774	1.035	-123545	971250	1872416	SLV 7	0.57	2474	1.666	Si
154	487	16860	18102	SLV 9	0.38	792	1.045	-107205	702529	1872416	SLV 11	0.57	2474	1.666	Si
174	326	16860	18102	SLV 9	0.38	809	1.054	-94174	438072	1872416	SLV 11	0.57	2474	1.666	Si
195	165	16860	18102	SLV 9	0.39	827	1.063	-74883	645547	1872416	SLV 9	0.57	2474	1.666	Si
215	3	16860	18340	SLV 9	0.39	873	1.087	-77857	918822	1872416	SLV 9	0.57	2474	1.666	Si
236	-158	-16860	-18340	SLV 7	0.39	855	1.078	-84141	1192446	1872416	SLV 9	0.57	2474	1.666	Si
246	-239	-16860	-18340	SLV 7	0.39	846	1.073	-88523	1329336	2104432	SLV 9	0.57	2474	1.666	Si
266	-400	-16860	-18340	SLV 7	0.39	828	1.064	-93567	1461989	2267875	SLV 9	0.57	2474	1.666	Si
285	-546	-16860	-18340	SLV 7	0.38	811	1.055	-93567	1461989	2322640	SLV 9	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1521	5921	20007	SLD 9	0.42	1018	2.913	-221523	910479	2322640	SLD 7	0.38	773	2.602	Si
41	1375	5921	20007	SLD 9	0.42	1040	2.939	-221523	910479	2267875	SLD 7	0.37	733	2.546	Si
61	1214	5921	20007	SLD 9	0.43	1064	2.967	-206799	851830	2104432	SLD 7	0.37	719	2.526	Si
82	1052	5921	20007	SLD 9	0.43	1090	2.996	-178875	730848	1872416	SLD 7	0.38	781	2.613	Si
92	972	5921	20007	SLD 9	0.43	1102	3.01	-166155	670428	1872416	SLD 7	0.41	950	2.832	Si
113	810	5921	18102	SLD 9	0.39	861	2.72	-143195	549823	1872416	SLD 7	0.49	1562	3.472	Si
133	649	5921	18102	SLD 9	0.4	881	2.746	-123545	429783	1872416	SLD 7	0.6	2474	4.193	Si
154	487	5921	18102	SLD 9	0.4	901	2.771	-107205	310872	1872416	SLD 11	0.6	2474	4.193	Si
174	326	5921	18102	SLD 9	0.4	921	2.796	-94174	193850	1872416	SLD 11	0.6	2474	4.193	Si
195	165	5921	18102	SLD 9	0.41	942	2.822	-74883	285654	1872416	SLD 9	0.6	2474	4.193	Si
215	3	5921	18340	SLD 9	0.42	996	2.887	-77857	406581	1872416	SLD 9	0.6	2474	4.193	Si
236	-158	-5921	-18340	SLD 7	0.41	973	2.86	-84141	527662	1872416	SLD 9	0.49	1611	3.517	Si
246	-239	-5921	-18340	SLD 7	0.41	963	2.848	-88523	588237	2104432	SLD 9	0.5	1634	3.537	Si
266	-400	-5921	-18340	SLD 7	0.41	942	2.822	-93567	646938	2267875	SLD 9	0.49	1544	3.456	Si
285	-546	-5921	-18340	SLD 7	0.4	923	2.799	-93567	646938	2322640	SLD 9	0.5	1642	3.544	Si

Campata 3 tra i fili 67 - 64, sezione R 45x70, asta 698

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	19.01	5.4						-215858	SLU 29	-202364	-2772814	0.097	Si
18	22.81	5.4	19.01	5.4						-195761	SLU 29	-195321	-2772814	0.097	Si
23	22.81	5.4	19.01	5.4						-191358	SLU 29	-191358	-2772814	0.097	Si
36	22.81	5.4	18.88	5.4						-178981	SLU 29	-191358	-2772830	0.097	Si
54	22.81	5.4	17.67	5.4						-165518	SLU 29	-188981	-2772953	0.098	Si
72	22.81	5.4	15.21	5.4						-155371	SLU 29	-173478	-2773116	0.1	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
81	22.81	5.4	15.21	5.4						-151542	SLU 29	-166970	-2773116	0.1	Si
99	22.81	5.4	15.21	5.4						-146371	SLU 29	-156443	-2773116	0.1	Si
117	22.81	5.4	15.21	5.4						-144518	SLU 29	-149232	-2773116	0.1	Si
135	22.81	5.4	15.21	5.4						-145981	SLU 29	-155421	-2773116	0.1	Si
153	22.81	5.4	15.21	5.4						-150761	SLU 29	-165558	-2773116	0.1	Si
171	22.81	5.4	15.21	5.4						-158858	SLU 29	-179012	-2773116	0.1	Si
189	22.81	5.4	15.21	5.4						-170272	SLU 29	-195783	-2773116	0.1	Si
207	22.81	5.4	15.21	5.4						-185003	SLU 29	-215880	-2773116	0.1	Si
216	22.81	5.4	15.21	5.4						-193612	SLU 29	-227228	-2773116	0.1	Si
234	22.81	5.4	15.21	5.4						-213318	SLU 29	-230464	-2773116	0.1	Si
247	22.81	5.4	15.21	5.4						-230464	SLU 30	-230464	-2773116	0.1	Si
252	22.81	5.4	15.21	5.4						-236457	SLU 30	-235858	-2773116	0.1	Si
270	22.81	5.4	15.21	5.4						-262918	SLU 30	-245447	-2773116	0.1	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	19.01	5.4	2202165	SLV 7	2031586	2322640	0.091	-2504825	SLV 9	-2313656	-2772814	0.097	Si
18	22.81	5.4	19.01	5.4	1927948	SLV 7	1921081	2322640	0.091	-2199960	SLV 9	-2192423	-2772814	0.097	Si
23	22.81	5.4	19.01	5.4	1858922	SLV 7	1858922	2322640	0.091	-2124229	SLV 9	-2124229	-2772814	0.097	Si
36	22.81	5.4	18.88	5.4	1651217	SLV 7	1858922	2307756	0.091	-1897684	SLV 9	-2124229	-2772830	0.097	Si
54	22.81	5.4	17.67	5.4	1371988	SLV 7	1821648	2164228	0.089	-1598013	SLV 9	-2083334	-2772953	0.098	Si
72	22.81	5.4	15.21	5.4	1090293	SLV 7	1543953	1872416	0.087	-1300980	SLV 9	-1782059	-2773116	0.1	Si
81	22.81	5.4	15.21	5.4	948537	SLV 7	1404171	1872416	0.087	-1153468	SLV 9	-1632400	-2773116	0.1	Si
99	22.81	5.4	15.21	5.4	663277	SLV 7	1122758	1872416	0.087	-860524	SLV 9	-1335062	-2773116	0.1	Si
117	22.81	5.4	15.21	5.4	375895	SLV 7	838932	1872416	0.087	-570560	SLV 9	-1040413	-2773116	0.1	Si
135	22.81	5.4	15.21	5.4	87423	SLV 7	552819	1872416	0.087	-284610	SLV 9	-748580	-2773116	0.1	Si
153	22.81	5.4	15.21	5.4	35191	SLV 5	471798	1872416	0.087	-240003	SLV 11	-699812	-2773116	0.1	Si
171	22.81	5.4	15.21	5.4	303288	SLV 5	747554	1872416	0.087	-520827	SLV 11	-996537	-2773116	0.1	Si
189	22.81	5.4	15.21	5.4	577860	SLV 9	1022706	1872416	0.087	-813230	SLV 7	-1297760	-2773116	0.1	Si
207	22.81	5.4	15.21	5.4	853695	SLV 9	1295999	1872416	0.087	-1111998	SLV 7	-1602228	-2773116	0.1	Si
216	22.81	5.4	15.21	5.4	991188	SLV 9	1431815	1872416	0.087	-1262872	SLV 7	-1755546	-2773116	0.1	Si
234	22.81	5.4	15.21	5.4	1264730	SLV 9	1468364	1872416	0.087	-1567002	SLV 7	-1797086	-2773116	0.1	Si
247	22.81	5.4	15.21	5.4	1468364	SLV 9	1468364	1872416	0.087	-1797086	SLV 7	-1797086	-2773116	0.1	Si
252	22.81	5.4	15.21	5.4	1536048	SLV 9	1529382	1872416	0.087	-1874011	SLV 7	-1866421	-2773116	0.1	Si
270	22.81	5.4	15.21	5.4	1804983	SLV 9	1637857	1872416	0.087	-2183741	SLV 7	-1989683	-2773116	0.1	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	19.01	5.4	890154	SLD 7	820408	2322640	0.091	-1192814	SLD 9	-1102478	-2772814	0.097	Si
18	22.81	5.4	19.01	5.4	777349	SLD 7	774497	2322640	0.091	-1049362	SLD 9	-1045839	-2772814	0.097	Si
23	22.81	5.4	19.01	5.4	748672	SLD 7	748672	2322640	0.091	-1013980	SLD 9	-1013980	-2772814	0.097	Si
36	22.81	5.4	18.88	5.4	662009	SLD 7	748672	2307756	0.091	-908477	SLD 9	-1013980	-2772830	0.097	Si
54	22.81	5.4	17.67	5.4	544142	SLD 7	733187	2164228	0.089	-770168	SLD 9	-994873	-2772953	0.098	Si
72	22.81	5.4	15.21	5.4	423761	SLD 7	616873	1872416	0.087	-634447	SLD 9	-854979	-2773116	0.1	Si
81	22.81	5.4	15.21	5.4	362635	SLD 7	557769	1872416	0.087	-567566	SLD 9	-785999	-2773116	0.1	Si
99	22.81	5.4	15.21	5.4	238542	SLD 7	437677	1872416	0.087	-435789	SLD 9	-649981	-2773116	0.1	Si
117	22.81	5.4	15.21	5.4	112087	SLD 7	315093	1872416	0.087	-306753	SLD 9	-516575	-2773116	0.1	Si
135	22.81	5.4	15.21	5.4	-16276	SLD 7	190075	1872416	0.087	-180911	SLD 9	-385837	-2773116	0.1	Si
153	22.81	5.4	15.21	5.4	-41535	SLD 5	145214	1872416	0.087	-163277	SLD 11	-373228	-2773116	0.1	Si
171	22.81	5.4	15.21	5.4	73563	SLD 5	261399	1872416	0.087	-291102	SLD 11	-510382	-2773116	0.1	Si
189	22.81	5.4	15.21	5.4	190099	SLD 9	375893	1872416	0.087	-425469	SLD 7	-650948	-2773116	0.1	Si
207	22.81	5.4	15.21	5.4	305771	SLD 9	488142	1872416	0.087	-564074	SLD 7	-794371	-2773116	0.1	Si
216	22.81	5.4	15.21	5.4	362885	SLD 9	543366	1872416	0.087	-634569	SLD 7	-867096	-2773116	0.1	Si
234	22.81	5.4	15.21	5.4	475408	SLD 9	558148	1872416	0.087	-777680	SLD 7	-886870	-2773116	0.1	Si
247	22.81	5.4	15.21	5.4	558148	SLD 9	558148	1872416	0.087	-886870	SLD 7	-886870	-2773116	0.1	Si
252	22.81	5.4	15.21	5.4	585524	SLD 9	582832	1872416	0.087	-923487	SLD 7	-919870	-2773116	0.1	Si
270	22.81	5.4	15.21	5.4	693163	SLD 9	626713	1872416	0.087	-1071920	SLD 7	-978539	-2773116	0.1	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	1213	SLU 20	1213	13761	76908	0	13761	1	Si
18	0	22.81	0	1029	SLU 20	1029	13761	76908	0	13761	1	Si
23	0.187	22.81	0	983	SLU 20	983	13761	76908	21675	21675	1	Si
36	0.187	22.81	0	844	SLU 20	844	13761	76908	21675	21675	1	Si
54	0.187	22.81	0	660	SLU 20	660	13761	76908	21675	21675	1	Si
72	0.187	22.81	0	476	SLU 20	476	13761	76908	21675	21675	1	Si
81	0.187	22.81	0	384	SLU 20	384	13761	76908	21675	21675	1	Si
99	0.189	22.81	0	199	SLU 20	199	13761	76908	21969	21969	1	Si
117	0.189	22.81	0	16	SLU 2	16	13761	76908	21969	21969	1	Si
117	0.189	22.81	0	-35	SLU 35	-35	-13761	-76908	-21969	-21969	1	Si
135	0.189	22.81	0	-220	SLU 35	-220	-13761	-76908	-21969	-21969	1	Si
153	0.189	22.81	0	-404	SLU 35	-404	-13761	-76908	-21969	-21969	1	Si
171	0.189	22.81	0	-588	SLU 35	-588	-13761	-76908	-21969	-21969	1	Si
189	0.187	22.81	0	-772	SLU 35	-772	-13761	-76908	-21675	-21675	1	Si
207	0.187	22.81	0	-957	SLU 35	-957	-13761	-76908	-21675	-21675	1	Si
216	0.187	22.81	0	-1049	SLU 35	-1049	-13761	-76908	-21675	-21675	1	Si
234	0.187	22.81	0	-1233	SLU 35	-1233	-13761	-76908	-21675	-21675	1	Si
247	0.187	22.81	0	-1371	SLU 35	-1371	-13761	-76908	-21675	-21675	1	Si
252	0	22.81	0	-1417	SLU 35	-1417	-13761	-76908	0	-13761	1	Si
270	0	22.81	0	-1602	SLU 35	-1602	-13761	-76908	0	-13761	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	17015	SLV 9	21199	13761	76908	0	13761	1	Si
0	0	17.06	0	-15171	SLV 7	-19355	-12492	-76908	0	-12492	1	Si
18	0	22.81	0	16873	SLV 9	21058	13761	76908	0	13761	1	Si
18	0	15.21	0	-15312	SLV 7	-19497	-12021	-76908	0	-12021	1	Si
23	0.187	22.81	0	16838	SLV 9	21022	13761	76908	21675	21675	1	Si
23	0.187	15.21	0	-15348	SLV 7	-19532	-12021	-76908	-21675	-21675	1	Si
36	0.187	22.81	0	16732	SLV 9	20916	13761	76908	21675	21675	1	Si
36	0.187	15.21	0	-15454	SLV 7	-19638	-12021	-76908	-21675	-21675	1	Si
54	0.187	22.81	0	16590	SLV 9	20774	13761	76908	21675	21675	1	Si
54	0.187	15.21	0	-15596	SLV 7	-19780	-12021	-76908	-21675	-21675	1	Si
72	0.187	22.81	0	16448	SLV 9	20632	13761	76908	21675	21675	1	Si
72	0.187	15.21	0	-15738	SLV 7	-19922	-12021	-76908	-21675	-21675	1	Si
81	0.187	22.81	0	16377	SLV 9	20561	13761	76908	21675	21675	1	Si
81	0.187	15.21	0	-15809	SLV 7	-19993	-12021	-76908	-21675	-21675	1	Si
99	0.189	22.81	0	16235	SLV 9	20420	13761	76908	21969	21969	1	Si
99	0.189	15.21	0	-15950	SLV 7	-20134	-12021	-76908	-21969	-21969	1	Si
117	0.189	22.81	0	16094	SLV 9	20278	13761	76908	21969	21969	1	Si
117	0.189	15.21	0	-16092	SLV 7	-20276	-12021	-76908	-21969	-21969	1	Si
135	0.189	22.81	0	15952	SLV 9	20136	13761	76908	21969	21969	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
135	0.189	15.21	0	-16234	SLV 7	-20418	-12021	-76908	-21969	-21969	1	Si
153	0.189	15.21	0	15810	SLV 9	19994	12021	76908	21969	21969	1	Si
153	0.189	22.81	0	-16376	SLV 7	-20560	-13761	-76908	-21969	-21969	1	Si
171	0.189	15.21	0	15668	SLV 9	19853	12021	76908	21969	21969	1	Si
171	0.189	22.81	0	-16517	SLV 7	-20701	-13761	-76908	-21969	-21969	1	Si
189	0.187	15.21	0	15527	SLV 9	19711	12021	76908	21675	21675	1	Si
189	0.187	22.81	0	-16659	SLV 7	-20843	-13761	-76908	-21675	-21675	1	Si
207	0.187	15.21	0	15385	SLV 9	19569	12021	76908	21675	21675	1	Si
207	0.187	22.81	0	-16801	SLV 7	-20985	-13761	-76908	-21675	-21675	1	Si
216	0.187	15.21	0	15314	SLV 9	19498	12021	76908	21675	21675	1	Si
216	0.187	22.81	0	-16872	SLV 7	-21056	-13761	-76908	-21675	-21675	1	Si
234	0.187	15.21	0	15172	SLV 9	19357	12021	76908	21675	21675	1	Si
234	0.187	22.81	0	-17013	SLV 7	-21198	-13761	-76908	-21675	-21675	1	Si
247	0.187	15.21	0	15066	SLV 9	19250	12021	76908	21675	21675	1	Si
247	0.187	22.81	0	-17120	SLV 7	-21304	-13761	-76908	-21675	-21675	1	Si
252	0	15.21	0	15031	SLV 9	19215	12021	76908	0	12021	1	Si
252	0	22.81	0	-17155	SLV 7	-21339	-13761	-76908	0	-13761	1	Si
270	0	15.21	0	14889	SLV 9	19073	12021	76908	0	12021	1	Si
270	0	22.81	0	-17297	SLV 7	-21481	-13761	-76908	0	-13761	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	8044	SLD 9	8044	13761	76908	0	13761	1	Si
0	0	17.06	0	-6199	SLD 7	-6199	-12492	-76908	0	-12492	1	Si
18	0	22.81	0	7902	SLD 9	7902	13761	76908	0	13761	1	Si
18	0	15.21	0	-6341	SLD 7	-6341	-12021	-76908	0	-12021	1	Si
23	0.187	22.81	0	7867	SLD 9	7867	13761	76908	21675	21675	1	Si
23	0.187	15.21	0	-6376	SLD 7	-6376	-12021	-76908	-21675	-21675	1	Si
36	0.187	22.81	0	7760	SLD 9	7760	13761	76908	21675	21675	1	Si
36	0.187	15.21	0	-6483	SLD 7	-6483	-12021	-76908	-21675	-21675	1	Si
54	0.187	22.81	0	7618	SLD 9	7618	13761	76908	21675	21675	1	Si
54	0.187	15.21	0	-6625	SLD 7	-6625	-12021	-76908	-21675	-21675	1	Si
72	0.187	22.81	0	7477	SLD 9	7477	13761	76908	21675	21675	1	Si
72	0.187	15.21	0	-6766	SLD 7	-6766	-12021	-76908	-21675	-21675	1	Si
81	0.187	22.81	0	7406	SLD 9	7406	13761	76908	21675	21675	1	Si
81	0.187	15.21	0	-6837	SLD 7	-6837	-12021	-76908	-21675	-21675	1	Si
99	0.189	22.81	0	7264	SLD 9	7264	13761	76908	21969	21969	1	Si
99	0.189	15.21	0	-6979	SLD 7	-6979	-12021	-76908	-21969	-21969	1	Si
117	0.189	22.81	0	7122	SLD 9	7122	13761	76908	21969	21969	1	Si
117	0.189	15.21	0	-7121	SLD 7	-7121	-12021	-76908	-21969	-21969	1	Si
135	0.189	22.81	0	6981	SLD 9	6981	13761	76908	21969	21969	1	Si
135	0.189	22.81	0	-7262	SLD 7	-7262	-13761	-76908	-21969	-21969	1	Si
153	0.189	22.81	0	6839	SLD 9	6839	13761	76908	21969	21969	1	Si
153	0.189	22.81	0	-7404	SLD 7	-7404	-13761	-76908	-21969	-21969	1	Si
171	0.189	15.21	0	6697	SLD 9	6697	12021	76908	21969	21969	1	Si
171	0.189	22.81	0	-7546	SLD 7	-7546	-13761	-76908	-21969	-21969	1	Si
189	0.187	15.21	0	6555	SLD 9	6555	12021	76908	21675	21675	1	Si
189	0.187	22.81	0	-7688	SLD 7	-7688	-13761	-76908	-21675	-21675	1	Si
207	0.187	15.21	0	6414	SLD 9	6414	12021	76908	21675	21675	1	Si
207	0.187	22.81	0	-7829	SLD 7	-7829	-13761	-76908	-21675	-21675	1	Si
216	0.187	15.21	0	6343	SLD 9	6343	12021	76908	21675	21675	1	Si
216	0.187	22.81	0	-7900	SLD 7	-7900	-13761	-76908	-21675	-21675	1	Si
234	0.187	15.21	0	6201	SLD 9	6201	12021	76908	21675	21675	1	Si
234	0.187	22.81	0	-8042	SLD 7	-8042	-13761	-76908	-21675	-21675	1	Si
247	0.187	15.21	0	6095	SLD 9	6095	12021	76908	21675	21675	1	Si
247	0.187	22.81	0	-8148	SLD 7	-8148	-13761	-76908	-21675	-21675	1	Si
252	0	15.21	0	6059	SLD 9	6059	12021	76908	0	12021	1	Si
252	0	22.81	0	-8184	SLD 7	-8184	-13761	-76908	0	-13761	1	Si
270	0	15.21	0	5917	SLD 9	5917	12021	76908	0	12021	1	Si
270	0	22.81	0	-8326	SLD 7	-8326	-13761	-76908	0	-13761	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-160678	2	-150314	3.7	124.5	113.6	1837	-151330	2	-141035	3.5	93.4	0	+∞	Si
18	-145243	2	-144905	3.6	124.5	109.5	1837	-136006	2	-135671	3.4	93.4	0	+∞	Si
23	-141863	2	-141863	3.5	124.5	107.2	1837	-132654	2	-132654	3.3	93.4	0	+∞	Si
36	-132361	2	-141863	3.5	124.5	107.2	1837	-123234	2	-132654	3.3	93.4	0	+∞	Si
54	-122030	2	-140038	3.5	124.5	106	1837	-113013	2	-130843	3.3	93.4	0	+∞	Si
72	-114250	2	-128138	3.3	124.5	97.2	1837	-105343	2	-119053	3.1	93.4	0	+∞	Si
81	-111317	2	-123145	3.2	124.5	93.4	1837	-102465	2	-114115	3	93.4	0	+∞	Si
99	-107365	2	-115072	3	124.5	87.3	1837	-98623	2	-106152	2.8	93.4	0	+∞	Si
117	-105964	2	-109550	2.8	124.5	83.1	1837	-97333	2	-100741	2.6	93.4	0	+∞	Si
135	-107115	2	-114418	3	124.5	86.8	1837	-98593	2	-106074	2.8	93.4	0	+∞	Si
153	-110817	2	-122240	3.2	124.5	92.8	1837	-102406	2	-114007	3	93.4	0	+∞	Si
171	-117071	2	-132615	3.4	124.5	100.6	1837	-108770	2	-124491	3.2	93.4	0	+∞	Si
189	-125876	2	-145541	3.8	124.5	110.4	1837	-117685	2	-137527	3.6	93.4	0	+∞	Si
207	-137233	2	-161024	4.2	124.5	122.2	1837	-129152	2	-153115	4	93.4	0	+∞	Si
216	-143868	2	-169760	4.4	124.5	128.8	1837	-135842	2	-161865	4.2	93.4	0	+∞	Si
234	-159052	2	-172251	4.5	124.5	130.7	1837	-151136	2	-164361	4.3	93.4	0	+∞	Si
247	-172251	3	-172251	4.5	124.5	130.7	1837	-164361	2	-164361	4.3	93.4	0	+∞	Si
252	-176864	3	-176403	4.6	124.5	133.9	1837	-168981	2	-168519	4.4	93.4	0	+∞	Si
270	-197231	3	-183784	4.8	124.5	139.5	1837	-189379	2	-175913	4.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
36	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
54	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.003	1	-0.003	1	9999	Si
72	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
81	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
99	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
117	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
135	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	1	-0.005	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
144	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	1	-0.005	1	9999	Si
153	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
171	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
189	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
207	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
216	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
234	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
247	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
252	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	745	20277	21675	SLV 9	0.38	769	1.032	-132654	1991576	2322640	SLV 7	0.44	1205	1.241	Si
36	639	20277	21675	SLV 9	0.38	778	1.037	-132654	1991576	2307756	SLV 7	0.44	1186	1.233	Si
54	497	20277	21675	SLV 9	0.38	791	1.044	-130843	1952491	2164228	SLV 7	0.42	1063	1.179	Si
72	355	20277	21675	SLV 9	0.38	804	1.051	-119053	1663006	1872416	SLV 7	0.43	1116	1.202	Si
81	284	20277	21675	SLV 9	0.38	810	1.054	-114115	1518285	1872416	SLV 7	0.47	1411	1.324	Si
99	143	20277	21969	SLV 9	0.39	851	1.076	-106152	1228910	1872416	SLV 7	0.57	2457	1.662	Si
117	1	20277	21969	SLV 9	0.39	865	1.083	-100741	939672	1872416	SLV 7	0.57	2474	1.666	Si
135	-141	-20277	-21969	SLV 7	0.39	852	1.076	-97881	650700	1872416	SLV 7	0.57	2474	1.666	Si
153	-283	-20277	-21969	SLV 7	0.39	838	1.069	-114007	585805	1872416	SLV 9	0.57	2474	1.666	Si
171	-424	-20277	-21969	SLV 7	0.39	825	1.062	-124491	872046	1872416	SLV 9	0.57	2474	1.666	Si
189	-566	-20277	-21675	SLV 7	0.38	785	1.041	-137527	1160233	1872416	SLV 9	0.57	2474	1.666	Si
207	-708	-20277	-21675	SLV 7	0.38	772	1.034	-153115	1449113	1872416	SLV 9	0.5	1683	1.423	Si
216	-779	-20277	-21675	SLV 7	0.37	765	1.03	-161865	1593680	1872416	SLV 9	0.46	1322	1.289	Si
234	-921	-20277	-21675	SLV 7	0.37	753	1.023	-164361	1632725	1872416	SLV 9	0.45	1244	1.257	Si
247	-1027	-20277	-21675	SLV 7	0.37	744	1.018	-164361	1632725	1872416	SLV 9	0.45	1244	1.257	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	745	7121	21675	SLD 9	0.39	875	2.738	-132654	881326	2322640	SLD 7	0.38	768	2.596	Si
36	639	7121	21675	SLD 9	0.4	885	2.751	-132654	881326	2307756	SLD 7	0.37	756	2.579	Si
54	497	7121	21675	SLD 9	0.4	900	2.77	-130843	864030	2164228	SLD 7	0.36	684	2.475	Si
72	355	7121	21675	SLD 9	0.4	915	2.789	-119053	735926	1872416	SLD 7	0.36	715	2.521	Si
81	284	7121	21675	SLD 9	0.4	923	2.799	-114115	671884	1872416	SLD 7	0.4	888	2.755	Si
99	143	7121	21969	SLD 9	0.41	968	2.854	-106152	543829	1872416	SLD 7	0.48	1530	3.443	Si
117	1	7121	21969	SLD 9	0.41	985	2.874	-100741	415834	1872416	SLD 7	0.6	2474	4.193	Si
135	-141	-7121	-21969	SLD 7	0.41	970	2.856	-97881	287956	1872416	SLD 7	0.6	2474	4.193	Si
153	-283	-7121	-21969	SLD 7	0.41	954	2.837	-114007	259221	1872416	SLD 9	0.6	2474	4.193	Si
171	-424	-7121	-21969	SLD 7	0.41	939	2.818	-124491	385890	1872416	SLD 9	0.6	2474	4.193	Si
189	-566	-7121	-21675	SLD 7	0.4	893	2.761	-137527	513420	1872416	SLD 9	0.52	1862	3.732	Si
207	-708	-7121	-21675	SLD 7	0.4	879	2.743	-153115	641257	1872416	SLD 9	0.42	1051	2.952	Si
216	-779	-7121	-21675	SLD 7	0.39	872	2.734	-161865	705231	1872416	SLD 9	0.39	835	2.686	Si
234	-921	-7121	-21675	SLD 7	0.39	857	2.715	-164361	722509	1872416	SLD 9	0.38	790	2.626	Si
247	-1027	-7121	-21675	SLD 7	0.39	847	2.702	-164361	722509	1872416	SLD 9	0.38	790	2.626	Si

Campata 4 tra i fili 64 - 61, sezione R 45x70, asta 699

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4						-696851	SLU 29	-663431	-2773116	0.1	Si
18	22.81	5.4	15.21	5.4						-643484	SLU 29	-642529	-2773116	0.1	Si
23	22.81	5.4	15.21	5.4						-632495	SLU 29	-632495	-2773116	0.1	Si
37	22.81	5.4	15.21	5.4						-593618	SLU 29	-632495	-2773116	0.1	Si
55	22.81	5.4	15.21	5.4						-547255	SLU 29	-621757	-2773116	0.1	Si
74	22.81	5.4	15.21	5.4						-504393	SLU 29	-573391	-2773116	0.1	Si
83	22.81	5.4	15.21	5.4						-484295	SLU 30	-550521	-2773116	0.1	Si
102	22.81	5.4	15.21	5.4						-447052	SLU 30	-507408	-2773116	0.1	Si
120	22.81	5.4	15.21	5.4						-413312	SLU 30	-467973	-2773116	0.1	Si
139	22.81	5.4	15.21	5.4						-383072	SLU 30	-432230	-2773116	0.1	Si
157	22.81	5.4	15.21	5.4						-356335	SLU 30	-399988	-2773116	0.1	Si
176	22.81	5.4	15.21	5.4						-333100	SLU 30	-371249	-2773116	0.1	Si
194	22.81	5.4	15.21	5.4						-313366	SLU 30	-346011	-2773116	0.1	Si
213	26.43	5.4	16.95	5.4						-297134	SLU 30	-324275	-3201400	0.104	Si
222	27.3	5.4	17.57	5.4						-290331	SLU 30	-314720	-3304354	0.105	Si
240	29.04	5.4	18.81	5.4						-280466	SLU 36	-298237	-3510551	0.106	Si
255	30.41	5.4	19.01	5.4						-277214	SLU 36	-287822	-3671897	0.108	Si
259	30.41	5.4	19.01	5.4						-276557	SLU 36	-276557	-3671897	0.108	Si
277	30.41	5.4	19.01	5.4						-276150	SLU 36	-275440	-3671897	0.108	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4	2025589	SLV 7	1846275	1872416	0.087	-2978052	SLV 9	-2751534	-2773116	0.1	Si
18	22.81	5.4	15.21	5.4	1729439	SLV 7	1723710	1872416	0.087	-2606722	SLV 9	-2599658	-2773116	0.1	Si
23	22.81	5.4	15.21	5.4	1664875	SLV 7	1664875	1872416	0.087	-2526752	SLV 9	-2526752	-2773116	0.1	Si
37	22.81	5.4	15.21	5.4	1430663	SLV 7	1664875	1872416	0.087	-2238154	SLV 9	-2526752	-2773116	0.1	Si
55	22.81	5.4	15.21	5.4	1129329	SLV 7	1601783	1872416	0.087	-1872417	SLV 9	-2448605	-2773116	0.1	Si
74	22.81	5.4	15.21	5.4	825654	SLV 7	1301900	1872416	0.087	-1509724	SLV 9	-2081237	-2773116	0.1	Si
83	22.81	5.4	15.21	5.4	673175	SLV 7	1151011	1872416	0.087	-1329757	SLV 9	-1898626	-2773116	0.1	Si
102	22.81	5.4	15.21	5.4	370854	SLV 7	847497	1872416	0.087	-976500	SLV 9	-1535708	-2773116	0.1	Si
120	22.81	5.4	15.21	5.4	103580	SLV 11	542690	1872416	0.087	-663677	SLV 5	-1176885	-2773116	0.1	Si
139	22.81	5.4	15.21	5.4	-52935	SLV 15	295701	1872416	0.087	-467001	SLV 1	-833088	-2773116	0.1	Si
157	22.81	5.4	15.21	5.4	124068	SLV 13	642116	1872416	0.087	-609230	SLV 3	-1083592	-2773116	0.1	Si
176	22.81	5.4	15.21	5.4	444330	SLV 9	986157	1872416	0.087	-900106	SLV 7	-1406714	-2773116	0.1	Si
194	22.81	5.4	15.21	5.4	789781	SLV 9	1327620	1872416	0.087	-1221558	SLV 7	-1732646	-2773116	0.1	Si
213	26.43	5.4	16.95	5.4	1132731	SLV 9	1666447	2078530	0.088	-1545895	SLV 7	-2061329	-3201400	0.104	Si
222	27.3	5.4	17.57	5.4	1303230	SLV 9	1834864	2152197	0.088	-1709109	SLV 7	-2226694	-3304354	0.105	Si
240	29.04	5.4	18.81	5.4	1642248	SLV 9	1905907	2299564	0.089	-2037595	SLV 7	-2296933	-3510551	0.106	Si
255	30.41	5.4	19.01	5.4	1905907	SLV 9	1905907	2322222	0.089	-2296933	SLV 7	-2296933	-3671897	0.108	Si
259	30.41	5.4	19.01	5.4	1978606	SLV 9	1972134	2322222	0.089	-2368810	SLV 7	-2362446	-3671897	0.108	Si
277	30.41	5.4	19.01	5.4	2312292	SLV 9	2110097	2322222	0.089	-2702740	SLV 7	-2498924	-3671897	0.108	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4	630891	SLD 7	564697	1872416	0.087	-1583353	SLD 9	-1469956	-2773116	0.1	Si
18	22.81	5.4	15.21	5.4	520792	SLD 7	518629	1872416	0.087	-1398075	SLD 9	-1394577	-2773116	0.1	Si
23	22.81	5.4	15.21	5.4	496515	SLD 7	496515	1872416	0.087	-1358392	SLD 9	-1358392	-2773116	0.1	Si
37	22.81	5.4	15.21	5.4	408030	SLD 7	496515	1872416	0.087	-1215521	SLD 9	-1358392	-2773116	0.1	Si
55	22.81	5.4	15.21	5.4	292634	SLD 7	472792	1872416	0.087	-1035721	SLD 9	-1319614	-2773116	0.1	Si
74	22.81	5.4	15.21	5.4	174700	SLD 7	358896	1872416	0.087	-858770	SLD 9	-1138234	-2773116	0.1	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
83	22.81	5.4	15.21	5.4	114886	SLD 7	300966	1872416	0.087	-771468	SLD 9	-1048581	-2773116	0.1	Si
102	22.81	5.4	15.21	5.4	-4701	SLD 7	183212	1872416	0.087	-600945	SLD 9	-871423	-2773116	0.1	Si
120	22.81	5.4	15.21	5.4	-110280	SLD 11	63383	1872416	0.087	-449817	SLD 5	-697578	-2773116	0.1	Si
139	22.81	5.4	15.21	5.4	-168349	SLD 15	463	1872416	0.087	-351587	SLD 1	-531885	-2773116	0.1	Si
157	22.81	5.4	15.21	5.4	-80329	SLD 13	161094	1872416	0.087	-404833	SLD 3	-602569	-2773116	0.1	Si
176	22.81	5.4	15.21	5.4	69582	SLD 9	319171	1872416	0.087	-525358	SLD 7	-739728	-2773116	0.1	Si
194	22.81	5.4	15.21	5.4	229143	SLD 9	474607	1872416	0.087	-660919	SLD 7	-879632	-2773116	0.1	Si
213	26.43	5.4	16.95	5.4	386095	SLD 9	627374	2078530	0.088	-799259	SLD 7	-1022255	-3201400	0.104	Si
222	27.3	5.4	17.57	5.4	463576	SLD 9	702753	2152197	0.088	-869454	SLD 7	-1094583	-3304354	0.105	Si
240	29.04	5.4	18.81	5.4	616535	SLD 9	734415	2299564	0.089	-1011883	SLD 7	-1125441	-3510551	0.106	Si
255	30.41	5.4	19.01	5.4	734415	SLD 9	734415	2322222	0.089	-1125441	SLD 7	-1125441	-3671897	0.108	Si
259	30.41	5.4	19.01	5.4	766816	SLD 9	763921	2322222	0.089	-1157020	SLD 7	-1154234	-3671897	0.108	Si
277	30.41	5.4	19.01	5.4	914412	SLD 9	825388	2322222	0.089	-1304860	SLD 7	-1214214	-3671897	0.108	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	2980	SLU 29	2980	13761	76908	0	13761	1	Si
18	0	22.81	0	2791	SLU 29	2791	13761	76908	0	13761	1	Si
23	0.215	22.81	0	2750	SLU 29	2750	13761	76908	25009	25009	1	Si
37	0.215	22.81	0	2602	SLU 29	2602	13761	76908	25009	25009	1	Si
55	0.215	22.81	0	2412	SLU 29	2412	13761	76908	25009	25009	1	Si
74	0.215	22.81	0	2223	SLU 29	2223	13761	76908	25009	25009	1	Si
83	0.215	22.81	0	2128	SLU 29	2128	13761	76908	25009	25009	1	Si
102	0.218	22.81	0	1939	SLU 29	1939	13761	76908	25256	25256	1	Si
120	0.218	22.81	0	1750	SLU 29	1750	13761	76908	25256	25256	1	Si
139	0.218	22.81	0	1560	SLU 29	1560	13761	76908	25256	25256	1	Si
157	0.218	22.81	0	1371	SLU 29	1371	13761	76908	25256	25256	1	Si
176	0.218	22.81	0	1181	SLU 29	1181	13761	76908	25256	25256	1	Si
194	0.215	22.81	0	992	SLU 29	992	13761	76908	25009	25009	1	Si
213	0.215	22.81	0	803	SLU 29	803	13761	76908	25009	25009	1	Si
222	0.215	22.81	0	708	SLU 29	708	13761	76908	25009	25009	1	Si
240	0.215	22.81	0	555	SLU 11	555	13761	76908	25009	25009	1	Si
240	0.215	22.81	0	-112	SLU 26	-112	-13761	-76908	-25009	-25009	1	Si
255	0.215	22.81	0	441	SLU 11	441	13761	76908	25009	25009	1	Si
255	0.215	22.81	0	-261	SLU 26	-261	-13761	-76908	-25009	-25009	1	Si
259	0	22.81	0	409	SLU 11	409	13761	76908	0	13761	1	Si
259	0	22.81	0	-302	SLU 26	-302	-13761	-76908	0	-13761	1	Si
277	0	26.43	0	264	SLU 11	264	14453	76908	0	14453	1	Si
277	0	26.43	0	-491	SLU 26	-491	-14453	-76908	0	-14453	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	20158	SLV 9	24851	13761	76908	0	13761	1	Si
0	0	15.21	0	-15947	SLV 7	-20641	-12021	-76908	0	-12021	1	Si
18	0	22.81	0	20012	SLV 9	24706	13761	76908	0	13761	1	Si
18	0	15.21	0	-16093	SLV 7	-20787	-12021	-76908	0	-12021	1	Si
23	0.215	22.81	0	19981	SLV 9	24674	13761	76908	25009	25009	1	Si
23	0.215	15.21	0	-16124	SLV 7	-20818	-12021	-76908	-25009	-25009	1	Si
37	0.215	22.81	0	19866	SLV 9	24560	13761	76908	25009	25009	1	Si
37	0.215	15.21	0	-16239	SLV 7	-20932	-12021	-76908	-25009	-25009	1	Si
55	0.215	22.81	0	19721	SLV 9	24415	13761	76908	25009	25009	1	Si
55	0.215	15.21	0	-16384	SLV 7	-21078	-12021	-76908	-25009	-25009	1	Si
74	0.215	22.81	0	19575	SLV 9	24269	13761	76908	25009	25009	1	Si
74	0.215	15.21	0	-16530	SLV 7	-21223	-12021	-76908	-25009	-25009	1	Si
83	0.215	22.81	0	19502	SLV 9	24196	13761	76908	25009	25009	1	Si
83	0.215	15.21	0	-16603	SLV 7	-21296	-12021	-76908	-25009	-25009	1	Si
102	0.218	22.81	0	19357	SLV 9	24050	13761	76908	25256	25256	1	Si
102	0.218	15.21	0	-16748	SLV 7	-21442	-12021	-76908	-25256	-25256	1	Si
120	0.218	22.81	0	19211	SLV 9	23905	13761	76908	25256	25256	1	Si
120	0.218	15.21	0	-16894	SLV 7	-21588	-12021	-76908	-25256	-25256	1	Si
139	0.218	22.81	0	19065	SLV 9	23759	13761	76908	25256	25256	1	Si
139	0.218	22.81	0	-17040	SLV 7	-21733	-13761	-76908	-25256	-25256	1	Si
157	0.218	15.21	0	18920	SLV 9	23613	12021	76908	25256	25256	1	Si
157	0.218	22.81	0	-17185	SLV 7	-21879	-13761	-76908	-25256	-25256	1	Si
176	0.218	15.21	0	18774	SLV 9	23468	12021	76908	25256	25256	1	Si
176	0.218	22.81	0	-17331	SLV 7	-22025	-13761	-76908	-25256	-25256	1	Si
194	0.215	15.21	0	18629	SLV 9	23322	12021	76908	25009	25009	1	Si
194	0.215	22.81	0	-17477	SLV 7	-22170	-13761	-76908	-25009	-25009	1	Si
213	0.215	15.21	0	18483	SLV 9	23177	12021	76908	25009	25009	1	Si
213	0.215	22.81	0	-17622	SLV 7	-22316	-13761	-76908	-25009	-25009	1	Si
222	0.215	15.21	0	18410	SLV 9	23104	12021	76908	25009	25009	1	Si
222	0.215	22.81	0	-17695	SLV 7	-22389	-13761	-76908	-25009	-25009	1	Si
240	0.215	15.21	0	18264	SLV 9	22958	12021	76908	25009	25009	1	Si
240	0.215	22.81	0	-17841	SLV 7	-22534	-13761	-76908	-25009	-25009	1	Si
255	0.215	15.21	0	18150	SLV 9	22844	12021	76908	25009	25009	1	Si
255	0.215	22.81	0	-17955	SLV 7	-22648	-13761	-76908	-25009	-25009	1	Si
259	0	15.21	0	18119	SLV 9	22812	12021	76908	0	12021	1	Si
259	0	22.81	0	-17986	SLV 7	-22680	-13761	-76908	0	-13761	1	Si
277	0	16.95	0	17973	SLV 9	22667	12463	76908	0	12463	1	Si
277	0	26.43	0	-18132	SLV 7	-22826	-14453	-76908	0	-14453	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	10094	SLD 9	10094	13761	76908	0	13761	1	Si
0	0	15.21	0	-5883	SLD 7	-5883	-12021	-76908	0	-12021	1	Si
18	0	22.81	0	9948	SLD 9	9948	13761	76908	0	13761	1	Si
18	0	15.21	0	-6029	SLD 7	-6029	-12021	-76908	0	-12021	1	Si
23	0.215	22.81	0	9917	SLD 9	9917	13761	76908	25009	25009	1	Si
23	0.215	15.21	0	-6061	SLD 7	-6061	-12021	-76908	-25009	-25009	1	Si
37	0.215	22.81	0	9803	SLD 9	9803	13761	76908	25009	25009	1	Si
37	0.215	15.21	0	-6175	SLD 7	-6175	-12021	-76908	-25009	-25009	1	Si
55	0.215	22.81	0	9657	SLD 9	9657	13761	76908	25009	25009	1	Si
55	0.215	15.21	0	-6320	SLD 7	-6320	-12021	-76908	-25009	-25009	1	Si
74	0.215	22.81	0	9511	SLD 9	9511	13761	76908	25009	25009	1	Si
74	0.215	15.21	0	-6466	SLD 7	-6466	-12021	-76908	-25009	-25009	1	Si
83	0.215	22.81	0	9439	SLD 9	9439	13761	76908	25009	25009	1	Si
83	0.215	15.21	0	-6539	SLD 7	-6539	-12021	-76908	-25009	-25009	1	Si
102	0.218	22.81	0	9293	SLD 9	9293	13761	76908	25256	25256	1	Si
102	0.218	22.81	0	-6684	SLD 7	-6684	-13761	-76908	-25256	-25256	1	Si
120	0.218	22.81	0	9147	SLD 9	9147	13761	76908	25256	25256	1	Si
120	0.218	22.81	0	-6830	SLD 7	-6830	-13761	-76908	-25256	-25256	1	Si
139	0.218	22.81	0	9002	SLD 9	9002	13761	76908	25256	25256	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
139	0.218	22.81	0	-6976	SLD 7	-6976	-13761	-76908	-25256	-25256	1	Si
157	0.218	22.81	0	8856	SLD 9	8856	13761	76908	25256	25256	1	Si
157	0.218	22.81	0	-7121	SLD 7	-7121	-13761	-76908	-25256	-25256	1	Si
176	0.218	15.21	0	8710	SLD 9	8710	12021	76908	25256	25256	1	Si
176	0.218	22.81	0	-7267	SLD 7	-7267	-13761	-76908	-25256	-25256	1	Si
194	0.215	15.21	0	8565	SLD 9	8565	12021	76908	25009	25009	1	Si
194	0.215	22.81	0	-7413	SLD 7	-7413	-13761	-76908	-25009	-25009	1	Si
213	0.215	15.21	0	8419	SLD 9	8419	12021	76908	25009	25009	1	Si
213	0.215	22.81	0	-7558	SLD 7	-7558	-13761	-76908	-25009	-25009	1	Si
222	0.215	15.21	0	8346	SLD 9	8346	12021	76908	25009	25009	1	Si
222	0.215	22.81	0	-7631	SLD 7	-7631	-13761	-76908	-25009	-25009	1	Si
240	0.215	15.21	0	8201	SLD 9	8201	12021	76908	25009	25009	1	Si
240	0.215	22.81	0	-7777	SLD 7	-7777	-13761	-76908	-25009	-25009	1	Si
255	0.215	15.21	0	8086	SLD 9	8086	12021	76908	25009	25009	1	Si
255	0.215	22.81	0	-7891	SLD 7	-7891	-13761	-76908	-25009	-25009	1	Si
259	0	15.21	0	8055	SLD 9	8055	12021	76908	0	12021	1	Si
259	0	22.81	0	-7922	SLD 7	-7922	-13761	-76908	0	-13761	1	Si
277	0	16.95	0	7909	SLD 9	7909	12463	76908	0	12463	1	Si
277	0	26.43	0	-8068	SLD 7	-8068	-14453	-76908	0	-14453	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-512330	2	-487401	12.7	124.5	369.8	1837	-476231	2	-452630	11.8	93.4	0	+∞	Si
18	-472559	2	-471849	12.3	124.5	358	1837	-438642	2	-437974	11.4	93.4	0	+∞	Si
23	-464384	2	-464384	12.1	124.5	352.4	1837	-430939	2	-430939	11.2	93.4	0	+∞	Si
37	-435483	2	-464384	12.1	124.5	352.4	1837	-403746	2	-430939	11.2	93.4	0	+∞	Si
55	-401100	2	-456395	11.9	124.5	346.3	1837	-371544	2	-423411	11	93.4	0	+∞	Si
74	-369410	2	-420471	10.9	124.5	319	1837	-342035	2	-389669	10.1	93.4	0	+∞	Si
83	-354589	3	-403520	10.5	124.5	306.2	1837	-328291	2	-373807	9.7	93.4	0	+∞	Si
102	-327184	3	-371637	9.7	124.5	282	1837	-302823	2	-344106	8.9	93.4	0	+∞	Si
120	-302474	3	-342566	8.9	124.5	259.9	1837	-280049	2	-317097	8.2	93.4	0	+∞	Si
139	-280457	3	-316315	8.2	124.5	240	1837	-259968	2	-292783	7.6	93.4	0	+∞	Si
157	-261133	3	-292758	7.6	124.5	222.1	1837	-242581	2	-271162	7.1	93.4	0	+∞	Si
176	-244503	3	-271894	7.1	124.5	206.3	1837	-227888	2	-252235	6.6	93.4	0	+∞	Si
194	-230567	3	-253724	6.6	124.5	192.5	1837	-215888	2	-236001	6.1	93.4	0	+∞	Si
213	-219325	3	-238248	5.8	124.5	156.7	1837	-206582	2	-222461	5.4	93.4	0	+∞	Si
222	-214714	3	-231520	5.5	124.5	147.5	1837	-202939	2	-216701	5.2	93.4	0	+∞	Si
240	-208255	9	-220084	5.1	124.5	132	1837	-197674	2	-207202	4.8	93.4	0	+∞	Si
255	-206441	9	-213047	4.9	124.5	122.2	1837	-195513	2	-201682	4.6	93.4	0	+∞	Si
259	-206126	9	-206126	4.7	124.5	118.3	1837	-195102	2	-195102	4.5	93.4	0	+∞	Si
277	-206690	9	-205610	4.7	124.5	118	1837	-195224	2	-194413	4.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
23	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
37	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.006	1	-0.007	1	9999	Si
55	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.009	1	-0.01	1	9999	Si
74	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.01	1	-0.012	1	9999	Si
83	-0.005	-0.007	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.011	1	-0.012	1	9999	Si
102	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.012	1	-0.013	1	9999	Si
120	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.012	1	-0.014	1	9999	Si
129	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.012	1	-0.014	1	9999	Si
139	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.012	1	-0.014	1	9999	Si
157	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.012	1	-0.013	1	9999	Si
176	-0.005	-0.007	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.011	1	-0.012	1	9999	Si
194	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.01	1	-0.011	1	9999	Si
213	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.008	1	-0.009	1	9999	Si
222	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.007	1	-0.008	1	9999	Si
240	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
255	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
259	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1928	22746	25009	SLV 9	0.37	737	1.014	-430939	2095814	1872416	SLV 7	0.4	896	1.099	Si
37	1814	22746	25009	SLV 9	0.37	746	1.019	-430939	2095814	1872416	SLV 7	0.4	896	1.099	Si
55	1668	22746	25009	SLV 9	0.37	758	1.026	-423411	2025194	1872416	SLV 7	0.41	966	1.133	Si
74	1523	22746	25009	SLV 9	0.38	769	1.032	-389669	1691569	1872416	SLV 7	0.48	1495	1.355	Si
83	1450	22746	25009	SLV 9	0.38	775	1.035	-373807	1524818	1872416	SLV 7	0.53	1937	1.507	Si
102	1304	22746	25256	SLV 9	0.38	807	1.053	-344106	1191602	1872416	SLV 7	0.57	2474	1.666	Si
120	1159	22746	25256	SLV 9	0.38	819	1.059	-317097	859788	1872416	SLV 7	0.57	2474	1.666	Si
139	1013	22746	25256	SLV 9	0.39	831	1.065	-233891	529592	1872416	SLV 9	0.57	2474	1.666	Si
157	867	22746	25256	SLV 9	0.39	843	1.072	-220738	862854	1872416	SLV 9	0.57	2474	1.666	Si
176	722	22746	25256	SLV 9	0.39	856	1.078	-210279	1196436	1872416	SLV 9	0.57	2474	1.666	Si
194	576	22746	25009	SLV 9	0.39	847	1.074	-202513	1530133	1872416	SLV 9	0.49	1552	1.376	Si
213	430	22746	25009	SLV 9	0.39	859	1.08	-197441	1863888	2078530	SLV 9	0.44	1175	1.228	Si
222	358	22746	25009	SLV 9	0.39	866	1.084	-195915	2030779	2152197	SLV 9	0.42	1017	1.157	Si
240	212	22746	25009	SLV 9	0.4	878	1.09	-195513	2101420	2299564	SLV 9	0.43	1091	1.191	Si
255	98	22746	25009	SLV 9	0.4	888	1.095	-195513	2101420	2322222	SLV 9	0.43	1118	1.203	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1928	7989	25009	SLD 9	0.39	839	2.691	-430939	927454	1872416	SLD 7	0.34	581	2.315	Si
37	1814	7989	25009	SLD 9	0.39	849	2.704	-430939	927454	1872416	SLD 7	0.34	581	2.315	Si
55	1668	7989	25009	SLD 9	0.39	863	2.723	-423411	896203	1872416	SLD 7	0.35	626	2.387	Si
74	1523	7989	25009	SLD 9	0.39	875	2.738	-389669	748565	1872416	SLD 7	0.41	937	2.816	Si
83	1450	7989	25009	SLD 9	0.4	882	2.747	-373807	674774	1872416	SLD 7	0.45	1210	3.127	Si
102	1304	7989	25256	SLD 9	0.4	918	2.792	-344106	527317	1872416	SLD 7	0.55	2252	4.034	Si
120	1159	7989	25256	SLD 9	0.4	932	2.81	-317097	380481	1872416	SLD 7	0.6	2474	4.193	Si
139	1013	7989	25256	SLD 9	0.41	946	2.827	-233891	234354	1872416	SLD 9	0.6	2474	4.193	Si
157	867	7989	25256	SLD 9	0.41	959	2.843	-220738	381832	1872416	SLD 9	0.6	2474	4.193	Si
176	722	7989	25256	SLD 9	0.41	974	2.861	-210279	529450	1872416	SLD 9	0.52	1887	3.752	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
194	576	7989	25009	SLD 9	0.41	964	2.849	-202513	677119	1872416	SLD 9	0.41	968	2.854	Si
213	430	7989	25009	SLD 9	0.41	979	2.867	-197441	824814	2078530	SLD 9	0.37	749	2.569	Si
222	358	7989	25009	SLD 9	0.41	987	2.877	-195915	898668	2152197	SLD 9	0.35	657	2.435	Si
240	212	7989	25009	SLD 9	0.42	1002	2.895	-195513	929928	2299564	SLD 9	0.36	700	2.499	Si
255	98	7989	25009	SLD 9	0.42	1015	2.91	-195513	929928	2322222	SLD 9	0.36	716	2.522	Si

Campata 5 tra i fili 61 - 58, sezione R 45x70, asta 700

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	19.01	5.4						-1625845	SLU 30	-1481090	-3671897	0.108	Si
19	30.41	5.4	19.01	5.4						-1380857	SLU 30	-1377795	-3671897	0.108	Si
23	30.41	5.4	19.01	5.4						-1338820	SLU 30	-1338820	-3671897	0.108	Si
38	28.92	5.4	18.72	5.4						-1139633	SLU 30	-1338820	-3495459	0.106	Si
58	27.11	5.4	17.43	5.4						-902171	SLU 30	-1263716	-3281811	0.105	Si
77	22.81	5.4	15.21	5.4						-668472	SLU 30	-1024312	-2773116	0.1	Si
86	22.81	5.4	15.21	5.4						-553034	SLU 30	-906021	-2773116	0.1	Si
105	22.81	5.4	15.21	5.4	-192852	SLU 1	14588	1872416	0.087	-324980	SLU 30	-672261	-2773116	0.1	Si
125	24.24	5.9	15.21	5.4	-61172	SLU 1	232664	1898202	0.091	-100688	SLU 30	-442263	-2916871	0.103	Si
144	22.43	6.3	15.21	5.4	120562	SLU 29	447029	1913316	0.094	64543	SLU 8	-216029	-2688676	0.101	Si
163	20.62	6.7	15.21	5.4	336817	SLU 29	658089	1928325	0.1	192732	SLU 8	-2783	-2460299	0.099	Si
182	15.21	7.4	15.21	5.4	549608	SLU 30	865385	1934694	0.114						Si
201	15.21	7.4	15.21	5.4	758848	SLU 30	1068919	1934694	0.114						Si
220	15.21	7.4	12.01	5.4	964325	SLU 30	1268690	1557887	0.104						Si
230	15.21	7.4	9.43	5.4	1065652	SLU 30	1367165	1252320	0.097						No
249	15.21	7.4	13.67	5.4	1265484	SLU 30	1427681	1753926	0.109						Si
265	15.21	7.4	19.01	5.4	1427681	SLU 30	1427681	2364068	0.122						Si
268	15.21	7.4	19.01	5.4	1461553	SLU 30	1459002	2364068	0.122						Si
288	15.21	7.4	19.01	5.4	1653860	SLU 30	1542013	2364068	0.122						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	19.01	5.4	1222848	SLV 11	1144696	2322222	0.089	-3455287	SLV 5	-3177239	-3671897	0.108	Si
19	30.41	5.4	19.01	5.4	1088214	SLV 11	1086448	2322222	0.089	-2982612	SLV 5	-2976633	-3671897	0.108	Si
23	30.41	5.4	19.01	5.4	1064471	SLV 11	1064471	2322222	0.089	-2900942	SLV 5	-2900942	-3671897	0.108	Si
38	28.92	5.4	18.72	5.4	950720	SLV 11	1064471	2288777	0.089	-2512866	SLV 5	-2900942	-3495459	0.106	Si
58	27.11	5.4	17.43	5.4	810382	SLV 11	1022050	2136043	0.088	-2046064	SLV 5	-2755029	-3281811	0.105	Si
77	22.81	5.4	15.21	5.4	667226	SLV 11	883178	1872416	0.087	-1582235	SLV 5	-2286705	-2773116	0.1	Si
86	22.81	5.4	15.21	5.4	594608	SLV 11	812677	1872416	0.087	-1351450	SLV 5	-2053650	-2773116	0.1	Si
105	22.81	5.4	15.21	5.4	447354	SLV 11	669568	1872416	0.087	-892207	SLV 5	-1589772	-2773116	0.1	Si
125	24.24	5.9	15.21	5.4	297694	SLV 11	523696	1898202	0.091	-436346	SLV 5	-1128921	-2916871	0.103	Si
144	22.43	6.3	15.21	5.4	283251	SLV 15	761291	1913316	0.094	-121491	SLV 1	-671244	-2688676	0.101	Si
163	20.62	6.7	15.21	5.4	548615	SLV 9	1177025	1928325	0.1	-92232	SLV 7	-284980	-2460299	0.099	Si
182	15.21	7.4	15.21	5.4	961309	SLV 9	1603361	1934694	0.114	-216093	SLV 7	-431260	-1812040	0.091	Si
201	15.21	7.4	15.21	5.4	1382525	SLV 9	2041590	1934694	0.114	-354265	SLV 7	-595223	-1812040	0.091	No
220	15.21	7.4	12.01	5.4	1816174	SLV 5	2477698	1557887	0.104	-510659	SLV 11	-762854	-1812273	0.093	No
230	15.21	7.4	9.43	5.4	2034486	SLV 5	2695062	1252320	0.097	-592514	SLV 11	-848151	-1812555	0.094	No
249	15.21	7.4	13.67	5.4	2470622	SLV 5	2829538	1753926	0.109	-760078	SLV 11	-901576	-1812132	0.092	No
265	15.21	7.4	19.01	5.4	2829538	SLV 5	2829538	2364068	0.122	-901576	SLV 11	-901576	-1811821	0.09	No
268	15.21	7.4	19.01	5.4	2904805	SLV 5	2899341	2364068	0.122	-931479	SLV 11	-929441	-1811821	0.09	No
288	15.21	7.4	19.01	5.4	3336489	SLV 5	3084343	2364068	0.122	-1106170	SLV 11	-1003292	-1811821	0.09	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	19.01	5.4						-2151318	SLD 5	-1972556	-3671897	0.108	Si
19	30.41	5.4	19.01	5.4						-1847922	SLD 5	-1844102	-3671897	0.108	Si
23	30.41	5.4	19.01	5.4	-40836	SLD 11	5447	2322222	0.089	-1795635	SLD 5	-1795635	-3671897	0.108	Si
38	28.92	5.4	18.72	5.4	-14709	SLD 11	27971	2288777	0.089	-1547437	SLD 5	-1795635	-3495459	0.106	Si
58	27.11	5.4	17.43	5.4	14185	SLD 11	52536	2136043	0.088	-1249868	SLD 5	-1702218	-3281811	0.105	Si
77	22.81	5.4	15.21	5.4	40219	SLD 11	74292	1872416	0.087	-955228	SLD 5	-1403142	-2773116	0.1	Si
86	22.81	5.4	15.21	5.4	52170	SLD 11	84147	1872416	0.087	-809013	SLD 5	-1254699	-2773116	0.1	Si
105	22.81	5.4	15.21	5.4	73970	SLD 11	127746	1872416	0.087	-518823	SLD 5	-960011	-2773116	0.1	Si
125	24.24	5.9	15.21	5.4	93091	SLD 11	248785	1898202	0.091	-231743	SLD 5	-668277	-2916871	0.103	Si
144	22.43	6.3	15.21	5.4	170435	SLD 15	505859	1913316	0.094	-8675	SLD 1	-379560	-2688676	0.101	Si
163	20.62	6.7	15.21	5.4	369985	SLD 9	769507	1928325	0.1	86397	SLD 7	-117559	-2460299	0.099	Si
182	15.21	7.4	15.21	5.4	633121	SLD 9	1036233	1934694	0.114						Si
201	15.21	7.4	15.21	5.4	898414	SLD 9	1306609	1934694	0.114						Si
220	15.21	7.4	12.01	5.4	1167596	SLD 5	1574433	1557887	0.104						No
230	15.21	7.4	9.43	5.4	1302240	SLD 5	1707434	1252320	0.097						No
249	15.21	7.4	13.67	5.4	1570103	SLD 5	1789534	1753926	0.109						No
265	15.21	7.4	19.01	5.4	1789534	SLD 5	1789534	2364068	0.122						Si
268	15.21	7.4	19.01	5.4	1835487	SLD 5	1832114	2364068	0.122						Si
288	15.21	7.4	19.01	5.4	2098152	SLD 5	1944964	2364068	0.122						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.21	0	12877	SLU 30	12877	14413	76908	0	14413	1	Si
10	0	22.81	0	12778	SLU 30	12778	13761	76908	0	13761	1	Si
19	0	22.81	0	12680	SLU 30	12680	13761	76908	0	13761	1	Si
23	0.259	22.81	0	12646	SLU 30	12646	13761	76908	30011	30011	1	Si
38	0.259	22.81	0	12484	SLU 30	12484	13761	76908	30011	30011	1	Si
58	0.259	24.24	0	12288	SLU 30	12288	14042	76908	30011	30011	1	Si
77	0.259	22.43	0	12091	SLU 30	12091	13684	76908	30011	30011	1	Si
86	0.259	21.52	0	11993	SLU 30	11993	13497	76908	30011	30011	1	Si
105	0.245	15.21	0	11797	SLU 30	11797	12021	76908	28444	28444	1	Si
125	0.245	15.21	0	11601	SLU 30	11601	11974	76292	28216	28216	1	Si
144	0.245	14.59	0	11405	SLU 30	11405	11858	76908	28444	28444	1	Si
163	0.245	9.43	0	11208	SLU 30	11208	10252	76908	28444	28444	1	Si
182	0.245	13.67	0	11012	SLU 30	11012	11603	76908	28444	28444	1	Si
201	0.244	15.21	0	10816	SLU 30	10816	12021	76908	28344	28344	1	Si
220	0.244	15.21	0	10619	SLU 30	10619	12021	76908	28344	28344	1	Si
230	0.244	15.21	0	10521	SLU 30	10521	12021	76908	28344	28344	1	Si
249	0.244	15.21	0	10325	SLU 30	10325	12021	76908	28344	28344	1	Si
265	0.244	15.21	0	10163	SLU 30	10163	12021	76908	28344	28344	1	Si
268	0	15.21	0	10129	SLU 30	10129	12021	76908	0	12021	1	Si
288	0	12.01	0	9932	SLU 30	9932	11113	76908	0	11113	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.21	0	24737	SLV 5	28857	14413	76908	0	14413	1	Si
0	0	16.79	0	-6954	SLV 11	-11074	-12424	-76908	0	-12424	1	Si
19	0	22.81	0	24586	SLV 5	28706	13761	76908	0	13761	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
19	0	15.21	0	-7105	SLV 11	-11225	-12021	-76908	0	-12021	1	Si
23	0.259	22.81	0	24560	SLV 5	28680	13761	76908	30011	30011	1	Si
23	0.259	15.21	0	-7131	SLV 11	-11251	-12021	-76908	-30011	-30011	1	Si
38	0.259	22.81	0	24435	SLV 5	28555	13761	76908	30011	30011	1	Si
38	0.259	15.21	0	-7256	SLV 11	-11376	-12021	-76908	-30011	-30011	1	Si
58	0.259	24.24	0	24284	SLV 5	28404	14042	76908	30011	30011	1	Si
58	0.259	15.21	0	-7407	SLV 11	-11527	-12021	-76908	-30011	-30011	1	Si
77	0.259	22.43	0	24133	SLV 5	28253	13684	76908	30011	30011	1	Si
77	0.259	15.21	0	-7558	SLV 11	-11678	-12021	-76908	-30011	-30011	1	Si
86	0.259	21.52	0	24058	SLV 5	28177	13497	76908	30011	30011	1	Si
86	0.259	15.21	0	-7633	SLV 11	-11753	-12021	-76908	-30011	-30011	1	Si
105	0.245	15.21	0	23907	SLV 5	28026	12021	76908	28444	28444	1	Si
105	0.245	15.21	0	-7784	SLV 11	-11904	-12021	-76908	-28444	-28444	1	Si
125	0.245	15.21	0	23756	SLV 5	27875	11974	76292	28216	28216	1	Si
125	0.245	15.21	0	-7935	SLV 11	-12055	-12021	-76908	-28444	-28444	1	Si
144	0.245	15.21	0	23605	SLV 5	27724	11941	75859	28055	28055	1	Si
144	0.245	14.59	0	-8086	SLV 11	-12206	-11858	-76908	-28444	-28444	1	Si
163	0.245	9.43	0	23454	SLV 5	27573	10252	76908	28444	28444	1	Si
163	0.245	15.21	0	-8237	SLV 11	-12357	-11902	-75350	-27867	-27867	1	Si
182	0.245	13.67	0	23303	SLV 5	27422	11603	76908	28444	28444	1	Si
182	0.245	15.21	0	-8388	SLV 11	-12508	-11838	-74527	-27563	-27563	1	Si
201	0.244	15.21	0	23152	SLV 5	27271	12021	76908	28344	28344	1	Si
201	0.244	15.21	0	-8539	SLV 11	-12659	-11838	-74527	-27466	-27466	1	Si
220	0.244	15.21	0	23001	SLV 5	27120	12021	76908	28344	28344	1	Si
220	0.244	15.21	0	-8690	SLV 11	-12810	-11838	-74527	-27466	-27466	1	Si
230	0.244	15.21	0	22925	SLV 5	27045	12021	76908	28344	28344	1	Si
230	0.244	15.21	0	-8766	SLV 11	-12885	-11838	-74527	-27466	-27466	1	Si
249	0.244	15.21	0	22774	SLV 5	26894	12021	76908	28344	28344	1	Si
249	0.244	15.21	0	-8917	SLV 11	-13036	-11838	-74527	-27466	-27466	1	Si
265	0.244	15.21	0	22649	SLV 5	26769	12021	76908	28344	28344	1	Si
265	0.244	15.21	0	-9041	SLV 11	-13161	-11838	-74527	-27466	-27466	1	Si
268	0	15.21	0	22623	SLV 5	26743	12021	76908	0	12021	1	Si
268	0	15.21	0	-9068	SLV 11	-13187	-11838	-74527	0	-11838	1	Si
288	0	12.01	0	22472	SLV 5	26592	11113	76908	0	11113	1	Si
288	0	15.21	0	-9219	SLV 11	-13338	-11838	-74527	0	-11838	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.21	0	15904	SLD 5	15904	14413	76908	0	14413	1	Si
19	0	22.81	0	15753	SLD 5	15753	13761	76908	0	13761	1	Si
23	0.259	22.81	0	15726	SLD 5	15726	13761	76908	30011	30011	1	Si
38	0.259	22.81	0	15602	SLD 5	15602	13761	76908	30011	30011	1	Si
58	0.259	24.24	0	15451	SLD 5	15451	14042	76908	30011	30011	1	Si
77	0.259	22.43	0	15300	SLD 5	15300	13684	76908	30011	30011	1	Si
86	0.259	21.52	0	15224	SLD 5	15224	13497	76908	30011	30011	1	Si
105	0.245	15.21	0	15073	SLD 5	15073	12021	76908	28444	28444	1	Si
125	0.245	15.21	0	14922	SLD 5	14922	11974	76292	28216	28216	1	Si
144	0.245	14.59	0	14771	SLD 5	14771	11858	76908	28444	28444	1	Si
163	0.245	9.43	0	14620	SLD 5	14620	10252	76908	28444	28444	1	Si
182	0.245	13.67	0	14469	SLD 5	14469	11603	76908	28444	28444	1	Si
201	0.244	15.21	0	14318	SLD 5	14318	12021	76908	28344	28344	1	Si
220	0.244	15.21	0	14167	SLD 5	14167	12021	76908	28344	28344	1	Si
230	0.244	15.21	0	14092	SLD 5	14092	12021	76908	28344	28344	1	Si
249	0.244	15.21	0	13941	SLD 5	13941	12021	76908	28344	28344	1	Si
249	0.244	15.21	0	-83	SLD 11	-83	-12021	-76908	-28344	-28344	1	Si
265	0.244	15.21	0	13816	SLD 5	13816	12021	76908	28344	28344	1	Si
265	0.244	15.21	0	-208	SLD 11	-208	-12021	-76908	-28344	-28344	1	Si
268	0	15.21	0	13790	SLD 5	13790	12021	76908	0	12021	1	Si
268	0	15.21	0	-234	SLD 11	-234	-12021	-76908	0	-12021	1	Si
288	0	12.01	0	13639	SLD 5	13639	11113	76908	0	11113	1	Si
288	0	12.01	0	-385	SLD 11	-385	-11113	-76908	0	-11113	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1195334	3	-1088673	24.8	124.5	624.6	1837	-1116219	2	-1016272	23.2	93.4	0	+∞	Si
19	-1014873	3	-1012620	23.1	124.5	580.9	1837	-947199	2	-945092	21.6	93.4	0	+∞	Si
23	-983924	3	-983924	22.5	124.5	564.5	1837	-918236	2	-918236	21	93.4	0	+∞	Si
38	-837307	3	-983924	22.9	124.5	592.5	1837	-781073	2	-918236	21.3	93.4	0	+∞	Si
58	-662635	3	-928630	22.3	124.5	595.7	1837	-617841	2	-866489	20.8	93.4	0	+∞	Si
77	-490858	3	-752464	19.6	124.5	571	1837	-457504	2	-701764	18.3	93.4	0	+∞	Si
86	-406055	3	-665466	17.3	124.5	504.9	1837	-378421	2	-620486	16.1	93.4	0	+∞	Si
105	-238620	3	-493642	12.8	124.5	374.6	1837	-222426	2	-460102	12	93.4	0	+∞	Si
125	-74079	3	-324713	8.4	124.5	237.2	1837	-69326	2	-302613	7.8	93.4	0	+∞	Si
144	88048	2	327133	9.1	124.5	366.6	1837	80880	2	303100	8.5	93.4	0	+∞	Si
163	246459	2	481496	13.8	124.5	541.3	1837	228191	2	446022	12.8	93.4	0	+∞	Si
182	402175	3	632964	19.5	124.5	715.7	1837	372608	2	586050	18	93.4	0	+∞	Si
201	555137	3	781537	24	124.5	883.7	1837	514130	2	723183	22.2	93.4	0	+∞	Si
220	705205	3	927216	31.1	124.5	1316.6	1837	652758	2	857422	28.8	93.4	0	+∞	Si
230	779153	3	998970	36.8	124.5	1793.3	1837	720986	2	923456	34	93.4	0	+∞	Si
249	924879	3	1043042	33.3	124.5	1306.8	1837	855272	2	963981	30.8	93.4	0	+∞	Si
265	1043042	3	1043042	29.7	124.5	951.4	1837	963981	2	963981	27.4	93.4	0	+∞	Si
268	1067711	3	1065851	30.3	124.5	972.2	1837	986663	2	984950	28	93.4	0	+∞	Si
288	1207647	3	1126300	32	124.5	1027.4	1837	1115160	2	1040526	29.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
23	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
38	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.004	1	-0.005	1	9999	Si
58	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.004	1	-0.005	1	9999	Si
77	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
86	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
105	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	1	-0.001	1	9999	Si
125	0.001	0	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.002	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
144	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
163	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.008	2	0.007	2	9999	Si
182	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.004	0.004	0.01	2	0.009	2	9999	Si
201	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
220	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	2	0.01	2	9999	Si
230	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
249	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
265	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
268	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	8714	19965	30011	SLV 5	0.39	833	1.066	-918236	-1982707	-3671897	SLV 5	0.5	1655	1.413	Si
38	8590	19965	30011	SLV 5	0.39	845	1.073	-918236	-1982707	-3495459	SLV 5	0.47	1387	1.314	Si
58	8439	19965	30011	SLV 5	0.39	859	1.08	-866489	-1888540	-3281811	SLV 5	0.46	1328	1.291	Si
77	8288	19965	30011	SLV 5	0.39	874	1.088	-701764	-1584941	-2773116	SLV 5	0.47	1407	1.322	Si
86	8212	19965	30011	SLV 5	0.4	882	1.092	-620486	-1433163	-2773116	SLV 5	0.54	2040	1.54	Si
105	8061	19965	28444	SLV 5	0.37	748	1.02	-460102	-1129670	-2773116	SLV 5	0.57	2474	1.666	Si
125	7910	19965	28216	SLV 5	0.37	741	1.017	-302613	826309	1898202	SLV 11	0.57	2474	1.666	Si
144	7759	19965	28055	SLV 5	0.37	740	1.016	303100	458191	1913316	SLV 9	0.57	2474	1.666	Si
163	7608	19965	28444	SLV 5	0.38	789	1.043	446022	731002	1928325	SLV 9	0.57	2474	1.666	Si
182	7457	19965	28444	SLV 5	0.38	803	1.051	586050	1017311	1934694	SLV 9	0.48	1461	1.343	Si
201	7306	19965	28344	SLV 5	0.38	808	1.053	723183	1318407	1934694	SLV 5	0.34	580	0.919	No
220	7155	19965	28344	SLV 5	0.39	822	1.061	857422	1620276	1557887	SLV 5	0.16	113	0.47	No
230	7080	19965	28344	SLV 5	0.39	830	1.065	923456	1771607	1252320	SLV 5	0.07	21	0.236	No
249	6929	19965	28344	SLV 5	0.39	844	1.072	963981	1865557	1753926	SLV 5	0.16	109	0.463	No
265	6804	19965	28344	SLV 5	0.39	856	1.078	963981	1865557	2364068	SLV 5	0.28	366	0.761	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	8714	7012	30011	SLD 5	0.41	948	2.83	-918236	-877400	-3671897	SLD 5	0.42	1032	2.93	Si
38	8590	7012	30011	SLD 5	0.41	962	2.847	-918236	-877400	-3495459	SLD 5	0.39	874	2.737	Si
58	8439	7012	30011	SLD 5	0.41	978	2.866	-866489	-835728	-3281811	SLD 5	0.39	840	2.693	Si
77	8288	7012	30011	SLD 5	0.42	997	2.889	-701764	-701378	-2773116	SLD 5	0.4	885	2.751	Si
86	8212	7012	30011	SLD 5	0.42	1007	2.9	-620486	-634213	-2773116	SLD 5	0.45	1273	3.193	Si
105	8061	7012	28444	SLD 5	0.39	851	2.707	-460102	-499909	-2773116	SLD 5	0.6	2474	4.193	Si
125	7910	7012	28216	SLD 5	0.39	843	2.697	-302613	365664	1898202	SLD 11	0.6	2474	4.193	Si
144	7759	7012	28444	SLD 5	0.4	883	2.748	303100	202759	1913316	SLD 9	0.6	2474	4.193	Si
163	7608	7012	28444	SLD 5	0.4	898	2.767	446022	323484	1928325	SLD 9	0.6	2474	4.193	Si
182	7457	7012	28444	SLD 5	0.4	915	2.789	586050	450183	1934694	SLD 9	0.4	916	2.79	Si
201	7306	7012	28344	SLD 5	0.4	919	2.794	723183	583426	1934694	SLD 5	0.28	387	1.96	Si
220	7155	7012	28344	SLD 5	0.41	937	2.816	857422	717011	1557887	SLD 5	0.14	79	1.022	No
230	7080	7012	28344	SLD 5	0.41	945	2.826	923456	783978	1252320	SLD 5	0.06	14	0.503	No
249	6929	7012	28344	SLD 5	0.41	960	2.844	963981	825554	1753926	SLD 5	0.13	76	1.005	No
265	6804	7012	28344	SLD 5	0.41	974	2.861	963981	825554	2364068	SLD 5	0.23	248	1.633	Si

Campata 6 tra i fili 58 - 55, sezione R 45x70, asta 701

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	7.4	19.01	5.4	474955	SLU 30	474955	2364068	0.122						Si
19	15.21	7.4	19.01	5.4	527580	SLU 30	527580	2364068	0.122						Si
23	15.21	7.4	19.01	5.4	536763	SLU 30	609079	2364068	0.122						Si
38	15.21	7.4	19.01	5.4	576509	SLU 30	644191	2364068	0.122						Si
57	15.21	7.4	19.01	5.4	621742	SLU 30	683770	2364068	0.122						Si
76	15.21	7.4	19.01	5.4	663280	SLU 30	719653	2364068	0.122						Si
85	15.21	7.4	19.01	5.4	682662	SLU 30	736209	2364068	0.122						Si
104	15.21	7.4	19.01	5.4	718656	SLU 30	766548	2364068	0.122						Si
123	14.34	7.3	19.01	5.4	750955	SLU 30	793192	2362698	0.12						Si
142	12.54	7	19.01	5.4	779557	SLU 30	816140	2358920	0.116						Si
161	10.75	6.6	19.01	5.4	804464	SLU 30	835392	2348692	0.112						Si
180	7.6	5.4	19.01	5.4	825675	SLU 30	850949	2323876	0.102						Si
199	11.37	5.4	19.01	5.4	843190	SLU 30	862809	2323525	0.097						Si
209	12.26	5.4	19.01	5.4	850562	SLU 30	867354	2323464	0.096						Si
218	13.16	5.4	22.25	5.4	857009	SLU 30	870974	2707401	0.101						Si
228	14.05	5.4	23.53	5.4	862533	SLU 30	873671	2858737	0.103						Si
247	15.21	5.4	26.09	5.4	870809	SLU 30	874716	3161151	0.106						Si
262	15.21	5.4	26.61	5.4	874716	SLU 30	874716	3222619	0.107						Si
266	15.21	5.4	26.61	5.4	875389	SLU 30	875296	3222619	0.107						Si
285	15.21	5.4	26.61	5.4	876274	SLU 30	876274	3222619	0.107						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	7.4	19.01	5.4	2579232	SLV 7	2429520	2364068	0.122	-1964054	SLV 9	-1766863	-1811821	0.09	No
19	15.21	7.4	19.01	5.4	2323234	SLV 7	2319863	2364068	0.122	-1630432	SLV 9	-1626074	-1811821	0.09	Si
23	15.21	7.4	19.01	5.4	2275742	SLV 7	2275742	2364068	0.122	-1569426	SLV 9	-1569426	-1811821	0.09	Si
38	15.21	7.4	19.01	5.4	2064836	SLV 7	2275742	2364068	0.122	-1300096	SLV 9	-1569426	-1811821	0.09	Si
57	15.21	7.4	19.01	5.4	1804179	SLV 7	2202061	2364068	0.122	-973186	SLV 9	-1474780	-1811821	0.09	Si
76	15.21	7.4	19.01	5.4	1541441	SLV 7	1942583	2364068	0.122	-649880	SLV 9	-1146036	-1811821	0.09	Si
85	15.21	7.4	19.01	5.4	1409354	SLV 7	1812015	2364068	0.122	-489642	SLV 9	-982967	-1811821	0.09	Si
104	15.21	7.4	19.01	5.4	1143873	SLV 7	1549338	2364068	0.122	-172123	SLV 9	-659552	-1811821	0.09	Si
123	14.34	7.3	19.01	5.4	876802	SLV 7	1284775	2362698	0.12	141302	SLV 9	-339937	-1715724	0.089	Si
142	12.54	7	19.01	5.4	668123	SLV 3	1018526	2358920	0.116	390647	SLV 13	-24322	-1517795	0.087	Si
161	10.75	6.6	19.01	5.4	835687	SLV 5	1304799	2348692	0.112	258065	SLV 11	-168570	-1319823	0.084	Si
180	7.6	5.4	19.01	5.4	1142802	SLV 5	1608874	2323876	0.102	-19755	SLV 11	-452050	-971525	0.08	Si
199	11.37	5.4	19.01	5.4	1447999	SLV 5	1910696	2323525	0.097	-301343	SLV 11	-738961	-1417762	0.084	Si
218	13.16	5.4	22.25	5.4	1751037	SLV 5	2210119	2707401	0.101	-586457	SLV 11	-1029159	-1629959	0.085	Si
228	14.05	5.4	23.53	5.4	1901692	SLV 5	2358896	2858737	0.103	-730282	SLV 11	-1175456	-1736009	0.086	Si
247	15.21	5.4	26.09	5.4	2201190	SLV 5	2443591	3161151	0.106	-1020384	SLV 11	-1259497	-1872313	0.087	Si
262	15.21	5.4	26.61	5.4	2443591	SLV 5	2443591	3222619	0.107	-1259497	SLV 11	-1259497	-1872306	0.087	Si
266	15.21	5.4	26.61	5.4	2498183	SLV 5	2491786	3222619	0.107	-1313667	SLV 11	-1307367	-1872306	0.087	Si
285	15.21	5.4	26.61	5.4	2792592	SLV 5	2611568	3222619	0.107	-1610052	SLV 11	-1426340	-1872306	0.087	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	7.4	19.01	5.4	1312845	SLD 7	1259828	2364068	0.122	-697667	SLD 9	-597171	-1811821	0.09	Si
19	15.21	7.4	19.01	5.4	1221197	SLD 7	1219980	2364068	0.122	-528395	SLD 9	-526191	-1811821	0.09	Si
23	15.21	7.4	19.01	5.4	1203947	SLD 7	1203947	2364068	0.122	-497632	SLD 9	-497632	-1811821	0.09	Si
38	15.21	7.4	19.01	5.4	1126901	SLD 7	1203947	2364068	0.122	-362161	SLD 9	-497632	-1811821	0.09	Si
57	15.21	7.4	19.01	5.4	1030022	SLD 7	1177186	2364068	0.122	-199029	SLD 9	-449905	-1811821	0.09	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
76	15.21	7.4	19.01	5.4	930636	SLD 7	1081667	2364068	0.122	-39076	SLD 9	-285120	-1811821	0.09	Si
85	15.21	7.4	19.01	5.4	880032	SLD 7	1032947	2364068	0.122	39680	SLD 9	-203899	-1811821	0.09	Si
104	15.21	7.4	19.01	5.4	777056	SLD 7	933637	2364068	0.122	194695	SLD 9	-43850	-1811821	0.09	Si
123	14.34	7.3	19.01	5.4	671790	SLD 7	831907	2362698	0.12						Si
142	12.54	7	19.01	5.4	590782	SLD 3	751316	2358920	0.116						Si
161	10.75	6.6	19.01	5.4	674682	SLD 5	894115	2348692	0.112						Si
180	7.6	5.4	19.01	5.4	818753	SLD 5	1034416	2323876	0.102						Si
199	11.37	5.4	19.01	5.4	960391	SLD 5	1172136	2323525	0.097	186266	SLD 11	-401	-1417762	0.084	Si
209	12.26	5.4	19.01	5.4	1030263	SLD 5	1240006	2323464	0.096	126067	SLD 11	-62948	-1523898	0.084	Si
218	13.16	5.4	22.25	5.4	1099489	SLD 5	1307209	2707401	0.101	65092	SLD 11	-126249	-1629959	0.085	Si
228	14.05	5.4	23.53	5.4	1168061	SLD 5	1373737	2858737	0.103	3350	SLD 11	-190297	-1736009	0.086	Si
247	15.21	5.4	26.09	5.4	1303214	SLD 5	1411399	3161151	0.106	-122409	SLD 11	-227305	-1872313	0.087	Si
262	15.21	5.4	26.61	5.4	1411399	SLD 5	1411399	3222619	0.107	-227305	SLD 11	-227305	-1872306	0.087	Si
266	15.21	5.4	26.61	5.4	1435675	SLD 5	1432817	3222619	0.107	-251159	SLD 11	-248398	-1872306	0.087	Si
285	15.21	5.4	26.61	5.4	1565407	SLD 5	1486049	3222619	0.107	-382867	SLD 11	-300821	-1872306	0.087	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	2867	SLU 30	2867	12949	76908	0	12949	1	Si
19	0	19.01	0	2672	SLU 30	2672	12949	76908	0	12949	1	Si
23	0.201	19.01	0	2637	SLU 30	2637	12949	76908	23342	23342	1	Si
38	0.201	19.01	0	2478	SLU 30	2478	12949	76908	23342	23342	1	Si
57	0.201	19.01	0	2283	SLU 30	2283	12949	76908	23342	23342	1	Si
76	0.201	19.01	0	2089	SLU 30	2089	12949	76908	23342	23342	1	Si
85	0.201	19.01	0	1992	SLU 30	1992	12949	76908	23342	23342	1	Si
104	0.191	19.01	0	1797	SLU 30	1797	12949	76908	22175	22175	1	Si
123	0.191	19.01	0	1603	SLU 30	1603	12949	76908	22175	22175	1	Si
142	0.191	19.01	0	1408	SLU 30	1408	12949	76908	22175	22175	1	Si
161	0.191	19.01	0	1214	SLU 30	1214	12949	76908	22175	22175	1	Si
180	0.191	19.01	0	1019	SLU 30	1019	12949	76908	22175	22175	1	Si
199	0.187	19.01	0	825	SLU 30	825	12949	76908	21675	21675	1	Si
218	0.187	19.01	0	630	SLU 30	630	12949	76908	21675	21675	1	Si
228	0.187	19.01	0	533	SLU 30	533	12949	76908	21675	21675	1	Si
247	0.187	19.01	0	339	SLU 12	339	12949	76908	21675	21675	1	Si
262	0.187	19.01	0	217	SLU 12	217	12949	76908	21675	21675	1	Si
262	0.187	19.01	0	-80	SLU 19	-80	-12949	-76908	-21675	-21675	1	Si
266	0	19.01	0	189	SLU 12	189	12949	76908	0	12949	1	Si
266	0	19.01	0	-116	SLU 19	-116	-12949	-76908	0	-12949	1	Si
285	0	22.25	0	40	SLU 12	40	13648	76908	0	13648	1	Si
285	0	22.25	0	-310	SLU 19	-310	-13648	-76908	0	-13648	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	17727	SLV 9	21786	11838	74527	0	11838	1	Si
0	0	19.01	0	-13492	SLV 7	-17551	-12949	-76908	0	-12949	1	Si
19	0	15.21	0	17578	SLV 9	21636	11838	74527	0	11838	1	Si
19	0	19.01	0	-13642	SLV 7	-17700	-12949	-76908	0	-12949	1	Si
23	0.201	15.21	0	17550	SLV 9	21608	11838	74527	22619	22619	1	Si
23	0.201	19.01	0	-13669	SLV 7	-17728	-12949	-76908	-23342	-23342	1	Si
38	0.201	15.21	0	17428	SLV 9	21486	11838	74527	22619	22619	1	Si
38	0.201	19.01	0	-13791	SLV 7	-17850	-12949	-76908	-23342	-23342	1	Si
57	0.201	14.34	0	17278	SLV 9	21337	11608	74527	22619	22619	1	Si
57	0.201	19.01	0	-13941	SLV 7	-17999	-12949	-76908	-23342	-23342	1	Si
76	0.201	12.54	0	17129	SLV 9	21187	11103	74527	22619	22619	1	Si
76	0.201	19.01	0	-14091	SLV 7	-18149	-12949	-76908	-23342	-23342	1	Si
85	0.201	11.65	0	17054	SLV 9	21112	10832	74527	22619	22619	1	Si
85	0.201	19.01	0	-14165	SLV 7	-18224	-12949	-76908	-23342	-23342	1	Si
104	0.191	7.6	0	16904	SLV 9	20963	9396	74527	21488	21488	1	Si
104	0.191	19.01	0	-14315	SLV 7	-18373	-12949	-76908	-22175	-22175	1	Si
123	0.191	19.01	0	16755	SLV 9	20813	12949	76908	22175	22175	1	Si
123	0.191	19.01	0	-14465	SLV 7	-18523	-12949	-76908	-22175	-22175	1	Si
142	0.191	19.01	0	16605	SLV 9	20663	12949	76908	22175	22175	1	Si
142	0.191	19.01	0	-14614	SLV 7	-18673	-12949	-76908	-22175	-22175	1	Si
161	0.191	19.01	0	16455	SLV 9	20514	12949	76908	22175	22175	1	Si
161	0.191	19.01	0	-14764	SLV 7	-18822	-12949	-76908	-22175	-22175	1	Si
180	0.191	19.01	0	16306	SLV 9	20364	12949	76908	22175	22175	1	Si
180	0.191	19.01	0	-14913	SLV 7	-18972	-12949	-76908	-22175	-22175	1	Si
199	0.187	19.01	0	16156	SLV 9	20215	12949	76908	21675	21675	1	Si
199	0.187	13.44	0	-15063	SLV 7	-19122	-11537	-76908	-21675	-21675	1	Si
218	0.187	19.01	0	16006	SLV 9	20065	12949	76908	21675	21675	1	Si
218	0.187	11.65	0	-15213	SLV 7	-19271	-10999	-76908	-21675	-21675	1	Si
228	0.187	19.01	0	15932	SLV 9	19990	12949	76908	21675	21675	1	Si
228	0.187	10.75	0	-15288	SLV 7	-19346	-10710	-76908	-21675	-21675	1	Si
247	0.187	19.01	0	15782	SLV 9	19841	12949	76908	21675	21675	1	Si
247	0.187	7.6	0	-15437	SLV 7	-19496	-9541	-76908	-21675	-21675	1	Si
262	0.187	19.01	0	15660	SLV 9	19718	12949	76908	21675	21675	1	Si
262	0.187	11.37	0	-15559	SLV 7	-19618	-10910	-76908	-21675	-21675	1	Si
266	0	19.01	0	15632	SLV 9	19691	12949	76908	0	12949	1	Si
266	0	11.37	0	-15587	SLV 7	-19645	-10910	-76908	0	-10910	1	Si
285	0	22.25	0	15483	SLV 9	19541	13648	76908	0	13648	1	Si
285	0	13.16	0	-15736	SLV 7	-19795	-11455	-76908	0	-11455	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	9025	SLD 9	9025	11838	74527	0	11838	1	Si
0	0	19.01	0	-4790	SLD 7	-4790	-12949	-76908	0	-12949	1	Si
19	0	15.21	0	8876	SLD 9	8876	11838	74527	0	11838	1	Si
19	0	19.01	0	-4940	SLD 7	-4940	-12949	-76908	0	-12949	1	Si
23	0.201	15.21	0	8848	SLD 9	8848	11838	74527	22619	22619	1	Si
23	0.201	19.01	0	-4967	SLD 7	-4967	-12949	-76908	-23342	-23342	1	Si
38	0.201	15.21	0	8726	SLD 9	8726	11838	74527	22619	22619	1	Si
38	0.201	19.01	0	-5089	SLD 7	-5089	-12949	-76908	-23342	-23342	1	Si
57	0.201	14.34	0	8576	SLD 9	8576	11608	74527	22619	22619	1	Si
57	0.201	19.01	0	-5239	SLD 7	-5239	-12949	-76908	-23342	-23342	1	Si
76	0.201	12.54	0	8427	SLD 9	8427	11103	74527	22619	22619	1	Si
76	0.201	19.01	0	-5389	SLD 7	-5389	-12949	-76908	-23342	-23342	1	Si
85	0.201	19.01	0	8352	SLD 9	8352	12949	76908	23342	23342	1	Si
85	0.201	19.01	0	-5463	SLD 7	-5463	-12949	-76908	-23342	-23342	1	Si
104	0.191	19.01	0	8202	SLD 9	8202	12949	76908	22175	22175	1	Si
104	0.191	19.01	0	-5613	SLD 7	-5613	-12949	-76908	-22175	-22175	1	Si
123	0.191	19.01	0	8053	SLD 9	8053	12949	76908	22175	22175	1	Si
123	0.191	19.01	0	-5763	SLD 7	-5763	-12949	-76908	-22175	-22175	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
142	0.191	19.01	0	7903	SLD 9	7903	12949	76908	22175	22175	1	Si
142	0.191	19.01	0	-5912	SLD 7	-5912	-12949	-76908	-22175	-22175	1	Si
161	0.191	19.01	0	7753	SLD 9	7753	12949	76908	22175	22175	1	Si
161	0.191	19.01	0	-6062	SLD 7	-6062	-12949	-76908	-22175	-22175	1	Si
180	0.191	19.01	0	7604	SLD 9	7604	12949	76908	22175	22175	1	Si
180	0.191	19.01	0	-6211	SLD 7	-6211	-12949	-76908	-22175	-22175	1	Si
199	0.187	19.01	0	7454	SLD 9	7454	12949	76908	21675	21675	1	Si
199	0.187	19.01	0	-6361	SLD 7	-6361	-12949	-76908	-21675	-21675	1	Si
218	0.187	19.01	0	7304	SLD 9	7304	12949	76908	21675	21675	1	Si
218	0.187	19.01	0	-6511	SLD 7	-6511	-12949	-76908	-21675	-21675	1	Si
228	0.187	19.01	0	7230	SLD 9	7230	12949	76908	21675	21675	1	Si
228	0.187	19.01	0	-6586	SLD 7	-6586	-12949	-76908	-21675	-21675	1	Si
247	0.187	19.01	0	7080	SLD 9	7080	12949	76908	21675	21675	1	Si
247	0.187	7.6	0	-6735	SLD 7	-6735	-9541	-76908	-21675	-21675	1	Si
262	0.187	19.01	0	6958	SLD 9	6958	12949	76908	21675	21675	1	Si
262	0.187	11.37	0	-6857	SLD 7	-6857	-10910	-76908	-21675	-21675	1	Si
266	0	19.01	0	6930	SLD 9	6930	12949	76908	0	12949	1	Si
266	0	11.37	0	-6885	SLD 7	-6885	-10910	-76908	0	-10910	1	Si
285	0	22.25	0	6781	SLD 9	6781	13648	76908	0	13648	1	Si
285	0	13.16	0	-7034	SLD 7	-7034	-11455	-76908	0	-11455	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	341297	3	341297	9.7	124.5	311.3	1837	307589	2	307589	8.8	93.4	0	+∞	Si
19	381114	3	381114	10.8	124.5	347.6	1837	346401	2	346401	9.9	93.4	0	+∞	Si
23	388056	3	442670	12.6	124.5	403.8	1837	353158	2	406233	11.6	93.4	0	+∞	Si
38	418089	3	469138	13.3	124.5	427.9	1837	382370	2	431881	12.3	93.4	0	+∞	Si
57	452221	3	498920	14.2	124.5	455.1	1837	415497	2	460658	13.1	93.4	0	+∞	Si
76	483510	3	525860	15	124.5	479.7	1837	445780	2	486592	13.8	93.4	0	+∞	Si
85	498088	3	538263	15.3	124.5	491	1837	459856	2	498493	14.2	93.4	0	+∞	Si
104	525113	3	560938	16	124.5	511.7	1837	485875	2	520162	14.8	93.4	0	+∞	Si
123	549295	3	580771	16.6	124.5	529.7	1837	509052	2	538989	15.4	93.4	0	+∞	Si
142	570634	3	597760	17.4	124.5	545.2	1837	529385	2	554973	16.1	93.4	0	+∞	Si
161	589130	3	611906	18.1	124.5	558.1	1837	546876	2	568114	16.8	93.4	0	+∞	Si
180	604783	3	623210	19	124.5	568.4	1837	561523	2	578412	17.6	93.4	0	+∞	Si
199	617593	3	631670	18.3	124.5	573.3	1837	573328	2	585867	16.9	93.4	0	+∞	Si
218	627560	3	637288	17.1	124.5	496.3	1837	582290	2	590480	15.9	93.4	0	+∞	Si
228	631478	3	639031	16.7	124.5	471.3	1837	585705	2	591720	15.5	93.4	0	+∞	Si
247	637181	3	639645	16	124.5	426.8	1837	590403	2	592047	14.8	93.4	0	+∞	Si
262	639645	3	639645	15.9	124.5	418.8	1837	592047	2	592047	14.7	93.4	0	+∞	Si
266	640041	3	639979	15.9	124.5	419	1837	592258	2	592210	14.7	93.4	0	+∞	Si
285	640059	3	640059	15.9	124.5	419.1	1837	591270	2	591270	14.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
23	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.007	2	9999	Si
38	0.006	0.005	0.006	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.012	2	0.011	2	9999	Si
57	0.009	0.007	0.008	0.006	0.009	0.007	0.007	0.006	0.008	0.007	0.017	2	0.015	2	9999	Si
76	0.011	0.009	0.01	0.008	0.011	0.009	0.009	0.008	0.011	0.009	0.022	2	0.019	2	9999	Si
85	0.012	0.01	0.011	0.009	0.012	0.01	0.01	0.009	0.011	0.01	0.023	2	0.021	2	9999	Si
104	0.014	0.011	0.012	0.01	0.013	0.011	0.011	0.01	0.013	0.011	0.026	2	0.023	2	9999	Si
123	0.015	0.012	0.013	0.01	0.014	0.012	0.012	0.01	0.014	0.012	0.028	2	0.025	2	9999	Si
142	0.015	0.013	0.013	0.011	0.014	0.013	0.012	0.011	0.014	0.013	0.029	2	0.026	2	9799	Si
152	0.015	0.013	0.013	0.011	0.015	0.013	0.012	0.011	0.014	0.013	0.029	2	0.026	2	9781	Si
161	0.015	0.013	0.013	0.011	0.014	0.013	0.012	0.011	0.014	0.013	0.029	2	0.026	2	9856	Si
180	0.015	0.012	0.013	0.01	0.014	0.012	0.012	0.01	0.014	0.012	0.028	2	0.024	2	9999	Si
199	0.013	0.011	0.011	0.009	0.013	0.011	0.011	0.009	0.012	0.011	0.025	2	0.022	2	9999	Si
218	0.011	0.009	0.01	0.008	0.011	0.009	0.009	0.008	0.011	0.009	0.021	2	0.019	2	9999	Si
228	0.01	0.008	0.009	0.007	0.01	0.008	0.008	0.007	0.009	0.008	0.019	2	0.017	2	9999	Si
247	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.014	2	0.012	2	9999	Si
262	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
266	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.007	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1940	19668	22619	SLV 9	0.38	804	1.051	353158	1922584	2364068	SLV 7	0.38	794	1.046	Si
38	1818	19668	22619	SLV 9	0.38	816	1.057	353158	1922584	2364068	SLV 7	0.38	794	1.046	Si
57	1669	19668	22619	SLV 9	0.39	830	1.065	363641	1838421	2364068	SLV 7	0.39	874	1.088	Si
76	1519	19668	22619	SLV 9	0.39	844	1.072	398274	1544309	2364068	SLV 7	0.46	1312	1.285	Si
85	1444	19668	22619	SLV 9	0.39	852	1.076	414524	1397491	2364068	SLV 7	0.5	1674	1.42	Si
104	1295	19668	21488	SLV 9	0.37	759	1.027	444893	1104445	2364068	SLV 7	0.57	2474	1.666	Si
123	1145	19668	22175	SLV 9	0.39	838	1.069	472419	812356	2362698	SLV 7	0.57	2474	1.666	Si
142	995	19668	22175	SLV 9	0.39	852	1.076	497102	521424	2358920	SLV 7	0.57	2474	1.666	Si
161	846	19668	22175	SLV 9	0.39	867	1.084	568114	736684	2348692	SLV 5	0.57	2474	1.666	Si
180	696	19668	22175	SLV 9	0.4	882	1.092	578412	-1030462	-971525	SLV 11	0.54	2048	1.542	Si
199	546	19668	21675	SLV 9	0.39	847	1.074	585867	1324828	2323525	SLV 5	0.47	1420	1.327	Si
218	397	19668	21675	SLV 9	0.39	862	1.082	590480	1619639	2707401	SLV 5	0.47	1407	1.322	Si
228	322	19668	21675	SLV 9	0.39	869	1.085	591720	1767176	2858737	SLV 5	0.46	1339	1.296	Si
247	172	19668	21675	SLV 9	0.4	884	1.093	592047	-1851544	-1872313	SLV 11	0.48	1477	1.349	Si
262	50	19668	21675	SLV 9	0.4	897	1.099	592047	-1851544	-1872306	SLV 11	0.48	1477	1.349	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	1940	6908	22619	SLD 9	0.4	915	2.789	353158	850789	2364068	SLD 7	0.32	516	2.205	Si
38	1818	6908	22619	SLD 9	0.4	929	2.806	353158	850789	2364068	SLD 7	0.32	516	2.205	Si
57	1669	6908	22619	SLD 9	0.41	945	2.826	363641	813545	2364068	SLD 7	0.33	567	2.292	Si
76	1519	6908	22619	SLD 9	0.41	962	2.847	398274	683394	2364068	SLD 7	0.39	830	2.679	Si
85	1444	6908	23342	SLD 9	0.42	1062	2.964	414524	618423	2364068	SLD 7	0.42	1045	2.945	Si
104	1295	6908	22175	SLD 9	0.41	937	2.816	444893	488743	2364068	SLD 7	0.52	1877	3.744	Si
123	1145	6908	22175	SLD 9	0.41	954	2.837	472419	359488	2362698	SLD 7	0.6	2474	4.193	Si
142	995	6908	22175	SLD 9	0.41	970	2.856	497102	230743	2358920	SLD 7	0.6	2474	4.193	Si
161	846	6908	22175	SLD 9	0.41	988	2.878	568114	326000	2348692	SLD 5	0.6	2474	4.193	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
180	696	6908	22175	SLD 9	0.42	1007	2.9	578412	-456004	-971525	SLD 11	0.45	1278	3.198	Si
199	546	6908	21675	SLD 9	0.41	964	2.849	585867	586268	2323525	SLD 5	0.4	893	2.761	Si
218	397	6908	21675	SLD 9	0.41	982	2.871	590480	716729	2707401	SLD 5	0.4	885	2.751	Si
228	322	6908	21675	SLD 9	0.41	991	2.881	591720	782017	2858737	SLD 5	0.39	845	2.699	Si
247	172	6908	21675	SLD 9	0.42	1010	2.904	592047	-819352	-1872313	SLD 11	0.4	925	2.801	Si
262	50	6908	21675	SLD 9	0.42	1026	2.923	592047	-819352	-1872306	SLD 11	0.4	925	2.801	Si

Campata 7 tra i fili 55 - 50, sezione R 45x70, asta 702

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	26.61	5.4	1451688	SLU 30	1361860	3222619	0.107						Si
20	15.21	5.4	26.61	5.4	1288747	SLU 30	1287689	3222619	0.107						Si
23	15.21	5.4	26.61	5.4	1269533	SLU 30	1269533	3222619	0.107						Si
40	15.21	5.4	26.61	5.4	1121643	SLU 30	1269533	3222619	0.107						Si
61	13.72	5.4	24.69	5.4	950375	SLU 30	1195877	2995147	0.105						Si
81	11.82	5.4	19.01	5.4	774943	SLU 30	1026447	2323469	0.097						Si
91	10.87	5.4	19.01	5.4	685666	SLU 30	940171	2323602	0.098						Si
111	7.6	5.4	19.01	5.4	503990	SLU 30	764496	2323876	0.102						Si
131	7.6	5.4	19.01	5.4	318149	SLU 30	584657	2323876	0.102						Si
151	7.6	5.4	19.01	5.4	128146	SLU 30	400655	2323876	0.102	68700	SLU 1	-153123	-971525	0.08	Si
171	14.22	5.4	19.01	5.4	-42629	SLU 8	212489	2323269	0.095	-66091	SLU 29	-353292	-1756193	0.087	Si
192	18.03	5.4	19.01	5.4	-158938	SLU 1	20160	2322909	0.093	-264352	SLU 30	-557624	-2206612	0.091	Si
212	21.83	5.4	19.01	5.4						-466847	SLU 30	-766120	-2656806	0.096	Si
232	25.88	5.4	19.01	5.4						-673505	SLU 30	-978780	-3136133	0.101	Si
242	26.83	5.4	19.01	5.4						-778395	SLU 30	-1086671	-3248495	0.103	Si
262	28.73	5.4	19.01	5.4						-991298	SLU 30	-1183129	-3473289	0.106	Si
280	30.41	5.4	19.01	5.4						-1183129	SLU 30	-1183129	-3671897	0.108	Si
282	30.41	5.4	19.01	5.4						-1208365	SLU 30	-1207118	-3671897	0.108	Si
303	30.41	5.4	19.01	5.4						-1429595	SLU 30	-1305113	-3671897	0.108	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	26.61	5.4	3351255	SLV 7	3110768	3222619	0.107	-1411231	SLV 9	-1289243	-1872306	0.087	Si
20	15.21	5.4	26.61	5.4	2918338	SLV 7	2915728	3222619	0.107	-1193681	SLV 9	-1192487	-1872306	0.087	Si
23	15.21	5.4	26.61	5.4	2867984	SLV 7	2867984	3222619	0.107	-1168802	SLV 9	-1168802	-1872306	0.087	Si
40	15.21	5.4	26.61	5.4	2482396	SLV 7	2867984	3222619	0.107	-979512	SLV 9	-1168802	-1872306	0.087	Si
61	13.72	5.4	24.69	5.4	2043623	SLV 7	2675186	2995147	0.105	-768917	SLV 9	-1073685	-1696920	0.086	Si
81	11.82	5.4	19.01	5.4	1602627	SLV 7	2237630	2323469	0.097	-562504	SLV 9	-861479	-1471767	0.084	Si
91	10.87	5.4	19.01	5.4	1381905	SLV 7	2017843	2323602	0.098	-461477	SLV 9	-756769	-1359110	0.083	Si
111	7.6	5.4	19.01	5.4	944561	SLV 11	1576797	2323876	0.102	-268324	SLV 5	-550682	-971525	0.08	Si
131	7.6	5.4	19.01	5.4	518553	SLV 11	1132730	2323876	0.102	-92913	SLV 5	-347979	-971525	0.08	Si
151	7.6	5.4	19.01	5.4	221359	SLV 13	705651	2323876	0.102	-52722	SLV 3	-640283	-971525	0.08	Si
171	14.22	5.4	19.01	5.4	342973	SLV 9	615753	2323269	0.095	-437743	SLV 7	-1101577	-1756193	0.087	Si
192	18.03	5.4	19.01	5.4	532857	SLV 9	801431	2322909	0.093	-897441	SLV 7	-1566302	-2206612	0.091	Si
212	21.83	5.4	19.01	5.4	719872	SLV 9	984020	2322662	0.091	-1360675	SLV 7	-2034343	-2656806	0.096	Si
232	25.88	5.4	19.01	5.4	903834	SLV 9	1163472	2322453	0.09	-1827261	SLV 7	-2505653	-3136133	0.101	Si
242	26.83	5.4	19.01	5.4	994647	SLV 9	1252014	2322397	0.09	-2061789	SLV 7	-2742526	-3248495	0.103	Si
262	28.73	5.4	19.01	5.4	1173916	SLV 9	1329738	2322298	0.089	-2533289	SLV 7	-2953011	-3473289	0.106	Si
280	30.41	5.4	19.01	5.4	1329738	SLV 9	1329738	2322222	0.089	-2953011	SLV 7	-2953011	-3671897	0.108	Si
282	30.41	5.4	19.01	5.4	1350022	SLV 9	1348936	2322222	0.089	-3008034	SLV 7	-3005241	-3671897	0.108	Si
303	30.41	5.4	19.01	5.4	1522954	SLV 9	1427366	2322222	0.089	-3486009	SLV 7	-3218608	-3671897	0.108	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	26.61	5.4	2023769	SLD 7	1884317	3222619	0.107	-83745	SLD 9	-62791	-1872306	0.087	Si
20	15.21	5.4	26.61	5.4	1772161	SLD 7	1770611	3222619	0.107	-47504	SLD 9	-47370	-1872306	0.087	Si
23	15.21	5.4	26.61	5.4	1742777	SLD 7	1742777	3222619	0.107	-43594	SLD 9	-43594	-1872306	0.087	Si
40	15.21	5.4	26.61	5.4	1517428	SLD 7	1742777	3222619	0.107	-14544	SLD 9	-43594	-1872306	0.087	Si
61	13.72	5.4	24.69	5.4	1259658	SLD 7	1630231	2995147	0.105	15048	SLD 9	-28730	-1696920	0.086	Si
81	11.82	5.4	19.01	5.4	999118	SLD 7	1373787	2323469	0.097						Si
91	10.87	5.4	19.01	5.4	868079	SLD 7	1244450	2323602	0.098						Si
111	7.6	5.4	19.01	5.4	606477	SLD 11	983783	2323876	0.102						Si
131	7.6	5.4	19.01	5.4	348105	SLD 11	719994	2323876	0.102	77535	SLD 5	-66280	-971525	0.08	Si
151	7.6	5.4	19.01	5.4	144957	SLD 13	461937	2323876	0.102	23681	SLD 3	-342770	-971525	0.08	Si
171	14.22	5.4	19.01	5.4	125363	SLD 9	203776	2323269	0.095	-220134	SLD 7	-622901	-1756193	0.087	Si
192	18.03	5.4	19.01	5.4	134186	SLD 9	141464	2322909	0.093	-498770	SLD 7	-906335	-2206612	0.091	Si
212	21.83	5.4	19.01	5.4	139954	SLD 9	142699	2322662	0.091	-780757	SLD 7	-1193022	-2656806	0.096	Si
232	25.88	5.4	19.01	5.4	142585	SLD 9	142714	2322453	0.09	-1066012	SLD 7	-1482941	-3136133	0.101	Si
242	26.83	5.4	19.01	5.4	142714	SLD 9	142714	2322397	0.09	-1209855	SLD 7	-1629109	-3248495	0.103	Si
262	28.73	5.4	19.01	5.4	140589	SLD 9	142714	2322298	0.089	-1499963	SLD 7	-1759260	-3473289	0.106	Si
280	30.41	5.4	19.01	5.4	135986	SLD 9	142125	2322222	0.089	-1759260	SLD 7	-1759260	-3671897	0.108	Si
282	30.41	5.4	19.01	5.4	135280	SLD 9	135275	2322222	0.089	-1793291	SLD 7	-1791580	-3671897	0.108	Si
303	30.41	5.4	19.01	5.4	126780	SLD 9	126780	2322222	0.089	-2089835	SLD 7	-1923612	-3671897	0.108	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	24.69	0	-7976	SLU 30	-7976	-14128	-76908	0	-14128	1	Si
20	0	19.01	0	-8183	SLU 30	-8183	-12949	-76908	0	-12949	1	Si
23	0.23	19.01	0	-8207	SLU 30	-8207	-12949	-76908	-26676	-26676	1	Si
40	0.23	19.01	0	-8389	SLU 30	-8389	-12949	-76908	-26676	-26676	1	Si
61	0.23	19.01	0	-8596	SLU 30	-8596	-12949	-76908	-26676	-26676	1	Si
81	0.23	19.01	0	-8802	SLU 30	-8802	-12949	-76908	-26676	-26676	1	Si
91	0.23	19.01	0	-8906	SLU 30	-8906	-12949	-76908	-26676	-26676	1	Si
111	0.24	19.01	0	-9112	SLU 30	-9112	-12949	-76908	-27812	-27812	1	Si
131	0.24	19.01	0	-9318	SLU 30	-9318	-12949	-76908	-27812	-27812	1	Si
151	0.24	19.01	0	-9525	SLU 30	-9525	-12949	-76908	-27812	-27812	1	Si
171	0.24	7.6	0	-9731	SLU 30	-9731	-9541	-76908	-27812	-27812	1	Si
192	0.24	7.6	0	-9938	SLU 30	-9938	-9541	-76908	-27812	-27812	1	Si
212	0.244	7.6	0	-10144	SLU 30	-10144	-9541	-76908	-28344	-28344	1	Si
232	0.244	14.22	0	-10351	SLU 30	-10351	-11756	-76908	-28344	-28344	1	Si
242	0.244	16.12	0	-10454	SLU 30	-10454	-12258	-76908	-28344	-28344	1	Si
262	0.244	19.93	0	-10660	SLU 30	-10660	-13155	-76908	-28344	-28344	1	Si
280	0.244	21.83	0	-10843	SLU 30	-10843	-13561	-76908	-28344	-28344	1	Si
282	0	22.81	0	-10867	SLU 30	-10867	-13761	-76908	0	-13761	1	Si
303	0	26.83	0	-11073	SLU 30	-11073	-14526	-76908	0	-14526	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.72	0	10883	SLV 9	15080	11617	76908	0	11617	1	Si
0	0	24.69	0	-21404	SLV 7	-25601	-14128	-76908	0	-14128	1	Si
20	0	11.82	0	10724	SLV 9	14922	11054	76908	0	11054	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
20	0	19.01	0	-21562	SLV 7	-25760	-12949	-76908	0	-12949	1	Si
23	0.23	10.87	0	10706	SLV 9	14903	10749	76908	26676	26676	1	Si
23	0.23	19.01	0	-21581	SLV 7	-25778	-12949	-76908	-26676	-26676	1	Si
40	0.23	7.6	0	10565	SLV 9	14763	9541	76908	26676	26676	1	Si
40	0.23	19.01	0	-21721	SLV 7	-25918	-12949	-76908	-26676	-26676	1	Si
61	0.23	7.6	0	10407	SLV 9	14604	9541	76908	26676	26676	1	Si
61	0.23	19.01	0	-21880	SLV 7	-26077	-12949	-76908	-26676	-26676	1	Si
81	0.23	7.6	0	10248	SLV 9	14445	9541	76908	26676	26676	1	Si
81	0.23	19.01	0	-22039	SLV 7	-26236	-12949	-76908	-26676	-26676	1	Si
91	0.23	7.6	0	10168	SLV 9	14366	9541	76908	26676	26676	1	Si
91	0.23	19.01	0	-22118	SLV 7	-26316	-12949	-76908	-26676	-26676	1	Si
111	0.24	14.22	0	10010	SLV 9	14207	11756	76908	27812	27812	1	Si
111	0.24	19.01	0	-22277	SLV 7	-26474	-12949	-76908	-27812	-27812	1	Si
131	0.24	12.77	0	9851	SLV 9	14048	11343	76908	27812	27812	1	Si
131	0.24	19.01	0	-22436	SLV 7	-26633	-12949	-76908	-27812	-27812	1	Si
151	0.24	19.01	0	9692	SLV 9	13889	12949	76908	27812	27812	1	Si
151	0.24	19.01	0	-22595	SLV 7	-26792	-12949	-76908	-27812	-27812	1	Si
171	0.24	19.01	0	9533	SLV 9	13730	12949	76908	27812	27812	1	Si
171	0.24	7.6	0	-22754	SLV 7	-26951	-9541	-76908	-27812	-27812	1	Si
192	0.24	19.01	0	9374	SLV 9	13572	12949	76908	27812	27812	1	Si
192	0.24	7.6	0	-22912	SLV 7	-27110	-9541	-76908	-27812	-27812	1	Si
212	0.244	19.01	0	9216	SLV 9	13413	12949	76908	28344	28344	1	Si
212	0.244	7.6	0	-23071	SLV 7	-27268	-9541	-76908	-28344	-28344	1	Si
232	0.244	19.01	0	9057	SLV 9	13254	12949	76908	28344	28344	1	Si
232	0.244	14.22	0	-23230	SLV 7	-27427	-11756	-76908	-28344	-28344	1	Si
242	0.244	19.01	0	8977	SLV 9	13175	12949	76908	28344	28344	1	Si
242	0.244	16.12	0	-23309	SLV 7	-27507	-12258	-76908	-28344	-28344	1	Si
262	0.244	19.01	0	8818	SLV 9	13016	12949	76908	28344	28344	1	Si
262	0.244	19.93	0	-23468	SLV 7	-27665	-13155	-76908	-28344	-28344	1	Si
280	0.244	19.01	0	8678	SLV 9	12875	12949	76908	28344	28344	1	Si
280	0.244	21.83	0	-23609	SLV 7	-27806	-13561	-76908	-28344	-28344	1	Si
282	0	19.01	0	8660	SLV 9	12857	12949	76908	0	12949	1	Si
282	0	22.81	0	-23627	SLV 7	-27824	-13761	-76908	0	-13761	1	Si
303	0	19.01	0	8501	SLV 9	12698	12949	76908	0	12949	1	Si
303	0	26.83	0	-23786	SLV 7	-27983	-14526	-76908	0	-14526	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.72	0	1884	SLD 9	1884	11617	76908	0	11617	1	Si
0	0	24.69	0	-12404	SLD 7	-12404	-14128	-76908	0	-14128	1	Si
20	0	11.82	0	1725	SLD 9	1725	11054	76908	0	11054	1	Si
20	0	19.01	0	-12563	SLD 7	-12563	-12949	-76908	0	-12949	1	Si
23	0.23	10.87	0	1706	SLD 9	1706	10749	76908	26676	26676	1	Si
23	0.23	19.01	0	-12581	SLD 7	-12581	-12949	-76908	-26676	-26676	1	Si
40	0.23	7.6	0	1566	SLD 9	1566	9541	76908	26676	26676	1	Si
40	0.23	19.01	0	-12722	SLD 7	-12722	-12949	-76908	-26676	-26676	1	Si
61	0.23	19.01	0	1407	SLD 9	1407	12949	76908	26676	26676	1	Si
61	0.23	19.01	0	-12881	SLD 7	-12881	-12949	-76908	-26676	-26676	1	Si
81	0.23	19.01	0	1248	SLD 9	1248	12949	76908	26676	26676	1	Si
81	0.23	19.01	0	-13039	SLD 7	-13039	-12949	-76908	-26676	-26676	1	Si
91	0.23	19.01	0	1169	SLD 9	1169	12949	76908	26676	26676	1	Si
91	0.23	19.01	0	-13119	SLD 7	-13119	-12949	-76908	-26676	-26676	1	Si
111	0.24	19.01	0	1010	SLD 9	1010	12949	76908	27812	27812	1	Si
111	0.24	19.01	0	-13278	SLD 7	-13278	-12949	-76908	-27812	-27812	1	Si
131	0.24	19.01	0	851	SLD 9	851	12949	76908	27812	27812	1	Si
131	0.24	19.01	0	-13436	SLD 7	-13436	-12949	-76908	-27812	-27812	1	Si
151	0.24	19.01	0	692	SLD 9	692	12949	76908	27812	27812	1	Si
151	0.24	19.01	0	-13595	SLD 7	-13595	-12949	-76908	-27812	-27812	1	Si
171	0.24	19.01	0	534	SLD 9	534	12949	76908	27812	27812	1	Si
171	0.24	7.6	0	-13754	SLD 7	-13754	-9541	-76908	-27812	-27812	1	Si
192	0.24	19.01	0	375	SLD 9	375	12949	76908	27812	27812	1	Si
192	0.24	7.6	0	-13913	SLD 7	-13913	-9541	-76908	-27812	-27812	1	Si
212	0.244	19.01	0	216	SLD 9	216	12949	76908	28344	28344	1	Si
212	0.244	7.6	0	-14072	SLD 7	-14072	-9541	-76908	-28344	-28344	1	Si
232	0.244	19.01	0	57	SLD 9	57	12949	76908	28344	28344	1	Si
232	0.244	14.22	0	-14230	SLD 7	-14230	-11756	-76908	-28344	-28344	1	Si
242	0.244	16.12	0	-14310	SLD 7	-14310	-12258	-76908	-28344	-28344	1	Si
262	0.244	19.93	0	-14469	SLD 7	-14469	-13155	-76908	-28344	-28344	1	Si
280	0.244	21.83	0	-14609	SLD 7	-14609	-13561	-76908	-28344	-28344	1	Si
282	0	22.81	0	-14628	SLD 7	-14628	-13761	-76908	0	-13761	1	Si
303	0	26.83	0	-14786	SLD 7	-14786	-14526	-76908	0	-14526	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	1055773	3	990762	24.6	124.5	648.7	1837	970012	2	910763	22.6	93.4	0	+∞	Si
20	937761	3	936992	23.2	124.5	613.5	1837	862328	2	861621	21.4	93.4	0	+∞	Si
23	923829	3	923829	22.9	124.5	604.9	1837	849591	2	849591	21.1	93.4	0	+∞	Si
40	816547	3	923829	22.9	124.5	604.9	1837	751442	2	849591	21.1	93.4	0	+∞	Si
61	692129	3	870415	22.5	124.5	613.4	1837	637353	2	800751	20.7	93.4	0	+∞	Si
81	564509	3	747412	21.5	124.5	678	1837	520061	2	688076	19.8	93.4	0	+∞	Si
91	499498	3	684709	19.9	124.5	621.8	1837	460214	2	630537	18.4	93.4	0	+∞	Si
111	367074	3	556901	16.9	124.5	507.9	1837	338119	2	513058	15.6	93.4	0	+∞	Si
131	231447	3	425891	13	124.5	388.4	1837	212820	2	392376	11.9	93.4	0	+∞	Si
151	92618	3	291678	8.9	124.5	266	1837	84319	2	268491	8.2	93.4	0	+∞	Si
171	-49461	2	-259829	7.5	124.5	309.8	1837	-47385	2	-242912	7	93.4	0	+∞	Si
192	-194649	3	-409681	11	124.5	388.4	1837	-182292	2	-382435	10.2	93.4	0	+∞	Si
212	-343087	3	-562735	14.2	124.5	443.7	1837	-320401	2	-525162	13.2	93.4	0	+∞	Si
232	-494727	3	-718992	17.2	124.5	481.4	1837	-461714	2	-671090	16.1	93.4	0	+∞	Si
242	-571749	3	-798322	18.9	124.5	516.3	1837	-533571	2	-745256	17.6	93.4	0	+∞	Si
262	-728193	3	-869276	20.2	124.5	526.6	1837	-679687	2	-811637	18.8	93.4	0	+∞	Si
280	-869276	3	-869276	19.8	124.5	498.7	1837	-811637	2	-811637	18.5	93.4	0	+∞	Si
282	-887840	3	-886925	20.2	124.5	508.8	1837	-829006	2	-828152	18.9	93.4	0	+∞	Si
303	-1050690	3	-959022	21.9	124.5	550.2	1837	-981528	2	-895621	20.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara	Frequente	Quasi permanente	Verifica

	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.005	2	9999	Si
23	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
40	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.007	2	9999	Si
61	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.01	2	0.009	2	9999	Si
81	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.011	2	0.009	2	9999	Si
91	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.011	2	0.009	2	9999	Si
111	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.01	2	0.008	2	9999	Si
131	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.007	2	9999	Si
151	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
171	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
192	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
212	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
232	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
242	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
262	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
280	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
282	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-5437	-20341	-26676	SLV 7	0.38	790	1.044	849591	2018393	3222619	SLV 7	0.42	1063	1.179	Si
40	-5578	-20341	-26676	SLV 7	0.38	778	1.037	849591	2018393	3222619	SLV 7	0.42	1063	1.179	Si
61	-5737	-20341	-26676	SLV 7	0.37	764	1.029	800751	1874435	2995147	SLV 7	0.42	1051	1.173	Si
81	-5896	-20341	-26676	SLV 7	0.37	750	1.022	688076	1549554	2323469	SLV 7	0.38	811	1.055	Si
91	-5975	-20341	-26676	SLV 7	0.37	743	1.018	630537	1387306	2323602	SLV 7	0.44	1174	1.228	Si
111	-6134	-20341	-27812	SLV 7	0.39	831	1.065	513058	-1063739	-971525	SLV 9	0.5	1676	1.42	Si
131	-6293	-20341	-27812	SLV 7	0.38	816	1.057	392376	-740354	-971525	SLV 9	0.57	2474	1.666	Si
151	-6451	-20341	-27812	SLV 7	0.38	802	1.05	-106591	-533692	-971525	SLV 7	0.57	2474	1.666	Si
171	-6610	-20341	-27812	SLV 7	0.38	787	1.042	-242912	-858665	-1756193	SLV 7	0.57	2474	1.666	Si
192	-6769	-20341	-27812	SLV 7	0.38	773	1.034	-382435	-1183867	-2206612	SLV 7	0.55	2185	1.584	Si
212	-6928	-20341	-28344	SLV 7	0.38	807	1.053	-525162	-1509182	-2656806	SLV 7	0.51	1731	1.439	Si
232	-7087	-20341	-28344	SLV 7	0.38	792	1.045	-671090	-1834563	-3136133	SLV 7	0.48	1515	1.363	Si
242	-7166	-20341	-28344	SLV 7	0.38	785	1.041	-745256	-1997270	-3248495	SLV 7	0.45	1259	1.263	Si
262	-7325	-20341	-28344	SLV 7	0.38	771	1.033	-811637	-2141374	-3473289	SLV 7	0.45	1232	1.252	Si
280	-7465	-20341	-28344	SLV 7	0.37	758	1.026	-811637	-2141374	-3671897	SLV 7	0.48	1491	1.354	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-5437	-7144	-26676	SLD 7	0.4	900	2.77	849591	893186	3222619	SLD 7	0.36	684	2.475	Si
40	-5578	-7144	-26676	SLD 7	0.4	885	2.751	849591	893186	3222619	SLD 7	0.36	684	2.475	Si
61	-5737	-7144	-26676	SLD 7	0.39	869	2.73	800751	829481	2995147	SLD 7	0.36	677	2.465	Si
81	-5896	-7144	-26676	SLD 7	0.39	853	2.71	688076	685712	2323469	SLD 7	0.32	527	2.224	Si
91	-5975	-7144	-26676	SLD 7	0.39	845	2.699	630537	613913	2323602	SLD 7	0.37	749	2.569	Si
111	-6134	-7144	-27812	SLD 7	0.41	946	2.827	513058	-470725	-971525	SLD 9	0.42	1046	2.946	Si
131	-6293	-7144	-27812	SLD 7	0.4	929	2.806	392376	-327619	-971525	SLD 9	0.55	2195	3.992	Si
151	-6451	-7144	-27812	SLD 7	0.4	913	2.786	-106591	-236178	-971525	SLD 7	0.49	1558	3.469	Si
171	-6610	-7144	-27812	SLD 7	0.4	896	2.765	-242912	-379989	-1756193	SLD 7	0.53	1949	3.802	Si
192	-6769	-7144	-27812	SLD 7	0.4	880	2.744	-382435	-523899	-2206612	SLD 7	0.46	1362	3.283	Si
212	-6928	-7144	-28344	SLD 7	0.4	918	2.792	-525162	-667860	-2656806	SLD 7	0.43	1081	2.986	Si
232	-7087	-7144	-28344	SLD 7	0.4	901	2.771	-671090	-811850	-3136133	SLD 7	0.41	947	2.828	Si
242	-7166	-7144	-28344	SLD 7	0.4	893	2.761	-745256	-883853	-3248495	SLD 7	0.38	799	2.638	Si
262	-7325	-7144	-28344	SLD 7	0.4	877	2.741	-811637	-947623	-3473289	SLD 7	0.38	783	2.616	Si
280	-7465	-7144	-28344	SLD 7	0.39	863	2.723	-811637	-947623	-3671897	SLD 7	0.41	933	2.811	Si

Campata 8 tra i fili 50 - 36C, sezione R 45x70, asta 703

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	19.01	5.4						-641170	SLU 30	-595970	-3671897	0.108	Si
23	30.41	5.4	19.01	5.4						-553361	SLU 30	-553361	-3671897	0.108	Si
45	28.29	5.4	19.01	5.4						-470736	SLU 30	-553361	-3421204	0.105	Si
68	26.17	5.4	19.01	5.4						-393293	SLU 30	-494484	-3170412	0.102	Si
79	22.81	5.4	19.01	5.4						-356515	SLU 30	-454358	-2772814	0.097	Si
90	22.81	5.4	19.01	5.4						-321033	SLU 30	-415528	-2772814	0.097	Si
101	22.81	5.4	19.01	5.4						-286847	SLU 30	-377994	-2772814	0.097	Si
124	22.81	5.4	19.01	5.4						-222361	SLU 30	-306812	-2772814	0.097	Si
146	22.81	5.4	19.01	5.4						-163058	SLU 30	-240813	-2772814	0.097	Si
169	22.81	5.4	19.01	5.4	-38709	SLU 1	18837	2322640	0.091	-108938	SLU 30	-179996	-2772814	0.097	Si
191	22.81	5.4	19.01	5.4	5603	SLU 19	61350	2322640	0.091	-66624	SLU 12	-124362	-2772814	0.097	Si
214	22.81	5.4	19.01	5.4	49629	SLU 19	98680	2322640	0.091	-33194	SLU 12	-77258	-2772814	0.097	Si
236	29.1	6.3	30.99	6.2	88473	SLU 19	130827	3742596	0.115	-3750	SLU 12	-42664	-3514701	0.109	Si
248	30.69	6.4	34.02	6.3	105951	SLU 19	144958	4080590	0.124	9477	SLU 12	-26862	-3701842	0.112	Si
270	33.87	6.7	34.21	6.3	137020	SLU 19	169331	4104584	0.128						Si
293	34.21	6.7	34.21	6.3	162907	SLU 19	181454	4104861	0.129						Si
313	34.21	6.7	34.21	6.3	181454	SLU 19	181454	4104861	0.129						Si
315	34.21	6.7	34.21	6.3	183611	SLU 19	183427	4104861	0.129						Si
338	34.21	6.7	34.21	6.3	199132	SLU 19	191837	4104861	0.129						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	19.01	5.4	1752775	SLV 11	1586445	2322222	0.089	-2696816	SLV 5	-2460913	-3671897	0.108	Si
23	30.41	5.4	19.01	5.4	1418053	SLV 11	1418053	2322222	0.089	-2226936	SLV 5	-2226936	-3671897	0.108	Si
45	28.29	5.4	19.01	5.4	1079376	SLV 11	1418053	2322321	0.09	-1761075	SLV 5	-2226936	-3421204	0.105	Si
68	26.17	5.4	19.01	5.4	736772	SLV 11	1178558	2322414	0.09	-1299260	SLV 5	-1896812	-3170412	0.102	Si
90	22.81	5.4	19.01	5.4	390329	SLV 11	837097	2322640	0.091	-841580	SLV 5	-1433813	-2772814	0.097	Si
101	22.81	5.4	19.01	5.4	215767	SLV 11	664907	2322640	0.091	-614390	SLV 5	-1203843	-2772814	0.097	Si
124	22.81	5.4	19.01	5.4	-1933	SLV 13	417219	2322640	0.091	-297412	SLV 3	-747069	-2772814	0.097	Si
146	22.81	5.4	19.01	5.4	306415	SLV 9	861733	2322640	0.091	-514457	SLV 7	-963858	-2772814	0.097	Si
169	22.81	5.4	19.01	5.4	733459	SLV 5	1299690	2322640	0.091	-858171	SLV 11	-1328786	-2772814	0.097	Si
191	22.81	5.4	19.01	5.4	1172213	SLV 5	1734255	2322640	0.091	-1221567	SLV 11	-1698297	-2772814	0.097	Si
214	22.81	5.4	19.01	5.4	1607866	SLV 5	2164993	2322640	0.091	-1589837	SLV 11	-2071953	-2772814	0.097	Si
236	29.1	6.3	30.99	6.2	2039739	SLV 5	2591810	3742596	0.115	-1962300	SLV 11	-2449661	-3514701	0.109	Si
248	30.69	6.4	34.02	6.3	2254215	SLV 5	2803737	4080590	0.124	-2150061	SLV 11	-2640025	-3701842	0.112	Si
270	33.87	6.7	34.21	6.3	2680212	SLV 5	3224619	4104584	0.128	-2528609	SLV 11	-3023758	-4052288	0.117	Si
293	34.21	6.7	34.21	6.3	3102252	SLV 5	3473982	4104861	0.129	-2911173	SLV 11	-3254678	-4088789	0.117	Si
313	34.21	6.7	34.21	6.3	3473982	SLV 5	3473982	4104861	0.129	-3254678	SLV 11	-3254678	-4088789	0.117	Si
315	34.21	6.7	34.21	6.3	3520324	SLV 5	3517953	4104861	0.129	-3297741	SLV 11	-3295651	-4088789	0.117	Si
338	34.21	6.7	34.21	6.3	3934420	SLV 5	3705409	4104861	0.129	-3688307	SLV 11	-3470326	-4088789	0.117	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	19.01	5.4	512462	SLD 11	458251	2322222	0.089	-1456502	SLD 5	-1332720	-3671897	0.108	Si
23	30.41	5.4	19.01	5.4	402018	SLD 11	402018	2322222	0.089	-1210901	SLD 5	-1210901	-3671897	0.108	Si
45	28.29	5.4	19.01	5.4	287601	SLD 11	402018	2322321	0.09	-969300	SLD 5	-1210901	-3421204	0.105	Si
68	26.17	5.4	19.01	5.4	169224	SLD 11	321301	2322414	0.09	-731713	SLD 5	-1039555	-3170412	0.102	Si
90	22.81	5.4	19.01	5.4	46925	SLD 11	204079	2322640	0.091	-498176	SLD 5	-800794	-2772814	0.097	Si
101	22.81	5.4	19.01	5.4	-15652	SLD 11	143988	2322640	0.091	-382971	SLD 5	-682924	-2772814	0.097	Si
124	22.81	5.4	19.01	5.4	-84302	SLD 13	133588	2322640	0.091	-215043	SLD 3	-450251	-2772814	0.097	Si
146	22.81	5.4	19.01	5.4	77611	SLD 9	352870	2322640	0.091	-285652	SLD 7	-454995	-2772814	0.097	Si
169	22.81	5.4	19.01	5.4	289812	SLD 5	567028	2322640	0.091	-414523	SLD 11	-596124	-2772814	0.097	Si
191	22.81	5.4	19.01	5.4	504971	SLD 5	777461	2322640	0.091	-554325	SLD 11	-741503	-2772814	0.097	Si
214	22.81	5.4	19.01	5.4	716535	SLD 5	983979	2322640	0.091	-698506	SLD 11	-890938	-2772814	0.097	Si
236	29.1	6.3	30.99	6.2	924204	SLD 5	1186539	3742596	0.115	-846765	SLD 11	-1044390	-3514701	0.109	Si
248	30.69	6.4	34.02	6.3	1026558	SLD 5	1286330	4080590	0.124	-922404	SLD 11	-1122617	-3701842	0.112	Si
270	33.87	6.7	34.21	6.3	1228293	SLD 5	1482929	4104584	0.128	-1076690	SLD 11	-1282068	-4052288	0.117	Si
293	34.21	6.7	34.21	6.3	1426054	SLD 5	1598416	4104861	0.129	-1234974	SLD 11	-1379112	-4088789	0.117	Si
313	34.21	6.7	34.21	6.3	1598416	SLD 5	1598416	4104861	0.129	-1379112	SLD 11	-1379112	-4088789	0.117	Si
315	34.21	6.7	34.21	6.3	1619837	SLD 5	1618709	4104861	0.129	-1397254	SLD 11	-1396407	-4088789	0.117	Si
338	34.21	6.7	34.21	6.3	1809637	SLD 5	1705223	4104861	0.129	-1563525	SLD 11	-1470140	-4088789	0.117	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.17	0	4049	SLU 20	4049	14406	76908	0	14406	1	Si
11	0	22.81	0	3933	SLU 20	3933	13761	76908	0	13761	1	Si
23	0.23	22.81	0	3818	SLU 20	3818	13761	76908	26676	26676	1	Si
45	0.23	22.81	0	3588	SLU 20	3588	13761	76908	26676	26676	1	Si
68	0.23	22.81	0	3358	SLU 20	3358	13761	76908	26676	26676	1	Si
90	0.23	22.81	0	3127	SLU 20	3127	13761	76908	26676	26676	1	Si
101	0.214	22.81	0	3012	SLU 20	3012	13761	76908	24898	24898	1	Si
124	0.214	22.81	0	2782	SLU 20	2782	13761	76908	24898	24898	1	Si
146	0.214	22.81	0	2551	SLU 20	2551	13761	76908	24898	24898	1	Si
169	0.214	22.81	0	2321	SLU 20	2321	13761	76908	24898	24898	1	Si
191	0.214	22.81	0	2091	SLU 20	2091	13761	76908	24898	24898	1	Si
214	0.214	19.01	0	1860	SLU 20	1860	12949	76908	24898	24898	1	Si
236	0.214	19.01	0	1630	SLU 20	1630	12873	75988	24600	24600	1	Si
248	0.215	19.01	0	1515	SLU 20	1515	12863	75857	24667	24667	1	Si
270	0.215	19.01	0	1284	SLU 20	1284	12862	75850	24665	24665	1	Si
293	0.215	27.96	0	1054	SLU 20	1054	14628	75850	24665	24665	1	Si
313	0.215	34.02	0	849	SLU 20	849	15617	75850	24665	24665	1	Si
315	0	34.02	0	824	SLU 20	824	15617	75850	0	15617	1	Si
338	0	34.21	0	593	SLU 20	593	15646	75850	0	15646	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.17	0	20975	SLV 5	25625	14406	76908	0	14406	1	Si
0	0	19.01	0	-14791	SLV 11	-19441	-12949	-76908	0	-12949	1	Si
11	0	22.81	0	20887	SLV 5	25536	13761	76908	0	13761	1	Si
11	0	19.01	0	-14880	SLV 11	-19529	-12949	-76908	0	-12949	1	Si
23	0.23	22.81	0	20798	SLV 5	25448	13761	76908	26676	26676	1	Si
23	0.23	19.01	0	-14968	SLV 11	-19618	-12949	-76908	-26676	-26676	1	Si
45	0.23	22.81	0	20621	SLV 5	25270	13761	76908	26676	26676	1	Si
45	0.23	19.01	0	-15145	SLV 11	-19795	-12949	-76908	-26676	-26676	1	Si
68	0.23	22.81	0	20444	SLV 5	25093	13761	76908	26676	26676	1	Si
68	0.23	19.01	0	-15322	SLV 11	-19972	-12949	-76908	-26676	-26676	1	Si
90	0.23	22.81	0	20266	SLV 5	24916	13761	76908	26676	26676	1	Si
90	0.23	19.01	0	-15500	SLV 11	-20149	-12949	-76908	-26676	-26676	1	Si
101	0.214	22.81	0	20178	SLV 5	24827	13761	76908	24898	24898	1	Si
101	0.214	19.01	0	-15588	SLV 11	-20238	-12949	-76908	-24898	-24898	1	Si
124	0.214	22.81	0	20001	SLV 5	24650	13761	76908	24898	24898	1	Si
124	0.214	22.81	0	-15765	SLV 11	-20415	-13761	-76908	-24898	-24898	1	Si
146	0.214	19.01	0	19823	SLV 5	24473	12949	76908	24898	24898	1	Si
146	0.214	22.81	0	-15943	SLV 11	-20592	-13761	-76908	-24898	-24898	1	Si
169	0.214	19.01	0	19646	SLV 5	24296	12949	76908	24898	24898	1	Si
169	0.214	22.81	0	-16120	SLV 11	-20769	-13761	-76908	-24898	-24898	1	Si
191	0.214	19.01	0	19469	SLV 5	24119	12949	76908	24898	24898	1	Si
191	0.214	22.81	0	-16297	SLV 11	-20947	-13761	-76908	-24898	-24898	1	Si
214	0.214	19.01	0	19292	SLV 5	23941	12949	76908	24898	24898	1	Si
214	0.214	22.81	0	-16474	SLV 11	-21124	-13761	-76908	-24898	-24898	1	Si
236	0.214	19.01	0	19115	SLV 5	23764	12873	75988	24600	24600	1	Si
236	0.214	22.81	0	-16651	SLV 11	-21301	-13670	-75879	-24565	-24565	1	Si
248	0.215	19.01	0	19026	SLV 5	23676	12863	75857	24667	24667	1	Si
248	0.215	22.81	0	-16740	SLV 11	-21390	-13654	-75685	-24611	-24611	1	Si
270	0.215	19.01	0	18849	SLV 5	23498	12862	75850	24665	24665	1	Si
270	0.215	22.81	0	-16917	SLV 11	-21567	-13624	-75353	-24503	-24503	1	Si
293	0.215	27.96	0	18672	SLV 5	23321	14628	75850	24665	24665	1	Si
293	0.215	27.51	0	-17094	SLV 11	-21744	-14500	-75321	-24493	-24493	1	Si
313	0.215	34.02	0	18514	SLV 5	23164	15617	75850	24665	24665	1	Si
313	0.215	30.69	0	-17252	SLV 11	-21901	-15038	-75321	-24493	-24493	1	Si
315	0	34.02	0	18494	SLV 5	23144	15617	75850	0	15617	1	Si
315	0	30.69	0	-17272	SLV 11	-21921	-15038	-75321	0	-15038	1	Si
338	0	34.21	0	18317	SLV 5	22967	15646	75850	0	15646	1	Si
338	0	33.87	0	-17449	SLV 11	-22098	-15541	-75321	0	-15541	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.17	0	11006	SLD 5	11006	14406	76908	0	14406	1	Si
0	0	19.01	0	-4821	SLD 11	-4821	-12949	-76908	0	-12949	1	Si
11	0	22.81	0	10917	SLD 5	10917	13761	76908	0	13761	1	Si
11	0	19.01	0	-4910	SLD 11	-4910	-12949	-76908	0	-12949	1	Si
23	0.23	22.81	0	10828	SLD 5	10828	13761	76908	26676	26676	1	Si
23	0.23	19.01	0	-4999	SLD 11	-4999	-12949	-76908	-26676	-26676	1	Si
45	0.23	22.81	0	10651	SLD 5	10651	13761	76908	26676	26676	1	Si
45	0.23	19.01	0	-5176	SLD 11	-5176	-12949	-76908	-26676	-26676	1	Si
68	0.23	22.81	0	10474	SLD 5	10474	13761	76908	26676	26676	1	Si
68	0.23	19.01	0	-5353	SLD 11	-5353	-12949	-76908	-26676	-26676	1	Si
90	0.23	22.81	0	10297	SLD 5	10297	13761	76908	26676	26676	1	Si
90	0.23	19.01	0	-5530	SLD 11	-5530	-12949	-76908	-26676	-26676	1	Si
101	0.214	22.81	0	10208	SLD 5	10208	13761	76908	24898	24898	1	Si
101	0.214	22.81	0	-5619	SLD 11	-5619	-13761	-76908	-24898	-24898	1	Si
124	0.214	22.81	0	10031	SLD 5	10031	13761	76908	24898	24898	1	Si
124	0.214	22.81	0	-5796	SLD 11	-5796	-13761	-76908	-24898	-24898	1	Si
146	0.214	19.01	0	9854	SLD 5	9854	12949	76908	24898	24898	1	Si
146	0.214	22.81	0	-5973	SLD 11	-5973	-13761	-76908	-24898	-24898	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
169	0.214	19.01	0	9677	SLD 5	9677	12949	76908	24898	24898	1	Si
169	0.214	22.81	0	-6150	SLD 11	-6150	-13761	-76908	-24898	-24898	1	Si
191	0.214	19.01	0	9499	SLD 5	9499	12949	76908	24898	24898	1	Si
191	0.214	22.81	0	-6327	SLD 11	-6327	-13761	-76908	-24898	-24898	1	Si
214	0.214	19.01	0	9322	SLD 5	9322	12949	76908	24898	24898	1	Si
214	0.214	22.81	0	-6505	SLD 11	-6505	-13761	-76908	-24898	-24898	1	Si
236	0.214	19.01	0	9145	SLD 5	9145	12873	75988	24600	24600	1	Si
236	0.214	22.81	0	-6682	SLD 11	-6682	-13670	-75879	-24565	-24565	1	Si
248	0.215	19.01	0	9056	SLD 5	9056	12863	75857	24667	24667	1	Si
248	0.215	22.81	0	-6770	SLD 11	-6770	-13654	-75685	-24611	-24611	1	Si
270	0.215	19.01	0	8879	SLD 5	8879	12862	75850	24665	24665	1	Si
270	0.215	22.81	0	-6948	SLD 11	-6948	-13624	-75353	-24503	-24503	1	Si
293	0.215	27.96	0	8702	SLD 5	8702	14628	75850	24665	24665	1	Si
293	0.215	27.51	0	-7125	SLD 11	-7125	-14500	-75321	-24493	-24493	1	Si
313	0.215	34.02	0	8545	SLD 5	8545	15617	75850	24665	24665	1	Si
313	0.215	30.69	0	-7282	SLD 11	-7282	-15038	-75321	-24493	-24493	1	Si
315	0	34.02	0	8525	SLD 5	8525	15617	75850	0	15617	1	Si
315	0	30.69	0	-7302	SLD 11	-7302	-15038	-75321	0	-15038	1	Si
338	0	34.21	0	8348	SLD 5	8348	15646	75850	0	15646	1	Si
338	0	33.87	0	-7479	SLD 11	-7479	-15541	-75321	0	-15541	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-484969	3	-450149	10.3	124.5	258.2	1837	-472020	2	-437234	10	93.4	0	+∞	Si
23	-417323	3	-417323	9.5	124.5	239.4	1837	-404442	2	-404442	9.2	93.4	0	+∞	Si
45	-353664	3	-417323	9.7	124.5	256.5	1837	-340849	2	-404442	9.4	93.4	0	+∞	Si
68	-293992	3	-371961	8.9	124.5	246.4	1837	-281244	2	-359127	8.6	93.4	0	+∞	Si
90	-238306	3	-311125	7.7	124.5	235.1	1837	-225625	2	-298358	7.4	93.4	0	+∞	Si
101	-211958	3	-282202	7	124.5	213.3	1837	-199311	2	-269468	6.7	93.4	0	+∞	Si
124	-162252	3	-227345	5.7	124.5	171.8	1837	-149673	2	-214679	5.3	93.4	0	+∞	Si
146	-116534	3	-176475	4.4	124.5	133.4	1837	-104021	2	-163876	4.1	93.4	0	+∞	Si
169	-74801	3	-129592	3.2	124.5	97.9	1837	-62356	2	-117060	2.9	93.4	0	+∞	Si
191	-37056	3	-86696	2.2	124.5	65.5	1837	-24677	2	-74231	1.8	93.4	0	+∞	Si
214	26727	1	64015	1.6	124.5	57.5	1837	26727	1	64015	1.6	93.4	0	+∞	Si
214	-3297	3	-47787	1.2	124.5	36.1	1837								Si
236	56263	1	88400	1.9	124.5	51.1	1837	56263	1	88400	1.9	93.4	0	+∞	Si
248	69536	1	99098	2	124.5	52.6	1837	69536	1	99098	2	93.4	0	+∞	Si
270	93092	1	117503	2.3	124.5	62.1	1837	93092	1	117503	2.3	93.4	0	+∞	Si
293	112662	1	126624	2.5	124.5	66.9	1837	112662	1	126624	2.5	93.4	0	+∞	Si
313	126624	1	126624	2.5	124.5	66.9	1837	126624	1	126624	2.5	93.4	0	+∞	Si
315	128244	1	128105	2.5	124.5	67.7	1837	128244	1	128105	2.5	93.4	0	+∞	Si
338	139840	1	134419	2.7	124.5	71	1837	139840	1	134419	2.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.003	1	-0.003	1	9999	Si
45	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	1	-0.005	1	9999	Si
68	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
90	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.006	1	-0.007	1	9999	Si
101	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.006	1	-0.007	1	9999	Si
124	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.006	1	-0.007	1	9999	Si
146	-0.003	-0.004	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.007	1	9999	Si
169	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	1	-0.006	1	9999	Si
191	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
214	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	1	-0.004	1	9999	Si
236	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
248	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	1	-0.002	1	9999	Si
270	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
293	0	0	0	0	0	0	0	0	0	0	0	1	-0.001	1	9999	Si
313	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
315	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	2915	22533	26676	SLV 5	0.38	810	1.054	-404442	1822495	2322222	SLV 11	0.53	2019	1.533	Si
45	2738	22533	26676	SLV 5	0.39	825	1.062	-404442	1822495	2322321	SLV 11	0.53	2019	1.533	Si
68	2561	22533	26676	SLV 5	0.39	840	1.07	-359127	1537685	2322414	SLV 11	0.57	2474	1.666	Si
90	2383	22533	26676	SLV 5	0.39	855	1.078	-298358	-1135455	-2772814	SLV 5	0.57	2474	1.666	Si
101	2295	22533	24898	SLV 5	0.36	717	1.003	-269468	-934375	-2772814	SLV 5	0.57	2474	1.666	Si
124	2118	22533	24898	SLV 5	0.37	731	1.011	-91563	508782	2322640	SLV 5	0.57	2474	1.666	Si
146	1940	22533	24898	SLV 5	0.37	745	1.019	-51062	912796	2322640	SLV 5	0.57	2474	1.666	Si
169	1763	22533	24898	SLV 5	0.37	759	1.027	-14548	1314238	2322640	SLV 5	0.57	2474	1.666	Si
191	1586	22533	24898	SLV 5	0.38	773	1.034	17979	1716276	2322640	SLV 5	0.48	1512	1.362	Si
214	1409	22533	24898	SLV 5	0.38	787	1.042	46520	2118473	2322640	SLV 5	0.39	848	1.074	Si
236	1232	22533	24600	SLV 5	0.38	777	1.036	71074	-2520736	-3514701	SLV 11	0.51	1764	1.451	Si
248	1143	22533	24667	SLV 5	0.38	790	1.044	81856	-2721881	-3701842	SLV 11	0.5	1659	1.415	Si
270	966	22533	24665	SLV 5	0.38	805	1.052	100430	3124189	4104584	SLV 5	0.46	1336	1.294	Si
293	789	22533	24665	SLV 5	0.38	819	1.059	109652	3364330	4104861	SLV 5	0.43	1092	1.192	Si
313	631	22533	24665	SLV 5	0.39	833	1.066	109652	3364330	4104861	SLV 5	0.43	1092	1.192	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	2915	7913	26676	SLD 5	0.4	922	2.797	-404442	806460	2322222	SLD 11	0.45	1261	3.181	Si
45	2738	7913	26676	SLD 5	0.41	939	2.818	-404442	806460	2322321	SLD 11	0.45	1261	3.181	Si
68	2561	7913	26676	SLD 5	0.41	956	2.839	-359127	680428	2322414	SLD 11	0.52	1896	3.76	Si
90	2383	7913	26676	SLD 5	0.41	973	2.86	-298358	-502437	-2772814	SLD 5	0.6	2474	4.193	Si
101	2295	7913	24898	SLD 5	0.38	816	2.661	-269468	-413456	-2772814	SLD 5	0.6	2474	4.193	Si
124	2118	7913	24898	SLD 5	0.39	832	2.682	-91563	225151	2322640	SLD 5	0.6	2474	4.193	Si
146	1940	7913	24898	SLD 5	0.39	848	2.703	-51062	403933	2322640	SLD 5	0.6	2474	4.193	Si
169	1763	7913	24898	SLD 5	0.39	864	2.724	-14548	581576	2322640	SLD 5	0.53	1998	3.841	Si
191	1586	7913	24898	SLD 5	0.4	880	2.744	17979	759482	2322640	SLD 5	0.41	946	2.827	Si
214	1409	7913	24898	SLD 5	0.4	896	2.765	46520	937459	2322640	SLD 5	0.33	550	2.263	Si
236	1232	7913	24600	SLD 5	0.4	885	2.751	71074	-1115464	-3514701	SLD 11	0.43	1102	3.01	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
248	1143	7913	24667	SLD 5	0.4	899	2.769	81856	-1204473	-3701842	SLD 11	0.42	1035	2.933	Si
270	966	7913	24665	SLD 5	0.4	916	2.79	100430	1382499	4104584	SLD 5	0.39	844	2.698	Si
293	789	7913	24665	SLD 5	0.41	933	2.811	109652	1488764	4104861	SLD 5	0.36	701	2.5	Si
313	631	7913	24665	SLD 5	0.41	948	2.83	109652	1488764	4104861	SLD 5	0.36	701	2.5	Si

Campata 9 tra i fili 36C - 25D, sezione R 45x70, asta 704

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	34.21	6.7	34.21	6.3	353494	SLU 30	353494	4104861	0.129						Si
9	34.21	6.7	34.21	6.3	381687	SLU 30	381687	4104861	0.129						Si
18	34.21	6.7	34.21	6.3	409082	SLU 30	409082	4104861	0.129						Si
25	34.21	6.7	34.21	6.3	431196	SLU 30	513569	4104861	0.129						Si
35	34.21	6.7	34.21	6.3	461475	SLU 30	540927	4104861	0.129						Si
40	34.21	6.7	33.37	6.3	474074	SLU 30	552290	4014600	0.127						Si
49	33.78	6.7	31	6.2	498673	SLU 30	574416	3756351	0.123						Si
57	30.87	6.7	28.62	6.1	522570	SLU 29	595743	3487502	0.119						Si
66	27.96	6.6	26.24	6	545727	SLU 29	616271	3216077	0.116						Si
75	25.04	6.6	19.01	5.4	568085	SLU 29	636001	2383620	0.104						Si
84	22.13	6.5	19.01	5.4	589645	SLU 29	648636	2373586	0.104						Si
93	19.21	6.4	19.01	5.4	610406	SLU 29	648636	2363595	0.103						Si
102	7.6	5.4	19.01	5.4	630368	SLU 29	648636	2323876	0.102						Si
106	7.6	5.4	19.01	5.4	640049	SLU 29	648636	2323876	0.102						Si
110	7.6	5.4	19.01	5.4	648636	SLU 29	648636	2323876	0.102						Si
115	7.6	5.4	19.01	5.4	658813	SLU 29	657819	2323876	0.102						Si
124	7.6	5.4	19.01	5.4	676778	SLU 29	668891	2323876	0.102						Si
132	7.6	5.4	19.01	5.4	693944	SLU 29	672581	2323876	0.102						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	34.21	6.7	34.21	6.3	2269649	SLV 7	2067360	4104861	0.129	-1781891	SLV 9	-1519790	-4088789	0.117	Si
9	34.21	6.7	34.21	6.3	2126334	SLV 7	2041780	4104861	0.129	-1596898	SLV 9	-1487352	-4088789	0.117	Si
18	34.21	6.7	34.21	6.3	1982415	SLV 7	1965039	4104861	0.129	-1412531	SLV 9	-1390040	-4088789	0.117	Si
25	34.21	6.7	34.21	6.3	1862462	SLV 7	1862462	4104861	0.129	-1259966	SLV 9	-1259966	-4088789	0.117	Si
35	34.21	6.7	34.21	6.3	1692782	SLV 7	1862462	4104861	0.129	-1045688	SLV 9	-1259966	-4088789	0.117	Si
40	34.21	6.7	33.37	6.3	1620005	SLV 7	1862462	4014600	0.127	-954377	SLV 9	-1259966	-4085523	0.117	Si
49	33.78	6.7	31	6.2	1474021	SLV 7	1862462	3756351	0.123	-772246	SLV 9	-1259966	-4028040	0.116	Si
57	30.87	6.7	28.62	6.1	1327486	SLV 7	1807590	3487502	0.119	-590792	SLV 9	-1190480	-3684819	0.112	Si
66	27.96	6.6	26.24	6	1180452	SLV 7	1662353	3216077	0.116	-410069	SLV 9	-1007510	-3340987	0.108	Si
75	25.04	6.6	19.01	5.4	1033062	SLV 7	1516536	2383620	0.104	-230219	SLV 9	-825188	-2977295	0.102	Si
84	22.13	6.5	19.01	5.4	885861	SLV 7	1370158	2373586	0.104	-51786	SLV 9	-643534	-2642425	0.098	Si
93	19.21	6.4	19.01	5.4	743029	SLV 7	1223263	2363595	0.103	121048	SLV 9	-462593	-2307392	0.094	Si
102	7.6	5.4	19.01	5.4	620981	SLV 11	1075960	2323876	0.102	271869	SLV 5	-282472	-971525	0.08	Si
106	7.6	5.4	19.01	5.4	570763	SLV 15	1002246	2323876	0.102	336013	SLV 1	-192810	-971525	0.08	Si
110	7.6	5.4	19.01	5.4	587787	SLV 15	935563	2323876	0.102	331324	SLV 1	-111944	-971525	0.08	Si
115	7.6	5.4	19.01	5.4	639157	SLV 13	626649	2323876	0.102						Si
124	7.6	5.4	19.01	5.4	755821	SLV 9	696971	2323876	0.102						Si
132	7.6	5.4	19.01	5.4	931388	SLV 9	720411	2323876	0.102						Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	34.21	6.7	34.21	6.3	1140285	SLD 7	1067449	4104861	0.129	-652527	SLD 9	-519878	-4088789	0.117	Si
9	34.21	6.7	34.21	6.3	1088489	SLD 7	1058041	4104861	0.129	-559053	SLD 9	-503613	-4088789	0.117	Si
18	34.21	6.7	34.21	6.3	1036083	SLD 7	1029820	4104861	0.129	-466199	SLD 9	-454820	-4088789	0.117	Si
25	34.21	6.7	34.21	6.3	992097	SLD 7	992097	4104861	0.129	-389601	SLD 9	-389601	-4088789	0.117	Si
35	34.21	6.7	34.21	6.3	929449	SLD 7	992097	4104861	0.129	-282354	SLD 9	-389601	-4088789	0.117	Si
40	34.21	6.7	33.37	6.3	902413	SLD 7	992097	4014600	0.127	-236784	SLD 9	-389601	-4085523	0.117	Si
49	33.78	6.7	31	6.2	847893	SLD 7	992097	3756351	0.123	-146117	SLD 9	-389601	-4028040	0.116	Si
57	30.87	6.7	28.62	6.1	792785	SLD 7	971891	3487502	0.119	-56091	SLD 9	-354781	-3684819	0.112	Si
66	27.96	6.6	26.24	6	737113	SLD 7	918144	3216077	0.116	33270	SLD 9	-263301	-3340987	0.108	Si
75	25.04	6.6	19.01	5.4	680938	SLD 7	863798	2383620	0.104	121906	SLD 9	-172450	-2977295	0.102	Si
84	22.13	6.5	19.01	5.4	624493	SLD 7	808860	2373586	0.104	209581	SLD 9	-82236	-2642425	0.098	Si
93	19.21	6.4	19.01	5.4	569606	SLD 7	753350	2363595	0.103						Si
102	7.6	5.4	19.01	5.4	523607	SLD 11	697314	2323876	0.102						Si
106	7.6	5.4	19.01	5.4	505169	SLD 15	669137	2323876	0.102						Si
110	7.6	5.4	19.01	5.4	516099	SLD 15	643578	2323876	0.102						Si
115	7.6	5.4	19.01	5.4	542938	SLD 13	537105	2323876	0.102						Si
124	7.6	5.4	19.01	5.4	601776	SLD 9	572649	2323876	0.102						Si
132	7.6	5.4	19.01	5.4	686298	SLD 9	584497	2323876	0.102						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	27.43	0	3255	SLU 29	3255	14534	75850	0	14534	1	Si
9	0	25.05	0	3164	SLU 29	3164	14101	75850	0	14101	1	Si
13	0	19.01	0	3119	SLU 29	3119	12862	75850	0	12862	1	Si
18	0	19.01	0	3074	SLU 29	3074	12862	75850	0	12862	1	Si
25	0.225	19.01	0	2999	SLU 29	2999	12862	75850	25729	25729	1	Si
35	0.225	19.01	0	2893	SLU 29	2893	12862	75850	25729	25729	1	Si
40	0.225	19.01	0	2848	SLU 29	2848	12865	75883	25740	25740	1	Si
49	0.225	19.01	0	2757	SLU 29	2757	12873	75987	25776	25776	1	Si
57	0.225	19.01	0	2667	SLU 29	2667	12883	76109	25817	25817	1	Si
66	0.225	19.01	0	2576	SLU 29	2576	12895	76252	25865	25865	1	Si
75	0.225	19.01	0	2486	SLU 29	2486	12949	76908	26088	26088	1	Si
84	0.225	19.01	0	2395	SLU 29	2395	12949	76908	26088	26088	1	Si
93	0.225	19.01	0	2305	SLU 29	2305	12949	76908	26088	26088	1	Si
102	0.225	19.01	0	2215	SLU 29	2215	12949	76908	26088	26088	1	Si
106	0.225	19.01	0	2169	SLU 29	2169	12949	76908	26088	26088	1	Si
110	0.225	19.01	0	2128	SLU 29	2128	12949	76908	26088	26088	1	Si
115	0	19.01	0	2079	SLU 29	2079	12949	76908	0	12949	1	Si
124	0	19.01	0	1989	SLU 29	1989	12949	76908	0	12949	1	Si
132	0	19.01	0	1898	SLU 29	1898	12949	76908	0	12949	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	29.41	0	20983	SLV 9	25816	14826	75321	0	14826	1	Si
0	0	27.43	0	-16195	SLV 7	-21028	-14534	-75850	0	-14534	1	Si
9	0	26.5	0	20913	SLV 9	25746	14320	75321	0	14320	1	Si
9	0	25.05	0	-16265	SLV 7	-21098	-14101	-75850	0	-14101	1	Si
18	0	23.58	0	20844	SLV 9	25677	13774	75321	0	13774	1	Si
18	0	19.01	0	-16334	SLV 7	-21167	-12862	-75850	0	-12862	1	Si
25	0.225	20.67	0	20786	SLV 9	25619	13182	75321	25549	25549	1	No
25	0.225	19.01	0	-16392	SLV 7	-21225	-12862	-75850	-25729	-25729	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
35	0.225	7.6	0	20704	SLV 9	25538	9445	75321	25549	25549	1	Si
35	0.225	19.01	0	-16473	SLV 7	-21306	-12862	-75850	-25729	-25729	1	Si
40	0.225	7.6	0	20670	SLV 9	25503	9445	75321	25549	25549	1	Si
40	0.225	19.01	0	-16508	SLV 7	-21341	-12865	-75883	-25740	-25740	1	Si
49	0.225	7.6	0	20600	SLV 9	25433	9445	75327	25551	25551	1	Si
49	0.225	19.01	0	-16578	SLV 7	-21411	-12873	-75987	-25776	-25776	1	Si
57	0.225	7.6	0	20531	SLV 9	25364	9448	75370	25566	25566	1	Si
57	0.225	19.01	0	-16647	SLV 7	-21480	-12883	-76109	-25817	-25817	1	Si
66	0.225	7.6	0	20461	SLV 9	25294	9451	75422	25584	25584	1	Si
66	0.225	19.01	0	-16717	SLV 7	-21550	-12895	-76252	-25865	-25865	1	Si
75	0.225	7.6	0	20391	SLV 9	25225	9455	75487	25606	25606	1	Si
75	0.225	19.01	0	-16786	SLV 7	-21619	-12949	-76908	-26088	-26088	1	Si
84	0.225	7.6	0	20322	SLV 9	25155	9460	75569	25634	25634	1	Si
84	0.225	19.01	0	-16856	SLV 7	-21689	-12949	-76908	-26088	-26088	1	Si
93	0.225	19.01	0	20252	SLV 9	25085	12949	76908	26088	26088	1	Si
93	0.225	19.01	0	-16925	SLV 7	-21759	-12949	-76908	-26088	-26088	1	Si
102	0.225	19.01	0	20183	SLV 9	25016	12949	76908	26088	26088	1	Si
102	0.225	19.01	0	-16995	SLV 7	-21828	-12949	-76908	-26088	-26088	1	Si
106	0.225	19.01	0	20148	SLV 9	24981	12949	76908	26088	26088	1	Si
106	0.225	19.01	0	-17030	SLV 7	-21863	-12949	-76908	-26088	-26088	1	Si
110	0.225	19.01	0	20116	SLV 9	24950	12949	76908	26088	26088	1	Si
110	0.225	19.01	0	-17061	SLV 7	-21894	-12949	-76908	-26088	-26088	1	Si
110	0	19.01	0	20113	SLV 9	24946	12949	76908	0	12949	1	Si
110	0	19.01	0	-17065	SLV 7	-21898	-12949	-76908	0	-12949	1	Si
115	0	19.01	0	20078	SLV 9	24912	12949	76908	0	12949	1	Si
115	0	19.01	0	-17099	SLV 7	-21932	-12949	-76908	0	-12949	1	Si
124	0	19.01	0	20009	SLV 9	24842	12949	76908	0	12949	1	Si
124	0	19.01	0	-17169	SLV 7	-22002	-12949	-76908	0	-12949	1	Si
132	0	19.01	0	19939	SLV 9	24772	12949	76908	0	12949	1	Si
132	0	19.01	0	-17238	SLV 7	-22072	-12949	-76908	0	-12949	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	29.41	0	10619	SLD 9	10619	14826	75321	0	14826	1	Si
0	0	27.43	0	-5831	SLD 7	-5831	-14534	-75850	0	-14534	1	Si
9	0	26.5	0	10549	SLD 9	10549	14320	75321	0	14320	1	Si
9	0	25.05	0	-5901	SLD 7	-5901	-14101	-75850	0	-14101	1	Si
18	0	23.58	0	10480	SLD 9	10480	13774	75321	0	13774	1	Si
18	0	19.01	0	-5970	SLD 7	-5970	-12862	-75850	0	-12862	1	Si
22	0	22.13	0	10445	SLD 9	10445	13484	75321	0	13484	1	Si
22	0	19.01	0	-6005	SLD 7	-6005	-12862	-75850	0	-12862	1	Si
25	0.225	20.67	0	10422	SLD 9	10422	13182	75321	25549	25549	1	Si
25	0.225	19.01	0	-6028	SLD 7	-6028	-12862	-75850	-25729	-25729	1	Si
35	0.225	7.6	0	10341	SLD 9	10341	9445	75321	25549	25549	1	Si
35	0.225	19.01	0	-6109	SLD 7	-6109	-12862	-75850	-25729	-25729	1	Si
40	0.225	7.6	0	10306	SLD 9	10306	9445	75321	25549	25549	1	Si
40	0.225	19.01	0	-6144	SLD 7	-6144	-12865	-75883	-25740	-25740	1	Si
49	0.225	7.6	0	10236	SLD 9	10236	9445	75327	25551	25551	1	Si
49	0.225	19.01	0	-6214	SLD 7	-6214	-12873	-75987	-25776	-25776	1	Si
57	0.225	7.6	0	10167	SLD 9	10167	9448	75370	25566	25566	1	Si
57	0.225	19.01	0	-6283	SLD 7	-6283	-12883	-76109	-25817	-25817	1	Si
66	0.225	19.01	0	10097	SLD 9	10097	12895	76252	25865	25865	1	Si
66	0.225	19.01	0	-6353	SLD 7	-6353	-12895	-76252	-25865	-25865	1	Si
75	0.225	19.01	0	10028	SLD 9	10028	12949	76908	26088	26088	1	Si
75	0.225	19.01	0	-6423	SLD 7	-6423	-12949	-76908	-26088	-26088	1	Si
84	0.225	19.01	0	9958	SLD 9	9958	12949	76908	26088	26088	1	Si
84	0.225	19.01	0	-6492	SLD 7	-6492	-12949	-76908	-26088	-26088	1	Si
93	0.225	19.01	0	9889	SLD 9	9889	12949	76908	26088	26088	1	Si
93	0.225	19.01	0	-6562	SLD 7	-6562	-12949	-76908	-26088	-26088	1	Si
102	0.225	19.01	0	9819	SLD 9	9819	12949	76908	26088	26088	1	Si
102	0.225	19.01	0	-6631	SLD 7	-6631	-12949	-76908	-26088	-26088	1	Si
106	0.225	19.01	0	9784	SLD 9	9784	12949	76908	26088	26088	1	Si
106	0.225	19.01	0	-6666	SLD 7	-6666	-12949	-76908	-26088	-26088	1	Si
110	0.225	19.01	0	9753	SLD 9	9753	12949	76908	26088	26088	1	Si
110	0.225	19.01	0	-6697	SLD 7	-6697	-12949	-76908	-26088	-26088	1	Si
115	0	19.01	0	9715	SLD 9	9715	12949	76908	0	12949	1	Si
115	0	19.01	0	-6736	SLD 7	-6736	-12949	-76908	0	-12949	1	Si
124	0	19.01	0	9645	SLD 9	9645	12949	76908	0	12949	1	Si
124	0	19.01	0	-6805	SLD 7	-6805	-12949	-76908	0	-12949	1	Si
132	0	19.01	0	9576	SLD 9	9576	12949	76908	0	12949	1	Si
132	0	19.01	0	-6875	SLD 7	-6875	-12949	-76908	0	-12949	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	260190	3	260190	5.2	124.5	137.5	1837	243879	2	243879	4.9	93.4	0	+∞	Si
9	281561	3	281561	5.6	124.5	148.8	1837	264718	2	264718	5.3	93.4	0	+∞	Si
18	302317	3	302317	6	124.5	159.8	1837	284942	2	284942	5.7	93.4	0	+∞	Si
25	319065	3	381383	7.6	124.5	201.6	1837	301248	2	361790	7.2	93.4	0	+∞	Si
35	341986	3	402039	8	124.5	212.5	1837	323547	2	381702	7.6	93.4	0	+∞	Si
40	351519	3	410613	8.2	124.5	222	1837	332814	2	389958	7.8	93.4	0	+∞	Si
49	370125	3	427300	8.8	124.5	247.2	1837	350888	2	406010	8.3	93.4	0	+∞	Si
57	388181	2	443373	9.5	124.5	276.2	1837	368347	2	421447	9	93.4	0	+∞	Si
66	405661	2	458832	10.3	124.5	309.7	1837	385192	2	436269	9.8	93.4	0	+∞	Si
75	422527	2	473676	12	124.5	427.9	1837	401422	2	450477	11.4	93.4	0	+∞	Si
84	438779	2	483175	12.6	124.5	437	1837	417037	2	459555	12	93.4	0	+∞	Si
93	454416	2	483175	13	124.5	437.5	1837	432039	2	459555	12.3	93.4	0	+∞	Si
102	469439	2	483175	14.7	124.5	440.7	1837	446425	2	459555	14	93.4	0	+∞	Si
106	476720	2	483175	14.7	124.5	440.7	1837	453388	2	459555	14	93.4	0	+∞	Si
110	483175	2	483175	14.7	124.5	440.7	1837	459555	2	459555	14	93.4	0	+∞	Si
115	490821	2	490076	14.9	124.5	447	1837	466853	2	466146	14.2	93.4	0	+∞	Si
124	504308	2	498397	15.2	124.5	454.6	1837	479704	2	474092	14.4	93.4	0	+∞	Si
132	517180	2	501171	15.2	124.5	457.1	1837	491940	2	476741	14.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara	Frequente	Quasi permanente	Verifica

	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
9	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
18	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
25	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
35	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
40	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
49	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.003	2	9999	Si
57	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
66	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
75	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
84	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
93	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.003	2	9999	Si
102	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
106	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
110	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
115	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
124	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
25	2197	23422	25549	SLV 9	0.36	706	0.997	301248	1561214	4104861	SLV 7	0.57	2474	1.666	No
35	2116	23422	25549	SLV 9	0.36	712	1	301248	1561214	4104861	SLV 7	0.57	2474	1.666	Si
40	2081	23422	25549	SLV 9	0.36	715	1.002	301248	1561214	4014600	SLV 7	0.57	2474	1.666	Si
49	2011	23422	25551	SLV 9	0.37	720	1.005	301248	1561214	3756351	SLV 7	0.57	2474	1.666	Si
57	1942	23422	25566	SLV 9	0.37	726	1.008	308555	1499035	3487502	SLV 7	0.57	2474	1.666	Si
66	1872	23422	25584	SLV 9	0.37	733	1.012	327422	1334931	3216077	SLV 7	0.57	2474	1.666	Si
75	1803	23422	25606	SLV 9	0.37	740	1.016	345674	1170862	2383620	SLV 7	0.57	2474	1.666	Si
84	1733	23422	25634	SLV 9	0.37	747	1.02	363312	1006846	2373586	SLV 7	0.57	2474	1.666	Si
93	1663	23422	26088	SLV 9	0.38	788	1.042	380335	842928	2363595	SLV 7	0.57	2474	1.666	Si
102	1594	23422	26088	SLV 9	0.38	793	1.045	396744	-679216	-971525	SLV 9	0.57	2474	1.666	Si
106	1559	23422	26088	SLV 9	0.38	796	1.047	404718	-597528	-971525	SLV 9	0.57	2474	1.666	Si
110	1528	23422	26088	SLV 9	0.38	799	1.048	459555	-128231	-971525	SLV 1	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
25	2197	8225	25549	SLD 9	0.38	804	2.645	301248	690849	4104861	SLD 7	0.6	2474	4.193	Si
35	2116	8225	25549	SLD 9	0.38	810	2.653	301248	690849	4104861	SLD 7	0.6	2474	4.193	Si
40	2081	8225	25549	SLD 9	0.38	814	2.658	301248	690849	4014600	SLD 7	0.6	2474	4.193	Si
49	2011	8225	25551	SLD 9	0.38	819	2.665	301248	690849	3756351	SLD 7	0.6	2474	4.193	Si
57	1942	8225	25566	SLD 9	0.39	827	2.675	308555	663336	3487502	SLD 7	0.6	2474	4.193	Si
66	1872	8225	25865	SLD 9	0.39	859	2.717	327422	590723	3216077	SLD 7	0.6	2474	4.193	Si
75	1803	8225	26088	SLD 9	0.4	884	2.75	345674	518124	2383620	SLD 7	0.52	1885	3.751	Si
84	1733	8225	26088	SLD 9	0.4	891	2.759	363312	445548	2373586	SLD 7	0.59	2474	4.193	Si
93	1663	8225	26088	SLD 9	0.4	897	2.766	380335	373015	2363595	SLD 7	0.6	2474	4.193	Si
102	1594	8225	26088	SLD 9	0.4	904	2.775	396744	-300570	-971525	SLD 9	0.6	2474	4.193	Si
106	1559	8225	26088	SLD 9	0.4	906	2.777	404718	-264419	-971525	SLD 9	0.6	2474	4.193	Si
110	1528	8225	26088	SLD 9	0.4	909	2.781	459555	-56544	-971525	SLD 1	0.6	2474	4.193	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" 70-73

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 70 - ?, sezione R 45x70, aste 705, 706

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-972736	SLU 20	-898054	-970824	0.078	Si
23	7.6	5.4	11.4	5.4						-818879	SLU 20	-818879	-970824	0.078	Si
30	7.6	5.4	11.4	5.4						-769679	SLU 20	-818879	-970824	0.078	Si
60	7.6	5.4	11.4	5.4						-578725	SLU 20	-764232	-970824	0.078	Si
90	7.6	5.4	11.4	5.4						-408729	SLU 19	-573600	-970824	0.078	Si
120	7.6	5.4	11.4	5.4						-257964	SLU 19	-404415	-970824	0.078	Si
135	7.6	5.4	11.4	5.4	-77227	SLU 12	36658	1422093	0.084	-186785	SLU 19	-327811	-970824	0.078	Si
165	7.6	5.4	11.4	5.4	39862	SLU 12	149062	1422093	0.084	-53213	SLU 19	-182947	-970824	0.078	Si
194	7.6	5.4	11.4	5.4	152665	SLU 30	265372	1422093	0.084	59628	SLU 1	-49714	-970824	0.078	Si
224	7.6	5.4	11.4	5.4	268514	SLU 29	364384	1422093	0.084						Si
254	7.6	5.4	11.4	5.4	367028	SLU 29	445175	1422093	0.084						Si
284	7.6	5.4	18.87	5.4	447300	SLU 29	506817	2307609	0.102						Si
314	7.6	5.4	22.81	5.4	508396	SLU 29	548377	2772675	0.114						Si
344	7.6	5.4	22.81	5.4	549385	SLU 29	568924	2772675	0.114						Si
359	7.6	5.4	22.81	5.4	562047	SLU 29	571025	2772675	0.114						Si
389	7.6	5.4	22.81	5.4	571126	SLU 29	571126	2772675	0.114						Si
419	7.6	5.4	22.81	5.4	563777	SLU 20	570934	2772675	0.114						Si
419	7.6	5.4	22.81	5.4	563744	SLU 20	563728	2772675	0.114						Si
449	7.6	5.4	22.81	5.4	537596	SLU 20	537596	2772675	0.114						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	1073519	SLV 9	1029106	1422093	0.084	-2521816	SLV 7	-2366450	-970824	0.078	No
23	7.6	5.4	11.4	5.4	976139	SLV 9	976139	1422093	0.084	-2195872	SLV 7	-2195872	-970824	0.078	No
30	7.6	5.4	11.4	5.4	942969	SLV 9	976139	1422093	0.084	-2089620	SLV 7	-2195872	-970824	0.078	No
60	7.6	5.4	11.4	5.4	803391	SLV 9	939105	1422093	0.084	-1666531	SLV 7	-2077669	-970824	0.078	No
90	7.6	5.4	11.4	5.4	655199	SLV 9	799288	1422093	0.084	-1252222	SLV 7	-1654822	-970824	0.078	No
120	7.6	5.4	11.4	5.4	497986	SLV 9	650844	1422093	0.084	-847427	SLV 7	-1240774	-970824	0.078	No
135	7.6	5.4	11.4	5.4	416053	SLV 9	573253	1422093	0.084	-649039	SLV 7	-1037266	-970824	0.078	No
165	7.6	5.4	11.4	5.4	256942	SLV 5	411384	1422093	0.084	-272451	SLV 11	-638109	-970824	0.078	Si
194	7.6	5.4	11.4	5.4	311573	SLV 1	621060	1422093	0.084	-131199	SLV 15	-272544	-970824	0.078	Si
224	7.6	5.4	11.4	5.4	630499	SLV 3	948948	1422093	0.084	-277296	SLV 13	-451483	-970824	0.078	Si
254	7.6	5.4	11.4	5.4	958072	SLV 3	1264602	1422093	0.084	-456614	SLV 13	-643483	-970824	0.078	Si
284	7.6	5.4	18.87	5.4	1273374	SLV 3	1567147	2307609	0.102	-648982	SLV 13	-848879	-971513	0.08	Si
314	7.6	5.4	22.81	5.4	1575545	SLV 3	1855898	2772675	0.114	-854759	SLV 13	-1068208	-971715	0.08	No
344	7.6	5.4	22.81	5.4	1863903	SLV 3	2130215	2772675	0.114	-1074483	SLV 13	-1302047	-971715	0.08	No
359	7.6	5.4	22.81	5.4	2002702	SLV 3	2272424	2772675	0.114	-1189756	SLV 13	-1435253	-971715	0.08	No
389	7.6	5.4	22.81	5.4	2280574	SLV 7	2551221	2772675	0.114	-1442921	SLV 9	-1719270	-971715	0.08	No
419	7.6	5.4	22.81	5.4	2558115	SLV 7	2558115	2772675	0.114	-1726514	SLV 9	-1726514	-971715	0.08	No
419	7.6	5.4	22.81	5.4	2558932	SLV 7	2558932	2772675	0.114	-1727378	SLV 9	-1727378	-971715	0.08	No
449	7.6	5.4	22.81	5.4	2821314	SLV 7	2701260	2772675	0.114	-2027827	SLV 9	-1881429	-971715	0.08	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	71344	SLD 9	71344	1422093	0.084	-1519640	SLD 7	-1419962	-970824	0.078	No
23	7.6	5.4	11.4	5.4	91962	SLD 9	110734	1422093	0.084	-1311694	SLD 7	-1311694	-970824	0.078	No
30	7.6	5.4	11.4	5.4	97654	SLD 9	114488	1422093	0.084	-1244305	SLD 7	-1311694	-970824	0.078	No
60	7.6	5.4	11.4	5.4	114914	SLD 9	123335	1422093	0.084	-978054	SLD 7	-1236762	-970824	0.078	No
90	7.6	5.4	11.4	5.4	123514	SLD 9	124408	1422093	0.084	-720537	SLD 7	-970753	-970824	0.078	Si
120	7.6	5.4	11.4	5.4	122955	SLD 9	124408	1422093	0.084	-472396	SLD 7	-713493	-970824	0.078	Si
135	7.6	5.4	11.4	5.4	119158	SLD 9	124326	1422093	0.084	-352143	SLD 7	-588339	-970824	0.078	Si
165	7.6	5.4	11.4	5.4	109374	SLD 5	184035	1422093	0.084	-124883	SLD 11	-345562	-970824	0.078	Si
194	7.6	5.4	11.4	5.4	188154	SLD 1	371979	1422093	0.084	-7780	SLD 15	-119952	-970824	0.078	Si
224	7.6	5.4	11.4	5.4	377462	SLD 3	558590	1422093	0.084	-24259	SLD 13	-61125	-970824	0.078	Si
254	7.6	5.4	11.4	5.4	563740	SLD 3	732735	1422093	0.084	-62282	SLD 13	-111616	-970824	0.078	Si
284	7.6	5.4	18.87	5.4	737530	SLD 3	893691	2307609	0.102	-113137	SLD 13	-175424	-971513	0.08	Si
314	7.6	5.4	22.81	5.4	898110	SLD 3	1040815	2772675	0.114	-177324	SLD 13	-253125	-971715	0.08	Si
344	7.6	5.4	22.81	5.4	1044839	SLD 3	1173483	2772675	0.114	-255420	SLD 13	-345316	-971715	0.08	Si
359	7.6	5.4	22.81	5.4	1112816	SLD 3	1238950	2772675	0.114	-299870	SLD 13	-401778	-971715	0.08	Si
389	7.6	5.4	22.81	5.4	1242691	SLD 7	1360867	2772675	0.114	-405037	SLD 9	-528917	-971715	0.08	Si
419	7.6	5.4	22.81	5.4	1363820	SLD 7	1363820	2772675	0.114	-532220	SLD 9	-532220	-971715	0.08	Si
419	7.6	5.4	22.81	5.4	1364169	SLD 7	1364169	2772675	0.114	-532615	SLD 9	-532615	-971715	0.08	Si
449	7.6	5.4	22.81	5.4	1469667	SLD 7	1423884	2772675	0.114	-676180	SLD 9	-604053	-971715	0.08	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	7861	SLU 29	7861	9541	76908	0	9541	1	Si
23	0.158	7.6	0	7178	SLU 29	7178	9541	76908	18340	18340	1	Si
30	0.158	7.6	0	7079	SLU 29	7079	9541	76908	18340	18340	1	Si
60	0.158	7.6	0	6662	SLU 29	6662	9541	76908	18340	18340	1	Si
90	0.158	7.6	0	6217	SLU 29	6217	9541	76908	18340	18340	1	Si
120	0.149	7.6	0	5737	SLU 29	5737	9541	76908	17313	17313	1	Si
135	0.149	7.6	0	5485	SLU 29	5485	9541	76908	17313	17313	1	Si
165	0.149	11.4	0	4956	SLU 29	4956	10922	76908	17313	17313	1	Si
194	0.149	11.4	0	4393	SLU 20	4393	10922	76908	17313	17313	1	Si
224	0.149	11.4	0	3833	SLU 20	3833	10922	76908	17313	17313	1	Si
254	0.149	11.4	0	3242	SLU 20	3242	10922	76908	17313	17313	1	Si
284	0.149	11.4	0	2620	SLU 20	2620	10922	76908	17313	17313	1	Si
314	0.149	11.4	0	2062	SLU 19	2062	10922	76908	17313	17313	1	Si
344	0.149	18.87	0	1510	SLU 19	1510	12918	76908	17313	17313	1	Si
359	0.115	21.89	0	1225	SLU 19	1225	13573	76908	13338	13573	1	Si
389	0.115	22.81	0	641	SLU 19	641	13761	76908	13338	13761	1	Si
389	0.115	22.81	0	-319	SLU 12	-319	-13761	-76908	-13338	-13761	1	Si
419	0.115	22.81	0	37	SLU 19	37	13761	76908	13338	13761	1	Si
419	0.115	22.81	0	-1003	SLU 12	-1003	-13761	-76908	-13338	-13761	1	Si
419	0.115	22.81	0	35	SLU 19	35	13761	76908	13338	13761	1	Si
419	0.115	22.81	0	-1005	SLU 12	-1005	-13761	-76908	-13338	-13761	1	Si
449	0	22.81	0	-1721	SLU 30	-1721	-13761	-76908	0	-13761	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	15631	SLV 7	18214	9541	76908	0	9541	1	Si
0	0	11.4	0	-4240	SLV 9	-6823	-10922	-76908	0	-10922	1	Si
23	0.158	7.6	0	15163	SLV 7	17746	9541	76908	18340	18340	1	Si
23	0.158	11.4	0	-4708	SLV 9	-7291	-10922	-76908	-18340	-18340	1	Si
30	0.158	7.6	0	15091	SLV 7	17674	9541	76908	18340	18340	1	Si
30	0.158	11.4	0	-4780	SLV 9	-7363	-10922	-76908	-18340	-18340	1	Si
60	0.158	7.6	0	14791	SLV 7	17374	9541	76908	18340	18340	1	Si
60	0.158	11.4	0	-5080	SLV 9	-7663	-10922	-76908	-18340	-18340	1	Si
90	0.158	7.6	0	14473	SLV 7	17057	9541	76908	18340	18340	1	Si
90	0.158	11.4	0	-5397	SLV 9	-7981	-10922	-76908	-18340	-18340	1	Si
120	0.149	7.6	0	14134	SLV 7	16717	9541	76908	17313	17313	1	Si
120	0.149	11.4	0	-5737	SLV 9	-8320	-10922	-76908	-17313	-17313	1	Si
135	0.149	7.6	0	13956	SLV 7	16539	9541	76908	17313	17313	1	Si
135	0.149	11.4	0	-5915	SLV 9	-8498	-10922	-76908	-17313	-17313	1	Si
165	0.149	7.6	0	13584	SLV 7	16167	9541	76908	17313	17313	1	Si
165	0.149	11.4	0	-6287	SLV 9	-8870	-10922	-76908	-17313	-17313	1	Si
194	0.149	11.4	0	13190	SLV 7	15773	10922	76908	17313	17313	1	Si
194	0.149	11.4	0	-6681	SLV 9	-9264	-10922	-76908	-17313	-17313	1	Si
224	0.149	11.4	0	12774	SLV 7	15358	10922	76908	17313	17313	1	Si
224	0.149	7.6	0	-7096	SLV 9	-9679	-9541	-76908	-17313	-17313	1	Si
254	0.149	11.4	0	12337	SLV 7	14920	10922	76908	17313	17313	1	Si
254	0.149	7.6	0	-7534	SLV 9	-10117	-9541	-76908	-17313	-17313	1	Si
284	0.149	11.4	0	11877	SLV 7	14460	10922	76908	17313	17313	1	Si
284	0.149	7.6	0	-7994	SLV 9	-10577	-9541	-76908	-17313	-17313	1	Si
314	0.149	11.4	0	11396	SLV 7	13979	10922	76908	17313	17313	1	Si
314	0.149	7.6	0	-8475	SLV 9	-11058	-9541	-76908	-17313	-17313	1	Si
344	0.149	18.87	0	10893	SLV 7	13476	12918	76908	17313	17313	1	Si
344	0.149	7.6	0	-8978	SLV 9	-11561	-9541	-76908	-17313	-17313	1	Si
359	0.115	21.89	0	10633	SLV 7	13217	13573	76908	13338	13573	1	Si
359	0.115	7.6	0	-9237	SLV 9	-11821	-9541	-76908	-13338	-13338	1	Si
389	0.115	22.81	0	10098	SLV 7	12681	13761	76908	13338	13761	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
389	0.115	7.6	0	-9773	SLV 9	-12356	-9541	-76908	-13338	-13338	1	Si
419	0.115	22.81	0	9543	SLV 7	12126	13761	76908	13338	13761	1	Si
419	0.115	7.6	0	-10328	SLV 9	-12911	-9541	-76908	-13338	-13338	1	Si
419	0.115	22.81	0	9541	SLV 7	12125	13761	76908	13338	13761	1	Si
419	0.115	7.6	0	-10329	SLV 9	-12913	-9541	-76908	-13338	-13338	1	Si
449	0	22.81	0	8981	SLV 7	11565	13761	76908	0	13761	1	Si
449	0	7.6	0	-10889	SLV 9	-13472	-9541	-76908	0	-9541	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	10092	SLD 7	10092	9541	76908	0	9541	1	Si
23	0.158	7.6	0	9624	SLD 7	9624	9541	76908	18340	18340	1	Si
30	0.158	7.6	0	9552	SLD 7	9552	9541	76908	18340	18340	1	Si
60	0.158	7.6	0	9252	SLD 7	9252	9541	76908	18340	18340	1	Si
90	0.158	7.6	0	8935	SLD 7	8935	9541	76908	18340	18340	1	Si
120	0.149	7.6	0	8595	SLD 7	8595	9541	76908	17313	17313	1	Si
120	0.149	11.4	0	-198	SLD 9	-198	-10922	-76908	-17313	-17313	1	Si
135	0.149	7.6	0	8417	SLD 7	8417	9541	76908	17313	17313	1	Si
135	0.149	11.4	0	-376	SLD 9	-376	-10922	-76908	-17313	-17313	1	Si
165	0.149	7.6	0	8045	SLD 7	8045	9541	76908	17313	17313	1	Si
165	0.149	11.4	0	-748	SLD 9	-748	-10922	-76908	-17313	-17313	1	Si
194	0.149	11.4	0	7651	SLD 7	7651	10922	76908	17313	17313	1	Si
194	0.149	11.4	0	-1142	SLD 9	-1142	-10922	-76908	-17313	-17313	1	Si
224	0.149	11.4	0	7236	SLD 7	7236	10922	76908	17313	17313	1	Si
224	0.149	11.4	0	-1558	SLD 9	-1558	-10922	-76908	-17313	-17313	1	Si
254	0.149	11.4	0	6798	SLD 7	6798	10922	76908	17313	17313	1	Si
254	0.149	7.6	0	-1995	SLD 9	-1995	-9541	-76908	-17313	-17313	1	Si
284	0.149	11.4	0	6338	SLD 7	6338	10922	76908	17313	17313	1	Si
284	0.149	7.6	0	-2455	SLD 9	-2455	-9541	-76908	-17313	-17313	1	Si
314	0.149	11.4	0	5857	SLD 7	5857	10922	76908	17313	17313	1	Si
314	0.149	7.6	0	-2936	SLD 9	-2936	-9541	-76908	-17313	-17313	1	Si
344	0.149	18.87	0	5354	SLD 7	5354	12918	76908	17313	17313	1	Si
344	0.149	7.6	0	-3439	SLD 9	-3439	-9541	-76908	-17313	-17313	1	Si
359	0.115	21.89	0	5095	SLD 7	5095	13573	76908	13338	13573	1	Si
359	0.115	7.6	0	-3699	SLD 9	-3699	-9541	-76908	-13338	-13338	1	Si
389	0.115	22.81	0	4559	SLD 7	4559	13761	76908	13338	13761	1	Si
389	0.115	7.6	0	-4234	SLD 9	-4234	-9541	-76908	-13338	-13338	1	Si
419	0.115	22.81	0	4004	SLD 7	4004	13761	76908	13338	13761	1	Si
419	0.115	7.6	0	-4789	SLD 9	-4789	-9541	-76908	-13338	-13338	1	Si
419	0.115	22.81	0	4003	SLD 7	4003	13761	76908	13338	13761	1	Si
419	0.115	7.6	0	-4791	SLD 9	-4791	-9541	-76908	-13338	-13338	1	Si
449	0	22.81	0	3443	SLD 7	3443	13761	76908	0	13761	1	Si
449	0	7.6	0	-5351	SLD 9	-5351	-9541	-76908	0	-9541	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-737107	2	-679560	15.3	124.5	235.7	1837	-724148	2	-668672	26.8	93.4	0	+∞	Si
23	-618614	2	-618614	13.9	124.5	214.5	1837	-609866	2	-609866	24.5	93.4	0	+∞	Si
30	-580744	2	-618614	13.9	124.5	214.5	1837	-573325	2	-609866	24.5	93.4	0	+∞	Si
60	-433843	2	-576553	13	124.5	199.9	1837	-431570	2	-569282	22.8	93.4	0	+∞	Si
90	-302251	1	-429904	9.7	124.5	149.1	1837	-302251	1	-427767	17.2	93.4	0	+∞	Si
120	-184928	1	-298892	6.7	124.5	103.6	1837	-184928	1	-298892	12	93.4	0	+∞	Si
135	-129647	1	-239249	5.4	124.5	83	1837	-129647	1	-239249	9.6	93.4	0	+∞	Si
165	5056	3	102819	3.7	124.5	153.1	1837								Si
165	-26168	1	-126671	2.8	124.5	43.9	1837	-26168	1	-126671	5.1	93.4	0	+∞	Si
194	105561	3	191569	7	124.5	285.2	1837	90187	2	174258	6.3	93.4	0	+∞	Si
224	193969	2	267506	9.7	124.5	398.3	1837	176601	2	248732	9	93.4	0	+∞	Si
254	269538	2	329987	12	124.5	491.3	1837	250729	2	310560	11.3	93.4	0	+∞	Si
284	331636	2	378342	11.5	124.5	347.5	1837	312196	2	359134	10.9	93.4	0	+∞	Si
314	379588	2	411898	11.8	124.5	315.7	1837	360393	2	393845	11.3	93.4	0	+∞	Si
344	412723	2	429981	12.3	124.5	329.6	1837	394710	2	414084	11.9	93.4	0	+∞	Si
359	423523	2	433011	12.4	124.5	331.9	1837	406473	2	418586	12	93.4	0	+∞	Si
389	433168	2	433168	12.4	124.5	332	1837	418827	2	419265	12	93.4	0	+∞	Si
419	426348	2	433102	12.4	124.5	332	1837	415800	2	419265	12	93.4	0	+∞	Si
419	426313	2	426299	12.2	124.5	326.8	1837	415777	2	415765	11.9	93.4	0	+∞	Si
449	402329	2	402329	11.5	124.5	308.4	1837	396743	2	396743	11.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.004	2	9999	Si
30	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.004	2	-0.004	2	9999	Si
60	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.004	2	-0.005	2	9999	Si
90	0	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.003	2	-0.004	2	9999	Si
120	0.002	0.001	0.001	0	0.002	0.001	0.001	0	0.001	0.001	0.001	2	-0.001	2	9999	Si
135	0.003	0.001	0.002	0.001	0.003	0.001	0.002	0.001	0.002	0.001	0.003	2	0.001	2	9999	Si
165	0.005	0.003	0.004	0.002	0.005	0.003	0.004	0.002	0.004	0.003	0.008	2	0.005	2	9999	Si
194	0.007	0.005	0.006	0.004	0.007	0.005	0.006	0.004	0.006	0.005	0.013	2	0.01	2	9999	Si
224	0.009	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.017	2	0.014	2	9999	Si
254	0.01	0.008	0.009	0.007	0.01	0.008	0.009	0.007	0.01	0.008	0.021	2	0.017	2	9999	Si
284	0.011	0.009	0.01	0.008	0.011	0.009	0.009	0.008	0.01	0.009	0.023	2	0.02	2	9999	Si
299	0.011	0.009	0.01	0.008	0.011	0.009	0.01	0.008	0.011	0.009	0.023	2	0.02	2	9999	Si
314	0.011	0.009	0.01	0.008	0.011	0.009	0.01	0.008	0.01	0.009	0.023	2	0.02	2	9999	Si
344	0.01	0.009	0.009	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.021	2	0.019	2	9999	Si
359	0.01	0.008	0.009	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.02	2	0.018	2	9999	Si
389	0.007	0.006	0.007	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.015	2	0.014	2	9999	Si
419	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
419	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5227	12519	18340	SLV 7	0.38	797	1.047	-609866	-1586005	-970824	SLV 7	0.09	32	0.28	No
30	5155	12519	18340	SLV 7	0.38	807	1.053	-609866	-1586005	-970824	SLV 7	0.09	32	0.28	No
60	4856	12519	18340	SLV 7	0.39	853	1.077	-569282	-1508387	-970824	SLV 7	0.1	44	0.319	No

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
90	4538	12519	18340	SLV 7	0.4	903	1.102	-427767	-1227055	-970824	SLV 7	0.17	119	0.48	No
120	4198	12519	17313	SLV 7	0.38	797	1.047	-294965	-945809	-970824	SLV 7	0.26	329	0.729	No
135	4021	12519	17313	SLV 7	0.39	824	1.062	-232007	-805259	-970824	SLV 7	0.33	578	0.918	No
165	3649	12519	17313	SLV 7	0.4	881	1.091	-113363	-524747	-970824	SLV 7	0.57	2474	1.666	Si
194	3255	12519	17313	SLV 7	0.41	944	1.123	174258	-446802	-970824	SLV 13	0.57	2474	1.666	Si
224	2839	12519	17313	SLV 7	0.42	1017	1.157	248732	700215	1422093	SLV 3	0.57	2474	1.666	Si
254	2401	12519	17313	SLV 7	0.43	1101	1.196	310560	954042	1422093	SLV 3	0.42	1038	1.167	Si
284	1942	12519	17313	SLV 7	0.44	1193	1.236	359134	-1208013	-971513	SLV 13	0.4	901	1.101	Si
314	1461	12519	17313	SLV 7	0.46	1294	1.278	393845	-1462053	-971715	SLV 13	0.34	603	0.934	No
344	958	12519	17313	SLV 7	0.47	1406	1.322	414084	-1716131	-971715	SLV 13	0.3	429	0.812	No
359	698	12519	13573	SLV 7	0.37	762	1.028	418586	-1853838	-971715	SLV 9	0.28	365	0.76	No
389	163	-12519	-13338	SLV 9	0.39	855	1.078	415975	-2135245	-971715	SLV 9	0.24	267	0.669	No
419	-392	-12519	-13338	SLV 9	0.38	772	1.034	415800	-2142315	-971715	SLV 9	0.24	265	0.667	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	5227	4397	18340	SLD 7	0.4	907	2.779	-609866	-701828	-970824	SLD 7	0.07	22	0.605	No
30	5155	4397	18340	SLD 7	0.4	918	2.792	-609866	-701828	-970824	SLD 7	0.07	22	0.605	No
60	4856	4397	18340	SLD 7	0.41	971	2.857	-569282	-667480	-970824	SLD 7	0.08	30	0.687	No
90	4538	4397	18340	SLD 7	0.42	1034	2.932	-427767	-542985	-970824	SLD 7	0.14	83	1.042	Si
120	4198	4397	17313	SLD 7	0.4	907	2.779	-294965	-418529	-970824	SLD 7	0.22	223	1.563	Si
135	4021	4397	17313	SLD 7	0.41	938	2.817	-232007	-356333	-970824	SLD 7	0.28	386	1.958	Si
165	3649	4397	17313	SLD 7	0.42	1006	2.899	-113363	-232199	-970824	SLD 7	0.49	1593	3.501	Si
194	3255	4397	17313	SLD 7	0.43	1086	2.992	174258	-197721	-970824	SLD 13	0.6	2474	4.193	Si
224	2839	4397	17313	SLD 7	0.44	1174	3.089	248732	309857	1422093	SLD 3	0.5	1704	3.599	Si
254	2401	4397	17313	SLD 7	0.45	1271	3.191	310560	422176	1422093	SLD 3	0.36	669	2.453	Si
284	1942	4397	17313	SLD 7	0.47	1377	3.298	359134	-534558	-971513	SLD 13	0.34	584	2.32	Si
314	1461	4397	17313	SLD 7	0.48	1494	3.41	393845	-646970	-971715	SLD 13	0.29	400	1.986	Si
344	958	4397	17313	SLD 7	0.49	1625	3.529	414084	-759399	-971715	SLD 13	0.25	291	1.743	Si
359	698	4397	13573	SLD 7	0.39	867	2.728	418586	-820364	-971715	SLD 9	0.23	248	1.633	Si
389	163	-4397	-13338	SLD 9	0.41	973	2.86	415975	-944892	-971715	SLD 9	0.2	182	1.438	Si
419	-392	-4397	-13338	SLD 9	0.4	879	2.743	415800	-948020	-971715	SLD 9	0.2	181	1.435	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" 70-(2361; 1496)

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 70 - 71, sezione R 45x70, asta 685

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4						-1263255	SLU 30	-1087497	-971525	0.08	No
23	7.6	5.4	19.01	5.4						-920645	SLU 30	-920645	-971525	0.08	Si
26	7.6	5.4	19.01	5.4						-870812	SLU 30	-920645	-971525	0.08	Si
52	7.6	5.4	19.01	5.4						-503715	SLU 30	-919200	-971525	0.08	Si
77	7.6	5.4	19.01	5.4	-111494	SLU 1	188138	2323876	0.102	-163618	SLU 36	-548903	-971525	0.08	Si
103	7.6	5.4	19.01	5.4	151412	SLU 30	470474	2323876	0.102	83785	SLU 6	-204560	-971525	0.08	Si
116	7.6	5.4	19.01	5.4	297976	SLU 30	600699	2323876	0.102	176460	SLU 1	-52079	-971525	0.08	Si
142	7.6	5.4	19.01	5.4	569465	SLU 30	838566	2323876	0.102						Si
168	7.6	5.4	19.01	5.4	811169	SLU 30	1045390	2323876	0.102						Si
194	7.6	5.4	19.01	5.4	1021970	SLU 30	1220051	2323876	0.102						Si
220	7.6	5.4	35.11	6.1	1200748	SLU 30	1361431	4110424	0.203						Si
245	7.6	5.4	38.01	6.2	1346385	SLU 30	1468411	4412298	0.225						Si
271	7.6	5.4	38.01	6.2	1457763	SLU 30	1539873	4412298	0.225						Si
297	7.6	5.4	38.01	6.2	1533763	SLU 30	1567130	4412298	0.225						Si
317	7.6	5.4	38.01	6.2	1567130	SLU 30	1567130	4412298	0.225						Si
336	7.6	5.4	38.01	6.2	1582910	SLU 30	1582910	4412298	0.225						Si
362	7.6	5.4	38.01	6.2	1584114	SLU 30	1584114	4412298	0.225						Si
387	7.6	5.4	38.01	6.2	1568414	SLU 36	1568414	4412298	0.225						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	680448	SLV 15	662727	2323876	0.102	-2451882	SLV 1	-2189783	-971525	0.08	No
23	7.6	5.4	19.01	5.4	635928	SLV 15	635928	2323876	0.102	-1930717	SLV 1	-1930717	-971525	0.08	No
26	7.6	5.4	19.01	5.4	628735	SLV 15	635928	2323876	0.102	-1854169	SLV 1	-1930717	-971525	0.08	No
52	7.6	5.4	19.01	5.4	560844	SLV 15	635719	2323876	0.102	-1274705	SLV 1	-1928498	-971525	0.08	No
77	7.6	5.4	19.01	5.4	476956	SLV 15	569857	2323876	0.102	-714527	SLV 1	-1346721	-971525	0.08	No
103	7.6	5.4	19.01	5.4	407222	SLV 11	603721	2323876	0.102	-205018	SLV 5	-784084	-971525	0.08	Si
116	7.6	5.4	19.01	5.4	459684	SLV 11	802065	2323876	0.102	-51743	SLV 5	-510563	-971525	0.08	Si
142	7.6	5.4	19.01	5.4	741088	SLV 3	1283127	2323876	0.102	49112	SLV 13	-111868	-971525	0.08	Si
168	7.6	5.4	19.01	5.4	1224129	SLV 3	1747189	2323876	0.102	-91840	SLV 13	-280829	-971525	0.08	Si
194	7.6	5.4	19.01	5.4	1690503	SLV 3	2192264	2323876	0.102	-257761	SLV 13	-474084	-971525	0.08	Si
220	7.6	5.4	35.11	6.1	2138062	SLV 3	2617038	4110424	0.203	-447963	SLV 13	-691782	-1024769	0.086	Si
245	7.6	5.4	38.01	6.2	2565477	SLV 3	3020296	4412298	0.225	-662580	SLV 13	-934168	-1034227	0.086	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
271	7.6	5.4	38.01	6.2	2971521	SLV 1	3400907	4412298	0.225	-901849	SLV 15	-1201577	-1034227	0.086	No
297	7.6	5.4	38.01	6.2	3355053	SLV 1	3640941	4412298	0.225	-1166092	SLV 15	-1393516	-1034227	0.086	No
317	7.6	5.4	38.01	6.2	3640941	SLV 1	3640941	4412298	0.225	-1393516	SLV 15	-1393516	-1034227	0.086	No
336	7.6	5.4	38.01	6.2	3888439	SLV 1	3861368	4412298	0.225	-1607641	SLV 15	-1577938	-1034227	0.086	No
362	7.6	5.4	38.01	6.2	4223405	SLV 1	4059216	4412298	0.225	-1924182	SLV 15	-1743471	-1034227	0.086	No
387	7.6	5.4	38.01	6.2	4542696	SLV 1	4125165	4412298	0.225	-2257289	SLV 15	-1798649	-1034227	0.086	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4						-1578657	SLD 1	-1394557	-971525	0.08	No
23	7.6	5.4	19.01	5.4	-79612	SLD 15	48691	2323876	0.102	-1215178	SLD 1	-1215178	-971525	0.08	No
26	7.6	5.4	19.01	5.4	-63462	SLD 15	61610	2323876	0.102	-1161972	SLD 1	-1215178	-971525	0.08	No
52	7.6	5.4	19.01	5.4	49096	SLD 15	155136	2323876	0.102	-762957	SLD 1	-1213635	-971525	0.08	No
77	7.6	5.4	19.01	5.4	144735	SLD 15	256676	2323876	0.102	-382305	SLD 1	-812387	-971525	0.08	Si
103	7.6	5.4	19.01	5.4	236499	SLD 11	448488	2323876	0.102	-34295	SLD 5	-429407	-971525	0.08	Si
116	7.6	5.4	19.01	5.4	317022	SLD 11	587484	2323876	0.102	90919	SLD 5	-245136	-971525	0.08	Si
142	7.6	5.4	19.01	5.4	548193	SLD 3	894297	2323876	0.102						Si
168	7.6	5.4	19.01	5.4	857325	SLD 3	1181912	2323876	0.102						Si
194	7.6	5.4	19.01	5.4	1147457	SLD 3	1449055	2323876	0.102						Si
220	7.6	5.4	35.11	6.1	1417243	SLD 3	1694742	4110424	0.203						Si
245	7.6	5.4	38.01	6.2	1665693	SLD 3	1918026	4412298	0.225						Si
271	7.6	5.4	38.01	6.2	1891856	SLD 1	2118000	4412298	0.225						Si
297	7.6	5.4	38.01	6.2	2094820	SLD 1	2237621	4412298	0.225						Si
317	7.6	5.4	38.01	6.2	2237621	SLD 1	2237621	4412298	0.225						Si
336	7.6	5.4	38.01	6.2	2356440	SLD 1	2345194	4412298	0.225	-75642	SLD 15	-61765	-1034227	0.086	Si
362	7.6	5.4	38.01	6.2	2509797	SLD 1	2441748	4412298	0.225	-210573	SLD 15	-126003	-1034227	0.086	Si
387	7.6	5.4	38.01	6.2	2647229	SLD 1	2473933	4412298	0.225	-361822	SLD 15	-147416	-1034227	0.086	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	15672	SLU 30	15672	9541	76908	0	9541	1	Si
23	0.23	7.6	0	14831	SLU 30	14831	9541	76908	26676	26676	1	Si
26	0.23	7.6	0	14706	SLU 30	14706	9541	76908	26676	26676	1	Si
52	0.23	7.6	0	13711	SLU 30	13711	9541	76908	26676	26676	1	Si
77	0.23	7.6	0	12687	SLU 30	12687	9541	76908	26676	26676	1	Si
103	0.214	19.01	0	11621	SLU 30	11621	12949	76908	24848	24848	1	Si
116	0.214	19.01	0	11071	SLU 30	11071	12949	76908	24848	24848	1	Si
142	0.214	19.01	0	9940	SLU 30	9940	12949	76908	24848	24848	1	Si
168	0.214	19.01	0	8765	SLU 30	8765	12949	76908	24848	24848	1	Si
194	0.214	19.01	0	7547	SLU 30	7547	12949	76908	24848	24848	1	Si
220	0.214	19.01	0	6286	SLU 30	6286	12877	76035	24565	24565	1	Si
245	0.214	19.01	0	5043	SLU 36	5043	12871	75956	24540	24540	1	Si
271	0.172	30.76	0	3799	SLU 35	3799	15112	75956	19760	19760	1	Si
297	0.172	38.01	0	2765	SLU 26	2765	16216	75956	19760	19760	1	Si
317	0.172	38.01	0	2022	SLU 26	2022	16216	75956	19760	19760	1	Si
336	0	38.01	0	1527	SLU 26	1527	16216	75956	0	16216	1	Si
362	0	38.01	0	862	SLU 26	862	16216	75956	0	16216	1	Si
362	0	38.01	0	-664	SLU 11	-664	-16216	-75956	0	-16216	1	Si
387	0	38.01	0	194	SLU 26	194	16216	75956	0	16216	1	Si
387	0	38.01	0	-1446	SLU 11	-1446	-16216	-75956	0	-16216	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	23600	SLV 1	26903	9541	76908	0	9541	1	Si
0	0	19.01	0	-1810	SLV 15	-5114	-12949	-76908	0	-12949	1	Si
23	0.23	7.6	0	23028	SLV 1	26331	9541	76908	26676	26676	1	Si
23	0.23	19.01	0	-2382	SLV 15	-5685	-12949	-76908	-26676	-26676	1	Si
26	0.23	7.6	0	22943	SLV 1	26246	9541	76908	26676	26676	1	Si
26	0.23	19.01	0	-2468	SLV 15	-5771	-12949	-76908	-26676	-26676	1	Si
52	0.23	7.6	0	22268	SLV 1	25571	9541	76908	26676	26676	1	Si
52	0.23	19.01	0	-3142	SLV 15	-6446	-12949	-76908	-26676	-26676	1	Si
77	0.23	7.6	0	21575	SLV 1	24878	9541	76908	26676	26676	1	Si
77	0.23	19.01	0	-3835	SLV 15	-7139	-12949	-76908	-26676	-26676	1	Si
103	0.214	7.6	0	20854	SLV 1	24157	9541	76908	24848	24848	1	Si
103	0.214	19.01	0	-4556	SLV 15	-7859	-12949	-76908	-24848	-24848	1	Si
116	0.214	19.01	0	20483	SLV 1	23786	12949	76908	24848	24848	1	Si
116	0.214	19.01	0	-4927	SLV 15	-8231	-12949	-76908	-24848	-24848	1	Si
142	0.214	19.01	0	19720	SLV 1	23023	12949	76908	24848	24848	1	Si
142	0.214	19.01	0	-5691	SLV 15	-8994	-12949	-76908	-24848	-24848	1	Si
168	0.214	19.01	0	18928	SLV 1	22231	12949	76908	24848	24848	1	Si
168	0.214	19.01	0	-6482	SLV 15	-9786	-12949	-76908	-24848	-24848	1	Si
194	0.214	19.01	0	18108	SLV 1	21411	12949	76908	24848	24848	1	Si
194	0.214	7.6	0	-7302	SLV 15	-10606	-9541	-76908	-24848	-24848	1	Si
220	0.214	19.01	0	17260	SLV 1	20563	12877	76035	24565	24565	1	Si
220	0.214	7.6	0	-8151	SLV 15	-11454	-9541	-76908	-24848	-24848	1	Si
245	0.214	19.01	0	16383	SLV 1	19686	12871	75956	24540	24540	1	Si
245	0.214	7.6	0	-9027	SLV 15	-12330	-9541	-76908	-24848	-24848	1	Si
271	0.172	30.76	0	15478	SLV 1	18782	15112	75956	19760	19760	1	Si
271	0.172	7.6	0	-9932	SLV 15	-13235	-9541	-76908	-20007	-20007	1	Si
297	0.172	38.01	0	14545	SLV 1	17848	16216	75956	19760	19760	1	Si
297	0.172	7.6	0	-10865	SLV 15	-14169	-9541	-76908	-20007	-20007	1	Si
317	0.172	38.01	0	13835	SLV 1	17138	16216	75956	19760	19760	1	Si
317	0.172	7.6	0	-11575	SLV 15	-14879	-9541	-76908	-20007	-20007	1	Si
336	0	38.01	0	13371	SLV 1	16674	16216	75956	0	16216	1	Si
336	0	7.6	0	-12040	SLV 15	-15343	-9541	-76908	0	-9541	1	Si
362	0	38.01	0	12750	SLV 1	16053	16216	75956	0	16216	1	Si
362	0	7.6	0	-12660	SLV 15	-15964	-9541	-76908	0	-9541	1	Si
387	0	38.01	0	12126	SLV 1	15429	16216	75956	0	16216	1	Si
387	0	7.6	0	-13285	SLV 15	-16588	-9541	-76908	0	-9541	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	16517	SLD 1	16517	9541	76908	0	9541	1	Si
23	0.23	7.6	0	15945	SLD 1	15945	9541	76908	26676	26676	1	Si
26	0.23	7.6	0	15859	SLD 1	15859	9541	76908	26676	26676	1	Si
52	0.23	7.6	0	15185	SLD 1	15185	9541	76908	26676	26676	1	Si
77	0.23	7.6	0	14492	SLD 1	14492	9541	76908	26676	26676	1	Si
103	0.214	7.6	0	13771	SLD 1	13771	9541	76908	24848	24848	1	Si
116	0.214	19.01	0	13400	SLD 1	13400	12949	76908	24848	24848	1	Si
142	0.214	19.01	0	12636	SLD 1	12636	12949	76908	24848	24848	1	Si
168	0.214	19.01	0	11845	SLD 1	11845	12949	76908	24848	24848	1	Si
194	0.214	19.01	0	11025	SLD 1	11025	12949	76908	24848	24848	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
194	0.214	19.01	0	-219	SLD 15	-219	-12949	-76908	-24848	-24848	1	Si
220	0.214	19.01	0	10176	SLD 1	10176	12877	76035	24565	24565	1	Si
220	0.214	19.01	0	-1067	SLD 15	-1067	-12877	-76035	-24565	-24565	1	Si
245	0.214	19.01	0	9300	SLD 1	9300	12871	75956	24540	24540	1	Si
245	0.214	19.01	0	-1944	SLD 15	-1944	-12871	-75956	-24540	-24540	1	Si
271	0.172	30.76	0	8395	SLD 1	8395	15112	75956	19760	19760	1	Si
271	0.172	30.76	0	-2849	SLD 15	-2849	-15112	-75956	-19760	-19760	1	Si
297	0.172	38.01	0	7462	SLD 1	7462	16216	75956	19760	19760	1	Si
297	0.172	38.01	0	-3782	SLD 15	-3782	-16216	-75956	-19760	-19760	1	Si
317	0.172	38.01	0	6752	SLD 1	6752	16216	75956	19760	19760	1	Si
317	0.172	38.01	0	-4492	SLD 15	-4492	-16216	-75956	-19760	-19760	1	Si
336	0	38.01	0	6287	SLD 1	6287	16216	75956	0	16216	1	Si
336	0	7.6	0	-4956	SLD 15	-4956	-9541	-76908	0	-9541	1	Si
362	0	38.01	0	5667	SLD 1	5667	16216	75956	0	16216	1	Si
362	0	7.6	0	-5577	SLD 15	-5577	-9541	-76908	0	-9541	1	Si
387	0	38.01	0	5042	SLD 1	5042	16216	75956	0	16216	1	Si
387	0	7.6	0	-6201	SLD 15	-6201	-9541	-76908	0	-9541	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-935539	3	-805708	16.6	124.5	270.3	1837	-885717	2	-763528	27.9	93.4	0	+∞	Si
23	-682403	3	-682403	14.1	124.5	228.9	1837	-647395	2	-647395	23.7	93.4	0	+∞	Si
26	-645578	3	-682403	14.1	124.5	228.9	1837	-612717	2	-647395	23.7	93.4	0	+∞	Si
52	-374180	3	-681335	14	124.5	228.6	1837	-356931	2	-646389	23.6	93.4	0	+∞	Si
77	-122475	9	-407594	8.4	124.5	136.7	1837	-118785	2	-388432	14.2	93.4	0	+∞	Si
103	110775	3	347415	10.6	124.5	316.9	1837	101102	2	325329	9.9	93.4	0	+∞	Si
116	219426	3	444129	13.5	124.5	405.1	1837	203971	2	417171	12.7	93.4	0	+∞	Si
142	420916	3	621061	18.9	124.5	566.4	1837	395100	2	585630	17.8	93.4	0	+∞	Si
168	600650	3	775330	23.6	124.5	707.1	1837	566144	2	733180	22.3	93.4	0	+∞	Si
194	757821	3	906126	27.6	124.5	826.4	1837	716371	2	859090	26.1	93.4	0	+∞	Si
220	891621	3	1012642	25.9	124.5	531.9	1837	845050	2	962628	24.7	93.4	0	+∞	Si
245	1001243	3	1094072	27.5	124.5	534.9	1837	951448	2	1043064	26.2	93.4	0	+∞	Si
271	1085879	3	1149606	28.8	124.5	562.1	1837	1034836	2	1099665	27.6	93.4	0	+∞	Si
297	1144720	3	1171764	29.4	124.5	572.9	1837	1094480	2	1123713	28.2	93.4	0	+∞	Si
317	1171764	3	1171764	29.4	124.5	572.9	1837	1123713	2	1123713	28.2	93.4	0	+∞	Si
336	1185689	3	1185689	29.8	124.5	579.7	1837	1140399	2	1140399	28.6	93.4	0	+∞	Si
362	1189902	3	1189902	29.9	124.5	581.8	1837	1149612	2	1149612	28.8	93.4	0	+∞	Si
387	1181281	9	1181281	29.6	124.5	577.6	1837	1142703	2	1142703	28.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.005	2	9999	Si
26	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
52	0.008	0.007	0.006	0.006	0.008	0.007	0.006	0.006	0.007	0.007	0.014	2	0.013	2	9999	Si
77	0.013	0.011	0.011	0.009	0.013	0.011	0.01	0.009	0.012	0.011	0.024	2	0.022	2	9999	Si
103	0.019	0.016	0.015	0.013	0.018	0.016	0.015	0.013	0.018	0.016	0.034	2	0.031	2	9999	Si
116	0.021	0.018	0.018	0.015	0.02	0.018	0.017	0.015	0.02	0.018	0.039	2	0.036	2	9907	Si
142	0.026	0.023	0.022	0.019	0.025	0.023	0.021	0.019	0.025	0.023	0.048	2	0.045	2	8003	Si
168	0.03	0.026	0.025	0.022	0.029	0.026	0.024	0.022	0.029	0.026	0.056	2	0.052	2	6897	Si
194	0.033	0.029	0.028	0.024	0.032	0.029	0.027	0.024	0.031	0.029	0.062	2	0.057	2	6276	Si
220	0.035	0.03	0.029	0.026	0.033	0.03	0.028	0.026	0.033	0.03	0.065	2	0.06	2	5999	Si
232	0.035	0.031	0.029	0.026	0.034	0.031	0.028	0.026	0.033	0.031	0.065	2	0.06	2	5968	Si
245	0.035	0.03	0.029	0.026	0.033	0.03	0.028	0.026	0.033	0.03	0.064	2	0.06	2	6009	Si
271	0.033	0.029	0.028	0.024	0.031	0.029	0.027	0.024	0.031	0.029	0.061	2	0.057	2	6339	Si
297	0.029	0.025	0.024	0.022	0.027	0.025	0.024	0.022	0.027	0.025	0.054	2	0.05	2	7144	Si
317	0.024	0.021	0.021	0.019	0.023	0.021	0.02	0.019	0.023	0.021	0.046	2	0.043	2	8396	Si
336	0.019	0.016	0.017	0.015	0.018	0.016	0.016	0.015	0.018	0.016	0.037	2	0.034	2	9999	Si
362	0.009	0.008	0.009	0.008	0.009	0.008	0.009	0.008	0.009	0.008	0.02	2	0.019	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	10323	16008	26676	SLV 1	0.37	749	1.021	-647395	-1283323	-971525	SLV 1	0.1	40	0.307	No
26	10238	16008	26676	SLV 1	0.37	759	1.027	-647395	-1283323	-971525	SLV 1	0.1	40	0.307	No
52	9563	16008	26676	SLV 1	0.39	837	1.069	-646389	-1282108	-971525	SLV 1	0.1	40	0.307	No
77	8870	16008	26676	SLV 1	0.4	922	1.112	-388432	-958289	-971525	SLV 1	0.23	231	0.63	No
103	8149	16008	24848	SLV 1	0.38	789	1.043	-148062	-636022	-971525	SLV 1	0.47	1372	1.309	Si
116	7778	16008	24848	SLV 1	0.39	832	1.066	-34647	-475916	-971525	SLV 1	0.57	2474	1.666	Si
142	7015	16008	24848	SLV 1	0.4	926	1.114	585630	-697498	-971525	SLV 13	0.57	2474	1.666	Si
168	6223	16008	24848	SLV 1	0.42	1034	1.165	733180	1014009	2323876	SLV 3	0.56	2292	1.615	Si
194	5403	16008	24848	SLV 1	0.44	1159	1.221	859090	1333174	2323876	SLV 3	0.4	895	1.098	Si
220	4555	16008	24565	SLV 1	0.45	1250	1.26	962628	-1654410	-1024769	SLV 13	0.43	1126	1.207	Si
245	3678	16008	24540	SLV 1	0.47	1396	1.318	1043064	-1977232	-1034227	SLV 15	0.38	802	1.05	Si
271	2773	16008	19760	SLV 1	0.39	822	1.061	1099665	-2301242	-1034227	SLV 15	0.34	593	0.928	No
297	1840	16008	19760	SLV 1	0.41	937	1.119	1123713	-2517228	-1034227	SLV 15	0.31	490	0.858	No
317	1130	16008	19760	SLV 1	0.42	1035	1.166	1123713	-2517228	-1034227	SLV 15	0.31	490	0.858	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	10323	5622	26676	SLD 1	0.39	853	2.71	-647395	-567783	-971525	SLD 1	0.08	27	0.658	No
26	10238	5622	26676	SLD 1	0.39	864	2.724	-647395	-567783	-971525	SLD 1	0.08	27	0.658	No
52	9563	5622	26676	SLD 1	0.41	953	2.836	-646389	-567245	-971525	SLD 1	0.08	27	0.658	No
77	8870	5622	26676	SLD 1	0.42	1059	2.961	-388432	-423955	-971525	SLD 1	0.19	158	1.357	Si
103	8149	5622	24848	SLD 1	0.4	898	2.767	-148062	-281345	-971525	SLD 1	0.39	866	2.727	Si
116	7778	5622	24848	SLD 1	0.41	947	2.828	-34647	-210489	-971525	SLD 1	0.59	2474	4.193	Si
142	7015	5622	24848	SLD 1	0.42	1063	2.966	585630	-308667	-971525	SLD 13	0.6	2474	4.193	Si
168	6223	5622	24848	SLD 1	0.44	1194	3.11	733180	448732	2323876	SLD 3	0.47	1428	3.347	Si
194	5403	5622	24848	SLD 1	0.46	1338	3.259	859090	589965	2323876	SLD 3	0.34	581	2.315	Si
220	4555	5622	24565	SLD 1	0.47	1444	3.362	962628	-732113	-1024769	SLD 13	0.37	721	2.529	Si
245	3678	5622	24540	SLD 1	0.49	1614	3.519	1043064	-874962	-1034227	SLD 15	0.32	521	2.214	Si
271	2773	5622	19760	SLD 1	0.41	935	2.814	1099665	-1018335	-1034227	SLD 15	0.29	395	1.976	Si
297	1840	5622	19760	SLD 1	0.43	1077	2.981	1123713	-1113908	-1034227	SLD 15	0.27	332	1.84	Si
317	1130	5622	19760	SLD 1	0.44	1195	3.111	1123713	-1113908	-1034227	SLD 15	0.27	332	1.84	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" (1926; 3516)-29A

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x50	Rettangolare	30	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 36C - 25D, sezione R 30x50, asta 716

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	538870	SLU 30	465237	644450	0.121						Si
9	7.6	5.4	7.6	5.4	486654	SLU 30	455856	644450	0.121						Si
18	7.6	5.4	7.6	5.4	434057	SLU 30	427711	644450	0.121						Si
25	7.6	5.4	7.6	5.4	390092	SLU 30	390092	644450	0.121						Si
35	7.6	5.4	7.6	5.4	327722	SLU 30	390092	644450	0.121						Si
40	7.6	5.4	7.6	5.4	300900	SLU 30	390092	644450	0.121						Si
49	7.6	5.4	7.6	5.4	246972	SLU 30	368940	644450	0.121						Si
57	7.6	5.4	7.6	5.4	192673	SLU 29	315495	644450	0.121						Si
66	7.6	5.4	7.6	5.4	138034	SLU 29	261670	644450	0.121						Si
75	7.6	5.4	7.6	5.4	83016	SLU 29	207465	644450	0.121	54667	SLU 4	-43643	-644450	0.121	Si
84	7.6	5.4	7.6	5.4	28644	SLU 19	152926	644450	0.121	20611	SLU 18	-99957	-644450	0.121	Si
93	7.6	5.4	7.6	5.4	-11462	SLU 1	98011	644450	0.121	-28376	SLU 30	-138503	-644450	0.121	Si
102	7.6	5.4	7.6	5.4	-45077	SLU 1	42715	644450	0.121	-84586	SLU 30	-138503	-644450	0.121	Si
106	7.6	5.4	7.6	5.4	-61994	SLU 1	19100	644450	0.121	-112834	SLU 30	-138503	-644450	0.121	Si
110	7.6	5.4	7.6	5.4	-77381	SLU 1	103	644450	0.121	-138503	SLU 30	-138503	-644450	0.121	Si
115	7.6	5.4	7.6	5.4						-169615	SLU 30	-166227	-644450	0.121	Si
124	7.6	5.4	7.6	5.4						-226777	SLU 30	-199654	-644450	0.121	Si
132	7.6	5.4	7.6	5.4						-284319	SLU 30	-210796	-644450	0.121	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	1299827	SLV 7	1111850	644450	0.121	-556439	SLV 9	-468866	-644450	0.121	No
9	7.6	5.4	7.6	5.4	1166398	SLV 7	1088100	644450	0.121	-494243	SLV 9	-457941	-644450	0.121	No
18	7.6	5.4	7.6	5.4	1032739	SLV 7	1016848	644450	0.121	-432402	SLV 9	-425165	-644450	0.121	No
25	7.6	5.4	7.6	5.4	921609	SLV 7	921609	644450	0.121	-381356	SLV 9	-381356	-644450	0.121	No
35	7.6	5.4	7.6	5.4	764808	SLV 7	921609	644450	0.121	-309863	SLV 9	-381356	-644450	0.121	No
40	7.6	5.4	7.6	5.4	697717	SLV 7	921609	644450	0.121	-279485	SLV 9	-381356	-644450	0.121	No
49	7.6	5.4	7.6	5.4	563437	SLV 7	868322	644450	0.121	-219072	SLV 9	-356991	-644450	0.121	No
57	7.6	5.4	7.6	5.4	429070	SLV 7	734224	644450	0.121	-159156	SLV 9	-296015	-644450	0.121	No
66	7.6	5.4	7.6	5.4	294677	SLV 7	599979	644450	0.121	-99800	SLV 9	-235477	-644450	0.121	Si
75	7.6	5.4	7.6	5.4	160355	SLV 7	465632	644450	0.121	-41100	SLV 9	-175422	-644450	0.121	Si
84	7.6	5.4	7.6	5.4	68156	SLV 1	331241	644450	0.121	-25107	SLV 15	-306292	-644450	0.121	Si
93	7.6	5.4	7.6	5.4	100842	SLV 5	213214	644450	0.121	-134586	SLV 11	-398614	-644450	0.121	Si
102	7.6	5.4	7.6	5.4	158331	SLV 5	213214	644450	0.121	-269453	SLV 11	-398614	-644450	0.121	Si
106	7.6	5.4	7.6	5.4	187123	SLV 5	213214	644450	0.121	-337153	SLV 11	-398614	-644450	0.121	Si
110	7.6	5.4	7.6	5.4	213214	SLV 5	213214	644450	0.121	-398614	SLV 11	-398614	-644450	0.121	Si
115	7.6	5.4	7.6	5.4	244749	SLV 5	239757	644450	0.121	-473034	SLV 11	-463363	-644450	0.121	Si
124	7.6	5.4	7.6	5.4	302371	SLV 5	271762	644450	0.121	-609496	SLV 11	-541435	-644450	0.121	Si
132	7.6	5.4	7.6	5.4	359926	SLV 5	282430	644450	0.121	-746477	SLV 11	-567459	-644450	0.121	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	782401	SLD 7	671233	644450	0.121	-39013	SLD 9	-28249	-644450	0.121	No
9	7.6	5.4	7.6	5.4	703502	SLD 7	657148	644450	0.121	-31347	SLD 9	-26990	-644450	0.121	No
18	7.6	5.4	7.6	5.4	624338	SLD 7	614894	644450	0.121	-24001	SLD 9	-23211	-644450	0.121	Si
25	7.6	5.4	7.6	5.4	558415	SLD 7	558415	644450	0.121	-18161	SLD 9	-18161	-644450	0.121	Si
35	7.6	5.4	7.6	5.4	465250	SLD 7	558415	644450	0.121	-10305	SLD 9	-18161	-644450	0.121	Si
40	7.6	5.4	7.6	5.4	425328	SLD 7	558415	644450	0.121	-7097	SLD 9	-18161	-644450	0.121	Si
49	7.6	5.4	7.6	5.4	345319	SLD 7	526773	644450	0.121	-954	SLD 9	-15442	-644450	0.121	Si
57	7.6	5.4	7.6	5.4	265107	SLD 7	447052	644450	0.121	4807	SLD 9	-8842	-644450	0.121	Si
66	7.6	5.4	7.6	5.4	184721	SLD 7	367102	644450	0.121	10156	SLD 9	-12893	-644450	0.121	Si
75	7.6	5.4	7.6	5.4	104203	SLD 7	286944	644450	0.121	15052	SLD 9	-91031	-644450	0.121	Si
84	7.6	5.4	7.6	5.4	42158	SLD 1	206603	644450	0.121	891	SLD 15	-172410	-644450	0.121	Si
93	7.6	5.4	7.6	5.4	35215	SLD 5	126117	644450	0.121	-68959	SLD 11	-228066	-644450	0.121	Si
102	7.6	5.4	7.6	5.4	39086	SLD 5	53622	644450	0.121	-150207	SLD 11	-228066	-644450	0.121	Si
106	7.6	5.4	7.6	5.4	40981	SLD 5	42667	644450	0.121	-191010	SLD 11	-228066	-644450	0.121	Si
110	7.6	5.4	7.6	5.4	42667	SLD 5	42667	644450	0.121	-228066	SLD 11	-228066	-644450	0.121	Si
115	7.6	5.4	7.6	5.4	44667	SLD 5	43763	644450	0.121	-272951	SLD 11	-267369	-644450	0.121	Si
124	7.6	5.4	7.6	5.4	48188	SLD 5	45084	644450	0.121	-355313	SLD 11	-314758	-644450	0.121	Si
132	7.6	5.4	7.6	5.4	51516	SLD 5	45525	644450	0.121	-438067	SLD 11	-330554	-644450	0.121	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-5890	SLU 30	-5890	-6102	-35398	0	-6102	1	Si
9	0	7.6	0	-5933	SLU 30	-5933	-6102	-35398	0	-6102	1	Si
18	0	7.6	0	-5976	SLU 30	-5976	-6102	-35398	0	-6102	1	Si
25	0.248	7.6	0	-6012	SLU 30	-6012	-6102	-35398	-19907	-19907	1	Si
35	0.248	7.6	0	-6062	SLU 30	-6062	-6102	-35398	-19907	-19907	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
40	0.248	7.6	0	-6084	SLU 30	-6084	-6102	-35398	-19907	-19907	1	Si
49	0.248	7.6	0	-6127	SLU 30	-6127	-6102	-35398	-19907	-19907	1	Si
57	0.248	7.6	0	-6170	SLU 30	-6170	-6102	-35398	-19907	-19907	1	Si
66	0.248	7.6	0	-6213	SLU 30	-6213	-6102	-35398	-19907	-19907	1	Si
75	0.248	7.6	0	-6256	SLU 30	-6256	-6102	-35398	-19907	-19907	1	Si
84	0.248	7.6	0	-6299	SLU 30	-6299	-6102	-35398	-19907	-19907	1	Si
93	0.248	7.6	0	-6342	SLU 30	-6342	-6102	-35398	-19907	-19907	1	Si
102	0.248	7.6	0	-6385	SLU 30	-6385	-6102	-35398	-19907	-19907	1	Si
106	0.248	7.6	0	-6407	SLU 30	-6407	-6102	-35398	-19907	-19907	1	Si
110	0.248	7.6	0	-6426	SLU 30	-6426	-6102	-35398	-19907	-19907	1	Si
115	0	7.6	0	-6450	SLU 30	-6450	-6102	-35398	0	-6102	1	Si
124	0	7.6	0	-6493	SLU 30	-6493	-6102	-35398	0	-6102	1	Si
132	0	7.6	0	-6536	SLU 30	-6536	-6102	-35398	0	-6102	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	7095	SLV 9	9983	6102	35398	0	6102	1	Si
0	0	7.6	0	-15126	SLV 7	-18014	-6102	-35398	0	-6102	1	Si
9	0	7.6	0	7061	SLV 9	9950	6102	35398	0	6102	1	Si
9	0	7.6	0	-15159	SLV 7	-18047	-6102	-35398	0	-6102	1	Si
18	0	7.6	0	7028	SLV 9	9917	6102	35398	0	6102	1	Si
18	0	7.6	0	-15192	SLV 7	-18080	-6102	-35398	0	-6102	1	Si
25	0.248	7.6	0	7001	SLV 9	9889	6102	35398	19907	19907	1	Si
25	0.248	7.6	0	-15219	SLV 7	-18108	-6102	-35398	-19907	-19907	1	Si
35	0.248	7.6	0	6962	SLV 9	9851	6102	35398	19907	19907	1	Si
35	0.248	7.6	0	-15258	SLV 7	-18147	-6102	-35398	-19907	-19907	1	Si
40	0.248	7.6	0	6946	SLV 9	9834	6102	35398	19907	19907	1	Si
40	0.248	7.6	0	-15275	SLV 7	-18163	-6102	-35398	-19907	-19907	1	Si
49	0.248	7.6	0	6912	SLV 9	9801	6102	35398	19907	19907	1	Si
49	0.248	7.6	0	-15308	SLV 7	-18196	-6102	-35398	-19907	-19907	1	Si
57	0.248	7.6	0	6879	SLV 9	9768	6102	35398	19907	19907	1	Si
57	0.248	7.6	0	-15341	SLV 7	-18229	-6102	-35398	-19907	-19907	1	Si
66	0.248	7.6	0	6846	SLV 9	9735	6102	35398	19907	19907	1	Si
66	0.248	7.6	0	-15374	SLV 7	-18263	-6102	-35398	-19907	-19907	1	Si
75	0.248	7.6	0	6813	SLV 9	9702	6102	35398	19907	19907	1	Si
75	0.248	7.6	0	-15407	SLV 7	-18296	-6102	-35398	-19907	-19907	1	Si
84	0.248	7.6	0	6780	SLV 9	9669	6102	35398	19907	19907	1	Si
84	0.248	7.6	0	-15440	SLV 7	-18329	-6102	-35398	-19907	-19907	1	Si
93	0.248	7.6	0	6747	SLV 9	9635	6102	35398	19907	19907	1	Si
93	0.248	7.6	0	-15473	SLV 7	-18362	-6102	-35398	-19907	-19907	1	Si
102	0.248	7.6	0	6714	SLV 9	9602	6102	35398	19907	19907	1	Si
102	0.248	7.6	0	-15506	SLV 7	-18395	-6102	-35398	-19907	-19907	1	Si
106	0.248	7.6	0	6697	SLV 9	9586	6102	35398	19907	19907	1	Si
106	0.248	7.6	0	-15523	SLV 7	-18412	-6102	-35398	-19907	-19907	1	Si
110	0.248	7.6	0	6682	SLV 9	9571	6102	35398	19907	19907	1	Si
110	0.248	7.6	0	-15538	SLV 7	-18427	-6102	-35398	-19907	-19907	1	Si
115	0	7.6	0	6664	SLV 9	9553	6102	35398	0	6102	1	Si
115	0	7.6	0	-15556	SLV 7	-18445	-6102	-35398	0	-6102	1	Si
124	0	7.6	0	6631	SLV 9	9519	6102	35398	0	6102	1	Si
124	0	7.6	0	-15589	SLV 7	-18478	-6102	-35398	0	-6102	1	Si
132	0	7.6	0	6598	SLV 9	9486	6102	35398	0	6102	1	Si
132	0	7.6	0	-15622	SLV 7	-18511	-6102	-35398	0	-6102	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	901	SLD 9	901	6102	35398	0	6102	1	Si
0	0	7.6	0	-8932	SLD 7	-8932	-6102	-35398	0	-6102	1	Si
9	0	7.6	0	868	SLD 9	868	6102	35398	0	6102	1	Si
9	0	7.6	0	-8965	SLD 7	-8965	-6102	-35398	0	-6102	1	Si
18	0	7.6	0	835	SLD 9	835	6102	35398	0	6102	1	Si
18	0	7.6	0	-8998	SLD 7	-8998	-6102	-35398	0	-6102	1	Si
25	0.248	7.6	0	807	SLD 9	807	6102	35398	19907	19907	1	Si
25	0.248	7.6	0	-9025	SLD 7	-9025	-6102	-35398	-19907	-19907	1	Si
35	0.248	7.6	0	768	SLD 9	768	6102	35398	19907	19907	1	Si
35	0.248	7.6	0	-9064	SLD 7	-9064	-6102	-35398	-19907	-19907	1	Si
40	0.248	7.6	0	752	SLD 9	752	6102	35398	19907	19907	1	Si
40	0.248	7.6	0	-9081	SLD 7	-9081	-6102	-35398	-19907	-19907	1	Si
49	0.248	7.6	0	719	SLD 9	719	6102	35398	19907	19907	1	Si
49	0.248	7.6	0	-9114	SLD 7	-9114	-6102	-35398	-19907	-19907	1	Si
57	0.248	7.6	0	685	SLD 9	685	6102	35398	19907	19907	1	Si
57	0.248	7.6	0	-9147	SLD 7	-9147	-6102	-35398	-19907	-19907	1	Si
66	0.248	7.6	0	652	SLD 9	652	6102	35398	19907	19907	1	Si
66	0.248	7.6	0	-9180	SLD 7	-9180	-6102	-35398	-19907	-19907	1	Si
75	0.248	7.6	0	619	SLD 9	619	6102	35398	19907	19907	1	Si
75	0.248	7.6	0	-9213	SLD 7	-9213	-6102	-35398	-19907	-19907	1	Si
84	0.248	7.6	0	586	SLD 9	586	6102	35398	19907	19907	1	Si
84	0.248	7.6	0	-9246	SLD 7	-9246	-6102	-35398	-19907	-19907	1	Si
93	0.248	7.6	0	553	SLD 9	553	6102	35398	19907	19907	1	Si
93	0.248	7.6	0	-9280	SLD 7	-9280	-6102	-35398	-19907	-19907	1	Si
102	0.248	7.6	0	520	SLD 9	520	6102	35398	19907	19907	1	Si
102	0.248	7.6	0	-9313	SLD 7	-9313	-6102	-35398	-19907	-19907	1	Si
106	0.248	7.6	0	503	SLD 9	503	6102	35398	19907	19907	1	Si
106	0.248	7.6	0	-9329	SLD 7	-9329	-6102	-35398	-19907	-19907	1	Si
110	0.248	7.6	0	488	SLD 9	488	6102	35398	19907	19907	1	Si
110	0.248	7.6	0	-9344	SLD 7	-9344	-6102	-35398	-19907	-19907	1	Si
115	0	7.6	0	470	SLD 9	470	6102	35398	0	6102	1	Si
115	0	7.6	0	-9362	SLD 7	-9362	-6102	-35398	0	-6102	1	Si
124	0	7.6	0	437	SLD 9	437	6102	35398	0	6102	1	Si
124	0	7.6	0	-9395	SLD 7	-9395	-6102	-35398	0	-6102	1	Si
132	0	7.6	0	404	SLD 9	404	6102	35398	0	6102	1	Si
132	0	7.6	0	-9429	SLD 7	-9429	-6102	-35398	0	-6102	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	396834	3	342857	32.1	124.5	1129.8	1837	371694	2	321492	30.1	93.4	0	+∞	Si
9	358550	3	335973	31.4	124.5	1107.1	1837	336077	2	315079	29.5	93.4	0	+∞	Si
18	319973	3	315321	29.5	124.5	1039.1	1837	300168	2	295841	27.7	93.4	0	+∞	Si
25	287716	3	287716	26.9	124.5	948.1	1837	270127	2	270127	25.3	93.4	0	+∞	Si
35	241941	3	287716	26.9	124.5	948.1	1837	227473	2	270127	25.3	93.4	0	+∞	Si
40	222250	3	287716	26.9	124.5	948.1	1837	209116	2	270127	25.3	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
49	182649	3	272194	25.5	124.5	897	1837	172183	2	255666	23.9	93.4	0	+∞	Si
57	142762	2	232965	21.8	124.5	767.7	1837	134957	2	219105	20.5	93.4	0	+∞	Si
66	102609	2	193443	18.1	124.5	637.4	1837	97439	2	182251	17.1	93.4	0	+∞	Si
75	62164	2	153629	14.4	124.5	506.2	1837	59628	2	145105	13.6	93.4	0	+∞	Si
84	21671	1	113554	10.6	124.5	374.2	1837	21671	1	107666	10.1	93.4	0	+∞	Si
93	-19746	3	-100784	9.4	124.5	332.1	1837	-16872	2	-92700	8.7	93.4	0	+∞	Si
102	-61103	3	-100784	9.4	124.5	332.1	1837	-55561	2	-92700	8.7	93.4	0	+∞	Si
106	-81891	3	-100784	9.4	124.5	332.1	1837	-75015	2	-92700	8.7	93.4	0	+∞	Si
110	-100784	3	-100784	9.4	124.5	332.1	1837	-92700	2	-92700	8.7	93.4	0	+∞	Si
115	-123686	3	-121190	11.3	124.5	399.4	1837	-114142	2	-111803	10.5	93.4	0	+∞	Si
124	-165775	3	-145795	13.6	124.5	480.4	1837	-153563	2	-134837	12.6	93.4	0	+∞	Si
132	-208155	3	-153997	14.4	124.5	507.5	1837	-193276	2	-142515	13.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
9	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
18	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
25	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
35	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
40	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
44	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
49	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
57	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
66	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
75	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
84	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
93	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
102	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
106	0	0	0.001	0.001	0	0	0.001	0.001	0	0	0.001	2	0.001	2	9999	Si
110	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
115	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
124	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
25	-4109	-13999	-19907	SLV 7	0.41	956	1.128	270127	651482	644450	SLV 7	0.22	204	0.599	No
35	-4148	-13999	-19907	SLV 7	0.41	950	1.126	270127	651482	644450	SLV 7	0.22	204	0.599	No
40	-4165	-13999	-19907	SLV 7	0.41	947	1.124	270127	651482	644450	SLV 7	0.22	204	0.599	No
49	-4198	-13999	-19907	SLV 7	0.41	943	1.122	255666	612656	644450	SLV 7	0.24	254	0.655	No
57	-4231	-13999	-19907	SLV 7	0.41	938	1.12	219105	515120	644450	SLV 7	0.3	450	0.829	No
66	-4264	-13999	-19907	SLV 7	0.4	933	1.117	182251	417728	644450	SLV 7	0.4	911	1.106	Si
75	-4297	-13999	-19907	SLV 7	0.4	928	1.115	145105	320527	644450	SLV 7	0.55	2250	1.603	Si
84	-4330	-13999	-19907	SLV 7	0.4	923	1.112	107666	223575	644450	SLV 7	0.57	2474	1.666	Si
93	-4363	-13999	-19907	SLV 7	0.4	918	1.11	-92700	-305914	-644450	SLV 11	0.57	2474	1.666	Si
102	-4396	-13999	-19907	SLV 7	0.4	914	1.108	-92700	-305914	-644450	SLV 11	0.57	2474	1.666	Si
106	-4413	-13999	-19907	SLV 7	0.4	911	1.106	-92700	-305914	-644450	SLV 11	0.57	2474	1.666	Si
110	-4428	-13999	-19907	SLV 7	0.4	909	1.105	-92700	-305914	-644450	SLV 11	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
25	-4109	-4916	-19907	SLD 7	0.43	1101	3.009	270127	288288	644450	SLD 7	0.18	140	1.292	Si
35	-4148	-4916	-19907	SLD 7	0.43	1093	3	270127	288288	644450	SLD 7	0.18	140	1.292	Si
40	-4165	-4916	-19907	SLD 7	0.43	1091	2.997	270127	288288	644450	SLD 7	0.18	140	1.292	Si
49	-4198	-4916	-19907	SLD 7	0.43	1085	2.991	255666	271107	644450	SLD 7	0.2	173	1.409	Si
57	-4231	-4916	-19907	SLD 7	0.43	1078	2.983	219105	227947	644450	SLD 7	0.26	306	1.78	Si
66	-4264	-4916	-19907	SLD 7	0.43	1072	2.976	182251	184851	644450	SLD 7	0.34	591	2.331	Si
75	-4297	-4916	-19907	SLD 7	0.43	1065	2.968	145105	141839	644450	SLD 7	0.47	1403	3.323	Si
84	-4330	-4916	-19907	SLD 7	0.42	1059	2.961	107666	98937	644450	SLD 7	0.6	2474	4.193	Si
93	-4363	-4916	-19907	SLD 7	0.42	1054	2.955	-92700	-135366	-644450	SLD 11	0.54	2074	3.9	Si
102	-4396	-4916	-19907	SLD 7	0.42	1048	2.948	-92700	-135366	-644450	SLD 11	0.54	2074	3.9	Si
106	-4413	-4916	-19907	SLD 7	0.42	1045	2.945	-92700	-135366	-644450	SLD 11	0.54	2074	3.9	Si
110	-4428	-4916	-19907	SLD 7	0.42	1041	2.94	-92700	-135366	-644450	SLD 11	0.54	2074	3.9	Si

Campata 2 tra i fili 25D - ?, sezione R 30x50, asta 717

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	1088458	SLU 29	779588	644450	0.121						No
4	7.6	5.4	7.6	5.4	983178	SLU 29	770587	644450	0.121						No
8	7.6	5.4	7.6	5.4	877826	SLU 29	743584	644450	0.121						No
12	7.6	5.4	7.6	5.4	772403	SLU 29	698578	644450	0.121						No
15	7.6	5.4	7.6	5.4	666909	SLU 29	635571	644450	0.121						Si
17	7.6	5.4	7.6	5.4	614134	SLU 29	597317	644450	0.121						Si
21	7.6	5.4	7.6	5.4	508532	SLU 29	507306	644450	0.121						Si
23	7.6	5.4	7.6	5.4	469486	SLU 29	469486	644450	0.121						Si
25	7.6	5.4	7.6	5.4	402859	SLU 29	469486	644450	0.121						Si
29	7.6	5.4	7.6	5.4	297113	SLU 29	469486	644450	0.121						Si
33	7.6	5.4	7.6	5.4	193597	SLU 29	469486	644450	0.121						Si
36	7.6	5.4	7.6	5.4	85407	SLU 29	85407	644450	0.121						Si
40	7.6	5.4	7.6	5.4						-33274	SLU 35	-14910	-644450	0.121	Si
44	7.6	5.4	7.6	5.4						-132810	SLU 36	-60932	-644450	0.121	Si
46	7.6	5.4	7.6	5.4						-184032	SLU 36	-86399	-644450	0.121	Si
50	7.6	5.4	7.6	5.4						-288881	SLU 30	-125580	-644450	0.121	Si
54	7.6	5.4	7.6	5.4						-395242	SLU 30	-149088	-644450	0.121	Si
58	7.6	5.4	7.6	5.4						-501674	SLU 30	-156925	-644450	0.121	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	2789926	SLV 11	2283254	644450	0.121	-1264368	SLV 5	-1191576	-644450	0.121	No
4	7.6	5.4	7.6	5.4	2619747	SLV 11	2269029	644450	0.121	-1242084	SLV 5	-1190001	-644450	0.121	No
8	7.6	5.4	7.6	5.4	2449725	SLV 11	2226357	644450	0.121	-1220067	SLV 5	-1185275	-644450	0.121	No
12	7.6	5.4	7.6	5.4	2279857	SLV 11	2155235	644450	0.121	-1198315	SLV 5	-1177398	-644450	0.121	No
15	7.6	5.4	7.6	5.4	2110136	SLV 11	2055665	644450	0.121	-1176819	SLV 5	-1166370	-644450	0.121	No
17	7.6	5.4	7.6	5.4	2025328	SLV 11	1995212	644450	0.121	-1166165	SLV 5	-1159674	-644450	0.121	No

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
21	7.6	5.4	7.6	5.4	1855813	SLV 11	1852969	644450	0.121	-1145041	SLV 5	-1143920	-644450	0.121	No
23	7.6	5.4	7.6	5.4	1793201	SLV 11	1793201	644450	0.121	-1137300	SLV 5	-1137300	-644450	0.121	No
25	7.6	5.4	7.6	5.4	1686424	SLV 11	1793201	644450	0.121	-1124153	SLV 5	-1137300	-644450	0.121	No
29	7.6	5.4	7.6	5.4	1517151	SLV 11	1793201	644450	0.121	-1103493	SLV 5	-1137300	-644450	0.121	No
33	7.6	5.4	7.6	5.4	1351663	SLV 11	1793201	644450	0.121	-1083492	SLV 5	-1137300	-644450	0.121	No
36	7.6	5.4	7.6	5.4	1178919	SLV 11	1178919	644450	0.121	-1062813	SLV 5	-1062813	-644450	0.121	No
40	7.6	5.4	7.6	5.4	1009939	SLV 11	1009939	644450	0.121	-1042776	SLV 5	-1042776	-644450	0.121	No
44	7.6	5.4	7.6	5.4	841040	SLV 11	841040	644450	0.121	-1022929	SLV 5	-1022929	-644450	0.121	No
46	7.6	5.4	7.6	5.4	756619	SLV 11	756619	644450	0.121	-1013075	SLV 5	-1013075	-644450	0.121	No
50	7.6	5.4	7.6	5.4	587828	SLV 11	587828	644450	0.121	-993501	SLV 5	-993501	-644450	0.121	No
54	7.6	5.4	7.6	5.4	419104	SLV 11	419104	644450	0.121	-974106	SLV 5	-974106	-644450	0.121	No
58	7.6	5.4	7.6	5.4	250451	SLV 11	250451	644450	0.121	-954890	SLV 5	-954890	-644450	0.121	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	1659826	SLD 11	1314694	644450	0.121	-134268	SLD 5	-134268	-644450	0.121	No
4	7.6	5.4	7.6	5.4	1543296	SLD 11	1304873	644450	0.121	-165633	SLD 5	-165633	-644450	0.121	No
8	7.6	5.4	7.6	5.4	1426806	SLD 11	1275411	644450	0.121	-197148	SLD 5	-197148	-644450	0.121	No
12	7.6	5.4	7.6	5.4	1310352	SLD 11	1226309	644450	0.121	-228810	SLD 5	-228810	-644450	0.121	No
15	7.6	5.4	7.6	5.4	1193932	SLD 11	1157565	644450	0.121	-260616	SLD 5	-260616	-644450	0.121	No
17	7.6	5.4	7.6	5.4	1135734	SLD 11	1115828	644450	0.121	-276572	SLD 5	-276572	-644450	0.121	No
21	7.6	5.4	7.6	5.4	1019360	SLD 11	1017623	644450	0.121	-308588	SLD 5	-308574	-644450	0.121	No
23	7.6	5.4	7.6	5.4	976359	SLD 11	976359	644450	0.121	-320458	SLD 5	-404725	-644450	0.121	No
25	7.6	5.4	7.6	5.4	903010	SLD 11	976359	644450	0.121	-340739	SLD 5	-404725	-644450	0.121	No
29	7.6	5.4	7.6	5.4	786681	SLD 11	976359	644450	0.121	-373022	SLD 5	-404725	-644450	0.121	No
33	7.6	5.4	7.6	5.4	672896	SLD 11	976359	644450	0.121	-404725	SLD 5	-404725	-644450	0.121	No
36	7.6	5.4	7.6	5.4	554067	SLD 11	554067	644450	0.121	-437962	SLD 5	-436127	-644450	0.121	Si
40	7.6	5.4	7.6	5.4	437775	SLD 11	437775	644450	0.121	-470611	SLD 5	-461693	-644450	0.121	Si
44	7.6	5.4	7.6	5.4	321487	SLD 11	321487	644450	0.121	-503376	SLD 5	-482145	-644450	0.121	Si
46	7.6	5.4	7.6	5.4	263344	SLD 11	263344	644450	0.121	-519800	SLD 5	-490454	-644450	0.121	Si
50	7.6	5.4	7.6	5.4	147058	SLD 11	147058	644450	0.121	-552731	SLD 5	-503236	-644450	0.121	Si
54	7.6	5.4	7.6	5.4	30770	SLD 11	30770	644450	0.121	-585771	SLD 5	-510906	-644450	0.121	Si
58	7.6	5.4	7.6	5.4						-618922	SLD 5	-513462	-644450	0.121	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-27494	SLU 30	-27494	-6102	-35398	0	-6102	1	Si
4	0	7.6	0	-27513	SLU 30	-27513	-6102	-35398	0	-6102	1	Si
8	0	7.6	0	-27531	SLU 30	-27531	-6102	-35398	0	-6102	1	Si
12	0	7.6	0	-27550	SLU 30	-27550	-6102	-35398	0	-6102	1	Si
15	0	7.6	0	-27569	SLU 30	-27569	-6102	-35398	0	-6102	1	Si
17	0	7.6	0	-27578	SLU 30	-27578	-6102	-35398	0	-6102	1	Si
21	0	7.6	0	-27597	SLU 30	-27597	-6102	-35398	0	-6102	1	Si
23	0.704	7.6	0	-27604	SLU 30	-27604	-6102	-35398	-56403	-35398	1	Si
25	0.704	7.6	0	-27616	SLU 30	-27616	-6102	-35398	-56403	-35398	1	Si
29	0.704	7.6	0	-27634	SLU 30	-27634	-6102	-35398	-56403	-35398	1	Si
33	0.704	7.6	0	-27653	SLU 30	-27653	-6102	-35398	-56403	-35398	1	Si
36	0	7.6	0	-27672	SLU 30	-27672	-6102	-35398	0	-6102	1	Si
40	0	7.6	0	-27690	SLU 30	-27690	-6102	-35398	0	-6102	1	Si
44	0	7.6	0	-27709	SLU 30	-27709	-6102	-35398	0	-6102	1	Si
46	0	7.6	0	-27718	SLU 30	-27718	-6102	-35398	0	-6102	1	Si
50	0	7.6	0	-27737	SLU 30	-27737	-6102	-35398	0	-6102	1	Si
54	0	7.6	0	-27756	SLU 30	-27756	-6102	-35398	0	-6102	1	Si
58	0	7.6	0	-27774	SLU 30	-27774	-6102	-35398	0	-6102	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	6891	SLV 9	13697	6102	35398	0	6102	1	Si
0	0	7.6	0	-45458	SLV 7	-52264	-6102	-35398	0	-6102	1	Si
4	0	7.6	0	6877	SLV 9	13683	6102	35398	0	6102	1	Si
4	0	7.6	0	-45473	SLV 7	-52278	-6102	-35398	0	-6102	1	Si
8	0	7.6	0	6863	SLV 9	13668	6102	35398	0	6102	1	Si
8	0	7.6	0	-45487	SLV 7	-52293	-6102	-35398	0	-6102	1	Si
12	0	7.6	0	6848	SLV 9	13654	6102	35398	0	6102	1	Si
12	0	7.6	0	-45502	SLV 7	-52307	-6102	-35398	0	-6102	1	Si
15	0	7.6	0	6834	SLV 9	13639	6102	35398	0	6102	1	Si
15	0	7.6	0	-45516	SLV 7	-52321	-6102	-35398	0	-6102	1	Si
17	0	7.6	0	6827	SLV 9	13632	6102	35398	0	6102	1	Si
17	0	7.6	0	-45523	SLV 7	-52329	-6102	-35398	0	-6102	1	Si
21	0	7.6	0	6812	SLV 9	13618	6102	35398	0	6102	1	Si
21	0	7.6	0	-45537	SLV 7	-52343	-6102	-35398	0	-6102	1	Si
23	0.704	7.6	0	6807	SLV 9	13613	6102	35398	56403	35398	1	Si
23	0.704	7.6	0	-45543	SLV 7	-52348	-6102	-35398	-56403	-35398	1	No
25	0.704	7.6	0	6798	SLV 9	13603	6102	35398	56403	35398	1	Si
25	0.704	7.6	0	-45552	SLV 7	-52357	-6102	-35398	-56403	-35398	1	No
29	0.704	7.6	0	6784	SLV 9	13589	6102	35398	56403	35398	1	Si
29	0.704	7.6	0	-45566	SLV 7	-52372	-6102	-35398	-56403	-35398	1	No
33	0.704	7.6	0	6770	SLV 9	13575	6102	35398	56403	35398	1	Si
33	0.704	7.6	0	-45580	SLV 7	-52386	-6102	-35398	-56403	-35398	1	No
36	0	7.6	0	6755	SLV 9	13560	6102	35398	0	6102	1	Si
36	0	7.6	0	-45595	SLV 7	-52400	-6102	-35398	0	-6102	1	Si
40	0	7.6	0	6741	SLV 9	13546	6102	35398	0	6102	1	Si
40	0	7.6	0	-45609	SLV 7	-52415	-6102	-35398	0	-6102	1	Si
44	0	7.6	0	6726	SLV 9	13532	6102	35398	0	6102	1	Si
44	0	7.6	0	-45624	SLV 7	-52429	-6102	-35398	0	-6102	1	Si
46	0	7.6	0	6719	SLV 9	13524	6102	35398	0	6102	1	Si
46	0	7.6	0	-45631	SLV 7	-52436	-6102	-35398	0	-6102	1	Si
50	0	7.6	0	6705	SLV 9	13510	6102	35398	0	6102	1	Si
50	0	7.6	0	-45645	SLV 7	-52451	-6102	-35398	0	-6102	1	Si
54	0	7.6	0	6690	SLV 9	13496	6102	35398	0	6102	1	Si
54	0	7.6	0	-45660	SLV 7	-52465	-6102	-35398	0	-6102	1	Si
58	0	7.6	0	6676	SLV 9	13481	6102	35398	0	6102	1	Si
58	0	7.6	0	-45674	SLV 7	-52479	-6102	-35398	0	-6102	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-30866	SLD 7	-30866	-6102	-35398	0	-6102	1	Si
4	0	7.6	0	-30881	SLD 7	-30881	-6102	-35398	0	-6102	1	Si
8	0	7.6	0	-30895	SLD 7	-30895	-6102	-35398	0	-6102	1	Si
12	0	7.6	0	-30909	SLD 7	-30909	-6102	-35398	0	-6102	1	Si
15	0	7.6	0	-30924	SLD 7	-30924	-6102	-35398	0	-6102	1	Si
17	0	7.6	0	-30931	SLD 7	-30931	-6102	-35398	0	-6102	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
21	0	7.6	0	-30945	SLD 7	-30945	-6102	-35398	0	-6102	1	Si
23	0.704	7.6	0	-30951	SLD 7	-30951	-6102	-35398	-56403	-35398	1	Si
25	0.704	7.6	0	-30960	SLD 7	-30960	-6102	-35398	-56403	-35398	1	Si
29	0.704	7.6	0	-30974	SLD 7	-30974	-6102	-35398	-56403	-35398	1	Si
33	0.704	7.6	0	-30988	SLD 7	-30988	-6102	-35398	-56403	-35398	1	Si
36	0	7.6	0	-31003	SLD 7	-31003	-6102	-35398	0	-6102	1	Si
40	0	7.6	0	-31017	SLD 7	-31017	-6102	-35398	0	-6102	1	Si
44	0	7.6	0	-31032	SLD 7	-31032	-6102	-35398	0	-6102	1	Si
46	0	7.6	0	-31039	SLD 7	-31039	-6102	-35398	0	-6102	1	Si
50	0	7.6	0	-31053	SLD 7	-31053	-6102	-35398	0	-6102	1	Si
54	0	7.6	0	-31068	SLD 7	-31068	-6102	-35398	0	-6102	1	Si
58	0	7.6	0	-31082	SLD 7	-31082	-6102	-35398	0	-6102	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	806913	2	577941	54.1	124.5	1904.5	1837	762779	2	545839	51.1	93.4	0	+∞	Si
4	728866	2	571268	53.5	124.5	1882.5	1837	688832	2	539514	50.5	93.4	0	+∞	Si
8	650764	2	551247	51.6	124.5	1816.5	1837	614829	2	520541	48.7	93.4	0	+∞	Si
12	572606	2	517878	48.5	124.5	1706.5	1837	540771	2	488919	45.8	93.4	0	+∞	Si
15	494394	2	471163	44.1	124.5	1552.6	1837	466658	2	444648	41.6	93.4	0	+∞	Si
17	455267	2	442800	41.4	124.5	1459.1	1837	429581	2	417769	39.1	93.4	0	+∞	Si
21	376972	2	376063	35.2	124.5	1239.2	1837	355386	2	354524	33.2	93.4	0	+∞	Si
23	348021	2	348021	32.6	124.5	1146.8	1837	327950	2	327950	30.7	93.4	0	+∞	Si
25	298622	2	348021	32.6	124.5	1146.8	1837	281135	2	327950	30.7	93.4	0	+∞	Si
29	220216	2	348021	32.6	124.5	1146.8	1837	206829	2	327950	30.7	93.4	0	+∞	Si
33	143462	2	348021	32.6	124.5	1146.8	1837	134086	2	327950	30.7	93.4	0	+∞	Si
36	63240	2	63240	5.9	124.5	208.4	1837	58053	2	58053	5.4	93.4	0	+∞	Si
40	-23811	8	-9377	0.9	124.5	30.9	1837	-18050	1	-7005	0.7	93.4	0	+∞	Si
44	-98106	9	-44610	4.2	124.5	147	1837	-90944	2	-38619	3.6	93.4	0	+∞	Si
46	-136226	9	-63562	5.9	124.5	209.5	1837	-128228	2	-57154	5.3	93.4	0	+∞	Si
50	-214074	3	-92718	8.7	124.5	305.5	1837	-202837	2	-85669	8	93.4	0	+∞	Si
54	-292937	3	-110212	10.3	124.5	363.2	1837	-277501	2	-102778	9.6	93.4	0	+∞	Si
58	-371856	3	-116043	10.9	124.5	382.4	1837	-352220	2	-108481	10.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
4	0	0	0.001	0.001	0	0	0.001	0.001	0	0	0.002	2	0.001	2	9999	Si
8	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
12	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
15	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
17	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.004	2	0.003	2	9999	Si
21	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
23	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
25	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
29	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
33	0	0	0.001	0.001	0	0	0.001	0.001	0	0	0.003	2	0.002	2	9999	Si
36	0	0	0.001	0.001	0	0	0.001	0.001	0	0	0.002	2	0.002	2	9999	Si
40	0	0	0.001	0.001	0	0	0.001	0.001	0	0	0.002	1	0.001	1	9999	Si
44	0	-0.001	0.001	0	0	-0.001	0	0	0	-0.001	0.001	1	0.001	1	9999	Si
46	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
50	0	0	0	0	0	0	0	0	0	0	0.001	1	0	1	9999	Si
54	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-19368	-32980	-35398	SLV 7	0.18	144	0.519	327950	1465251	644450	SLV 11	0.08	29	0.269	No
25	-19377	-32980	-35398	SLV 7	0.18	144	0.519	327950	1465251	644450	SLV 11	0.08	29	0.269	No
29	-19391	-32980	-35398	SLV 7	0.18	143	0.518	327950	1465251	644450	SLV 11	0.08	29	0.269	No
33	-19405	-32980	-35398	SLV 7	0.18	143	0.518	134086	1217578	644450	SLV 11	0.16	106	0.458	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
23	-19368	-11583	-35398	SLD 7	0.19	161	1.368	327950	648408	644450	SLD 11	0.07	19	0.57	No
25	-19377	-11583	-35398	SLD 7	0.19	161	1.368	327950	648408	644450	SLD 11	0.07	19	0.57	No
29	-19391	-11583	-35398	SLD 7	0.19	159	1.361	327950	648408	644450	SLD 11	0.07	19	0.57	No
33	-19405	-11583	-35398	SLD 7	0.19	159	1.361	134086	538811	644450	SLD 11	0.13	74	0.995	No

Campata 3 tra i fili ? - 29A, sezione R 30x50, asta 718

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	299736	SLU 30	246478	644450	0.121						Si
9	7.6	5.4	7.6	5.4	262630	SLU 30	239893	644450	0.121						Si
17	7.6	5.4	7.6	5.4	225153	SLU 30	220137	644450	0.121						Si
25	7.6	5.4	7.6	5.4	191682	SLU 30	191682	644450	0.121						Si
35	7.6	5.4	7.6	5.4	149236	SLU 29	191682	644450	0.121						Si
39	7.6	5.4	7.6	5.4	130143	SLU 29	191682	644450	0.121						Si
48	7.6	5.4	7.6	5.4	91679	SLU 29	180280	644450	0.121	55335	SLU 8	-4913	-644450	0.121	Si
56	7.6	5.4	7.6	5.4	52844	SLU 29	142201	644450	0.121	30613	SLU 8	-41966	-644450	0.121	Si
65	7.6	5.4	7.6	5.4	15197	SLU 20	103854	644450	0.121	4044	SLU 17	-81295	-644450	0.121	Si
74	7.6	5.4	7.6	5.4	-15024	SLU 1	65136	644450	0.121	-29614	SLU 36	-121345	-644450	0.121	Si
82	7.6	5.4	7.6	5.4	-39544	SLU 1	26615	644450	0.121	-68825	SLU 36	-162476	-644450	0.121	Si
91	7.6	5.4	7.6	5.4						-108423	SLU 30	-198836	-644450	0.121	Si
100	7.6	5.4	7.6	5.4						-149437	SLU 30	-198836	-644450	0.121	Si
104	7.6	5.4	7.6	5.4						-170083	SLU 30	-198836	-644450	0.121	Si
110	7.6	5.4	7.6	5.4						-198836	SLU 30	-198836	-644450	0.121	Si
113	7.6	5.4	7.6	5.4						-211656	SLU 30	-210795	-644450	0.121	Si
121	7.6	5.4	7.6	5.4						-253602	SLU 30	-237864	-644450	0.121	Si
130	7.6	5.4	7.6	5.4						-295921	SLU 30	-246887	-644450	0.121	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	1339831	SLV 7	1092792	644450	0.121	-925330	SLV 9	-751141	-644450	0.121	No
9	7.6	5.4	7.6	5.4	1168178	SLV 7	1062896	644450	0.121	-804463	SLV 9	-730284	-644450	0.121	No

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
17	7.6	5.4	7.6	5.4	996281	SLV 7	973209	644450	0.121	-683924	SLV 9	-667714	-644450	0.121	No
25	7.6	5.4	7.6	5.4	844029	SLV 7	844029	644450	0.121	-577592	SLV 9	-577592	-644450	0.121	No
35	7.6	5.4	7.6	5.4	651863	SLV 7	844029	644450	0.121	-443933	SLV 9	-577592	-644450	0.121	No
39	7.6	5.4	7.6	5.4	565664	SLV 7	844029	644450	0.121	-384199	SLV 9	-577592	-644450	0.121	No
48	7.6	5.4	7.6	5.4	393248	SLV 7	792428	644450	0.121	-265139	SLV 9	-541644	-644450	0.121	No
56	7.6	5.4	7.6	5.4	221003	SLV 7	620102	644450	0.121	-146824	SLV 9	-421924	-644450	0.121	Si
65	7.6	5.4	7.6	5.4	49526	SLV 7	447689	644450	0.121	-29847	SLV 9	-363888	-644450	0.121	Si
74	7.6	5.4	7.6	5.4	102072	SLV 5	363603	644450	0.121	-137465	SLV 11	-528745	-644450	0.121	Si
82	7.6	5.4	7.6	5.4	218248	SLV 5	489475	644450	0.121	-309285	SLV 11	-711587	-644450	0.121	No
91	7.6	5.4	7.6	5.4	335213	SLV 5	592214	644450	0.121	-482467	SLV 11	-864734	-644450	0.121	No
100	7.6	5.4	7.6	5.4	452449	SLV 9	592214	644450	0.121	-656493	SLV 7	-864734	-644450	0.121	No
104	7.6	5.4	7.6	5.4	511077	SLV 9	592214	644450	0.121	-743731	SLV 7	-864734	-644450	0.121	No
110	7.6	5.4	7.6	5.4	592214	SLV 9	592214	644450	0.121	-864734	SLV 7	-864734	-644450	0.121	No
113	7.6	5.4	7.6	5.4	628260	SLV 9	625964	644450	0.121	-918562	SLV 7	-915071	-644450	0.121	No
121	7.6	5.4	7.6	5.4	745277	SLV 9	702354	644450	0.121	-1093800	SLV 7	-1029003	-644450	0.121	No
130	7.6	5.4	7.6	5.4	862080	SLV 9	727817	644450	0.121	-1269398	SLV 7	-1066981	-644450	0.121	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	708436	SLD 7	578812	644450	0.121	-293934	SLD 9	-237161	-644450	0.121	Si
9	7.6	5.4	7.6	5.4	618321	SLD 7	563063	644450	0.121	-254606	SLD 9	-230451	-644450	0.121	Si
17	7.6	5.4	7.6	5.4	527939	SLD 7	515817	644450	0.121	-215581	SLD 9	-210321	-644450	0.121	Si
25	7.6	5.4	7.6	5.4	447766	SLD 7	447766	644450	0.121	-181328	SLD 9	-181328	-644450	0.121	Si
35	7.6	5.4	7.6	5.4	346421	SLD 7	447766	644450	0.121	-138492	SLD 9	-181328	-644450	0.121	Si
39	7.6	5.4	7.6	5.4	300901	SLD 7	447766	644450	0.121	-119435	SLD 9	-181328	-644450	0.121	Si
48	7.6	5.4	7.6	5.4	209731	SLD 7	420568	644450	0.121	-81622	SLD 9	-169785	-644450	0.121	Si
56	7.6	5.4	7.6	5.4	118478	SLD 7	329649	644450	0.121	-44298	SLD 9	-131470	-644450	0.121	Si
65	7.6	5.4	7.6	5.4	27402	SLD 7	238531	644450	0.121	-7723	SLD 9	-191335	-644450	0.121	Si
74	7.6	5.4	7.6	5.4	35301	SLD 5	147293	644450	0.121	-70694	SLD 11	-280011	-644450	0.121	Si
82	7.6	5.4	7.6	5.4	71199	SLD 5	154683	644450	0.121	-162237	SLD 11	-376795	-644450	0.121	Si
91	7.6	5.4	7.6	5.4	107287	SLD 5	186095	644450	0.121	-254541	SLD 11	-458615	-644450	0.121	Si
100	7.6	5.4	7.6	5.4	143335	SLD 9	186095	644450	0.121	-347379	SLD 7	-458615	-644450	0.121	Si
104	7.6	5.4	7.6	5.4	161304	SLD 9	186095	644450	0.121	-393957	SLD 7	-458615	-644450	0.121	Si
110	7.6	5.4	7.6	5.4	186095	SLD 9	186095	644450	0.121	-458615	SLD 7	-458615	-644450	0.121	Si
113	7.6	5.4	7.6	5.4	197089	SLD 9	196406	644450	0.121	-487391	SLD 7	-485513	-644450	0.121	Si
121	7.6	5.4	7.6	5.4	232641	SLD 9	219745	644450	0.121	-581164	SLD 7	-546395	-644450	0.121	Si
130	7.6	5.4	7.6	5.4	267940	SLD 9	227524	644450	0.121	-675257	SLD 7	-566688	-644450	0.121	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-4260	SLU 30	-4260	-6102	-35398	0	-6102	1	Si
9	0	7.6	0	-4303	SLU 30	-4303	-6102	-35398	0	-6102	1	Si
17	0	7.6	0	-4346	SLU 30	-4346	-6102	-35398	0	-6102	1	Si
25	0.319	7.6	0	-4384	SLU 30	-4384	-6102	-35398	-25595	-25595	1	Si
35	0.319	7.6	0	-4432	SLU 30	-4432	-6102	-35398	-25595	-25595	1	Si
39	0.319	7.6	0	-4453	SLU 30	-4453	-6102	-35398	-25595	-25595	1	Si
48	0.319	7.6	0	-4496	SLU 30	-4496	-6102	-35398	-25595	-25595	1	Si
56	0.319	7.6	0	-4539	SLU 30	-4539	-6102	-35398	-25595	-25595	1	Si
65	0.319	7.6	0	-4582	SLU 30	-4582	-6102	-35398	-25595	-25595	1	Si
74	0.319	7.6	0	-4625	SLU 30	-4625	-6102	-35398	-25595	-25595	1	Si
82	0.319	7.6	0	-4668	SLU 30	-4668	-6102	-35398	-25595	-25595	1	Si
91	0.319	7.6	0	-4711	SLU 30	-4711	-6102	-35398	-25595	-25595	1	Si
100	0.319	7.6	0	-4754	SLU 30	-4754	-6102	-35398	-25595	-25595	1	Si
104	0.319	7.6	0	-4775	SLU 30	-4775	-6102	-35398	-25595	-25595	1	Si
110	0.319	7.6	0	-4805	SLU 30	-4805	-6102	-35398	-25595	-25595	1	Si
113	0	7.6	0	-4818	SLU 30	-4818	-6102	-35398	0	-6102	1	Si
121	0	7.6	0	-4861	SLU 30	-4861	-6102	-35398	0	-6102	1	Si
130	0	7.6	0	-4905	SLU 30	-4905	-6102	-35398	0	-6102	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	13979	SLV 9	18371	6102	35398	0	6102	1	Si
0	0	7.6	0	-19806	SLV 7	-24198	-6102	-35398	0	-6102	1	Si
9	0	7.6	0	13946	SLV 9	18338	6102	35398	0	6102	1	Si
9	0	7.6	0	-19839	SLV 7	-24231	-6102	-35398	0	-6102	1	Si
17	0	7.6	0	13913	SLV 9	18305	6102	35398	0	6102	1	Si
17	0	7.6	0	-19872	SLV 7	-24264	-6102	-35398	0	-6102	1	Si
25	0.319	7.6	0	13884	SLV 9	18276	6102	35398	25595	25595	1	Si
25	0.319	7.6	0	-19901	SLV 7	-24293	-6102	-35398	-25595	-25595	1	Si
35	0.319	7.6	0	13847	SLV 9	18239	6102	35398	25595	25595	1	Si
35	0.319	7.6	0	-19938	SLV 7	-24330	-6102	-35398	-25595	-25595	1	Si
39	0.319	7.6	0	13831	SLV 9	18223	6102	35398	25595	25595	1	Si
39	0.319	7.6	0	-19954	SLV 7	-24346	-6102	-35398	-25595	-25595	1	Si
48	0.319	7.6	0	13798	SLV 9	18190	6102	35398	25595	25595	1	Si
48	0.319	7.6	0	-19987	SLV 7	-24379	-6102	-35398	-25595	-25595	1	Si
56	0.319	7.6	0	13765	SLV 9	18157	6102	35398	25595	25595	1	Si
56	0.319	7.6	0	-20020	SLV 7	-24412	-6102	-35398	-25595	-25595	1	Si
65	0.319	7.6	0	13732	SLV 9	18124	6102	35398	25595	25595	1	Si
65	0.319	7.6	0	-20053	SLV 7	-24445	-6102	-35398	-25595	-25595	1	Si
74	0.319	7.6	0	13699	SLV 9	18091	6102	35398	25595	25595	1	Si
74	0.319	7.6	0	-20086	SLV 7	-24478	-6102	-35398	-25595	-25595	1	Si
82	0.319	7.6	0	13666	SLV 9	18058	6102	35398	25595	25595	1	Si
82	0.319	7.6	0	-20119	SLV 7	-24511	-6102	-35398	-25595	-25595	1	Si
91	0.319	7.6	0	13633	SLV 9	18025	6102	35398	25595	25595	1	Si
91	0.319	7.6	0	-20152	SLV 7	-24544	-6102	-35398	-25595	-25595	1	Si
100	0.319	7.6	0	13600	SLV 9	17992	6102	35398	25595	25595	1	Si
100	0.319	7.6	0	-20185	SLV 7	-24577	-6102	-35398	-25595	-25595	1	Si
104	0.319	7.6	0	13583	SLV 9	17975	6102	35398	25595	25595	1	Si
104	0.319	7.6	0	-20202	SLV 7	-24594	-6102	-35398	-25595	-25595	1	Si
110	0.319	7.6	0	13560	SLV 9	17952	6102	35398	25595	25595	1	Si
110	0.319	7.6	0	-20225	SLV 7	-24617	-6102	-35398	-25595	-25595	1	Si
113	0	7.6	0	13550	SLV 9	17942	6102	35398	0	6102	1	Si
113	0	7.6	0	-20235	SLV 7	-24627	-6102	-35398	0	-6102	1	Si
121	0	7.6	0	13517	SLV 9	17909	6102	35398	0	6102	1	Si
121	0	7.6	0	-20268	SLV 7	-24660	-6102	-35398	0	-6102	1	Si
130	0	7.6	0	13484	SLV 9	17876	6102	35398	0	6102	1	Si
130	0	7.6	0	-20301	SLV 7	-24693	-6102	-35398	0	-6102	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4562	SLD 9	4562	6102	35398	0	6102	1	Si
0	0	7.6	0	-10389	SLD 7	-10389	-6102	-35398	0	-6102	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
9	0	7.6	0	4529	SLD 9	4529	6102	35398	0	6102	1	Si
9	0	7.6	0	-10422	SLD 7	-10422	-6102	-35398	0	-6102	1	Si
17	0	7.6	0	4496	SLD 9	4496	6102	35398	0	6102	1	Si
17	0	7.6	0	-10455	SLD 7	-10455	-6102	-35398	0	-6102	1	Si
25	0.319	7.6	0	4467	SLD 9	4467	6102	35398	25595	25595	1	Si
25	0.319	7.6	0	-10484	SLD 7	-10484	-6102	-35398	-25595	-25595	1	Si
35	0.319	7.6	0	4430	SLD 9	4430	6102	35398	25595	25595	1	Si
35	0.319	7.6	0	-10520	SLD 7	-10520	-6102	-35398	-25595	-25595	1	Si
39	0.319	7.6	0	4413	SLD 9	4413	6102	35398	25595	25595	1	Si
39	0.319	7.6	0	-10537	SLD 7	-10537	-6102	-35398	-25595	-25595	1	Si
48	0.319	7.6	0	4380	SLD 9	4380	6102	35398	25595	25595	1	Si
48	0.319	7.6	0	-10570	SLD 7	-10570	-6102	-35398	-25595	-25595	1	Si
56	0.319	7.6	0	4347	SLD 9	4347	6102	35398	25595	25595	1	Si
56	0.319	7.6	0	-10603	SLD 7	-10603	-6102	-35398	-25595	-25595	1	Si
65	0.319	7.6	0	4314	SLD 9	4314	6102	35398	25595	25595	1	Si
65	0.319	7.6	0	-10636	SLD 7	-10636	-6102	-35398	-25595	-25595	1	Si
74	0.319	7.6	0	4281	SLD 9	4281	6102	35398	25595	25595	1	Si
74	0.319	7.6	0	-10669	SLD 7	-10669	-6102	-35398	-25595	-25595	1	Si
82	0.319	7.6	0	4248	SLD 9	4248	6102	35398	25595	25595	1	Si
82	0.319	7.6	0	-10702	SLD 7	-10702	-6102	-35398	-25595	-25595	1	Si
91	0.319	7.6	0	4215	SLD 9	4215	6102	35398	25595	25595	1	Si
91	0.319	7.6	0	-10735	SLD 7	-10735	-6102	-35398	-25595	-25595	1	Si
100	0.319	7.6	0	4182	SLD 9	4182	6102	35398	25595	25595	1	Si
100	0.319	7.6	0	-10768	SLD 7	-10768	-6102	-35398	-25595	-25595	1	Si
104	0.319	7.6	0	4166	SLD 9	4166	6102	35398	25595	25595	1	Si
104	0.319	7.6	0	-10784	SLD 7	-10784	-6102	-35398	-25595	-25595	1	Si
110	0.319	7.6	0	4143	SLD 9	4143	6102	35398	25595	25595	1	Si
110	0.319	7.6	0	-10807	SLD 7	-10807	-6102	-35398	-25595	-25595	1	Si
113	0	7.6	0	4133	SLD 9	4133	6102	35398	0	6102	1	Si
113	0	7.6	0	-10818	SLD 7	-10818	-6102	-35398	0	-6102	1	Si
121	0	7.6	0	4100	SLD 9	4100	6102	35398	0	6102	1	Si
121	0	7.6	0	-10851	SLD 7	-10851	-6102	-35398	0	-6102	1	Si
130	0	7.6	0	4067	SLD 9	4067	6102	35398	0	6102	1	Si
130	0	7.6	0	-10884	SLD 7	-10884	-6102	-35398	0	-6102	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	220722	3	181685	17	124.5	598.7	1837	207251	2	170826	16	93.4	0	+∞	Si
9	193518	3	176851	16.6	124.5	582.8	1837	181858	2	166306	15.6	93.4	0	+∞	Si
17	166027	3	162350	15.2	124.5	535	1837	156179	2	152748	14.3	93.4	0	+∞	Si
25	141464	3	141464	13.2	124.5	466.2	1837	133219	2	133219	12.5	93.4	0	+∞	Si
35	110291	2	141464	13.2	124.5	466.2	1837	103965	2	133219	12.5	93.4	0	+∞	Si
39	96257	2	141464	13.2	124.5	466.2	1837	90733	2	133219	12.5	93.4	0	+∞	Si
48	67976	2	133095	12.5	124.5	438.6	1837	64054	2	125392	11.7	93.4	0	+∞	Si
56	39409	2	105120	9.8	124.5	346.4	1837	37090	2	99089	9.3	93.4	0	+∞	Si
65	10557	2	76929	7.2	124.5	253.5	1837	9840	2	72501	6.8	93.4	0	+∞	Si
74	-21029	9	-88704	8.3	124.5	292.3	1837	-17697	2	-82571	7.7	93.4	0	+∞	Si
82	-49960	9	-119003	11.1	124.5	392.1	1837	-45519	2	-111056	10.4	93.4	0	+∞	Si
91	-79187	3	-145797	13.6	124.5	480.4	1837	-73627	2	-136260	12.8	93.4	0	+∞	Si
100	-109396	3	-145797	13.6	124.5	480.4	1837	-102022	2	-136260	12.8	93.4	0	+∞	Si
104	-124608	3	-145797	13.6	124.5	480.4	1837	-116327	2	-136260	12.8	93.4	0	+∞	Si
110	-145797	3	-145797	13.6	124.5	480.4	1837	-136260	2	-136260	12.8	93.4	0	+∞	Si
113	-155247	3	-154612	14.5	124.5	509.5	1837	-145151	2	-144553	13.5	93.4	0	+∞	Si
121	-186172	3	-174563	16.3	124.5	575.2	1837	-174262	2	-163325	15.3	93.4	0	+∞	Si
130	-217384	3	-181213	17	124.5	597.1	1837	-203659	2	-169582	15.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
9	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
17	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
25	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
30	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
35	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
39	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
48	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
56	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
65	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
74	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
82	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
91	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
100	0	-0.001	0	0	0	-0.001	0	0	0	-0.001	-0.001	1	-0.001	1	9999	Si
104	0	-0.001	0	0	0	-0.001	0	0	0	-0.001	-0.001	1	-0.001	1	9999	Si
110	0	-0.001	0	0	0	-0.001	0	0	0	-0.001	-0.001	1	-0.001	1	9999	Si
113	0	-0.001	0	0	0	-0.001	0	0	0	-0.001	-0.001	1	-0.001	1	9999	Si
121	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
25	-3009	-21285	-25595	SLV 7	0.39	822	1.061	133219	710811	644450	SLV 7	0.27	333	0.732	No
35	-3045	-21285	-25595	SLV 7	0.38	819	1.059	133219	710811	644450	SLV 7	0.27	333	0.732	No
39	-3062	-21285	-25595	SLV 7	0.38	818	1.059	133219	710811	644450	SLV 7	0.27	333	0.732	No
48	-3095	-21285	-25595	SLV 7	0.38	815	1.057	125392	667036	644450	SLV 7	0.29	396	0.786	No
56	-3128	-21285	-25595	SLV 7	0.38	812	1.055	99089	521013	644450	SLV 7	0.38	795	1.046	Si
65	-3161	-21285	-25595	SLV 7	0.38	809	1.054	72501	375188	644450	SLV 7	0.54	2123	1.565	Si
74	-3194	-21285	-25595	SLV 7	0.38	806	1.052	-82571	-446174	-644450	SLV 7	0.45	1275	1.27	Si
82	-3227	-21285	-25595	SLV 7	0.38	803	1.051	-111056	-600531	-644450	SLV 7	0.32	534	0.889	No
91	-3260	-21285	-25595	SLV 7	0.38	800	1.049	-136260	-728474	-644450	SLV 7	0.26	312	0.713	No
100	-3293	-21285	-25595	SLV 7	0.38	797	1.047	-136260	-728474	-644450	SLV 7	0.26	312	0.713	No
104	-3309	-21285	-25595	SLV 7	0.38	796	1.047	-136260	-728474	-644450	SLV 7	0.26	312	0.713	No
110	-3332	-21285	-25595	SLV 7	0.38	794	1.046	-136260	-728474	-644450	SLV 7	0.26	312	0.713	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
25	-3009	-7475	-25595	SLD 7	0.41	935	2.814	133219	314547	644450	SLD 7	0.22	226	1.572	Si
35	-3045	-7475	-25595	SLD 7	0.4	932	2.81	133219	314547	644450	SLD 7	0.22	226	1.572	Si
39	-3062	-7475	-25595	SLD 7	0.4	931	2.809	133219	314547	644450	SLD 7	0.22	226	1.572	Si
48	-3095	-7475	-25595	SLD 7	0.4	927	2.804	125392	295176	644450	SLD 7	0.24	269	1.688	Si
56	-3128	-7475	-25595	SLD 7	0.4	924	2.8	99089	230559	644450	SLD 7	0.32	516	2.205	Si
65	-3161	-7475	-25595	SLD 7	0.4	921	2.796	72501	166030	644450	SLD 7	0.46	1324	3.245	Si
74	-3194	-7475	-25595	SLD 7	0.4	917	2.791	-82571	-197441	-644450	SLD 7	0.38	809	2.651	Si
82	-3227	-7475	-25595	SLD 7	0.4	914	2.787	-111056	-265739	-644450	SLD 7	0.27	359	1.9	Si
91	-3260	-7475	-25595	SLD 7	0.4	910	2.782	-136260	-322355	-644450	SLD 7	0.22	212	1.531	Si
100	-3293	-7475	-25595	SLD 7	0.4	907	2.779	-136260	-322355	-644450	SLD 7	0.22	212	1.531	Si
104	-3309	-7475	-25595	SLD 7	0.4	906	2.777	-136260	-322355	-644450	SLD 7	0.22	212	1.531	Si
110	-3332	-7475	-25595	SLD 7	0.4	904	2.775	-136260	-322355	-644450	SLD 7	0.22	212	1.531	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" (2251; 3666)-(3004; 3666)

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x60	Rettangolare	30	60	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - ?, sezione R 30x60, asta 723

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-395	SLU 29	-395	-796256	0.099	Si
11	7.6	5.4	7.6	5.4						-41361	SLU 35	-41361	-796256	0.099	Si
21	7.6	5.4	7.6	5.4						-89460	SLU 36	-89460	-796256	0.099	Si
30	7.6	5.4	7.6	5.4						-134719	SLU 36	-289476	-796256	0.099	Si
43	7.6	5.4	7.6	5.4						-209431	SLU 36	-384549	-796256	0.099	Si
48	7.6	5.4	7.6	5.4						-243873	SLU 36	-427383	-796256	0.099	Si
59	7.6	5.4	7.6	5.4						-319027	SLU 30	-518072	-796256	0.099	Si
69	7.6	5.4	7.6	5.4						-400989	SLU 30	-615456	-796256	0.099	Si
80	7.6	5.4	7.6	5.4						-489647	SLU 30	-719535	-796256	0.099	Si
91	7.6	5.4	7.6	5.4						-584999	SLU 30	-830309	-796256	0.099	No
101	7.6	5.4	7.6	5.4						-687047	SLU 30	-947778	-796256	0.099	No
112	7.6	5.4	7.6	5.4						-795789	SLU 30	-1071942	-796256	0.099	No
123	7.6	5.4	7.6	5.4						-911227	SLU 30	-1174735	-796256	0.099	No
128	7.6	5.4	7.6	5.4						-971456	SLU 30	-1174735	-796256	0.099	No
139	7.6	5.4	7.6	5.4						-1096936	SLU 30	-1174735	-796256	0.099	No
145	7.6	5.4	7.6	5.4						-1174735	SLU 30	-1174735	-796256	0.099	No
149	7.6	5.4	7.6	5.4						-1229111	SLU 30	-1220893	-796256	0.099	No
160	7.6	5.4	7.6	5.4						-1367980	SLU 30	-1268111	-796256	0.099	No

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	590	SLV 13	590	796256	0.099	-1035	SLV 3	-1035	-796256	0.099	Si
11	7.6	5.4	7.6	5.4	1083	SLV 1	1083	796256	0.099	-60738	SLV 15	-60738	-796256	0.099	Si
21	7.6	5.4	7.6	5.4						-127492	SLV 15	-127492	-796256	0.099	Si
30	7.6	5.4	7.6	5.4						-185923	SLV 15	-369676	-796256	0.099	Si
43	7.6	5.4	7.6	5.4						-277399	SLV 15	-473724	-796256	0.099	Si
48	7.6	5.4	7.6	5.4						-318034	SLV 15	-519346	-796256	0.099	Si
59	7.6	5.4	7.6	5.4						-402552	SLV 15	-613840	-796256	0.099	Si
69	7.6	5.4	7.6	5.4						-491401	SLV 15	-712663	-796256	0.099	Si
80	7.6	5.4	7.6	5.4						-584580	SLV 15	-815818	-796256	0.099	No
91	7.6	5.4	7.6	5.4						-682090	SLV 15	-923302	-796256	0.099	No
101	7.6	5.4	7.6	5.4						-783930	SLV 15	-1035118	-796256	0.099	No
112	7.6	5.4	7.6	5.4						-890101	SLV 15	-1151263	-796256	0.099	No
123	7.6	5.4	7.6	5.4						-1000602	SLV 15	-1246072	-796256	0.099	No
128	7.6	5.4	7.6	5.4						-1057476	SLV 15	-1246072	-796256	0.099	No
139	7.6	5.4	7.6	5.4						-1174474	SLV 15	-1246072	-796256	0.099	No
145	7.6	5.4	7.6	5.4						-1246072	SLV 15	-1246072	-796256	0.099	No
149	7.6	5.4	7.6	5.4						-1295801	SLV 15	-1288383	-796256	0.099	No
160	7.6	5.4	7.6	5.4						-1421459	SLV 15	-1331666	-796256	0.099	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	137	SLD 13	137	796256	0.099	-582	SLD 3	-582	-796256	0.099	Si
11	7.6	5.4	7.6	5.4						-43506	SLD 15	-43506	-796256	0.099	Si
21	7.6	5.4	7.6	5.4						-92602	SLD 15	-92602	-796256	0.099	Si
30	7.6	5.4	7.6	5.4						-136684	SLD 15	-279763	-796256	0.099	Si
43	7.6	5.4	7.6	5.4						-207191	SLD 15	-362841	-796256	0.099	Si
48	7.6	5.4	7.6	5.4						-238997	SLD 15	-399634	-796256	0.099	Si
59	7.6	5.4	7.6	5.4						-305857	SLD 15	-476469	-796256	0.099	Si
69	7.6	5.4	7.6	5.4						-377047	SLD 15	-557634	-796256	0.099	Si
80	7.6	5.4	7.6	5.4						-452567	SLD 15	-643129	-796256	0.099	Si
91	7.6	5.4	7.6	5.4						-532418	SLD 15	-732956	-796256	0.099	Si
101	7.6	5.4	7.6	5.4						-616600	SLD 15	-827112	-796256	0.099	No
112	7.6	5.4	7.6	5.4						-705112	SLD 15	-925600	-796256	0.099	No

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
123	7.6	5.4	7.6	5.4						-797955	SLD 15	-1006452	-796256	0.099	No
128	7.6	5.4	7.6	5.4						-846000	SLD 15	-1006452	-796256	0.099	No
139	7.6	5.4	7.6	5.4						-945339	SLD 15	-1006452	-796256	0.099	No
145	7.6	5.4	7.6	5.4						-1006452	SLD 15	-1006452	-796256	0.099	No
149	7.6	5.4	7.6	5.4						-1049008	SLD 15	-1042626	-796256	0.099	No
160	7.6	5.4	7.6	5.4						-1157007	SLD 15	-1079630	-796256	0.099	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-3580	SLU 35	-3580	-6713	-43335	0	-6713	1	Si
11	0	7.6	0	-4179	SLU 36	-4179	-6713	-43335	0	-6713	1	Si
21	0	7.6	0	-4902	SLU 36	-4902	-6713	-43335	0	-6713	1	Si
30	0.131	7.6	0	-5525	SLU 30	-5525	-6713	-43335	-12866	-12866	1	Si
43	0.131	7.6	0	-6429	SLU 30	-6429	-6713	-43335	-12866	-12866	1	Si
48	0.131	7.6	0	-6743	SLU 30	-6743	-6713	-43335	-12866	-12866	1	Si
59	0.131	7.6	0	-7370	SLU 30	-7370	-6713	-43335	-12866	-12866	1	Si
69	0.131	7.6	0	-7998	SLU 30	-7998	-6713	-43335	-12866	-12866	1	Si
80	0.131	7.6	0	-8625	SLU 30	-8625	-6713	-43335	-12866	-12866	1	Si
91	0.131	7.6	0	-9253	SLU 30	-9253	-6713	-43335	-12866	-12866	1	Si
101	0.131	7.6	0	-9881	SLU 30	-9881	-6713	-43335	-12866	-12866	1	Si
112	0.131	7.6	0	-10508	SLU 30	-10508	-6713	-43335	-12866	-12866	1	Si
123	0.131	7.6	0	-11136	SLU 30	-11136	-6713	-43335	-12866	-12866	1	Si
128	0.131	7.6	0	-11450	SLU 30	-11450	-6713	-43335	-12866	-12866	1	Si
139	0.131	7.6	0	-12078	SLU 30	-12078	-6713	-43335	-12866	-12866	1	Si
145	0.131	7.6	0	-12450	SLU 30	-12450	-6713	-43335	-12866	-12866	1	Si
149	0	7.6	0	-12705	SLU 30	-12705	-6713	-43335	0	-6713	1	Si
160	0	7.6	0	-13333	SLU 30	-13333	-6713	-43335	0	-6713	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	451	SLV 1	1223	6713	43335	0	6713	1	Si
0	0	7.6	0	-5488	SLV 15	-6260	-6713	-43335	0	-6713	1	Si
11	0	7.6	0	-63	SLV 1	710	6713	43335	0	6713	1	Si
11	0	7.6	0	-6002	SLV 15	-6774	-6713	-43335	0	-6713	1	Si
21	0	7.6	0	-576	SLV 1	196	6713	43335	0	6713	1	Si
21	0	7.6	0	-6515	SLV 15	-7287	-6713	-43335	0	-6713	1	Si
30	0.131	7.6	0	-6932	SLV 15	-7704	-6713	-43335	-12866	-12866	1	Si
43	0.131	7.6	0	-7518	SLV 15	-8290	-6713	-43335	-12866	-12866	1	Si
48	0.131	7.6	0	-7721	SLV 15	-8493	-6713	-43335	-12866	-12866	1	Si
59	0.131	7.6	0	-8127	SLV 15	-8899	-6713	-43335	-12866	-12866	1	Si
69	0.131	7.6	0	-8533	SLV 15	-9305	-6713	-43335	-12866	-12866	1	Si
80	0.131	7.6	0	-8939	SLV 15	-9711	-6713	-43335	-12866	-12866	1	Si
91	0.131	7.6	0	-9345	SLV 15	-10117	-6713	-43335	-12866	-12866	1	Si
101	0.131	7.6	0	-9751	SLV 15	-10523	-6713	-43335	-12866	-12866	1	Si
112	0.131	7.6	0	-10157	SLV 15	-10929	-6713	-43335	-12866	-12866	1	Si
123	0.131	7.6	0	-10562	SLV 15	-11335	-6713	-43335	-12866	-12866	1	Si
128	0.131	7.6	0	-10765	SLV 15	-11538	-6713	-43335	-12866	-12866	1	Si
139	0.131	7.6	0	-11171	SLV 15	-11944	-6713	-43335	-12866	-12866	1	Si
145	0.131	7.6	0	-11413	SLV 15	-12185	-6713	-43335	-12866	-12866	1	Si
149	0	7.6	0	-11577	SLV 15	-12350	-6713	-43335	0	-6713	1	Si
160	0	7.6	0	-11983	SLV 15	-12756	-6713	-43335	0	-6713	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-3833	SLD 15	-3833	-6713	-43335	0	-6713	1	Si
11	0	7.6	0	-4346	SLD 15	-4346	-6713	-43335	0	-6713	1	Si
21	0	7.6	0	-4859	SLD 15	-4859	-6713	-43335	0	-6713	1	Si
30	0.131	7.6	0	-5276	SLD 15	-5276	-6713	-43335	-12866	-12866	1	Si
43	0.131	7.6	0	-5862	SLD 15	-5862	-6713	-43335	-12866	-12866	1	Si
48	0.131	7.6	0	-6065	SLD 15	-6065	-6713	-43335	-12866	-12866	1	Si
59	0.131	7.6	0	-6471	SLD 15	-6471	-6713	-43335	-12866	-12866	1	Si
69	0.131	7.6	0	-6877	SLD 15	-6877	-6713	-43335	-12866	-12866	1	Si
80	0.131	7.6	0	-7283	SLD 15	-7283	-6713	-43335	-12866	-12866	1	Si
91	0.131	7.6	0	-7689	SLD 15	-7689	-6713	-43335	-12866	-12866	1	Si
101	0.131	7.6	0	-8095	SLD 15	-8095	-6713	-43335	-12866	-12866	1	Si
112	0.131	7.6	0	-8501	SLD 15	-8501	-6713	-43335	-12866	-12866	1	Si
123	0.131	7.6	0	-8907	SLD 15	-8907	-6713	-43335	-12866	-12866	1	Si
128	0.131	7.6	0	-9110	SLD 15	-9110	-6713	-43335	-12866	-12866	1	Si
139	0.131	7.6	0	-9516	SLD 15	-9516	-6713	-43335	-12866	-12866	1	Si
145	0.131	7.6	0	-9757	SLD 15	-9757	-6713	-43335	-12866	-12866	1	Si
149	0	7.6	0	-9922	SLD 15	-9922	-6713	-43335	0	-6713	1	Si
160	0	7.6	0	-10328	SLD 15	-10328	-6713	-43335	0	-6713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-274	2	-274	0	124.5	0.7	1837	-223	2	-223	0	93.4	0	+∞	Si
11	-30952	8	-30952	2.1	124.5	82.3	1837	-30019	1	-30019	2	93.4	0	+∞	Si
21	-66881	9	-66881	4.5	124.5	177.8	1837	-64907	2	-64907	4.4	93.4	0	+∞	Si
30	-100571	9	-215357	14.5	124.5	572.4	1837	-97602	2	-208394	14.1	93.4	0	+∞	Si
43	-156070	9	-285580	19.3	124.5	759.1	1837	-151464	2	-274827	18.6	93.4	0	+∞	Si
48	-181620	9	-317183	21.4	124.5	843.1	1837	-176262	2	-304612	20.6	93.4	0	+∞	Si
59	-237198	3	-384035	25.9	124.5	1020.8	1837	-229105	2	-367431	24.8	93.4	0	+∞	Si
69	-297714	3	-455748	30.8	124.5	1211.4	1837	-286278	2	-434579	29.4	93.4	0	+∞	Si
80	-363091	3	-532323	36	124.5	1414.9	1837	-347782	2	-506058	34.2	93.4	0	+∞	Si
91	-433329	3	-613759	41.5	124.5	1631.4	1837	-413617	2	-581868	39.3	93.4	0	+∞	Si
101	-508429	3	-700057	47.3	124.5	1860.8	1837	-483782	2	-662008	44.7	93.4	0	+∞	Si
112	-588390	3	-791215	53.4	124.5	2103.1	1837	-558278	2	-746479	50.4	93.4	0	+∞	Si
123	-673212	3	-866646	58.5	124.5	2303.6	1837	-637104	2	-816255	55.1	93.4	0	+∞	Si
128	-717446	3	-866646	58.5	124.5	2303.6	1837	-678141	2	-816255	55.1	93.4	0	+∞	Si
139	-809560	3	-866646	58.5	124.5	2303.6	1837	-763463	2	-816255	55.1	93.4	0	+∞	Si
145	-866646	3	-866646	58.5	124.5	2303.6	1837	-816255	2	-816255	55.1	93.4	0	+∞	Si
149	-906536	3	-900510	60.8	124.5	2393.6	1837	-853116	2	-847556	57.2	93.4	0	+∞	Si
160	-1008372	3	-935152	63.2	124.5	2485.7	1837	-947099	2	-879577	59.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara	Frequente	Quasi permanente	Verifica

	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
11	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
21	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.006	1	-0.007	1	9999	Si
30	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.008	1	-0.009	1	9999	Si
43	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.012	1	-0.013	1	9999	Si
48	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.013	1	-0.015	1	9999	Si
59	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.015	1	-0.017	1	9999	Si
69	-0.006	-0.007	-0.007	-0.008	-0.006	-0.006	-0.007	-0.008	-0.006	-0.006	-0.017	1	-0.02	1	9182	Si
80	-0.006	-0.007	-0.007	-0.009	-0.006	-0.007	-0.007	-0.008	-0.006	-0.007	-0.019	1	-0.021	1	8418	Si
91	-0.007	-0.008	-0.007	-0.009	-0.007	-0.007	-0.007	-0.009	-0.007	-0.007	-0.02	1	-0.023	1	7975	Si
101	-0.007	-0.008	-0.008	-0.01	-0.007	-0.007	-0.008	-0.009	-0.007	-0.007	-0.021	1	-0.023	1	7805	Si
107	-0.007	-0.008	-0.007	-0.01	-0.007	-0.007	-0.007	-0.009	-0.007	-0.007	-0.02	1	-0.023	1	7822	Si
112	-0.007	-0.007	-0.007	-0.009	-0.007	-0.007	-0.007	-0.009	-0.007	-0.007	-0.02	1	-0.023	1	7920	Si
123	-0.006	-0.007	-0.007	-0.009	-0.006	-0.006	-0.007	-0.008	-0.006	-0.006	-0.019	1	-0.021	1	8515	Si
128	-0.005	-0.006	-0.006	-0.008	-0.005	-0.006	-0.006	-0.008	-0.005	-0.006	-0.018	1	-0.02	1	9118	Si
139	-0.004	-0.005	-0.005	-0.007	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.014	1	-0.016	1	9999	Si
145	-0.003	-0.004	-0.004	-0.005	-0.003	-0.003	-0.004	-0.005	-0.003	-0.003	-0.011	1	-0.012	1	9999	Si
149	-0.002	-0.003	-0.003	-0.004	-0.002	-0.003	-0.003	-0.004	-0.002	-0.003	-0.008	1	-0.009	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
30	-3962	-3742	-12866	SLV 15	0.57	2474	1.666	-97602	-88321	-796256	SLV 15	0.57	2474	1.666	Si
43	-4548	-3742	-12866	SLV 15	0.57	2474	1.666	-274827	-198896	-796256	SLV 15	0.57	2474	1.666	Si
48	-4751	-3742	-12866	SLV 15	0.57	2474	1.666	-304612	-214734	-796256	SLV 15	0.57	2474	1.666	Si
59	-5157	-3742	-12866	SLV 15	0.57	2474	1.666	-367431	-246409	-796256	SLV 15	0.57	2474	1.666	Si
69	-5563	-3742	-12866	SLV 15	0.57	2474	1.666	-434579	-278084	-796256	SLV 15	0.47	1389	1.315	Si
80	-5969	-3742	-12866	SLV 15	0.57	2474	1.666	-506058	-309759	-796256	SLV 15	0.34	608	0.937	No
91	-6375	-3742	-12866	SLV 15	0.57	2474	1.666	-581868	-341434	-796256	SLV 15	0.23	248	0.649	No
101	-6781	-3742	-12866	SLV 15	0.57	2474	1.666	-662008	-373109	-796256	SLV 15	0.14	79	0.406	No
112	-7187	-3742	-12866	SLV 15	0.54	2099	1.558	-746479	-404784	-796256	SLV 15	0.04	9	0.167	No
117	-7390	-3742	-12866	SLV 15	0.52	1904	1.497	-790339	-420622	-796256	SLV 15	0	0	0	No
123	-7593	-3742	-12866	SLV 15	0.5	1720	1.436	-816255	429817	-796256	SLV 1	0	0	0	No
128	-7796	-3742	-12866	SLV 15	0.49	1549	1.375	-816255	429817	-796256	SLV 1	0	0	0	No
139	-8202	-3742	-12866	SLV 15	0.45	1242	1.256	-816255	429817	-796256	SLV 1	0	0	0	No
145	-8443	-3742	-12866	SLV 15	0.43	1079	1.186	-816255	429817	-796256	SLV 1	0	0	0	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
30	-3962	-1314	-12866	SLD 15	0.6	2474	4.193	-97602	-39083	-796256	SLD 15	0.6	2474	4.193	Si
43	-4548	-1314	-12866	SLD 15	0.6	2474	4.193	-274827	-88013	-796256	SLD 15	0.6	2474	4.193	Si
48	-4751	-1314	-12866	SLD 15	0.6	2474	4.193	-304612	-95022	-796256	SLD 15	0.6	2474	4.193	Si
59	-5157	-1314	-12866	SLD 15	0.6	2474	4.193	-367431	-109038	-796256	SLD 15	0.52	1885	3.751	Si
69	-5563	-1314	-12866	SLD 15	0.6	2474	4.193	-434579	-123055	-796256	SLD 15	0.39	875	2.738	Si
80	-5969	-1314	-12866	SLD 15	0.6	2474	4.193	-506058	-137071	-796256	SLD 15	0.29	403	1.993	Si
91	-6375	-1314	-12866	SLD 15	0.6	2474	4.193	-581868	-151087	-796256	SLD 15	0.2	169	1.395	Si
101	-6781	-1314	-12866	SLD 15	0.6	2474	4.193	-662008	-165104	-796256	SLD 15	0.12	56	0.887	No
112	-7187	-1314	-12866	SLD 15	0.57	2427	4.16	-746479	-179120	-796256	SLD 15	0.04	6	0.355	No
117	-7390	-1314	-12866	SLD 15	0.55	2201	3.997	-790339	-186129	-796256	SLD 15	0	0	0	No
123	-7593	-1314	-12866	SLD 15	0.53	1990	3.835	-816255	190198	-796256	SLD 1	0	0	0	No
128	-7796	-1314	-12866	SLD 15	0.51	1792	3.674	-816255	190198	-796256	SLD 1	0	0	0	No
139	-8202	-1314	-12866	SLD 15	0.47	1434	3.353	-816255	190198	-796256	SLD 1	0	0	0	No
145	-8443	-1314	-12866	SLD 15	0.45	1246	3.165	-816255	190198	-796256	SLD 1	0	0	0	No

Campata 2 tra i fili ? - ?, sezione R 30x60, asta 722

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-1737360	SLU 30	-1617999	-796256	0.099	No
15	7.6	5.4	7.6	5.4						-1502062	SLU 30	-1502062	-796256	0.099	No
40	7.6	5.4	7.6	5.4						-1134879	SLU 30	-1502062	-796256	0.099	No
79	7.6	5.4	7.6	5.4						-601990	SLU 30	-926740	-796256	0.099	No
119	7.6	5.4	7.6	5.4	-89215	SLU 11	126649	796256	0.099	-207635	SLU 26	-430652	-796256	0.099	Si
138	7.6	5.4	7.6	5.4	87323	SLU 11	300037	796256	0.099	-62520	SLU 26	-245867	-796256	0.099	Si
178	7.6	5.4	7.6	5.4	429087	SLU 29	615352	796256	0.099						Si
217	7.6	5.4	7.6	5.4	718079	SLU 29	861074	796256	0.099						No
257	7.6	5.4	7.6	5.4	937478	SLU 29	1037203	796256	0.099						No
296	7.6	5.4	7.6	5.4	1087284	SLU 29	1143739	796256	0.099						No
336	7.6	5.4	7.6	5.4	1167497	SLU 29	1181507	796256	0.099						No
375	7.6	5.4	7.6	5.4	1178118	SLU 29	1181507	796256	0.099						No
415	7.6	5.4	7.6	5.4	1119145	SLU 29	1162393	796256	0.099						No
435	7.6	5.4	7.6	5.4	1063561	SLU 29	1128444	796256	0.099						No
474	7.6	5.4	7.6	5.4	900199	SLU 29	1008352	796256	0.099						No
514	7.6	5.4	7.6	5.4	667243	SLU 29	818667	796256	0.099						No
545	7.6	5.4	7.6	5.4	429332	SLU 29	616996	796256	0.099						Si
553	7.6	5.4	7.6	5.4	364695	SLU 29	364695	796256	0.099						Si
593	7.6	5.4	7.6	5.4						-7398	SLU 29	-7398	-796256	0.099	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-1339527	SLV 3	-1257677	-796256	0.099	No
15	7.6	5.4	7.6	5.4						-1178103	SLV 3	-1178103	-796256	0.099	No
40	7.6	5.4	7.6	5.4						-925835	SLV 3	-1178103	-796256	0.099	No
79	7.6	5.4	7.6	5.4						-558422	SLV 3	-782490	-796256	0.099	Si
119	7.6	5.4	7.6	5.4	-9483	SLV 13	152839	796256	0.099	-237289	SLV 3	-432582	-796256	0.099	Si
138	7.6	5.4	7.6	5.4	123316	SLV 13	271251	796256	0.099	-94078	SLV 3	-274983	-796256	0.099	Si
178	7.6	5.4	7.6	5.4	354206	SLV 13	473366	796256	0.099						Si
217	7.6	5.4	7.6	5.4	538817	SLV 13	629204	796256	0.099						Si
257	7.6	5.4	7.6	5.4	677151	SLV 13	738764	796256	0.099						Si
296	7.6	5.4	7.6	5.4	769207	SLV 13	802046	796256	0.099						No
336	7.6	5.4	7.6	5.4	814986	SLV 13	820521	796256	0.099						No
375	7.6	5.4	7.6	5.4	814489	SLV 13	820521	796256	0.099						No
415	7.6	5.4	7.6	5.4	767718	SLV 13	801174	796256	0.099						No
435	7.6	5.4	7.6	5.4	726981	SLV 13	774822	796256	0.099						Si
474	7.6	5.4	7.6	5.4	610811	SLV 13	687415	796256	0.099						Si
514	7.6	5.4	7.6	5.4	448406	SLV 13	553751	796256	0.099						Si
545	7.6	5.4	7.6	5.4	286400	SLV 9	413707	796256	0.099						Si
553	7.6	5.4	7.6	5.4	244203	SLV 5	244203	796256	0.099						Si
593	7.6	5.4	7.6	5.4	7785	SLV 1	7785	796256	0.099	-16734	SLV 15	-16734	-796256	0.099	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-1258557	SLD 3	-1177810	-796256	0.099	No

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
15	7.6	5.4	7.6	5.4						-1099339	SLD 3	-1099339	-796256	0.099	No
40	7.6	5.4	7.6	5.4						-850675	SLD 3	-1099339	-796256	0.099	No
79	7.6	5.4	7.6	5.4						-489071	SLD 3	-709527	-796256	0.099	Si
119	7.6	5.4	7.6	5.4	-73026	SLD 13	92908	796256	0.099	-173747	SLD 3	-365428	-796256	0.099	Si
138	7.6	5.4	7.6	5.4	62678	SLD 13	214224	796256	0.099	-33439	SLD 3	-210733	-796256	0.099	Si
178	7.6	5.4	7.6	5.4	299376	SLD 13	422148	796256	0.099						Si
217	7.6	5.4	7.6	5.4	489795	SLD 13	583792	796256	0.099						Si
257	7.6	5.4	7.6	5.4	633936	SLD 13	699159	796256	0.099						Si
296	7.6	5.4	7.6	5.4	731798	SLD 13	768247	796256	0.099						Si
336	7.6	5.4	7.6	5.4	783382	SLD 13	791820	796256	0.099						Si
375	7.6	5.4	7.6	5.4	788689	SLD 13	791820	796256	0.099						Si
415	7.6	5.4	7.6	5.4	747719	SLD 13	777568	796256	0.099						Si
435	7.6	5.4	7.6	5.4	709881	SLD 13	754116	796256	0.099						Si
474	7.6	5.4	7.6	5.4	599500	SLD 13	672506	796256	0.099						Si
514	7.6	5.4	7.6	5.4	442860	SLD 13	544626	796256	0.099						Si
545	7.6	5.4	7.6	5.4	284238	SLD 9	409157	796256	0.099						Si
553	7.6	5.4	7.6	5.4	241924	SLD 5	241924	796256	0.099						Si
593	7.6	5.4	7.6	5.4	950	SLD 1	950	796256	0.099	-9899	SLD 15	-9899	-796256	0.099	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	16127	SLU 30	16127	6713	43335	0	6713	1	Si
15	0.168	7.6	0	15458	SLU 30	15458	6713	43335	16440	16440	1	Si
40	0.168	7.6	0	14366	SLU 30	14366	6713	43335	16440	16440	1	Si
79	0.132	7.6	0	12605	SLU 30	12605	6713	43335	12984	12984	1	Si
119	0.132	7.6	0	10843	SLU 30	10843	6713	43335	12984	12984	1	Si
138	0.132	7.6	0	9963	SLU 30	9963	6713	43335	12984	12984	1	Si
178	0.132	7.6	0	8202	SLU 30	8202	6713	43335	12984	12984	1	Si
217	0.132	7.6	0	6441	SLU 30	6441	6713	43335	12984	12984	1	Si
257	0.132	7.6	0	4680	SLU 30	4680	6713	43335	12984	12984	1	Si
296	0.132	7.6	0	2919	SLU 30	2919	6713	43335	12984	12984	1	Si
336	0.132	7.6	0	1158	SLU 36	1158	6713	43335	12984	12984	1	Si
375	0.132	7.6	0	-612	SLU 29	-612	-6713	-43335	-12984	-12984	1	Si
415	0.132	7.6	0	-2373	SLU 29	-2373	-6713	-43335	-12984	-12984	1	Si
435	0.132	7.6	0	-3253	SLU 29	-3253	-6713	-43335	-12984	-12984	1	Si
474	0.132	7.6	0	-5015	SLU 29	-5015	-6713	-43335	-12984	-12984	1	Si
514	0.05	7.6	0	-6776	SLU 29	-6776	-6713	-43335	-4932	-6713	1	No
545	0.05	7.6	0	-8181	SLU 29	-8181	-6713	-43335	-4932	-6713	1	No
553	0	7.6	0	-8537	SLU 29	-8537	-6713	-43335	0	-6713	1	Si
593	0	7.6	0	-10230	SLU 29	-10230	-6713	-43335	0	-6713	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	11054	SLV 3	11123	6713	43335	0	6713	1	Si
15	0.168	7.6	0	10610	SLV 3	10678	6713	43335	16440	16440	1	Si
40	0.168	7.6	0	9883	SLV 3	9952	6713	43335	16440	16440	1	Si
79	0.132	7.6	0	8712	SLV 3	8781	6713	43335	12984	12984	1	Si
119	0.132	7.6	0	7541	SLV 3	7610	6713	43335	12984	12984	1	Si
138	0.132	7.6	0	6955	SLV 3	7024	6713	43335	12984	12984	1	Si
178	0.132	7.6	0	5784	SLV 3	5853	6713	43335	12984	12984	1	Si
217	0.132	7.6	0	4613	SLV 3	4682	6713	43335	12984	12984	1	Si
257	0.132	7.6	0	3442	SLV 3	3511	6713	43335	12984	12984	1	Si
296	0.132	7.6	0	2271	SLV 3	2339	6713	43335	12984	12984	1	Si
336	0.132	7.6	0	1100	SLV 3	1168	6713	43335	12984	12984	1	Si
375	0.132	7.6	0	-598	SLV 13	-667	-6713	-43335	-12984	-12984	1	Si
415	0.132	7.6	0	-1770	SLV 13	-1838	-6713	-43335	-12984	-12984	1	Si
435	0.132	7.6	0	-2355	SLV 13	-2424	-6713	-43335	-12984	-12984	1	Si
474	0.132	7.6	0	-3526	SLV 13	-3595	-6713	-43335	-12984	-12984	1	Si
514	0.05	7.6	0	-4697	SLV 13	-4766	-6713	-43335	-4932	-6713	1	Si
545	0.05	7.6	0	-5632	SLV 13	-5700	-6713	-43335	-4932	-6713	1	Si
553	0	7.6	0	-5869	SLV 13	-5937	-6713	-43335	0	-6713	1	Si
593	0	7.6	0	-6996	SLV 13	-7064	-6713	-43335	0	-6713	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	10907	SLD 3	10907	6713	43335	0	6713	1	Si
15	0.168	7.6	0	10463	SLD 3	10463	6713	43335	16440	16440	1	Si
40	0.168	7.6	0	9736	SLD 3	9736	6713	43335	16440	16440	1	Si
79	0.132	7.6	0	8565	SLD 3	8565	6713	43335	12984	12984	1	Si
119	0.132	7.6	0	7394	SLD 3	7394	6713	43335	12984	12984	1	Si
138	0.132	7.6	0	6808	SLD 3	6808	6713	43335	12984	12984	1	Si
178	0.132	7.6	0	5637	SLD 3	5637	6713	43335	12984	12984	1	Si
217	0.132	7.6	0	4466	SLD 3	4466	6713	43335	12984	12984	1	Si
257	0.132	7.6	0	3295	SLD 3	3295	6713	43335	12984	12984	1	Si
296	0.132	7.6	0	2124	SLD 3	2124	6713	43335	12984	12984	1	Si
336	0.132	7.6	0	953	SLD 3	953	6713	43335	12984	12984	1	Si
375	0.132	7.6	0	-451	SLD 13	-451	-6713	-43335	-12984	-12984	1	Si
415	0.132	7.6	0	-1623	SLD 13	-1623	-6713	-43335	-12984	-12984	1	Si
435	0.132	7.6	0	-2208	SLD 13	-2208	-6713	-43335	-12984	-12984	1	Si
474	0.132	7.6	0	-3379	SLD 13	-3379	-6713	-43335	-12984	-12984	1	Si
514	0.05	7.6	0	-4550	SLD 13	-4550	-6713	-43335	-4932	-6713	1	Si
545	0.05	7.6	0	-5485	SLD 13	-5485	-6713	-43335	-4932	-6713	1	Si
553	0	7.6	0	-5721	SLD 13	-5721	-6713	-43335	0	-6713	1	Si
593	0	7.6	0	-6849	SLD 13	-6849	-6713	-43335	0	-6713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1277372	3	-1190454	80.4	124.5	3164.3	1837	-1194384	2	-1114510	75.3	93.4	0	+∞	Si
15	-1106023	3	-1106023	74.7	124.5	2939.8	1837	-1036913	2	-1036913	70	93.4	0	+∞	Si
40	-838603	3	-1106023	74.7	124.5	2939.8	1837	-791106	2	-1036913	70	93.4	0	+∞	Si
79	-450400	3	-686989	46.4	124.5	1826	1837	-434106	2	-651699	44	93.4	0	+∞	Si
119	-154468	8	-324897	21.9	124.5	863.6	1837	-143128	1	-312204	21.1	93.4	0	+∞	Si
138	39525	2	206945	14	124.5	550.1	1837	14619	2	169028	11.4	93.4	0	+∞	Si
138	-33602	8	-186328	12.6	124.5	495.3	1837	-22739	1	-174872	11.8	93.4	0	+∞	Si
178	301101	2	437080	29.5	124.5	1161.8	1837	255921	2	381555	25.8	93.4	0	+∞	Si
217	512111	2	616651	41.7	124.5	1639.1	1837	450944	2	547803	37	93.4	0	+∞	Si
257	672556	2	745656	50.4	124.5	1982	1837	599687	2	667772	45.1	93.4	0	+∞	Si
296	782435	2	824095	55.7	124.5	2190.5	1837	702152	2	741462	50.1	93.4	0	+∞	Si
336	841748	2	852443	57.6	124.5	2265.8	1837	758338	2	769076	51.9	93.4	0	+∞	Si
375	850496	2	852443	57.6	124.5	2265.8	1837	768244	2	769076	51.9	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
415	808679	2	839461	56.7	124.5	2231.3	1837	731872	2	758863	51.3	93.4	0	+∞	Si
435	768808	2	815310	55.1	124.5	2167.1	1837	696331	2	737710	49.8	93.4	0	+∞	Si
474	651143	2	729084	49.2	124.5	1937.9	1837	590540	2	660693	44.6	93.4	0	+∞	Si
514	482912	2	592293	40	124.5	1574.3	1837	438471	2	537398	36.3	93.4	0	+∞	Si
545	310871	2	446584	30.2	124.5	1187	1837	282530	2	405558	27.4	93.4	0	+∞	Si
553	264115	2	264115	17.8	124.5	702	1837	240122	2	240122	16.2	93.4	0	+∞	Si
593	-5212	2	-5212	0.4	124.5	13.9	1837	-4474	2	-4474	0.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.005	0.002	0.004	-0.001	0.004	0.002	0.002	-0.001	0.004	0.002	0.008	2	0.002	2	9999	Si
40	0.014	0.008	0.017	0.003	0.013	0.008	0.013	0.004	0.012	0.008	0.036	2	0.017	2	9999	Si
79	0.037	0.022	0.05	0.018	0.033	0.023	0.04	0.02	0.032	0.024	0.104	2	0.063	2	5690	Si
119	0.064	0.041	0.088	0.038	0.058	0.043	0.072	0.04	0.056	0.043	0.185	2	0.12	2	3203	Si
138	0.078	0.052	0.107	0.048	0.071	0.053	0.088	0.05	0.068	0.053	0.227	2	0.15	2	2612	Si
178	0.105	0.072	0.146	0.069	0.096	0.073	0.121	0.071	0.093	0.074	0.31	2	0.21	2	1913	Si
217	0.129	0.09	0.182	0.088	0.118	0.092	0.151	0.091	0.114	0.092	0.387	2	0.266	2	1531	Si
257	0.148	0.104	0.213	0.104	0.135	0.106	0.177	0.107	0.131	0.106	0.453	2	0.314	2	1309	Si
296	0.16	0.114	0.234	0.115	0.146	0.116	0.195	0.119	0.142	0.116	0.498	2	0.35	2	1190	Si
336	0.163	0.118	0.243	0.121	0.15	0.119	0.203	0.124	0.146	0.12	0.516	2	0.366	2	1148	Si
375	0.158	0.115	0.237	0.119	0.146	0.116	0.199	0.122	0.142	0.117	0.504	2	0.359	2	1177	Si
415	0.145	0.106	0.216	0.109	0.134	0.107	0.181	0.112	0.13	0.107	0.46	2	0.329	2	1287	Si
435	0.135	0.099	0.2	0.102	0.124	0.1	0.168	0.104	0.121	0.1	0.428	2	0.305	2	1386	Si
474	0.109	0.08	0.159	0.082	0.101	0.081	0.134	0.083	0.098	0.081	0.343	2	0.244	2	1729	Si
514	0.077	0.056	0.11	0.057	0.071	0.057	0.093	0.058	0.069	0.057	0.238	2	0.169	2	2494	Si
545	0.047	0.035	0.067	0.035	0.044	0.035	0.057	0.036	0.042	0.035	0.145	2	0.104	2	4075	Si
553	0.039	0.029	0.056	0.029	0.036	0.029	0.047	0.03	0.035	0.029	0.121	2	0.087	2	4882	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	10346	332	16440	SLV 3	0.57	2474	1.666	-1036913	-126241	-796256	SLV 1	0	0	0	No
40	9620	332	16440	SLV 3	0.57	2474	1.666	-1036913	-126241	-796256	SLV 1	0	0	0	No
79	8449	332	12984	SLV 3	0.57	2474	1.666	-651699	-130791	-796256	SLV 3	0.4	908	1.105	Si
119	7277	332	12984	SLV 3	0.57	2474	1.666	-312204	-120377	-796256	SLV 3	0.57	2474	1.666	Si
138	6692	332	12984	SLV 3	0.57	2474	1.666	-159812	-115171	-796256	SLV 3	0.57	2474	1.666	Si
178	5521	332	12984	SLV 3	0.57	2474	1.666	381555	91811	796256	SLV 13	0.57	2474	1.666	Si
217	4350	332	12984	SLV 3	0.57	2474	1.666	547803	81401	796256	SLV 13	0.57	2474	1.666	Si
257	3179	332	12984	SLV 3	0.57	2474	1.666	667772	70991	796256	SLV 13	0.57	2474	1.666	Si
296	2007	332	12984	SLV 3	0.57	2474	1.666	741462	60584	796256	SLV 13	0.33	558	0.905	No
336	836	332	12984	SLV 3	0.57	2474	1.666	769076	51446	796256	SLV 13	0.2	171	0.557	No
375	-335	-332	-12984	SLV 13	0.57	2474	1.666	769076	51446	796256	SLV 13	0.2	171	0.557	No
415	-1506	-332	-12984	SLV 13	0.57	2474	1.666	758863	42311	796256	SLV 13	0.32	528	0.885	No
435	-2092	-332	-12984	SLV 13	0.57	2474	1.666	737710	37112	796256	SLV 13	0.56	2327	1.625	Si
474	-3263	-332	-12984	SLV 13	0.57	2474	1.666	660693	26722	796256	SLV 13	0.57	2474	1.666	Si
514	-4434	-332	-6713	SLV 13	0.57	2474	1.666	537398	16353	796256	SLV 13	0.57	2474	1.666	Si
545	-5368	-332	-6713	SLV 13	0.57	2474	1.666	282530	3869	796256	SLV 9	0.57	2474	1.666	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	10346	117	16440	SLD 3	0.6	2474	4.193	-1036913	-55872	-796256	SLD 1	0	0	0	No
40	9620	117	16440	SLD 3	0.6	2474	4.193	-1036913	-55872	-796256	SLD 1	0	0	0	No
79	8449	117	12984	SLD 3	0.6	2474	4.193	-651699	-57828	-796256	SLD 3	0.34	590	2.33	Si
119	7277	117	12984	SLD 3	0.6	2474	4.193	-312204	-53223	-796256	SLD 3	0.6	2474	4.193	Si
138	6692	117	12984	SLD 3	0.6	2474	4.193	-159812	-50921	-796256	SLD 3	0.6	2474	4.193	Si
178	5521	117	12984	SLD 3	0.6	2474	4.193	381555	40593	796256	SLD 13	0.6	2474	4.193	Si
217	4350	117	12984	SLD 3	0.6	2474	4.193	547803	35989	796256	SLD 13	0.6	2474	4.193	Si
257	3179	117	12984	SLD 3	0.6	2474	4.193	667772	31387	796256	SLD 13	0.54	2098	3.919	Si
296	2007	117	12984	SLD 3	0.6	2474	4.193	741462	26785	796256	SLD 13	0.28	375	1.935	Si
336	836	117	12984	SLD 3	0.6	2474	4.193	769076	22744	796256	SLD 13	0.17	119	1.208	Si
375	-335	-117	-12984	SLD 13	0.6	2474	4.193	769076	22744	796256	SLD 13	0.17	119	1.208	Si
415	-1506	-117	-12984	SLD 13	0.6	2474	4.193	758863	18705	796256	SLD 13	0.27	355	1.892	Si
435	-2092	-117	-12984	SLD 13	0.6	2474	4.193	737710	16407	796256	SLD 13	0.48	1453	3.371	Si
474	-3263	-117	-12984	SLD 13	0.6	2474	4.193	660693	11813	796256	SLD 13	0.6	2474	4.193	Si
514	-4434	-117	-6713	SLD 13	0.6	2474	4.193	537398	7228	796256	SLD 13	0.6	2474	4.193	Si
545	-5368	-117	-6713	SLD 13	0.6	2474	4.193	282530	1708	796256	SLD 9	0.6	2474	4.193	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" (2291; 4226)-(2666; 4226)

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x50	Rettangolare	30	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 15A - 15, sezione R 30x50, asta 726

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4						-1151272	SLU 30	-969488	-942903	0.129	No
27	11.4	5.4	15.21	5.4						-1012053	SLU 30	-943946	-942903	0.129	No
54	11.4	5.4	15.21	5.4						-876425	SLU 30	-867318	-942903	0.129	Si
70	11.4	5.4	15.21	5.4						-799588	SLU 30	-799588	-942903	0.129	Si
81	11.4	5.4	15.21	5.4						-744388	SLU 30	-799588	-942903	0.129	Si
109	11.4	5.4	13.39	5.4						-615943	SLU 30	-710689	-943016	0.13	Si
122	11.4	5.4	11.4	5.4						-553067	SLU 30	-646485	-943145	0.131	Si
149	11.4	5.4	11.4	5.4						-430008	SLU 30	-520771	-943145	0.131	Si
176	11.4	5.4	11.4	5.4						-310540	SLU 30	-398648	-943145	0.131	Si
204	11.4	5.4	11.4	5.4						-194664	SLU 30	-280116	-943145	0.131	Si
231	11.4	5.4	11.4	5.4	-43397	SLU 1	5189	943145	0.131	-82379	SLU 30	-165175	-943145	0.131	Si
258	11.4	5.4	11.4	5.4	27143	SLU 36	104267	943145	0.131	19494	SLU 1	-53826	-943145	0.131	Si
285	11.4	5.4	11.4	5.4	131417	SLU 30	206714	943145	0.131						Si
312	11.4	5.4	11.4	5.4	232928	SLU 30	305570	943145	0.131						Si
326	11.4	5.4	11.4	5.4	282337	SLU 30	353651	943145	0.131						Si
353	11.4	5.4	11.4	5.4	378462	SLU 30	447120	943145	0.131						Si
375	11.4	5.4	11.4	5.4	452904	SLU 30	452904	943145	0.131						Si
380	11.4	5.4	11.4	5.4	470995	SLU 30	469469	943145	0.131						Si
407	11.4	5.4	11.4	5.4	559937	SLU 30	507654	943145	0.131						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	1288482	SLV 13	1115500	1241450	0.143	-2870281	SLV 3	-2443459	-942903	0.129	No
27	11.4	5.4	15.21	5.4	1152989	SLV 13	1088118	1241450	0.143	-2540633	SLV 3	-2380663	-942903	0.129	No
54	11.4	5.4	15.21	5.4	1014734	SLV 13	1005973	1241450	0.143	-2213748	SLV 3	-2192277	-942903	0.129	No
70	11.4	5.4	15.21	5.4	933367	SLV 13	933367	1241450	0.143	-2025769	SLV 3	-2025769	-942903	0.129	No
81	11.4	5.4	15.21	5.4	873718	SLV 13	933367	1241450	0.143	-1889628	SLV 3	-2025769	-942903	0.129	No
109	11.4	5.4	13.39	5.4	729942	SLV 13	836438	1099247	0.137	-1568272	SLV 3	-1805720	-943016	0.13	No
122	11.4	5.4	11.4	5.4	657019	SLV 13	764535	943145	0.131	-1408631	SLV 3	-1645057	-943145	0.131	No
149	11.4	5.4	11.4	5.4	509107	SLV 13	618661	943145	0.131	-1091426	SLV 3	-1325805	-943145	0.131	No
176	11.4	5.4	11.4	5.4	358445	SLV 13	470031	943145	0.131	-776997	SLV 3	-1009323	-943145	0.131	No
204	11.4	5.4	11.4	5.4	205064	SLV 13	318657	943145	0.131	-465374	SLV 3	-695621	-943145	0.131	Si
231	11.4	5.4	11.4	5.4	49367	SLV 13	164596	943145	0.131	-156960	SLV 3	-384757	-943145	0.131	Si
258	11.4	5.4	11.4	5.4	150180	SLV 3	374576	943145	0.131	-110580	SLV 13	-229860	-943145	0.131	Si
285	11.4	5.4	11.4	5.4	453421	SLV 3	675879	943145	0.131	-272154	SLV 13	-393581	-943145	0.131	Si
312	11.4	5.4	11.4	5.4	754021	SLV 3	974456	943145	0.131	-436612	SLV 13	-560101	-943145	0.131	No
326	11.4	5.4	11.4	5.4	903295	SLV 3	1122713	943145	0.131	-519887	SLV 13	-644402	-943145	0.131	No
353	11.4	5.4	11.4	5.4	1199781	SLV 3	1417161	943145	0.131	-688518	SLV 13	-815080	-943145	0.131	No
375	11.4	5.4	11.4	5.4	1435657	SLV 3	1435657	943145	0.131	-825942	SLV 13	-825942	-943145	0.131	No
380	11.4	5.4	11.4	5.4	1493510	SLV 3	1488716	943145	0.131	-859917	SLV 13	-857144	-943145	0.131	No
407	11.4	5.4	11.4	5.4	1784480	SLV 3	1611021	943145	0.131	-1034082	SLV 13	-929067	-943145	0.131	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	129292	SLD 13	123496	1241450	0.143	-1711090	SLD 3	-1451454	-942903	0.129	No
27	11.4	5.4	15.21	5.4	123450	SLD 13	121249	1241450	0.143	-1511093	SLD 3	-1413794	-942903	0.129	No
54	11.4	5.4	15.21	5.4	114845	SLD 13	114510	1241450	0.143	-1313859	SLD 3	-1300815	-942903	0.129	No
70	11.4	5.4	15.21	5.4	108554	SLD 13	108554	1241450	0.143	-1200956	SLD 3	-1200956	-942903	0.129	No
81	11.4	5.4	15.21	5.4	103479	SLD 13	108554	1241450	0.143	-1119388	SLD 3	-1200956	-942903	0.129	No
109	11.4	5.4	13.39	5.4	89351	SLD 13	99978	1099247	0.137	-927680	SLD 3	-1069260	-943016	0.13	No
122	11.4	5.4	11.4	5.4	81251	SLD 13	92899	943145	0.131	-832863	SLD 3	-973421	-943145	0.131	No
149	11.4	5.4	11.4	5.4	62983	SLD 13	76671	943145	0.131	-645303	SLD 3	-783815	-943145	0.131	Si
176	11.4	5.4	11.4	5.4	41958	SLD 13	57685	943145	0.131	-460510	SLD 3	-596976	-943145	0.131	Si
204	11.4	5.4	11.4	5.4	18190	SLD 13	35943	943145	0.131	-278500	SLD 3	-412906	-943145	0.131	Si
231	11.4	5.4	11.4	5.4	-8144	SLD 13	31832	943145	0.131	-99449	SLD 3	-231633	-943145	0.131	Si
258	11.4	5.4	11.4	5.4	77496	SLD 3	206098	943145	0.131	-37897	SLD 13	-61382	-943145	0.131	Si
285	11.4	5.4	11.4	5.4	251178	SLD 3	377783	943145	0.131	-69911	SLD 13	-95485	-943145	0.131	Si
312	11.4	5.4	11.4	5.4	422150	SLD 3	546722	943145	0.131	-104741	SLD 13	-132367	-943145	0.131	Si
326	11.4	5.4	11.4	5.4	506605	SLD 3	630157	943145	0.131	-123197	SLD 13	-151846	-943145	0.131	Si
353	11.4	5.4	11.4	5.4	673447	SLD 3	794958	943145	0.131	-162184	SLD 13	-192877	-943145	0.131	Si
375	11.4	5.4	11.4	5.4	805271	SLD 3	805271	943145	0.131	-195556	SLD 13	-195556	-943145	0.131	Si
380	11.4	5.4	11.4	5.4	837529	SLD 3	834844	943145	0.131	-203936	SLD 13	-203272	-943145	0.131	Si
407	11.4	5.4	11.4	5.4	998849	SLD 3	903011	943145	0.131	-248451	SLD 13	-221057	-943145	0.131	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	5196	SLU 30	5196	6985	35398	0	6985	1	Si
27	0	11.4	0	5063	SLU 30	5063	6985	35398	0	6985	1	Si
54	0	11.4	0	4931	SLU 30	4931	6985	35398	0	6985	1	Si
70	0.201	11.4	0	4854	SLU 30	4854	6985	35398	16115	16115	1	Si
81	0.201	11.4	0	4799	SLU 30	4799	6985	35398	16115	16115	1	Si
109	0.201	11.4	0	4666	SLU 30	4666	6985	35398	16115	16115	1	Si
122	0.187	11.4	0	4600	SLU 30	4600	6985	35398	14964	14964	1	Si
149	0.187	11.4	0	4468	SLU 30	4468	6985	35398	14964	14964	1	Si
176	0.187	11.4	0	4335	SLU 30	4335	6985	35398	14964	14964	1	Si
204	0.187	11.4	0	4203	SLU 30	4203	6985	35398	14964	14964	1	Si
231	0.187	11.4	0	4071	SLU 30	4071	6985	35398	14964	14964	1	Si
258	0.187	11.4	0	3939	SLU 30	3939	6985	35398	14964	14964	1	Si
285	0.187	11.4	0	3806	SLU 30	3806	6985	35398	14964	14964	1	Si
312	0.187	11.4	0	3674	SLU 30	3674	6985	35398	14964	14964	1	Si
326	0.181	11.4	0	3608	SLU 30	3608	6985	35398	14504	14504	1	Si
353	0.181	11.4	0	3475	SLU 30	3475	6985	35398	14504	14504	1	Si
375	0.181	11.4	0	3369	SLU 30	3369	6985	35398	14504	14504	1	Si
380	0	11.4	0	3343	SLU 30	3343	6985	35398	0	6985	1	Si
407	0	11.4	0	3211	SLU 30	3211	6985	35398	0	6985	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	12197	SLV 3	14424	6985	35398	0	6985	1	Si
0	0	15.21	0	-4941	SLV 13	-7169	-7687	-35398	0	-7687	1	Si
27	0	11.4	0	12095	SLV 3	14323	6985	35398	0	6985	1	Si
27	0	15.21	0	-5043	SLV 13	-7271	-7687	-35398	0	-7687	1	Si
54	0	11.4	0	11993	SLV 3	14221	6985	35398	0	6985	1	Si
54	0	14.31	0	-5145	SLV 13	-7373	-7533	-35398	0	-7533	1	Si
70	0.201	11.4	0	11934	SLV 3	14162	6985	35398	16115	16115	1	Si
70	0.201	13.39	0	-5204	SLV 13	-7432	-7369	-35398	-16115	-16115	1	Si
81	0.201	11.4	0	11891	SLV 3	14119	6985	35398	16115	16115	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
81	0.201	11.4	0	-5247	SLV 13	-7475	-6985	-35398	-16115	-16115	1	Si
109	0.201	11.4	0	11789	SLV 3	14017	6985	35398	16115	16115	1	Si
109	0.201	11.4	0	-5348	SLV 13	-7576	-6985	-35398	-16115	-16115	1	Si
122	0.187	11.4	0	11738	SLV 3	13966	6985	35398	14964	14964	1	Si
122	0.187	11.4	0	-5399	SLV 13	-7627	-6985	-35398	-14964	-14964	1	Si
149	0.187	11.4	0	11637	SLV 3	13865	6985	35398	14964	14964	1	Si
149	0.187	11.4	0	-5501	SLV 13	-7729	-6985	-35398	-14964	-14964	1	Si
176	0.187	11.4	0	11535	SLV 3	13763	6985	35398	14964	14964	1	Si
176	0.187	11.4	0	-5603	SLV 13	-7831	-6985	-35398	-14964	-14964	1	Si
204	0.187	11.4	0	11433	SLV 3	13661	6985	35398	14964	14964	1	Si
204	0.187	11.4	0	-5705	SLV 13	-7933	-6985	-35398	-14964	-14964	1	Si
231	0.187	11.4	0	11331	SLV 3	13559	6985	35398	14964	14964	1	Si
231	0.187	11.4	0	-5806	SLV 13	-8034	-6985	-35398	-14964	-14964	1	Si
258	0.187	11.4	0	11230	SLV 3	13458	6985	35398	14964	14964	1	Si
258	0.187	11.4	0	-5908	SLV 13	-8136	-6985	-35398	-14964	-14964	1	Si
285	0.187	11.4	0	11128	SLV 3	13356	6985	35398	14964	14964	1	Si
285	0.187	11.4	0	-6010	SLV 13	-8238	-6985	-35398	-14964	-14964	1	Si
312	0.187	11.4	0	11026	SLV 3	13254	6985	35398	14964	14964	1	Si
312	0.187	11.4	0	-6112	SLV 13	-8340	-6985	-35398	-14964	-14964	1	Si
326	0.181	11.4	0	10975	SLV 3	13203	6985	35398	14504	14504	1	Si
326	0.181	11.4	0	-6163	SLV 13	-8391	-6985	-35398	-14504	-14504	1	Si
353	0.181	11.4	0	10873	SLV 3	13101	6985	35398	14504	14504	1	Si
353	0.181	11.4	0	-6264	SLV 13	-8492	-6985	-35398	-14504	-14504	1	Si
375	0.181	11.4	0	10792	SLV 3	13020	6985	35398	14504	14504	1	Si
375	0.181	11.4	0	-6346	SLV 13	-8574	-6985	-35398	-14504	-14504	1	Si
380	0	11.4	0	10772	SLV 3	12999	6985	35398	0	6985	1	Si
380	0	11.4	0	-6366	SLV 13	-8594	-6985	-35398	0	-6985	1	Si
407	0	11.4	0	10670	SLV 3	12898	6985	35398	0	6985	1	Si
407	0	11.4	0	-6468	SLV 13	-8696	-6985	-35398	0	-6985	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	7420	SLD 3	7420	6985	35398	0	6985	1	Si
0	0	15.21	0	-164	SLD 13	-164	-7687	-35398	0	-7687	1	Si
27	0	11.4	0	7318	SLD 3	7318	6985	35398	0	6985	1	Si
27	0	15.21	0	-266	SLD 13	-266	-7687	-35398	0	-7687	1	Si
54	0	11.4	0	7216	SLD 3	7216	6985	35398	0	6985	1	Si
54	0	14.31	0	-368	SLD 13	-368	-7533	-35398	0	-7533	1	Si
70	0.201	11.4	0	7157	SLD 3	7157	6985	35398	16115	16115	1	Si
70	0.201	13.39	0	-427	SLD 13	-427	-7369	-35398	-16115	-16115	1	Si
81	0.201	11.4	0	7114	SLD 3	7114	6985	35398	16115	16115	1	Si
81	0.201	11.4	0	-470	SLD 13	-470	-6985	-35398	-16115	-16115	1	Si
109	0.201	11.4	0	7012	SLD 3	7012	6985	35398	16115	16115	1	Si
109	0.201	11.4	0	-572	SLD 13	-572	-6985	-35398	-16115	-16115	1	Si
122	0.187	11.4	0	6962	SLD 3	6962	6985	35398	14964	14964	1	Si
122	0.187	11.4	0	-622	SLD 13	-622	-6985	-35398	-14964	-14964	1	Si
149	0.187	11.4	0	6860	SLD 3	6860	6985	35398	14964	14964	1	Si
149	0.187	11.4	0	-724	SLD 13	-724	-6985	-35398	-14964	-14964	1	Si
176	0.187	11.4	0	6758	SLD 3	6758	6985	35398	14964	14964	1	Si
176	0.187	11.4	0	-826	SLD 13	-826	-6985	-35398	-14964	-14964	1	Si
204	0.187	11.4	0	6656	SLD 3	6656	6985	35398	14964	14964	1	Si
204	0.187	11.4	0	-928	SLD 13	-928	-6985	-35398	-14964	-14964	1	Si
231	0.187	11.4	0	6554	SLD 3	6554	6985	35398	14964	14964	1	Si
231	0.187	11.4	0	-1030	SLD 13	-1030	-6985	-35398	-14964	-14964	1	Si
258	0.187	11.4	0	6453	SLD 3	6453	6985	35398	14964	14964	1	Si
258	0.187	11.4	0	-1131	SLD 13	-1131	-6985	-35398	-14964	-14964	1	Si
285	0.187	11.4	0	6351	SLD 3	6351	6985	35398	14964	14964	1	Si
285	0.187	11.4	0	-1233	SLD 13	-1233	-6985	-35398	-14964	-14964	1	Si
312	0.187	11.4	0	6249	SLD 3	6249	6985	35398	14964	14964	1	Si
312	0.187	11.4	0	-1335	SLD 13	-1335	-6985	-35398	-14964	-14964	1	Si
326	0.181	11.4	0	6198	SLD 3	6198	6985	35398	14504	14504	1	Si
326	0.181	11.4	0	-1386	SLD 13	-1386	-6985	-35398	-14504	-14504	1	Si
353	0.181	11.4	0	6096	SLD 3	6096	6985	35398	14504	14504	1	Si
353	0.181	11.4	0	-1488	SLD 13	-1488	-6985	-35398	-14504	-14504	1	Si
375	0.181	11.4	0	6015	SLD 3	6015	6985	35398	14504	14504	1	Si
375	0.181	11.4	0	-1569	SLD 13	-1569	-6985	-35398	-14504	-14504	1	Si
380	0	11.4	0	5995	SLD 3	5995	6985	35398	0	6985	1	Si
380	0	11.4	0	-1589	SLD 13	-1589	-6985	-35398	0	-6985	1	Si
407	0	11.4	0	5893	SLD 3	5893	6985	35398	0	6985	1	Si
407	0	11.4	0	-1691	SLD 13	-1691	-6985	-35398	0	-6985	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-846071	3	-711633	50.2	124.5	1577.4	1837	-790899	2	-663979	46.8	93.4	0	+∞	Si
27	-743164	3	-692796	48.8	124.5	1535.6	1837	-693822	2	-646273	45.6	93.4	0	+∞	Si
54	-643018	3	-636284	44.8	124.5	1410.4	1837	-599507	2	-593152	41.8	93.4	0	+∞	Si
70	-586336	3	-586336	41.3	124.5	1299.6	1837	-546201	2	-546201	38.5	93.4	0	+∞	Si
81	-545635	3	-586336	41.3	124.5	1299.6	1837	-507955	2	-546201	38.5	93.4	0	+∞	Si
109	-451015	3	-520802	37.9	124.5	1155.7	1837	-419165	2	-484641	35.3	93.4	0	+∞	Si
122	-404740	3	-473507	35.8	124.5	1052.3	1837	-375806	2	-440261	33.2	93.4	0	+∞	Si
149	-314263	3	-380987	28.8	124.5	846.7	1837	-291160	2	-353572	26.7	93.4	0	+∞	Si
176	-226549	3	-291230	22	124.5	647.2	1837	-209276	2	-269646	20.4	93.4	0	+∞	Si
204	-141597	3	-204236	15.4	124.5	453.9	1837	-130155	2	-188482	14.2	93.4	0	+∞	Si
231	-59408	3	-120003	9.1	124.5	266.7	1837	-53796	2	-110080	8.3	93.4	0	+∞	Si
258	20571	9	76889	5.8	124.5	170.9	1837	19800	2	72358	5.5	93.4	0	+∞	Si
285	96683	3	151510	11.4	124.5	336.7	1837	90633	2	141149	10.7	93.4	0	+∞	Si
312	170585	3	223369	16.9	124.5	496.4	1837	158704	2	207177	15.6	93.4	0	+∞	Si
326	206500	3	258263	19.5	124.5	574	1837	191704	2	239156	18.1	93.4	0	+∞	Si
353	276258	3	325978	24.6	124.5	724.5	1837	255632	2	301040	22.7	93.4	0	+∞	Si
375	330163	3	330163	24.9	124.5	733.8	1837	304857	2	304857	23	93.4	0	+∞	Si
380	343254	3	342148	25.8	124.5	760.4	1837	316796	2	315786	23.8	93.4	0	+∞	Si
407	407487	3	369774	27.9	124.5	821.8	1837	375199	2	340977	25.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara	Frequente	Quasi permanente	Verifica

	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
27	-0.012	-0.015	-0.018	-0.025	-0.012	-0.014	-0.018	-0.023	-0.012	-0.013	-0.04	1	-0.047	1	9999	Si
54	-0.023	-0.028	-0.029	-0.04	-0.023	-0.027	-0.029	-0.036	-0.023	-0.026	-0.066	1	-0.078	1	6124	Si
70	-0.028	-0.034	-0.033	-0.046	-0.028	-0.032	-0.033	-0.041	-0.028	-0.031	-0.076	1	-0.09	1	5356	Si
81	-0.03	-0.037	-0.034	-0.048	-0.03	-0.035	-0.034	-0.044	-0.03	-0.034	-0.081	1	-0.095	1	5042	Si
109	-0.034	-0.041	-0.037	-0.051	-0.034	-0.039	-0.037	-0.046	-0.034	-0.038	-0.086	1	-0.102	1	4742	Si
122	-0.034	-0.042	-0.037	-0.051	-0.034	-0.039	-0.037	-0.046	-0.034	-0.039	-0.086	1	-0.102	1	4736	Si
149	-0.034	-0.041	-0.035	-0.049	-0.034	-0.039	-0.035	-0.044	-0.034	-0.038	-0.082	1	-0.098	1	4936	Si
176	-0.031	-0.037	-0.032	-0.044	-0.031	-0.035	-0.032	-0.04	-0.031	-0.035	-0.075	1	-0.089	1	5426	Si
204	-0.026	-0.032	-0.028	-0.038	-0.026	-0.03	-0.028	-0.035	-0.026	-0.03	-0.065	1	-0.077	1	6288	Si
231	-0.021	-0.026	-0.023	-0.031	-0.021	-0.024	-0.023	-0.028	-0.021	-0.024	-0.053	1	-0.063	1	7722	Si
258	-0.015	-0.019	-0.017	-0.024	-0.015	-0.018	-0.017	-0.022	-0.015	-0.017	-0.04	1	-0.048	1	9999	Si
285	-0.01	-0.012	-0.012	-0.017	-0.01	-0.011	-0.012	-0.015	-0.01	-0.011	-0.028	1	-0.034	1	9999	Si
312	-0.005	-0.006	-0.007	-0.011	-0.005	-0.006	-0.007	-0.009	-0.005	-0.006	-0.016	1	-0.02	1	9999	Si
326	-0.003	-0.004	-0.005	-0.008	-0.003	-0.003	-0.005	-0.007	-0.003	-0.003	-0.012	1	-0.015	1	9999	Si
353	0	0	-0.001	-0.003	0	0	-0.001	-0.003	0	0	-0.004	1	-0.006	1	9999	Si
375	0.001	0.001	0	-0.001	0.001	0.001	0	0	0.001	0.001	0	2	-0.001	2	9999	Si
380	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0	2	0	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
70	3365	10797	16115	SLV 3	0.43	1076	1.184	-546201	-1479568	-942903	SLV 3	0.1	45	0.322	No
81	3322	10797	16115	SLV 3	0.43	1085	1.189	-546201	-1479568	-942903	SLV 3	0.1	45	0.322	No
109	3220	10797	16115	SLV 3	0.43	1108	1.199	-484641	-1321079	-943016	SLV 3	0.13	73	0.393	No
122	3170	10797	14964	SLV 3	0.4	883	1.092	-440261	-1204796	-943145	SLV 3	0.16	106	0.458	No
149	3068	10797	14964	SLV 3	0.4	901	1.101	-353572	-972233	-943145	SLV 3	0.23	230	0.629	No
176	2966	10797	14964	SLV 3	0.4	920	1.111	-269646	-739677	-943145	SLV 3	0.33	567	0.911	No
204	2864	10797	14964	SLV 3	0.41	939	1.12	-188482	-507139	-943145	SLV 3	0.53	1990	1.524	Si
231	2762	10797	14964	SLV 3	0.41	959	1.13	-110080	-274676	-943145	SLV 3	0.57	2474	1.666	Si
258	2661	10797	14964	SLV 3	0.41	979	1.139	72358	302218	943145	SLV 3	0.57	2474	1.666	Si
285	2559	10797	14964	SLV 3	0.42	1000	1.149	141149	534730	943145	SLV 3	0.53	2032	1.537	Si
312	2457	10797	14964	SLV 3	0.42	1022	1.16	207177	767278	943145	SLV 3	0.35	643	0.959	No
326	2406	10797	14504	SLV 3	0.41	939	1.12	239156	883557	943145	SLV 3	0.29	417	0.803	No
353	2304	10797	14504	SLV 3	0.41	958	1.129	301040	1116120	943145	SLV 3	0.22	205	0.6	No
375	2223	10797	14504	SLV 3	0.41	974	1.137	304857	1130799	943145	SLV 3	0.21	197	0.59	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
70	3365	3792	16115	SLD 3	0.45	1242	3.161	-546201	-654755	-942903	SLD 3	0.08	30	0.687	No
81	3322	3792	16115	SLD 3	0.45	1252	3.171	-546201	-654755	-942903	SLD 3	0.08	30	0.687	No
109	3220	3792	16115	SLD 3	0.45	1279	3.199	-484641	-584619	-943016	SLD 3	0.11	51	0.854	No
122	3170	3792	14964	SLD 3	0.42	1008	2.902	-440261	-533160	-943145	SLD 3	0.13	74	0.995	No
149	3068	3792	14964	SLD 3	0.42	1031	2.929	-353572	-430243	-943145	SLD 3	0.19	157	1.354	Si
176	2966	3792	14964	SLD 3	0.42	1055	2.956	-269646	-327330	-943145	SLD 3	0.28	379	1.943	Si
204	2864	3792	14964	SLD 3	0.43	1079	2.984	-188482	-224425	-943145	SLD 3	0.45	1242	3.161	Si
231	2762	3792	14964	SLD 3	0.43	1105	3.013	-110080	-121553	-943145	SLD 3	0.6	2474	4.193	Si
258	2661	3792	14964	SLD 3	0.43	1130	3.041	72358	133740	943145	SLD 3	0.6	2474	4.193	Si
285	2559	3792	14964	SLD 3	0.44	1154	3.067	141149	236634	943145	SLD 3	0.45	1269	3.189	Si
312	2457	3792	14964	SLD 3	0.44	1180	3.095	207177	339544	943145	SLD 3	0.3	424	2.034	Si
326	2406	3792	14504	SLD 3	0.43	1079	2.984	239156	391001	943145	SLD 3	0.25	283	1.724	Si
353	2304	3792	14504	SLD 3	0.43	1104	3.012	301040	493918	943145	SLD 3	0.18	141	1.295	Si
375	2223	3792	14504	SLD 3	0.43	1124	3.034	304857	500414	943145	SLD 3	0.18	135	1.273	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" (2396; 3201)-37

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x60	Rettangolare	30	60	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - ?, sezione R 30x60, asta 721

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	370	SLU 26	370	796256	0.099						Si
11	7.6	5.4	7.6	5.4						-20380	SLU 26	-20380	-796256	0.099	Si
23	7.6	5.4	7.6	5.4						-41971	SLU 26	-41971	-796256	0.099	Si
25	7.6	5.4	7.6	5.4						-46533	SLU 26	-96251	-796256	0.099	Si
34	7.6	5.4	7.6	5.4						-64314	SLU 26	-115352	-796256	0.099	Si
45	7.6	5.4	7.6	5.4						-87407	SLU 26	-140075	-796256	0.099	Si
51	7.6	5.4	7.6	5.4						-99236	SLU 26	-152718	-796256	0.099	Si
62	7.6	5.4	7.6	5.4						-123457	SLU 26	-178568	-796256	0.099	Si
74	7.6	5.4	7.6	5.4						-148429	SLU 26	-205169	-796256	0.099	Si
85	7.6	5.4	7.6	5.4						-174153	SLU 26	-232521	-796256	0.099	Si
96	7.6	5.4	7.6	5.4						-200628	SLU 26	-260626	-796256	0.099	Si
108	7.6	5.4	7.6	5.4						-227854	SLU 26	-289481	-796256	0.099	Si
119	7.6	5.4	7.6	5.4						-255832	SLU 26	-319088	-796256	0.099	Si
130	7.6	5.4	7.6	5.4						-284562	SLU 26	-349446	-796256	0.099	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
136	7.6	5.4	7.6	5.4						-299208	SLU 26	-349709	-796256	0.099	Si
147	7.6	5.4	7.6	5.4						-329064	SLU 26	-349709	-796256	0.099	Si
155	7.6	5.4	7.6	5.4						-349709	SLU 26	-349709	-796256	0.099	Si
159	7.6	5.4	7.6	5.4						-359672	SLU 26	-358439	-796256	0.099	Si
170	7.6	5.4	7.6	5.4						-391031	SLU 26	-370052	-796256	0.099	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	1581	SLV 11	1581	796256	0.099	-1082	SLV 5	-1082	-796256	0.099	Si
11	7.6	5.4	7.6	5.4	19956	SLV 9	19956	796256	0.099	-49332	SLV 7	-49332	-796256	0.099	Si
23	7.6	5.4	7.6	5.4	40297	SLV 9	40297	796256	0.099	-100913	SLV 7	-100913	-796256	0.099	Si
25	7.6	5.4	7.6	5.4	44396	SLV 9	86257	796256	0.099	-111622	SLV 7	-225686	-796256	0.099	Si
34	7.6	5.4	7.6	5.4	60061	SLV 9	100906	796256	0.099	-153072	SLV 7	-268152	-796256	0.099	Si
45	7.6	5.4	7.6	5.4	79247	SLV 9	118839	796256	0.099	-205810	SLV 7	-322143	-796256	0.099	Si
51	7.6	5.4	7.6	5.4	88623	SLV 9	127589	796256	0.099	-232395	SLV 7	-349355	-796256	0.099	Si
62	7.6	5.4	7.6	5.4	106941	SLV 9	144654	796256	0.099	-286000	SLV 7	-404213	-796256	0.099	Si
74	7.6	5.4	7.6	5.4	124682	SLV 9	161142	796256	0.099	-340183	SLV 7	-459648	-796256	0.099	Si
85	7.6	5.4	7.6	5.4	141845	SLV 9	177051	796256	0.099	-394943	SLV 7	-515662	-796256	0.099	Si
96	7.6	5.4	7.6	5.4	158429	SLV 9	192383	796256	0.099	-450282	SLV 7	-572254	-796256	0.099	Si
108	7.6	5.4	7.6	5.4	174436	SLV 9	207137	796256	0.099	-506198	SLV 7	-629423	-796256	0.099	Si
119	7.6	5.4	7.6	5.4	189865	SLV 9	221312	796256	0.099	-562693	SLV 7	-687171	-796256	0.099	Si
130	7.6	5.4	7.6	5.4	204715	SLV 9	234910	796256	0.099	-619766	SLV 7	-745497	-796256	0.099	Si
136	7.6	5.4	7.6	5.4	211924	SLV 9	235023	796256	0.099	-648519	SLV 7	-745997	-796256	0.099	Si
147	7.6	5.4	7.6	5.4	225908	SLV 9	235023	796256	0.099	-706458	SLV 7	-745997	-796256	0.099	Si
155	7.6	5.4	7.6	5.4	235023	SLV 9	235023	796256	0.099	-745997	SLV 7	-745997	-796256	0.099	Si
159	7.6	5.4	7.6	5.4	239313	SLV 9	238801	796256	0.099	-764976	SLV 7	-762644	-796256	0.099	Si
170	7.6	5.4	7.6	5.4	252141	SLV 9	243827	796256	0.099	-824072	SLV 7	-784790	-796256	0.099	Si

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	838	SLD 11	838	796256	0.099	-340	SLD 5	-340	-796256	0.099	Si
11	7.6	5.4	7.6	5.4	643	SLD 9	643	796256	0.099	-30019	SLD 7	-30019	-796256	0.099	Si
23	7.6	5.4	7.6	5.4	938	SLD 9	931	796256	0.099	-61553	SLD 7	-61553	-796256	0.099	Si
25	7.6	5.4	7.6	5.4	909	SLD 9	909	796256	0.099	-68135	SLD 7	-138738	-796256	0.099	Si
34	7.6	5.4	7.6	5.4	654	SLD 9	909	796256	0.099	-93665	SLD 7	-165284	-796256	0.099	Si
45	7.6	5.4	7.6	5.4	-208	SLD 9	909	796256	0.099	-126355	SLD 7	-199227	-796256	0.099	Si
51	7.6	5.4	7.6	5.4	-855	SLD 9	891	796256	0.099	-142917	SLD 7	-216415	-796256	0.099	Si
62	7.6	5.4	7.6	5.4	-2584	SLD 9	416	796256	0.099	-176475	SLD 7	-251226	-796256	0.099	Si
74	7.6	5.4	7.6	5.4						-210610	SLD 7	-286614	-796256	0.099	Si
85	7.6	5.4	7.6	5.4						-245323	SLD 7	-322581	-796256	0.099	Si
96	7.6	5.4	7.6	5.4						-280614	SLD 7	-359125	-796256	0.099	Si
108	7.6	5.4	7.6	5.4						-316484	SLD 7	-396247	-796256	0.099	Si
119	7.6	5.4	7.6	5.4						-352931	SLD 7	-433948	-796256	0.099	Si
130	7.6	5.4	7.6	5.4						-389956	SLD 7	-472226	-796256	0.099	Si
136	7.6	5.4	7.6	5.4						-408686	SLD 7	-472555	-796256	0.099	Si
147	7.6	5.4	7.6	5.4						-446578	SLD 7	-472555	-796256	0.099	Si
155	7.6	5.4	7.6	5.4						-472555	SLD 7	-472555	-796256	0.099	Si
159	7.6	5.4	7.6	5.4						-485048	SLD 7	-483509	-796256	0.099	Si
170	7.6	5.4	7.6	5.4						-524097	SLD 7	-498081	-796256	0.099	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-1739	SLU 26	-1739	-6713	-43335	0	-6713	1	Si
11	0	7.6	0	-1872	SLU 26	-1872	-6713	-43335	0	-6713	1	Si
23	0	7.6	0	-1938	SLU 26	-1938	-6713	-43335	0	-6713	1	Si
25	0.046	7.6	0	-1952	SLU 26	-1952	-6713	-43335	-4553	-6713	1	Si
34	0.046	7.6	0	-2005	SLU 26	-2005	-6713	-43335	-4553	-6713	1	Si
45	0.046	7.6	0	-2071	SLU 26	-2071	-6713	-43335	-4553	-6713	1	Si
51	0.046	7.6	0	-2104	SLU 26	-2104	-6713	-43335	-4553	-6713	1	Si
62	0.046	7.6	0	-2170	SLU 26	-2170	-6713	-43335	-4553	-6713	1	Si
74	0.046	7.6	0	-2237	SLU 26	-2237	-6713	-43335	-4553	-6713	1	Si
85	0.046	7.6	0	-2303	SLU 26	-2303	-6713	-43335	-4553	-6713	1	Si
96	0.046	7.6	0	-2369	SLU 26	-2369	-6713	-43335	-4553	-6713	1	Si
108	0.046	7.6	0	-2435	SLU 26	-2435	-6713	-43335	-4553	-6713	1	Si
119	0.046	7.6	0	-2502	SLU 26	-2502	-6713	-43335	-4553	-6713	1	Si
130	0.046	7.6	0	-2568	SLU 26	-2568	-6713	-43335	-4553	-6713	1	Si
136	0.046	7.6	0	-2601	SLU 26	-2601	-6713	-43335	-4553	-6713	1	Si
147	0.046	7.6	0	-2668	SLU 26	-2668	-6713	-43335	-4553	-6713	1	Si
155	0.046	7.6	0	-2712	SLU 26	-2712	-6713	-43335	-4553	-6713	1	Si
159	0	7.6	0	-2734	SLU 26	-2734	-6713	-43335	0	-6713	1	Si
170	0	7.6	0	-2800	SLU 26	-2800	-6713	-43335	0	-6713	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1950	SLV 9	2775	6713	43335	0	6713	1	Si
0	0	7.6	0	-4396	SLV 7	-5221	-6713	-43335	0	-6713	1	Si
11	0	7.6	0	1820	SLV 9	2645	6713	43335	0	6713	1	Si
11	0	7.6	0	-4526	SLV 7	-5351	-6713	-43335	0	-6713	1	Si
23	0	7.6	0	1769	SLV 9	2594	6713	43335	0	6713	1	Si
23	0	7.6	0	-4577	SLV 7	-5402	-6713	-43335	0	-6713	1	Si
25	0.046	7.6	0	1759	SLV 9	2584	6713	43335	4553	6713	1	Si
25	0.046	7.6	0	-4587	SLV 7	-5412	-6713	-43335	-4553	-6713	1	Si
34	0.046	7.6	0	1718	SLV 9	2543	6713	43335	4553	6713	1	Si
34	0.046	7.6	0	-4628	SLV 7	-5453	-6713	-43335	-4553	-6713	1	Si
45	0.046	7.6	0	1667	SLV 9	2492	6713	43335	4553	6713	1	Si
45	0.046	7.6	0	-4679	SLV 7	-5504	-6713	-43335	-4553	-6713	1	Si
51	0.046	7.6	0	1642	SLV 9	2467	6713	43335	4553	6713	1	Si
51	0.046	7.6	0	-4704	SLV 7	-5529	-6713	-43335	-4553	-6713	1	Si
62	0.046	7.6	0	1591	SLV 9	2416	6713	43335	4553	6713	1	Si
62	0.046	7.6	0	-4755	SLV 7	-5580	-6713	-43335	-4553	-6713	1	Si
74	0.046	7.6	0	1540	SLV 9	2365	6713	43335	4553	6713	1	Si
74	0.046	7.6	0	-4806	SLV 7	-5631	-6713	-43335	-4553	-6713	1	Si
85	0.046	7.6	0	1489	SLV 9	2314	6713	43335	4553	6713	1	Si
85	0.046	7.6	0	-4857	SLV 7	-5682	-6713	-43335	-4553	-6713	1	Si
96	0.046	7.6	0	1438	SLV 9	2263	6713	43335	4553	6713	1	Si
96	0.046	7.6	0	-4908	SLV 7	-5733	-6713	-43335	-4553	-6713	1	Si
108	0.046	7.6	0	1387	SLV 9	2212	6713	43335	4553	6713	1	Si
108	0.046	7.6	0	-4959	SLV 7	-5784	-6713	-43335	-4553	-6713	1	Si
119	0.046	7.6	0	1336	SLV 9	2161	6713	43335	4553	6713	1	Si
119	0.046	7.6	0	-5010	SLV 7	-5835	-6713	-43335	-4553	-6713	1	Si
130	0.046	7.6	0	1285	SLV 9	2110	6713	43335	4553	6713	1	Si
130	0.046	7.6	0	-5061	SLV 7	-5886	-6713	-43335	-4553	-6713	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
136	0.046	7.6	0	1259	SLV 9	2084	6713	43335	4553	6713	1	Si
136	0.046	7.6	0	-5087	SLV 7	-5912	-6713	-43335	-4553	-6713	1	Si
147	0.046	7.6	0	1208	SLV 9	2033	6713	43335	4553	6713	1	Si
147	0.046	7.6	0	-5138	SLV 7	-5963	-6713	-43335	-4553	-6713	1	Si
155	0.046	7.6	0	1174	SLV 9	1999	6713	43335	4553	6713	1	Si
155	0.046	7.6	0	-5172	SLV 7	-5997	-6713	-43335	-4553	-6713	1	Si
159	0	7.6	0	1157	SLV 9	1982	6713	43335	0	6713	1	Si
159	0	7.6	0	-5189	SLV 7	-6014	-6713	-43335	0	-6713	1	Si
170	0	7.6	0	1106	SLV 9	1931	6713	43335	0	6713	1	Si
170	0	7.6	0	-5240	SLV 7	-6065	-6713	-43335	0	-6713	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	181	SLD 9	181	6713	43335	0	6713	1	Si
0	0	7.6	0	-2627	SLD 7	-2627	-6713	-43335	0	-6713	1	Si
11	0	7.6	0	51	SLD 9	51	6713	43335	0	6713	1	Si
11	0	7.6	0	-2757	SLD 7	-2757	-6713	-43335	0	-6713	1	Si
23	0	7.6	0	0	SLD 9	0	6713	43335	0	6713	1	Si
23	0	7.6	0	-2808	SLD 7	-2808	-6713	-43335	0	-6713	1	Si
25	0.046	7.6	0	-2818	SLD 7	-2818	-6713	-43335	-4553	-6713	1	Si
34	0.046	7.6	0	-2859	SLD 7	-2859	-6713	-43335	-4553	-6713	1	Si
45	0.046	7.6	0	-2910	SLD 7	-2910	-6713	-43335	-4553	-6713	1	Si
51	0.046	7.6	0	-2935	SLD 7	-2935	-6713	-43335	-4553	-6713	1	Si
62	0.046	7.6	0	-2986	SLD 7	-2986	-6713	-43335	-4553	-6713	1	Si
74	0.046	7.6	0	-3037	SLD 7	-3037	-6713	-43335	-4553	-6713	1	Si
85	0.046	7.6	0	-3088	SLD 7	-3088	-6713	-43335	-4553	-6713	1	Si
96	0.046	7.6	0	-3139	SLD 7	-3139	-6713	-43335	-4553	-6713	1	Si
108	0.046	7.6	0	-3190	SLD 7	-3190	-6713	-43335	-4553	-6713	1	Si
119	0.046	7.6	0	-3241	SLD 7	-3241	-6713	-43335	-4553	-6713	1	Si
130	0.046	7.6	0	-3292	SLD 7	-3292	-6713	-43335	-4553	-6713	1	Si
136	0.046	7.6	0	-3318	SLD 7	-3318	-6713	-43335	-4553	-6713	1	Si
147	0.046	7.6	0	-3369	SLD 7	-3369	-6713	-43335	-4553	-6713	1	Si
155	0.046	7.6	0	-3403	SLD 7	-3403	-6713	-43335	-4553	-6713	1	Si
159	0	7.6	0	-3420	SLD 7	-3420	-6713	-43335	0	-6713	1	Si
170	0	7.6	0	-3471	SLD 7	-3471	-6713	-43335	0	-6713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	282	8	282	0	124.5	0.7	1837	269	1	269	0	93.4	0	+∞	Si
11	-15594	8	-15594	1.1	124.5	41.4	1837	-15223	1	-15223	1	93.4	0	+∞	Si
23	-32128	8	-32128	2.2	124.5	85.4	1837	-31374	1	-31374	2.1	93.4	0	+∞	Si
25	-35622	8	-73706	5	124.5	195.9	1837	-34788	1	-72041	4.9	93.4	0	+∞	Si
34	-49241	8	-88340	6	124.5	234.8	1837	-48103	1	-86371	5.8	93.4	0	+∞	Si
45	-66931	8	-107284	7.2	124.5	285.2	1837	-65410	1	-104931	7.1	93.4	0	+∞	Si
51	-75993	8	-116972	7.9	124.5	310.9	1837	-74280	1	-114428	7.7	93.4	0	+∞	Si
62	-94550	8	-136783	9.2	124.5	363.6	1837	-92454	1	-133855	9	93.4	0	+∞	Si
74	-113686	8	-157171	10.6	124.5	417.8	1837	-111206	1	-153860	10.4	93.4	0	+∞	Si
85	-133399	8	-178138	12	124.5	473.5	1837	-130536	1	-174443	11.8	93.4	0	+∞	Si
96	-153691	8	-199682	13.5	124.5	530.8	1837	-150444	1	-195604	13.2	93.4	0	+∞	Si
108	-174560	8	-221805	15	124.5	589.6	1837	-170930	1	-217343	14.7	93.4	0	+∞	Si
119	-196008	8	-244505	16.5	124.5	649.9	1837	-191994	1	-239660	16.2	93.4	0	+∞	Si
130	-218033	8	-267784	18.1	124.5	711.8	1837	-213636	1	-262555	17.7	93.4	0	+∞	Si
136	-229262	8	-267985	18.1	124.5	712.3	1837	-224673	1	-262753	17.7	93.4	0	+∞	Si
147	-252155	8	-267985	18.1	124.5	712.3	1837	-247182	1	-262753	17.7	93.4	0	+∞	Si
155	-267985	8	-267985	18.1	124.5	712.3	1837	-262753	1	-262753	17.7	93.4	0	+∞	Si
159	-275625	8	-274679	18.6	124.5	730.1	1837	-270269	1	-269338	18.2	93.4	0	+∞	Si
170	-299674	8	-283584	19.2	124.5	753.8	1837	-293934	1	-278099	18.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
11	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
25	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.003	2	9999	Si
34	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
45	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
51	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
62	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	2	-0.006	2	9999	Si
74	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
85	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
96	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
102	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
108	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
119	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.007	2	9999	Si
130	-0.002	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
136	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
147	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
155	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
159	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
25	-1414	-3998	-6713	SLV 7	0.48	1460	1.342	-33613	-78009	-796256	SLV 7	0.57	2474	1.666	Si
34	-1455	-3998	-6713	SLV 7	0.47	1431	1.331	-83623	-184529	-796256	SLV 7	0.57	2474	1.666	Si
45	-1506	-3998	-6713	SLV 7	0.47	1394	1.317	-101652	-220491	-796256	SLV 7	0.57	2474	1.666	Si
51	-1531	-3998	-6713	SLV 7	0.47	1376	1.31	-110883	-238472	-796256	SLV 7	0.57	2474	1.666	Si
62	-1582	-3998	-6713	SLV 7	0.46	1341	1.296	-129779	-274433	-796256	SLV 7	0.57	2474	1.666	Si
74	-1633	-3998	-6713	SLV 7	0.46	1306	1.282	-149253	-310395	-796256	SLV 7	0.57	2474	1.666	Si
85	-1684	-3998	-6713	SLV 7	0.45	1271	1.268	-169305	-346357	-796256	SLV 7	0.57	2474	1.666	Si
96	-1735	-3998	-6713	SLV 7	0.45	1237	1.254	-189935	-382318	-796256	SLV 7	0.56	2360	1.634	Si
108	-1786	-3998	-6713	SLV 7	0.44	1204	1.24	-211143	-418280	-796256	SLV 7	0.5	1687	1.424	Si
119	-1837	-3998	-6713	SLV 7	0.44	1171	1.226	-232929	-454242	-796256	SLV 7	0.45	1225	1.249	Si
130	-1888	-3998	-6713	SLV 7	0.44	1139	1.212	-255293	-490203	-796256	SLV 7	0.4	905	1.103	Si
136	-1914	-3998	-6713	SLV 7	0.43	1123	1.205	-255487	-490510	-796256	SLV 7	0.4	903	1.102	Si

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
147	-1965	-3998	-6713	SLV 7	0.43	1092	1.192	-255487	-490510	-796256	SLV 7	0.4	903	1.102	Si
155	-1999	-3998	-6713	SLV 7	0.43	1071	1.182	-255487	-490510	-796256	SLV 7	0.4	903	1.102	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
25	-1414	-1404	-6713	SLD 7	0.5	1688	3.585	-33613	-34522	-796256	SLD 7	0.6	2474	4.193	Si
34	-1455	-1404	-6713	SLD 7	0.5	1654	3.555	-83623	-81661	-796256	SLD 7	0.6	2474	4.193	Si
45	-1506	-1404	-6713	SLD 7	0.49	1611	3.517	-101652	-97575	-796256	SLD 7	0.6	2474	4.193	Si
51	-1531	-1404	-6713	SLD 7	0.49	1590	3.498	-110883	-105532	-796256	SLD 7	0.6	2474	4.193	Si
62	-1582	-1404	-6713	SLD 7	0.49	1549	3.461	-129779	-121447	-796256	SLD 7	0.6	2474	4.193	Si
74	-1633	-1404	-6713	SLD 7	0.48	1508	3.423	-149253	-137361	-796256	SLD 7	0.6	2474	4.193	Si
85	-1684	-1404	-6713	SLD 7	0.48	1467	3.384	-169305	-153275	-796256	SLD 7	0.54	2094	3.916	Si
96	-1735	-1404	-6713	SLD 7	0.47	1428	3.347	-189935	-169190	-796256	SLD 7	0.48	1470	3.387	Si
108	-1786	-1404	-6713	SLD 7	0.47	1390	3.31	-211143	-185104	-796256	SLD 7	0.42	1053	2.954	Si
119	-1837	-1404	-6713	SLD 7	0.46	1352	3.273	-232929	-201018	-796256	SLD 7	0.38	779	2.611	Si
130	-1888	-1404	-6713	SLD 7	0.46	1315	3.236	-255293	-216932	-796256	SLD 7	0.34	586	2.323	Si
136	-1914	-1404	-6713	SLD 7	0.46	1296	3.217	-255487	-217068	-796256	SLD 7	0.34	585	2.321	Si
147	-1965	-1404	-6713	SLD 7	0.45	1261	3.181	-255487	-217068	-796256	SLD 7	0.34	585	2.321	Si
155	-1999	-1404	-6713	SLD 7	0.45	1236	3.155	-255487	-217068	-796256	SLD 7	0.34	585	2.321	Si

Campata 2 tra i fili ? - ?, sezione R 30x60, asta 720

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-264668	SLU 19	-252758	-796256	0.099	Si
15	7.6	5.4	7.6	5.4						-241499	SLU 24	-241499	-796256	0.099	Si
19	7.6	5.4	7.6	5.4						-235973	SLU 24	-241499	-796256	0.099	Si
37	7.6	5.4	7.6	5.4						-209371	SLU 24	-241499	-796256	0.099	Si
56	7.6	5.4	7.6	5.4						-184877	SLU 26	-217623	-796256	0.099	Si
75	7.6	5.4	7.6	5.4						-162474	SLU 26	-192446	-796256	0.099	Si
84	7.6	5.4	7.6	5.4						-152037	SLU 26	-180667	-796256	0.099	Si
103	7.6	5.4	7.6	5.4						-132875	SLU 35	-158638	-796256	0.099	Si
121	7.6	5.4	7.6	5.4						-116316	SLU 35	-138648	-796256	0.099	Si
140	7.6	5.4	7.6	5.4						-101796	SLU 35	-121392	-796256	0.099	Si
159	7.6	5.4	7.6	5.4						-89315	SLU 35	-106227	-796256	0.099	Si
177	7.6	5.4	7.6	5.4						-79008	SLU 36	-93101	-796256	0.099	Si
196	7.6	5.4	7.6	5.4						-71187	SLU 36	-82013	-796256	0.099	Si
215	7.6	5.4	7.6	5.4						-65403	SLU 36	-73499	-796256	0.099	Si
224	7.6	5.4	7.6	5.4						-63276	SLU 36	-70030	-796256	0.099	Si
243	7.6	5.4	7.6	5.4						-60550	SLU 36	-64622	-796256	0.099	Si
261	7.6	5.4	7.6	5.4						-59863	SLU 36	-61251	-796256	0.099	Si
265	7.6	5.4	7.6	5.4						-60028	SLU 36	-60816	-796256	0.099	Si
280	7.6	5.4	7.6	5.4						-61214	SLU 36	-60323	-796256	0.099	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	184504	SLV 11	162100	796256	0.099	-581187	SLV 5	-540938	-796256	0.099	Si
15	7.6	5.4	7.6	5.4	139179	SLV 11	139179	796256	0.099	-501091	SLV 5	-501091	-796256	0.099	Si
19	7.6	5.4	7.6	5.4	128006	SLV 11	139179	796256	0.099	-481610	SLV 5	-501091	-796256	0.099	Si
37	7.6	5.4	7.6	5.4	69980	SLV 11	139179	796256	0.099	-383641	SLV 5	-501091	-796256	0.099	Si
56	7.6	5.4	7.6	5.4	10478	SLV 11	88450	796256	0.099	-287332	SLV 5	-414496	-796256	0.099	Si
75	7.6	5.4	7.6	5.4	-50244	SLV 11	29408	796256	0.099	-192938	SLV 5	-317655	-796256	0.099	Si
84	7.6	5.4	7.6	5.4						-149509	SLV 1	-269883	-796256	0.099	Si
103	7.6	5.4	7.6	5.4	-41438	SLV 9	70878	796256	0.099	-157118	SLV 7	-236177	-796256	0.099	Si
121	7.6	5.4	7.6	5.4	43620	SLV 9	154740	796256	0.099	-216345	SLV 7	-298336	-796256	0.099	Si
140	7.6	5.4	7.6	5.4	130225	SLV 9	244561	796256	0.099	-280255	SLV 7	-369590	-796256	0.099	Si
159	7.6	5.4	7.6	5.4	217262	SLV 5	330119	796256	0.099	-347732	SLV 11	-439716	-796256	0.099	Si
177	7.6	5.4	7.6	5.4	303253	SLV 5	414232	796256	0.099	-417300	SLV 11	-511534	-796256	0.099	Si
196	7.6	5.4	7.6	5.4	387837	SLV 5	496831	796256	0.099	-488597	SLV 11	-584973	-796256	0.099	Si
215	7.6	5.4	7.6	5.4	470919	SLV 5	577891	796256	0.099	-561528	SLV 11	-660010	-796256	0.099	Si
224	7.6	5.4	7.6	5.4	511886	SLV 5	617840	796256	0.099	-598596	SLV 11	-698123	-796256	0.099	Si
243	7.6	5.4	7.6	5.4	592662	SLV 5	687218	796256	0.099	-673924	SLV 11	-766176	-796256	0.099	Si
261	7.6	5.4	7.6	5.4	671885	SLV 5	687218	796256	0.099	-750836	SLV 11	-766176	-796256	0.099	Si
265	7.6	5.4	7.6	5.4	687218	SLV 5	687218	796256	0.099	-766176	SLV 11	-766176	-796256	0.099	Si
280	7.6	5.4	7.6	5.4	749551	SLV 5	718627	796256	0.099	-829326	SLV 11	-797535	-796256	0.099	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-367737	SLD 5	-344952	-796256	0.099	Si
15	7.6	5.4	7.6	5.4						-322602	SLD 5	-322602	-796256	0.099	Si
19	7.6	5.4	7.6	5.4						-311666	SLD 5	-322602	-796256	0.099	Si
37	7.6	5.4	7.6	5.4						-257179	SLD 5	-322602	-796256	0.099	Si
56	7.6	5.4	7.6	5.4						-204300	SLD 5	-274285	-796256	0.099	Si
75	7.6	5.4	7.6	5.4						-153138	SLD 5	-220894	-796256	0.099	Si
84	7.6	5.4	7.6	5.4						-129566	SLD 1	-194813	-796256	0.099	Si
103	7.6	5.4	7.6	5.4						-124867	SLD 7	-150591	-796256	0.099	Si
121	7.6	5.4	7.6	5.4	-28840	SLD 9	28453	796256	0.099	-143884	SLD 7	-172049	-796256	0.099	Si
140	7.6	5.4	7.6	5.4	15811	SLD 9	73376	796256	0.099	-165841	SLD 7	-198404	-796256	0.099	Si
159	7.6	5.4	7.6	5.4	59779	SLD 5	115537	796256	0.099	-190249	SLD 11	-225134	-796256	0.099	Si
177	7.6	5.4	7.6	5.4	102408	SLD 5	156185	796256	0.099	-216456	SLD 11	-253487	-796256	0.099	Si
196	7.6	5.4	7.6	5.4	143541	SLD 5	195289	796256	0.099	-244301	SLD 11	-283431	-796256	0.099	Si
215	7.6	5.4	7.6	5.4	183135	SLD 5	232837	796256	0.099	-273744	SLD 11	-314956	-796256	0.099	Si
224	7.6	5.4	7.6	5.4	202350	SLD 5	251026	796256	0.099	-289059	SLD 11	-331309	-796256	0.099	Si
243	7.6	5.4	7.6	5.4	239612	SLD 5	282095	796256	0.099	-320874	SLD 11	-361054	-796256	0.099	Si
261	7.6	5.4	7.6	5.4	275313	SLD 5	282095	796256	0.099	-354264	SLD 11	-361054	-796256	0.099	Si
265	7.6	5.4	7.6	5.4	282095	SLD 5	282095	796256	0.099	-361054	SLD 11	-361054	-796256	0.099	Si
280	7.6	5.4	7.6	5.4	309450	SLD 5	296008	796256	0.099	-389226	SLD 11	-374916	-796256	0.099	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1607	SLU 19	1607	6713	43335	0	6713	1	Si
15	0.048	7.6	0	1519	SLU 19	1519	6713	43335	4735	6713	1	Si
19	0.048	7.6	0	1497	SLU 19	1497	6713	43335	4735	6713	1	Si
37	0.048	7.6	0	1388	SLU 19	1388	6713	43335	4735	6713	1	Si
56	0.048	7.6	0	1279	SLU 19	1279	6713	43335	4735	6713	1	Si
75	0.048	7.6	0	1170	SLU 19	1170	6713	43335	4735	6713	1	Si
84	0.048	7.6	0	1115	SLU 19	1115	6713	43335	4735	6713	1	Si
103	0.048	7.6	0	1006	SLU 19	1006	6713	43335	4735	6713	1	Si
121	0.048	7.6	0	897	SLU 19	897	6713	43335	4735	6713	1	Si
140	0.048	7.6	0	788	SLU 19	788	6713	43335	4735	6713	1	Si
159	0.048	7.6	0	678	SLU 19	678	6713	43335	4735	6713	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
177	0.048	7.6	0	569	SLU 19	569	6713	43335	4735	6713	1	Si
196	0.048	7.6	0	460	SLU 19	460	6713	43335	4735	6713	1	Si
215	0.048	7.6	0	351	SLU 19	351	6713	43335	4735	6713	1	Si
224	0.048	7.6	0	296	SLU 19	296	6713	43335	4735	6713	1	Si
243	0.048	7.6	0	187	SLU 19	187	6713	43335	4735	6713	1	Si
261	0.048	7.6	0	78	SLU 19	78	6713	43335	4735	6713	1	Si
261	0.048	7.6	0	-46	SLU 18	-46	-6713	-43335	-4735	-6713	1	Si
265	0.048	7.6	0	56	SLU 19	56	6713	43335	4735	6713	1	Si
265	0.048	7.6	0	-63	SLU 18	-63	-6713	-43335	-4735	-6713	1	Si
280	0	7.6	0	-130	SLU 18	-130	-6713	-43335	0	-6713	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5380	SLV 5	6468	6713	43335	0	6713	1	Si
0	0	7.6	0	-2989	SLV 11	-4077	-6713	-43335	0	-6713	1	Si
15	0.048	7.6	0	5313	SLV 5	6401	6713	43335	4735	6713	1	Si
15	0.048	7.6	0	-3056	SLV 11	-4144	-6713	-43335	-4735	-6713	1	Si
19	0.048	7.6	0	5296	SLV 5	6384	6713	43335	4735	6713	1	Si
19	0.048	7.6	0	-3073	SLV 11	-4161	-6713	-43335	-4735	-6713	1	Si
37	0.048	7.6	0	5212	SLV 5	6300	6713	43335	4735	6713	1	Si
37	0.048	7.6	0	-3157	SLV 11	-4245	-6713	-43335	-4735	-6713	1	Si
56	0.048	7.6	0	5128	SLV 5	6216	6713	43335	4735	6713	1	Si
56	0.048	7.6	0	-3241	SLV 11	-4329	-6713	-43335	-4735	-6713	1	Si
75	0.048	7.6	0	5044	SLV 5	6132	6713	43335	4735	6713	1	Si
75	0.048	7.6	0	-3325	SLV 11	-4413	-6713	-43335	-4735	-6713	1	Si
84	0.048	7.6	0	5002	SLV 5	6090	6713	43335	4735	6713	1	Si
84	0.048	7.6	0	-3367	SLV 11	-4455	-6713	-43335	-4735	-6713	1	Si
103	0.048	7.6	0	4918	SLV 5	6006	6713	43335	4735	6713	1	Si
103	0.048	7.6	0	-3451	SLV 11	-4539	-6713	-43335	-4735	-6713	1	Si
121	0.048	7.6	0	4834	SLV 5	5922	6713	43335	4735	6713	1	Si
121	0.048	7.6	0	-3535	SLV 11	-4623	-6713	-43335	-4735	-6713	1	Si
140	0.048	7.6	0	4750	SLV 5	5838	6713	43335	4735	6713	1	Si
140	0.048	7.6	0	-3619	SLV 11	-4707	-6713	-43335	-4735	-6713	1	Si
159	0.048	7.6	0	4666	SLV 5	5754	6713	43335	4735	6713	1	Si
159	0.048	7.6	0	-3703	SLV 11	-4791	-6713	-43335	-4735	-6713	1	Si
177	0.048	7.6	0	4582	SLV 5	5670	6713	43335	4735	6713	1	Si
177	0.048	7.6	0	-3787	SLV 11	-4875	-6713	-43335	-4735	-6713	1	Si
196	0.048	7.6	0	4498	SLV 5	5586	6713	43335	4735	6713	1	Si
196	0.048	7.6	0	-3871	SLV 11	-4959	-6713	-43335	-4735	-6713	1	Si
215	0.048	7.6	0	4414	SLV 5	5502	6713	43335	4735	6713	1	Si
215	0.048	7.6	0	-3955	SLV 11	-5043	-6713	-43335	-4735	-6713	1	Si
224	0.048	7.6	0	4372	SLV 5	5460	6713	43335	4735	6713	1	Si
224	0.048	7.6	0	-3997	SLV 11	-5085	-6713	-43335	-4735	-6713	1	Si
243	0.048	7.6	0	4288	SLV 5	5376	6713	43335	4735	6713	1	Si
243	0.048	7.6	0	-4081	SLV 11	-5169	-6713	-43335	-4735	-6713	1	Si
261	0.048	7.6	0	4204	SLV 5	5292	6713	43335	4735	6713	1	Si
261	0.048	7.6	0	-4165	SLV 11	-5253	-6713	-43335	-4735	-6713	1	Si
265	0.048	7.6	0	4188	SLV 5	5276	6713	43335	4735	6713	1	Si
265	0.048	7.6	0	-4181	SLV 11	-5269	-6713	-43335	-4735	-6713	1	Si
280	0	7.6	0	4120	SLV 5	5208	6713	43335	0	6713	1	Si
280	0	7.6	0	-4249	SLV 11	-5337	-6713	-43335	0	-6713	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3048	SLD 5	3048	6713	43335	0	6713	1	Si
0	0	7.6	0	-656	SLD 11	-656	-6713	-43335	0	-6713	1	Si
15	0.048	7.6	0	2980	SLD 5	2980	6713	43335	4735	6713	1	Si
15	0.048	7.6	0	-723	SLD 11	-723	-6713	-43335	-4735	-6713	1	Si
19	0.048	7.6	0	2964	SLD 5	2964	6713	43335	4735	6713	1	Si
19	0.048	7.6	0	-740	SLD 11	-740	-6713	-43335	-4735	-6713	1	Si
37	0.048	7.6	0	2880	SLD 5	2880	6713	43335	4735	6713	1	Si
37	0.048	7.6	0	-824	SLD 11	-824	-6713	-43335	-4735	-6713	1	Si
56	0.048	7.6	0	2796	SLD 5	2796	6713	43335	4735	6713	1	Si
56	0.048	7.6	0	-908	SLD 11	-908	-6713	-43335	-4735	-6713	1	Si
75	0.048	7.6	0	2712	SLD 5	2712	6713	43335	4735	6713	1	Si
75	0.048	7.6	0	-992	SLD 11	-992	-6713	-43335	-4735	-6713	1	Si
84	0.048	7.6	0	2670	SLD 5	2670	6713	43335	4735	6713	1	Si
84	0.048	7.6	0	-1034	SLD 11	-1034	-6713	-43335	-4735	-6713	1	Si
103	0.048	7.6	0	2586	SLD 5	2586	6713	43335	4735	6713	1	Si
103	0.048	7.6	0	-1118	SLD 11	-1118	-6713	-43335	-4735	-6713	1	Si
121	0.048	7.6	0	2502	SLD 5	2502	6713	43335	4735	6713	1	Si
121	0.048	7.6	0	-1202	SLD 11	-1202	-6713	-43335	-4735	-6713	1	Si
140	0.048	7.6	0	2418	SLD 5	2418	6713	43335	4735	6713	1	Si
140	0.048	7.6	0	-1286	SLD 11	-1286	-6713	-43335	-4735	-6713	1	Si
159	0.048	7.6	0	2334	SLD 5	2334	6713	43335	4735	6713	1	Si
159	0.048	7.6	0	-1370	SLD 11	-1370	-6713	-43335	-4735	-6713	1	Si
177	0.048	7.6	0	2250	SLD 5	2250	6713	43335	4735	6713	1	Si
177	0.048	7.6	0	-1454	SLD 11	-1454	-6713	-43335	-4735	-6713	1	Si
196	0.048	7.6	0	2166	SLD 5	2166	6713	43335	4735	6713	1	Si
196	0.048	7.6	0	-1538	SLD 11	-1538	-6713	-43335	-4735	-6713	1	Si
215	0.048	7.6	0	2082	SLD 5	2082	6713	43335	4735	6713	1	Si
215	0.048	7.6	0	-1622	SLD 11	-1622	-6713	-43335	-4735	-6713	1	Si
224	0.048	7.6	0	2040	SLD 5	2040	6713	43335	4735	6713	1	Si
224	0.048	7.6	0	-1664	SLD 11	-1664	-6713	-43335	-4735	-6713	1	Si
243	0.048	7.6	0	1956	SLD 5	1956	6713	43335	4735	6713	1	Si
243	0.048	7.6	0	-1748	SLD 11	-1748	-6713	-43335	-4735	-6713	1	Si
261	0.048	7.6	0	1872	SLD 5	1872	6713	43335	4735	6713	1	Si
261	0.048	7.6	0	-1832	SLD 11	-1832	-6713	-43335	-4735	-6713	1	Si
265	0.048	7.6	0	1855	SLD 5	1855	6713	43335	4735	6713	1	Si
265	0.048	7.6	0	-1848	SLD 11	-1848	-6713	-43335	-4735	-6713	1	Si
280	0	7.6	0	1788	SLD 5	1788	6713	43335	0	6713	1	Si
280	0	7.6	0	-1916	SLD 11	-1916	-6713	-43335	0	-6713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-201429	1	-192425	13	124.5	511.5	1837	-201429	1	-192373	13	93.4	0	+∞	Si
15	-183916	6	-183916	12.4	124.5	488.9	1837	-183776	1	-183776	12.4	93.4	0	+∞	Si
19	-179740	6	-183916	12.4	124.5	488.9	1837	-179556	1	-183776	12.4	93.4	0	+∞	Si
37	-159654	6	-183916	12.4	124.5	488.9	1837	-159251	1	-183776	12.4	93.4	0	+∞	Si
56	-141183	8	-165882	11.2	124.5	440.9	1837	-140515	1	-165549	11.2	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
75	-124315	8	-146889	9.9	124.5	390.4	1837	-123346	1	-146316	9.9	93.4	0	+∞	Si
84	-116469	8	-138011	9.3	124.5	366.8	1837	-115349	1	-137288	9.3	93.4	0	+∞	Si
103	-101953	8	-121431	8.2	124.5	322.8	1837	-100533	1	-120407	8.1	93.4	0	+∞	Si
121	-89004	8	-106419	7.2	124.5	282.9	1837	-87284	1	-105094	7.1	93.4	0	+∞	Si
140	-77624	8	-92975	6.3	124.5	247.1	1837	-75603	1	-91350	6.2	93.4	0	+∞	Si
159	-67812	8	-81099	5.5	124.5	215.6	1837	-65490	1	-79173	5.3	93.4	0	+∞	Si
177	-59659	9	-70791	4.8	124.5	188.2	1837	-57024	2	-68564	4.6	93.4	0	+∞	Si
196	-53372	9	-62051	4.2	124.5	164.9	1837	-50380	2	-59524	4	93.4	0	+∞	Si
215	-48653	9	-55237	3.7	124.5	146.8	1837	-45304	2	-52357	3.5	93.4	0	+∞	Si
224	-46881	9	-52433	3.5	124.5	139.4	1837	-43355	2	-49375	3.3	93.4	0	+∞	Si
243	-44514	9	-48002	3.2	124.5	127.6	1837	-40631	2	-44588	3	93.4	0	+∞	Si
261	-43714	9	-45138	3	124.5	120	1837	-39475	2	-41368	2.8	93.4	0	+∞	Si
265	-43788	9	-44750	3	124.5	118.9	1837	-39479	2	-40910	2.8	93.4	0	+∞	Si
280	-44483	9	-43906	3	124.5	116.7	1837	-39888	2	-39454	2.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
15	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
19	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
37	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
56	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	2	-0.009	2	9999	Si
75	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	2	-0.011	2	9999	Si
84	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.011	2	-0.011	2	9999	Si
103	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	2	-0.012	2	9999	Si
121	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	2	-0.012	2	9999	Si
140	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	2	-0.011	2	9999	Si
159	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.011	2	-0.011	2	9999	Si
177	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	2	-0.01	2	9999	Si
196	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
215	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
224	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
243	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
261	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
265	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	1128	5272	6713	SLV 5	0.38	819	1.059	-180956	-320135	-796256	SLV 5	0.57	2474	1.666	Si
19	1112	5272	6713	SLV 5	0.39	824	1.062	-180956	-320135	-796256	SLV 5	0.57	2474	1.666	Si
37	1028	5272	6713	SLV 5	0.39	855	1.078	-180956	-320135	-796256	SLV 5	0.57	2474	1.666	Si
56	944	5272	6713	SLV 5	0.4	886	1.094	-163023	-251473	-796256	SLV 5	0.57	2474	1.666	Si
75	860	5272	6713	SLV 5	0.4	918	1.11	-144123	-173531	-796256	SLV 5	0.57	2474	1.666	Si
84	818	5272	6713	SLV 5	0.41	934	1.118	-135261	-134621	-796256	SLV 5	0.57	2474	1.666	Si
103	734	5272	6713	SLV 5	0.41	967	1.134	-82650	-153527	-796256	SLV 7	0.57	2474	1.666	Si
121	650	5272	6713	SLV 5	0.42	1003	1.151	-71798	-226538	-796256	SLV 11	0.57	2474	1.666	Si
140	566	5272	6713	SLV 5	0.42	1040	1.168	-62514	-307075	-796256	SLV 11	0.57	2474	1.666	Si
159	482	5272	6713	SLV 5	0.43	1078	1.185	-54799	-384918	-796256	SLV 11	0.57	2474	1.666	Si
177	398	5272	6713	SLV 5	0.43	1117	1.203	-48651	-462883	-796256	SLV 11	0.57	2474	1.666	Si
196	314	5272	6713	SLV 5	0.44	1157	1.22	-44071	-540902	-796256	SLV 11	0.5	1660	1.415	Si
215	230	5272	6713	SLV 5	0.44	1197	1.237	-41059	-618950	-796256	SLV 11	0.44	1173	1.227	Si
224	188	5272	6713	SLV 5	0.45	1218	1.246	-40142	-657981	-796256	SLV 11	0.42	1001	1.15	Si
243	104	5272	6713	SLV 5	0.45	1260	1.264	-39479	-726697	-796256	SLV 11	0.38	785	1.041	Si
261	20	5272	6713	SLV 5	0.46	1303	1.281	-39479	-726697	-796256	SLV 11	0.38	785	1.041	Si
265	3	5272	6713	SLV 5	0.46	1311	1.284	-39479	-726697	-796256	SLV 11	0.38	785	1.041	Si

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
15	1128	1852	6713	SLD 5	0.4	932	2.81	-180956	-141646	-796256	SLD 5	0.57	2460	4.183	Si
19	1112	1852	6713	SLD 5	0.41	939	2.818	-180956	-141646	-796256	SLD 5	0.57	2460	4.183	Si
37	1028	1852	6713	SLD 5	0.41	973	2.86	-180956	-141646	-796256	SLD 5	0.57	2460	4.183	Si
56	944	1852	6713	SLD 5	0.42	1012	2.906	-163023	-111262	-796256	SLD 5	0.6	2474	4.193	Si
75	860	1852	6713	SLD 5	0.42	1053	2.954	-144123	-76771	-796256	SLD 5	0.6	2474	4.193	Si
84	818	1852	6713	SLD 5	0.43	1073	2.977	-135261	-59552	-796256	SLD 5	0.6	2474	4.193	Si
103	734	1852	6713	SLD 5	0.43	1115	3.024	-82650	-67941	-796256	SLD 7	0.6	2474	4.193	Si
121	650	1852	6713	SLD 5	0.44	1158	3.071	-71798	-100251	-796256	SLD 11	0.6	2474	4.193	Si
140	566	1852	6713	SLD 5	0.44	1201	3.118	-62514	-135890	-796256	SLD 11	0.6	2474	4.193	Si
159	482	1852	6713	SLD 5	0.45	1244	3.163	-54799	-170336	-796256	SLD 11	0.57	2473	4.192	Si
177	398	1852	6713	SLD 5	0.46	1289	3.209	-48651	-204836	-796256	SLD 11	0.49	1544	3.456	Si
196	314	1852	6713	SLD 5	0.46	1336	3.257	-44071	-239360	-796256	SLD 11	0.42	1036	2.934	Si
215	230	1852	6713	SLD 5	0.47	1382	3.302	-41059	-273896	-796256	SLD 11	0.37	748	2.568	Si
224	188	1852	6713	SLD 5	0.47	1406	3.326	-40142	-291168	-796256	SLD 11	0.35	648	2.421	Si
243	104	1852	6713	SLD 5	0.48	1455	3.373	-39479	-321575	-796256	SLD 11	0.32	510	2.194	Si
261	20	1852	6713	SLD 5	0.48	1505	3.42	-39479	-321575	-796256	SLD 11	0.32	510	2.194	Si
265	3	1852	6713	SLD 5	0.48	1514	3.428	-39479	-321575	-796256	SLD 11	0.32	510	2.194	Si

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Trave a "Piano Terra" (3296; 4291)-(3296; 4520)

Dati iniziali

Analisi di edificio esistente con fattore di struttura
Verifiche effettuate secondo D.M. 17-01-18
Fattore di struttura per meccanismi duttili X = 1.89
Fattore di struttura per meccanismi duttili Y = 1.89
Fattore di struttura per meccanismi duttili Z = 1.5
Fattore di struttura per meccanismi fragili = 1.5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fym 3100 Livello di conoscenza LC1 Fattore di confidenza 1.35
Calcestruzzo: RCK300 LC2 Rcm 300 Livello di conoscenza LC2 Fattore di confidenza 1.2

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x50	Rettangolare	30	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 17 - 6, sezione R 30x50, asta 924

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	292111	SLU 30	292111	1241450	0.143						Si
21	11.4	5.4	15.21	5.4	353576	SLU 30	353576	1241450	0.143						Si
42	11.4	5.4	15.21	5.4	394048	SLU 30	393985	1241450	0.143						Si
43	11.4	5.4	15.21	5.4	394368	SLU 30	413003	1241450	0.143						Si
63	11.4	5.4	15.21	5.4	413522	SLU 30	415385	1241450	0.143						Si
84	11.4	5.4	15.21	5.4	411999	SLU 30	415385	1241450	0.143						Si
95	11.4	5.4	15.21	5.4	403363	SLU 30	415051	1241450	0.143						Si
116	11.4	5.4	15.21	5.4	370414	SLU 29	401991	1241450	0.143						Si
137	11.4	5.4	15.21	5.4	317148	SLU 29	368041	1241450	0.143						Si
158	11.4	5.4	15.21	5.4	242886	SLU 29	313737	1241450	0.143						Si
179	11.4	5.4	15.21	5.4	147629	SLU 29	238437	1241450	0.143	52721	SLU 8	-15606	-942903	0.129	Si
201	11.4	5.4	15.21	5.4	34245	SLU 11	142143	1241450	0.143	-20049	SLU 26	-122735	-942903	0.129	Si
222	11.4	5.4	15.21	5.4	-75813	SLU 2	28638	1241450	0.143	-128510	SLU 35	-267444	-942903	0.129	Si
243	11.4	5.4	15.21	5.4						-275174	SLU 36	-439483	-942903	0.129	Si
253	11.4	5.4	15.21	5.4						-358255	SLU 36	-520790	-942903	0.129	Si
272	11.4	5.4	15.21	5.4						-520790	SLU 30	-520790	-942903	0.129	Si
274	11.4	5.4	15.21	5.4						-546497	SLU 30	-546022	-942903	0.129	Si
296	11.4	5.4	15.21	5.4						-757961	SLU 30	-685520	-942903	0.129	Si
317	11.4	5.4	15.21	5.4						-990416	SLU 30	-732019	-942903	0.129	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	2471678	SLV 7	2210861	1241450	0.143	-2075048	SLV 9	-1721219	-942903	0.129	No
21	11.4	5.4	15.21	5.4	2205467	SLV 7	2139483	1241450	0.143	-1730236	SLV 9	-1640763	-942903	0.129	No
42	11.4	5.4	15.21	5.4	1925402	SLV 7	1925350	1241450	0.143	-1399366	SLV 9	-1399366	-942903	0.129	No
43	11.4	5.4	15.21	5.4	1921645	SLV 7	1921645	1241450	0.143	-1395221	SLV 9	-1395221	-942903	0.129	No
63	11.4	5.4	15.21	5.4	1631511	SLV 7	1911048	1241450	0.143	-1082472	SLV 9	-1383532	-942903	0.129	No
84	11.4	5.4	15.21	5.4	1323859	SLV 7	1616476	1241450	0.143	-779616	SLV 9	-1067330	-942903	0.129	No
95	11.4	5.4	15.21	5.4	1164915	SLV 7	1464025	1241450	0.143	-633496	SLV 9	-914489	-942903	0.129	No
116	11.4	5.4	15.21	5.4	837000	SLV 7	1148872	1241450	0.143	-352077	SLV 9	-619407	-942903	0.129	Si
137	11.4	5.4	15.21	5.4	496514	SLV 7	820318	1241450	0.143	-85887	SLV 9	-338724	-942903	0.129	Si
158	11.4	5.4	15.21	5.4	186860	SLV 1	479287	1241450	0.143	121674	SLV 15	-220654	-942903	0.129	Si
179	11.4	5.4	15.21	5.4	417679	SLV 5	632366	1241450	0.143	-239035	SLV 11	-603272	-942903	0.129	Si
201	11.4	5.4	15.21	5.4	643359	SLV 5	845374	1241450	0.143	-622401	SLV 11	-1000388	-942903	0.129	No
222	11.4	5.4	15.21	5.4	855700	SLV 5	1044724	1241450	0.143	-1020225	SLV 11	-1411641	-942903	0.129	No
243	11.4	5.4	15.21	5.4	1054373	SLV 5	1230293	1241450	0.143	-1432174	SLV 11	-1836907	-942903	0.129	No
253	11.4	5.4	15.21	5.4	1148543	SLV 5	1303596	1241450	0.143	-1643405	SLV 11	-2019024	-942903	0.129	No
272	11.4	5.4	15.21	5.4	1303596	SLV 5	1303596	1241450	0.143	-2019024	SLV 11	-2019024	-942903	0.129	No
274	11.4	5.4	15.21	5.4	1326517	SLV 5	1324144	1241450	0.143	-2076347	SLV 11	-2073333	-942903	0.129	No
296	11.4	5.4	15.21	5.4	1490643	SLV 5	1437747	1241450	0.143	-2523232	SLV 11	-2373588	-942903	0.129	No
317	11.4	5.4	15.21	5.4	1640904	SLV 5	1475615	1241450	0.143	-2984044	SLV 11	-2473673	-942903	0.129	No

Verifiche SLD Resistenza a flessione

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	1204294	SLD 7	1114807	1241450	0.143	-807664	SLD 9	-625164	-942903	0.129	Si
21	11.4	5.4	15.21	5.4	1108403	SLD 7	1085752	1241450	0.143	-633172	SLD 9	-587032	-942903	0.129	Si
42	11.4	5.4	15.21	5.4	998633	SLD 7	998586	1241450	0.143	-472597	SLD 9	-472597	-942903	0.129	Si
43	11.4	5.4	15.21	5.4	997078	SLD 7	997078	1241450	0.143	-470655	SLD 9	-470655	-942903	0.129	Si
63	11.4	5.4	15.21	5.4	874995	SLD 7	992694	1241450	0.143	-325955	SLD 9	-465177	-942903	0.129	Si
84	11.4	5.4	15.21	5.4	737519	SLD 7	868372	1241450	0.143	-193276	SLD 9	-319225	-942903	0.129	Si
95	11.4	5.4	15.21	5.4	663610	SLD 7	801019	1241450	0.143	-132191	SLD 9	-251483	-942903	0.129	Si
116	11.4	5.4	15.21	5.4	505543	SLD 7	655966	1241450	0.143	-20620	SLD 9	-126501	-942903	0.129	Si
137	11.4	5.4	15.21	5.4	334165	SLD 7	497233	1241450	0.143	76463	SLD 9	-15639	-942903	0.129	Si
158	11.4	5.4	15.21	5.4	168686	SLD 1	325231	1241450	0.143	139848	SLD 15	-45966	-942903	0.129	Si
179	11.4	5.4	15.21	5.4	234629	SLD 5	287945	1241450	0.143	-55985	SLD 11	-258851	-942903	0.129	Si
201	11.4	5.4	15.21	5.4	290541	SLD 5	330884	1241450	0.143	-269583	SLD 11	-485898	-942903	0.129	Si
222	11.4	5.4	15.21	5.4	332802	SLD 5	360031	1241450	0.143	-497327	SLD 11	-726949	-942903	0.129	Si
243	11.4	5.4	15.21	5.4	361267	SLD 5	375333	1241450	0.143	-739068	SLD 11	-981948	-942903	0.129	No
253	11.4	5.4	15.21	5.4	370309	SLD 5	377439	1241450	0.143	-865171	SLD 11	-1092868	-942903	0.129	No
272	11.4	5.4	15.21	5.4	377439	SLD 5	377439	1241450	0.143	-1092868	SLD 11	-1092868	-942903	0.129	No
274	11.4	5.4	15.21	5.4	377993	SLD 5	377121	1241450	0.143	-1127822	SLD 11	-1126310	-942903	0.129	No
296	11.4	5.4	15.21	5.4	371803	SLD 5	371803	1241450	0.143	-1404392	SLD 11	-1311204	-942903	0.129	No
317	11.4	5.4	15.21	5.4	351730	SLD 5	351730	1241450	0.143	-1694870	SLD 11	-1372836	-942903	0.129	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	3423	SLU 29	3423	7687	35398	0	7687	1	Si
21	0	15.21	0	2450	SLU 29	2450	7687	35398	0	7687	1	Si
42	0	15.21	0	1455	SLU 29	1455	7687	35398	0	7687	1	Si
43	0.261	15.21	0	1442	SLU 29	1442	7687	35398	20950	20950	1	Si
63	0.261	15.21	0	461	SLU 29	461	7687	35398	20950	20950	1	Si
63	0.261	15.21	0	-79	SLU 8	-79	-7687	-35398	-20950	-20950	1	Si
84	0.261	15.21	0	-797	SLU 35	-797	-7687	-35398	-20950	-20950	1	Si
95	0.303	15.21	0	-1176	SLU 35	-1176	-7687	-35398	-24322	-24322	1	Si
116	0.303	15.21	0	-2098	SLU 36	-2098	-7687	-35398	-24322	-24322	1	Si
137	0.303	15.21	0	-3056	SLU 30	-3056	-7687	-35398	-24322	-24322	1	Si
158	0.303	15.21	0	-4050	SLU 30	-4050	-7687	-35398	-24322	-24322	1	Si
179	0.303	15.21	0	-5044	SLU 30	-5044	-7687	-35398	-24322	-24322	1	Si
201	0.303	15.21	0	-6039	SLU 30	-6039	-7687	-35398	-24322	-24322	1	Si
222	0.342	11.4	0	-7033	SLU 30	-7033	-6985	-35398	-27396	-27396	1	Si
243	0.342	11.4	0	-8027	SLU 30	-8027	-6985	-35398	-27396	-27396	1	Si
253	0.342	11.4	0	-8524	SLU 30	-8524	-6985	-35398	-27396	-27396	1	Si
272	0.342	11.4	0	-9388	SLU 30	-9388	-6985	-35398	-27396	-27396	1	Si
274	0	11.4	0	-9519	SLU 30	-9519	-6985	-35398	0	-6985	1	Si
296	0	11.4	0	-10513	SLU 30	-10513	-6985	-35398	0	-6985	1	Si
317	0	11.4	0	-11507	SLU 30	-11507	-6985	-35398	0	-6985	1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	16653	SLV 9	20416	6985	35398	0	6985	1	Si
0	0	15.21	0	-12298	SLV 7	-16062	-7687	-35398	0	-7687	1	Si
21	0	11.4	0	16008	SLV 9	19772	6985	35398	0	6985	1	Si
21	0	15.21	0	-12943	SLV 7	-16707	-7687	-35398	0	-7687	1	Si
42	0	11.4	0	15350	SLV 9	19113	6985	35398	0	6985	1	Si
42	0	15.21	0	-13602	SLV 7	-17365	-7687	-35398	0	-7687	1	Si
43	0.261	11.4	0	15341	SLV 9	19105	6985	35398	20950	20950	1	Si
43	0.261	15.21	0	-13610	SLV 7	-17374	-7687	-35398	-20950	-20950	1	Si
63	0.261	11.4	0	14691	SLV 9	18455	6985	35398	20950	20950	1	Si
63	0.261	15.21	0	-14260	SLV 7	-18024	-7687	-35398	-20950	-20950	1	Si
84	0.261	11.4	0	14033	SLV 9	17796	6985	35398	20950	20950	1	Si
84	0.261	15.21	0	-14918	SLV 7	-18682	-7687	-35398	-20950	-20950	1	Si
95	0.303	11.4	0	13704	SLV 9	17467	6985	35398	24322	24322	1	Si
95	0.303	15.21	0	-15248	SLV 7	-19011	-7687	-35398	-24322	-24322	1	Si
116	0.303	11.4	0	13045	SLV 9	16809	6985	35398	24322	24322	1	Si
116	0.303	15.21	0	-15906	SLV 7	-19670	-7687	-35398	-24322	-24322	1	Si
137	0.303	11.4	0	12387	SLV 9	16151	6985	35398	24322	24322	1	Si
137	0.303	15.21	0	-16564	SLV 7	-20328	-7687	-35398	-24322	-24322	1	Si
158	0.303	15.21	0	11729	SLV 9	15492	7687	35398	24322	24322	1	Si
158	0.303	15.21	0	-17222	SLV 7	-20986	-7687	-35398	-24322	-24322	1	Si
179	0.303	15.21	0	11070	SLV 9	14834	7687	35398	24322	24322	1	Si
179	0.303	11.4	0	-17881	SLV 7	-21644	-6985	-35398	-24322	-24322	1	Si
201	0.303	15.21	0	10412	SLV 9	14176	7687	35398	24322	24322	1	Si
201	0.303	11.4	0	-18539	SLV 7	-22303	-6985	-35398	-24322	-24322	1	Si
222	0.342	15.21	0	9754	SLV 9	13518	7687	35398	27396	27396	1	Si
222	0.342	11.4	0	-19197	SLV 7	-22961	-6985	-35398	-27396	-27396	1	Si
243	0.342	15.21	0	9096	SLV 9	12859	7687	35398	27396	27396	1	Si
243	0.342	11.4	0	-19855	SLV 7	-23619	-6985	-35398	-27396	-27396	1	Si
253	0.342	15.21	0	8767	SLV 9	12530	7687	35398	27396	27396	1	Si
253	0.342	11.4	0	-20185	SLV 7	-23948	-6985	-35398	-27396	-27396	1	Si
272	0.342	15.21	0	8195	SLV 9	11959	7687	35398	27396	27396	1	Si
272	0.342	11.4	0	-20756	SLV 7	-24520	-6985	-35398	-27396	-27396	1	Si
274	0	15.21	0	8108	SLV 9	11872	7687	35398	0	7687	1	Si
274	0	11.4	0	-20843	SLV 7	-24606	-6985	-35398	0	-6985	1	Si
296	0	15.21	0	7450	SLV 9	11214	7687	35398	0	7687	1	Si
296	0	11.4	0	-21501	SLV 7	-25265	-6985	-35398	0	-6985	1	Si
317	0	15.21	0	6792	SLV 9	10556	7687	35398	0	7687	1	Si
317	0	11.4	0	-22159	SLV 7	-25923	-6985	-35398	0	-6985	1	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	8583	SLD 9	8583	6985	35398	0	6985	1	Si
0	0	15.21	0	-4228	SLD 7	-4228	-7687	-35398	0	-7687	1	Si
21	0	11.4	0	7938	SLD 9	7938	6985	35398	0	6985	1	Si
21	0	15.21	0	-4873	SLD 7	-4873	-7687	-35398	0	-7687	1	Si
42	0	11.4	0	7280	SLD 9	7280	6985	35398	0	6985	1	Si
42	0	15.21	0	-5532	SLD 7	-5532	-7687	-35398	0	-7687	1	Si
43	0.261	11.4	0	7271	SLD 9	7271	6985	35398	20950	20950	1	Si
43	0.261	15.21	0	-5540	SLD 7	-5540	-7687	-35398	-20950	-20950	1	Si
63	0.261	11.4	0	6621	SLD 9	6621	6985	35398	20950	20950	1	Si
63	0.261	15.21	0	-6190	SLD 7	-6190	-7687	-35398	-20950	-20950	1	Si
84	0.261	11.4	0	5963	SLD 9	5963	6985	35398	20950	20950	1	Si
84	0.261	15.21	0	-6848	SLD 7	-6848	-7687	-35398	-20950	-20950	1	Si
95	0.303	11.4	0	5634	SLD 9	5634	6985	35398	24322	24322	1	Si
95	0.303	15.21	0	-7178	SLD 7	-7178	-7687	-35398	-24322	-24322	1	Si
116	0.303	11.4	0	4975	SLD 9	4975	6985	35398	24322	24322	1	Si
116	0.303	15.21	0	-7836	SLD 7	-7836	-7687	-35398	-24322	-24322	1	Si
137	0.303	15.21	0	4317	SLD 9	4317	7687	35398	24322	24322	1	Si
137	0.303	15.21	0	-8494	SLD 7	-8494	-7687	-35398	-24322	-24322	1	Si
158	0.303	15.21	0	3659	SLD 9	3659	7687	35398	24322	24322	1	Si
158	0.303	15.21	0	-9152	SLD 7	-9152	-7687	-35398	-24322	-24322	1	Si
179	0.303	15.21	0	3000	SLD 9	3000	7687	35398	24322	24322	1	Si
179	0.303	11.4	0	-9811	SLD 7	-9811	-6985	-35398	-24322	-24322	1	Si
201	0.303	15.21	0	2342	SLD 9	2342	7687	35398	24322	24322	1	Si
201	0.303	11.4	0	-10469	SLD 7	-10469	-6985	-35398	-24322	-24322	1	Si
222	0.342	15.21	0	1684	SLD 9	1684	7687	35398	27396	27396	1	Si
222	0.342	11.4	0	-11127	SLD 7	-11127	-6985	-35398	-27396	-27396	1	Si
243	0.342	15.21	0	1026	SLD 9	1026	7687	35398	27396	27396	1	Si
243	0.342	11.4	0	-11785	SLD 7	-11785	-6985	-35398	-27396	-27396	1	Si
253	0.342	15.21	0	697	SLD 9	697	7687	35398	27396	27396	1	Si
253	0.342	11.4	0	-12115	SLD 7	-12115	-6985	-35398	-27396	-27396	1	Si
272	0.342	15.21	0	125	SLD 9	125	7687	35398	27396	27396	1	Si
272	0.342	11.4	0	-12686	SLD 7	-12686	-6985	-35398	-27396	-27396	1	Si
274	0	15.21	0	38	SLD 9	38	7687	35398	0	7687	1	Si
274	0	11.4	0	-12773	SLD 7	-12773	-6985	-35398	0	-6985	1	Si
296	0	11.4	0	-13431	SLD 7	-13431	-6985	-35398	0	-6985	1	Si
317	0	11.4	0	-14089	SLD 7	-14089	-6985	-35398	0	-6985	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	213254	3	213254	14.7	124.5	359.4	1837	198315	2	198315	13.7	93.4	0	+∞	Si
21	257386	3	257386	17.8	124.5	433.8	1837	237616	2	237616	16.4	93.4	0	+∞	Si
42	286290	3	286244	19.8	124.5	482.4	1837	263018	2	262976	18.2	93.4	0	+∞	Si
43	286516	3	299603	20.7	124.5	504.9	1837	263212	2	274227	18.9	93.4	0	+∞	Si
63	299963	3	301088	20.8	124.5	507.4	1837	274520	2	275058	19	93.4	0	+∞	Si
84	298405	3	301088	20.8	124.5	507.4	1837	272121	2	275058	19	93.4	0	+∞	Si
95	291914	3	300822	20.8	124.5	507	1837	265710	2	274768	19	93.4	0	+∞	Si
116	267557	2	290896	20.1	124.5	490.3	1837	242461	2	264732	18.3	93.4	0	+∞	Si
137	228423	2	265811	18.3	124.5	448	1837	205314	2	240797	16.6	93.4	0	+∞	Si
158	174059	2	225924	15.6	124.5	380.8	1837	154267	2	202963	14	93.4	0	+∞	Si
179	104466	2	170807	11.8	124.5	287.9	1837	89322	2	151229	10.4	93.4	0	+∞	Si
201	19645	2	100462	6.9	124.5	169.3	1837	10479	2	85597	5.9	93.4	0	+∞	Si
201	-11707	8	-91212	6.4	124.5	202.2	1837	-3270	1	-80860	5.7	93.4	0	+∞	Si
222	-95500	8	-197409	13.9	124.5	437.6	1837	-85049	1	-183459	12.9	93.4	0	+∞	Si
243	-203061	9	-323058	22.8	124.5	716.1	1837	-188901	2	-303307	21.4	93.4	0	+∞	Si
253	-263804	9	-382225	26.9	124.5	847.2	1837	-247431	2	-357714	25.2	93.4	0	+∞	Si
272	-382225	3	-382225	26.9	124.5	847.2	1837	-357714	2	-357714	25.2	93.4	0	+∞	Si
274	-400931	3	-400585	28.2	124.5	887.9	1837	-374915	2	-374594	26.4	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
296	-554773	3	-502091	35.4	124.5	1112.9	1837	-516294	2	-467921	33	93.4	0	+∞	Si
317	-723841	3	-535926	37.8	124.5	1187.9	1837	-671570	2	-499029	35.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.01	2	0.008	2	9999	Si
42	0.012	0.009	0.009	0.007	0.011	0.009	0.008	0.007	0.011	0.009	0.018	2	0.015	2	9999	Si
43	0.012	0.009	0.009	0.007	0.011	0.009	0.008	0.007	0.011	0.009	0.018	2	0.015	2	9999	Si
63	0.016	0.012	0.012	0.009	0.015	0.012	0.011	0.009	0.014	0.012	0.023	2	0.02	2	9999	Si
84	0.019	0.014	0.014	0.01	0.017	0.014	0.013	0.01	0.017	0.014	0.027	2	0.022	2	9999	Si
95	0.02	0.014	0.014	0.01	0.018	0.014	0.013	0.01	0.017	0.014	0.027	2	0.023	2	9999	Si
106	0.02	0.014	0.014	0.01	0.018	0.014	0.013	0.01	0.018	0.015	0.027	2	0.023	2	9999	Si
116	0.02	0.014	0.014	0.01	0.018	0.014	0.013	0.01	0.018	0.014	0.027	2	0.022	2	9999	Si
137	0.019	0.013	0.013	0.009	0.017	0.013	0.012	0.009	0.017	0.013	0.024	2	0.02	2	9999	Si
158	0.017	0.011	0.011	0.007	0.015	0.011	0.01	0.007	0.014	0.011	0.02	2	0.016	2	9999	Si
179	0.013	0.008	0.008	0.005	0.012	0.009	0.007	0.005	0.012	0.009	0.015	2	0.011	2	9999	Si
201	0.01	0.005	0.005	0.002	0.008	0.006	0.004	0.003	0.008	0.006	0.008	2	0.006	2	9999	Si
222	0.006	0.002	0.002	0	0.005	0.003	0.001	0	0.004	0.003	0.002	2	0	2	9999	Si
243	0.002	-0.001	-0.001	-0.002	0.001	0	-0.001	-0.002	0.001	0	-0.004	2	-0.004	2	9999	Si
253	0	-0.002	-0.002	-0.003	0	-0.001	-0.002	-0.003	0	-0.001	-0.006	2	-0.006	2	9999	Si
272	-0.001	-0.003	-0.003	-0.004	-0.002	-0.002	-0.003	-0.004	-0.002	-0.002	-0.008	2	-0.008	2	9999	Si
274	-0.002	-0.003	-0.003	-0.004	-0.002	-0.002	-0.003	-0.004	-0.002	-0.002	-0.008	2	-0.009	2	9999	Si
296	-0.002	-0.002	-0.003	-0.004	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.007	2	-0.008	2	9999	Si

Indicatori di rischio sismico SLV

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
43	865	18239	20950	SLV 9	0.4	900	1.101	263212	1658433	1241450	SLV 7	0.22	216	0.613	No
63	216	18239	20950	SLV 9	0.41	973	1.137	263758	1647290	1241450	SLV 7	0.22	219	0.617	No
84	-443	-18239	-20950	SLV 7	0.41	947	1.124	274573	1341903	1241450	SLV 7	0.27	335	0.734	No
95	-772	-18239	-24322	SLV 7	0.46	1362	1.305	274768	1189257	1241450	SLV 7	0.3	435	0.817	No
116	-1430	-18239	-24322	SLV 7	0.45	1264	1.265	264732	884140	1241450	SLV 7	0.4	907	1.104	Si
137	-2089	-18239	-24322	SLV 7	0.44	1170	1.226	240797	579521	1241450	SLV 7	0.57	2474	1.666	Si
158	-2747	-18239	-24322	SLV 7	0.43	1081	1.187	92703	-313357	-942903	SLV 11	0.57	2474	1.666	Si
179	-3405	-18239	-24322	SLV 7	0.42	995	1.147	14547	-617819	-942903	SLV 11	0.55	2218	1.593	Si
201	-4063	-18239	-24322	SLV 7	0.4	919	1.11	-77507	-922881	-942903	SLV 11	0.34	609	0.938	No
222	-4722	-18239	-27396	SLV 7	0.45	1232	1.252	-183459	-1228183	-942903	SLV 11	0.23	240	0.64	No
243	-5380	-18239	-27396	SLV 7	0.44	1140	1.213	-303307	-1533600	-942903	SLV 11	0.16	105	0.456	No
253	-5709	-18239	-27396	SLV 7	0.43	1095	1.193	-357714	-1661310	-942903	SLV 11	0.13	75	0.397	No
272	-6281	-18239	-27396	SLV 7	0.42	1021	1.159	-357714	-1661310	-942903	SLV 11	0.13	75	0.397	No

Indicatori di rischio sismico SLD resistenza

x	T gravità	T sisma	T ultimo	Comb.	Pga	Tr	Ind. taglio	M gravità	M sisma	M ultimo	Comb.	Pga	Tr	Ind. momento	Ver
43	865	6406	20950	SLD 9	0.42	1030	2.927	263212	733866	1241450	SLD 7	0.19	148	1.321	Si
63	216	6406	20950	SLD 9	0.43	1123	3.033	263758	728935	1241450	SLD 7	0.19	150	1.329	Si
84	-443	-6406	-20950	SLD 7	0.43	1090	2.996	274573	593799	1241450	SLD 7	0.23	227	1.575	Si
95	-772	-6406	-24322	SLD 7	0.49	1575	3.484	274768	526251	1241450	SLD 7	0.25	296	1.756	Si
116	-1430	-6406	-24322	SLD 7	0.48	1459	3.377	264732	391233	1241450	SLD 7	0.34	589	2.328	Si
137	-2089	-6406	-24322	SLD 7	0.46	1351	3.272	240797	256436	1241450	SLD 7	0.52	1846	3.719	Si
158	-2747	-6406	-24322	SLD 7	0.45	1248	3.167	92703	-138669	-942903	SLD 11	0.6	2474	4.193	Si
179	-3405	-6406	-24322	SLD 7	0.44	1150	3.063	14547	-273398	-942903	SLD 11	0.47	1383	3.303	Si
201	-4063	-6406	-24322	SLD 7	0.42	1054	2.955	-77507	-408391	-942903	SLD 11	0.29	404	1.995	Si
222	-4722	-6406	-27396	SLD 7	0.47	1423	3.342	-183459	-543490	-942903	SLD 11	0.19	164	1.378	Si
243	-5380	-6406	-27396	SLD 7	0.46	1316	3.237	-303307	-678641	-942903	SLD 11	0.13	74	0.995	No
253	-5709	-6406	-27396	SLD 7	0.45	1265	3.185	-357714	-735153	-942903	SLD 11	0.11	54	0.874	No
272	-6281	-6406	-27396	SLD 7	0.44	1179	3.094	-357714	-735153	-942903	SLD 11	0.11	54	0.874	No

Controllo diametro delle barre longitudinali nei nodi

Nessun nodo è da verificare

Comune di Squillace

Provincia di Catanzaro

Piazza Municipio, n° 1, cap 88069, tel. 0961/914020, fax 0961/914019,
e-mail: uff-tecnico-urbanistica@comune.squillace.cz.it, P.I. 00182160796

VERIFICA DELLA VULNERABILITA' SISMICA DELL'EDIFICIO SCOLASTICO "Scuola dell'Infanzia e Primaria via Damiano Assanti n° 15" - codice: 0791420761.

CUP: C89F18000240001 - CIG: ZD125C5F65

Oggetto:

FASCICOLO DEI CALCOLI
RELAZIONE GEOTECNICA E FONDAZIONI

Elab. n°
REL.03.E

Scala:

Data: Marzo 2019

Il Responsabile del Procedimento: Arch. Antonio Macaluso

Soggetti incaricati:

Elio CONTE
Architetto
CAPOGRUPPO

SPI SRL
MANDANTE

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ELIO CONTE
ALBO N. 8590

SPI
STUDIO PROGETTAZIONI D'INGEGNERIA-SPI s.r.l.

ORDINE DEI GEOLOGI della Regione Campania
dr. geol. UGO UGATI Albo n. 1649

Agg.	*Agg.*	*Agg.*	*Agg.*

R.T.P. CONTE

c/o Arch. Elio Conte, Via Carlo de Marco n° 135, 80137 Napoli - Tel./fax 081 7517736, e-mail: conte.arch.elio@fastwebnet.it

Relazione geotecnica e sulle fondazioni

Normativa di riferimento

NORME TECNICHE PER LE COSTRUZIONI NTC 2018
Norme tecniche per le costruzioni D.M. 17 gennaio 2018.

NORME TECNICHE PER LE COSTRUZIONI NTC 2008
Norme tecniche per le costruzioni D.M. 17 gennaio 2018.

CONSIGLIO SUPERIORE DEI LAVORI PUBBLICI
Istruzioni per l'applicazione delle "Norme tecniche per le costruzioni" di cui al D.M. 17 gennaio 2018. Circolare 21 gennaio 2019 n°7.

CONSIGLIO SUPERIORE DEI LAVORI PUBBLICI
Pericolosità sismica e Criteri generali per la classificazione sismica del territorio nazionale. Allegato al voto n. 36 del 27.07.2007

NORMA TECNICA UNI EN 1997-1:2005 (EUROCODICE 7 - PROGETTAZIONE GEOTECNICA)

Progettazione geotecnica - Parte 1: Regole generali.

EUROCODICE 8
Indicazioni progettuali per la resistenza sismica delle strutture - Parte 5: Fondazioni, strutture di contenimento ed aspetti geotecnici.

D.M. 11/03/1988
Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione (norma possibile se si opera in Zona sismica 4, attuali Classi I e II).

Descrizione delle opere in sito

Descrizione delle opere in sito: contiene la descrizione delle opere esistenti in sito e da edificare, la tipologia strutturale presente, la tipologia di intervento previsto, la localizzazione geografica e la pericolosità sismica di base.

La **struttura in oggetto** è stata analizzata secondo la norma D.M. 17-01-18 (N.T.C.), considerandola come tipo di costruzione 2 - Costruzioni con livelli di prestazioni ordinari. In particolare si è prevista, in accordo con il committente, una vita nominale dell’opera di Vn=50 anni per una classe d’uso III, e quindi una vita di riferimento di 75 anni (NTC18 e NTC08 §2.4.3).
L’opera è edificata in località Catanzaro, Squillace; Latitudine ED50 38,7843° (38° 47' 4"); Longitudine ED50 16,5207° (16° 31' 14"); Altitudine s.l.m. 290,96 m. (coordinate esatte: 38,784341 16,520661).

La pericolosità sismica di base del sito di costruzione è definita in termini di accelerazione orizzontale massima attesa al suolo in condizioni ideali su sito di riferimento rigido e superficie topografica orizzontale. Le azioni di progetto si ricavano, ai sensi delle NTC, dalle accelerazioni ag e dalle relative forme spettrali. I tre parametri fondamentali (accelerazione ag, fattore di amplificazione Fo e periodo T*C) si ricavano per ciascun nodo del del reticolo di riferimento in funzione del periodo di ritorno dell’azione sismica TR previsto, espresso in anni; quest’ultimo è noto una volta fissate la vita di riferimento Vr della costruzione e la probabilità di superamento attesa nell’arco della vita di riferimento. Le probabilità di superamento nel periodo di riferimento PVr cui riferirsi per individuare l’azione sismica agente in ciascuno degli stati limite considerati sono riportate nella tabella 3.2.I del §3.2.1 della norma; i valori di PVr forniti in tabella possono essere ridotti in funzione del grado di protezione che si vuole raggiungere.
Nella presente progettazione si sono considerati i seguenti parametri sismici:

PVr SLD (%)	63	
Tr SLD	75.43	
Ag/g SLD	0.098	
Fo SLD	2.328	
Tc* SLD	0.32	[s]
PVr SLV (%)	10	
Tr SLV	711.84	
Ag/g SLV	0.266	
Fo SLV	2.442	
Tc* SLV	0.384	[s]

Risposta sismica locale

Le condizioni stratigrafiche del volume di terreno interessato dall’opera e le condizioni topografiche concorrono a modificare l’azione sismica in superficie rispetto a quella attesa su un sito rigido con superficie orizzontale. Tali modifiche, in ampiezza, durata e contenuto in frequenza, sono il risultato della risposta sismica locale.
Gli effetti stratigrafici sono legati alla successione stratigrafica, alle proprietà meccaniche dei terreni, alla geometria del contatto tra il substrato rigido e i terreni sovrastanti ed alla geometria dei contatti tra gli strati di terreno. Gli effetti topografici sono invece legati alla configurazione topografica del piano campagna ed alla possibile focalizzazione delle onde sismiche in punti particolari (pendii, creste).
Nella presente progettazione l’effetto della risposta sismica locale è stato valutato individuando la categoria di sottosuolo di riferimento corrispondente alla situazione in sito e considerando le condizioni topografiche locali (NTC18 e NTC08 §3.2.2).Per la valutazione del coefficiente di amplificazione stratigrafica SS la caratterizzazione geotecnica condotta nel volume significativo consente di identificare il sottosuolo prevalente nella categoria Altro - Parametri da analisi di risposta sismica locale. Si riporta per completezza la corrispondente descrizione indicata nella norma (NTC18 e NTC08 Tab.

3.2.II).

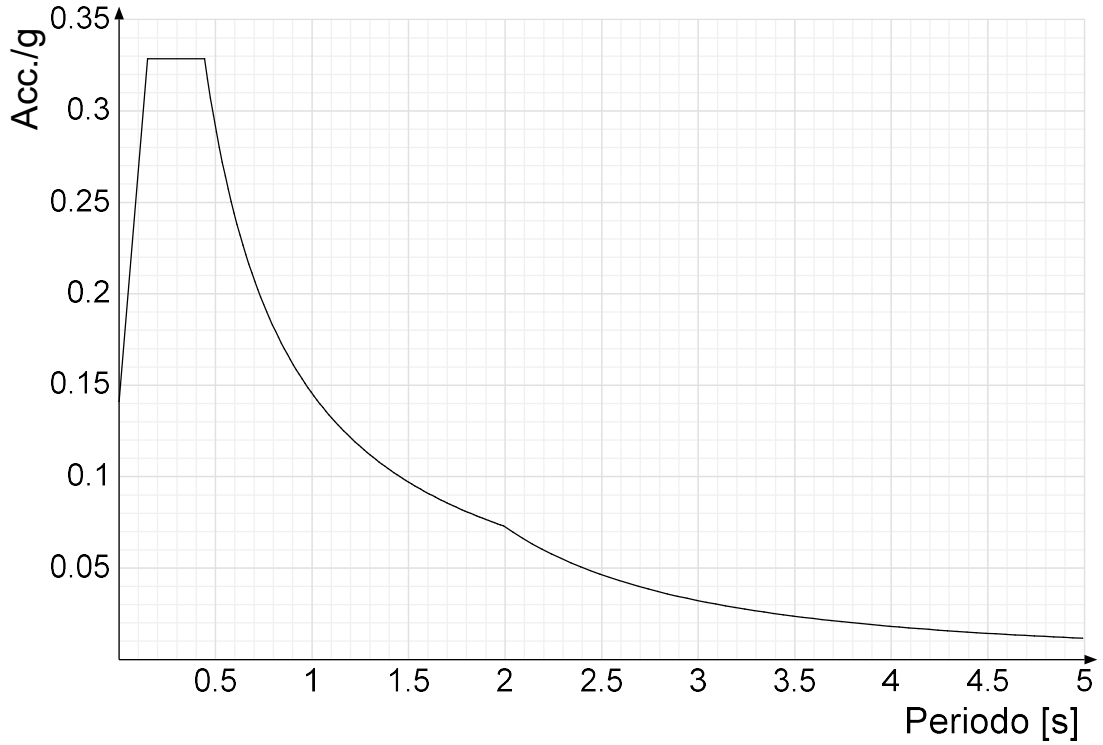
***Categoria suolo Altro**: Parametri da analisi di risposta sismica locale.*

Per la valutazione del coefficiente di amplificazione topografica ST, viste le condizioni in sito e l’orografia della zona, si è attribuita la categoria topografica T2 - Pendii con inclinazione media i>15°. Si riporta per completezza la corrispondente descrizione indicata nella norma (Tab. 3.2.IV).

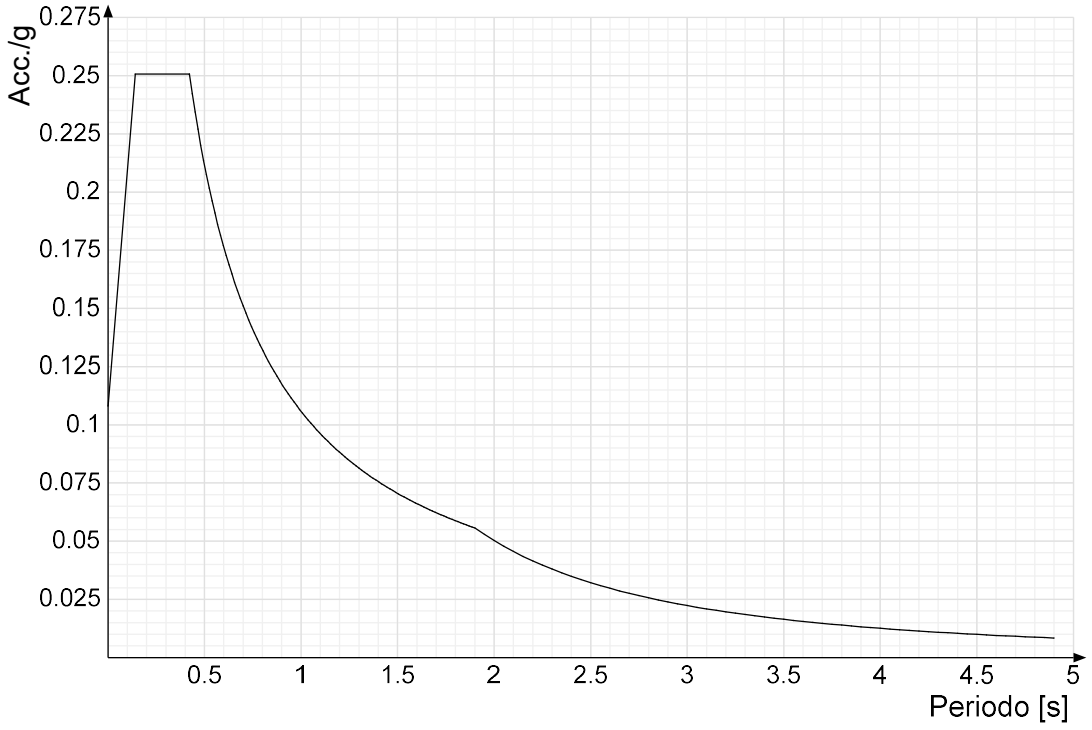
***Categoria topografica T2**: Pendii con inclinazione media i > 15°*

In base alle categorie scelte si sono infine adottati i seguenti coefficienti di amplificazione e spettrali:

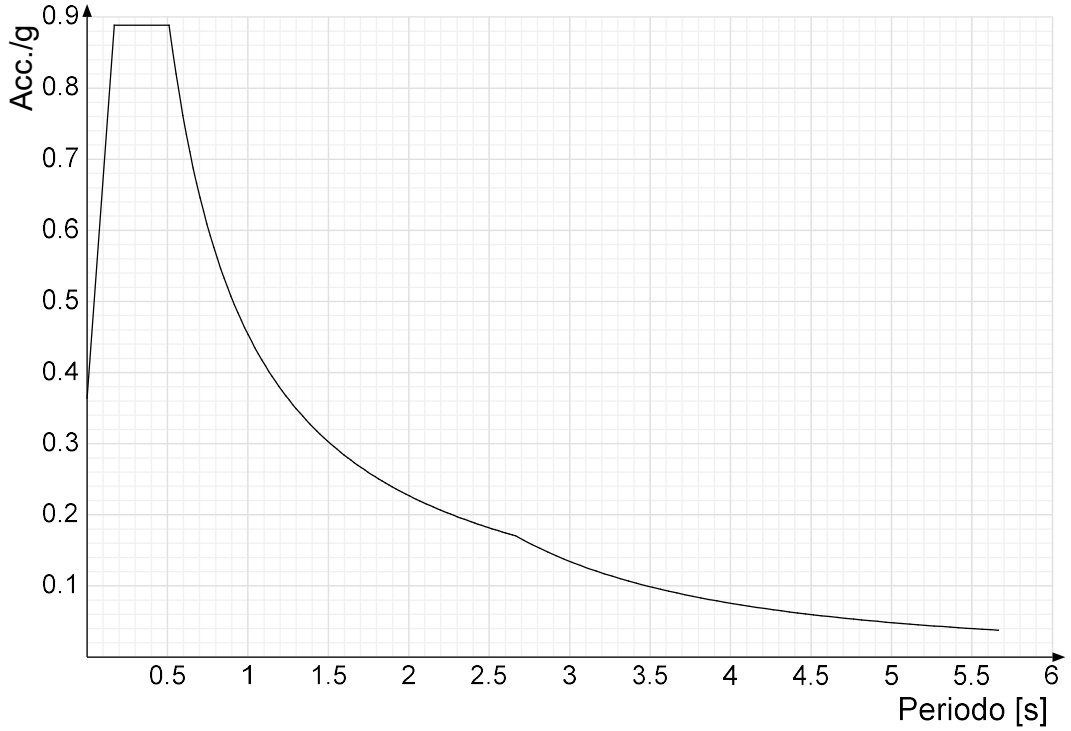
Si riportano infine gli spettri di risposta elastici delle componenti orizzontali per gli stati limite considerati.
Viene mostrato lo spettro "Spettro di risposta elastico in accelerazione delle componenti orizzontali SLD § 3.2.3.2.1 [3.2.2]".



Viene mostrato lo spettro "Spettro di risposta elastico in accelerazione delle componenti orizzontali SLO § 3.2.3.2.1 [3.2.2]".



Viene mostrato lo spettro "Spettro di risposta elastico in accelerazione delle componenti orizzontali SLV § 3.2.3.2.1 [3.2.2]".



Parametri di analisi

Si è condotta una analisi di tipo Lineare dinamica su una costruzione di calcestruzzo/muratura.

Si è considerata una classe di duttilità CD"B", a cui corrispondono per la struttura in esame i seguenti fattori di struttura:
Struttura in cemento armato qlim = 2.76
Struttura in muratura qlim = 1.89
Si adotta quindi il valore minore

Altri parametri che influenzano l’azione sismica di progetto sono riassunti in questo prospetto:

Smorzamento viscoso (%)	5	
Rotazione del sisma	0	[deg]
Quota dello '0' sismico	20	[cm]

Nell’analisi dinamica modale si sono analizzati 20 modi di vibrare valutati secondo il metodo di Ritz.

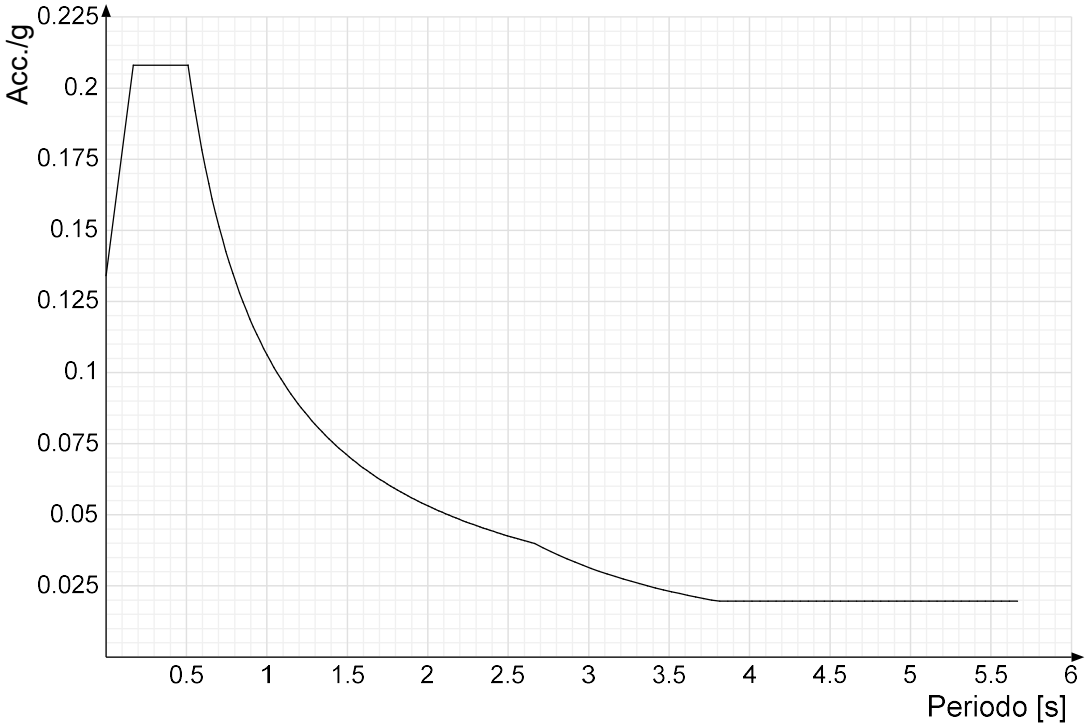
Per tenere conto della variabilità spaziale del moto sismico, nonché di eventuali incertezze nellalocalizzazione delle masse, la normativa richiede di attribuire al centro di massa una eccentricità accidentale (NTC18 e NTC08 §7.2.6), in aggiunta alla eccentricità naturale della costruzione, mediante l’applicazione di carichi statici costituiti da momenti torcenti di valore pari alla risultante orizzontale della forza agente al piano, moltiplicata per l’eccentricità accidentale del baricentro delle masse rispetto alla sua posizione di calcolo.

Nella struttura in oggetto si è applicata una eccentricità accidentale secondo il seguente prospetto:

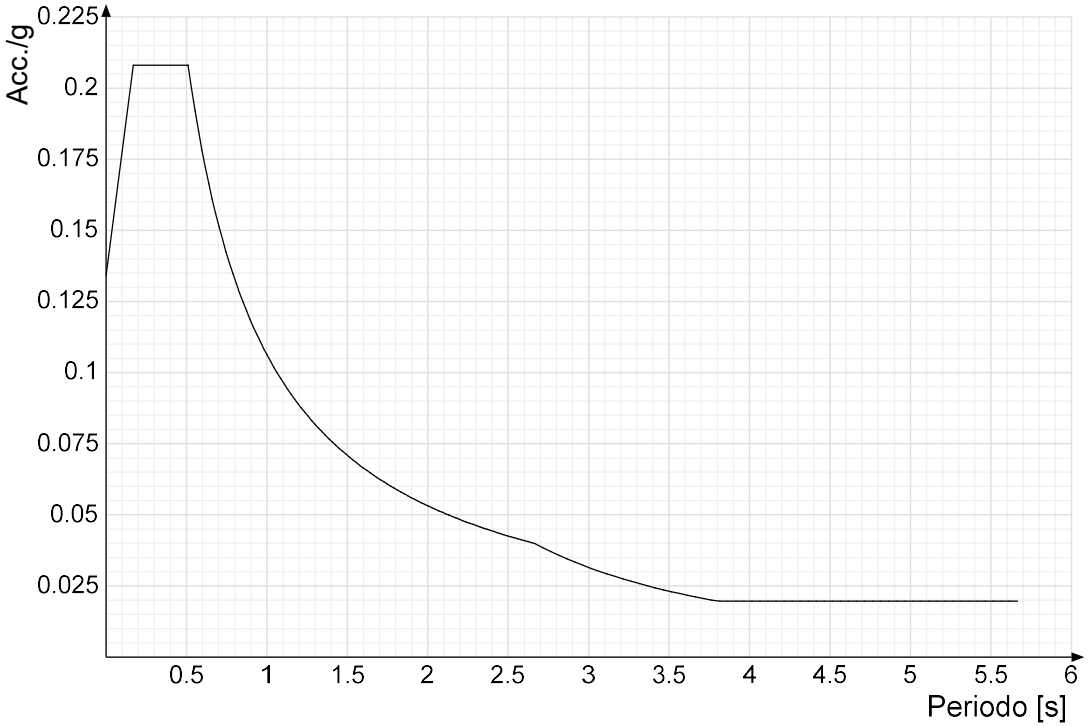
Eccentricità X (per sisma Y) livello "Seminterrato"	0	[cm]
Eccentricità Y (per sisma X) livello "Seminterrato"	0	[cm]
Eccentricità X (per sisma Y) livello "Fond 2"	0	[cm]
Eccentricità Y (per sisma X) livello "Fond 2"	0	[cm]
Eccentricità X (per sisma Y) livello "Piano Terra"	0	[cm]
Eccentricità Y (per sisma X) livello "Piano Terra"	0	[cm]
Eccentricità X (per sisma Y) livello "Piano 1"	0	[cm]
Eccentricità Y (per sisma X) livello "Piano 1"	0	[cm]
Eccentricità X (per sisma Y) livello "Falda 2"	0	[cm]
Eccentricità Y (per sisma X) livello "Falda 2"	0	[cm]
Eccentricità X (per sisma Y) livello "Falda 1"	0	[cm]
Eccentricità Y (per sisma X) livello "Falda 1"	0	[cm]
Eccentricità X (per sisma Y) livello "Piano 2"	0	[cm]
Eccentricità Y (per sisma X) livello "Piano 2"	0	[cm]
Eccentricità X (per sisma Y) livello "Colmo"	0	[cm]
Eccentricità Y (per sisma X) livello "Colmo"	0	[cm]

Si riportano infine gli spettri di risposta di progetto delle componenti orizzontali per gli stati limite considerati.

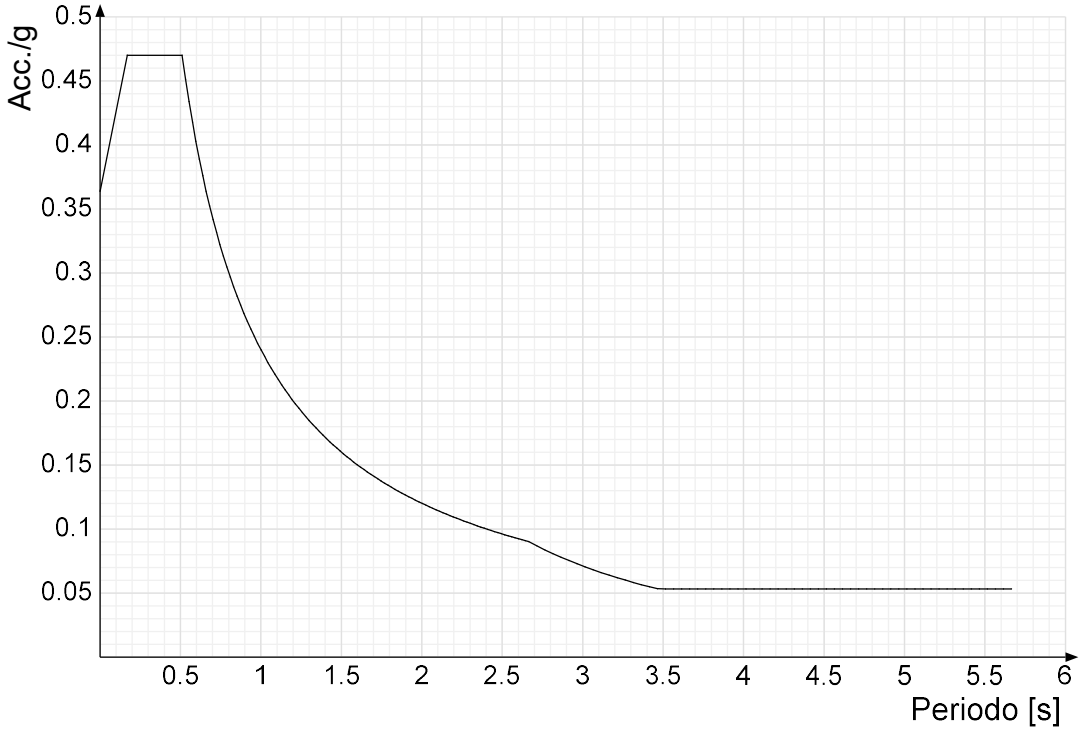
Viene mostrato lo spettro "Spettro di risposta di progetto in accelerazione della componente X SLD § 3.2.3.5".



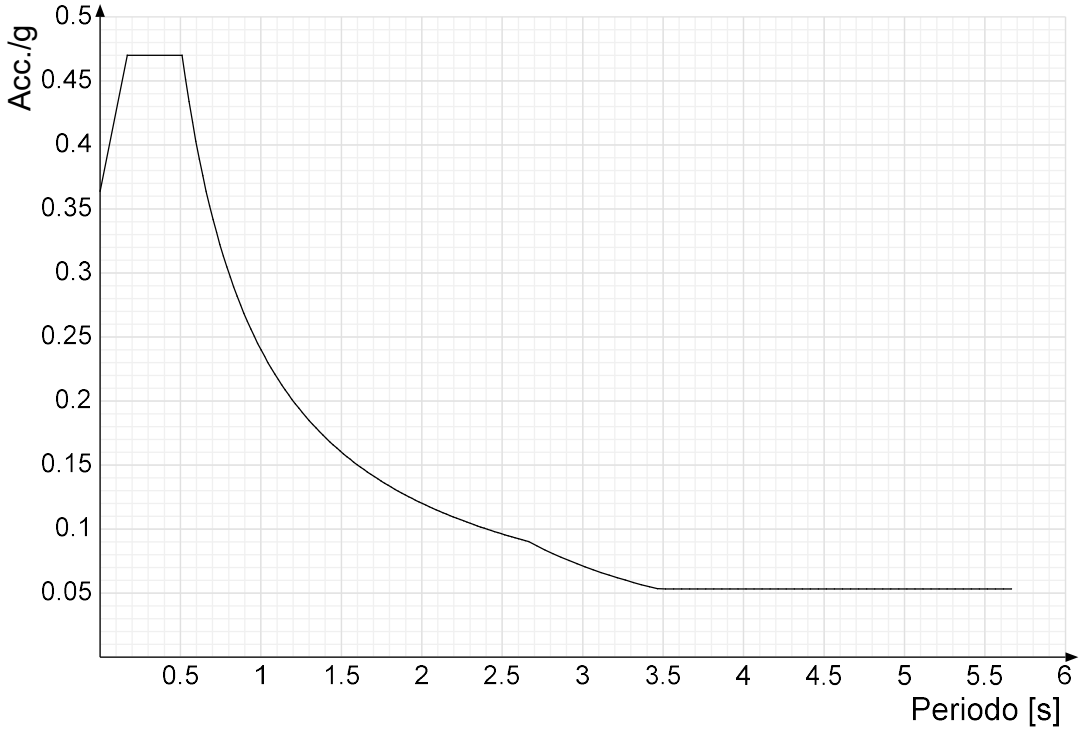
Viene mostrato lo spettro "Spettro di risposta di progetto in accelerazione della componente Y SLD § 3.2.3.5".



Viene mostrato lo spettro "Spettro di risposta di progetto in accelerazione della componente X SLV § 3.2.3.5".



Viene mostrato lo spettro "Spettro di risposta di progetto in accelerazione della componente Y SLV § 3.2.3.5".



Problemi geotecnici e scelte tipologiche

Problemi geotecnici e scelte tipologiche: contiene la valutazione eseguita dal progettista sulle problematiche geotecniche inerenti l’opera in oggetto, sulla base di quanto emerso dalle documentazioni esistenti, in particolare dalla relazione geologica del sito; a questo proposito è possibile richiamare i termini presenti nella carta geologica. Viene indicata la tipologia di fondazioni previste, le modalità costruttive, gli accertamenti preliminari necessari, gli eventuali interventi aggiuntivi richiesti (sbancamenti, consolidamenti, sistemi di drenaggio, abbassamento di falda, ecc.).

Tipologia di fondazione

Nella modellazione si è considerata la presenza di fondazioni superficiali in muratura e cemento armato, schematizzando il suolo con un letto di molle elastiche di assegnata rigidezza. In direzione orizzontale si è considerata la struttura bloccata.

I valori di default dei parametri di modellazione del suolo, cioè quelli adottati dove non diversamente specificato, sono i seguenti:.

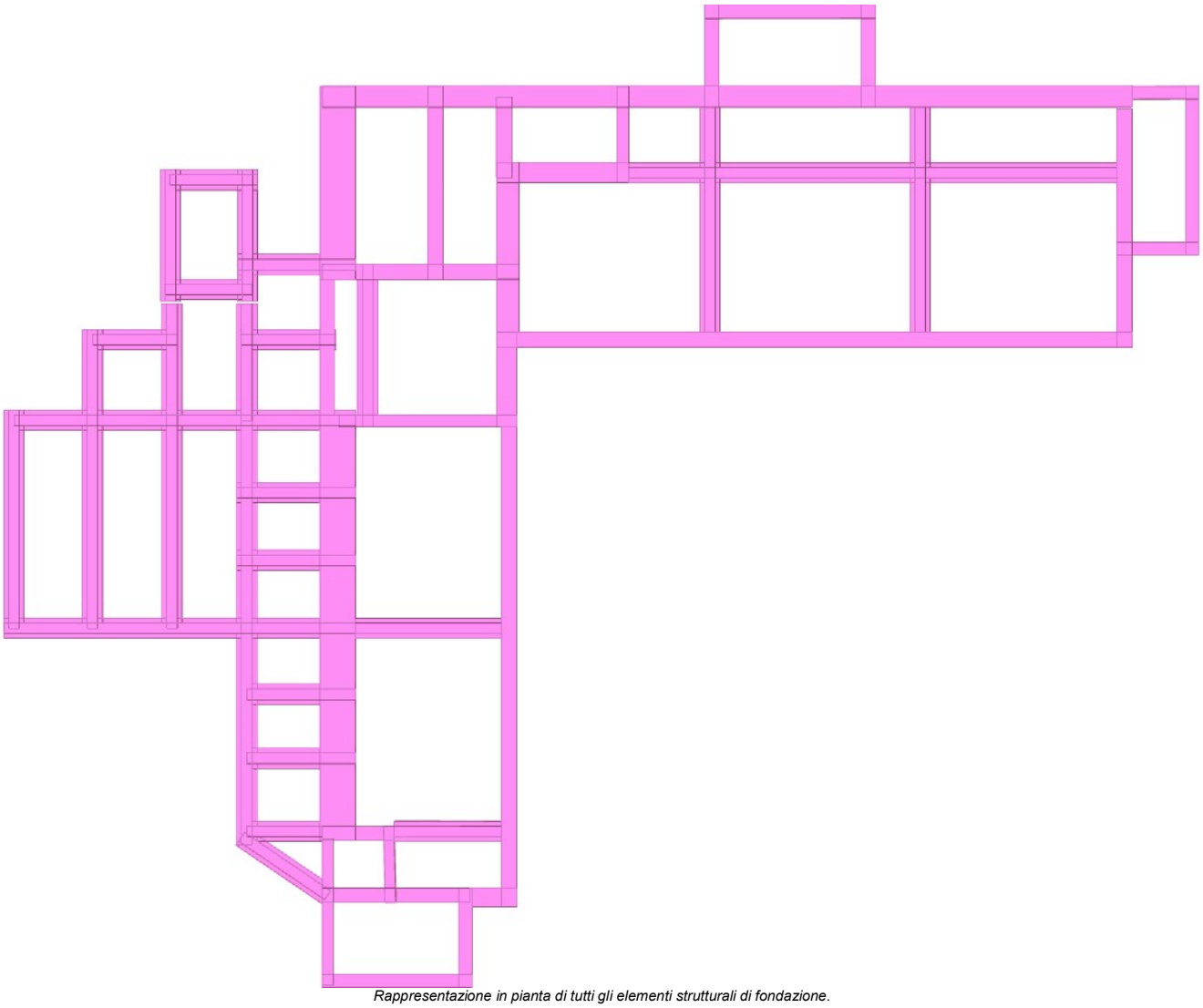
Coefficiente di sottofondo verticale per fondazioni superficiali (default)	3	[daN/cm³]
K punta palo (default)	4	[daN/cm³]
Pressione limite punta palo (default)	10	[daN/cm²]

Per elementi nei quali si sono valutati i parametri geotecnici in funzione della stratigrafia sottostante si sono adottate le seguenti formulazioni di letteratura:

Metodo di calcolo della K verticale	Vesic
Metodo di calcolo della capacità portante	Vesic
Metodo di calcolo della pressione limite punta palo	Vesic

La resistenza limite offerta dai pali in direzione orizzontale e verticale è funzione dell’attrito e della coesione che si può sviluppare all’interfaccia con il terreno. Oltre ai dati del suolo, descritti nelle seguenti stratigrafie, hanno influenza anche i seguenti parametri:

Coefficiente di sicurezza per carico limite (fondazioni superficiali)	2.3
Coefficiente di sicurezza per scorrimento (fondazioni superficiali)	1.1
Coefficiente di sicurezza portanza verticale pali infissi, punta	1.15
Coefficiente di sicurezza portanza verticale pali infissi, laterale compressione	1.15
Coefficiente di sicurezza portanza verticale pali infissi, laterale trazione	1.25
Coefficiente di sicurezza portanza verticale pali trivellati, punta	1.35
Coefficiente di sicurezza portanza verticale pali trivellati, laterale compressione	1.15
Coefficiente di sicurezza portanza verticale pali trivellati, laterale trazione	1.25
Coefficiente di sicurezza portanza verticale micropali, punta	1.35
Coefficiente di sicurezza portanza verticale micropali, laterale compressione	1.15
Coefficiente di sicurezza portanza verticale micropali, laterale trazione	1.25
Fattore di correlazione resistenza caratteristica dei pali in base alle verticali indagate	1.7



Rappresentazione in pianta di tutti gli elementi strutturali di fondazione.

Modellazione del sottosuolo e metodi di analisi e di

verifica

Modellazione del sottosuolo e metodi di analisi e di verifica: contiene la descrizione del modello di calcolo adottato per il suolo, con i relativi parametri di modellazione; sono indicati anche gli eventuali metodi adottati per ricavare i parametri di modellazione ed i metodi e le condizioni con cui sono condotte le verifiche geotecniche.

Modello di fondazione

Le travi di fondazione sono modellate tramite uno specifico elemento finito che gestisce il suolo elastico alla Winkler. Le fondazioni a plinto superficiale sono modellate con un numero elevato di molle verticali elastiche agenti su nodi collegati rigidamente al nodo centrale. Le fondazioni a platea sono modellate con l’inserimento di molle verticali elastiche agenti nei nodi delle mesh.

Verifica di scorrimento

La verifica di scorrimento della fondazione superficiale viene eseguita considerando le caratteristiche del terreno immediatamente sottostante al piano di posa della fondazione, ricavato in base alla stratigrafia associata all’elemento, e trascurando, a favore di sicurezza, l’eventuale spinta passiva laterale.
Qualora l’elemento in verifica sia formato da parti non omogenee tra loro, ad esempio una travata in cui le singole travi di fondazione siano associate ad un differente sondaggio, verranno condotte verifiche geotecniche distinte sui singoli tratti.
Lo scorrimento di una fondazione avviene nel momento in cui le componenti delle forze parallele al piano di contatto tra fondazione e terreno vincono l’attrito e la coesione terreno-fondazione e, qualora fosse presente, la spinta passiva laterale.
Il coefficiente di sicurezza a scorrimento si ottiene dal rapporto tra le forze stabilizzanti di progetto (Rd) e quelle instabilizzanti (Ed):

$$Rd = (N \cdot Tan(\varphi) + c_a \cdot B \cdot L + \alpha \cdot S_p) / \gamma_{Rs}$$

$$|Ed = \sqrt{T_x{}^2 + T_y{}^2}$$

dove:
N = risultante delle forze normali al piano di scorrimento;
Tx, Ty = componenti delle forze tangenziali al piano di scorrimento;
tan(phi) = coefficiente di attrito terreno-fondazione;
ca = aderenza alla base, pari alla coesione del terreno di fondazione o ad una sua frazione;
B, L = dimensioni della fondazione;
alpha = fattore di riduzione della spinta passiva;
Sp = spinta passiva dell’eventuale terreno laterale;
gamma rs= fattore di sicurezza parziale per lo scorrimento;

Le normative prevedono che il fattore di sicurezza a scorrimento FS=Rd/Ed sia non minore di un prefissato limite.

Verifica di capacità portante

La verifica di capacità portante della fondazione superficiale viene eseguita mediante formulazioni di letteratura geotecnica considerando le caratteristiche dei terreni sottostanti al piano di posa della fondazione, ricavati in base alla stratigrafia associata all’elemento.
Qualora l’elemento in verifica sia formato da parti non omogenee tra loro, ad esempio una travata in cui le singole travi di fondazione siano associate ad un differente sondaggio, verranno condotte verifiche geotecniche distinte sui singoli tratti.
La verifica viene fatta raffrontando la portanza di progetto (Rd) con la sollecitazione di progetto (Ed); la prima deriva dalla portanza calcolata con metodi della letteratura geotecnica, ridotta da opportuni fattori di sicurezza parziali; la seconda viene valutata ricavando la risultante della sollecitazione scaricata al suolo con una integrazione delle pressioni nel tratto di calcolo. Le normative prevedono che il fattore di sicurezza alla capacità portante, espresso come rapporto tra il carico ultimo di progetto della fondazione (Rd) ed il carico agente (Ed), sia non minore di un prefissato limite.
La portanza di una fondazione rappresenta il carico ultimo trasmissibile al suolo prima di arrivare alla rottura del terreno. Le formule di calcolo presenti in letteratura sono nate per la fondazione nastriforme indefinita ma aggiungono una serie di termini correttivi per considerare le effettive condizioni al contorno della fondazione, esprimendo la capacità portante ultima in termini di pressione limite agente su di una fondazione equivalente soggetta a carico centrato.
La determinazione della capacità portante ai fini della verifica è stata condotta secondo il metodo di Vesic, che viene descritto nei paragrafi successivi.

Metodo di Vesic

La capacità portante valutata attraverso la formula di Vesic risulta, nel caso generale:

$$Q_{\lim} = c \cdot N_c \cdot s_c \cdot d_c \cdot i_c \cdot b_c \cdot g_c + q \cdot N_q \cdot s_q \cdot d_q \cdot i_q \cdot b_q \cdot g_q + \tfrac{1}{2}\, \gamma' \cdot B \cdot N_\gamma \cdot s_\gamma \cdot d_\gamma \cdot i_\gamma \cdot b_\gamma \cdot g_\gamma$$

Nel caso di terreno eminentemente coesivo (phi = 0) tale relazione diventa:

$$Q_{\lim} = (2+\pi) \cdot c_u \cdot (1 + s'_c + d'_c - i'_c - b'_c - g'_c) + q$$

dove:
gamma‘ = peso di volume efficace dello strato di fondazione;
B = larghezza efficace della fondazione (B = Bf - 2e);
L = lunghezza efficace della fondazione (L = Lf - 2e);
c = coesione dello strato di fondazione;
cu = coesione non drenata dello strato di fondazione;
q = sovraccarico del terreno sovrastante il piano di fondazione;
Nc, Nq, Ny = fattori di capacità portante;
sc, sq, sy = fattori di forma della fondazione;
dc, dq, dy = fattori di profondità del piano di posa della fondazione;
ic, iq, iy = fattori di inclinazione del carico;
bc, bq, by = fattori di inclinazione della base della fondazione;
gc, gq, gy = fattori di inclinazione del piano campagna;
Nel caso di piano di campagna inclinato (beta > 0) e phi = 0, Vesic propone l’aggiunta, nella formula sopra definita, del termine
0.5 * gamma * B * N_gamma con N_gamma = -2 * sen beta
Per la teoria di Vesic i coefficienti sopra definiti assumono le espressioni che seguono:

$$N_c = (N_q - 1) \cdot ctg\phi; \quad N_q = tg^2\left(45^o + \frac{\phi}{2}\right) \cdot e^{(\pi \cdot tg\varphi)}; \quad N_\gamma = 2 \cdot (N_q + 1) \cdot tg\phi$$

$$s_c = 1 + \frac{B}{L} \cdot \frac{N_q}{N_c}; \quad s'_c = 0.2 \cdot \frac{B}{L}; \quad s_q = 1 + \frac{B}{L} \cdot tg\phi; \quad s_\gamma = 1 - 0.4 \cdot \frac{B}{L}$$

$$d_c = 1 + 0.4 \cdot k; \quad d'_c = 0.4 \cdot k; \quad d_q = 1 + 2 \cdot k \cdot tg\phi \cdot (1 - \sin\phi)^2; \quad d_\gamma = 1$$

$$i_c = i_q - \frac{1 - i_q}{N_q - 1}; \quad i'_c = \frac{m \cdot H}{B \cdot L \cdot c_a \cdot N_c}; \quad i_q = \left(1 - \frac{H}{V + B \cdot L \cdot c_a \cdot ctg\phi}\right)^m;$$

$$i_\gamma = \left(1 - \frac{H}{V + B \cdot L \cdot c_a \cdot ctg\phi}\right)^{m+1}$$

$$g_c = 1 - \frac{\beta^o}{147^o}; \quad g'_c = \frac{\beta^o}{147^o}; \quad g_q = (1 - tg\beta)^2; \quad g_\gamma = g_q$$

$$b_c = 1 - \frac{\eta^o}{147^o}; \quad b'_c = \frac{\eta^o}{147^o}; \quad b_q = (1 - \eta \cdot tg\phi)^2; \quad b_\gamma = b_q$$

$$k = \frac{D}{B_f} \quad (\text{se } \frac{D}{B_f} \le 1); \quad k = arctg\left(\frac{D}{B_f}\right) \quad (\text{se } \frac{D}{B_f} > 1); \quad m = \frac{2 + \frac{B}{L}}{1 + \frac{B}{L}}$$

nelle quali si sono considerati i seguenti dati:
phi = angolo di attrito dello strato di fondazione;
ca = aderenza alla base della fondazione;
nu = inclinazione del piano di posa della fondazione sull’orizzontale (nu = 0 se orizzontale);
beta = inclinazione del pendio;
H = componente orizzontale del carico trasmesso sul piano di posa della fondazione;
V = componente verticale del carico trasmesso sul piano di posa della fondazione;
D = profondità del piano di posa della fondazione dal piano campagna;

Influenza degli strati sulla capacità portante

Le formulazioni utilizzate per la portanza prevedono la presenza di uno stesso terreno nella zona interessata dalla potenziale rottura. In prima approssimazione lo spessore di tale zona è pari a:

$$H = ½ \cdot B \cdot Tan(45° + \phi / 2)$$

In presenza di stratificazioni di terreni diversi all’interno di tale zona, il calcolo diventa più complesso; non esiste una metodologia univoca per questi casi, differenti autori hanno proposto soluzioni diverse a seconda dei casi che si possono presentare. In prima approssimazione, nel caso di stratificazioni, viene trovata una media delle caratteristiche dei terreni, pesata sullo spessore degli strati interessati. Nel caso in cui il primo strato incontrato sia coesivo viene anche verificato che la compressione media agente sulla fondazione non superi la tensione limite di espulsione, circostanza che provocherebbe il rifluimento del terreno da sotto la fondazione, rendendo impossibile la portanza.
La tensione limite di espulsione qult per terreno coesivo viene calcolata come:

$$q_{ult} = 4c + q$$

dove c è la coesione e q è il sovraccarico agente sul piano di posa.

Influenza del sisma sulla capacità portante

La capacità portante nelle combinazioni sismiche viene valutata mediante l’estensione di procedure classiche al caso di azione sismica.
L’**effetto inerziale** prodotto dalla struttura in elevazione sulla fondazione può essere considerato tenendo conto dell’effetto dell’inclinazione (rapporto tra forze T parallele al piano di posa e carico normale N) e dell’eccentricità (rapporto tra momento M e carico normale N) delle azioni in fondazione, e produce variazioni di tutti i coefficienti di capacità portante del carico limite, oltre alla riduzione dell’area efficace.
L’**effetto cinematico** si manifesta per effetto dell’inerzia delle masse del suolo sotto la fondazione come una riduzione della resistenza teorica calcolata in condizioni statiche; tale riduzione è in funzione del coefficiente sismico orizzontale kh, cioè dell’accelerazione normalizzata massima attesa al suolo, e delle caratteristiche del suolo. L’effetto è più marcato su terreni granulari, mentre nei suoli coesivi è poco rilevante.
Per tener conto nella determinazione del carico limite di tali effetti inerziali vengono introdotti nelle combinazioni sismiche anche i fattori correttivi e (earthquake), valutati secondo **Paolucci** e **Pecker**:

$$e_q = \left(1 - \frac{k_h}{tg\phi}\right)^{0.35} \quad ; \quad e_c = 1 - 0.32 \cdot k_h \; ; \quad e_\gamma = e_q$$

Verifiche delle fondazioni

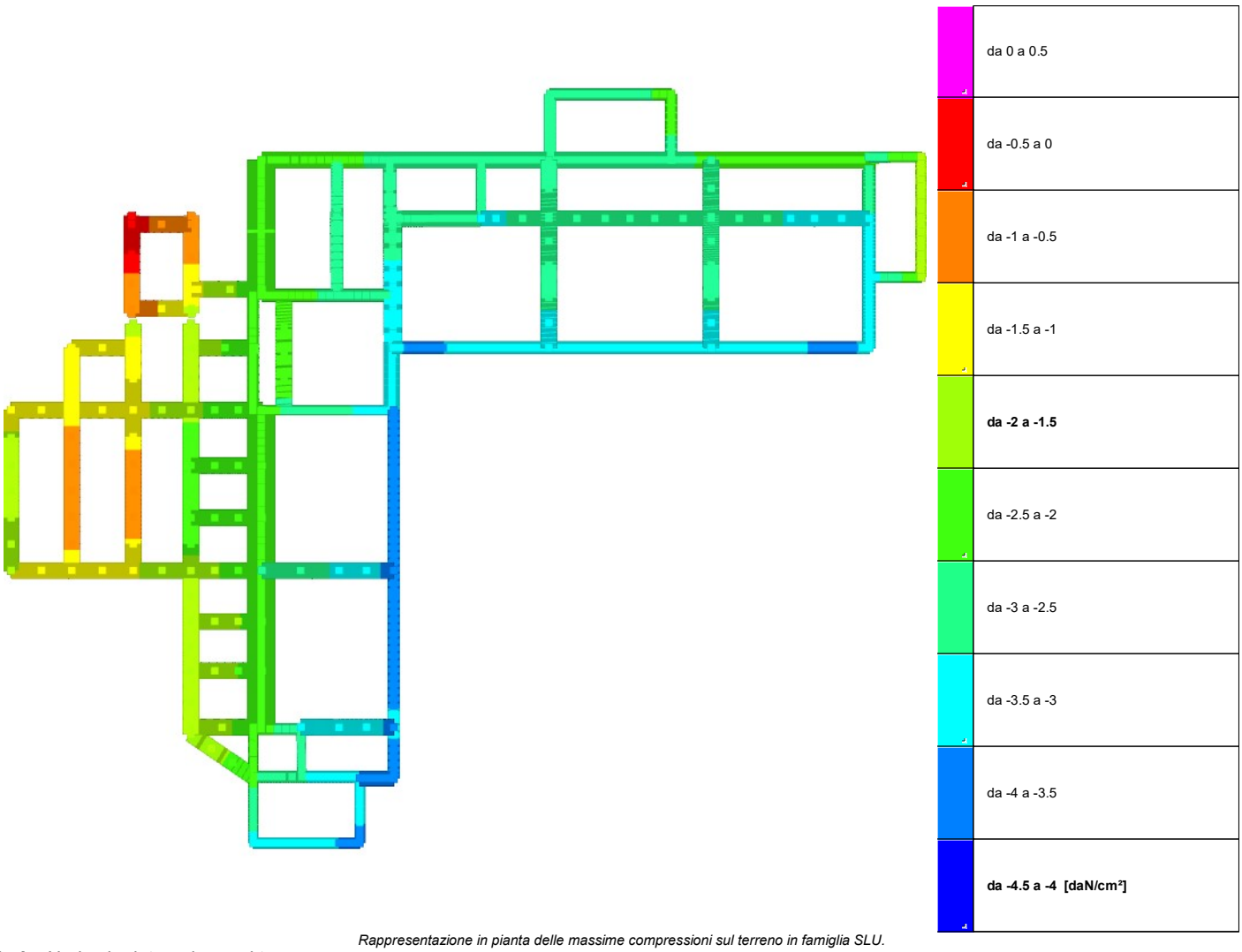
Verifiche delle fondazioni: contiene la descrizione degli stati limite considerati, gli approcci e le combinazioni di calcolo adottate; vengono poi elencate le pressioni e gli spostamenti massimi e minimi raggiunti nei diversi SL e le verifiche condotte sulle fondazioni presenti, superficiali e profonde.

Le verifiche nei confronti degli Stati Limite ultimi SLU strutturali (STR) e geotecnici (GEO) sono state effettuate applicando la combinazione (A1+M1+R3) di coefficienti parziali prevista dall'approccio 2:

DA1.2 - Approccio 2:
- Combinazione 1:(A1+M1+R3)

Le verifiche strutturali delle fondazioni in combinazioni sismiche sono state condotte in campo sostanzialmente elastico.

ressioni terreno in SLU



Rappresentazione in pianta delle massime compressioni sul terreno in famiglia SLU.

***Nodo**: Nodo che interagisce col terreno.*
***Ind.**: indice del nodo.*
***Pressione minima**: situazione in cui si verifica la pressione minima nel nodo.*
***Cont.**: nome breve della condizione o combinazione di carico a cui si riferisce la pressione minima.*
***uz**: spostamento massimo verticale del nodo. [cm]*
***Valore**: pressione minima sul terreno del nodo. [daN/cm²]*
***Pressione massima**: situazione in cui si verifica la pressione massima nel nodo.*
***Cont.**: nome breve della condizione o combinazione di carico a cui si riferisce la pressione massima.*
***uz**: spostamento minimo verticale del nodo. [cm]*
***Valore**: pressione massima sul terreno del nodo. [daN/cm²]*

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2	SLU 30	-1.04644	-3.13931	SLU 1	-0.73809	-2.21427
3	SLU 30	-1.05755	-3.17265	SLU 1	-0.74607	-2.2382
4	SLU 30	-1.06869	-3.20606	SLU 1	-0.75406	-2.26218
5	SLU 30	-1.07981	-3.23942	SLU 1	-0.76204	-2.28612
6	SLU 30	-1.09084	-3.27252	SLU 1	-0.76995	-2.30986
7	SLU 30	-1.10169	-3.30506	SLU 1	-0.77774	-2.33321
8	SLU 30	-1.11226	-3.33677	SLU 1	-0.78531	-2.35594
9	SLU 30	-1.12245	-3.36736	SLU 1	-0.79262	-2.37787
10	SLU 30	-1.13222	-3.39665	SLU 1	-0.79962	-2.39885
11	SLU 30	-1.14151	-3.42452	SLU 1	-0.80627	-2.4188
12	SLU 30	-1.15032	-3.45096	SLU 1	-0.81257	-2.43772
13	SLU 30	-1.15869	-3.47608	SLU 1	-0.81856	-2.45568
14	SLU 30	-1.16669	-3.50007	SLU 1	-0.82428	-2.47283
15	SLU 30	-1.17441	-3.52322	SLU 1	-0.82979	-2.48937
16	SLU 30	-1.18195	-3.54586	SLU 1	-0.83518	-2.50554
17	SLU 30	-1.18943	-3.5683	SLU 1	-0.84053	-2.52158
18	SLU 30	-1.18143	-3.54429	SLU 1	-0.83431	-2.50292
19	SLU 30	-1.0187	-3.0561	SLU 1	-0.71799	-2.15398
20	SLU 30	-1.17355	-3.52064	SLU 1	-0.82817	-2.4845
21	SLU 30	-0.99104	-2.97311	SLU 1	-0.69793	-2.0938
22	SLU 30	-1.16587	-3.4976	SLU 1	-0.82216	-2.46648
23	SLU 30	-0.96348	-2.89045	SLU 1	-0.67794	-2.03381
24	SLU 30	-1.15846	-3.47537	SLU 1	-0.81632	-2.44897
25	SLU 30	-0.9361	-2.80831	SLU 1	-0.65803	-1.97408
26	SLU 30	-1.15135	-3.45406	SLU 1	-0.81069	-2.43206
27	SLU 30	-0.90901	-2.72703	SLU 1	-0.63828	-1.91484
28	SLU 30	-1.14458	-3.43374	SLU 1	-0.80526	-2.41577

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
29	SLU 30	-0.88245	-2.64736	SLU 1	-0.61885	-1.85656
30	SLU 30	-1.13815	-3.41444	SLU 1	-0.80004	-2.40012
31	SLU 30	-0.85687	-2.57061	SLU 1	-0.60005	-1.80016
32	SLU 30	-1.13202	-3.39606	SLU 1	-0.79502	-2.38506
33	SLU 30	-0.83297	-2.49892	SLU 1	-0.58237	-1.74711
34	SLU 30	-1.12615	-3.37845	SLU 1	-0.79016	-2.37048
35	SLU 30	-0.81157	-2.4347	SLU 1	-0.56637	-1.69912
36	SLU 30	-0.83922	-2.51767	SLU 1	-0.58554	-1.75662
37	SLU 30	-0.86792	-2.60375	SLU 1	-0.60541	-1.81623
38	SLU 30	-0.89548	-2.68645	SLU 1	-0.62451	-1.87353
39	SLU 30	-0.92171	-2.76512	SLU 1	-0.64271	-1.92814
40	SLU 30	-0.9542	-2.86261	SLU 1	-0.66538	-1.99614
41	SLU 30	-0.98353	-2.95058	SLU 1	-0.68602	-2.05805
42	SLU 30	-1.00401	-3.01204	SLU 1	-0.70052	-2.10156
43	SLU 30	-1.02308	-3.06925	SLU 1	-0.71415	-2.14244
44	SLU 30	-1.04091	-3.12274	SLU 1	-0.72701	-2.18103
45	SLU 30	-1.05778	-3.17333	SLU 1	-0.73927	-2.21782
46	SLU 30	-1.07393	-3.2218	SLU 1	-0.7511	-2.25331
47	SLU 30	-1.08963	-3.26889	SLU 1	-0.76265	-2.28796
48	SLU 30	-1.10507	-3.31522	SLU 1	-0.77405	-2.32215
49	SLU 30	-1.12043	-3.36129	SLU 1	-0.7854	-2.35619
50	SLU 30	-0.9769	-2.9307	SLU 1	-0.68036	-2.04109
51	SLU 30	-0.79119	-2.37356	SLU 1	-0.55105	-1.65315
52	SLU 30	-0.97034	-2.91103	SLU 1	-0.67476	-2.02428
53	SLU 30	-0.69474	-2.08421	SLU 1	-0.48284	-1.44851
54	SLU 30	-0.77409	-2.32228	SLU 1	-0.53792	-1.61376
55	SLU 30	-0.96391	-2.89172	SLU 1	-0.66926	-2.00778
56	SLU 30	-0.76229	-2.28686	SLU 1	-0.5285	-1.58551
57	SLU 30	-0.95695	-2.87085	SLU 1	-0.66341	-1.99023
59	SLU 30	-0.62577	-1.87732	SLU 1	-0.43181	-1.29542
60	SLU 30	-0.75526	-2.26579	SLU 1	-0.52248	-1.56743
61	SLU 30	-0.95083	-2.85248	SLU 1	-0.65815	-1.97445
63	SLU 30	-0.75217	-2.2565	SLU 1	-0.5193	-1.55791
64	SLU 30	-0.94494	-2.83481	SLU 1	-0.65306	-1.95917
66	SLU 30	-0.60822	-1.82465	SLU 1	-0.41621	-1.24862
67	SLU 30	-0.75166	-2.25499	SLU 1	-0.51821	-1.55463
68	SLU 30	-0.78535	-2.35604	SLU 1	-0.5415	-1.6245
70	SLU 30	-0.8217	-2.4651	SLU 1	-0.56664	-1.69993
71	SLU 30	-0.85267	-2.55801	SLU 1	-0.58809	-1.76426
72	SLU 30	-0.88249	-2.64747	SLU 1	-0.60875	-1.82625
73	SLU 30	-0.91162	-2.73485	SLU 1	-0.62894	-1.88683
74	SLU 30	-0.9392	-2.81761	SLU 1	-0.64807	-1.94422
75	SLU 30	-0.94047	-2.82141	SLU 1	-0.64895	-1.94686
76	SLU 30	-0.60761	-1.82283	SLU 1	-0.41526	-1.24577
77	SLU 30	-0.63989	-1.91966	SLU 1	-0.44014	-1.32043
78	SLU 30	-0.75163	-2.25488	SLU 1	-0.51802	-1.55406
79	SLU 30	-0.78522	-2.35566	SLU 1	-0.54069	-1.62207
81	SLU 30	-0.7851	-2.35531	SLU 1	-0.53994	-1.61983
83	SLU 30	-0.78468	-2.35404	SLU 1	-0.53905	-1.61714
85	SLU 30	-0.59505	-1.78516	SLU 1	-0.40499	-1.21497
86	SLU 30	-0.78377	-2.35131	SLU 1	-0.53787	-1.61362
88	SLU 30	-0.78234	-2.34701	SLU 1	-0.53639	-1.60916
90	SLU 30	-0.78045	-2.34135	SLU 1	-0.53464	-1.60391
92	SLU 30	-0.77828	-2.33485	SLU 1	-0.53273	-1.59818
94	SLU 30	-0.58997	-1.76991	SLU 1	-0.39938	-1.19814
95	SLU 30	-0.60397	-1.8119	SLU 1	-0.41101	-1.23304
96	SLU 30	-0.66816	-2.00448	SLU 1	-0.45629	-1.36886
97	SLU 30	-0.77612	-2.32836	SLU 1	-0.53084	-1.59253
98	SLU 30	-0.78083	-2.3425	SLU 1	-0.53409	-1.60228
99	SLU 30	-0.77425	-2.32276	SLU 1	-0.5292	-1.58759
101	SLU 30	-0.77252	-2.31757	SLU 1	-0.52766	-1.58299
103	SLU 30	-0.7708	-2.31239	SLU 1	-0.52615	-1.57844
105	SLU 30	-0.58609	-1.75827	SLU 1	-0.395	-1.18499
106	SLU 30	-0.76903	-2.30709	SLU 1	-0.52462	-1.57386
108	SLU 30	-0.76726	-2.30179	SLU 1	-0.52311	-1.56933
110	SLU 30	-0.76562	-2.29686	SLU 1	-0.52169	-1.56508
112	SLU 30	-0.58848	-1.76544	SLU 1	-0.39432	-1.18297
113	SLU 30	-0.59994	-1.79981	SLU 1	-0.40494	-1.21483
114	SLU 30	-0.66065	-1.98194	SLU 1	-0.44845	-1.34534
115	SLU 30	-0.76431	-2.29293	SLU 1	-0.52051	-1.56154
116	SLU 30	-0.76884	-2.30653	SLU 1	-0.52365	-1.57096
117	SLU 30	-0.7635	-2.29051	SLU 1	-0.51967	-1.55902
119	SLU 30	-0.76307	-2.2892	SLU 1	-0.5191	-1.55729
121	SLU 30	-0.7628	-2.28839	SLU 1	-0.51864	-1.55593
123	SLU 30	-0.59613	-1.7884	SLU 1	-0.39623	-1.18869
124	SLU 30	-0.76257	-2.28771	SLU 1	-0.51824	-1.55472
126	SLU 30	-0.76236	-2.28708	SLU 1	-0.51786	-1.55357
128	SLU 30	-0.76221	-2.28663	SLU 1	-0.51753	-1.5526
130	SLU 30	-0.6325	-1.8975	SLU 1	-0.41553	-1.24658
131	SLU 30	-0.42488	-1.27464	SLU 1	-0.27804	-0.83412
132	SLU 30	-0.48638	-1.45913	SLU 1	-0.31945	-0.95835
133	SLU 29	-0.50009	-1.50026	SLU 8	-0.31915	-0.95744
134	SLU 29	-0.44492	-1.33476	SLU 4	-0.28819	-0.86458
135	SLU 30	-0.43269	-1.29807	SLU 1	-0.28454	-0.85361
136	SLU 30	-0.56095	-1.68285	SLU 1	-0.36761	-1.10283
137	SLU 30	-0.66096	-1.98289	SLU 1	-0.43776	-1.31328
138	SLU 30	-0.69804	-2.09411	SLU 1	-0.46818	-1.40453
139	SLU 30	-0.76224	-2.28671	SLU 1	-0.51735	-1.55206
140	SLU 30	-0.7651	-2.2953	SLU 1	-0.51952	-1.55857
141	SLU 30	-0.76258	-2.28774	SLU 1	-0.5174	-1.5522
143	SLU 30	-0.76308	-2.28923	SLU 1	-0.51757	-1.55272
145	SLU 30	-0.76357	-2.2907	SLU 1	-0.51776	-1.55327
147	SLU 30	-0.69831	-2.09494	SLU 1	-0.45262	-1.35787
148	SLU 29	-0.54887	-1.6466	SLU 8	-0.34583	-1.03748
149	SLU 30	-0.30744	-0.92232	SLU 1	-0.20321	-0.60963
150	SLU 30	-0.35378	-1.06133	SLU 1	-0.23407	-0.70221
151	SLU 30	-0.76397	-2.29192	SLU 1	-0.51789	-1.55368
153	SLU 30	-0.76431	-2.29294	SLU 1	-0.51799	-1.55397
155	SLU 30	-0.76469	-2.29408	SLU 1	-0.51812	-1.55435
157	SLU 29	-0.59407	-1.78222	SLU 8	-0.371	-1.11301

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
158	SLU 30	-0.76887	-2.30661	SLU 1	-0.49345	-1.48035
159	SLU 30	-0.72223	-2.1667	SLU 1	-0.47148	-1.41443
160	SLU 30	-0.72034	-2.16103	SLU 1	-0.47965	-1.43895
161	SLU 30	-0.76532	-2.29597	SLU 1	-0.51842	-1.55525
162	SLU 30	-0.76752	-2.30257	SLU 1	-0.52023	-1.5607
163	SLU 30	-0.22511	-0.67533	SLU 1	-0.15078	-0.45234
164	SLU 30	-0.26399	-0.79197	SLU 1	-0.17615	-0.52846
165	SLU 30	-0.76639	-2.29918	SLU 1	-0.51901	-1.55702
167	SLU 30	-0.76769	-2.30307	SLU 1	-0.51975	-1.55924
169	SLU 30	-0.769	-2.307	SLU 1	-0.52049	-1.56146
171	SLU 30	-0.79596	-2.38788	SLU 1	-0.50884	-1.52651
172	SLU 29	-0.60526	-1.81578	SLU 8	-0.37663	-1.12988
173	SLU 30	-0.2005	-0.60149	SLU 1	-0.1349	-0.40469
174	SLU 30	-0.24355	-0.73064	SLU 1	-0.16251	-0.48754
175	SLU 30	-0.7702	-2.31061	SLU 1	-0.52115	-1.56346
177	SLU 30	-0.77129	-2.31388	SLU 1	-0.52173	-1.5652
179	SLU 30	-0.77236	-2.31709	SLU 1	-0.52229	-1.56688
181	SLU 30	-0.77665	-2.32995	SLU 1	-0.49744	-1.49231
182	SLU 30	-0.72988	-2.18965	SLU 1	-0.47552	-1.42655
183	SLU 30	-0.72816	-2.18447	SLU 1	-0.48388	-1.45163
184	SLU 30	-0.77362	-2.32085	SLU 1	-0.52296	-1.56889
185	SLU 30	-0.77584	-2.32752	SLU 1	-0.52479	-1.57438
186	SLU 29	-0.58156	-1.74469	SLU 8	-0.36227	-1.0868
187	SLU 30	-0.23329	-0.69987	SLU 1	-0.15527	-0.4658
188	SLU 30	-0.29064	-0.87191	SLU 1	-0.19195	-0.57585
189	SLU 30	-0.77533	-2.326	SLU 1	-0.52392	-1.57177
191	SLU 30	-0.77719	-2.33158	SLU 1	-0.52497	-1.57491
193	SLU 30	-0.77892	-2.33677	SLU 1	-0.52592	-1.57776
195	SLU 30	-0.70639	-2.11916	SLU 1	-0.45631	-1.36893
196	SLU 29	-0.51705	-1.55114	SLU 8	-0.32422	-0.97267
197	SLU 30	-0.30355	-0.91064	SLU 1	-0.19925	-0.59775
198	SLU 30	-0.37781	-1.13342	SLU 1	-0.24707	-0.74122
199	SLU 30	-0.78035	-2.34105	SLU 1	-0.52667	-1.58001
201	SLU 30	-0.78141	-2.34423	SLU 1	-0.52718	-1.58154
203	SLU 30	-0.78213	-2.34639	SLU 1	-0.52749	-1.58246
205	SLU 30	-0.75956	-2.27869	SLU 1	-0.51106	-1.53318
207	SLU 30	-0.78266	-2.34797	SLU 1	-0.52771	-1.58312
208	SLU 30	-0.78522	-2.35567	SLU 1	-0.52956	-1.58867
209	SLU 30	-0.80551	-2.41654	SLU 1	-0.54407	-1.6322
210	SLU 30	-0.82538	-2.47613	SLU 1	-0.55809	-1.67427
211	SLU 30	-0.845	-2.53499	SLU 1	-0.57185	-1.71556
212	SLU 30	-0.86438	-2.59314	SLU 1	-0.58543	-1.7563
213	SLU 30	-0.88355	-2.65064	SLU 1	-0.59886	-1.79659
214	SLU 30	-0.90225	-2.70675	SLU 1	-0.61197	-1.83592
215	SLU 30	-0.92031	-2.76094	SLU 1	-0.62464	-1.87392
216	SLU 30	-0.93763	-2.81289	SLU 1	-0.63679	-1.91038
217	SLU 30	-0.95415	-2.86245	SLU 1	-0.6484	-1.9452
218	SLU 30	-0.96988	-2.90964	SLU 1	-0.65946	-1.97839
219	SLU 30	-0.98488	-2.95463	SLU 1	-0.67002	-2.01006
220	SLU 30	-0.99923	-2.99769	SLU 1	-0.68013	-2.04039
221	SLU 30	-1.01308	-3.03923	SLU 1	-0.68989	-2.06966
222	SLU 30	-1.02657	-3.07972	SLU 1	-0.6994	-2.09819
223	SLU 30	-1.0399	-3.1197	SLU 1	-0.70878	-2.12635
224	SLU 30	-1.05325	-3.15974	SLU 1	-0.71818	-2.15453
225	SLU 30	-1.06679	-3.20038	SLU 1	-0.7277	-2.18309
226	SLU 30	-1.07854	-3.23563	SLU 1	-0.73594	-2.20783
227	SLU 30	-1.08069	-3.24206	SLU 1	-0.73745	-2.21234
228	SLU 30	-0.36796	-1.10388	SLU 1	-0.23956	-0.71867
229	SLU 30	-0.44662	-1.33986	SLU 1	-0.29096	-0.87289
230	SLU 30	-0.64252	-1.92756	SLU 1	-0.4203	-1.26089
231	SLU 29	-0.44849	-1.34547	SLU 8	-0.28431	-0.85292
232	SLU 29	-0.39104	-1.17312	SLU 8	-0.25145	-0.75435
233	SLU 30	-0.37928	-1.13783	SLU 1	-0.24768	-0.74304
234	SLU 30	-0.54602	-1.63807	SLU 1	-0.35536	-1.06607
235	SLU 30	-0.68316	-2.04947	SLU 1	-0.45145	-1.35434
236	SLU 30	-0.72345	-2.17036	SLU 1	-0.48402	-1.45205
237	SLU 30	-0.78525	-2.35576	SLU 1	-0.52957	-1.58871
238	SLU 30	-0.76004	-2.28012	SLU 1	-0.5113	-1.5339
240	SLU 30	-1.07173	-3.21519	SLU 1	-0.73144	-2.19431
242	SLU 30	-0.76056	-2.28167	SLU 1	-0.51167	-1.535
244	SLU 30	-1.06502	-3.19506	SLU 1	-0.727	-2.181
246	SLU 30	-0.76106	-2.28317	SLU 1	-0.51208	-1.53625
248	SLU 30	-1.05848	-3.17543	SLU 1	-0.72267	-2.168
250	SLU 30	-0.76149	-2.28446	SLU 1	-0.51249	-1.53748
252	SLU 30	-1.05214	-3.15643	SLU 1	-0.71847	-2.1554
254	SLU 30	-0.81677	-2.45031	SLU 1	-0.54315	-1.62945
255	SLU 30	-0.39563	-1.18689	SLU 6	-0.25662	-0.76986
256	SLU 30	-0.45805	-1.37416	SLU 1	-0.29917	-0.89752
257	SLU 30	-0.61292	-1.83875	SLU 1	-0.40577	-1.21732
258	SLU 30	-0.76176	-2.28527	SLU 1	-0.51282	-1.53847
260	SLU 30	-1.04605	-3.13815	SLU 1	-0.71441	-2.14324
262	SLU 30	-0.76171	-2.28512	SLU 1	-0.51295	-1.53886
264	SLU 30	-1.04025	-3.12075	SLU 1	-0.71054	-2.13163
266	SLU 30	-0.76108	-2.28323	SLU 1	-0.51272	-1.53816
268	SLU 30	-1.03482	-3.10445	SLU 1	-0.7069	-2.1207
270	SLU 30	-0.75952	-2.27857	SLU 1	-0.5119	-1.53569
272	SLU 30	-1.02988	-3.08964	SLU 1	-0.70357	-2.11071
273	SLU 30	-1.04005	-3.12014	SLU 1	-0.71046	-2.13139
274	SLU 30	-0.79129	-2.37386	SLU 1	-0.52266	-1.56797
275	SLU 30	-0.62366	-1.87098	SLU 1	-0.41542	-1.24627
277	SLU 30	-1.02615	-3.07844	SLU 1	-0.70104	-2.10312
278	SLU 30	-1.03616	-3.10847	SLU 1	-0.70783	-2.12348
279	SLU 29	-0.40742	-1.22226	SLU 8	-0.26344	-0.79033
280	SLU 30	-0.42404	-1.27213	SLU 1	-0.27666	-0.82999
281	SLU 30	-0.47721	-1.43164	SLU 1	-0.3129	-0.9387
282	SLU 30	-0.62842	-1.88527	SLU 1	-0.41884	-1.25652
283	SLU 30	-0.67415	-2.02246	SLU 1	-0.45185	-1.35555
284	SLU 30	-0.75667	-2.27002	SLU 1	-0.51026	-1.53077
286	SLU 30	-0.76275	-2.28824	SLU 1	-0.51452	-1.54356
287	SLU 30	-1.02267	-3.06801	SLU 1	-0.69867	-2.09602

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
288	SLU 30	-1.03252	-3.09756	SLU 1	-0.70535	-2.11606
289	SLU 30	-0.75255	-2.25765	SLU 1	-0.50784	-1.52352
291	SLU 30	-1.02835	-3.08504	SLU 1	-0.70249	-2.10748
292	SLU 30	-0.74709	-2.24126	SLU 1	-0.50465	-1.51394
294	SLU 30	-0.78118	-2.34354	SLU 1	-0.51918	-1.55753
295	SLU 30	-1.02469	-3.07407	SLU 1	-0.69996	-2.09987
296	SLU 30	-0.74106	-2.22319	SLU 1	-0.50121	-1.50363
299	SLU 30	-0.53256	-1.59768	SLU 1	-0.34927	-1.0478
300	SLU 30	-0.62251	-1.86752	SLU 1	-0.41588	-1.24764
301	SLU 30	-1.02139	-3.06418	SLU 1	-0.69763	-2.0929
302	SLU 30	-0.73642	-2.20925	SLU 1	-0.49868	-1.49604
304	SLU 30	-0.52467	-1.57402	SLU 1	-0.35468	-1.06405
305	SLU 36	-0.22169	-0.66507	SLU 1	-0.16019	-0.48058
306	SLU 30	-0.73215	-2.19645	SLU 1	-0.49651	-1.48954
308	SLU 30	-1.01837	-3.0551	SLU 1	-0.69547	-2.0864
309	SLU 30	-0.50778	-1.52333	SLU 1	-0.34364	-1.03093
310	SLU 30	-0.34986	-1.04959	SLU 1	-0.24236	-0.72709
311	SLU 36	-0.21397	-0.6419	SLU 1	-0.1548	-0.46441
312	SLU 30	-0.72846	-2.18537	SLU 1	-0.49487	-1.4846
314	SLU 30	-1.0156	-3.04679	SLU 1	-0.69345	-2.08034
315	SLU 30	-0.72582	-2.17745	SLU 1	-0.49393	-1.48178
317	SLU 30	-0.72371	-2.17112	SLU 1	-0.49346	-1.48039
319	SLU 30	-0.73723	-2.2117	SLU 1	-0.50276	-1.50827
320	SLU 30	-0.73874	-2.21621	SLU 1	-0.50379	-1.51137
321	SLU 30	-0.75062	-2.25187	SLU 1	-0.51185	-1.53555
322	SLU 30	-0.76256	-2.28769	SLU 1	-0.5198	-1.55939
323	SLU 30	-0.775	-2.325	SLU 1	-0.52803	-1.58409
324	SLU 30	-0.78862	-2.36586	SLU 1	-0.5371	-1.6113
325	SLU 30	-0.80289	-2.40867	SLU 1	-0.54667	-1.64
326	SLU 30	-0.81752	-2.45256	SLU 1	-0.55652	-1.66957
327	SLU 30	-0.83228	-2.49683	SLU 1	-0.56651	-1.69952
328	SLU 30	-0.84698	-2.54093	SLU 1	-0.57651	-1.72952
329	SLU 30	-0.86153	-2.58459	SLU 1	-0.58646	-1.75938
330	SLU 30	-0.87592	-2.62777	SLU 1	-0.59637	-1.7891
331	SLU 30	-0.88853	-2.66558	SLU 1	-0.60508	-1.81524
332	SLU 30	-0.90155	-2.70466	SLU 1	-0.61413	-1.84238
333	SLU 30	-0.91846	-2.75539	SLU 1	-0.6259	-1.8777
334	SLU 30	-0.93722	-2.81165	SLU 1	-0.63895	-1.91686
335	SLU 30	-0.95798	-2.87395	SLU 1	-0.65339	-1.96017
336	SLU 30	-0.97565	-2.92695	SLU 1	-0.66565	-1.99695
337	SLU 30	-0.99415	-2.98245	SLU 1	-0.67847	-2.0354
338	SLU 30	-1.01312	-3.03935	SLU 1	-0.6916	-2.07479
339	SLU 30	-0.43423	-1.3027	SLU 1	-0.29573	-0.88718
340	SLU 30	-0.43422	-1.30267	SLU 1	-0.29572	-0.88717
341	SLU 30	-0.46978	-1.40934	SLU 1	-0.32016	-0.96047
342	SLU 30	-0.63737	-1.9121	SLU 1	-0.43537	-1.30612
344	SLU 30	-0.73665	-2.20996	SLU 1	-0.50354	-1.51062
345	SLU 30	-0.73457	-2.20371	SLU 1	-0.50245	-1.50735
347	SLU 30	-1.01076	-3.03227	SLU 1	-0.68982	-2.06945
348	SLU 30	-0.88313	-2.64939	SLU 1	-0.60132	-1.80396
349	SLU 36	-0.17733	-0.532	SLU 1	-0.12932	-0.38797
350	SLU 30	-0.73198	-2.19594	SLU 1	-0.50226	-1.50679
352	SLU 30	-1.0084	-3.0252	SLU 1	-0.68803	-2.06409
353	SLU 30	-0.88998	-2.66994	SLU 1	-0.60605	-1.81814
354	SLU 30	-0.72982	-2.18946	SLU 1	-0.50238	-1.50715
356	SLU 30	-1.00573	-3.01719	SLU 1	-0.68603	-2.05809
357	SLU 30	-0.89614	-2.68842	SLU 1	-0.61033	-1.831
358	SLU 30	-0.7284	-2.18521	SLU 1	-0.50296	-1.50889
360	SLU 30	-1.00243	-3.0073	SLU 1	-0.68362	-2.05086
361	SLU 30	-0.90137	-2.70411	SLU 1	-0.61403	-1.84209
362	SLU 30	-0.72794	-2.18381	SLU 1	-0.50411	-1.51233
364	SLU 30	-0.99824	-2.99473	SLU 1	-0.68064	-2.04192
365	SLU 30	-0.30651	-0.91952	SLU 1	-0.21302	-0.63907
366	SLU 30	-0.90551	-2.71653	SLU 1	-0.61704	-1.85112
367	SLU 36	-0.15547	-0.4664	SLU 1	-0.11432	-0.34297
368	SLU 30	-0.7285	-2.18551	SLU 1	-0.50585	-1.51756
370	SLU 30	-0.99292	-2.97876	SLU 1	-0.67695	-2.03084
371	SLU 30	-0.90847	-2.72541	SLU 1	-0.61931	-1.85794
372	SLU 30	-0.73005	-2.19015	SLU 1	-0.50815	-1.52445
374	SLU 30	-0.98625	-2.95874	SLU 1	-0.67242	-2.01727
375	SLU 30	-0.91024	-2.73072	SLU 1	-0.62085	-1.86254
376	SLU 30	-0.73244	-2.19733	SLU 1	-0.51091	-1.53273
378	SLU 30	-0.97804	-2.93412	SLU 1	-0.66698	-2.00093
379	SLU 30	-0.91088	-2.73263	SLU 1	-0.62169	-1.86506
380	SLU 30	-0.73549	-2.20648	SLU 1	-0.514	-1.54199
382	SLU 30	-0.96817	-2.90451	SLU 1	-0.66055	-1.98164
383	SLU 30	-0.91052	-2.73156	SLU 1	-0.62194	-1.86581
384	SLU 35	-0.15571	-0.46714	SLU 2	-0.11445	-0.34336
385	SLU 36	-0.2068	-0.62039	SLU 1	-0.14884	-0.44652
386	SLU 36	-0.17646	-0.52937	SLU 1	-0.12843	-0.38528
387	SLU 30	-0.739	-2.21701	SLU 1	-0.51729	-1.55188
389	SLU 30	-0.95509	-2.86527	SLU 1	-0.65239	-1.95717
391	SLU 30	-0.95659	-2.86977	SLU 1	-0.65314	-1.95941
392	SLU 30	-0.9565	-2.8695	SLU 1	-0.65309	-1.95927
393	SLU 30	-0.95982	-2.87946	SLU 1	-0.65473	-1.96419
394	SLU 30	-0.96268	-2.88805	SLU 1	-0.65608	-1.96825
395	SLU 30	-0.96493	-2.89478	SLU 1	-0.65706	-1.97118
396	SLU 30	-0.96649	-2.89947	SLU 1	-0.65763	-1.97288
397	SLU 30	-0.9674	-2.90219	SLU 1	-0.65781	-1.97342
398	SLU 30	-0.96771	-2.90313	SLU 1	-0.65764	-1.97292
399	SLU 30	-0.96753	-2.90259	SLU 1	-0.65719	-1.97158
400	SLU 30	-0.96697	-2.90091	SLU 1	-0.65654	-1.96962
401	SLU 30	-0.96616	-2.89847	SLU 1	-0.65576	-1.96727
402	SLU 30	-0.9652	-2.8956	SLU 1	-0.65491	-1.96473
403	SLU 30	-0.96419	-2.89258	SLU 1	-0.65405	-1.96215
404	SLU 30	-0.96319	-2.88956	SLU 1	-0.6532	-1.9596
405	SLU 30	-0.90942	-2.72825	SLU 1	-0.62175	-1.86526
406	SLU 35	-0.15748	-0.47243	SLU 2	-0.11517	-0.34552
407	SLU 36	-0.18598	-0.55795	SLU 1	-0.13508	-0.40525
408	SLU 30	-0.95001	-2.85002	SLU 1	-0.64898	-1.94693

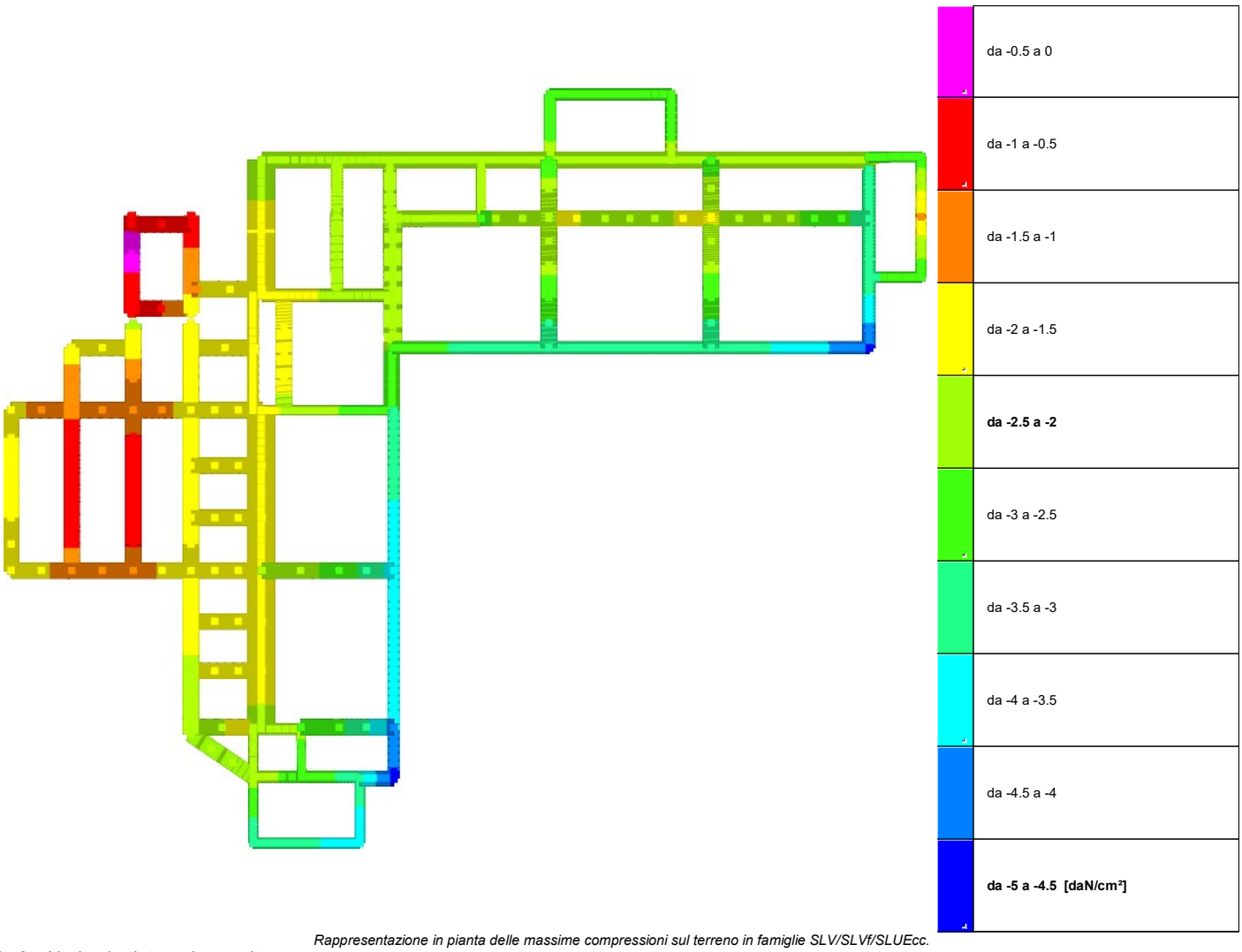
Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
409	SLU 30	-0.94849	-2.84547	SLU 1	-0.64822	-1.94465
411	SLU 30	-0.74282	-2.22845	SLU 1	-0.5207	-1.56211
413	SLU 30	-0.95107	-2.85322	SLU 1	-0.64596	-1.93787
414	SLU 30	-0.94321	-2.82963	SLU 1	-0.6447	-1.93411
415	SLU 30	-0.94169	-2.82506	SLU 1	-0.64394	-1.93182
417	SLU 30	-0.90687	-2.72061	SLU 1	-0.62067	-1.86202
419	SLU 30	-0.74683	-2.24049	SLU 1	-0.52417	-1.5725
421	SLU 30	-0.93906	-2.81718	SLU 1	-0.63878	-1.91633
422	SLU 30	-0.92814	-2.78443	SLU 1	-0.63555	-1.90664
424	SLU 30	-0.90537	-2.71611	SLU 1	-0.62039	-1.86117
426	SLU 30	-0.751	-2.253	SLU 1	-0.52767	-1.58301
428	SLU 30	-0.92721	-2.78163	SLU 1	-0.63171	-1.89512
429	SLU 30	-0.91381	-2.74142	SLU 1	-0.62685	-1.88054
431	SLU 30	-0.90427	-2.7128	SLU 1	-0.6204	-1.8612
433	SLU 30	-0.75533	-2.26598	SLU 1	-0.53123	-1.59369
435	SLU 30	-0.91554	-2.74661	SLU 1	-0.62475	-1.87426
436	SLU 30	-0.89902	-2.69707	SLU 1	-0.61805	-1.85415
438	SLU 30	-0.90376	-2.71127	SLU 1	-0.62067	-1.86201
440	SLU 30	-0.90401	-2.71202	SLU 1	-0.61789	-1.85368
441	SLU 30	-0.75984	-2.27952	SLU 1	-0.53488	-1.60464
443	SLU 30	-0.88515	-2.65546	SLU 1	-0.60993	-1.82978
445	SLU 30	-0.90355	-2.71066	SLU 1	-0.62114	-1.86343
447	SLU 30	-0.89256	-2.67767	SLU 1	-0.61109	-1.83326
448	SLU 30	-0.76456	-2.29368	SLU 1	-0.53865	-1.61595
450	SLU 30	-0.87113	-2.6134	SLU 1	-0.60181	-1.80543
452	SLU 30	-0.90359	-2.71076	SLU 1	-0.62177	-1.8653
454	SLU 30	-0.88109	-2.64327	SLU 1	-0.60427	-1.8128
455	SLU 30	-0.85703	-2.57109	SLU 1	-0.59371	-1.78113
457	SLU 30	-0.76949	-2.30846	SLU 1	-0.54254	-1.62763
459	SLU 30	-0.90377	-2.7113	SLU 1	-0.62249	-1.86746
479	SLU 30	-0.84287	-2.52862	SLU 1	-0.5856	-1.75681
493	SLU 30	-0.8695	-2.60851	SLU 1	-0.59736	-1.79209
503	SLU 30	-0.86314	-2.58943	SLU 1	-0.59004	-1.77013
520	SLU 30	-0.84227	-2.52681	SLU 1	-0.57402	-1.72205
549	SLU 30	-0.77425	-2.32276	SLU 1	-0.54629	-1.63888
550	SLU 30	-0.77942	-2.33827	SLU 1	-0.55233	-1.657
551	SLU 30	-0.78059	-2.34176	SLU 1	-0.55232	-1.65695
552	SLU 30	-0.78226	-2.34677	SLU 1	-0.5528	-1.65839
553	SLU 30	-0.7848	-2.35439	SLU 1	-0.55386	-1.66159
554	SLU 30	-0.78935	-2.36804	SLU 1	-0.55615	-1.66845
555	SLU 30	-0.79529	-2.38588	SLU 1	-0.55941	-1.67823
556	SLU 30	-0.8013	-2.4039	SLU 1	-0.56283	-1.6885
557	SLU 30	-0.80753	-2.42258	SLU 1	-0.56644	-1.69933
558	SLU 30	-0.81353	-2.4406	SLU 1	-0.56994	-1.70982
559	SLU 30	-0.81899	-2.45696	SLU 1	-0.57309	-1.71926
560	SLU 30	-0.90396	-2.71189	SLU 1	-0.6231	-1.8693
561	SLU 30	-0.82382	-2.47146	SLU 1	-0.57586	-1.72758
562	SLU 30	-0.82797	-2.48391	SLU 1	-0.57818	-1.73453
563	SLU 30	-0.83151	-2.49452	SLU 1	-0.58007	-1.74022
564	SLU 30	-0.83456	-2.50369	SLU 1	-0.58164	-1.74491
565	SLU 30	-0.83726	-2.51177	SLU 1	-0.58294	-1.74882
566	SLU 30	-0.83971	-2.51914	SLU 1	-0.58407	-1.75221
567	SLU 30	-0.84206	-2.52617	SLU 1	-0.58512	-1.75536
568	SLU 30	-0.84421	-2.53263	SLU 1	-0.58608	-1.75825
569	SLU 30	-0.84642	-2.53927	SLU 1	-0.58709	-1.76128
570	SLU 30	-0.84877	-2.54632	SLU 1	-0.58818	-1.76455
571	SLU 30	-0.85128	-2.55383	SLU 1	-0.58937	-1.76811
572	SLU 30	-0.8539	-2.56171	SLU 1	-0.59064	-1.77191
573	SLU 30	-0.85658	-2.56973	SLU 1	-0.59194	-1.77581
574	SLU 30	-0.8592	-2.57759	SLU 1	-0.59321	-1.77962
575	SLU 30	-0.86166	-2.58498	SLU 1	-0.59437	-1.78311
576	SLU 30	-0.86386	-2.59159	SLU 1	-0.59537	-1.78612
577	SLU 30	-0.86573	-2.59718	SLU 1	-0.59616	-1.78848
578	SLU 30	-0.86719	-2.60157	SLU 1	-0.59669	-1.79008
579	SLU 30	-0.8682	-2.6046	SLU 1	-0.59695	-1.79084
580	SLU 30	-0.86876	-2.60628	SLU 1	-0.59692	-1.79076
581	SLU 30	-0.86911	-2.60733	SLU 1	-0.59678	-1.79033
582	SLU 30	-0.86909	-2.60726	SLU 1	-0.59641	-1.78922
583	SLU 30	-0.86873	-2.6062	SLU 1	-0.59584	-1.78751
584	SLU 30	-0.86814	-2.60442	SLU 1	-0.59512	-1.78537
585	SLU 30	-0.86737	-2.60212	SLU 1	-0.59431	-1.78294
586	SLU 30	-0.86651	-2.59954	SLU 1	-0.59345	-1.78034
587	SLU 30	-0.8656	-2.59681	SLU 1	-0.59256	-1.77767
588	SLU 30	-0.86469	-2.59407	SLU 1	-0.59167	-1.775
589	SLU 30	-0.86379	-2.59138	SLU 1	-0.59079	-1.77236
590	SLU 30	-0.86292	-2.58876	SLU 1	-0.58992	-1.76976
591	SLU 30	-0.86203	-2.58609	SLU 1	-0.58903	-1.7671
592	SLU 30	-0.86117	-2.58352	SLU 1	-0.58817	-1.76451
593	SLU 30	-0.86036	-2.58107	SLU 1	-0.58734	-1.76203
594	SLU 30	-0.85957	-2.57872	SLU 1	-0.58655	-1.75966
595	SLU 30	-0.85881	-2.57642	SLU 1	-0.5858	-1.75739
596	SLU 30	-0.85804	-2.57411	SLU 1	-0.58507	-1.7552
597	SLU 30	-0.85724	-2.57172	SLU 1	-0.58435	-1.75305
598	SLU 30	-0.85639	-2.56917	SLU 1	-0.58363	-1.75088
599	SLU 30	-0.85545	-2.56636	SLU 1	-0.58288	-1.74865
600	SLU 30	-0.85441	-2.56324	SLU 1	-0.5821	-1.7463
601	SLU 30	-0.85324	-2.55971	SLU 1	-0.58126	-1.74379
602	SLU 30	-0.8519	-2.55571	SLU 1	-0.58035	-1.74104
603	SLU 30	-0.85039	-2.55117	SLU 1	-0.57934	-1.73801
604	SLU 30	-0.84867	-2.54601	SLU 1	-0.57821	-1.73464
605	SLU 30	-0.84672	-2.54017	SLU 1	-0.57695	-1.73086
606	SLU 30	-0.84452	-2.53357	SLU 1	-0.57553	-1.7266
607	SLU 30	-0.84207	-2.52621	SLU 1	-0.57395	-1.72184
608	SLU 30	-0.83945	-2.51835	SLU 1	-0.57225	-1.71676
609	SLU 30	-0.83665	-2.50994	SLU 1	-0.57044	-1.71132
610	SLU 30	-0.83374	-2.50122	SLU 1	-0.56857	-1.7057
611	SLU 30	-0.83083	-2.49248	SLU 1	-0.5667	-1.70011
612	SLU 30	-0.828	-2.484	SLU 1	-0.56491	-1.69473
613	SLU 30	-0.82532	-2.47597	SLU 1	-0.56324	-1.68971
614	SLU 30	-0.82286	-2.46858	SLU 1	-0.56173	-1.68519

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
615	SLU 30	-0.82065	-2.46195	SLU 1	-0.56041	-1.68123
616	SLU 30	-0.81872	-2.45615	SLU 1	-0.55929	-1.67788
617	SLU 30	-0.81707	-2.45121	SLU 1	-0.55839	-1.67518
618	SLU 30	-0.81572	-2.44715	SLU 1	-0.5577	-1.6731
619	SLU 30	-0.81464	-2.44391	SLU 1	-0.5572	-1.67161
620	SLU 30	-0.81381	-2.44142	SLU 1	-0.55689	-1.67067
621	SLU 30	-0.8132	-2.43961	SLU 1	-0.55673	-1.67018
622	SLU 30	-0.81278	-2.43834	SLU 1	-0.55669	-1.67007
623	SLU 30	-0.81249	-2.43748	SLU 1	-0.55675	-1.67024
624	SLU 30	-0.81229	-2.43688	SLU 1	-0.55686	-1.67057
625	SLU 30	-0.81212	-2.43637	SLU 1	-0.55698	-1.67093
626	SLU 30	-0.81193	-2.43579	SLU 1	-0.55707	-1.67122
627	SLU 30	-0.81165	-2.43495	SLU 1	-0.5571	-1.67129
628	SLU 30	-0.81122	-2.43367	SLU 1	-0.55701	-1.67104
629	SLU 30	-0.8106	-2.4318	SLU 1	-0.55678	-1.67035
630	SLU 30	-0.80973	-2.4292	SLU 1	-0.55638	-1.66913
631	SLU 30	-0.80859	-2.42577	SLU 1	-0.55577	-1.66731
632	SLU 30	-0.80716	-2.42147	SLU 1	-0.55496	-1.66489
633	SLU 30	-0.80546	-2.41637	SLU 1	-0.55397	-1.6619
634	SLU 30	-0.80191	-2.40573	SLU 1	-0.55185	-1.65554
637	SLU 30	-0.85973	-2.57919	SLU 1	-0.58822	-1.76467
638	SLU 30	-0.83927	-2.5178	SLU 1	-0.57306	-1.71917
641	SLU 30	-0.85662	-2.56986	SLU 1	-0.58661	-1.75983
642	SLU 30	-0.83658	-2.50973	SLU 1	-0.5723	-1.7169
643	SLU 30	-0.8538	-2.56139	SLU 1	-0.58518	-1.75554
644	SLU 30	-0.83413	-2.50239	SLU 1	-0.57169	-1.71508
645	SLU 30	-0.8512	-2.55361	SLU 1	-0.5839	-1.75169
646	SLU 30	-0.83187	-2.49561	SLU 1	-0.5712	-1.71359
647	SLU 30	-0.84879	-2.54637	SLU 1	-0.58273	-1.74819
648	SLU 30	-0.82974	-2.48923	SLU 1	-0.57076	-1.71229
649	SLU 30	-0.84649	-2.53947	SLU 1	-0.58163	-1.7449
650	SLU 30	-0.82771	-2.48312	SLU 1	-0.57037	-1.71111
651	SLU 30	-0.84425	-2.53276	SLU 1	-0.58057	-1.74172
652	SLU 30	-0.82573	-2.4772	SLU 1	-0.57	-1.71
653	SLU 30	-0.84204	-2.52613	SLU 1	-0.57953	-1.7386
654	SLU 30	-0.82381	-2.47142	SLU 1	-0.56964	-1.70892
655	SLU 30	-0.83985	-2.51954	SLU 1	-0.5785	-1.73551
656	SLU 30	-0.84144	-2.52432	SLU 1	-0.5797	-1.73909
657	SLU 30	-0.84309	-2.52927	SLU 1	-0.58092	-1.74276
658	SLU 30	-0.84506	-2.53517	SLU 1	-0.58237	-1.7471
659	SLU 30	-0.84714	-2.54141	SLU 1	-0.58388	-1.75163
660	SLU 30	-0.84923	-2.54769	SLU 1	-0.58538	-1.75614
661	SLU 30	-0.85132	-2.55397	SLU 1	-0.58687	-1.76062
662	SLU 30	-0.85297	-2.55892	SLU 1	-0.58805	-1.76416
663	SLU 30	-0.85397	-2.5619	SLU 1	-0.58878	-1.76635
664	SLU 30	-0.85414	-2.56243	SLU 1	-0.58896	-1.76689
665	SLU 30	-0.85342	-2.56026	SLU 1	-0.58855	-1.76564
666	SLU 30	-0.85178	-2.55534	SLU 1	-0.58754	-1.76261
667	SLU 30	-0.84928	-2.54783	SLU 1	-0.58598	-1.75793
668	SLU 30	-0.84606	-2.53818	SLU 1	-0.58397	-1.75192
669	SLU 30	-0.84192	-2.52575	SLU 1	-0.58141	-1.74423
670	SLU 30	-0.83741	-2.51222	SLU 1	-0.57864	-1.73593
671	SLU 30	-0.83227	-2.49682	SLU 1	-0.57553	-1.72659
672	SLU 30	-0.82708	-2.48124	SLU 1	-0.5724	-1.71719
673	SLU 30	-0.82191	-2.46573	SLU 1	-0.5693	-1.70789
4748	SLU 30	-1.22898	-3.68695	SLU 1	-0.86039	-2.58117
4749	SLU 30	-1.22701	-3.68102	SLU 1	-0.86125	-2.58374
4750	SLU 30	-1.22749	-3.68248	SLU 1	-0.86116	-2.58347
4751	SLU 30	-1.22795	-3.68386	SLU 1	-0.86103	-2.5831
4752	SLU 30	-1.22829	-3.68488	SLU 1	-0.86081	-2.58242
4753	SLU 30	-1.22845	-3.68536	SLU 1	-0.86043	-2.5813
4754	SLU 30	-1.22847	-3.68542	SLU 1	-0.85994	-2.57982
4756	SLU 30	-1.21412	-3.64236	SLU 1	-0.84727	-2.54182
4757	SLU 30	-1.20005	-3.60014	SLU 1	-0.83475	-2.50424
4758	SLU 30	-1.18749	-3.56246	SLU 1	-0.82335	-2.47005
4759	SLU 30	-1.17704	-3.53111	SLU 1	-0.81354	-2.44063
4760	SLU 30	-1.16909	-3.50728	SLU 1	-0.80562	-2.41686
4761	SLU 30	-1.16383	-3.49148	SLU 1	-0.79971	-2.39914
4762	SLU 30	-1.16124	-3.48373	SLU 1	-0.79582	-2.38746
4763	SLU 30	-1.16125	-3.48374	SLU 1	-0.79387	-2.3816
4764	SLU 30	-1.16366	-3.49097	SLU 1	-0.79373	-2.38118
4765	SLU 30	-1.16822	-3.50466	SLU 1	-0.79521	-2.38563
4766	SLU 30	-1.17454	-3.52363	SLU 1	-0.79806	-2.39417
4767	SLU 30	-1.18208	-3.54625	SLU 1	-0.80189	-2.40567
4768	SLU 30	-1.19014	-3.57042	SLU 1	-0.80623	-2.41869
4769	SLU 30	-1.19794	-3.59383	SLU 1	-0.81055	-2.43164
4770	SLU 30	-1.20482	-3.61445	SLU 1	-0.81437	-2.44311
4771	SLU 30	-1.21035	-3.63106	SLU 1	-0.8174	-2.45221
4772	SLU 30	-1.21447	-3.6434	SLU 1	-0.81958	-2.45873
4773	SLU 30	-1.21727	-3.65181	SLU 1	-0.82096	-2.46289
4774	SLU 30	-1.21889	-3.65667	SLU 1	-0.82164	-2.46493
4775	SLU 30	-1.21934	-3.65803	SLU 1	-0.82162	-2.46485
4776	SLU 30	-1.21855	-3.65565	SLU 1	-0.82082	-2.46247
4777	SLU 30	-1.21648	-3.64943	SLU 1	-0.81923	-2.45769
4778	SLU 30	-1.2133	-3.63989	SLU 1	-0.81695	-2.45084
4779	SLU 30	-1.20946	-3.62839	SLU 1	-0.81427	-2.4428
4780	SLU 30	-1.2056	-3.61679	SLU 1	-0.81161	-2.43482
4781	SLU 30	-1.20232	-3.60697	SLU 1	-0.80937	-2.42812
4782	SLU 30	-1.20016	-3.60048	SLU 1	-0.8079	-2.42371
4783	SLU 30	-1.19947	-3.5984	SLU 1	-0.80742	-2.42226
4784	SLU 30	-1.20045	-3.60135	SLU 1	-0.80805	-2.42415
4785	SLU 30	-1.20319	-3.60958	SLU 1	-0.80984	-2.42953
4786	SLU 30	-1.20765	-3.62296	SLU 1	-0.81277	-2.43832
4787	SLU 30	-1.21364	-3.64092	SLU 1	-0.81673	-2.45019
4788	SLU 30	-1.2208	-3.6624	SLU 1	-0.82148	-2.46444
4789	SLU 30	-1.2286	-3.68581	SLU 1	-0.82669	-2.48006
4790	SLU 30	-1.23641	-3.70923	SLU 1	-0.83192	-2.49577
4791	SLU 30	-1.24359	-3.73078	SLU 1	-0.83677	-2.51032
4792	SLU 30	-1.24972	-3.74917	SLU 1	-0.84095	-2.52284
4793	SLU 30	-1.25465	-3.76394	SLU 1	-0.84435	-2.53306

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
4794	SLU 30	-1.25842	-3.77525	SLU 1	-0.84703	-2.5411
4795	SLU 30	-1.2611	-3.7833	SLU 1	-0.84905	-2.54715
4796	SLU 30	-1.26265	-3.78796	SLU 1	-0.85037	-2.55111
4797	SLU 30	-1.26286	-3.78857	SLU 1	-0.85086	-2.55257
4798	SLU 30	-1.26144	-3.78431	SLU 1	-0.85032	-2.55097
4799	SLU 30	-1.25823	-3.77468	SLU 1	-0.84866	-2.54599
4800	SLU 30	-1.25333	-3.75998	SLU 1	-0.84594	-2.53783
4801	SLU 30	-1.24706	-3.74118	SLU 1	-0.84239	-2.52716
4802	SLU 30	-1.23986	-3.71959	SLU 1	-0.83829	-2.51487
4803	SLU 30	-1.23212	-3.69635	SLU 1	-0.8339	-2.5017
4804	SLU 30	-1.22407	-3.67222	SLU 1	-0.82938	-2.48814
4805	SLU 30	-1.21586	-3.64758	SLU 1	-0.82479	-2.47437
4807	SLU 30	-1.20756	-3.62267	SLU 1	-0.82017	-2.4605
4808	SLU 30	-1.16454	-3.49363	SLU 1	-0.79169	-2.37506
4809	SLU 30	-1.16614	-3.49842	SLU 1	-0.79015	-2.37044
4810	SLU 30	-1.16766	-3.50299	SLU 1	-0.78858	-2.36575
4811	SLU 30	-1.16897	-3.5069	SLU 1	-0.78693	-2.36078
4812	SLU 30	-1.16984	-3.50953	SLU 1	-0.78507	-2.35521
4813	SLU 30	-1.17002	-3.51005	SLU 1	-0.78286	-2.34859
4814	SLU 30	-1.16912	-3.50736	SLU 1	-0.78009	-2.34028
4815	SLU 30	-1.16682	-3.50045	SLU 1	-0.77657	-2.3297
4816	SLU 30	-1.16292	-3.48876	SLU 1	-0.7722	-2.31659
4817	SLU 30	-1.15751	-3.47254	SLU 1	-0.76705	-2.30116
4818	SLU 30	-1.15091	-3.45274	SLU 1	-0.76135	-2.28405
4819	SLU 30	-1.14347	-3.43042	SLU 1	-0.75532	-2.26596
4820	SLU 30	-1.13543	-3.4063	SLU 1	-0.74911	-2.24732
4821	SLU 30	-1.12687	-3.3806	SLU 1	-0.74272	-2.22817
4822	SLU 30	-1.11775	-3.35325	SLU 1	-0.73614	-2.20842
4823	SLU 30	-1.10814	-3.32442	SLU 1	-0.72936	-2.18807
4824	SLU 30	-1.09828	-3.29485	SLU 1	-0.72252	-2.16757
4825	SLU 30	-1.08863	-3.2659	SLU 1	-0.71591	-2.14774
4826	SLU 30	-1.07972	-3.23915	SLU 1	-0.70986	-2.12957
4827	SLU 30	-1.072	-3.216	SLU 1	-0.70464	-2.11391
4828	SLU 30	-1.0658	-3.1974	SLU 1	-0.70044	-2.10132
4829	SLU 30	-1.06128	-3.18385	SLU 1	-0.69736	-2.09207
4830	SLU 30	-1.0585	-3.17549	SLU 1	-0.69539	-2.08618
4831	SLU 30	-1.05739	-3.17217	SLU 1	-0.69451	-2.08353
4832	SLU 30	-1.05786	-3.17357	SLU 1	-0.69464	-2.08392
4833	SLU 30	-1.05971	-3.17912	SLU 1	-0.69567	-2.08702
4834	SLU 30	-1.06267	-3.188	SLU 1	-0.69744	-2.09232
4835	SLU 30	-1.06634	-3.19902	SLU 1	-0.69969	-2.09906
4836	SLU 30	-1.07024	-3.21073	SLU 1	-0.70211	-2.10632
4837	SLU 30	-1.07388	-3.22164	SLU 1	-0.70437	-2.11312
4838	SLU 30	-1.07687	-3.23061	SLU 1	-0.70624	-2.11873
4839	SLU 30	-1.07905	-3.23716	SLU 1	-0.70761	-2.12284
4840	SLU 30	-1.08047	-3.2414	SLU 1	-0.70851	-2.12552
4841	SLU 30	-1.08122	-3.24365	SLU 1	-0.709	-2.12699
4842	SLU 30	-1.08134	-3.24402	SLU 1	-0.70911	-2.12734
4843	SLU 30	-1.08077	-3.2423	SLU 1	-0.7088	-2.12641
4844	SLU 30	-1.07938	-3.23813	SLU 1	-0.70799	-2.12397
4845	SLU 30	-1.07716	-3.23148	SLU 1	-0.70665	-2.11996
4846	SLU 30	-1.07431	-3.22294	SLU 1	-0.70493	-2.11479
4847	SLU 30	-1.07126	-3.21378	SLU 1	-0.70309	-2.10927
4848	SLU 30	-1.06852	-3.20556	SLU 1	-0.70148	-2.10443
4849	SLU 30	-1.0666	-3.1998	SLU 1	-0.70041	-2.10123
4850	SLU 30	-1.06588	-3.19765	SLU 1	-0.70014	-2.10041
4851	SLU 30	-1.06664	-3.19992	SLU 1	-0.70082	-2.10247
4852	SLU 30	-1.06901	-3.20703	SLU 1	-0.70255	-2.10766
4853	SLU 30	-1.07305	-3.21914	SLU 1	-0.70536	-2.11608
4854	SLU 30	-1.07872	-3.23616	SLU 1	-0.70924	-2.12772
4855	SLU 30	-1.08593	-3.25778	SLU 1	-0.71415	-2.14244
4856	SLU 30	-1.09444	-3.28333	SLU 1	-0.71995	-2.15985
4857	SLU 30	-1.10391	-3.31174	SLU 1	-0.72645	-2.17934
4858	SLU 30	-1.11386	-3.34158	SLU 1	-0.73333	-2.19999
4859	SLU 30	-1.12373	-3.37118	SLU 1	-0.74026	-2.22078
4860	SLU 30	-1.13302	-3.39906	SLU 1	-0.74692	-2.24076
4861	SLU 30	-1.14142	-3.42427	SLU 1	-0.75313	-2.25939
4862	SLU 30	-1.14884	-3.44651	SLU 1	-0.75884	-2.27651
4863	SLU 30	-1.15528	-3.46583	SLU 1	-0.76408	-2.29223
4864	SLU 30	-1.16074	-3.48221	SLU 1	-0.76886	-2.30658
4865	SLU 30	-1.1651	-3.49529	SLU 1	-0.77313	-2.31938
4866	SLU 30	-1.16818	-3.50455	SLU 1	-0.77678	-2.33033
4867	SLU 30	-1.16992	-3.50977	SLU 1	-0.77977	-2.33932
4868	SLU 30	-1.17044	-3.51132	SLU 1	-0.78221	-2.34663
4869	SLU 30	-1.17005	-3.51016	SLU 1	-0.7843	-2.35289
4870	SLU 30	-1.16916	-3.50747	SLU 1	-0.78628	-2.35885
4871	SLU 30	-1.16807	-3.5042	SLU 1	-0.78836	-2.36507
4872	SLU 30	-1.16697	-3.5009	SLU 1	-0.79059	-2.37176
4873	SLU 30	-1.16589	-3.49768	SLU 1	-0.79295	-2.37886
4874	SLU 30	-1.16483	-3.49448	SLU 1	-0.79537	-2.38611
4875	SLU 30	-1.15554	-3.46662	SLU 1	-0.78955	-2.36864
4876	SLU 30	-1.14643	-3.4393	SLU 1	-0.7838	-2.3514
4877	SLU 30	-1.13768	-3.41303	SLU 1	-0.77821	-2.33464
4878	SLU 30	-1.12936	-3.38808	SLU 1	-0.77283	-2.3185
4879	SLU 30	-1.12145	-3.36436	SLU 1	-0.76762	-2.30286
4880	SLU 30	-1.11381	-3.34144	SLU 1	-0.76247	-2.28742
4881	SLU 30	-1.10624	-3.31873	SLU 1	-0.75726	-2.27178
4882	SLU 30	-1.09858	-3.29575	SLU 1	-0.75188	-2.25564
4883	SLU 30	-1.09075	-3.27226	SLU 1	-0.7463	-2.2389
4884	SLU 30	-1.08277	-3.24832	SLU 1	-0.74055	-2.22165
4885	SLU 30	-1.02175	-3.06526	SLU 1	-0.69921	-2.09764
4886	SLU 30	-0.96103	-2.88309	SLU 1	-0.65811	-1.97434
4887	SLU 30	-0.90087	-2.7026	SLU 1	-0.61746	-1.85237
4888	SLU 30	-0.84138	-2.52415	SLU 1	-0.57735	-1.73204
4889	SLU 30	-0.78256	-2.34767	SLU 1	-0.53777	-1.6133
4890	SLU 30	-0.72424	-2.17271	SLU 1	-0.49859	-1.49578
4891	SLU 30	-0.6662	-1.9986	SLU 1	-0.45965	-1.37894
4892	SLU 30	-1.07457	-3.22372	SLU 1	-0.73463	-2.20388
4893	SLU 30	-0.66532	-1.99597	SLU 1	-0.45973	-1.37918
4894	SLU 30	-1.06608	-3.19823	SLU 1	-0.72847	-2.18541

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
4895	SLU 30	-0.66437	-1.99311	SLU 1	-0.45973	-1.37918
4896	SLU 30	-1.05719	-3.17157	SLU 1	-0.72202	-2.16607
4897	SLU 30	-0.66329	-1.98986	SLU 1	-0.45958	-1.37875
4898	SLU 30	-1.04797	-3.1439	SLU 1	-0.71533	-2.146
4899	SLU 30	-0.66206	-1.98617	SLU 1	-0.45927	-1.37782
4900	SLU 30	-1.0385	-3.1155	SLU 1	-0.70849	-2.12548
4901	SLU 30	-0.66068	-1.98204	SLU 1	-0.45878	-1.37635
4902	SLU 30	-1.02888	-3.08664	SLU 1	-0.70158	-2.10475
4903	SLU 30	-0.65918	-1.97755	SLU 6	-0.45802	-1.37407
4904	SLU 30	-1.01912	-3.05737	SLU 1	-0.69465	-2.08395
4905	SLU 29	-0.65766	-1.97299	SLU 8	-0.45689	-1.37066
4906	SLU 30	-1.00923	-3.02769	SLU 1	-0.68771	-2.06314
4907	SLU 29	-0.65611	-1.96833	SLU 8	-0.45559	-1.36678
4908	SLU 30	-0.99923	-2.99769	SLU 1	-0.68081	-2.04243
4909	SLU 29	-0.65454	-1.96362	SLU 8	-0.45419	-1.36257
4910	SLU 30	-0.98924	-2.96773	SLU 1	-0.67402	-2.02206
4911	SLU 29	-0.65299	-1.95898	SLU 8	-0.45271	-1.35814
4912	SLU 30	-0.97946	-2.93837	SLU 1	-0.66745	-2.00236
4913	SLU 29	-0.65151	-1.95452	SLU 8	-0.45119	-1.35358
4914	SLU 30	-0.97006	-2.91019	SLU 1	-0.66122	-1.98365
4915	SLU 29	-0.65011	-1.95033	SLU 8	-0.44965	-1.34896
4916	SLU 30	-0.96116	-2.88348	SLU 1	-0.65536	-1.96607
4917	SLU 29	-0.64884	-1.94651	SLU 8	-0.44812	-1.34437
4918	SLU 30	-0.95271	-2.85813	SLU 1	-0.64983	-1.94948
4919	SLU 29	-0.64769	-1.94307	SLU 8	-0.44662	-1.33986
4920	SLU 30	-0.94455	-2.83365	SLU 1	-0.6445	-1.9335
4921	SLU 29	-0.64666	-1.93999	SLU 8	-0.44515	-1.33546
4924	SLU 30	-0.94908	-2.84723	SLU 1	-0.64785	-1.94356
4925	SLU 30	-0.90519	-2.71558	SLU 1	-0.61882	-1.85645
4926	SLU 30	-0.86136	-2.58408	SLU 1	-0.58984	-1.76951
4930	SLU 30	-0.81835	-2.45505	SLU 1	-0.56141	-1.68424
4931	SLU 30	-0.77478	-2.32434	SLU 1	-0.53273	-1.59819
4932	SLU 30	-0.73135	-2.19405	SLU 1	-0.5042	-1.51259
4933	SLU 29	-0.68819	-2.06457	SLU 8	-0.4751	-1.42531
4934	SLU 29	-0.64573	-1.93718	SLU 8	-0.44372	-1.33116
6403	SLU 30	-1.20934	-3.62803	SLU 1	-0.82974	-2.48922
6409	SLU 30	-1.07358	-3.22075	SLU 1	-0.73646	-2.20937
6410	SLU 30	-1.11332	-3.33996	SLU 1	-0.76407	-2.29221
6411	SLU 30	-1.05679	-3.17036	SLU 1	-0.72363	-2.17089
6515	SLU 30	-1.23837	-3.7151	SLU 1	-0.83697	-2.51092
6520	SLU 30	-0.95182	-2.85547	SLU 1	-0.64346	-1.93039
6521	SLU 30	-1.02201	-3.06602	SLU 1	-0.69247	-2.07741
6522	SLU 30	-1.10234	-3.30703	SLU 1	-0.74633	-2.239
6525	SLU 30	-0.91597	-2.74792	SLU 1	-0.61411	-1.84232
6774	SLU 30	-1.09801	-3.29402	SLU 1	-0.72451	-2.17353
6777	SLU 30	-1.10693	-3.3208	SLU 1	-0.73027	-2.19081
6871	SLU 30	-1.02458	-3.07373	SLU 1	-0.67661	-2.02982
6872	SLU 30	-1.0274	-3.08219	SLU 1	-0.67745	-2.03234
6899	SLU 30	-0.98291	-2.94874	SLU 1	-0.64857	-1.94571
6900	SLU 30	-0.97944	-2.93831	SLU 1	-0.64427	-1.93281
6971	SLU 30	-0.94294	-2.82883	SLU 1	-0.61957	-1.8587
6972	SLU 30	-0.93084	-2.79253	SLU 1	-0.60823	-1.8247
6995	SLU 30	-0.91894	-2.75683	SLU 1	-0.60129	-1.80386
6996	SLU 30	-0.8998	-2.6994	SLU 1	-0.58437	-1.7531
7032	SLU 30	-1.03467	-3.10401	SLU 1	-0.67449	-2.02348
7033	SLU 30	-1.06777	-3.20331	SLU 1	-0.70972	-2.12917
7034	SLU 30	-0.91317	-2.73951	SLU 1	-0.598	-1.79401
7035	SLU 30	-0.88704	-2.66112	SLU 1	-0.57604	-1.72813
7039	SLU 30	-1.03003	-3.0901	SLU 1	-0.68184	-2.04551
7040	SLU 30	-0.95434	-2.86303	SLU 1	-0.62807	-1.88422
7041	SLU 30	-0.91875	-2.75625	SLU 1	-0.59567	-1.78702
7042	SLU 30	-0.95443	-2.86329	SLU 1	-0.61382	-1.84146
7043	SLU 30	-0.96376	-2.89129	SLU 1	-0.61793	-1.8538
7044	SLU 30	-0.94826	-2.84479	SLU 1	-0.60916	-1.82747
7045	SLU 30	-0.90403	-2.71209	SLU 1	-0.58411	-1.75232
7046	SLU 30	-0.91508	-2.74523	SLU 1	-0.59248	-1.77743
7047	SLU 30	-0.97426	-2.92277	SLU 1	-0.62902	-1.88706
7048	SLU 30	-1.01081	-3.03243	SLU 1	-0.65379	-1.96138
7049	SLU 30	-1.04928	-3.14785	SLU 1	-0.6947	-2.0841
7050	SLU 30	-1.08426	-3.25277	SLU 1	-0.73306	-2.19917
7053	SLU 30	-0.91299	-2.73897	SLU 1	-0.59811	-1.79434
7054	SLU 30	-0.88628	-2.65884	SLU 1	-0.57578	-1.72734
7086	SLU 30	-0.9197	-2.7591	SLU 1	-0.6095	-1.82851
7087	SLU 30	-0.88266	-2.64799	SLU 1	-0.58072	-1.74216
7155	SLU 30	-0.9648	-2.8944	SLU 1	-0.64889	-1.94668
7179	SLU 30	-0.91551	-2.74653	SLU 1	-0.61277	-1.83831

Pressioni terreno in SLV/SLVf/SLUEcc



Rappresentazione in pianta delle massime compressioni sul terreno in famiglie SLV/SLVf/SLUEcc.

***Nodo**: Nodo che interagisce col terreno.*
***Ind.**: indice del nodo.*
***Pressione minima**: situazione in cui si verifica la pressione minima nel nodo.*
***Cont.**: nome breve della condizione o combinazione di carico a cui si riferisce la pressione minima.*
***uz**: spostamento massimo verticale del nodo. [cm]*
***Valore**: pressione minima sul terreno del nodo. [daN/cm²]*
***Pressione massima**: situazione in cui si verifica la pressione massima nel nodo.*
***Cont.**: nome breve della condizione o combinazione di carico a cui si riferisce la pressione massima.*
***uz**: spostamento minimo verticale del nodo. [cm]*
***Valore**: pressione massima sul terreno del nodo. [daN/cm²]*

Compressione estrema massima -4.62363 al nodo di indice 4748, di coordinate x = 3009, y = 1195, z = -125, nel contesto SLV fondazioni 13.
Spostamento estremo minimo -1.54121 al nodo di indice 4748, di coordinate x = 3009, y = 1195, z = -125, nel contesto SLV fondazioni 13.
Spostamento estremo massimo 0.00039 al nodo di indice 4891, di coordinate x = 5884, y = 3928, z = -125, nel contesto SLV fondazioni 7.

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2	SLV FO 5	-1.12154	-3.36461	SLV FO 11	-0.42404	-1.27212
3	SLV FO 5	-1.12617	-3.37852	SLV FO 11	-0.43595	-1.30784
4	SLV FO 5	-1.1309	-3.3927	SLV FO 11	-0.4478	-1.34339
5	SLV FO 5	-1.13566	-3.40699	SLV FO 11	-0.45958	-1.37875
6	SLV FO 5	-1.14038	-3.42115	SLV FO 11	-0.47128	-1.41385
7	SLV FO 5	-1.14498	-3.43494	SLV FO 11	-0.48283	-1.44848
8	SLV FO 5	-1.1494	-3.44821	SLV FO 11	-0.49412	-1.48235
9	SLV FO 5	-1.15369	-3.46106	SLV FO 11	-0.505	-1.51499
10	SLV FO 5	-1.15812	-3.47437	SLV FO 11	-0.51507	-1.5452
11	SLV FO 9	-1.16465	-3.49395	SLV FO 7	-0.52234	-1.56703
12	SLV FO 9	-1.17855	-3.53566	SLV FO 7	-0.52153	-1.56458
13	SLV FO 9	-1.19629	-3.58886	SLV FO 7	-0.51622	-1.54867
14	SLV FO 9	-1.21457	-3.64372	SLV FO 7	-0.5098	-1.5294
15	SLV FO 9	-1.23292	-3.69876	SLV FO 7	-0.5029	-1.50869
16	SLV FO 9	-1.25128	-3.75384	SLV FO 7	-0.49573	-1.48718
17	SLV FO 9	-1.26969	-3.80908	SLV FO 7	-0.48841	-1.46523
18	SLV FO 9	-1.24986	-3.74959	SLV FO 7	-0.49585	-1.48754
19	SLV FO 5	-1.08222	-3.24665	SLV FO 11	-0.42186	-1.26557
20	SLV FO 9	-1.23012	-3.69035	SLV FO 7	-0.50338	-1.51013
21	SLV FO 5	-1.04298	-3.12893	SLV FO 11	-0.41968	-1.25905
22	SLV FO 9	-1.21048	-3.63145	SLV FO 7	-0.51109	-1.53326
23	SLV FO 5	-1.00388	-3.01163	SLV FO 11	-0.41752	-1.25256
24	SLV FO 9	-1.19099	-3.57297	SLV FO 7	-0.51903	-1.5571

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
25	SLV FO 5	-0.96502	-2.89506	SLV FO 11	-0.41534	-1.24601
26	SLV FO 9	-1.17165	-3.51496	SLV FO 7	-0.52726	-1.58178
27	SLV FO 5	-0.92659	-2.77978	SLV FO 11	-0.41311	-1.23933
28	SLV FO 9	-1.15249	-3.45748	SLV FO 7	-0.53578	-1.60733
29	SLV FO 5	-0.88896	-2.66688	SLV FO 11	-0.41083	-1.23248
30	SLV FO 9	-1.13353	-3.40058	SLV FO 7	-0.54457	-1.63372
31	SLV FO 5	-0.85272	-2.55815	SLV FO 11	-0.40853	-1.22559
32	SLV FO 9	-1.11475	-3.34426	SLV FO 7	-0.55362	-1.66085
33	SLV FO 5	-0.81878	-2.45635	SLV FO 11	-0.40635	-1.21904
34	SLV FO 9	-1.09615	-3.28844	SLV FO 7	-0.56285	-1.68855
35	SLV FO 5	-0.78814	-2.36441	SLV FO 11	-0.40449	-1.21346
36	SLV FO 5	-0.8003	-2.4009	SLV FO 11	-0.43286	-1.29857
37	SLV FO 5	-0.81324	-2.43973	SLV FO 11	-0.46194	-1.38582
38	SLV FO 5	-0.82629	-2.47888	SLV FO 11	-0.48928	-1.46784
39	SLV FO 5	-0.83951	-2.51853	SLV FO 11	-0.51451	-1.54353
40	SLV FO 5	-0.85749	-2.57248	SLV FO 11	-0.54427	-1.63281
41	SLV FO 9	-0.88009	-2.64026	SLV FO 7	-0.56493	-1.6948
42	SLV FO 9	-0.90392	-2.71176	SLV FO 7	-0.5714	-1.7142
43	SLV FO 9	-0.9285	-2.78549	SLV FO 7	-0.57515	-1.72544
44	SLV FO 9	-0.95314	-2.85942	SLV FO 7	-0.5771	-1.73131
45	SLV FO 9	-0.97783	-2.93348	SLV FO 7	-0.57766	-1.73299
46	SLV FO 9	-1.0026	-3.00781	SLV FO 7	-0.57716	-1.73147
47	SLV FO 9	-1.0275	-3.0825	SLV FO 7	-0.57589	-1.72767
48	SLV FO 9	-1.05253	-3.15759	SLV FO 7	-0.57414	-1.72243
49	SLV FO 9	-1.07766	-3.23298	SLV FO 7	-0.57218	-1.71653
50	SLV FO 9	-0.87048	-2.61145	SLV FO 7	-0.5638	-1.6914
51	SLV FO 5	-0.75857	-2.27571	SLV FO 11	-0.40302	-1.20905
52	SLV FO 9	-0.86136	-2.58407	SLV FO 7	-0.56229	-1.68688
53	SLV FO 1	-0.7298	-2.1894	SLV FO 15	-0.28908	-0.86723
54	SLV FO 5	-0.73203	-2.19608	SLV FO 11	-0.40325	-1.20976
55	SLV FO 9	-0.85264	-2.55793	SLV FO 7	-0.56057	-1.68171
56	SLV FO 5	-0.71117	-2.1335	SLV FO 11	-0.4056	-1.2168
57	SLV FO 9	-0.84365	-2.53094	SLV FO 7	-0.55838	-1.67513
59	SLV FO 1	-0.7405	-2.2215	SLV FO 15	-0.17405	-0.52215
60	SLV FO 5	-0.69526	-2.08578	SLV FO 11	-0.41008	-1.23024
61	SLV FO 9	-0.83566	-2.50699	SLV FO 7	-0.5564	-1.6692
63	SLV FO 5	-0.68324	-2.04971	SLV FO 11	-0.41656	-1.24968
64	SLV FO 9	-0.82806	-2.48418	SLV FO 7	-0.55439	-1.66318
66	SLV FO 1	-0.8117	-2.43511	SLV FO 15	-0.07363	-0.22089
67	SLV FO 5	-0.67487	-2.02461	SLV FO 11	-0.42346	-1.27037
68	SLV FO 5	-0.69331	-2.07994	SLV FO 11	-0.45433	-1.36299
70	SLV FO 5	-0.71456	-2.14367	SLV FO 11	-0.48632	-1.45896
71	SLV FO 9	-0.73721	-2.21162	SLV FO 7	-0.50904	-1.52711
72	SLV FO 9	-0.7655	-2.29649	SLV FO 7	-0.52445	-1.57334
73	SLV FO 9	-0.7938	-2.3814	SLV FO 7	-0.53883	-1.6165
74	SLV FO 9	-0.82071	-2.46212	SLV FO 7	-0.55237	-1.65711
75	SLV FO 9	-0.82194	-2.46583	SLV FO 7	-0.55299	-1.65897
76	SLV FO 1	-0.80287	-2.40862	SLV FO 15	-0.08105	-0.24315
77	SLV FO 1	-0.67258	-2.01775	SLV FO 15	-0.26128	-0.78383
78	SLV FO 5	-0.67303	-2.01908	SLV FO 11	-0.42508	-1.27525
79	SLV FO 5	-0.68516	-2.05547	SLV FO 11	-0.46159	-1.38477
81	SLV FO 5	-0.67704	-2.03112	SLV FO 11	-0.46889	-1.40666
83	SLV FO 5	-0.66877	-2.0063	SLV FO 11	-0.47594	-1.42783
85	SLV FO 1	-0.75124	-2.25373	SLV FO 15	-0.11277	-0.33832
86	SLV FO 5	-0.66031	-1.98093	SLV FO 11	-0.48253	-1.4476
88	SLV FO 5	-0.65187	-1.95561	SLV FO 11	-0.48839	-1.46517
90	SLV FO 9	-0.644	-1.932	SLV FO 7	-0.49306	-1.47917
92	SLV FO 9	-0.63694	-1.91083	SLV FO 7	-0.49654	-1.48961
94	SLV FO 1	-0.69505	-2.08516	SLV FO 15	-0.15955	-0.47864
95	SLV FO 1	-0.6148	-1.84439	SLV FO 15	-0.26228	-0.78685
96	SLV FO 1	-0.5737	-1.72111	SLV FO 15	-0.39826	-1.19479
97	SLV FO 9	-0.63038	-1.89113	SLV FO 7	-0.49956	-1.49867
98	SLV FO 9	-0.63486	-1.90458	SLV FO 7	-0.50197	-1.5059
99	SLV FO 9	-0.62441	-1.87322	SLV FO 7	-0.50244	-1.50733
101	SLV FO 9	-0.61876	-1.85628	SLV FO 7	-0.50523	-1.51568
103	SLV FO 9	-0.61334	-1.84003	SLV FO 7	-0.5078	-1.5234
105	SLV FO 1	-0.64955	-1.94866	SLV FO 15	-0.19781	-0.59344
106	SLV FO 9	-0.60815	-1.82445	SLV FO 7	-0.51011	-1.53032
108	SLV FO 9	-0.60323	-1.80969	SLV FO 7	-0.51216	-1.53648
110	SLV FO 9	-0.59869	-1.79606	SLV FO 7	-0.51402	-1.54207
112	SLV FO 1	-0.60719	-1.82158	SLV FO 15	-0.24157	-0.72471
113	SLV FO 1	-0.54835	-1.64504	SLV FO 15	-0.3198	-0.95941
114	SLV FO 1	-0.52474	-1.57421	SLV FO 15	-0.43373	-1.30118
115	SLV FO 9	-0.59469	-1.78406	SLV FO 7	-0.51584	-1.54751
116	SLV FO 9	-0.59898	-1.79694	SLV FO 7	-0.51818	-1.55455
117	SLV FO 13	-0.59235	-1.77706	SLV FO 3	-0.51671	-1.55014
119	SLV FO 13	-0.59241	-1.77723	SLV FO 3	-0.51575	-1.54725
121	SLV FO 13	-0.59254	-1.77761	SLV FO 3	-0.51497	-1.5449
123	SLV FO 1	-0.56521	-1.69564	SLV FO 15	-0.29168	-0.87505
124	SLV FO 13	-0.59267	-1.77801	SLV FO 3	-0.51426	-1.54279
126	SLV FO 13	-0.5928	-1.77841	SLV FO 3	-0.51359	-1.54078
128	SLV FO 13	-0.593	-1.779	SLV FO 3	-0.51296	-1.53889
130	SLV FO 1	-0.55761	-1.67283	SLV FO 15	-0.34711	-1.04134
131	SLV FO 5	-0.45254	-1.35763	SLV FO 11	-0.15499	-0.46498
132	SLV FO 1	-0.44955	-1.34866	SLV FO 15	-0.24647	-0.73941
133	SLV FO 5	-0.63948	-1.91845	SLV FO 11	-0.06876	-0.20627
134	SLV FO 5	-0.52457	-1.57372	SLV FO 11	-0.109	-0.32701
135	SLV FO 5	-0.41539	-1.24618	SLV FO 11	-0.20439	-0.61318
136	SLV FO 1	-0.5119	-1.53569	SLV FO 15	-0.2898	-0.86939
137	SLV FO 1	-0.54947	-1.6484	SLV FO 15	-0.39923	-1.19769
138	SLV FO 1	-0.52851	-1.58554	SLV FO 15	-0.47889	-1.43668
139	SLV FO 13	-0.59338	-1.78015	SLV FO 3	-0.51243	-1.53728
140	SLV FO 13	-0.598	-1.794	SLV FO 3	-0.51217	-1.53652
141	SLV FO 13	-0.59409	-1.78226	SLV FO 3	-0.51204	-1.53612
143	SLV FO 13	-0.59492	-1.78476	SLV FO 3	-0.51177	-1.53532
145	SLV FO 13	-0.59568	-1.78705	SLV FO 3	-0.51157	-1.53472
147	SLV FO 1	-0.59264	-1.77792	SLV FO 15	-0.40053	-1.2016
148	SLV FO 1	-0.60359	-1.81076	SLV FO 15	-0.16944	-0.50831
149	SLV FO 5	-0.31391	-0.94174	SLV FO 11	-0.12761	-0.38283
150	SLV FO 1	-0.31943	-0.9583	SLV FO 15	-0.18848	-0.56544

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
151	SLV FO 13	-0.59626	-1.78877	SLV FO 3	-0.51146	-1.53437
153	SLV FO 13	-0.5966	-1.7898	SLV FO 3	-0.51148	-1.53444
155	SLV FO 13	-0.59676	-1.79027	SLV FO 3	-0.51175	-1.53525
157	SLV FO 1	-0.60392	-1.81176	SLV FO 15	-0.22961	-0.68883
158	SLV FO 1	-0.64573	-1.9372	SLV FO 15	-0.44321	-1.32963
159	SLV FO 1	-0.56799	-1.70397	SLV FO 15	-0.46233	-1.387
160	SLV FO 1	-0.52442	-1.57325	SLV FO 15	-0.51198	-1.53593
161	SLV FO 13	-0.59687	-1.79062	SLV FO 3	-0.51242	-1.53727
162	SLV FO 13	-0.60044	-1.80133	SLV FO 3	-0.51235	-1.53704
163	SLV FO 5	-0.21781	-0.65342	SLV FO 11	-0.10737	-0.3221
164	SLV FO 1	-0.23103	-0.69309	SLV FO 15	-0.14942	-0.44826
165	SLV FO 13	-0.59715	-1.79145	SLV FO 3	-0.51357	-1.5407
167	SLV FO 15	-0.59766	-1.79298	SLV FO 1	-0.51481	-1.54442
169	SLV FO 15	-0.59847	-1.79542	SLV FO 1	-0.51575	-1.54725
171	SLV FO 1	-0.66491	-1.99473	SLV FO 15	-0.46052	-1.38157
172	SLV FO 1	-0.59088	-1.77264	SLV FO 15	-0.25709	-0.77126
173	SLV FO 5	-0.17995	-0.53985	SLV FO 11	-0.11026	-0.33077
174	SLV FO 5	-0.21141	-0.63422	SLV FO 11	-0.13962	-0.41885
175	SLV FO 15	-0.59933	-1.79798	SLV FO 1	-0.5165	-1.54949
177	SLV FO 15	-0.60006	-1.80019	SLV FO 1	-0.51719	-1.55157
179	SLV FO 15	-0.60071	-1.80214	SLV FO 1	-0.51793	-1.55379
181	SLV FO 1	-0.64432	-1.93297	SLV FO 15	-0.4547	-1.36409
182	SLV FO 3	-0.56933	-1.70799	SLV FO 13	-0.47101	-1.41302
183	SLV FO 7	-0.53529	-1.60588	SLV FO 9	-0.51141	-1.53422
184	SLV FO 15	-0.60145	-1.80435	SLV FO 1	-0.51884	-1.55651
185	SLV FO 15	-0.60489	-1.81468	SLV FO 1	-0.51891	-1.55674
186	SLV FO 3	-0.58738	-1.76214	SLV FO 13	-0.22788	-0.68363
187	SLV FO 1	-0.2047	-0.61411	SLV FO 15	-0.13139	-0.39417
188	SLV FO 5	-0.25065	-0.75194	SLV FO 11	-0.16638	-0.49914
189	SLV FO 15	-0.60251	-1.80753	SLV FO 1	-0.52007	-1.5602
191	SLV FO 15	-0.60375	-1.81124	SLV FO 1	-0.52132	-1.56395
193	SLV FO 15	-0.60506	-1.81518	SLV FO 1	-0.5223	-1.56689
195	SLV FO 1	-0.58108	-1.74325	SLV FO 15	-0.42215	-1.26646
196	SLV FO 3	-0.57304	-1.71913	SLV FO 13	-0.15405	-0.46214
197	SLV FO 3	-0.2748	-0.8244	SLV FO 13	-0.15991	-0.47972
198	SLV FO 1	-0.32699	-0.98097	SLV FO 15	-0.2128	-0.63839
199	SLV FO 11	-0.60726	-1.82179	SLV FO 5	-0.52194	-1.56583
201	SLV FO 11	-0.61185	-1.83556	SLV FO 5	-0.51868	-1.55605
203	SLV FO 11	-0.61628	-1.84885	SLV FO 5	-0.51512	-1.54535
205	SLV FO 11	-0.59478	-1.78433	SLV FO 5	-0.50286	-1.50857
207	SLV FO 11	-0.62072	-1.86217	SLV FO 5	-0.5113	-1.5339
208	SLV FO 11	-0.62361	-1.87082	SLV FO 5	-0.51224	-1.53672
209	SLV FO 11	-0.64576	-1.93728	SLV FO 5	-0.52019	-1.56057
210	SLV FO 11	-0.66637	-1.9991	SLV FO 5	-0.52888	-1.58665
211	SLV FO 15	-0.68597	-2.05791	SLV FO 1	-0.53814	-1.61441
212	SLV FO 15	-0.70745	-2.12235	SLV FO 1	-0.54515	-1.63544
213	SLV FO 15	-0.72839	-2.18516	SLV FO 1	-0.55239	-1.65716
214	SLV FO 15	-0.74866	-2.24597	SLV FO 1	-0.55961	-1.67884
215	SLV FO 15	-0.76816	-2.30448	SLV FO 1	-0.56667	-1.70002
216	SLV FO 15	-0.78683	-2.36048	SLV FO 1	-0.57348	-1.72044
217	SLV FO 15	-0.80462	-2.41386	SLV FO 1	-0.58	-1.74
218	SLV FO 15	-0.82153	-2.4646	SLV FO 1	-0.58625	-1.75874
219	SLV FO 15	-0.83759	-2.51276	SLV FO 1	-0.59228	-1.77684
220	SLV FO 15	-0.85284	-2.55852	SLV FO 1	-0.59818	-1.79453
221	SLV FO 15	-0.86739	-2.60216	SLV FO 1	-0.60403	-1.8121
222	SLV FO 15	-0.88136	-2.64408	SLV FO 1	-0.60995	-1.82984
223	SLV FO 15	-0.89493	-2.68478	SLV FO 1	-0.61601	-1.84804
224	SLV FO 15	-0.90829	-2.72488	SLV FO 1	-0.6223	-1.86691
225	SLV FO 15	-0.92167	-2.76502	SLV FO 1	-0.62886	-1.88658
226	SLV FO 15	-0.93319	-2.79956	SLV FO 1	-0.63463	-1.9039
227	SLV FO 15	-0.93528	-2.80583	SLV FO 1	-0.63569	-1.90707
228	SLV FO 3	-0.3611	-1.0833	SLV FO 13	-0.164	-0.492
229	SLV FO 1	-0.3921	-1.17629	SLV FO 15	-0.24495	-0.73484
230	SLV FO 1	-0.52823	-1.58469	SLV FO 15	-0.38924	-1.16771
231	SLV FO 3	-0.56844	-1.70532	SLV FO 13	-0.06548	-0.19645
232	SLV FO 3	-0.43862	-1.31586	SLV FO 13	-0.11708	-0.35125
233	SLV FO 3	-0.34072	-1.02215	SLV FO 13	-0.20106	-0.60319
234	SLV FO 1	-0.47016	-1.41049	SLV FO 15	-0.30801	-0.92403
235	SLV FO 3	-0.53027	-1.59081	SLV FO 13	-0.44939	-1.34816
236	SLV FO 11	-0.55004	-1.65013	SLV FO 5	-0.49288	-1.47864
237	SLV FO 11	-0.62389	-1.87166	SLV FO 5	-0.512	-1.53599
238	SLV FO 11	-0.5989	-1.79671	SLV FO 5	-0.49934	-1.49801
240	SLV FO 15	-0.92041	-2.76122	SLV FO 1	-0.63765	-1.91295
242	SLV FO 11	-0.60352	-1.81057	SLV FO 5	-0.49547	-1.4864
244	SLV FO 15	-0.90773	-2.72319	SLV FO 1	-0.64072	-1.92215
246	SLV FO 11	-0.60845	-1.82535	SLV FO 5	-0.49133	-1.47398
248	SLV FO 15	-0.89521	-2.68564	SLV FO 1	-0.64386	-1.93157
250	SLV FO 11	-0.61343	-1.84029	SLV FO 5	-0.48707	-1.46122
252	SLV FO 15	-0.88291	-2.64874	SLV FO 1	-0.64707	-1.94121
254	SLV FO 11	-0.65377	-1.96132	SLV FO 5	-0.52063	-1.5619
255	SLV FO 7	-0.44364	-1.33092	SLV FO 9	-0.12014	-0.36041
256	SLV FO 3	-0.44379	-1.33138	SLV FO 13	-0.21028	-0.63084
257	SLV FO 3	-0.51794	-1.55382	SLV FO 13	-0.36182	-1.08546
258	SLV FO 11	-0.61816	-1.85447	SLV FO 5	-0.48287	-1.4486
260	SLV FO 15	-0.8709	-2.61269	SLV FO 1	-0.65034	-1.95103
262	SLV FO 11	-0.62225	-1.86676	SLV FO 5	-0.47885	-1.43656
264	SLV FO 15	-0.85925	-2.57775	SLV FO 1	-0.65365	-1.96095
266	SLV FO 11	-0.62524	-1.87573	SLV FO 5	-0.47513	-1.4254
268	SLV FO 15	-0.8481	-2.54429	SLV FO 1	-0.65698	-1.97094
270	SLV FO 11	-0.62658	-1.87975	SLV FO 5	-0.47177	-1.4153
272	SLV FO 15	-0.83761	-2.51282	SLV FO 1	-0.66034	-1.98103
273	SLV FO 15	-0.84546	-2.53639	SLV FO 1	-0.66722	-2.00165
274	SLV FO 11	-0.63718	-1.91153	SLV FO 5	-0.49745	-1.49234
275	SLV FO 3	-0.56342	-1.69025	SLV FO 13	-0.33414	-1.00243
277	SLV FO 15	-0.82931	-2.48794	SLV FO 1	-0.66323	-1.9897
278	SLV FO 15	-0.83705	-2.51114	SLV FO 1	-0.67	-2.01001
279	SLV FO 7	-0.57068	-1.71204	SLV FO 9	-0.00926	-0.02777
280	SLV FO 7	-0.53568	-1.60704	SLV FO 9	-0.0698	-0.20939
281	SLV FO 3	-0.54811	-1.64434	SLV FO 13	-0.13448	-0.40343
282	SLV FO 3	-0.56075	-1.68226	SLV FO 13	-0.34388	-1.03164

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
283	SLV FO 7	-0.56835	-1.70505	SLV FO 9	-0.40436	-1.21308
284	SLV FO 11	-0.62577	-1.87731	SLV FO 5	-0.46874	-1.40623
286	SLV FO 11	-0.63124	-1.89372	SLV FO 5	-0.47221	-1.41663
287	SLV FO 15	-0.82136	-2.46407	SLV FO 1	-0.66616	-1.99847
288	SLV FO 15	-0.82896	-2.48688	SLV FO 1	-0.67282	-2.01847
289	SLV FO 11	-0.62358	-1.87074	SLV FO 5	-0.46534	-1.39603
291	SLV FO 15	-0.81923	-2.4577	SLV FO 1	-0.67649	-2.02946
292	SLV FO 11	-0.61949	-1.85846	SLV FO 5	-0.46204	-1.38613
294	SLV FO 11	-0.63257	-1.8977	SLV FO 5	-0.49072	-1.47215
295	SLV FO 15	-0.81037	-2.43112	SLV FO 1	-0.68001	-2.04003
296	SLV FO 11	-0.61376	-1.84129	SLV FO 5	-0.4597	-1.3791
299	SLV FO 7	-0.70511	-2.11532	SLV FO 9	-0.05672	-0.17017
300	SLV FO 7	-0.63773	-1.91319	SLV FO 9	-0.25931	-0.77793
301	SLV FO 15	-0.80225	-2.40674	SLV FO 1	-0.68329	-2.04987
302	SLV FO 11	-0.60845	-1.82534	SLV FO 5	-0.45892	-1.37676
304	SLV FO 7	-0.55525	-1.66574	SLV FO 9	-0.20454	-0.61361
305	SLV FO 1	-0.23106	-0.69319	SLV FO 15	-0.09709	-0.29128
306	SLV FO 11	-0.60281	-1.80844	SLV FO 5	-0.45911	-1.37734
308	SLV FO 15	-0.79475	-2.38425	SLV FO 1	-0.68631	-2.05892
309	SLV FO 7	-0.54306	-1.62918	SLV FO 9	-0.19259	-0.57778
310	SLV FO 7	-0.32928	-0.98783	SLV FO 9	-0.18246	-0.54738
311	SLV FO 1	-0.22229	-0.66687	SLV FO 15	-0.09464	-0.28393
312	SLV FO 7	-0.59881	-1.79642	SLV FO 9	-0.45863	-1.3759
314	SLV FO 15	-0.7878	-2.36341	SLV FO 1	-0.68912	-2.06736
315	SLV FO 7	-0.59728	-1.79184	SLV FO 9	-0.45719	-1.37158
317	SLV FO 7	-0.59582	-1.78746	SLV FO 9	-0.45657	-1.36971
319	SLV FO 7	-0.5975	-1.79251	SLV FO 9	-0.47466	-1.42397
320	SLV FO 7	-0.5977	-1.79311	SLV FO 9	-0.47665	-1.42996
321	SLV FO 7	-0.60055	-1.80166	SLV FO 9	-0.49107	-1.47321
322	SLV FO 11	-0.60748	-1.82243	SLV FO 5	-0.50134	-1.50401
323	SLV FO 11	-0.61628	-1.84883	SLV FO 5	-0.51039	-1.53118
324	SLV FO 11	-0.62637	-1.8791	SLV FO 5	-0.51989	-1.55968
325	SLV FO 11	-0.63714	-1.91141	SLV FO 5	-0.5297	-1.5891
326	SLV FO 11	-0.64826	-1.94478	SLV FO 5	-0.53971	-1.61914
327	SLV FO 11	-0.65947	-1.97842	SLV FO 5	-0.54985	-1.64956
328	SLV FO 11	-0.67058	-2.01174	SLV FO 5	-0.56006	-1.68019
329	SLV FO 15	-0.68342	-2.05026	SLV FO 1	-0.56836	-1.70509
330	SLV FO 15	-0.69609	-2.08828	SLV FO 1	-0.57665	-1.72996
331	SLV FO 15	-0.70656	-2.11969	SLV FO 1	-0.58457	-1.75371
332	SLV FO 15	-0.71638	-2.14913	SLV FO 1	-0.59379	-1.78138
333	SLV FO 15	-0.72778	-2.18334	SLV FO 1	-0.60713	-1.82139
334	SLV FO 15	-0.73924	-2.21771	SLV FO 1	-0.6231	-1.8693
335	SLV FO 15	-0.75113	-2.25338	SLV FO 1	-0.64157	-1.92472
336	SLV FO 15	-0.76089	-2.28268	SLV FO 1	-0.65761	-1.97282
337	SLV FO 11	-0.77128	-2.31385	SLV FO 5	-0.67423	-2.02268
338	SLV FO 11	-0.78357	-2.35072	SLV FO 5	-0.68961	-2.06883
339	SLV FO 7	-0.48406	-1.45218	SLV FO 9	-0.14669	-0.44008
340	SLV FO 7	-0.48405	-1.45215	SLV FO 9	-0.14669	-0.44007
341	SLV FO 7	-0.49957	-1.49872	SLV FO 9	-0.18309	-0.54928
342	SLV FO 7	-0.5653	-1.6959	SLV FO 9	-0.36221	-1.08662
344	SLV FO 7	-0.59591	-1.78774	SLV FO 9	-0.47659	-1.42977
345	SLV FO 7	-0.5952	-1.78559	SLV FO 9	-0.4746	-1.42381
347	SLV FO 11	-0.78156	-2.34467	SLV FO 5	-0.68805	-2.06415
348	SLV FO 11	-0.7009	-2.10271	SLV FO 5	-0.58237	-1.74712
349	SLV FO 1	-0.18004	-0.54012	SLV FO 15	-0.08357	-0.25071
350	SLV FO 7	-0.59296	-1.77888	SLV FO 9	-0.47465	-1.42396
352	SLV FO 11	-0.7801	-2.34029	SLV FO 5	-0.68593	-2.05779
353	SLV FO 11	-0.70961	-2.12884	SLV FO 5	-0.58369	-1.75106
354	SLV FO 7	-0.59142	-1.77425	SLV FO 9	-0.47464	-1.42393
356	SLV FO 11	-0.77899	-2.33696	SLV FO 5	-0.683	-2.049
357	SLV FO 11	-0.71799	-2.15398	SLV FO 5	-0.58436	-1.75307
358	SLV FO 7	-0.59117	-1.77352	SLV FO 9	-0.47436	-1.42309
360	SLV FO 11	-0.77799	-2.33397	SLV FO 5	-0.67907	-2.0372
361	SLV FO 11	-0.72592	-2.17777	SLV FO 5	-0.58417	-1.75251
362	SLV FO 3	-0.59507	-1.78521	SLV FO 13	-0.47124	-1.41373
364	SLV FO 11	-0.77691	-2.33073	SLV FO 5	-0.67395	-2.02186
365	SLV FO 7	-0.36406	-1.09218	SLV FO 9	-0.08495	-0.25484
366	SLV FO 11	-0.73335	-2.20006	SLV FO 5	-0.58295	-1.74885
367	SLV FO 3	-0.15918	-0.47755	SLV FO 13	-0.07233	-0.21698
368	SLV FO 3	-0.60247	-1.8074	SLV FO 13	-0.46602	-1.39805
370	SLV FO 11	-0.77564	-2.32691	SLV FO 5	-0.66745	-2.00235
371	SLV FO 11	-0.74035	-2.22105	SLV FO 5	-0.58051	-1.74153
372	SLV FO 3	-0.61061	-1.83184	SLV FO 13	-0.46135	-1.38406
374	SLV FO 7	-0.77436	-2.32309	SLV FO 9	-0.65907	-1.97722
375	SLV FO 7	-0.74744	-2.24232	SLV FO 9	-0.57632	-1.72895
376	SLV FO 3	-0.61948	-1.85844	SLV FO 13	-0.45708	-1.37125
378	SLV FO 7	-0.77358	-2.32073	SLV FO 9	-0.6481	-1.9443
379	SLV FO 7	-0.75554	-2.26661	SLV FO 9	-0.56954	-1.70863
380	SLV FO 3	-0.62897	-1.88692	SLV FO 13	-0.45302	-1.35907
382	SLV FO 7	-0.7727	-2.3181	SLV FO 9	-0.63494	-1.90482
383	SLV FO 7	-0.76392	-2.29175	SLV FO 9	-0.56112	-1.68336
384	SLV FO 7	-0.17101	-0.51304	SLV FO 9	-0.06	-0.18001
385	SLV FO 11	-0.27881	-0.83643	SLV FO 5	-0.02788	-0.08363
386	SLV FO 7	-0.21505	-0.64516	SLV FO 9	-0.04692	-0.14076
387	SLV FO 3	-0.63899	-1.91696	SLV FO 13	-0.44901	-1.34703
389	SLV FO 7	-0.77032	-2.31096	SLV FO 9	-0.61908	-1.85724
391	SLV FO 7	-0.77135	-2.31406	SLV FO 9	-0.61995	-1.85985
392	SLV FO 7	-0.77129	-2.31387	SLV FO 9	-0.6199	-1.85969
393	SLV FO 7	-0.77358	-2.32074	SLV FO 9	-0.6218	-1.86541
394	SLV FO 7	-0.77557	-2.32672	SLV FO 9	-0.62337	-1.87012
395	SLV FO 7	-0.77719	-2.33158	SLV FO 9	-0.62445	-1.87336
396	SLV FO 7	-0.77845	-2.33534	SLV FO 9	-0.62497	-1.87492
397	SLV FO 7	-0.77941	-2.33822	SLV FO 9	-0.62489	-1.87466
398	SLV FO 7	-0.78019	-2.34058	SLV FO 9	-0.62417	-1.87251
399	SLV FO 7	-0.78097	-2.3429	SLV FO 9	-0.62281	-1.86842
400	SLV FO 7	-0.78186	-2.34557	SLV FO 9	-0.62083	-1.86248
401	SLV FO 11	-0.78292	-2.34877	SLV FO 5	-0.61834	-1.85503
402	SLV FO 11	-0.78416	-2.35249	SLV FO 5	-0.61551	-1.84652
403	SLV FO 11	-0.78555	-2.35665	SLV FO 5	-0.61248	-1.83743
404	SLV FO 11	-0.78703	-2.36108	SLV FO 5	-0.60936	-1.82809

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
405	SLV FO 7	-0.77211	-2.31634	SLV FO 9	-0.55188	-1.65563
406	SLV FO 7	-0.18237	-0.5471	SLV FO 9	-0.0506	-0.1518
407	SLV FO 11	-0.26528	-0.79585	SLV FO 5	-0.01078	-0.03235
408	SLV FO 7	-0.77047	-2.3114	SLV FO 9	-0.6116	-1.83479
409	SLV FO 7	-0.76943	-2.30829	SLV FO 9	-0.61071	-1.83212
411	SLV FO 3	-0.64942	-1.94825	SLV FO 13	-0.44492	-1.33477
413	SLV FO 11	-0.78806	-2.36418	SLV FO 5	-0.5917	-1.7751
414	SLV FO 7	-0.76955	-2.30866	SLV FO 9	-0.60299	-1.80898
415	SLV FO 7	-0.76851	-2.30554	SLV FO 9	-0.6021	-1.80629
417	SLV FO 7	-0.77932	-2.33795	SLV FO 9	-0.5416	-1.62481
419	SLV FO 3	-0.66019	-1.98058	SLV FO 13	-0.4407	-1.32209
421	SLV FO 11	-0.78944	-2.36833	SLV FO 5	-0.57383	-1.72149
422	SLV FO 7	-0.76688	-2.30064	SLV FO 9	-0.58488	-1.75464
424	SLV FO 7	-0.78807	-2.36421	SLV FO 9	-0.53138	-1.59415
426	SLV FO 3	-0.67129	-2.01386	SLV FO 13	-0.43632	-1.30895
428	SLV FO 7	-0.79137	-2.37411	SLV FO 9	-0.55565	-1.66695
429	SLV FO 7	-0.76566	-2.29699	SLV FO 9	-0.56631	-1.69894
431	SLV FO 7	-0.79729	-2.39188	SLV FO 9	-0.52129	-1.56386
433	SLV FO 3	-0.68269	-2.04806	SLV FO 13	-0.43181	-1.29543
435	SLV FO 7	-0.79388	-2.38164	SLV FO 9	-0.53714	-1.61141
436	SLV FO 7	-0.76506	-2.29519	SLV FO 9	-0.54668	-1.64003
438	SLV FO 7	-0.80518	-2.41553	SLV FO 9	-0.51326	-1.53977
440	SLV FO 7	-0.79686	-2.39059	SLV FO 9	-0.51836	-1.55508
441	SLV FO 3	-0.69439	-2.08318	SLV FO 13	-0.42723	-1.28168
443	SLV FO 7	-0.76507	-2.2952	SLV FO 9	-0.52781	-1.58342
445	SLV FO 7	-0.81337	-2.44011	SLV FO 9	-0.50536	-1.51609
447	SLV FO 7	-0.80014	-2.40042	SLV FO 9	-0.4994	-1.4982
448	SLV FO 3	-0.7064	-2.1192	SLV FO 13	-0.42262	-1.26787
450	SLV FO 7	-0.76555	-2.29665	SLV FO 9	-0.50834	-1.52502
452	SLV FO 7	-0.82178	-2.46534	SLV FO 9	-0.49758	-1.49273
454	SLV FO 7	-0.80353	-2.4106	SLV FO 9	-0.4803	-1.4409
455	SLV FO 7	-0.7664	-2.2992	SLV FO 9	-0.48845	-1.46536
457	SLV FO 7	-0.7212	-2.1636	SLV FO 9	-0.41551	-1.24654
459	SLV FO 7	-0.83032	-2.49097	SLV FO 9	-0.48987	-1.46961
479	SLV FO 7	-0.76742	-2.30227	SLV FO 9	-0.46834	-1.40502
493	SLV FO 7	-0.80687	-2.42062	SLV FO 9	-0.46107	-1.38322
503	SLV FO 7	-0.81266	-2.43798	SLV FO 9	-0.44304	-1.32911
520	SLV FO 11	-0.7834	-2.3502	SLV FO 5	-0.44012	-1.32036
549	SLV FO 7	-0.73577	-2.20731	SLV FO 9	-0.40836	-1.22509
550	SLV FO 3	-0.72744	-2.18231	SLV FO 13	-0.42633	-1.27899
551	SLV FO 3	-0.72134	-2.16403	SLV FO 13	-0.43329	-1.29986
552	SLV FO 3	-0.71712	-2.15135	SLV FO 13	-0.43926	-1.31778
553	SLV FO 3	-0.71379	-2.14137	SLV FO 13	-0.4456	-1.3368
554	SLV FO 7	-0.7157	-2.1471	SLV FO 9	-0.44947	-1.3484
555	SLV FO 7	-0.72105	-2.16316	SLV FO 9	-0.45194	-1.35581
556	SLV FO 7	-0.72657	-2.17971	SLV FO 9	-0.45447	-1.3634
557	SLV FO 7	-0.73241	-2.19722	SLV FO 9	-0.45703	-1.37109
558	SLV FO 7	-0.73815	-2.21444	SLV FO 9	-0.45941	-1.37822
559	SLV FO 7	-0.74344	-2.23032	SLV FO 9	-0.46146	-1.38437
560	SLV FO 7	-0.83726	-2.51178	SLV FO 9	-0.48368	-1.45105
561	SLV FO 7	-0.74817	-2.2445	SLV FO 9	-0.46322	-1.38966
562	SLV FO 7	-0.75228	-2.25683	SLV FO 9	-0.46462	-1.39385
563	SLV FO 7	-0.75585	-2.26754	SLV FO 9	-0.46566	-1.39699
564	SLV FO 7	-0.75902	-2.27706	SLV FO 9	-0.4664	-1.39919
565	SLV FO 7	-0.76193	-2.2858	SLV FO 9	-0.46685	-1.40056
566	SLV FO 7	-0.76476	-2.29427	SLV FO 9	-0.46704	-1.40113
567	SLV FO 7	-0.76765	-2.30296	SLV FO 9	-0.46699	-1.40097
568	SLV FO 7	-0.77039	-2.31118	SLV FO 9	-0.46686	-1.40059
569	SLV FO 7	-0.77334	-2.32002	SLV FO 9	-0.46662	-1.39986
570	SLV FO 7	-0.77651	-2.32953	SLV FO 9	-0.46634	-1.39902
571	SLV FO 7	-0.77988	-2.33964	SLV FO 9	-0.46607	-1.39822
572	SLV FO 7	-0.7834	-2.35019	SLV FO 9	-0.46584	-1.39752
573	SLV FO 7	-0.78697	-2.3609	SLV FO 9	-0.46562	-1.39685
574	SLV FO 7	-0.7905	-2.37149	SLV FO 9	-0.46537	-1.39611
575	SLV FO 7	-0.79388	-2.38165	SLV FO 9	-0.46504	-1.39511
576	SLV FO 7	-0.79706	-2.39118	SLV FO 9	-0.46456	-1.39367
577	SLV FO 7	-0.79998	-2.39993	SLV FO 9	-0.46386	-1.39158
578	SLV FO 7	-0.80261	-2.40784	SLV FO 9	-0.46288	-1.38864
579	SLV FO 7	-0.80497	-2.41491	SLV FO 9	-0.46155	-1.38466
580	SLV FO 7	-0.80708	-2.42124	SLV FO 9	-0.45985	-1.37954
581	SLV FO 7	-0.80906	-2.42718	SLV FO 9	-0.45799	-1.37398
582	SLV FO 7	-0.81081	-2.43244	SLV FO 9	-0.45584	-1.36753
583	SLV FO 7	-0.81231	-2.43692	SLV FO 9	-0.45351	-1.36053
584	SLV FO 7	-0.81352	-2.44057	SLV FO 9	-0.45112	-1.35335
585	SLV FO 7	-0.81443	-2.4433	SLV FO 9	-0.4488	-1.34641
586	SLV FO 7	-0.81501	-2.44503	SLV FO 9	-0.44669	-1.34008
587	SLV FO 7	-0.81521	-2.44563	SLV FO 9	-0.4449	-1.3347
588	SLV FO 7	-0.81499	-2.44496	SLV FO 9	-0.44353	-1.33058
589	SLV FO 7	-0.81429	-2.44286	SLV FO 9	-0.44265	-1.32796
590	SLV FO 7	-0.81311	-2.43932	SLV FO 9	-0.44229	-1.32688
591	SLV FO 7	-0.81169	-2.43508	SLV FO 9	-0.44213	-1.3264
592	SLV FO 7	-0.80983	-2.42949	SLV FO 9	-0.44247	-1.32742
593	SLV FO 7	-0.8076	-2.4228	SLV FO 9	-0.44325	-1.32974
594	SLV FO 7	-0.80513	-2.4154	SLV FO 9	-0.44432	-1.33295
595	SLV FO 11	-0.80255	-2.40766	SLV FO 5	-0.44555	-1.33666
596	SLV FO 11	-0.79997	-2.3999	SLV FO 5	-0.44681	-1.34044
597	SLV FO 11	-0.79747	-2.3924	SLV FO 5	-0.44798	-1.34394
598	SLV FO 11	-0.79513	-2.38538	SLV FO 5	-0.44894	-1.34681
599	SLV FO 11	-0.793	-2.379	SLV FO 5	-0.4496	-1.34879
600	SLV FO 11	-0.79113	-2.37338	SLV FO 5	-0.44988	-1.34964
601	SLV FO 11	-0.78952	-2.36857	SLV FO 5	-0.44973	-1.3492
602	SLV FO 11	-0.78819	-2.36457	SLV FO 5	-0.44912	-1.34735
603	SLV FO 11	-0.78711	-2.36133	SLV FO 5	-0.44801	-1.34404
604	SLV FO 11	-0.78625	-2.35875	SLV FO 5	-0.44642	-1.33925
605	SLV FO 11	-0.78556	-2.35669	SLV FO 5	-0.44434	-1.33301
606	SLV FO 11	-0.78499	-2.35497	SLV FO 5	-0.44179	-1.32537
607	SLV FO 11	-0.78445	-2.35336	SLV FO 5	-0.43884	-1.31653
608	SLV FO 11	-0.78392	-2.35175	SLV FO 5	-0.43566	-1.30699
609	SLV FO 11	-0.78339	-2.35017	SLV FO 5	-0.43221	-1.29663
610	SLV FO 11	-0.78292	-2.34875	SLV FO 5	-0.42857	-1.2857

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
611	SLV FO 11	-0.78254	-2.34761	SLV FO 5	-0.42484	-1.27451
612	SLV FO 11	-0.78228	-2.34685	SLV FO 5	-0.42112	-1.26335
613	SLV FO 11	-0.78218	-2.34653	SLV FO 5	-0.41749	-1.25246
614	SLV FO 11	-0.78224	-2.34672	SLV FO 5	-0.41401	-1.24204
615	SLV FO 11	-0.78249	-2.34747	SLV FO 5	-0.41074	-1.23221
616	SLV FO 11	-0.78293	-2.34879	SLV FO 5	-0.40769	-1.22306
617	SLV FO 11	-0.78357	-2.35072	SLV FO 5	-0.40487	-1.2146
618	SLV FO 11	-0.78442	-2.35326	SLV FO 5	-0.40227	-1.20682
619	SLV FO 11	-0.78547	-2.35641	SLV FO 5	-0.39989	-1.19967
620	SLV FO 11	-0.78671	-2.36012	SLV FO 5	-0.39769	-1.19307
621	SLV FO 11	-0.78812	-2.36435	SLV FO 5	-0.39564	-1.18692
622	SLV FO 11	-0.78968	-2.36903	SLV FO 5	-0.39371	-1.18112
623	SLV FO 11	-0.79135	-2.37405	SLV FO 5	-0.39186	-1.17557
624	SLV FO 11	-0.7931	-2.37929	SLV FO 5	-0.39005	-1.17015
625	SLV FO 11	-0.79486	-2.38459	SLV FO 5	-0.38826	-1.16478
626	SLV FO 11	-0.7966	-2.3898	SLV FO 5	-0.38645	-1.15936
627	SLV FO 11	-0.79824	-2.39473	SLV FO 5	-0.3846	-1.15381
628	SLV FO 11	-0.79973	-2.3992	SLV FO 5	-0.38269	-1.14807
629	SLV FO 11	-0.80101	-2.40302	SLV FO 5	-0.38069	-1.14208
630	SLV FO 11	-0.80201	-2.40604	SLV FO 5	-0.37859	-1.13578
631	SLV FO 11	-0.80272	-2.40817	SLV FO 5	-0.37639	-1.12916
632	SLV FO 11	-0.80312	-2.40936	SLV FO 5	-0.37406	-1.12219
633	SLV FO 11	-0.80323	-2.40969	SLV FO 5	-0.37163	-1.11489
634	SLV FO 11	-0.80296	-2.40889	SLV FO 5	-0.36702	-1.10106
637	SLV FO 7	-0.82001	-2.46003	SLV FO 9	-0.43122	-1.29367
638	SLV FO 11	-0.80041	-2.40123	SLV FO 5	-0.41983	-1.25948
641	SLV FO 7	-0.82772	-2.48315	SLV FO 9	-0.41949	-1.25848
642	SLV FO 11	-0.8177	-2.45309	SLV FO 5	-0.39969	-1.19907
643	SLV FO 7	-0.83569	-2.50708	SLV FO 9	-0.4079	-1.22369
644	SLV FO 11	-0.83509	-2.50528	SLV FO 5	-0.37979	-1.13938
645	SLV FO 7	-0.84388	-2.53163	SLV FO 9	-0.39643	-1.18928
646	SLV FO 11	-0.85242	-2.55725	SLV FO 5	-0.36022	-1.08066
647	SLV FO 7	-0.85221	-2.55664	SLV FO 9	-0.38505	-1.15516
648	SLV FO 11	-0.86951	-2.60853	SLV FO 5	-0.34105	-1.02315
649	SLV FO 7	-0.86068	-2.58203	SLV FO 9	-0.37372	-1.12115
650	SLV FO 11	-0.88625	-2.65876	SLV FO 5	-0.32234	-0.96703
651	SLV FO 7	-0.86925	-2.60776	SLV FO 9	-0.36235	-1.08706
652	SLV FO 11	-0.90259	-2.70776	SLV FO 5	-0.30412	-0.91235
653	SLV FO 7	-0.87795	-2.63384	SLV FO 9	-0.35091	-1.05274
654	SLV FO 11	-0.91853	-2.7556	SLV FO 5	-0.28633	-0.85898
655	SLV FO 7	-0.88673	-2.6602	SLV FO 9	-0.3394	-1.01821
656	SLV FO 7	-0.89133	-2.674	SLV FO 9	-0.33724	-1.01172
657	SLV FO 7	-0.89593	-2.68778	SLV FO 9	-0.33515	-1.00544
658	SLV FO 7	-0.90104	-2.70313	SLV FO 9	-0.333	-0.99901
659	SLV FO 7	-0.90597	-2.7179	SLV FO 9	-0.3312	-0.99361
660	SLV FO 7	-0.9105	-2.7315	SLV FO 9	-0.3298	-0.98939
661	SLV FO 7	-0.91472	-2.74415	SLV FO 9	-0.3287	-0.98609
662	SLV FO 7	-0.91796	-2.75387	SLV FO 9	-0.32791	-0.98374
663	SLV FO 7	-0.92014	-2.76041	SLV FO 9	-0.32723	-0.9817
664	SLV FO 11	-0.92133	-2.76398	SLV FO 5	-0.32636	-0.97908
665	SLV FO 11	-0.92172	-2.76517	SLV FO 5	-0.32499	-0.97497
666	SLV FO 11	-0.9216	-2.7648	SLV FO 5	-0.32283	-0.96849
667	SLV FO 11	-0.9213	-2.7639	SLV FO 5	-0.31964	-0.95892
668	SLV FO 11	-0.92118	-2.76353	SLV FO 5	-0.31527	-0.9458
669	SLV FO 11	-0.92165	-2.76495	SLV FO 5	-0.30902	-0.92707
670	SLV FO 11	-0.92307	-2.76922	SLV FO 5	-0.30134	-0.90403
671	SLV FO 11	-0.92583	-2.7775	SLV FO 5	-0.29149	-0.87448
672	SLV FO 11	-0.9297	-2.78909	SLV FO 5	-0.28047	-0.84141
673	SLV FO 11	-0.93424	-2.80273	SLV FO 5	-0.26881	-0.80643
4748	SLV FO 13	-1.54121	-4.62363	SLV FO 3	-0.26677	-0.80032
4749	SLV FO 13	-1.1526	-3.4578	SLV FO 3	-0.65508	-1.96525
4750	SLV FO 13	-1.2302	-3.6906	SLV FO 3	-0.57769	-1.73308
4751	SLV FO 13	-1.30786	-3.92357	SLV FO 3	-0.50019	-1.50058
4752	SLV FO 13	-1.38541	-4.15624	SLV FO 3	-0.4226	-1.26779
4753	SLV FO 13	-1.46276	-4.38829	SLV FO 3	-0.34493	-1.03478
4754	SLV FO 13	-1.53993	-4.61978	SLV FO 3	-0.26722	-0.80165
4756	SLV FO 13	-1.50368	-4.51104	SLV FO 3	-0.27976	-0.83928
4757	SLV FO 13	-1.46724	-4.40172	SLV FO 3	-0.29285	-0.87856
4758	SLV FO 13	-1.43286	-4.29858	SLV FO 3	-0.30619	-0.91856
4759	SLV FO 13	-1.40129	-4.20387	SLV FO 3	-0.31992	-0.95977
4760	SLV FO 13	-1.37294	-4.11883	SLV FO 3	-0.33425	-1.00274
4761	SLV FO 13	-1.34792	-4.04375	SLV FO 3	-0.34932	-1.04797
4762	SLV FO 13	-1.3261	-3.97829	SLV FO 3	-0.36527	-1.09582
4763	SLV FO 13	-1.3073	-3.92189	SLV FO 3	-0.38213	-1.1464
4764	SLV FO 13	-1.29134	-3.87403	SLV FO 3	-0.39981	-1.19943
4765	SLV FO 13	-1.27808	-3.83423	SLV FO 3	-0.41808	-1.25424
4766	SLV FO 13	-1.26728	-3.80184	SLV FO 3	-0.4366	-1.3098
4767	SLV FO 13	-1.25858	-3.77574	SLV FO 3	-0.45494	-1.36483
4768	SLV FO 13	-1.25144	-3.75433	SLV FO 3	-0.47262	-1.41787
4769	SLV FO 13	-1.24525	-3.73574	SLV FO 3	-0.48915	-1.46744
4770	SLV FO 13	-1.23945	-3.71834	SLV FO 3	-0.50406	-1.51219
4771	SLV FO 13	-1.23375	-3.70124	SLV FO 3	-0.51706	-1.55118
4772	SLV FO 13	-1.22814	-3.68441	SLV FO 3	-0.52802	-1.58405
4773	SLV FO 13	-1.22275	-3.66825	SLV FO 3	-0.53695	-1.61086
4774	SLV FO 13	-1.21766	-3.65298	SLV FO 3	-0.54397	-1.63192
4775	SLV FO 13	-1.21277	-3.63831	SLV FO 3	-0.54919	-1.64756
4776	SLV FO 13	-1.20786	-3.62357	SLV FO 3	-0.5527	-1.6581
4777	SLV FO 13	-1.20272	-3.60815	SLV FO 3	-0.55465	-1.66395
4778	SLV FO 13	-1.19734	-3.59203	SLV FO 3	-0.55529	-1.66588
4779	SLV FO 13	-1.19196	-3.57588	SLV FO 3	-0.55505	-1.66514
4780	SLV FO 13	-1.1869	-3.56069	SLV FO 3	-0.55447	-1.6634
4781	SLV FO 13	-1.18242	-3.54726	SLV FO 3	-0.55419	-1.66257
4782	SLV FO 13	-1.17864	-3.53591	SLV FO 3	-0.55484	-1.66453
4783	SLV FO 13	-1.1755	-3.52651	SLV FO 3	-0.55696	-1.67088
4784	SLV FO 13	-1.17293	-3.51879	SLV FO 3	-0.56093	-1.68279
4785	SLV FO 13	-1.17086	-3.51258	SLV FO 3	-0.56691	-1.70074
4786	SLV FO 13	-1.16931	-3.50792	SLV FO 3	-0.57484	-1.72452
4787	SLV FO 13	-1.16829	-3.50486	SLV FO 3	-0.58444	-1.75333
4788	SLV FO 13	-1.16773	-3.50318	SLV FO 3	-0.59529	-1.78586
4789	SLV FO 15	-1.16745	-3.50236	SLV FO 1	-0.60679	-1.82036

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
4790	SLV FO 15	-1.16728	-3.50185	SLV FO 1	-0.61822	-1.85465
4791	SLV FO 15	-1.16715	-3.50145	SLV FO 1	-0.62875	-1.88624
4792	SLV FO 15	-1.16707	-3.50121	SLV FO 1	-0.63774	-1.91322
4793	SLV FO 15	-1.16692	-3.50076	SLV FO 1	-0.6451	-1.9353
4794	SLV FO 15	-1.16654	-3.49963	SLV FO 1	-0.65107	-1.95321
4795	SLV FO 15	-1.16586	-3.49759	SLV FO 1	-0.65584	-1.96753
4796	SLV FO 15	-1.16481	-3.49442	SLV FO 1	-0.65943	-1.97828
4797	SLV FO 15	-1.16318	-3.48954	SLV FO 1	-0.6617	-1.98511
4798	SLV FO 15	-1.16066	-3.48197	SLV FO 1	-0.66261	-1.98783
4799	SLV FO 15	-1.1569	-3.47069	SLV FO 1	-0.66224	-1.98672
4800	SLV FO 15	-1.15173	-3.45519	SLV FO 1	-0.66091	-1.98274
4801	SLV FO 15	-1.1452	-3.4356	SLV FO 1	-0.65906	-1.97719
4802	SLV FO 15	-1.13753	-3.41259	SLV FO 1	-0.65709	-1.97127
4803	SLV FO 15	-1.12899	-3.38698	SLV FO 1	-0.65527	-1.96581
4804	SLV FO 15	-1.11982	-3.35946	SLV FO 1	-0.65372	-1.96115
4805	SLV FO 15	-1.11018	-3.33055	SLV FO 1	-0.65243	-1.9573
4807	SLV FO 15	-1.10027	-3.30082	SLV FO 1	-0.65132	-1.95395
4808	SLV FO 15	-0.90695	-2.72085	SLV FO 1	-0.78298	-2.34894
4809	SLV FO 13	-0.88207	-2.64622	SLV FO 3	-0.80762	-2.42286
4810	SLV FO 9	-0.86995	-2.60984	SLV FO 7	-0.81942	-2.45827
4811	SLV FO 5	-0.88772	-2.66317	SLV FO 11	-0.80106	-2.40318
4812	SLV FO 5	-0.91161	-2.73483	SLV FO 11	-0.77606	-2.32818
4813	SLV FO 5	-0.93588	-2.80763	SLV FO 11	-0.74977	-2.24932
4814	SLV FO 5	-0.95942	-2.87827	SLV FO 11	-0.72282	-2.16847
4815	SLV FO 5	-0.98152	-2.94455	SLV FO 11	-0.69547	-2.08642
4816	SLV FO 5	-1.00158	-3.00474	SLV FO 11	-0.66808	-2.00424
4817	SLV FO 1	-1.02111	-3.06333	SLV FO 15	-0.63928	-1.91784
4818	SLV FO 1	-1.03701	-3.11104	SLV FO 15	-0.61262	-1.83786
4819	SLV FO 1	-1.04876	-3.14627	SLV FO 15	-0.58914	-1.76742
4820	SLV FO 5	-1.05837	-3.17512	SLV FO 11	-0.56714	-1.70141
4821	SLV FO 5	-1.06674	-3.20021	SLV FO 11	-0.54581	-1.63742
4822	SLV FO 5	-1.07268	-3.21804	SLV FO 11	-0.52627	-1.5788
4823	SLV FO 5	-1.07629	-3.22886	SLV FO 11	-0.50848	-1.52545
4824	SLV FO 5	-1.07786	-3.23357	SLV FO 11	-0.49249	-1.47747
4825	SLV FO 5	-1.07787	-3.23361	SLV FO 11	-0.47843	-1.4353
4826	SLV FO 5	-1.07682	-3.23046	SLV FO 11	-0.46656	-1.39968
4827	SLV FO 5	-1.07509	-3.22526	SLV FO 11	-0.45713	-1.37138
4828	SLV FO 5	-1.07292	-3.21876	SLV FO 11	-0.45032	-1.35096
4829	SLV FO 5	-1.07047	-3.21142	SLV FO 11	-0.44621	-1.33862
4830	SLV FO 5	-1.06787	-3.20362	SLV FO 11	-0.4447	-1.33409
4831	SLV FO 5	-1.06528	-3.19584	SLV FO 11	-0.44556	-1.33667
4832	SLV FO 5	-1.06289	-3.18868	SLV FO 11	-0.44844	-1.34531
4833	SLV FO 5	-1.06087	-3.1826	SLV FO 11	-0.45293	-1.35879
4834	SLV FO 5	-1.05925	-3.17774	SLV FO 11	-0.4586	-1.3758
4835	SLV FO 5	-1.05795	-3.17384	SLV FO 11	-0.46498	-1.39495
4836	SLV FO 5	-1.05677	-3.1703	SLV FO 11	-0.47159	-1.41478
4837	SLV FO 5	-1.0555	-3.16649	SLV FO 11	-0.47794	-1.43382
4838	SLV FO 5	-1.05401	-3.16202	SLV FO 11	-0.48361	-1.45083
4839	SLV FO 5	-1.05234	-3.15701	SLV FO 11	-0.48834	-1.46501
4840	SLV FO 5	-1.05066	-3.15197	SLV FO 11	-0.492	-1.47601
4841	SLV FO 5	-1.04918	-3.14755	SLV FO 11	-0.49456	-1.48367
4842	SLV FO 5	-1.04809	-3.14426	SLV FO 11	-0.49587	-1.48761
4843	SLV FO 5	-1.04753	-3.1426	SLV FO 11	-0.49568	-1.48703
4844	SLV FO 9	-1.04766	-3.14299	SLV FO 7	-0.49367	-1.48102
4845	SLV FO 9	-1.04846	-3.14538	SLV FO 7	-0.48984	-1.46952
4846	SLV FO 9	-1.04978	-3.14933	SLV FO 7	-0.48462	-1.45385
4847	SLV FO 9	-1.05159	-3.15478	SLV FO 7	-0.47862	-1.43587
4848	SLV FO 9	-1.05407	-3.16221	SLV FO 7	-0.47244	-1.41731
4849	SLV FO 9	-1.05745	-3.17234	SLV FO 7	-0.46653	-1.39958
4850	SLV FO 9	-1.06188	-3.18565	SLV FO 7	-0.46129	-1.38386
4851	SLV FO 9	-1.0674	-3.2022	SLV FO 7	-0.45706	-1.37119
4852	SLV FO 9	-1.07392	-3.22175	SLV FO 7	-0.45413	-1.36238
4853	SLV FO 9	-1.08136	-3.24409	SLV FO 7	-0.45263	-1.35788
4854	SLV FO 9	-1.08977	-3.2693	SLV FO 7	-0.45251	-1.35754
4855	SLV FO 9	-1.09925	-3.29776	SLV FO 7	-0.45352	-1.36057
4856	SLV FO 9	-1.10997	-3.3299	SLV FO 7	-0.45522	-1.36566
4857	SLV FO 9	-1.12197	-3.36592	SLV FO 7	-0.45705	-1.37114
4858	SLV FO 9	-1.13519	-3.40556	SLV FO 7	-0.45842	-1.37525
4859	SLV FO 9	-1.14939	-3.44818	SLV FO 7	-0.45878	-1.37634
4860	SLV FO 9	-1.16436	-3.49307	SLV FO 7	-0.45767	-1.37301
4861	SLV FO 9	-1.18001	-3.54002	SLV FO 7	-0.45473	-1.36418
4862	SLV FO 9	-1.19651	-3.58953	SLV FO 7	-0.44965	-1.34896
4863	SLV FO 9	-1.21418	-3.64255	SLV FO 7	-0.44218	-1.32654
4864	SLV FO 9	-1.23331	-3.69993	SLV FO 7	-0.43202	-1.29605
4865	SLV FO 9	-1.25402	-3.76207	SLV FO 7	-0.41888	-1.25663
4866	SLV FO 9	-1.27631	-3.82892	SLV FO 7	-0.40254	-1.20762
4867	SLV FO 9	-1.30016	-3.90047	SLV FO 7	-0.38291	-1.14873
4868	SLV FO 9	-1.32567	-3.97702	SLV FO 7	-0.36007	-1.08021
4869	SLV FO 9	-1.3531	-4.05929	SLV FO 7	-0.33425	-1.00275
4870	SLV FO 9	-1.38264	-4.14791	SLV FO 7	-0.30578	-0.91735
4871	SLV FO 9	-1.41434	-4.24303	SLV FO 7	-0.27507	-0.8252
4872	SLV FO 9	-1.44798	-4.34393	SLV FO 7	-0.24255	-0.72765
4873	SLV FO 9	-1.48302	-4.44905	SLV FO 7	-0.20877	-0.6263
4874	SLV FO 9	-1.51878	-4.55635	SLV FO 7	-0.17431	-0.52293
4875	SLV FO 9	-1.46522	-4.39567	SLV FO 7	-0.21497	-0.64492
4876	SLV FO 9	-1.41162	-4.23487	SLV FO 7	-0.2559	-0.7677
4877	SLV FO 9	-1.35805	-4.07416	SLV FO 7	-0.29723	-0.8917
4878	SLV FO 9	-1.30463	-3.91388	SLV FO 7	-0.33897	-1.01691
4879	SLV FO 9	-1.25141	-3.75423	SLV FO 7	-0.38099	-1.14298
4880	SLV FO 13	-1.20562	-3.61686	SLV FO 3	-0.41587	-1.2476
4881	SLV FO 13	-1.1751	-3.52531	SLV FO 3	-0.43546	-1.30637
4882	SLV FO 13	-1.14554	-3.43661	SLV FO 3	-0.45386	-1.36158
4883	SLV FO 13	-1.11701	-3.35102	SLV FO 3	-0.4709	-1.41269
4884	SLV FO 13	-1.08962	-3.26887	SLV FO 3	-0.4865	-1.45949
4885	SLV FO 13	-1.03014	-3.09042	SLV FO 3	-0.45771	-1.37313
4886	SLV FO 9	-0.9741	-2.92231	SLV FO 7	-0.42594	-1.27782
4887	SLV FO 9	-0.96961	-2.90883	SLV FO 7	-0.3435	-1.03049
4888	SLV FO 9	-0.96729	-2.90188	SLV FO 7	-0.25994	-0.77982
4889	SLV FO 9	-0.96735	-2.90206	SLV FO 7	-0.17504	-0.52511
4890	SLV FO 9	-0.96994	-2.90983	SLV FO 7	-0.0884	-0.26521

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
4891	SLV FO 9	-0.97513	-2.9254	SLV FO 7	0.00039	0.00117
4892	SLV FO 13	-1.06256	-3.18769	SLV FO 3	-0.50144	-1.50431
4893	SLV FO 9	-0.91514	-2.74541	SLV FO 7	-0.05903	-0.17708
4894	SLV FO 13	-1.03707	-3.11121	SLV FO 3	-0.51433	-1.54299
4895	SLV FO 9	-0.85499	-2.56496	SLV FO 7	-0.11847	-0.35541
4896	SLV FO 15	-1.01874	-3.05621	SLV FO 1	-0.51946	-1.55839
4897	SLV FO 9	-0.79459	-2.38377	SLV FO 7	-0.17791	-0.53374
4898	SLV FO 15	-1.01611	-3.04833	SLV FO 1	-0.50837	-1.52512
4899	SLV FO 9	-0.73396	-2.20187	SLV FO 7	-0.23732	-0.71196
4900	SLV FO 15	-1.0153	-3.04589	SLV FO 1	-0.49512	-1.48535
4901	SLV FO 9	-0.67313	-2.01939	SLV FO 7	-0.29663	-0.8899
4902	SLV FO 15	-1.0143	-3.04289	SLV FO 1	-0.48184	-1.44551
4903	SLV FO 9	-0.61223	-1.83668	SLV FO 7	-0.35577	-1.0673
4904	SLV FO 15	-1.01267	-3.03802	SLV FO 1	-0.46903	-1.4071
4905	SLV FO 9	-0.55157	-1.6547	SLV FO 7	-0.41444	-1.24332
4906	SLV FO 15	-1.01014	-3.03041	SLV FO 1	-0.457	-1.37101
4907	SLV FO 13	-0.49469	-1.48408	SLV FO 3	-0.46916	-1.40748
4908	SLV FO 15	-1.00655	-3.01966	SLV FO 1	-0.44595	-1.33785
4909	SLV FO 11	-0.53509	-1.60527	SLV FO 5	-0.4265	-1.27949
4910	SLV FO 11	-1.02007	-3.06022	SLV FO 5	-0.41788	-1.25364
4911	SLV FO 11	-0.59343	-1.7803	SLV FO 5	-0.36584	-1.09752
4912	SLV FO 11	-1.03363	-3.1009	SLV FO 5	-0.39013	-1.17039
4913	SLV FO 7	-0.65205	-1.95615	SLV FO 9	-0.30492	-0.91475
4914	SLV FO 11	-1.04531	-3.13594	SLV FO 5	-0.36487	-1.0946
4915	SLV FO 7	-0.71065	-2.13196	SLV FO 9	-0.24407	-0.73221
4916	SLV FO 11	-1.05567	-3.16702	SLV FO 5	-0.34166	-1.02499
4917	SLV FO 7	-0.76917	-2.3075	SLV FO 9	-0.18342	-0.55026
4918	SLV FO 11	-1.06528	-3.19584	SLV FO 5	-0.31989	-0.95966
4919	SLV FO 7	-0.82756	-2.48267	SLV FO 9	-0.12302	-0.36906
4920	SLV FO 11	-1.07462	-3.22386	SLV FO 5	-0.29879	-0.89637
4921	SLV FO 7	-0.88582	-2.65746	SLV FO 9	-0.06288	-0.18864
4924	SLV FO 11	-0.99891	-2.99673	SLV FO 5	-0.38044	-1.14132
4925	SLV FO 11	-0.98051	-2.94152	SLV FO 5	-0.33635	-1.00904
4926	SLV FO 11	-0.9642	-2.89261	SLV FO 5	-0.29025	-0.87076
4930	SLV FO 11	-0.95231	-2.85694	SLV FO 5	-0.24093	-0.7228
4931	SLV FO 11	-0.94279	-2.82837	SLV FO 5	-0.18855	-0.56566
4932	SLV FO 11	-0.93864	-2.81592	SLV FO 5	-0.13105	-0.39316
4933	SLV FO 11	-0.93962	-2.81886	SLV FO 5	-0.06863	-0.20589
4934	SLV FO 7	-0.944	-2.832	SLV FO 9	-0.00293	-0.0088
6403	SLV FO 13	-1.40975	-4.22925	SLV FO 3	-0.35251	-1.05752
6409	SLV FO 13	-0.96554	-2.89663	SLV FO 3	-0.59952	-1.79855
6410	SLV FO 13	-1.14723	-3.44169	SLV FO 3	-0.47572	-1.42716
6411	SLV FO 5	-0.85692	-2.57077	SLV FO 11	-0.68272	-2.04816
6515	SLV FO 13	-1.25885	-3.77656	SLV FO 3	-0.53288	-1.59864
6520	SLV FO 13	-0.77345	-2.32036	SLV FO 3	-0.60415	-1.81246
6521	SLV FO 13	-0.91238	-2.73713	SLV FO 3	-0.56805	-1.70416
6522	SLV FO 13	-1.04754	-3.14263	SLV FO 3	-0.54865	-1.64594
6525	SLV FO 9	-0.67517	-2.0255	SLV FO 7	-0.64612	-1.93836
6774	SLV FO 5	-1.14422	-3.43265	SLV FO 11	-0.42772	-1.28317
6777	SLV FO 9	-1.16096	-3.48289	SLV FO 7	-0.42381	-1.27143
6871	SLV FO 5	-1.00042	-3.00127	SLV FO 11	-0.46692	-1.40075
6872	SLV FO 9	-1.01614	-3.04842	SLV FO 7	-0.45442	-1.36325
6899	SLV FO 5	-0.90664	-2.71991	SLV FO 11	-0.50053	-1.50159
6900	SLV FO 9	-0.91809	-2.75428	SLV FO 7	-0.48229	-1.44686
6971	SLV FO 5	-0.80179	-2.40538	SLV FO 11	-0.54561	-1.63682
6972	SLV FO 9	-0.80469	-2.41408	SLV FO 7	-0.52222	-1.56666
6995	SLV FO 5	-0.73169	-2.19508	SLV FO 11	-0.57903	-1.73708
6996	SLV FO 9	-0.72485	-2.17456	SLV FO 7	-0.55432	-1.66295
7032	SLV FO 15	-0.87618	-2.62855	SLV FO 1	-0.59822	-1.79466
7033	SLV FO 3	-0.8698	-2.6094	SLV FO 13	-0.66414	-1.99242
7034	SLV FO 1	-0.67427	-2.02281	SLV FO 15	-0.62872	-1.88616
7035	SLV FO 13	-0.65911	-1.97733	SLV FO 3	-0.60186	-1.80558
7039	SLV FO 3	-0.81499	-2.44496	SLV FO 13	-0.66197	-1.9859
7040	SLV FO 3	-0.72915	-2.18745	SLV FO 13	-0.63566	-1.90697
7041	SLV FO 5	-0.66331	-1.98994	SLV FO 11	-0.64182	-1.92545
7042	SLV FO 5	-0.68961	-2.06884	SLV FO 11	-0.66134	-1.98401
7043	SLV FO 9	-0.697	-2.09099	SLV FO 7	-0.66533	-1.99599
7044	SLV FO 9	-0.68659	-2.05977	SLV FO 7	-0.65494	-1.96483
7045	SLV FO 9	-0.65467	-1.96402	SLV FO 7	-0.62756	-1.88268
7046	SLV FO 15	-0.69659	-2.08977	SLV FO 1	-0.60262	-1.80785
7047	SLV FO 15	-0.75608	-2.26824	SLV FO 1	-0.62567	-1.877
7048	SLV FO 15	-0.81145	-2.43435	SLV FO 1	-0.62362	-1.87085
7049	SLV FO 15	-0.96468	-2.89404	SLV FO 1	-0.5412	-1.6236
7050	SLV FO 15	-1.10889	-3.32666	SLV FO 1	-0.46203	-1.3861
7053	SLV FO 3	-0.67565	-2.02696	SLV FO 13	-0.62729	-1.88188
7054	SLV FO 15	-0.6592	-1.9776	SLV FO 1	-0.6009	-1.80271
7086	SLV FO 7	-0.77744	-2.33231	SLV FO 9	-0.5418	-1.6254
7087	SLV FO 11	-0.76211	-2.28634	SLV FO 5	-0.49983	-1.49948
7155	SLV FO 7	-0.96797	-2.90391	SLV FO 9	-0.42505	-1.27514
7179	SLV FO 11	-0.95215	-2.85645	SLV FO 5	-0.36677	-1.10031

Pressioni terreno in SLE/SLD

Rappresentazione in pianta delle massime compressioni sul terreno in famiglie SLE/SLD.

***Nodo**: Nodo che interagisce col terreno.*
***Ind.**: indice del nodo.*
***Pressione minima**: situazione in cui si verifica la pressione minima nel nodo.*
***Cont.**: nome breve della condizione o combinazione di carico a cui si riferisce la pressione minima.*
***uz**: spostamento massimo verticale del nodo. [cm]*
***Valore**: pressione minima sul terreno del nodo. [daN/cm²]*
***Pressione massima**: situazione in cui si verifica la pressione massima nel nodo.*
***Cont.**: nome breve della condizione o combinazione di carico a cui si riferisce la pressione massima.*
***uz**: spostamento minimo verticale del nodo. [cm]*
***Valore**: pressione massima sul terreno del nodo. [daN/cm²]*

Compressione estrema massima -3.6347 al nodo di indice 4748, di coordinate x = 3009, y = 1195, z = -125, nel contesto SLO 13.
Spostamento estremo minimo -1.21157 al nodo di indice 4748, di coordinate x = 3009, y = 1195, z = -125, nel contesto SLO 13.
Spostamento estremo massimo -0.07641 al nodo di indice 407, di coordinate x = 1906, y = 4261, z = -525, nel contesto SLO 5.

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2	SLO 5	-0.94137	-2.82412	SLO 11	-0.6042	-1.81261
3	SLO 5	-0.94791	-2.84373	SLO 11	-0.61421	-1.84263
4	SLO 5	-0.9545	-2.86351	SLO 11	-0.62419	-1.87258
5	SLO 5	-0.96111	-2.88332	SLO 11	-0.63414	-1.90242
6	SLO 5	-0.96765	-2.90296	SLO 11	-0.64401	-1.93203
7	SLO 5	-0.97407	-2.92221	SLO 11	-0.65374	-1.96121
8	SLO 5	-0.98029	-2.94088	SLO 11	-0.66323	-1.98968
9	SLO 5	-0.98631	-2.95892	SLO 11	-0.67238	-2.01714
10	SLO 5	-0.99222	-2.97667	SLO 11	-0.68097	-2.04291
11	SLO 9	-0.99896	-2.99688	SLO 7	-0.68803	-2.0641
12	SLO 9	-1.00907	-3.0272	SLO 7	-0.69102	-2.07305
13	SLO 9	-1.02085	-3.06256	SLO 7	-0.69165	-2.07496
14	SLO 9	-1.03277	-3.0983	SLO 7	-0.69161	-2.07482
15	SLO 9	-1.0446	-3.1338	SLO 7	-0.69122	-2.07365
16	SLO 9	-1.05638	-3.16913	SLO 7	-0.69063	-2.07189
17	SLO 9	-1.06815	-3.20445	SLO 7	-0.68995	-2.06985
18	SLO 9	-1.05536	-3.16607	SLO 7	-0.69035	-2.07106
19	SLO 5	-0.91164	-2.73493	SLO 11	-0.59243	-1.77728
20	SLO 9	-1.04265	-3.12794	SLO 7	-0.69085	-2.07254
21	SLO 5	-0.88198	-2.64593	SLO 11	-0.58068	-1.74204
22	SLO 9	-1.03007	-3.09021	SLO 7	-0.6915	-2.0745
23	SLO 5	-0.85242	-2.55726	SLO 11	-0.56898	-1.70693
24	SLO 9	-1.01765	-3.05296	SLO 7	-0.69237	-2.07711

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
25	SLO 5	-0.82304	-2.46911	SLO 11	-0.55732	-1.67196
26	SLO 9	-1.00543	-3.01629	SLO 7	-0.69348	-2.08045
27	SLO 5	-0.79396	-2.38189	SLO 11	-0.54574	-1.63722
28	SLO 9	-0.99341	-2.98023	SLO 7	-0.69486	-2.08458
29	SLO 5	-0.76546	-2.29639	SLO 11	-0.53432	-1.60297
30	SLO 9	-0.98161	-2.94482	SLO 7	-0.69649	-2.08948
31	SLO 5	-0.73799	-2.21398	SLO 11	-0.52325	-1.56976
32	SLO 9	-0.97001	-2.91003	SLO 7	-0.69836	-2.09508
33	SLO 5	-0.71226	-2.13679	SLO 11	-0.51287	-1.5386
34	SLO 9	-0.95859	-2.87576	SLO 7	-0.70041	-2.10123
35	SLO 5	-0.68906	-2.06718	SLO 11	-0.50357	-1.5107
36	SLO 5	-0.70542	-2.11627	SLO 11	-0.52773	-1.5832
37	SLO 5	-0.72255	-2.16766	SLO 11	-0.55263	-1.65789
38	SLO 5	-0.73931	-2.21793	SLO 11	-0.57626	-1.72878
39	SLO 5	-0.75565	-2.26695	SLO 11	-0.59837	-1.79511
40	SLO 5	-0.7767	-2.33009	SLO 11	-0.62507	-1.8752
41	SLO 9	-0.7988	-2.39639	SLO 7	-0.64622	-1.93867
42	SLO 9	-0.81815	-2.45444	SLO 7	-0.65717	-1.97152
43	SLO 9	-0.83735	-2.51205	SLO 7	-0.66629	-1.99888
44	SLO 9	-0.85614	-2.56843	SLO 7	-0.6741	-2.0223
45	SLO 9	-0.87461	-2.62382	SLO 7	-0.68088	-2.04265
46	SLO 9	-0.89286	-2.67859	SLO 7	-0.6869	-2.06069
47	SLO 9	-0.91101	-2.73303	SLO 7	-0.69238	-2.07713
48	SLO 9	-0.92914	-2.78741	SLO 7	-0.69754	-2.09262
49	SLO 9	-0.94728	-2.84183	SLO 7	-0.70256	-2.10768
50	SLO 9	-0.79137	-2.37412	SLO 7	-0.64291	-1.92873
51	SLO 5	-0.66675	-2.00026	SLO 11	-0.49483	-1.48449
52	SLO 9	-0.78421	-2.35264	SLO 7	-0.63944	-1.91832
53	SLO 1	-0.61584	-1.84753	SLO 15	-0.40303	-1.2091
54	SLO 5	-0.64714	-1.94141	SLO 11	-0.48814	-1.46443
55	SLO 9	-0.7773	-2.3319	SLO 7	-0.63591	-1.90773
56	SLO 5	-0.63228	-1.89684	SLO 11	-0.48449	-1.45347
57	SLO 9	-0.77006	-2.31018	SLO 7	-0.63196	-1.89589
59	SLO 1	-0.59401	-1.78204	SLO 15	-0.32054	-0.96161
60	SLO 5	-0.62165	-1.86494	SLO 11	-0.4837	-1.45109
61	SLO 9	-0.76363	-2.29088	SLO 7	-0.62844	-1.88532
63	SLO 5	-0.6144	-1.84321	SLO 11	-0.48539	-1.45617
64	SLO 9	-0.75747	-2.2724	SLO 7	-0.62499	-1.87497
66	SLO 1	-0.62081	-1.86243	SLO 15	-0.26452	-0.79357
67	SLO 5	-0.60998	-1.82995	SLO 11	-0.48834	-1.46503
68	SLO 5	-0.63165	-1.89496	SLO 11	-0.51599	-1.54797
70	SLO 5	-0.65569	-1.96706	SLO 11	-0.54519	-1.63557
71	SLO 9	-0.67834	-2.03503	SLO 7	-0.5679	-1.7037
72	SLO 9	-0.70332	-2.10995	SLO 7	-0.58663	-1.75989
73	SLO 9	-0.72803	-2.18409	SLO 7	-0.60461	-1.81382
74	SLO 9	-0.75149	-2.25446	SLO 7	-0.62159	-1.86477
75	SLO 9	-0.75256	-2.25769	SLO 7	-0.62237	-1.86711
76	SLO 1	-0.61618	-1.84855	SLO 15	-0.26774	-0.80322
77	SLO 1	-0.56623	-1.69869	SLO 15	-0.36763	-1.10288
78	SLO 5	-0.60904	-1.82711	SLO 11	-0.48907	-1.46722
79	SLO 5	-0.62748	-1.88245	SLO 11	-0.51927	-1.5578
81	SLO 5	-0.62334	-1.87003	SLO 11	-0.52258	-1.56774
83	SLO 5	-0.61903	-1.85709	SLO 11	-0.52568	-1.57704
85	SLO 1	-0.5861	-1.75831	SLO 15	-0.27791	-0.83374
86	SLO 5	-0.61445	-1.84336	SLO 11	-0.52839	-1.58517
88	SLO 5	-0.60969	-1.82908	SLO 11	-0.53057	-1.5917
90	SLO 9	-0.60505	-1.81514	SLO 7	-0.53201	-1.59603
92	SLO 9	-0.60071	-1.80213	SLO 7	-0.53277	-1.59832
94	SLO 1	-0.55654	-1.66961	SLO 15	-0.29806	-0.89418
95	SLO 1	-0.52363	-1.5709	SLO 15	-0.35344	-1.06033
96	SLO 1	-0.52836	-1.58509	SLO 15	-0.4436	-1.33081
97	SLO 9	-0.59662	-1.78985	SLO 7	-0.53332	-1.59995
98	SLO 9	-0.60057	-1.8017	SLO 7	-0.53626	-1.60878
99	SLO 9	-0.59293	-1.7788	SLO 7	-0.53392	-1.60176
101	SLO 9	-0.58946	-1.76838	SLO 7	-0.53453	-1.60358
103	SLO 9	-0.5861	-1.75831	SLE RA 1	-0.53478	-1.60434
105	SLO 1	-0.53271	-1.59812	SLO 15	-0.31466	-0.94398
106	SLO 9	-0.58285	-1.74854	SLE RA 1	-0.5333	-1.59989
108	SLO 9	-0.57972	-1.73917	SLE RA 1	-0.53183	-1.59548
110	SLO 9	-0.57683	-1.7305	SLE RA 1	-0.53045	-1.59134
112	SLO 1	-0.51263	-1.53789	SLO 15	-0.33613	-1.0084
113	SLO 1	-0.48925	-1.46776	SLO 15	-0.3789	-1.13669
114	SLO 1	-0.50123	-1.50368	SLE RA 1	-0.45624	-1.36872
115	SLO 9	-0.57433	-1.723	SLE RA 1	-0.5293	-1.58791
116	SLO 9	-0.57812	-1.73437	SLE RA 1	-0.53249	-1.59747
117	SLE RA 3	-0.57358	-1.72074	SLE RA 1	-0.52851	-1.58553
119	SLE RA 3	-0.57319	-1.71957	SLE RA 1	-0.52798	-1.58393
121	SLE RA 3	-0.57292	-1.71877	SLE RA 1	-0.52757	-1.5827
123	SLO 1	-0.49449	-1.48346	SLO 15	-0.36241	-1.08724
124	SLE RA 3	-0.5727	-1.7181	SLE RA 1	-0.5272	-1.58159
126	SLE RA 3	-0.57249	-1.71747	SLE RA 1	-0.52685	-1.58056
128	SLE RA 3	-0.57233	-1.71699	SLE RA 1	-0.52656	-1.57968
130	SLO 1	-0.5032	-1.50961	SLO 15	-0.40152	-1.20456
131	SLO 5	-0.3758	-1.12741	SLO 11	-0.23173	-0.6952
132	SLO 1	-0.3971	-1.1913	SLO 15	-0.29892	-0.89677
133	SLO 5	-0.49227	-1.4768	SLO 11	-0.21597	-0.64792
134	SLO 5	-0.41739	-1.25217	SLO 11	-0.21619	-0.64856
135	SLO 5	-0.36097	-1.0829	SLO 11	-0.25882	-0.77646
136	SLO 1	-0.4545	-1.36351	SLO 15	-0.34719	-1.04157
137	SLO 1	-0.51064	-1.53192	SLO 15	-0.43805	-1.31416
138	SLE RA 3	-0.52303	-1.5691	SLE RA 1	-0.47708	-1.43125
139	SLO 13	-0.57241	-1.71723	SLE RA 1	-0.52641	-1.57923
140	SLO 13	-0.57577	-1.72731	SLE RA 1	-0.52859	-1.58577
141	SLO 13	-0.57283	-1.7185	SLE RA 1	-0.52649	-1.57946
143	SLO 13	-0.57338	-1.72015	SLE RA 1	-0.52669	-1.58007
145	SLO 13	-0.5739	-1.7217	SLE RA 1	-0.5269	-1.58069
147	SLO 1	-0.543	-1.62901	SLO 15	-0.45017	-1.35051
148	SLO 1	-0.4915	-1.47449	SLO 15	-0.28153	-0.84459
149	SLO 5	-0.26586	-0.79759	SLO 11	-0.17566	-0.52698
150	SLO 1	-0.28561	-0.85683	SLO 15	-0.2223	-0.66691

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
151	SLO 13	-0.57429	-1.72288	SLE RA 1	-0.52705	-1.58116
153	SLO 13	-0.57455	-1.72366	SLE RA 1	-0.52717	-1.58151
155	SLO 13	-0.57474	-1.72422	SLE RA 1	-0.52731	-1.58194
157	SLO 1	-0.50723	-1.5217	SLO 15	-0.3263	-0.97889
158	SLO 1	-0.59341	-1.78024	SLO 15	-0.49553	-1.48658
159	SLO 1	-0.54071	-1.62213	SLE RA 1	-0.48198	-1.44594
160	SLE RA 3	-0.53911	-1.61733	SLE RA 1	-0.48916	-1.46748
161	SLO 13	-0.575	-1.72501	SLE RA 1	-0.52763	-1.58289
162	SLO 13	-0.57763	-1.73288	SLE RA 1	-0.52944	-1.58832
163	SLO 5	-0.18932	-0.56797	SLO 11	-0.13585	-0.40755
164	SLO 1	-0.20996	-0.62987	SLO 15	-0.17049	-0.51148
165	SLO 13	-0.5755	-1.7265	SLE RA 1	-0.52824	-1.58473
167	SLO 15	-0.5762	-1.7286	SLE RA 1	-0.52901	-1.58703
169	SLE RA 3	-0.57711	-1.73133	SLE RA 1	-0.52978	-1.58934
171	SLO 1	-0.61212	-1.83635	SLO 15	-0.51332	-1.53995
172	SLO 1	-0.50462	-1.51385	SLO 15	-0.34335	-1.03005
173	SLO 5	-0.16197	-0.48592	SLO 11	-0.12823	-0.3847
174	SLO 5	-0.19289	-0.57867	SLO 11	-0.15813	-0.4744
175	SLE RA 3	-0.57799	-1.73396	SLE RA 1	-0.53047	-1.59141
177	SLE RA 3	-0.57878	-1.73633	SLE RA 1	-0.53107	-1.59322
179	SLE RA 3	-0.57955	-1.73866	SLE RA 1	-0.53166	-1.59498
181	SLO 1	-0.59535	-1.78605	SLO 15	-0.50367	-1.51101
182	SLE RA 3	-0.54429	-1.63288	SLE RA 1	-0.4862	-1.4586
183	SLE RA 3	-0.54479	-1.63437	SLE RA 1	-0.49356	-1.48068
184	SLE RA 3	-0.58046	-1.74139	SLE RA 1	-0.53236	-1.59707
185	SLO 15	-0.58264	-1.74793	SLE RA 1	-0.53418	-1.60254
186	SLO 3	-0.49448	-1.48344	SLO 13	-0.32078	-0.96233
187	SLO 1	-0.18577	-0.55731	SLO 15	-0.15033	-0.45098
188	SLO 5	-0.22891	-0.68674	SLO 11	-0.18811	-0.56434
189	SLE RA 3	-0.58172	-1.74515	SLE RA 1	-0.53335	-1.60005
191	SLE RA 3	-0.58308	-1.74923	SLE RA 1	-0.53444	-1.60331
193	SLE RA 3	-0.58434	-1.75301	SLE RA 1	-0.53542	-1.60627
195	SLO 1	-0.54005	-1.62015	SLO 15	-0.46319	-1.38957
196	SLO 3	-0.46477	-1.3943	SLO 13	-0.26232	-0.78696
197	SLO 3	-0.24512	-0.73535	SLO 13	-0.18959	-0.56877
198	SLO 1	-0.29752	-0.89256	SLO 15	-0.24226	-0.72679
199	SLE RA 3	-0.58537	-1.75611	SLE RA 1	-0.5362	-1.60861
201	SLO 11	-0.5878	-1.76341	SLE RA 1	-0.53674	-1.61022
203	SLO 11	-0.59017	-1.77052	SLE RA 1	-0.53707	-1.61121
205	SLO 11	-0.57106	-1.71317	SLE RA 1	-0.52047	-1.5614
207	SLO 11	-0.59249	-1.77746	SLE RA 1	-0.5373	-1.6119
208	SLO 11	-0.59487	-1.7846	SLE RA 1	-0.53917	-1.61752
209	SLO 11	-0.61336	-1.84007	SLO 5	-0.55259	-1.65778
210	SLO 11	-0.63089	-1.89266	SLO 5	-0.56436	-1.69309
211	SLO 11	-0.64782	-1.94345	SLO 5	-0.57629	-1.72887
212	SLO 15	-0.66553	-1.99658	SLO 1	-0.58707	-1.76121
213	SLO 15	-0.68293	-2.04878	SLO 1	-0.59785	-1.79354
214	SLO 15	-0.69983	-2.09949	SLO 1	-0.60844	-1.82533
215	SLO 15	-0.71612	-2.14836	SLO 1	-0.61872	-1.85615
216	SLO 15	-0.73172	-2.19517	SLO 1	-0.62858	-1.88575
217	SLO 15	-0.74661	-2.23982	SLO 1	-0.63801	-1.91404
218	SLO 15	-0.76076	-2.28229	SLO 1	-0.64702	-1.94105
219	SLO 15	-0.77423	-2.32269	SLO 1	-0.65564	-1.96691
220	SLO 15	-0.78707	-2.3612	SLO 1	-0.66395	-1.99184
221	SLO 15	-0.79937	-2.39811	SLO 1	-0.67205	-2.01614
222	SLO 15	-0.81126	-2.43379	SLO 1	-0.68004	-2.04012
223	SLO 15	-0.8229	-2.46869	SLO 1	-0.68804	-2.06413
224	SLO 15	-0.83444	-2.50331	SLO 1	-0.69616	-2.08848
225	SLO 15	-0.84606	-2.53817	SLO 1	-0.70448	-2.11343
226	SLO 15	-0.85609	-2.56826	SLO 1	-0.71173	-2.1352
227	SLO 15	-0.85791	-2.57373	SLO 1	-0.71306	-2.13917
228	SLO 3	-0.31018	-0.93054	SLO 13	-0.21492	-0.64477
229	SLO 1	-0.35411	-1.06232	SLO 15	-0.28294	-0.84881
230	SLO 1	-0.49235	-1.47706	SLO 15	-0.42511	-1.27534
231	SLO 3	-0.43846	-1.31538	SLO 13	-0.19546	-0.58639
232	SLO 3	-0.35553	-1.0666	SLO 13	-0.20017	-0.60051
233	SLO 3	-0.30465	-0.91394	SLO 13	-0.23713	-0.7114
234	SLO 1	-0.42831	-1.28492	SLO 15	-0.34987	-1.04961
235	SLE RA 3	-0.51069	-1.53207	SLE RA 1	-0.46071	-1.38212
236	SLE RA 3	-0.54192	-1.62575	SLE RA 1	-0.49324	-1.47972
237	SLO 11	-0.59501	-1.78504	SLE RA 1	-0.53919	-1.61756
238	SLO 11	-0.57321	-1.71964	SLE RA 1	-0.52072	-1.56215
240	SLO 15	-0.84739	-2.54216	SLO 1	-0.71067	-2.13201
242	SLO 11	-0.57565	-1.72694	SLE RA 1	-0.52108	-1.56323
244	SLO 15	-0.83878	-2.51633	SLO 1	-0.70967	-2.12901
246	SLO 11	-0.57823	-1.7347	SLE RA 1	-0.52148	-1.56445
248	SLO 15	-0.8303	-2.49091	SLO 1	-0.70877	-2.1263
250	SLO 11	-0.58083	-1.7425	SLO 5	-0.51967	-1.55902
252	SLO 15	-0.82201	-2.46603	SLO 1	-0.70797	-2.12392
254	SLO 11	-0.61942	-1.85825	SLE RA 1	-0.55361	-1.66084
255	SLO 7	-0.3602	-1.08059	SLO 9	-0.20358	-0.61074
256	SLO 3	-0.38349	-1.15048	SLO 13	-0.27058	-0.81173
257	SLO 3	-0.47765	-1.43294	SLO 13	-0.40211	-1.20634
258	SLO 11	-0.58326	-1.74977	SLO 5	-0.51777	-1.55331
260	SLO 15	-0.81394	-2.44183	SLO 1	-0.7073	-2.12189
262	SLO 11	-0.58526	-1.75578	SLO 5	-0.51584	-1.54753
264	SLO 15	-0.80616	-2.41847	SLO 1	-0.70674	-2.12023
266	SLO 11	-0.58652	-1.75956	SLO 5	-0.51386	-1.54157
268	SLO 15	-0.79874	-2.39623	SLO 1	-0.70633	-2.11899
270	SLO 11	-0.58665	-1.75994	SLO 5	-0.5117	-1.53511
272	SLO 15	-0.79183	-2.37549	SLO 1	-0.70612	-2.11835
273	SLO 15	-0.79944	-2.39831	SLO 1	-0.71324	-2.13973
274	SLO 11	-0.60112	-1.80337	SLE RA 1	-0.5329	-1.59871
275	SLO 3	-0.50423	-1.5127	SLO 13	-0.39333	-1.17998
277	SLO 15	-0.78643	-2.35928	SLO 1	-0.70612	-2.11836
278	SLO 15	-0.79391	-2.38174	SLO 1	-0.71314	-2.13941
279	SLO 7	-0.42588	-1.27763	SLO 9	-0.15406	-0.46218
280	SLO 7	-0.41551	-1.24654	SLO 9	-0.18996	-0.56989
281	SLO 3	-0.44129	-1.32388	SLO 13	-0.24129	-0.72388
282	SLO 3	-0.50477	-1.51432	SLO 13	-0.39986	-1.19959

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
283	SLO 7	-0.52606	-1.57817	SLO 9	-0.44665	-1.33996
284	SLO 11	-0.58526	-1.75579	SLO 5	-0.50925	-1.52775
286	SLO 11	-0.59022	-1.77065	SLO 5	-0.51323	-1.5397
287	SLO 15	-0.78128	-2.34384	SLO 1	-0.70623	-2.1187
288	SLO 15	-0.78864	-2.36593	SLO 1	-0.71314	-2.13943
289	SLO 11	-0.58276	-1.74829	SLO 5	-0.50616	-1.51848
291	SLO 15	-0.78237	-2.34712	SLO 1	-0.71335	-2.14004
292	SLO 11	-0.57888	-1.73663	SLO 5	-0.50265	-1.50796
294	SLO 11	-0.59597	-1.78791	SLO 5	-0.52731	-1.58194
295	SLO 15	-0.77671	-2.33013	SLE RA 1	-0.71202	-2.13607
296	SLO 11	-0.57403	-1.72208	SLO 5	-0.49944	-1.49831
299	SLO 7	-0.53786	-1.61359	SLO 9	-0.22397	-0.6719
300	SLO 7	-0.54012	-1.62037	SLO 9	-0.35692	-1.07075
301	SLO 15	-0.77153	-2.31459	SLE RA 1	-0.70967	-2.129
302	SLO 11	-0.56988	-1.70964	SLO 5	-0.49748	-1.49245
304	SLO 7	-0.46479	-1.39438	SLO 9	-0.29499	-0.88498
305	SLO 1	-0.1965	-0.58949	SLO 15	-0.13166	-0.39498
306	SLO 11	-0.56575	-1.69725	SLO 5	-0.49617	-1.48852
308	SLO 15	-0.76675	-2.30024	SLE RA 1	-0.70747	-2.1224
309	SLO 7	-0.45267	-1.358	SLO 9	-0.28298	-0.84895
310	SLO 7	-0.2914	-0.87421	SLO 9	-0.22033	-0.661
311	SLO 1	-0.18935	-0.56806	SLO 15	-0.12758	-0.38274
312	SLO 7	-0.56265	-1.68796	SLO 9	-0.49479	-1.48437
314	SLE RA 3	-0.76314	-2.28941	SLE RA 1	-0.70542	-2.11627
315	SLO 7	-0.56115	-1.68344	SLO 9	-0.49333	-1.47999
317	SLO 7	-0.5599	-1.6797	SLO 9	-0.49249	-1.47747
319	SLO 7	-0.56582	-1.69745	SLO 9	-0.50635	-1.51904
320	SLO 7	-0.56648	-1.69944	SLO 9	-0.50788	-1.52364
321	SLO 7	-0.57231	-1.71693	SLO 9	-0.51931	-1.55794
322	SLO 11	-0.5801	-1.74029	SLE RA 1	-0.52794	-1.58383
323	SLO 11	-0.58896	-1.76688	SLE RA 1	-0.53635	-1.60904
324	SLO 11	-0.5989	-1.79669	SLE RA 1	-0.54561	-1.63683
325	SLO 11	-0.60942	-1.82825	SLE RA 1	-0.55538	-1.66613
326	SLO 11	-0.62025	-1.86076	SLE RA 1	-0.56544	-1.69633
327	SLO 11	-0.63119	-1.89356	SLE RA 1	-0.57565	-1.72694
328	SLO 11	-0.64206	-1.92618	SLE RA 1	-0.58586	-1.75759
329	SLO 15	-0.65371	-1.96113	SLE RA 1	-0.59604	-1.78811
330	SLO 15	-0.66525	-1.99575	SLE RA 1	-0.60617	-1.8185
331	SLO 15	-0.67506	-2.02518	SLE RA 1	-0.61507	-1.84522
332	SLO 15	-0.68472	-2.05416	SLE RA 1	-0.62432	-1.87297
333	SLO 15	-0.69662	-2.08987	SLE RA 1	-0.63636	-1.90909
334	SLO 15	-0.70925	-2.12774	SLE RA 1	-0.64971	-1.94914
335	SLO 15	-0.72283	-2.1685	SLE RA 1	-0.66448	-1.99343
336	SLO 15	-0.73422	-2.20267	SLE RA 1	-0.67702	-2.03105
337	SLE RA 3	-0.74701	-2.24103	SLE RA 1	-0.69013	-2.07038
338	SLE RA 3	-0.76125	-2.28374	SLE RA 1	-0.70356	-2.11067
339	SLO 7	-0.39705	-1.19114	SLO 9	-0.2337	-0.70111
340	SLO 7	-0.39704	-1.19112	SLO 9	-0.2337	-0.7011
341	SLO 7	-0.41795	-1.25384	SLO 9	-0.26472	-0.79416
342	SLO 7	-0.51291	-1.53873	SLO 9	-0.41459	-1.24378
344	SLO 7	-0.56513	-1.69539	SLO 9	-0.50737	-1.52211
345	SLO 7	-0.56409	-1.69226	SLO 9	-0.50571	-1.51714
347	SLE RA 3	-0.75944	-2.27833	SLE RA 1	-0.70176	-2.10529
348	SLO 11	-0.67032	-2.01095	SLE RA 1	-0.6112	-1.83359
349	SLO 1	-0.15514	-0.46541	SLO 15	-0.10847	-0.32541
350	SLO 7	-0.56244	-1.68731	SLO 9	-0.50518	-1.51553
352	SLE RA 3	-0.75764	-2.27292	SLE RA 1	-0.69996	-2.09989
353	SLO 11	-0.67712	-2.03136	SLE RA 1	-0.61599	-1.84798
354	SLO 7	-0.56129	-1.68386	SLO 9	-0.50477	-1.51432
356	SLE RA 3	-0.7556	-2.26681	SLE RA 1	-0.69794	-2.09383
357	SLO 11	-0.68351	-2.05054	SLO 5	-0.61884	-1.85652
358	SLO 7	-0.56103	-1.6831	SLO 9	-0.5045	-1.51351
360	SLE RA 3	-0.7531	-2.2593	SLE RA 1	-0.6955	-2.08651
361	SLO 11	-0.68935	-2.06804	SLO 5	-0.62074	-1.86223
362	SLO 3	-0.56311	-1.68933	SLO 13	-0.50321	-1.50962
364	SLO 11	-0.75035	-2.25104	SLE RA 1	-0.69248	-2.07743
365	SLO 7	-0.29207	-0.87622	SLO 9	-0.15693	-0.4708
366	SLO 11	-0.69455	-2.08364	SLO 5	-0.62175	-1.86526
367	SLO 3	-0.13675	-0.41026	SLO 13	-0.09475	-0.28426
368	SLO 3	-0.56725	-1.70174	SLO 13	-0.50124	-1.50371
370	SLO 11	-0.74772	-2.24317	SLE RA 1	-0.68871	-2.06614
371	SLO 11	-0.69911	-2.09734	SLO 5	-0.62175	-1.86524
372	SLO 3	-0.57209	-1.71626	SLO 13	-0.49988	-1.49965
374	SLO 7	-0.74462	-2.23386	SLE RA 1	-0.68409	-2.05227
375	SLO 7	-0.7033	-2.1099	SLO 9	-0.62046	-1.86137
376	SLO 3	-0.57756	-1.73268	SLO 13	-0.499	-1.49701
378	SLO 7	-0.74121	-2.22362	SLE RA 1	-0.67851	-2.03552
379	SLO 7	-0.70756	-2.12268	SLO 9	-0.61752	-1.85256
380	SLO 3	-0.58356	-1.75067	SLO 13	-0.49844	-1.49533
382	SLO 7	-0.73716	-2.21148	SLO 9	-0.67048	-2.01144
383	SLO 7	-0.7116	-2.13481	SLO 9	-0.61343	-1.8403
384	SLO 7	-0.14237	-0.42712	SLO 9	-0.08864	-0.26592
385	SLO 11	-0.21411	-0.64232	SLO 5	-0.09258	-0.27775
386	SLO 7	-0.17169	-0.51506	SLO 9	-0.09028	-0.27085
387	SLO 3	-0.58995	-1.76984	SLO 13	-0.49805	-1.49415
389	SLO 7	-0.7313	-2.19391	SLO 9	-0.6581	-1.9743
391	SLO 7	-0.73229	-2.19688	SLO 9	-0.65901	-1.97703
392	SLO 7	-0.73223	-2.1967	SLO 9	-0.65895	-1.97686
393	SLO 7	-0.73443	-2.20328	SLO 9	-0.66096	-1.98288
394	SLO 7	-0.73631	-2.20893	SLO 9	-0.66264	-1.98791
395	SLO 7	-0.73779	-2.21338	SLO 9	-0.66386	-1.99157
396	SLO 7	-0.73886	-2.21657	SLO 9	-0.66456	-1.99369
397	SLO 7	-0.73955	-2.21864	SLO 9	-0.66475	-1.99424
398	SLO 7	-0.73995	-2.21984	SLO 9	-0.66442	-1.99325
399	SLO 7	-0.74017	-2.2205	SLO 9	-0.66361	-1.99082
400	SLO 7	-0.74032	-2.22095	SLO 9	-0.66237	-1.9871
401	SLO 11	-0.74047	-2.2214	SLO 5	-0.6608	-1.9824
402	SLO 11	-0.74065	-2.22196	SLO 5	-0.65902	-1.97705
403	SLO 11	-0.7409	-2.22269	SLO 5	-0.65713	-1.97138
404	SLO 11	-0.74119	-2.22357	SLO 5	-0.6552	-1.9656

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
405	SLO 7	-0.7153	-2.14589	SLO 9	-0.60869	-1.82607
406	SLO 7	-0.14838	-0.44513	SLO 9	-0.08459	-0.25378
407	SLO 11	-0.19966	-0.59898	SLO 5	-0.07641	-0.22922
408	SLO 7	-0.72948	-2.18844	SLO 9	-0.65258	-1.95775
409	SLO 7	-0.72848	-2.18544	SLO 9	-0.65166	-1.95497
411	SLO 3	-0.59663	-1.78988	SLO 13	-0.49771	-1.49313
413	SLO 11	-0.73739	-2.21217	SLO 5	-0.64237	-1.9271
414	SLO 7	-0.72658	-2.17975	SLO 9	-0.64597	-1.9379
415	SLO 7	-0.72558	-2.17673	SLO 9	-0.64503	-1.9351
417	SLO 7	-0.71799	-2.15398	SLO 9	-0.60293	-1.80878
419	SLO 3	-0.60353	-1.81059	SLO 13	-0.49736	-1.49208
421	SLO 11	-0.7338	-2.2014	SLO 5	-0.62947	-1.88842
422	SLO 7	-0.71992	-2.15976	SLO 9	-0.63184	-1.89551
424	SLO 7	-0.72185	-2.16555	SLO 9	-0.5976	-1.79281
426	SLO 3	-0.61063	-1.83189	SLO 13	-0.49697	-1.49092
428	SLO 7	-0.73053	-2.19159	SLO 9	-0.61649	-1.84947
429	SLO 7	-0.71423	-2.14268	SLO 9	-0.61775	-1.85325
431	SLO 7	-0.72609	-2.17826	SLO 9	-0.59249	-1.77748
433	SLO 3	-0.61792	-1.85377	SLO 13	-0.49657	-1.48972
435	SLO 7	-0.72761	-2.18283	SLO 9	-0.60341	-1.81022
436	SLO 7	-0.70871	-2.12614	SLO 9	-0.60303	-1.80908
438	SLO 7	-0.72986	-2.18959	SLO 9	-0.58857	-1.76571
440	SLO 7	-0.72497	-2.17491	SLO 9	-0.59025	-1.77076
441	SLO 3	-0.62542	-1.87627	SLO 13	-0.4962	-1.48859
443	SLO 7	-0.70384	-2.11153	SLO 9	-0.58903	-1.76709
445	SLO 7	-0.7339	-2.20171	SLO 9	-0.58483	-1.75448
447	SLO 7	-0.7225	-2.1675	SLO 9	-0.57704	-1.73112
448	SLO 3	-0.63314	-1.89943	SLO 13	-0.49588	-1.48764
450	SLO 7	-0.69918	-2.09753	SLO 9	-0.57471	-1.72414
452	SLO 7	-0.73814	-2.21441	SLO 9	-0.58122	-1.74366
454	SLO 7	-0.72008	-2.16025	SLO 9	-0.56375	-1.69125
455	SLO 7	-0.69467	-2.08402	SLO 9	-0.56018	-1.68054
457	SLO 7	-0.64232	-1.92696	SLO 9	-0.49439	-1.48318
459	SLO 7	-0.74249	-2.22746	SLO 9	-0.57771	-1.73312
479	SLO 7	-0.69024	-2.07072	SLO 9	-0.54552	-1.63657
493	SLO 7	-0.71759	-2.15277	SLO 9	-0.55036	-1.65107
503	SLO 7	-0.71716	-2.15149	SLO 9	-0.53853	-1.61559
520	SLO 11	-0.69461	-2.08383	SLO 5	-0.52891	-1.58673
549	SLO 7	-0.65129	-1.95386	SLO 9	-0.49285	-1.47855
550	SLO 3	-0.64971	-1.94913	SLO 13	-0.50406	-1.51217
551	SLO 3	-0.64699	-1.94096	SLO 13	-0.50764	-1.52293
552	SLO 3	-0.6454	-1.93619	SLO 13	-0.51098	-1.53294
553	SLO 3	-0.64457	-1.9337	SLO 13	-0.51482	-1.54447
554	SLO 7	-0.64699	-1.94097	SLO 9	-0.51817	-1.55452
555	SLO 7	-0.6516	-1.95481	SLO 9	-0.52139	-1.56416
556	SLO 7	-0.65635	-1.96905	SLO 9	-0.52469	-1.57406
557	SLO 7	-0.66134	-1.98402	SLO 9	-0.52809	-1.58428
558	SLO 7	-0.66622	-1.99865	SLO 9	-0.53134	-1.59402
559	SLO 7	-0.67067	-2.01202	SLO 9	-0.53422	-1.60267
560	SLO 7	-0.74604	-2.23811	SLO 9	-0.57491	-1.72472
561	SLO 7	-0.67463	-2.0239	SLO 9	-0.53675	-1.61026
562	SLO 7	-0.67804	-2.03413	SLO 9	-0.53885	-1.61655
563	SLO 7	-0.68096	-2.04289	SLO 9	-0.54055	-1.62164
564	SLO 7	-0.68351	-2.05052	SLO 9	-0.54191	-1.62573
565	SLO 7	-0.68579	-2.05736	SLO 9	-0.543	-1.629
566	SLO 7	-0.68793	-2.06378	SLO 9	-0.54387	-1.63162
567	SLO 7	-0.69006	-2.07019	SLO 9	-0.54458	-1.63375
568	SLO 7	-0.69206	-2.07619	SLO 9	-0.5452	-1.63559
569	SLO 7	-0.69418	-2.08255	SLO 9	-0.54578	-1.63734
570	SLO 7	-0.69646	-2.08938	SLO 9	-0.54639	-1.63917
571	SLO 7	-0.69889	-2.09666	SLO 9	-0.54706	-1.64119
572	SLO 7	-0.70143	-2.1043	SLO 9	-0.5478	-1.6434
573	SLO 7	-0.70402	-2.11207	SLO 9	-0.54856	-1.64569
574	SLO 7	-0.70657	-2.11972	SLO 9	-0.54929	-1.64787
575	SLO 7	-0.709	-2.12699	SLO 9	-0.54992	-1.64977
576	SLO 7	-0.71123	-2.13368	SLO 9	-0.55039	-1.65117
577	SLO 7	-0.71321	-2.13962	SLO 9	-0.55063	-1.65189
578	SLO 7	-0.71491	-2.14472	SLO 9	-0.55059	-1.65177
579	SLO 7	-0.71631	-2.14892	SLO 9	-0.55022	-1.65065
580	SLO 7	-0.71743	-2.15228	SLO 9	-0.5495	-1.64851
581	SLO 7	-0.71841	-2.15523	SLO 9	-0.54864	-1.64592
582	SLO 7	-0.71915	-2.15746	SLO 9	-0.54751	-1.64252
583	SLO 7	-0.71965	-2.15895	SLO 9	-0.54617	-1.6385
584	SLO 7	-0.71993	-2.15979	SLO 9	-0.54471	-1.63414
585	SLO 7	-0.72	-2.16	SLO 9	-0.54324	-1.62971
586	SLO 7	-0.71988	-2.15963	SLO 9	-0.54183	-1.62548
587	SLO 7	-0.71956	-2.15867	SLO 9	-0.54056	-1.62167
588	SLO 7	-0.71903	-2.15709	SLO 9	-0.53948	-1.61845
589	SLO 7	-0.71828	-2.15484	SLO 9	-0.53866	-1.61598
590	SLO 7	-0.7173	-2.15191	SLO 9	-0.5381	-1.61429
591	SLO 7	-0.71621	-2.14862	SLO 9	-0.53762	-1.61285
592	SLO 7	-0.71491	-2.14472	SLO 9	-0.5374	-1.61219
593	SLO 7	-0.71345	-2.14034	SLO 9	-0.5374	-1.6122
594	SLO 7	-0.71189	-2.13567	SLO 9	-0.53756	-1.61269
595	SLO 11	-0.71029	-2.13086	SLO 5	-0.53782	-1.61345
596	SLO 11	-0.70869	-2.12607	SLO 5	-0.53809	-1.61427
597	SLO 11	-0.70713	-2.12139	SLO 5	-0.53832	-1.61495
598	SLO 11	-0.70564	-2.11691	SLO 5	-0.53843	-1.61528
599	SLO 11	-0.70423	-2.11268	SLO 5	-0.53837	-1.61512
600	SLO 11	-0.7029	-2.10871	SLO 5	-0.5381	-1.61431
601	SLO 11	-0.70167	-2.10501	SLO 5	-0.53759	-1.61276
602	SLO 11	-0.70052	-2.10155	SLO 5	-0.53679	-1.61037
603	SLO 11	-0.69943	-2.09828	SLO 5	-0.5357	-1.6071
604	SLO 11	-0.69837	-2.09511	SLO 5	-0.5343	-1.6029
605	SLO 11	-0.69732	-2.09195	SLO 5	-0.53258	-1.59775
606	SLO 11	-0.69623	-2.08868	SLO 5	-0.53055	-1.59166
607	SLO 11	-0.69506	-2.08518	SLO 5	-0.52824	-1.58471
608	SLO 11	-0.69383	-2.0815	SLO 5	-0.52575	-1.57724
609	SLO 11	-0.69255	-2.07764	SLO 5	-0.52306	-1.56917
610	SLO 11	-0.69125	-2.07374	SLO 5	-0.52024	-1.56072

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
611	SLO 11	-0.68999	-2.06998	SLO 5	-0.51738	-1.55215
612	SLO 11	-0.68883	-2.0665	SLO 5	-0.51456	-1.54369
613	SLO 11	-0.68781	-2.06343	SLO 5	-0.51185	-1.53556
614	SLO 11	-0.68695	-2.06086	SLO 5	-0.5093	-1.5279
615	SLO 11	-0.68628	-2.05885	SLO 5	-0.50694	-1.52083
616	SLO 11	-0.68581	-2.05744	SLO 5	-0.5048	-1.5144
617	SLO 11	-0.68556	-2.05667	SLO 5	-0.50288	-1.50865
618	SLO 11	-0.68551	-2.05653	SLO 5	-0.50119	-1.50356
619	SLO 11	-0.68566	-2.05699	SLO 5	-0.4997	-1.49909
620	SLO 11	-0.68601	-2.05802	SLO 5	-0.49839	-1.49517
621	SLO 11	-0.68652	-2.05955	SLO 5	-0.49724	-1.49172
622	SLO 11	-0.68717	-2.0615	SLO 5	-0.49622	-1.48865
623	SLO 11	-0.68792	-2.06377	SLO 5	-0.49528	-1.48584
624	SLO 11	-0.68875	-2.06624	SLO 5	-0.4944	-1.48319
625	SLO 11	-0.68959	-2.06878	SLO 5	-0.49353	-1.4806
626	SLO 11	-0.69041	-2.07123	SLO 5	-0.49265	-1.47794
627	SLO 11	-0.69114	-2.07343	SLO 5	-0.4917	-1.47511
628	SLO 11	-0.69175	-2.07525	SLO 5	-0.49067	-1.47202
629	SLO 11	-0.69217	-2.07652	SLO 5	-0.48952	-1.46857
630	SLO 11	-0.69237	-2.07712	SLO 5	-0.48823	-1.4647
631	SLO 11	-0.69232	-2.07697	SLO 5	-0.48678	-1.46035
632	SLO 11	-0.69202	-2.07605	SLO 5	-0.48517	-1.4555
633	SLO 11	-0.69147	-2.0744	SLO 5	-0.4834	-1.45019
634	SLO 11	-0.69007	-2.07021	SLO 5	-0.47991	-1.43974
637	SLO 7	-0.71956	-2.15867	SLO 9	-0.53167	-1.59502
638	SLO 11	-0.70196	-2.10589	SLO 5	-0.51827	-1.55481
641	SLO 7	-0.72224	-2.16671	SLO 9	-0.52497	-1.57492
642	SLO 11	-0.70956	-2.12869	SLO 5	-0.50782	-1.52347
643	SLO 7	-0.72515	-2.17545	SLO 9	-0.51844	-1.55532
644	SLO 11	-0.71731	-2.15192	SLO 5	-0.49758	-1.49274
645	SLO 7	-0.72825	-2.18474	SLO 9	-0.51206	-1.53617
646	SLO 11	-0.72508	-2.17524	SLO 5	-0.48756	-1.46267
647	SLO 7	-0.73148	-2.19445	SLO 9	-0.50578	-1.51735
648	SLO 11	-0.73279	-2.19836	SLO 5	-0.47777	-1.43332
649	SLO 7	-0.73482	-2.20447	SLO 9	-0.49957	-1.49871
650	SLO 11	-0.74035	-2.22106	SLO 5	-0.46824	-1.40473
651	SLO 7	-0.73824	-2.21473	SLO 9	-0.49337	-1.4801
652	SLO 11	-0.74774	-2.24322	SLO 5	-0.45896	-1.37689
653	SLO 7	-0.74173	-2.22518	SLO 9	-0.48714	-1.46141
654	SLO 11	-0.75495	-2.26486	SLO 5	-0.4499	-1.34971
655	SLO 7	-0.74526	-2.23578	SLO 9	-0.48088	-1.44264
656	SLO 7	-0.7481	-2.2443	SLO 9	-0.48047	-1.44141
657	SLO 7	-0.75096	-2.25288	SLO 9	-0.48012	-1.44035
658	SLO 7	-0.75419	-2.26257	SLO 9	-0.47986	-1.43958
659	SLO 7	-0.75737	-2.2721	SLO 9	-0.4798	-1.43941
660	SLO 7	-0.76036	-2.28107	SLO 9	-0.47994	-1.43983
661	SLO 7	-0.76319	-2.28957	SLO 9	-0.48022	-1.44067
662	SLO 7	-0.76538	-2.29615	SLO 9	-0.48049	-1.44147
663	SLO 7	-0.76682	-2.30045	SLO 9	-0.48055	-1.44166
664	SLO 11	-0.76747	-2.3024	SLO 5	-0.48022	-1.44067
665	SLO 11	-0.7674	-2.30219	SLO 5	-0.47932	-1.43795
666	SLO 11	-0.76674	-2.30023	SLO 5	-0.47769	-1.43307
667	SLO 11	-0.76569	-2.29706	SLO 5	-0.47525	-1.42576
668	SLO 11	-0.76446	-2.29337	SLO 5	-0.47199	-1.41596
669	SLO 11	-0.76318	-2.28955	SLO 5	-0.46749	-1.40247
670	SLO 11	-0.76224	-2.28672	SLO 5	-0.46218	-1.38653
671	SLO 11	-0.76172	-2.28517	SLO 5	-0.4556	-1.3668
672	SLO 11	-0.76172	-2.28517	SLO 5	-0.44844	-1.34533
673	SLO 11	-0.76207	-2.2862	SLO 5	-0.44099	-1.32297
4748	SLO 13	-1.21157	-3.6347	SLO 3	-0.59641	-1.78924
4749	SLO 13	-1.02391	-3.07173	SLO 3	-0.78377	-2.35132
4750	SLO 13	-1.06142	-3.18426	SLO 3	-0.74647	-2.23942
4751	SLO 13	-1.09895	-3.29684	SLO 3	-0.7091	-2.12731
4752	SLO 13	-1.13637	-3.40912	SLO 3	-0.67164	-2.01491
4753	SLO 13	-1.17363	-3.52088	SLO 3	-0.63406	-1.90219
4754	SLO 13	-1.21073	-3.6322	SLO 3	-0.59641	-1.78923
4756	SLO 13	-1.18715	-3.56144	SLO 3	-0.59629	-1.78888
4757	SLO 13	-1.16356	-3.49068	SLO 3	-0.59654	-1.78961
4758	SLO 13	-1.14156	-3.42467	SLO 3	-0.59749	-1.79246
4759	SLO 13	-1.12174	-3.36523	SLO 3	-0.59947	-1.79841
4760	SLO 13	-1.10446	-3.31339	SLO 3	-0.60272	-1.80817
4761	SLO 13	-1.08984	-3.26952	SLO 3	-0.6074	-1.8222
4762	SLO 13	-1.07781	-3.23344	SLO 3	-0.61356	-1.84067
4763	SLO 13	-1.06826	-3.20477	SLO 3	-0.62117	-1.86352
4764	SLO 13	-1.06102	-3.18305	SLO 3	-0.63014	-1.89042
4765	SLO 13	-1.05592	-3.16775	SLO 3	-0.64024	-1.92073
4766	SLO 13	-1.05271	-3.15812	SLO 3	-0.65117	-1.95352
4767	SLO 13	-1.051	-3.15301	SLO 3	-0.66252	-1.98756
4768	SLO 13	-1.05028	-3.15085	SLO 3	-0.67378	-2.02135
4769	SLO 13	-1.04996	-3.14988	SLO 3	-0.68443	-2.0533
4770	SLO 13	-1.04951	-3.14854	SLO 3	-0.694	-2.08199
4771	SLO 13	-1.04864	-3.14593	SLO 3	-0.70216	-2.10649
4772	SLO 13	-1.04731	-3.14194	SLO 3	-0.70884	-2.12652
4773	SLO 13	-1.04563	-3.13688	SLO 3	-0.71408	-2.14223
4774	SLO 13	-1.04366	-3.13099	SLO 3	-0.71797	-2.1539
4775	SLO 13	-1.04138	-3.12415	SLO 3	-0.72057	-2.16172
4776	SLO 13	-1.03865	-3.11594	SLO 3	-0.72191	-2.16572
4777	SLO 13	-1.03534	-3.10602	SLO 3	-0.72203	-2.16608
4778	SLO 13	-1.03152	-3.09457	SLO 3	-0.72111	-2.16334
4779	SLO 13	-1.02747	-3.08241	SLO 3	-0.71954	-2.15861
4780	SLO 13	-1.02357	-3.07071	SLO 3	-0.7178	-2.15339
4781	SLO 13	-1.02018	-3.06055	SLO 3	-0.71643	-2.14929
4782	SLO 13	-1.01755	-3.05265	SLO 3	-0.71593	-2.14779
4783	SLO 13	-1.01578	-3.04734	SLO 3	-0.71668	-2.15005
4784	SLO 13	-1.0149	-3.04471	SLO 3	-0.71896	-2.15687
4785	SLO 13	-1.01492	-3.04476	SLO 3	-0.72285	-2.16856
4786	SLO 13	-1.01582	-3.04747	SLO 3	-0.72833	-2.18498
4787	SLO 13	-1.01755	-3.05266	SLO 3	-0.73518	-2.20553
4788	SLO 13	-1.01994	-3.05983	SLO 3	-0.74307	-2.22921
4789	SLO 15	-1.02272	-3.06815	SLO 1	-0.75153	-2.25458

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
4790	SLO 15	-1.02555	-3.07664	SLO 1	-0.75996	-2.27987
4791	SLO 15	-1.02817	-3.08451	SLO 1	-0.76773	-2.30319
4792	SLO 15	-1.03043	-3.0913	SLO 1	-0.77438	-2.32313
4793	SLO 15	-1.03223	-3.09669	SLO 1	-0.77979	-2.33937
4794	SLO 15	-1.0335	-3.1005	SLO 1	-0.78411	-2.35234
4795	SLO 15	-1.03423	-3.1027	SLO 1	-0.78747	-2.36242
4796	SLO 15	-1.03438	-3.10314	SLO 1	-0.78985	-2.36956
4797	SLO 15	-1.03376	-3.10129	SLO 1	-0.79112	-2.37336
4798	SLO 15	-1.03213	-3.09638	SLO 1	-0.79114	-2.37341
4799	SLO 15	-1.02924	-3.08773	SLO 1	-0.78989	-2.36968
4800	SLO 15	-1.02507	-3.0752	SLO 1	-0.78758	-2.36273
4801	SLO 15	-1.01974	-3.05923	SLO 1	-0.78452	-2.35356
4802	SLO 15	-1.01354	-3.04061	SLO 1	-0.78108	-2.34324
4803	SLO 15	-1.00673	-3.02018	SLO 1	-0.77754	-2.33261
4804	SLO 15	-0.99951	-2.99853	SLO 1	-0.77403	-2.32209
4805	SLO 15	-0.99201	-2.97603	SLO 1	-0.7706	-2.31181
4807	SLO 15	-0.98435	-2.95305	SLO 1	-0.76724	-2.30172
4808	SLO 15	-0.87494	-2.62482	SLE RA 1	-0.80602	-2.41806
4809	SLE RA 3	-0.87496	-2.62487	SLE RA 1	-0.80482	-2.41445
4810	SLE RA 3	-0.87559	-2.62676	SLE RA 1	-0.80359	-2.41076
4811	SLE RA 3	-0.87606	-2.62818	SLE RA 1	-0.80225	-2.40676
4812	SLO 5	-0.87666	-2.62997	SLE RA 1	-0.80071	-2.40212
4813	SLO 5	-0.88788	-2.66364	SLO 11	-0.79777	-2.39331
4814	SLO 5	-0.8984	-2.69519	SLO 11	-0.78385	-2.35154
4815	SLO 5	-0.90773	-2.7232	SLO 11	-0.76926	-2.30777
4816	SLO 5	-0.91555	-2.74664	SLO 11	-0.75411	-2.26233
4817	SLO 1	-0.92252	-2.76756	SLO 15	-0.73787	-2.21361
4818	SLO 1	-0.92743	-2.78228	SLO 15	-0.7222	-2.16661
4819	SLO 1	-0.93007	-2.79022	SLO 15	-0.70782	-2.12347
4820	SLO 5	-0.93162	-2.79485	SLO 11	-0.69389	-2.08168
4821	SLO 5	-0.93231	-2.79692	SLO 11	-0.68023	-2.0407
4822	SLO 5	-0.93167	-2.795	SLO 11	-0.66728	-2.00184
4823	SLO 5	-0.92974	-2.78923	SLO 11	-0.65502	-1.96507
4824	SLO 5	-0.92678	-2.78033	SLO 11	-0.64357	-1.93071
4825	SLO 5	-0.92315	-2.76946	SLO 11	-0.63315	-1.89946
4826	SLO 5	-0.9193	-2.75791	SLO 11	-0.62408	-1.87223
4827	SLO 5	-0.91558	-2.74674	SLO 11	-0.61663	-1.8499
4828	SLO 5	-0.91221	-2.73664	SLO 11	-0.61103	-1.83308
4829	SLO 5	-0.90933	-2.728	SLO 11	-0.60735	-1.82204
4830	SLO 5	-0.90701	-2.72104	SLO 11	-0.60556	-1.81667
4831	SLO 5	-0.90531	-2.71593	SLO 11	-0.60553	-1.81659
4832	SLO 5	-0.90428	-2.71284	SLO 11	-0.60705	-1.82115
4833	SLO 5	-0.90393	-2.71179	SLO 11	-0.60986	-1.82959
4834	SLO 5	-0.90419	-2.71257	SLO 11	-0.61366	-1.84097
4835	SLO 5	-0.90487	-2.7146	SLO 11	-0.61806	-1.85419
4836	SLO 5	-0.90569	-2.71707	SLO 11	-0.62267	-1.86801
4837	SLO 5	-0.90638	-2.71913	SLO 11	-0.62706	-1.88118
4838	SLO 5	-0.90673	-2.72018	SLO 11	-0.63089	-1.89267
4839	SLO 5	-0.9067	-2.72009	SLO 11	-0.63398	-1.90193
4840	SLO 5	-0.90639	-2.71917	SLO 11	-0.63627	-1.90882
4841	SLO 5	-0.90594	-2.71783	SLO 11	-0.63779	-1.91338
4842	SLO 5	-0.90546	-2.71638	SLO 11	-0.6385	-1.91549
4843	SLO 5	-0.90499	-2.71497	SLO 11	-0.63822	-1.91466
4844	SLO 9	-0.90456	-2.71368	SLO 7	-0.63677	-1.91032
4845	SLO 9	-0.90416	-2.71247	SLO 7	-0.63414	-1.90243
4846	SLO 9	-0.90378	-2.71135	SLO 7	-0.63061	-1.89184
4847	SLO 9	-0.90358	-2.71073	SLO 7	-0.62664	-1.87992
4848	SLO 9	-0.90381	-2.71144	SLO 7	-0.62269	-1.86808
4849	SLO 9	-0.90479	-2.71436	SLO 7	-0.61919	-1.85756
4850	SLO 9	-0.90672	-2.72016	SLO 7	-0.61645	-1.84935
4851	SLO 9	-0.90972	-2.72915	SLO 7	-0.61474	-1.84423
4852	SLO 9	-0.91379	-2.74137	SLO 7	-0.61425	-1.84276
4853	SLO 9	-0.91892	-2.75677	SLO 7	-0.61507	-1.8452
4854	SLO 9	-0.92512	-2.77537	SLO 7	-0.61716	-1.85147
4855	SLO 9	-0.93241	-2.79724	SLO 7	-0.62036	-1.86109
4856	SLO 9	-0.94079	-2.82237	SLO 7	-0.62439	-1.87318
4857	SLO 9	-0.95016	-2.85048	SLO 7	-0.62886	-1.88658
4858	SLO 9	-0.9603	-2.88091	SLO 7	-0.6333	-1.89991
4859	SLO 9	-0.97092	-2.91275	SLO 7	-0.63726	-1.91177
4860	SLO 9	-0.98171	-2.94513	SLO 7	-0.64032	-1.92096
4861	SLO 9	-0.99253	-2.97759	SLO 7	-0.6422	-1.9266
4862	SLO 9	-1.00343	-3.0103	SLO 7	-0.64273	-1.92819
4863	SLO 9	-1.01458	-3.04373	SLO 7	-0.64179	-1.92536
4864	SLO 9	-1.02609	-3.07828	SLO 7	-0.63923	-1.9177
4865	SLO 9	-1.03801	-3.11403	SLO 7	-0.63489	-1.90467
4866	SLO 9	-1.05026	-3.15077	SLO 7	-0.62859	-1.88576
4867	SLO 9	-1.06281	-3.18842	SLO 7	-0.62026	-1.86078
4868	SLO 9	-1.07575	-3.22726	SLO 7	-0.60999	-1.82997
4869	SLO 9	-1.08933	-3.268	SLO 7	-0.59801	-1.79403
4870	SLO 9	-1.10379	-3.31138	SLO 7	-0.58463	-1.75388
4871	SLO 9	-1.11927	-3.3578	SLO 7	-0.57014	-1.71042
4872	SLO 9	-1.1357	-3.4071	SLO 7	-0.55483	-1.66448
4873	SLO 9	-1.15284	-3.45853	SLO 7	-0.53894	-1.61682
4874	SLO 9	-1.17035	-3.51105	SLO 7	-0.52274	-1.56823
4875	SLO 9	-1.14123	-3.4237	SLO 7	-0.53896	-1.61689
4876	SLO 9	-1.11215	-3.33646	SLO 7	-0.55537	-1.66611
4877	SLO 9	-1.0832	-3.24959	SLO 7	-0.57209	-1.71626
4878	SLO 9	-1.05446	-3.16337	SLO 7	-0.58914	-1.76742
4879	SLO 9	-1.02594	-3.07783	SLO 7	-0.60646	-1.81938
4880	SLO 13	-1.00175	-3.00525	SLO 3	-0.61973	-1.8592
4881	SLO 13	-0.9842	-2.9526	SLO 3	-0.62636	-1.87907
4882	SLO 13	-0.96705	-2.90114	SLO 3	-0.63235	-1.89705
4883	SLO 13	-0.95031	-2.85092	SLO 3	-0.6376	-1.9128
4884	SLO 13	-0.93404	-2.80213	SLO 3	-0.64208	-1.92623
4885	SLO 13	-0.88239	-2.64718	SLO 3	-0.60546	-1.81638
4886	SLO 9	-0.83203	-2.49608	SLO 7	-0.56802	-1.70405
4887	SLO 9	-0.80721	-2.42164	SLO 7	-0.50589	-1.51768
4888	SLO 9	-0.78372	-2.35116	SLO 7	-0.44351	-1.33054
4889	SLO 9	-0.76163	-2.2849	SLO 7	-0.38076	-1.14228
4890	SLO 9	-0.74096	-2.22289	SLO 7	-0.31738	-0.95215

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
4891	SLO 9	-0.72167	-2.165	SLO 7	-0.25308	-0.75923
4892	SLO 13	-0.91784	-2.75353	SLO 3	-0.64615	-1.93846
4893	SLO 9	-0.69269	-2.07806	SLO 7	-0.28148	-0.84444
4894	SLO 13	-0.90228	-2.70683	SLO 3	-0.64912	-1.94737
4895	SLO 9	-0.66359	-1.99078	SLO 7	-0.30986	-0.92958
4896	SLO 15	-0.88998	-2.66993	SLO 1	-0.64822	-1.94467
4897	SLO 9	-0.63432	-1.90297	SLO 7	-0.33818	-1.01454
4898	SLO 15	-0.88514	-2.65541	SLO 1	-0.63935	-1.91804
4899	SLO 9	-0.60486	-1.81459	SLO 7	-0.36641	-1.09924
4900	SLO 15	-0.88108	-2.64324	SLO 1	-0.62933	-1.888
4901	SLO 9	-0.57523	-1.7257	SLO 7	-0.39453	-1.18359
4902	SLO 15	-0.87688	-2.63063	SLO 1	-0.61926	-1.85777
4903	SLO 9	-0.54549	-1.63648	SLO 7	-0.4225	-1.2675
4904	SLO 15	-0.87234	-2.61702	SLO 1	-0.60937	-1.8281
4905	SLO 9	-0.51579	-1.54737	SLO 7	-0.45022	-1.35065
4906	SLO 15	-0.86733	-2.60198	SLO 1	-0.59981	-1.79944
4907	SLE RA 2	-0.49545	-1.48635	SLE RA 8	-0.46111	-1.38334
4908	SLO 15	-0.86179	-2.58537	SLO 1	-0.59071	-1.77213
4909	SLO 11	-0.50689	-1.52067	SLO 5	-0.4547	-1.36409
4910	SLO 11	-0.86408	-2.59224	SLO 5	-0.57387	-1.72162
4911	SLO 11	-0.53437	-1.60311	SLO 5	-0.4249	-1.27471
4912	SLO 11	-0.86693	-2.6008	SLO 5	-0.55683	-1.67049
4913	SLO 7	-0.56196	-1.68587	SLO 9	-0.39501	-1.18503
4914	SLO 11	-0.86904	-2.60712	SLO 5	-0.54114	-1.62342
4915	SLO 7	-0.58955	-1.76865	SLO 9	-0.36517	-1.09552
4916	SLO 11	-0.8707	-2.6121	SLO 5	-0.52663	-1.5799
4917	SLO 7	-0.61712	-1.85137	SLO 9	-0.33546	-1.00639
4918	SLO 11	-0.87218	-2.61653	SLO 5	-0.51299	-1.53897
4919	SLO 7	-0.64467	-1.93401	SLO 9	-0.30591	-0.91772
4920	SLO 11	-0.87363	-2.62088	SLO 5	-0.49978	-1.49935
4921	SLO 7	-0.67219	-2.01657	SLO 9	-0.27651	-0.82954
4924	SLO 11	-0.83873	-2.51618	SLO 5	-0.54062	-1.62187
4925	SLO 11	-0.81357	-2.4407	SLO 5	-0.50329	-1.50986
4926	SLO 11	-0.78945	-2.36835	SLO 5	-0.46501	-1.39503
4930	SLO 11	-0.76776	-2.30328	SLO 5	-0.42548	-1.27645
4931	SLO 11	-0.74704	-2.24113	SLO 5	-0.3843	-1.15289
4932	SLO 11	-0.729	-2.187	SLO 5	-0.34069	-1.02208
4933	SLO 11	-0.71351	-2.14052	SLO 5	-0.29474	-0.88423
4934	SLO 7	-0.6997	-2.09909	SLO 9	-0.24724	-0.74171
6403	SLO 13	-1.13622	-3.40865	SLO 3	-0.62604	-1.87812
6409	SLO 13	-0.87083	-2.61249	SLO 3	-0.69423	-2.08269
6410	SLO 13	-0.97349	-2.92048	SLO 3	-0.64946	-1.94837
6411	SLO 5	-0.81196	-2.43587	SLO 11	-0.72769	-2.18307
6515	SLO 13	-1.07113	-3.2134	SLO 3	-0.7206	-2.1618
6520	SLO 13	-0.72963	-2.18888	SLO 3	-0.64798	-1.94393
6521	SLO 13	-0.82331	-2.46993	SLO 3	-0.65712	-1.97136
6522	SLO 13	-0.91853	-2.75559	SLO 3	-0.67766	-2.03298
6525	SLE RA 3	-0.68608	-2.05825	SLE RA 1	-0.62619	-1.87858
6774	SLO 5	-0.95887	-2.8766	SLO 11	-0.61307	-1.83921
6777	SLO 9	-0.96999	-2.90998	SLO 7	-0.61478	-1.84434
6871	SLO 5	-0.86239	-2.58718	SLO 11	-0.60495	-1.81484
6872	SLO 9	-0.87059	-2.61178	SLO 7	-0.59996	-1.79989
6899	SLO 5	-0.80154	-2.40461	SLO 11	-0.60563	-1.81689
6900	SLO 9	-0.80513	-2.41539	SLO 7	-0.59525	-1.78576
6971	SLO 5	-0.73545	-2.20634	SLO 11	-0.61195	-1.83586
6972	SLO 9	-0.73141	-2.19424	SLO 7	-0.5955	-1.78651
6995	SLO 5	-0.6921	-2.07631	SLE RA 1	-0.61621	-1.84862
6996	SLO 9	-0.68054	-2.04163	SLO 7	-0.59863	-1.79588
7032	SLO 15	-0.80422	-2.41267	SLO 1	-0.67018	-2.01054
7033	SLO 3	-0.81671	-2.45014	SLO 13	-0.71723	-2.15168
7034	SLE RA 3	-0.68078	-2.04235	SLE RA 1	-0.6125	-1.8375
7035	SLE RA 3	-0.6603	-1.98089	SLE RA 1	-0.5908	-1.77241
7039	SLO 3	-0.77548	-2.32645	SLE RA 1	-0.69688	-2.09065
7040	SLE RA 3	-0.71217	-2.13652	SLE RA 1	-0.64269	-1.92808
7041	SLE RA 3	-0.68376	-2.05128	SLE RA 1	-0.61098	-1.83293
7042	SLE RA 3	-0.70936	-2.12808	SLE RA 1	-0.63027	-1.8908
7043	SLE RA 3	-0.71593	-2.1478	SLE RA 1	-0.63475	-1.90424
7044	SLE RA 3	-0.70463	-2.11388	SLE RA 1	-0.6256	-1.8768
7045	SLE RA 3	-0.67238	-2.01714	SLE RA 1	-0.59946	-1.79838
7046	SLE RA 3	-0.68088	-2.04264	SLE RA 1	-0.60779	-1.82337
7047	SLE RA 3	-0.72469	-2.17406	SLE RA 1	-0.64531	-1.93593
7048	SLO 15	-0.76283	-2.28848	SLE RA 1	-0.67032	-2.01095
7049	SLO 15	-0.85503	-2.56508	SLO 1	-0.65085	-1.95255
7050	SLO 15	-0.94139	-2.82416	SLO 1	-0.62953	-1.8886
7053	SLE RA 3	-0.6807	-2.0421	SLE RA 1	-0.61256	-1.83768
7054	SLE RA 3	-0.65978	-1.97935	SLE RA 1	-0.59048	-1.77144
7086	SLO 7	-0.71659	-2.14978	SLO 9	-0.60264	-1.80793
7087	SLO 11	-0.69429	-2.08287	SLO 5	-0.56765	-1.70295
7155	SLO 7	-0.82768	-2.48304	SLO 9	-0.56534	-1.69601
7179	SLO 11	-0.80063	-2.4019	SLO 5	-0.51829	-1.55486

Cedimenti fondazioni superficiali

***Nodo**: nodo che interagisce col terreno.*
***Ind.**: indice del nodo.*
***spostamento nodale massimo**: situazione in cui si verifica lo spostamento massimo verticale nel nodo calcolato dal solutore ad elementi finiti. Lo spostamento massimo con segno è quello con valore massimo lungo l'asse Z, dove valori positivi rappresentano spostamenti verso l'alto.*
***Cont.**: nome breve della condizione o combinazione di carico a cui si riferisce lo spostamento.*
***uz**: spostamento verticale del nodo calcolato dal solutore ad elementi finiti. Lo spostamento è dotato di segno. [cm]*
***Press.**: pressione sul terreno corrispondente allo spostamento. Valori positivi indicano trazione, valori negativi indicano compressione. [daN/cm²]*
***spostamento nodale minimo**: situazione in cui si verifica lo spostamento minimo verticale del nodo calcolato dal solutore ad elementi finiti. Lo spostamento minimo con segno è quello con valore minimo lungo l'asse Z, dove valori negativi rappresentano spostamenti verso il basso.*
***Cont.**: nome breve della condizione o combinazione di carico a cui si riferisce lo spostamento.*
***uz**: spostamento verticale del nodo calcolato dal solutore ad elementi finiti. Lo spostamento è dotato di segno. [cm]*

***Press.**: pressione sul terreno corrispondente allo spostamento. Valori positivi indicano trazione, valori negativi indicano compressione. [daN/cm²]*

Nodo	spostamento nodale massimo			spostamento nodale minimo		
Ind.	Cont.	uz	Press.	Cont.	uz	Press.
2	SLO 11	-0.6042	-1.81261	SLO 5	-0.94137	-2.82412
3	SLO 11	-0.61421	-1.84263	SLO 5	-0.94791	-2.84373
4	SLO 11	-0.62419	-1.87258	SLO 5	-0.9545	-2.86351
5	SLO 11	-0.63414	-1.90242	SLO 5	-0.96111	-2.88332
6	SLO 11	-0.64401	-1.93203	SLO 5	-0.96765	-2.90296
7	SLO 11	-0.65374	-1.96121	SLO 5	-0.97407	-2.92221
8	SLO 11	-0.66323	-1.98968	SLO 5	-0.98029	-2.94088
9	SLO 11	-0.67238	-2.01714	SLO 5	-0.98631	-2.95892
10	SLO 11	-0.68097	-2.04291	SLO 5	-0.99222	-2.97667
11	SLO 7	-0.68803	-2.0641	SLO 9	-0.99896	-2.99688
12	SLO 7	-0.69102	-2.07305	SLO 9	-1.00907	-3.0272
13	SLO 7	-0.69165	-2.07496	SLO 9	-1.02085	-3.06256
14	SLO 7	-0.69161	-2.07482	SLO 9	-1.03277	-3.0983
15	SLO 7	-0.69122	-2.07365	SLO 9	-1.0446	-3.1338
16	SLO 7	-0.69063	-2.07189	SLO 9	-1.05638	-3.16913
17	SLO 7	-0.68995	-2.06985	SLO 9	-1.06815	-3.20445
18	SLO 7	-0.69035	-2.07106	SLO 9	-1.05536	-3.16607
19	SLO 11	-0.59243	-1.77728	SLO 5	-0.91164	-2.73493
20	SLO 7	-0.69085	-2.07254	SLO 9	-1.04265	-3.12794
21	SLO 11	-0.58068	-1.74204	SLO 5	-0.88198	-2.64593
22	SLO 7	-0.6915	-2.0745	SLO 9	-1.03007	-3.09021
23	SLO 11	-0.56898	-1.70693	SLO 5	-0.85242	-2.55726
24	SLO 7	-0.69237	-2.07711	SLO 9	-1.01765	-3.05296
25	SLO 11	-0.55732	-1.67196	SLO 5	-0.82304	-2.46911
26	SLO 7	-0.69348	-2.08045	SLO 9	-1.00543	-3.01629
27	SLO 11	-0.54574	-1.63722	SLO 5	-0.79396	-2.38189
28	SLO 7	-0.69486	-2.08458	SLO 9	-0.99341	-2.98023
29	SLO 11	-0.53432	-1.60297	SLO 5	-0.76546	-2.29639
30	SLO 7	-0.69649	-2.08948	SLO 9	-0.98161	-2.94482
31	SLO 11	-0.52325	-1.56976	SLO 5	-0.73799	-2.21398
32	SLO 7	-0.69836	-2.09508	SLO 9	-0.97001	-2.91003
33	SLO 11	-0.51287	-1.5386	SLO 5	-0.71226	-2.13679
34	SLO 7	-0.70041	-2.10123	SLO 9	-0.95859	-2.87576
35	SLO 11	-0.50357	-1.5107	SLO 5	-0.68906	-2.06718
36	SLO 11	-0.52773	-1.5832	SLO 5	-0.70542	-2.11627
37	SLO 11	-0.55263	-1.65789	SLO 5	-0.72255	-2.16766
38	SLO 11	-0.57626	-1.72878	SLO 5	-0.73931	-2.21793
39	SLO 11	-0.59837	-1.79511	SLO 5	-0.75565	-2.26695
40	SLO 11	-0.62507	-1.8752	SLO 5	-0.7767	-2.33009
41	SLO 7	-0.64622	-1.93867	SLO 9	-0.7988	-2.39639
42	SLO 7	-0.65717	-1.97152	SLO 9	-0.81815	-2.45444
43	SLO 7	-0.66629	-1.99888	SLO 9	-0.83735	-2.51205
44	SLO 7	-0.6741	-2.0223	SLO 9	-0.85614	-2.56843
45	SLO 7	-0.68088	-2.04265	SLO 9	-0.87461	-2.62382
46	SLO 7	-0.6869	-2.06069	SLO 9	-0.89286	-2.67859
47	SLO 7	-0.69238	-2.07713	SLO 9	-0.91101	-2.73303
48	SLO 7	-0.69754	-2.09262	SLO 9	-0.92914	-2.78741
49	SLO 7	-0.70256	-2.10768	SLO 9	-0.94728	-2.84183
50	SLO 7	-0.64291	-1.92873	SLO 9	-0.79137	-2.37412
51	SLO 11	-0.49483	-1.48449	SLO 5	-0.66675	-2.00026
52	SLO 7	-0.63944	-1.91832	SLO 9	-0.78421	-2.35264
53	SLO 15	-0.40303	-1.2091	SLO 1	-0.61584	-1.84753
54	SLO 11	-0.48814	-1.46443	SLO 5	-0.64714	-1.94141
55	SLO 7	-0.63591	-1.90773	SLO 9	-0.7773	-2.3319
56	SLO 11	-0.48449	-1.45347	SLO 5	-0.63228	-1.89684
57	SLO 7	-0.63196	-1.89589	SLO 9	-0.77006	-2.31018
59	SLO 15	-0.32054	-0.96161	SLO 1	-0.59401	-1.78204
60	SLO 11	-0.4837	-1.45109	SLO 5	-0.62165	-1.86494
61	SLO 7	-0.62844	-1.88532	SLO 9	-0.76363	-2.29088
63	SLO 11	-0.48539	-1.45617	SLO 5	-0.6144	-1.84321
64	SLO 7	-0.62499	-1.87497	SLO 9	-0.75747	-2.2724
66	SLO 15	-0.26452	-0.79357	SLO 1	-0.62081	-1.86243
67	SLO 11	-0.48834	-1.46503	SLO 5	-0.60998	-1.82995
68	SLO 11	-0.51599	-1.54797	SLO 5	-0.63165	-1.89496
70	SLO 11	-0.54519	-1.63557	SLO 5	-0.65569	-1.96706
71	SLO 7	-0.5679	-1.7037	SLO 9	-0.67834	-2.03503
72	SLO 7	-0.58663	-1.75989	SLO 9	-0.70332	-2.10995
73	SLO 7	-0.60461	-1.81382	SLO 9	-0.72803	-2.18409
74	SLO 7	-0.62159	-1.86477	SLO 9	-0.75149	-2.25446
75	SLO 7	-0.62237	-1.86711	SLO 9	-0.75256	-2.25769
76	SLO 15	-0.26774	-0.80322	SLO 1	-0.61618	-1.84855
77	SLO 15	-0.36763	-1.10288	SLO 1	-0.56623	-1.69869
78	SLO 11	-0.48907	-1.46722	SLO 5	-0.60904	-1.82711
79	SLO 11	-0.51927	-1.5578	SLO 5	-0.62748	-1.88245
81	SLO 11	-0.52258	-1.56774	SLO 5	-0.62334	-1.87003
83	SLO 11	-0.52568	-1.57704	SLO 5	-0.61903	-1.85709
85	SLO 15	-0.27791	-0.83374	SLO 1	-0.5861	-1.75831
86	SLO 11	-0.52839	-1.58517	SLO 5	-0.61445	-1.84336
88	SLO 11	-0.53057	-1.5917	SLO 5	-0.60969	-1.82908
90	SLO 7	-0.53201	-1.59603	SLO 9	-0.60505	-1.81514
92	SLO 7	-0.53277	-1.59832	SLO 9	-0.60071	-1.80213
94	SLO 15	-0.29806	-0.89418	SLO 1	-0.55654	-1.66961
95	SLO 15	-0.35344	-1.06033	SLO 1	-0.52363	-1.5709
96	SLO 15	-0.4436	-1.33081	SLO 1	-0.52836	-1.58509
97	SLO 7	-0.53332	-1.59995	SLO 9	-0.59662	-1.78985
98	SLO 7	-0.53626	-1.60878	SLO 9	-0.60057	-1.8017
99	SLO 7	-0.53392	-1.60176	SLO 9	-0.59293	-1.7788
101	SLO 7	-0.53453	-1.60358	SLO 9	-0.58946	-1.76838
103	SLE RA 1	-0.53478	-1.60434	SLO 9	-0.5861	-1.75831
105	SLO 15	-0.31466	-0.94398	SLO 1	-0.53271	-1.59812
106	SLE RA 1	-0.5333	-1.59989	SLO 9	-0.58285	-1.74854
108	SLE RA 1	-0.53183	-1.59548	SLO 9	-0.57972	-1.73917
110	SLE RA 1	-0.53045	-1.59134	SLO 9	-0.57683	-1.7305
112	SLO 15	-0.33613	-1.0084	SLO 1	-0.51263	-1.53789
113	SLO 15	-0.3789	-1.13669	SLO 1	-0.48925	-1.46776
114	SLE RA 1	-0.45624	-1.36872	SLO 1	-0.50123	-1.50368
115	SLE RA 1	-0.5293	-1.58791	SLO 9	-0.57433	-1.723
116	SLE RA 1	-0.53249	-1.59747	SLO 9	-0.57812	-1.73437

Nodo	spostamento nodale massimo			spostamento nodale minimo		
Ind.	Cont.	uz	Press.	Cont.	uz	Press.
117	SLE RA 1	-0.52851	-1.58553	SLE RA 3	-0.57358	-1.72074
119	SLE RA 1	-0.52798	-1.58393	SLE RA 3	-0.57319	-1.71957
121	SLE RA 1	-0.52757	-1.5827	SLE RA 3	-0.57292	-1.71877
123	SLO 15	-0.36241	-1.08724	SLO 1	-0.49449	-1.48346
124	SLE RA 1	-0.5272	-1.58159	SLE RA 3	-0.5727	-1.7181
126	SLE RA 1	-0.52685	-1.58056	SLE RA 3	-0.57249	-1.71747
128	SLE RA 1	-0.52656	-1.57968	SLE RA 3	-0.57233	-1.71699
130	SLO 15	-0.40152	-1.20456	SLO 1	-0.5032	-1.50961
131	SLO 11	-0.23173	-0.6952	SLO 5	-0.3758	-1.12741
132	SLO 15	-0.29892	-0.89677	SLO 1	-0.3971	-1.1913
133	SLO 11	-0.21597	-0.64792	SLO 5	-0.49227	-1.4768
134	SLO 11	-0.21619	-0.64856	SLO 5	-0.41739	-1.25217
135	SLO 11	-0.25882	-0.77646	SLO 5	-0.36097	-1.0829
136	SLO 15	-0.34719	-1.04157	SLO 1	-0.4545	-1.36351
137	SLO 15	-0.43805	-1.31416	SLO 1	-0.51064	-1.53192
138	SLE RA 1	-0.47708	-1.43125	SLE RA 3	-0.52303	-1.5691
139	SLE RA 1	-0.52641	-1.57923	SLO 13	-0.57241	-1.71723
140	SLE RA 1	-0.52859	-1.58577	SLO 13	-0.57577	-1.72731
141	SLE RA 1	-0.52649	-1.57946	SLO 13	-0.57283	-1.7185
143	SLE RA 1	-0.52669	-1.58007	SLO 13	-0.57338	-1.72015
145	SLE RA 1	-0.5269	-1.58069	SLO 13	-0.5739	-1.7217
147	SLO 15	-0.45017	-1.35051	SLO 1	-0.543	-1.62901
148	SLO 15	-0.28153	-0.84459	SLO 1	-0.4915	-1.47449
149	SLO 11	-0.17566	-0.52698	SLO 5	-0.26586	-0.79759
150	SLO 15	-0.2223	-0.66691	SLO 1	-0.28561	-0.85683
151	SLE RA 1	-0.52705	-1.58116	SLO 13	-0.57429	-1.72288
153	SLE RA 1	-0.52717	-1.58151	SLO 13	-0.57455	-1.72366
155	SLE RA 1	-0.52731	-1.58194	SLO 13	-0.57474	-1.72422
157	SLO 15	-0.3263	-0.97889	SLO 1	-0.50723	-1.5217
158	SLO 15	-0.49553	-1.48658	SLO 1	-0.59341	-1.78024
159	SLE RA 1	-0.48198	-1.44594	SLO 1	-0.54071	-1.62213
160	SLE RA 1	-0.48916	-1.46748	SLE RA 3	-0.53911	-1.61733
161	SLE RA 1	-0.52763	-1.58289	SLO 13	-0.575	-1.72501
162	SLE RA 1	-0.52944	-1.58832	SLO 13	-0.57763	-1.73288
163	SLO 11	-0.13585	-0.40755	SLO 5	-0.18932	-0.56797
164	SLO 15	-0.17049	-0.51148	SLO 1	-0.20996	-0.62987
165	SLE RA 1	-0.52824	-1.58473	SLO 13	-0.5755	-1.7265
167	SLE RA 1	-0.52901	-1.58703	SLO 15	-0.5762	-1.7286
169	SLE RA 1	-0.52978	-1.58934	SLE RA 3	-0.57711	-1.73133
171	SLO 15	-0.51332	-1.53995	SLO 1	-0.61212	-1.83635
172	SLO 15	-0.34335	-1.03005	SLO 1	-0.50462	-1.51385
173	SLO 11	-0.12823	-0.3847	SLO 5	-0.16197	-0.48592
174	SLO 11	-0.15813	-0.4744	SLO 5	-0.19289	-0.57867
175	SLE RA 1	-0.53047	-1.59141	SLE RA 3	-0.57799	-1.73396
177	SLE RA 1	-0.53107	-1.59322	SLE RA 3	-0.57878	-1.73633
179	SLE RA 1	-0.53166	-1.59498	SLE RA 3	-0.57955	-1.73866
181	SLO 15	-0.50367	-1.51101	SLO 1	-0.59535	-1.78605
182	SLE RA 1	-0.4862	-1.4586	SLE RA 3	-0.54429	-1.63288
183	SLE RA 1	-0.49356	-1.48068	SLE RA 3	-0.54479	-1.63437
184	SLE RA 1	-0.53236	-1.59707	SLE RA 3	-0.58046	-1.74139
185	SLE RA 1	-0.53418	-1.60254	SLO 15	-0.58264	-1.74793
186	SLO 13	-0.32078	-0.96233	SLO 3	-0.49448	-1.48344
187	SLO 15	-0.15033	-0.45098	SLO 1	-0.18577	-0.55731
188	SLO 11	-0.18811	-0.56434	SLO 5	-0.22891	-0.68674
189	SLE RA 1	-0.53335	-1.60005	SLE RA 3	-0.58172	-1.74515
191	SLE RA 1	-0.53444	-1.60331	SLE RA 3	-0.58308	-1.74923
193	SLE RA 1	-0.53542	-1.60627	SLE RA 3	-0.58434	-1.75301
195	SLO 15	-0.46319	-1.38957	SLO 1	-0.54005	-1.62015
196	SLO 13	-0.26232	-0.78696	SLO 3	-0.46477	-1.3943
197	SLO 13	-0.18959	-0.56877	SLO 3	-0.24512	-0.73535
198	SLO 15	-0.24226	-0.72679	SLO 1	-0.29752	-0.89256
199	SLE RA 1	-0.5362	-1.60861	SLE RA 3	-0.58537	-1.75611
201	SLE RA 1	-0.53674	-1.61022	SLO 11	-0.5878	-1.76341
203	SLE RA 1	-0.53707	-1.61121	SLO 11	-0.59017	-1.77052
205	SLE RA 1	-0.52047	-1.5614	SLO 11	-0.57106	-1.71317
207	SLE RA 1	-0.5373	-1.6119	SLO 11	-0.59249	-1.77746
208	SLE RA 1	-0.53917	-1.61752	SLO 11	-0.59487	-1.7846
209	SLO 5	-0.55259	-1.65778	SLO 11	-0.61336	-1.84007
210	SLO 5	-0.56436	-1.69309	SLO 11	-0.63089	-1.89266
211	SLO 5	-0.57629	-1.72887	SLO 11	-0.64782	-1.94345
212	SLO 1	-0.58707	-1.76121	SLO 15	-0.66553	-1.99658
213	SLO 1	-0.59785	-1.79354	SLO 15	-0.68293	-2.04878
214	SLO 1	-0.60844	-1.82533	SLO 15	-0.69983	-2.09949
215	SLO 1	-0.61872	-1.85615	SLO 15	-0.71612	-2.14836
216	SLO 1	-0.62858	-1.88575	SLO 15	-0.73172	-2.19517
217	SLO 1	-0.63801	-1.91404	SLO 15	-0.74661	-2.23982
218	SLO 1	-0.64702	-1.94105	SLO 15	-0.76076	-2.28229
219	SLO 1	-0.65564	-1.96691	SLO 15	-0.77423	-2.32269
220	SLO 1	-0.66395	-1.99184	SLO 15	-0.78707	-2.3612
221	SLO 1	-0.67205	-2.01614	SLO 15	-0.79937	-2.39811
222	SLO 1	-0.68004	-2.04012	SLO 15	-0.81126	-2.43379
223	SLO 1	-0.68804	-2.06413	SLO 15	-0.8229	-2.46869
224	SLO 1	-0.69616	-2.08848	SLO 15	-0.83444	-2.50331
225	SLO 1	-0.70448	-2.11343	SLO 15	-0.84606	-2.53817
226	SLO 1	-0.71173	-2.1352	SLO 15	-0.85609	-2.56826
227	SLO 1	-0.71306	-2.13917	SLO 15	-0.85791	-2.57373
228	SLO 13	-0.21492	-0.64477	SLO 3	-0.31018	-0.93054
229	SLO 15	-0.28294	-0.84881	SLO 1	-0.35411	-1.06232
230	SLO 15	-0.42511	-1.27534	SLO 1	-0.49235	-1.47706
231	SLO 13	-0.19546	-0.58639	SLO 3	-0.43846	-1.31538
232	SLO 13	-0.20017	-0.60051	SLO 3	-0.35553	-1.0666
233	SLO 13	-0.23713	-0.7114	SLO 3	-0.30465	-0.91394
234	SLO 15	-0.34987	-1.04961	SLO 1	-0.42831	-1.28492
235	SLE RA 1	-0.46071	-1.38212	SLE RA 3	-0.51069	-1.53207
236	SLE RA 1	-0.49324	-1.47972	SLE RA 3	-0.54192	-1.62575
237	SLE RA 1	-0.53919	-1.61756	SLO 11	-0.59501	-1.78504
238	SLE RA 1	-0.52072	-1.56215	SLO 11	-0.57321	-1.71964
240	SLO 1	-0.71067	-2.13201	SLO 15	-0.84739	-2.54216
242	SLE RA 1	-0.52108	-1.56323	SLO 11	-0.57565	-1.72694
244	SLO 1	-0.70967	-2.12901	SLO 15	-0.83878	-2.51633

Nodo	spostamento nodale massimo			spostamento nodale minimo		
Ind.	Cont.	uz	Press.	Cont.	uz	Press.
246	SLE RA 1	-0.52148	-1.56445	SLO 11	-0.57823	-1.7347
248	SLO 1	-0.70877	-2.1263	SLO 15	-0.8303	-2.49091
250	SLO 5	-0.51967	-1.55902	SLO 11	-0.58083	-1.7425
252	SLO 1	-0.70797	-2.12392	SLO 15	-0.82201	-2.46603
254	SLE RA 1	-0.55361	-1.66084	SLO 11	-0.61942	-1.85825
255	SLO 9	-0.20358	-0.61074	SLO 7	-0.3602	-1.08059
256	SLO 13	-0.27058	-0.81173	SLO 3	-0.38349	-1.15048
257	SLO 13	-0.40211	-1.20634	SLO 3	-0.47765	-1.43294
258	SLO 5	-0.51777	-1.55331	SLO 11	-0.58326	-1.74977
260	SLO 1	-0.7073	-2.12189	SLO 15	-0.81394	-2.44183
262	SLO 5	-0.51584	-1.54753	SLO 11	-0.58526	-1.75578
264	SLO 1	-0.70674	-2.12023	SLO 15	-0.80616	-2.41847
266	SLO 5	-0.51386	-1.54157	SLO 11	-0.58652	-1.75956
268	SLO 1	-0.70633	-2.11899	SLO 15	-0.79874	-2.39623
270	SLO 5	-0.5117	-1.53511	SLO 11	-0.58665	-1.75994
272	SLO 1	-0.70612	-2.11835	SLO 15	-0.79183	-2.37549
273	SLO 1	-0.71324	-2.13973	SLO 15	-0.79944	-2.39831
274	SLE RA 1	-0.5329	-1.59871	SLO 11	-0.60112	-1.80337
275	SLO 13	-0.39333	-1.17998	SLO 3	-0.50423	-1.5127
277	SLO 1	-0.70612	-2.11836	SLO 15	-0.78643	-2.35928
278	SLO 1	-0.71314	-2.13941	SLO 15	-0.79391	-2.38174
279	SLO 9	-0.15406	-0.46218	SLO 7	-0.42588	-1.27763
280	SLO 9	-0.18996	-0.56989	SLO 7	-0.41551	-1.24654
281	SLO 13	-0.24129	-0.72388	SLO 3	-0.44129	-1.32388
282	SLO 13	-0.39986	-1.19959	SLO 3	-0.50477	-1.51432
283	SLO 9	-0.44665	-1.33996	SLO 7	-0.52606	-1.57817
284	SLO 5	-0.50925	-1.52775	SLO 11	-0.58526	-1.75579
286	SLO 5	-0.51323	-1.5397	SLO 11	-0.59022	-1.77065
287	SLO 1	-0.70623	-2.1187	SLO 15	-0.78128	-2.34384
288	SLO 1	-0.71314	-2.13943	SLO 15	-0.78864	-2.36593
289	SLO 5	-0.50616	-1.51848	SLO 11	-0.58276	-1.74829
291	SLO 1	-0.71335	-2.14004	SLO 15	-0.78237	-2.34712
292	SLO 5	-0.50265	-1.50796	SLO 11	-0.57888	-1.73663
294	SLO 5	-0.52731	-1.58194	SLO 11	-0.59597	-1.78791
295	SLE RA 1	-0.71202	-2.13607	SLO 15	-0.77671	-2.33013
296	SLO 5	-0.49944	-1.49831	SLO 11	-0.57403	-1.72208
299	SLO 9	-0.22397	-0.6719	SLO 7	-0.53786	-1.61359
300	SLO 9	-0.35692	-1.07075	SLO 7	-0.54012	-1.62037
301	SLE RA 1	-0.70967	-2.129	SLO 15	-0.77153	-2.31459
302	SLO 5	-0.49748	-1.49245	SLO 11	-0.56988	-1.70964
304	SLO 9	-0.29499	-0.88498	SLO 7	-0.46479	-1.39438
305	SLO 15	-0.13166	-0.39498	SLO 1	-0.1965	-0.58949
306	SLO 5	-0.49617	-1.48852	SLO 11	-0.56575	-1.69725
308	SLE RA 1	-0.70747	-2.1224	SLO 15	-0.76675	-2.30024
309	SLO 9	-0.28298	-0.84895	SLO 7	-0.45267	-1.358
310	SLO 9	-0.22033	-0.661	SLO 7	-0.2914	-0.87421
311	SLO 15	-0.12758	-0.38274	SLO 1	-0.18935	-0.56806
312	SLO 9	-0.49479	-1.48437	SLO 7	-0.56265	-1.68796
314	SLE RA 1	-0.70542	-2.11627	SLE RA 3	-0.76314	-2.28941
315	SLO 9	-0.49333	-1.47999	SLO 7	-0.56115	-1.68344
317	SLO 9	-0.49249	-1.47747	SLO 7	-0.5599	-1.6797
319	SLO 9	-0.50635	-1.51904	SLO 7	-0.56582	-1.69745
320	SLO 9	-0.50788	-1.52364	SLO 7	-0.56648	-1.69944
321	SLO 9	-0.51931	-1.55794	SLO 7	-0.57231	-1.71693
322	SLE RA 1	-0.52794	-1.58383	SLO 11	-0.5801	-1.74029
323	SLE RA 1	-0.53635	-1.60904	SLO 11	-0.58896	-1.76688
324	SLE RA 1	-0.54561	-1.63683	SLO 11	-0.5989	-1.79669
325	SLE RA 1	-0.55538	-1.66613	SLO 11	-0.60942	-1.82825
326	SLE RA 1	-0.56544	-1.69633	SLO 11	-0.62025	-1.86076
327	SLE RA 1	-0.57565	-1.72694	SLO 11	-0.63119	-1.89356
328	SLE RA 1	-0.58586	-1.75759	SLO 11	-0.64206	-1.92618
329	SLE RA 1	-0.59604	-1.78811	SLO 15	-0.65371	-1.96113
330	SLE RA 1	-0.60617	-1.8185	SLO 15	-0.66525	-1.99575
331	SLE RA 1	-0.61507	-1.84522	SLO 15	-0.67506	-2.02518
332	SLE RA 1	-0.62432	-1.87297	SLO 15	-0.68472	-2.05416
333	SLE RA 1	-0.63636	-1.90909	SLO 15	-0.69662	-2.08987
334	SLE RA 1	-0.64971	-1.94914	SLO 15	-0.70925	-2.12774
335	SLE RA 1	-0.66448	-1.99343	SLO 15	-0.72283	-2.1685
336	SLE RA 1	-0.67702	-2.03105	SLO 15	-0.73422	-2.20267
337	SLE RA 1	-0.69013	-2.07038	SLE RA 3	-0.74701	-2.24103
338	SLE RA 1	-0.70356	-2.11067	SLE RA 3	-0.76125	-2.28374
339	SLO 9	-0.2337	-0.70111	SLO 7	-0.39705	-1.19114
340	SLO 9	-0.2337	-0.7011	SLO 7	-0.39704	-1.19112
341	SLO 9	-0.26472	-0.79416	SLO 7	-0.41795	-1.25384
342	SLO 9	-0.41459	-1.24378	SLO 7	-0.51291	-1.53873
344	SLO 9	-0.50737	-1.52211	SLO 7	-0.56513	-1.69539
345	SLO 9	-0.50571	-1.51714	SLO 7	-0.56409	-1.69226
347	SLE RA 1	-0.70176	-2.10529	SLE RA 3	-0.75944	-2.27833
348	SLE RA 1	-0.6112	-1.83359	SLO 11	-0.67032	-2.01095
349	SLO 15	-0.10847	-0.32541	SLO 1	-0.15514	-0.46541
350	SLO 9	-0.50518	-1.51553	SLO 7	-0.56244	-1.68731
352	SLE RA 1	-0.69996	-2.09989	SLE RA 3	-0.75764	-2.27292
353	SLE RA 1	-0.61599	-1.84798	SLO 11	-0.67712	-2.03136
354	SLO 9	-0.50477	-1.51432	SLO 7	-0.56129	-1.68386
356	SLE RA 1	-0.69794	-2.09383	SLE RA 3	-0.7556	-2.26681
357	SLO 5	-0.61884	-1.85652	SLO 11	-0.68351	-2.05054
358	SLO 9	-0.5045	-1.51351	SLO 7	-0.56103	-1.6831
360	SLE RA 1	-0.6955	-2.08651	SLE RA 3	-0.7531	-2.2593
361	SLO 5	-0.62074	-1.86223	SLO 11	-0.68935	-2.06804
362	SLO 13	-0.50321	-1.50962	SLO 3	-0.56311	-1.68933
364	SLE RA 1	-0.69248	-2.07743	SLO 11	-0.75035	-2.25104
365	SLO 9	-0.15693	-0.4708	SLO 7	-0.29207	-0.87622
366	SLO 5	-0.62175	-1.86526	SLO 11	-0.69455	-2.08364
367	SLO 13	-0.09475	-0.28426	SLO 3	-0.13675	-0.41026
368	SLO 13	-0.50124	-1.50371	SLO 3	-0.56725	-1.70174
370	SLE RA 1	-0.68871	-2.06614	SLO 11	-0.74772	-2.24317
371	SLO 5	-0.62175	-1.86524	SLO 11	-0.69911	-2.09734
372	SLO 13	-0.49988	-1.49965	SLO 3	-0.57209	-1.71626
374	SLE RA 1	-0.68409	-2.05227	SLO 7	-0.74462	-2.23386
375	SLO 9	-0.62046	-1.86137	SLO 7	-0.7033	-2.1099

Nodo	spostamento nodale massimo			spostamento nodale minimo		
Ind.	Cont.	uz	Press.	Cont.	uz	Press.
376	SLO 13	-0.499	-1.49701	SLO 3	-0.57756	-1.73268
378	SLE RA 1	-0.67851	-2.03552	SLO 7	-0.74121	-2.22362
379	SLO 9	-0.61752	-1.85256	SLO 7	-0.70756	-2.12268
380	SLO 13	-0.49844	-1.49533	SLO 3	-0.58356	-1.75067
382	SLO 9	-0.67048	-2.01144	SLO 7	-0.73716	-2.21148
383	SLO 9	-0.61343	-1.8403	SLO 7	-0.7116	-2.13481
384	SLO 9	-0.08864	-0.26592	SLO 7	-0.14237	-0.42712
385	SLO 5	-0.09258	-0.27775	SLO 11	-0.21411	-0.64232
386	SLO 9	-0.09028	-0.27085	SLO 7	-0.17169	-0.51506
387	SLO 13	-0.49805	-1.49415	SLO 3	-0.58995	-1.76984
389	SLO 9	-0.6581	-1.9743	SLO 7	-0.7313	-2.19391
391	SLO 9	-0.65901	-1.97703	SLO 7	-0.73229	-2.19688
392	SLO 9	-0.65895	-1.97686	SLO 7	-0.73223	-2.1967
393	SLO 9	-0.66096	-1.98288	SLO 7	-0.73443	-2.20328
394	SLO 9	-0.66264	-1.98791	SLO 7	-0.73631	-2.20893
395	SLO 9	-0.66386	-1.99157	SLO 7	-0.73779	-2.21338
396	SLO 9	-0.66456	-1.99369	SLO 7	-0.73886	-2.21657
397	SLO 9	-0.66475	-1.99424	SLO 7	-0.73955	-2.21864
398	SLO 9	-0.66442	-1.99325	SLO 7	-0.73995	-2.21984
399	SLO 9	-0.66361	-1.99082	SLO 7	-0.74017	-2.2205
400	SLO 9	-0.66237	-1.9871	SLO 7	-0.74032	-2.22095
401	SLO 5	-0.6608	-1.9824	SLO 11	-0.74047	-2.2214
402	SLO 5	-0.65902	-1.97705	SLO 11	-0.74065	-2.22196
403	SLO 5	-0.65713	-1.97138	SLO 11	-0.7409	-2.22269
404	SLO 5	-0.6552	-1.9656	SLO 11	-0.74119	-2.22357
405	SLO 9	-0.60869	-1.82607	SLO 7	-0.7153	-2.14589
406	SLO 9	-0.08459	-0.25378	SLO 7	-0.14838	-0.44513
407	SLO 5	-0.07641	-0.22922	SLO 11	-0.19966	-0.59898
408	SLO 9	-0.65258	-1.95775	SLO 7	-0.72948	-2.18844
409	SLO 9	-0.65166	-1.95497	SLO 7	-0.72848	-2.18544
411	SLO 13	-0.49771	-1.49313	SLO 3	-0.59663	-1.78988
413	SLO 5	-0.64237	-1.9271	SLO 11	-0.73739	-2.21217
414	SLO 9	-0.64597	-1.9379	SLO 7	-0.72658	-2.17975
415	SLO 9	-0.64503	-1.9351	SLO 7	-0.72558	-2.17673
417	SLO 9	-0.60293	-1.80878	SLO 7	-0.71799	-2.15398
419	SLO 13	-0.49736	-1.49208	SLO 3	-0.60353	-1.81059
421	SLO 5	-0.62947	-1.88842	SLO 11	-0.7338	-2.2014
422	SLO 9	-0.63184	-1.89551	SLO 7	-0.71992	-2.15976
424	SLO 9	-0.5976	-1.79281	SLO 7	-0.72185	-2.16555
426	SLO 13	-0.49697	-1.49092	SLO 3	-0.61063	-1.83189
428	SLO 9	-0.61649	-1.84947	SLO 7	-0.73053	-2.19159
429	SLO 9	-0.61775	-1.85325	SLO 7	-0.71423	-2.14268
431	SLO 9	-0.59249	-1.77748	SLO 7	-0.72609	-2.17826
433	SLO 13	-0.49657	-1.48972	SLO 3	-0.61792	-1.85377
435	SLO 9	-0.60341	-1.81022	SLO 7	-0.72761	-2.18283
436	SLO 9	-0.60303	-1.80908	SLO 7	-0.70871	-2.12614
438	SLO 9	-0.58857	-1.76571	SLO 7	-0.72986	-2.18959
440	SLO 9	-0.59025	-1.77076	SLO 7	-0.72497	-2.17491
441	SLO 13	-0.4962	-1.48859	SLO 3	-0.62542	-1.87627
443	SLO 9	-0.58903	-1.76709	SLO 7	-0.70384	-2.11153
445	SLO 9	-0.58483	-1.75448	SLO 7	-0.7339	-2.20171
447	SLO 9	-0.57704	-1.73112	SLO 7	-0.7225	-2.1675
448	SLO 13	-0.49588	-1.48764	SLO 3	-0.63314	-1.89943
450	SLO 9	-0.57471	-1.72414	SLO 7	-0.69918	-2.09753
452	SLO 9	-0.58122	-1.74366	SLO 7	-0.73814	-2.21441
454	SLO 9	-0.56375	-1.69125	SLO 7	-0.72008	-2.16025
455	SLO 9	-0.56018	-1.68054	SLO 7	-0.69467	-2.08402
457	SLO 9	-0.49439	-1.48318	SLO 7	-0.64232	-1.92696
459	SLO 9	-0.57771	-1.73312	SLO 7	-0.74249	-2.22746
479	SLO 9	-0.54552	-1.63657	SLO 7	-0.69024	-2.07072
493	SLO 9	-0.55036	-1.65107	SLO 7	-0.71759	-2.15277
503	SLO 9	-0.53853	-1.61559	SLO 7	-0.71716	-2.15149
520	SLO 5	-0.52891	-1.58673	SLO 11	-0.69461	-2.08383
549	SLO 9	-0.49285	-1.47855	SLO 7	-0.65129	-1.95386
550	SLO 13	-0.50406	-1.51217	SLO 3	-0.64971	-1.94913
551	SLO 13	-0.50764	-1.52293	SLO 3	-0.64699	-1.94096
552	SLO 13	-0.51098	-1.53294	SLO 3	-0.6454	-1.93619
553	SLO 13	-0.51482	-1.54447	SLO 3	-0.64457	-1.9337
554	SLO 9	-0.51817	-1.55452	SLO 7	-0.64699	-1.94097
555	SLO 9	-0.52139	-1.56416	SLO 7	-0.6516	-1.95481
556	SLO 9	-0.52469	-1.57406	SLO 7	-0.65635	-1.96905
557	SLO 9	-0.52809	-1.58428	SLO 7	-0.66134	-1.98402
558	SLO 9	-0.53134	-1.59402	SLO 7	-0.66622	-1.99865
559	SLO 9	-0.53422	-1.60267	SLO 7	-0.67067	-2.01202
560	SLO 9	-0.57491	-1.72472	SLO 7	-0.74604	-2.23811
561	SLO 9	-0.53675	-1.61026	SLO 7	-0.67463	-2.0239
562	SLO 9	-0.53885	-1.61655	SLO 7	-0.67804	-2.03413
563	SLO 9	-0.54055	-1.62164	SLO 7	-0.68096	-2.04289
564	SLO 9	-0.54191	-1.62573	SLO 7	-0.68351	-2.05052
565	SLO 9	-0.543	-1.629	SLO 7	-0.68579	-2.05736
566	SLO 9	-0.54387	-1.63162	SLO 7	-0.68793	-2.06378
567	SLO 9	-0.54458	-1.63375	SLO 7	-0.69006	-2.07019
568	SLO 9	-0.5452	-1.63559	SLO 7	-0.69206	-2.07619
569	SLO 9	-0.54578	-1.63734	SLO 7	-0.69418	-2.08255
570	SLO 9	-0.54639	-1.63917	SLO 7	-0.69646	-2.08938
571	SLO 9	-0.54706	-1.64119	SLO 7	-0.69889	-2.09666
572	SLO 9	-0.5478	-1.6434	SLO 7	-0.70143	-2.1043
573	SLO 9	-0.54856	-1.64569	SLO 7	-0.70402	-2.11207
574	SLO 9	-0.54929	-1.64787	SLO 7	-0.70657	-2.11972
575	SLO 9	-0.54992	-1.64977	SLO 7	-0.709	-2.12699
576	SLO 9	-0.55039	-1.65117	SLO 7	-0.71123	-2.13368
577	SLO 9	-0.55063	-1.65189	SLO 7	-0.71321	-2.13962
578	SLO 9	-0.55059	-1.65177	SLO 7	-0.71491	-2.14472
579	SLO 9	-0.55022	-1.65065	SLO 7	-0.71631	-2.14892
580	SLO 9	-0.5495	-1.64851	SLO 7	-0.71743	-2.15228
581	SLO 9	-0.54864	-1.64592	SLO 7	-0.71841	-2.15523
582	SLO 9	-0.54751	-1.64252	SLO 7	-0.71915	-2.15746
583	SLO 9	-0.54617	-1.6385	SLO 7	-0.71965	-2.15895
584	SLO 9	-0.54471	-1.63414	SLO 7	-0.71993	-2.15979
585	SLO 9	-0.54324	-1.62971	SLO 7	-0.72	-2.16

Nodo	spostamento nodale massimo			spostamento nodale minimo		
Ind.	Cont.	uz	Press.	Cont.	uz	Press.
586	SLO 9	-0.54183	-1.62548	SLO 7	-0.71988	-2.15963
587	SLO 9	-0.54056	-1.62167	SLO 7	-0.71956	-2.15867
588	SLO 9	-0.53948	-1.61845	SLO 7	-0.71903	-2.15709
589	SLO 9	-0.53866	-1.61598	SLO 7	-0.71828	-2.15484
590	SLO 9	-0.5381	-1.61429	SLO 7	-0.7173	-2.15191
591	SLO 9	-0.53762	-1.61285	SLO 7	-0.71621	-2.14862
592	SLO 9	-0.5374	-1.61219	SLO 7	-0.71491	-2.14472
593	SLO 9	-0.5374	-1.6122	SLO 7	-0.71345	-2.14034
594	SLO 9	-0.53756	-1.61269	SLO 7	-0.71189	-2.13567
595	SLO 5	-0.53782	-1.61345	SLO 11	-0.71029	-2.13086
596	SLO 5	-0.53809	-1.61427	SLO 11	-0.70869	-2.12607
597	SLO 5	-0.53832	-1.61495	SLO 11	-0.70713	-2.12139
598	SLO 5	-0.53843	-1.61528	SLO 11	-0.70564	-2.11691
599	SLO 5	-0.53837	-1.61512	SLO 11	-0.70423	-2.11268
600	SLO 5	-0.5381	-1.61431	SLO 11	-0.7029	-2.10871
601	SLO 5	-0.53759	-1.61276	SLO 11	-0.70167	-2.10501
602	SLO 5	-0.53679	-1.61037	SLO 11	-0.70052	-2.10155
603	SLO 5	-0.5357	-1.6071	SLO 11	-0.69943	-2.09828
604	SLO 5	-0.5343	-1.6029	SLO 11	-0.69837	-2.09511
605	SLO 5	-0.53258	-1.59775	SLO 11	-0.69732	-2.09195
606	SLO 5	-0.53055	-1.59166	SLO 11	-0.69623	-2.08868
607	SLO 5	-0.52824	-1.58471	SLO 11	-0.69506	-2.08518
608	SLO 5	-0.52575	-1.57724	SLO 11	-0.69383	-2.0815
609	SLO 5	-0.52306	-1.56917	SLO 11	-0.69255	-2.07764
610	SLO 5	-0.52024	-1.56072	SLO 11	-0.69125	-2.07374
611	SLO 5	-0.51738	-1.55215	SLO 11	-0.68999	-2.06998
612	SLO 5	-0.51456	-1.54369	SLO 11	-0.68883	-2.0665
613	SLO 5	-0.51185	-1.53556	SLO 11	-0.68781	-2.06343
614	SLO 5	-0.5093	-1.5279	SLO 11	-0.68695	-2.06086
615	SLO 5	-0.50694	-1.52083	SLO 11	-0.68628	-2.05885
616	SLO 5	-0.5048	-1.5144	SLO 11	-0.68581	-2.05744
617	SLO 5	-0.50288	-1.50865	SLO 11	-0.68556	-2.05667
618	SLO 5	-0.50119	-1.50356	SLO 11	-0.68551	-2.05653
619	SLO 5	-0.4997	-1.49909	SLO 11	-0.68566	-2.05699
620	SLO 5	-0.49839	-1.49517	SLO 11	-0.68601	-2.05802
621	SLO 5	-0.49724	-1.49172	SLO 11	-0.68652	-2.05955
622	SLO 5	-0.49622	-1.48865	SLO 11	-0.68717	-2.0615
623	SLO 5	-0.49528	-1.48584	SLO 11	-0.68792	-2.06377
624	SLO 5	-0.4944	-1.48319	SLO 11	-0.68875	-2.06624
625	SLO 5	-0.49353	-1.4806	SLO 11	-0.68959	-2.06878
626	SLO 5	-0.49265	-1.47794	SLO 11	-0.69041	-2.07123
627	SLO 5	-0.4917	-1.47511	SLO 11	-0.69114	-2.07343
628	SLO 5	-0.49067	-1.47202	SLO 11	-0.69175	-2.07525
629	SLO 5	-0.48952	-1.46857	SLO 11	-0.69217	-2.07652
630	SLO 5	-0.48823	-1.4647	SLO 11	-0.69237	-2.07712
631	SLO 5	-0.48678	-1.46035	SLO 11	-0.69232	-2.07697
632	SLO 5	-0.48517	-1.4555	SLO 11	-0.69202	-2.07605
633	SLO 5	-0.4834	-1.45019	SLO 11	-0.69147	-2.0744
634	SLO 5	-0.47991	-1.43974	SLO 11	-0.69007	-2.07021
637	SLO 9	-0.53167	-1.59502	SLO 7	-0.71956	-2.15867
638	SLO 5	-0.51827	-1.55481	SLO 11	-0.70196	-2.10589
641	SLO 9	-0.52497	-1.57492	SLO 7	-0.72224	-2.16671
642	SLO 5	-0.50782	-1.52347	SLO 11	-0.70956	-2.12869
643	SLO 9	-0.51844	-1.55532	SLO 7	-0.72515	-2.17545
644	SLO 5	-0.49758	-1.49274	SLO 11	-0.71731	-2.15192
645	SLO 9	-0.51206	-1.53617	SLO 7	-0.72825	-2.18474
646	SLO 5	-0.48756	-1.46267	SLO 11	-0.72508	-2.17524
647	SLO 9	-0.50578	-1.51735	SLO 7	-0.73148	-2.19445
648	SLO 5	-0.47777	-1.43332	SLO 11	-0.73279	-2.19836
649	SLO 9	-0.49957	-1.49871	SLO 7	-0.73482	-2.20447
650	SLO 5	-0.46824	-1.40473	SLO 11	-0.74035	-2.22106
651	SLO 9	-0.49337	-1.4801	SLO 7	-0.73824	-2.21473
652	SLO 5	-0.45896	-1.37689	SLO 11	-0.74774	-2.24322
653	SLO 9	-0.48714	-1.46141	SLO 7	-0.74173	-2.22518
654	SLO 5	-0.4499	-1.34971	SLO 11	-0.75495	-2.26486
655	SLO 9	-0.48088	-1.44264	SLO 7	-0.74526	-2.23578
656	SLO 9	-0.48047	-1.44141	SLO 7	-0.7481	-2.2443
657	SLO 9	-0.48012	-1.44035	SLO 7	-0.75096	-2.25288
658	SLO 9	-0.47986	-1.43958	SLO 7	-0.75419	-2.26257
659	SLO 9	-0.4798	-1.43941	SLO 7	-0.75737	-2.2721
660	SLO 9	-0.47994	-1.43983	SLO 7	-0.76036	-2.28107
661	SLO 9	-0.48022	-1.44067	SLO 7	-0.76319	-2.28957
662	SLO 9	-0.48049	-1.44147	SLO 7	-0.76538	-2.29615
663	SLO 9	-0.48055	-1.44166	SLO 7	-0.76682	-2.30045
664	SLO 5	-0.48022	-1.44067	SLO 11	-0.76747	-2.3024
665	SLO 5	-0.47932	-1.43795	SLO 11	-0.7674	-2.30219
666	SLO 5	-0.47769	-1.43307	SLO 11	-0.76674	-2.30023
667	SLO 5	-0.47525	-1.42576	SLO 11	-0.76569	-2.29706
668	SLO 5	-0.47199	-1.41596	SLO 11	-0.76446	-2.29337
669	SLO 5	-0.46749	-1.40247	SLO 11	-0.76318	-2.28955
670	SLO 5	-0.46218	-1.38653	SLO 11	-0.76224	-2.28672
671	SLO 5	-0.4556	-1.3668	SLO 11	-0.76172	-2.28517
672	SLO 5	-0.44844	-1.34533	SLO 11	-0.76172	-2.28517
673	SLO 5	-0.44099	-1.32297	SLO 11	-0.76207	-2.2862
4748	SLO 3	-0.59641	-1.78924	SLO 13	-1.21157	-3.6347
4749	SLO 3	-0.78377	-2.35132	SLO 13	-1.02391	-3.07173
4750	SLO 3	-0.74647	-2.23942	SLO 13	-1.06142	-3.18426
4751	SLO 3	-0.7091	-2.12731	SLO 13	-1.09895	-3.29684
4752	SLO 3	-0.67164	-2.01491	SLO 13	-1.13637	-3.40912
4753	SLO 3	-0.63406	-1.90219	SLO 13	-1.17363	-3.52088
4754	SLO 3	-0.59641	-1.78923	SLO 13	-1.21073	-3.6322
4756	SLO 3	-0.59629	-1.78888	SLO 13	-1.18715	-3.56144
4757	SLO 3	-0.59654	-1.78961	SLO 13	-1.16356	-3.49068
4758	SLO 3	-0.59749	-1.79246	SLO 13	-1.14156	-3.42467
4759	SLO 3	-0.59947	-1.79841	SLO 13	-1.12174	-3.36523
4760	SLO 3	-0.60272	-1.80817	SLO 13	-1.10446	-3.31339
4761	SLO 3	-0.6074	-1.8222	SLO 13	-1.08984	-3.26952
4762	SLO 3	-0.61356	-1.84067	SLO 13	-1.07781	-3.23344
4763	SLO 3	-0.62117	-1.86352	SLO 13	-1.06826	-3.20477
4764	SLO 3	-0.63014	-1.89042	SLO 13	-1.06102	-3.18305

Nodo	spostamento nodale massimo			spostamento nodale minimo		
Ind.	Cont.	uz	Press.	Cont.	uz	Press.
4765	SLO 3	-0.64024	-1.92073	SLO 13	-1.05592	-3.16775
4766	SLO 3	-0.65117	-1.95352	SLO 13	-1.05271	-3.15812
4767	SLO 3	-0.66252	-1.98756	SLO 13	-1.051	-3.15301
4768	SLO 3	-0.67378	-2.02135	SLO 13	-1.05028	-3.15085
4769	SLO 3	-0.68443	-2.0533	SLO 13	-1.04996	-3.14988
4770	SLO 3	-0.694	-2.08199	SLO 13	-1.04951	-3.14854
4771	SLO 3	-0.70216	-2.10649	SLO 13	-1.04864	-3.14593
4772	SLO 3	-0.70884	-2.12652	SLO 13	-1.04731	-3.14194
4773	SLO 3	-0.71408	-2.14223	SLO 13	-1.04563	-3.13688
4774	SLO 3	-0.71797	-2.1539	SLO 13	-1.04366	-3.13099
4775	SLO 3	-0.72057	-2.16172	SLO 13	-1.04138	-3.12415
4776	SLO 3	-0.72191	-2.16572	SLO 13	-1.03865	-3.11594
4777	SLO 3	-0.72203	-2.16608	SLO 13	-1.03534	-3.10602
4778	SLO 3	-0.72111	-2.16334	SLO 13	-1.03152	-3.09457
4779	SLO 3	-0.71954	-2.15861	SLO 13	-1.02747	-3.08241
4780	SLO 3	-0.7178	-2.15339	SLO 13	-1.02357	-3.07071
4781	SLO 3	-0.71643	-2.14929	SLO 13	-1.02018	-3.06055
4782	SLO 3	-0.71593	-2.14779	SLO 13	-1.01755	-3.05265
4783	SLO 3	-0.71668	-2.15005	SLO 13	-1.01578	-3.04734
4784	SLO 3	-0.71896	-2.15687	SLO 13	-1.0149	-3.04471
4785	SLO 3	-0.72285	-2.16856	SLO 13	-1.01492	-3.04476
4786	SLO 3	-0.72833	-2.18498	SLO 13	-1.01582	-3.04747
4787	SLO 3	-0.73518	-2.20553	SLO 13	-1.01755	-3.05266
4788	SLO 3	-0.74307	-2.22921	SLO 13	-1.01994	-3.05983
4789	SLO 1	-0.75153	-2.25458	SLO 15	-1.02272	-3.06815
4790	SLO 1	-0.75996	-2.27987	SLO 15	-1.02555	-3.07664
4791	SLO 1	-0.76773	-2.30319	SLO 15	-1.02817	-3.08451
4792	SLO 1	-0.77438	-2.32313	SLO 15	-1.03043	-3.0913
4793	SLO 1	-0.77979	-2.33937	SLO 15	-1.03223	-3.09669
4794	SLO 1	-0.78411	-2.35234	SLO 15	-1.0335	-3.1005
4795	SLO 1	-0.78747	-2.36242	SLO 15	-1.03423	-3.1027
4796	SLO 1	-0.78985	-2.36956	SLO 15	-1.03438	-3.10314
4797	SLO 1	-0.79112	-2.37336	SLO 15	-1.03376	-3.10129
4798	SLO 1	-0.79114	-2.37341	SLO 15	-1.03213	-3.09638
4799	SLO 1	-0.78989	-2.36968	SLO 15	-1.02924	-3.08773
4800	SLO 1	-0.78758	-2.36273	SLO 15	-1.02507	-3.0752
4801	SLO 1	-0.78452	-2.35356	SLO 15	-1.01974	-3.05923
4802	SLO 1	-0.78108	-2.34324	SLO 15	-1.01354	-3.04061
4803	SLO 1	-0.77754	-2.33261	SLO 15	-1.00673	-3.02018
4804	SLO 1	-0.77403	-2.32209	SLO 15	-0.99951	-2.99853
4805	SLO 1	-0.7706	-2.31181	SLO 15	-0.99201	-2.97603
4807	SLO 1	-0.76724	-2.30172	SLO 15	-0.98435	-2.95305
4808	SLE RA 1	-0.80602	-2.41806	SLO 15	-0.87494	-2.62482
4809	SLE RA 1	-0.80482	-2.41445	SLE RA 3	-0.87496	-2.62487
4810	SLE RA 1	-0.80359	-2.41076	SLE RA 3	-0.87559	-2.62676
4811	SLE RA 1	-0.80225	-2.40676	SLE RA 3	-0.87606	-2.62818
4812	SLE RA 1	-0.80071	-2.40212	SLO 5	-0.87666	-2.62997
4813	SLO 11	-0.79777	-2.39331	SLO 5	-0.88788	-2.66364
4814	SLO 11	-0.78385	-2.35154	SLO 5	-0.8984	-2.69519
4815	SLO 11	-0.76926	-2.30777	SLO 5	-0.90773	-2.7232
4816	SLO 11	-0.75411	-2.26233	SLO 5	-0.91555	-2.74664
4817	SLO 15	-0.73787	-2.21361	SLO 1	-0.92252	-2.76756
4818	SLO 15	-0.7222	-2.16661	SLO 1	-0.92743	-2.78228
4819	SLO 15	-0.70782	-2.12347	SLO 1	-0.93007	-2.79022
4820	SLO 11	-0.69389	-2.08168	SLO 5	-0.93162	-2.79485
4821	SLO 11	-0.68023	-2.0407	SLO 5	-0.93231	-2.79692
4822	SLO 11	-0.66728	-2.00184	SLO 5	-0.93167	-2.795
4823	SLO 11	-0.65502	-1.96507	SLO 5	-0.92974	-2.78923
4824	SLO 11	-0.64357	-1.93071	SLO 5	-0.92678	-2.78033
4825	SLO 11	-0.63315	-1.89946	SLO 5	-0.92315	-2.76946
4826	SLO 11	-0.62408	-1.87223	SLO 5	-0.9193	-2.75791
4827	SLO 11	-0.61663	-1.8499	SLO 5	-0.91558	-2.74674
4828	SLO 11	-0.61103	-1.83308	SLO 5	-0.91221	-2.73664
4829	SLO 11	-0.60735	-1.82204	SLO 5	-0.90933	-2.728
4830	SLO 11	-0.60556	-1.81667	SLO 5	-0.90701	-2.72104
4831	SLO 11	-0.60553	-1.81659	SLO 5	-0.90531	-2.71593
4832	SLO 11	-0.60705	-1.82115	SLO 5	-0.90428	-2.71284
4833	SLO 11	-0.60986	-1.82959	SLO 5	-0.90393	-2.71179
4834	SLO 11	-0.61366	-1.84097	SLO 5	-0.90419	-2.71257
4835	SLO 11	-0.61806	-1.85419	SLO 5	-0.90487	-2.7146
4836	SLO 11	-0.62267	-1.86801	SLO 5	-0.90569	-2.71707
4837	SLO 11	-0.62706	-1.88118	SLO 5	-0.90638	-2.71913
4838	SLO 11	-0.63089	-1.89267	SLO 5	-0.90673	-2.72018
4839	SLO 11	-0.63398	-1.90193	SLO 5	-0.9067	-2.72009
4840	SLO 11	-0.63627	-1.90882	SLO 5	-0.90639	-2.71917
4841	SLO 11	-0.63779	-1.91338	SLO 5	-0.90594	-2.71783
4842	SLO 11	-0.6385	-1.91549	SLO 5	-0.90546	-2.71638
4843	SLO 11	-0.63822	-1.91466	SLO 5	-0.90499	-2.71497
4844	SLO 7	-0.63677	-1.91032	SLO 9	-0.90456	-2.71368
4845	SLO 7	-0.63414	-1.90243	SLO 9	-0.90416	-2.71247
4846	SLO 7	-0.63061	-1.89184	SLO 9	-0.90378	-2.71135
4847	SLO 7	-0.62664	-1.87992	SLO 9	-0.90358	-2.71073
4848	SLO 7	-0.62269	-1.86808	SLO 9	-0.90381	-2.71144
4849	SLO 7	-0.61919	-1.85756	SLO 9	-0.90479	-2.71436
4850	SLO 7	-0.61645	-1.84935	SLO 9	-0.90672	-2.72016
4851	SLO 7	-0.61474	-1.84423	SLO 9	-0.90972	-2.72915
4852	SLO 7	-0.61425	-1.84276	SLO 9	-0.91379	-2.74137
4853	SLO 7	-0.61507	-1.8452	SLO 9	-0.91892	-2.75677
4854	SLO 7	-0.61716	-1.85147	SLO 9	-0.92512	-2.77537
4855	SLO 7	-0.62036	-1.86109	SLO 9	-0.93241	-2.79724
4856	SLO 7	-0.62439	-1.87318	SLO 9	-0.94079	-2.82237
4857	SLO 7	-0.62886	-1.88658	SLO 9	-0.95016	-2.85048
4858	SLO 7	-0.6333	-1.89991	SLO 9	-0.9603	-2.88091
4859	SLO 7	-0.63726	-1.91177	SLO 9	-0.97092	-2.91275
4860	SLO 7	-0.64032	-1.92096	SLO 9	-0.98171	-2.94513
4861	SLO 7	-0.6422	-1.9266	SLO 9	-0.99253	-2.97759
4862	SLO 7	-0.64273	-1.92819	SLO 9	-1.00343	-3.0103
4863	SLO 7	-0.64179	-1.92536	SLO 9	-1.01458	-3.04373
4864	SLO 7	-0.63923	-1.9177	SLO 9	-1.02609	-3.07828
4865	SLO 7	-0.63489	-1.90467	SLO 9	-1.03801	-3.11403

Nodo	spostamento nodale massimo			spostamento nodale minimo		
Ind.	Cont.	uz	Press.	Cont.	uz	Press.
4866	SLO 7	-0.62859	-1.88576	SLO 9	-1.05026	-3.15077
4867	SLO 7	-0.62026	-1.86078	SLO 9	-1.06281	-3.18842
4868	SLO 7	-0.60999	-1.82997	SLO 9	-1.07575	-3.22726
4869	SLO 7	-0.59801	-1.79403	SLO 9	-1.08933	-3.268
4870	SLO 7	-0.58463	-1.75388	SLO 9	-1.10379	-3.31138
4871	SLO 7	-0.57014	-1.71042	SLO 9	-1.11927	-3.3578
4872	SLO 7	-0.55483	-1.66448	SLO 9	-1.1357	-3.4071
4873	SLO 7	-0.53894	-1.61682	SLO 9	-1.15284	-3.45853
4874	SLO 7	-0.52274	-1.56823	SLO 9	-1.17035	-3.51105
4875	SLO 7	-0.53896	-1.61689	SLO 9	-1.14123	-3.4237
4876	SLO 7	-0.55537	-1.66611	SLO 9	-1.11215	-3.33646
4877	SLO 7	-0.57209	-1.71626	SLO 9	-1.0832	-3.24959
4878	SLO 7	-0.58914	-1.76742	SLO 9	-1.05446	-3.16337
4879	SLO 7	-0.60646	-1.81938	SLO 9	-1.02594	-3.07783
4880	SLO 3	-0.61973	-1.8592	SLO 13	-1.00175	-3.00525
4881	SLO 3	-0.62636	-1.87907	SLO 13	-0.9842	-2.9526
4882	SLO 3	-0.63235	-1.89705	SLO 13	-0.96705	-2.90114
4883	SLO 3	-0.6376	-1.9128	SLO 13	-0.95031	-2.85092
4884	SLO 3	-0.64208	-1.92623	SLO 13	-0.93404	-2.80213
4885	SLO 3	-0.60546	-1.81638	SLO 13	-0.88239	-2.64718
4886	SLO 7	-0.56802	-1.70405	SLO 9	-0.83203	-2.49608
4887	SLO 7	-0.50589	-1.51768	SLO 9	-0.80721	-2.42164
4888	SLO 7	-0.44351	-1.33054	SLO 9	-0.78372	-2.35116
4889	SLO 7	-0.38076	-1.14228	SLO 9	-0.76163	-2.2849
4890	SLO 7	-0.31738	-0.95215	SLO 9	-0.74096	-2.22289
4891	SLO 7	-0.25308	-0.75923	SLO 9	-0.72167	-2.165
4892	SLO 3	-0.64615	-1.93846	SLO 13	-0.91784	-2.75353
4893	SLO 7	-0.28148	-0.84444	SLO 9	-0.69269	-2.07806
4894	SLO 3	-0.64912	-1.94737	SLO 13	-0.90228	-2.70683
4895	SLO 7	-0.30986	-0.92958	SLO 9	-0.66359	-1.99078
4896	SLO 1	-0.64822	-1.94467	SLO 15	-0.88998	-2.66993
4897	SLO 7	-0.33818	-1.01454	SLO 9	-0.63432	-1.90297
4898	SLO 1	-0.63935	-1.91804	SLO 15	-0.88514	-2.65541
4899	SLO 7	-0.36641	-1.09924	SLO 9	-0.60486	-1.81459
4900	SLO 1	-0.62933	-1.888	SLO 15	-0.88108	-2.64324
4901	SLO 7	-0.39453	-1.18359	SLO 9	-0.57523	-1.7257
4902	SLO 1	-0.61926	-1.85777	SLO 15	-0.87688	-2.63063
4903	SLO 7	-0.4225	-1.2675	SLO 9	-0.54549	-1.63648
4904	SLO 1	-0.60937	-1.8281	SLO 15	-0.87234	-2.61702
4905	SLO 7	-0.45022	-1.35065	SLO 9	-0.51579	-1.54737
4906	SLO 1	-0.59981	-1.79944	SLO 15	-0.86733	-2.60198
4907	SLE RA 8	-0.46111	-1.38334	SLE RA 2	-0.49545	-1.48635
4908	SLO 1	-0.59071	-1.77213	SLO 15	-0.86179	-2.58537
4909	SLO 5	-0.4547	-1.36409	SLO 11	-0.50689	-1.52067
4910	SLO 5	-0.57387	-1.72162	SLO 11	-0.86408	-2.59224
4911	SLO 5	-0.4249	-1.27471	SLO 11	-0.53437	-1.60311
4912	SLO 5	-0.55683	-1.67049	SLO 11	-0.86693	-2.6008
4913	SLO 9	-0.39501	-1.18503	SLO 7	-0.56196	-1.68587
4914	SLO 5	-0.54114	-1.62342	SLO 11	-0.86904	-2.60712
4915	SLO 9	-0.36517	-1.09552	SLO 7	-0.58955	-1.76865
4916	SLO 5	-0.52663	-1.5799	SLO 11	-0.8707	-2.6121
4917	SLO 9	-0.33546	-1.00639	SLO 7	-0.61712	-1.85137
4918	SLO 5	-0.51299	-1.53897	SLO 11	-0.87218	-2.61653
4919	SLO 9	-0.30591	-0.91772	SLO 7	-0.64467	-1.93401
4920	SLO 5	-0.49978	-1.49935	SLO 11	-0.87363	-2.62088
4921	SLO 9	-0.27651	-0.82954	SLO 7	-0.67219	-2.01657
4924	SLO 5	-0.54062	-1.62187	SLO 11	-0.83873	-2.51618
4925	SLO 5	-0.50329	-1.50986	SLO 11	-0.81357	-2.4407
4926	SLO 5	-0.46501	-1.39503	SLO 11	-0.78945	-2.36835
4930	SLO 5	-0.42548	-1.27645	SLO 11	-0.76776	-2.30328
4931	SLO 5	-0.3843	-1.15289	SLO 11	-0.74704	-2.24113
4932	SLO 5	-0.34069	-1.02208	SLO 11	-0.729	-2.187
4933	SLO 5	-0.29474	-0.88423	SLO 11	-0.71351	-2.14052
4934	SLO 9	-0.24724	-0.74171	SLO 7	-0.6997	-2.09909
6403	SLO 3	-0.62604	-1.87812	SLO 13	-1.13622	-3.40865
6409	SLO 3	-0.69423	-2.08269	SLO 13	-0.87083	-2.61249
6410	SLO 3	-0.64946	-1.94837	SLO 13	-0.97349	-2.92048
6411	SLO 11	-0.72769	-2.18307	SLO 5	-0.81196	-2.43587
6515	SLO 3	-0.7206	-2.1618	SLO 13	-1.07113	-3.2134
6520	SLO 3	-0.64798	-1.94393	SLO 13	-0.72963	-2.18888
6521	SLO 3	-0.65712	-1.97136	SLO 13	-0.82331	-2.46993
6522	SLO 3	-0.67766	-2.03298	SLO 13	-0.91853	-2.75559
6525	SLE RA 1	-0.62619	-1.87858	SLE RA 3	-0.68608	-2.05825
6774	SLO 11	-0.61307	-1.83921	SLO 5	-0.95887	-2.8766
6777	SLO 7	-0.61478	-1.84434	SLO 9	-0.96999	-2.90998
6871	SLO 11	-0.60495	-1.81484	SLO 5	-0.86239	-2.58718
6872	SLO 7	-0.59996	-1.79989	SLO 9	-0.87059	-2.61178
6899	SLO 11	-0.60563	-1.81689	SLO 5	-0.80154	-2.40461
6900	SLO 7	-0.59525	-1.78576	SLO 9	-0.80513	-2.41539
6971	SLO 11	-0.61195	-1.83586	SLO 5	-0.73545	-2.20634
6972	SLO 7	-0.5955	-1.78651	SLO 9	-0.73141	-2.19424
6995	SLE RA 1	-0.61621	-1.84862	SLO 5	-0.6921	-2.07631
6996	SLO 7	-0.59863	-1.79588	SLO 9	-0.68054	-2.04163
7032	SLO 1	-0.67018	-2.01054	SLO 15	-0.80422	-2.41267
7033	SLO 13	-0.71723	-2.15168	SLO 3	-0.81671	-2.45014
7034	SLE RA 1	-0.6125	-1.8375	SLE RA 3	-0.68078	-2.04235
7035	SLE RA 1	-0.5908	-1.77241	SLE RA 3	-0.6603	-1.98089
7039	SLE RA 1	-0.69688	-2.09065	SLO 3	-0.77548	-2.32645
7040	SLE RA 1	-0.64269	-1.92808	SLE RA 3	-0.71217	-2.13652
7041	SLE RA 1	-0.61098	-1.83293	SLE RA 3	-0.68376	-2.05128
7042	SLE RA 1	-0.63027	-1.8908	SLE RA 3	-0.70936	-2.12808
7043	SLE RA 1	-0.63475	-1.90424	SLE RA 3	-0.71593	-2.1478
7044	SLE RA 1	-0.6256	-1.8768	SLE RA 3	-0.70463	-2.11388
7045	SLE RA 1	-0.59946	-1.79838	SLE RA 3	-0.67238	-2.01714
7046	SLE RA 1	-0.60779	-1.82337	SLE RA 3	-0.68088	-2.04264
7047	SLE RA 1	-0.64531	-1.93593	SLE RA 3	-0.72469	-2.17406
7048	SLE RA 1	-0.67032	-2.01095	SLO 15	-0.76283	-2.28848
7049	SLO 1	-0.65085	-1.95255	SLO 15	-0.85503	-2.56508
7050	SLO 1	-0.62953	-1.8886	SLO 15	-0.94139	-2.82416
7053	SLE RA 1	-0.61256	-1.83768	SLE RA 3	-0.6807	-2.0421

Nodo	spostamento nodale massimo			spostamento nodale minimo		
Ind.	Cont.	uz	Press.	Cont.	uz	Press.
7054	SLE RA 1	-0.59048	-1.77144	SLE RA 3	-0.65978	-1.97935
7086	SLO 9	-0.60264	-1.80793	SLO 7	-0.71659	-2.14978
7087	SLO 5	-0.56765	-1.70295	SLO 11	-0.69429	-2.08287
7155	SLO 9	-0.56534	-1.69601	SLO 7	-0.82768	-2.48304
7179	SLO 5	-0.51829	-1.55486	SLO 11	-0.80063	-2.4019

Conclusioni

La presente relazione è stata redatta nel rispetto del *D.M. 17 gennaio 2018 “Nuove norme tecniche per le costruzioni” e Circolare 21/01/2019 n°7.*
Tutte le verifiche eseguite risultano soddisfatte secondo i livelli di sicurezza previsti dalla normativa vigente ed attestano la conformità delle strutture. verificate a quanto disposto dalla stessa legislazione, In accordo con quanto stabilito dal DM 17.01.18 (punto 10.1), il presente progetto definitivo strutturale è stato informato a caratteri di chiarezza espositiva e di completezza nei contenuti, definendo completamente il livello di sicurezza per la verifica di vulnerabilità sismica dell’edificio scolastico.

Il progettista Strutturale

Ing. Sergio De Felice

Comune di Squillace

Provincia di Catanzaro

Piazza Municipio, n° 1, cap 88069, tel. 0961/914020, fax 0961/914019,
e-mail: uff-tecnico-urbanistica@comune.squillace.cz.it, P.I. 00182160796

VERIFICA DELLA VULNERABILITA' SISMICA DELL'EDIFICIO SCOLASTICO "Scuola dell'Infanzia e Primaria via Damiano Assanti n° 15" - codice: 0791420761.

CUP: C89F18000240001 - CIG: ZD125C5F65

Oggetto:

FASCICOLO DEI CALCOLI
VERIFICHE STRUTTURALI NON SISMICHE

Elab. n° REL.03.F

Scala:

Data:

Il Responsabile del Procedimento: Arch. Antonio Macaluso

Soggetti incaricati:

Elio CONTE
Architetto
CAPOGRUPPO

SPI SRL
MANDANTE

Ugo Ugati
Geologo
MANDANTE

ORDINE DEGLI ARCHITETTI DELLA PROVINCIA DI CATANZARO
ARCHITETTO
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SPI
STUDIO PROGETTAZIONI D'INGEGNERIA-SPI s.r.l.

ORDINE DEI GEOLOGI della Regione Campania
dr. geol. UGO UGATI Albo n. 1649

Agg.	*Agg.*	*Agg.*	*Agg.*

R.T.P. CONTE

c/o Arch. Elio Conte, Via Carlo de Marco n° 135, 80137 Napoli - Tel./fax 081 7517736, e-mail: conte.arch.elio@fastwebnet.it

Rappresentazione generale delle verifiche

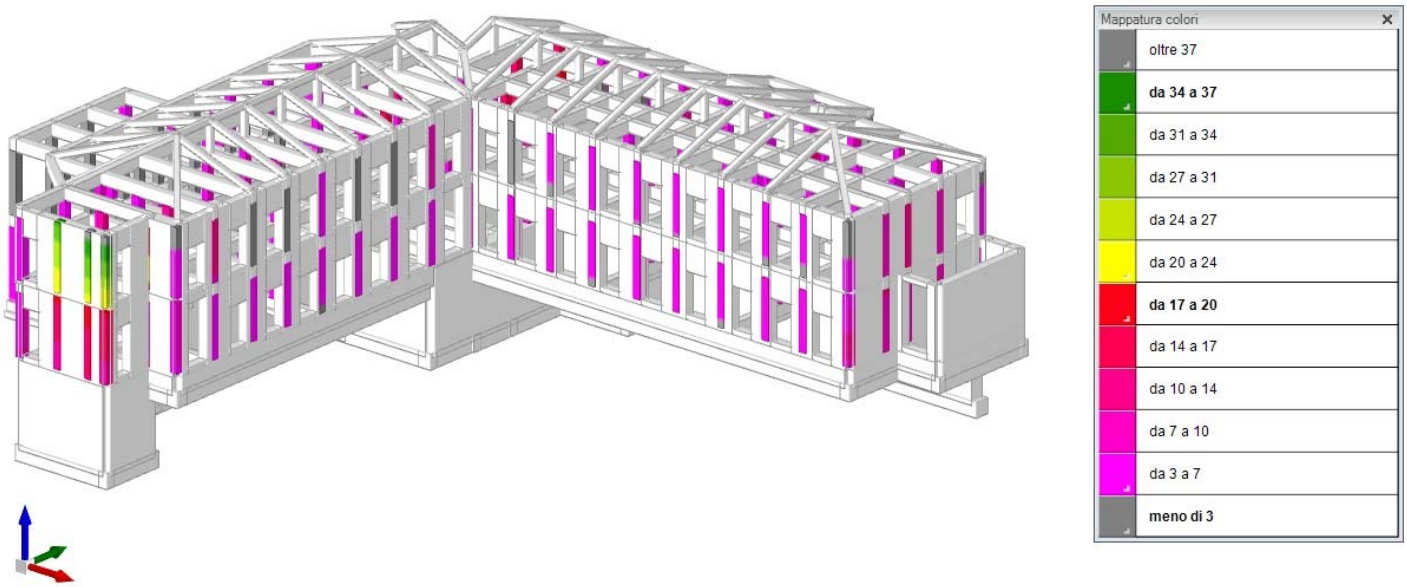

Figura 1 – Sicurezza Minima Pilastri in cemento armato non sismica

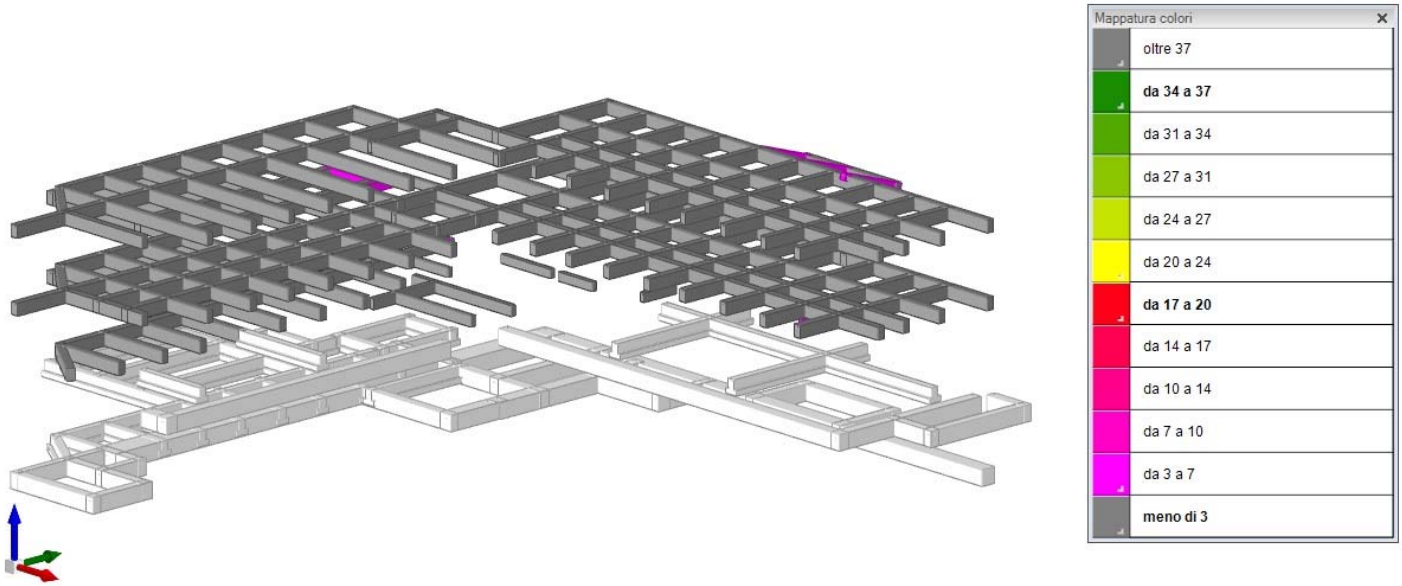

Figura 2 – Sicurezza Minima Travi in cemento armato non sismica

Verifiche

Verifiche pilastrate C.A.

***Q.inf.**: quota inferiore [cm]*
***Q.sup.**: quota superiore [cm]*
***Sezione**: sezione impiegata*
***Esistente**: campata esistente*
***Secondaria**: campata secondaria*
***Dissipativa**: campata dissipativa*
***Interna a parete**: campata adiacente ad una parete in c.a.*
***Sovraresistenza**: aliquota di sovraresistenza da assicurare in verifica*
***Materiale CLS**: materiale calcestruzzo impiegato*
***Materiale Acciaio**: materiale/i acciaio impiegato/i*
***FC**: fattore di confidenza riferito al materiale CLS*
***Posizione**: posizione della barra*
***X**: ascissa relativa della barra rispetto al baricentro della sezione [cm]*
***Y**: ordinata relativa della barra rispetto al baricentro della sezione [cm]*
***Diametro**: diametro nominale della barra [cm]*
***Area**: area nominale della barra [cm²]*
***Q.inf.**: quota inferiore della barra [cm]*
***Q.sup.**: quota superiore della barra [cm]*
***Materiale**: materiale della barra*
***Quota**: quota della sezione [cm]*
***As**: area complessiva delle armature verticali [cm²]*
***%**: percentuale di acciaio*
***At**: area delle armature verticali destinata alla verifica di torsione [cm²]*
***Pos.**: posizioni barre longitudinali presenti nella sezione*
***Mx**: momento Mx [daN*cm]*
***My**: momento My [daN*cm]*
***N**: sforzo normale [daN]*
***MRdx**: momento resistente in direzione X [daN*cm]*
***MRdy**: momento resistente in direzione Y [daN*cm]*
***Comb.**: combinazione peggiore*
***Coeff.s.**: coefficiente di sicurezza minimo*
***Verifica**: stato di verifica*
***Staffe**: staffatura presente nella sezione*
***Direzione X**: dati della verifica a taglio in direzione X*
***V**: taglio di verifica per la direzione considerata [daN]*
***N**: sforzo normale per la verifica nella direzione considerata [daN]*
***Comb.**: combinazione per la verifica nella direzione considerata*
***VRd**: resistenza a taglio del calcestruzzo non staffato per la verifica nella direzione considerata [daN]*
***VRsd**: resistenza a taglio delle staffe per la verifica nella direzione considerata [daN]*
***VRcd**: resistenza a taglio delle bielle compresse per la verifica nella direzione considerata [daN]*
***Cot**: cotagente delle bielle compresse per la verifica nella direzione considerata*
***c.s.**: coefficiente di sicurezza per la verifica nella direzione considerata*
***Direzione Y**: dati della verifica a taglio in direzione Y*
***σc,max**: tensione massima sul calcestruzzo [daN/cm²]*
***σf,max**: tensione massima sull'acciaio [daN/cm²]*
***Mx,sr**: momento Mx di fessurazione [daN*cm]*
***My,sr**: momento My di fessurazione [daN*cm]*
***N,sr**: sforzo normale di fessurazione [daN]*
***σs**: tensione massima sull'acciaio in condizioni fessurate [daN/cm²]*
***Ac,eff**: area di calcestruzzo efficace [cm²]*
***ρ,eff**: rapporto geometrico di area d'acciaio efficace*
***Sm**: distanza media fra le fessure [cm]*
***Wk**: apertura delle fessure [cm]*
***Fessurata**: presenza di fessurazione*

Le unità di misura delle verifiche elencate nel capitolo sono in [cm, daN] ove non espressamente specificato.

Pilastrata 1

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	692	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.5	-12.2	-17.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 718 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	138785	269199	-5753	408283	791938	LU 12	2.942	Si
450	18.1	2.3	0	2,3,4,5	115854	217712	-5599	442694	831907	LU 12	3.821	Si
692	18.1	1.1	0	5	-70299	-200253	-4345	-293893	-837181	LU 12	4.181	Si
480	18.1	2.3	0	2,3,4,5	92537	165358	-5442	497888	889700	LU 12	5.38	Si
662	18.1	1.1	0	5	-47368	-148766	-4500	-308061	-967515	LU 12	6.504	Si
511	18.1	1.1	0	5	69788	111912	-5175	583132	935109	LU 11	8.356	Si
-10	18.1	1.8	0	1,2,3,4	104386	-106736	-13673	1112933	-1137992	LU 12	10.662	Si
350	18.1	0.9	0	2,3,4	-151029	38190	-10131	-1731631	437871	LU 13	11.466	Si
20	18.1	1.8	0	1,2,3,4	83487	-95929	-13482	1002789	-1152224	LU 12	12.011	Si
631	18.1	1.1	0	5	-23833	-98088	-4815	-302747	-1245974	LU 18	12.703	Si
320	18.1	0.9	0	2,3,4	-132141	25886	-11505	-1682086	329509	LU 12	12.729	Si
50	18.1	1.8	0	1,2,3,4	61674	-84648	-13282	827075	-1135161	LU 12	13.41	Si
290	18.1	0.9	0	2,3,4	-110606	26330	-11702	-1532035	364701	LU 12	13.851	Si
80	18.1	0.9	0	2,3,4	40139	-73512	-13084	594619	-1088990	LU 12	14.814	Si
260	18.1	0.9	0	2,3,4	-89071	-26774	-11900	-1340350	-402898	LU 12	15.048	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
692	2X/2Y ø6/24.7	-1734	-4345	LU 12	5729	3568	25910	2.5	3.3	-781	-4064	LU 10	5692	3568	25872	2.5	7.29	Si
662	2X/2Y ø6/24.7	-1734	-4500	LU 12	5749	3568	25931	2.5	3.32	-781	-4219	LU 10	5712	3568	25893	2.5	7.31	Si
631	2X/2Y ø6/24.7	-1734	-4657	LU 12	5769	3568	25952	2.5	3.33	-781	-4376	LU 10	5733	3568	25914	2.5	7.34	Si
601	2X/2Y ø6/24.7	-1734	-4814	LU 12	5790	3568	25973	2.5	3.34	-781	-4533	LU 10	5753	3568	25935	2.5	7.36	Si
571	2X/2Y ø6/24.7	-1734	-4971	LU 12	5810	3568	25994	2.5	3.35	-781	-4690	LU 10	5774	3568	25956	2.5	7.39	Si
541	2X/2Y ø6/24.7	-1734	-5128	LU 12	5831	3568	26015	2.5	3.36	-781	-4847	LU 10	5794	3568	25977	2.5	7.42	Si
511	2X/2Y ø6/24.7	-1734	-5285	LU 12	5851	3568	26036	2.5	3.37	-781	-5004	LU 10	5815	3568	25999	2.5	7.44	Si
480	2X/2Y ø6/24.7	-1734	-5442	LU 12	5872	3568	26058	2.5	3.39	-781	-5161	LU 10	5835	3568	26020	2.5	7.47	Si
450	2X/2Y ø6/24.7	-1734	-5599	LU 12	5892	3568	26079	2.5	3.4	-781	-5318	LU 10	5855	3568	26041	2.5	7.49	Si
420	2X/2Y ø6/24.7	-1734	-5753	LU 12	5912	3568	26100	2.5	3.41	-781	-5472	LU 10	5875	3568	26062	2.5	7.52	Si
350	2X/2Y ø6/24	385	-10272	LU 17	7727	4203	34002	2.5	20.09	-718	-11311	LU 12	7865	4203	34144	2.5	10.96	Si
320	2X/2Y ø6/24	385	-10466	LU 17	7753	4203	34029	2.5	20.16	-718	-11505	LU 12	7890	4203	34171	2.5	10.99	Si
290	2X/2Y ø6/24	385	-10664	LU 17	7779	4203	34056	2.5	20.23	-718	-11702	LU 12	7916	4203	34198	2.5	11.03	Si
260	2X/2Y ø6/24	385	-10861	LU 17	7805	4203	34083	2.5	20.29	-718	-11900	LU 12	7942	4203	34225	2.5	11.06	Si
230	2X/2Y ø6/24	385	-11059	LU 17	7831	4203	34110	2.5	20.36	-718	-12097	LU 12	7969	4203	34252	2.5	11.1	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	106908	203160	-4397	RA 3	-39.4	106908	203160	-4397	RA 3	715	Si
450	89241	164242	-4278	RA 3	-32	89241	164242	-4278	RA 3	546.2	Si
692	-54179	-151693	-3314	RA 3	-25.8	-54179	-151693	-3314	RA 3	476.7	Si
480	71276	124668	-4157	RA 3	-24.5	71715	123382	-4084	RA 2	376.5	Si
-10	79100	-80907	-10366	RA 3	-13	79100	-80907	-10366	RA 3	-165.5	Si
662	-36043	-113622	-3538	RA 9	-12.9	-36043	-113622	-3538	RA 9	-149.7	Si
511	53312	85094	-4037	RA 3	-12.3	53312	85094	-4037	RA 3	-144.6	Si
20	63136	-72600	-10218	RA 3	-11.7	63136	-72600	-10218	RA 3	-149.7	Si
350	-115817	24925	-8478	RA 9	-11.2	-115817	24925	-8478	RA 9	-141.4	Si
50	46473	-63929	-10064	RA 3	-10.3	46473	-63929	-10064	RA 3	-133.2	Si
320	-99844	16276	-8627	RA 9	-9.9	-99844	16276	-8627	RA 9	-127.3	Si
80	30023	-55368	-9913	RA 3	-8.9	30023	-55368	-9913	RA 3	-117	Si
631	-18403	-74318	-3659	RA 9	-8.8	-18403	-74318	-3659	RA 9	-104.5	Si
290	-83629	12697	-8157	RA 8	-8.7	-83601	7480	-8779	RA 9	-113	Si
541	35347	45520	-3916	RA 3	-8	35347	45520	-3916	RA 3	-96.9	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	107759	184624	-4244	QP 2	-37.2	Si
450	89948	148996	-4125	QP 2	-30.2	Si
692	-54641	-140227	-3160	QP 2	-24.4	Si
480	71837	112768	-4004	QP 2	-23.1	Si
662	-36830	-104599	-3279	QP 2	-12.2	Si
-10	73419	-75222	-9642	QP 2	-12.1	Si
511	53726	76540	-3883	QP 2	-11.7	Si
350	-117009	26590	-7825	QP 2	-11.1	Si
20	57977	-66965	-9495	QP 2	-10.8	Si
320	-101361	18224	-7974	QP 2	-9.8	Si
50	41858	-58348	-9341	QP 2	-9.4	Si
290	-85460	11952	-7860	QP 1	-8.6	Si
631	-18718	-68371	-3400	QP 2	-8.2	Si
80	25945	-49840	-9189	QP 2	-8	Si
541	35615	40313	-3762	QP 2	-7.6	Si

Pilastrata 2

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	692	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 718 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -35 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	173941	68359	-7720	1085908	426765	LU 11	6.243	Si
450	18.1	2.3	0	2,3,4,5	142571	54154	-7566	1146930	435653	LU 11	8.045	Si
-10	18.1	1.8	0	1,2,3,4	195646	42270	-18787	1609991	347847	LU 12	8.229	Si
350	18.1	0.9	0	2,3,4	-164875	99625	-14365	-1411900	853134	LU 10	8.563	Si
20	18.1	1.8	0	1,2,3,4	167180	41839	-18595	1491776	373340	LU 12	8.923	Si
692	18.1	1.1	0	5	-112369	-62950	-6589	-1024087	-573699	LU 12	9.114	Si
320	18.1	0.9	0	2,3,4	-126536	93307	-16618	-1231785	908319	LU 12	9.735	Si
50	18.1	1.8	0	1,2,3,4	137467	41389	-18395	1339000	403152	LU 12	9.74	Si
80	18.1	0.9	0	2,3,4	108134	40945	-18198	1152180	436275	LU 12	10.655	Si
290	18.1	0.9	0	2,3,4	-97202	84958	-16816	-1043821	912331	LU 12	10.739	Si
480	18.1	2.3	0	2,3,4,5	110535	40505	-7685	1203299	440948	LU 12	10.886	Si
110	18.1	0.9	0	2,3,4	78800	40501	-18000	921138	473436	LU 12	11.69	Si
260	18.1	0.9	0	2,3,4	-67868	76608	-17013	-793927	896159	LU 12	11.698	Si
230	18.1	0.9	0	2,3,4	-38724	68258	-17211	-483612	852452	LU 12	11.889	Si
200	18.1	0.9	0	2,3,4	-39169	59890	-17408	-496767	759559	LU 12	12.683	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
692	2X/2Y ø6/24.7	-491	-6589	LU 12	6021	3568	26212	2.5	12.27	-1056	-6312	LU 11	5985	3568	26175	2.5	5.67	Si
662	2X/2Y ø6/24.7	-491	-6743	LU 12	6041	3568	26233	2.5	12.31	-1056	-6467	LU 11	6005	3568	26196	2.5	5.68	Si
631	2X/2Y ø6/24.7	-491	-6900	LU 12	6061	3568	26254	2.5	12.36	-1056	-6624	LU 11	6025	3568	26217	2.5	5.7	Si
601	2X/2Y ø6/24.7	-491	-7057	LU 12	6082	3568	26275	2.5	11.8	-1056	-6781	LU 11	6046	3568	26238	2.5	5.72	Si
571	2X/2Y ø6/24.7	-491	-7214	LU 12	6102	3568	26296	2.5	11.84	-1056	-6938	LU 11	6066	3568	26259	2.5	5.74	Si
541	2X/2Y ø6/24.7	-491	-7371	LU 12	6123	3568	26317	2.5	11.88	-1056	-7095	LU 11	6087	3568	26280	2.5	5.76	Si
511	2X/2Y ø6/24.7	-491	-7528	LU 12	6143	3568	26338	2.5	12.52	-1056	-7252	LU 11	6107	3568	26301	2.5	5.78	Si
480	2X/2Y ø6/24.7	-491	-7685	LU 12	6163	3568	26360	2.5	12.56	-1056	-7409	LU 11	6127	3568	26322	2.5	5.8	Si
450	2X/2Y ø6/24.7	-491	-7842	LU 12	6184	3568	26381	2.5	12.61	-1056	-7566	LU 11	6148	3568	26343	2.5	5.82	Si
420	2X/2Y ø6/24.7	-491	-7997	LU 12	6204	3568	26401	2.5	12.65	-1056	-7720	LU 11	6168	3568	26364	2.5	5.84	Si
350	2X/2Y ø6/24	281	-15018	LU 17	8355	4203	34652	2.5	29.72	-1048	-14365	LU 10	8269	4203	34562	2.5	7.89	Si
320	2X/2Y ø6/24	281	-15212	LU 17	8381	4203	34678	2.5	29.81	-1048	-14559	LU 10	8294	4203	34589	2.5	7.92	Si
290	2X/2Y ø6/24	281	-15409	LU 17	8407	4203	34705	2.5	29.9	-1048	-14757	LU 10	8321	4203	34616	2.5	7.94	Si
260	2X/2Y ø6/24	281	-15607	LU 17	8433	4203	34732	2.5	30	-1048	-14954	LU 10	8347	4203	34643	2.5	7.97	Si
230	2X/2Y ø6/24	281	-15804	LU 17	8459	4203	34759	2.5	30.09	-1048	-15151	LU 10	8373	4203	34670	2.5	7.99	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	132281	52648	-6166	RA 3	-16.9	132281	52648	-6166	RA 3	-199.3	Si
350	-120497	77897	-12423	RA 3	-16	-120497	77897	-12423	RA 3	-201.8	Si
320	-98097	71596	-12572	RA 3	-14.5	-98097	71596	-12572	RA 3	-185.9	Si
-10	153943	1223	-14019	RA 5	-14.4	152102	1219	-14240	RA 3	-186.7	Si
450	108403	41643	-6047	RA 3	-14.3	105308	41097	-6468	RA 9	-170.5	Si
20	129996	7437	-14093	RA 3	-13.5	129996	7437	-14093	RA 3	-176.1	Si
290	-75317	65188	-12724	RA 3	-13	-75317	65188	-12724	RA 3	-169	Si
692	-83044	-48378	-5503	RA 9	-12.6	-83044	-48378	-5503	RA 9	-150.7	Si
50	106922	13927	-13939	RA 3	-12.5	106922	13927	-13939	RA 3	-164.9	Si
480	81716	29889	-6347	RA 9	-11.6	81716	29889	-6347	RA 9	-141.3	Si
80	84142	20335	-13787	RA 3	-11.6	84142	20335	-13787	RA 3	-153.9	Si
260	-52537	58781	-12876	RA 3	-11.5	-52537	58781	-12876	RA 3	-152.2	Si
110	61362	26743	-13635	RA 3	-10.6	61362	26743	-13635	RA 3	-142.9	Si
662	-59842	-37356	-5622	RA 9	-10.2	-59842	-37356	-5622	RA 9	-123.9	Si
230	-29757	52373	-13028	RA 3	-10.1	-29757	52373	-13028	RA 3	-135.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	125724	47281	-6179	QP 2	-16	Si
350	-125156	76880	-11418	QP 2	-15.7	Si
-10	159703	1170	-13235	QP 2	-14.3	Si
320	-101749	70659	-11567	QP 2	-14.2	Si
450	103073	37268	-6060	QP 2	-13.6	Si
20	136602	7309	-13088	QP 2	-13.4	Si
290	-77944	64332	-11719	QP 2	-12.7	Si
50	112491	13718	-12934	QP 2	-11.8	Si
692	-80803	-44015	-5095	QP 2	-11.9	Si
80	88686	20045	-12782	QP 2	-11.4	Si
260	-54140	58005	-11871	QP 2	-11.1	Si
480	80041	27087	-5939	QP 2	-11.1	Si
110	64882	26371	-12630	QP 2	-10.4	Si
230	-30336	51678	-12023	QP 2	-9.6	Si
662	-58152	-34002	-5214	QP 2	-9.6	Si

Pilastrata 3

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	692	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	691.8	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 718 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	164560	-248770	-5813	507815	-767676	LU 12	3.086	Si
692	18.1	1.1	0	5	-90796	227030	-4644	-323845	809758	LU 18	3.567	Si
450	18.1	2.3	0	2,3,4,5	136209	-197096	-5659	553025	-800235	LU 12	4.06	Si
662	18.1	1.1	0	5	-63289	175319	-4798	-328813	910851	LU 18	5.195	Si
480	18.1	2.3	0	2,3,4,5	108122	-143369	-5359	622036	-824815	LU 11	5.753	Si
350	18.1	0.9	0	2,3,4	-162419	199379	-13208	-973297	1194775	LU 11	5.992	Si
320	18.1	0.9	0	2,3,4	-139361	192907	-13402	-927914	1284438	LU 11	6.658	Si
290	18.1	0.9	0	2,3,4	-115913	186326	-13600	-857696	1378720	LU 11	7.4	Si
260	18.1	0.9	0	2,3,4	-91811	180591	-13968	-758451	1491860	LU 12	8.261	Si
511	18.1	1.1	0	5	79055	-91690	-5202	717113	-831721	LU 11	9.071	Si
631	18.1	1.1	0	5	-35320	122737	-4955	-322230	1119755	LU 18	9.123	Si
230	18.1	0.9	0	2,3,4	-68289	174061	-14166	-624399	1591527	LU 12	9.144	Si
-10	18.1	1.8	0	1,2,3,4	119501	121923	-15742	1113237	1135802	LU 12	9.316	Si
20	18.1	1.8	0	1,2,3,4	96674	128261	-15550	949938	1260320	LU 12	9.826	Si
200	18.1	0.9	0	2,3,4	-44715	167516	-14364	-442767	1658722	LU 12	9.902	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
692	2X/2Y ø6/24.7	1740	-4405	LU 12	5737	3568	25918	2.5	3.3	-963	-4263	LU 11	5718	3568	25899	2.5	5.94	Si
662	2X/2Y ø6/24.7	1740	-4560	LU 12	5757	3568	25939	2.5	3.31	-963	-4417	LU 11	5738	3568	25920	2.5	5.96	Si
631	2X/2Y ø6/24.7	1740	-4717	LU 12	5777	3568	25960	2.5	3.32	-963	-4574	LU 11	5759	3568	25941	2.5	5.98	Si
601	2X/2Y ø6/24.7	1740	-4874	LU 12	5798	3568	25981	2.5	3.33	-963	-4731	LU 11	5779	3568	25962	2.5	6	Si
571	2X/2Y ø6/24.7	1740	-5031	LU 12	5818	3568	26002	2.5	3.34	-963	-4888	LU 11	5799	3568	25983	2.5	6.03	Si
541	2X/2Y ø6/24.7	1740	-5188	LU 12	5838	3568	26023	2.5	3.36	-963	-5045	LU 11	5820	3568	26004	2.5	6.05	Si
511	2X/2Y ø6/24.7	1740	-5345	LU 12	5859	3568	26044	2.5	3.37	-963	-5202	LU 11	5840	3568	26025	2.5	6.07	Si
480	2X/2Y ø6/24.7	1740	-5502	LU 12	5879	3568	26066	2.5	3.38	-963	-5359	LU 11	5861	3568	26046	2.5	6.09	Si
450	2X/2Y ø6/24.7	1740	-5659	LU 12	5900	3568	26087	2.5	3.39	-963	-5516	LU 11	5881	3568	26068	2.5	6.11	Si
420	2X/2Y ø6/24.7	1740	-5813	LU 12	5920	3568	26108	2.5	3.4	-963	-5671	LU 11	5901	3568	26088	2.5	6.13	Si
350	2X/2Y ø6/24	219	-13208	LU 11	8116	4203	34404	2.5	36.99	-772	-11946	LU 13	7949	4203	34231	2.5	10.3	Si
320	2X/2Y ø6/24	219	-13402	LU 11	8141	4203	34431	2.5	37.11	-772	-12140	LU 13	7974	4203	34258	2.5	10.33	Si
290	2X/2Y ø6/24	219	-13600	LU 11	8168	4203	34458	2.5	37.23	-772	-12337	LU 13	8000	4203	34285	2.5	10.37	Si
260	2X/2Y ø6/24	219	-13797	LU 11	8194	4203	34485	2.5	37.35	-772	-12535	LU 13	8027	4203	34312	2.5	10.4	Si
230	2X/2Y ø6/24	219	-13995	LU 11	8220	4203	34512	2.5	37.47	-772	-12732	LU 13	8053	4203	34339	2.5	10.44	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	126356	-187701	-4447	RA 3	-40.1	127166	-185769	-4352	RA 2	706.9	Si
692	-70189	172194	-3522	RA 9	-30.5	-72289	169099	-3363	RA 3	573.8	Si
450	104570	-148569	-4328	RA 3	-32.1	105224	-147204	-4233	RA 2	529.4	Si
662	-48966	133037	-3641	RA 9	-22.7	-50503	129967	-3482	RA 3	383.7	Si
480	82417	-108778	-4207	RA 3	-23.9	82912	-107990	-4112	RA 2	351.3	Si
350	-125394	151195	-10110	RA 3	-19.1	-125394	151195	-10110	RA 3	-235.1	Si
320	-107653	146362	-10259	RA 3	-18	-107653	146362	-10259	RA 3	-222.3	Si
290	-89612	141446	-10411	RA 3	-16.9	-89612	141446	-10411	RA 3	-209.3	Si
260	-71571	136531	-10563	RA 3	-15.7	-71571	136531	-10563	RA 3	-196.2	Si
-10	90497	92375	-11927	RA 3	-14.9	90497	92375	-11927	RA 3	-189.7	Si
230	-53530	131616	-10715	RA 3	-14.5	-53530	131616	-10715	RA 3	-183.2	Si
20	72989	97145	-11780	RA 3	-14.2	72989	97145	-11780	RA 3	-181	Si
50	54715	102124	-11626	RA 3	-13.4	54715	102124	-11626	RA 3	-171.8	Si
200	-35451	126690	-10867	RA 3	-13.4	-35451	126690	-10867	RA 3	-170.1	Si
80	36674	107039	-11474	RA 3	-12.7	36674	107039	-11474	RA 3	-162.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	125559	-170467	-4304	QP 2	-37.9	Si
450	103829	-134314	-4185	QP 2	-30.2	Si
692	-72576	159171	-3221	QP 2	-29.3	Si
480	81733	-97552	-4064	QP 2	-21.8	Si
662	-50846	123018	-3339	QP 2	-21.7	Si
350	-129065	138732	-9247	QP 2	-18.3	Si
320	-111579	134374	-9396	QP 2	-17.2	Si
290	-93795	129941	-9548	QP 2	-16.1	Si
260	-76012	125509	-9700	QP 2	-15	Si
-10	83740	85692	-11064	QP 2	-13.9	Si
230	-58229	121077	-9852	QP 2	-13.8	Si
20	66482	89993	-10917	QP 2	-13.1	Si
200	-40408	116635	-10004	QP 2	-12.7	Si
50	48470	94483	-10763	QP 2	-12.3	Si
170	-22663	112212	-10156	QP 2	-11.6	Si

Pilastrata 4

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-23	-22		FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-23	-22		FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-23	-22		FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-23	-22		FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-22	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-22	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-22	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-22	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a 39.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 39.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Anomalie geometriche

L'appoggio -22 ha ampiezza nulla.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-22	18.1	1.8	0	1,2,3,4	-312123	218876	-16149	-1220094	855591	LU 12	3.909	Si
-17	18.1	1.8	0	1,2,3,4	-307311	217093	-16113	-1219951	861809	LU 12	3.97	Si
14	18.1	1.8	0	1,2,3,4	-280990	207342	-15915	-1217540	898422	LU 12	4.333	Si
44	18.1	0.9	0	2,3,4	-254232	197429	-15714	-1207545	937745	LU 12	4.75	Si
75	18.1	0.9	0	2,3,4	-227171	187404	-15510	-1194582	985468	LU 12	5.259	Si
105	18.1	0.9	0	2,3,4	-200716	177603	-15311	-1178018	1042368	LU 12	5.869	Si
136	18.1	0.9	0	2,3,4	-173958	167690	-15110	-1144415	1103181	LU 12	6.579	Si
167	18.1	0.9	0	2,3,4	-147200	157777	-14908	-1099057	1178032	LU 12	7.466	Si
197	18.1	0.9	0	2,3,4	-123630	145101	-14490	-1048293	1230354	LU 18	8.479	Si
228	18.1	0.9	0	2,3,4	-97845	135211	-14289	-948138	1310227	LU 18	9.69	Si
258	18.1	0.9	0	2,3,4	-66926	128038	-14305	-731075	1398647	LU 12	10.924	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
289	18.1	0.9	0	2,3,4	-40167	118125	-14103	-481736	1416694	LU 12	11.993	Si
319	18.1	0.9	0	2,3,4	-31280	108212	-13902	-396792	1372698	LU 12	12.685	Si
350	18.1	0.9	0	2,3,4	30834	98461	-13704	409220	1306735	LU 12	13.272	Si
420	18.1	2.3	0	2,3,4,5	-83598	-17026	-6359	-1318863	-268614	LU 12	15.776	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24.8	-323	-13487	LU 18	8153	4067	34442	2.5	25.22	875	-13704	LU 12	8181	4067	34472	2.5	9.35	Si
319	2X/2Y ø6/24.8	-323	-13685	LU 18	8179	4067	34469	2.5	25.3	875	-13902	LU 12	8207	4067	34499	2.5	9.38	Si
289	2X/2Y ø6/24.8	-323	-13886	LU 18	8205	4067	34497	2.5	25.38	875	-14103	LU 12	8234	4067	34527	2.5	9.41	Si
258	2X/2Y ø6/24.8	-323	-14088	LU 18	8232	4067	34524	2.5	25.47	875	-14305	LU 12	8261	4067	34554	2.5	9.44	Si
228	2X/2Y ø6/24.8	-323	-14289	LU 18	8259	4067	34552	2.5	25.55	875	-14506	LU 12	8287	4067	34582	2.5	9.47	Si
197	2X/2Y ø6/24.8	-323	-14490	LU 18	8285	4067	34580	2.5	25.63	875	-14707	LU 12	8314	4067	34609	2.5	9.5	Si
167	2X/2Y ø6/24.8	-323	-14691	LU 18	8312	4067	34607	2.5	25.71	875	-14908	LU 12	8341	4067	34637	2.5	9.53	Si
136	2X/2Y ø6/24.8	-323	-14893	LU 18	8339	4067	34635	2.5	25.8	875	-15110	LU 12	8367	4067	34664	2.5	9.56	Si
105	2X/2Y ø6/24.8	-323	-15094	LU 18	8365	4067	34662	2.5	25.88	875	-15311	LU 12	8394	4067	34692	2.5	9.59	Si
75	2X/2Y ø6/24.8	-323	-15293	LU 18	8392	4067	34689	2.5	25.96	875	-15510	LU 12	8420	4067	34719	2.5	9.62	Si
44	2X/2Y ø6/24.8	-323	-15496	LU 18	8418	4067	34717	2.5	26.04	875	-15714	LU 12	8447	4067	34747	2.5	9.65	Si
14	2X/2Y ø6/24.8	-323	-15698	LU 18	8445	4067	34745	2.5	26.13	875	-15915	LU 12	8474	4067	34775	2.5	9.69	Si
-17	2X/2Y ø6/24.8	-323	-15896	LU 18	8471	4067	34772	2.5	26.21	875	-16113	LU 12	8500	4067	34802	2.5	9.72	Si
-22	2X/2Y ø6/24.8	-323	-15932	LU 18	8476	4067	34777	2.5	26.22	875	-16149	LU 12	8505	4067	34807	2.5	9.72	Si
770	2X/2Y ø6/25	217	-4388	LU 11	5734	3526	25916	2.5	26.45	381	-4544	LU 12	5755	3526	25937	2.5	15.11	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-22	-235875	165370	-12201	RA 3	-36	-235875	165370	-12201	RA 3	421.6	Si
-17	-232279	164032	-12173	RA 3	-35.5	-232279	164032	-12173	RA 3	411.3	Si
14	-212606	156709	-12021	RA 3	-32.8	-212606	156709	-12021	RA 3	-379.1	Si
44	-192605	149266	-11866	RA 3	-30.1	-192605	149266	-11866	RA 3	-350.6	Si
75	-172379	141737	-11709	RA 3	-27.3	-172379	141737	-11709	RA 3	-321.8	Si
105	-152605	134378	-11556	RA 3	-20.3	-152605	134378	-11556	RA 3	-250.9	Si
136	-132605	126934	-11401	RA 3	-18.8	-132605	126934	-11401	RA 3	-233.1	Si
167	-112605	119490	-11246	RA 3	-17.3	-112605	119490	-11246	RA 3	-215.4	Si
197	-92605	112046	-11092	RA 3	-15.7	-92605	112046	-11092	RA 3	-197.6	Si
228	-72598	104600	-10937	RA 3	-14.2	-72598	104600	-10937	RA 3	-179.8	Si
258	-56040	95353	-10637	RA 9	-12.7	-56040	95353	-10637	RA 9	-162	Si
289	-36695	87927	-10482	RA 9	-11.2	-36695	87927	-10482	RA 9	-144.7	Si
319	-17350	80501	-10328	RA 9	-9.7	-17350	80501	-10328	RA 9	-127.3	Si
350	7068	74948	-10320	RA 3	-8.9	7068	74948	-10320	RA 3	-117.5	Si
420	-58531	-15328	-4744	RA 2	-8	-59637	-13463	-4848	RA 3	-98.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-22	-216181	151399	-11168	QP 2	-33	Si
-17	-213068	150214	-11140	QP 2	-32.6	Si
14	-196045	143735	-10987	QP 2	-30.2	Si
44	-178739	137147	-10833	QP 2	-27.8	Si
75	-161236	130485	-10676	QP 2	-25.5	Si
105	-144126	123972	-10523	QP 2	-18.9	Si
136	-126820	117385	-10368	QP 2	-17.5	Si
167	-109514	110798	-10213	QP 2	-16.2	Si
197	-92208	104210	-10058	QP 2	-14.9	Si
228	-74895	97621	-9904	QP 2	-13.5	Si
258	-57595	91036	-9749	QP 2	-12.2	Si
289	-40289	84448	-9594	QP 2	-10.8	Si
319	-22983	77861	-9439	QP 2	-9.5	Si
350	-11546	69811	-8880	QP 1	-8.2	Si
420	-38062	-15686	-4620	QP 2	-6.4	Si

Pilastrata 4a

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-23	-22		FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-23	-22		FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-23	-22		FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-23	-22		FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-22	350	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-22	350	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-22	350	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-22	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a 39.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 39.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 411.6, 34.4 > 30.

Anomalie geometriche

L'appoggio -22 ha ampiezza nulla.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-22	18.1	1.8	0	1,2	-245409	-577565	-12333	-435647	-1025285	LU 12	1.775	Si
-17	18.1	1.8	0	1,2	-243283	-571715	-12297	-437464	-1028039	LU 12	1.798	Si
14	18.1	1.8	0	1,2	-231656	-539717	-12099	-448271	-1044392	LU 12	1.935	Si
44	18.1	0.9	0	2	-219835	-507187	-11898	-460723	-1062946	LU 12	2.096	Si
75	18.1	0.9	0	2	-207880	-474289	-11694	-474916	-1083545	LU 12	2.285	Si
105	18.1	0.9	0	2	-196193	-442128	-11495	-491388	-1107359	LU 12	2.505	Si
136	18.1	0.9	0	2	-184372	-409598	-11294	-511194	-1135658	LU 12	2.773	Si
167	18.1	0.9	0	2	-172552	-377069	-11092	-532937	-1164600	LU 12	3.089	Si
197	18.1	0.9	0	2	-160731	-344539	-10891	-559254	-1198804	LU 12	3.479	Si
228	18.1	0.9	0	2	-148906	-311998	-10690	-591227	-1238779	LU 12	3.97	Si
258	18.1	0.9	0	2	-136360	-275555	-10001	-621663	-1256255	LU 18	4.559	Si
289	18.1	0.9	0	2	-125481	-245082	-9799	-664340	-1297545	LU 18	5.294	Si
319	18.1	0.9	0	2	-114603	-214609	-9598	-705685	-1321487	LU 18	6.158	Si
350	18.1	0.9	0	2	-103902	-184634	-9400	-756378	-1344081	LU 18	7.28	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24.8	1069	-9873	LU 11	7674	4067	33947	2.5	7.18	387	-9888	LU 12	7676	4067	33950	2.5	19.86	Si
319	2X/2Y ø6/24.8	1069	-10071	LU 11	7700	4067	33975	2.5	7.2	387	-10086	LU 12	7702	4067	33977	2.5	19.93	Si
289	2X/2Y ø6/24.8	1069	-10272	LU 11	7727	4067	34002	2.5	7.23	387	-10287	LU 12	7729	4067	34004	2.5	20	Si
258	2X/2Y ø6/24.8	1069	-10473	LU 11	7754	4067	34030	2.5	7.25	387	-10489	LU 12	7756	4067	34032	2.5	20.07	Si
228	2X/2Y ø6/24.8	1069	-10674	LU 11	7780	4067	34057	2.5	7.28	387	-10690	LU 12	7782	4067	34059	2.5	20.13	Si
197	2X/2Y ø6/24.8	1069	-10876	LU 11	7807	4067	34085	2.5	7.3	387	-10891	LU 12	7809	4067	34087	2.5	20.2	Si
167	2X/2Y ø6/24.8	1069	-11077	LU 11	7834	4067	34112	2.5	7.33	387	-11092	LU 12	7836	4067	34114	2.5	20.27	Si
136	2X/2Y ø6/24.8	1069	-11278	LU 11	7860	4067	34140	2.5	7.35	387	-11294	LU 12	7862	4067	34142	2.5	20.34	Si
105	2X/2Y ø6/24.8	1069	-11480	LU 11	7887	4067	34167	2.5	7.38	387	-11495	LU 12	7889	4067	34170	2.5	20.41	Si
75	2X/2Y ø6/24.8	1069	-11679	LU 11	7913	4067	34195	2.5	7.4	387	-11694	LU 12	7915	4067	34197	2.5	20.48	Si
44	2X/2Y ø6/24.8	1069	-11882	LU 11	7940	4067	34223	2.5	7.43	387	-11898	LU 12	7942	4067	34225	2.5	20.55	Si
14	2X/2Y ø6/24.8	1069	-12083	LU 11	7967	4067	34250	2.5	7.45	387	-12099	LU 12	7969	4067	34252	2.5	20.62	Si
-17	2X/2Y ø6/24.8	1069	-12281	LU 11	7993	4067	34277	2.5	7.48	387	-12297	LU 12	7995	4067	34279	2.5	20.69	Si
-22	2X/2Y ø6/24.8	1069	-12318	LU 11	7998	4067	34282	2.5	7.48	387	-12333	LU 12	8000	4067	34284	2.5	20.7	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-22	-185148	-435642	-9302	RA 3	-59.2	-185148	-435642	-9302	RA 3	1163.1	Si
-17	-183573	-431232	-9274	RA 3	-58.6	-183573	-431232	-9274	RA 3	1148.4	Si
14	-174963	-407114	-9122	RA 3	-55.4	-174963	-407114	-9122	RA 3	1068.3	Si
44	-166209	-382595	-8967	RA 3	-52.1	-166209	-382595	-8967	RA 3	986.9	Si
75	-157356	-357797	-8811	RA 3	-48.9	-157356	-357797	-8811	RA 3	904.8	Si
105	-148702	-333556	-8657	RA 3	-45.6	-148702	-333556	-8657	RA 3	824.7	Si
136	-139948	-309037	-8503	RA 3	-41.8	-139948	-309037	-8503	RA 3	744	Si
167	-131194	-284517	-8348	RA 3	-39.1	-131194	-284517	-8348	RA 3	663.6	Si
197	-122440	-259998	-8193	RA 3	-35.8	-122440	-259998	-8193	RA 3	583.7	Si
228	-113684	-235470	-8038	RA 3	-32.5	-112569	-231484	-7713	RA 9	506.1	Si
258	-104933	-210960	-7883	RA 3	-29.2	-104447	-208343	-7558	RA 9	432.6	Si
289	-96321	-185195	-7403	RA 9	-25.9	-96321	-185195	-7403	RA 9	360.1	Si
319	-87426	-161921	-7574	RA 3	-16.6	-87426	-161921	-7574	RA 3	-201.9	Si
350	-80203	-139277	-7096	RA 9	-14.8	-78815	-137803	-7421	RA 3	-180.9	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-22	-168565	-396188	-8458	QP 2	-53.8	Si
-17	-167269	-392184	-8430	QP 2	-53.3	Si
14	-160180	-370286	-8278	QP 2	-50.5	Si
44	-152974	-348024	-8123	QP 2	-47.6	Si
75	-145686	-325509	-7966	QP 2	-44.7	Si
105	-138561	-303499	-7813	QP 2	-41.9	Si
136	-131355	-281237	-7658	QP 2	-39	Si
167	-124148	-258974	-7504	QP 2	-36.1	Si
197	-116942	-236712	-7349	QP 2	-33.2	Si
228	-109733	-214442	-7194	QP 2	-30.3	Si
258	-102529	-192187	-7039	QP 2	-27.3	Si
289	-95323	-169925	-6884	QP 2	-24.4	Si
319	-88116	-147662	-6729	QP 2	-15.5	Si
350	-81028	-125764	-6577	QP 2	-13.9	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-22	-173234	-407321	-8696	FR 2	-144460	-339666	-339666	1087.7	431	0.021	58.04	0.0184	Si	Si
-17	-171859	-403196	-8668	FR 2	-144812	-339742	-339742	1074.3	429.6	0.0211	58.09	0.0182	Si	Si
14	-164339	-380631	-8516	FR 2	-146877	-340185	-340185	1000.7	421.6	0.0215	58.69	0.0171	Si	Si
44	-156695	-357691	-8361	FR 2	-149249	-340694	-340694	926.1	412.7	0.0219	56.52	0.0152	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-22	-168565	-396188	-8458	QP 2	-144496	-339618	-339618	1058.2	430.9	0.021	58.03	0.0179	Si	Si
-17	-167269	-392184	-8430	QP 2	-144868	-339662	-339662	1045.2	429.5	0.0211	58.08	0.0177	Si	Si
14	-160180	-370286	-8278	QP 2	-147044	-339918	-339918	974.4	421.4	0.0215	58.67	0.0167	Si	Si
44	-152974	-348024	-8123	QP 2	-149541	-340212	-340212	902.6	412.3	0.0219	56.49	0.0149	Si	Si

Pilastrata 5

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	687173	567271	-30414	1084584	895339	LU 12	1.578	Si
20	18.1	1.8	0	1,2,3,4	628673	522652	-30223	1098864	913549	LU 12	1.748	Si
50	18.1	1.8	0	1,2,3,4	567611	476080	-30023	1117484	937282	LU 12	1.969	Si
80	18.1	0.9	0	2,3,4	507328	430102	-29825	1140739	967094	LU 12	2.249	Si
110	18.1	0.9	0	2,3,4	447045	384124	-29628	1160739	997366	LU 12	2.596	Si
140	18.1	0.9	0	2,3,4	386762	338145	-29430	1185095	1036127	LU 12	3.064	Si
420	18.1	2.3	0	2,3,4,5	-264381	-165661	-11782	-926793	-580726	LU 12	3.506	Si
170	18.1	0.9	0	2,3,4	326478	292167	-29233	1196292	1070567	LU 12	3.664	Si
449	18.1	2.3	0	2,3,4,5	-228321	-142935	-11633	-952015	-595985	LU 12	4.17	Si
200	18.1	0.9	0	2,3,4	266325	246288	-29036	1185468	1096278	LU 12	4.451	Si
478	18.1	2.3	0	2,3,4,5	-191632	-119812	-11481	-982367	-614196	LU 12	5.126	Si
230	18.1	0.9	0	2,3,4	205912	200210	-28838	1115705	1084813	LU 12	5.418	Si
770	18.1	1.1	0	5	174632	111015	-9967	967714	615185	LU 12	5.541	Si
260	18.1	0.9	0	2,3,4	145628	154232	-28641	933434	988580	LU 12	6.41	Si
508	18.1	1.1	0	5	-154943	-96690	-11330	-1017257	-634805	LU 12	6.565	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-1537	-27896	LU 18	10059	4223	36415	2.5	6.55	-2029	-27896	LU 18	10059	4223	36415	2.5	4.96	Si
320	2X/2Y ø6/23.9	-1537	-28091	LU 18	10085	4223	36441	2.5	6.56	-2029	-28091	LU 18	10085	4223	36441	2.5	4.97	Si
290	2X/2Y ø6/23.9	-1537	-28288	LU 18	10111	4223	36468	2.5	6.58	-2029	-28288	LU 18	10111	4223	36468	2.5	4.98	Si
260	2X/2Y ø6/23.9	-1537	-28485	LU 18	10137	4223	36495	2.5	6.6	-2029	-28485	LU 18	10137	4223	36495	2.5	5	Si
230	2X/2Y ø6/23.9	-1537	-28683	LU 18	10163	4223	36523	2.5	6.61	-2029	-28683	LU 18	10163	4223	36523	2.5	5.01	Si
200	2X/2Y ø6/23.9	-1537	-28881	LU 18	10190	4223	36550	2.5	6.63	-2029	-28881	LU 18	10190	4223	36550	2.5	5.02	Si
170	2X/2Y ø6/23.9	-1537	-29078	LU 18	10216	4223	36577	2.5	6.65	-2029	-29078	LU 18	10216	4223	36577	2.5	5.04	Si
140	2X/2Y ø6/23.9	-1537	-29275	LU 18	10242	4223	36604	2.5	6.67	-2029	-29275	LU 18	10242	4223	36604	2.5	5.05	Si
110	2X/2Y ø6/23.9	-1537	-29473	LU 18	10268	4223	36631	2.5	6.68	-2029	-29473	LU 18	10268	4223	36631	2.5	5.06	Si
80	2X/2Y ø6/23.9	-1537	-29670	LU 18	10294	4223	36658	2.5	6.7	-2029	-29670	LU 18	10294	4223	36658	2.5	5.07	Si
50	2X/2Y ø6/23.9	-1537	-29868	LU 18	10320	4223	36685	2.5	6.72	-2029	-29868	LU 18	10320	4223	36685	2.5	5.09	Si
20	2X/2Y ø6/23.9	-1537	-30067	LU 18	10347	4223	36712	2.5	6.73	-2029	-30067	LU 18	10347	4223	36712	2.5	5.1	Si
-10	2X/2Y ø6/23.9	-1537	-30259	LU 18	10372	4223	36738	2.5	6.75	-2029	-30259	LU 18	10372	4223	36738	2.5	5.11	Si
770	2X/2Y ø6/24.8	801	-9683	LU 11	6423	3562	26629	2.5	8.02	1258	-9967	LU 12	6460	3562	26667	2.5	5.14	Si
741	2X/2Y ø6/24.8	801	-9832	LU 11	6443	3562	26649	2.5	8.04	1258	-10116	LU 12	6480	3562	26687	2.5	5.15	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	518706	428174	-22956	RA 3	-87.5	518706	428174	-22956	RA 3	1213.6	Si
20	474321	394578	-22808	RA 3	-79.5	474321	394578	-22808	RA 3	1037.8	Si
50	427994	359512	-22654	RA 3	-71.1	427994	359512	-22654	RA 3	859.4	Si
80	382257	324893	-22503	RA 3	-62.9	382257	324893	-22503	RA 3	-725.8	Si
110	336520	290274	-22351	RA 3	-54.9	336520	290274	-22351	RA 3	-642.1	Si
140	290783	255655	-22199	RA 3	-47	290783	255655	-22199	RA 3	-559.7	Si
420	-196802	-125999	-8959	RA 3	-39.7	-194206	-127029	-8770	RA 2	513	Si
170	245046	221035	-22047	RA 3	-39.6	245046	221035	-22047	RA 3	-480	Si
449	-169935	-108702	-8845	RA 3	-33.9	-167820	-109568	-8655	RA 2	395.6	Si
200	199407	186490	-21895	RA 3	-32.7	199407	186490	-21895	RA 3	-405.2	Si
478	-142600	-91103	-8728	RA 3	-28	-142600	-91103	-8728	RA 3	-313.2	Si
770	130281	84585	-7563	RA 3	-25.9	130281	84585	-7563	RA 3	-287.2	Si
230	153571	151797	-21743	RA 3	-25.7	153571	151797	-21743	RA 3	-328.7	Si
260	107834	117177	-21591	RA 3	-21.4	107834	117177	-21591	RA 3	-278.6	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
508	-115265	-73504	-8611	RA 3	-18.5	-115265	-73504	-8611	RA 3	-222.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	472245	389709	-20889	QP 2	-79.7	Si
20	430803	359553	-20741	QP 2	-72.3	Si
50	387546	328078	-20588	QP 2	-64.6	Si
80	344841	297003	-20436	QP 2	-57.1	Si
110	302136	265929	-20284	QP 2	-49.7	Si
140	259431	234854	-20132	QP 2	-42.5	Si
170	216725	203780	-19980	QP 2	-35.7	Si
420	-166135	-119790	-8430	QP 2	-35	Si
449	-143382	-103282	-8315	QP 2	-29.8	Si
200	174112	172772	-19828	QP 2	-27.1	Si
478	-120232	-86486	-8198	QP 2	-24.5	Si
230	131315	141631	-19676	QP 2	-23.1	Si
260	88610	110556	-19524	QP 2	-19.1	Si
770	110869	81184	-7034	QP 2	-17.9	Si
508	-97083	-69690	-8082	QP 2	-16.6	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
20	441973	368536	-21270	FR 2	294908	245907	245907	968.1	253.6	0.0357	45.31	0.0128	Si	Si
-10	484122	399547	-21417	FR 2	290236	239532	239532	1132.9	266.9	0.0508	37.31	0.0123	Si	Si
50	397978	336169	-21116	FR 2	301061	254304	254304	800.9	237.1	0.0382	42.74	0.01	Si	Si
80	354544	304213	-20964	FR 2	308996	265131	265131	642.5	217.5	0.0416	40.95	0.0077	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
20	430803	359553	-20741	QP 2	294786	246032	246032	943.9	253.5	0.0357	45.31	0.0125	Si	Si
-10	472245	389709	-20889	QP 2	290240	239514	239514	1105.1	267	0.0508	37.32	0.012	Si	Si
50	387546	328078	-20588	QP 2	300777	254623	254623	780.4	236.9	0.0382	42.73	0.0097	Si	Si
80	344841	297003	-20436	QP 2	308510	265712	265712	625.5	217.4	0.0416	40.94	0.0075	Si	Si

Pilastrata 6

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -23.2, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -23.2 a -22, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-190585	-107895	-10239	-1005298	-569124	LU 12	5.275	Si
770	18.1	1.1	0	5	169988	96332	-8425	987055	559364	LU 12	5.807	Si
350	18.1	0.9	0	2,3,4	197406	172768	-17560	1209297	1058366	LU 12	6.126	Si
449	18.1	2.3	0	2,3,4,5	-160968	-91120	-10090	-1031876	-584118	LU 12	6.41	Si
-10	18.1	1.8	0	1,2,3,4	-258683	44825	-19922	-1761732	305276	LU 12	6.81	Si
320	18.1	0.9	0	2,3,4	159928	158675	-17754	1145672	1136701	LU 12	7.164	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
741	18.1	1.1	0	5	140371	79557	-8574	1026621	581852	LU 12	7.314	Si
20	18.1	1.8	0	1,2,3,4	-221697	44394	-19731	-1667327	333876	LU 12	7.521	Si
478	18.1	2.3	0	2,3,4,5	-130834	-74052	-9939	-1061451	-600782	LU 12	8.113	Si
50	18.1	1.8	0	1,2,3,4	-183092	43944	-19531	-1525430	366120	LU 12	8.331	Si
290	18.1	0.9	0	2,3,4	121814	144344	-17951	1022713	1211866	LU 12	8.396	Si
80	18.1	0.9	0	2,3,4	-144979	44026	-19333	-1341205	407283	LU 12	9.251	Si
260	18.1	0.9	0	2,3,4	80291	129549	-18434	757861	1222800	LU 18	9.439	Si
712	18.1	1.1	0	5	110237	62489	-8725	1066063	604314	LU 12	9.671	Si
110	18.1	0.9	0	2,3,4	-106865	58357	-19136	-1084858	592417	LU 12	10.152	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	596	-7373	LU 10	6123	3562	26318	2.5	10.27	1033	-8425	LU 12	6260	3562	26459	2.5	6.06	Si
741	2X/2Y ø6/24.8	596	-7522	LU 10	6142	3562	26338	2.5	10.3	1033	-8574	LU 12	6279	3562	26479	2.5	6.08	Si
712	2X/2Y ø6/24.8	596	-7674	LU 10	6162	3562	26358	2.5	10.34	1033	-8725	LU 12	6299	3562	26500	2.5	6.1	Si
683	2X/2Y ø6/24.8	596	-7826	LU 10	6182	3562	26378	2.5	10.37	1033	-8877	LU 12	6319	3562	26520	2.5	6.12	Si
653	2X/2Y ø6/24.8	596	-7977	LU 10	6201	3562	26399	2.5	10.4	1033	-9029	LU 12	6338	3562	26540	2.5	6.13	Si
624	2X/2Y ø6/24.8	596	-8129	LU 10	6221	3562	26419	2.5	10.43	1033	-9180	LU 12	6358	3562	26561	2.5	6.15	Si
595	2X/2Y ø6/24.8	596	-8281	LU 10	6241	3562	26440	2.5	10.47	1033	-9332	LU 12	6378	3562	26581	2.5	6.17	Si
566	2X/2Y ø6/24.8	596	-8432	LU 10	6261	3562	26460	2.5	10.5	1033	-9484	LU 12	6397	3562	26602	2.5	6.19	Si
537	2X/2Y ø6/24.8	596	-8584	LU 10	6280	3562	26481	2.5	10.53	1033	-9635	LU 12	6417	3562	26622	2.5	6.21	Si
508	2X/2Y ø6/24.8	596	-8736	LU 10	6300	3562	26501	2.5	10.57	1033	-9787	LU 12	6437	3562	26642	2.5	6.23	Si
478	2X/2Y ø6/24.8	596	-8887	LU 10	6320	3562	26521	2.5	10.6	1033	-9939	LU 12	6457	3562	26663	2.5	6.25	Si
449	2X/2Y ø6/24.8	596	-9039	LU 10	6340	3562	26542	2.5	10.63	1033	-10090	LU 12	6476	3562	26683	2.5	6.27	Si
420	2X/2Y ø6/24.8	596	-9188	LU 10	6359	3562	26562	2.5	10.67	1033	-10239	LU 12	6496	3562	26703	2.5	6.29	Si
350	2X/2Y ø6/23.9	478	-17267	LU 11	8653	4223	34960	2.5	18.12	1266	-17267	LU 11	8653	4223	34960	2.5	6.83	Si
320	2X/2Y ø6/23.9	478	-17461	LU 11	8678	4223	34986	2.5	18.17	1266	-17461	LU 11	8678	4223	34986	2.5	6.85	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	-141649	-83299	-7769	RA 3	-27.2	-141649	-83299	-7769	RA 3	-300.3	Si
770	126122	74193	-6373	RA 3	-24.4	124449	74671	-6180	RA 2	289.1	Si
350	144614	132141	-13254	RA 3	-20.5	144614	132141	-13254	RA 3	-255.8	Si
320	117314	121361	-13403	RA 3	-18.6	117314	121361	-13403	RA 3	-233.5	Si
449	-119655	-70363	-7654	RA 3	-18.1	-115879	-69582	-8116	RA 9	-215.4	Si
-10	-187604	957	-15071	RA 3	-16.6	-187604	957	-15071	RA 3	-213.7	Si
290	89552	110398	-13555	RA 3	-16.6	89552	110398	-13555	RA 3	-210.8	Si
20	-160663	11595	-14924	RA 3	-15.7	-160663	11595	-14924	RA 3	-202.8	Si
741	104128	61256	-6487	RA 3	-15.6	100320	60726	-6950	RA 9	-186.3	Si
478	-97276	-57201	-7537	RA 3	-15.4	-94259	-56551	-8000	RA 9	-186.4	Si
50	-132543	22699	-14770	RA 3	-14.7	-132543	22699	-14770	RA 3	-191.4	Si
260	61791	99436	-13707	RA 3	-14.6	61791	99436	-13707	RA 3	-188.1	Si
80	-104781	33661	-14618	RA 3	-13.7	-104781	33661	-14618	RA 3	-180.1	Si
712	81749	48094	-6604	RA 3	-13.1	78700	47695	-7066	RA 9	-159.1	Si
110	-77019	44624	-14466	RA 3	-12.8	-77019	44624	-14466	RA 3	-168.9	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	-118546	-84900	-7220	QP 2	-24.4	Si
350	111339	128688	-12041	QP 2	-18	Si
320	91027	118184	-12190	QP 2	-16.5	Si
449	-100224	-71786	-7105	QP 2	-16.4	Si
770	104519	74750	-5824	QP 2	-16.3	Si
290	70371	107502	-12342	QP 2	-14.9	Si
741	86196	61637	-5939	QP 2	-14	Si
478	-81582	-58444	-6989	QP 2	-14	Si
-10	-135849	861	-13858	QP 2	-13.3	Si
260	49715	96821	-12494	QP 2	-13.3	Si
20	-115803	11227	-13711	QP 2	-12.7	Si
50	-94880	22047	-13557	QP 2	-12.1	Si
712	67554	48294	-6055	QP 2	-11.8	Si
230	29058	86139	-12646	QP 2	-11.6	Si
508	-62940	-45102	-6872	QP 2	-11.6	Si

Pilastrata 7

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 14.8, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 14.8 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometriche

L'appoggio -22 ha ampiezza nulla.

Anomalie quantitativo di acciaio

Sezione a quota -16 in Campata da -22 a 408, percentuale acciaio = 0.087% < 0.3%.
Sezione a quota -10 in Campata da -22 a 408, percentuale acciaio = 0.174% < 0.3%.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-22	0	0.9	0	1	163888	-16375	-7278	0	0	LU 1	0	No
-17	1.47	0.9	0	1	259367	-26000	-11556	500191	-50142	LU 18	1.929	Si
420	18.1	2.3	0	2,3,4,5	44881	-156499	-4888	284914	-993487	LU 10	6.348	Si
14	17.38	1.8	0	1,2,3,4	245795	25555	-11358	1746706	181602	LU 18	7.106	Si
44	18.1	1.8	0	1,2,3,4	231997	25102	-11156	1805340	195337	LU 18	7.782	Si
449	18.1	2.3	0	2,3,4,5	40357	-133952	-4739	315238	-1046342	LU 10	7.811	Si
770	18.1	1.1	0	5	-10204	118002	-3073	-82643	955747	LU 10	8.099	Si
75	18.1	0.9	0	2,3,4	218043	31834	-10953	1799540	262729	LU 18	8.253	Si
105	18.1	0.9	0	2,3,4	204402	43584	-10754	1758274	374912	LU 18	8.602	Si
136	18.1	0.9	0	2,3,4	190605	55469	-10553	1673051	486886	LU 18	8.778	Si
167	18.1	0.9	0	2,3,4	176807	67354	-10351	1579228	601603	LU 18	8.932	Si
197	18.1	0.9	0	2,3,4	163010	79239	-10150	1479133	719010	LU 18	9.074	Si
228	18.1	0.9	0	2,3,4	149207	91129	-9949	1373002	838563	LU 18	9.202	Si
258	18.1	0.9	0	2,3,4	135414	103009	-9747	1261085	959304	LU 18	9.313	Si
289	18.1	0.9	0	2,3,4	121617	114894	-9546	1141841	1078724	LU 18	9.389	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	787	-3073	LU 10	5563	3562	25739	2.5	7.07	-158	-3073	LU 10	5563	3562	25739	2.5	35.25	Si
741	2X/2Y ø6/24.8	787	-3222	LU 10	5583	3562	25759	2.5	7.1	-158	-3222	LU 10	5583	3562	25759	2.5	35.37	Si
712	2X/2Y ø6/24.8	787	-3374	LU 10	5602	3562	25779	2.5	7.12	-158	-3374	LU 10	5602	3562	25779	2.5	35.5	Si
683	2X/2Y ø6/24.8	787	-3526	LU 10	5622	3562	25800	2.5	7.15	-158	-3526	LU 10	5622	3562	25800	2.5	35.62	Si
653	2X/2Y ø6/24.8	787	-3677	LU 10	5642	3562	25820	2.5	7.17	-158	-3677	LU 10	5642	3562	25820	2.5	35.75	Si
624	2X/2Y ø6/24.8	787	-3829	LU 10	5662	3562	25840	2.5	7.2	-158	-3829	LU 10	5662	3562	25840	2.5	35.87	Si
595	2X/2Y ø6/24.8	787	-3981	LU 10	5681	3562	25861	2.5	7.22	-158	-3981	LU 10	5681	3562	25861	2.5	36	Si
566	2X/2Y ø6/24.8	787	-4132	LU 10	5701	3562	25881	2.5	7.25	-158	-4132	LU 10	5701	3562	25881	2.5	36.12	Si
537	2X/2Y ø6/24.8	787	-4284	LU 10	5721	3562	25902	2.5	7.27	-158	-4284	LU 10	5721	3562	25902	2.5	36.25	Si
508	2X/2Y ø6/24.8	787	-4436	LU 10	5741	3562	25922	2.5	7.3	-158	-4436	LU 10	5741	3562	25922	2.5	36.37	Si
478	2X/2Y ø6/24.8	787	-4587	LU 10	5760	3562	25943	2.5	7.32	-158	-4587	LU 10	5760	3562	25943	2.5	36.5	Si
449	2X/2Y ø6/24.8	787	-4739	LU 10	5780	3562	25963	2.5	7.35	-158	-4739	LU 10	5780	3562	25963	2.5	36.62	Si
420	2X/2Y ø6/24.8	787	-4888	LU 10	5799	3562	25983	2.5	7.37	-158	-4888	LU 10	5799	3562	25983	2.5	36.74	Si
350	2X/2Y ø6/23.9	381	-7710	LU 15	7388	4223	33651	2.5	19.38	-451	-9147	LU 18	7578	4223	33848	2.5	16.8	Si
319	2X/2Y ø6/23.9	381	-7908	LU 15	7414	4223	33679	2.5	19.45	-451	-9345	LU 18	7604	4223	33875	2.5	16.86	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-22	196417	-4495	-8698	RA 9	-17.5	0	0	0		0	Si
-17	194539	-2858	-8670	RA 9	-17	194539	-2858	-8670	RA 9	-209.8	Si
14	184268	6096	-8518	RA 9	-14	184268	6096	-8518	RA 9	-173.2	Si
44	173827	15198	-8363	RA 9	-13.7	173827	15198	-8363	RA 9	-170.2	Si
75	163267	24404	-8207	RA 9	-13.6	163267	24404	-8207	RA 9	-168.3	Si
420	32081	-121371	-4228	RA 6	-13.5	31017	-121140	-4361	RA 8	-158.3	Si
105	152944	33404	-8054	RA 9	-13.4	152944	33404	-8054	RA 9	-166.5	Si
136	142502	42507	-7899	RA 9	-13.3	142502	42507	-7899	RA 9	-164.7	Si
167	132061	51610	-7744	RA 9	-13.2	132061	51610	-7744	RA 9	-162.9	Si
197	121619	60713	-7589	RA 9	-13	121619	60713	-7589	RA 9	-161	Si
228	111174	69819	-7434	RA 9	-12.9	111174	69819	-7434	RA 9	-159.2	Si
258	100736	78918	-7280	RA 9	-12.7	100736	78918	-7280	RA 9	-157.4	Si
289	90294	88021	-7125	RA 9	-12.6	90294	88021	-7125	RA 9	-155.5	Si
319	79853	97124	-6970	RA 9	-12.5	79853	97124	-6970	RA 9	-153.7	Si
350	69582	106078	-6818	RA 9	-12.3	69582	106078	-6818	RA 9	-151.9	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-22	171883	-4304	-7625	QP 2	-15.4	Si
-17	170167	-2702	-7598	QP 2	-14.9	Si
420	34524	-120384	-3760	QP 1	-13.4	Si
14	160782	6061	-7445	QP 2	-12.2	Si
44	151241	14970	-7290	QP 2	-12	Si
75	141592	23980	-7134	QP 2	-11.9	Si
105	132159	32788	-6981	QP 2	-11.8	Si
449	31043	-103040	-3645	QP 1	-11.8	Si
136	122618	41697	-6826	QP 2	-11.7	Si
167	113077	50606	-6671	QP 2	-11.6	Si
197	103536	59515	-6516	QP 2	-11.5	Si
228	93992	68427	-6361	QP 2	-11.4	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
258	84454	77332	-6207	QP 2	-11.3	Si
289	74914	86241	-6052	QP 2	-11.2	Si
319	65373	95150	-5897	QP 2	-11.1	Si

Pilastrata 8

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x65	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x60	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-27.2	1.8	2.540	-52	-10	R 45x65	FeB 32k liscio LC1
p.1	17.2	-27.2	1.8	2.540	-52	-10	R 45x65	FeB 32k liscio LC1
p.1	17.2	27.2	1.8	2.540	-52	-10	R 45x65	FeB 32k liscio LC1
p.1	-17.2	27.2	1.8	2.540	-52	-10	R 45x65	FeB 32k liscio LC1
p.2	-17.2	-27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.3	17.2	-27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.3	-17.2	27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.4	17.2	27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.5	-12.2	-22.2	1.8	2.540	420	770	R 40x60	FeB 32k liscio LC1
p.5	17.2	-22.2	1.8	2.540	420	770	R 40x60	FeB 32k liscio LC1
p.5	17.2	27.2	1.8	2.540	420	770	R 40x60	FeB 32k liscio LC1
p.5	-12.2	27.2	1.8	2.540	420	770	R 40x60	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -52 a -10, 54.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 54.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 54.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 51.9 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 420 a 481.6, 49.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 481.6 a 770, 49.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 770 a 831.6, 49.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.2	0	1,2,3,4	1613313	-80522	-35788	2441644	-121865	LU 10	1.513	Si
20	18.1	1.2	0	1,2,3,4	1414560	-79899	-35511	2730042	-154203	LU 10	1.93	Si
50	18.1	1.2	0	1,2,3,4	1207107	-79249	-35222	3074451	-201845	LU 10	2.547	Si
80	18.1	0.6	0	2,3,4	1002298	78608	-34937	3399431	266609	LU 10	3.392	Si
350	18.1	0.6	0	2,3,4	-837577	151116	-32375	-3261849	588505	LU 10	3.894	Si
110	18.1	0.6	0	2,3,4	791956	91020	-40453	3493760	401539	LU 18	4.412	Si
320	18.1	0.6	0	2,3,4	-638461	137657	-33711	-3248518	700406	LU 13	5.088	Si
140	18.1	0.6	0	2,3,4	593080	90378	-40168	3188463	485884	LU 18	5.376	Si
290	18.1	0.6	0	2,3,4	-401304	121851	-38742	-2557876	776670	LU 18	6.374	Si
170	18.1	0.6	0	2,3,4	394203	89737	-39883	2536721	577460	LU 18	6.435	Si
260	18.1	0.6	0	2,3,4	-202427	103118	-39027	-1556493	792887	LU 18	7.689	Si
200	18.1	0.6	0	2,3,4	196991	89138	-39617	1520058	687824	LU 12	7.716	Si
230	18.1	0.6	0	2,3,4	-127826	88495	-39331	-1011653	700375	LU 12	7.914	Si
420	18.1	1.5	0	2,3,4,5	264436	87923	-17527	2296860	763687	LU 12	8.686	Si
449	18.1	1.5	0	2,3,4,5	225892	69157	-18476	2224165	680929	LU 18	9.846	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	624	-38177	LU 18	14250	4203	52309	2.5	22.82	-6827	-32375	LU 10	12957	6320	53631	2.5	1.9	Si
320	2X/2Y ø6/24	624	-38457	LU 18	14287	4203	52348	2.5	22.88	-6827	-32655	LU 10	12996	6320	53671	2.5	1.9	Si
290	2X/2Y ø6/24	624	-38742	LU 18	14325	4203	52387	2.5	22.94	-6827	-32940	LU 10	13035	6320	53712	2.5	1.91	Si
260	2X/2Y ø6/24	624	-39027	LU 18	14363	4203	52426	2.5	23	-6827	-33226	LU 10	13074	6320	53752	2.5	1.92	Si
230	2X/2Y ø6/24	624	-39313	LU 18	14400	4203	52465	2.5	23.06	-6827	-33511	LU 10	13114	6320	53793	2.5	1.92	Si
200	2X/2Y ø6/24	624	-39598	LU 18	14438	4203	52504	2.5	23.12	-6827	-33797	LU 10	13153	6320	53834	2.5	1.93	Si
170	2X/2Y ø6/24	624	-39883	LU 18	14476	4203	52543	2.5	23.18	-6827	-34081	LU 10	13192	6320	53874	2.5	1.93	Si
140	2X/2Y ø6/24	624	-40168	LU 18	14513	4203	52582	2.5	23.24	-6827	-34366	LU 10	13231	6320	53915	2.5	1.94	Si
110	2X/2Y ø6/24	624	-40453	LU 18	14551	4203	52621	2.5	23.3	-6827	-34652	LU 10	13271	6320	53956	2.5	1.94	Si
80	2X/2Y ø6/24	624	-40738	LU 18	14589	4203	52660	2.5	23.36	-6827	-34937	LU 10	13310	6320	53996	2.5	1.95	Si
50	2X/2Y ø6/24	624	-41024	LU 18	14627	4203	52699	2.5	23.42	-6827	-35222	LU 10	13349	6320	54037	2.5	1.96	Si
20	2X/2Y ø6/24	624	-41313	LU 18	14665	4203	52739	2.5	23.48	-6827	-35511	LU 10	13389	6320	54078	2.5	1.96	Si
-10	2X/2Y ø6/24	624	-41589	LU 18	14702	4203	52776	2.5	23.54	-6827	-35788	LU 10	13427	6320	54117	2.5	1.97	Si
770	2X/2Y ø6/25	-423	-14804	LU 12	9672	3526	39980	2.5	22.84	-1700	-13522	LU 10	8940	5559	41834	2.5	5.26	Si
741	2X/2Y ø6/25	-423	-15028	LU 12	9701	3526	40010	2.5	22.91	-1700	-13746	LU 10	8971	5559	41866	2.5	5.28	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	1242474	-34384	-28927	RA 8	-60.2	1241010	-26853	-27529	RA 1	1223.9	Si
20	1089695	-21745	-28714	RA 8	-51.8	1088123	-15249	-27316	RA 1	938	Si
50	932782	-5988	-27798	RA 4	-43.1	928544	-3137	-27094	RA 1	652.9	Si
350	-646439	117906	-25608	RA 4	-36.6	-646439	117906	-25608	RA 4	-459.5	Si
80	770998	8821	-26874	RA 1	-35.5	774596	6422	-27579	RA 4	-449.2	Si
110	609765	9070	-30523	RA 9	-26	609765	9070	-30523	RA 9	-349.5	Si
320	-465370	107655	-28987	RA 9	-25.6	-465370	107655	-28987	RA 9	-338.7	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
140	456174	23153	-30304	RA 9	-21.8	456174	23153	-30304	RA 9	-303.8	Si
290	-311779	93571	-29207	RA 9	-21	-311779	93571	-29207	RA 9	-282.5	Si
170	302583	37237	-30084	RA 9	-18.9	302583	37237	-30084	RA 9	-258.2	Si
260	-158188	79488	-29426	RA 9	-16.5	-158188	79488	-29426	RA 9	-226.3	Si
420	210480	58272	-14133	RA 9	-15.5	210480	58272	-14133	RA 9	-201.3	Si
200	149323	51290	-29865	RA 9	-15.3	149323	51290	-29865	RA 9	-212.7	Si
449	177473	50173	-13961	RA 9	-13.9	177473	50173	-13961	RA 9	-181.9	Si
770	-191358	-40323	-12039	RA 9	-13.1	-191358	-40323	-12039	RA 9	-171.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	1241010	-26853	-27529	QP 1	-59.6	Si
20	1088123	-15249	-27316	QP 1	-51.3	Si
50	928544	-3137	-27094	QP 1	-42.7	Si
350	-644290	116243	-24904	QP 1	-36.5	Si
80	770998	8821	-26874	QP 1	-35.5	Si
110	611055	17167	-27714	QP 2	-25.5	Si
320	-480233	104050	-26178	QP 2	-25	Si
140	455157	29579	-27494	QP 2	-21.8	Si
290	-324335	91638	-26397	QP 2	-20.4	Si
170	299259	41991	-27275	QP 2	-18.1	Si
260	-168436	79226	-26617	QP 2	-15.9	Si
420	230524	43210	-12650	QP 2	-14.8	Si
200	143696	54376	-27056	QP 2	-14.4	Si
449	194174	37257	-12478	QP 2	-13.2	Si
770	-212015	-29256	-10556	QP 2	-12.7	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-10	1241010	-26853	-27529	FR 1	1114992	-24126	-24126	1223.9	623.3	0.0145	70.92	0.0253	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-10	1241010	-26853	-27529	QP 1	1114992	-24126	-24126	1223.9	623.3	0.0145	70.92	0.0253	Si	Si

Pilastrata 9

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -35 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	434511	-28547	-12688	1347523	-88531	LU 10	3.101	Si
350	18.1	0.9	0	2,3,4	-358253	97933	-10325	-1249131	341467	LU 10	3.487	Si
420	18.1	2.3	0	2,3,4,5	250599	34243	-5625	881572	120463	LU 10	3.518	Si
20	18.1	1.8	0	1,2,3,4	370223	28116	-12496	1494087	113466	LU 10	4.036	Si
770	18.1	1.1	0	5	-192728	-20216	-3810	-835108	-87599	LU 10	4.333	Si
449	18.1	2.3	0	2,3,4,5	214184	29770	-5476	939923	130642	LU 10	4.388	Si
320	18.1	0.9	0	2,3,4	-293109	89723	-10519	-1395311	427115	LU 10	4.76	Si
50	18.1	1.8	0	1,2,3,4	303120	27666	-12296	1679109	153253	LU 10	5.539	Si
478	18.1	2.3	0	2,3,4,5	177134	25219	-5324	1026899	146200	LU 10	5.797	Si
741	18.1	1.1	0	5	-156313	-15743	-3959	-939738	-94645	LU 10	6.012	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
290	18.1	0.9	0	2,3,4	-226862	81373	-10716	-1533213	549949	LU 10	6.758	Si
80	18.1	0.9	0	2,3,4	254440	35607	-15825	1840971	257627	LU 12	7.235	Si
508	18.1	1.1	0	5	140085	20667	-5173	1150588	169752	LU 10	8.214	Si
110	18.1	0.9	0	2,3,4	187783	35162	-15628	1712165	320603	LU 12	9.118	Si
712	18.1	1.1	0	5	-119264	-11192	-4111	-1128107	-105862	LU 10	9.459	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	301	-13657	LU 11	8175	4203	34465	2.5	27.14	-2208	-10325	LU 10	7734	4203	34009	2.5	3.5	Si
320	2X/2Y ø6/24	301	-13851	LU 11	8201	4203	34492	2.5	27.22	-2208	-10519	LU 10	7760	4203	34036	2.5	3.51	Si
290	2X/2Y ø6/24	301	-14048	LU 11	8227	4203	34519	2.5	27.31	-2208	-10716	LU 10	7786	4203	34063	2.5	3.53	Si
260	2X/2Y ø6/24	301	-14246	LU 11	8253	4203	34546	2.5	27.4	-2208	-10914	LU 10	7812	4203	34090	2.5	3.54	Si
230	2X/2Y ø6/24	301	-14443	LU 11	8279	4203	34573	2.5	27.48	-2208	-11111	LU 10	7838	4203	34117	2.5	3.55	Si
200	2X/2Y ø6/24	301	-14641	LU 11	8305	4203	34600	2.5	27.57	-2208	-11309	LU 10	7864	4203	34144	2.5	3.56	Si
170	2X/2Y ø6/24	301	-14838	LU 11	8331	4203	34627	2.5	27.66	-2208	-11506	LU 10	7890	4203	34171	2.5	3.57	Si
140	2X/2Y ø6/24	301	-15035	LU 11	8357	4203	34654	2.5	27.74	-2208	-11704	LU 10	7917	4203	34198	2.5	3.58	Si
110	2X/2Y ø6/24	301	-15233	LU 11	8384	4203	34681	2.5	27.83	-2208	-11901	LU 10	7943	4203	34225	2.5	3.6	Si
80	2X/2Y ø6/24	301	-15430	LU 11	8410	4203	34708	2.5	27.92	-2208	-12099	LU 10	7969	4203	34252	2.5	3.61	Si
50	2X/2Y ø6/24	301	-15628	LU 11	8436	4203	34735	2.5	28	-2208	-12296	LU 10	7995	4203	34279	2.5	3.62	Si
20	2X/2Y ø6/24	301	-15828	LU 11	8462	4203	34763	2.5	28.09	-2208	-12496	LU 10	8021	4203	34307	2.5	3.63	Si
-10	2X/2Y ø6/24	301	-16019	LU 11	8488	4203	34789	2.5	28.17	-2208	-12688	LU 10	8047	4203	34333	2.5	3.64	Si
770	2X/2Y ø6/25	-197	-4242	LU 12	5715	3526	25896	2.5	29.05	-1270	-3810	LU 10	5659	3526	25838	2.5	4.46	Si
741	2X/2Y ø6/25	-197	-4391	LU 12	5735	3526	25916	2.5	29.15	-1270	-3959	LU 10	5679	3526	25858	2.5	4.47	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
350	-275579	75333	-7942	RA 1	-32.5	-275579	75333	-7942	RA 1	566.1	Si
-10	346765	-1626	-12244	RA 3	-31.3	334239	-1527	-9760	RA 1	559.7	Si
420	191260	27532	-4894	RA 4	-26.7	192768	26341	-4327	RA 1	518.9	Si
20	297047	5084	-12097	RA 3	-27.1	284787	4706	-9612	RA 1	425	Si
449	164757	22900	-4212	RA 1	-22.9	164757	22900	-4212	RA 1	418.8	Si
320	-225469	69018	-8092	RA 1	-27	-225469	69018	-8092	RA 1	401.7	Si
50	245154	12089	-11943	RA 3	-18.9	245154	12089	-11943	RA 3	-235.3	Si
290	-164552	67470	-10790	RA 9	-17.1	-164552	67470	-10790	RA 9	-212.3	Si
80	193921	19004	-11791	RA 3	-16.5	193921	19004	-11791	RA 3	-207.2	Si
478	133598	20750	-5154	RA 8	-14.1	133598	20750	-5154	RA 8	-166.4	Si
110	142688	25920	-11639	RA 3	-14.1	142098	25955	-11701	RA 9	-179.2	Si
260	-113443	60551	-10942	RA 9	-14	-113443	60551	-10942	RA 9	-177.8	Si
770	-144584	-16709	-3990	RA 8	-14	-144584	-16709	-3990	RA 8	-162.7	Si
741	-117196	-13021	-4104	RA 8	-11.8	-117196	-13021	-4104	RA 8	-138.5	Si
508	105732	16998	-5038	RA 8	-11.7	105732	16998	-5038	RA 8	-139.9	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
350	-275579	75333	-7942	QP 1	-32.5	Si
-10	337492	-1557	-10426	QP 2	-30.5	Si
320	-225469	69018	-8092	QP 1	-27	Si
420	192768	26341	-4327	QP 1	-26.7	Si
20	287997	4810	-10279	QP 2	-26.3	Si
449	164757	22900	-4212	QP 1	-22.9	Si
50	236336	11455	-10125	QP 2	-17.6	Si
290	-171689	63939	-8910	QP 2	-16.4	Si
80	185333	18015	-9973	QP 2	-15.2	Si
478	136257	19399	-4096	QP 1	-13.6	Si
770	-148252	-15551	-2931	QP 1	-13.6	Si
260	-120686	57378	-9062	QP 2	-13.4	Si
110	134330	24576	-9821	QP 2	-12.7	Si
741	-120241	-12110	-3046	QP 1	-11.4	Si
508	107757	15898	-3979	QP 1	-11.2	Si

Pilastrata 9A

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2,3,4	-251646	217907	-8178	-978065	846932	LU 10	3.887	Si
420	18.1	2.3	0	2,3,4,5	171752	-146725	-5036	741589	-633529	LU 10	4.318	Si
320	18.1	0.9	0	2,3,4	-211713	199921	-8373	-975304	920984	LU 10	4.607	Si
449	18.1	2.3	0	2,3,4,5	146983	-125118	-4887	759747	-646727	LU 10	5.169	Si
770	18.1	1.1	0	5	-129792	116332	-3221	-702858	629968	LU 10	5.415	Si
290	18.1	0.9	0	2,3,4	-171103	181631	-8570	-961415	1020574	LU 10	5.619	Si
-10	18.1	1.8	0	1,2,3,4	288950	-29087	-12927	1758300	-176997	LU 18	6.085	Si
478	18.1	2.3	0	2,3,4,5	121783	-103134	-4735	784667	-664509	LU 10	6.443	Si
741	18.1	1.1	0	5	-105023	94725	-3370	-732714	660862	LU 10	6.977	Si
260	18.1	0.9	0	2,3,4	-130493	163341	-8767	-920387	1152073	LU 10	7.053	Si
20	18.1	1.8	0	1,2,3,4	246556	28656	-12736	1840221	213877	LU 18	7.464	Si
508	18.1	1.1	0	5	96582	-81149	-4584	816448	-685991	LU 10	8.453	Si
50	18.1	1.8	0	1,2,3,4	202307	39629	-12536	1791152	350858	LU 18	8.854	Si
230	18.1	0.9	0	2,3,4	-89883	145051	-8965	-832256	1343078	LU 10	9.259	Si
712	18.1	1.1	0	5	-79823	72740	-3522	-772490	703949	LU 10	9.678	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	697	-10442	LU 12	7750	4203	34025	2.5	11.12	-1456	-10565	LU 18	7766	4203	34042	2.5	5.33	Si
320	2X/2Y ø6/24	697	-10636	LU 12	7775	4203	34052	2.5	11.16	-1456	-10759	LU 18	7792	4203	34069	2.5	5.35	Si
290	2X/2Y ø6/24	697	-10834	LU 12	7801	4203	34079	2.5	11.2	-1456	-10956	LU 18	7818	4203	34096	2.5	5.37	Si
260	2X/2Y ø6/24	697	-11031	LU 12	7828	4203	34106	2.5	11.24	-1456	-11154	LU 18	7844	4203	34123	2.5	5.39	Si
230	2X/2Y ø6/24	697	-11228	LU 12	7854	4203	34133	2.5	11.27	-1456	-11351	LU 18	7870	4203	34150	2.5	5.4	Si
200	2X/2Y ø6/24	697	-11426	LU 12	7880	4203	34160	2.5	11.31	-1456	-11549	LU 18	7896	4203	34177	2.5	5.42	Si
170	2X/2Y ø6/24	697	-11623	LU 12	7906	4203	34187	2.5	11.35	-1456	-11746	LU 18	7922	4203	34204	2.5	5.44	Si
140	2X/2Y ø6/24	697	-11821	LU 12	7932	4203	34214	2.5	11.39	-1456	-11944	LU 18	7948	4203	34231	2.5	5.46	Si
110	2X/2Y ø6/24	697	-12018	LU 12	7958	4203	34241	2.5	11.42	-1456	-12141	LU 18	7974	4203	34258	2.5	5.48	Si
80	2X/2Y ø6/24	697	-12216	LU 12	7984	4203	34268	2.5	11.46	-1456	-12338	LU 18	8001	4203	34285	2.5	5.49	Si
50	2X/2Y ø6/24	697	-12413	LU 12	8010	4203	34295	2.5	11.5	-1456	-12536	LU 18	8027	4203	34312	2.5	5.51	Si
20	2X/2Y ø6/24	697	-12613	LU 12	8037	4203	34323	2.5	11.54	-1456	-12736	LU 18	8053	4203	34339	2.5	5.53	Si
-10	2X/2Y ø6/24	697	-12805	LU 12	8062	4203	34349	2.5	11.57	-1456	-12927	LU 18	8079	4203	34366	2.5	5.55	Si
770	2X/2Y ø6/25	868	-3798	LU 12	5658	3526	25836	2.5	6.52	-864	-3221	LU 10	5583	3526	25759	2.5	6.46	Si
741	2X/2Y ø6/25	868	-3947	LU 12	5677	3526	25856	2.5	6.54	-864	-3370	LU 10	5602	3526	25779	2.5	6.48	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
350	-193904	170336	-6646	RA 4	-34.7	-193574	167621	-6291	RA 1	579.1	Si
420	132117	-112866	-3874	RA 1	-31.3	132117	-112866	-3874	RA 1	520.4	Si
320	-162499	156272	-6795	RA 4	-29.9	-162856	153786	-6440	RA 1	460.1	Si
770	-99840	89486	-2478	RA 1	-24.4	-99840	89486	-2478	RA 1	429.9	Si
449	113064	-96245	-3759	RA 1	-26.6	113064	-96245	-3759	RA 1	420.8	Si
290	-131618	139716	-6592	RA 1	-25.1	-131618	139716	-6592	RA 1	344.6	Si
478	93679	-79334	-3642	RA 1	-21.7	93679	-79334	-3642	RA 1	320.4	Si
-10	216666	-997	-9699	RA 9	-15.8	216666	-997	-9699	RA 9	-196.4	Si
260	-82377	139585	-8335	RA 9	-15.5	-82377	139585	-8335	RA 9	-190.1	Si
20	184362	14190	-9552	RA 9	-14.7	184362	14190	-9552	RA 9	-183.8	Si
50	150644	30041	-9398	RA 9	-13.7	150644	30041	-9398	RA 9	-171.8	Si
741	-76184	75532	-3352	RA 8	-12.9	-76184	75532	-3352	RA 8	-149.9	Si
230	-49088	123936	-8487	RA 9	-12.9	-49088	123936	-8487	RA 9	-161.2	Si
80	117355	45690	-9246	RA 9	-12.7	117355	45690	-9246	RA 9	-160.1	Si
508	71017	-64095	-4286	RA 8	-12.2	71017	-64095	-4286	RA 8	-143.9	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
350	-193574	167621	-6291	QP 1	-34.6	Si
420	132117	-112866	-3874	QP 1	-31.3	Si
320	-162856	153786	-6440	QP 1	-29.9	Si
449	113064	-96245	-3759	QP 1	-26.6	Si
290	-131618	139716	-6592	QP 1	-25.1	Si
770	-99840	89486	-2478	QP 1	-24.4	Si
478	93679	-79334	-3642	QP 1	-21.7	Si
260	-94751	129973	-7144	QP 2	-15.1	Si
-10	189436	-790	-8508	QP 2	-13.8	Si
20	158737	13336	-8361	QP 2	-12.8	Si
230	-63116	115417	-7296	QP 2	-12.7	Si
741	-80787	72865	-2592	QP 1	-12.7	Si
508	74294	-62423	-3526	QP 1	-11.9	Si
50	126694	28080	-8207	QP 2	-11.8	Si
80	95059	42636	-8055	QP 2	-10.8	Si

Pilastrata 10

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	167622	-200896	-5441	614511	-736496	LU 11	3.666	Si
350	18.1	0.9	0	2,3,4	-222503	219887	-6289	-877838	867515	LU 10	3.945	Si
449	18.1	2.3	0	2,3,4,5	142503	-171866	-5292	628515	-758020	LU 11	4.411	Si
770	18.1	1.1	0	5	-138186	152532	-3626	-627538	692688	LU 11	4.541	Si
320	18.1	0.9	0	2,3,4	-188784	206952	-6483	-861640	944562	LU 10	4.564	Si
290	18.1	0.9	0	2,3,4	-154493	193798	-6680	-822385	1031610	LU 10	5.323	Si
478	18.1	2.3	0	2,3,4,5	116946	-142329	-5140	645669	-785811	LU 11	5.521	Si
741	18.1	1.1	0	5	-113067	123501	-3775	-660587	721551	LU 11	5.842	Si
-10	18.1	1.8	0	1,2,3,4	244199	80505	-11259	1554188	512368	LU 18	6.364	Si
260	18.1	0.9	0	2,3,4	-120202	180643	-6878	-768711	1155246	LU 10	6.395	Si
20	18.1	1.8	0	1,2,3,4	206589	93461	-11067	1470977	665471	LU 18	7.12	Si
508	18.1	1.1	0	5	91389	-112792	-4989	666621	-822743	LU 11	7.294	Si
230	18.1	0.9	0	2,3,4	-85911	167489	-7075	-676904	1319674	LU 10	7.879	Si
50	18.1	1.8	0	1,2,3,4	167332	106984	-10867	1339367	856326	LU 18	8.004	Si
712	18.1	1.1	0	5	-87510	93965	-3927	-703343	755223	LU 11	8.037	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	1021	-3842	LU 12	5663	3526	25842	2.5	5.54	-872	-2953	LU 10	5548	3526	25722	2.5	6.36	Si
741	2X/2Y ø6/25	1021	-3991	LU 12	5683	3526	25862	2.5	5.56	-872	-3102	LU 10	5567	3526	25743	2.5	6.38	Si
712	2X/2Y ø6/25	1021	-4143	LU 12	5702	3526	25883	2.5	5.58	-872	-3254	LU 10	5587	3526	25763	2.5	6.4	Si
683	2X/2Y ø6/25	1021	-4294	LU 12	5722	3526	25903	2.5	5.6	-872	-3405	LU 10	5606	3526	25783	2.5	6.43	Si
653	2X/2Y ø6/25	1021	-4446	LU 12	5742	3526	25923	2.5	5.62	-872	-3557	LU 10	5626	3526	25804	2.5	6.45	Si
624	2X/2Y ø6/25	1021	-4598	LU 12	5762	3526	25944	2.5	5.64	-872	-3709	LU 10	5646	3526	25824	2.5	6.47	Si
595	2X/2Y ø6/25	1021	-4749	LU 12	5781	3526	25964	2.5	5.66	-872	-3860	LU 10	5666	3526	25845	2.5	6.49	Si
566	2X/2Y ø6/25	1021	-4901	LU 12	5801	3526	25985	2.5	5.68	-872	-4012	LU 10	5685	3526	25865	2.5	6.52	Si
537	2X/2Y ø6/25	1021	-5053	LU 12	5821	3526	26005	2.5	5.7	-872	-4164	LU 10	5705	3526	25885	2.5	6.54	Si
508	2X/2Y ø6/25	1021	-5204	LU 12	5841	3526	26026	2.5	5.72	-872	-4315	LU 10	5725	3526	25906	2.5	6.56	Si
478	2X/2Y ø6/25	1021	-5356	LU 12	5860	3526	26046	2.5	5.74	-872	-4467	LU 10	5745	3526	25926	2.5	6.58	Si
449	2X/2Y ø6/25	1021	-5508	LU 12	5880	3526	26066	2.5	5.76	-872	-4619	LU 10	5764	3526	25947	2.5	6.61	Si
420	2X/2Y ø6/25	1021	-5657	LU 12	5899	3526	26086	2.5	5.78	-872	-4768	LU 10	5784	3526	25967	2.5	6.63	Si
350	2X/2Y ø6/24	438	-6289	LU 10	7200	4203	33457	2.5	16.42	-1294	-8855	LU 12	7540	4203	33808	2.5	5.82	Si
320	2X/2Y ø6/24	438	-6483	LU 10	7226	4203	33483	2.5	16.48	-1294	-9049	LU 12	7565	4203	33835	2.5	5.84	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	128522	-153699	-4260	RA 3	-36.1	128921	-152616	-4116	RA 2	616.6	Si
350	-170486	184137	-6548	RA 3	-33.8	-171156	169144	-4837	RA 1	601.1	Si
770	-106354	116888	-2864	RA 3	-28.8	-106180	115952	-2720	RA 2	514.6	Si
320	-141571	173921	-6698	RA 3	-29.6	-145218	159194	-4987	RA 1	503.4	Si
449	109230	-131473	-4145	RA 3	-30.6	109610	-130556	-4002	RA 2	499.6	Si
290	-112701	162433	-6676	RA 2	-25.5	-118841	149075	-5139	RA 1	408	Si
741	-87061	94662	-2979	RA 3	-23.2	-86182	86681	-2386	RA 1	385.1	Si
478	89962	-108111	-3885	RA 2	-25	89962	-108111	-3885	RA 2	381.6	Si
-10	182066	60078	-8393	RA 9	-16.6	182066	60078	-8393	RA 9	-202.9	Si
260	-82762	153142	-7001	RA 3	-15.6	-82762	153142	-7001	RA 3	-190	Si
20	153579	70024	-8246	RA 9	-15.5	153579	70024	-8246	RA 9	-190.6	Si
50	123845	80406	-8092	RA 9	-14.4	123845	80406	-8092	RA 9	-177.7	Si
508	69971	-86246	-3912	RA 3	-13.6	68936	-85284	-4175	RA 9	-158.5	Si
230	-53357	142753	-7153	RA 3	-13.6	-53357	142753	-7153	RA 3	-166.6	Si
80	94490	90655	-7940	RA 9	-13.3	94490	90655	-7940	RA 9	-165.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	128832	-143883	-3802	QP 2	-35	Si
350	-170923	173320	-5299	QP 2	-33.3	Si
449	109572	-123057	-3687	QP 2	-29.7	Si
320	-144187	163286	-5448	QP 2	-29.4	Si
770	-105648	109671	-2406	QP 2	-27.9	Si
290	-116999	153082	-5600	QP 2	-25.4	Si
478	89976	-101866	-3571	QP 2	-24.3	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
741	-86388	88844	-2521	QP 2	-22.5	Si
260	-89810	142879	-5752	QP 2	-14.9	Si
-10	154436	51217	-7116	QP 2	-14.1	Si
20	128051	61119	-6969	QP 2	-13.1	Si
230	-62621	132675	-5904	QP 2	-13	Si
508	70380	-80676	-3454	QP 2	-13	Si
50	100512	71454	-6815	QP 2	-12.1	Si
712	-66792	67654	-2637	QP 2	-11.3	Si

Pilastrata 11

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x65	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x60	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.1	17.2	-27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.1	17.2	27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.1	-17.2	27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.2	-17.2	-27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.3	17.2	-27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.3	-17.2	27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.4	17.2	27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.5	-12.2	-22.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1
p.5	17.2	-22.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1
p.5	17.2	27.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1
p.5	-12.2	27.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -57.2 a -34, 54.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -22, 54.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 54.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 54.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 54.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 52.8 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 396 a 420, 50.3 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 420 a 481.6, 49.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 481.6 a 770, 49.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 770 a 807.2, 49.4 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.2	0	1,2,3,4	1339716	-62173	-27633	2282548	-105928	LU 10	1.704	Si
20	18.1	1.2	0	1,2,3,4	1184980	61551	-27356	2528170	131319	LU 10	2.134	Si
50	18.1	1.2	0	1,2,3,4	1023471	60901	-27067	2848094	169473	LU 10	2.783	Si
80	18.1	0.6	0	2,3,4	864020	60259	-26782	3199256	223124	LU 10	3.703	Si
350	18.1	0.6	0	2,3,4	-573002	221429	-24993	-2683027	1036823	LU 13	4.682	Si
110	18.1	0.6	0	2,3,4	704569	71251	-26497	3452262	349116	LU 10	4.9	Si
140	18.1	0.6	0	2,3,4	534965	97816	-30492	3292652	602047	LU 18	6.155	Si
320	18.1	0.6	0	2,3,4	-415225	203131	-25273	-2575370	1259889	LU 13	6.202	Si
170	18.1	0.6	0	2,3,4	386457	117668	-30207	2835321	863297	LU 18	7.337	Si
290	18.1	0.6	0	2,3,4	-207576	197077	-29066	-1691229	1605681	LU 18	8.147	Si
200	18.1	0.6	0	2,3,4	241162	137535	-29830	2058657	1174054	LU 12	8.536	Si
260	18.1	0.6	0	2,3,4	-95393	177224	-29352	-864830	1606718	LU 18	9.066	Si
230	18.1	0.6	0	2,3,4	96319	157372	-29637	898647	1468262	LU 18	9.33	Si
770	18.1	0.8	0	5	-190957	69094	-9321	-2189618	792264	LU 10	11.467	Si
420	18.1	1.5	0	2,3,4,5	141405	-81984	-12044	1852118	-1073820	LU 10	13.098	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	662	-28409	LU 12	12957	4223	50972	2.5	19.59	-5315	-24220	LU 10	11834	6351	52469	2.5	2.23	Si
320	2X/2Y ø6/23.9	662	-28689	LU 12	12994	4223	51010	2.5	19.64	-5315	-24500	LU 10	11872	6351	52509	2.5	2.23	Si
290	2X/2Y ø6/23.9	662	-28974	LU 12	13032	4223	51049	2.5	19.7	-5315	-24785	LU 10	11911	6351	52549	2.5	2.24	Si
260	2X/2Y ø6/23.9	662	-29260	LU 12	13070	4223	51089	2.5	19.76	-5315	-25071	LU 10	11951	6351	52590	2.5	2.25	Si
230	2X/2Y ø6/23.9	662	-29545	LU 12	13108	4223	51128	2.5	19.81	-5315	-25356	LU 10	11990	6351	52631	2.5	2.26	Si
200	2X/2Y ø6/23.9	662	-29830	LU 12	13145	4223	51167	2.5	19.87	-5315	-25642	LU 10	12029	6351	52671	2.5	2.26	Si
170	2X/2Y ø6/23.9	662	-30115	LU 12	13183	4223	51206	2.5	19.93	-5315	-25926	LU 10	12069	6351	52712	2.5	2.27	Si
140	2X/2Y ø6/23.9	662	-30400	LU 12	13221	4223	51245	2.5	19.99	-5315	-26211	LU 10	12108	6351	52753	2.5	2.28	Si
110	2X/2Y ø6/23.9	662	-30685	LU 12	13259	4223	51284	2.5	20.04	-5315	-26497	LU 10	12147	6351	52793	2.5	2.29	Si
80	2X/2Y ø6/23.9	662	-30971	LU 12	13296	4223	51323	2.5	20.1	-5315	-26782	LU 10	12186	6351	52834	2.5	2.29	Si
50	2X/2Y ø6/23.9	662	-31256	LU 12	13334	4223	51362	2.5	20.16	-5315	-27067	LU 10	12226	6351	52875	2.5	2.3	Si
20	2X/2Y ø6/23.9	662	-31545	LU 12	13372	4223	51401	2.5	20.21	-5315	-27356	LU 10	12266	6351	52916	2.5	2.31	Si
-10	2X/2Y ø6/23.9	662	-31821	LU 12	13409	4223	51439	2.5	20.27	-5315	-27633	LU 10	12304	6351	52955	2.5	2.31	Si
770	2X/2Y ø6/24.8	449	-10554	LU 14	9118	3562	39408	2.5	20.32	-952	-9321	LU 10	8366	5615	41240	2.5	8.78	Si
741	2X/2Y ø6/24.8	449	-10778	LU 14	9148	3562	39438	2.5	20.39	-952	-9545	LU 10	8396	5615	41272	2.5	8.82	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	1035443	-967	-21771	RA 4	-48	1030551	-992	-21256	RA 1	1061.8	Si
20	915769	12884	-21558	RA 4	-43.3	911523	12602	-21043	RA 1	858.4	Si
50	790857	27342	-21336	RA 4	-38.4	787286	26791	-20821	RA 1	653	Si
80	667536	41615	-21117	RA 4	-33.4	664631	40800	-20601	RA 1	460.4	Si
350	-440296	169839	-19146	RA 4	-30.7	-440296	169839	-19146	RA 4	-379.7	Si
110	527912	59284	-23236	RA 9	-23.5	527912	59284	-23236	RA 9	-310.7	Si
140	412553	74386	-23017	RA 9	-21	412553	74386	-23017	RA 9	-278.2	Si
320	-316329	157519	-19926	RA 8	-20.8	-316329	157519	-19926	RA 8	-269.2	Si
170	297193	89489	-22797	RA 9	-18.5	297193	89489	-22797	RA 9	-245.7	Si
290	-164244	149899	-21920	RA 9	-17.1	-164244	149899	-21920	RA 9	-224.7	Si
200	184012	104597	-22517	RA 3	-16	184012	104597	-22517	RA 3	-213.7	Si
230	71489	119728	-22297	RA 3	-13.6	71489	119728	-22297	RA 3	-182.2	Si
260	-48885	134796	-22139	RA 9	-13.5	-48885	134796	-22139	RA 9	-180.7	Si
420	108773	-63064	-9264	RA 1	-10.5	108773	-63064	-9264	RA 1	-134.2	Si
770	-146890	53149	-7170	RA 1	-10.5	-146890	53149	-7170	RA 1	-132.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	1030551	-992	-21256	QP 1	-47.8	Si
20	911523	12602	-21043	QP 1	-43.1	Si
50	787286	26791	-20821	QP 1	-38.3	Si
80	664631	40800	-20601	QP 1	-33.2	Si
350	-437216	166642	-18631	QP 1	-30.4	Si
110	535232	56004	-21142	QP 2	-22.9	Si
140	415789	70300	-20923	QP 2	-20.3	Si
320	-316606	152867	-18846	QP 1	-20.3	Si
170	296347	84595	-20704	QP 2	-17.6	Si
290	-181424	141778	-19826	QP 2	-16.6	Si
200	177161	98860	-20485	QP 2	-15	Si
260	-61981	127482	-20046	QP 2	-12.9	Si
230	57461	113187	-20265	QP 2	-12.3	Si
420	108773	-63064	-9264	QP 1	-10.5	Si
770	-146890	53149	-7170	QP 1	-10.5	Si

Pilastrata 12

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 14.8, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 14.8 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometriche

L'appoggio -22 ha ampiezza nulla.

Anomalie quantitativo di acciaio

Sezione a quota -16 in Campata da -22 a 408, percentuale acciaio = 0.087% < 0.3%.
Sezione a quota -10 in Campata da -22 a 408, percentuale acciaio = 0.174% < 0.3%.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-22	0	0.9	0	1	125481	-12156	-5403	0	0	LU 1	0	No
-17	1.47	0.9	0	1	220269	-21251	-9445	437374	-42197	LU 18	1.986	Si
420	18.1	2.3	0	2,3,4,5	165159	131460	-2544	670143	533407	LU 10	4.058	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
449	18.1	2.3	0	2,3,4,5	143533	112702	-2395	682320	535755	LU 10	4.754	Si
770	18.1	1.1	0	5	-98119	-96906	-729	-562941	-555984	LU 10	5.737	Si
478	18.1	2.3	0	2,3,4,5	121531	93617	-2244	699494	538830	LU 10	5.756	Si
350	18.1	0.9	0	2,3,4	213574	15750	-7000	1463707	107942	LU 12	6.853	Si
319	18.1	0.9	0	2,3,4	214070	16196	-7198	1490037	112730	LU 12	6.961	Si
289	18.1	0.9	0	2,3,4	214574	16649	-7399	1517415	117734	LU 12	7.072	Si
258	18.1	0.9	0	2,3,4	215079	17101	-7601	1543806	122752	LU 12	7.178	Si
508	18.1	1.1	0	5	99528	74532	-2092	723558	541838	LU 10	7.27	Si
228	18.1	0.9	0	2,3,4	215583	17554	-7802	1568348	127705	LU 12	7.275	Si
197	18.1	0.9	0	2,3,4	216087	18007	-8003	1591324	132609	LU 12	7.364	Si
167	18.1	0.9	0	2,3,4	216592	18460	-8204	1614119	137571	LU 12	7.452	Si
741	18.1	1.1	0	5	-76494	-78149	-879	-576636	-589112	LU 10	7.538	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-654	-729	LU 10	5258	3562	25423	2.5	8.04	-754	-729	LU 10	5258	3562	25423	2.5	6.97	Si
741	2X/2Y ø6/24.8	-654	-879	LU 10	5278	3562	25443	2.5	8.07	-754	-879	LU 10	5278	3562	25443	2.5	7	Si
712	2X/2Y ø6/24.8	-654	-1030	LU 10	5297	3562	25464	2.5	8.1	-754	-1030	LU 10	5297	3562	25464	2.5	7.02	Si
683	2X/2Y ø6/24.8	-654	-1182	LU 10	5317	3562	25484	2.5	8.13	-754	-1182	LU 10	5317	3562	25484	2.5	7.05	Si
653	2X/2Y ø6/24.8	-654	-1334	LU 10	5337	3562	25505	2.5	8.16	-754	-1334	LU 10	5337	3562	25505	2.5	7.07	Si
624	2X/2Y ø6/24.8	-654	-1485	LU 10	5357	3562	25525	2.5	8.19	-754	-1485	LU 10	5357	3562	25525	2.5	7.1	Si
595	2X/2Y ø6/24.8	-654	-1637	LU 10	5376	3562	25545	2.5	8.22	-754	-1637	LU 10	5376	3562	25545	2.5	7.13	Si
566	2X/2Y ø6/24.8	-654	-1789	LU 10	5396	3562	25566	2.5	8.25	-754	-1789	LU 10	5396	3562	25566	2.5	7.15	Si
537	2X/2Y ø6/24.8	-654	-1940	LU 10	5416	3562	25586	2.5	8.28	-754	-1940	LU 10	5416	3562	25586	2.5	7.18	Si
508	2X/2Y ø6/24.8	-654	-2092	LU 10	5436	3562	25607	2.5	8.31	-754	-2092	LU 10	5436	3562	25607	2.5	7.21	Si
478	2X/2Y ø6/24.8	-654	-2244	LU 10	5455	3562	25627	2.5	8.34	-754	-2244	LU 10	5455	3562	25627	2.5	7.23	Si
449	2X/2Y ø6/24.8	-654	-2395	LU 10	5475	3562	25647	2.5	8.37	-754	-2395	LU 10	5475	3562	25647	2.5	7.26	Si
420	2X/2Y ø6/24.8	-654	-2544	LU 10	5494	3562	25668	2.5	8.4	-754	-2544	LU 10	5494	3562	25668	2.5	7.28	Si
350	2X/2Y ø6/23.9	30	-7000	LU 12	7294	4223	33554	2.5	243.66	-18	-7036	LU 18	7299	4223	33559	2.5	403.08	Si
319	2X/2Y ø6/23.9	30	-7198	LU 12	7320	4223	33581	2.5	244.54	-18	-7234	LU 18	7325	4223	33586	2.5	404.53	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	127045	101123	-1957	RA 1	-29.6	127045	101123	-1957	RA 1	578.6	Si
449	110410	86694	-1842	RA 1	-25.6	110410	86694	-1842	RA 1	491.4	Si
770	-75476	-74543	-561	RA 1	-19.7	-75476	-74543	-561	RA 1	421.7	Si
478	93485	72013	-1726	RA 1	-21.4	93485	72013	-1726	RA 1	402.8	Si
-22	163643	-1612	-7041	RA 9	-14.4	0	0	0		0	Si
-17	163572	-1499	-7013	RA 9	-14.1	163572	-1499	-7013	RA 9	-173.7	Si
14	163180	-884	-6861	RA 9	-11.8	163180	-884	-6861	RA 9	-146.1	Si
44	162783	-258	-6706	RA 9	-11.6	162783	-258	-6706	RA 9	-143.5	Si
75	162381	374	-6550	RA 9	-11.5	162381	374	-6550	RA 9	-142.3	Si
105	161987	993	-6396	RA 9	-11.5	161987	993	-6396	RA 9	-141.4	Si
136	161590	1618	-6242	RA 9	-11.4	161590	1618	-6242	RA 9	-140.5	Si
167	161192	2244	-6087	RA 9	-11.4	161192	2244	-6087	RA 9	-139.7	Si
197	160794	2869	-5932	RA 9	-11.3	160794	2869	-5932	RA 9	-138.8	Si
228	160397	3495	-5777	RA 9	-11.3	160397	3495	-5777	RA 9	-137.9	Si
258	159999	4121	-5622	RA 9	-11.2	159999	4121	-5622	RA 9	-137.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	127045	101123	-1957	QP 1	-29.6	Si
449	110410	86694	-1842	QP 1	-25.6	Si
478	93485	72013	-1726	QP 1	-21.4	Si
770	-75476	-74543	-561	QP 1	-19.7	Si
-22	135877	-1415	-5847	QP 2	-11.9	Si
-17	135831	-1369	-5820	QP 2	-11.7	Si
508	76560	57332	-1609	QP 1	-10.7	Si
14	135582	-1114	-5667	QP 2	-9.8	Si
44	135328	-855	-5512	QP 2	-9.7	Si
75	135071	-593	-5356	QP 2	-9.6	Si
105	134820	-337	-5203	QP 2	-9.5	Si
136	134566	-78	-5048	QP 2	-9.4	Si
167	134312	181	-4893	QP 2	-9.3	Si
197	134058	440	-4738	QP 2	-9.2	Si
228	133804	699	-4583	QP 2	-9.2	Si

Pilastrata 13

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 14.8, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 14.8 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometriche

L'appoggio -22 ha ampiezza nulla.

Anomalie quantitativo di acciaio

Sezione a quota -16 in Campata da -22 a 408, percentuale acciaio = 0.087% < 0.3%.
Sezione a quota -10 in Campata da -22 a 408, percentuale acciaio = 0.174% < 0.3%.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-22	0	0.9	0	1	204223	-19894	-8842	0	0	LU 1	0	No
-17	1.47	0.9	0	1	320696	-31110	-13827	445281	-43196	LU 12	1.388	Si
350	18.1	0.9	0	2,3,4	301735	52712	-11418	1547212	270290	LU 12	5.128	Si
319	18.1	0.9	0	2,3,4	303293	48244	-11616	1573145	250235	LU 12	5.187	Si
289	18.1	0.9	0	2,3,4	304878	43702	-11817	1599211	229234	LU 12	5.245	Si
14	17.38	1.8	0	1,2,3,4	319137	30664	-13629	1687268	162122	LU 12	5.287	Si
258	18.1	0.9	0	2,3,4	306462	39160	-12018	1622295	207297	LU 12	5.294	Si
228	18.1	0.9	0	2,3,4	308046	34619	-12220	1643435	184696	LU 12	5.335	Si
197	18.1	0.9	0	2,3,4	309631	30076	-12421	1665042	161733	LU 12	5.378	Si
167	18.1	0.9	0	2,3,4	311215	28400	-12622	1678970	153215	LU 12	5.395	Si
136	18.1	0.9	0	2,3,4	312800	28853	-12824	1688112	155713	LU 12	5.397	Si
105	18.1	0.9	0	2,3,4	314384	29306	-13025	1697352	158221	LU 12	5.399	Si
75	18.1	0.9	0	2,3,4	315950	29754	-13224	1706540	160707	LU 12	5.401	Si
44	18.1	1.8	0	1,2,3,4	317553	30212	-13427	1715440	163205	LU 12	5.402	Si
420	18.1	2.3	0	2,3,4,5	145850	87516	-6196	935519	561348	LU 13	6.414	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-476	-3929	LU 10	5675	3562	25854	2.5	11.92	-639	-4381	LU 13	5734	3562	25915	2.5	8.97	Si
741	2X/2Y ø6/24.8	-476	-4078	LU 10	5694	3562	25874	2.5	11.96	-639	-4530	LU 13	5753	3562	25935	2.5	9	Si
712	2X/2Y ø6/24.8	-476	-4230	LU 10	5714	3562	25894	2.5	12	-639	-4682	LU 13	5773	3562	25955	2.5	9.03	Si
683	2X/2Y ø6/24.8	-476	-4381	LU 10	5734	3562	25915	2.5	12.04	-639	-4834	LU 13	5792	3562	25976	2.5	9.06	Si
653	2X/2Y ø6/24.8	-476	-4533	LU 10	5753	3562	25935	2.5	12.08	-639	-4985	LU 13	5812	3562	25996	2.5	9.1	Si
624	2X/2Y ø6/24.8	-476	-4685	LU 10	5773	3562	25956	2.5	12.13	-639	-5137	LU 13	5832	3562	26017	2.5	9.13	Si
595	2X/2Y ø6/24.8	-476	-4836	LU 10	5793	3562	25976	2.5	12.17	-639	-5289	LU 13	5852	3562	26037	2.5	9.16	Si
566	2X/2Y ø6/24.8	-476	-4988	LU 10	5812	3562	25996	2.5	12.21	-639	-5440	LU 13	5871	3562	26057	2.5	9.19	Si
537	2X/2Y ø6/24.8	-476	-5140	LU 10	5832	3562	26017	2.5	12.25	-639	-5592	LU 13	5891	3562	26078	2.5	9.22	Si
508	2X/2Y ø6/24.8	-476	-5291	LU 10	5852	3562	26037	2.5	12.29	-639	-5744	LU 13	5911	3562	26098	2.5	9.25	Si
478	2X/2Y ø6/24.8	-476	-5443	LU 10	5872	3562	26058	2.5	12.33	-639	-5895	LU 13	5931	3562	26119	2.5	9.28	Si
449	2X/2Y ø6/24.8	-476	-5595	LU 10	5891	3562	26078	2.5	12.37	-639	-6047	LU 13	5950	3562	26139	2.5	9.31	Si
420	2X/2Y ø6/24.8	-476	-5744	LU 10	5911	3562	26098	2.5	11.82	-639	-6196	LU 13	5970	3562	26159	2.5	9.34	Si
350	2X/2Y ø6/23.9	155	-11401	LU 18	7877	4223	34157	2.5	50.73	-57	-9871	LU 17	7674	4223	33947	2.5	134.5	Si
319	2X/2Y ø6/23.9	155	-11599	LU 18	7903	4223	34184	2.5	50.9	-57	-10069	LU 17	7700	4223	33974	2.5	134.96	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-17	240997	-1251	-10393	RA 3	-45.8	240997	-1251	-10393	RA 3	1751.3	Si
-22	238424	-1831	-10299	RA 2	-32.9	0	0	0		0	Si
420	111741	67405	-4720	RA 4	-22.1	108806	67956	-4418	RA 1	303	Si
350	225000	40773	-8529	RA 9	-17.9	225000	40773	-8529	RA 9	-218.2	Si
319	226277	37319	-8681	RA 9	-17.8	226277	37319	-8681	RA 9	-217.9	Si
289	227575	33808	-8836	RA 9	-17.8	227575	33808	-8836	RA 9	-217.5	Si
258	228874	30297	-8991	RA 9	-17.7	230015	29054	-9002	RA 3	-217.2	Si
228	231237	25682	-9157	RA 3	-17.7	231237	25682	-9157	RA 3	-216.9	Si
197	232460	22308	-9312	RA 3	-17.6	232460	22308	-9312	RA 3	-216.6	Si
167	233682	18934	-9466	RA 3	-17.6	233682	18934	-9466	RA 3	-216.3	Si
136	234905	15561	-9621	RA 3	-17.5	234905	15561	-9621	RA 3	-216	Si
105	236127	12188	-9776	RA 3	-17.5	236127	12188	-9776	RA 3	-215.7	Si
14	239794	2068	-10241	RA 3	-17.5	239794	2068	-10241	RA 3	-216.2	Si
75	237336	8853	-9929	RA 3	-17.4	237336	8853	-9929	RA 3	-215.4	Si
44	238572	5441	-10086	RA 3	-17.4	238572	5441	-10086	RA 3	-215.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	108806	67956	-4418	QP 1	-21.9	Si
-22	214483	-1687	-9279	QP 2	-18.8	Si
-17	214261	-1184	-9251	QP 2	-18.4	Si
350	199503	32282	-7398	QP 2	-15.6	Si
319	200716	29532	-7551	QP 2	-15.6	Si
289	201949	26735	-7705	QP 2	-15.5	Si
258	203183	23939	-7860	QP 2	-15.5	Si
228	204415	21143	-8015	QP 2	-15.5	Si
14	213048	1567	-9099	QP 2	-15.5	Si
197	205649	18346	-8170	QP 2	-15.5	Si
167	206882	15549	-8325	QP 2	-15.5	Si
136	208115	12753	-8480	QP 2	-15.5	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
105	209349	9956	-8634	QP 2	-15.5	Si
75	210568	7192	-8787	QP 2	-15.4	Si
44	211815	4363	-8944	QP 2	-15.4	Si

Pilastrata 14

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 14.8, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 14.8 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometriche

L'appoggio -22 ha ampiezza nulla.

Anomalie quantitativo di acciaio

Sezione a quota -16 in Campata da -22 a 408, percentuale acciaio = 0.087% < 0.3%.
Sezione a quota -10 in Campata da -22 a 408, percentuale acciaio = 0.174% < 0.3%.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
770	18.1	1.1	0	5	442757	63310	-10341	898324	128452	LU 17	2.029	Si
741	18.1	1.1	0	5	390680	56746	-10490	962861	139855	LU 17	1.865	Si
712	18.1	1.1	0	5	337694	50067	-10642	1051161	155847	LU 17	3.113	Si
683	18.1	1.1	0	5	284709	43388	-10794	1165599	177632	LU 17	4.094	Si
-22	0	0.9	0	1	258033	-49589	-22040	1239316	-238174	LU 18	4.803	Si
-17	1.47	0.9	0	1	252549	-49508	-22003	1287873	-252464	LU 18	5.099	Si
653	18.1	1.1	0	5	231723	36710	-10945	1295957	205306	LU 17	5.593	Si
14	17.38	1.8	0	1,2,3,4	222555	49062	-21805	1582562	348875	LU 18	7.111	Si
420	18.1	2.3	0	2,3,4,5	-194180	-24739	-12369	-1389627	-177041	LU 18	7.156	Si
624	18.1	1.1	0	5	178737	30031	-11097	1360066	228514	LU 17	7.609	Si
44	18.1	1.8	0	1,2,3,4	192063	48609	-21604	1482617	375236	LU 18	7.719	Si
75	18.1	0.9	0	2,3,4	161225	48151	-21401	1345670	401896	LU 18	8.347	Si
350	18.1	0.9	0	2,3,4	-112360	140385	-19595	-945271	1181043	LU 18	8.413	Si
105	18.1	0.9	0	2,3,4	131079	47704	-21202	1184114	430935	LU 18	9.034	Si
319	18.1	0.9	0	2,3,4	-82366	128156	-19793	-749122	1165583	LU 18	9.095	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	264	-10555	LU 18	6537	3562	26746	2.5	24.74	1827	-10555	LU 18	6537	3562	26746	2.5	3.58	Si
741	2X/2Y ø6/24.8	264	-10704	LU 18	6556	3562	26766	2.5	24.82	1827	-10704	LU 18	6556	3562	26766	2.5	3.59	Si
712	2X/2Y ø6/24.8	264	-10855	LU 18	6576	3562	26786	2.5	24.89	1827	-10855	LU 18	6576	3562	26786	2.5	3.6	Si
683	2X/2Y ø6/24.8	264	-11007	LU 18	6596	3562	26807	2.5	24.97	1827	-11007	LU 18	6596	3562	26807	2.5	3.61	Si
653	2X/2Y ø6/24.8	264	-11159	LU 18	6615	3562	26827	2.5	25.04	1827	-11159	LU 18	6615	3562	26827	2.5	3.62	Si
624	2X/2Y ø6/24.8	264	-11310	LU 18	6635	3562	26848	2.5	25.12	1827	-11310	LU 18	6635	3562	26848	2.5	3.63	Si
595	2X/2Y ø6/24.8	264	-11462	LU 18	6655	3562	26868	2.5	25.19	1827	-11462	LU 18	6655	3562	26868	2.5	3.64	Si
566	2X/2Y ø6/24.8	264	-11614	LU 18	6675	3562	26888	2.5	25.27	1827	-11614	LU 18	6675	3562	26888	2.5	3.65	Si
537	2X/2Y ø6/24.8	264	-11765	LU 18	6694	3562	26909	2.5	25.34	1827	-11765	LU 18	6694	3562	26909	2.5	3.66	Si
508	2X/2Y ø6/24.8	264	-11917	LU 18	6714	3562	26929	2.5	25.42	1827	-11917	LU 18	6714	3562	26929	2.5	3.67	Si
478	2X/2Y ø6/24.8	264	-12069	LU 18	6734	3562	26950	2.5	25.49	1827	-12069	LU 18	6734	3562	26950	2.5	3.69	Si
449	2X/2Y ø6/24.8	264	-12220	LU 18	6754	3562	26970	2.5	25.57	1827	-12220	LU 18	6754	3562	26970	2.5	3.7	Si
420	2X/2Y ø6/24.8	264	-12369	LU 18	6773	3562	26990	2.5	25.64	1827	-12369	LU 18	6773	3562	26990	2.5	3.71	Si
350	2X/2Y ø6/23.9	406	-19595	LU 18	8961	4223	35278	2.5	22.04	-997	-19595	LU 18	8961	4223	35278	2.5	8.99	Si
319	2X/2Y ø6/23.9	406	-19793	LU 18	8987	4223	35305	2.5	22.11	-997	-19793	LU 18	8987	4223	35305	2.5	9.01	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
770	329663	49816	-7944	RA 9	-46.3	329663	49816	-7944	RA 9	868.8	Si
741	290683	44483	-8059	RA 9	-40.9	290422	41284	-7916	RA 8	716	Si
712	251023	39058	-8175	RA 9	-35.4	250964	36542	-8033	RA 8	563.6	Si
683	211364	33632	-8292	RA 9	-29.8	211505	31800	-8150	RA 8	414.1	Si
-22	195677	-8017	-16732	RA 9	-21.7	0	0	0		0	Si
-17	191551	-6337	-16704	RA 9	-20.9	191551	-6337	-16704	RA 9	-269	Si
653	171704	28206	-8409	RA 9	-19.2	171704	28206	-8409	RA 9	-229.5	Si
420	-144893	-15108	-9340	RA 9	-16.8	-144893	-15108	-9340	RA 9	-204.6	Si
350	-82967	105514	-14851	RA 9	-16.5	-82967	105514	-14851	RA 9	-212.2	Si
14	168987	2857	-16551	RA 9	-16.5	168987	2857	-16551	RA 9	-214.5	Si
624	132044	22780	-8525	RA 9	-15.9	132044	22780	-8525	RA 9	-193.8	Si
44	146048	12203	-16397	RA 9	-15.6	146048	12203	-16397	RA 9	-203.8	Si
319	-60403	96320	-15003	RA 9	-14.9	-60403	96320	-15003	RA 9	-193.8	Si
75	125567	21741	-15922	RA 3	-14.8	122849	21656	-16240	RA 9	-194.4	Si
105	104303	30746	-15769	RA 3	-14.1	104303	30746	-15769	RA 3	-185.6	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
770	255439	29689	-6869	QP 2	-34.6	Si
741	224876	27269	-6983	QP 2	-30.7	Si
712	193781	24807	-7100	QP 2	-26.6	Si
-22	181554	-6968	-15553	QP 2	-20.1	Si
-17	177979	-5484	-15526	QP 2	-19.4	Si
683	162686	22345	-7217	QP 2	-17.5	Si
14	158423	2631	-15373	QP 2	-15.4	Si
653	131591	19883	-7333	QP 2	-15.1	Si
44	138542	10880	-15219	QP 2	-14.6	Si
350	-59939	93242	-13673	QP 2	-14.1	Si
75	118436	19224	-15062	QP 2	-13.9	Si
105	98781	27380	-14909	QP 2	-13.2	Si
420	-115802	2077	-8204	QP 1	-13.1	Si
319	-40383	85127	-13825	QP 2	-12.7	Si
624	100496	17421	-7450	QP 2	-12.7	Si

Pilastrata 15

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -35 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	221926	319826	-32671	926194	1334771	LU 12	4.173	Si
20	18.1	1.8	0	1,2,3,4	195565	284958	-32479	903187	1316036	LU 12	4.618	Si
50	18.1	1.8	0	1,2,3,4	168050	248564	-32279	852615	1261111	LU 12	5.074	Si
80	18.1	0.9	0	2,3,4	140886	212634	-32081	778575	1175078	LU 12	5.526	Si
110	18.1	0.9	0	2,3,4	113721	176704	-31884	684639	1063815	LU 12	6.02	Si
140	18.1	0.9	0	2,3,4	86557	140774	-31687	567010	922171	LU 12	6.551	Si
350	18.1	0.9	0	2,3,4	-103624	-115752	-29971	-721143	-805548	LU 18	6.959	Si
170	18.1	0.9	0	2,3,4	70851	104843	-31489	499454	739081	LU 12	7.049	Si
200	18.1	0.9	0	2,3,4	70407	70407	-31292	509890	509890	LU 12	7.242	Si
230	18.1	0.9	0	2,3,4	69962	69962	-31094	509890	509890	LU 12	7.288	Si
260	18.1	0.9	0	2,3,4	-69518	-69518	-30897	-509890	-509890	LU 12	7.335	Si
290	18.1	0.9	0	2,3,4	-69074	-69074	-30699	-509890	-509890	LU 12	7.382	Si
320	18.1	0.9	0	2,3,4	-76430	-74808	-30502	-567847	-555793	LU 12	7.43	Si
420	18.1	2.3	0	2,3,4,5	48410	103773	-10663	522190	1119376	LU 17	10.787	Si
449	18.1	2.3	0	2,3,4,5	41871	91136	-10514	495517	1078552	LU 17	11.834	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-1212	-29971	LU 18	10334	4203	36699	2.5	8.53	-905	-30308	LU 12	10379	4203	36745	2.5	11.46	Si
320	2X/2Y ø6/24	-1212	-30165	LU 18	10360	4203	36725	2.5	8.55	-905	-30502	LU 12	10404	4203	36772	2.5	11.49	Si
290	2X/2Y ø6/24	-1212	-30362	LU 18	10386	4203	36752	2.5	8.57	-905	-30699	LU 12	10430	4203	36799	2.5	11.52	Si
260	2X/2Y ø6/24	-1212	-30560	LU 18	10412	4203	36779	2.5	8.59	-905	-30897	LU 12	10456	4203	36826	2.5	11.55	Si
230	2X/2Y ø6/24	-1212	-30757	LU 18	10438	4203	36806	2.5	8.61	-905	-31094	LU 12	10483	4203	36853	2.5	11.58	Si
200	2X/2Y ø6/24	-1212	-30955	LU 18	10464	4203	36834	2.5	8.63	-905	-31292	LU 12	10509	4203	36880	2.5	11.61	Si
170	2X/2Y ø6/24	-1212	-31152	LU 18	10490	4203	36861	2.5	8.66	-905	-31489	LU 12	10535	4203	36907	2.5	11.63	Si
140	2X/2Y ø6/24	-1212	-31349	LU 18	10516	4203	36888	2.5	8.68	-905	-31687	LU 12	10561	4203	36934	2.5	11.66	Si
110	2X/2Y ø6/24	-1212	-31547	LU 18	10542	4203	36915	2.5	8.7	-905	-31884	LU 12	10587	4203	36961	2.5	11.69	Si
80	2X/2Y ø6/24	-1212	-31744	LU 18	10569	4203	36942	2.5	8.72	-905	-32081	LU 12	10613	4203	36988	2.5	11.72	Si
50	2X/2Y ø6/24	-1212	-31942	LU 18	10595	4203	36969	2.5	8.74	-905	-32279	LU 12	10639	4203	37015	2.5	11.75	Si
20	2X/2Y ø6/24	-1212	-32142	LU 18	10621	4203	36996	2.5	8.76	-905	-32479	LU 12	10666	4203	37042	2.5	11.78	Si
-10	2X/2Y ø6/24	-1212	-32333	LU 18	10647	4203	37022	2.5	8.78	-905	-32671	LU 12	10691	4203	37068	2.5	11.81	Si
770	2X/2Y ø6/25	-439	-8311	LU 18	6245	3526	26444	2.5	14.23	-265	-7615	LU 10	6154	3526	26350	2.5	23.21	Si
741	2X/2Y ø6/25	-439	-8460	LU 18	6264	3526	26464	2.5	14.27	-265	-7765	LU 10	6174	3526	26370	2.5	23.28	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	167605	239596	-24675	RA 3	-34.7	167605	239596	-24675	RA 3	-433.2	Si
20	147540	213493	-24528	RA 3	-29.9	147540	213493	-24528	RA 3	-380.9	Si
50	126597	186247	-24374	RA 3	-27.3	126597	186247	-24374	RA 3	-350.5	Si
80	105921	159348	-24222	RA 3	-24.7	105921	159348	-24222	RA 3	-320.4	Si
110	85245	132449	-24070	RA 3	-22.1	85245	132449	-24070	RA 3	-290.3	Si
140	64569	105551	-23918	RA 3	-19.5	64569	105551	-23918	RA 3	-260.2	Si
350	-80141	-86035	-22633	RA 9	-18.7	-80141	-86035	-22633	RA 9	-249.4	Si
170	43892	78652	-23766	RA 3	-16.9	43892	78652	-23766	RA 3	-230.2	Si
320	-59911	-59304	-22782	RA 9	-16.3	-59911	-59304	-22782	RA 9	-221.7	Si
200	23261	51811	-23615	RA 3	-14.3	23261	51811	-23615	RA 3	-200.1	Si
290	-39338	-32121	-22934	RA 9	-13.8	-39338	-32121	-22934	RA 9	-193.5	Si
420	37894	77960	-8076	RA 8	-12.8	37894	77960	-8076	RA 8	-158.7	Si
449	32755	68514	-7961	RA 8	-11.7	32755	68514	-7961	RA 8	-145.9	Si
230	2540	24854	-23463	RA 3	-11.7	2540	24854	-23463	RA 3	-170	Si
260	-18765	-4938	-23086	RA 9	-11.3	-18765	-4938	-23086	RA 9	-165.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	153101	209348	-22546	QP 2	-29.1	Si
20	134031	186650	-22398	QP 2	-26.9	Si
50	114126	162959	-22244	QP 2	-24.5	Si
80	94475	139570	-22093	QP 2	-22.1	Si
110	74823	116181	-21941	QP 2	-19.7	Si
140	55172	92791	-21789	QP 2	-17.4	Si
350	-82059	-70545	-20728	QP 2	-17.2	Si
170	35521	69402	-21637	QP 2	-15	Si
320	-62735	-47545	-20878	QP 2	-15	Si
290	-43084	-24156	-21029	QP 2	-12.7	Si
200	15912	46063	-21485	QP 2	-12.7	Si
420	42157	65841	-7254	QP 1	-11.8	Si
449	36309	58175	-7139	QP 1	-10.8	Si
230	-3781	22623	-21333	QP 2	-10.7	Si
260	-23433	-766	-21181	QP 2	-10.5	Si

Pilastrata 15A

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -35 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 411.6, 34.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2	-214586	-346965	-19836	-817906	-1322481	LU 18	3.812	Si
320	18.1	0.9	0	2	-184664	-318299	-20031	-804860	-1387311	LU 18	4.359	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
290	18.1	0.9	0	2	-155596	-291105	-21450	-782076	-1463191	LU 12	5.026	Si
260	18.1	0.9	0	2	-124221	-263682	-21648	-718804	-1525797	LU 12	5.787	Si
230	18.1	0.9	0	2	-92845	-236258	-21845	-611486	-1556013	LU 12	6.586	Si
200	18.1	0.9	0	2	-61402	-208775	-22043	-446610	-1518524	LU 12	7.273	Si
170	18.1	0.9	0	2	-50040	-181411	-22240	-389402	-1411705	LU 12	7.782	Si
-10	18.1	1.8	0	1,2	157634	-52698	-23421	1253682	-419112	LU 12	7.953	Si
140	18.1	0.9	0	2	50484	-153987	-22437	416182	-1269440	LU 12	8.244	Si
20	18.1	1.8	0	1,2	127187	-52267	-23230	1087670	-446974	LU 12	8.552	Si
110	18.1	0.9	0	2	50814	-127373	-22584	443141	-1110806	LU 11	8.721	Si
50	18.1	1.8	0	1,2	95012	-73790	-22979	859268	-667346	LU 11	9.044	Si
80	18.1	0.9	0	2	63586	-100582	-22781	579240	-916247	LU 11	9.109	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-943	-16611	LU 17	8566	4203	34870	2.5	9.08	-1048	-21008	LU 11	9148	4203	35472	2.5	8.73	Si
320	2X/2Y ø6/24	-943	-16805	LU 17	8592	4203	34897	2.5	9.11	-1048	-21202	LU 11	9173	4203	35498	2.5	8.76	Si
290	2X/2Y ø6/24	-943	-17003	LU 17	8618	4203	34924	2.5	9.14	-1048	-21399	LU 11	9200	4203	35525	2.5	8.78	Si
260	2X/2Y ø6/24	-943	-17200	LU 17	8644	4203	34951	2.5	9.17	-1048	-21597	LU 11	9226	4203	35552	2.5	8.81	Si
230	2X/2Y ø6/24	-943	-17398	LU 17	8670	4203	34978	2.5	9.19	-1048	-21794	LU 11	9252	4203	35579	2.5	8.83	Si
200	2X/2Y ø6/24	-943	-17595	LU 17	8696	4203	35005	2.5	9.22	-1048	-21992	LU 11	9278	4203	35607	2.5	8.86	Si
170	2X/2Y ø6/24	-943	-17792	LU 17	8722	4203	35032	2.5	9.25	-1048	-22189	LU 11	9304	4203	35634	2.5	8.88	Si
140	2X/2Y ø6/24	-943	-17990	LU 17	8748	4203	35059	2.5	9.28	-1048	-22386	LU 11	9330	4203	35661	2.5	8.91	Si
110	2X/2Y ø6/24	-943	-18187	LU 17	8775	4203	35086	2.5	9.31	-1048	-22584	LU 11	9356	4203	35688	2.5	8.93	Si
80	2X/2Y ø6/24	-943	-18385	LU 17	8801	4203	35113	2.5	9.33	-1048	-22781	LU 11	9383	4203	35715	2.5	8.96	Si
50	2X/2Y ø6/24	-943	-18582	LU 17	8827	4203	35140	2.5	9.36	-1048	-22979	LU 11	9409	4203	35742	2.5	8.98	Si
20	2X/2Y ø6/24	-943	-18782	LU 17	8853	4203	35167	2.5	9.39	-1048	-23179	LU 11	9435	4203	35769	2.5	9.01	Si
-10	2X/2Y ø6/24	-943	-18974	LU 17	8879	4203	35193	2.5	9.42	-1048	-23370	LU 11	9460	4203	35795	2.5	9.03	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
350	-165205	-262042	-14906	RA 9	-37.7	-167364	-261062	-15721	RA 3	-439.9	Si
320	-142365	-240354	-15056	RA 9	-33.3	-143903	-240507	-15870	RA 3	-395.5	Si
290	-120045	-219603	-16022	RA 3	-29.1	-120045	-219603	-16022	RA 3	-351.7	Si
260	-96186	-198700	-16174	RA 3	-22.8	-96186	-198700	-16174	RA 3	-285.9	Si
230	-72328	-177796	-16326	RA 3	-20.4	-72328	-177796	-16326	RA 3	-259.6	Si
200	-48418	-156847	-16478	RA 3	-18.1	-48418	-156847	-16478	RA 3	-233.1	Si
170	-24611	-135988	-16630	RA 3	-15.8	-24611	-135988	-16630	RA 3	-206.8	Si
-10	117945	-13133	-17505	RA 2	-14.6	117945	-13133	-17505	RA 2	-194.5	Si
20	94759	-33010	-17357	RA 2	-14.4	94759	-33010	-17357	RA 2	-191.5	Si
50	70559	-53756	-17203	RA 2	-14.1	70559	-53756	-17203	RA 2	-188.4	Si
80	46667	-74238	-17052	RA 2	-13.9	46667	-74238	-17052	RA 2	-185.3	Si
110	23106	-94181	-16934	RA 3	-13.6	23106	-94181	-16934	RA 3	-182.3	Si
140	-1116	-115203	-16748	RA 2	-13.5	-1116	-115203	-16748	RA 2	-180.5	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
350	-166666	-238814	-13537	QP 2	-36	Si
320	-144433	-219240	-13686	QP 2	-31.8	Si
290	-121822	-199333	-13838	QP 2	-27.6	Si
260	-99211	-179427	-13990	QP 2	-20.9	Si
230	-76601	-159520	-14142	QP 2	-18.7	Si
200	-53942	-139571	-14294	QP 2	-16.5	Si
170	-31380	-119707	-14446	QP 2	-14.3	Si
-10	103907	-600	-15354	QP 2	-12.3	Si
140	-8769	-99800	-14598	QP 2	-12.1	Si
20	81965	-19918	-15207	QP 2	-12.1	Si
50	59063	-40081	-15053	QP 2	-11.8	Si
80	36452	-59987	-14901	QP 2	-11.6	Si
110	13842	-79894	-14749	QP 2	-11.4	Si

Pilastrata 16

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -23.2, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -23.2 a -22, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	85737	-142540	-38105	489286	-813455	LU 12	5.707	Si
20	18.1	1.8	0	1,2,3,4	85306	-120623	-37914	503074	-711351	LU 12	5.897	Si
50	18.1	1.8	0	1,2,3,4	84856	-97746	-37714	509890	-587349	LU 12	6.009	Si
80	18.1	0.9	0	2,3,4	84411	-84411	-37516	509890	-509890	LU 12	6.041	Si
110	18.1	0.9	0	2,3,4	83967	-83967	-37319	509890	-509890	LU 12	6.073	Si
140	18.1	0.9	0	2,3,4	83523	-83523	-37121	509890	-509890	LU 12	6.105	Si
350	18.1	0.9	0	2,3,4	-80421	127728	-35742	-493485	783779	LU 12	6.136	Si
170	18.1	0.9	0	2,3,4	83079	-83079	-36924	509890	-509890	LU 12	6.137	Si
200	18.1	0.9	0	2,3,4	82635	82635	-36727	509890	509890	LU 12	6.17	Si
230	18.1	0.9	0	2,3,4	82190	82190	-36529	509890	509890	LU 12	6.204	Si
260	18.1	0.9	0	2,3,4	-81746	81746	-36332	-509890	509890	LU 12	6.238	Si
290	18.1	0.9	0	2,3,4	-81302	82935	-36134	-509890	520131	LU 12	6.272	Si
320	18.1	0.9	0	2,3,4	-80857	105520	-35937	-508786	663970	LU 12	6.292	Si
420	18.1	2.3	0	2,3,4,5	-22843	39096	-11422	-353656	605278	LU 18	15.482	Si
449	18.1	2.3	0	2,3,4,5	22545	33373	-11273	363039	537401	LU 18	16.103	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	722	-30260	LU 10	10372	4223	36738	2.5	14.38	-50	-30260	LU 10	10372	4223	36738	2.5	208.81	Si
320	2X/2Y ø6/23.9	722	-30454	LU 10	10398	4223	36765	2.5	14.41	-50	-30454	LU 10	10398	4223	36765	2.5	209.32	Si
290	2X/2Y ø6/23.9	722	-30652	LU 10	10424	4223	36792	2.5	14.45	-50	-30652	LU 10	10424	4223	36792	2.5	209.85	Si
260	2X/2Y ø6/23.9	722	-30849	LU 10	10450	4223	36819	2.5	14.48	-50	-30849	LU 10	10450	4223	36819	2.5	210.38	Si
230	2X/2Y ø6/23.9	722	-31046	LU 10	10476	4223	36846	2.5	14.52	-50	-31046	LU 10	10476	4223	36846	2.5	210.9	Si
200	2X/2Y ø6/23.9	722	-31244	LU 10	10502	4223	36873	2.5	14.56	-50	-31244	LU 10	10502	4223	36873	2.5	211.43	Si
170	2X/2Y ø6/23.9	722	-31441	LU 10	10529	4223	36900	2.5	14.59	-50	-31441	LU 10	10529	4223	36900	2.5	211.95	Si
140	2X/2Y ø6/23.9	722	-31639	LU 10	10555	4223	36927	2.5	14.63	-50	-31639	LU 10	10555	4223	36927	2.5	211.88	Si
110	2X/2Y ø6/23.9	722	-31836	LU 10	10581	4223	36954	2.5	14.66	-50	-31836	LU 10	10581	4223	36954	2.5	213.01	Si
80	2X/2Y ø6/23.9	722	-32034	LU 10	10607	4223	36981	2.5	14.7	-50	-32034	LU 10	10607	4223	36981	2.5	213.53	Si
50	2X/2Y ø6/23.9	722	-32231	LU 10	10633	4223	37008	2.5	14.74	-50	-32231	LU 10	10633	4223	37008	2.5	214.06	Si
20	2X/2Y ø6/23.9	722	-32431	LU 10	10659	4223	37036	2.5	14.77	-50	-32431	LU 10	10659	4223	37036	2.5	214.59	Si
-10	2X/2Y ø6/23.9	722	-32623	LU 10	10685	4223	37062	2.5	14.81	-50	-32623	LU 10	10685	4223	37062	2.5	215.1	Si
770	2X/2Y ø6/24.8	-200	-9607	LU 18	6413	3562	26618	2.5	32.13	39	-9786	LU 17	6437	3562	26642	2.5	165.83	Si
741	2X/2Y ø6/24.8	-200	-9756	LU 18	6433	3562	26638	2.5	32.22	39	-9935	LU 17	6456	3562	26662	2.5	166.33	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	9965	-108590	-28749	RA 3	-18.8	9965	-108590	-28749	RA 3	-260.3	Si
20	8841	-91824	-28602	RA 3	-17.8	8841	-91824	-28602	RA 3	-248.4	Si
350	-3900	98156	-26932	RA 3	-17.2	-3900	98156	-26932	RA 3	-238.3	Si
50	7667	-74324	-28448	RA 3	-16.8	7667	-74324	-28448	RA 3	-235.9	Si
320	-2761	81167	-27081	RA 3	-16.3	-2761	81167	-27081	RA 3	-228.2	Si
80	6508	-57048	-28296	RA 3	-15.7	6508	-57048	-28296	RA 3	-223.7	Si
290	-1602	63890	-27233	RA 3	-15.4	-1602	63890	-27233	RA 3	-217.9	Si
110	5350	-39771	-28144	RA 3	-14.7	5350	-39771	-28144	RA 3	-211.4	Si
260	-444	46613	-27385	RA 3	-14.4	-444	46613	-27385	RA 3	-207.6	Si
140	4191	-22494	-27993	RA 3	-13.6	4191	-22494	-27993	RA 3	-199.2	Si
230	2303	29148	-27383	RA 9	-13.6	715	29337	-27537	RA 3	-198.2	Si
200	3302	12791	-27535	RA 9	-12.8	3302	12791	-27535	RA 9	-189.7	Si
170	3032	-5217	-27841	RA 3	-12.6	3032	-5217	-27841	RA 3	-186.9	Si
420	46	27679	-8641	RA 9	-6.7	46	27679	-8641	RA 9	-91.7	Si
449	727	23631	-8527	RA 9	-6.3	727	23631	-8527	RA 9	-88.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	8842	-104270	-26116	QP 2	-17.4	Si
20	7717	-87855	-25969	QP 2	-16.4	Si
350	-5027	98137	-24299	QP 2	-16.1	Si
50	6543	-70723	-25815	QP 2	-15.4	Si
320	-3887	81504	-24448	QP 2	-15.2	Si
80	5384	-53809	-25663	QP 2	-14.3	Si
290	-2728	64590	-24600	QP 2	-14.3	Si
260	-1569	47676	-24752	QP 2	-13.4	Si
110	4226	-36895	-25511	QP 2	-13.3	Si
230	-410	30762	-24904	QP 2	-12.5	Si
140	3067	-19981	-25360	QP 2	-12.3	Si
200	751	13811	-25056	QP 2	-11.7	Si
170	1908	-3066	-25208	QP 2	-11.2	Si
420	3338	15191	-7651	QP 2	-5.5	Si
449	3447	12984	-7537	QP 2	-5.2	Si

Pilastrata 17

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -23.2, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -23.2 a -22, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-403256	-216824	-5634	-710778	-382174	LU 11	1.763	Si
449	18.1	2.3	0	2,3,4,5	-349026	-185378	-5485	-729712	-387570	LU 11	2.091	Si
478	18.1	2.3	0	2,3,4,5	-293851	-153382	-5334	-757112	-395193	LU 11	2.577	Si
770	18.1	1.1	0	5	256962	166022	-3820	699291	451808	LU 11	2.721	Si
508	18.1	1.1	0	5	-238675	-121387	-5182	-797415	-405556	LU 11	3.341	Si
350	18.1	0.9	0	2,3,4	368516	255512	-25458	1307781	906757	LU 12	3.549	Si
741	18.1	1.1	0	5	202732	134575	-3969	735287	488088	LU 11	3.627	Si
320	18.1	0.9	0	2,3,4	324352	234574	-25652	1306382	944785	LU 12	4.028	Si
290	18.1	0.9	0	2,3,4	279434	213280	-25850	1290644	985091	LU 12	4.619	Si
537	18.1	1.1	0	5	-183499	-89392	-5030	-865664	-421710	LU 11	4.718	Si
260	18.1	0.9	0	2,3,4	234512	191986	-26047	1245057	1019282	LU 12	5.309	Si
712	18.1	1.1	0	5	147556	102580	-4120	792918	551228	LU 11	5.374	Si
230	18.1	0.9	0	2,3,4	189585	170692	-26245	1146848	1032564	LU 12	6.049	Si
200	18.1	0.9	0	2,3,4	144556	149353	-26443	976551	1008959	LU 12	6.756	Si
-10	18.1	1.8	0	1,2,3,4	-169715	63007	-28003	-1168047	433636	LU 18	6.882	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	1154	-5939	LU 10	5936	3562	26124	2.5	5.14	1926	-4395	LU 12	5735	3562	25917	2.5	2.98	Si
741	2X/2Y ø6/24.8	1154	-6088	LU 10	5956	3562	26145	2.5	5.16	1926	-4544	LU 12	5755	3562	25937	2.5	2.99	Si
712	2X/2Y ø6/24.8	1154	-6240	LU 10	5975	3562	26165	2.5	5.18	1926	-4696	LU 12	5774	3562	25957	2.5	3	Si
683	2X/2Y ø6/24.8	1154	-6391	LU 10	5995	3562	26185	2.5	5.19	1926	-4847	LU 12	5794	3562	25978	2.5	3.01	Si
653	2X/2Y ø6/24.8	1154	-6543	LU 10	6015	3562	26206	2.5	5.21	1926	-4999	LU 12	5814	3562	25998	2.5	3.02	Si
624	2X/2Y ø6/24.8	1154	-6695	LU 10	6035	3562	26226	2.5	5.23	1926	-5151	LU 12	5834	3562	26018	2.5	3.03	Si
595	2X/2Y ø6/24.8	1154	-6846	LU 10	6054	3562	26247	2.5	5.25	1926	-5302	LU 12	5853	3562	26039	2.5	3.04	Si
566	2X/2Y ø6/24.8	1154	-6998	LU 10	6074	3562	26267	2.5	5.26	1926	-5454	LU 12	5873	3562	26059	2.5	3.05	Si
537	2X/2Y ø6/24.8	1154	-7150	LU 10	6094	3562	26287	2.5	5.28	1926	-5606	LU 12	5893	3562	26080	2.5	3.06	Si
508	2X/2Y ø6/24.8	1154	-7301	LU 10	6113	3562	26308	2.5	5.3	1926	-5757	LU 12	5913	3562	26100	2.5	3.07	Si
478	2X/2Y ø6/24.8	1154	-7453	LU 10	6133	3562	26328	2.5	5.31	1926	-5909	LU 12	5932	3562	26120	2.5	3.08	Si
449	2X/2Y ø6/24.8	1154	-7605	LU 10	6153	3562	26349	2.5	5.33	1926	-6061	LU 12	5952	3562	26141	2.5	3.09	Si
420	2X/2Y ø6/24.8	1154	-7754	LU 10	6172	3562	26369	2.5	5.35	1926	-6210	LU 12	5971	3562	26161	2.5	3.1	Si
350	2X/2Y ø6/23.9	707	-21329	LU 10	9190	4223	35516	2.5	13	1497	-25458	LU 12	9737	4223	36081	2.5	6.5	Si
320	2X/2Y ø6/23.9	707	-21523	LU 10	9216	4223	35542	2.5	13.04	1497	-25652	LU 12	9762	4223	36108	2.5	6.52	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	-304620	-166630	-4935	RA 3	-60.2	-301415	-167973	-4552	RA 2	1190.4	Si
449	-263298	-142471	-4820	RA 3	-51.7	-260738	-143615	-4437	RA 2	998.1	Si
770	198454	127493	-3539	RA 3	-41.9	193798	128571	-3156	RA 2	803.7	Si
478	-221255	-117890	-4704	RA 3	-43.1	-219352	-118832	-4320	RA 2	802.9	Si
508	-177966	-94050	-4204	RA 2	-34.5	-177966	-94050	-4204	RA 2	608.5	Si
741	157131	103334	-3654	RA 3	-33.3	153122	104213	-3270	RA 2	598.5	Si
350	273319	196388	-19160	RA 3	-40.5	273319	196388	-19160	RA 3	-482	Si
320	240490	180290	-19309	RA 3	-35.9	240490	180290	-19309	RA 3	-433.1	Si
290	207101	163920	-19461	RA 3	-31.4	207101	163920	-19461	RA 3	-385.8	Si
537	-136580	-69267	-4087	RA 2	-25.8	-136580	-69267	-4087	RA 2	415.9	Si
712	115089	78753	-3770	RA 3	-24.4	111736	79430	-3387	RA 2	391.6	Si
260	173708	147550	-19613	RA 3	-25.7	173708	147550	-19613	RA 3	-324.5	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
230	140311	131180	-19765	RA 3	-23.1	140311	131180	-19765	RA 3	-295.1	Si
200	106838	114774	-19917	RA 3	-20.5	106838	114774	-19917	RA 3	-265.6	Si
170	73505	98439	-20068	RA 3	-17.9	73505	98439	-20068	RA 3	-236.2	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	-261454	-173366	-5541	QP 2	-55.7	Si
449	-225504	-148243	-5426	QP 2	-47.7	Si
770	176211	132493	-4145	QP 2	-39.6	Si
478	-188927	-122682	-5309	QP 2	-39.5	Si
350	226710	195651	-17147	QP 2	-36.4	Si
320	199174	179597	-17296	QP 2	-32.2	Si
741	140262	107370	-4259	QP 2	-31.5	Si
508	-152351	-97120	-5193	QP 2	-31.3	Si
290	171168	163270	-17448	QP 2	-25.4	Si
260	143158	146943	-17600	QP 2	-23.1	Si
712	103685	81809	-4376	QP 2	-23.1	Si
537	-115774	-71559	-5076	QP 2	-23.1	Si
230	115143	130617	-17752	QP 2	-20.8	Si
200	87065	114255	-17904	QP 2	-18.5	Si
170	59104	97964	-18055	QP 2	-16.2	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	-272871	-171825	-5258	FR 2	-206806	-130224	-130224	1062.9	287.9	0.0471	37.85	0.0117	Si	Si
449	-235571	-146921	-5143	FR 2	-210285	-131150	-131150	881	281.6	0.0482	38.73	0.0099	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	-261454	-173366	-5541	QP 2	-204144	-135365	-135365	1012.6	278.5	0.0487	37.45	0.011	Si	Si
449	-225504	-148243	-5426	QP 2	-207800	-136605	-136605	835	271.4	0.05	38.29	0.0093	Si	Si

Pilastrata 18

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -57.2 a -34, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -22, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	125199	-1062090	-55644	217340	-1843734	LU 12	1.736	Si
420	18.1	2.3	0	2,3,4,5	-345744	-454644	-16624	-621518	-817279	LU 11	1.798	Si
20	18.1	1.8	0	1,2,3,4	124768	-912211	-55453	252538	-1846368	LU 12	2.024	Si
350	18.1	0.9	0	2,3,4	233606	786114	-53281	501991	1689261	LU 12	2.149	Si
449	18.1	2.3	0	2,3,4,5	-302600	-388010	-17108	-653878	-838438	LU 12	2.161	Si
50	18.1	1.8	0	1,2,3,4	124318	-755772	-55253	293775	-1785958	LU 12	2.363	Si
770	18.1	1.1	0	5	229725	363994	-15442	578076	915950	LU 12	2.516	Si
320	18.1	0.9	0	2,3,4	214597	634242	-53476	548890	1622246	LU 12	2.558	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
478	18.1	2.3	0	2,3,4,5	-251506	-319119	-16323	-674040	-855242	LU 11	2.68	Si
80	18.1	0.9	0	2,3,4	123874	-601326	-55055	339405	-1647585	LU 12	2.74	Si
290	18.1	0.9	0	2,3,4	195265	479796	-53673	587571	1443752	LU 12	3.009	Si
110	18.1	0.9	0	2,3,4	123430	-446880	-54858	389612	-1410598	LU 12	3.157	Si
741	18.1	1.1	0	5	182087	296697	-15591	593384	966876	LU 12	3.259	Si
260	18.1	0.9	0	2,3,4	175933	325350	-53870	616075	1139297	LU 12	3.502	Si
508	18.1	1.1	0	5	-203980	-250771	-16171	-715128	-879169	LU 11	3.506	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	5148	-53281	LU 12	12670	4223	39890	2.5	1.86	644	-53281	LU 12	12670	4223	39890	2.5	19.66	Si
320	2X/2Y ø6/23.9	5148	-53476	LU 12	12670	4223	39917	2.5	1.86	644	-53476	LU 12	12670	4223	39917	2.5	19.66	Si
290	2X/2Y ø6/23.9	5148	-53673	LU 12	12670	4223	39944	2.5	1.86	644	-53673	LU 12	12670	4223	39944	2.5	19.66	Si
80	2X/2Y ø6/23.9	5148	-55055	LU 12	12670	4223	40133	2.5	1.86	644	-55055	LU 12	12670	4223	40133	2.5	19.66	Si
110	2X/2Y ø6/23.9	5148	-54858	LU 12	12670	4223	40106	2.5	1.86	644	-54858	LU 12	12670	4223	40106	2.5	19.66	Si
140	2X/2Y ø6/23.9	5148	-54660	LU 12	12670	4223	40079	2.5	1.86	644	-54660	LU 12	12670	4223	40079	2.5	19.66	Si
170	2X/2Y ø6/23.9	5148	-54463	LU 12	12670	4223	40052	2.5	1.86	644	-54463	LU 12	12670	4223	40052	2.5	19.66	Si
200	2X/2Y ø6/23.9	5148	-54266	LU 12	12670	4223	40025	2.5	1.86	644	-54266	LU 12	12670	4223	40025	2.5	19.66	Si
230	2X/2Y ø6/23.9	5148	-54068	LU 12	12670	4223	39998	2.5	1.86	644	-54068	LU 12	12670	4223	39998	2.5	19.66	Si
260	2X/2Y ø6/23.9	5148	-53870	LU 12	12670	4223	39971	2.5	1.86	644	-53870	LU 12	12670	4223	39971	2.5	19.66	Si
-10	2X/2Y ø6/23.9	5148	-55644	LU 12	12670	4223	40213	2.5	1.86	644	-55644	LU 12	12670	4223	40213	2.5	19.66	Si
20	2X/2Y ø6/23.9	5148	-55453	LU 12	12670	4223	40187	2.5	1.86	644	-55453	LU 12	12670	4223	40187	2.5	19.66	Si
50	2X/2Y ø6/23.9	5148	-55253	LU 12	12670	4223	40160	2.5	1.86	644	-55253	LU 12	12670	4223	40160	2.5	19.66	Si
770	2X/2Y ø6/24.8	2343	-14809	LU 11	7090	3562	27318	2.5	3.03	1662	-15442	LU 12	7173	3562	27404	2.5	4.32	Si
741	2X/2Y ø6/24.8	2343	-14958	LU 11	7110	3562	27339	2.5	3.03	1662	-15591	LU 12	7192	3562	27424	2.5	4.33	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	-260957	-347137	-13321	RA 3	-76.2	-257962	-346695	-12899	RA 2	1122.1	Si
-10	1832	-809984	-42070	RA 3	-72.6	1832	-809984	-42070	RA 3	-855.5	Si
350	171768	598781	-40253	RA 3	-66.9	171768	598781	-40253	RA 3	-813	Si
449	-225344	-295821	-13206	RA 3	-64.6	-222966	-295460	-12784	RA 2	877	Si
20	15613	-695741	-41923	RA 3	-63.5	15613	-695741	-41923	RA 3	-769.3	Si
770	172615	277601	-11925	RA 3	-55.6	168092	277066	-11503	RA 2	748.5	Si
320	157804	483019	-40402	RA 3	-55.5	157804	483019	-40402	RA 3	-693.5	Si
50	29997	-576498	-41769	RA 3	-54.4	29997	-576498	-41769	RA 3	-677.9	Si
478	-189109	-243611	-13090	RA 3	-52.8	-187360	-243331	-12668	RA 2	634.4	Si
80	44198	-458774	-41617	RA 3	-44.9	44198	-458774	-41617	RA 3	-579.3	Si
290	143603	365295	-40554	RA 3	-44.8	143603	365295	-40554	RA 3	-576	Si
741	137002	226285	-12040	RA 3	-44	133096	225831	-11618	RA 2	501.8	Si
508	-152875	-191400	-12973	RA 3	-41	-152875	-191400	-12973	RA 3	-461.3	Si
110	58399	-341050	-41465	RA 3	-39.4	58399	-341050	-41465	RA 3	-515	Si
260	129403	247571	-40706	RA 3	-37.8	129403	247571	-40706	RA 3	-496.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	2241	-777477	-38611	QP 2	-69.8	Si
420	-221583	-332906	-13407	QP 2	-69	Si
350	135609	571249	-36794	QP 2	-61.7	Si
20	13057	-668103	-38464	QP 2	-60.8	Si
449	-190846	-283667	-13292	QP 2	-58.3	Si
50	24345	-553942	-38310	QP 2	-51.7	Si
770	152620	266544	-12011	QP 2	-51.5	Si
320	124650	460421	-36943	QP 2	-50.9	Si
478	-159573	-233570	-13176	QP 2	-47.5	Si
80	35490	-441235	-38158	QP 2	-42	Si
741	121883	217306	-12126	QP 2	-40.9	Si
290	113505	347714	-37095	QP 2	-40.7	Si
508	-128300	-183473	-13059	QP 2	-36.8	Si
110	46635	-328528	-38006	QP 2	-36.6	Si
260	102360	235007	-37247	QP 2	-34.2	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
770	157040	269550	-11866	FR 2	142141	243977	243977	682.8	501.3	0.018	65.7	0.0131	Si	Si
420	-231977	-336846	-13262	FR 2	-151265	-219648	-219648	1008.6	228	0.0397	41.47	0.0122	Si	Si
449	-200023	-287037	-13147	FR 2	-157390	-225857	-225857	778.2	210.7	0.0429	41.09	0.0093	Si	Si
-10	2399	-764432	-37304	FR 1	2205	-702818	-702818	699	321.5	0.0281	42.99	0.0088	Si	Si
478	-167512	-236359	-13030	FR 2	-166911	-235511	-235511	551.8	186.6	0.0485	41	0.0066	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
770	152620	266544	-12011	QP 2	141670	247421	247421	656.9	493.9	0.0183	64.99	0.0124	Si	Si
420	-221583	-332906	-13407	QP 2	-149352	-224387	-224387	964.1	226.6	0.0399	41.26	0.0116	Si	Si
449	-190846	-283667	-13292	QP 2	-155573	-231239	-231239	739.7	208.4	0.0434	40.8	0.0088	Si	Si
-10	2399	-764432	-37304	QP 1	2205	-702818	-702818	699	321.5	0.0281	42.99	0.0088	Si	Si

Pilastrata 19

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x65	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
420	770	R 40x60	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.1	17.2	-27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.1	17.2	27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.1	-17.2	27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.2	-17.2	-27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.2	17.2	27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.3	17.2	-27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.4	-17.2	27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.5	-12.2	-27.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1
p.5	17.2	-27.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1
p.5	17.2	22.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1
p.5	-12.2	22.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -57.2 a -34, 54.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -22, 54.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 54.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 54.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 54.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 52.8 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 396 a 420, 50.3 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 420 a 481.6, 49.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 481.6 a 770, 49.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 770 a 807.2, 49.4 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.2	0	1,2,3,4	433584	-678598	-69405	1279741	-2002908	LU 12	2.952	Si
20	18.1	1.2	0	1,2,3,4	370689	-584677	-69128	1211257	-1910479	LU 12	3.268	Si
50	18.1	1.2	0	1,2,3,4	305041	-486645	-68839	1095129	-1747104	LU 12	3.59	Si
350	18.1	0.6	0	2,3,4	-341995	479572	-65992	-1249364	1751959	LU 12	3.653	Si
80	18.1	0.6	0	2,3,4	223116	-394038	-68651	878395	-1551305	LU 18	3.937	Si
320	18.1	0.6	0	2,3,4	-278263	384402	-66272	-1114804	1540029	LU 12	4.006	Si
110	18.1	0.6	0	2,3,4	222189	-296280	-68366	946960	-1262731	LU 18	4.262	Si
290	18.1	0.6	0	2,3,4	-216628	290268	-66655	-945917	1267470	LU 18	4.367	Si
140	18.1	0.6	0	2,3,4	221262	-198522	-68081	1011653	-907680	LU 18	4.572	Si
170	18.1	0.6	0	2,3,4	220335	-152540	-67795	1011653	-700375	LU 18	4.591	Si
200	18.1	0.6	0	2,3,4	-219410	-151900	-67511	-1011653	-700375	LU 18	4.611	Si
230	18.1	0.6	0	2,3,4	-218482	151257	-67225	-1011653	700375	LU 18	4.63	Si
260	18.1	0.6	0	2,3,4	-217555	192510	-66940	-1011653	895191	LU 18	4.65	Si
420	18.1	1.5	0	2,3,4,5	80092	-138659	-26697	675554	-1169550	LU 17	8.435	Si
449	18.1	1.5	0	2,3,4,5	79421	-116822	-26474	708183	-1041681	LU 17	8.917	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	3231	-59439	LU 10	17064	4223	55220	2.5	5.28	-2207	-59439	LU 10	16686	6351	57488	2.5	7.56	Si
320	2X/2Y ø6/23.9	3231	-59720	LU 10	17101	4223	55258	2.5	5.29	-2207	-59720	LU 10	16724	6351	57528	2.5	7.58	Si
290	2X/2Y ø6/23.9	3231	-60005	LU 10	17139	4223	55297	2.5	5.3	-2207	-60005	LU 10	16764	6351	57569	2.5	7.6	Si
260	2X/2Y ø6/23.9	3231	-60290	LU 10	17176	4223	55336	2.5	5.32	-2207	-60290	LU 10	16803	6351	57610	2.5	7.61	Si
230	2X/2Y ø6/23.9	3231	-60575	LU 10	17214	4223	55376	2.5	5.33	-2207	-60575	LU 10	16842	6351	57650	2.5	7.63	Si
200	2X/2Y ø6/23.9	3231	-60861	LU 10	17252	4223	55415	2.5	5.34	-2207	-60861	LU 10	16882	6351	57691	2.5	7.65	Si
170	2X/2Y ø6/23.9	3231	-61146	LU 10	17290	4223	55454	2.5	5.35	-2207	-61146	LU 10	16921	6351	57732	2.5	7.67	Si
140	2X/2Y ø6/23.9	3231	-61431	LU 10	17327	4223	55493	2.5	5.36	-2207	-61431	LU 10	16960	6351	57772	2.5	7.69	Si
110	2X/2Y ø6/23.9	3231	-61716	LU 10	17365	4223	55532	2.5	5.37	-2207	-61716	LU 10	16999	6351	57813	2.5	7.7	Si
80	2X/2Y ø6/23.9	3231	-62001	LU 10	17403	4223	55571	2.5	5.39	-2207	-62001	LU 10	17039	6351	57853	2.5	7.72	Si
50	2X/2Y ø6/23.9	3231	-62286	LU 10	17440	4223	55610	2.5	5.4	-2207	-62286	LU 10	17078	6351	57894	2.5	7.74	Si
20	2X/2Y ø6/23.9	3231	-62575	LU 10	17479	4223	55649	2.5	5.41	-2207	-62575	LU 10	17118	6351	57935	2.5	7.76	Si
-10	2X/2Y ø6/23.9	3231	-62852	LU 10	17515	4223	55687	2.5	5.42	-2207	-62852	LU 10	17156	6351	57975	2.5	7.77	Si
770	2X/2Y ø6/24.8	814	-21983	LU 10	10606	3562	40947	2.5	13.04	-413	-22652	LU 11	10189	5615	43126	2.5	24.65	Si
741	2X/2Y ø6/24.8	814	-22206	LU 10	10635	3562	40977	2.5	13.07	-413	-22876	LU 11	10219	5615	43158	2.5	24.72	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	342273	-524626	-49077	RA 4	-48.2	335055	-522106	-52716	RA 3	-617.9	Si
20	286536	-449844	-52503	RA 3	-41.6	286536	-449844	-52503	RA 3	-543.6	Si
50	235893	-374420	-52281	RA 3	-37.3	235893	-374420	-52281	RA 3	-491.9	Si
350	-263255	368974	-50091	RA 3	-37.1	-263255	368974	-50091	RA 3	-488.2	Si
320	-214090	295752	-50307	RA 3	-33	-214090	295752	-50307	RA 3	-440	Si
80	185894	-299956	-52062	RA 3	-33	185894	-299956	-52062	RA 3	-440.8	Si
290	-164092	221288	-50526	RA 3	-28.8	-164092	221288	-50526	RA 3	-391	Si
110	135896	-225493	-51842	RA 3	-28.6	135896	-225493	-51842	RA 3	-389.7	Si
260	-114094	146825	-50745	RA 3	-24.6	-114094	146825	-50745	RA 3	-342	Si
140	85898	-151029	-51623	RA 3	-24.3	85898	-151029	-51623	RA 3	-338.6	Si
230	-64096	72361	-50965	RA 3	-20.5	-64096	72361	-50965	RA 3	-292.9	Si
170	35900	-76566	-51403	RA 3	-20	35900	-76566	-51403	RA 3	-287.5	Si
200	-13912	-2448	-51249	RA 9	-16.5	-13912	-2448	-51249	RA 9	-246.2	Si
420	54689	-114744	-19004	RA 1	-15	53123	-110622	-19567	RA 4	-196.5	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
449	47450	-96802	-18832	RA 1	-13.8	46244	-93266	-19395	RA 4	-182.6	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	344993	-522802	-48348	QP 1	-48.1	Si
20	293219	-450029	-49336	QP 2	-40.8	Si
50	241865	-374574	-49114	QP 2	-36.4	Si
350	-264290	369118	-46924	QP 2	-36.1	Si
80	191165	-300081	-48894	QP 2	-32.1	Si
320	-214435	295866	-47139	QP 2	-32	Si
290	-163735	221373	-47359	QP 2	-27.8	Si
110	140465	-225587	-48675	QP 2	-27.8	Si
260	-113035	146879	-47578	QP 2	-23.6	Si
140	89765	-151094	-48456	QP 2	-23.5	Si
230	-62335	72386	-47797	QP 2	-19.4	Si
170	39065	-76601	-48236	QP 2	-19.1	Si
200	-11526	-2268	-48017	QP 2	-15.4	Si
420	54689	-114744	-19004	QP 1	-15	Si
449	47450	-96802	-18832	QP 1	-13.8	Si

Pilastrata 20

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -57.2 a -34, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -22, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	124534	-124534	-55348	509890	-509890	LU 18	4.094	Si
20	18.1	1.8	0	1,2,3,4	124103	-124103	-55157	509890	-509890	LU 18	4.109	Si
50	18.1	1.8	0	1,2,3,4	123653	-123653	-54957	509890	-509890	LU 18	4.124	Si
80	18.1	0.9	0	2,3,4	123208	-123208	-54759	509890	-509890	LU 18	4.138	Si
110	18.1	0.9	0	2,3,4	122764	-122764	-54562	509890	-509890	LU 18	4.153	Si
140	18.1	0.9	0	2,3,4	122320	-122320	-54364	509890	-509890	LU 18	4.168	Si
170	18.1	0.9	0	2,3,4	121876	-121876	-54167	509890	-509890	LU 18	4.184	Si
200	18.1	0.9	0	2,3,4	121432	121432	-53970	509890	509890	LU 18	4.199	Si
230	18.1	0.9	0	2,3,4	120987	120987	-53772	509890	509890	LU 18	4.214	Si
260	18.1	0.9	0	2,3,4	120543	120543	-53575	509890	509890	LU 18	4.23	Si
290	18.1	0.9	0	2,3,4	120099	120099	-53377	509890	509890	LU 18	4.246	Si
320	18.1	0.9	0	2,3,4	119655	119655	-53180	509890	509890	LU 18	4.261	Si
350	18.1	0.9	0	2,3,4	124270	119218	-52986	531501	509890	LU 18	4.277	Si
420	18.1	2.3	0	2,3,4,5	-248745	116022	-17349	-1123535	524049	LU 12	4.517	Si
449	18.1	2.3	0	2,3,4,5	-214840	99152	-17200	-1142785	527415	LU 12	5.319	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-588	-15535	LU 12	7185	3562	27416	2.5	12.21	1183	-15535	LU 12	7185	3562	27416	2.5	6.07	Si
741	2X/2Y ø6/24.8	-588	-15684	LU 12	7204	3562	27436	2.5	12.24	1183	-15684	LU 12	7204	3562	27436	2.5	6.09	Si
712	2X/2Y ø6/24.8	-588	-15835	LU 12	7224	3562	27457	2.5	12.28	1183	-15835	LU 12	7224	3562	27457	2.5	6.11	Si
683	2X/2Y ø6/24.8	-588	-15987	LU 12	7244	3562	27477	2.5	12.31	1183	-15987	LU 12	7244	3562	27477	2.5	6.12	Si
653	2X/2Y ø6/24.8	-588	-16139	LU 12	7263	3562	27497	2.5	12.34	1183	-16139	LU 12	7263	3562	27497	2.5	6.14	Si
624	2X/2Y ø6/24.8	-588	-16290	LU 12	7283	3562	27518	2.5	12.38	1183	-16290	LU 12	7283	3562	27518	2.5	6.16	Si
595	2X/2Y ø6/24.8	-588	-16442	LU 12	7303	3562	27538	2.5	11.81	1183	-16442	LU 12	7303	3562	27538	2.5	6.17	Si
566	2X/2Y ø6/24.8	-588	-16594	LU 12	7323	3562	27559	2.5	11.84	1183	-16594	LU 12	7323	3562	27559	2.5	6.19	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
537	2X/2Y ø6/24.8	-588	-16745	LU 12	7342	3562	27579	2.5	11.88	1183	-16745	LU 12	7342	3562	27579	2.5	6.21	Si
508	2X/2Y ø6/24.8	-588	-16897	LU 12	7362	3562	27600	2.5	12.51	1183	-16897	LU 12	7362	3562	27600	2.5	6.22	Si
478	2X/2Y ø6/24.8	-588	-17049	LU 12	7382	3562	27620	2.5	12.54	1183	-17049	LU 12	7382	3562	27620	2.5	6.24	Si
449	2X/2Y ø6/24.8	-588	-17200	LU 12	7402	3562	27640	2.5	12.58	1183	-17200	LU 12	7402	3562	27640	2.5	6.26	Si
420	2X/2Y ø6/24.8	-588	-17349	LU 12	7421	3562	27660	2.5	12.61	1183	-17349	LU 12	7421	3562	27660	2.5	6.27	Si
350	2X/2Y ø6/23.9	685	-49172	LU 15	12670	4223	39327	2.5	18.49	397	-52386	LU 11	12670	4223	39767	2.5	31.89	Si
290	2X/2Y ø6/23.9	685	-49564	LU 15	12670	4223	39381	2.5	18.49	397	-52778	LU 11	12670	4223	39821	2.5	31.89	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	-183443	84846	-13483	RA 3	-31.6	-183443	84846	-13483	RA 3	-367.4	Si
350	104334	65277	-40168	RA 3	-26.5	104334	65277	-40168	RA 3	-366.1	Si
320	95964	54200	-40317	RA 3	-25.6	95964	54200	-40317	RA 3	-355.1	Si
290	87452	42935	-40469	RA 3	-24.6	87452	42935	-40469	RA 3	-344.1	Si
449	-158299	72510	-13368	RA 3	-24.1	-148868	68550	-14878	RA 9	-295.5	Si
260	78940	31670	-40621	RA 3	-23.6	78940	31670	-40621	RA 3	-333	Si
-10	2224	-101292	-39843	RA 8	-22.9	2445	-80568	-42033	RA 9	-325.3	Si
230	70428	20406	-40773	RA 3	-22.6	70428	20406	-40773	RA 3	-321.9	Si
20	9548	-68119	-41885	RA 9	-21.8	9548	-68119	-41885	RA 9	-321.1	Si
50	16961	-55126	-41732	RA 9	-22	16961	-55126	-41732	RA 9	-316.7	Si
80	24281	-42298	-41580	RA 9	-21.7	24281	-42298	-41580	RA 9	-312.3	Si
200	61898	9117	-40925	RA 3	-21.6	61898	9117	-40925	RA 3	-310.7	Si
110	31600	-29469	-41428	RA 9	-21.3	31600	-29469	-41428	RA 9	-307.9	Si
478	-132716	59958	-13251	RA 3	-21.2	-123990	56681	-14761	RA 9	-264.8	Si
140	44893	-13388	-41229	RA 3	-21.1	44893	-13388	-41229	RA 3	-304.9	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
350	69057	79184	-37626	QP 2	-24.3	Si
320	63567	65226	-37775	QP 2	-23.3	Si
420	-146761	64190	-13982	QP 2	-23	Si
290	57983	51031	-37927	QP 2	-22.3	Si
-10	2147	-99561	-38504	QP 1	-22.2	Si
20	7660	-76905	-39296	QP 2	-21.6	Si
260	52400	36836	-38079	QP 2	-21.3	Si
50	13315	-62527	-39142	QP 2	-21.1	Si
449	-126042	54857	-13867	QP 2	-20.7	Si
80	18899	-48332	-38990	QP 2	-20.6	Si
230	46816	22642	-38231	QP 2	-20.4	Si
110	24482	-34137	-38838	QP 2	-20	Si
140	30066	-19943	-38686	QP 2	-19.5	Si
200	41221	8416	-38383	QP 2	-19.4	Si
170	35649	-5748	-38534	QP 2	-19	Si

Pilastrata 21

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -57.2 a -34, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -22, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	122140	-553736	-54284	351474	-1593450	LU 12	2.878	Si
20	18.1	1.8	0	1,2,3,4	121709	-476888	-54093	376638	-1475770	LU 12	3.095	Si
50	18.1	1.8	0	1,2,3,4	121259	-396677	-53893	405502	-1326526	LU 12	3.344	Si
350	18.1	0.9	0	2,3,4	160270	393899	-51922	540760	1329039	LU 12	3.374	Si
80	18.1	0.9	0	2,3,4	120815	-317487	-53695	436934	-1148212	LU 12	3.617	Si
320	18.1	0.9	0	2,3,4	147347	316029	-52116	538458	1154880	LU 12	3.654	Si
420	18.1	2.3	0	2,3,4,5	-289008	-131295	-17072	-1105794	-502355	LU 12	3.826	Si
110	18.1	0.9	0	2,3,4	120370	-238298	-53498	471573	-933573	LU 12	3.918	Si
290	18.1	0.9	0	2,3,4	134206	236840	-52313	532206	939212	LU 12	3.966	Si
140	18.1	0.9	0	2,3,4	119926	-159108	-53301	507653	-673512	LU 12	4.233	Si
170	18.1	0.9	0	2,3,4	119549	-119549	-53133	509890	-509890	LU 18	4.265	Si
200	18.1	0.9	0	2,3,4	119106	-119106	-52936	509890	-509890	LU 18	4.281	Si
260	18.1	0.9	0	2,3,4	121064	157650	-52511	518990	675831	LU 12	4.287	Si
230	18.1	0.9	0	2,3,4	118661	118661	-52738	509890	509890	LU 18	4.297	Si
449	18.1	2.3	0	2,3,4,5	-249290	-111110	-16923	-1136407	-506502	LU 12	4.559	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-10	2X/2Y ø6/23.9	2640	-54284	LU 12	12670	4223	40027	2.5	4.8	439	-53766	LU 11	12670	4223	39956	2.5	28.88	Si
320	2X/2Y ø6/23.9	2640	-52116	LU 12	12670	4223	39730	2.5	4.8	439	-51597	LU 11	12670	4223	39659	2.5	28.88	Si
290	2X/2Y ø6/23.9	2640	-52313	LU 12	12670	4223	39757	2.5	4.8	439	-51795	LU 11	12670	4223	39686	2.5	28.88	Si
260	2X/2Y ø6/23.9	2640	-52511	LU 12	12670	4223	39784	2.5	4.8	439	-51992	LU 11	12670	4223	39713	2.5	28.88	Si
230	2X/2Y ø6/23.9	2640	-52708	LU 12	12670	4223	39811	2.5	4.8	439	-52190	LU 11	12670	4223	39740	2.5	28.88	Si
200	2X/2Y ø6/23.9	2640	-52906	LU 12	12670	4223	39839	2.5	4.8	439	-52387	LU 11	12670	4223	39768	2.5	28.88	Si
350	2X/2Y ø6/23.9	2640	-51922	LU 12	12670	4223	39704	2.5	4.8	439	-51403	LU 11	12670	4223	39633	2.5	28.88	Si
140	2X/2Y ø6/23.9	2640	-53301	LU 12	12670	4223	39893	2.5	4.8	439	-52782	LU 11	12670	4223	39822	2.5	28.88	Si
110	2X/2Y ø6/23.9	2640	-53498	LU 12	12670	4223	39920	2.5	4.8	439	-52979	LU 11	12670	4223	39849	2.5	28.88	Si
80	2X/2Y ø6/23.9	2640	-53695	LU 12	12670	4223	39947	2.5	4.8	439	-53177	LU 11	12670	4223	39876	2.5	28.88	Si
50	2X/2Y ø6/23.9	2640	-53893	LU 12	12670	4223	39974	2.5	4.8	439	-53374	LU 11	12670	4223	39903	2.5	28.88	Si
20	2X/2Y ø6/23.9	2640	-54093	LU 12	12670	4223	40001	2.5	4.8	439	-53574	LU 11	12670	4223	39930	2.5	28.88	Si
170	2X/2Y ø6/23.9	2640	-53103	LU 12	12670	4223	39866	2.5	4.8	439	-52584	LU 11	12670	4223	39795	2.5	28.88	Si
770	2X/2Y ø6/24.8	700	-14649	LU 11	7070	3562	27297	2.5	10.1	1386	-15258	LU 12	7149	3562	27379	2.5	5.16	Si
741	2X/2Y ø6/24.8	700	-14798	LU 11	7089	3562	27317	2.5	10.13	1386	-15407	LU 12	7168	3562	27399	2.5	5.17	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	2266	-416402	-41218	RA 3	-40.3	2266	-416402	-41218	RA 3	-525.2	Si
350	115363	296279	-39400	RA 3	-39.1	115363	296279	-39400	RA 3	-509	Si
20	11438	-358608	-41070	RA 3	-37.6	11438	-358608	-41070	RA 3	-494.5	Si
420	-213945	-97882	-13272	RA 3	-37.2	-213945	-97882	-13272	RA 3	-421.2	Si
320	106070	237716	-39550	RA 3	-35.6	106070	237716	-39550	RA 3	-468.5	Si
50	21011	-298284	-40917	RA 3	-34.8	21011	-298284	-40917	RA 3	-462.5	Si
80	30462	-238728	-40765	RA 3	-32.1	30462	-238728	-40765	RA 3	-430.8	Si
290	96619	178161	-39702	RA 3	-31.9	96619	178161	-39702	RA 3	-427.3	Si
449	-184400	-82816	-13157	RA 3	-31.5	-184400	-82816	-13157	RA 3	-365.3	Si
110	39913	-179172	-40613	RA 3	-29.4	39913	-179172	-40613	RA 3	-399.2	Si
260	87168	118605	-39854	RA 3	-28.3	87168	118605	-39854	RA 3	-386.1	Si
770	145741	85545	-11876	RA 3	-27	145741	85545	-11876	RA 3	-316.5	Si
140	49364	-119617	-40461	RA 3	-26.6	49364	-119617	-40461	RA 3	-367.6	Si
230	77717	59050	-40005	RA 3	-24.7	77717	59050	-40005	RA 3	-344.9	Si
170	58815	-60061	-40309	RA 3	-23.9	58815	-60061	-40309	RA 3	-336	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	2042	-371910	-38660	QP 2	-36.8	Si
350	79361	264952	-36842	QP 2	-34.4	Si
20	8312	-320264	-38513	QP 2	-34.3	Si
50	14857	-266358	-38359	QP 2	-31.7	Si
320	73007	212619	-36992	QP 2	-31.3	Si
420	-175028	-83590	-13785	QP 2	-30.3	Si
80	21318	-213138	-38207	QP 2	-29.1	Si
290	66546	159399	-37144	QP 2	-28.2	Si
110	27779	-159918	-38055	QP 2	-26.6	Si
260	60085	106180	-37296	QP 2	-25.1	Si
140	34240	-106699	-37903	QP 2	-24	Si
449	-150248	-70643	-13670	QP 2	-23.5	Si
230	53624	52960	-37447	QP 2	-22	Si
170	40701	-53479	-37751	QP 2	-21.5	Si
770	126647	74040	-12389	QP 2	-21.4	Si

Pilastrata 22

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x65	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x60	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.1	17.2	-27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.1	17.2	27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.1	-17.2	27.2	1.8	2.540	-22	-10	R 45x65	FeB 32k liscio LC1
p.2	-17.2	-27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.2	17.2	27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.3	17.2	-27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.4	-17.2	27.2	1.8	2.540	-10	420	R 45x65	FeB 32k liscio LC1
p.5	-12.2	-27.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1
p.5	17.2	-27.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1
p.5	17.2	22.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1
p.5	-12.2	22.2	1.8	2.540	420	816	R 40x60	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -57.2 a -34, 54.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -22, 54.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 54.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 54.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 54.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 52.8 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 396 a 420, 50.3 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 420 a 481.6, 49.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 481.6 a 770, 49.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 770 a 807.2, 49.4 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.2	0	1,2,3,4	254066	-333652	-69081	1036882	-1361681	LU 18	4.081	Si
20	18.1	1.2	0	1,2,3,4	223614	-286913	-68804	955123	-1225493	LU 18	4.271	Si
50	18.1	1.2	0	1,2,3,4	222675	-238128	-68515	989863	-1058558	LU 18	4.445	Si
80	18.1	0.6	0	2,3,4	221748	-189965	-68230	1011653	-866654	LU 18	4.562	Si
350	18.1	0.6	0	2,3,4	-220105	242699	-65668	-1007673	1111111	LU 18	4.578	Si
110	18.1	0.6	0	2,3,4	220821	-152876	-67945	1011653	-700375	LU 18	4.581	Si
140	18.1	0.6	0	2,3,4	219894	-152235	-67660	1011653	-700375	LU 18	4.601	Si
170	18.1	0.6	0	2,3,4	218968	-151593	-67375	1011653	-700375	LU 18	4.62	Si
200	18.1	0.6	0	2,3,4	-218043	150953	-67090	-1011653	700375	LU 18	4.64	Si
230	18.1	0.6	0	2,3,4	-217114	150310	-66804	-1011653	700375	LU 18	4.66	Si
260	18.1	0.6	0	2,3,4	-216187	149668	-66519	-1011653	700375	LU 18	4.68	Si
290	18.1	0.6	0	2,3,4	-215260	149026	-66234	-1011653	700375	LU 18	4.7	Si
320	18.1	0.6	0	2,3,4	-214333	195339	-65949	-1011653	922000	LU 18	4.72	Si
420	18.1	1.5	0	2,3,4,5	80578	75849	-26859	777262	731648	LU 18	9.646	Si
449	18.1	1.5	0	2,3,4,5	79907	65636	-26636	785679	645363	LU 18	9.832	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	1605	-65668	LU 18	17888	4223	56073	2.5	11.14	-1551	-58687	LU 10	16582	6351	57381	2.5	10.69	Si
320	2X/2Y ø6/23.9	1605	-65949	LU 18	17925	4223	56111	2.5	11.17	-1551	-58968	LU 10	16621	6351	57421	2.5	10.71	Si
290	2X/2Y ø6/23.9	1605	-66234	LU 18	17963	4223	56150	2.5	11.19	-1551	-59253	LU 10	16660	6351	57462	2.5	10.74	Si
260	2X/2Y ø6/23.9	1605	-66519	LU 18	18001	4223	56189	2.5	11.21	-1551	-59538	LU 10	16699	6351	57502	2.5	10.76	Si
230	2X/2Y ø6/23.9	1605	-66804	LU 18	18038	4223	56228	2.5	11.24	-1551	-59823	LU 10	16739	6351	57543	2.5	10.79	Si
200	2X/2Y ø6/23.9	1605	-67090	LU 18	18076	4223	56267	2.5	11.26	-1551	-60109	LU 10	16778	6351	57584	2.5	10.82	Si
170	2X/2Y ø6/23.9	1605	-67375	LU 18	18114	4223	56306	2.5	11.28	-1551	-60394	LU 10	16817	6351	57624	2.5	10.84	Si
140	2X/2Y ø6/23.9	1605	-67660	LU 18	18152	4223	56345	2.5	11.31	-1551	-60679	LU 10	16856	6351	57665	2.5	10.87	Si
110	2X/2Y ø6/23.9	1605	-67945	LU 18	18189	4223	56384	2.5	11.33	-1551	-60964	LU 10	16896	6351	57706	2.5	10.89	Si
80	2X/2Y ø6/23.9	1605	-68230	LU 18	18227	4223	56423	2.5	11.35	-1551	-61249	LU 10	16935	6351	57746	2.5	10.92	Si
50	2X/2Y ø6/23.9	1605	-68515	LU 18	18265	4223	56463	2.5	11.38	-1551	-61535	LU 10	16974	6351	57787	2.5	10.94	Si
20	2X/2Y ø6/23.9	1605	-68804	LU 18	18301	4223	56502	2.5	11.4	-1551	-61823	LU 10	17014	6351	57828	2.5	10.97	Si
-10	2X/2Y ø6/23.9	1605	-69081	LU 18	18301	4223	56540	2.5	11.4	-1551	-62100	LU 10	17052	6351	57868	2.5	10.99	Si
770	2X/2Y ø6/24.8	-356	-24137	LU 18	10886	3562	41237	2.5	30.56	-247	-22195	LU 11	10126	5615	43061	2.5	41.02	Si
741	2X/2Y ø6/24.8	-356	-24361	LU 18	10915	3562	41267	2.5	30.64	-247	-22419	LU 11	10157	5615	43093	2.5	41.14	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	213323	-249665	-52337	RA 3	-31.8	213323	-249665	-52337	RA 3	-428.6	Si
20	181280	-214682	-52124	RA 3	-29.5	181280	-214682	-52124	RA 3	-401.2	Si
350	-181816	181718	-49712	RA 3	-27.5	-181816	181718	-49712	RA 3	-375.3	Si
50	147834	-178168	-51902	RA 3	-27.1	147834	-178168	-51902	RA 3	-372.7	Si
320	-149346	146270	-49927	RA 3	-25.3	-149346	146270	-49927	RA 3	-349.6	Si
80	114814	-142119	-51682	RA 3	-24.8	114814	-142119	-51682	RA 3	-344.5	Si
290	-116326	110222	-50147	RA 3	-23.1	-116326	110222	-50147	RA 3	-323.4	Si
110	81794	-106071	-51463	RA 3	-21.8	81794	-106071	-51463	RA 3	-316.3	Si
260	-83306	74173	-50366	RA 3	-20.9	-83306	74173	-50366	RA 3	-297.3	Si
140	48774	-70022	-51244	RA 3	-20.1	48774	-70022	-51244	RA 3	-288.1	Si
230	-50286	38124	-50586	RA 3	-18.6	-50286	38124	-50586	RA 3	-271.2	Si
170	14210	-34461	-51111	RA 9	-17.7	14210	-34461	-51111	RA 9	-260.1	Si
200	-16913	1938	-50892	RA 9	-16.4	-16913	1938	-50892	RA 9	-245.3	Si
420	45885	56111	-19411	RA 3	-11.8	45885	56111	-19411	RA 3	-160.9	Si
449	40899	48595	-19239	RA 3	-11.2	27239	49516	-20226	RA 9	-153.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	229074	-233041	-49024	QP 2	-30.5	Si
20	195150	-200407	-48811	QP 2	-28.3	Si
350	-189257	169381	-46399	QP 2	-26.2	Si
50	159740	-166344	-48589	QP 2	-25.9	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
320	-154881	136313	-46615	QP 2	-24	Si
80	124783	-132716	-48370	QP 2	-23.6	Si
290	-119923	102685	-46834	QP 2	-21.8	Si
110	89825	-99087	-48150	QP 2	-21.3	Si
260	-84965	69056	-47054	QP 2	-19.7	Si
140	54867	-65458	-47931	QP 2	-19	Si
230	-50007	35427	-47273	QP 2	-17.5	Si
170	19909	-31830	-47712	QP 2	-16.7	Si
200	-14974	1726	-47493	QP 2	-15.3	Si
420	43239	51275	-18812	QP 2	-11.2	Si
449	38497	44436	-18640	QP 2	-10.6	Si

Pilastrata 23

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -57.2 a -34, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -22, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-359399	256710	-18792	-901273	643759	LU 12	2.508	Si
449	18.1	2.3	0	2,3,4,5	-308106	219482	-18643	-928375	661335	LU 12	3.013	Si
770	18.1	1.1	0	5	265059	-196521	-16978	919822	-681979	LU 12	3.47	Si
478	18.1	2.3	0	2,3,4,5	-255919	181604	-18492	-960570	681637	LU 12	3.753	Si
350	18.1	0.9	0	2,3,4	233294	-113900	-50622	958263	-467846	LU 12	4.108	Si
320	18.1	0.9	0	2,3,4	214460	-114336	-50816	895263	-477298	LU 12	4.175	Si
-10	18.1	1.8	0	1,2,3,4	119216	165493	-52985	504474	700301	LU 12	4.232	Si
290	18.1	0.9	0	2,3,4	195306	-114781	-51014	828773	-487066	LU 12	4.243	Si
20	18.1	1.8	0	1,2,3,4	119526	119526	-53123	509890	509890	LU 18	4.266	Si
50	18.1	1.8	0	1,2,3,4	119076	119076	-52923	509890	509890	LU 18	4.282	Si
80	18.1	0.9	0	2,3,4	118632	118632	-52725	509890	509890	LU 18	4.298	Si
260	18.1	0.9	0	2,3,4	176153	-115225	-51211	759464	-496780	LU 12	4.311	Si
110	18.1	0.9	0	2,3,4	118187	118187	-52528	509890	509890	LU 18	4.314	Si
140	18.1	0.9	0	2,3,4	117743	117743	-52330	509890	509890	LU 18	4.331	Si
170	18.1	0.9	0	2,3,4	117299	117299	-52133	509890	509890	LU 18	4.347	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-1299	-16101	LU 11	7259	3562	27492	2.5	5.59	1789	-16978	LU 12	7373	3562	27610	2.5	4.12	Si
741	2X/2Y ø6/24.8	-1299	-16250	LU 11	7278	3562	27512	2.5	5.6	1789	-17127	LU 12	7392	3562	27630	2.5	4.13	Si
712	2X/2Y ø6/24.8	-1299	-16402	LU 11	7298	3562	27533	2.5	5.62	1789	-17278	LU 12	7412	3562	27651	2.5	4.14	Si
683	2X/2Y ø6/24.8	-1299	-16553	LU 11	7317	3562	27553	2.5	5.63	1789	-17430	LU 12	7431	3562	27671	2.5	4.15	Si
653	2X/2Y ø6/24.8	-1299	-16705	LU 11	7337	3562	27574	2.5	5.65	1789	-17582	LU 12	7451	3562	27692	2.5	4.16	Si
624	2X/2Y ø6/24.8	-1299	-16857	LU 11	7357	3562	27594	2.5	5.66	1789	-17733	LU 12	7471	3562	27712	2.5	4.18	Si
595	2X/2Y ø6/24.8	-1299	-17008	LU 11	7377	3562	27615	2.5	5.68	1789	-17885	LU 12	7491	3562	27733	2.5	4.19	Si
566	2X/2Y ø6/24.8	-1299	-17160	LU 11	7396	3562	27635	2.5	5.69	1789	-18037	LU 12	7510	3562	27753	2.5	4.2	Si
537	2X/2Y ø6/24.8	-1299	-17312	LU 11	7416	3562	27655	2.5	5.71	1789	-18188	LU 12	7530	3562	27773	2.5	4.21	Si
508	2X/2Y ø6/24.8	-1299	-17463	LU 11	7436	3562	27676	2.5	5.72	1789	-18340	LU 12	7550	3562	27794	2.5	4.22	Si
478	2X/2Y ø6/24.8	-1299	-17615	LU 11	7456	3562	27696	2.5	5.74	1789	-18492	LU 12	7570	3562	27814	2.5	4.23	Si
449	2X/2Y ø6/24.8	-1299	-17767	LU 11	7475	3562	27717	2.5	5.75	1789	-18643	LU 12	7589	3562	27835	2.5	4.24	Si
420	2X/2Y ø6/24.8	-1299	-17916	LU 11	7495	3562	27737	2.5	5.77	1789	-18792	LU 12	7609	3562	27855	2.5	4.25	Si
-10	2X/2Y ø6/23.9	-764	-52358	LU 11	12670	4223	39764	2.5	16.58	640	-52358	LU 11	12670	4223	39764	2.5	19.81	Si
110	2X/2Y ø6/23.9	-764	-51572	LU 11	12670	4223	39656	2.5	16.58	640	-51572	LU 11	12670	4223	39656	2.5	19.81	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²

Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	-266780	193215	-14587	RA 3	-55.9	-261043	193155	-14002	RA 2	644.4	Si
449	-228537	165192	-14472	RA 3	-47.1	-228537	165192	-14472	RA 3	-527.2	Si
770	198806	-147946	-13191	RA 3	-41.3	206188	-139877	-15036	RA 9	-467.1	Si
478	-189627	136681	-14356	RA 3	-38.4	-189627	136681	-14356	RA 3	-440.5	Si
741	160563	-119923	-13306	RA 3	-32.8	167915	-113315	-15151	RA 9	-386.1	Si
508	-150717	108169	-14239	RA 3	-30.1	-150717	108169	-14239	RA 3	-356.1	Si
350	171018	-75138	-38428	RA 3	-29.9	171018	-75138	-38428	RA 3	-401.5	Si
320	157219	-58888	-38577	RA 3	-28.3	157219	-58888	-38577	RA 3	-384.1	Si
290	143185	-42363	-38729	RA 3	-26.8	143185	-42363	-38729	RA 3	-366.4	Si
260	129152	-25838	-38881	RA 3	-25.2	129152	-25838	-38881	RA 3	-348.7	Si
-10	3085	122614	-40245	RA 3	-24.2	3085	122614	-40245	RA 3	-339.7	Si
20	16704	106577	-40098	RA 3	-24	16704	106577	-40098	RA 3	-337.3	Si
712	128975	-86291	-15267	RA 9	-24	128975	-86291	-15267	RA 9	-296.9	Si
50	30918	89839	-39944	RA 3	-23.8	30918	89839	-39944	RA 3	-334.7	Si
80	44952	73314	-39792	RA 3	-23.6	44952	73314	-39792	RA 3	-332.2	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	-221015	173840	-15008	QP 2	-47	Si
449	-188641	148609	-14894	QP 2	-39.6	Si
770	173120	-133332	-13612	QP 2	-36	Si
478	-155703	122938	-14777	QP 2	-32.3	Si
741	140746	-108101	-13727	QP 2	-28.9	Si
350	132700	-61897	-35970	QP 2	-26	Si
320	122025	-48421	-36120	QP 2	-24.8	Si
508	-122764	97267	-14660	QP 2	-24	Si
290	111170	-34716	-36272	QP 2	-23.6	Si
260	100315	-21012	-36423	QP 2	-22.3	Si
-10	2798	102099	-37788	QP 2	-22	Si
20	13332	88800	-37640	QP 2	-21.8	Si
50	24328	74918	-37487	QP 2	-21.6	Si
80	35183	61214	-37335	QP 2	-21.4	Si
712	107808	-82430	-13844	QP 2	-21.4	Si

Pilastrata 24

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -57.2 a -34, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -22, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-294116	161575	-12093	-959191	526940	LU 11	3.261	Si
449	18.1	2.3	0	2,3,4,5	-258007	138653	-11944	-991849	533021	LU 11	3.844	Si
350	18.1	0.9	0	2,3,4	265711	108997	-48443	1089064	446743	LU 12	4.099	Si
320	18.1	0.9	0	2,3,4	244102	109434	-48637	1021273	457847	LU 12	4.184	Si
290	18.1	0.9	0	2,3,4	222127	109878	-48835	948743	469307	LU 12	4.271	Si
260	18.1	0.9	0	2,3,4	200152	110322	-49032	872141	480716	LU 12	4.357	Si
230	18.1	0.9	0	2,3,4	178177	110766	-49229	792009	492363	LU 12	4.445	Si
-10	18.1	1.8	0	1,2,3,4	114313	-114313	-50806	509890	-509890	LU 12	4.46	Si
20	18.1	1.8	0	1,2,3,4	113882	-113882	-50614	509890	-509890	LU 12	4.477	Si
50	18.1	1.8	0	1,2,3,4	113432	-113432	-50414	509890	-509890	LU 12	4.495	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
80	18.1	0.9	0	2,3,4	112987	-112987	-50217	509890	-509890	LU 12	4.513	Si
200	18.1	0.9	0	2,3,4	156155	-111212	-49427	707162	-503631	LU 12	4.529	Si
110	18.1	0.9	0	2,3,4	112543	-112543	-50019	509890	-509890	LU 12	4.531	Si
140	18.1	0.9	0	2,3,4	112252	-112099	-49822	510588	-509890	LU 12	4.549	Si
170	18.1	0.9	0	2,3,4	134227	-111655	-49624	612972	-509890	LU 12	4.567	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-957	-12181	LU 10	6748	3562	26965	2.5	7.05	1260	-10278	LU 11	6501	3562	26709	2.5	5.16	Si
741	2X/2Y ø6/24.8	-957	-12330	LU 10	6768	3562	26985	2.5	7.07	1260	-10427	LU 11	6520	3562	26729	2.5	5.18	Si
712	2X/2Y ø6/24.8	-957	-12481	LU 10	6788	3562	27005	2.5	7.09	1260	-10579	LU 11	6540	3562	26749	2.5	5.19	Si
683	2X/2Y ø6/24.8	-957	-12633	LU 10	6807	3562	27026	2.5	7.12	1260	-10730	LU 11	6560	3562	26769	2.5	5.21	Si
653	2X/2Y ø6/24.8	-957	-12785	LU 10	6827	3562	27046	2.5	7.14	1260	-10882	LU 11	6579	3562	26790	2.5	5.22	Si
624	2X/2Y ø6/24.8	-957	-12936	LU 10	6847	3562	27066	2.5	7.16	1260	-11034	LU 11	6599	3562	26810	2.5	5.24	Si
595	2X/2Y ø6/24.8	-957	-13088	LU 10	6866	3562	27087	2.5	7.18	1260	-11185	LU 11	6619	3562	26831	2.5	5.25	Si
566	2X/2Y ø6/24.8	-957	-13240	LU 10	6886	3562	27107	2.5	7.2	1260	-11337	LU 11	6639	3562	26851	2.5	5.27	Si
537	2X/2Y ø6/24.8	-957	-13391	LU 10	6906	3562	27128	2.5	7.22	1260	-11489	LU 11	6658	3562	26872	2.5	5.29	Si
508	2X/2Y ø6/24.8	-957	-13543	LU 10	6926	3562	27148	2.5	7.24	1260	-11640	LU 11	6678	3562	26892	2.5	5.3	Si
478	2X/2Y ø6/24.8	-957	-13695	LU 10	6945	3562	27169	2.5	7.26	1260	-11792	LU 11	6698	3562	26912	2.5	5.32	Si
449	2X/2Y ø6/24.8	-957	-13846	LU 10	6965	3562	27189	2.5	7.28	1260	-11944	LU 11	6718	3562	26933	2.5	5.33	Si
420	2X/2Y ø6/24.8	-957	-13996	LU 10	6985	3562	27209	2.5	7.3	1260	-12093	LU 11	6737	3562	26953	2.5	5.35	Si
350	2X/2Y ø6/23.9	356	-38003	LU 9	11397	4223	37798	2.5	31.98	734	-48221	LU 11	12670	4223	39197	2.5	17.27	Si
290	2X/2Y ø6/23.9	356	-38305	LU 9	11437	4223	37840	2.5	32.09	734	-48613	LU 11	12670	4223	39251	2.5	17.27	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	-216935	127496	-9497	RA 2	-41.8	-216935	127496	-9497	RA 2	554.3	Si
449	-190290	109401	-9383	RA 2	-36.5	-190290	109401	-9383	RA 2	434.6	Si
478	-163180	90991	-9266	RA 2	-30.6	-163180	90991	-9266	RA 2	-340.1	Si
350	195803	23913	-36852	RA 3	-27.8	195803	23913	-36852	RA 3	-375	Si
320	179883	18001	-37002	RA 3	-26.7	179883	18001	-37002	RA 3	-362.7	Si
290	163693	11988	-37153	RA 3	-25.5	163693	11988	-37153	RA 3	-350.1	Si
260	147503	5976	-37305	RA 3	-24.4	147503	5976	-37305	RA 3	-337.5	Si
230	131488	-1139	-37309	RA 2	-23.3	131314	-37	-37457	RA 3	-325	Si
200	115089	-6063	-37609	RA 3	-22.8	115089	-6063	-37609	RA 3	-319.7	Si
170	98934	-12062	-37761	RA 3	-21.8	98934	-12062	-37761	RA 3	-314.5	Si
140	82745	-18075	-37913	RA 3	-21.9	82745	-18075	-37913	RA 3	-309.3	Si
110	66555	-24088	-38065	RA 3	-21.4	66555	-24088	-38065	RA 3	-304	Si
80	50365	-30100	-38217	RA 3	-20.9	50365	-30100	-38217	RA 3	-298.8	Si
50	34176	-36113	-38368	RA 3	-20.5	34176	-36113	-38368	RA 3	-293.6	Si
508	-136070	72581	-9149	RA 2	-20.2	-136070	72581	-9149	RA 2	-242.5	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	-174580	142089	-10385	QP 2	-38.3	Si
449	-153084	121892	-10271	QP 2	-32.8	Si
478	-131213	101344	-10154	QP 2	-27.3	Si
350	156799	-9354	-34935	QP 2	-24.1	Si
320	144067	-8865	-35084	QP 2	-23.4	Si
290	131119	-8368	-35236	QP 2	-22.8	Si
260	118171	-7871	-35388	QP 2	-22.1	Si
230	105222	-7373	-35540	QP 2	-21.5	Si
200	92246	-6875	-35692	QP 2	-20.8	Si
170	79326	-6379	-35843	QP 2	-20.2	Si
140	66378	-5882	-35995	QP 2	-19.5	Si
508	-109342	80795	-10037	QP 2	-19.3	Si
110	53430	-5385	-36147	QP 2	-18.9	Si
770	87123	-103789	-8989	QP 2	-18.8	Si
80	40482	-4888	-36299	QP 2	-18.2	Si

Pilastrata 25

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -57.2 a -34, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -22, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	71729	227762	-31880	410077	1302117	LU 10	5.717	Si
20	18.1	1.8	0	1,2,3,4	71298	202618	-31688	426333	1211570	LU 10	5.98	Si
50	18.1	1.8	0	1,2,3,4	70848	176374	-31488	444036	1105406	LU 10	6.267	Si
80	18.1	0.9	0	2,3,4	70404	150463	-31291	463001	989499	LU 10	6.576	Si
110	18.1	0.9	0	2,3,4	76643	76643	-34064	509890	509890	LU 12	6.653	Si
140	18.1	0.9	0	2,3,4	76199	76199	-33866	509890	509890	LU 12	6.692	Si
170	18.1	0.9	0	2,3,4	75754	75754	-33669	509890	509890	LU 12	6.731	Si
200	18.1	0.9	0	2,3,4	75311	75311	-33472	509890	509890	LU 12	6.77	Si
230	18.1	0.9	0	2,3,4	74866	74866	-33274	509890	509890	LU 12	6.811	Si
260	18.1	0.9	0	2,3,4	74422	74422	-33076	509890	509890	LU 12	6.851	Si
290	18.1	0.9	0	2,3,4	73978	73978	-32879	509890	509890	LU 12	6.893	Si
320	18.1	0.9	0	2,3,4	73533	73533	-32681	509890	509890	LU 12	6.934	Si
350	18.1	0.9	0	2,3,4	73096	73096	-32487	509890	509890	LU 12	6.976	Si
420	18.1	2.3	0	2,3,4,5	20132	168285	-10066	167198	1397640	LU 10	8.305	Si
449	18.1	2.3	0	2,3,4,5	19834	143966	-9917	189346	1374395	LU 10	9.547	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-848	-8251	LU 10	6237	3562	26436	2.5	7.35	-61	-8956	LU 18	6329	3562	26531	2.5	103.65	Si
741	2X/2Y ø6/24.8	-848	-8400	LU 10	6256	3562	26456	2.5	7.37	-61	-9105	LU 18	6348	3562	26551	2.5	103.96	Si
712	2X/2Y ø6/24.8	-848	-8552	LU 10	6276	3562	26476	2.5	7.4	-61	-9257	LU 18	6368	3562	26571	2.5	104.29	Si
683	2X/2Y ø6/24.8	-848	-8703	LU 10	6296	3562	26497	2.5	7.42	-61	-9409	LU 18	6388	3562	26592	2.5	104.61	Si
653	2X/2Y ø6/24.8	-848	-8855	LU 10	6316	3562	26517	2.5	7.44	-61	-9560	LU 18	6407	3562	26612	2.5	104.93	Si
624	2X/2Y ø6/24.8	-848	-9007	LU 10	6335	3562	26537	2.5	7.47	-61	-9712	LU 18	6427	3562	26632	2.5	105.26	Si
595	2X/2Y ø6/24.8	-848	-9158	LU 10	6355	3562	26558	2.5	7.49	-61	-9864	LU 18	6447	3562	26653	2.5	105.58	Si
566	2X/2Y ø6/24.8	-848	-9310	LU 10	6375	3562	26578	2.5	7.51	-61	-10015	LU 18	6467	3562	26673	2.5	105.9	Si
537	2X/2Y ø6/24.8	-848	-9462	LU 10	6395	3562	26599	2.5	7.54	-61	-10167	LU 18	6486	3562	26694	2.5	106.23	Si
508	2X/2Y ø6/24.8	-848	-9613	LU 10	6414	3562	26619	2.5	7.56	-61	-10319	LU 18	6506	3562	26714	2.5	106.55	Si
478	2X/2Y ø6/24.8	-848	-9765	LU 10	6434	3562	26640	2.5	7.58	-61	-10470	LU 18	6526	3562	26734	2.5	106.87	Si
449	2X/2Y ø6/24.8	-848	-9917	LU 10	6454	3562	26660	2.5	7.61	-61	-10622	LU 18	6546	3562	26755	2.5	107.2	Si
420	2X/2Y ø6/24.8	-848	-10066	LU 10	6473	3562	26680	2.5	7.63	-61	-10771	LU 18	6565	3562	26775	2.5	107.51	Si
350	2X/2Y ø6/23.9	-864	-29517	LU 10	10274	4223	36637	2.5	11.9	118	-30091	LU 17	10350	4223	36715	2.5	87.6	Si
320	2X/2Y ø6/23.9	-864	-29711	LU 10	10300	4223	36663	2.5	11.93	118	-30285	LU 17	10375	4223	36742	2.5	87.82	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	2526	175202	-24523	RA 1	-20.2	2526	175202	-24523	RA 1	-268.8	Si
20	5031	155860	-24375	RA 1	-19.2	5031	155860	-24375	RA 1	-257.6	Si
50	7646	135672	-24222	RA 1	-18.2	7646	135672	-24222	RA 1	-245.8	Si
80	10228	115741	-24070	RA 1	-17.2	10228	115741	-24070	RA 1	-234.2	Si
110	12809	95810	-23918	RA 1	-16.2	12809	95810	-23918	RA 1	-222.6	Si
140	15391	75879	-23766	RA 1	-15.2	16020	72495	-24096	RA 6	-211.5	Si
350	33419	-63305	-22705	RA 1	-15	33419	-63305	-22705	RA 1	-207.4	Si
420	14759	129450	-7743	RA 1	-14.7	14759	129450	-7743	RA 1	-179	Si
170	19717	43409	-25346	RA 9	-14.4	19717	43409	-25346	RA 9	-204.1	Si
200	21994	34260	-25443	RA 3	-14.1	21994	34260	-25443	RA 3	-200.6	Si
320	30880	-43707	-22855	RA 1	-13.9	30880	-43707	-22855	RA 1	-194.9	Si
230	24660	27997	-25291	RA 3	-13.8	24660	27997	-25291	RA 3	-197.4	Si
260	27320	21747	-25139	RA 3	-13.6	27320	21747	-25139	RA 3	-194.2	Si
290	29980	15497	-24987	RA 3	-13.3	29980	15497	-24987	RA 3	-191	Si
449	13735	110743	-7628	RA 1	-13.2	13735	110743	-7628	RA 1	-162.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	2526	175202	-24523	QP 1	-20.2	Si
20	5031	155860	-24375	QP 1	-19.2	Si
50	7646	135672	-24222	QP 1	-18.2	Si
80	10228	115741	-24070	QP 1	-17.2	Si
110	12809	95810	-23918	QP 1	-16.2	Si
140	15391	75879	-23766	QP 1	-15.2	Si
350	33419	-63305	-22705	QP 1	-15	Si
420	14759	129450	-7743	QP 1	-14.7	Si
170	18323	51490	-24192	QP 2	-14.3	Si
320	30880	-43707	-22855	QP 1	-13.9	Si
200	20915	35495	-24041	QP 2	-13.5	Si
449	13735	110743	-7628	QP 1	-13.2	Si
290	28299	-23776	-23007	QP 1	-12.8	Si
230	23517	19431	-23889	QP 2	-12.7	Si
260	26115	3401	-23737	QP 2	-11.9	Si

Pilastrata 25A

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-60	R 40x50	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-14.7	-19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	14.7	-19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	14.7	19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	-14.7	19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.2	-14.7	-19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	14.7	-19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	14.7	19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	-14.7	19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 39.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 39.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -60, 39.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -60 a -46.8, 39.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-60	18.1	0.9	0	2	318969	-50770	-7334	1346675	-214349	LU 18	4.222	Si
-89	18.1	0.9	0	2	291849	-45330	-7522	1446904	-224732	LU 18	4.958	Si
-119	18.1	0.9	0	2	264259	-39795	-7713	1571721	-236689	LU 18	5.948	Si
-148	18.1	0.9	0	2	236668	-34261	-7903	1716547	-248493	LU 18	7.253	Si
-177	18.1	0.9	0	2	209078	-28726	-8094	1873086	-257354	LU 18	8.959	Si
-207	18.1	0.9	0	2	181488	-23192	-8285	2005628	-256295	LU 18	11.051	Si
-236	18.1	0.9	0	2	153897	-17657	-8475	2047144	-234880	LU 18	13.302	Si
-265	18.1	0.9	0	2	126256	-17332	-8666	1958064	-268803	LU 18	15.509	Si
-500	18.1	1.8	0	1,2	-93946	32058	-10188	-1529083	521791	LU 18	16.276	Si
-295	18.1	0.9	0	2	99761	-17611	-8805	1761487	-310952	LU 17	17.657	Si
-471	18.1	1.8	0	1,2	-66826	26618	-10001	-1259682	501763	LU 18	18.85	Si
-324	18.1	0.9	0	2	72974	-17992	-8996	1455719	-358909	LU 17	19.948	Si
-441	18.1	1.8	0	1,2	-39235	21084	-9810	-863734	464145	LU 18	22.014	Si
-353	18.1	0.9	0	2	46188	18373	-9187	1039839	413641	LU 17	22.513	Si
-412	18.1	0.9	0	2	-24048	19238	-9619	-560666	448532	LU 18	23.314	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-60	2X/2Y ø6/24.4	-211	-6849	LU 11	7345	3606	32578	2.5	34.82	941	-7334	LU 18	7130	4646	33641	2.5	7.58	Si
-89	2X/2Y ø6/24.4	-211	-7037	LU 11	7370	3606	32603	2.5	34.94	941	-7522	LU 18	7155	4646	33667	2.5	7.61	Si
-119	2X/2Y ø6/24.4	-211	-7227	LU 11	7395	3606	32629	2.5	35.06	941	-7713	LU 18	7180	4646	33693	2.5	7.63	Si
-148	2X/2Y ø6/24.4	-211	-7418	LU 11	7420	3606	32655	2.5	35.17	941	-7903	LU 18	7206	4646	33720	2.5	7.66	Si
-177	2X/2Y ø6/24.4	-211	-7609	LU 11	7444	3606	32680	2.5	35.29	941	-8094	LU 18	7231	4646	33746	2.5	7.69	Si
-207	2X/2Y ø6/24.4	-211	-7799	LU 11	7469	3606	32706	2.5	35.41	941	-8285	LU 18	7257	4646	33773	2.5	7.72	Si
-236	2X/2Y ø6/24.4	-211	-7990	LU 11	7494	3606	32732	2.5	35.53	941	-8475	LU 18	7282	4646	33799	2.5	7.74	Si
-265	2X/2Y ø6/24.4	-211	-8181	LU 11	7519	3606	32758	2.5	35.65	941	-8666	LU 18	7308	4646	33826	2.5	7.77	Si
-295	2X/2Y ø6/24.4	-211	-8371	LU 11	7544	3606	32783	2.5	35.76	941	-8857	LU 18	7334	4646	33852	2.5	7.8	Si
-324	2X/2Y ø6/24.4	-211	-8562	LU 11	7568	3606	32809	2.5	35.88	941	-9047	LU 18	7359	4646	33878	2.5	7.82	Si
-353	2X/2Y ø6/24.4	-211	-8753	LU 11	7593	3606	32834	2.5	36	941	-9238	LU 18	7385	4646	33905	2.5	7.85	Si
-383	2X/2Y ø6/24.4	-211	-8943	LU 11	7618	3606	32860	2.5	36.12	941	-9429	LU 18	7410	4646	33931	2.5	7.88	Si
-412	2X/2Y ø6/24.4	-211	-9134	LU 11	7643	3606	32886	2.5	36.23	941	-9619	LU 18	7436	4646	33958	2.5	7.91	Si
-441	2X/2Y ø6/24.4	-211	-9325	LU 11	7668	3606	32911	2.5	36.35	941	-9810	LU 18	7461	4646	33984	2.5	7.93	Si
-471	2X/2Y ø6/24.4	-211	-9515	LU 11	7692	3606	32937	2.5	36.47	941	-10001	LU 18	7487	4646	34011	2.5	7.96	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-60	242077	-38991	-5585	RA 9	-24	242077	-38991	-5585	RA 9	449.7	Si
-89	221535	-34809	-5729	RA 9	-15.3	221535	-34809	-5729	RA 9	-186.8	Si
-119	200638	-30554	-5875	RA 9	-14.1	200638	-30554	-5875	RA 9	-173.1	Si
-148	179740	-26300	-6022	RA 9	-12.9	179740	-26300	-6022	RA 9	-159.3	Si
-177	158842	-22045	-6169	RA 9	-11.7	158842	-22045	-6169	RA 9	-145.6	Si
-207	137945	-17791	-6315	RA 9	-10.5	137945	-17791	-6315	RA 9	-131.9	Si
-236	117047	-13536	-6462	RA 9	-9.3	117047	-13536	-6462	RA 9	-118.1	Si
-500	-68771	27668	-7578	RA 3	-8.3	-70676	24681	-7780	RA 9	-108.1	Si
-265	96111	-9274	-6609	RA 9	-8.1	96111	-9274	-6609	RA 9	-104.3	Si
-471	-49004	23152	-7434	RA 3	-7	-50134	20499	-7635	RA 9	-92.7	Si
-295	75948	-5424	-6721	RA 8	-6.9	75948	-5424	-6721	RA 8	-91.1	Si
-324	55586	-1487	-6868	RA 8	-5.8	55586	-1487	-6868	RA 8	-77.8	Si
-441	-28893	18557	-7287	RA 3	-5.7	-28893	18557	-7287	RA 3	-77.1	Si
-353	35224	2450	-7015	RA 8	-4.9	35224	2450	-7015	RA 8	-67.9	Si
-412	-8782	13963	-7140	RA 3	-4.4	-8782	13963	-7140	RA 3	-61.6	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-60	222266	-39497	-5227	QP 2	-22.5	Si
-89	203580	-35199	-5371	QP 2	-14.3	Si
-119	184569	-30827	-5518	QP 2	-13.2	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
-148	165559	-26455	-5664	QP 2	-12	Si
-177	146548	-22083	-5811	QP 2	-10.9	Si
-207	127538	-17711	-5958	QP 2	-9.8	Si
-236	108527	-13339	-6104	QP 2	-8.7	Si
-500	-62242	25935	-7422	QP 2	-7.8	Si
-265	89482	-8959	-6251	QP 2	-7.6	Si
-471	-43556	21638	-7278	QP 2	-6.6	Si
-295	70805	-4764	-6383	QP 1	-6.5	Si
-324	52024	-529	-6530	QP 1	-5.4	Si
-441	-24546	17266	-7131	QP 2	-5.4	Si
-353	33244	3707	-6676	QP 1	-4.8	Si
-383	14463	7943	-6823	QP 1	-4.2	Si

Pilastrata 25B

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-60	R 40x50	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-14.7	-19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	14.7	-19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	14.7	19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	-14.7	19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.2	-14.7	-19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	14.7	-19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	14.7	19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	-14.7	19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 39.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 39.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -60, 39.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -60 a -46.8, 39.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-60	18.1	0.9	0	2	612857	-20868	-7624	1024632	-34889	LU 12	1.672	Si
-500	18.1	1.8	0	1,2	-631350	61931	-10343	-1138329	111662	LU 11	1.803	Si
-89	18.1	0.9	0	2	531036	-15624	-7812	1089621	-32058	LU 12	2.052	Si
-471	18.1	1.8	0	1,2	-549913	56449	-10155	-1208411	124044	LU 11	2.197	Si
-119	18.1	0.9	0	2	447795	-16005	-8003	1193868	-42671	LU 12	2.666	Si
-441	18.1	1.8	0	1,2	-467063	50871	-9965	-1309636	142642	LU 11	2.804	Si
-148	18.1	0.9	0	2	364555	-16386	-8193	1369741	-61568	LU 12	3.757	Si
-412	18.1	0.9	0	2	-384213	45294	-9774	-1458837	171978	LU 11	3.797	Si
-383	18.1	0.9	0	2	-301363	39716	-9583	-1678082	221153	LU 11	5.568	Si
-177	18.1	0.9	0	2	281314	16768	-8384	1669399	99504	LU 12	5.934	Si
-353	18.1	0.9	0	2	-218513	34139	-9393	-1929340	301426	LU 11	8.829	Si
-207	18.1	0.9	0	2	198073	17149	-8575	2018783	174784	LU 12	10.192	Si
-324	18.1	0.9	0	2	-135663	28561	-9202	-1891657	398255	LU 11	13.944	Si
-236	18.1	0.9	0	2	116573	17811	-8906	1882060	287564	LU 18	16.145	Si
-295	18.1	0.9	0	2	-51648	22951	-9147	-1120397	497868	LU 12	21.693	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-60	2X/2Y ø6/24.4	-190	-7489	LU 11	7429	3606	32664	2.5	39.07	2838	-7624	LU 12	7168	4646	33681	2.5	2.53	Si
-89	2X/2Y ø6/24.4	-190	-7677	LU 11	7453	3606	32690	2.5	39.2	2838	-7812	LU 12	7194	4646	33707	2.5	2.53	Si
-119	2X/2Y ø6/24.4	-190	-7867	LU 11	7478	3606	32715	2.5	39.33	2838	-8003	LU 12	7219	4646	33733	2.5	2.54	Si
-148	2X/2Y ø6/24.4	-190	-8058	LU 11	7503	3606	32741	2.5	39.46	2838	-8193	LU 12	7245	4646	33760	2.5	2.55	Si
-177	2X/2Y ø6/24.4	-190	-8249	LU 11	7528	3606	32767	2.5	39.59	2838	-8384	LU 12	7270	4646	33786	2.5	2.56	Si
-207	2X/2Y ø6/24.4	-190	-8439	LU 11	7552	3606	32792	2.5	39.72	2838	-8575	LU 12	7296	4646	33813	2.5	2.57	Si
-236	2X/2Y ø6/24.4	-190	-8630	LU 11	7577	3606	32818	2.5	39.85	2838	-8765	LU 12	7321	4646	33839	2.5	2.58	Si
-265	2X/2Y ø6/24.4	-190	-8821	LU 11	7602	3606	32844	2.5	39.98	2838	-8956	LU 12	7347	4646	33866	2.5	2.59	Si
-295	2X/2Y ø6/24.4	-190	-9011	LU 11	7627	3606	32869	2.5	40.11	2838	-9147	LU 12	7373	4646	33892	2.5	2.6	Si
-324	2X/2Y ø6/24.4	-190	-9202	LU 11	7652	3606	32895	2.5	40.24	2838	-9337	LU 12	7398	4646	33919	2.5	2.61	Si
-353	2X/2Y ø6/24.4	-190	-9393	LU 11	7676	3606	32921	2.5	40.37	2838	-9528	LU 12	7424	4646	33945	2.5	2.62	Si
-383	2X/2Y ø6/24.4	-190	-9583	LU 11	7701	3606	32946	2.5	40.5	2838	-9719	LU 12	7449	4646	33971	2.5	2.63	Si
-412	2X/2Y ø6/24.4	-190	-9774	LU 11	7726	3606	32972	2.5	40.63	2838	-9909	LU 12	7475	4646	33998	2.5	2.63	Si
-441	2X/2Y ø6/24.4	-190	-9965	LU 11	7751	3606	32998	2.5	40.76	2838	-10100	LU 12	7500	4646	34024	2.5	2.64	Si
-471	2X/2Y ø6/24.4	-190	-10155	LU 11	7776	3606	33023	2.5	40.89	2838	-10291	LU 12	7526	4646	34051	2.5	2.65	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-60	463754	-15615	-5812	RA 3	-38.1	463754	-15615	-5812	RA 3	1003.8	Si
-500	-477467	46483	-8007	RA 3	-43.5	-476425	46917	-7917	RA 2	984.5	Si
-89	401935	-11536	-5956	RA 3	-32.9	401935	-11536	-5956	RA 3	821.7	Si
-471	-415648	42404	-7863	RA 3	-38.2	-414862	42780	-7773	RA 2	817.6	Si
-441	-352232	38572	-7626	RA 2	-32.7	-352232	38572	-7626	RA 2	648.8	Si
-119	339044	-7387	-6103	RA 3	-27.6	339044	-7387	-6103	RA 3	637.6	Si
-412	-289601	34364	-7480	RA 2	-27.1	-289601	34364	-7480	RA 2	481.7	Si
-148	276153	-3238	-6250	RA 3	-22.2	276153	-3238	-6250	RA 3	456	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-383	-226975	29957	-7423	RA 3	-16	-226975	29957	-7423	RA 3	-197.8	Si
-177	211441	1730	-6490	RA 9	-13.1	211441	1730	-6490	RA 9	-163.7	Si
-353	-164084	25807	-7276	RA 3	-12.6	-164084	25807	-7276	RA 3	-158.4	Si
-207	150041	5580	-6637	RA 9	-10.5	150041	5580	-6637	RA 9	-132.5	Si
-324	-101193	21658	-7130	RA 3	-9.3	-101193	21658	-7130	RA 3	-119	Si
-236	88640	9431	-6783	RA 9	-7.8	88640	9431	-6783	RA 9	-101.4	Si
-295	-38302	17509	-6983	RA 3	-6	-38302	17509	-6983	RA 3	-79.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-500	-434435	43630	-7740	QP 2	-39.8	Si
-60	427976	-13759	-5545	QP 2	-35.1	Si
-471	-377792	39861	-7596	QP 2	-34.9	Si
-89	371334	-9990	-5689	QP 2	-30.3	Si
-441	-320167	36026	-7449	QP 2	-29.8	Si
-119	313709	-6155	-5836	QP 2	-25.5	Si
-412	-262542	32191	-7303	QP 2	-24.7	Si
-148	256084	-2321	-5983	QP 2	-15	Si
-383	-204917	28357	-7156	QP 2	-14.7	Si
-177	198458	1514	-6129	QP 2	-12.3	Si
-353	-147292	24522	-7009	QP 2	-11.6	Si
-207	140833	5349	-6276	QP 2	-9.8	Si
-324	-89667	20687	-6863	QP 2	-8.6	Si
-236	83208	9183	-6423	QP 2	-7.4	Si
-295	-32042	16853	-6716	QP 2	-5.5	Si

Pilastrata 25C

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-60	R 40x50	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-14.7	-19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	14.7	-19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	14.7	19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	-14.7	19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.2	-14.7	-19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	14.7	-19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	14.7	19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	-14.7	19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 39.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 39.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -60, 39.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -60 a -46.8, 39.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	1.8	0	1,2	-73041	540587	-11021	-117225	867600	LU 11	1.605	Si
-471	18.1	1.8	0	1,2	-80164	477009	-10833	-152999	910406	LU 11	1.909	Si
-60	18.1	0.9	0	2	-181490	-427407	-8167	-355153	-836383	LU 11	1.957	Si
-441	18.1	1.8	0	1,2	-87410	412329	-10643	-206347	973375	LU 11	2.361	Si
-89	18.1	0.9	0	2	-174367	-363829	-8355	-425887	-888645	LU 11	1.842	Si
-412	18.1	0.9	0	2	-94657	347650	-10452	-287594	1056258	LU 11	3.038	Si
-119	18.1	0.9	0	2	-167120	-299149	-8545	-533969	-955818	LU 11	3.195	Si
-383	18.1	0.9	0	2	-101903	282970	-10261	-414622	1151343	LU 11	4.069	Si
-148	18.1	0.9	0	2	-166426	-234002	-8913	-728562	-1024388	LU 12	4.378	Si
-353	18.1	0.9	0	2	-109149	218290	-10071	-614885	1229720	LU 11	5.633	Si
-177	18.1	0.9	0	2	-158492	-169484	-9104	-951275	-1017246	LU 12	6.002	Si
-324	18.1	0.9	0	2	-118825	153106	-10057	-899989	1159636	LU 12	7.574	Si
-207	18.1	0.9	0	2	-160341	-100855	-9533	-1344308	-845574	LU 18	8.384	Si
-295	18.1	0.9	0	2	-126758	88588	-9866	-1329385	929069	LU 12	10.488	Si
-236	18.1	0.9	0	2	-150688	-39351	-9723	-1841935	-481007	LU 18	12.224	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-60	2X/2Y ø6/24.4	-2205	-8167	LU 11	7517	3606	32756	2.5	3.41	-370	-8382	LU 17	7270	4646	33786	2.5	19.65	Si
-89	2X/2Y ø6/24.4	-2205	-8355	LU 11	7541	3606	32781	2.5	3.42	-370	-8570	LU 17	7295	4646	33812	2.5	19.72	Si
-119	2X/2Y ø6/24.4	-2205	-8545	LU 11	7566	3606	32807	2.5	3.43	-370	-8760	LU 17	7321	4646	33839	2.5	19.79	Si
-148	2X/2Y ø6/24.4	-2205	-8736	LU 11	7591	3606	32832	2.5	3.44	-370	-8951	LU 17	7346	4646	33865	2.5	19.86	Si
-177	2X/2Y ø6/24.4	-2205	-8927	LU 11	7616	3606	32858	2.5	3.45	-370	-9142	LU 17	7372	4646	33891	2.5	19.93	Si
-207	2X/2Y ø6/24.4	-2205	-9117	LU 11	7641	3606	32884	2.5	3.47	-370	-9332	LU 17	7397	4646	33918	2.5	20	Si
-236	2X/2Y ø6/24.4	-2205	-9308	LU 11	7665	3606	32909	2.5	3.48	-370	-9523	LU 17	7423	4646	33944	2.5	20.07	Si
-265	2X/2Y ø6/24.4	-2205	-9499	LU 11	7690	3606	32935	2.5	3.49	-370	-9714	LU 17	7449	4646	33971	2.5	20.13	Si
-295	2X/2Y ø6/24.4	-2205	-9689	LU 11	7715	3606	32961	2.5	3.5	-370	-9904	LU 17	7474	4646	33997	2.5	20.2	Si
-324	2X/2Y ø6/24.4	-2205	-9880	LU 11	7740	3606	32986	2.5	3.51	-370	-10095	LU 17	7500	4646	34024	2.5	20.27	Si
-353	2X/2Y ø6/24.4	-2205	-10071	LU 11	7765	3606	33012	2.5	3.52	-370	-10286	LU 17	7525	4646	34050	2.5	20.34	Si
-383	2X/2Y ø6/24.4	-2205	-10261	LU 11	7789	3606	33038	2.5	3.53	-370	-10476	LU 17	7551	4646	34077	2.5	20.41	Si
-412	2X/2Y ø6/24.4	-2205	-10452	LU 11	7814	3606	33063	2.5	3.54	-370	-10667	LU 17	7576	4646	34103	2.5	20.48	Si
-441	2X/2Y ø6/24.4	-2205	-10643	LU 11	7839	3606	33089	2.5	3.56	-370	-10858	LU 17	7602	4646	34129	2.5	20.55	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-471	2X/2Y ø6/24.4	-2205	-10833	LU 11	7864	3606	33115	2.5	3.57	-370	-11048	LU 17	7628	4646	34156	2.5	20.62	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-500	-54626	406991	-8448	RA 2	-48	-54626	406991	-8448	RA 2	1086.2	Si
-60	-146411	-321537	-6371	RA 3	-48.2	-146411	-321537	-6371	RA 3	1018.8	Si
-471	-60278	359100	-8304	RA 2	-43.5	-60278	359100	-8304	RA 2	931.3	Si
-89	-140309	-273752	-6515	RA 3	-42.3	-140309	-273752	-6515	RA 3	834	Si
-441	-66028	310378	-8157	RA 2	-38.9	-66028	310378	-8157	RA 2	774.3	Si
-119	-134101	-225139	-6662	RA 3	-36.2	-134101	-225139	-6662	RA 3	648	Si
-412	-71777	261657	-8010	RA 2	-34.2	-71777	261657	-8010	RA 2	618.5	Si
-148	-127893	-176525	-6809	RA 3	-29.9	-127893	-176525	-6809	RA 3	466.5	Si
-383	-77527	212935	-7864	RA 2	-29.3	-77527	212935	-7864	RA 2	465.1	Si
-353	-84438	163769	-7835	RA 3	-24.2	-83277	164214	-7717	RA 2	317.6	Si
-177	-129353	-123162	-7114	RA 9	-23.4	-121685	-127912	-6955	RA 3	296.5	Si
-324	-90646	115156	-7689	RA 3	-14.8	-90646	115156	-7689	RA 3	-180.1	Si
-207	-121999	-76557	-7261	RA 9	-13.7	-121999	-76557	-7261	RA 9	-168.9	Si
-295	-99936	63255	-7701	RA 9	-12.1	-99936	63255	-7701	RA 9	-150.3	Si
-236	-114645	-29953	-7408	RA 9	-10.6	-114645	-29953	-7408	RA 9	-134.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-60	-145543	-292128	-6119	QP 2	-44.9	Si
-500	-47530	366745	-8314	QP 2	-43.1	Si
-89	-139105	-248853	-6263	QP 2	-39.5	Si
-471	-53968	323471	-8170	QP 2	-39.1	Si
-441	-60517	279446	-8023	QP 2	-35.1	Si
-119	-132556	-204828	-6410	QP 2	-33.8	Si
-412	-67066	235421	-7877	QP 2	-30.9	Si
-148	-126007	-160803	-6557	QP 2	-28	Si
-383	-73615	191396	-7730	QP 2	-26.5	Si
-353	-80164	147371	-7583	QP 2	-16.2	Si
-177	-119458	-116778	-6703	QP 2	-15.9	Si
-324	-86713	103346	-7437	QP 2	-13.8	Si
-207	-112909	-72753	-6850	QP 2	-12.9	Si
-295	-93262	59321	-7290	QP 2	-11.3	Si
-236	-106360	-28728	-6997	QP 2	-9.9	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-60	-144153	-300711	-6157	FR 2	-143983	-300359	-300359	953.4	490.1	0.0185	62	0.0172	Si	Si

Pilastrata 25C

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4
Campata da -22 a 408 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -80, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -80 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 411.6, 34.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	1.8	0	1,2	374198	-108060	-25630	1696694	-489968	LU 12	4.534	Si
-470	18.1	1.8	0	1,2	341967	-105754	-25436	1672991	-517375	LU 12	4.892	Si
-440	18.1	1.8	0	1,2	309189	-103408	-25238	1633300	-546257	LU 12	5.283	Si
-410	18.1	0.9	0	2	276412	-101063	-25041	1580257	-577780	LU 12	5.717	Si
-380	18.1	0.9	0	2	243635	-98717	-24844	1499276	-607487	LU 12	6.154	Si
-350	18.1	0.9	0	2	210857	-96372	-24646	1398492	-639179	LU 12	6.632	Si
-320	18.1	0.9	0	2	178080	-94027	-24449	1270147	-670641	LU 12	7.132	Si
-290	18.1	0.9	0	2	145302	-91681	-24251	1117379	-705030	LU 12	7.69	Si
-260	18.1	0.9	0	2	112525	-89336	-24054	932872	-740625	LU 12	8.29	Si
-230	18.1	0.9	0	2	79748	-86990	-23856	706737	-770923	LU 12	8.862	Si
-80	18.1	0.9	0	2	-83593	-75302	-22872	-773926	-697164	LU 12	9.258	Si
-200	18.1	0.9	0	2	53240	-84683	-23662	493356	-784728	LU 12	9.267	Si
-170	18.1	0.9	0	2	52788	-82299	-23461	495099	-771882	LU 12	9.379	Si
-140	18.1	0.9	0	2	-52344	-79954	-23264	-496852	-758926	LU 12	9.492	Si
-110	18.1	0.9	0	2	-51900	-77608	-23067	-498617	-745608	LU 12	9.607	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-80	2X/2Y ø6/24.7	79	-22826	LU 11	9388	4082	35721	2.5	118.19	-1093	-22872	LU 12	9395	4082	35727	2.5	8.6	Si
-110	2X/2Y ø6/24.7	79	-23021	LU 11	9414	4082	35747	2.5	118.52	-1093	-23067	LU 12	9420	4082	35754	2.5	8.62	Si
-140	2X/2Y ø6/24.7	79	-23218	LU 11	9440	4082	35774	2.5	118.85	-1093	-23264	LU 12	9446	4082	35781	2.5	8.65	Si
-170	2X/2Y ø6/24.7	79	-23415	LU 11	9466	4082	35801	2.5	119.18	-1093	-23461	LU 12	9473	4082	35808	2.5	8.67	Si
-200	2X/2Y ø6/24.7	79	-23616	LU 11	9493	4082	35829	2.5	119.51	-1093	-23662	LU 12	9499	4082	35835	2.5	8.69	Si
-230	2X/2Y ø6/24.7	79	-23810	LU 11	9519	4082	35855	2.5	119.83	-1093	-23856	LU 12	9525	4082	35862	2.5	8.72	Si
-260	2X/2Y ø6/24.7	79	-24008	LU 11	9545	4082	35883	2.5	120.16	-1093	-24054	LU 12	9551	4082	35889	2.5	8.74	Si
-290	2X/2Y ø6/24.7	79	-24205	LU 11	9571	4082	35910	2.5	120.49	-1093	-24251	LU 12	9577	4082	35916	2.5	8.77	Si
-320	2X/2Y ø6/24.7	79	-24403	LU 11	9597	4082	35937	2.5	120.82	-1093	-24449	LU 12	9603	4082	35943	2.5	8.79	Si
-350	2X/2Y ø6/24.7	79	-24600	LU 11	9623	4082	35964	2.5	121.15	-1093	-24646	LU 12	9629	4082	35970	2.5	8.81	Si
-380	2X/2Y ø6/24.7	79	-24798	LU 11	9649	4082	35991	2.5	121.48	-1093	-24844	LU 12	9655	4082	35997	2.5	8.84	Si
-410	2X/2Y ø6/24.7	79	-24995	LU 11	9675	4082	36018	2.5	121.81	-1093	-25041	LU 12	9682	4082	36024	2.5	8.86	Si
-440	2X/2Y ø6/24.7	79	-25192	LU 11	9702	4082	36045	2.5	122.14	-1093	-25238	LU 12	9708	4082	36051	2.5	8.89	Si
-470	2X/2Y ø6/24.7	79	-25390	LU 11	9728	4082	36072	2.5	121.87	-1093	-25436	LU 12	9734	4082	36078	2.5	8.91	Si
-500	2X/2Y ø6/24.7	79	-25584	LU 11	9753	4082	36098	2.5	122.79	-1093	-25630	LU 12	9759	4082	36105	2.5	8.93	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-500	284126	-81487	-19329	RA 3	-31.7	284126	-81487	-19329	RA 3	-386.2	Si
-470	259556	-79804	-19179	RA 3	-26.4	259556	-79804	-19179	RA 3	-332.7	Si
-440	234569	-78093	-19027	RA 3	-25	234569	-78093	-19027	RA 3	-315.4	Si
-410	209582	-76382	-18875	RA 3	-23.5	209582	-76382	-18875	RA 3	-298.1	Si
-380	184595	-74671	-18724	RA 3	-22	184595	-74671	-18724	RA 3	-280.8	Si
-350	159609	-72960	-18572	RA 3	-20.5	159609	-72960	-18572	RA 3	-263.5	Si
-320	134622	-71249	-18420	RA 3	-19	134622	-71249	-18420	RA 3	-246.2	Si
-290	109635	-69538	-18268	RA 3	-17.5	109635	-69538	-18268	RA 3	-228.9	Si
-260	84648	-67826	-18116	RA 3	-16	84648	-67826	-18116	RA 3	-211.5	Si
-230	59662	-66115	-17964	RA 3	-14.5	59662	-66115	-17964	RA 3	-194.2	Si
-80	-64856	-57588	-17207	RA 3	-14	-64856	-57588	-17207	RA 3	-187.3	Si
-200	35078	-64432	-17815	RA 3	-13.1	35078	-64432	-17815	RA 3	-177.2	Si
-110	-40285	-59271	-17357	RA 3	-12.9	-40285	-59271	-17357	RA 3	-174.2	Si
-10	24650	132857	-7757	RA 8	-11.8	24650	132857	-7757	RA 8	-147	Si
-140	-15299	-60982	-17509	RA 3	-11.7	-15299	-60982	-17509	RA 3	-161	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-500	267109	-74006	-17559	QP 2	-25.8	Si
-470	243560	-72733	-17410	QP 2	-24.4	Si
-440	219612	-71438	-17258	QP 2	-23	Si
-410	195664	-70143	-17106	QP 2	-21.6	Si
-380	171716	-68847	-16954	QP 2	-20.2	Si
-350	147768	-67552	-16803	QP 2	-18.8	Si
-320	123819	-66257	-16651	QP 2	-17.4	Si
-290	99871	-64962	-16499	QP 2	-16	Si
-260	75923	-63667	-16347	QP 2	-14.6	Si
-80	-67367	-55918	-15438	QP 2	-13.3	Si
-230	51975	-62372	-16195	QP 2	-13.1	Si
-110	-43818	-57191	-15588	QP 2	-12.2	Si
-200	28413	-61098	-16046	QP 2	-11.8	Si
-10	22988	127804	-7709	QP 1	-11.4	Si
-140	-19870	-58487	-15739	QP 2	-11	Si

Pilastrata 25D

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4
Campata da -22 a 408 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -80, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -80 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 411.6, 34.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-80	18.1	0.9	0	2	186210	123419	8131	376547	249573	LU 12	2.022	Si
-110	18.1	0.9	0	2	166958	115072	7937	361626	249243	LU 12	2.166	Si
-140	18.1	0.9	0	2	147379	106584	7739	344045	248811	LU 12	2.334	Si
-170	18.1	0.9	0	2	127800	98095	7542	323163	248050	LU 12	2.529	Si
-200	18.1	0.9	0	2	107905	89470	7341	297982	247072	LU 12	2.762	Si
-230	18.1	0.9	0	2	88642	81118	7147	268073	245319	LU 12	3.024	Si
-260	18.1	0.9	0	2	68970	72856	6945	228270	241131	LU 11	3.31	Si
-10	18.1	1.8	0	2,3	-298270	-234157	-10607	-1048352	-823011	LU 11	3.515	Si
-290	18.1	0.9	0	2	49402	64338	6747	176963	230466	LU 11	3.582	Si
-500	18.1	1.8	0	1,2	-87242	4863	5373	-329316	18358	LU 12	3.775	Si
-320	18.1	0.9	0	2	29835	55821	6550	115811	216686	LU 11	3.882	Si
-470	18.1	1.8	0	1,2	-67989	13210	5568	-277445	53908	LU 12	4.081	Si
20	18.1	1.8	0	2,3	-256070	-212176	-10416	-1059763	-878106	LU 11	4.139	Si
-350	18.1	0.9	0	2	10267	47304	6353	43214	199102	LU 11	4.209	Si
-440	18.1	1.8	0	1,2	-48410	21699	5765	-215505	96595	LU 12	4.452	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	755	-8245	LU 11	7459	4203	33725	2.5	9.88	1451	-8274	LU 12	7463	4203	33729	2.5	5.14	Si
320	2X/2Y ø6/24	755	-8439	LU 11	7484	4203	33751	2.5	9.91	1451	-8468	LU 12	7488	4203	33755	2.5	5.16	Si
290	2X/2Y ø6/24	755	-8636	LU 11	7511	4203	33778	2.5	9.95	1451	-8665	LU 12	7514	4203	33782	2.5	5.18	Si
260	2X/2Y ø6/24	755	-8834	LU 11	7537	4203	33805	2.5	9.98	1451	-8863	LU 12	7541	4203	33809	2.5	5.2	Si
230	2X/2Y ø6/24	755	-9031	LU 11	7563	4203	33832	2.5	10.02	1451	-9060	LU 12	7567	4203	33836	2.5	5.21	Si
200	2X/2Y ø6/24	755	-9229	LU 11	7589	4203	33859	2.5	10.05	1451	-9258	LU 12	7593	4203	33863	2.5	5.23	Si
170	2X/2Y ø6/24	755	-9426	LU 11	7615	4203	33886	2.5	10.09	1451	-9455	LU 12	7619	4203	33890	2.5	5.25	Si
140	2X/2Y ø6/24	755	-9623	LU 11	7641	4203	33913	2.5	10.12	1451	-9652	LU 12	7645	4203	33917	2.5	5.27	Si
110	2X/2Y ø6/24	755	-9821	LU 11	7667	4203	33940	2.5	10.15	1451	-9850	LU 12	7671	4203	33944	2.5	5.29	Si
80	2X/2Y ø6/24	755	-10018	LU 11	7694	4203	33967	2.5	10.19	1451	-10047	LU 12	7697	4203	33971	2.5	5.3	Si
50	2X/2Y ø6/24	755	-10216	LU 11	7720	4203	33994	2.5	10.22	1451	-10245	LU 12	7723	4203	33998	2.5	5.32	Si
20	2X/2Y ø6/24	755	-10416	LU 11	7746	4203	34022	2.5	10.26	1451	-10445	LU 12	7750	4203	34026	2.5	5.34	Si
-10	2X/2Y ø6/24	755	-10607	LU 11	7771	4203	34048	2.5	10.29	1451	-10636	LU 12	7775	4203	34052	2.5	5.36	Si
-500	2X/2Y ø6/24.7	284	5369	LU 11	6368	4082	32596	2.5	21.83	653	5373	LU 12	6368	4082	32596	2.5	9.76	Si
-410	2X/2Y ø6/24.7	284	5958	LU 11	6368	4082	32596	2.5	21.83	653	5962	LU 12	6368	4082	32596	2.5	9.76	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-80	138827	91712	6176	RA 2	-21.9	138827	91712	6176	RA 2	998.7	Si
-110	124550	85515	6027	RA 2	-19.7	124550	85515	6027	RA 2	936.2	Si
-140	110030	79212	5875	RA 2	-17.5	110030	79212	5875	RA 2	872.8	Si
-170	95511	72909	5723	RA 2	-15.2	95511	72909	5723	RA 2	809.5	Si
-10	-222612	-173921	-7971	RA 2	-37.4	-222612	-173921	-7971	RA 2	587.1	Si
20	-191110	-157702	-7823	RA 2	-32.5	-191110	-157702	-7823	RA 2	475.7	Si
50	-158228	-140773	-7670	RA 2	-27.4	-158228	-140773	-7670	RA 2	363	Si
80	-125766	-124060	-7518	RA 2	-16.6	-125766	-124060	-7518	RA 2	-201.8	Si
110	-93304	-107346	-7366	RA 2	-13.9	-93304	-107346	-7366	RA 2	-170.8	Si
350	165852	26082	-6153	RA 2	-12.9	165852	26082	-6153	RA 2	-157.5	Si
140	-60870	-90481	-7233	RA 3	-11.2	-60870	-90481	-7233	RA 3	-139.8	Si
320	133931	9647	-6303	RA 2	-10.4	133931	9647	-6303	RA 2	-128.9	Si
290	101624	-7811	-6474	RA 3	-8.7	101624	-7811	-6474	RA 3	-109.2	Si
-200	80757	66504	5569	RA 2	-5.4	80757	66504	5569	RA 2	126.4	Si
170	-28371	-73947	-7081	RA 3	-8.5	-28371	-73947	-7081	RA 3	-108.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	-191552	-145711	-7113	QP 2	-31.7	Si
20	-164414	-132630	-6965	QP 2	-27.6	Si
50	-136089	-118976	-6811	QP 2	-23.3	Si
-80	119320	75644	5835	QP 2	-18.1	Si
-110	107426	70559	5685	QP 2	-16.2	Si
-140	95330	65389	5534	QP 2	-14.4	Si
80	-108124	-105496	-6659	QP 2	-14.3	Si
110	-80159	-92016	-6508	QP 2	-12	Si
350	143092	15600	-5295	QP 2	-10.8	Si
140	-52194	-78536	-6356	QP 2	-9.7	Si
320	115594	2345	-5444	QP 2	-8.7	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
290	87629	-11135	-5596	QP 2	-7.7	Si
170	-24230	-65056	-6204	QP 2	-7.5	Si
260	59664	-24615	-5748	QP 2	-7	Si
230	31700	-38095	-5900	QP 2	-6.3	Si

Pilastrata 26

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-66248	151995	-29444	-454392	1042530	LU 12	6.859	Si
20	18.1	1.8	0	1,2,3,4	-65817	141757	-29252	-462081	995233	LU 12	7.021	Si
50	18.1	1.8	0	1,2,3,4	-65367	131070	-29052	-470191	942798	LU 12	7.193	Si
80	18.1	0.9	0	2,3,4	-64923	120519	-28855	-478371	888024	LU 12	7.368	Si
110	18.1	0.9	0	2,3,4	-64479	109969	-28657	-486842	830314	LU 12	7.55	Si
140	18.1	0.9	0	2,3,4	-64034	99418	-28460	-495458	769235	LU 12	7.737	Si
170	18.1	0.9	0	2,3,4	-63590	88867	-28262	-503995	704336	LU 12	7.926	Si
200	18.1	0.9	0	2,3,4	-63147	78339	-28065	-509890	632567	LU 12	8.075	Si
230	18.1	0.9	0	2,3,4	-62702	67766	-27867	-509890	551075	LU 12	8.132	Si
260	18.1	0.9	0	2,3,4	-62257	62257	-27670	-509890	509890	LU 12	8.19	Si
290	18.1	0.9	0	2,3,4	-61813	61813	-27472	-509890	509890	LU 12	8.249	Si
320	18.1	0.9	0	2,3,4	-61369	61369	-27275	-509890	509890	LU 12	8.309	Si
350	18.1	0.9	0	2,3,4	-60932	60932	-27081	-509890	509890	LU 12	8.368	Si
420	18.1	2.3	0	2,3,4,5	64310	-25945	-12972	800889	-323103	LU 18	11.854	Si
449	18.1	2.3	0	2,3,4,5	54502	-25647	-12823	716062	-336951	LU 18	13.138	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	160	-9646	LU 11	6419	3562	26623	2.5	40.22	-375	-10002	LU 12	6465	3562	26671	2.5	17.22	Si
741	2X/2Y ø6/24.8	160	-9795	LU 11	6438	3562	26644	2.5	40.34	-375	-10151	LU 12	6484	3562	26691	2.5	17.27	Si
712	2X/2Y ø6/24.8	160	-9947	LU 11	6458	3562	26664	2.5	40.47	-375	-10302	LU 12	6504	3562	26712	2.5	17.33	Si
683	2X/2Y ø6/24.8	160	-10098	LU 11	6477	3562	26684	2.5	40.59	-375	-10454	LU 12	6524	3562	26732	2.5	17.38	Si
653	2X/2Y ø6/24.8	160	-10250	LU 11	6497	3562	26705	2.5	40.72	-375	-10606	LU 12	6543	3562	26753	2.5	17.43	Si
624	2X/2Y ø6/24.8	160	-10402	LU 11	6517	3562	26725	2.5	40.84	-375	-10757	LU 12	6563	3562	26773	2.5	17.48	Si
595	2X/2Y ø6/24.8	160	-10553	LU 11	6537	3562	26746	2.5	40.96	-375	-10909	LU 12	6583	3562	26794	2.5	17.54	Si
566	2X/2Y ø6/24.8	160	-10705	LU 11	6556	3562	26766	2.5	41.09	-375	-11061	LU 12	6603	3562	26814	2.5	17.59	Si
537	2X/2Y ø6/24.8	160	-10857	LU 11	6576	3562	26786	2.5	41.21	-375	-11212	LU 12	6622	3562	26834	2.5	17.64	Si
508	2X/2Y ø6/24.8	160	-11008	LU 11	6596	3562	26807	2.5	41.33	-375	-11364	LU 12	6642	3562	26855	2.5	17.69	Si
478	2X/2Y ø6/24.8	160	-11160	LU 11	6616	3562	26827	2.5	41.46	-375	-11516	LU 12	6662	3562	26875	2.5	17.75	Si
449	2X/2Y ø6/24.8	160	-11312	LU 11	6635	3562	26848	2.5	41.58	-375	-11667	LU 12	6682	3562	26896	2.5	17.8	Si
420	2X/2Y ø6/24.8	160	-11461	LU 11	6655	3562	26868	2.5	41.7	-375	-11816	LU 12	6701	3562	26916	2.5	17.85	Si
350	2X/2Y ø6/23.9	-370	-27070	LU 18	9950	4223	36302	2.5	26.91	-68	-26795	LU 11	9914	4223	36264	2.5	146.71	Si
320	2X/2Y ø6/23.9	-370	-27264	LU 18	9976	4223	36328	2.5	26.98	-68	-26989	LU 11	9939	4223	36291	2.5	147.09	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	-1923	114686	-22221	RA 3	-15.9	-1923	114686	-22221	RA 3	-216.4	Si
20	-3349	106912	-22073	RA 3	-15.5	-3349	106912	-22073	RA 3	-211.6	Si
50	-4837	98797	-21920	RA 3	-15.1	-4837	98797	-21920	RA 3	-206.5	Si
80	-6306	90786	-21768	RA 3	-14.7	-6306	90786	-21768	RA 3	-201.5	Si
110	-7776	82775	-21616	RA 3	-14.2	-7776	82775	-21616	RA 3	-196.5	Si
140	-9245	74763	-21464	RA 3	-13.8	-9245	74763	-21464	RA 3	-191.6	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
170	-10714	66752	-21312	RA 3	-13.4	-10714	66752	-21312	RA 3	-186.6	Si
200	-12180	58758	-21160	RA 3	-13	-12180	58758	-21160	RA 3	-181.6	Si
230	-13653	50730	-21008	RA 3	-12.6	-13653	50730	-21008	RA 3	-176.6	Si
260	-15122	42718	-20856	RA 3	-12.2	-15122	42718	-20856	RA 3	-171.6	Si
290	-16591	34707	-20705	RA 3	-11.8	-16591	34707	-20705	RA 3	-166.6	Si
320	-18060	26696	-20553	RA 3	-11.3	-18060	26696	-20553	RA 3	-161.6	Si
350	-19505	18818	-20403	RA 3	-10.9	-19505	18818	-20403	RA 3	-156.7	Si
420	52918	-26948	-8994	RA 3	-10.7	52918	-26948	-8994	RA 3	-136.8	Si
449	44955	-23713	-8879	RA 3	-9.8	44955	-23713	-8879	RA 3	-126.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	-1697	104237	-20215	QP 2	-14.5	Si
20	-2878	96965	-20068	QP 2	-14.1	Si
50	-4110	89375	-19914	QP 2	-13.7	Si
80	-5327	81882	-19762	QP 2	-13.3	Si
110	-6544	74389	-19610	QP 2	-12.9	Si
140	-7761	66896	-19458	QP 2	-12.5	Si
170	-8977	59403	-19307	QP 2	-12.1	Si
200	-10191	51926	-19155	QP 2	-11.7	Si
230	-11411	44417	-19003	QP 2	-11.3	Si
260	-12628	36924	-18851	QP 2	-10.9	Si
290	-13844	29431	-18699	QP 2	-10.4	Si
320	-15061	21938	-18547	QP 2	-10	Si
350	-16258	14569	-18398	QP 2	-9.7	Si
420	42769	-20994	-8487	QP 2	-9.2	Si
449	36278	-18455	-8372	QP 2	-8.5	Si

Pilastrata 28

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -57.2 a -34, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -22, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-241390	-95096	-42265	-1120696	-441502	LU 18	4.643	Si
20	18.1	1.8	0	1,2,3,4	-208969	-94665	-42073	-1013457	-459106	LU 18	4.85	Si
50	18.1	1.8	0	1,2,3,4	-175130	-94215	-41873	-888953	-478233	LU 18	5.076	Si
80	18.1	0.9	0	2,3,4	-141721	-93771	-41676	-752278	-497750	LU 18	5.308	Si
350	18.1	0.9	0	2,3,4	158398	89780	-39902	853069	483522	LU 18	5.386	Si
110	18.1	0.9	0	2,3,4	-108313	-93327	-41479	-591767	-509890	LU 18	5.463	Si
140	18.1	0.9	0	2,3,4	-92883	92883	-41281	-509890	509890	LU 18	5.49	Si
170	18.1	0.9	0	2,3,4	-92438	92438	-41084	-509890	509890	LU 18	5.516	Si
200	18.1	0.9	0	2,3,4	-91995	91995	-40887	-509890	509890	LU 18	5.543	Si
230	18.1	0.9	0	2,3,4	91550	91550	-40689	509890	509890	LU 18	5.57	Si
320	18.1	0.9	0	2,3,4	125546	90217	-40097	701782	504298	LU 18	5.59	Si
260	18.1	0.9	0	2,3,4	91106	91106	-40491	509890	509890	LU 18	5.597	Si
290	18.1	0.9	0	2,3,4	92138	90661	-40294	518194	509890	LU 18	5.624	Si
420	18.1	2.3	0	2,3,4,5	-177896	106679	-19679	-1040451	623932	LU 15	5.849	Si
449	18.1	2.3	0	2,3,4,5	-151661	90573	-19866	-985977	588833	LU 17	6.501	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-538	-15994	LU 10	7245	3562	27478	2.5	13.46	876	-15994	LU 10	7245	3562	27478	2.5	8.27	Si
741	2X/2Y ø6/24.8	-538	-16143	LU 10	7264	3562	27498	2.5	13.49	876	-16143	LU 10	7264	3562	27498	2.5	8.29	Si
712	2X/2Y ø6/24.8	-538	-16295	LU 10	7284	3562	27519	2.5	13.53	876	-16295	LU 10	7284	3562	27519	2.5	8.31	Si
683	2X/2Y ø6/24.8	-538	-16447	LU 10	7304	3562	27539	2.5	13.56	876	-16447	LU 10	7304	3562	27539	2.5	8.33	Si
653	2X/2Y ø6/24.8	-538	-16598	LU 10	7323	3562	27559	2.5	13.6	876	-16598	LU 10	7323	3562	27559	2.5	8.36	Si
624	2X/2Y ø6/24.8	-538	-16750	LU 10	7343	3562	27580	2.5	13.64	876	-16750	LU 10	7343	3562	27580	2.5	8.38	Si
595	2X/2Y ø6/24.8	-538	-16902	LU 10	7363	3562	27600	2.5	13.67	876	-16902	LU 10	7363	3562	27600	2.5	8.4	Si
566	2X/2Y ø6/24.8	-538	-17053	LU 10	7382	3562	27621	2.5	13.71	876	-17053	LU 10	7382	3562	27621	2.5	8.42	Si
537	2X/2Y ø6/24.8	-538	-17205	LU 10	7402	3562	27641	2.5	13.75	876	-17205	LU 10	7402	3562	27641	2.5	8.45	Si
508	2X/2Y ø6/24.8	-538	-17357	LU 10	7422	3562	27661	2.5	13.78	876	-17357	LU 10	7422	3562	27661	2.5	8.47	Si
478	2X/2Y ø6/24.8	-538	-17508	LU 10	7442	3562	27682	2.5	13.82	876	-17508	LU 10	7442	3562	27682	2.5	8.49	Si
449	2X/2Y ø6/24.8	-538	-17660	LU 10	7461	3562	27702	2.5	13.86	876	-17660	LU 10	7461	3562	27702	2.5	8.51	Si
420	2X/2Y ø6/24.8	-538	-17809	LU 10	7481	3562	27722	2.5	13.89	876	-17809	LU 10	7481	3562	27722	2.5	8.54	Si
350	2X/2Y ø6/23.9	46	-31696	LU 9	10562	4223	36935	2.5	227.98	1250	-37063	LU 15	11272	4223	37670	2.5	9.02	Si
320	2X/2Y ø6/23.9	46	-31846	LU 9	10582	4223	36955	2.5	228.41	1250	-37257	LU 15	11298	4223	37696	2.5	9.04	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	-205628	-4766	-30374	RA 8	-24.4	-187933	-4997	-32066	RA 9	-327.4	Si
420	-135909	81713	-15170	RA 8	-24.1	-135909	81713	-15170	RA 8	-298	Si
20	-177858	-4201	-30227	RA 8	-22.9	-162673	-4051	-31919	RA 9	-310.4	Si
449	-116509	69776	-15055	RA 8	-21.7	-116509	69776	-15055	RA 8	-271.7	Si
50	-136308	-3063	-31765	RA 9	-21.3	-136308	-3063	-31765	RA 9	-292.7	Si
350	123555	6671	-30249	RA 9	-20.1	123555	6671	-30249	RA 9	-277.2	Si
80	-110278	-2088	-31613	RA 9	-19.8	-110278	-2088	-31613	RA 9	-275.2	Si
770	100274	-63611	-13774	RA 8	-19.4	100274	-63611	-13774	RA 8	-243.3	Si
478	-96770	57631	-14938	RA 8	-19.3	-96770	57631	-14938	RA 8	-244.9	Si
320	97959	5712	-30398	RA 9	-18.8	97959	5712	-30398	RA 9	-261.9	Si
110	-84248	-1113	-31461	RA 9	-18.3	-84248	-1113	-31461	RA 9	-257.7	Si
290	71930	4737	-30550	RA 9	-17.4	71930	4737	-30550	RA 9	-246.4	Si
741	80874	-51674	-13888	RA 8	-17.2	80874	-51674	-13888	RA 8	-218.8	Si
508	-77032	45486	-14822	RA 8	-16.9	-77032	45486	-14822	RA 8	-218.1	Si
140	-58219	-138	-31309	RA 9	-16.7	-58219	-138	-31309	RA 9	-240.2	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	-202547	-4589	-29171	QP 1	-23.7	Si
420	-134836	82328	-13699	QP 1	-23.3	Si
20	-175201	-4448	-29024	QP 1	-22.2	Si
449	-115512	70455	-13585	QP 1	-20.9	Si
50	-141272	-4066	-29595	QP 2	-20.6	Si
350	134674	-2851	-27354	QP 1	-19.2	Si
80	-114201	-3753	-29443	QP 2	-19.1	Si
478	-95851	58375	-13468	QP 1	-18.5	Si
770	100421	-62219	-12303	QP 1	-18.5	Si
320	106963	-2994	-27503	QP 1	-17.8	Si
110	-87129	-3439	-29291	QP 2	-17.6	Si
290	75300	-1559	-28380	QP 2	-16.5	Si
741	81097	-50346	-12418	QP 1	-16.3	Si
508	-76190	46295	-13351	QP 1	-16.1	Si
140	-60058	-3126	-29140	QP 2	-16.1	Si

Pilastrata 29

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 14.8, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 14.8 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometriche

L'appoggio -22 ha ampiezza nulla.

Anomalie quantitativo di acciaio

Sezione a quota -16 in Campata da -22 a 408, percentuale acciaio = 0.087% < 0.3%.
Sezione a quota -10 in Campata da -22 a 408, percentuale acciaio = 0.174% < 0.3%.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-22	0	0.9	0		-55329	-55329	-24591	-428591	-428591	LU 12	7.746	Si
-17	1.47	0.9	0	1	-55248	-55248	-24555	-435192	-435192	LU 12	7.877	Si
14	17.38	1.8	0	1,2,3,4	-54803	-54803	-24357	-506695	-506695	LU 12	9.246	Si
44	18.1	1.8	0	1,2,3,4	54350	-54350	-24155	509890	-509890	LU 12	9.382	Si
75	18.1	0.9	0	2,3,4	53892	53892	-23952	509890	509890	LU 12	9.461	Si
105	18.1	0.9	0	2,3,4	53444	53444	-23753	509890	509890	LU 12	9.541	Si
136	18.1	0.9	0	2,3,4	52991	52991	-23552	509890	509890	LU 12	9.622	Si
167	18.1	0.9	0	2,3,4	52538	52538	-23350	509890	509890	LU 12	9.705	Si
197	18.1	0.9	0	2,3,4	52085	52085	-23149	509890	509890	LU 12	9.79	Si
228	18.1	0.9	0	2,3,4	51632	51632	-22948	509890	509890	LU 12	9.875	Si
258	18.1	0.9	0	2,3,4	51180	51180	-22746	509890	509890	LU 12	9.963	Si
289	18.1	0.9	0	2,3,4	50727	50727	-22545	509890	509890	LU 12	10.052	Si
319	18.1	0.9	0	2,3,4	50274	50274	-22344	509890	509890	LU 12	10.142	Si
350	18.1	0.9	0	2,3,4	49828	49828	-22146	509890	509890	LU 12	10.233	Si
420	18.1	2.3	0	2,3,4,5	27606	-92835	-9883	345629	-1162292	LU 18	12.52	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	548	-8068	LU 18	6213	3562	26411	2.5	11.33	-68	-7230	LU 13	6104	3562	26298	2.5	89.78	Si
741	2X/2Y ø6/24.8	548	-8217	LU 18	6233	3562	26431	2.5	11.37	-68	-7379	LU 13	6124	3562	26318	2.5	90.06	Si
712	2X/2Y ø6/24.8	548	-8369	LU 18	6252	3562	26452	2.5	11.4	-68	-7530	LU 13	6143	3562	26339	2.5	90.35	Si
683	2X/2Y ø6/24.8	548	-8520	LU 18	6272	3562	26472	2.5	11.44	-68	-7682	LU 13	6163	3562	26359	2.5	90.64	Si
653	2X/2Y ø6/24.8	548	-8672	LU 18	6292	3562	26492	2.5	11.48	-68	-7834	LU 13	6183	3562	26380	2.5	90.93	Si
624	2X/2Y ø6/24.8	548	-8824	LU 18	6312	3562	26513	2.5	11.51	-68	-7985	LU 13	6202	3562	26400	2.5	91.22	Si
595	2X/2Y ø6/24.8	548	-8975	LU 18	6331	3562	26533	2.5	11.55	-68	-8137	LU 13	6222	3562	26420	2.5	91.51	Si
566	2X/2Y ø6/24.8	548	-9127	LU 18	6351	3562	26554	2.5	11.58	-68	-8289	LU 13	6242	3562	26441	2.5	91.8	Si
537	2X/2Y ø6/24.8	548	-9279	LU 18	6371	3562	26574	2.5	11.62	-68	-8440	LU 13	6262	3562	26461	2.5	92.09	Si
508	2X/2Y ø6/24.8	548	-9430	LU 18	6391	3562	26594	2.5	11.66	-68	-8592	LU 13	6281	3562	26482	2.5	92.38	Si
478	2X/2Y ø6/24.8	548	-9582	LU 18	6410	3562	26615	2.5	11.69	-68	-8744	LU 13	6301	3562	26502	2.5	92.67	Si
449	2X/2Y ø6/24.8	548	-9734	LU 18	6430	3562	26635	2.5	11.73	-68	-8895	LU 13	6321	3562	26522	2.5	92.96	Si
420	2X/2Y ø6/24.8	548	-9883	LU 18	6449	3562	26655	2.5	11.76	-68	-9044	LU 13	6340	3562	26543	2.5	93.25	Si
350	2X/2Y ø6/23.9	43	-22043	LU 18	9285	4223	35614	2.5	215.52	140	-20589	LU 17	9092	4223	35414	2.5	64.85	Si
319	2X/2Y ø6/23.9	43	-22241	LU 18	9311	4223	35641	2.5	216.13	140	-20787	LU 17	9119	4223	35442	2.5	65.03	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	21111	-69086	-7510	RA 9	-10.6	21111	-69086	-7510	RA 9	-133.3	Si
-22	-5886	-2860	-18695	RA 3	-9.8	0	0	0		0	Si
-17	-5314	-2697	-18667	RA 3	-9.6	-5314	-2697	-18667	RA 3	-142.7	Si
449	19624	-57485	-7395	RA 9	-9.6	19624	-57485	-7395	RA 9	-121.8	Si
350	34147	8773	-16746	RA 9	-9.6	34147	8773	-16746	RA 9	-135.6	Si
319	30903	7808	-16898	RA 9	-9.4	30903	7808	-16898	RA 9	-134	Si
289	27606	6827	-17053	RA 9	-9.3	27606	6827	-17053	RA 9	-131.8	Si
258	24309	5847	-17208	RA 9	-9.1	24309	5847	-17208	RA 9	-130.8	Si
228	21013	4866	-17362	RA 9	-8.9	21013	4866	-17362	RA 9	-129.2	Si
770	3008	72157	-6114	RA 9	-8.8	3008	72157	-6114	RA 9	-109.9	Si
197	17714	3885	-17517	RA 9	-8.8	17714	3885	-17517	RA 9	-127.6	Si
167	14417	2905	-17672	RA 9	-8.6	14417	2905	-17672	RA 9	-126	Si
478	18111	-45681	-7279	RA 9	-8.6	18111	-45681	-7279	RA 9	-110.1	Si
136	11120	1924	-17827	RA 9	-8.5	10546	1827	-17895	RA 3	-124.5	Si
14	-2183	-1804	-18515	RA 3	-8.3	-2183	-1804	-18515	RA 3	-124	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-22	-5629	-2815	-17673	QP 2	-9.3	Si
420	20200	-55014	-6998	QP 2	-9.3	Si
-17	-5068	-2672	-17645	QP 2	-9.1	Si
350	32264	6792	-15792	QP 2	-9	Si
319	29196	6014	-15944	QP 2	-8.8	Si
289	26076	5223	-16099	QP 2	-8.7	Si
258	22957	4433	-16254	QP 2	-8.5	Si
449	18777	-46416	-6883	QP 2	-8.5	Si
228	19838	3642	-16409	QP 2	-8.4	Si
197	16718	2851	-16564	QP 2	-8.3	Si
167	13598	2060	-16718	QP 2	-8.1	Si
136	10479	1269	-16873	QP 2	-8	Si
14	-1999	-1894	-17493	QP 2	-7.9	Si
105	7359	478	-17028	QP 2	-7.8	Si
75	4275	-304	-17181	QP 2	-7.7	Si

Pilastrata 29A

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-60	R 30x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	370	R 30x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.7	-14.7	1.8	2.540	-542	-500	R 30x40	FeB 32k liscio LC1
p.1	9.7	-14.7	1.8	2.540	-542	-500	R 30x40	FeB 32k liscio LC1
p.1	9.7	14.7	1.8	2.540	-542	-500	R 30x40	FeB 32k liscio LC1
p.1	-9.7	14.7	1.8	2.540	-542	-500	R 30x40	FeB 32k liscio LC1
p.2	-9.7	-14.7	1.8	2.540	-500	-10	R 30x40	FeB 32k liscio LC1
p.2	9.7	-14.7	1.8	2.540	-500	-10	R 30x40	FeB 32k liscio LC1
p.2	9.7	14.7	1.8	2.540	-500	-10	R 30x40	FeB 32k liscio LC1
p.2	-9.7	14.7	1.8	2.540	-500	-10	R 30x40	FeB 32k liscio LC1
p.3	-9.7	-14.7	1.8	2.540	-10	370	R 30x40	FeB 32k liscio LC1
p.3	9.7	-14.7	1.8	2.540	-10	370	R 30x40	FeB 32k liscio LC1
p.3	9.7	14.7	1.8	2.540	-10	370	R 30x40	FeB 32k liscio LC1
p.3	-9.7	14.7	1.8	2.540	-10	370	R 30x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4
Campata da -22 a 408 ricoprimento 3.5 < 4

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	3	0	2,3	-240186	289184	-10706	-443524	534004	LU 11	1.847	Si
-500	18.1	3	0	1,2	-315288	281938	-28299	-609908	545394	LU 11	1.934	Si
370	18.1	1.5	0	3	228025	-265790	-9228	447773	-521934	LU 11	1.964	Si
-471	18.1	3	0	1,2	-278527	247886	-28186	-619054	550950	LU 11	2.223	Si
19	18.1	3	0	2,3	-204220	246554	-10592	-457690	552567	LU 11	2.241	Si
-60	18.1	1.5	0	2	244414	-236524	-26587	590735	-571666	LU 11	1.817	Si
341	18.1	1.5	0	3	192531	-223720	-9340	466601	-542186	LU 11	1.824	Si
-441	18.1	3	0	1,2	-241129	213243	-28072	-627412	554853	LU 11	2.602	Si
48	18.1	3	0	2,3	-168581	204311	-10480	-466596	565488	LU 11	2.768	Si
-89	18.1	1.5	0	2	207653	-202472	-26699	592784	-577994	LU 11	2.855	Si
312	18.1	1.5	0	3	156420	-180917	-9454	481031	-556364	LU 11	3.075	Si
-412	18.1	1.5	0	2	-203789	178421	-28153	-628134	549942	LU 12	3.082	Si
-119	18.1	1.5	0	2	170254	-167829	-26814	581040	-572763	LU 11	3.413	Si
-383	18.1	1.5	0	2	-166441	143858	-28038	-601371	519776	LU 12	3.613	Si
78	18.1	1.5	0	3	-132470	161508	-10366	-479938	585142	LU 11	3.623	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
370	2X/2Y ø6/23.8	-1464	-9228	LU 11	5264	2642	19206	2.5	3.6	1235	-9228	LU 11	5073	3712	20236	2.5	4.11	Si
341	2X/2Y ø6/23.8	-1464	-9340	LU 11	5278	2642	19220	2.5	3.6	1235	-9340	LU 11	5088	3712	20251	2.5	4.12	Si
312	2X/2Y ø6/23.8	-1464	-9454	LU 11	5292	2642	19235	2.5	3.61	1235	-9454	LU 11	5103	3712	20266	2.5	4.13	Si
282	2X/2Y ø6/23.8	-1464	-9568	LU 11	5306	2642	19249	2.5	3.62	1235	-9568	LU 11	5118	3712	20282	2.5	4.14	Si
253	2X/2Y ø6/23.8	-1464	-9682	LU 11	5321	2642	19264	2.5	3.63	1235	-9682	LU 11	5132	3712	20297	2.5	4.15	Si
224	2X/2Y ø6/23.8	-1464	-9796	LU 11	5335	2642	19278	2.5	3.64	1235	-9796	LU 11	5147	3712	20312	2.5	4.17	Si
195	2X/2Y ø6/23.8	-1464	-9910	LU 11	5349	2642	19293	2.5	3.65	1235	-9910	LU 11	5162	3712	20328	2.5	4.18	Si
165	2X/2Y ø6/23.8	-1464	-10024	LU 11	5363	2642	19307	2.5	3.66	1235	-10024	LU 11	5177	3712	20343	2.5	4.19	Si
136	2X/2Y ø6/23.8	-1464	-10138	LU 11	5377	2642	19322	2.5	3.67	1235	-10138	LU 11	5192	3712	20358	2.5	4.2	Si
107	2X/2Y ø6/23.8	-1464	-10252	LU 11	5391	2642	19336	2.5	3.68	1235	-10252	LU 11	5207	3712	20374	2.5	4.21	Si
78	2X/2Y ø6/23.8	-1464	-10366	LU 11	5405	2642	19351	2.5	3.69	1235	-10366	LU 11	5221	3712	20389	2.5	4.23	Si
48	2X/2Y ø6/23.8	-1464	-10480	LU 11	5419	2642	19366	2.5	3.7	1235	-10480	LU 11	5236	3712	20404	2.5	4.24	Si
19	2X/2Y ø6/23.8	-1464	-10592	LU 11	5433	2642	19380	2.5	3.71	1235	-10592	LU 11	5251	3712	20420	2.5	4.25	Si
-10	2X/2Y ø6/23.8	-1464	-10706	LU 11	5447	2642	19394	2.5	3.72	1235	-10706	LU 11	5266	3712	20435	2.5	4.26	Si
-60	2X/2Y ø6/24.4	-1181	-26587	LU 11	7408	2567	21423	2.5	6.27	1275	-26587	LU 11	7332	3606	22573	2.5	5.75	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-500	-237609	213813	-21429	RA 2	-78.2	-237609	213813	-21429	RA 2	-840	Si
-10	-179528	218347	-8088	RA 2	-74.4	-179528	218347	-8088	RA 2	1096	Si
370	170387	-201537	-6951	RA 2	-69.5	170387	-201537	-6951	RA 2	1051	Si
-471	-209933	188026	-21342	RA 2	-68.4	-209905	187800	-21472	RA 3	-750.4	Si
19	-152649	186094	-8000	RA 2	-63.1	-152649	186094	-8000	RA 2	874.5	Si
-60	183773	-178798	-20112	RA 2	-62.8	183773	-178798	-20112	RA 2	-690	Si
-441	-181777	161793	-21254	RA 2	-58.8	-181782	161620	-21384	RA 3	-660.7	Si
341	143861	-169707	-7037	RA 2	-58.3	143861	-169707	-7037	RA 2	822.5	Si
-89	156097	-153011	-20198	RA 2	-53.5	156097	-153011	-20198	RA 2	-603	Si
48	-126014	154133	-7914	RA 2	-51.8	-126014	154133	-7914	RA 2	657.2	Si
-412	-153660	135440	-21296	RA 3	-49.8	-153660	135440	-21296	RA 3	-574.2	Si
312	116874	-137323	-7124	RA 2	-46.9	116874	-137323	-7124	RA 2	592.9	Si
-119	127941	-126778	-20286	RA 2	-44.6	127941	-126778	-20286	RA 2	-518.7	Si
-383	-125538	109260	-21208	RA 3	-41.5	-125538	109260	-21208	RA 3	-493.2	Si
78	-99027	121749	-7826	RA 2	-40.4	-99027	121749	-7826	RA 2	441.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-500	-215222	199879	-19885	QP 2	-72.1	Si
-10	-155729	199680	-7416	QP 2	-66.7	Si
-471	-190282	175947	-19798	QP 2	-63.2	Si
370	147561	-188265	-6279	QP 2	-63.2	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
-60	164493	-164493	-18568	QP 2	-57.1	Si
19	-132432	169880	-7329	QP 2	-56.5	Si
-441	-164910	151600	-19710	QP 2	-54.4	Si
341	124569	-158856	-6365	QP 2	-53.1	Si
-89	139554	-140562	-18654	QP 2	-48.6	Si
48	-109346	140350	-7242	QP 2	-46.3	Si
-412	-139538	127253	-19622	QP 2	-46.1	Si
312	101178	-128935	-6453	QP 2	-42.7	Si
-119	114182	-116215	-18742	QP 2	-40.6	Si
-383	-114166	102907	-19534	QP 2	-37.1	Si
78	-85955	110430	-7154	QP 2	-36	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
370	154083	-192057	-6471	FR 2	100794	-125635	-125635	989.4	375.5	0.0241	52.98	0.0153	Si	Si
341	130081	-161956	-6557	FR 2	103511	-128876	-128876	775.6	368.1	0.0246	52.38	0.0118	Si	Si
-10	-162529	205013	-7608	FR 2	-101394	127899	127899	1013.5	200.1	0.0452	37.15	0.011	Si	Si
19	-138208	174512	-7521	FR 2	-103717	130960	130960	807.1	190.3	0.0475	37.58	0.0088	Si	Si
-500	-221618	203860	-20326	FR 2	-152486	140267	140267	573.8	107.6	0.042	39.91	0.0067	Si	Si
48	-114109	144288	-7434	FR 2	-107181	135529	135529	604.7	176.5	0.0513	35.24	0.0062	Si	Si
-471	-195897	179398	-20239	FR 2	-161642	148028	148028	427.8	93.5	0.0484	38.67	0.0048	Si	Si
-60	170002	-168580	-19009	FR 2	157078	-155764	-155764	371.2	91.1	0.0497	36.76	0.004	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
370	147561	-188265	-6279	QP 2	99275	-126660	-126660	964.8	372.3	0.0243	52.61	0.0148	Si	Si
341	124569	-158856	-6365	QP 2	101904	-129952	-129952	757	365	0.0248	52	0.0115	Si	Si
-10	-155729	199680	-7416	QP 2	-100427	128770	128770	980.6	201.2	0.045	37.19	0.0106	Si	Si
19	-132432	169880	-7329	QP 2	-102785	131849	131849	780.2	191.2	0.0473	37.6	0.0085	Si	Si
-500	-215222	199879	-19885	QP 2	-151783	140962	140962	559.3	107.6	0.042	39.89	0.0065	Si	Si
48	-109346	140350	-7242	QP 2	-106307	136449	136449	583.8	177.1	0.0511	35.24	0.006	Si	Si
-471	-190282	175947	-19798	QP 2	-160887	148766	148766	417	93.5	0.0484	38.65	0.0047	Si	Si
-60	164493	-164493	-18568	QP 2	156682	-156683	-156683	358.6	90.7	0.0499	36.67	0.0038	Si	Si

Pilastrata 29B

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-60	R 30x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	350	R 30x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.7	-14.7	1.8	2.540	-545	-500	R 30x40	FeB 32k liscio LC1
p.1	9.7	-14.7	1.8	2.540	-545	-500	R 30x40	FeB 32k liscio LC1
p.1	9.7	14.7	1.8	2.540	-545	-500	R 30x40	FeB 32k liscio LC1
p.1	-9.7	14.7	1.8	2.540	-545	-500	R 30x40	FeB 32k liscio LC1
p.2	-9.7	-14.7	1.8	2.540	-500	-10	R 30x40	FeB 32k liscio LC1
p.2	9.7	-14.7	1.8	2.540	-500	-10	R 30x40	FeB 32k liscio LC1
p.2	9.7	14.7	1.8	2.540	-500	-10	R 30x40	FeB 32k liscio LC1
p.2	-9.7	14.7	1.8	2.540	-500	-10	R 30x40	FeB 32k liscio LC1
p.3	-9.7	-14.7	1.8	2.540	-10	350	R 30x40	FeB 32k liscio LC1
p.3	9.7	-14.7	1.8	2.540	-10	350	R 30x40	FeB 32k liscio LC1
p.3	9.7	14.7	1.8	2.540	-10	350	R 30x40	FeB 32k liscio LC1
p.3	-9.7	14.7	1.8	2.540	-10	350	R 30x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4
Campata da -22 a 408 ricoprimento 3.5 < 4

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-471	18.1	3	0	1,2	157929	-247109	-78965	265940	-416112	LU 12	1.684	Si
-500	18.1	3	0	1,2	-158160	230455	-79080	-270671	394396	LU 12	1.711	Si
-441	18.1	3	0	1,2	144269	-144269	-72135	290565	-290565	LU 12	2.014	Si
-412	18.1	1.5	0	2	-132311	-132311	-66155	-290565	-290565	LU 12	2.196	Si
-383	18.1	1.5	0	2	-121698	121698	-60849	-290565	290565	LU 12	2.388	Si
-353	18.1	1.5	0	2	-112072	144080	-56036	-278274	357752	LU 12	1.883	Si
-324	18.1	1.5	0	2	111842	-143695	-55921	278310	-357574	LU 12	1.888	Si
-295	18.1	1.5	0	2	103006	-103006	-51503	290565	-290565	LU 12	2.821	Si
-265	18.1	1.5	0	2	-94691	94691	-47345	-290565	290565	LU 12	3.069	Si
-207	18.1	1.5	0	2	-79094	141723	-39547	-256187	459044	LU 12	3.239	Si
-236	18.1	1.5	0	2	-86717	86717	-43359	-290565	290565	LU 12	3.351	Si
-60	18.1	1.5	0	2	209001	-115526	-29154	734999	-406273	LU 12	3.517	Si
-177	18.1	1.5	0	2	78864	-81791	-39432	288982	-299704	LU 12	3.664	Si
-148	18.1	1.5	0	2	71688	-71688	-35844	290565	-290565	LU 12	4.053	Si
-89	18.1	1.5	0	2	105758	97794	-29265	452642	418556	LU 12	4.28	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-500	2X/2Y ø6/24.4	-16136	-79080	LU 12	7610	2567	19809	2.5	0.47	6726	-79080	LU 12	7545	3606	20872	2.5	1.12	No

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-471	2X/2Y ø6/24.4	-16136	-78967	LU 12	7610	2567	19845	2.5	0.47	6726	-78967	LU 12	7545	3606	20909	2.5	1.12	No
-441	2X/2Y ø6/24.4	-13596	-72135	LU 12	7610	2567	22027	2.5	0.56	5482	-72135	LU 12	7545	3606	23209	2.5	1.38	No
-412	2X/2Y ø6/24.4	-12019	-66155	LU 12	7610	2567	22533	2.5	0.63	4871	-66155	LU 12	7545	3606	23742	2.5	1.55	No
-383	2X/2Y ø6/24.4	-10776	-60849	LU 12	7610	2567	22533	2.5	0.71	4456	-60849	LU 12	7545	3606	23742	2.5	1.69	No
-353	2X/2Y ø6/24.4	-9795	-55881	LU 11	7610	2567	22533	2.5	0.78	4112	-56036	LU 12	7545	3606	23742	2.5	1.83	No
-324	2X/2Y ø6/24.4	-9795	-55766	LU 11	7610	2567	22533	2.5	0.78	4112	-55921	LU 12	7545	3606	23742	2.5	1.83	No
-295	2X/2Y ø6/24.4	-9044	-51349	LU 11	7610	2567	22533	2.5	0.84	3780	-51503	LU 12	7545	3606	23742	2.5	2	No
-265	2X/2Y ø6/24.4	-8478	-47191	LU 11	7610	2567	22533	2.5	0.9	3460	-47345	LU 12	7545	3606	23742	2.5	2.18	No
-236	2X/2Y ø6/24.4	-8025	-43203	LU 11	7610	2567	22533	2.5	0.95	3143	-43359	LU 12	7545	3606	23742	2.5	1.8	No
-60	2X/2Y ø6/24.4	-7264	-23155	LU 10	6985	2567	20985	2.5	0.96	3359	-23155	LU 10	6886	3606	22111	2.5	2.05	No
-89	2X/2Y ø6/24.4	-7264	-23266	LU 10	6998	2567	20999	2.5	0.96	3359	-23266	LU 10	6900	3606	22126	2.5	2.05	No
-177	2X/2Y ø6/24.4	-7626	-39273	LU 11	7610	2567	22533	2.5	1	2852	-39432	LU 12	7545	3606	23742	2.5	2.65	No
-207	2X/2Y ø6/24.4	-7626	-39388	LU 11	7610	2567	22533	2.5	1	2852	-39547	LU 12	7545	3606	23742	2.5	2.65	No
-148	2X/2Y ø6/24.4	-7328	-35680	LU 11	7610	2567	22533	2.5	1.04	2727	-35680	LU 11	7545	3606	23742	2.5	2.77	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-471	84550	-187921	-59827	RA 3	-72.8	84550	-187921	-59827	RA 3	-931.8	Si
-500	-66276	175198	-59915	RA 3	-69.5	-66276	175198	-59915	RA 3	-898.2	Si
-441	34001	-91410	-54629	RA 3	-52.1	34001	-91410	-54629	RA 3	-706.3	Si
-353	-54785	109809	-42372	RA 3	-48.1	-54785	109809	-42372	RA 3	-625.5	Si
-324	36885	-109745	-42283	RA 3	-46.4	36885	-109745	-42283	RA 3	-606.4	Si
-60	157470	-88917	-21811	RA 3	-42.1	157470	-88917	-21811	RA 3	-505.2	Si
-383	-30782	51897	-46040	RA 3	-40.8	-30782	51897	-46040	RA 3	-565.7	Si
-207	-25284	108484	-29780	RA 3	-36.6	-25284	108484	-29780	RA 3	-465.7	Si
-412	-738	-17529	-50078	RA 3	-36.4	-738	-17529	-50078	RA 3	-533.3	Si
350	-46681	-127188	-8962	RA 2	-33.7	-46681	-127188	-8962	RA 2	-341.5	Si
-295	12050	-42372	-38914	RA 3	-33	12050	-42372	-38914	RA 3	-462.2	Si
-236	-19226	64662	-32695	RA 3	-31.8	-19226	64662	-32695	RA 3	-434.1	Si
-177	38486	-62754	-29692	RA 3	-31.8	38486	-62754	-29692	RA 3	-420.5	Si
-89	78800	74577	-21896	RA 3	-31.8	78800	74577	-21896	RA 3	-396.6	Si
320	-47360	-109287	-9051	RA 2	-29.8	-47360	-109287	-9051	RA 2	-312.9	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-471	87448	-177978	-55625	QP 2	-68.9	Si
-500	-52821	165715	-55713	QP 2	-64.2	Si
-441	37775	-86740	-50691	QP 2	-49.2	Si
-353	-49296	105166	-39007	QP 2	-44.7	Si
-324	36453	-106160	-38918	QP 2	-43.6	Si
-60	142320	-89211	-18975	QP 2	-39.3	Si
-383	-25539	49306	-42517	QP 2	-37.6	Si
-207	-26785	106116	-26835	QP 2	-34.5	Si
-412	3764	-16907	-46366	QP 2	-34.1	Si
-295	12071	-41432	-35679	QP 2	-30.7	Si
350	-45252	-114121	-7904	QP 2	-30.7	Si
-236	-19799	62907	-29669	QP 2	-30.1	Si
-177	33848	-62056	-26747	QP 2	-29.3	Si
-89	67040	71650	-19061	QP 2	-28.4	Si
320	-45239	-97985	-7993	QP 2	-27.1	Si

Pilastrata 32

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-421834	485827	-43025	-1053705	1213554	LU 12	1.898	Si
20	18.1	1.8	0	1,2,3,4	-374461	427104	-42833	-1064586	1214248	LU 12	2.843	Si
50	18.1	1.8	0	1,2,3,4	-325015	365811	-42633	-1064586	1198211	LU 12	3.275	Si
80	18.1	0.9	0	2,3,4	-276199	305298	-42436	-1034601	1143602	LU 12	3.746	Si
110	18.1	0.9	0	2,3,4	-227383	244786	-42238	-958571	1031935	LU 12	4.216	Si
350	18.1	0.9	0	2,3,4	162332	-238304	-40662	744649	-1093147	LU 12	4.587	Si
140	18.1	0.9	0	2,3,4	-178567	184274	-42041	-840976	867853	LU 12	4.71	Si
320	18.1	0.9	0	2,3,4	114330	-178800	-40856	581775	-909838	LU 12	5.089	Si
170	18.1	0.9	0	2,3,4	-129751	123761	-41843	-679956	648568	LU 12	5.24	Si
770	18.1	1.1	0	5	-113443	-143169	-4479	-614245	-775195	LU 11	5.415	Si
200	18.1	0.9	0	2,3,4	-93704	93704	-41646	-509890	509890	LU 12	5.441	Si
230	18.1	0.9	0	2,3,4	-93259	93259	-41448	-509890	509890	LU 12	5.467	Si
260	18.1	0.9	0	2,3,4	92815	-92815	-41251	509890	-509890	LU 12	5.494	Si
290	18.1	0.9	0	2,3,4	92370	-118288	-41053	509890	-652958	LU 12	5.52	Si
420	18.1	2.3	0	2,3,4,5	85906	162802	-9489	552232	1046546	LU 17	6.428	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-2017	-39988	LU 18	11659	4203	38070	2.5	5.78	1627	-40662	LU 12	11749	4203	38162	2.5	7.22	Si
320	2X/2Y ø6/24	-2017	-40182	LU 18	11685	4203	38097	2.5	5.79	1627	-40856	LU 12	11774	4203	38189	2.5	7.24	Si
290	2X/2Y ø6/24	-2017	-40379	LU 18	11711	4203	38124	2.5	5.81	1627	-41053	LU 12	11801	4203	38216	2.5	7.25	Si
260	2X/2Y ø6/24	-2017	-40577	LU 18	11737	4203	38151	2.5	5.82	1627	-41251	LU 12	11827	4203	38243	2.5	7.27	Si
230	2X/2Y ø6/24	-2017	-40774	LU 18	11764	4203	38178	2.5	5.83	1627	-41448	LU 12	11853	4203	38270	2.5	7.28	Si
200	2X/2Y ø6/24	-2017	-40972	LU 18	11790	4203	38205	2.5	5.84	1627	-41646	LU 12	11879	4203	38297	2.5	7.3	Si
170	2X/2Y ø6/24	-2017	-41169	LU 18	11816	4203	38232	2.5	5.86	1627	-41843	LU 12	11905	4203	38324	2.5	7.32	Si
140	2X/2Y ø6/24	-2017	-41367	LU 18	11842	4203	38259	2.5	5.87	1627	-42041	LU 12	11931	4203	38351	2.5	7.33	Si
110	2X/2Y ø6/24	-2017	-41564	LU 18	11868	4203	38286	2.5	5.88	1627	-42238	LU 12	11957	4203	38378	2.5	7.35	Si
80	2X/2Y ø6/24	-2017	-41761	LU 18	11894	4203	38313	2.5	5.9	1627	-42436	LU 12	11983	4203	38405	2.5	7.36	Si
50	2X/2Y ø6/24	-2017	-41959	LU 18	11920	4203	38340	2.5	5.91	1627	-42633	LU 12	12010	4203	38432	2.5	7.38	Si
20	2X/2Y ø6/24	-2017	-42159	LU 18	11947	4203	38367	2.5	5.92	1627	-42833	LU 12	12036	4203	38460	2.5	7.4	Si
-10	2X/2Y ø6/24	-2017	-42350	LU 18	11972	4203	38394	2.5	5.94	1627	-43025	LU 12	12061	4203	38486	2.5	7.41	Si
770	2X/2Y ø6/25	-885	-6645	LU 18	6028	3526	26220	2.5	6.81	-563	-5950	LU 10	5938	3526	26126	2.5	10.54	Si
741	2X/2Y ø6/25	-885	-6794	LU 18	6047	3526	26240	2.5	6.83	-563	-6099	LU 10	5957	3526	26146	2.5	10.58	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	-317500	365554	-32375	RA 3	-58	-317500	365554	-32375	RA 3	-703.6	Si
20	-282012	321206	-32227	RA 3	-51	-282012	321206	-32227	RA 3	-628.2	Si
50	-244971	274917	-32073	RA 3	-44.3	-244971	274917	-32073	RA 3	-554.4	Si
80	-208401	229217	-31922	RA 3	-37.2	-208401	229217	-31922	RA 3	-476	Si
110	-171832	183518	-31770	RA 3	-32.8	-171832	183518	-31770	RA 3	-424.8	Si
350	120114	-181314	-30557	RA 3	-29.4	120114	-181314	-30557	RA 3	-383.9	Si
140	-135262	137819	-31618	RA 3	-28.3	-135262	137819	-31618	RA 3	-373.5	Si
770	-88028	-110180	-3889	RA 3	-25	-87107	-109376	-3597	RA 2	392.9	Si
320	84155	-136377	-30707	RA 3	-25.1	84155	-136377	-30707	RA 3	-335.4	Si
170	-98693	92120	-31466	RA 3	-23.9	-98693	92120	-31466	RA 3	-322.2	Si
290	47585	-90677	-30858	RA 3	-20.8	47585	-90677	-30858	RA 3	-286.1	Si
200	-62202	46519	-31314	RA 3	-19.4	-62202	46519	-31314	RA 3	-271	Si
420	65950	124001	-7122	RA 8	-17.8	65950	124001	-7122	RA 8	-211.1	Si
260	11016	-44978	-31010	RA 3	-16.5	11016	-44978	-31010	RA 3	-236.8	Si
449	53264	104865	-7008	RA 8	-15.4	53264	104865	-7008	RA 8	-184.4	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	-284924	327535	-29014	QP 2	-52	Si
20	-253870	287060	-28867	QP 2	-45.8	Si
50	-221456	244814	-28713	QP 2	-39.7	Si
80	-189456	203106	-28561	QP 2	-33.4	Si
110	-157455	161398	-28409	QP 2	-29.4	Si
350	98016	-171571	-27197	QP 2	-26.2	Si
140	-125455	119690	-28257	QP 2	-25.4	Si
770	-86393	-105946	-4283	QP 2	-24.1	Si
320	66548	-130558	-27346	QP 2	-21.8	Si
170	-93454	77982	-28105	QP 2	-21.4	Si
290	34548	-88850	-27498	QP 2	-18.6	Si
200	-61523	36363	-27954	QP 2	-17.4	Si
420	65097	115995	-5973	QP 1	-16.5	Si
260	2547	-47142	-27650	QP 2	-14.7	Si
741	-73668	-86366	-4692	QP 1	-14.3	Si

Pilastrata 33

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-318360	177969	-34229	-1401048	783212	LU 18	4.401	Si
20	18.1	1.8	0	1,2,3,4	-283018	161421	-34038	-1341527	765148	LU 18	4.74	Si
50	18.1	1.8	0	1,2,3,4	-246129	144149	-33838	-1253909	734368	LU 18	5.095	Si
80	18.1	0.9	0	2,3,4	-209710	127096	-33640	-1148575	696102	LU 18	5.477	Si
110	18.1	0.9	0	2,3,4	-173291	110044	-33443	-1021218	648496	LU 18	5.893	Si
140	18.1	0.9	0	2,3,4	-136858	96500	-33147	-866457	610947	LU 12	6.331	Si
170	18.1	0.9	0	2,3,4	-100636	80254	-32950	-683455	545036	LU 12	6.791	Si
350	18.1	0.9	0	2,3,4	117453	-71700	-31867	803785	-490678	LU 18	6.843	Si
200	18.1	0.9	0	2,3,4	-73915	73915	-32851	-509890	509890	LU 18	6.898	Si
230	18.1	0.9	0	2,3,4	-73470	73470	-32653	-509890	509890	LU 18	6.94	Si
260	18.1	0.9	0	2,3,4	73026	73026	-32456	509890	509890	LU 18	6.982	Si
290	18.1	0.9	0	2,3,4	72581	72581	-32258	509890	509890	LU 18	7.025	Si
320	18.1	0.9	0	2,3,4	81641	-72137	-32061	577068	-509890	LU 18	7.068	Si
420	18.1	2.3	0	2,3,4,5	26461	-70242	-13230	316563	-840335	LU 12	11.963	Si
449	18.1	2.3	0	2,3,4,5	26163	-59873	-13081	330446	-756214	LU 12	12.63	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-568	-31867	LU 18	10585	4223	36958	2.5	18.62	1214	-31867	LU 18	10585	4223	36958	2.5	8.72	Si
320	2X/2Y ø6/23.9	-568	-32061	LU 18	10611	4223	36985	2.5	18.67	1214	-32061	LU 18	10611	4223	36985	2.5	8.74	Si
290	2X/2Y ø6/23.9	-568	-32258	LU 18	10637	4223	37012	2.5	18.71	1214	-32258	LU 18	10637	4223	37012	2.5	8.76	Si
260	2X/2Y ø6/23.9	-568	-32456	LU 18	10663	4223	37039	2.5	18.76	1214	-32456	LU 18	10663	4223	37039	2.5	8.78	Si
230	2X/2Y ø6/23.9	-568	-32653	LU 18	10689	4223	37066	2.5	18.8	1214	-32653	LU 18	10689	4223	37066	2.5	8.8	Si
200	2X/2Y ø6/23.9	-568	-32851	LU 18	10715	4223	37093	2.5	18.85	1214	-32851	LU 18	10715	4223	37093	2.5	8.83	Si
170	2X/2Y ø6/23.9	-568	-33048	LU 18	10741	4223	37120	2.5	18.9	1214	-33048	LU 18	10741	4223	37120	2.5	8.85	Si
140	2X/2Y ø6/23.9	-568	-33246	LU 18	10767	4223	37147	2.5	18.94	1214	-33246	LU 18	10767	4223	37147	2.5	8.87	Si
110	2X/2Y ø6/23.9	-568	-33443	LU 18	10793	4223	37174	2.5	18.99	1214	-33443	LU 18	10793	4223	37174	2.5	8.89	Si
80	2X/2Y ø6/23.9	-568	-33640	LU 18	10820	4223	37201	2.5	19.03	1214	-33640	LU 18	10820	4223	37201	2.5	8.91	Si
50	2X/2Y ø6/23.9	-568	-33838	LU 18	10846	4223	37228	2.5	19.08	1214	-33838	LU 18	10846	4223	37228	2.5	8.93	Si
20	2X/2Y ø6/23.9	-568	-34038	LU 18	10872	4223	37256	2.5	19.13	1214	-34038	LU 18	10872	4223	37256	2.5	8.96	Si
-10	2X/2Y ø6/23.9	-568	-34229	LU 18	10897	4223	37282	2.5	19.17	1214	-34229	LU 18	10897	4223	37282	2.5	8.98	Si
770	2X/2Y ø6/24.8	366	-11196	LU 11	6620	3562	26832	2.5	18.11	-53	-8779	LU 2	6306	3562	26507	2.5	119.17	Si
741	2X/2Y ø6/24.8	366	-11345	LU 11	6640	3562	26852	2.5	18.16	-53	-8894	LU 2	6321	3562	26522	2.5	119.45	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	-240290	134323	-25834	RA 9	-31.2	-240290	134323	-25834	RA 9	-397.8	Si
20	-213640	121795	-25687	RA 9	-29.1	-213640	121795	-25687	RA 9	-372.9	Si
50	-185824	108720	-25533	RA 9	-26.8	-185824	108720	-25533	RA 9	-346.8	Si
80	-158088	97073	-25316	RA 3	-24.6	-158088	97073	-25316	RA 3	-321.4	Si
110	-130758	84702	-25164	RA 3	-21.8	-130758	84702	-25164	RA 3	-296.1	Si
140	-103427	72331	-25012	RA 3	-20.3	-103427	72331	-25012	RA 3	-270.8	Si
170	-76096	59959	-24860	RA 3	-18.1	-76096	59959	-24860	RA 3	-245.6	Si
350	88341	-20158	-24017	RA 9	-16.2	88341	-20158	-24017	RA 9	-223.2	Si
200	-48824	47615	-24709	RA 3	-15.9	-48824	47615	-24709	RA 3	-220.4	Si
320	61337	-7464	-24166	RA 9	-14.2	61337	-7464	-24166	RA 9	-199.9	Si
230	-21435	35217	-24557	RA 3	-13.7	-21435	35217	-24557	RA 3	-195	Si
290	33227	10475	-24253	RA 3	-12.9	33227	10475	-24253	RA 3	-185.1	Si
260	5896	22846	-24405	RA 3	-12.2	5896	22846	-24405	RA 3	-177	Si
420	10559	-51547	-9934	RA 2	-9.9	9635	-51038	-10080	RA 3	-130	Si
449	9502	-43944	-9819	RA 2	-9.2	8739	-43510	-9966	RA 3	-122.2	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	-218552	122161	-23494	QP 2	-28.4	Si
20	-194461	110751	-23347	QP 2	-26.4	Si
50	-169315	98841	-23193	QP 2	-24.4	Si
80	-144489	87083	-23041	QP 2	-21.8	Si
110	-119663	75325	-22889	QP 2	-20.4	Si
140	-94838	63567	-22737	QP 2	-18.3	Si
170	-70012	51809	-22585	QP 2	-16.3	Si
350	78528	-18543	-21677	QP 2	-14.6	Si
200	-45240	40077	-22434	QP 2	-14.3	Si
320	54116	-6981	-21826	QP 2	-12.8	Si
230	-20361	28293	-22282	QP 2	-12.3	Si
290	29291	4777	-21978	QP 2	-11.4	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
260	4465	16535	-22130	QP 2	-10.8	Si
420	6402	-37568	-9595	QP 2	-8.4	Si
449	5989	-32055	-9481	QP 2	-7.9	Si

Pilastrata 35

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -57.2 a -34, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -22, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-339439	-102684	-45637	-1335110	-403884	LU 12	3.933	Si
420	18.1	2.3	0	2,3,4,5	-302315	72667	-15432	-1259989	302862	LU 10	4.168	Si
20	18.1	1.8	0	1,2,3,4	-288526	-102253	-45446	-1205750	-427314	LU 12	4.179	Si
350	18.1	0.9	0	2,3,4	288385	97368	-43275	1245724	420595	LU 12	4.32	Si
50	18.1	1.8	0	1,2,3,4	-235384	-101803	-45246	-1048407	-453431	LU 12	4.454	Si
320	18.1	0.9	0	2,3,4	236795	97805	-43469	1083743	447623	LU 12	4.577	Si
80	18.1	0.9	0	2,3,4	-182920	-101358	-45048	-868509	-481252	LU 12	4.748	Si
290	18.1	0.9	0	2,3,4	184331	98249	-43666	895439	477272	LU 12	4.858	Si
449	18.1	2.3	0	2,3,4,5	-259931	61211	-15658	-1301111	306398	LU 13	5.006	Si
110	18.1	0.9	0	2,3,4	-130456	-100914	-44851	-658559	-509429	LU 12	5.048	Si
140	18.1	0.9	0	2,3,4	-100555	-100555	-44691	-509890	-509890	LU 18	5.071	Si
170	18.1	0.9	0	2,3,4	-100111	-100111	-44494	-509890	-509890	LU 18	5.093	Si
200	18.1	0.9	0	2,3,4	99668	99668	-44297	509890	509890	LU 18	5.116	Si
260	18.1	0.9	0	2,3,4	131866	-98693	-43864	677634	-507164	LU 12	5.139	Si
230	18.1	0.9	0	2,3,4	99223	99223	-44099	509890	509890	LU 18	5.139	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-362	-13617	LU 10	6935	3562	27158	2.5	19.17	1540	-13992	LU 13	6984	3562	27208	2.5	4.54	Si
741	2X/2Y ø6/24.8	-362	-13766	LU 10	6955	3562	27178	2.5	19.23	1540	-14141	LU 13	7003	3562	27229	2.5	4.55	Si
712	2X/2Y ø6/24.8	-362	-13918	LU 10	6974	3562	27199	2.5	19.28	1540	-14293	LU 13	7023	3562	27249	2.5	4.56	Si
683	2X/2Y ø6/24.8	-362	-14070	LU 10	6994	3562	27219	2.5	19.34	1540	-14444	LU 13	7043	3562	27269	2.5	4.57	Si
653	2X/2Y ø6/24.8	-362	-14221	LU 10	7014	3562	27239	2.5	19.39	1540	-14596	LU 13	7063	3562	27290	2.5	4.59	Si
624	2X/2Y ø6/24.8	-362	-14373	LU 10	7034	3562	27260	2.5	19.44	1540	-14748	LU 13	7082	3562	27310	2.5	4.6	Si
595	2X/2Y ø6/24.8	-362	-14525	LU 10	7053	3562	27280	2.5	19.5	1540	-14899	LU 13	7102	3562	27331	2.5	4.61	Si
566	2X/2Y ø6/24.8	-362	-14676	LU 10	7073	3562	27301	2.5	19.55	1540	-15051	LU 13	7122	3562	27351	2.5	4.62	Si
537	2X/2Y ø6/24.8	-362	-14828	LU 10	7093	3562	27321	2.5	19.61	1540	-15203	LU 13	7142	3562	27371	2.5	4.64	Si
508	2X/2Y ø6/24.8	-362	-14980	LU 10	7113	3562	27341	2.5	19.66	1540	-15354	LU 13	7161	3562	27392	2.5	4.65	Si
478	2X/2Y ø6/24.8	-362	-15131	LU 10	7132	3562	27362	2.5	19.72	1540	-15506	LU 13	7181	3562	27412	2.5	4.66	Si
449	2X/2Y ø6/24.8	-362	-15283	LU 10	7152	3562	27382	2.5	19.77	1540	-15658	LU 13	7201	3562	27433	2.5	4.68	Si
420	2X/2Y ø6/24.8	-362	-15432	LU 10	7172	3562	27402	2.5	19.83	1540	-15807	LU 13	7220	3562	27453	2.5	4.69	Si
350	2X/2Y ø6/23.9	29	-34515	LU 9	10935	4223	37321	2.5	381.1	1724	-38123	LU 10	11413	4223	37815	2.5	6.62	Si
320	2X/2Y ø6/23.9	29	-34664	LU 9	10955	4223	37341	2.5	381.78	1724	-38317	LU 10	11438	4223	37841	2.5	6.63	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	-233724	55032	-12121	RA 4	-34.8	-233724	55032	-12121	RA 4	-387.6	Si
449	-199798	47197	-12006	RA 4	-29.6	-199798	47197	-12006	RA 4	-337.7	Si
-10	-261016	-3713	-34577	RA 3	-29.2	-261016	-3713	-34577	RA 3	-387.7	Si
20	-221925	-3400	-34430	RA 3	-27	-221925	-3400	-34430	RA 3	-362.6	Si
350	221026	144	-32760	RA 3	-26.1	221026	144	-32760	RA 3	-349.2	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
50	-181123	-3074	-34276	RA 3	-24.7	-181123	-3074	-34276	RA 3	-336.5	Si
320	181415	-173	-32909	RA 3	-24	181415	-173	-32909	RA 3	-326	Si
80	-140841	-2751	-34124	RA 3	-22.5	-140841	-2751	-34124	RA 3	-310.7	Si
770	175737	-42219	-11738	RA 8	-22.3	175737	-42219	-11738	RA 8	-270.8	Si
290	141133	-495	-33061	RA 3	-21.9	141133	-495	-33061	RA 3	-302.5	Si
478	-163231	37350	-13100	RA 9	-21.7	-163231	37350	-13100	RA 9	-267.6	Si
110	-100559	-2429	-33972	RA 3	-20.3	-100559	-2429	-33972	RA 3	-284.9	Si
260	100851	-818	-33213	RA 3	-19.9	100851	-818	-33213	RA 3	-279.1	Si
741	142469	-34240	-11852	RA 8	-19.3	142278	-32530	-12050	RA 9	-238.3	Si
508	-129285	29586	-12983	RA 9	-18.6	-129285	29586	-12983	RA 9	-232.9	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	-232550	55898	-11871	QP 1	-34.8	Si
449	-198832	47921	-11756	QP 1	-29.6	Si
-10	-260800	-3544	-32124	QP 2	-28.1	Si
20	-222015	-3643	-31976	QP 2	-26	Si
350	217472	-4766	-30306	QP 2	-25	Si
50	-181533	-3747	-31823	QP 2	-23.7	Si
320	178171	-4666	-30456	QP 2	-23	Si
770	177944	-41212	-10475	QP 1	-21.7	Si
80	-141565	-3849	-31671	QP 2	-21.5	Si
478	-164984	39174	-11724	QP 2	-21.3	Si
290	138204	-4564	-30608	QP 2	-20.9	Si
110	-101598	-3951	-31519	QP 2	-19.4	Si
260	98237	-4462	-30759	QP 2	-18.9	Si
741	144226	-33236	-10590	QP 1	-18.7	Si
508	-130636	31210	-11608	QP 2	-18.1	Si

Pilastrata 36

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 14.8, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 14.8 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometriche

L'appoggio -22 ha ampiezza nulla.

Anomalie quantitativo di acciaio

Sezione a quota -16 in Campata da -22 a 408, percentuale acciaio = 0.087% < 0.3%.
Sezione a quota -10 in Campata da -22 a 408, percentuale acciaio = 0.174% < 0.3%.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-22	0	0.9	0	1	-54663	54663	-24295	-428591	428591	LU 18	7.841	Si
-17	1.47	0.9	0	1	-54582	54582	-24259	-435192	435192	LU 18	7.973	Si
420	18.1	2.3	0	2,3,4,5	27230	-149013	-10260	245631	-1344204	LU 18	9.021	Si
14	17.38	1.8	0	1,2,3,4	54137	-54137	-24061	506695	-506695	LU 18	9.36	Si
44	18.1	1.8	0	1,2,3,4	53684	-53684	-23859	509890	-509890	LU 18	9.498	Si
75	18.1	0.9	0	2,3,4	53226	-53226	-23656	509890	-509890	LU 18	9.58	Si
105	18.1	0.9	0	2,3,4	52778	-52778	-23457	509890	-509890	LU 18	9.661	Si
136	18.1	0.9	0	2,3,4	52325	-52325	-23256	509890	-509890	LU 18	9.745	Si
167	18.1	0.9	0	2,3,4	51872	-51872	-23054	509890	-509890	LU 18	9.83	Si
197	18.1	0.9	0	2,3,4	51419	-51419	-22853	509890	-509890	LU 18	9.916	Si
228	18.1	0.9	0	2,3,4	50966	-50966	-22652	509890	-509890	LU 18	10.004	Si
258	18.1	0.9	0	2,3,4	50514	-50514	-22450	509890	-509890	LU 18	10.094	Si
289	18.1	0.9	0	2,3,4	50061	-50061	-22249	509890	-509890	LU 18	10.185	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
319	18.1	0.9	0	2,3,4	49608	-49608	-22048	509890	-509890	LU 18	10.278	Si
350	18.1	0.9	0	2,3,4	49162	-50198	-21850	509890	-520634	LU 18	10.372	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	799	-8445	LU 18	6262	3562	26462	2.5	7.84	-66	-7584	LU 13	6150	3562	26346	2.5	92.86	Si
741	2X/2Y ø6/24.8	799	-8594	LU 18	6282	3562	26482	2.5	7.86	-66	-7733	LU 13	6170	3562	26366	2.5	93.15	Si
712	2X/2Y ø6/24.8	799	-8745	LU 18	6301	3562	26502	2.5	7.89	-66	-7885	LU 13	6189	3562	26386	2.5	93.45	Si
683	2X/2Y ø6/24.8	799	-8897	LU 18	6321	3562	26523	2.5	7.91	-66	-8037	LU 13	6209	3562	26407	2.5	93.74	Si
653	2X/2Y ø6/24.8	799	-9049	LU 18	6341	3562	26543	2.5	7.94	-66	-8188	LU 13	6229	3562	26427	2.5	94.04	Si
624	2X/2Y ø6/24.8	799	-9200	LU 18	6361	3562	26564	2.5	7.96	-66	-8340	LU 13	6249	3562	26448	2.5	94.34	Si
595	2X/2Y ø6/24.8	799	-9352	LU 18	6380	3562	26584	2.5	7.99	-66	-8492	LU 13	6268	3562	26468	2.5	94.64	Si
566	2X/2Y ø6/24.8	799	-9504	LU 18	6400	3562	26604	2.5	8.01	-66	-8643	LU 13	6288	3562	26489	2.5	94.94	Si
537	2X/2Y ø6/24.8	799	-9655	LU 18	6420	3562	26625	2.5	8.04	-66	-8795	LU 13	6308	3562	26509	2.5	95.23	Si
508	2X/2Y ø6/24.8	799	-9807	LU 18	6440	3562	26645	2.5	8.06	-66	-8947	LU 13	6328	3562	26529	2.5	95.53	Si
478	2X/2Y ø6/24.8	799	-9959	LU 18	6459	3562	26666	2.5	8.09	-66	-9098	LU 13	6347	3562	26550	2.5	95.83	Si
449	2X/2Y ø6/24.8	799	-10110	LU 18	6479	3562	26686	2.5	8.11	-66	-9250	LU 13	6367	3562	26570	2.5	96.13	Si
420	2X/2Y ø6/24.8	799	-10260	LU 18	6498	3562	26706	2.5	8.13	-66	-9399	LU 13	6386	3562	26590	2.5	96.42	Si
350	2X/2Y ø6/23.9	-144	-21707	LU 11	9240	4223	35568	2.5	64.1	138	-20616	LU 17	9096	4223	35418	2.5	65.95	Si
319	2X/2Y ø6/23.9	-144	-21905	LU 11	9267	4223	35595	2.5	64.29	138	-20814	LU 17	9122	4223	35445	2.5	66.14	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	20767	-112084	-7795	RA 9	-13.9	20767	-112084	-7795	RA 9	-170.2	Si
449	19306	-94980	-7681	RA 9	-12.5	19306	-94980	-7681	RA 9	-154.2	Si
350	35910	-38461	-16612	RA 9	-11.2	35910	-38461	-16612	RA 9	-154	Si
478	17819	-77579	-7564	RA 9	-11.1	17819	-77579	-7564	RA 9	-138	Si
319	32697	-35160	-16765	RA 9	-10.9	32697	-35160	-16765	RA 9	-151	Si
770	2979	96138	-6399	RA 9	-10.7	2979	96138	-6399	RA 9	-131.6	Si
289	29431	-31804	-16919	RA 9	-10.6	29431	-31804	-16919	RA 9	-148	Si
258	26165	-28449	-17074	RA 9	-10.3	26165	-28449	-17074	RA 9	-144.9	Si
228	22900	-25094	-17229	RA 9	-10.1	22900	-25094	-17229	RA 9	-141.9	Si
197	19632	-21738	-17384	RA 9	-9.8	19632	-21738	-17384	RA 9	-138.8	Si
741	4440	79035	-6514	RA 9	-9.6	4440	79035	-6514	RA 9	-119.9	Si
508	16333	-60177	-7447	RA 9	-9.6	16333	-60177	-7447	RA 9	-121.7	Si
-22	-3669	2682	-18463	RA 3	-9.5	0	0	0		0	Si
167	16366	-18382	-17539	RA 9	-9.5	16366	-18382	-17539	RA 9	-135.8	Si
-17	-3100	2078	-18436	RA 3	-9.3	-3100	2078	-18436	RA 3	-138.9	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	19625	-97140	-7252	QP 2	-12.5	Si
449	18229	-83142	-7137	QP 2	-11.3	Si
350	33822	-37727	-15694	QP 2	-10.6	Si
319	30797	-34486	-15847	QP 2	-10.4	Si
289	27722	-31191	-16002	QP 2	-10.1	Si
478	16809	-68900	-7021	QP 2	-10.1	Si
258	24646	-27896	-16156	QP 2	-9.8	Si
228	21572	-24602	-16311	QP 2	-9.6	Si
197	18496	-21305	-16466	QP 2	-9.3	Si
-22	-3534	2299	-17575	QP 2	-9.1	Si
167	15421	-18010	-16621	QP 2	-9	Si
-17	-2980	1706	-17547	QP 2	-8.9	Si
508	15389	-54658	-6904	QP 2	-8.8	Si
136	12345	-14715	-16776	QP 2	-8.7	Si
770	2631	73276	-5856	QP 2	-8.7	Si

Pilastrata 36A

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4
Campata da -22 a 408 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 34.4 > 30.

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -80, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -80 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 411.6, 34.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3	230368	383114	-8831	596080	991311	LU 12	2.588	Si
350	18.1	0.9	0	3	-160592	-324985	-6469	-483200	-977834	LU 12	3.009	Si
20	18.1	1.8	0	2,3	198663	325691	-8640	634043	1039458	LU 12	3.192	Si
320	18.1	0.9	0	3	-128466	-266799	-6663	-516043	-1071719	LU 12	4.017	Si
50	18.1	1.8	0	2,3	165571	265755	-8440	690204	1107833	LU 12	4.169	Si
80	18.1	0.9	0	3	132900	206582	-8242	767054	1192321	LU 12	5.772	Si
290	18.1	0.9	0	3	-95795	-207626	-6860	-567016	-1228947	LU 12	5.919	Si
-80	18.1	0.9	0	2	-43604	-208692	-15666	-364967	-1746769	LU 12	8.37	Si
110	18.1	0.9	0	3	100230	147410	-8045	854003	1256000	LU 12	8.52	Si
-110	18.1	0.9	0	2	-35686	-187657	-15860	-323641	-1701876	LU 12	9.069	Si
-140	18.1	0.9	0	2	-36130	-166265	-16058	-348861	-1605392	LU 12	9.656	Si
260	18.1	0.9	0	3	-63125	-148454	-7058	-622959	-1465050	LU 12	9.869	Si
-500	18.1	1.8	0	1,2	91976	90077	-18424	939048	919664	LU 12	10.21	Si
-170	18.1	0.9	0	2	-36575	-144873	-16255	-374817	-1484667	LU 12	10.248	Si
-200	18.1	0.9	0	2	-37026	-123137	-16456	-402948	-1340081	LU 12	10.883	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-1972	-6469	LU 12	7224	4203	33481	2.5	3.66	-1089	-6469	LU 12	7224	4203	33481	2.5	6.63	Si
320	2X/2Y ø6/24	-1972	-6663	LU 12	7250	4203	33508	2.5	3.68	-1089	-6663	LU 12	7250	4203	33508	2.5	6.66	Si
290	2X/2Y ø6/24	-1972	-6860	LU 12	7276	4203	33535	2.5	3.69	-1089	-6860	LU 12	7276	4203	33535	2.5	6.68	Si
260	2X/2Y ø6/24	-1972	-7058	LU 12	7302	4203	33562	2.5	3.7	-1089	-7058	LU 12	7302	4203	33562	2.5	6.7	Si
230	2X/2Y ø6/24	-1972	-7255	LU 12	7328	4203	33589	2.5	3.72	-1089	-7255	LU 12	7328	4203	33589	2.5	6.73	Si
200	2X/2Y ø6/24	-1972	-7453	LU 12	7354	4203	33616	2.5	3.73	-1089	-7453	LU 12	7354	4203	33616	2.5	6.75	Si
170	2X/2Y ø6/24	-1972	-7650	LU 12	7380	4203	33643	2.5	3.74	-1089	-7650	LU 12	7380	4203	33643	2.5	6.78	Si
140	2X/2Y ø6/24	-1972	-7848	LU 12	7406	4203	33670	2.5	3.75	-1089	-7848	LU 12	7406	4203	33670	2.5	6.8	Si
110	2X/2Y ø6/24	-1972	-8045	LU 12	7432	4203	33697	2.5	3.77	-1089	-8045	LU 12	7432	4203	33697	2.5	6.82	Si
80	2X/2Y ø6/24	-1972	-8242	LU 12	7459	4203	33724	2.5	3.78	-1089	-8242	LU 12	7459	4203	33724	2.5	6.85	Si
50	2X/2Y ø6/24	-1972	-8440	LU 12	7485	4203	33751	2.5	3.79	-1089	-8440	LU 12	7485	4203	33751	2.5	6.87	Si
20	2X/2Y ø6/24	-1972	-8640	LU 12	7511	4203	33779	2.5	3.81	-1089	-8640	LU 12	7511	4203	33779	2.5	6.9	Si
-10	2X/2Y ø6/24	-1972	-8831	LU 12	7536	4203	33805	2.5	3.82	-1089	-8831	LU 12	7536	4203	33805	2.5	6.92	Si
-80	2X/2Y ø6/24.7	-714	-14708	LU 18	8314	4082	34609	2.5	11.64	-325	-15668	LU 11	8441	4082	34741	2.5	25.95	Si
-110	2X/2Y ø6/24.7	-714	-14902	LU 18	8340	4082	34636	2.5	11.67	-325	-15862	LU 11	8467	4082	34767	2.5	26.03	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	174836	287256	-6638	RA 3	-44.6	174836	287256	-6638	RA 3	839.4	Si
350	-122072	-243905	-4820	RA 3	-35.2	-122072	-243905	-4820	RA 3	704.8	Si
20	150758	244182	-6490	RA 3	-37.8	150758	244182	-6490	RA 3	673.8	Si
320	-97674	-200258	-4969	RA 3	-28.4	-97674	-200258	-4969	RA 3	521.5	Si
50	125627	199222	-6336	RA 3	-30.7	125627	199222	-6336	RA 3	502.8	Si
80	100815	154836	-6184	RA 3	-23.7	100815	154836	-6184	RA 3	337.9	Si
-80	-33115	-157631	-11728	RA 3	-15.3	-33115	-157631	-11728	RA 3	-193.2	Si
290	-72863	-155871	-5121	RA 3	-14.4	-72863	-155871	-5121	RA 3	-173.3	Si
-110	-25885	-141672	-11877	RA 3	-14.1	-25885	-141672	-11877	RA 3	-180	Si
-500	69574	69048	-13849	RA 3	-13.4	69574	69048	-13849	RA 3	-175.2	Si
-140	-18532	-125442	-12029	RA 3	-12.9	-18532	-125442	-12029	RA 3	-166.6	Si
110	76004	110449	-6033	RA 3	-12.6	76004	110449	-6033	RA 3	-153.4	Si
-470	62344	53088	-13699	RA 3	-12.1	62344	53088	-13699	RA 3	-160.1	Si
-170	-11180	-109212	-12181	RA 3	-11.7	-11180	-109212	-12181	RA 3	-153.2	Si
260	-48052	-111484	-5273	RA 3	-10.8	-48052	-111484	-5273	RA 3	-132	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	163852	253093	-5929	QP 2	-40.3	Si
20	141216	215055	-5782	QP 2	-34.2	Si
350	-115285	-215968	-4111	QP 2	-32	Si
50	117589	175352	-5628	QP 2	-27.7	Si
320	-92348	-177424	-4261	QP 2	-25.8	Si
80	94262	136155	-5476	QP 2	-14.7	Si
-80	-31243	-144193	-10256	QP 2	-13.8	Si
290	-69022	-138226	-4413	QP 2	-13	Si
-110	-24517	-129279	-10406	QP 2	-12.7	Si
-500	64295	67637	-12377	QP 2	-11.8	Si
-140	-17676	-114112	-10557	QP 2	-11.6	Si
110	70936	96957	-5324	QP 2	-11.3	Si
-470	57569	52723	-12228	QP 2	-11.2	Si
-170	-10836	-98945	-10709	QP 2	-10.5	Si
-440	50728	37556	-12076	QP 2	-10	Si

Pilastrata 36C

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 50x90	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	350	R 50x90	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x80	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-19.2	-39.2	1.8	2.540	-542	-500	R 50x90	FeB 32k liscio LC1
p.1	19.2	-39.2	1.8	2.540	-542	-500	R 50x90	FeB 32k liscio LC1
p.1	19.2	39.2	1.8	2.540	-542	-500	R 50x90	FeB 32k liscio LC1
p.1	-19.2	39.2	1.8	2.540	-542	-500	R 50x90	FeB 32k liscio LC1
p.2	-19.2	-39.2	1.8	2.540	-500	-10	R 50x90	FeB 32k liscio LC1
p.2	19.2	-39.2	1.8	2.540	-500	-10	R 50x90	FeB 32k liscio LC1
p.2	19.2	39.2	1.8	2.540	-500	-10	R 50x90	FeB 32k liscio LC1
p.2	-19.2	39.2	1.8	2.540	-500	-10	R 50x90	FeB 32k liscio LC1
p.3	-19.2	-39.2	1.8	2.540	-10	420	R 50x90	FeB 32k liscio LC1
p.5	19.2	-39.2	1.8	2.540	-10	420	R 50x90	FeB 32k liscio LC1
p.5	-19.2	39.2	1.8	2.540	-10	420	R 50x90	FeB 32k liscio LC1
p.6	19.2	39.2	1.8	2.540	-10	420	R 50x90	FeB 32k liscio LC1
p.7	-9.7	-29.7	1.8	2.540	420	770	R 40x80	FeB 32k liscio LC1
p.7	19.7	-29.7	1.8	2.540	420	770	R 40x80	FeB 32k liscio LC1
p.7	19.7	39.7	1.8	2.540	420	770	R 40x80	FeB 32k liscio LC1
p.7	-9.7	39.7	1.8	2.540	420	770	R 40x80	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 78.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 78.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -80, 78.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -80 a -10, 78.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 78.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 78.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 73.9 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 420 a 481.6, 69.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 481.6 a 770, 69.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 770 a 831.6, 69.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
770	18.1	0.6	0	7	581388	131284	-9289	2448620	552928	LU 12	4.212	Si
-500	18.1	0.8	0	1,2	-1098682	180663	-72265	-5529739	909290	LU 12	5.033	Si
-470	18.1	0.8	0	1,2	-961616	179585	-71834	-5109319	954180	LU 12	5.313	Si
741	18.1	0.6	0	7	499586	106451	-9587	2807828	598290	LU 12	5.62	Si
-440	18.1	0.8	0	1,2	-822227	178488	-71395	-4621312	1003186	LU 12	5.62	Si
-80	18.1	0.4	0	2	848116	165343	-66137	4970014	968924	LU 12	5.86	Si
-410	18.1	0.4	0	2	-682838	177391	-70956	-4059062	1054481	LU 12	5.944	Si
-110	18.1	0.4	0	2	711050	166422	-66569	4380546	1025272	LU 12	6.161	Si
-380	18.1	0.4	0	2	-543450	176294	-70518	-3416586	1108334	LU 12	6.287	Si
-140	18.1	0.4	0	2	571661	167519	-67008	3703273	1085203	LU 12	6.478	Si
-350	18.1	0.4	0	2	-404061	175197	-70079	-2649000	1148582	LU 12	6.556	Si
-320	18.1	0.4	0	2	-313380	174100	-69640	-2067448	1148582	LU 12	6.597	Si
-290	18.1	0.4	0	2	-311406	173003	-69201	-2067448	1148582	LU 12	6.639	Si
-260	18.1	0.4	0	2	309432	171906	-68763	2067448	1148582	LU 12	6.681	Si
420	18.1	1.1	0	4,5,6,7	-414497	-171043	-12918	-2776752	-1145830	LU 12	6.699	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	866	-9289	LU 12	11535	3526	51900	2.5	13.32	2919	-9673	LU 18	10260	7591	55920	2.5	3.52	Si
741	2X/2Y ø6/25	866	-9587	LU 12	11574	3526	51941	2.5	13.36	2919	-9971	LU 18	10301	7591	55963	2.5	3.53	Si
712	2X/2Y ø6/25	866	-9890	LU 12	11614	3526	51981	2.5	13.41	2919	-10274	LU 18	10344	7591	56007	2.5	3.54	Si
683	2X/2Y ø6/25	866	-10194	LU 12	11653	3526	52022	2.5	13.45	2919	-10578	LU 18	10386	7591	56051	2.5	3.56	Si
653	2X/2Y ø6/25	866	-10497	LU 12	11693	3526	52063	2.5	13.5	2919	-10881	LU 18	10429	7591	56095	2.5	3.57	Si
624	2X/2Y ø6/25	866	-10800	LU 12	11732	3526	52104	2.5	13.54	2919	-11184	LU 18	10471	7591	56139	2.5	3.59	Si
595	2X/2Y ø6/25	866	-11104	LU 12	11772	3526	52145	2.5	13.59	2919	-11488	LU 18	10514	7591	56183	2.5	3.6	Si
566	2X/2Y ø6/25	866	-11407	LU 12	11811	3526	52186	2.5	13.63	2919	-11791	LU 18	10556	7591	56227	2.5	3.62	Si
537	2X/2Y ø6/25	866	-11710	LU 12	11851	3526	52226	2.5	13.68	2919	-12094	LU 18	10599	7591	56271	2.5	3.63	Si
508	2X/2Y ø6/25	866	-12014	LU 12	11890	3526	52267	2.5	13.73	2919	-12398	LU 18	10641	7591	56314	2.5	3.65	Si
478	2X/2Y ø6/25	866	-12317	LU 12	11930	3526	52308	2.5	13.77	2919	-12701	LU 18	10684	7591	56358	2.5	3.66	Si
449	2X/2Y ø6/25	866	-12620	LU 12	11969	3526	52349	2.5	13.82	2919	-13004	LU 18	10726	7591	56402	2.5	3.68	Si
420	2X/2Y ø6/25	866	-12918	LU 12	12008	3526	52389	2.5	13.86	2919	-13303	LU 18	10768	7591	56446	2.5	3.69	Si
-80	2X/2Y ø6/24.7	-154	-56207	LU 10	21173	4545	80291	2.5	137.19	4756	-57141	LU 17	20194	8659	85110	2.5	4.25	Si
-110	2X/2Y ø6/24.7	-154	-56639	LU 10	21230	4545	80351	2.5	137.56	4756	-57572	LU 17	20255	8659	85172	2.5	4.26	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
770	443234	95687	-7106	RA 3	-24.3	443234	95687	-7106	RA 3	501.3	Si
-500	-865196	94579	-53104	RA 9	-24.7	-865196	94579	-53104	RA 9	-340.5	Si
-470	-757381	94693	-52772	RA 9	-23.2	-757381	94693	-52772	RA 9	-321.1	Si
-440	-647740	94808	-52434	RA 9	-21.7	-631756	90623	-53901	RA 3	-302.1	Si
-80	650833	105359	-49856	RA 3	-21.5	650833	105359	-49856	RA 3	-296.8	Si
-410	-524725	91852	-53563	RA 3	-20.3	-524725	91852	-53563	RA 3	-283.2	Si
-110	545586	104150	-50188	RA 3	-20.1	545586	104150	-50188	RA 3	-279.5	Si
-380	-417694	93082	-53226	RA 3	-18.8	-417694	93082	-53226	RA 3	-264.3	Si
-140	438555	102920	-50526	RA 3	-18.8	438555	102920	-50526	RA 3	-262.1	Si
-170	331524	101690	-50863	RA 3	-17.4	331524	101690	-50863	RA 3	-244.6	Si
-350	-310663	94312	-52888	RA 3	-17.4	-310663	94312	-52888	RA 3	-245.3	Si
-10	-390054	-200957	-30644	RA 3	-16.3	-390054	-200957	-30644	RA 3	-218.5	Si
350	502098	170180	-26146	RA 9	-16.1	502098	170180	-26146	RA 9	-214.9	Si
-200	222766	100441	-51206	RA 3	-16.1	222766	100441	-51206	RA 3	-226.8	Si
-320	-203631	95542	-52551	RA 3	-16	-203631	95542	-52551	RA 3	-226.4	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-500	-837542	106440	-49892	QP 2	-23.9	Si
-470	-733343	104349	-49560	QP 2	-22.5	Si
-440	-627378	102224	-49223	QP 2	-21	Si
-80	642438	76751	-45178	QP 2	-19.7	Si
-410	-521413	100098	-48885	QP 2	-19.4	Si
-110	538239	78842	-45510	QP 2	-18.4	Si
-380	-415448	97972	-48548	QP 2	-17.9	Si
-140	432274	80967	-45848	QP 2	-17.2	Si
-350	-309482	95847	-48210	QP 2	-16.4	Si
-170	326308	83093	-46185	QP 2	-15.9	Si
-320	-203517	93721	-47873	QP 2	-14.9	Si
350	482579	145330	-24372	QP 2	-14.9	Si
-10	-393335	-155455	-28411	QP 2	-14.8	Si
-200	218634	85253	-46528	QP 2	-14.7	Si
-290	-97552	91595	-47535	QP 2	-13.4	Si

Pilastrata 37

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-70	R 30x30	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	360	R 30x30	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	780	R 30x30	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-10.27	-10.27	2.2	3.801	-542	-500	R 30x30	FeB 32k liscio LC1
p.1	10.27	-10.27	2.2	3.801	-542	-500	R 30x30	FeB 32k liscio LC1
p.1	10.27	10.27	2.2	3.801	-542	-500	R 30x30	FeB 32k liscio LC1
p.1	-10.27	10.27	2.2	3.801	-542	-500	R 30x30	FeB 32k liscio LC1
p.2	-10.27	-10.27	2.2	3.801	-500	-10	R 30x30	FeB 32k liscio LC1
p.2	10.27	-10.27	2.2	3.801	-500	-10	R 30x30	FeB 32k liscio LC1
p.2	10.27	10.27	2.2	3.801	-500	-10	R 30x30	FeB 32k liscio LC1
p.2	-10.27	10.27	2.2	3.801	-500	-10	R 30x30	FeB 32k liscio LC1
p.3	-10.27	-10.27	2.2	3.801	-10	420	R 30x30	FeB 32k liscio LC1
p.3	10.27	-10.27	2.2	3.801	-10	420	R 30x30	FeB 32k liscio LC1
p.3	10.27	10.27	2.2	3.801	-10	420	R 30x30	FeB 32k liscio LC1
p.3	-10.27	10.27	2.2	3.801	-10	420	R 30x30	FeB 32k liscio LC1
p.4	-10.27	-10.27	2.2	3.801	420	780	R 30x30	FeB 32k liscio LC1
p.4	10.27	-10.27	2.2	3.801	420	780	R 30x30	FeB 32k liscio LC1
p.4	10.27	10.27	2.2	3.801	420	780	R 30x30	FeB 32k liscio LC1
p.4	-10.27	10.27	2.2	3.801	420	780	R 30x30	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3 < 4
Campata da -22 a 408 ricoprimento 3 < 4
Campata da 408 a 828 ricoprimento 3 < 4

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
360	15.21	1.7	0	3	44984	-204871	-9932	127871	-582365	LU 12	2.843	Si
-500	15.21	3.4	0	1,2	74482	74482	-37241	218260	218260	LU 12	2.93	Si
-469	15.21	3.4	0	1,2	74305	74305	-37152	218260	218260	LU 12	2.937	Si
-439	15.21	1.7	0	2	74125	-74125	-37063	218260	-218260	LU 12	2.944	Si
-408	15.21	1.7	0	2	73945	-73945	-36973	218260	-218260	LU 12	2.952	Si
-377	15.21	1.7	0	2	73766	-73766	-36883	218260	-218260	LU 12	2.959	Si
-346	15.21	1.7	0	2	73587	-73587	-36793	218260	-218260	LU 12	2.966	Si
-316	15.21	1.7	0	2	73406	-73406	-36703	218260	-218260	LU 12	2.973	Si
-285	15.21	1.7	0	2	73227	-73227	-36613	218260	-218260	LU 12	2.981	Si
-254	15.21	1.7	0	2	73047	-73047	-36524	218260	-218260	LU 12	2.988	Si
-224	15.21	1.7	0	2	72867	-72867	-36434	218260	-218260	LU 12	2.995	Si
-193	15.21	1.7	0	2	72688	-72688	-36344	218260	-218260	LU 12	3.003	Si
-162	15.21	1.7	0	2	72508	-72508	-36254	218260	-218260	LU 12	3.01	Si
-131	15.21	1.7	0	2	72328	-72328	-36164	218260	-218260	LU 12	3.018	Si
-101	15.21	1.7	0	2	72149	-72149	-36074	218260	-218260	LU 12	3.025	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
360	2X/2Y ø6/24.7	-1116	-9932	LU 12	4395	2603	15131	2.5	3.94	205	-9342	LU 18	4320	2603	15054	2.5	21.07	Si
329	2X/2Y ø6/24.7	-1116	-10021	LU 12	4406	2603	15142	2.5	3.95	205	-9431	LU 18	4331	2603	15065	2.5	21.12	Si
298	2X/2Y ø6/24.7	-1116	-10111	LU 12	4417	2603	15154	2.5	3.96	205	-9521	LU 18	4343	2603	15077	2.5	21.18	Si
268	2X/2Y ø6/24.7	-1116	-10201	LU 12	4429	2603	15166	2.5	3.97	205	-9611	LU 18	4354	2603	15089	2.5	21.24	Si
237	2X/2Y ø6/24.7	-1116	-10291	LU 12	4440	2603	15178	2.5	3.98	205	-9701	LU 18	4365	2603	15101	2.5	21.29	Si
206	2X/2Y ø6/24.7	-1116	-10381	LU 12	4451	2603	15189	2.5	3.99	205	-9791	LU 18	4377	2603	15112	2.5	21.35	Si
175	2X/2Y ø6/24.7	-1116	-10472	LU 12	4463	2603	15201	2.5	4	205	-9882	LU 18	4388	2603	15124	2.5	21.4	Si
144	2X/2Y ø6/24.7	-1116	-10561	LU 12	4474	2603	15213	2.5	4.01	205	-9971	LU 18	4399	2603	15136	2.5	21.46	Si
113	2X/2Y ø6/24.7	-1116	-10652	LU 12	4486	2603	15225	2.5	4.02	205	-10062	LU 18	4411	2603	15148	2.5	21.51	Si
83	2X/2Y ø6/24.7	-1116	-10742	LU 12	4497	2603	15237	2.5	4.03	205	-10152	LU 18	4422	2603	15159	2.5	21.57	Si
52	2X/2Y ø6/24.7	-1116	-10832	LU 12	4508	2603	15248	2.5	4.04	205	-10242	LU 18	4434	2603	15171	2.5	21.62	Si
21	2X/2Y ø6/24.7	-1116	-10923	LU 12	4520	2603	15260	2.5	4.05	205	-10333	LU 18	4445	2603	15183	2.5	21.68	Si
-10	2X/2Y ø6/24.7	-1116	-11011	LU 12	4531	2603	15272	2.5	4.06	205	-10421	LU 18	4456	2603	15195	2.5	21.73	Si
780	2X/2Y ø6/24	-172	-556	LU 12	3210	2675	13905	2.5	18.7	205	-440	LU 18	3195	2675	13890	2.5	15.61	Si
750	2X/2Y ø6/24	-172	-642	LU 12	3221	2675	13916	2.5	18.76	205	-527	LU 18	3206	2675	13901	2.5	15.66	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
360	34028	-154074	-7450	RA 3	-48.8	35089	-149987	-7057	RA 9	594.4	Si
-10	-20096	153673	-8280	RA 3	-45	-20096	153673	-8280	RA 3	501.8	Si
329	29579	-128776	-7518	RA 3	-41.1	30409	-125793	-7125	RA 9	435.4	Si
21	-15646	128374	-8212	RA 3	-37.4	-15646	128374	-8212	RA 3	-391.2	Si
298	25057	-103061	-7588	RA 3	-33.2	25057	-103061	-7588	RA 3	-354.9	Si
-70	1595	-50398	-26835	RA 3	-32.3	1595	-50398	-26835	RA 3	-444.3	Si
-101	1861	-46536	-26903	RA 3	-31.8	1861	-46536	-26903	RA 3	-439.2	Si
-131	2133	-42588	-26972	RA 3	-31.2	2133	-42588	-26972	RA 3	-433.9	Si
-162	2405	-38639	-27041	RA 3	-30.7	2405	-38639	-27041	RA 3	-428.6	Si
-193	2676	-34690	-27110	RA 3	-30.2	2676	-34690	-27110	RA 3	-423.4	Si
52	-11124	102659	-8143	RA 3	-29.8	-11124	102659	-8143	RA 3	-325.4	Si
-224	2948	-30741	-27179	RA 3	-29.6	2948	-30741	-27179	RA 3	-418.1	Si
-254	3220	-26792	-27248	RA 3	-29.1	3220	-26792	-27248	RA 3	-412.8	Si
-285	3492	-22843	-27317	RA 3	-28.5	3492	-22843	-27317	RA 3	-407.5	Si
-316	3764	-18895	-27386	RA 3	-28	3764	-18895	-27386	RA 3	-402.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
360	31225	-137832	-6589	QP 2	-43.8	Si
-10	-18738	129147	-7419	QP 2	-38.4	Si
329	27118	-115885	-6657	QP 2	-37.1	Si
21	-14630	107200	-7351	QP 2	-31.7	Si
298	22943	-93576	-6726	QP 2	-30.2	Si
-70	598	-39153	-22976	QP 2	-26.9	Si
-101	1179	-36157	-23044	QP 2	-26.5	Si
-131	1774	-33093	-23113	QP 2	-26.2	Si
-162	2369	-30029	-23182	QP 2	-25.9	Si
-193	2964	-26965	-23251	QP 2	-25.5	Si
-224	3559	-23901	-23320	QP 2	-25.2	Si
-254	4154	-20837	-23389	QP 2	-24.8	Si
-285	4749	-17773	-23458	QP 2	-24.5	Si
-316	5344	-14709	-23527	QP 2	-24.1	Si
-346	5940	-11636	-23597	QP 2	-23.8	Si

Pilastrata 39

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
57	18.1	0.9	0	2,3,4	167409	-95679	-37876	922897	-527461	LU 18	5.513	Si
80	18.1	0.9	0	2,3,4	159254	-104551	-37722	885213	-581148	LU 18	5.559	Si
20	18.1	1.8	0	1,2,3,4	163703	-84819	-37697	915410	-474298	LU 18	5.592	Si
50	18.1	1.8	0	1,2,3,4	166135	-84371	-37498	929712	-472150	LU 18	5.596	Si
110	18.1	0.9	0	2,3,4	148016	-110897	-37645	831948	-623314	LU 18	5.621	Si
140	18.1	0.9	0	2,3,4	132687	-105973	-37065	771821	-616430	LU 18	5.817	Si
-10	18.1	1.8	0	1,2,3,4	135380	114908	-36275	791093	671467	LU 18	5.843	Si
170	18.1	0.9	0	2,3,4	118726	-102169	-36870	707297	-608664	LU 18	5.957	Si
200	18.1	0.9	0	2,3,4	102210	-90573	-36184	636976	-564455	LU 18	6.232	Si
230	18.1	0.9	0	2,3,4	83827	-79842	-35485	535335	-509890	LU 18	6.386	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
260	18.1	0.9	0	2,3,4	77891	-77891	-34618	509890	-509890	LU 18	6.546	Si
290	18.1	0.9	0	2,3,4	77453	-77453	-34424	509890	-509890	LU 18	6.583	Si
320	18.1	0.9	0	2,3,4	-74475	-88757	-33100	-509890	-607666	LU 18	6.846	Si
770	18.1	1.1	0	5	-29355	193029	-14678	-204811	1346767	LU 17	6.977	Si
350	18.1	0.9	0	2,3,4	-70752	-108171	-31446	-496775	-759502	LU 18	7.021	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-10	2X/2Y ø6/23.9	-4798	-36275	LU 18	11168	4223	37562	2.5	2.33	891	-36275	LU 18	11168	4223	37562	2.5	12.54	Si
350	2X/2Y ø6/23.9	-1275	-29400	LU 17	10258	4223	36621	2.5	8.04	-2004	-30120	LU 11	10354	4223	36719	2.5	5.17	Si
50	2X/2Y ø6/23.9	-1588	-37498	LU 18	11330	4223	37729	2.5	7.14	87	-32947	LU 10	10728	4223	37106	2.5	123.11	Si
20	2X/2Y ø6/23.9	-1588	-37697	LU 18	11356	4223	37757	2.5	7.15	87	-33146	LU 10	10754	4223	37134	2.5	123.41	Si
770	2X/2Y ø6/24.8	800	-14678	LU 17	7073	3562	27301	2.5	8.85	-63	-9794	LU 2	6438	3562	26643	2.5	103	Si
741	2X/2Y ø6/24.8	800	-14827	LU 17	7093	3562	27321	2.5	8.87	-63	-9909	LU 2	6453	3562	26659	2.5	103.23	Si
320	2X/2Y ø6/23.9	-831	-30979	LU 17	10467	4223	36837	2.5	12.6	-1191	-31854	LU 11	10583	4223	36957	2.5	8.89	Si
712	2X/2Y ø6/24.8	800	-14978	LU 17	7112	3562	27341	2.5	8.9	-63	-10026	LU 2	6468	3562	26675	2.5	103.48	Si
683	2X/2Y ø6/24.8	800	-15130	LU 17	7132	3562	27362	2.5	8.92	-63	-10142	LU 2	6483	3562	26690	2.5	103.72	Si
653	2X/2Y ø6/24.8	800	-15282	LU 17	7152	3562	27382	2.5	8.95	-63	-10259	LU 2	6498	3562	26706	2.5	103.96	Si
624	2X/2Y ø6/24.8	800	-15433	LU 17	7172	3562	27403	2.5	8.97	-63	-10376	LU 2	6514	3562	26722	2.5	104.21	Si
595	2X/2Y ø6/24.8	800	-15585	LU 17	7191	3562	27423	2.5	8.99	-63	-10492	LU 2	6529	3562	26737	2.5	104.45	Si
566	2X/2Y ø6/24.8	800	-15737	LU 17	7211	3562	27443	2.5	9.02	-63	-10609	LU 2	6544	3562	26753	2.5	104.69	Si
537	2X/2Y ø6/24.8	800	-15888	LU 17	7231	3562	27464	2.5	9.04	-63	-10726	LU 2	6559	3562	26769	2.5	104.93	Si
508	2X/2Y ø6/24.8	800	-16040	LU 17	7251	3562	27484	2.5	9.07	-63	-10842	LU 2	6574	3562	26785	2.5	105.18	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
57	126812	-73630	-28668	RA 9	-23.2	126812	-73630	-28668	RA 9	-309.8	Si
80	120618	-80041	-28550	RA 9	-23.1	120618	-80041	-28550	RA 9	-309.2	Si
110	112082	-84432	-28494	RA 9	-22.9	112082	-84432	-28494	RA 9	-306.3	Si
50	125848	-62433	-28378	RA 9	-21.8	125848	-62433	-28378	RA 9	-300.5	Si
-10	102378	86611	-27448	RA 9	-22	102378	86611	-27448	RA 9	-294.8	Si
140	100425	-80182	-28052	RA 9	-21.8	100425	-80182	-28052	RA 9	-293.6	Si
170	89823	-76757	-27901	RA 9	-21	89823	-76757	-27901	RA 9	-284.1	Si
20	123957	-26081	-28531	RA 9	-20.4	123957	-26081	-28531	RA 9	-278.1	Si
200	77305	-67501	-27382	RA 9	-19.6	77305	-67501	-27382	RA 9	-267.4	Si
230	63386	-58805	-26851	RA 9	-18.2	63386	-58805	-26851	RA 9	-250.1	Si
350	-46972	-80756	-23753	RA 9	-17.2	-46972	-80756	-23753	RA 9	-233.2	Si
770	-9700	142314	-11051	RA 8	-17.1	-9700	142314	-11051	RA 8	-211.8	Si
260	46567	-52466	-26188	RA 9	-16.7	46567	-52466	-26188	RA 9	-231.6	Si
290	30520	-55935	-26038	RA 9	-15.9	30520	-55935	-26038	RA 9	-222.9	Si
741	-9621	125429	-11166	RA 8	-15.9	-9621	125429	-11166	RA 8	-199	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
57	117203	-73285	-26352	QP 2	-21.6	Si
80	111456	-77832	-26233	QP 2	-21.5	Si
110	103468	-80005	-26180	QP 2	-21.2	Si
50	116363	-62780	-26072	QP 2	-20.9	Si
-10	93851	78053	-25207	QP 2	-20.1	Si
140	92508	-73765	-25751	QP 2	-20.1	Si
170	82675	-68251	-25601	QP 2	-19.2	Si
20	114339	-29404	-26225	QP 2	-19.1	Si
200	71070	-57565	-25110	QP 2	-17.8	Si
230	58166	-47816	-24595	QP 2	-16.4	Si
350	-44835	-65741	-21506	QP 2	-15.3	Si
260	42530	-40743	-23941	QP 2	-14.9	Si
290	27956	-43575	-23792	QP 2	-14.2	Si
770	-8510	102210	-9495	QP 1	-13.2	Si
320	-1757	-52531	-22778	QP 2	-12.8	Si

Pilastrata 40

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 14.8, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 14.8 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometriche

L'appoggio -22 ha ampiezza nulla.

Anomalie quantitativo di acciaio

Sezione a quota -16 in Campata da -22 a 408, percentuale acciaio = 0.087% < 0.3%.
Sezione a quota -10 in Campata da -22 a 408, percentuale acciaio = 0.174% < 0.3%.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	569521	52427	-12280	866806	79793	LU 11	1.522	Si
449	18.1	2.3	0	2,3,4,5	500345	49723	-12131	917691	91197	LU 11	1.834	Si
478	18.1	2.3	0	2,3,4,5	429962	46971	-11979	990389	108196	LU 11	2.303	Si
508	18.1	1.1	0	5	359579	44220	-11828	1085840	133534	LU 11	3.02	Si
537	18.1	1.1	0	5	289197	41469	-11676	1212679	173891	LU 11	4.193	Si
770	18.1	1.1	0	5	-283192	21703	-10852	-1210720	92788	LU 12	4.275	Si
-22	0	0.9	0	1	-73506	-73506	-32669	-428591	-428591	LU 18	5.831	Si
-17	1.47	0.9	0	1	-73424	-73424	-32633	-435192	-435192	LU 18	5.927	Si
566	18.1	1.1	0	5	218814	38718	-11524	1327110	234825	LU 11	6.065	Si
741	18.1	1.1	0	5	-222850	23843	-11921	-1382850	147950	LU 18	6.205	Si
14	17.38	1.8	0	1,2,3,4	-72979	72979	-32435	-506695	506695	LU 18	6.943	Si
44	18.1	1.8	0	1,2,3,4	-72526	72526	-32234	-509890	509890	LU 18	7.03	Si
75	18.1	0.9	0	2,3,4	72068	72068	-32030	509890	509890	LU 18	7.075	Si
105	18.1	0.9	0	2,3,4	71620	71620	-31831	509890	509890	LU 18	7.119	Si
136	18.1	0.9	0	2,3,4	71167	71167	-31630	509890	509890	LU 18	7.165	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-95	-10541	LU 10	6535	3562	26744	2.5	68.44	-2459	-10852	LU 12	6575	3562	26786	2.5	2.67	Si
741	2X/2Y ø6/24.8	-95	-10690	LU 10	6554	3562	26764	2.5	68.64	-2459	-11001	LU 12	6595	3562	26806	2.5	2.68	Si
712	2X/2Y ø6/24.8	-95	-10842	LU 10	6574	3562	26784	2.5	68.85	-2459	-11152	LU 12	6615	3562	26826	2.5	2.69	Si
683	2X/2Y ø6/24.8	-95	-10994	LU 10	6594	3562	26805	2.5	69.06	-2459	-11304	LU 12	6634	3562	26847	2.5	2.7	Si
653	2X/2Y ø6/24.8	-95	-11145	LU 10	6614	3562	26825	2.5	69.26	-2459	-11456	LU 12	6654	3562	26867	2.5	2.71	Si
624	2X/2Y ø6/24.8	-95	-11297	LU 10	6633	3562	26846	2.5	69.47	-2459	-11607	LU 12	6674	3562	26888	2.5	2.71	Si
595	2X/2Y ø6/24.8	-95	-11449	LU 10	6653	3562	26866	2.5	69.68	-2459	-11759	LU 12	6694	3562	26908	2.5	2.72	Si
566	2X/2Y ø6/24.8	-95	-11600	LU 10	6673	3562	26887	2.5	69.88	-2459	-11911	LU 12	6713	3562	26928	2.5	2.73	Si
537	2X/2Y ø6/24.8	-95	-11752	LU 10	6693	3562	26907	2.5	70.09	-2459	-12062	LU 12	6733	3562	26949	2.5	2.74	Si
508	2X/2Y ø6/24.8	-95	-11904	LU 10	6712	3562	26927	2.5	70.3	-2459	-12214	LU 12	6753	3562	26969	2.5	2.75	Si
478	2X/2Y ø6/24.8	-95	-12055	LU 10	6732	3562	26948	2.5	70.51	-2459	-12366	LU 12	6772	3562	26990	2.5	2.75	Si
449	2X/2Y ø6/24.8	-95	-12207	LU 10	6752	3562	26968	2.5	70.71	-2459	-12517	LU 12	6792	3562	27010	2.5	2.76	Si
420	2X/2Y ø6/24.8	-95	-12356	LU 10	6771	3562	26988	2.5	70.91	-2459	-12666	LU 12	6812	3562	27030	2.5	2.77	Si
350	2X/2Y ø6/23.9	72	-26989	LU 10	9939	4223	36291	2.5	138.31	206	-28213	LU 17	10101	4223	36458	2.5	48.92	Si
319	2X/2Y ø6/23.9	72	-27187	LU 10	9966	4223	36318	2.5	138.68	207	-28411	LU 17	10127	4223	36485	2.5	49.03	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	427152	40478	-9712	RA 3	-56.5	427152	40478	-9712	RA 3	1112.5	Si
449	374582	38404	-9597	RA 3	-50	371864	38204	-9339	RA 2	930.3	Si
478	321094	36293	-9480	RA 3	-43.4	319264	36085	-9223	RA 2	746.4	Si
508	267607	34182	-9364	RA 3	-36.7	266664	33965	-9106	RA 2	564.5	Si
537	214120	32071	-9247	RA 3	-29.9	214063	31845	-8989	RA 2	386.7	Si
770	-218340	15680	-8929	RA 9	-28.3	-212859	15222	-8316	RA 3	385.5	Si
566	160633	29961	-9130	RA 3	-18.9	160633	29961	-9130	RA 3	-227.7	Si
741	-167050	17762	-9044	RA 9	-18.4	-167050	17762	-9044	RA 9	-222.3	Si
712	-114867	19880	-9161	RA 9	-14.8	-114867	19880	-9161	RA 9	-182.7	Si
595	107146	27850	-9014	RA 3	-14.7	107146	27850	-9014	RA 3	-181.7	Si
-22	-10591	-1238	-24778	RA 3	-13	0	0	0		0	Si
350	49105	17826	-21577	RA 8	-13	49105	17826	-21577	RA 8	-181.9	Si
-17	-10099	-943	-24750	RA 3	-12.8	-10099	-943	-24750	RA 3	-189.5	Si
319	44393	16256	-21729	RA 8	-12.7	44393	16256	-21729	RA 8	-179	Si
289	39601	14661	-21884	RA 8	-11.8	26287	14834	-23225	RA 9	-176.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	357451	40103	-9489	QP 2	-48.3	Si
449	312640	38005	-9375	QP 2	-42.6	Si
478	267048	35869	-9258	QP 2	-36.9	Si
508	221456	33734	-9141	QP 2	-31	Si
770	-188091	14551	-8093	QP 2	-24.5	Si
537	175864	31598	-9025	QP 2	-20.1	Si
566	130272	29463	-8908	QP 2	-16.5	Si
741	-143281	16649	-8208	QP 2	-16.1	Si
712	-97689	18785	-8325	QP 2	-13	Si
595	84680	27327	-8791	QP 2	-12.9	Si
350	43337	18880	-20761	QP 1	-11.8	Si
-22	-9933	-1540	-23216	QP 2	-12.2	Si
319	39061	17217	-20913	QP 1	-12.1	Si
-17	-9242	-1237	-23188	QP 2	-12	Si
289	34712	15526	-21068	QP 1	-11.9	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm

Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	376340	40156	-9479	FR 2	333532	35588	35588	942.7	363.4	0.0249	48.37	0.0133	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	357451	40103	-9489	QP 2	335124	37599	37599	875.1	361.5	0.025	48.29	0.0123	Si	Si

Pilastrata 41

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 14.8, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 14.8 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometriche

L'appoggio -22 ha ampiezza nulla.

Anomalie quantitativo di acciaio

Sezione a quota -16 in Campata da -22 a 408, percentuale acciaio = 0.087% < 0.3%.
Sezione a quota -10 in Campata da -22 a 408, percentuale acciaio = 0.174% < 0.3%.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	430211	67689	-10542	917208	144312	LU 12	2.132	Si
449	18.1	2.3	0	2,3,4,5	375244	63738	-10020	954940	162203	LU 11	2.545	Si
478	18.1	2.3	0	2,3,4,5	324639	60022	-9869	1018466	188304	LU 11	3.137	Si
508	18.1	1.1	0	5	274034	56307	-9717	1096446	225293	LU 11	4.001	Si
537	18.1	1.1	0	5	223428	52592	-9565	1186458	279276	LU 11	5.31	Si
-22	0	0.9	0	1	-67898	-67898	-30177	-428591	-428591	LU 18	6.312	Si
-17	1.47	0.9	0	1	-67817	-67817	-30141	-435192	-435192	LU 18	6.417	Si
770	18.1	1.1	0	5	-201958	25622	-9671	-1324021	167973	LU 18	6.556	Si
566	18.1	1.1	0	5	172823	48877	-9414	1238000	350124	LU 11	7.163	Si
14	17.38	1.8	0	1,2,3,4	-67371	67371	-29943	-506695	506695	LU 18	7.521	Si
44	18.1	1.8	0	1,2,3,4	-66919	66919	-29742	-509890	509890	LU 18	7.62	Si
75	18.1	0.9	0	2,3,4	-66461	66461	-29538	-509890	509890	LU 18	7.672	Si
105	18.1	0.9	0	2,3,4	66013	66013	-29339	509890	509890	LU 18	7.724	Si
136	18.1	0.9	0	2,3,4	65560	65560	-29138	509890	509890	LU 18	7.777	Si
167	18.1	0.9	0	2,3,4	65107	65107	-28936	509890	509890	LU 18	7.832	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-127	-8354	LU 11	6251	3562	26450	2.5	49.07	-1780	-8728	LU 12	6299	3562	26500	2.5	3.54	Si
741	2X/2Y ø6/24.8	-127	-8504	LU 11	6270	3562	26470	2.5	49.22	-1780	-8877	LU 12	6318	3562	26520	2.5	3.55	Si
712	2X/2Y ø6/24.8	-127	-8655	LU 11	6290	3562	26490	2.5	49.38	-1780	-9028	LU 12	6338	3562	26540	2.5	3.56	Si
683	2X/2Y ø6/24.8	-127	-8807	LU 11	6309	3562	26511	2.5	49.53	-1780	-9180	LU 12	6358	3562	26561	2.5	3.57	Si
653	2X/2Y ø6/24.8	-127	-8959	LU 11	6329	3562	26531	2.5	49.69	-1780	-9332	LU 12	6378	3562	26581	2.5	3.58	Si
624	2X/2Y ø6/24.8	-127	-9110	LU 11	6349	3562	26551	2.5	49.84	-1780	-9483	LU 12	6397	3562	26602	2.5	3.59	Si
595	2X/2Y ø6/24.8	-127	-9262	LU 11	6369	3562	26572	2.5	50	-1780	-9635	LU 12	6417	3562	26622	2.5	3.6	Si
566	2X/2Y ø6/24.8	-127	-9414	LU 11	6388	3562	26592	2.5	50.15	-1780	-9787	LU 12	6437	3562	26642	2.5	3.62	Si
537	2X/2Y ø6/24.8	-127	-9565	LU 11	6408	3562	26613	2.5	50.31	-1780	-9938	LU 12	6457	3562	26663	2.5	3.63	Si
508	2X/2Y ø6/24.8	-127	-9717	LU 11	6428	3562	26633	2.5	50.46	-1780	-10090	LU 12	6476	3562	26683	2.5	3.64	Si
478	2X/2Y ø6/24.8	-127	-9869	LU 11	6448	3562	26653	2.5	50.62	-1780	-10242	LU 12	6496	3562	26704	2.5	3.65	Si
449	2X/2Y ø6/24.8	-127	-10020	LU 11	6467	3562	26674	2.5	50.77	-1780	-10393	LU 12	6516	3562	26724	2.5	3.66	Si
420	2X/2Y ø6/24.8	-127	-10169	LU 11	6487	3562	26694	2.5	50.92	-1780	-10542	LU 12	6535	3562	26744	2.5	3.67	Si
350	2X/2Y ø6/23.9	124	-27388	LU 11	9992	4223	36345	2.5	80.53	275	-25878	LU 17	9792	4223	36139	2.5	35.62	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
319	2X/2Y ø6/23.9	124	-27586	LU 11	10018	4223	36372	2.5	80.74	275	-26076	LU 17	9818	4223	36166	2.5	35.7	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	317014	51702	-8098	RA 3	-45.1	317014	51702	-8098	RA 3	819.6	Si
449	279252	48952	-7983	RA 3	-40.2	276631	48711	-7734	RA 2	689	Si
478	240831	46155	-7866	RA 3	-35.1	239091	45871	-7618	RA 2	557.5	Si
508	202409	43358	-7750	RA 3	-30	201551	43031	-7501	RA 2	427.7	Si
537	163988	40560	-7633	RA 3	-24.8	164010	40190	-7384	RA 2	301.2	Si
770	-149944	19310	-7331	RA 9	-16.4	-149944	19310	-7331	RA 9	-196	Si
566	125567	37763	-7516	RA 3	-16	125567	37763	-7516	RA 3	-192.7	Si
741	-113112	21968	-7445	RA 9	-13.9	-113112	21968	-7445	RA 9	-169.2	Si
350	62649	30172	-19789	RA 8	-13.6	62649	30172	-19789	RA 8	-186	Si
319	56349	27596	-19942	RA 8	-13.2	41952	29130	-21178	RA 9	-181.8	Si
595	87146	34966	-7400	RA 3	-12.9	87146	34966	-7400	RA 3	-158.3	Si
289	49943	24978	-20096	RA 8	-12.7	36731	26384	-21333	RA 9	-177.9	Si
-22	-17089	-1547	-22880	RA 3	-12.5	0	0	0		0	Si
258	43535	22359	-20251	RA 8	-12.3	31509	23638	-21487	RA 9	-174.1	Si
-17	-16292	-1033	-22852	RA 3	-12.3	-16292	-1033	-22852	RA 3	-180.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	252646	49974	-7969	QP 2	-37.1	Si
449	221950	47262	-7854	QP 2	-32.9	Si
478	190720	44503	-7737	QP 2	-28.7	Si
508	159489	41744	-7621	QP 2	-24.4	Si
537	128258	38985	-7504	QP 2	-16.3	Si
566	97027	36226	-7387	QP 2	-13.7	Si
770	-121053	16960	-6573	QP 2	-13.7	Si
350	57304	31169	-19030	QP 1	-13	Si
319	51415	28504	-19183	QP 1	-12.6	Si
289	45426	25795	-19337	QP 1	-12.2	Si
258	39435	23085	-19492	QP 1	-11.8	Si
-22	-16038	-1693	-21441	QP 2	-11.8	Si
741	-90358	19671	-6687	QP 2	-11.7	Si
-17	-15049	-1196	-21413	QP 2	-11.5	Si
228	28799	20871	-20177	QP 2	-11.4	Si

Pilastrata 42

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -57.2 a -34, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -22, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-623837	-73501	-32667	-1843627	-217216	LU 12	2.955	Si
20	18.1	1.8	0	1,2,3,4	-546340	-73069	-32475	-1851571	-247636	LU 12	3.389	Si
50	18.1	1.8	0	1,2,3,4	-465453	72619	-32275	-1808043	282089	LU 12	3.884	Si
80	18.1	0.9	0	2,3,4	-385598	72175	-32078	-1712424	320527	LU 12	4.441	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-259016	53584	-10480	-1172937	242652	LU 11	4.528	Si
350	18.1	0.9	0	2,3,4	331663	68185	-30304	1649186	339046	LU 12	4.972	Si
110	18.1	0.9	0	2,3,4	-305746	71731	-31880	-1543756	362180	LU 12	5.049	Si
449	18.1	2.3	0	2,3,4,5	-220591	50198	-10331	-1238360	281803	LU 11	5.614	Si
320	18.1	0.9	0	2,3,4	253158	68621	-30498	1426330	386622	LU 12	5.634	Si
140	18.1	0.9	0	2,3,4	-225896	71287	-31683	-1300449	410387	LU 12	5.757	Si
770	18.1	1.1	0	5	208786	17331	-8665	1263697	104897	LU 11	6.053	Si
290	18.1	0.9	0	2,3,4	173321	69066	-30696	1111700	442993	LU 12	6.414	Si
170	18.1	0.9	0	2,3,4	-146048	70843	-31486	-962995	467113	LU 12	6.594	Si
478	18.1	2.3	0	2,3,4,5	-181496	46753	-10180	-1269182	326938	LU 11	6.993	Si
200	18.1	0.9	0	2,3,4	-70938	70938	-31528	-509890	509890	LU 18	7.188	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	80	-30028	LU 11	10341	4223	36707	2.5	129.09	2661	-30304	LU 12	10378	4223	36744	2.5	3.9	Si
320	2X/2Y ø6/23.9	80	-30222	LU 11	10367	4223	36733	2.5	129.41	2661	-30498	LU 12	10404	4223	36771	2.5	3.91	Si
290	2X/2Y ø6/23.9	80	-30419	LU 11	10393	4223	36760	2.5	129.74	2661	-30696	LU 12	10430	4223	36798	2.5	3.92	Si
260	2X/2Y ø6/23.9	80	-30617	LU 11	10419	4223	36787	2.5	130.06	2661	-30893	LU 12	10456	4223	36825	2.5	3.93	Si
230	2X/2Y ø6/23.9	80	-30814	LU 11	10446	4223	36814	2.5	130.39	2661	-31091	LU 12	10482	4223	36852	2.5	3.94	Si
200	2X/2Y ø6/23.9	80	-31012	LU 11	10472	4223	36841	2.5	130.72	2661	-31289	LU 12	10508	4223	36879	2.5	3.95	Si
170	2X/2Y ø6/23.9	80	-31209	LU 11	10498	4223	36868	2.5	131.04	2662	-31486	LU 12	10534	4223	36906	2.5	3.96	Si
140	2X/2Y ø6/23.9	80	-31406	LU 11	10524	4223	36895	2.5	131.37	2662	-31683	LU 12	10560	4223	36933	2.5	3.97	Si
110	2X/2Y ø6/23.9	80	-31604	LU 11	10550	4223	36922	2.5	131.69	2662	-31880	LU 12	10587	4223	36960	2.5	3.98	Si
80	2X/2Y ø6/23.9	80	-31801	LU 11	10576	4223	36949	2.5	132.02	2662	-32078	LU 12	10613	4223	36987	2.5	3.99	Si
50	2X/2Y ø6/23.9	80	-31999	LU 11	10602	4223	36976	2.5	132.35	2662	-32275	LU 12	10639	4223	37014	2.5	4	Si
20	2X/2Y ø6/23.9	80	-32199	LU 11	10629	4223	37004	2.5	132.68	2662	-32475	LU 12	10665	4223	37042	2.5	4.01	Si
-10	2X/2Y ø6/23.9	80	-32390	LU 11	10654	4223	37030	2.5	132.99	2662	-32667	LU 12	10691	4223	37068	2.5	4.02	Si
770	2X/2Y ø6/24.8	-118	-8665	LU 11	6291	3562	26491	2.5	53.26	1340	-8665	LU 11	6291	3562	26491	2.5	4.69	Si
741	2X/2Y ø6/24.8	-118	-8815	LU 11	6310	3562	26512	2.5	53.42	1340	-8815	LU 11	6310	3562	26512	2.5	4.71	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	-473105	-2263	-24833	RA 3	-42.5	-473105	-2263	-24833	RA 3	-501.9	Si
20	-414277	-515	-24685	RA 3	-37.1	-414277	-515	-24685	RA 3	-449.2	Si
50	-352875	1310	-24531	RA 3	-29.6	-352875	1310	-24531	RA 3	-376.8	Si
420	-198126	40898	-8035	RA 2	-29.1	-198126	40898	-8035	RA 2	388.8	Si
80	-292258	3111	-24379	RA 3	-26.4	-292258	3111	-24379	RA 3	-339.8	Si
449	-168785	38320	-7920	RA 2	-25.1	-168785	38320	-7920	RA 2	291.7	Si
350	252216	19290	-23015	RA 3	-24.5	252216	19290	-23015	RA 3	-316.3	Si
110	-231642	4912	-24228	RA 3	-23.2	-231642	4912	-24228	RA 3	-302.9	Si
320	192623	17519	-23164	RA 3	-21.3	192623	17519	-23164	RA 3	-279.8	Si
140	-171027	6713	-24076	RA 3	-20	-171027	6713	-24076	RA 3	-265.9	Si
290	132019	15718	-23316	RA 3	-18	132019	15718	-23316	RA 3	-242.6	Si
478	-138788	35868	-7963	RA 3	-17.1	-138788	35868	-7963	RA 3	-205.4	Si
170	-110415	8514	-23924	RA 3	-16.8	-110415	8514	-23924	RA 3	-229	Si
770	157818	10341	-6798	RA 3	-16	157818	10341	-6798	RA 3	-190.8	Si
260	71413	13917	-23468	RA 3	-14.8	71413	13917	-23468	RA 3	-205.5	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	-441668	-2053	-23431	QP 2	-39.7	Si
20	-386496	-377	-23284	QP 2	-30.8	Si
420	-193044	39439	-7913	QP 2	-28.3	Si
50	-328912	1372	-23130	QP 2	-27.7	Si
80	-272062	3098	-22978	QP 2	-24.7	Si
449	-164685	36983	-7798	QP 2	-24.4	Si
350	238560	18610	-21614	QP 2	-23.1	Si
110	-215214	4825	-22826	QP 2	-21.7	Si
320	182673	16912	-21763	QP 2	-20.1	Si
140	-158368	6552	-22674	QP 2	-18.7	Si
290	125837	15185	-21915	QP 2	-17.1	Si
478	-135831	34485	-7681	QP 2	-16.6	Si
170	-101524	8278	-22522	QP 2	-15.7	Si
770	152215	9543	-6517	QP 2	-15.4	Si
508	-106977	31986	-7565	QP 2	-14.3	Si

Pilastrata 43

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 14.8, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 14.8 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometriche

L'appoggio -22 ha ampiezza nulla.

Anomalie quantitativo di acciaio

Sezione a quota -16 in Campata da -22 a 408, percentuale acciaio = 0.087% < 0.3%.
Sezione a quota -10 in Campata da -22 a 408, percentuale acciaio = 0.174% < 0.3%.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	352109	39968	-10325	1018515	115613	LU 12	2.893	Si
449	18.1	2.3	0	2,3,4,5	311954	38183	-10176	1080873	132298	LU 12	3.465	Si
478	18.1	2.3	0	2,3,4,5	267712	35948	-9632	1139663	153034	LU 11	4.257	Si
508	18.1	1.1	0	5	228369	34071	-9480	1225792	182879	LU 11	5.368	Si
-22	0	0.9	0	1	-65237	65237	-28994	-428591	428591	LU 18	6.57	Si
-17	1.47	0.9	0	1	-65155	65155	-28958	-435192	435192	LU 18	6.679	Si
537	18.1	1.1	0	5	189025	32193	-9329	1309127	222961	LU 11	6.926	Si
14	17.38	1.8	0	1,2,3,4	-64710	64710	-28760	-506695	506695	LU 18	7.83	Si
44	18.1	1.8	0	1,2,3,4	64257	64257	-28559	509890	509890	LU 18	7.935	Si
75	18.1	0.9	0	2,3,4	63799	63799	-28355	509890	509890	LU 18	7.992	Si
105	18.1	0.9	0	2,3,4	63351	63351	-28156	509890	509890	LU 18	8.049	Si
136	18.1	0.9	0	2,3,4	62898	62898	-27955	509890	509890	LU 18	8.107	Si
167	18.1	0.9	0	2,3,4	62445	62445	-27753	509890	509890	LU 18	8.165	Si
197	18.1	0.9	0	2,3,4	61992	61992	-27552	509890	509890	LU 18	8.225	Si
228	18.1	0.9	0	2,3,4	61539	61539	-27351	509890	509890	LU 18	8.286	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-64	-8118	LU 11	6220	3562	26418	2.5	96.62	-1401	-8510	LU 12	6271	3562	26471	2.5	4.48	Si
741	2X/2Y ø6/24.8	-64	-8267	LU 11	6239	3562	26438	2.5	96.92	-1401	-8660	LU 12	6290	3562	26491	2.5	4.49	Si
712	2X/2Y ø6/24.8	-64	-8419	LU 11	6259	3562	26458	2.5	97.23	-1401	-8811	LU 12	6310	3562	26511	2.5	4.5	Si
683	2X/2Y ø6/24.8	-64	-8570	LU 11	6279	3562	26479	2.5	97.54	-1401	-8963	LU 12	6330	3562	26532	2.5	4.52	Si
653	2X/2Y ø6/24.8	-64	-8722	LU 11	6298	3562	26499	2.5	97.84	-1401	-9115	LU 12	6349	3562	26552	2.5	4.53	Si
624	2X/2Y ø6/24.8	-64	-8874	LU 11	6318	3562	26520	2.5	98.15	-1401	-9266	LU 12	6369	3562	26572	2.5	4.55	Si
595	2X/2Y ø6/24.8	-64	-9025	LU 11	6338	3562	26540	2.5	98.46	-1401	-9418	LU 12	6389	3562	26593	2.5	4.56	Si
566	2X/2Y ø6/24.8	-64	-9177	LU 11	6358	3562	26560	2.5	98.76	-1401	-9570	LU 12	6409	3562	26613	2.5	4.58	Si
537	2X/2Y ø6/24.8	-64	-9329	LU 11	6377	3562	26581	2.5	99.07	-1401	-9721	LU 12	6428	3562	26634	2.5	4.59	Si
508	2X/2Y ø6/24.8	-64	-9480	LU 11	6397	3562	26601	2.5	99.38	-1401	-9873	LU 12	6448	3562	26654	2.5	4.6	Si
478	2X/2Y ø6/24.8	-64	-9632	LU 11	6417	3562	26622	2.5	99.68	-1401	-10025	LU 12	6468	3562	26674	2.5	4.62	Si
449	2X/2Y ø6/24.8	-64	-9784	LU 11	6436	3562	26642	2.5	99.99	-1401	-10176	LU 12	6488	3562	26695	2.5	4.63	Si
420	2X/2Y ø6/24.8	-64	-9933	LU 11	6456	3562	26662	2.5	100.29	-1401	-10325	LU 12	6507	3562	26715	2.5	4.65	Si
350	2X/2Y ø6/23.9	37	-26230	LU 11	9839	4223	36187	2.5	263.09	349	-24547	LU 17	9616	4223	35956	2.5	27.55	Si
319	2X/2Y ø6/23.9	37	-26428	LU 11	9865	4223	36214	2.5	263.79	349	-24745	LU 17	9642	4223	35983	2.5	27.62	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	255153	30559	-7922	RA 3	-34.7	255153	30559	-7922	RA 3	573.4	Si
449	225991	29184	-7807	RA 3	-31	222726	28946	-7546	RA 2	475.2	Si
478	196321	27785	-7691	RA 3	-27.2	194064	27507	-7429	RA 2	379.4	Si
508	166651	26387	-7574	RA 3	-18.2	166651	26387	-7574	RA 3	-217.2	Si
537	136980	24988	-7457	RA 3	-15.9	136980	24988	-7457	RA 3	-191.1	Si
566	107310	23589	-7341	RA 3	-13.5	107310	23589	-7341	RA 3	-165	Si
350	88878	10636	-18762	RA 8	-13.5	88878	10636	-18762	RA 8	-183.4	Si
319	80864	9917	-18914	RA 8	-13.1	66098	10580	-20249	RA 9	-179.1	Si
770	-107442	14976	-7173	RA 9	-12.8	-107442	14976	-7173	RA 9	-156.7	Si
289	72715	9187	-19069	RA 8	-12.7	59184	9812	-20403	RA 9	-175.5	Si
258	64564	8456	-19224	RA 8	-12.3	52267	9044	-20558	RA 9	-171.8	Si
228	45351	8276	-20713	RA 9	-11.9	45351	8276	-20713	RA 9	-168.1	Si
-22	-11788	2028	-21975	RA 3	-11.8	0	0	0		0	Si
-17	-10690	2179	-21947	RA 3	-11.6	-10690	2179	-21947	RA 3	-170.4	Si
197	38428	7508	-20868	RA 9	-11.5	38428	7508	-20868	RA 9	-164.4	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	182438	29655	-7750	QP 2	-25.8	Si
449	161433	28262	-7635	QP 2	-18	Si
478	140061	26844	-7519	QP 2	-16.3	Si
508	118690	25427	-7402	QP 2	-14.6	Si
350	83467	11579	-17977	QP 1	-12.9	Si
537	97318	24010	-7285	QP 2	-12.8	Si
319	75868	10774	-18129	QP 1	-12.5	Si
289	68140	9956	-18284	QP 1	-12.1	Si
258	60410	9138	-18439	QP 1	-11.7	Si
228	47940	8556	-19166	QP 2	-11.4	Si
566	75947	22592	-7169	QP 2	-11.1	Si
197	40733	7722	-19320	QP 2	-11	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
-22	-10925	1747	-20430	QP 2	-10.9	Si
-17	-9627	1897	-20402	QP 2	-10.7	Si
167	33527	6888	-19475	QP 2	-10.6	Si

Pilastrata 44

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 14.8, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 14.8 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometriche

L'appoggio -22 ha ampiezza nulla.

Anomalie quantitativo di acciaio

Sezione a quota -16 in Campata da -22 a 408, percentuale acciaio = 0.087% < 0.3%.
Sezione a quota -10 in Campata da -22 a 408, percentuale acciaio = 0.174% < 0.3%.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	345433	46238	-10375	1028324	137647	LU 12	2.977	Si
449	18.1	2.3	0	2,3,4,5	306330	44413	-10226	1086894	157584	LU 12	3.548	Si
478	18.1	2.3	0	2,3,4,5	263213	42072	-9681	1141809	182506	LU 11	4.338	Si
508	18.1	1.1	0	5	224930	40094	-9530	1220284	217517	LU 11	5.425	Si
-22	0	0.9	0	1	-66654	66654	-29624	-428591	428591	LU 18	6.43	Si
-17	1.47	0.9	0	1	-66572	66572	-29588	-435192	435192	LU 18	6.537	Si
537	18.1	1.1	0	5	186646	38116	-9378	1289029	263240	LU 11	6.906	Si
14	17.38	1.8	0	1,2,3,4	-66127	66127	-29390	-506695	506695	LU 18	7.662	Si
44	18.1	1.8	0	1,2,3,4	65674	65674	-29188	509890	509890	LU 18	7.764	Si
75	18.1	0.9	0	2,3,4	65216	65216	-28985	509890	509890	LU 18	7.819	Si
105	18.1	0.9	0	2,3,4	64768	64768	-28786	509890	509890	LU 18	7.873	Si
136	18.1	0.9	0	2,3,4	64315	64315	-28585	509890	509890	LU 18	7.928	Si
167	18.1	0.9	0	2,3,4	63862	63862	-28383	509890	509890	LU 18	7.984	Si
197	18.1	0.9	0	2,3,4	63409	63409	-28182	509890	509890	LU 18	8.041	Si
228	18.1	0.9	0	2,3,4	62956	62956	-27981	509890	509890	LU 18	8.099	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-68	-8167	LU 11	6226	3562	26424	2.5	91.82	-1364	-8560	LU 12	6277	3562	26477	2.5	4.6	Si
741	2X/2Y ø6/24.8	-68	-8316	LU 11	6246	3562	26445	2.5	92.1	-1364	-8709	LU 12	6297	3562	26497	2.5	4.62	Si
712	2X/2Y ø6/24.8	-68	-8468	LU 11	6265	3562	26465	2.5	92.39	-1364	-8861	LU 12	6316	3562	26518	2.5	4.63	Si
683	2X/2Y ø6/24.8	-68	-8620	LU 11	6285	3562	26485	2.5	92.69	-1364	-9013	LU 12	6336	3562	26538	2.5	4.65	Si
653	2X/2Y ø6/24.8	-68	-8771	LU 11	6305	3562	26506	2.5	92.98	-1364	-9164	LU 12	6356	3562	26559	2.5	4.66	Si
624	2X/2Y ø6/24.8	-68	-8923	LU 11	6325	3562	26526	2.5	93.27	-1364	-9316	LU 12	6376	3562	26579	2.5	4.67	Si
595	2X/2Y ø6/24.8	-68	-9075	LU 11	6344	3562	26547	2.5	93.56	-1364	-9468	LU 12	6395	3562	26600	2.5	4.69	Si
566	2X/2Y ø6/24.8	-68	-9226	LU 11	6364	3562	26567	2.5	93.85	-1364	-9619	LU 12	6415	3562	26620	2.5	4.7	Si
537	2X/2Y ø6/24.8	-68	-9378	LU 11	6384	3562	26587	2.5	94.14	-1364	-9771	LU 12	6435	3562	26640	2.5	4.72	Si
508	2X/2Y ø6/24.8	-68	-9530	LU 11	6403	3562	26608	2.5	94.43	-1364	-9923	LU 12	6455	3562	26661	2.5	4.73	Si
478	2X/2Y ø6/24.8	-68	-9681	LU 11	6423	3562	26628	2.5	94.72	-1364	-10074	LU 12	6474	3562	26681	2.5	4.75	Si
449	2X/2Y ø6/24.8	-68	-9833	LU 11	6443	3562	26649	2.5	95.01	-1364	-10226	LU 12	6494	3562	26702	2.5	4.76	Si
420	2X/2Y ø6/24.8	-68	-9982	LU 11	6462	3562	26669	2.5	95.3	-1364	-10375	LU 12	6513	3562	26722	2.5	4.78	Si
350	2X/2Y ø6/23.9	56	-26859	LU 11	9922	4223	36273	2.5	176.23	348	-25137	LU 17	9694	4223	36037	2.5	27.88	Si
319	2X/2Y ø6/23.9	56	-27057	LU 11	9948	4223	36300	2.5	176.7	348	-25335	LU 17	9720	4223	36064	2.5	27.95	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	249994	35158	-7958	RA 3	-34.7	249994	35158	-7958	RA 3	561.4	Si
449	221646	33760	-7843	RA 3	-31.1	218423	33518	-7581	RA 2	466.2	Si
478	192803	32338	-7726	RA 3	-27.4	190582	32015	-7464	RA 2	373.4	Si
508	163961	30916	-7610	RA 3	-18.4	163961	30916	-7610	RA 3	-219	Si
537	135118	29494	-7493	RA 3	-16.1	135118	29494	-7493	RA 3	-193.5	Si
566	106275	28072	-7376	RA 3	-13.8	106275	28072	-7376	RA 3	-168	Si
350	88673	12168	-19213	RA 8	-13.7	72271	14041	-20575	RA 9	-187.2	Si
319	80688	11194	-19366	RA 8	-13.3	65529	12921	-20727	RA 9	-183.3	Si
289	72568	10204	-19521	RA 8	-12.9	58672	11782	-20882	RA 9	-179.5	Si
770	-102666	19971	-7205	RA 9	-12.9	-102666	19971	-7205	RA 9	-157.2	Si
258	64447	9213	-19675	RA 8	-12.5	51815	10643	-21037	RA 9	-175.6	Si
228	44958	9504	-21192	RA 9	-12.1	44958	9504	-21192	RA 9	-171.7	Si
-22	-11763	223	-22455	RA 3	-11.9	0	0	0		0	Si
197	38094	8365	-21346	RA 9	-11.8	38094	8365	-21346	RA 9	-167.8	Si
-17	-10676	449	-22427	RA 3	-11.7	-10676	449	-22427	RA 3	-172.6	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	177191	33245	-7774	QP 2	-25.6	Si
449	157013	31849	-7659	QP 2	-18	Si
478	136483	30430	-7543	QP 2	-16.3	Si
508	115953	29010	-7426	QP 2	-14.6	Si
350	83411	13230	-18416	QP 1	-13.2	Si
537	95423	27591	-7309	QP 2	-13	Si
319	75825	12168	-18569	QP 1	-12.8	Si
289	68112	11089	-18724	QP 1	-11.8	Si
258	60397	10009	-18878	QP 1	-12	Si
228	47810	9479	-19617	QP 2	-11.6	Si
566	74893	26171	-7193	QP 2	-11.3	Si
197	40631	8336	-19772	QP 2	-11.2	Si
-22	-10833	148	-20881	QP 2	-11	Si
167	33452	7193	-19926	QP 2	-10.8	Si
-17	-9540	353	-20853	QP 2	-10.8	Si

Pilastrata 45

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -57.2 a -34, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -22, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-626846	-75202	-33423	-1847072	-221592	LU 12	2.947	Si
20	18.1	1.8	0	1,2,3,4	-548758	-74771	-33232	-1847258	-251699	LU 12	3.366	Si
50	18.1	1.8	0	1,2,3,4	-467255	-74321	-33032	-1800061	-286317	LU 12	3.852	Si
80	18.1	0.9	0	2,3,4	-386791	73877	-32834	-1698986	324506	LU 12	4.393	Si
350	18.1	0.9	0	2,3,4	335938	69886	-31061	1639869	341147	LU 12	4.881	Si
110	18.1	0.9	0	2,3,4	-306330	73433	-32637	-1526413	365908	LU 12	4.983	Si
420	18.1	2.3	0	2,3,4,5	-239900	39982	-10892	-1268511	211411	LU 11	5.288	Si
320	18.1	0.9	0	2,3,4	256835	70323	-31255	1417890	388227	LU 12	5.521	Si
140	18.1	0.9	0	2,3,4	-225872	72989	-32439	-1281141	413990	LU 12	5.672	Si
290	18.1	0.9	0	2,3,4	176390	70767	-31452	1106372	443876	LU 12	6.272	Si
449	18.1	2.3	0	2,3,4,5	-204222	37141	-10743	-1322504	240520	LU 11	6.476	Si
170	18.1	0.9	0	2,3,4	-145415	72544	-32242	-942565	470225	LU 12	6.482	Si
770	18.1	1.1	0	5	194455	18155	-9078	1328894	124073	LU 11	6.834	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
200	18.1	0.9	0	2,3,4	-72638	72638	-32284	-509890	509890	LU 18	7.02	Si
230	18.1	0.9	0	2,3,4	72193	72193	-32086	509890	509890	LU 18	7.063	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	47	-30775	LU 11	10440	4223	36809	2.5	220.06	2681	-31061	LU 12	10478	4223	36848	2.5	3.91	Si
320	2X/2Y ø6/23.9	47	-30969	LU 11	10466	4223	36835	2.5	220.6	2681	-31255	LU 12	10504	4223	36875	2.5	3.92	Si
290	2X/2Y ø6/23.9	47	-31166	LU 11	10492	4223	36862	2.5	221.15	2682	-31452	LU 12	10530	4223	36902	2.5	3.93	Si
260	2X/2Y ø6/23.9	47	-31364	LU 11	10518	4223	36889	2.5	221.7	2682	-31650	LU 12	10556	4223	36929	2.5	3.94	Si
230	2X/2Y ø6/23.9	47	-31561	LU 11	10544	4223	36917	2.5	222.25	2682	-31847	LU 12	10582	4223	36956	2.5	3.95	Si
200	2X/2Y ø6/23.9	47	-31759	LU 11	10571	4223	36944	2.5	222.8	2682	-32045	LU 12	10608	4223	36983	2.5	3.96	Si
170	2X/2Y ø6/23.9	47	-31956	LU 11	10597	4223	36971	2.5	223.35	2682	-32242	LU 12	10634	4223	37010	2.5	3.97	Si
140	2X/2Y ø6/23.9	47	-32153	LU 11	10623	4223	36998	2.5	223.9	2682	-32439	LU 12	10661	4223	37037	2.5	3.97	Si
110	2X/2Y ø6/23.9	47	-32351	LU 11	10649	4223	37025	2.5	224.45	2682	-32637	LU 12	10687	4223	37064	2.5	3.98	Si
80	2X/2Y ø6/23.9	47	-32548	LU 11	10675	4223	37052	2.5	225	2682	-32834	LU 12	10713	4223	37091	2.5	3.99	Si
50	2X/2Y ø6/23.9	47	-32746	LU 11	10701	4223	37079	2.5	225.55	2682	-33032	LU 12	10739	4223	37118	2.5	4	Si
20	2X/2Y ø6/23.9	47	-32946	LU 11	10728	4223	37106	2.5	226.11	2682	-33232	LU 12	10765	4223	37145	2.5	4.01	Si
-10	2X/2Y ø6/23.9	47	-33137	LU 11	10753	4223	37132	2.5	226.65	2682	-33423	LU 12	10791	4223	37171	2.5	4.02	Si
770	2X/2Y ø6/24.8	-99	-9078	LU 11	6345	3562	26547	2.5	64.03	1245	-9078	LU 11	6345	3562	26547	2.5	5.1	Si
741	2X/2Y ø6/24.8	-99	-9227	LU 11	6364	3562	26567	2.5	64.22	1245	-9227	LU 11	6364	3562	26567	2.5	5.11	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	-476321	-2843	-25401	RA 3	-42.8	-476321	-2843	-25401	RA 3	-507.3	Si
20	-416914	-1812	-25253	RA 3	-37.5	-416914	-1812	-25253	RA 3	-454.8	Si
50	-354910	-737	-25100	RA 3	-29.9	-354910	-737	-25100	RA 3	-381.4	Si
80	-293696	325	-24948	RA 3	-26.5	-293696	325	-24948	RA 3	-342.7	Si
420	-183980	30652	-8510	RA 3	-26	-184132	30330	-8347	RA 2	311.7	Si
350	256128	9864	-23583	RA 3	-24.5	256128	9864	-23583	RA 3	-316.7	Si
110	-232485	1387	-24796	RA 3	-23.3	-232485	1387	-24796	RA 3	-304.9	Si
320	195950	8820	-23733	RA 3	-21.3	195950	8820	-23733	RA 3	-280.2	Si
140	-171275	2449	-24644	RA 3	-20	-171275	2449	-24644	RA 3	-267.2	Si
449	-156756	28501	-8396	RA 3	-18.1	-156756	28501	-8396	RA 3	-217.5	Si
290	134750	7758	-23885	RA 3	-18	134750	7758	-23885	RA 3	-243.1	Si
170	-110066	3511	-24492	RA 3	-16.7	-110066	3511	-24492	RA 3	-229.4	Si
478	-128774	25934	-8380	RA 5	-15.9	-128774	25934	-8380	RA 5	-192.6	Si
770	147454	4458	-7114	RA 3	-15	147454	4458	-7114	RA 3	-180.2	Si
260	73548	6696	-24036	RA 3	-14.7	73548	6696	-24036	RA 3	-206.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	-449182	-2722	-23935	QP 2	-40.4	Si
20	-392842	-1819	-23788	QP 2	-35.3	Si
50	-334038	-875	-23634	QP 2	-28.1	Si
420	-182285	28396	-8201	QP 2	-25.5	Si
80	-275984	56	-23482	QP 2	-24.9	Si
350	245453	8420	-22118	QP 2	-23.2	Si
110	-217933	987	-23330	QP 2	-21.8	Si
320	188382	7504	-22267	QP 2	-20.1	Si
140	-159883	1918	-23179	QP 2	-18.7	Si
449	-155465	26389	-8086	QP 2	-17.7	Si
290	130342	6573	-22419	QP 2	-17.1	Si
170	-101834	2849	-23027	QP 2	-15.6	Si
478	-128178	24347	-7970	QP 2	-15.5	Si
770	144229	3962	-6805	QP 2	-14.5	Si
260	72300	5642	-22571	QP 2	-14	Si

Pilastrata 46

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 14.8, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 14.8 a 51.6, 34.4 > 30.

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometriche

L'appoggio -22 ha ampiezza nulla.

Anomalie quantitativo di acciaio

Sezione a quota -16 in Campata da -22 a 408, percentuale acciaio = 0.087% < 0.3%.
Sezione a quota -10 in Campata da -22 a 408, percentuale acciaio = 0.174% < 0.3%.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	424225	25050	-12525	1032976	60995	LU 12	1.835	Si
449	18.1	2.3	0	2,3,4,5	371484	24752	-12376	1113364	74182	LU 12	2.997	Si
478	18.1	2.3	0	2,3,4,5	313663	23429	-11715	1193600	89156	LU 11	3.805	Si
508	18.1	1.1	0	5	262059	23126	-11563	1300132	114732	LU 11	4.961	Si
770	18.1	1.1	0	5	-236584	30636	-11872	-1344581	174113	LU 18	5.683	Si
-22	0	0.9	0	1	-71116	71116	-31607	-428591	428591	LU 18	6.027	Si
-17	1.47	0.9	0	1	-71034	71034	-31571	-435192	435192	LU 18	6.126	Si
537	18.1	1.1	0	5	210455	22822	-11411	1387685	150485	LU 11	6.594	Si
14	17.38	1.8	0	1,2,3,4	-70589	-70589	-31373	-506695	-506695	LU 18	7.178	Si
44	18.1	1.8	0	1,2,3,4	70136	-70136	-31172	509890	-509890	LU 18	7.27	Si
75	18.1	0.9	0	2,3,4	69678	-69678	-30968	509890	-509890	LU 18	7.318	Si
105	18.1	0.9	0	2,3,4	69230	-69230	-30769	509890	-509890	LU 18	7.365	Si
741	18.1	1.1	0	5	-184497	29964	-12021	-1362925	221352	LU 18	7.387	Si
136	18.1	0.9	0	2,3,4	68777	-68777	-30568	509890	-509890	LU 18	7.414	Si
167	18.1	0.9	0	2,3,4	68325	-68325	-30366	509890	-509890	LU 18	7.463	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	28	-11991	LU 17	6724	3562	26939	2.5	239.47	-1840	-10710	LU 12	6557	3562	26767	2.5	3.56	Si
741	2X/2Y ø6/24.8	28	-12140	LU 17	6743	3562	26959	2.5	240.16	-1840	-10859	LU 12	6576	3562	26787	2.5	3.57	Si
712	2X/2Y ø6/24.8	28	-12292	LU 17	6763	3562	26980	2.5	240.86	-1840	-11011	LU 12	6596	3562	26807	2.5	3.59	Si
683	2X/2Y ø6/24.8	28	-12444	LU 17	6783	3562	27000	2.5	241.57	-1840	-11162	LU 12	6616	3562	26828	2.5	3.6	Si
653	2X/2Y ø6/24.8	28	-12595	LU 17	6802	3562	27020	2.5	242.27	-1840	-11314	LU 12	6636	3562	26848	2.5	3.61	Si
624	2X/2Y ø6/24.8	28	-12747	LU 17	6822	3562	27041	2.5	242.97	-1840	-11466	LU 12	6655	3562	26868	2.5	3.62	Si
595	2X/2Y ø6/24.8	28	-12899	LU 17	6842	3562	27061	2.5	243.68	-1840	-11617	LU 12	6675	3562	26889	2.5	3.63	Si
566	2X/2Y ø6/24.8	28	-13050	LU 17	6862	3562	27082	2.5	244.38	-1840	-11769	LU 12	6695	3562	26909	2.5	3.64	Si
537	2X/2Y ø6/24.8	28	-13202	LU 17	6881	3562	27102	2.5	245.08	-1840	-11921	LU 12	6715	3562	26930	2.5	3.65	Si
508	2X/2Y ø6/24.8	28	-13354	LU 17	6901	3562	27123	2.5	245.78	-1840	-12072	LU 12	6734	3562	26950	2.5	3.66	Si
478	2X/2Y ø6/24.8	28	-13505	LU 17	6921	3562	27143	2.5	246.49	-1840	-12224	LU 12	6754	3562	26971	2.5	3.67	Si
449	2X/2Y ø6/24.8	28	-13657	LU 17	6941	3562	27163	2.5	247.19	-1840	-12376	LU 12	6774	3562	26991	2.5	3.68	Si
420	2X/2Y ø6/24.8	28	-13806	LU 17	6960	3562	27183	2.5	247.88	-1840	-12525	LU 12	6793	3562	27011	2.5	3.69	Si
350	2X/2Y ø6/23.9	-31	-26603	LU 13	9888	4223	36238	2.5	322.12	353	-27193	LU 17	9966	4223	36319	2.5	28.21	Si
319	2X/2Y ø6/23.9	-31	-26801	LU 13	9914	4223	36265	2.5	322.97	353	-27391	LU 17	9993	4223	36346	2.5	28.28	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	310371	16208	-9600	RA 3	-39.4	310371	16208	-9600	RA 3	665.2	Si
449	271596	16564	-9485	RA 3	-34.8	267452	16142	-9145	RA 2	537	Si
478	232145	16927	-9368	RA 3	-30.2	229373	16418	-9029	RA 2	412.5	Si
508	192695	17290	-9252	RA 3	-20.4	192695	17290	-9252	RA 3	-244.4	Si
770	-174159	22859	-8978	RA 9	-19.3	-174159	22859	-8978	RA 9	-231.7	Si
537	153244	17652	-9135	RA 3	-17.4	153244	17652	-9135	RA 3	-211.8	Si
741	-135821	22358	-9093	RA 9	-16.5	-135821	22358	-9093	RA 9	-201.1	Si
566	113793	18015	-9018	RA 3	-14.5	113793	18015	-9018	RA 3	-179.1	Si
350	92121	-8387	-20779	RA 8	-14.4	92121	-8387	-20779	RA 8	-197.2	Si
319	84012	-7691	-20931	RA 8	-14	84012	-7691	-20931	RA 8	-192.8	Si
712	-96815	21848	-9210	RA 9	-13.6	-96815	21848	-9210	RA 9	-170	Si
289	75766	-6984	-21086	RA 8	-13.6	75766	-6984	-21086	RA 8	-188.3	Si
258	67520	-6276	-21241	RA 8	-13.2	67520	-6276	-21241	RA 8	-183.9	Si
228	59275	-5569	-21396	RA 8	-12.8	47427	-4455	-22708	RA 9	-180	Si
-22	-10043	171	-23887	RA 3	-12.5	0	0	0		0	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	236122	14151	-9339	QP 2	-30.3	Si
449	205924	14511	-9225	QP 2	-26.7	Si
478	175199	14878	-9108	QP 2	-18.8	Si
508	144475	15245	-8991	QP 2	-16.5	Si
770	-131521	18538	-7943	QP 2	-15.3	Si
537	113750	15611	-8875	QP 2	-14.3	Si
350	86337	-7539	-19877	QP 1	-13.7	Si
319	78667	-6912	-20030	QP 1	-13.3	Si
741	-101323	18177	-8058	QP 2	-13.1	Si
289	70868	-6275	-20184	QP 1	-12.9	Si
258	63068	-5637	-20339	QP 1	-12.5	Si
228	55269	-4999	-20494	QP 1	-12.1	Si
566	83025	15978	-8758	QP 2	-12	Si
197	47463	-4361	-20649	QP 1	-11.8	Si
-22	-8989	194	-22321	QP 2	-11.6	Si

Pilastrata 47

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 14.8, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 14.8 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometriche

L'appoggio -22 ha ampiezza nulla.

Anomalie quantitativo di acciaio

Sezione a quota -16 in Campata da -22 a 408, percentuale acciaio = 0.087% < 0.3%.
Sezione a quota -10 in Campata da -22 a 408, percentuale acciaio = 0.174% < 0.3%.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	397184	34651	-8510	864484	75420	LU 11	2.177	Si
449	18.1	2.3	0	2,3,4,5	357225	32597	-8361	901505	82262	LU 11	2.524	Si
478	18.1	2.3	0	2,3,4,5	316569	30506	-8209	952611	91799	LU 11	3.009	Si
508	18.1	1.1	0	5	275914	28416	-8058	1018454	104889	LU 11	3.691	Si
537	18.1	1.1	0	5	235258	26326	-7906	1103871	123524	LU 11	4.692	Si
566	18.1	1.1	0	5	194602	24235	-7754	1216687	151523	LU 11	6.252	Si
-22	0	0.9	0	1	-67487	-67487	-29994	-428591	-428591	LU 12	6.351	Si
-17	1.47	0.9	0	1	-67406	-67406	-29958	-435192	-435192	LU 12	6.456	Si
14	17.38	1.8	0	1,2,3,4	-66961	-66961	-29760	-506695	-506695	LU 12	7.567	Si
44	18.1	1.8	0	1,2,3,4	66508	-66508	-29559	509890	-509890	LU 12	7.667	Si
75	18.1	0.9	0	2,3,4	66050	-66050	-29355	509890	-509890	LU 12	7.72	Si
105	18.1	0.9	0	2,3,4	65602	-65602	-29156	509890	-509890	LU 12	7.772	Si
136	18.1	0.9	0	2,3,4	65149	65149	-28955	509890	509890	LU 12	7.827	Si
167	18.1	0.9	0	2,3,4	64696	64696	-28754	509890	509890	LU 12	7.881	Si
197	18.1	0.9	0	2,3,4	64243	64243	-28553	509890	509890	LU 12	7.937	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-73	-6735	LU 12	6040	3562	26232	2.5	82.8	-1394	-6695	LU 11	6035	3562	26226	2.5	4.33	Si
741	2X/2Y ø6/24.8	-73	-6884	LU 12	6059	3562	26252	2.5	83.06	-1394	-6844	LU 11	6054	3562	26246	2.5	4.34	Si
712	2X/2Y ø6/24.8	-73	-7036	LU 12	6079	3562	26272	2.5	83.33	-1394	-6996	LU 11	6074	3562	26267	2.5	4.36	Si
683	2X/2Y ø6/24.8	-73	-7188	LU 12	6099	3562	26293	2.5	83.6	-1394	-7148	LU 11	6093	3562	26287	2.5	4.37	Si
653	2X/2Y ø6/24.8	-73	-7339	LU 12	6118	3562	26313	2.5	83.87	-1394	-7299	LU 11	6113	3562	26308	2.5	4.39	Si
624	2X/2Y ø6/24.8	-73	-7491	LU 12	6138	3562	26333	2.5	84.14	-1394	-7451	LU 11	6133	3562	26328	2.5	4.4	Si
595	2X/2Y ø6/24.8	-73	-7643	LU 12	6158	3562	26354	2.5	84.41	-1394	-7603	LU 11	6153	3562	26348	2.5	4.41	Si
566	2X/2Y ø6/24.8	-73	-7794	LU 12	6178	3562	26374	2.5	84.69	-1394	-7754	LU 11	6172	3562	26369	2.5	4.43	Si
537	2X/2Y ø6/24.8	-73	-7946	LU 12	6197	3562	26395	2.5	84.96	-1394	-7906	LU 11	6192	3562	26389	2.5	4.44	Si
508	2X/2Y ø6/24.8	-73	-8098	LU 12	6217	3562	26415	2.5	85.23	-1394	-8058	LU 11	6212	3562	26410	2.5	4.46	Si
478	2X/2Y ø6/24.8	-73	-8249	LU 12	6237	3562	26435	2.5	85.5	-1394	-8209	LU 11	6232	3562	26430	2.5	4.47	Si
449	2X/2Y ø6/24.8	-73	-8401	LU 12	6257	3562	26456	2.5	85.77	-1394	-8361	LU 11	6251	3562	26451	2.5	4.48	Si
420	2X/2Y ø6/24.8	-73	-8550	LU 12	6276	3562	26476	2.5	86.03	-1394	-8510	LU 11	6271	3562	26471	2.5	4.5	Si
350	2X/2Y ø6/23.9	49	-27549	LU 12	10013	4223	36367	2.5	203.25	346	-25162	LU 17	9698	4223	36041	2.5	28	Si
319	2X/2Y ø6/23.9	49	-27747	LU 12	10040	4223	36394	2.5	203.78	346	-25360	LU 17	9724	4223	36068	2.5	28.07	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	289284	26304	-6593	RA 3	-38.1	289403	25910	-6566	RA 2	751.8	Si
449	260333	24746	-6478	RA 3	-34.5	260429	24376	-6452	RA 2	651.8	Si
478	230878	23160	-6362	RA 3	-30.8	230951	22815	-6335	RA 2	550.4	Si
508	201423	21575	-6245	RA 3	-27.1	201472	21255	-6218	RA 2	449.7	Si
537	171968	19990	-6128	RA 3	-23.3	171994	19694	-6102	RA 2	350.2	Si
566	142512	18404	-6012	RA 3	-15	142512	18404	-6012	RA 3	-178.6	Si
350	89453	3589	-19298	RA 8	-13.4	72553	6983	-20626	RA 9	-183.3	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
319	81467	2886	-19450	RA 8	-13	65863	5971	-20778	RA 9	-179.6	Si
595	113057	16819	-5895	RA 3	-12.7	113057	16819	-5895	RA 3	-152.5	Si
289	73348	2171	-19605	RA 8	-12.6	59061	4942	-20933	RA 9	-175.9	Si
-22	-10482	-5555	-22770	RA 3	-12.3	0	0	0		0	Si
258	52256	3913	-21088	RA 9	-12.2	52256	3913	-21088	RA 9	-172.1	Si
-17	-9385	-5359	-22742	RA 3	-12.1	-9385	-5359	-22742	RA 3	-177.6	Si
228	45453	2885	-21242	RA 9	-11.8	45453	2885	-21242	RA 9	-168.3	Si
197	38644	1856	-21397	RA 9	-11.5	38644	1856	-21397	RA 9	-164.5	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	216039	22518	-6658	QP 2	-29	Si
449	195095	21196	-6544	QP 2	-26.3	Si
478	173785	19852	-6427	QP 2	-23.5	Si
508	152474	18507	-6310	QP 2	-15.9	Si
537	131164	17163	-6194	QP 2	-14.2	Si
350	87098	2491	-18923	QP 1	-13	Si
319	79312	1891	-19076	QP 1	-12.6	Si
566	109854	15818	-6077	QP 2	-12.5	Si
289	71394	1282	-19231	QP 1	-12.2	Si
258	57917	1726	-19954	QP 2	-11.9	Si
-22	-9544	-5091	-21373	QP 2	-11.5	Si
228	50563	982	-20109	QP 2	-11.5	Si
-17	-8219	-4957	-21345	QP 2	-11.3	Si
197	47633	-546	-19695	QP 1	-11.1	Si
167	35844	-506	-20419	QP 2	-10.8	Si

Pilastrata 48

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	396	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	828	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 14.8, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 14.8 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 396, 34.4 > 30.

Anomalie geometriche

L'appoggio -22 ha ampiezza nulla.
L'appoggio 828 ha ampiezza nulla.

Anomalie quantitativo di acciaio

Sezione a quota -16 in Campata da -22 a 408, percentuale acciaio = 0.087% < 0.3%.
Sezione a quota -10 in Campata da -22 a 408, percentuale acciaio = 0.174% < 0.3%.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
792	18.1	1.1	0	5	-460921	530021	-11173	-596050	685409	LU 17	1.293	Si
814	23.75	2.3	0	5	-497137	568742	-11056	-708488	810535	LU 17	1.425	Si
823	25.59	2.3	0	5	-510120	582623	-11014	-738735	843730	LU 17	1.448	Si
761	18.1	1.1	0	5	-410914	476556	-11334	-608751	705996	LU 17	1.481	Si
730	18.1	1.1	0	5	-360908	423092	-11495	-623433	730849	LU 17	1.727	Si
699	18.1	1.1	0	5	-310902	369627	-11657	-636755	757029	LU 17	2.048	Si
668	18.1	1.1	0	5	-260896	316163	-11818	-651365	789346	LU 17	1.897	Si
637	18.1	1.1	0	5	-210890	262698	-11979	-666805	830614	LU 17	3.162	Si
606	18.1	1.1	0	5	-160884	209234	-12140	-683020	888283	LU 17	4.245	Si
575	18.1	1.1	0	5	-109902	158463	-12577	-681244	982256	LU 18	6.199	Si
367	19.88	1.6	0	2,3,4	187126	-162756	-17853	1238451	-1077164	LU 17	6.618	Si
394	27.65	2.2	0	2,3,4	200915	-174599	-17671	1349723	-1172940	LU 17	6.718	Si
396	28.47	2.2	0	2,3,4	201596	-175185	-17662	1364654	-1185868	LU 17	6.769	Si
420	18.1	2.3	0	3,4,5	138345	-110691	-13105	939547	-751736	LU 17	6.791	Si
337	18.1	0.9	0	2,4	172519	-150210	-18047	1218951	-1061323	LU 17	7.066	Si

Verifica a taglio in famiglia SLU

	Direzione X	Direzione Y	Verifica

Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
814	2X/2Y ø6/24.8	1725	-11056	LU 17	6602	3562	26813	2.5	3.83	-1613	-11056	LU 17	6602	3562	26813	2.5	4.09	Si
792	2X/2Y ø6/24.8	1725	-11173	LU 17	6617	3562	26829	2.5	3.84	-1613	-11173	LU 17	6617	3562	26829	2.5	4.1	Si
761	2X/2Y ø6/24.8	1725	-11334	LU 17	6638	3562	26851	2.5	3.85	-1613	-11334	LU 17	6638	3562	26851	2.5	4.12	Si
730	2X/2Y ø6/24.8	1725	-11495	LU 17	6659	3562	26872	2.5	3.86	-1613	-11495	LU 17	6659	3562	26872	2.5	4.13	Si
699	2X/2Y ø6/24.8	1725	-11657	LU 17	6680	3562	26894	2.5	3.87	-1613	-11657	LU 17	6680	3562	26894	2.5	4.14	Si
668	2X/2Y ø6/24.8	1725	-11818	LU 17	6701	3562	26916	2.5	3.89	-1613	-11818	LU 17	6701	3562	26916	2.5	4.15	Si
637	2X/2Y ø6/24.8	1725	-11979	LU 17	6722	3562	26938	2.5	3.9	-1613	-11979	LU 17	6722	3562	26938	2.5	4.17	Si
606	2X/2Y ø6/24.8	1725	-12140	LU 17	6743	3562	26959	2.5	3.91	-1613	-12140	LU 17	6743	3562	26959	2.5	4.18	Si
575	2X/2Y ø6/24.8	1725	-12301	LU 17	6764	3562	26981	2.5	3.92	-1613	-12301	LU 17	6764	3562	26981	2.5	4.19	Si
544	2X/2Y ø6/24.8	1725	-12463	LU 17	6785	3562	27003	2.5	3.93	-1613	-12463	LU 17	6785	3562	27003	2.5	4.21	Si
513	2X/2Y ø6/24.8	1725	-12624	LU 17	6806	3562	27024	2.5	3.95	-1613	-12624	LU 17	6806	3562	27024	2.5	4.22	Si
482	2X/2Y ø6/24.8	1725	-12785	LU 17	6827	3562	27046	2.5	3.96	-1613	-12785	LU 17	6827	3562	27046	2.5	4.23	Si
451	2X/2Y ø6/24.8	1725	-12946	LU 17	6848	3562	27068	2.5	3.97	-1613	-12946	LU 17	6848	3562	27068	2.5	4.25	Si
420	2X/2Y ø6/24.8	1725	-13105	LU 17	6869	3562	27089	2.5	3.98	-1613	-13105	LU 17	6869	3562	27089	2.5	4.26	Si
823	2X/2Y ø6/12	1725	-11014	LU 17	6597	7347	26808	2.5	4.26	-1613	-11014	LU 17	6597	7347	26808	2.5	4.55	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
792	-343010	394492	-8399	RA 8	-95.4	-343010	394492	-8399	RA 8	1746.3	Si
814	-369957	423266	-8309	RA 8	-90.7	-369957	423266	-8309	RA 8	1560.5	Si
823	-379618	433580	-8277	RA 8	-90	-379618	433580	-8277	RA 8	1525.1	Si
761	-305802	354763	-8523	RA 8	-85.1	-305802	354763	-8523	RA 8	1508.3	Si
730	-268593	315033	-8647	RA 8	-74.8	-268593	315033	-8647	RA 8	1271.5	Si
699	-231385	275304	-8771	RA 8	-64.4	-231385	275304	-8771	RA 8	1036.6	Si
668	-194177	235575	-8895	RA 8	-54.1	-194177	235575	-8895	RA 8	804.8	Si
637	-156969	195846	-9019	RA 8	-43.7	-156969	195846	-9019	RA 8	578.7	Si
606	-119052	157557	-9326	RA 9	-33.4	-119052	157557	-9326	RA 9	-369.3	Si
394	152285	-128003	-13904	RA 9	-20.1	152285	-128003	-13904	RA 9	-251.1	Si
396	152804	-128433	-13897	RA 9	-20	152804	-128433	-13897	RA 9	-250.1	Si
367	141781	-119306	-14044	RA 9	-19.9	141781	-119306	-14044	RA 9	-249.9	Si
575	-81902	118183	-9450	RA 9	-19.8	-81902	118183	-9450	RA 9	-238	Si
337	130654	-110093	-14193	RA 9	-19	130654	-110093	-14193	RA 9	-239.9	Si
420	102888	-81618	-9885	RA 8	-18.8	102888	-81618	-9885	RA 8	-228.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
792	-267970	308585	-7124	QP 1	-74.4	Si
814	-288995	330781	-7034	QP 1	-70.8	Si
823	-296532	338738	-7002	QP 1	-70.3	Si
761	-238939	277938	-7248	QP 1	-66.4	Si
730	-209908	247291	-7372	QP 1	-58.4	Si
699	-180878	216644	-7496	QP 1	-50.3	Si
668	-151847	185997	-7620	QP 1	-42.3	Si
637	-122816	155350	-7744	QP 1	-34.2	Si
606	-93482	125321	-7947	QP 2	-26.2	Si
394	125190	-102916	-12841	QP 2	-17	Si
396	125619	-103264	-12834	QP 2	-17	Si
367	116512	-95878	-12981	QP 2	-16.9	Si
337	107321	-88422	-13130	QP 2	-16.2	Si
575	-64476	94826	-8071	QP 2	-16	Si
308	98094	-80938	-13280	QP 2	-15.3	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
792	-278770	320936	-7297	FR 3	-157097	180859	180859	1393.6	641.4	0.0212	59.88	0.0243	Si	Si
761	-248562	288977	-7421	FR 3	-158341	184086	184086	1200.5	632.8	0.0214	59.35	0.0208	Si	Si
814	-300649	344083	-7208	FR 3	-165356	189245	189245	1248.7	625.8	0.0285	49.94	0.0182	Si	Si
730	-218353	257017	-7545	FR 3	-159958	188282	188282	1008.6	621.7	0.0218	58.67	0.0172	Si	Si
823	-308492	352380	-7175	FR 3	-167792	191664	191664	1221.3	621.6	0.0309	47.76	0.017	Si	Si
699	-188145	225058	-7669	FR 3	-162145	193957	193957	818.4	607	0.0224	57.77	0.0138	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
792	-267970	308585	-7124	QP 1	-157310	181153	181153	1333.8	640.5	0.0212	59.82	0.0232	Si	Si
761	-238939	277938	-7248	QP 1	-158573	184455	184455	1148.2	631.7	0.0215	59.28	0.0198	Si	Si
814	-288995	330781	-7034	QP 1	-165573	189513	189513	1195.8	624.9	0.0285	49.9	0.0174	Si	Si
730	-209908	247291	-7372	QP 1	-160214	188747	188747	963.9	620.4	0.0219	58.59	0.0164	Si	Si
823	-296532	338738	-7002	QP 1	-168009	191922	191922	1169.8	620.9	0.0309	47.73	0.0163	Si	Si
699	-180878	216644	-7496	QP 1	-162436	194556	194556	781.3	605.4	0.0224	57.67	0.0131	Si	Si

Pilastrata 49

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-70	R 30x30	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	360	R 30x30	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	780	R 30x30	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-10.27	-10.27	2.2	3.801	-542	-500	R 30x30	FeB 32k liscio LC1
p.1	10.27	-10.27	2.2	3.801	-542	-500	R 30x30	FeB 32k liscio LC1
p.1	10.27	10.27	2.2	3.801	-542	-500	R 30x30	FeB 32k liscio LC1

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-10.27	10.27	2.2	3.801	-542	-500	R 30x30	FeB 32k liscio LC1
p.2	-10.27	-10.27	2.2	3.801	-500	-10	R 30x30	FeB 32k liscio LC1
p.2	10.27	-10.27	2.2	3.801	-500	-10	R 30x30	FeB 32k liscio LC1
p.2	10.27	10.27	2.2	3.801	-500	-10	R 30x30	FeB 32k liscio LC1
p.2	-10.27	10.27	2.2	3.801	-500	-10	R 30x30	FeB 32k liscio LC1
p.3	-10.27	-10.27	2.2	3.801	-10	420	R 30x30	FeB 32k liscio LC1
p.3	10.27	-10.27	2.2	3.801	-10	420	R 30x30	FeB 32k liscio LC1
p.3	10.27	10.27	2.2	3.801	-10	420	R 30x30	FeB 32k liscio LC1
p.3	-10.27	10.27	2.2	3.801	-10	420	R 30x30	FeB 32k liscio LC1
p.4	-10.27	-10.27	2.2	3.801	420	780	R 30x30	FeB 32k liscio LC1
p.4	10.27	-10.27	2.2	3.801	420	780	R 30x30	FeB 32k liscio LC1
p.4	10.27	10.27	2.2	3.801	420	780	R 30x30	FeB 32k liscio LC1
p.4	-10.27	10.27	2.2	3.801	420	780	R 30x30	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3 < 4
Campata da -22 a 408 ricoprimento 3 < 4
Campata da 408 a 828 ricoprimento 3 < 4

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	15.21	3.4	0	2,3	-55452	349054	-27726	-103469	651302	LU 12	1.866	Si
-70	15.21	1.7	0	2	87479	-199116	-43740	181018	-412026	LU 12	2.069	Si
21	15.21	3.4	0	2,3	-55275	305489	-27637	-115123	636254	LU 12	2.083	Si
-101	15.21	1.7	0	2	87655	-183110	-43827	186278	-389132	LU 12	2.125	Si
-131	15.21	1.7	0	2	87835	-166742	-43917	191900	-364296	LU 12	2.185	Si
-162	15.21	1.7	0	2	88014	-150374	-44007	197667	-337718	LU 12	2.246	Si
-193	15.21	1.7	0	2	88194	-134007	-44097	203485	-309186	LU 12	2.307	Si
52	15.21	1.7	0	3	-55095	261206	-27547	-128597	609686	LU 12	2.334	Si
-224	15.21	1.7	0	2	88374	-117639	-44187	209213	-278495	LU 12	2.367	Si
-254	15.21	1.7	0	2	88553	-101271	-44277	214515	-245324	LU 12	1.822	Si
-500	15.21	3.4	0	1,2	-89988	89988	-44994	-218260	218260	LU 12	1.825	Si
-469	15.21	3.4	0	1,2	-89811	89811	-44906	-218260	218260	LU 12	1.83	Si
-439	15.21	1.7	0	2	-89631	-89631	-44816	-218260	-218260	LU 12	1.835	Si
-408	15.21	1.7	0	2	-89452	-89452	-44726	-218260	-218260	LU 12	1.84	Si
-377	15.21	1.7	0	2	-89272	-89272	-44636	-218260	-218260	LU 12	1.845	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
360	2X/2Y ø6/24.7	-1436	-26647	LU 12	5814	2603	17291	2.5	4.05	175	-23768	LU 17	5814	2603	16939	2.5	33.28	Si
329	2X/2Y ø6/24.7	-1436	-26736	LU 12	5814	2603	17291	2.5	4.05	175	-23856	LU 17	5814	2603	16951	2.5	33.28	Si
298	2X/2Y ø6/24.7	-1436	-26826	LU 12	5814	2603	17291	2.5	4.05	175	-23946	LU 17	5814	2603	16962	2.5	33.28	Si
268	2X/2Y ø6/24.7	-1436	-26916	LU 12	5814	2603	17291	2.5	4.05	175	-24037	LU 17	5814	2603	16974	2.5	33.28	Si
144	2X/2Y ø6/24.7	-1436	-27276	LU 12	5814	2603	17291	2.5	4.05	175	-24397	LU 17	5814	2603	17021	2.5	33.28	Si
237	2X/2Y ø6/24.7	-1436	-27006	LU 12	5814	2603	17291	2.5	4.05	175	-24127	LU 17	5814	2603	16986	2.5	33.28	Si
206	2X/2Y ø6/24.7	-1436	-27096	LU 12	5814	2603	17291	2.5	4.05	175	-24217	LU 17	5814	2603	16998	2.5	33.28	Si
175	2X/2Y ø6/24.7	-1436	-27187	LU 12	5814	2603	17291	2.5	4.05	175	-24307	LU 17	5814	2603	17010	2.5	33.28	Si
113	2X/2Y ø6/24.7	-1436	-27367	LU 12	5814	2603	17291	2.5	4.05	175	-24488	LU 17	5814	2603	17033	2.5	33.28	Si
83	2X/2Y ø6/24.7	-1436	-27457	LU 12	5814	2603	17291	2.5	4.05	175	-24578	LU 17	5814	2603	17045	2.5	33.28	Si
52	2X/2Y ø6/24.7	-1436	-27547	LU 12	5814	2603	17291	2.5	4.05	175	-24668	LU 17	5814	2603	17057	2.5	33.28	Si
21	2X/2Y ø6/24.7	-1436	-27637	LU 12	5814	2603	17291	2.5	4.05	175	-24758	LU 17	5814	2603	17069	2.5	33.28	Si
-10	2X/2Y ø6/24.7	-1436	-27726	LU 12	5814	2603	17291	2.5	4.05	175	-24847	LU 17	5814	2603	17080	2.5	33.28	Si
780	2X/2Y ø6/24	-69	-6995	LU 11	4023	2675	14747	2.5	58.44	451	-7480	LU 17	4085	2675	14810	2.5	9.06	Si
750	2X/2Y ø6/24	-69	-7081	LU 11	4034	2675	14758	2.5	58.6	451	-7566	LU 17	4096	2675	14821	2.5	9.09	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	-27664	259682	-20945	RA 3	-75.4	-27664	259682	-20945	RA 3	-825.4	Si
21	-24626	227247	-20877	RA 3	-66.5	-24626	227247	-20877	RA 3	-747.9	Si
-70	34668	-148205	-32946	RA 3	-59.2	34668	-148205	-32946	RA 3	-745.8	Si
52	-21538	194279	-20807	RA 3	-57.8	-21538	194279	-20807	RA 3	-669	Si
-101	29906	-136285	-33014	RA 3	-56.5	29906	-136285	-33014	RA 3	-718.6	Si
-131	25036	-124096	-33083	RA 3	-53.8	25036	-124096	-33083	RA 3	-690.8	Si
-162	20167	-111908	-33152	RA 3	-51	20167	-111908	-33152	RA 3	-663.1	Si
83	-18450	161310	-20738	RA 3	-49.6	-18450	161310	-20738	RA 3	-591.8	Si
-193	15297	-99719	-33221	RA 3	-48.3	15297	-99719	-33221	RA 3	-635.3	Si
-224	10427	-87531	-33290	RA 3	-45.6	10427	-87531	-33290	RA 3	-607.5	Si
-254	5558	-75342	-33360	RA 3	-42.8	5558	-75342	-33360	RA 3	-579.7	Si
113	-15362	128341	-20668	RA 3	-41.9	-15362	128341	-20668	RA 3	-516.6	Si
360	9291	-134875	-20115	RA 3	-41.4	9291	-134875	-20115	RA 3	-510	Si
-285	688	-63153	-33429	RA 3	-40.1	688	-63153	-33429	RA 3	-551.9	Si
-500	-33320	21968	-33911	RA 3	-39.1	-33320	21968	-33911	RA 3	-543.9	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	-29446	219473	-19163	QP 2	-65.3	Si
21	-26081	191950	-19095	QP 2	-57.7	Si
-70	36700	-125585	-29724	QP 2	-52.9	Si
-101	31545	-115458	-29791	QP 2	-50.5	Si
52	-22661	163974	-19025	QP 2	-50.2	Si
-131	26274	-105102	-29860	QP 2	-48	Si
-162	21002	-94746	-29930	QP 2	-45.5	Si
-193	15731	-84390	-29999	QP 2	-43	Si
83	-19241	135997	-18956	QP 2	-42.2	Si
-224	10460	-74034	-30068	QP 2	-40.5	Si
-254	5188	-63678	-30137	QP 2	-38	Si
113	-15820	108021	-18886	QP 2	-37	Si
360	11488	-115337	-18333	QP 2	-37	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
-500	-36897	19001	-30689	QP 2	-36.4	Si
-285	-83	-53322	-30206	QP 2	-35.5	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-10	-28729	230892	-19634	FR 2	-25900	208154	208154	412.9	136.1	0.0559	27.68	0.0033	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-10	-29446	219473	-19163	QP 2	-28036	208963	208963	378.2	134.5	0.0565	27.67	0.003	Si	Si

Pilastrata 49A

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4
Campata da -22 a 408 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -80, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -80 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 411.6, 34.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	1.8	0	1,2	-438014	-362336	-19652	-1086271	-898590	LU 12	1.88	Si
-10	18.1	1.8	0	2,3	-337947	-326263	-8926	-869858	-839785	LU 11	2.574	Si
350	18.1	0.9	0	3	311316	256873	-6563	881377	727242	LU 11	2.831	Si
-470	18.1	1.8	0	1,2	-380193	-324947	-19457	-1097289	-937841	LU 12	2.886	Si
20	18.1	1.8	0	2,3	-285296	-278974	-8734	-905184	-885128	LU 11	3.173	Si
-440	18.1	1.8	0	1,2	-321392	-286924	-19260	-1112930	-993575	LU 12	3.463	Si
320	18.1	0.9	0	3	257964	208955	-6758	940874	762123	LU 11	3.647	Si
-80	18.1	0.9	0	2	383241	168711	-16894	1409491	620488	LU 12	3.678	Si
50	18.1	1.8	0	2,3	-230340	-229615	-8534	-930960	-928033	LU 11	4.042	Si
-410	18.1	0.9	0	2	-262591	-248902	-19063	-1119801	-1061427	LU 12	4.264	Si
-110	18.1	0.9	0	2	325420	131322	-17088	1519007	612990	LU 12	4.668	Si
290	18.1	0.9	0	3	203708	160225	-6955	1035031	814095	LU 11	5.081	Si
-380	18.1	0.9	0	2	-203790	-210880	-18865	-1108872	-1147451	LU 12	5.441	Si
80	18.1	0.9	0	3	-176084	-180885	-8337	-969758	-996203	LU 11	5.507	Si
-140	18.1	0.9	0	2	266619	93300	-17286	1632632	571318	LU 12	6.123	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	1628	-6552	LU 12	7235	4203	33493	2.5	4.44	1809	-6563	LU 11	7236	4203	33494	2.5	4	Si
320	2X/2Y ø6/24	1628	-6746	LU 12	7261	4203	33519	2.5	4.46	1809	-6758	LU 11	7262	4203	33521	2.5	4.02	Si
290	2X/2Y ø6/24	1628	-6944	LU 12	7287	4203	33546	2.5	4.48	1809	-6955	LU 11	7288	4203	33548	2.5	4.03	Si
260	2X/2Y ø6/24	1628	-7141	LU 12	7313	4203	33574	2.5	4.49	1809	-7152	LU 11	7314	4203	33575	2.5	4.04	Si
230	2X/2Y ø6/24	1628	-7339	LU 12	7339	4203	33601	2.5	4.51	1809	-7350	LU 11	7340	4203	33602	2.5	4.06	Si
200	2X/2Y ø6/24	1628	-7536	LU 12	7365	4203	33628	2.5	4.52	1809	-7548	LU 11	7367	4203	33629	2.5	4.07	Si
170	2X/2Y ø6/24	1628	-7733	LU 12	7391	4203	33655	2.5	4.54	1809	-7745	LU 11	7393	4203	33656	2.5	4.09	Si
140	2X/2Y ø6/24	1628	-7931	LU 12	7417	4203	33682	2.5	4.56	1809	-7942	LU 11	7419	4203	33683	2.5	4.1	Si
110	2X/2Y ø6/24	1628	-8128	LU 12	7443	4203	33709	2.5	4.57	1809	-8140	LU 11	7445	4203	33710	2.5	4.12	Si
80	2X/2Y ø6/24	1628	-8326	LU 12	7470	4203	33736	2.5	4.59	1809	-8337	LU 11	7471	4203	33737	2.5	4.13	Si
50	2X/2Y ø6/24	1628	-8523	LU 12	7496	4203	33763	2.5	4.6	1809	-8534	LU 11	7497	4203	33764	2.5	4.15	Si
20	2X/2Y ø6/24	1628	-8723	LU 12	7522	4203	33790	2.5	4.62	1809	-8734	LU 11	7524	4203	33792	2.5	4.16	Si
-10	2X/2Y ø6/24	1628	-8915	LU 12	7548	4203	33816	2.5	4.64	1809	-8926	LU 11	7549	4203	33818	2.5	4.17	Si
-80	2X/2Y ø6/24.7	1269	-16911	LU 11	8606	4082	34911	2.5	6.78	1960	-16894	LU 12	8603	4082	34909	2.5	4.39	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-110	2X/2Y ø6/24.7	1269	-17105	LU 11	8631	4082	34938	2.5	6.8	1960	-17088	LU 12	8629	4082	34935	2.5	4.4	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	-248542	-245696	-6717	RA 2	-48.2	-248542	-245696	-6717	RA 2	889.7	Si
-500	-325665	-271053	-14773	RA 3	-55	-325665	-271053	-14773	RA 3	750.8	Si
350	229440	193173	-4900	RA 2	-41.5	229440	193173	-4900	RA 2	810.1	Si
20	-209780	-210106	-6570	RA 2	-40.6	-209780	-210106	-6570	RA 2	709.6	Si
-470	-282637	-243105	-14624	RA 3	-47.7	-282637	-243105	-14624	RA 3	592.5	Si
320	190163	157110	-5049	RA 2	-33.7	190163	157110	-5049	RA 2	610.5	Si
-440	-238880	-214684	-14472	RA 3	-40.3	-238880	-214684	-14472	RA 3	-465.4	Si
-80	285479	125895	-12652	RA 3	-37.2	285479	125895	-12652	RA 3	466.4	Si
50	-169322	-172959	-6416	RA 2	-32.6	-168817	-173313	-6408	RA 3	524	Si
-410	-195122	-186263	-14320	RA 3	-33.1	-195122	-186263	-14320	RA 3	-390.4	Si
-110	242451	97948	-12801	RA 3	-30.1	242451	97948	-12801	RA 3	-350.8	Si
290	150220	120436	-5201	RA 2	-25.7	149924	120639	-5193	RA 3	411.6	Si
80	-129379	-136284	-6264	RA 2	-24.6	-128974	-136569	-6257	RA 3	345.9	Si
-380	-151365	-157842	-14168	RA 3	-22.7	-151128	-157958	-14180	RA 2	-281.6	Si
-140	198694	69527	-12953	RA 3	-19.9	198694	69527	-12953	RA 3	-248.6	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-500	-274239	-236245	-13215	QP 2	-46.8	Si
-10	-196591	-221691	-6039	QP 2	-40.6	Si
-470	-237827	-211987	-13065	QP 2	-40.6	Si
350	183786	173055	-4222	QP 2	-35.1	Si
-440	-200798	-187318	-12914	QP 2	-34.3	Si
20	-165745	-189679	-5892	QP 2	-34.2	Si
-80	242931	108303	-11094	QP 2	-31.7	Si
320	152529	140618	-4371	QP 2	-28.4	Si
-410	-163769	-162648	-12762	QP 2	-28.2	Si
50	-133548	-156266	-5738	QP 2	-27.4	Si
-110	206520	84045	-11243	QP 2	-25.6	Si
-380	-126740	-137979	-12610	QP 2	-19.6	Si
-140	169491	59376	-11395	QP 2	-17.2	Si
-350	-89711	-113310	-12458	QP 2	-16.2	Si
80	-101762	-123279	-5586	QP 2	-14.4	Si

Pilastrata 49B

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4
Campata da -22 a 408 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -80, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -80 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 411.6, 34.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	1.8	0	1,2	222874	-144183	-64081	766449	-495835	LU 12	3.439	Si
-470	18.1	1.8	0	1,2	205412	-143746	-63887	717692	-502236	LU 12	3.494	Si
-440	18.1	1.8	0	1,2	187654	-143302	-63690	665948	-508551	LU 12	3.549	Si
-410	18.1	0.9	0	2	169896	-142858	-63492	606395	-509890	LU 12	3.569	Si
-380	18.1	0.9	0	2	152138	-142414	-63295	544706	-509890	LU 12	3.58	Si
-350	18.1	0.9	0	2	141969	-141969	-63097	509890	-509890	LU 12	3.592	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-320	18.1	0.9	0	2	141525	-141525	-62900	509890	-509890	LU 12	3.603	Si
-290	18.1	0.9	0	2	141081	-141081	-62703	509890	-509890	LU 12	3.614	Si
-260	18.1	0.9	0	2	140637	-140637	-62505	509890	-509890	LU 12	3.626	Si
-230	18.1	0.9	0	2	140192	-140192	-62308	509890	-509890	LU 12	3.637	Si
-200	18.1	0.9	0	2	139755	-139755	-62113	509890	-509890	LU 12	3.648	Si
-170	18.1	0.9	0	2	139304	139304	-61913	509890	509890	LU 12	3.66	Si
-140	18.1	0.9	0	2	138860	138860	-61715	509890	509890	LU 12	3.672	Si
-110	18.1	0.9	0	2	-138415	138415	-61518	-509890	509890	LU 12	3.684	Si
-80	18.1	0.9	0	2	-137979	137979	-61324	-509890	509890	LU 12	3.695	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	1121	-27017	LU 11	9943	4203	36294	2.5	8.87	-247	-27020	LU 12	9943	4203	36295	2.5	40.18	Si
320	2X/2Y ø6/24	1121	-27211	LU 11	9969	4203	36321	2.5	8.9	-247	-27214	LU 12	9969	4203	36321	2.5	40.28	Si
290	2X/2Y ø6/24	1121	-27408	LU 11	9995	4203	36348	2.5	8.92	-247	-27412	LU 12	9995	4203	36348	2.5	40.39	Si
260	2X/2Y ø6/24	1121	-27606	LU 11	10021	4203	36375	2.5	8.94	-247	-27609	LU 12	10021	4203	36376	2.5	40.49	Si
230	2X/2Y ø6/24	1121	-27803	LU 11	10047	4203	36402	2.5	8.97	-247	-27807	LU 12	10048	4203	36403	2.5	40.6	Si
200	2X/2Y ø6/24	1121	-28001	LU 11	10073	4203	36429	2.5	8.99	-247	-28004	LU 12	10074	4203	36430	2.5	40.7	Si
170	2X/2Y ø6/24	1121	-28198	LU 11	10099	4203	36456	2.5	9.01	-247	-28201	LU 12	10100	4203	36457	2.5	40.81	Si
140	2X/2Y ø6/24	1121	-28395	LU 11	10125	4203	36483	2.5	9.04	-247	-28399	LU 12	10126	4203	36484	2.5	40.91	Si
110	2X/2Y ø6/24	1121	-28593	LU 11	10152	4203	36510	2.5	9.06	-247	-28596	LU 12	10152	4203	36511	2.5	41.02	Si
80	2X/2Y ø6/24	1121	-28790	LU 11	10178	4203	36537	2.5	9.08	-247	-28794	LU 12	10178	4203	36538	2.5	41.12	Si
50	2X/2Y ø6/24	1121	-28988	LU 11	10204	4203	36564	2.5	9.11	-247	-28991	LU 12	10204	4203	36565	2.5	41.23	Si
20	2X/2Y ø6/24	1121	-29188	LU 11	10230	4203	36592	2.5	9.13	-247	-29191	LU 12	10231	4203	36592	2.5	41.34	Si
-10	2X/2Y ø6/24	1121	-29379	LU 11	10256	4203	36618	2.5	9.15	-247	-29383	LU 12	10256	4203	36618	2.5	41.44	Si
-440	2X/2Y ø6/24.7	264	-63672	LU 11	12670	4082	40745	2.5	48.03	-593	-63672	LU 11	12670	4082	40745	2.5	21.35	Si
-410	2X/2Y ø6/24.7	264	-63474	LU 11	12670	4082	40745	2.5	48.03	-593	-63474	LU 11	12670	4082	40745	2.5	21.35	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-500	167748	-61975	-48220	RA 2	-33.2	167748	-61975	-48220	RA 2	-455.4	Si
-470	154643	-56196	-48071	RA 2	-32.2	154643	-56196	-48071	RA 2	-442.9	Si
-440	141315	-50320	-47919	RA 2	-31.1	141315	-50320	-47919	RA 2	-430.2	Si
-410	127987	-44443	-47767	RA 2	-30	127987	-44443	-47767	RA 2	-417.4	Si
-380	114659	-38566	-47615	RA 2	-28.9	114659	-38566	-47615	RA 2	-404.7	Si
-350	101331	-32690	-47463	RA 2	-27.8	101331	-32690	-47463	RA 2	-392	Si
-320	88003	-26813	-47311	RA 2	-26.7	87989	-26709	-47323	RA 3	-379.2	Si
-290	74689	-20920	-47171	RA 3	-25.6	74689	-20920	-47171	RA 3	-366.6	Si
-260	61389	-15131	-47020	RA 3	-24.6	61389	-15131	-47020	RA 3	-353.9	Si
-230	48088	-9342	-46868	RA 3	-23.5	48088	-9342	-46868	RA 3	-341.2	Si
-200	35003	-3646	-46718	RA 3	-21.8	35003	-3646	-46718	RA 3	-328.8	Si
-80	-18397	20103	-46099	RA 2	-22.1	-18397	20103	-46099	RA 2	-324.6	Si
-170	21364	2571	-46552	RA 2	-21.5	21364	2571	-46552	RA 2	-318.7	Si
-110	-5291	14324	-46248	RA 2	-21.2	-5291	14324	-46248	RA 2	-314.1	Si
-140	8037	8448	-46400	RA 2	-21.1	8037	8448	-46400	RA 2	-313.2	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-500	150006	-52814	-43399	QP 2	-29.7	Si
-470	138529	-47979	-43250	QP 2	-28.8	Si
-440	126857	-43062	-43098	QP 2	-27.8	Si
-410	115186	-38144	-42946	QP 2	-26.9	Si
-380	103514	-33227	-42794	QP 2	-25.9	Si
-350	91842	-28309	-42643	QP 2	-25	Si
-320	80171	-23392	-42491	QP 2	-24	Si
-290	68499	-18475	-42339	QP 2	-23.1	Si
-260	56828	-13557	-42187	QP 2	-22.1	Si
-230	45156	-8640	-42035	QP 2	-21.2	Si
-200	33673	-3802	-41886	QP 2	-20.2	Si
-80	-13007	15865	-41278	QP 2	-19.5	Si
-170	21813	1195	-41731	QP 2	-19.4	Si
-140	10141	6112	-41579	QP 2	-19	Si
-10	29177	-160626	-19979	QP 2	-18.8	Si

Pilastrata 49C

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4
Campata da -22 a 408 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -80, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -80 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 411.6, 34.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	1.8	0	1,2	261176	479484	-74519	643962	1182229	LU 12	1.866	Si
-470	18.1	1.8	0	1,2	234273	420523	-74324	608346	1091988	LU 12	2.597	Si
-440	18.1	1.8	0	1,2	206914	360562	-74127	566012	986315	LU 12	2.735	Si
-80	18.1	0.9	0	2	-161462	-357966	-71761	-458584	-1016692	LU 12	2.84	Si
-410	18.1	0.9	0	2	179555	300601	-73930	517474	866327	LU 12	2.882	Si
-110	18.1	0.9	0	2	-161899	-299005	-71955	-478898	-884457	LU 12	2.958	Si
-380	18.1	0.9	0	2	165897	240641	-73732	501045	726786	LU 12	3.02	Si
-140	18.1	0.9	0	2	-162343	-239044	-72153	-499849	-736009	LU 12	3.079	Si
-350	18.1	0.9	0	2	165453	180680	-73535	509890	556817	LU 12	3.082	Si
-320	18.1	0.9	0	2	165009	165009	-73337	509890	509890	LU 12	3.09	Si
-290	18.1	0.9	0	2	164565	164565	-73140	509890	509890	LU 12	3.098	Si
-260	18.1	0.9	0	2	164120	164120	-72942	509890	509890	LU 12	3.107	Si
-230	18.1	0.9	0	2	163676	-163676	-72745	509890	-509890	LU 12	3.115	Si
-200	18.1	0.9	0	2	-163239	-163239	-72551	-509890	-509890	LU 12	3.124	Si
-170	18.1	0.9	0	2	-162788	-179084	-72350	-509890	-560933	LU 12	3.132	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-110	2X/2Y ø6/24.7	-1999	-71955	LU 12	12670	4082	40745	2.5	6.34	-912	-71955	LU 12	12670	4082	40745	2.5	13.89	Si
-80	2X/2Y ø6/24.7	-1999	-71761	LU 12	12670	4082	40745	2.5	6.34	-912	-71761	LU 12	12670	4082	40745	2.5	13.89	Si
-140	2X/2Y ø6/24.7	-1999	-72153	LU 12	12670	4082	40745	2.5	6.34	-912	-72153	LU 12	12670	4082	40745	2.5	13.89	Si
-410	2X/2Y ø6/24.7	-1999	-73930	LU 12	12670	4082	40745	2.5	6.34	-912	-73930	LU 12	12670	4082	40745	2.5	13.89	Si
-380	2X/2Y ø6/24.7	-1999	-73732	LU 12	12670	4082	40745	2.5	6.34	-912	-73732	LU 12	12670	4082	40745	2.5	13.89	Si
-350	2X/2Y ø6/24.7	-1999	-73535	LU 12	12670	4082	40745	2.5	6.34	-912	-73535	LU 12	12670	4082	40745	2.5	13.89	Si
-320	2X/2Y ø6/24.7	-1999	-73337	LU 12	12670	4082	40745	2.5	6.34	-912	-73337	LU 12	12670	4082	40745	2.5	13.89	Si
-290	2X/2Y ø6/24.7	-1999	-73140	LU 12	12670	4082	40745	2.5	6.34	-912	-73140	LU 12	12670	4082	40745	2.5	13.89	Si
-260	2X/2Y ø6/24.7	-1999	-72942	LU 12	12670	4082	40745	2.5	6.34	-912	-72942	LU 12	12670	4082	40745	2.5	13.89	Si
-230	2X/2Y ø6/24.7	-1999	-72745	LU 12	12670	4082	40745	2.5	6.34	-912	-72745	LU 12	12670	4082	40745	2.5	13.89	Si
-200	2X/2Y ø6/24.7	-1999	-72551	LU 12	12670	4082	40745	2.5	6.34	-912	-72551	LU 12	12670	4082	40745	2.5	13.89	Si
-170	2X/2Y ø6/24.7	-1999	-72350	LU 12	12670	4082	40745	2.5	6.34	-912	-72350	LU 12	12670	4082	40745	2.5	13.89	Si
-500	2X/2Y ø6/24.7	-1999	-74519	LU 12	12670	4082	40745	2.5	6.34	-912	-74519	LU 12	12670	4082	40745	2.5	13.89	Si
-470	2X/2Y ø6/24.7	-1999	-74324	LU 12	12670	4082	40745	2.5	6.34	-912	-74324	LU 12	12670	4082	40745	2.5	13.89	Si
-440	2X/2Y ø6/24.7	-1999	-74127	LU 12	12670	4082	40745	2.5	6.34	-912	-74127	LU 12	12670	4082	40745	2.5	13.89	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-500	197267	361483	-56098	RA 3	-54.2	197267	361483	-56098	RA 3	-708	Si
-470	176982	317016	-55948	RA 3	-50.7	176982	317016	-55948	RA 3	-667.4	Si
-440	156353	271796	-55796	RA 3	-47.1	156353	271796	-55796	RA 3	-626.2	Si
-410	135723	226576	-55644	RA 3	-43.5	135723	226576	-55644	RA 3	-585	Si
-80	-90854	-270091	-53976	RA 3	-42.7	-90854	-270091	-53976	RA 3	-573.2	Si
-380	115094	181356	-55493	RA 3	-40	115094	181356	-55493	RA 3	-543.7	Si
-110	-70569	-225625	-54126	RA 3	-39.4	-70569	-225625	-54126	RA 3	-534.6	Si
-350	94465	136136	-55341	RA 3	-36.4	94465	136136	-55341	RA 3	-502.5	Si
-140	-49940	-180405	-54278	RA 3	-35.9	-49940	-180405	-54278	RA 3	-495.4	Si
-320	73836	90916	-55189	RA 3	-32.8	73836	90916	-55189	RA 3	-461.2	Si
-170	-29311	-135185	-54429	RA 3	-32.5	-29311	-135185	-54429	RA 3	-456.1	Si
-10	164898	209564	-28118	RA 3	-32.2	164898	209564	-28118	RA 3	-412.6	Si
-290	53206	45696	-55037	RA 3	-29.2	53206	45696	-55037	RA 3	-420	Si
20	140837	176978	-27971	RA 3	-29.1	140837	176978	-27971	RA 3	-377	Si
-200	-8349	-89235	-54584	RA 3	-29	-8349	-89235	-54584	RA 3	-416.2	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-500	180635	327372	-50507	QP 2	-49.1	Si
-470	162220	287032	-50357	QP 2	-45.9	Si
-440	143491	246008	-50205	QP 2	-42.6	Si
-410	124763	204985	-50053	QP 2	-39.4	Si
-80	-80933	-245592	-48385	QP 2	-38.5	Si
-380	106035	163961	-49902	QP 2	-36.1	Si
-110	-62517	-205252	-48535	QP 2	-35.4	Si
-350	87307	122937	-49750	QP 2	-32.9	Si
-140	-43789	-164229	-48687	QP 2	-32.3	Si
-320	68579	81914	-49598	QP 2	-29.6	Si
-170	-25061	-123205	-48838	QP 2	-29.2	Si
-10	144462	186133	-25288	QP 2	-28.6	Si
-290	49851	40890	-49446	QP 2	-26.4	Si
-200	-6031	-81519	-48993	QP 2	-26	Si
20	123428	157146	-25140	QP 2	-25.9	Si

Pilastrata 50

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.6	-17.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	-17.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4
Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -80, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -80 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	1.8	0	1,2	-255468	542919	-86940	-552881	1174979	LU 12	2.164	Si
-80	18.1	0.9	0	2	218226	-546367	-84182	485406	-1215302	LU 12	2.224	Si
-470	18.1	1.8	0	1,2	-222117	466227	-86746	-508181	1066679	LU 12	2.288	Si
-110	18.1	0.9	0	2	189847	-469675	-84377	444844	-1100527	LU 12	2.343	Si
-440	18.1	1.8	0	1,2	-194734	388235	-86548	-470814	938646	LU 12	1.818	Si
-140	18.1	0.9	0	2	190292	-391684	-84574	467291	-961840	LU 12	1.856	Si
-10	18.1	1.8	0	2,3,4,5	-237369	653480	-49123	-590024	1624345	LU 12	1.886	Si
-410	18.1	0.9	0	2	-194290	310243	-86351	-493012	787245	LU 12	2.538	Si
-170	18.1	0.9	0	2	190736	-313692	-84772	490306	-806376	LU 12	2.571	Si
-380	18.1	0.9	0	2	-193846	232251	-86154	-509890	610913	LU 12	2.63	Si
-350	18.1	0.9	0	2	-193401	193401	-85956	-509890	509890	LU 12	2.636	Si
-320	18.1	0.9	0	2	-192957	192957	-85759	-509890	509890	LU 12	2.643	Si
-290	18.1	0.9	0	2	-192513	-192513	-85561	-509890	-509890	LU 12	2.649	Si
-260	18.1	0.9	0	2	192069	-192069	-85364	509890	-509890	LU 12	2.655	Si
-230	18.1	0.9	0	2	191624	-191624	-85166	509890	-509890	LU 12	2.661	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-2130	-19218	LU 18	7664	3526	27912	2.5	3.6	991	-18558	LU 12	7578	3526	27823	2.5	7.65	Si
741	2X/2Y ø6/25	-2130	-19367	LU 18	7683	3526	27932	2.5	3.61	991	-18707	LU 12	7598	3526	27843	2.5	7.67	Si
712	2X/2Y ø6/25	-2130	-19518	LU 18	7703	3526	27952	2.5	3.62	991	-18859	LU 12	7617	3526	27864	2.5	7.69	Si
683	2X/2Y ø6/25	-2130	-19670	LU 18	7723	3526	27973	2.5	3.63	991	-19010	LU 12	7637	3526	27884	2.5	7.71	Si
653	2X/2Y ø6/25	-2130	-19822	LU 18	7743	3526	27993	2.5	3.63	991	-19162	LU 12	7657	3526	27904	2.5	7.73	Si
624	2X/2Y ø6/25	-2130	-19973	LU 18	7762	3526	28014	2.5	3.64	991	-19314	LU 12	7677	3526	27925	2.5	7.75	Si
595	2X/2Y ø6/25	-2130	-20125	LU 18	7782	3526	28034	2.5	3.65	991	-19465	LU 12	7696	3526	27945	2.5	7.77	Si
566	2X/2Y ø6/25	-2130	-20277	LU 18	7802	3526	28054	2.5	3.66	991	-19617	LU 12	7716	3526	27966	2.5	7.79	Si
537	2X/2Y ø6/25	-2130	-20428	LU 18	7822	3526	28075	2.5	3.67	991	-19769	LU 12	7736	3526	27986	2.5	7.81	Si
508	2X/2Y ø6/25	-2130	-20580	LU 18	7841	3526	28095	2.5	3.68	991	-19920	LU 12	7756	3526	28007	2.5	7.83	Si
478	2X/2Y ø6/25	-2130	-20732	LU 18	7861	3526	28116	2.5	3.69	991	-20072	LU 12	7775	3526	28027	2.5	7.85	Si
449	2X/2Y ø6/25	-2130	-20883	LU 18	7881	3526	28136	2.5	3.7	991	-20224	LU 12	7795	3526	28047	2.5	7.87	Si
420	2X/2Y ø6/25	-2130	-21032	LU 18	7900	3526	28156	2.5	3.71	991	-20373	LU 12	7814	3526	28067	2.5	7.89	Si
350	2X/2Y ø6/24	-3147	-45894	LU 18	12441	4203	38879	2.5	3.95	1216	-46760	LU 12	12556	4203	38997	2.5	10.33	Si
320	2X/2Y ø6/24	-3147	-46088	LU 18	12467	4203	38905	2.5	3.96	1216	-46954	LU 12	12581	4203	39024	2.5	10.35	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-500	-187328	413151	-65499	RA 3	-60.5	-187328	413151	-65499	RA 3	-794.9	Si
-80	160193	-414762	-63378	RA 3	-58.3	160193	-414762	-63378	RA 3	-765.5	Si
-10	-172434	495369	-37108	RA 3	-57.6	-172434	495369	-37108	RA 3	-707.6	Si
-470	-162860	354862	-65350	RA 3	-56.1	-162860	354862	-65350	RA 3	-743.4	Si
-110	135725	-356472	-63527	RA 3	-53.9	135725	-356472	-63527	RA 3	-715.9	Si
420	-138283	293330	-15529	RA 3	-52.1	-138283	293330	-15529	RA 3	-576.4	Si
-440	-137978	295584	-65198	RA 3	-51.5	-137978	295584	-65198	RA 3	-690.9	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
20	-146685	425844	-36961	RA 3	-49.7	-146685	425844	-36961	RA 3	-622.1	Si
-140	110843	-297194	-63679	RA 3	-49.5	110843	-297194	-63679	RA 3	-665.4	Si
-410	-113096	236306	-65046	RA 3	-47	-113096	236306	-65046	RA 3	-638.5	Si
-170	85961	-237916	-63831	RA 3	-45.1	85961	-237916	-63831	RA 3	-614.9	Si
350	145093	-361969	-35291	RA 3	-44.3	145093	-361969	-35291	RA 3	-559.8	Si
770	103495	-264072	-14573	RA 9	-44.2	103495	-264072	-14573	RA 9	-493.5	Si
449	-117640	248369	-15414	RA 3	-43.6	-117640	248369	-15414	RA 3	-494	Si
-380	-88214	177028	-64894	RA 3	-41.8	-88214	177028	-64894	RA 3	-586	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-500	-145301	392034	-59158	QP 2	-54.4	Si
-80	125082	-388889	-57037	QP 2	-52.2	Si
-10	-125982	461140	-33956	QP 2	-51	Si
-470	-126264	337053	-59009	QP 2	-50.4	Si
-110	106046	-333908	-57186	QP 2	-48.4	Si
-440	-106905	281139	-58857	QP 2	-46.3	Si
420	-100804	274173	-14817	QP 2	-45.1	Si
-140	86686	-277994	-57338	QP 2	-44.4	Si
20	-107007	396256	-33809	QP 2	-44.1	Si
-410	-87546	225226	-58705	QP 2	-42.2	Si
-170	67327	-222081	-57490	QP 2	-40.5	Si
770	83386	-241715	-13421	QP 2	-39.1	Si
-380	-68187	169313	-58553	QP 2	-38.2	Si
350	108004	-338969	-32139	QP 2	-37.8	Si
449	-85674	231798	-14703	QP 2	-37.8	Si

Pilastrata 52A

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 411.6, 34.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2	38282	-268355	-17014	261964	-1836376	LU 18	6.843	Si
320	18.1	0.9	0	2	38718	-246803	-17208	283291	-1805784	LU 18	7.317	Si
290	18.1	0.9	0	2	39663	-223393	-17628	310198	-1747126	LU 12	7.821	Si
260	18.1	0.9	0	2	40107	-201629	-17825	332549	-1671810	LU 12	8.292	Si
230	18.1	0.9	0	2	40551	-179864	-18023	355276	-1575821	LU 12	8.761	Si
200	18.1	0.9	0	2	40996	-158053	-18221	379362	-1462550	LU 12	9.254	Si
170	18.1	0.9	0	2	41440	-136336	-18418	404622	-1331198	LU 12	9.764	Si
140	18.1	0.9	0	2	41884	-114572	-18615	431547	-1180476	LU 12	10.303	Si
110	18.1	0.9	0	2	42741	-92807	-18813	464222	-1008003	LU 12	10.861	Si
80	18.1	0.9	0	2	44169	-71043	-19010	504536	-811522	LU 12	11.423	Si
-10	18.1	1.8	0	1,2	48427	-44098	-19599	559950	-509890	LU 12	11.563	Si
20	18.1	1.8	0	1,2	47042	-43667	-19407	549303	-509890	LU 12	11.677	Si
50	18.1	1.8	0	1,2	45596	-49279	-19207	537964	-581416	LU 12	11.798	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-731	-17014	LU 18	8619	4203	34925	2.5	11.8	-53	-13909	LU 3	8208	4203	34500	2.5	156.29	Si
320	2X/2Y ø6/24	-731	-17208	LU 18	8645	4203	34952	2.5	11.83	-53	-14058	LU 3	8228	4203	34520	2.5	156.66	Si
290	2X/2Y ø6/24	-731	-17406	LU 18	8671	4203	34979	2.5	11.87	-53	-14210	LU 3	8248	4203	34541	2.5	157.05	Si
260	2X/2Y ø6/24	-731	-17603	LU 18	8697	4203	35006	2.5	11.9	-53	-14362	LU 3	8268	4203	34562	2.5	157.43	Si
230	2X/2Y ø6/24	-731	-17800	LU 18	8723	4203	35033	2.5	11.94	-53	-14514	LU 3	8288	4203	34583	2.5	157.81	Si
200	2X/2Y ø6/24	-731	-17998	LU 18	8750	4203	35060	2.5	11.98	-53	-14666	LU 3	8309	4203	34604	2.5	158.2	Si
170	2X/2Y ø6/24	-731	-18195	LU 18	8776	4203	35087	2.5	12.01	-53	-14818	LU 3	8329	4203	34624	2.5	158.58	Si
140	2X/2Y ø6/24	-731	-18393	LU 18	8802	4203	35114	2.5	12.05	-53	-14969	LU 3	8349	4203	34645	2.5	158.96	Si
110	2X/2Y ø6/24	-731	-18590	LU 18	8828	4203	35141	2.5	12.08	-53	-15121	LU 3	8369	4203	34666	2.5	159.34	Si
80	2X/2Y ø6/24	-731	-18788	LU 18	8854	4203	35168	2.5	12.12	-53	-15273	LU 3	8389	4203	34687	2.5	159.73	Si
50	2X/2Y ø6/24	-731	-18985	LU 18	8880	4203	35195	2.5	12.15	-53	-15425	LU 3	8409	4203	34708	2.5	160.11	Si
20	2X/2Y ø6/24	-731	-19185	LU 18	8907	4203	35222	2.5	12.19	-53	-15579	LU 3	8429	4203	34729	2.5	160.5	Si
-10	2X/2Y ø6/24	-731	-19377	LU 18	8932	4203	35249	2.5	12.23	-53	-15726	LU 3	8449	4203	34749	2.5	160.87	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
350	29446	-204075	-12822	RA 9	-18	29446	-204075	-12822	RA 9	-226.5	Si
320	30016	-187684	-12971	RA 9	-17.3	30016	-187684	-12971	RA 9	-217.8	Si
290	30595	-171015	-13123	RA 9	-16.5	30595	-171015	-13123	RA 9	-209	Si
260	31174	-154347	-13275	RA 9	-15.7	31174	-154347	-13275	RA 9	-200.1	Si
230	31753	-137678	-13427	RA 9	-14.9	31753	-137678	-13427	RA 9	-191.3	Si
200	32334	-120973	-13579	RA 9	-14.1	32334	-120973	-13579	RA 9	-181.8	Si
170	32912	-104341	-13730	RA 9	-13.3	32912	-104341	-13730	RA 9	-173.6	Si
140	33491	-87672	-13882	RA 9	-12.5	33491	-87672	-13882	RA 9	-164.7	Si
110	34070	-71003	-14034	RA 9	-11.7	33092	-70622	-14182	RA 3	-156	Si
80	33977	-54056	-14334	RA 3	-10.9	33977	-54056	-14334	RA 3	-147.4	Si
50	34863	-37489	-14486	RA 3	-10.2	34863	-37489	-14486	RA 3	-138.9	Si
20	35760	-20709	-14640	RA 3	-9.4	35760	-20709	-14640	RA 3	-130.1	Si
-10	36620	-4633	-14787	RA 3	-8.6	36620	-4633	-14787	RA 3	-121.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
350	34662	-192555	-11624	QP 2	-17.2	Si
320	34580	-177086	-11773	QP 2	-16.4	Si
290	34497	-161355	-11925	QP 2	-15.6	Si
260	34414	-145624	-12077	QP 2	-14.9	Si
230	34331	-129893	-12229	QP 2	-14.1	Si
200	34248	-114128	-12381	QP 2	-13.3	Si
170	34165	-98430	-12532	QP 2	-12.5	Si
140	34082	-82699	-12684	QP 2	-11.7	Si
110	33999	-66968	-12836	QP 2	-11	Si
80	33916	-51237	-12988	QP 2	-10.2	Si
50	33833	-35506	-13140	QP 2	-9.4	Si
20	33749	-19572	-13294	QP 2	-8.6	Si
-10	33669	-4306	-13441	QP 2	-7.9	Si

Pilastrata 53

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2,3,4	-152916	-140036	-24027	-1086523	-995009	LU 12	7.105	Si
320	18.1	0.9	0	2,3,4	-135508	-128720	-24221	-1007902	-957415	LU 12	7.438	Si
290	18.1	0.9	0	2,3,4	-117805	-117213	-24419	-917006	-912393	LU 12	7.784	Si
260	18.1	0.9	0	2,3,4	-100103	-105705	-24616	-814137	-859703	LU 12	8.133	Si
420	18.1	2.3	0	2,3,4,5	119228	84188	-9484	974843	688352	LU 11	8.176	Si
230	18.1	0.9	0	2,3,4	-82400	-94197	-24814	-698122	-798076	LU 12	8.472	Si
-10	18.1	1.8	0	1,2,3,4	59377	-59377	-26390	509890	-509890	LU 12	8.587	Si
20	18.1	1.8	0	1,2,3,4	58946	-58946	-26198	509890	-509890	LU 12	8.65	Si
50	18.1	1.8	0	1,2,3,4	58496	-58496	-25998	509890	-509890	LU 12	8.717	Si
80	18.1	0.9	0	2,3,4	58052	-58052	-25801	509890	-509890	LU 12	8.783	Si
200	18.1	0.9	0	2,3,4	-64659	-82665	-25011	-569122	-727609	LU 12	8.802	Si
110	18.1	0.9	0	2,3,4	-57607	-57607	-25603	-509890	-509890	LU 12	8.851	Si
140	18.1	0.9	0	2,3,4	-57163	-59675	-25406	-509890	-532292	LU 12	8.92	Si
170	18.1	0.9	0	2,3,4	-56719	-71182	-25208	-509890	-639911	LU 12	8.99	Si
449	18.1	2.3	0	2,3,4,5	108031	74049	-9335	997500	683730	LU 11	9.233	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-354	-7669	LU 11	6161	3526	26357	2.5	17.42	-396	-8133	LU 12	6222	3526	26420	2.5	15.7	Si
741	2X/2Y ø6/25	-354	-7818	LU 11	6181	3526	26377	2.5	17.47	-396	-8282	LU 12	6241	3526	26440	2.5	15.74	Si
712	2X/2Y ø6/25	-354	-7970	LU 11	6200	3526	26398	2.5	17.53	-396	-8434	LU 12	6261	3526	26460	2.5	15.79	Si
683	2X/2Y ø6/25	-354	-8121	LU 11	6220	3526	26418	2.5	17.59	-396	-8586	LU 12	6281	3526	26481	2.5	15.84	Si
653	2X/2Y ø6/25	-354	-8273	LU 11	6240	3526	26439	2.5	17.64	-396	-8737	LU 12	6300	3526	26501	2.5	15.89	Si
624	2X/2Y ø6/25	-354	-8425	LU 11	6260	3526	26459	2.5	17.7	-396	-8889	LU 12	6320	3526	26522	2.5	15.94	Si
595	2X/2Y ø6/25	-354	-8576	LU 11	6279	3526	26479	2.5	17.75	-396	-9041	LU 12	6340	3526	26542	2.5	15.99	Si
566	2X/2Y ø6/25	-354	-8728	LU 11	6299	3526	26500	2.5	17.81	-396	-9192	LU 12	6360	3526	26562	2.5	16.04	Si
350	2X/2Y ø6/24	-390	-21545	LU 17	9219	4203	35545	2.5	23.64	-592	-23769	LU 11	9513	4203	35850	2.5	16.06	Si
537	2X/2Y ø6/25	-354	-8880	LU 11	6319	3526	26520	2.5	17.86	-396	-9344	LU 12	6379	3526	26583	2.5	16.09	Si
320	2X/2Y ø6/24	-390	-21740	LU 17	9245	4203	35572	2.5	23.71	-592	-23964	LU 11	9539	4203	35876	2.5	16.11	Si
508	2X/2Y ø6/25	-354	-9031	LU 11	6339	3526	26541	2.5	17.92	-396	-9496	LU 12	6399	3526	26603	2.5	16.14	Si
290	2X/2Y ø6/24	-390	-21937	LU 17	9271	4203	35599	2.5	23.77	-592	-24161	LU 11	9565	4203	35903	2.5	16.15	Si
478	2X/2Y ø6/25	-354	-9183	LU 11	6358	3526	26561	2.5	17.98	-396	-9647	LU 12	6419	3526	26624	2.5	16.19	Si
260	2X/2Y ø6/24	-390	-22134	LU 17	9297	4203	35626	2.5	23.84	-592	-24358	LU 11	9591	4203	35931	2.5	16.19	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
350	-110984	-107247	-18109	RA 3	-19.5	-110984	-107247	-18109	RA 3	-251.7	Si
320	-98196	-98582	-18258	RA 3	-18.4	-98196	-98582	-18258	RA 3	-239.6	Si
290	-85190	-89770	-18410	RA 3	-17.3	-85190	-89770	-18410	RA 3	-227.2	Si
260	-72185	-80957	-18562	RA 3	-16.2	-72185	-80957	-18562	RA 3	-214.9	Si
420	87194	63297	-7679	RA 3	-15.2	78616	60705	-8939	RA 9	-184.6	Si
230	-59180	-72145	-18714	RA 3	-15.2	-59180	-72145	-18714	RA 3	-202.5	Si
200	-46146	-63314	-18866	RA 3	-14.1	-46146	-63314	-18866	RA 3	-190.1	Si
449	78761	55808	-7565	RA 3	-13.9	70337	53847	-8824	RA 9	-171.4	Si
170	-33169	-54521	-19017	RA 3	-13	-33169	-54521	-19017	RA 3	-177.8	Si
478	70181	48189	-7448	RA 3	-12.7	61913	46870	-8707	RA 9	-158	Si
140	-20164	-45709	-19169	RA 3	-11.9	-20164	-45709	-19169	RA 3	-165.5	Si
508	53488	39892	-8591	RA 9	-11.5	53488	39892	-8591	RA 9	-144.6	Si
-10	44646	-1795	-19926	RA 3	-11.2	44646	-1795	-19926	RA 3	-158.5	Si
20	33664	-10655	-19704	RA 9	-10.9	33664	-10655	-19704	RA 9	-155.8	Si
110	-7158	-36896	-19321	RA 3	-10.8	-7158	-36896	-19321	RA 3	-153.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
350	-81050	-104728	-16357	QP 2	-17	Si
320	-70987	-96270	-16506	QP 2	-16.1	Si
290	-60753	-87669	-16658	QP 2	-15.2	Si
260	-50520	-79068	-16810	QP 2	-14.2	Si
420	66984	59548	-7710	QP 2	-13.4	Si
230	-40287	-70468	-16962	QP 2	-13.3	Si
200	-30031	-61848	-17114	QP 2	-11.8	Si
449	59989	52451	-7595	QP 2	-12.3	Si
170	-19820	-53266	-17266	QP 2	-11.4	Si
478	52871	45229	-7478	QP 2	-11.2	Si
140	-9586	-44665	-17418	QP 2	-10.5	Si
-10	41410	-1804	-18174	QP 2	-10.2	Si
508	45753	38008	-7362	QP 2	-10.1	Si
20	31479	-10151	-18027	QP 2	-10.1	Si
50	21114	-18863	-17873	QP 2	-9.9	Si

Pilastrata 54

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	87705	155957	-38980	482739	858404	LU 18	5.504	Si
20	18.1	1.8	0	1,2,3,4	87274	142832	-38789	490764	803183	LU 18	5.623	Si
50	18.1	1.8	0	1,2,3,4	86824	129134	-38589	499049	742236	LU 18	5.748	Si
80	18.1	0.9	0	2,3,4	86380	115609	-38391	507046	678622	LU 18	5.87	Si
110	18.1	0.9	0	2,3,4	85936	102085	-38194	509890	605711	LU 18	5.933	Si
140	18.1	0.9	0	2,3,4	85491	88561	-37996	509890	528197	LU 18	5.964	Si
170	18.1	0.9	0	2,3,4	85047	85047	-37799	509890	509890	LU 18	5.995	Si
200	18.1	0.9	0	2,3,4	84604	84604	-37602	509890	509890	LU 18	6.027	Si
230	18.1	0.9	0	2,3,4	84159	84159	-37404	509890	509890	LU 18	6.059	Si
260	18.1	0.9	0	2,3,4	83715	83715	-37206	509890	509890	LU 18	6.091	Si
290	18.1	0.9	0	2,3,4	83270	83270	-37009	509890	509890	LU 18	6.123	Si
320	18.1	0.9	0	2,3,4	82826	82826	-36812	509890	509890	LU 18	6.156	Si
350	18.1	0.9	0	2,3,4	82389	-82389	-36617	509890	-509890	LU 18	6.189	Si
420	18.1	2.3	0	2,3,4,5	-34628	-188424	-17314	-232096	-1262905	LU 18	6.702	Si
449	18.1	2.3	0	2,3,4,5	-34330	-161875	-17165	-251084	-1183915	LU 18	7.314	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	926	-15499	LU 18	7180	3562	27411	2.5	7.75	-92	-15499	LU 18	7180	3562	27411	2.5	78.31	Si
741	2X/2Y ø6/24.8	926	-15649	LU 18	7200	3562	27431	2.5	7.77	-92	-15649	LU 18	7200	3562	27431	2.5	78.52	Si
712	2X/2Y ø6/24.8	926	-15800	LU 18	7219	3562	27452	2.5	7.8	-92	-15800	LU 18	7219	3562	27452	2.5	78.73	Si
683	2X/2Y ø6/24.8	926	-15952	LU 18	7239	3562	27472	2.5	7.82	-92	-15952	LU 18	7239	3562	27472	2.5	78.95	Si
653	2X/2Y ø6/24.8	926	-16104	LU 18	7259	3562	27493	2.5	7.84	-92	-16104	LU 18	7259	3562	27493	2.5	79.16	Si
624	2X/2Y ø6/24.8	926	-16255	LU 18	7279	3562	27513	2.5	7.86	-92	-16255	LU 18	7279	3562	27513	2.5	79.38	Si
595	2X/2Y ø6/24.8	926	-16407	LU 18	7298	3562	27534	2.5	7.88	-92	-16407	LU 18	7298	3562	27534	2.5	79.59	Si
566	2X/2Y ø6/24.8	926	-16559	LU 18	7318	3562	27554	2.5	7.9	-92	-16559	LU 18	7318	3562	27554	2.5	79.81	Si
537	2X/2Y ø6/24.8	926	-16710	LU 18	7338	3562	27574	2.5	7.92	-92	-16710	LU 18	7338	3562	27574	2.5	80.02	Si
508	2X/2Y ø6/24.8	926	-16862	LU 18	7358	3562	27595	2.5	7.94	-92	-16862	LU 18	7358	3562	27595	2.5	80.24	Si
478	2X/2Y ø6/24.8	926	-17014	LU 18	7377	3562	27615	2.5	7.97	-92	-17014	LU 18	7377	3562	27615	2.5	80.45	Si
449	2X/2Y ø6/24.8	926	-17165	LU 18	7397	3562	27636	2.5	7.99	-92	-17165	LU 18	7397	3562	27636	2.5	80.67	Si
420	2X/2Y ø6/24.8	926	-17314	LU 18	7416	3562	27656	2.5	8.01	-92	-17314	LU 18	7416	3562	27656	2.5	80.88	Si
350	2X/2Y ø6/23.9	-454	-33528	LU 13	10805	4223	37186	2.5	23.79	-150	-36043	LU 11	11138	4223	37530	2.5	74.07	Si
320	2X/2Y ø6/23.9	-454	-33723	LU 13	10830	4223	37212	2.5	23.84	-150	-36237	LU 11	11163	4223	37557	2.5	74.24	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	64747	118350	-29592	RA 9	-22.6	64747	118350	-29592	RA 9	-305.2	Si
20	61478	108265	-29445	RA 9	-21.9	61478	108265	-29445	RA 9	-296.1	Si
50	58067	97739	-29291	RA 9	-21.1	58067	97739	-29291	RA 9	-286.6	Si
80	54699	87347	-29139	RA 9	-20.3	54699	87347	-29139	RA 9	-277.2	Si
110	51331	76955	-28987	RA 9	-19.5	51331	76955	-28987	RA 9	-267.8	Si
140	47963	66563	-28835	RA 9	-18.7	47963	66563	-28835	RA 9	-258.4	Si
420	-8769	-141651	-13148	RA 9	-18.1	-8769	-141651	-13148	RA 9	-227.3	Si
170	44595	56171	-28684	RA 9	-17.9	44595	56171	-28684	RA 9	-249	Si
200	41235	45802	-28532	RA 9	-17.1	41235	45802	-28532	RA 9	-239.6	Si
449	-10740	-121698	-13033	RA 9	-16.7	-10740	-121698	-13033	RA 9	-211.8	Si
230	37860	35387	-28380	RA 9	-16.3	37860	35387	-28380	RA 9	-230.2	Si
770	-32761	101264	-11752	RA 9	-16.1	-32761	101264	-11752	RA 9	-202.8	Si
260	33476	27193	-28091	RA 3	-15.5	34492	24995	-28228	RA 9	-220.7	Si
478	-12745	-101397	-12916	RA 9	-15.3	-12745	-101397	-12916	RA 9	-196.1	Si
290	30046	17008	-27939	RA 3	-14.7	31124	14604	-28076	RA 9	-211.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	60963	110841	-27692	QP 2	-21.2	Si
20	57840	100887	-27544	QP 2	-20.5	Si
50	54579	90498	-27391	QP 2	-19.7	Si
80	51360	80241	-27239	QP 2	-18.9	Si
110	48141	69985	-27087	QP 2	-18.1	Si
140	44922	59728	-26935	QP 2	-17.3	Si
170	41703	49471	-26783	QP 2	-16.5	Si
420	-8492	-125740	-12204	QP 2	-16.4	Si
200	38491	39236	-26632	QP 2	-15.7	Si
449	-10150	-108119	-12089	QP 2	-15.2	Si
230	35266	28957	-26479	QP 2	-15	Si
770	-28679	88780	-10808	QP 2	-14.4	Si
260	32047	18701	-26327	QP 2	-14.2	Si
478	-11837	-90191	-11972	QP 2	-13.9	Si
290	28828	8444	-26176	QP 2	-13.4	Si

Pilastrata 54A

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4
Campata da -22 a 408 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -80, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -80 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 411.6, 34.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3	-82209	1772918	-22419	-40956	883262	LU 12	0.498	No
350	18.1	0.9	0	3	76517	-1598845	-20056	42174	-881230	LU 12	0.551	No
20	18.1	1.8	0	2,3	-70513	1499513	-22229	-43664	928536	LU 11	0.619	No
320	18.1	0.9	0	3	63474	-1321778	-20250	45115	-939474	LU 12	0.711	No
50	18.1	1.8	0	2,3	-56873	1214150	-22029	-47121	1005947	LU 11	0.829	No
290	18.1	0.9	0	3	50210	-1040015	-20448	50440	-1044775	LU 12	1.005	Si
80	18.1	0.9	0	3	-49121	932422	-21832	-60697	1152150	LU 11	1.236	Si
260	18.1	0.9	0	3	46452	-758252	-20645	78449	-1280556	LU 12	1.689	Si
110	18.1	0.9	0	3	-48677	650694	-21634	-110583	1478220	LU 11	2.272	Si
-80	18.1	0.9	0	2	252972	-666063	-40825	603540	-1589087	LU 12	2.386	Si
-110	18.1	0.9	0	2	213736	-620940	-41020	565364	-1642484	LU 12	2.645	Si
-140	18.1	0.9	0	2	173834	-575052	-41217	508342	-1681627	LU 12	2.924	Si
-170	18.1	0.9	0	2	133932	-529165	-41414	431162	-1703523	LU 12	3.219	Si
-200	18.1	0.9	0	2	93634	-482537	-41615	327628	-1688415	LU 12	3.499	Si
230	18.1	0.9	0	3	46896	-476489	-20843	171522	-1742748	LU 12	3.657	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-9392	-20056	LU 12	9022	4203	35342	2.5	0.96	449	-20058	LU 11	9022	4203	35342	2.5	20.1	No
320	2X/2Y ø6/24	-9392	-20250	LU 12	9048	4203	35368	2.5	0.96	449	-20252	LU 11	9048	4203	35368	2.5	20.16	No
290	2X/2Y ø6/24	-9392	-20448	LU 12	9074	4203	35395	2.5	0.97	449	-20450	LU 11	9074	4203	35395	2.5	20.21	No
260	2X/2Y ø6/24	-9392	-20645	LU 12	9100	4203	35422	2.5	0.97	449	-20647	LU 11	9100	4203	35422	2.5	20.27	No
230	2X/2Y ø6/24	-9392	-20843	LU 12	9126	4203	35449	2.5	0.97	449	-20845	LU 11	9126	4203	35449	2.5	20.33	No
200	2X/2Y ø6/24	-9392	-21041	LU 12	9152	4203	35476	2.5	0.97	449	-21042	LU 11	9152	4203	35477	2.5	20.39	No
170	2X/2Y ø6/24	-9392	-21238	LU 12	9178	4203	35503	2.5	0.98	449	-21239	LU 11	9178	4203	35504	2.5	20.45	No
140	2X/2Y ø6/24	-9392	-21435	LU 12	9204	4203	35530	2.5	0.98	449	-21437	LU 11	9205	4203	35531	2.5	20.51	No
110	2X/2Y ø6/24	-9392	-21633	LU 12	9230	4203	35557	2.5	0.98	449	-21634	LU 11	9231	4203	35558	2.5	20.56	No
80	2X/2Y ø6/24	-9392	-21830	LU 12	9257	4203	35584	2.5	0.99	449	-21832	LU 11	9257	4203	35585	2.5	20.62	No
50	2X/2Y ø6/24	-9392	-22027	LU 12	9283	4203	35611	2.5	0.99	449	-22029	LU 11	9283	4203	35612	2.5	20.68	No
20	2X/2Y ø6/24	-9392	-22227	LU 12	9309	4203	35639	2.5	0.99	449	-22229	LU 11	9309	4203	35639	2.5	20.74	No
-10	2X/2Y ø6/24	-9392	-22419	LU 12	9335	4203	35665	2.5	0.99	449	-22421	LU 11	9335	4203	35665	2.5	20.8	No
-80	2X/2Y ø6/24.7	-1530	-40825	LU 12	11770	4082	38185	2.5	7.7	1330	-40825	LU 12	11770	4082	38185	2.5	8.85	Si
-110	2X/2Y ø6/24.7	-1530	-41020	LU 12	11796	4082	38211	2.5	7.71	1330	-41020	LU 12	11796	4082	38211	2.5	8.87	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	-57899	1311163	-16771	RA 2	-121.8	-57899	1311163	-16771	RA 2	3290.3	No
350	54389	-1183039	-14954	RA 2	-110.6	54389	-1183039	-14954	RA 2	2980.9	No
20	-48793	1108897	-16624	RA 2	-103.8	-48793	1108897	-16624	RA 2	2659.5	No
320	45162	-978084	-15103	RA 2	-91.8	44595	-978335	-15102	RA 3	2326.7	No
50	-39288	897778	-16470	RA 2	-84.3	-39288	897778	-16470	RA 2	2003.7	No
290	35779	-769655	-15255	RA 2	-72.6	35347	-769883	-15254	RA 3	1665.4	Si
80	-29905	689349	-16318	RA 2	-64.9	-29905	689349	-16318	RA 2	1361.8	Si
260	26395	-561225	-15407	RA 2	-53.1	26098	-561430	-15405	RA 3	1013.5	Si
-80	188142	-494609	-30494	RA 3	-59.4	188142	-494609	-30494	RA 3	-709	Si
-110	158961	-461108	-30644	RA 3	-53.7	158961	-461108	-30644	RA 3	-649.2	Si
110	-20522	480920	-16166	RA 2	-45.2	-20522	480920	-16166	RA 2	735.3	Si
-140	129284	-427039	-30795	RA 3	-48.2	129284	-427039	-30795	RA 3	-590.5	Si
-170	99608	-392971	-30947	RA 3	-42.9	99608	-392971	-30947	RA 3	-534.6	Si
-200	69453	-358353	-31102	RA 3	-36.4	69453	-358353	-31102	RA 3	-464.7	Si
230	16850	-352978	-15557	RA 3	-33.2	16850	-352978	-15557	RA 3	396.4	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	-28803	1071766	-14606	QP 2	-97.9	No
350	30377	-971348	-12789	QP 2	-89.2	Si
20	-24004	906081	-14459	QP 2	-83	Si
320	25514	-803460	-12938	QP 2	-74.1	Si
50	-18994	733144	-14305	QP 2	-67.4	Si
290	20569	-632726	-13090	QP 2	-58.7	Si
80	-14049	562410	-14153	QP 2	-51.9	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
-80	158687	-413745	-26355	QP 2	-49.7	Si
-110	134071	-385753	-26504	QP 2	-44.9	Si
260	15623	-461993	-13242	QP 2	-43.1	Si
-140	109039	-357287	-26656	QP 2	-40.3	Si
110	-9104	391676	-14001	QP 2	-36.1	Si
-170	84007	-328820	-26808	QP 2	-33.7	Si
-200	58571	-299895	-26962	QP 2	-30.9	Si
-230	33943	-271888	-27112	QP 2	-28.1	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-10	-37116	1140165	-15225	FR 2	-14978	460099	460099	2810	476.7	0.019	57.43	0.0527	Si	No
350	37238	-1031831	-13407	FR 2	16489	-456897	-456897	2566.9	479.6	0.0189	57.74	0.046	Si	No
20	-31086	964028	-15077	FR 2	-15148	469756	469756	2265	469.5	0.0193	58.01	0.0383	Si	Si
320	31128	-853353	-13557	FR 2	17093	-468607	-468607	1999.5	470.7	0.0192	56.95	0.0332	Si	Si
50	-24793	780182	-14924	FR 2	-15422	485294	485294	1698.8	457.9	0.0198	55.78	0.0276	Si	Si
290	24914	-671849	-13709	FR 2	18102	-488146	-488146	1426.2	456	0.0198	55.64	0.0231	Si	Si
80	-18579	598678	-14772	FR 2	-15896	512228	512228	1145.1	438.2	0.0206	53.95	0.018	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-10	-28803	1071766	-14606	QP 2	-12472	464082	464082	2618	473.8	0.0191	57.08	0.0472	Si	No
350	30377	-971348	-12789	QP 2	14385	-459976	-459976	2401.3	477.2	0.019	57.45	0.0413	Si	No
20	-24004	906081	-14459	QP 2	-12561	474133	474133	2107.4	466.3	0.0194	57.64	0.0354	Si	No
320	25514	-803460	-12938	QP 2	14988	-471986	-471986	1868.8	468.2	0.0193	56.65	0.0308	Si	No
50	-18994	733144	-14305	QP 2	-12704	490336	490336	1576.9	454.4	0.0199	55.38	0.0254	Si	Si
290	20569	-632726	-13090	QP 2	15995	-492044	-492044	1330.6	453.2	0.02	55.32	0.0214	Si	Si
80	-14049	562410	-14153	QP 2	-12953	518521	518521	1058.5	434.1	0.0208	53.49	0.0165	Si	Si

Pilastrata 55

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.6	-17.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	-17.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4
Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -80, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -80 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	1.8	0	1,2	-246566	-362888	-93201	-565539	-832344	LU 12	2.294	Si
-470	18.1	1.8	0	1,2	-216140	-324574	-93007	-510843	-767125	LU 12	2.363	Si
-440	18.1	1.8	0	1,2	-208820	-285610	-92809	-505527	-691424	LU 12	1.821	Si
-410	18.1	0.9	0	2	-208376	-246645	-92612	-509890	-603534	LU 12	1.847	Si
-380	18.1	0.9	0	2	-207932	-207932	-92414	-509890	-509890	LU 12	1.852	Si
-350	18.1	0.9	0	2	-207488	-207488	-92217	-509890	-509890	LU 12	1.857	Si
-320	18.1	0.9	0	2	-207043	-207043	-92019	-509890	-509890	LU 12	1.863	Si
-290	18.1	0.9	0	2	-206599	-206599	-91822	-509890	-509890	LU 12	1.868	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-260	18.1	0.9	0	2	206155	-206155	-91624	509890	-509890	LU 12	1.873	Si
-230	18.1	0.9	0	2	205711	-205711	-91427	509890	-509890	LU 12	1.879	Si
-200	18.1	0.9	0	2	205274	205274	-91233	509890	509890	LU 12	1.884	Si
-170	18.1	0.9	0	2	204822	204822	-91032	509890	509890	LU 12	1.889	Si
-140	18.1	0.9	0	2	204378	204378	-90835	509890	509890	LU 12	1.895	Si
-110	18.1	0.9	0	2	203934	203934	-90637	509890	509890	LU 12	2.5	Si
-80	18.1	0.9	0	2	203497	203497	-90443	509890	509890	LU 12	2.506	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	3668	-42020	LU 11	11928	4203	38348	2.5	3.25	693	-42020	LU 11	11928	4203	38348	2.5	17.21	Si
320	2X/2Y ø6/24	3668	-42214	LU 11	11954	4203	38375	2.5	3.26	693	-42214	LU 11	11954	4203	38375	2.5	17.25	Si
290	2X/2Y ø6/24	3668	-42412	LU 11	11980	4203	38402	2.5	3.27	693	-42412	LU 11	11980	4203	38402	2.5	17.28	Si
260	2X/2Y ø6/24	3668	-42609	LU 11	12006	4203	38429	2.5	3.27	693	-42609	LU 11	12006	4203	38429	2.5	17.32	Si
230	2X/2Y ø6/24	3668	-42806	LU 11	12032	4203	38456	2.5	3.28	693	-42806	LU 11	12032	4203	38456	2.5	17.36	Si
200	2X/2Y ø6/24	3668	-43004	LU 11	12059	4203	38483	2.5	3.29	693	-43004	LU 11	12059	4203	38483	2.5	17.4	Si
170	2X/2Y ø6/24	3668	-43201	LU 11	12085	4203	38510	2.5	3.29	693	-43201	LU 11	12085	4203	38510	2.5	17.44	Si
140	2X/2Y ø6/24	3668	-43399	LU 11	12111	4203	38537	2.5	3.3	693	-43399	LU 11	12111	4203	38537	2.5	17.47	Si
110	2X/2Y ø6/24	3668	-43596	LU 11	12137	4203	38564	2.5	3.31	693	-43596	LU 11	12137	4203	38564	2.5	17.51	Si
80	2X/2Y ø6/24	3668	-43794	LU 11	12163	4203	38591	2.5	3.32	693	-43794	LU 11	12163	4203	38591	2.5	17.55	Si
50	2X/2Y ø6/24	3668	-43991	LU 11	12189	4203	38618	2.5	3.32	693	-43991	LU 11	12189	4203	38618	2.5	17.59	Si
20	2X/2Y ø6/24	3668	-44191	LU 11	12216	4203	38646	2.5	3.33	693	-44191	LU 11	12216	4203	38646	2.5	17.62	Si
-10	2X/2Y ø6/24	3668	-44383	LU 11	12241	4203	38672	2.5	3.34	693	-44383	LU 11	12241	4203	38672	2.5	17.66	Si
770	2X/2Y ø6/25	901	-4874	LU 11	5798	3526	25981	2.5	6.44	415	-5120	LU 12	5830	3526	26014	2.5	14.04	Si
741	2X/2Y ø6/25	901	-5023	LU 11	5817	3526	26001	2.5	6.46	415	-5269	LU 12	5849	3526	26034	2.5	14.09	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-500	-182665	-263355	-70063	RA 3	-54.3	-182665	-263355	-70063	RA 3	-730.3	Si
-470	-160136	-235914	-69913	RA 3	-51.6	-160136	-235914	-69913	RA 3	-698.8	Si
-10	-103199	-474645	-33549	RA 2	-50.4	-103199	-474645	-33549	RA 2	-620	Si
350	77648	484951	-31731	RA 2	-49.4	77648	484951	-31731	RA 2	-602.6	Si
-440	-137226	-208007	-69761	RA 3	-48.8	-137226	-208007	-69761	RA 3	-666.7	Si
420	-59254	-237243	-5312	RA 2	-36.6	-59254	-237243	-5312	RA 2	688.5	Si
-410	-114315	-180101	-69610	RA 3	-46	-114315	-180101	-69610	RA 3	-634.7	Si
-80	137323	126405	-67942	RA 3	-43.6	137323	126405	-67942	RA 3	-605	Si
-380	-91404	-152194	-69458	RA 3	-43.2	-91404	-152194	-69458	RA 3	-602.6	Si
20	-88533	-396827	-33402	RA 2	-42.8	-88533	-396827	-33402	RA 2	-538	Si
449	-50863	-219050	-5197	RA 2	-33.3	-50863	-219050	-5197	RA 2	613.6	Si
320	62788	406098	-31881	RA 2	-41.5	62788	406098	-31881	RA 2	-520	Si
-110	114794	98964	-68091	RA 3	-41	114794	98964	-68091	RA 3	-575.4	Si
-350	-68493	-124288	-69306	RA 3	-40.5	-68493	-124288	-69306	RA 3	-570.6	Si
-140	91883	71057	-68243	RA 3	-38.4	91883	71057	-68243	RA 3	-545.4	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-500	-150625	-191704	-62578	QP 2	-45.5	Si
-470	-132103	-173452	-62429	QP 2	-43.5	Si
-440	-113267	-154890	-62277	QP 2	-41.4	Si
-410	-94431	-136329	-62125	QP 2	-39.4	Si
-380	-75595	-117767	-61973	QP 2	-37.3	Si
-10	-76070	-348512	-30857	QP 2	-36.1	Si
-80	112450	67541	-60457	QP 2	-35.9	Si
350	56748	368522	-29040	QP 2	-35.3	Si
-350	-56759	-99205	-61821	QP 2	-35.2	Si
-110	93928	49289	-60606	QP 2	-34	Si
-320	-37923	-80643	-61670	QP 2	-33.2	Si
20	-65299	-290365	-30710	QP 2	-32.3	Si
-140	75092	30727	-60758	QP 2	-32.1	Si
320	45834	309601	-29189	QP 2	-31.7	Si
-290	-19087	-62082	-61518	QP 2	-31.1	Si

Pilastrata 56

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4

Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -45 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	62888	681746	-31444	122070	1323302	LU 12	1.941	Si
449	18.1	2.3	0	2,3,4,5	62590	588781	-31295	146764	1380598	LU 12	2.345	Si
478	18.1	2.3	0	2,3,4,5	62287	494195	-31143	175396	1391620	LU 12	2.816	Si
770	18.1	1.1	0	5	-63867	-473232	-31933	-186052	-1378587	LU 18	2.913	Si
350	18.1	0.9	0	2,3,4	-129021	-504764	-57343	-376896	-1474514	LU 12	2.921	Si
320	18.1	0.9	0	2,3,4	-129458	-463463	-57537	-391394	-1401200	LU 12	3.023	Si
290	18.1	0.9	0	2,3,4	-129902	-421462	-57734	-406774	-1319761	LU 12	3.131	Si
260	18.1	0.9	0	2,3,4	-130346	-379461	-57932	-423011	-1231457	LU 12	3.245	Si
508	18.1	1.1	0	5	66592	391207	-33296	221729	1302597	LU 18	3.33	Si
230	18.1	0.9	0	2,3,4	-130791	-337460	-58129	-439358	-1133611	LU 12	3.359	Si
741	18.1	1.1	0	5	-64165	-378650	-32083	-221124	-1304892	LU 18	3.446	Si
200	18.1	0.9	0	2,3,4	-131236	-295369	-58327	-456767	-1028032	LU 12	3.481	Si
170	18.1	0.9	0	2,3,4	-131679	-253458	-58524	-474586	-913490	LU 12	3.604	Si
140	18.1	0.9	0	2,3,4	-132123	-211457	-58721	-492810	-788719	LU 12	3.73	Si
-10	18.1	1.8	0	1,2,3,4	-134337	-134337	-59705	-509890	-509890	LU 12	3.796	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-3243	-29629	LU 12	9019	3526	29313	2.5	2.78	-282	-28585	LU 10	8883	3526	29173	2.5	31.51	Si
741	2X/2Y ø6/25	-3243	-29778	LU 12	9038	3526	29334	2.5	2.79	-282	-28734	LU 10	8902	3526	29193	2.5	31.58	Si
712	2X/2Y ø6/25	-3243	-29930	LU 12	9058	3526	29354	2.5	2.79	-282	-28886	LU 10	8922	3526	29213	2.5	31.65	Si
683	2X/2Y ø6/25	-3243	-30082	LU 12	9078	3526	29374	2.5	2.8	-282	-29038	LU 10	8942	3526	29234	2.5	31.72	Si
653	2X/2Y ø6/25	-3243	-30233	LU 12	9098	3526	29395	2.5	2.81	-282	-29189	LU 10	8962	3526	29254	2.5	31.79	Si
624	2X/2Y ø6/25	-3243	-30385	LU 12	9117	3526	29415	2.5	2.81	-282	-29341	LU 10	8981	3526	29275	2.5	31.86	Si
595	2X/2Y ø6/25	-3243	-30537	LU 12	9137	3526	29436	2.5	2.82	-282	-29493	LU 10	9001	3526	29295	2.5	31.93	Si
566	2X/2Y ø6/25	-3243	-30688	LU 12	9157	3526	29456	2.5	2.82	-282	-29644	LU 10	9021	3526	29315	2.5	32	Si
537	2X/2Y ø6/25	-3243	-30840	LU 12	9176	3526	29476	2.5	2.83	-282	-29796	LU 10	9041	3526	29336	2.5	32.07	Si
508	2X/2Y ø6/25	-3243	-30992	LU 12	9196	3526	29497	2.5	2.84	-282	-29948	LU 10	9060	3526	29356	2.5	32.14	Si
478	2X/2Y ø6/25	-3243	-31143	LU 12	9216	3526	29517	2.5	2.84	-282	-30099	LU 10	9080	3526	29377	2.5	32.21	Si
449	2X/2Y ø6/25	-3243	-31295	LU 12	9236	3526	29538	2.5	2.85	-282	-30251	LU 10	9100	3526	29397	2.5	32.28	Si
420	2X/2Y ø6/25	-3243	-31444	LU 12	9255	3526	29558	2.5	2.85	-282	-30400	LU 10	9119	3526	29417	2.5	32.35	Si
80	2X/2Y ø6/24	-1403	-58550	LU 11	12670	4203	40611	2.5	9.03	-72	-58550	LU 11	12670	4203	40611	2.5	176.87	Si
110	2X/2Y ø6/24	-1403	-58352	LU 11	12670	4203	40584	2.5	9.03	-72	-58352	LU 11	12670	4203	40584	2.5	176.87	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	40567	514604	-24081	RA 3	-67.2	41314	510283	-23648	RA 2	778.4	Si
449	34765	444136	-23966	RA 3	-57.9	33632	440730	-25502	RA 9	-654.3	Si
478	28862	372440	-23849	RA 3	-48.5	27924	367936	-25385	RA 9	-566	Si
770	-29063	-358758	-24221	RA 9	-46.9	-29063	-358758	-24221	RA 9	-551.4	Si
350	-31001	-381090	-43232	RA 3	-40.8	-31001	-381090	-43232	RA 3	-534.3	Si
508	22959	300743	-23733	RA 3	-39.5	22959	300743	-23733	RA 3	-477.6	Si
320	-29410	-349461	-43381	RA 3	-39.1	-29410	-349461	-43381	RA 3	-515	Si
290	-27791	-317296	-43533	RA 3	-37.4	-27791	-317296	-43533	RA 3	-495.3	Si
741	-23453	-287212	-24335	RA 9	-35.8	-23453	-287212	-24335	RA 9	-446.9	Si
260	-26173	-285131	-43685	RA 3	-35.6	-26173	-285131	-43685	RA 3	-475.7	Si
230	-24555	-252966	-43837	RA 3	-33.9	-24555	-252966	-43837	RA 3	-456	Si
200	-22934	-220732	-43989	RA 3	-32.1	-22934	-220732	-43989	RA 3	-436.3	Si
537	16507	222347	-25152	RA 9	-31	16507	222347	-25152	RA 9	-395.2	Si
170	-21319	-188636	-44141	RA 3	-30.4	-21319	-188636	-44141	RA 3	-416.7	Si
712	-17744	-214418	-24452	RA 9	-30.1	-17744	-214418	-24452	RA 9	-384.2	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	42772	468646	-23464	QP 2	-61.8	Si
449	36648	403173	-23349	QP 2	-53.1	Si
478	30416	336557	-23232	QP 2	-44.4	Si
770	-31793	-328457	-22068	QP 2	-43.5	Si
350	-29510	-348217	-39124	QP 2	-37.2	Si
320	-27943	-317210	-39274	QP 2	-35.5	Si
508	24185	269942	-23116	QP 2	-34	Si
290	-26349	-285677	-39426	QP 2	-33.8	Si
741	-25668	-262983	-22182	QP 2	-33.1	Si
260	-24755	-254145	-39577	QP 2	-32.1	Si
230	-23160	-222612	-39729	QP 2	-30.4	Si
200	-21563	-191012	-39881	QP 2	-28.7	Si
537	17953	203326	-22999	QP 2	-28.6	Si
712	-19436	-196367	-22299	QP 2	-27.8	Si
170	-19972	-159547	-40033	QP 2	-27	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	42356	480542	-23516	FR 2	37069	420563	420563	689.7	293.4	0.0308	41.92	0.0084	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	42772	468646	-23464	QP 2	38652	423501	423501	654.7	290.8	0.0311	41.74	0.008	Si	Si

Pilastrata 57

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 14.8, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 14.8 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometriche

L'appoggio -22 ha ampiezza nulla.

Anomalie quantitativo di acciaio

Sezione a quota -16 in Campata da -22 a 408, percentuale acciaio = 0.087% < 0.3%.
Sezione a quota -10 in Campata da -22 a 408, percentuale acciaio = 0.174% < 0.3%.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	39418	-839630	-19709	42479	-904816	LU 12	1.078	Si
449	18.1	2.3	0	2,3,4,5	38285	-718603	-19142	51759	-971519	LU 11	1.352	Si
770	18.1	1.1	0	5	-80346	612181	-19509	-139573	1063446	LU 18	1.737	Si
478	18.1	2.3	0	2,3,4,5	-37982	-601903	-18991	-67892	-1075897	LU 11	1.787	Si
741	18.1	1.1	0	5	-73146	494857	-19658	-177280	1199358	LU 18	1.824	Si
508	18.1	1.1	0	5	-37678	-485203	-18839	-94698	-1219485	LU 11	2.513	Si
712	18.1	1.1	0	5	-65820	375487	-19810	-232991	1329159	LU 18	3.54	Si
537	18.1	1.1	0	5	-37375	-368503	-18687	-138446	-1365029	LU 11	3.704	Si
-22	0	0.9	0	1	-88283	88283	-39237	-428591	428591	LU 18	4.855	Si
683	18.1	1.1	0	5	-58595	268160	-20382	-286415	1310786	LU 17	4.888	Si
-17	1.47	0.9	0	1	-88202	88202	-39201	-435192	435192	LU 18	4.934	Si
566	18.1	1.1	0	5	-37907	-250319	-18953	-204147	-1348087	LU 12	5.385	Si
14	17.38	1.8	0	1,2,3,4	-87756	-87756	-39003	-506695	-506695	LU 18	5.774	Si
44	18.1	1.8	0	1,2,3,4	87303	-87303	-38802	509890	-509890	LU 18	5.84	Si
75	18.1	0.9	0	2,3,4	86845	-86845	-38598	509890	-509890	LU 18	5.871	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	4055	-17894	LU 12	7492	3562	27734	2.5	1.85	-253	-19930	LU 17	7757	3562	28008	2.5	30.6	Si
741	2X/2Y ø6/24.8	4055	-18043	LU 12	7511	3562	27754	2.5	1.85	-253	-20079	LU 17	7776	3562	28028	2.5	30.68	Si
712	2X/2Y ø6/24.8	4055	-18195	LU 12	7531	3562	27774	2.5	1.86	-253	-20231	LU 17	7796	3562	28048	2.5	30.76	Si
683	2X/2Y ø6/24.8	4055	-18347	LU 12	7551	3562	27795	2.5	1.86	-253	-20382	LU 17	7816	3562	28069	2.5	30.83	Si
653	2X/2Y ø6/24.8	4055	-18498	LU 12	7571	3562	27815	2.5	1.87	-253	-20534	LU 17	7835	3562	28089	2.5	30.91	Si
624	2X/2Y ø6/24.8	4055	-18650	LU 12	7590	3562	27836	2.5	1.87	-253	-20686	LU 17	7855	3562	28110	2.5	30.99	Si
595	2X/2Y ø6/24.8	4055	-18802	LU 12	7610	3562	27856	2.5	1.88	-253	-20837	LU 17	7875	3562	28130	2.5	31.07	Si
566	2X/2Y ø6/24.8	4055	-18953	LU 12	7630	3562	27876	2.5	1.88	-253	-20989	LU 17	7895	3562	28150	2.5	31.15	Si
537	2X/2Y ø6/24.8	4055	-19105	LU 12	7649	3562	27897	2.5	1.89	-253	-21141	LU 17	7914	3562	28171	2.5	31.22	Si
508	2X/2Y ø6/24.8	4055	-19257	LU 12	7669	3562	27917	2.5	1.89	-253	-21292	LU 17	7934	3562	28191	2.5	31.3	Si
478	2X/2Y ø6/24.8	4055	-19408	LU 12	7689	3562	27938	2.5	1.9	-253	-21444	LU 17	7954	3562	28212	2.5	31.38	Si
449	2X/2Y ø6/24.8	4055	-19560	LU 12	7709	3562	27958	2.5	1.9	-253	-21596	LU 17	7974	3562	28232	2.5	31.46	Si
420	2X/2Y ø6/24.8	4055	-19709	LU 12	7728	3562	27978	2.5	1.91	-253	-21745	LU 17	7993	3562	28252	2.5	31.53	Si
350	2X/2Y ø6/23.9	-353	-34853	LU 17	10980	4223	37367	2.5	31.1	155	-34853	LU 17	10980	4223	37367	2.5	70.83	Si
319	2X/2Y ø6/23.9	-353	-35051	LU 17	11006	4223	37394	2.5	31.18	155	-35051	LU 17	11006	4223	37394	2.5	71	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	5282	-629106	-15180	RA 3	-75.5	5282	-629106	-15180	RA 3	1505.6	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
449	211	-541418	-15065	RA 3	-64.6	286	-538227	-14787	RA 2	1196.2	Si
770	-60981	462874	-14860	RA 9	-63.8	-60981	462874	-14860	RA 9	1026.7	Si
478	-4948	-452201	-14948	RA 3	-54.9	-4779	-450055	-14670	RA 2	901.5	Si
741	-55509	374464	-14975	RA 9	-52.3	-55509	374464	-14975	RA 9	708.2	Si
508	-10108	-362985	-14832	RA 3	-45.1	-9843	-361884	-14553	RA 2	613.9	Si
712	-50053	285273	-15372	RA 8	-40.4	-50053	285273	-15372	RA 8	-453.6	Si
537	-15267	-273768	-14715	RA 3	-35	-15267	-273768	-14715	RA 3	-393.6	Si
683	-44440	202589	-15489	RA 8	-26.4	-44440	202589	-15489	RA 8	-324.4	Si
566	-20426	-184551	-14598	RA 3	-22.9	-20426	-184551	-14598	RA 3	-283.2	Si
653	-38828	119906	-15606	RA 8	-20	-38828	119906	-15606	RA 8	-253.8	Si
350	38563	-96955	-26655	RA 8	-18.8	38563	-96955	-26655	RA 8	-257	Si
319	35017	-88881	-26807	RA 8	-18.3	35017	-88881	-26807	RA 8	-250.8	Si
289	31412	-80673	-26962	RA 8	-17.7	31412	-80673	-26962	RA 8	-244.6	Si
258	27807	-72466	-27117	RA 8	-17.2	27807	-72466	-27117	RA 8	-238.4	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	5597	-551566	-15182	QP 2	-66.6	Si
770	-55541	416498	-13786	QP 2	-57.5	Si
449	575	-472050	-15067	QP 2	-56.6	Si
478	-4534	-391147	-14951	QP 2	-47.7	Si
741	-50519	336982	-13901	QP 2	-47.1	Si
508	-9644	-310244	-14834	QP 2	-38.7	Si
712	-45458	256405	-14138	QP 1	-36.4	Si
537	-14753	-229340	-14717	QP 2	-25.8	Si
683	-40329	178617	-14254	QP 1	-23.7	Si
566	-19863	-148437	-14601	QP 2	-20.2	Si
350	35498	-88417	-25647	QP 1	-17.8	Si
653	-35201	100828	-14371	QP 1	-17.7	Si
319	32217	-80966	-25800	QP 1	-17.3	Si
289	28883	-73392	-25954	QP 1	-16.8	Si
258	25548	-65817	-26109	QP 1	-16.2	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	5502	-572515	-15102	FR 2	3620	-376650	-376650	1310	332.7	0.0272	44.1	0.0168	Si	Si
449	493	-490958	-14987	FR 2	397	-395382	-395382	1022.3	319.4	0.0283	43.88	0.0131	Si	Si
770	-55484	420399	-13706	FR 2	-45426	344188	344188	922.9	351.2	0.0258	47.69	0.0128	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	5597	-551566	-15182	QP 2	3859	-380276	-380276	1232.8	329.9	0.0274	43.86	0.0157	Si	Si
770	-55541	416498	-13786	QP 2	-46014	345053	345053	905.8	350.2	0.0258	47.63	0.0126	Si	Si
449	575	-472050	-15067	QP 2	488	-400473	-400473	953.2	315.7	0.0287	43.55	0.0121	Si	Si

Pilastrata 57A

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4
Campata da -22 a 408 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -80, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -80 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 411.6, 34.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3	577867	1681724	-21694	301294	876832	LU 11	0.521	No
350	18.1	0.9	0	3	-461091	-1526099	-19327	-264525	-875512	LU 12	0.574	No
20	18.1	1.8	0	2,3	493721	1421606	-21502	319166	918999	LU 11	0.646	No
320	18.1	0.9	0	3	-375576	-1262523	-19521	-276814	-930529	LU 12	0.737	No
50	18.1	1.8	0	2,3	407105	1149865	-21298	349202	986318	LU 12	0.858	No
290	18.1	0.9	0	3	-288612	-994480	-19718	-298213	-1027565	LU 12	1.033	Si
80	18.1	0.9	0	3	320141	881822	-21100	398402	1097392	LU 12	1.244	Si
260	18.1	0.9	0	3	-201647	-726437	-19916	-336872	-1213588	LU 12	1.671	Si
110	18.1	0.9	0	3	233176	613779	-20903	494848	1302566	LU 12	2.122	Si
-80	18.1	0.9	0	2	-193783	-668572	-39616	-488544	-1685529	LU 12	2.521	Si
-110	18.1	0.9	0	2	-163065	-622786	-39811	-451883	-1725856	LU 12	2.771	Si
-140	18.1	0.9	0	2	-131826	-576223	-40008	-400481	-1750539	LU 12	3.038	Si
-170	18.1	0.9	0	2	-100587	-529661	-40205	-333597	-1756616	LU 12	3.316	Si
230	18.1	0.9	0	3	-114682	-458394	-20113	-401221	-1603706	LU 12	3.499	Si
-200	18.1	0.9	0	2	-90914	-482348	-40406	-321886	-1707789	LU 12	3.541	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	-8935	-19327	LU 12	8925	4203	35242	2.5	1	-2899	-19327	LU 12	8925	4203	35242	2.5	3.08	No
320	2X/2Y ø6/24	-8935	-19521	LU 12	8951	4203	35268	2.5	1	-2899	-19521	LU 12	8951	4203	35268	2.5	3.09	Si
290	2X/2Y ø6/24	-8935	-19718	LU 12	8977	4203	35295	2.5	1	-2899	-19718	LU 12	8977	4203	35295	2.5	3.1	Si
260	2X/2Y ø6/24	-8935	-19916	LU 12	9003	4203	35322	2.5	1.01	-2899	-19916	LU 12	9003	4203	35322	2.5	3.11	Si
230	2X/2Y ø6/24	-8935	-20113	LU 12	9029	4203	35349	2.5	1.01	-2899	-20113	LU 12	9029	4203	35349	2.5	3.11	Si
200	2X/2Y ø6/24	-8935	-20311	LU 12	9056	4203	35376	2.5	1.01	-2899	-20311	LU 12	9056	4203	35376	2.5	3.12	Si
170	2X/2Y ø6/24	-8935	-20508	LU 12	9082	4203	35403	2.5	1.02	-2899	-20508	LU 12	9082	4203	35403	2.5	3.13	Si
140	2X/2Y ø6/24	-8935	-20706	LU 12	9108	4203	35430	2.5	1.02	-2899	-20706	LU 12	9108	4203	35430	2.5	3.14	Si
110	2X/2Y ø6/24	-8935	-20903	LU 12	9134	4203	35457	2.5	1.02	-2899	-20903	LU 12	9134	4203	35457	2.5	3.15	Si
80	2X/2Y ø6/24	-8935	-21100	LU 12	9160	4203	35485	2.5	1.03	-2899	-21100	LU 12	9160	4203	35485	2.5	3.16	Si
50	2X/2Y ø6/24	-8935	-21298	LU 12	9186	4203	35512	2.5	1.03	-2899	-21298	LU 12	9186	4203	35512	2.5	3.17	Si
20	2X/2Y ø6/24	-8935	-21498	LU 12	9213	4203	35539	2.5	1.03	-2899	-21498	LU 12	9213	4203	35539	2.5	3.18	Si
-10	2X/2Y ø6/24	-8935	-21689	LU 12	9238	4203	35565	2.5	1.03	-2899	-21689	LU 12	9238	4203	35565	2.5	3.19	Si
-80	2X/2Y ø6/24.7	-1552	-39616	LU 12	11610	4082	38019	2.5	7.48	-1043	-39626	LU 11	11612	4082	38021	2.5	11.14	Si
-110	2X/2Y ø6/24.7	-1552	-39811	LU 12	11636	4082	38046	2.5	7.5	-1043	-39820	LU 11	11637	4082	38047	2.5	11.16	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	434835	1242808	-16222	RA 3	-160.2	434835	1242808	-16222	RA 3	3699	No
350	-345855	-1128977	-14405	RA 3	-139.9	-345855	-1128977	-14405	RA 3	3293.9	No
20	371525	1050469	-16075	RA 3	-135.6	371525	1050469	-16075	RA 3	3007.3	No
320	-281704	-934081	-14554	RA 3	-115	-281704	-934081	-14554	RA 3	2578.2	No
50	305445	849713	-15921	RA 3	-109.8	305445	849713	-15921	RA 3	2287.7	No
290	-216465	-735882	-14706	RA 3	-89.6	-216465	-735882	-14706	RA 3	1854.7	No
80	240206	651513	-15769	RA 3	-84.1	240206	651513	-15769	RA 3	1582.5	Si
260	-151226	-537683	-14858	RA 3	-64.1	-151226	-537683	-14858	RA 3	1141.2	Si
110	174967	453314	-15617	RA 3	-58.1	174967	453314	-15617	RA 3	892.1	Si
-80	-144034	-496877	-29590	RA 3	-56.1	-144034	-496877	-29590	RA 3	-668.8	Si
-110	-121187	-462852	-29739	RA 3	-50.9	-121187	-462852	-29739	RA 3	-615.3	Si
-140	-97953	-428250	-29891	RA 3	-45.9	-97953	-428250	-29891	RA 3	-562.5	Si
-170	-74719	-393649	-30043	RA 3	-41.1	-74719	-393649	-30043	RA 3	-512.1	Si
230	-85988	-339483	-15010	RA 3	-38.3	-85988	-339483	-15010	RA 3	463.8	Si
-200	-51110	-358489	-30197	RA 3	-35	-51110	-358489	-30197	RA 3	-447.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	384444	1012439	-14122	QP 2	-133.8	No
350	-305412	-924432	-12305	QP 2	-117.1	No
20	328500	855369	-13975	QP 2	-113.2	No
320	-248724	-765274	-12454	QP 2	-96.2	No
50	270108	691425	-13821	QP 2	-91.5	Si
290	-191076	-603419	-12606	QP 2	-74.9	Si
80	212460	529570	-13669	QP 2	-70	Si
260	-133428	-441563	-12758	QP 2	-53.5	Si
110	154812	367714	-13517	QP 2	-48.2	Si
-80	-121205	-417519	-25569	QP 2	-47	Si
-110	-101910	-388944	-25718	QP 2	-42.7	Si
-140	-82289	-359884	-25870	QP 2	-38.5	Si
-170	-62667	-330824	-26022	QP 2	-32.3	Si
230	-75780	-279708	-12910	QP 2	-31.9	Si
-200	-42729	-301296	-26177	QP 2	-29.7	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-10	398514	1078304	-14723	FR 2	124821	337741	337741	3211.6	626	0.0145	75.02	0.0753	Si	No
350	-316715	-982828	-12906	FR 2	-112694	-349710	-349710	2874.4	564	0.016	68.97	0.061	Si	No
20	340513	911158	-14576	FR 2	127742	341816	341816	2606.4	620.9	0.0146	75.87	0.0576	Si	No
320	-257943	-813459	-13055	FR 2	-113601	-358257	-358257	2246.3	550.1	0.0164	67.69	0.0443	Si	No
50	279973	736696	-14422	FR 2	132343	348235	348235	1977.1	612.8	0.0148	74.06	0.0426	Si	No
290	-198174	-641220	-13207	FR 2	-115107	-372445	-372445	1611.5	522.6	0.0173	65.19	0.0306	Si	Si
80	220205	564457	-14270	FR 2	140044	358977	358977	1360.9	598.7	0.0151	72.91	0.0289	Si	Si
260	-138406	-468980	-13359	FR 2	-118023	-399915	-399915	986.3	471	0.0192	60.5	0.0174	Si	Si
110	160436	392217	-14118	FR 2	155871	381057	381057	759.1	567.8	0.0159	70.45	0.0156	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-10	384444	1012439	-14122	QP 2	127463	335677	335677	3017.5	630.2	0.0144	75.5	0.0684	Si	No
350	-305412	-924432	-12305	QP 2	-114906	-347803	-347803	2707.6	556.5	0.0163	68.37	0.0553	Si	No
20	328500	855369	-13975	QP 2	130481	339754	339754	2446.8	625.1	0.0145	76.34	0.0544	Si	No
320	-248724	-765274	-12454	QP 2	-115844	-356430	-356430	2114.3	539.8	0.0168	66.85	0.0412	Si	No
50	270108	691425	-13821	QP 2	135236	346179	346179	1853.4	616.8	0.0147	74.53	0.0402	Si	No
290	-191076	-603419	-12606	QP 2	-117403	-370757	-370757	1514.9	511.8	0.0177	64.35	0.0284	Si	Si
80	212460	529570	-13669	QP 2	143204	356945	356945	1272.7	602.5	0.015	73.36	0.0272	Si	Si
260	-133428	-441563	-12758	QP 2	-120422	-398520	-398520	924.9	461	0.0196	59.68	0.0161	Si	Si

Pilastrata 58

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.6	-17.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	-17.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4
Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -80, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -80 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3,4,5	550904	-758575	-42346	888139	-1222936	LU 11	1.612	Si
420	18.1	2.3	0	3,4,5,6	362366	-371551	-5691	601083	-616318	LU 11	1.659	Si
350	18.1	0.9	0	3,4,5	-425657	737613	-39983	-777767	1347777	LU 11	1.827	Si
449	18.1	2.3	0	3,4,5,6	309487	-338380	-5542	588295	-643218	LU 11	1.901	Si
20	18.1	1.8	0	2,3,4,5	471710	-637243	-42155	929150	-1255207	LU 11	1.97	Si
-500	18.1	1.8	0	1,2	443491	-351577	-89674	966787	-766420	LU 12	2.18	Si
478	18.1	2.3	0	3,4,5,6	255685	-304631	-5390	565799	-674112	LU 11	2.213	Si
-470	18.1	1.8	0	1,2	387937	-313889	-89480	883954	-715227	LU 12	2.279	Si
320	18.1	0.9	0	3,4,5	-345411	614668	-40178	-795005	1414733	LU 11	2.302	Si
-440	18.1	1.8	0	1,2	331442	-275561	-89282	789815	-656653	LU 12	2.383	Si
-80	18.1	0.9	0	2	-345557	195562	-86916	-854112	483369	LU 12	1.872	Si
-410	18.1	0.9	0	2	274947	-237234	-89085	684409	-590533	LU 12	1.889	Si
50	18.1	1.8	0	2,3,4,5	389050	-510600	-41955	977014	-1282258	LU 11	2.511	Si
-110	18.1	0.9	0	2	-290004	195999	-87110	-739015	499462	LU 12	2.548	Si
-380	18.1	0.9	0	2	218452	-199997	-88887	556941	-509890	LU 12	2.549	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	4168	-39983	LU 11	11659	4203	38070	2.5	2.8	-2720	-39983	LU 11	11659	4203	38070	2.5	4.29	Si
320	2X/2Y ø6/24	4168	-40178	LU 11	11685	4203	38096	2.5	2.8	-2720	-40178	LU 11	11685	4203	38096	2.5	4.3	Si
290	2X/2Y ø6/24	4168	-40375	LU 11	11711	4203	38123	2.5	2.81	-2720	-40375	LU 11	11711	4203	38123	2.5	4.31	Si
260	2X/2Y ø6/24	4168	-40572	LU 11	11737	4203	38150	2.5	2.82	-2720	-40572	LU 11	11737	4203	38150	2.5	4.31	Si
230	2X/2Y ø6/24	4168	-40770	LU 11	11763	4203	38177	2.5	2.82	-2720	-40770	LU 11	11763	4203	38177	2.5	4.32	Si
200	2X/2Y ø6/24	4168	-40968	LU 11	11789	4203	38204	2.5	2.83	-2720	-40968	LU 11	11789	4203	38204	2.5	4.33	Si
170	2X/2Y ø6/24	4168	-41165	LU 11	11815	4203	38231	2.5	2.83	-2720	-41165	LU 11	11815	4203	38231	2.5	4.34	Si
140	2X/2Y ø6/24	4168	-41362	LU 11	11841	4203	38258	2.5	2.84	-2720	-41362	LU 11	11841	4203	38258	2.5	4.35	Si
110	2X/2Y ø6/24	4168	-41560	LU 11	11868	4203	38285	2.5	2.85	-2720	-41560	LU 11	11868	4203	38285	2.5	4.36	Si
80	2X/2Y ø6/24	4168	-41757	LU 11	11894	4203	38312	2.5	2.85	-2720	-41757	LU 11	11894	4203	38312	2.5	4.37	Si
50	2X/2Y ø6/24	4168	-41955	LU 11	11920	4203	38339	2.5	2.86	-2720	-41955	LU 11	11920	4203	38339	2.5	4.38	Si
20	2X/2Y ø6/24	4168	-42155	LU 11	11946	4203	38367	2.5	2.87	-2720	-42155	LU 11	11946	4203	38367	2.5	4.39	Si
-10	2X/2Y ø6/24	4168	-42346	LU 11	11972	4203	38393	2.5	2.87	-2720	-42346	LU 11	11972	4203	38393	2.5	4.4	Si
770	2X/2Y ø6/25	1157	-3876	LU 11	5668	3526	25847	2.5	4.9	-1845	-3876	LU 11	5668	3526	25847	2.5	3.07	Si
741	2X/2Y ø6/25	1157	-4025	LU 11	5687	3526	25867	2.5	4.92	-1845	-4025	LU 11	5687	3526	25867	2.5	3.08	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	271801	-270718	-4554	RA 2	-70.7	271801	-270718	-4554	RA 2	1375.4	Si
-10	412058	-555267	-32023	RA 2	-85.8	412058	-555267	-32023	RA 2	-992.8	Si
449	232140	-246919	-4440	RA 2	-62.3	232140	-246919	-4440	RA 2	1190.6	Si
350	-318317	541507	-30205	RA 2	-76	-318317	541507	-30205	RA 2	-883.4	Si
20	352829	-466325	-31875	RA 2	-71	352829	-466325	-31875	RA 2	-839.7	Si
478	191787	-222705	-4323	RA 2	-53.7	191787	-222705	-4323	RA 2	1004.3	Si
320	-258300	451382	-30354	RA 2	-61.2	-258300	451382	-30354	RA 2	-731.2	Si
-500	331614	-254936	-67432	RA 3	-60.6	331614	-254936	-67432	RA 3	-799	Si
-470	290086	-227948	-67282	RA 3	-56.9	290086	-227948	-67282	RA 3	-756.2	Si
50	291007	-373489	-31721	RA 2	-56.4	291007	-373489	-31721	RA 2	-685.3	Si
508	151434	-198490	-4206	RA 2	-45.1	151434	-198490	-4206	RA 2	820.7	Si
-440	247854	-200502	-67130	RA 3	-53.1	247854	-200502	-67130	RA 3	-712.6	Si
-410	205621	-173057	-66978	RA 3	-49.4	205621	-173057	-66978	RA 3	-669	Si
-80	-258231	128385	-65310	RA 3	-49.1	-258231	128385	-65310	RA 3	-663	Si
290	-197266	359730	-30506	RA 2	-47.4	-197752	358893	-30681	RA 3	-584.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	358759	-426717	-29514	QP 2	-68.3	Si
350	-276856	423718	-27696	QP 2	-60.8	Si
420	240212	-202060	-5359	QP 2	-57.1	Si
20	307215	-357752	-29366	QP 2	-56.7	Si
-500	288024	-184564	-60322	QP 2	-51.5	Si
449	205171	-186070	-5244	QP 2	-50.4	Si
320	-224626	353835	-27846	QP 2	-49.3	Si
-470	252004	-166637	-60173	QP 2	-48.5	Si
50	253414	-285768	-29212	QP 2	-45.6	Si
-440	215375	-148406	-60021	QP 2	-45.5	Si
478	169519	-169802	-5127	QP 2	-43.5	Si
-410	178745	-130175	-59869	QP 2	-42.5	Si
-80	-223572	70060	-58201	QP 2	-41	Si
-380	142115	-111944	-59717	QP 2	-39.5	Si
290	-171510	282768	-27997	QP 2	-38.8	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-10	373988	-463446	-30231	FR 2	269095	-333462	-333462	701.7	617	0.0073	132.58	0.0271	Si	Si
420	249237	-221676	-5129	FR 2	177065	-157485	-157485	1127.6	648.8	0.0209	60.35	0.0198	Si	Si
449	212876	-203456	-5014	FR 2	172630	-164990	-164990	968.6	645.6	0.021	61.33	0.0173	Si	Si
478	175881	-184917	-4898	FR 2	166613	-175173	-175173	808.5	637.8	0.0213	62.88	0.0148	Si	Si
20	320247	-388772	-30083	FR 2	293694	-356538	-356538	469.1	158.1	0.0286	51.06	0.007	Si	Si
350	-288702	457372	-28413	FR 2	-238652	378081	378081	599.9	193.9	0.0467	38.33	0.0067	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	240212	-202060	-5359	QP 2	183478	-154337	-154337	1030.2	639.7	0.0212	59.73	0.0179	Si	Si
449	205171	-186070	-5244	QP 2	178990	-162326	-162326	881.2	637.3	0.0213	60.8	0.0156	Si	Si
-10	358759	-426717	-29514	QP 2	279997	-333035	-333035	621.2	184.1	0.0246	54.53	0.0099	Si	Si
20	307215	-357752	-29366	QP 2	307059	-357570	-357570	411.5	148.5	0.0305	49.37	0.0059	Si	Si
350	-276856	423718	-27696	QP 2	-247987	379535	379535	530.2	182.9	0.0495	37.43	0.0058	Si	Si

Pilastrata 59

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -45 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	316251	633206	-28453	505159	1011442	LU 12	1.597	Si
449	18.1	2.3	0	2,3,4,5	269050	547050	-28304	517709	1052640	LU 12	1.924	Si
770	18.1	1.1	0	5	-254276	-438597	-28899	-597977	-1031441	LU 18	2.352	Si
478	18.1	2.3	0	2,3,4,5	221026	459391	-28152	525103	1091400	LU 12	2.376	Si
741	18.1	1.1	0	5	-207935	-350817	-29048	-624581	-1053757	LU 18	3.004	Si
508	18.1	1.1	0	5	173001	371732	-28001	527846	1134193	LU 12	3.051	Si
350	18.1	0.9	0	2,3,4	-205304	-433331	-50399	-661703	-1396642	LU 12	3.223	Si
320	18.1	0.9	0	2,3,4	-187833	-401715	-50594	-628680	-1344544	LU 12	3.347	Si
290	18.1	0.9	0	2,3,4	-170066	-369564	-50791	-592031	-1286516	LU 12	3.481	Si
260	18.1	0.9	0	2,3,4	-152299	-337412	-50988	-550651	-1219941	LU 12	3.616	Si
230	18.1	0.9	0	2,3,4	-134532	-305261	-51186	-505496	-1146996	LU 12	3.757	Si
200	18.1	0.9	0	2,3,4	-116727	-273040	-51384	-454935	-1064152	LU 12	3.897	Si
712	18.1	1.1	0	5	-160787	-261506	-29200	-634404	-1031805	LU 18	3.946	Si
537	18.1	1.1	0	5	124977	284073	-27849	502148	1141380	LU 12	4.018	Si
170	18.1	0.9	0	2,3,4	-116057	-240958	-51581	-466311	-968160	LU 12	4.018	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-3005	-26638	LU 12	8630	3526	28911	2.5	2.87	-1640	-26027	LU 11	8550	3526	28829	2.5	5.21	Si
741	2X/2Y ø6/25	-3005	-26787	LU 12	8649	3526	28931	2.5	2.88	-1640	-26176	LU 11	8570	3526	28849	2.5	5.23	Si
712	2X/2Y ø6/25	-3005	-26939	LU 12	8669	3526	28951	2.5	2.88	-1640	-26328	LU 11	8589	3526	28869	2.5	5.24	Si
683	2X/2Y ø6/25	-3005	-27091	LU 12	8689	3526	28972	2.5	2.89	-1640	-26479	LU 11	8609	3526	28889	2.5	5.25	Si
653	2X/2Y ø6/25	-3005	-27242	LU 12	8708	3526	28992	2.5	2.9	-1640	-26631	LU 11	8629	3526	28910	2.5	5.26	Si
624	2X/2Y ø6/25	-3005	-27394	LU 12	8728	3526	29013	2.5	2.9	-1640	-26783	LU 11	8648	3526	28930	2.5	5.27	Si
595	2X/2Y ø6/25	-3005	-27546	LU 12	8748	3526	29033	2.5	2.91	-1640	-26934	LU 11	8668	3526	28951	2.5	5.29	Si
566	2X/2Y ø6/25	-3005	-27697	LU 12	8768	3526	29053	2.5	2.92	-1640	-27086	LU 11	8688	3526	28971	2.5	5.3	Si
537	2X/2Y ø6/25	-3005	-27849	LU 12	8787	3526	29074	2.5	2.92	-1640	-27238	LU 11	8708	3526	28992	2.5	5.31	Si
508	2X/2Y ø6/25	-3005	-28001	LU 12	8807	3526	29094	2.5	2.93	-1640	-27389	LU 11	8727	3526	29012	2.5	5.32	Si
478	2X/2Y ø6/25	-3005	-28152	LU 12	8827	3526	29115	2.5	2.94	-1640	-27541	LU 11	8747	3526	29032	2.5	5.33	Si
449	2X/2Y ø6/25	-3005	-28304	LU 12	8846	3526	29135	2.5	2.94	-1640	-27693	LU 11	8767	3526	29053	2.5	5.35	Si
420	2X/2Y ø6/25	-3005	-28453	LU 12	8866	3526	29155	2.5	2.95	-1640	-27842	LU 11	8786	3526	29073	2.5	5.36	Si
350	2X/2Y ø6/24	-1049	-42811	LU 10	12033	4203	38457	2.5	11.47	-592	-50399	LU 12	12670	4203	39495	2.5	21.39	Si
320	2X/2Y ø6/24	-1049	-43005	LU 10	12059	4203	38483	2.5	11.49	-592	-50594	LU 12	12670	4203	39522	2.5	21.39	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	239272	477725	-21815	RA 3	-87.7	238511	473599	-21407	RA 2	1095.3	Si
449	203555	412440	-21700	RA 3	-74.5	203555	412440	-21700	RA 3	-821.9	Si
770	-192811	-332347	-21926	RA 9	-62.3	-192811	-332347	-21926	RA 9	-707.9	Si
478	167216	346016	-21584	RA 3	-61.1	167216	346016	-21584	RA 3	-692.6	Si
741	-157668	-265980	-22041	RA 9	-49.5	-157668	-265980	-22041	RA 9	-580.4	Si
508	130876	279593	-21467	RA 3	-48.2	130876	279593	-21467	RA 3	-564.3	Si
350	-154656	-326837	-37990	RA 3	-42.2	-154656	-326837	-37990	RA 3	-542.5	Si
320	-141495	-302585	-38140	RA 3	-40.3	-141495	-302585	-38140	RA 3	-520.6	Si
290	-128111	-277922	-38292	RA 3	-38.3	-128111	-277922	-38292	RA 3	-498.3	Si
712	-121913	-198455	-22157	RA 9	-37.6	-121913	-198455	-22157	RA 9	-458.9	Si
260	-114727	-253260	-38443	RA 3	-36.4	-114727	-253260	-38443	RA 3	-476.1	Si
537	94537	213169	-21350	RA 3	-36.3	94537	213169	-21350	RA 3	-442.5	Si
230	-101343	-228597	-38595	RA 3	-34.4	-101343	-228597	-38595	RA 3	-453.8	Si
200	-87930	-203881	-38748	RA 3	-31.8	-87930	-203881	-38748	RA 3	-431.5	Si
170	-74574	-179271	-38899	RA 3	-30.5	-74574	-179271	-38899	RA 3	-409.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	220853	433911	-21365	QP 2	-79.7	Si
449	187868	373365	-21250	QP 2	-67.4	Si
770	-180723	-303206	-19969	QP 2	-57.5	Si
478	154307	311763	-21133	QP 2	-55.1	Si
741	-147738	-242660	-20083	QP 2	-45.6	Si
508	120746	250160	-21017	QP 2	-43.4	Si
350	-139565	-297217	-34344	QP 2	-38.2	Si
320	-127687	-273241	-34493	QP 2	-36.4	Si
712	-114177	-181057	-20200	QP 2	-34.6	Si
290	-115607	-248859	-34645	QP 2	-34.5	Si
260	-103527	-224477	-34797	QP 2	-32.6	Si
537	87186	188558	-20900	QP 2	-31.4	Si
230	-91448	-200094	-34949	QP 2	-30.8	Si
200	-79342	-175659	-35101	QP 2	-28.9	Si
170	-67289	-151329	-35253	QP 2	-27	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	225898	445251	-21377	FR 2	134920	265932	265932	978.9	457.1	0.0198	61.32	0.0175	Si	Si
449	192169	383576	-21262	FR 2	140543	280529	280529	722.6	430.5	0.021	60.23	0.0127	Si	Si
478	157851	320826	-21146	FR 2	149622	304100	304100	478.8	390.3	0.0232	55.47	0.0077	Si	Si
770	-184735	-305599	-19981	FR 2	-164896	-272781	-272781	527.2	158.5	0.0571	35.02	0.0054	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm

Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	220853	433911	-21365	QP 2	136210	267614	267614	932.9	453.9	0.0199	61.06	0.0166	Si	Si
449	187868	373365	-21250	QP 2	142269	282743	282743	683.7	426.5	0.0212	59.89	0.0119	Si	Si
478	154307	311763	-21133	QP 2	152122	307348	307348	448.1	384.8	0.0235	54.99	0.0072	Si	Si
770	-180723	-303206	-19969	QP 2	-164322	-275690	-275690	513	157.1	0.0576	34.87	0.0052	Si	Si

Pilastrata 60

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 14.8, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 14.8 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometriche

L'appoggio -22 ha ampiezza nulla.

Anomalie quantitativo di acciaio

Sezione a quota -16 in Campata da -22 a 408, percentuale acciaio = 0.087% < 0.3%.
Sezione a quota -10 in Campata da -22 a 408, percentuale acciaio = 0.174% < 0.3%.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	37595	-800553	-18797	42498	-904954	LU 12	1.13	Si
449	18.1	2.3	0	2,3,4,5	-36498	-684906	-18249	-51778	-971655	LU 11	1.419	Si
770	18.1	1.1	0	5	-93469	590505	-18580	-165675	1046675	LU 18	1.773	Si
478	18.1	2.3	0	2,3,4,5	-36195	-573207	-18097	-67964	-1076337	LU 11	1.878	Si
741	18.1	1.1	0	5	-85580	478048	-18729	-209595	1170789	LU 18	1.849	Si
508	18.1	1.1	0	5	-35891	-461508	-17946	-94916	-1220487	LU 11	2.645	Si
712	18.1	1.1	0	5	-77666	366506	-19370	-275013	1297792	LU 17	3.541	Si
537	18.1	1.1	0	5	-35588	-349809	-17794	-138970	-1365999	LU 11	3.905	Si
683	18.1	1.1	0	5	-69435	262089	-19521	-339621	1281934	LU 17	4.891	Si
-22	0	0.9	0	1	-86495	86495	-38442	-428591	428591	LU 18	4.955	Si
-17	1.47	0.9	0	1	-86414	86414	-38406	-435192	435192	LU 18	5.036	Si
566	18.1	1.1	0	5	-36083	-236532	-18042	-205303	-1345790	LU 12	5.69	Si
14	17.38	1.8	0	1,2,3,4	85968	85968	-38208	506695	506695	LU 18	5.894	Si
44	18.1	1.8	0	1,2,3,4	85516	-85516	-38007	509890	-509890	LU 18	5.963	Si
75	18.1	0.9	0	2,3,4	85058	-85058	-37803	509890	-509890	LU 18	5.995	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	3881	-16983	LU 12	7373	3562	27611	2.5	1.9	-282	-19069	LU 17	7645	3562	27892	2.5	27.09	Si
741	2X/2Y ø6/24.8	3881	-17132	LU 12	7393	3562	27631	2.5	1.9	-282	-19218	LU 17	7664	3562	27912	2.5	27.16	Si
712	2X/2Y ø6/24.8	3881	-17283	LU 12	7412	3562	27652	2.5	1.91	-282	-19370	LU 17	7684	3562	27932	2.5	27.23	Si
683	2X/2Y ø6/24.8	3881	-17435	LU 12	7432	3562	27672	2.5	1.92	-282	-19521	LU 17	7704	3562	27953	2.5	27.3	Si
653	2X/2Y ø6/24.8	3881	-17587	LU 12	7452	3562	27692	2.5	1.92	-282	-19673	LU 17	7723	3562	27973	2.5	27.37	Si
624	2X/2Y ø6/24.8	3881	-17738	LU 12	7472	3562	27713	2.5	1.93	-282	-19825	LU 17	7743	3562	27994	2.5	27.44	Si
595	2X/2Y ø6/24.8	3881	-17890	LU 12	7491	3562	27733	2.5	1.93	-282	-19976	LU 17	7763	3562	28014	2.5	27.51	Si
566	2X/2Y ø6/24.8	3881	-18042	LU 12	7511	3562	27754	2.5	1.94	-282	-20128	LU 17	7783	3562	28034	2.5	27.58	Si
537	2X/2Y ø6/24.8	3881	-18193	LU 12	7531	3562	27774	2.5	1.94	-282	-20280	LU 17	7802	3562	28055	2.5	27.65	Si
508	2X/2Y ø6/24.8	3881	-18345	LU 12	7551	3562	27794	2.5	1.95	-282	-20431	LU 17	7822	3562	28075	2.5	27.72	Si
478	2X/2Y ø6/24.8	3881	-18497	LU 12	7570	3562	27815	2.5	1.95	-282	-20583	LU 17	7842	3562	28096	2.5	27.79	Si
449	2X/2Y ø6/24.8	3881	-18648	LU 12	7590	3562	27835	2.5	1.96	-282	-20735	LU 17	7861	3562	28116	2.5	27.86	Si
420	2X/2Y ø6/24.8	3881	-18797	LU 12	7609	3562	27855	2.5	1.96	-282	-20884	LU 17	7881	3562	28136	2.5	27.93	Si
350	2X/2Y ø6/23.9	-301	-34204	LU 17	10894	4223	37278	2.5	36.13	137	-34204	LU 17	10894	4223	37278	2.5	79.6	Si
319	2X/2Y ø6/23.9	-301	-34402	LU 17	10920	4223	37305	2.5	36.22	137	-34402	LU 17	10920	4223	37305	2.5	79.79	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²

Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	976	-600158	-14490	RA 3	-71.4	976	-600158	-14490	RA 3	1429.3	Si
449	-4432	-516170	-14376	RA 3	-62.2	-4479	-513240	-14109	RA 2	1146.8	Si
770	-70788	446761	-14159	RA 9	-63.2	-70788	446761	-14159	RA 9	1019.6	Si
478	-9934	-430718	-14259	RA 3	-53	-9814	-428784	-13993	RA 2	866.2	Si
741	-64804	361971	-14274	RA 9	-52	-64804	361971	-14274	RA 9	711.5	Si
508	-15436	-345266	-14142	RA 3	-43.6	-15150	-344327	-13876	RA 2	591.4	Si
712	-58791	277618	-14716	RA 8	-40.6	-58791	277618	-14716	RA 8	-453.2	Si
537	-20939	-259813	-14026	RA 3	-33.9	-20939	-259813	-14026	RA 3	-382	Si
683	-52566	198017	-14833	RA 8	-26.4	-52566	198017	-14833	RA 8	-322	Si
566	-26441	-174361	-13909	RA 3	-22.2	-26441	-174361	-13909	RA 3	-274.3	Si
653	-46342	118415	-14950	RA 8	-20.1	-46342	118415	-14950	RA 8	-253.4	Si
350	36923	-78866	-26160	RA 8	-17.6	36923	-78866	-26160	RA 8	-241.7	Si
319	33799	-71978	-26312	RA 8	-17.1	33799	-71978	-26312	RA 8	-236.5	Si
289	30622	-64976	-26467	RA 8	-16.6	30622	-64976	-26467	RA 8	-231.3	Si
595	-31944	-88909	-13792	RA 3	-16.3	-31944	-88909	-13792	RA 3	-208.5	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	2049	-527768	-14550	QP 2	-63.3	Si
770	-63419	403032	-13154	QP 2	-56.9	Si
449	-3329	-451313	-14435	QP 2	-54.5	Si
741	-58042	326577	-13268	QP 2	-46.8	Si
478	-8800	-373524	-14318	QP 2	-46.1	Si
508	-14271	-295735	-14202	QP 2	-37.5	Si
712	-52602	249609	-13525	QP 1	-36.4	Si
537	-19743	-217946	-14085	QP 2	-25	Si
683	-47073	174678	-13641	QP 1	-23.6	Si
566	-25214	-140157	-13968	QP 2	-19.6	Si
653	-41543	99747	-13758	QP 1	-17.7	Si
350	33591	-71007	-25180	QP 1	-16.5	Si
319	30745	-64695	-25333	QP 1	-16.1	Si
289	27851	-58279	-25487	QP 1	-15.7	Si
258	24958	-51863	-25642	QP 1	-15.3	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	1682	-547334	-14457	FR 2	1167	-379803	-379803	1245.8	330.6	0.0274	43.8	0.0159	Si	Si
770	-63321	406262	-13061	FR 2	-52065	334046	334046	916.7	358.5	0.0252	48.68	0.013	Si	Si
449	-3658	-469006	-14342	FR 2	-3058	-392157	-392157	980.3	321.3	0.0282	44.17	0.0126	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	2049	-527768	-14550	QP 2	1488	-383390	-383390	1173.4	327.9	0.0276	43.58	0.0149	Si	Si
770	-63419	403032	-13154	QP 2	-52681	334792	334792	901.3	357.5	0.0253	48.62	0.0128	Si	Si
449	-3329	-451313	-14435	QP 2	-2932	-397538	-397538	914.2	317.4	0.0285	43.81	0.0117	Si	Si

Pilastrata 60A

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4
Campata da -22 a 408 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -80, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -80 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 411.6, 34.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3	729267	-539018	-10323	825675	-610275	LU 12	1.132	Si
20	18.1	1.8	0	2,3	621440	-461277	-10132	851400	-631970	LU 12	1.37	Si
350	18.1	0.9	0	3	-600388	419628	-7961	-824021	575932	LU 12	1.372	Si
50	18.1	1.8	0	2,3	508893	-380133	-9932	889111	-664150	LU 12	1.747	Si
320	18.1	0.9	0	3	-491126	340854	-8155	-870848	604391	LU 12	1.773	Si
80	18.1	0.9	0	3	397780	-300024	-9734	947982	-715012	LU 12	2.383	Si
290	18.1	0.9	0	3	-380013	260744	-8352	-942942	646995	LU 12	1.881	Si
-500	18.1	1.8	0	1,2	340423	-313170	-21933	1110930	-1021990	LU 11	3.263	Si
110	18.1	0.9	0	3	286666	-219914	-9537	1038753	-796872	LU 12	3.624	Si
-470	18.1	1.8	0	1,2	296841	-281869	-21738	1120846	-1064314	LU 11	3.776	Si
260	18.1	0.9	0	3	-268900	180634	-8550	-1078984	724812	LU 12	4.013	Si
-440	18.1	1.8	0	1,2	252519	-250038	-21541	1124971	-1113916	LU 11	4.455	Si
-410	18.1	0.9	0	2	208198	-218207	-21344	1112366	-1165843	LU 11	5.343	Si
-80	18.1	0.9	0	2	-278600	131405	-19175	-1512814	713536	LU 11	5.43	Si
-380	18.1	0.9	0	2	163876	-186376	-21146	1061444	-1207176	LU 11	6.477	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	2670	-7961	LU 12	7421	4203	33686	2.5	2.78	-3704	-7961	LU 12	7421	4203	33686	2.5	2	Si
320	2X/2Y ø6/24	2670	-8155	LU 12	7447	4203	33712	2.5	2.79	-3704	-8155	LU 12	7447	4203	33712	2.5	2.01	Si
290	2X/2Y ø6/24	2670	-8352	LU 12	7473	4203	33739	2.5	2.8	-3704	-8352	LU 12	7473	4203	33739	2.5	2.02	Si
260	2X/2Y ø6/24	2670	-8550	LU 12	7499	4203	33766	2.5	2.81	-3704	-8550	LU 12	7499	4203	33766	2.5	2.02	Si
230	2X/2Y ø6/24	2670	-8747	LU 12	7525	4203	33793	2.5	2.82	-3704	-8747	LU 12	7525	4203	33793	2.5	2.03	Si
200	2X/2Y ø6/24	2670	-8945	LU 12	7552	4203	33820	2.5	2.83	-3704	-8945	LU 12	7552	4203	33820	2.5	2.04	Si
170	2X/2Y ø6/24	2670	-9142	LU 12	7578	4203	33847	2.5	2.84	-3704	-9142	LU 12	7578	4203	33847	2.5	2.05	Si
140	2X/2Y ø6/24	2670	-9339	LU 12	7604	4203	33874	2.5	2.85	-3704	-9339	LU 12	7604	4203	33874	2.5	2.05	Si
110	2X/2Y ø6/24	2670	-9537	LU 12	7630	4203	33901	2.5	2.86	-3704	-9537	LU 12	7630	4203	33901	2.5	2.06	Si
80	2X/2Y ø6/24	2670	-9734	LU 12	7656	4203	33929	2.5	2.87	-3704	-9734	LU 12	7656	4203	33929	2.5	2.07	Si
50	2X/2Y ø6/24	2670	-9932	LU 12	7682	4203	33956	2.5	2.88	-3704	-9932	LU 12	7682	4203	33956	2.5	2.07	Si
20	2X/2Y ø6/24	2670	-10132	LU 12	7709	4203	33983	2.5	2.89	-3704	-10132	LU 12	7709	4203	33983	2.5	2.08	Si
-10	2X/2Y ø6/24	2670	-10323	LU 12	7734	4203	34009	2.5	2.9	-3704	-10323	LU 12	7734	4203	34009	2.5	2.09	Si
-80	2X/2Y ø6/24.7	1061	-19175	LU 11	8905	4082	35221	2.5	8.39	-1477	-19175	LU 11	8905	4082	35221	2.5	6.03	Si
-110	2X/2Y ø6/24.7	1061	-19369	LU 11	8931	4082	35247	2.5	8.42	-1477	-19369	LU 11	8931	4082	35247	2.5	6.05	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	546059	-406860	-7774	RA 3	-94.4	546059	-406860	-7774	RA 3	2023.1	No
20	465339	-348201	-7626	RA 3	-80.3	465339	-348201	-7626	RA 3	1670.4	Si
350	-449327	316482	-5956	RA 3	-75.8	-449327	316482	-5956	RA 3	1648	Si
50	381085	-286975	-7472	RA 3	-65.5	381085	-286975	-7472	RA 3	1303.3	Si
320	-367534	257043	-6105	RA 3	-61.4	-367534	257043	-6105	RA 3	1274	Si
80	297905	-226528	-7320	RA 3	-50.9	297905	-226528	-7320	RA 3	943.1	Si
290	-284354	196597	-6257	RA 3	-46.8	-284354	196597	-6257	RA 3	896.3	Si
-500	252610	-233385	-16505	RA 2	-42.8	252610	-233385	-16505	RA 2	-498.1	Si
110	214726	-166082	-7169	RA 3	-36.2	214726	-166082	-7169	RA 3	588.2	Si
-470	220263	-210112	-16356	RA 2	-37.3	220263	-210112	-16356	RA 2	-440.6	Si
260	-201174	136150	-6409	RA 3	-32	-201174	136150	-6409	RA 3	525.6	Si
-440	187368	-186444	-16204	RA 2	-31.9	187368	-186444	-16204	RA 2	-383.3	Si
-410	154472	-162777	-16052	RA 2	-23.9	154472	-162777	-16052	RA 2	-298.8	Si
-80	-206830	97174	-14384	RA 2	-22.5	-206830	97174	-14384	RA 2	-279.8	Si
-380	121576	-139109	-15900	RA 2	-20.8	121576	-139109	-15900	RA 2	-263.2	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	477878	-371165	-7012	QP 2	-84.2	Si
20	407321	-317748	-6865	QP 2	-71.6	Si
350	-392173	287531	-5195	QP 2	-67.4	Si
50	333677	-261994	-6711	QP 2	-58.5	Si
320	-320679	233404	-5344	QP 2	-54.6	Si
80	260971	-206950	-6559	QP 2	-45.4	Si
290	-247973	178360	-5496	QP 2	-41.5	Si
-500	210505	-199196	-14841	QP 2	-35.8	Si
110	188265	-151906	-6407	QP 2	-32.3	Si
-470	183518	-179581	-14692	QP 2	-31.2	Si
260	-175267	123316	-5648	QP 2	-28.3	Si
-440	156073	-159634	-14540	QP 2	-23.2	Si
-410	128628	-139687	-14388	QP 2	-20.6	Si
-80	-172807	79399	-12720	QP 2	-19	Si
-380	101183	-119740	-14236	QP 2	-18	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-10	497060	-381034	-7230	FR 2	257862	-197670	-197670	1857.7	835.1	0.0163	71.27	0.0386	Si	Si
20	423642	-326165	-7083	FR 2	260137	-200282	-200282	1534	827.8	0.0164	72.07	0.0322	Si	Si
350	-408278	295568	-5413	FR 2	-262987	190386	190386	1515.7	830	0.0164	70.81	0.0313	Si	Si
50	347011	-268895	-6929	FR 2	263616	-204273	-204273	1197.3	816.4	0.0166	70.24	0.0245	Si	Si
320	-333884	239970	-5562	FR 2	-268469	192955	192955	1171	816.1	0.0166	69.96	0.0239	Si	Si
80	271356	-212354	-6777	FR 2	269163	-210638	-210638	866.8	798.3	0.017	69.13	0.0175	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-10	477878	-371165	-7012	QP 2	256449	-199182	-199182	1793.8	836.8	0.0162	71.4	0.0373	Si	No
20	407321	-317748	-6865	QP 2	258698	-201809	-201809	1481.5	829.3	0.0164	72.2	0.0312	Si	No
350	-392173	287531	-5195	QP 2	-261477	191708	191708	1464.5	832.3	0.0163	70.98	0.0303	Si	No
50	333677	-261994	-6711	QP 2	262135	-205821	-205821	1156.5	818	0.0166	70.36	0.0237	Si	Si
320	-320679	233404	-5344	QP 2	-266939	194290	194290	1131.2	818.4	0.0166	70.13	0.0231	Si	Si

Pilastrata 60B

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4
Campata da -22 a 408 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -80, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -80 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 411.6, 34.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3	520781	-565163	-20490	892988	-969090	LU 12	1.715	Si
20	18.1	1.8	0	2,3	448097	-483645	-20298	927832	-1001438	LU 12	2.071	Si
350	18.1	0.9	0	3	-375509	440058	-18127	-892325	1045713	LU 12	2.376	Si
50	18.1	1.8	0	2,3	372232	-398559	-20098	971120	-1039807	LU 12	2.609	Si
320	18.1	0.9	0	3	-301859	357456	-18321	-933178	1105055	LU 12	3.091	Si
-500	18.1	1.8	0	1,2	-522320	-100531	-44680	-1693875	-326019	LU 12	3.243	Si
-470	18.1	1.8	0	1,2	-479729	-100094	-44486	-1637567	-341672	LU 12	3.414	Si
80	18.1	0.9	0	3	297333	-314558	-19900	1030389	-1090081	LU 12	3.465	Si
-440	18.1	1.8	0	1,2	-436416	-99649	-44289	-1565591	-357481	LU 12	3.587	Si
-410	18.1	0.9	0	2	-393103	-99205	-44091	-1484973	-374755	LU 12	3.778	Si
-380	18.1	0.9	0	2	-349790	-98761	-43894	-1392246	-393092	LU 12	3.98	Si
-350	18.1	0.9	0	2	-306477	-98317	-43696	-1287053	-412882	LU 12	4.2	Si
290	18.1	0.9	0	3	-226960	273455	-18518	-986416	1188493	LU 12	4.346	Si
-320	18.1	0.9	0	2	-263164	-97873	-43499	-1166618	-433874	LU 12	4.433	Si
-290	18.1	0.9	0	2	-219851	-97428	-43301	-1029993	-456448	LU 12	4.685	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	2800	-18127	LU 12	8767	4203	35077	2.5	3.13	-2475	-17243	LU 18	8650	4203	34956	2.5	3.5	Si
320	2X/2Y ø6/24	2800	-18321	LU 12	8792	4203	35104	2.5	3.14	-2475	-17438	LU 18	8675	4203	34983	2.5	3.51	Si
290	2X/2Y ø6/24	2800	-18518	LU 12	8818	4203	35131	2.5	3.15	-2475	-17635	LU 18	8701	4203	35010	2.5	3.52	Si
260	2X/2Y ø6/24	2800	-18716	LU 12	8845	4203	35158	2.5	3.16	-2475	-17832	LU 18	8728	4203	35037	2.5	3.53	Si
230	2X/2Y ø6/24	2800	-18913	LU 12	8871	4203	35185	2.5	3.17	-2475	-18030	LU 18	8754	4203	35064	2.5	3.54	Si
200	2X/2Y ø6/24	2800	-19111	LU 12	8897	4203	35212	2.5	3.18	-2475	-18228	LU 18	8780	4203	35091	2.5	3.55	Si
170	2X/2Y ø6/24	2800	-19308	LU 12	8923	4203	35239	2.5	3.19	-2475	-18425	LU 18	8806	4203	35118	2.5	3.56	Si
140	2X/2Y ø6/24	2800	-19506	LU 12	8949	4203	35266	2.5	3.2	-2475	-18622	LU 18	8832	4203	35145	2.5	3.57	Si
110	2X/2Y ø6/24	2800	-19703	LU 12	8975	4203	35293	2.5	3.21	-2475	-18820	LU 18	8858	4203	35172	2.5	3.58	Si
80	2X/2Y ø6/24	2800	-19900	LU 12	9001	4203	35320	2.5	3.21	-2475	-19017	LU 18	8884	4203	35199	2.5	3.59	Si
50	2X/2Y ø6/24	2800	-20098	LU 12	9027	4203	35347	2.5	3.22	-2475	-19215	LU 18	8911	4203	35226	2.5	3.6	Si
20	2X/2Y ø6/24	2800	-20298	LU 12	9054	4203	35375	2.5	3.23	-2475	-19415	LU 18	8937	4203	35254	2.5	3.61	Si
-10	2X/2Y ø6/24	2800	-20490	LU 12	9079	4203	35401	2.5	3.24	-2475	-19606	LU 18	8962	4203	35280	2.5	3.62	Si
-80	2X/2Y ø6/24.7	248	-41899	LU 11	11912	4082	38332	2.5	47.98	1444	-41923	LU 12	11916	4082	38335	2.5	8.25	Si
-110	2X/2Y ø6/24.7	248	-42093	LU 11	11938	4082	38358	2.5	48.09	1444	-42117	LU 12	11941	4082	38362	2.5	8.27	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	397555	-426784	-15450	RA 3	-78.4	397555	-426784	-15450	RA 3	1263.1	Si
20	342004	-365229	-15303	RA 3	-66.3	342004	-365229	-15303	RA 3	984.1	Si
350	-287465	332280	-13633	RA 3	-58	-287465	332280	-13633	RA 3	854.8	Si
50	284021	-300979	-15149	RA 3	-53.6	284021	-300979	-15149	RA 3	701.8	Si
320	-231175	269905	-13782	RA 3	-45.5	-230224	261180	-13193	RA 9	572.2	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
80	226777	-237547	-14997	RA 3	-41.2	226777	-237547	-14997	RA 3	-476.3	Si
-500	-391535	-45578	-33651	RA 2	-38	-391535	-45578	-33651	RA 2	-487	Si
-470	-359750	-40298	-33501	RA 2	-35.9	-359750	-40298	-33501	RA 2	-463.4	Si
-440	-327426	-34929	-33349	RA 2	-33.8	-327426	-34929	-33349	RA 2	-439.4	Si
290	-173931	206474	-13934	RA 3	-33.2	-173931	206474	-13934	RA 3	-389.7	Si
-410	-295102	-29560	-33198	RA 2	-31.8	-295102	-29560	-33198	RA 2	-415.3	Si
-380	-262778	-24191	-33046	RA 2	-29.7	-262778	-24191	-33046	RA 2	-391.3	Si
110	169533	-174115	-14845	RA 3	-29.4	169533	-174115	-14845	RA 3	-352.3	Si
-350	-230453	-18822	-32894	RA 2	-27.6	-230453	-18822	-32894	RA 2	-367.3	Si
-320	-198242	-13214	-32758	RA 3	-25.5	-198242	-13214	-32758	RA 3	-343.2	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	383538	-390382	-14034	QP 2	-73.8	Si
20	329644	-334088	-13887	QP 2	-61.8	Si
350	-281052	303793	-12217	QP 2	-55	Si
50	273391	-275330	-13733	QP 2	-50.5	Si
320	-226440	246751	-12366	QP 2	-43.3	Si
80	217854	-217321	-13581	QP 2	-38.8	Si
-500	-347212	-32950	-30463	QP 2	-33.5	Si
-470	-319589	-29281	-30313	QP 2	-31.8	Si
290	-170904	188742	-12518	QP 2	-31.6	Si
-440	-291498	-25550	-30162	QP 2	-30	Si
-410	-263407	-21819	-30010	QP 2	-28.3	Si
110	162317	-159312	-13430	QP 2	-27.6	Si
-380	-235316	-18088	-29858	QP 2	-26.5	Si
-350	-207225	-14356	-29706	QP 2	-24.7	Si
-320	-179134	-10625	-29554	QP 2	-23	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-10	387391	-400590	-14438	FR 2	245652	-254022	-254022	1223.1	778.6	0.0174	68.21	0.0243	Si	Si
20	333043	-342821	-14290	FR 2	253081	-260511	-260511	955.6	755.3	0.018	67.97	0.0189	Si	Si
350	-282791	311784	-12620	FR 2	-244471	269536	269536	839.8	753	0.018	66.64	0.0163	Si	Si
50	276316	-282523	-14136	FR 2	264799	-270747	-270747	684.8	719.4	0.0189	68.08	0.0136	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-10	383538	-390382	-14034	QP 2	247181	-251591	-251591	1208.5	780.3	0.0174	68.32	0.024	Si	Si
20	329644	-334088	-13887	QP 2	254521	-257952	-257952	945.3	757.3	0.0179	68.09	0.0187	Si	Si
350	-281052	303793	-12217	QP 2	-246192	266113	266113	834.8	756.5	0.0179	66.86	0.0163	Si	Si
50	273391	-275330	-13733	QP 2	266091	-267979	-267979	678.7	721.9	0.0188	68.23	0.0135	Si	Si

Pilastrata 60C

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	-10	350	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4
Campata da -22 a 408 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -80, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -80 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 411.6, 34.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	1.8	0	1,2	-581867	418657	-41281	-1290942	928842	LU 12	2.219	Si
-470	18.1	1.8	0	1,2	-534588	365807	-41087	-1333580	912540	LU 12	1.895	Si
-440	18.1	1.8	0	1,2	-486507	312060	-40889	-1380561	885532	LU 12	2.838	Si
-410	18.1	0.9	0	2	-438427	258313	-40692	-1422944	838373	LU 12	3.246	Si
-10	18.1	1.8	0	2,3	484017	-47800	-21245	1745331	-172364	LU 12	3.606	Si
-380	18.1	0.9	0	2	-390347	204567	-40494	-1434961	752012	LU 12	3.676	Si
-350	18.1	0.9	0	2	-342266	150820	-40297	-1398261	616146	LU 12	4.085	Si
-80	18.1	0.9	0	2	89655	-332003	-38523	392976	-1455239	LU 12	4.383	Si
20	18.1	1.8	0	2,3	416959	-47369	-21053	1828592	-207739	LU 12	4.386	Si
-320	18.1	0.9	0	2	-294186	97074	-40099	-1319502	435401	LU 12	4.485	Si
-110	18.1	0.9	0	2	87114	-279153	-38717	408682	-1309603	LU 12	4.691	Si
-290	18.1	0.9	0	2	-246106	89779	-39902	-1182183	431260	LU 12	4.804	Si
-140	18.1	0.9	0	2	-87558	-225406	-38915	-439654	-1131827	LU 12	5.021	Si
-260	18.1	0.9	0	2	-198026	-89335	-39704	-1016569	-458604	LU 12	5.134	Si
50	18.1	1.8	0	2,3	346967	-46919	-20853	1849020	-250037	LU 12	5.329	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	99	-15939	LU 10	8477	4203	34778	2.5	85.54	-2279	-18156	LU 18	8770	4203	35081	2.5	3.85	Si
320	2X/2Y ø6/24	99	-16133	LU 10	8503	4203	34805	2.5	85.8	-2279	-18350	LU 18	8796	4203	35108	2.5	3.86	Si
290	2X/2Y ø6/24	99	-16331	LU 10	8529	4203	34832	2.5	86.07	-2279	-18547	LU 18	8822	4203	35135	2.5	3.87	Si
260	2X/2Y ø6/24	99	-16528	LU 10	8555	4203	34859	2.5	86.33	-2279	-18745	LU 18	8848	4203	35162	2.5	3.88	Si
230	2X/2Y ø6/24	99	-16726	LU 10	8581	4203	34886	2.5	86.59	-2279	-18942	LU 18	8874	4203	35189	2.5	3.89	Si
200	2X/2Y ø6/24	99	-16924	LU 10	8607	4203	34913	2.5	86.86	-2279	-19140	LU 18	8901	4203	35216	2.5	3.91	Si
170	2X/2Y ø6/24	99	-17121	LU 10	8633	4203	34940	2.5	87.12	-2279	-19337	LU 18	8927	4203	35243	2.5	3.92	Si
140	2X/2Y ø6/24	99	-17318	LU 10	8660	4203	34967	2.5	87.39	-2279	-19535	LU 18	8953	4203	35270	2.5	3.93	Si
110	2X/2Y ø6/24	99	-17515	LU 10	8686	4203	34994	2.5	87.65	-2279	-19732	LU 18	8979	4203	35297	2.5	3.94	Si
80	2X/2Y ø6/24	99	-17713	LU 10	8712	4203	35021	2.5	87.91	-2279	-19929	LU 18	9005	4203	35324	2.5	3.95	Si
50	2X/2Y ø6/24	99	-17910	LU 10	8738	4203	35048	2.5	88.18	-2303	-20853	LU 12	9127	4203	35451	2.5	3.96	Si
20	2X/2Y ø6/24	99	-18110	LU 10	8764	4203	35075	2.5	88.44	-2303	-21053	LU 12	9154	4203	35478	2.5	3.97	Si
-10	2X/2Y ø6/24	99	-18302	LU 10	8790	4203	35101	2.5	88.7	-2303	-21245	LU 12	9179	4203	35504	2.5	3.99	Si
-80	2X/2Y ø6/24.7	-1779	-36996	LU 18	11264	4082	37661	2.5	6.33	1603	-38523	LU 12	11466	4082	37870	2.5	7.15	Si
-110	2X/2Y ø6/24.7	-1779	-37190	LU 18	11289	4082	37687	2.5	6.35	1603	-38717	LU 12	11491	4082	37896	2.5	7.17	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-500	-437531	315841	-31152	RA 3	-64.9	-437531	315841	-31152	RA 3	-773.1	Si
-470	-402094	275958	-31002	RA 3	-57.9	-402094	275958	-31002	RA 3	-698.5	Si
-440	-366056	235398	-30850	RA 3	-51.1	-366056	235398	-30850	RA 3	-625.3	Si
-410	-330019	194839	-30699	RA 3	-44.7	-330019	194839	-30699	RA 3	-555.7	Si
-380	-293981	154279	-30547	RA 3	-38.9	-293981	154279	-30547	RA 3	-490.9	Si
-10	369028	-16026	-16010	RA 2	-34.5	350525	-29313	-14078	RA 1	459.4	Si
-350	-257943	113720	-30395	RA 3	-33.1	-257943	113720	-30395	RA 3	-425.7	Si
20	317830	-15958	-15863	RA 2	-29.8	317830	-15958	-15863	RA 2	-348.1	Si
-80	65795	-250640	-29030	RA 3	-29.5	65795	-250640	-29030	RA 3	-383.1	Si
-320	-221906	73160	-30243	RA 3	-28.9	-221906	73160	-30243	RA 3	-377.9	Si
-110	30358	-210756	-29180	RA 3	-25.6	30358	-210756	-29180	RA 3	-338	Si
-290	-185868	32601	-30091	RA 3	-24.8	-185868	32601	-30091	RA 3	-330.1	Si
-140	-5679	-170197	-29332	RA 3	-22.1	-5679	-170197	-29332	RA 3	-299.1	Si
-170	-41717	-129637	-29484	RA 3	-22	-41717	-129637	-29484	RA 3	-297.3	Si
-200	-78336	-88424	-29638	RA 3	-21.8	-78336	-88424	-29638	RA 3	-295.5	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-500	-391372	286839	-28396	QP 2	-58.3	Si
-470	-360212	250563	-28247	QP 2	-52.1	Si
-440	-328523	213672	-28095	QP 2	-46	Si
-410	-296835	176781	-27943	QP 2	-40.4	Si
-10	356076	-25327	-14658	QP 2	-34.3	Si
-380	-265147	139890	-27791	QP 2	-33.7	Si
-350	-233458	102999	-27639	QP 2	-30	Si
20	306406	-23753	-14510	QP 2	-29.5	Si
-80	51208	-228404	-26275	QP 2	-26.3	Si
-320	-201770	66108	-27487	QP 2	-26.3	Si
-110	20048	-192128	-26424	QP 2	-22.8	Si
-290	-170082	29217	-27335	QP 2	-22.5	Si
50	254562	-22111	-14357	QP 2	-21	Si
-140	-11640	-155237	-26576	QP 2	-20.5	Si
-170	-43328	-118346	-26728	QP 2	-20.3	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-500	-404185	294384	-29170	FR 2	-373085	271732	271732	479	165.2	0.0274	50.94	0.0071	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-500	-391372	286839	-28396	QP 2	-372617	273093	273093	462.8	164.3	0.0275	50.8	0.0068	Si	Si

Pilastrata 61

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.6	-17.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	-17.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4
Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -80, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -80 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	3,4,5,6	432441	375658	-19720	797075	692412	LU 12	1.843	Si
-500	18.1	1.8	0	1,2	469599	487834	-80342	1009983	1049202	LU 12	2.151	Si
-10	18.1	1.8	0	2,3,4,5	628137	400198	-45653	1364453	869319	LU 12	2.172	Si
-80	18.1	0.9	0	2	-388969	-531652	-77584	-861447	-1177445	LU 12	2.215	Si
449	18.1	2.3	0	3,4,5,6	369256	316976	-19571	822851	706351	LU 12	2.228	Si
770	18.1	1.1	0	6	-336806	-338763	-17905	-753094	-757470	LU 12	2.236	Si
-470	18.1	1.8	0	1,2	409151	416057	-80147	944379	960318	LU 12	2.308	Si
-110	18.1	0.9	0	2	-328521	-459874	-77778	-780490	-1092554	LU 12	2.376	Si
-440	18.1	1.8	0	1,2	347678	343063	-79950	860797	849368	LU 12	1.876	Si
-140	18.1	0.9	0	2	-267048	-386880	-77976	-680037	-985186	LU 12	2.546	Si
20	18.1	1.8	0	2,3,4,5	537125	342618	-45461	1383562	882540	LU 12	2.576	Si
-410	18.1	0.9	0	2	286206	270068	-79753	759278	716466	LU 12	2.653	Si
-170	18.1	0.9	0	2	-205576	-313885	-78173	-559063	-853611	LU 12	2.719	Si
350	18.1	0.9	0	3,4,5	-494160	-309830	-43290	-1393111	-873458	LU 12	2.819	Si
478	18.1	2.3	0	3,4,5,6	304968	257270	-19419	860855	726216	LU 12	2.823	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-2090	-18481	LU 18	7568	3526	27813	2.5	3.62	-2206	-17599	LU 11	7453	3526	27694	2.5	3.38	Si
741	2X/2Y ø6/25	-2090	-18630	LU 18	7588	3526	27833	2.5	3.63	-2206	-17748	LU 11	7473	3526	27714	2.5	3.39	Si
712	2X/2Y ø6/25	-2090	-18781	LU 18	7607	3526	27853	2.5	3.64	-2206	-17900	LU 11	7493	3526	27735	2.5	3.4	Si
683	2X/2Y ø6/25	-2090	-18933	LU 18	7627	3526	27874	2.5	3.65	-2206	-18051	LU 11	7512	3526	27755	2.5	3.41	Si
653	2X/2Y ø6/25	-2090	-19085	LU 18	7647	3526	27894	2.5	3.66	-2206	-18203	LU 11	7532	3526	27775	2.5	3.41	Si
624	2X/2Y ø6/25	-2090	-19236	LU 18	7667	3526	27914	2.5	3.67	-2206	-18355	LU 11	7552	3526	27796	2.5	3.42	Si
595	2X/2Y ø6/25	-2090	-19388	LU 18	7686	3526	27935	2.5	3.68	-2206	-18506	LU 11	7572	3526	27816	2.5	3.43	Si
566	2X/2Y ø6/25	-2090	-19540	LU 18	7706	3526	27955	2.5	3.69	-2206	-18658	LU 11	7591	3526	27837	2.5	3.44	Si
537	2X/2Y ø6/25	-2090	-19691	LU 18	7726	3526	27976	2.5	3.7	-2206	-18810	LU 11	7611	3526	27857	2.5	3.45	Si
508	2X/2Y ø6/25	-2090	-19843	LU 18	7745	3526	27996	2.5	3.71	-2206	-18961	LU 11	7631	3526	27877	2.5	3.46	Si
478	2X/2Y ø6/25	-2090	-19995	LU 18	7765	3526	28017	2.5	3.71	-2206	-19113	LU 11	7650	3526	27898	2.5	3.47	Si
449	2X/2Y ø6/25	-2090	-20146	LU 18	7785	3526	28037	2.5	3.72	-2206	-19265	LU 11	7670	3526	27918	2.5	3.48	Si
420	2X/2Y ø6/25	-2090	-20295	LU 18	7804	3526	28057	2.5	3.73	-2206	-19414	LU 11	7690	3526	27938	2.5	3.49	Si
350	2X/2Y ø6/24	-1978	-43290	LU 12	12097	4203	38522	2.5	6.12	-3122	-42978	LU 11	12055	4203	38479	2.5	3.86	Si
320	2X/2Y ø6/24	-1978	-43485	LU 12	12122	4203	38549	2.5	6.13	-3122	-43172	LU 11	12081	4203	38506	2.5	3.87	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	323202	284072	-15009	RA 3	-75.4	323411	281035	-14805	RA 2	1016.3	Si
-10	468118	302257	-34543	RA 3	-66	468118	302257	-34543	RA 3	-793.6	Si
-500	349871	370993	-60636	RA 3	-65.6	349871	370993	-60636	RA 3	-845	Si
-80	-289768	-403532	-58515	RA 3	-63.2	-289768	-403532	-58515	RA 3	-814	Si
449	275982	239596	-14894	RA 3	-63.1	276158	237131	-14690	RA 2	766.9	Si
770	-251676	-257394	-13613	RA 3	-62.8	-251676	-257394	-13613	RA 3	799.6	Si
-470	304837	316462	-60487	RA 3	-59.5	304837	316462	-60487	RA 3	-774.9	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-110	-244734	-349001	-58664	RA 3	-57.2	-244734	-349001	-58664	RA 3	-746.2	Si
20	400293	258761	-34395	RA 3	-56	400293	258761	-34395	RA 3	-686.3	Si
-440	259039	261007	-60335	RA 3	-54	259039	261007	-60335	RA 3	-712	Si
-140	-198936	-293546	-58816	RA 3	-51.9	-198936	-293546	-58816	RA 3	-685.3	Si
350	-368251	-234105	-32725	RA 3	-51.2	-368251	-234105	-32725	RA 3	-630.3	Si
478	227939	194345	-14777	RA 3	-50.7	227939	194345	-14777	RA 3	-564.5	Si
741	-204456	-212918	-13727	RA 3	-50.4	-204456	-212918	-13727	RA 3	-557	Si
-410	213242	205552	-60183	RA 3	-48.5	213242	205552	-60183	RA 3	-649.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	280292	260885	-14218	QP 2	-66.8	Si
-500	298150	350939	-55267	QP 2	-58.7	Si
-10	399414	276405	-31863	QP 2	-57.6	Si
-80	-246792	-378149	-53146	QP 2	-56.5	Si
770	-218037	-241692	-12822	QP 2	-56.5	Si
449	239360	219603	-14104	QP 2	-55.8	Si
-470	259783	299607	-55118	QP 2	-53.8	Si
-110	-208425	-326817	-53295	QP 2	-51.7	Si
20	341552	236592	-31715	QP 2	-49	Si
-440	220766	247405	-54966	QP 2	-48.9	Si
-140	-169407	-274615	-53447	QP 2	-46.9	Si
741	-177105	-200411	-12937	QP 2	-45.4	Si
350	-314097	-214546	-30045	QP 2	-44.9	Si
478	197713	177602	-13987	QP 2	-44.7	Si
-410	181748	195203	-54814	QP 2	-44	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	292612	266642	-14386	FR 2	198247	180652	180652	906	571.1	0.0238	55.71	0.0147	Si	Si
449	249874	224611	-14271	FR 2	207615	186625	186625	677.3	187.6	0.0482	39.56	0.0078	Si	Si
770	-203465	-238210	-12653	FR 3	-179230	-209836	-209836	659.6	194.6	0.0465	38.87	0.0075	Si	Si
-10	418890	283385	-32569	FR 2	407974	276000	276000	407.9	143.6	0.0315	46.92	0.0056	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	280292	260885	-14218	QP 2	197212	183557	183557	861.8	568.4	0.0239	55.56	0.014	Si	Si
770	-203540	-236642	-12571	QP 1	-179758	-208993	-208993	658.8	194.8	0.0464	38.9	0.0075	Si	Si
449	239360	219603	-14104	QP 2	206860	189786	189786	642	184.6	0.049	39.3	0.0073	Si	Si

Pilastrata 62

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -52 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	92899	-319769	-41288	397580	-1368521	LU 12	4.28	Si
20	18.1	1.8	0	1,2,3,4	-92468	-282923	-41097	-415714	-1271957	LU 12	4.496	Si
50	18.1	1.8	0	1,2,3,4	-92018	-244464	-40897	-435482	-1156948	LU 12	4.733	Si
80	18.1	0.9	0	2,3,4	-91574	-206495	-40699	-456534	-1029468	LU 12	4.985	Si
110	18.1	0.9	0	2,3,4	-91129	-168526	-40502	-478762	-885379	LU 12	5.254	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
140	18.1	0.9	0	2,3,4	-90685	-130557	-40304	-501644	-722205	LU 12	5.532	Si
170	18.1	0.9	0	2,3,4	-90381	-90381	-40169	-509890	-509890	LU 18	5.642	Si
350	18.1	0.9	0	2,3,4	-87583	134593	-38926	-496336	762743	LU 12	5.667	Si
200	18.1	0.9	0	2,3,4	-89938	-89938	-39972	-509890	-509890	LU 18	5.669	Si
230	18.1	0.9	0	2,3,4	-89493	-89493	-39775	-509890	-509890	LU 18	5.698	Si
260	18.1	0.9	0	2,3,4	-89049	89049	-39577	-509890	509890	LU 18	5.726	Si
290	18.1	0.9	0	2,3,4	-88604	88604	-39380	-509890	509890	LU 18	5.755	Si
320	18.1	0.9	0	2,3,4	-88160	88160	-39182	-509890	509890	LU 18	5.784	Si
420	18.1	2.3	0	2,3,4,5	106598	42263	-21132	810803	321461	LU 18	7.606	Si
449	18.1	2.3	0	2,3,4,5	90802	41965	-20982	725684	335382	LU 18	7.992	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	1272	-38543	LU 11	11468	4203	37872	2.5	9.01	-250	-38543	LU 11	11468	4203	37872	2.5	45.91	Si
320	2X/2Y ø6/24	1272	-38737	LU 11	11494	4203	37899	2.5	9.03	-250	-38737	LU 11	11494	4203	37899	2.5	46.01	Si
290	2X/2Y ø6/24	1272	-38934	LU 11	11520	4203	37926	2.5	9.06	-250	-38934	LU 11	11520	4203	37926	2.5	46.12	Si
260	2X/2Y ø6/24	1272	-39132	LU 11	11546	4203	37953	2.5	9.08	-250	-39132	LU 11	11546	4203	37953	2.5	46.22	Si
230	2X/2Y ø6/24	1272	-39329	LU 11	11572	4203	37980	2.5	9.1	-250	-39329	LU 11	11572	4203	37980	2.5	46.33	Si
200	2X/2Y ø6/24	1272	-39527	LU 11	11599	4203	38007	2.5	9.12	-250	-39527	LU 11	11599	4203	38007	2.5	46.43	Si
170	2X/2Y ø6/24	1272	-39724	LU 11	11625	4203	38034	2.5	9.14	-250	-39724	LU 11	11625	4203	38034	2.5	46.54	Si
140	2X/2Y ø6/24	1272	-39921	LU 11	11651	4203	38061	2.5	9.16	-250	-39921	LU 11	11651	4203	38061	2.5	46.64	Si
110	2X/2Y ø6/24	1272	-40119	LU 11	11677	4203	38088	2.5	9.18	-250	-40119	LU 11	11677	4203	38088	2.5	46.75	Si
80	2X/2Y ø6/24	1272	-40316	LU 11	11703	4203	38115	2.5	9.2	-250	-40316	LU 11	11703	4203	38115	2.5	46.85	Si
50	2X/2Y ø6/24	1272	-40514	LU 11	11729	4203	38142	2.5	9.22	-250	-40514	LU 11	11729	4203	38142	2.5	46.95	Si
20	2X/2Y ø6/24	1272	-40714	LU 11	11756	4203	38169	2.5	9.24	-250	-40714	LU 11	11756	4203	38169	2.5	47.06	Si
-10	2X/2Y ø6/24	1272	-40905	LU 11	11781	4203	38196	2.5	9.26	-250	-40905	LU 11	11781	4203	38196	2.5	47.16	Si
770	2X/2Y ø6/25	-60	-19209	LU 17	7663	3526	27911	2.5	127.9	-578	-17747	LU 11	7473	3526	27714	2.5	12.94	Si
741	2X/2Y ø6/25	-60	-19358	LU 17	7682	3526	27931	2.5	128.23	-578	-17896	LU 11	7492	3526	27734	2.5	12.97	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	5046	-237564	-31238	RA 3	-26.5	5046	-237564	-31238	RA 3	-351.8	Si
20	-437	-210318	-31091	RA 3	-24.8	-437	-210318	-31091	RA 3	-331.9	Si
50	-6160	-181879	-30937	RA 3	-23.5	-6160	-181879	-30937	RA 3	-317	Si
80	-11809	-153802	-30785	RA 3	-22.2	-11809	-153802	-30785	RA 3	-302.3	Si
350	-62563	98420	-29420	RA 3	-21.4	-62563	98420	-29420	RA 3	-290.6	Si
110	-17459	-125725	-30633	RA 3	-21	-17459	-125725	-30633	RA 3	-287.6	Si
140	-23109	-97649	-30481	RA 3	-19.7	-23109	-97649	-30481	RA 3	-272.9	Si
320	-57007	70812	-29570	RA 3	-19.7	-57007	70812	-29570	RA 3	-271.3	Si
170	-28758	-69572	-30329	RA 3	-18.4	-28758	-69572	-30329	RA 3	-258.2	Si
290	-51357	42735	-29722	RA 3	-18	-51357	42735	-29722	RA 3	-251.7	Si
200	-34396	-41556	-30178	RA 3	-17.2	-34396	-41556	-30178	RA 3	-243.5	Si
260	-45708	14658	-29874	RA 3	-16.2	-45708	14658	-29874	RA 3	-232	Si
230	-38951	-15925	-30067	RA 9	-16	-38951	-15925	-30067	RA 9	-229.9	Si
420	81097	12305	-16078	RA 9	-15.5	81097	12305	-16078	RA 9	-204.6	Si
449	69083	11780	-15964	RA 9	-14.5	69083	11780	-15964	RA 9	-193.5	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	4682	-199512	-28784	QP 2	-23.4	Si
20	-192	-177218	-28637	QP 2	-21.9	Si
50	-5280	-153948	-28483	QP 2	-20.9	Si
80	-10303	-130975	-28331	QP 2	-19.9	Si
110	-15326	-108001	-28179	QP 2	-18.8	Si
350	-55426	75404	-26967	QP 2	-18.7	Si
140	-20349	-85028	-28028	QP 2	-17.8	Si
320	-50486	52813	-27116	QP 2	-17.3	Si
170	-25372	-62054	-27876	QP 2	-16.8	Si
290	-45464	29840	-27268	QP 2	-15.9	Si
200	-30384	-39130	-27724	QP 2	-15.8	Si
230	-35418	-16107	-27572	QP 2	-14.8	Si
420	78004	11658	-14960	QP 2	-14.6	Si
260	-40441	6866	-27420	QP 2	-14.5	Si
449	66464	11161	-14845	QP 2	-13.6	Si

Pilastrata 62A

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -57.2 a -34, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -22, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	107010	-233848	-47560	460325	-1005944	LU 12	4.302	Si
20	18.1	1.8	0	1,2,3,4	-106579	-198666	-47369	-477945	-890898	LU 12	4.484	Si
350	18.1	0.9	0	2,3,4	-142801	200001	-45197	-648597	908397	LU 12	4.542	Si
50	18.1	1.8	0	1,2,3,4	-106129	-161943	-47169	-496939	-758281	LU 12	4.682	Si
320	18.1	0.9	0	2,3,4	-130767	164351	-45392	-619581	778701	LU 12	4.738	Si
80	18.1	0.9	0	2,3,4	-105685	-125688	-46971	-509890	-606397	LU 12	4.825	Si
110	18.1	0.9	0	2,3,4	-105241	-105241	-46774	-509890	-509890	LU 12	4.845	Si
140	18.1	0.9	0	2,3,4	-104797	-104797	-46576	-509890	-509890	LU 12	4.866	Si
170	18.1	0.9	0	2,3,4	-104352	-104352	-46379	-509890	-509890	LU 12	4.886	Si
200	18.1	0.9	0	2,3,4	-103909	103909	-46182	-509890	509890	LU 12	4.907	Si
230	18.1	0.9	0	2,3,4	-103464	103464	-45984	-509890	509890	LU 12	4.928	Si
290	18.1	0.9	0	2,3,4	-118529	128096	-45589	-584668	631857	LU 12	4.933	Si
260	18.1	0.9	0	2,3,4	-106291	103020	-45787	-526083	509890	LU 12	4.949	Si
420	18.1	2.3	0	2,3,4,5	83640	-107603	-20731	607545	-781609	LU 18	7.264	Si
449	18.1	2.3	0	2,3,4,5	76410	-91774	-20582	587378	-705478	LU 18	7.687	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	1214	-44784	LU 11	12294	4223	38727	2.5	10.13	-408	-45197	LU 12	12349	4223	38783	2.5	30.27	Si
320	2X/2Y ø6/23.9	1214	-44978	LU 11	12320	4223	38753	2.5	10.15	-408	-45392	LU 12	12375	4223	38810	2.5	30.33	Si
290	2X/2Y ø6/23.9	1214	-45176	LU 11	12346	4223	38780	2.5	10.17	-408	-45589	LU 12	12401	4223	38837	2.5	30.4	Si
260	2X/2Y ø6/23.9	1214	-45373	LU 11	12372	4223	38807	2.5	10.19	-408	-45787	LU 12	12427	4223	38864	2.5	30.46	Si
230	2X/2Y ø6/23.9	1214	-45570	LU 11	12398	4223	38834	2.5	10.22	-408	-45984	LU 12	12453	4223	38891	2.5	30.53	Si
200	2X/2Y ø6/23.9	1214	-45768	LU 11	12424	4223	38861	2.5	10.24	-408	-46182	LU 12	12479	4223	38918	2.5	30.59	Si
170	2X/2Y ø6/23.9	1214	-45965	LU 11	12451	4223	38888	2.5	10.26	-408	-46379	LU 12	12505	4223	38945	2.5	30.66	Si
140	2X/2Y ø6/23.9	1214	-46163	LU 11	12477	4223	38915	2.5	10.28	-408	-46576	LU 12	12531	4223	38972	2.5	30.72	Si
110	2X/2Y ø6/23.9	1214	-46360	LU 11	12503	4223	38942	2.5	10.3	-408	-46774	LU 12	12557	4223	38999	2.5	30.78	Si
80	2X/2Y ø6/23.9	1214	-46558	LU 11	12529	4223	38969	2.5	10.32	-408	-46971	LU 12	12584	4223	39026	2.5	30.85	Si
50	2X/2Y ø6/23.9	1214	-46755	LU 11	12555	4223	38997	2.5	10.35	-408	-47169	LU 12	12610	4223	39053	2.5	30.91	Si
20	2X/2Y ø6/23.9	1214	-46955	LU 11	12581	4223	39024	2.5	10.37	-408	-47369	LU 12	12636	4223	39081	2.5	30.98	Si
-10	2X/2Y ø6/23.9	1214	-47147	LU 11	12607	4223	39050	2.5	10.39	-408	-47560	LU 12	12662	4223	39107	2.5	31.04	Si
770	2X/2Y ø6/24.8	577	-17423	LU 11	7431	3562	27670	2.5	12.87	-251	-17423	LU 11	7431	3562	27670	2.5	29.57	Si
741	2X/2Y ø6/24.8	577	-17572	LU 11	7450	3562	27690	2.5	12.9	-251	-17572	LU 11	7450	3562	27690	2.5	29.64	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
350	-108275	150242	-34232	RA 3	-28.7	-108275	150242	-34232	RA 3	-381.6	Si
320	-99150	123457	-34381	RA 3	-26.8	-99150	123457	-34381	RA 3	-360.7	Si
-10	2772	-175725	-36049	RA 3	-25.2	2772	-175725	-36049	RA 3	-344.6	Si
290	-89870	96217	-34533	RA 3	-25	-89870	96217	-34533	RA 3	-339.3	Si
20	-6233	-149291	-35902	RA 3	-23.9	-6233	-149291	-35902	RA 3	-329.6	Si
260	-80591	68978	-34685	RA 3	-23.1	-80591	68978	-34685	RA 3	-318	Si
50	-15633	-121700	-35748	RA 3	-22.9	-15633	-121700	-35748	RA 3	-317.5	Si
80	-24913	-94460	-35596	RA 3	-21.9	-24913	-94460	-35596	RA 3	-305.5	Si
230	-71311	41738	-34837	RA 3	-21.2	-71311	41738	-34837	RA 3	-296.7	Si
110	-34192	-67221	-35444	RA 3	-20.8	-34192	-67221	-35444	RA 3	-293.5	Si
140	-43472	-39981	-35293	RA 3	-19.8	-43472	-39981	-35293	RA 3	-281.5	Si
200	-62011	14440	-34989	RA 3	-19.3	-62011	14440	-34989	RA 3	-275.3	Si
420	63826	-82113	-15681	RA 9	-19.1	63826	-82113	-15681	RA 9	-244	Si
170	-52752	-12741	-35141	RA 3	-18.8	-52752	-12741	-35141	RA 3	-269.6	Si
449	58322	-70034	-15566	RA 9	-17.8	58322	-70034	-15566	RA 9	-228.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
350	-100955	133961	-31713	QP 2	-26.3	Si
320	-92443	110048	-31862	QP 2	-24.7	Si
-10	2623	-157048	-33531	QP 2	-23.1	Si
290	-83788	85730	-32014	QP 2	-23	Si
20	-5777	-133449	-33383	QP 2	-22	Si
260	-75132	61412	-32166	QP 2	-21.3	Si
50	-14544	-108817	-33229	QP 2	-21	Si
80	-23199	-84498	-33077	QP 2	-20.1	Si
230	-66477	37093	-32318	QP 2	-19.6	Si
110	-31855	-60180	-32926	QP 2	-19.2	Si
140	-40510	-35862	-32774	QP 2	-18.3	Si
420	61636	-80163	-14172	QP 2	-18	Si
200	-57803	12723	-32470	QP 2	-17.9	Si
170	-49166	-11543	-32622	QP 2	-17.4	Si
449	56396	-68382	-14057	QP 2	-16.7	Si

Pilastrata 62B

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -57.2 a -34, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -22, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	116180	116180	-51636	509890	509890	LU 12	4.389	Si
20	18.1	1.8	0	1,2,3,4	-115749	115749	-51444	-509890	509890	LU 12	4.405	Si
50	18.1	1.8	0	1,2,3,4	-115299	115299	-51244	-509890	509890	LU 12	4.422	Si
80	18.1	0.9	0	2,3,4	-114855	114855	-51047	-509890	509890	LU 12	4.439	Si
110	18.1	0.9	0	2,3,4	-114411	114411	-50849	-509890	509890	LU 12	4.457	Si
140	18.1	0.9	0	2,3,4	-113967	113967	-50652	-509890	509890	LU 12	4.474	Si
170	18.1	0.9	0	2,3,4	-113522	-113522	-50454	-509890	-509890	LU 12	4.492	Si
200	18.1	0.9	0	2,3,4	-113079	-113079	-50257	-509890	-509890	LU 12	4.509	Si
230	18.1	0.9	0	2,3,4	-112634	-112634	-50060	-509890	-509890	LU 12	4.527	Si
260	18.1	0.9	0	2,3,4	-112190	-112190	-49862	-509890	-509890	LU 12	4.545	Si
290	18.1	0.9	0	2,3,4	-113108	-111745	-49665	-516106	-509890	LU 12	4.563	Si
320	18.1	0.9	0	2,3,4	-124752	-111301	-49467	-571510	-509890	LU 12	4.581	Si
350	18.1	0.9	0	2,3,4	-136202	-113019	-49273	-626425	-519801	LU 12	4.599	Si
420	18.1	2.3	0	2,3,4,5	75746	204234	-18040	443974	1197087	LU 12	5.861	Si
449	18.1	2.3	0	2,3,4,5	70370	174710	-17891	461793	1146520	LU 12	6.562	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	-1030	-16225	LU 12	7275	3562	27509	2.5	7.06	-190	-15939	LU 13	7237	3562	27471	2.5	38.01	Si
741	2X/2Y ø6/24.8	-1030	-16374	LU 12	7294	3562	27529	2.5	7.08	-190	-16088	LU 13	7257	3562	27491	2.5	38.11	Si
712	2X/2Y ø6/24.8	-1030	-16526	LU 12	7314	3562	27550	2.5	7.1	-190	-16239	LU 13	7277	3562	27511	2.5	38.21	Si
683	2X/2Y ø6/24.8	-1030	-16677	LU 12	7334	3562	27570	2.5	7.12	-190	-16391	LU 13	7296	3562	27531	2.5	38.32	Si
653	2X/2Y ø6/24.8	-1030	-16829	LU 12	7353	3562	27590	2.5	7.14	-190	-16543	LU 13	7316	3562	27552	2.5	38.42	Si
624	2X/2Y ø6/24.8	-1030	-16981	LU 12	7373	3562	27611	2.5	7.16	-193	-17449	LU 17	7434	3562	27674	2.5	38.52	Si
595	2X/2Y ø6/24.8	-1030	-17132	LU 12	7393	3562	27631	2.5	7.18	-193	-17600	LU 17	7454	3562	27694	2.5	38.63	Si
566	2X/2Y ø6/24.8	-1030	-17284	LU 12	7412	3562	27652	2.5	7.2	-193	-17752	LU 17	7473	3562	27715	2.5	38.73	Si
537	2X/2Y ø6/24.8	-1030	-17436	LU 12	7432	3562	27672	2.5	7.22	-193	-17904	LU 17	7493	3562	27735	2.5	38.83	Si
508	2X/2Y ø6/24.8	-1030	-17587	LU 12	7452	3562	27692	2.5	7.24	-193	-18055	LU 17	7513	3562	27755	2.5	38.93	Si
478	2X/2Y ø6/24.8	-1030	-17739	LU 12	7472	3562	27713	2.5	7.25	-193	-18207	LU 17	7533	3562	27776	2.5	39.03	Si
449	2X/2Y ø6/24.8	-1030	-17891	LU 12	7491	3562	27733	2.5	7.27	-193	-18359	LU 17	7552	3562	27796	2.5	39.14	Si
420	2X/2Y ø6/24.8	-1030	-18040	LU 12	7511	3562	27753	2.5	7.29	-193	-18508	LU 17	7572	3562	27816	2.5	39.24	Si
350	2X/2Y ø6/23.9	-541	-49273	LU 12	12670	4223	39341	2.5	23.44	-395	-48859	LU 18	12670	4223	39285	2.5	32.04	Si
290	2X/2Y ø6/23.9	-541	-49665	LU 12	12670	4223	39395	2.5	23.44	-395	-49251	LU 18	12670	4223	39338	2.5	32.04	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
350	-103940	-84463	-37360	RA 3	-26.3	-103940	-84463	-37360	RA 3	-359.2	Si
320	-95202	-72597	-37509	RA 3	-25.3	-95202	-72597	-37509	RA 3	-347.6	Si
290	-86317	-60531	-37661	RA 3	-24.2	-86317	-60531	-37661	RA 3	-335.8	Si
260	-77431	-48464	-37813	RA 3	-23.2	-77431	-48464	-37813	RA 3	-324	Si
420	58288	152795	-13802	RA 3	-22.9	59416	146999	-14350	RA 9	-281.8	Si
230	-68545	-36398	-37965	RA 3	-22.1	-68545	-36398	-37965	RA 3	-312.1	Si
200	-59640	-24305	-38117	RA 3	-21.1	-59640	-24305	-38117	RA 3	-300.3	Si
449	55197	125664	-14235	RA 9	-20.9	55197	125664	-14235	RA 9	-260.7	Si
-10	2393	59934	-39177	RA 3	-20.4	2393	59934	-39177	RA 3	-294	Si
170	-50774	-12264	-38269	RA 3	-20	-50774	-12264	-38269	RA 3	-288.5	Si
20	-6230	48224	-39030	RA 3	-19.9	-6230	48224	-39030	RA 3	-288.2	Si
50	-15231	36002	-38876	RA 3	-19.7	-15231	36002	-38876	RA 3	-285.3	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
80	-24116	23935	-38724	RA 3	-19.4	-24116	23935	-38724	RA 3	-282.3	Si
110	-33002	11869	-38572	RA 3	-19.2	-33002	11869	-38572	RA 3	-279.4	Si
140	-41888	-198	-38421	RA 3	-19	-41888	-198	-38421	RA 3	-276.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
350	-99888	-73066	-34836	QP 2	-24.4	Si
320	-91492	-63044	-34985	QP 2	-23.5	Si
290	-82954	-52851	-35137	QP 2	-22.5	Si
260	-74416	-42659	-35289	QP 2	-21.6	Si
420	58290	133035	-13421	QP 2	-21.2	Si
230	-65878	-32467	-35441	QP 2	-20.7	Si
200	-57322	-22252	-35593	QP 2	-19.7	Si
449	54153	113692	-13306	QP 2	-19.5	Si
170	-48802	-12082	-35744	QP 2	-18.8	Si
-10	2283	48903	-36653	QP 2	-18.7	Si
20	-6003	39012	-36506	QP 2	-18.3	Si
50	-14651	28688	-36352	QP 2	-18.1	Si
80	-23189	18496	-36200	QP 2	-18	Si
140	-40265	-1889	-35896	QP 2	-17.9	Si
110	-31727	8303	-36048	QP 2	-17.8	Si

Pilastrata 63

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -57.2 a -34, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -22, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-92934	654635	-41304	-260862	1837543	LU 12	2.807	Si
20	18.1	1.8	0	1,2,3,4	92502	575107	-41112	288784	1795435	LU 12	3.122	Si
50	18.1	1.8	0	1,2,3,4	92052	492098	-40912	320405	1712835	LU 12	3.481	Si
80	18.1	0.9	0	2,3,4	91608	410147	-40715	353651	1583361	LU 12	3.86	Si
110	18.1	0.9	0	2,3,4	91164	328195	-40517	390511	1405860	LU 12	4.284	Si
350	18.1	0.9	0	2,3,4	87617	-326051	-38941	385220	-1433520	LU 12	4.397	Si
140	18.1	0.9	0	2,3,4	90720	246244	-40320	432601	1174224	LU 12	4.769	Si
320	18.1	0.9	0	2,3,4	88591	-242349	-39374	431541	-1180513	LU 18	4.871	Si
170	18.1	0.9	0	2,3,4	90276	164292	-40122	480400	874279	LU 12	5.321	Si
290	18.1	0.9	0	2,3,4	89036	-161995	-39571	480426	-874105	LU 18	5.396	Si
200	18.1	0.9	0	2,3,4	90369	90369	-40164	509890	509890	LU 18	5.642	Si
230	18.1	0.9	0	2,3,4	89924	-89924	-39966	509890	-509890	LU 18	5.67	Si
260	18.1	0.9	0	2,3,4	89480	-89480	-39769	509890	-509890	LU 18	5.698	Si
420	18.1	2.3	0	2,3,4,5	-33570	238156	-16785	-192992	1369163	LU 12	5.749	Si
449	18.1	2.3	0	2,3,4,5	-33271	202798	-16636	-216692	1320793	LU 12	6.513	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-2732	-38941	LU 12	11521	4223	37927	2.5	4.22	41	-36144	LU 10	11151	4223	37544	2.5	273.9	Si
320	2X/2Y ø6/23.9	-2732	-39135	LU 12	11547	4223	37953	2.5	4.23	41	-36339	LU 10	11177	4223	37571	2.5	274.5	Si
290	2X/2Y ø6/23.9	-2732	-39333	LU 12	11573	4223	37980	2.5	4.24	41	-36536	LU 10	11203	4223	37598	2.5	275.12	Si
260	2X/2Y ø6/23.9	-2732	-39530	LU 12	11599	4223	38007	2.5	4.25	41	-36734	LU 10	11229	4223	37625	2.5	275.73	Si
230	2X/2Y ø6/23.9	-2732	-39728	LU 12	11625	4223	38034	2.5	4.26	41	-36931	LU 10	11255	4223	37652	2.5	276.34	Si
200	2X/2Y ø6/23.9	-2732	-39925	LU 12	11651	4223	38062	2.5	4.27	41	-37129	LU 10	11281	4223	37679	2.5	276.96	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
170	2X/2Y ø6/23.9	-2732	-40122	LU 12	11677	4223	38089	2.5	4.27	41	-37326	LU 10	11307	4223	37706	2.5	277.57	Si
140	2X/2Y ø6/23.9	-2732	-40320	LU 12	11703	4223	38116	2.5	4.28	41	-37523	LU 10	11333	4223	37733	2.5	278.18	Si
110	2X/2Y ø6/23.9	-2732	-40517	LU 12	11730	4223	38143	2.5	4.29	41	-37721	LU 10	11359	4223	37760	2.5	278.79	Si
80	2X/2Y ø6/23.9	-2732	-40715	LU 12	11756	4223	38170	2.5	4.3	41	-37918	LU 10	11386	4223	37787	2.5	279.41	Si
50	2X/2Y ø6/23.9	-2732	-40912	LU 12	11782	4223	38197	2.5	4.31	41	-38116	LU 10	11412	4223	37814	2.5	280.02	Si
20	2X/2Y ø6/23.9	-2732	-41112	LU 12	11808	4223	38224	2.5	4.32	41	-38316	LU 10	11438	4223	37841	2.5	280.64	Si
-10	2X/2Y ø6/23.9	-2732	-41304	LU 12	11834	4223	38250	2.5	4.33	41	-38507	LU 10	11464	4223	37867	2.5	281.23	Si
770	2X/2Y ø6/24.8	-1233	-14728	LU 11	7080	3562	27308	2.5	5.74	55	-15672	LU 18	7203	3562	27435	2.5	131.18	Si
741	2X/2Y ø6/24.8	-1233	-14877	LU 11	7099	3562	27328	2.5	5.76	55	-15821	LU 18	7222	3562	27455	2.5	131.53	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	-255	494651	-31485	RA 3	-44.4	-255	494651	-31485	RA 3	-543.7	Si
20	453	434514	-31338	RA 3	-36.8	453	434514	-31338	RA 3	-470.6	Si
50	1191	371745	-31184	RA 3	-33.5	1191	371745	-31184	RA 3	-431.7	Si
80	1919	309776	-31032	RA 3	-30.1	1919	309776	-31032	RA 3	-393.3	Si
110	2648	247807	-30880	RA 3	-26.8	2648	247807	-30880	RA 3	-354.8	Si
350	8460	-246914	-29668	RA 3	-26.5	8460	-246914	-29668	RA 3	-349.9	Si
140	3376	185838	-30728	RA 3	-23.5	3376	185838	-30728	RA 3	-316.4	Si
320	7744	-185978	-29817	RA 3	-23.3	8177	-183900	-29976	RA 9	-313.2	Si
420	-16537	178952	-12865	RA 3	-21.2	-16537	178952	-12865	RA 3	-261.6	Si
170	4104	123869	-30577	RA 3	-20.1	4104	123869	-30577	RA 3	-278	Si
290	7388	-122996	-30128	RA 9	-20.1	7388	-122996	-30128	RA 9	-276.5	Si
449	-15437	152428	-12750	RA 3	-19.2	-15437	152428	-12750	RA 3	-238.3	Si
478	-14317	125442	-12633	RA 3	-17	-14738	120661	-13102	RA 9	-214.8	Si
770	-3135	-143959	-11469	RA 3	-16.9	-3135	-143959	-11469	RA 3	-211.2	Si
260	6599	-62092	-30280	RA 9	-16.8	6599	-62092	-30280	RA 9	-239.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	-653	453292	-30119	QP 2	-40.8	Si
20	198	397986	-29972	QP 2	-34.3	Si
50	1086	340260	-29818	QP 2	-31.2	Si
80	1963	283269	-29666	QP 2	-28.1	Si
110	2840	226278	-29514	QP 2	-25.1	Si
350	9835	-228701	-28302	QP 2	-25	Si
320	8974	-172659	-28451	QP 2	-22.1	Si
140	3716	169287	-29362	QP 2	-22	Si
420	-14578	159525	-12604	QP 2	-19.5	Si
290	8098	-115668	-28603	QP 2	-19.1	Si
170	4593	112296	-29210	QP 2	-19	Si
449	-13612	136072	-12489	QP 2	-17.7	Si
260	7222	-58677	-28755	QP 2	-16	Si
200	5467	55427	-29059	QP 2	-15.9	Si
478	-12630	112210	-12372	QP 2	-15.8	Si

Pilastrata 64

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.6	-17.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	-17.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4
Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -80, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -80 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3,4,5	225047	746977	-33537	472051	1566831	LU 12	2.098	Si
420	18.1	2.3	0	3,4,5,6	183096	443892	-16791	418150	1013747	LU 12	2.284	Si
770	18.1	1.1	0	6	-147648	-408942	-14976	-371715	-1029545	LU 12	2.518	Si
20	18.1	1.8	0	2,3,4,5	191933	649480	-33346	484011	1637841	LU 12	2.522	Si
-80	18.1	0.9	0	2	-128911	-667462	-57294	-326702	-1691564	LU 12	2.534	Si
-110	18.1	0.9	0	2	-129348	-594039	-57488	-349214	-1603793	LU 12	2.7	Si
449	18.1	2.3	0	3,4,5,6	155929	373841	-16642	446021	1069334	LU 12	2.86	Si
-140	18.1	0.9	0	2	-129792	-519372	-57685	-373089	-1492945	LU 12	2.875	Si
-170	18.1	0.9	0	2	-130236	-444705	-57883	-398838	-1361873	LU 12	3.062	Si
50	18.1	1.8	0	2,3,4,5	157369	547716	-33146	485985	1691448	LU 12	3.088	Si
-500	18.1	1.8	0	1,2	135115	375390	-60051	429430	1193082	LU 12	3.178	Si
-200	18.1	0.9	0	2	-130688	-368833	-58083	-427287	-1205911	LU 12	3.27	Si
741	18.1	1.1	0	6	-120480	-338891	-15125	-397012	-1116728	LU 12	3.295	Si
-470	18.1	1.8	0	1,2	134678	301967	-59857	457225	1025161	LU 12	3.395	Si
350	18.1	0.9	0	3,4,5	-183296	-455286	-31175	-638228	-1585285	LU 12	3.482	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-2444	-14976	LU 12	7112	3526	27341	2.5	2.91	-952	-14757	LU 11	7084	3526	27311	2.5	7.44	Si
741	2X/2Y ø6/25	-2444	-15125	LU 12	7132	3526	27361	2.5	2.92	-952	-14906	LU 11	7103	3526	27332	2.5	7.46	Si
712	2X/2Y ø6/25	-2444	-15277	LU 12	7151	3526	27381	2.5	2.93	-952	-15058	LU 11	7123	3526	27352	2.5	7.48	Si
683	2X/2Y ø6/25	-2444	-15428	LU 12	7171	3526	27402	2.5	2.93	-952	-15209	LU 11	7143	3526	27372	2.5	7.5	Si
653	2X/2Y ø6/25	-2444	-15580	LU 12	7191	3526	27422	2.5	2.94	-952	-15361	LU 11	7162	3526	27393	2.5	7.52	Si
624	2X/2Y ø6/25	-2444	-15732	LU 12	7210	3526	27443	2.5	2.95	-952	-15513	LU 11	7182	3526	27413	2.5	7.54	Si
595	2X/2Y ø6/25	-2444	-15883	LU 12	7230	3526	27463	2.5	2.96	-952	-15664	LU 11	7202	3526	27434	2.5	7.57	Si
566	2X/2Y ø6/25	-2444	-16035	LU 12	7250	3526	27484	2.5	2.97	-952	-15816	LU 11	7221	3526	27454	2.5	7.59	Si
537	2X/2Y ø6/25	-2444	-16187	LU 12	7270	3526	27504	2.5	2.97	-952	-15968	LU 11	7241	3526	27474	2.5	7.61	Si
508	2X/2Y ø6/25	-2444	-16338	LU 12	7289	3526	27524	2.5	2.98	-952	-16119	LU 11	7261	3526	27495	2.5	7.63	Si
478	2X/2Y ø6/25	-2444	-16490	LU 12	7309	3526	27545	2.5	2.99	-952	-16271	LU 11	7281	3526	27515	2.5	7.65	Si
449	2X/2Y ø6/25	-2444	-16642	LU 12	7329	3526	27565	2.5	3	-952	-16423	LU 11	7300	3526	27536	2.5	7.67	Si
420	2X/2Y ø6/25	-2444	-16791	LU 12	7348	3526	27585	2.5	3.01	-952	-16572	LU 11	7320	3526	27556	2.5	7.69	Si
350	2X/2Y ø6/24	-3349	-31175	LU 12	10493	4203	36864	2.5	3.13	-1139	-30928	LU 11	10461	4203	36830	2.5	9.18	Si
320	2X/2Y ø6/24	-3349	-31369	LU 12	10519	4203	36890	2.5	3.14	-1139	-31122	LU 11	10486	4203	36856	2.5	9.21	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	166798	562683	-25465	RA 3	-65.5	167045	560791	-25301	RA 2	780.8	Si
420	137007	335166	-12783	RA 3	-58.2	137610	332980	-12637	RA 2	818.6	Si
20	142250	489131	-25318	RA 3	-56	142250	489131	-25318	RA 3	-652.7	Si
-80	-86098	-504442	-43320	RA 3	-52.7	-86098	-504442	-43320	RA 3	-667.1	Si
770	-110485	-308504	-11387	RA 3	-51.6	-110485	-308504	-11387	RA 3	740.2	Si
449	116678	282295	-12668	RA 3	-48.7	117200	280510	-12522	RA 2	607.5	Si
-110	-73688	-448849	-43469	RA 3	-46.8	-73688	-448849	-43469	RA 3	-603.4	Si
50	116627	412361	-25164	RA 3	-46.2	116627	412361	-25164	RA 3	-553.4	Si
-140	-61068	-392313	-43621	RA 3	-43.2	-61068	-392313	-43621	RA 3	-562.1	Si
741	-90156	-255633	-11502	RA 3	-42.1	-90156	-255633	-11502	RA 3	518.4	Si
350	-135912	-344305	-23648	RA 3	-41.4	-135912	-344305	-23648	RA 3	-501.5	Si
-500	90161	285176	-45441	RA 3	-39.8	90161	285176	-45441	RA 3	-526.3	Si
-170	-48448	-335777	-43773	RA 3	-39.5	-48448	-335777	-43773	RA 3	-520.8	Si
478	95994	228503	-12552	RA 3	-39	95994	228503	-12552	RA 3	-435.1	Si
80	91331	336568	-25012	RA 3	-37.1	91331	336568	-25012	RA 3	-458.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	138137	507905	-23903	QP 2	-57.8	Si
420	119731	305895	-12133	QP 2	-52.3	Si
20	117786	441005	-23755	QP 2	-49.4	Si
-80	-71062	-462930	-39835	QP 2	-47.8	Si
770	-96544	-280089	-10737	QP 2	-46.3	Si
449	101966	257762	-12019	QP 2	-43.8	Si
-110	-60895	-411421	-39984	QP 2	-42.6	Si
50	96544	371177	-23602	QP 2	-40.8	Si
-140	-50555	-359040	-40136	QP 2	-39.3	Si
741	-78779	-231957	-10852	QP 2	-37.8	Si
350	-112823	-317059	-22085	QP 2	-37.1	Si
-500	73346	268662	-41956	QP 2	-36.5	Si
-170	-40216	-306659	-40288	QP 2	-36	Si
478	83892	208790	-11902	QP 2	-35.1	Si
-470	63179	217154	-41807	QP 2	-33.2	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	124839	313633	-12277	FR 2	110118	276650	276650	744.3	438.1	0.0207	58.7	0.0127	Si	Si
-10	146397	523015	-24302	FR 2	132089	471901	471901	689	456.2	0.0198	59.28	0.0119	Si	Si
770	-100639	-287437	-10881	FR 2	-100335	-286570	-286570	672.7	288.9	0.0313	44.79	0.0088	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	119731	305895	-12133	QP 2	109306	279260	279260	714.7	434	0.0208	58.28	0.0121	Si	Si
-10	138137	507905	-23903	QP 2	130196	478707	478707	652.6	449.5	0.0201	58.58	0.0111	Si	Si

Pilastrata 65

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -45 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-107790	747749	-19719	-137508	953907	LU 11	1.276	Si
449	18.1	2.3	0	2,3,4,5	-92091	642178	-19569	-148285	1034029	LU 11	1.61	Si
770	18.1	1.1	0	5	85451	-544136	-18478	171626	-1092884	LU 12	2.008	Si
478	18.1	2.3	0	2,3,4,5	-76119	534766	-19418	-162548	1141962	LU 11	2.135	Si
741	18.1	1.1	0	5	69374	-437601	-18627	195983	-1236230	LU 12	2.825	Si
508	18.1	1.1	0	5	-60146	427353	-19266	-180521	1282639	LU 11	3.001	Si
350	18.1	0.9	0	2,3,4	99554	-525973	-44246	322714	-1704987	LU 12	3.242	Si
320	18.1	0.9	0	2,3,4	99991	-471446	-44441	344610	-1624792	LU 12	3.446	Si
290	18.1	0.9	0	2,3,4	100436	-415995	-44638	367142	-1520669	LU 12	3.655	Si
260	18.1	0.9	0	2,3,4	100880	-360544	-44835	391660	-1399793	LU 12	3.882	Si
712	18.1	1.1	0	5	54704	-337436	-21427	221344	-1365344	LU 18	4.046	Si
230	18.1	0.9	0	2,3,4	101324	-305093	-45033	418119	-1258982	LU 12	4.127	Si
537	18.1	1.1	0	5	-45126	321153	-19688	-194154	1381773	LU 12	4.303	Si
200	18.1	0.9	0	2,3,4	101769	-249523	-45231	446003	-1093531	LU 12	4.382	Si
170	18.1	0.9	0	2,3,4	102212	-194191	-45428	475961	-904265	LU 12	4.657	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-3683	-17904	LU 11	7493	3526	27735	2.5	2.03	561	-18478	LU 12	7568	3526	27812	2.5	13.49	Si
741	2X/2Y ø6/25	-3683	-18053	LU 11	7513	3526	27755	2.5	2.04	561	-18627	LU 12	7587	3526	27832	2.5	13.53	Si
712	2X/2Y ø6/25	-3683	-18204	LU 11	7532	3526	27776	2.5	2.05	561	-18778	LU 12	7607	3526	27853	2.5	13.56	Si
683	2X/2Y ø6/25	-3683	-18356	LU 11	7552	3526	27796	2.5	2.05	561	-18930	LU 12	7627	3526	27873	2.5	13.6	Si
653	2X/2Y ø6/25	-3683	-18508	LU 11	7572	3526	27816	2.5	2.06	561	-19082	LU 12	7646	3526	27894	2.5	13.63	Si
624	2X/2Y ø6/25	-3683	-18659	LU 11	7591	3526	27837	2.5	2.06	561	-19233	LU 12	7666	3526	27914	2.5	13.67	Si
595	2X/2Y ø6/25	-3683	-18811	LU 11	7611	3526	27857	2.5	2.07	561	-19385	LU 12	7686	3526	27934	2.5	13.7	Si
566	2X/2Y ø6/25	-3683	-18963	LU 11	7631	3526	27878	2.5	2.07	561	-19537	LU 12	7706	3526	27955	2.5	13.74	Si
537	2X/2Y ø6/25	-3683	-19114	LU 11	7651	3526	27898	2.5	2.08	561	-19688	LU 12	7725	3526	27975	2.5	13.78	Si
508	2X/2Y ø6/25	-3683	-19266	LU 11	7670	3526	27918	2.5	2.08	561	-19840	LU 12	7745	3526	27996	2.5	13.81	Si
478	2X/2Y ø6/25	-3683	-19418	LU 11	7690	3526	27939	2.5	2.09	561	-19992	LU 12	7765	3526	28016	2.5	13.85	Si
449	2X/2Y ø6/25	-3683	-19569	LU 11	7710	3526	27959	2.5	2.09	561	-20143	LU 12	7785	3526	28037	2.5	13.88	Si
420	2X/2Y ø6/25	-3683	-19719	LU 11	7729	3526	27979	2.5	2.1	561	-20292	LU 12	7804	3526	28057	2.5	13.92	Si
350	2X/2Y ø6/24	-1858	-43724	LU 11	12154	4203	38582	2.5	6.54	209	-39064	LU 13	11537	4203	37944	2.5	55.26	Si
320	2X/2Y ø6/24	-1858	-43918	LU 11	12180	4203	38608	2.5	6.55	209	-39259	LU 13	11563	4203	37970	2.5	55.38	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	-83220	565936	-15714	RA 3	-79.2	-81565	562524	-15331	RA 2	1389.6	Si
449	-71084	485634	-15599	RA 3	-67.9	-69680	482864	-15217	RA 2	1094.5	Si
770	66220	-415993	-16084	RA 9	-58.7	64539	-411699	-14318	RA 3	879.7	Si
478	-58735	403931	-15483	RA 3	-56.3	-57588	401815	-15100	RA 2	799.1	Si
741	53807	-336281	-16199	RA 9	-47.2	51241	-327627	-14050	RA 2	583.5	Si
508	-46387	322228	-15366	RA 3	-44.6	-45496	320766	-14983	RA 2	513.8	Si
350	58898	-394411	-33397	RA 3	-38.7	58898	-394411	-33397	RA 3	-495.3	Si
320	54048	-353367	-33546	RA 3	-36.3	54048	-353367	-33546	RA 3	-468.2	Si
712	41178	-255179	-16315	RA 9	-35.6	41178	-255179	-16315	RA 9	-412.1	Si
290	49116	-311626	-33698	RA 3	-33.9	49116	-311626	-33698	RA 3	-440.7	Si
537	-34038	240525	-15249	RA 3	-33	-34038	240525	-15249	RA 3	-382.2	Si
260	44184	-269886	-33850	RA 3	-31.5	44184	-269886	-33850	RA 3	-413.1	Si
230	39253	-228145	-34002	RA 3	-29.1	39253	-228145	-34002	RA 3	-385.6	Si
200	34310	-186315	-34154	RA 3	-26.6	34310	-186315	-34154	RA 3	-358	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
170	29389	-144665	-34306	RA 3	-24.2	29389	-144665	-34306	RA 3	-330.5	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	-75420	504884	-16075	QP 2	-70.8	Si
449	-64404	432272	-15960	QP 2	-60.5	Si
770	58688	-379130	-14679	QP 2	-53.3	Si
478	-53196	358393	-15844	QP 2	-49.9	Si
741	47672	-306518	-14794	QP 2	-42.9	Si
508	-41989	284514	-15727	QP 2	-39.4	Si
350	56850	-348117	-30386	QP 2	-34.8	Si
320	52152	-311105	-30536	QP 2	-32.7	Si
712	36465	-232639	-14910	QP 2	-32.3	Si
290	47374	-273467	-30687	QP 2	-30.5	Si
260	42596	-235828	-30839	QP 2	-28.3	Si
537	-30781	210635	-15610	QP 2	-26.1	Si
230	37817	-198190	-30991	QP 2	-26.1	Si
200	33029	-160470	-31143	QP 2	-23.9	Si
170	28261	-122913	-31295	QP 2	-21.7	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	-77175	521353	-15863	FR 2	-49199	332357	332357	1211.6	361	0.0251	48.79	0.0172	Si	Si
449	-65911	446727	-15748	FR 2	-50993	345614	345614	938.1	348	0.026	48.92	0.0134	Si	Si
770	59956	-387175	-14467	FR 2	54007	-348760	-348760	781	351.3	0.0258	48.07	0.0109	Si	Si
478	-54451	370799	-15631	FR 2	-53824	366529	366529	666.1	328.1	0.0276	46.01	0.0089	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	-75420	504884	-16075	QP 2	-50130	335586	335586	1141	357.7	0.0253	48.52	0.0161	Si	Si
449	-64404	432272	-15960	QP 2	-52118	349810	349810	876.3	343.7	0.0263	48.57	0.0124	Si	Si
770	58688	-379130	-14679	QP 2	54598	-352710	-352710	742	347.4	0.026	47.73	0.0103	Si	Si

Pilastrata 66

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 14.8, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 14.8 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometriche

L'appoggio -22 ha ampiezza nulla.

Anomalie quantitativo di acciaio

Sezione a quota -16 in Campata da -22 a 408, percentuale acciaio = 0.087% < 0.3%.
Sezione a quota -10 in Campata da -22 a 408, percentuale acciaio = 0.174% < 0.3%.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	37945	-801991	-18973	42983	-908470	LU 11	1.133	Si
449	18.1	2.3	0	2,3,4,5	-37647	-692086	-18824	-53514	-983768	LU 11	1.421	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
770	18.1	1.1	0	5	-81803	578282	-18966	-152415	1077448	LU 18	1.863	Si
478	18.1	2.3	0	2,3,4,5	-37344	-580264	-18672	-70102	-1089269	LU 11	1.877	Si
741	18.1	1.1	0	5	-74747	466404	-19115	-194036	1210740	LU 18	2.596	Si
508	18.1	1.1	0	5	-37041	-468443	-18520	-97417	-1232015	LU 11	2.63	Si
712	18.1	1.1	0	5	-66401	354168	-19562	-250059	1333765	LU 17	3.766	Si
537	18.1	1.1	0	5	-36737	-356621	-18369	-141131	-1370012	LU 11	3.842	Si
-22	0	0.9	0	1	-86337	86337	-38372	-428591	428591	LU 18	4.964	Si
-17	1.47	0.9	0	1	-86256	86256	-38336	-435192	435192	LU 18	5.045	Si
683	18.1	1.1	0	5	-59144	250375	-19713	-305605	1293720	LU 17	5.167	Si
566	18.1	1.1	0	5	-37181	-243489	-18590	-205455	-1345488	LU 12	5.526	Si
14	17.38	1.8	0	1,2,3,4	85810	-85810	-38138	506695	-506695	LU 18	5.905	Si
44	18.1	1.8	0	1,2,3,4	85357	-85357	-37937	509890	-509890	LU 18	5.974	Si
75	18.1	0.9	0	2,3,4	84899	-84899	-37733	509890	-509890	LU 18	6.006	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	3878	-17531	LU 12	7445	3562	27685	2.5	1.92	-249	-19261	LU 17	7670	3562	27918	2.5	30.83	Si
741	2X/2Y ø6/24.8	3878	-17680	LU 12	7464	3562	27705	2.5	1.92	-249	-19410	LU 17	7689	3562	27938	2.5	30.91	Si
712	2X/2Y ø6/24.8	3878	-17832	LU 12	7484	3562	27725	2.5	1.93	-249	-19562	LU 17	7709	3562	27958	2.5	30.98	Si
683	2X/2Y ø6/24.8	3878	-17984	LU 12	7504	3562	27746	2.5	1.93	-249	-19713	LU 17	7729	3562	27979	2.5	31.06	Si
653	2X/2Y ø6/24.8	3878	-18135	LU 12	7523	3562	27766	2.5	1.94	-249	-19865	LU 17	7748	3562	27999	2.5	31.14	Si
624	2X/2Y ø6/24.8	3878	-18287	LU 12	7543	3562	27787	2.5	1.94	-249	-20017	LU 17	7768	3562	28019	2.5	31.22	Si
595	2X/2Y ø6/24.8	3878	-18439	LU 12	7563	3562	27807	2.5	1.95	-249	-20168	LU 17	7788	3562	28040	2.5	31.3	Si
566	2X/2Y ø6/24.8	3878	-18590	LU 12	7582	3562	27828	2.5	1.96	-249	-20320	LU 17	7808	3562	28060	2.5	31.38	Si
537	2X/2Y ø6/24.8	3878	-18742	LU 12	7602	3562	27848	2.5	1.96	-249	-20472	LU 17	7827	3562	28081	2.5	31.46	Si
508	2X/2Y ø6/24.8	3878	-18894	LU 12	7622	3562	27868	2.5	1.97	-249	-20623	LU 17	7847	3562	28101	2.5	31.54	Si
478	2X/2Y ø6/24.8	3878	-19045	LU 12	7642	3562	27889	2.5	1.97	-249	-20775	LU 17	7867	3562	28122	2.5	31.62	Si
449	2X/2Y ø6/24.8	3878	-19197	LU 12	7661	3562	27909	2.5	1.98	-249	-20927	LU 17	7886	3562	28142	2.5	31.7	Si
420	2X/2Y ø6/24.8	3878	-19346	LU 12	7681	3562	27929	2.5	1.98	-249	-21076	LU 17	7906	3562	28162	2.5	31.78	Si
350	2X/2Y ø6/23.9	-261	-34088	LU 17	10879	4223	37262	2.5	41.71	151	-34088	LU 17	10879	4223	37262	2.5	72.02	Si
319	2X/2Y ø6/23.9	-261	-34286	LU 17	10905	4223	37290	2.5	41.81	151	-34286	LU 17	10905	4223	37290	2.5	72.2	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	2958	-605442	-14887	RA 3	-71.8	2958	-605442	-14887	RA 3	1432.3	Si
449	-2052	-521495	-14772	RA 3	-62.6	-1879	-518906	-14523	RA 2	1143.3	Si
770	-62000	437817	-14447	RA 9	-60.9	-62000	437817	-14447	RA 9	960.2	Si
478	-7149	-436083	-14655	RA 3	-53.3	-6894	-434360	-14406	RA 2	861.8	Si
741	-56629	353405	-14562	RA 9	-49.8	-56629	353405	-14562	RA 9	656.7	Si
508	-12247	-350671	-14539	RA 3	-43.9	-11908	-349813	-14290	RA 2	587.7	Si
712	-50387	268582	-14875	RA 8	-38.4	-50387	268582	-14875	RA 8	-432.9	Si
537	-17345	-265260	-14422	RA 3	-34.2	-17345	-265260	-14422	RA 3	-385.5	Si
683	-44870	189389	-14992	RA 8	-25.2	-44870	189389	-14992	RA 8	-310.1	Si
566	-22442	-179848	-14305	RA 3	-22.5	-22442	-179848	-14305	RA 3	-278.7	Si
653	-39354	110195	-15108	RA 8	-19.1	-39354	110195	-15108	RA 8	-242.3	Si
350	39354	-70144	-26077	RA 8	-17.2	39354	-70144	-26077	RA 8	-237.3	Si
319	35889	-64187	-26230	RA 8	-16.8	35889	-64187	-26230	RA 8	-232.5	Si
595	-27540	-94436	-14189	RA 3	-16.6	-27540	-94436	-14189	RA 3	-212.6	Si
289	32366	-58132	-26385	RA 8	-16.3	32366	-58132	-26385	RA 8	-227.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	4341	-534147	-14834	QP 2	-64.3	Si
770	-56274	397449	-13438	QP 2	-55.3	Si
449	-638	-457626	-14719	QP 2	-54.9	Si
478	-5704	-379771	-14603	QP 2	-46.5	Si
741	-51295	320928	-13553	QP 2	-45.2	Si
508	-10770	-301915	-14486	QP 2	-37.8	Si
712	-45896	243528	-13754	QP 1	-34.8	Si
537	-15835	-224060	-14369	QP 2	-25.3	Si
683	-40808	168540	-13870	QP 1	-22.8	Si
566	-20901	-146204	-14253	QP 2	-19.9	Si
653	-35720	93552	-13987	QP 1	-17	Si
350	37058	-63092	-25141	QP 1	-16.3	Si
319	33789	-57649	-25293	QP 1	-15.9	Si
289	30466	-52115	-25448	QP 1	-15.5	Si
258	27143	-46581	-25602	QP 1	-15.1	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	3972	-553534	-14778	FR 2	2718	-378853	-378853	1256.1	331.1	0.0273	43.92	0.0161	Si	Si
449	-993	-475135	-14663	FR 2	-828	-396068	-396068	982.8	318.8	0.0284	43.85	0.0126	Si	Si
770	-56467	400936	-13382	FR 2	-48301	342952	342952	871.8	351.4	0.0257	47.84	0.0121	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	4341	-534147	-14834	QP 2	3105	-382074	-382074	1186	328.7	0.0275	43.72	0.0151	Si	Si
770	-56274	397449	-13438	QP 2	-48688	343873	343873	856.8	350.4	0.0258	47.77	0.0119	Si	Si
449	-638	-457626	-14719	QP 2	-560	-401314	-401314	919.1	315.1	0.0287	43.5	0.0116	Si	Si

Pilastrata 67

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.6	-17.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	-17.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4
Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -80, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -80 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	2,3,4,5	72116	857619	-32052	134569	1600316	LU 12	1.866	Si
420	18.1	2.3	0	3,4,5,6	32001	502454	-16000	68920	1082132	LU 11	2.154	Si
20	18.1	1.8	0	2,3,4,5	71685	744217	-31860	166282	1726286	LU 12	2.32	Si
770	18.1	1.1	0	6	-28371	-447264	-14186	-68470	-1079405	LU 11	1.813	Si
-80	18.1	0.9	0	2	-124455	-702619	-55313	-309740	-1748659	LU 12	1.889	Si
-110	18.1	0.9	0	2	-124892	-625608	-55508	-333265	-1669391	LU 12	2.668	Si
449	18.1	2.3	0	3,4,5,6	31703	424445	-15851	89151	1193576	LU 11	2.812	Si
-140	18.1	0.9	0	2	-125336	-547293	-55705	-357993	-1563213	LU 12	2.856	Si
50	18.1	1.8	0	2,3,4,5	71235	625851	-31660	208241	1829535	LU 12	2.923	Si
-170	18.1	0.9	0	2	-125780	-468977	-55902	-384898	-1435108	LU 12	3.06	Si
-500	18.1	1.8	0	1,2	130660	391188	-58071	418977	1254397	LU 12	3.207	Si
-200	18.1	0.9	0	2	-126232	-389399	-56103	-414474	-1278565	LU 12	3.283	Si
741	18.1	1.1	0	6	-28669	-369255	-14335	-94673	-1219370	LU 11	3.302	Si
350	18.1	0.9	0	3,4,5	-66800	-540783	-29689	-228705	-1851479	LU 12	3.424	Si
-470	18.1	1.8	0	1,2	130223	314178	-57877	448073	1081028	LU 12	3.441	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-2721	-14186	LU 11	7009	3526	27235	2.5	2.58	-112	-14186	LU 11	7009	3526	27235	2.5	62.8	Si
741	2X/2Y ø6/25	-2721	-14335	LU 11	7029	3526	27255	2.5	2.58	-112	-14335	LU 11	7029	3526	27255	2.5	62.97	Si
712	2X/2Y ø6/25	-2721	-14486	LU 11	7048	3526	27275	2.5	2.59	-112	-14486	LU 11	7048	3526	27275	2.5	63.15	Si
683	2X/2Y ø6/25	-2721	-14638	LU 11	7068	3526	27295	2.5	2.6	-112	-14638	LU 11	7068	3526	27295	2.5	63.32	Si
653	2X/2Y ø6/25	-2721	-14790	LU 11	7088	3526	27316	2.5	2.6	-112	-14790	LU 11	7088	3526	27316	2.5	63.5	Si
624	2X/2Y ø6/25	-2721	-14941	LU 11	7108	3526	27336	2.5	2.61	-112	-14941	LU 11	7108	3526	27336	2.5	63.68	Si
595	2X/2Y ø6/25	-2721	-15093	LU 11	7127	3526	27357	2.5	2.62	-112	-15093	LU 11	7127	3526	27357	2.5	63.85	Si
566	2X/2Y ø6/25	-2721	-15245	LU 11	7147	3526	27377	2.5	2.63	-112	-15245	LU 11	7147	3526	27377	2.5	64.03	Si
537	2X/2Y ø6/25	-2721	-15396	LU 11	7167	3526	27398	2.5	2.63	-112	-15396	LU 11	7167	3526	27398	2.5	64.21	Si
508	2X/2Y ø6/25	-2721	-15548	LU 11	7187	3526	27418	2.5	2.64	-112	-15548	LU 11	7187	3526	27418	2.5	64.38	Si
350	2X/2Y ø6/24	-3895	-29689	LU 12	10297	4203	36660	2.5	2.64	-106	-23471	LU 3	9474	4203	35809	2.5	89.41	Si
478	2X/2Y ø6/25	-2721	-15700	LU 11	7206	3526	27438	2.5	2.65	-112	-15700	LU 11	7206	3526	27438	2.5	64.56	Si
320	2X/2Y ø6/24	-3895	-29883	LU 12	10322	4203	36687	2.5	2.65	-106	-23620	LU 3	9494	4203	35829	2.5	89.6	Si
449	2X/2Y ø6/25	-2721	-15851	LU 11	7226	3526	27459	2.5	2.66	-112	-15851	LU 11	7226	3526	27459	2.5	64.74	Si
290	2X/2Y ø6/24	-3895	-30081	LU 12	10348	4203	36714	2.5	2.66	-106	-23772	LU 3	9514	4203	35850	2.5	89.79	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	16201	645920	-24374	RA 3	-59.5	15960	643841	-24219	RA 2	865	Si
420	17517	380564	-12354	RA 3	-48	18143	379361	-12217	RA 2	788.3	Si
20	14172	560404	-24226	RA 3	-51.5	13967	558608	-24072	RA 2	633.5	Si
-80	-23073	-530469	-41871	RA 3	-50.2	-23073	-530469	-41871	RA 3	-634.4	Si
770	-9644	-338154	-10958	RA 3	-41.9	-10285	-337317	-10821	RA 2	693.8	Si
-110	-18876	-472263	-42020	RA 3	-44.5	-18876	-472263	-42020	RA 3	-574.7	Si
50	12054	471146	-24073	RA 3	-43.2	12054	471146	-24073	RA 3	-506.8	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-14608	-413070	-42172	RA 3	-41.2	-14608	-413070	-42172	RA 3	-536.9	Si
449	15286	321529	-12239	RA 3	-40.7	15808	320493	-12102	RA 2	587.7	Si
-170	-10339	-353878	-42324	RA 3	-37.8	-10339	-353878	-42324	RA 3	-499.1	Si
350	-8822	-408599	-22556	RA 3	-37.3	-8822	-408599	-22556	RA 3	-444	Si
-500	36539	296256	-43992	RA 3	-36.9	36539	296256	-43992	RA 3	-490.8	Si
741	-7413	-279119	-11073	RA 3	-34.6	-7950	-278450	-10935	RA 2	484	Si
-200	-6003	-293730	-42478	RA 3	-34.5	-6003	-293730	-42478	RA 3	-460.7	Si
-470	32342	238049	-43843	RA 3	-33.5	32342	238049	-43843	RA 3	-451.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	5722	582564	-23047	QP 2	-52.8	Si
20	5181	504946	-22900	QP 2	-45.7	Si
-80	-17597	-484385	-38726	QP 2	-43.6	Si
420	14260	346862	-11801	QP 2	-43.6	Si
-110	-14289	-430920	-38876	QP 2	-40.7	Si
50	4617	423932	-22746	QP 2	-38.3	Si
770	-7169	-306688	-10405	QP 2	-37.8	Si
-140	-10925	-376549	-39028	QP 2	-37.7	Si
449	12500	293180	-11686	QP 2	-36.9	Si
-170	-7560	-322178	-39179	QP 2	-34.6	Si
-500	29392	274998	-40847	QP 2	-34	Si
350	-946	-374561	-21230	QP 2	-33.6	Si
-200	-4142	-266930	-39334	QP 2	-31.6	Si
741	-5409	-253005	-10520	QP 2	-31.2	Si
-470	26084	221533	-40698	QP 2	-30.9	Si

Pilastrata 68

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -45 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	65493	829002	-22739	77923	986336	LU 11	1.19	Si
449	18.1	2.3	0	2,3,4,5	55501	709585	-22590	84298	1077756	LU 11	1.519	Si
770	18.1	1.1	0	5	-57577	-637305	-21695	-101217	-1120348	LU 12	1.758	Si
478	18.1	2.3	0	2,3,4,5	45334	588084	-22438	93087	1207543	LU 11	2.053	Si
741	18.1	1.1	0	5	-47363	-516173	-21844	-116645	-1271229	LU 12	1.863	Si
508	18.1	1.1	0	5	44573	466584	-22287	127999	1339873	LU 11	2.872	Si
350	18.1	0.9	0	2,3,4	-110440	-571465	-49084	-326825	-1691142	LU 12	2.959	Si
320	18.1	0.9	0	2,3,4	-110876	-510439	-49278	-348790	-1605714	LU 12	3.146	Si
290	18.1	0.9	0	2,3,4	-111321	-448380	-49476	-371963	-1498200	LU 12	3.341	Si
712	18.1	1.1	0	5	-50128	-408275	-25064	-171376	-1395807	LU 18	3.419	Si
260	18.1	0.9	0	2,3,4	-111765	-386320	-49673	-396925	-1371989	LU 12	3.551	Si
230	18.1	0.9	0	2,3,4	-112209	-324260	-49871	-424026	-1225343	LU 12	3.779	Si
537	18.1	1.1	0	5	45811	346538	-22906	182775	1382599	LU 12	3.99	Si
200	18.1	0.9	0	2,3,4	-112654	-262067	-50069	-452672	-1053049	LU 12	4.018	Si
170	18.1	0.9	0	2,3,4	-113098	-200141	-50266	-483221	-855123	LU 12	4.273	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-4226	-21695	LU 12	7986	3526	28245	2.5	1.89	-356	-21695	LU 12	7986	3526	28245	2.5	21.81	Si
741	2X/2Y ø6/25	-4226	-21844	LU 12	8006	3526	28265	2.5	1.89	-356	-21844	LU 12	8006	3526	28265	2.5	21.87	Si
712	2X/2Y ø6/25	-4226	-21996	LU 12	8026	3526	28286	2.5	1.9	-356	-21996	LU 12	8026	3526	28286	2.5	22.52	Si
683	2X/2Y ø6/25	-4226	-22147	LU 12	8045	3526	28306	2.5	1.9	-356	-22147	LU 12	8045	3526	28306	2.5	22.58	Si
653	2X/2Y ø6/25	-4226	-22299	LU 12	8065	3526	28327	2.5	1.91	-356	-22299	LU 12	8065	3526	28327	2.5	22.64	Si
624	2X/2Y ø6/25	-4226	-22451	LU 12	8085	3526	28347	2.5	1.91	-356	-22451	LU 12	8085	3526	28347	2.5	22.69	Si
595	2X/2Y ø6/25	-4226	-22602	LU 12	8105	3526	28368	2.5	1.92	-356	-22602	LU 12	8105	3526	28368	2.5	22.75	Si

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
566	2X/2Y ø6/25	-4226	-22754	LU 12	8124	3526	28388	2.5	1.92	-356	-22754	LU 12	8124	3526	28388	2.5	22.8	Si
537	2X/2Y ø6/25	-4226	-22906	LU 12	8144	3526	28408	2.5	1.93	-356	-22906	LU 12	8144	3526	28408	2.5	22.86	Si
508	2X/2Y ø6/25	-4226	-23057	LU 12	8164	3526	28429	2.5	1.93	-356	-23057	LU 12	8164	3526	28429	2.5	22.91	Si
478	2X/2Y ø6/25	-4226	-23209	LU 12	8183	3526	28449	2.5	1.94	-356	-23209	LU 12	8183	3526	28449	2.5	22.97	Si
449	2X/2Y ø6/25	-4226	-23361	LU 12	8203	3526	28470	2.5	1.94	-356	-23361	LU 12	8203	3526	28470	2.5	23.02	Si
420	2X/2Y ø6/25	-4226	-23510	LU 12	8223	3526	28490	2.5	1.95	-356	-23510	LU 12	8223	3526	28490	2.5	23.08	Si
350	2X/2Y ø6/24	-2087	-48473	LU 11	12670	4203	39232	2.5	6.07	-64	-39285	LU 3	11566	4203	37974	2.5	179.63	Si
290	2X/2Y ø6/24	-2087	-48864	LU 11	12670	4203	39285	2.5	6.07	-64	-39586	LU 3	11606	4203	38015	2.5	180.25	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	49446	629719	-18176	RA 3	-82.1	48593	624119	-17662	RA 2	1440.1	Si
449	41868	538380	-18061	RA 3	-70.3	41162	533922	-17548	RA 2	1118.1	Si
770	-42908	-492676	-18826	RA 9	-64.9	-42823	-482279	-16780	RA 3	976.8	Si
478	34156	445448	-17945	RA 3	-58.1	33601	442153	-17431	RA 2	797	Si
741	-35407	-401255	-18940	RA 9	-52.8	-35244	-390940	-16895	RA 3	650.9	Si
508	26445	352516	-17828	RA 3	-45.8	26445	352516	-17828	RA 3	-509.5	Si
712	-27774	-308239	-19057	RA 9	-40.6	-27774	-308239	-19057	RA 9	-468.7	Si
350	-11797	-428138	-37078	RA 3	-39.6	-11797	-428138	-37078	RA 3	-511.1	Si
320	-10422	-382300	-37228	RA 3	-37.1	-10422	-382300	-37228	RA 3	-483.3	Si
290	-9024	-335685	-37379	RA 3	-34.7	-9024	-335685	-37379	RA 3	-454.9	Si
537	18734	259584	-17711	RA 3	-33.7	18734	259584	-17711	RA 3	-397.2	Si
260	-7626	-289070	-37531	RA 3	-32.2	-7626	-289070	-37531	RA 3	-426.5	Si
230	-6228	-242455	-37683	RA 3	-29.7	-6228	-242455	-37683	RA 3	-398.2	Si
683	-20142	-215223	-19174	RA 9	-27.6	-20142	-215223	-19174	RA 9	-344.5	Si
200	-4827	-195740	-37835	RA 3	-27.2	-4827	-195740	-37835	RA 3	-369.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	40464	562351	-18440	QP 2	-72.9	Si
449	34194	479723	-18325	QP 2	-62.2	Si
770	-35863	-443588	-17044	QP 2	-58.1	Si
478	27815	395655	-18208	QP 2	-51.2	Si
741	-29594	-360961	-17158	QP 2	-47.3	Si
508	21437	311587	-18092	QP 2	-40.3	Si
712	-23215	-276892	-17275	QP 2	-36.2	Si
350	-3146	-376331	-33867	QP 2	-35	Si
320	-2527	-335413	-34016	QP 2	-32.8	Si
290	-1899	-293801	-34168	QP 2	-30.6	Si
260	-1270	-252189	-34320	QP 2	-28.5	Si
537	15058	227518	-17975	QP 2	-27.4	Si
230	-641	-210578	-34472	QP 2	-26.3	Si
683	-16836	-192824	-17392	QP 2	-24.7	Si
200	-11	-168877	-34624	QP 2	-24.1	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	42786	579999	-18217	FR 2	26878	364357	364357	1250.2	340.1	0.0266	45.81	0.0167	Si	Si
449	36185	495209	-18103	FR 2	27880	381549	381549	952	325.8	0.0278	45.81	0.0127	Si	Si
770	-37581	-452268	-16821	FR 2	-31495	-379018	-379018	863.8	325.3	0.0278	44.65	0.0112	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	40464	562351	-18440	QP 2	26590	369535	369535	1175	335.8	0.0269	45.4	0.0155	Si	Si
449	34194	479723	-18325	QP 2	27667	388149	388149	886.6	320.6	0.0282	45.31	0.0117	Si	Si
770	-35863	-443588	-17044	QP 2	-31070	-384301	-384301	822	321.2	0.0282	44.25	0.0106	Si	Si

Pilastrata 69

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 14.8, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 14.8 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometriche

L'appoggio -22 ha ampiezza nulla.

Anomalie quantitativo di acciaio

Sezione a quota -16 in Campata da -22 a 408, percentuale acciaio = 0.087% < 0.3%.
Sezione a quota -10 in Campata da -22 a 408, percentuale acciaio = 0.174% < 0.3%.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-43222	-923390	-21611	-42287	-903431	LU 12	0.978	No
449	18.1	2.3	0	2,3,4,5	-41890	-785520	-20945	-51840	-972094	LU 11	1.238	Si
770	18.1	1.1	0	5	-80528	715049	-21533	-116493	1034397	LU 18	1.447	Si
478	18.1	2.3	0	2,3,4,5	-41587	-654588	-20793	-68643	-1080453	LU 11	1.651	Si
741	18.1	1.1	0	5	-73986	582063	-21682	-148316	1166827	LU 18	2.005	Si
508	18.1	1.1	0	5	-41284	-523656	-20642	-96962	-1229907	LU 11	2.349	Si
712	18.1	1.1	0	5	-67330	446759	-21834	-198972	1320247	LU 18	2.955	Si
537	18.1	1.1	0	5	-40980	-392724	-20490	-143402	-1374259	LU 11	3.499	Si
683	18.1	1.1	0	5	-59226	322248	-22306	-246833	1343018	LU 17	4.168	Si
-22	0	0.9	0	1	-93665	93665	-41629	-428591	428591	LU 18	4.576	Si
-17	1.47	0.9	0	1	-93584	93584	-41593	-435192	435192	LU 18	4.65	Si
566	18.1	1.1	0	5	-41710	-259750	-20855	-213413	-1329026	LU 12	5.117	Si
14	17.38	1.8	0	1,2,3,4	93138	93138	-41395	506695	506695	LU 18	5.44	Si
44	18.1	1.8	0	1,2,3,4	92685	-92685	-41193	509890	-509890	LU 18	5.501	Si
75	18.1	0.9	0	2,3,4	92227	-92227	-40990	509890	-509890	LU 18	5.529	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	4566	-19796	LU 12	7739	3562	27990	2.5	1.69	-233	-21854	LU 17	8007	3562	28267	2.5	34.41	Si
741	2X/2Y ø6/24.8	4566	-19945	LU 12	7759	3562	28010	2.5	1.7	-233	-22003	LU 17	8026	3562	28287	2.5	34.49	Si
712	2X/2Y ø6/24.8	4566	-20097	LU 12	7778	3562	28030	2.5	1.7	-233	-22154	LU 17	8046	3562	28307	2.5	34.58	Si
683	2X/2Y ø6/24.8	4566	-20248	LU 12	7798	3562	28051	2.5	1.71	-233	-22306	LU 17	8066	3562	28328	2.5	34.66	Si
653	2X/2Y ø6/24.8	4566	-20400	LU 12	7818	3562	28071	2.5	1.71	-233	-22458	LU 17	8086	3562	28348	2.5	34.74	Si
624	2X/2Y ø6/24.8	4566	-20552	LU 12	7838	3562	28092	2.5	1.72	-233	-22609	LU 17	8105	3562	28369	2.5	34.83	Si
595	2X/2Y ø6/24.8	4566	-20703	LU 12	7857	3562	28112	2.5	1.72	-233	-22761	LU 17	8125	3562	28389	2.5	34.91	Si
566	2X/2Y ø6/24.8	4566	-20855	LU 12	7877	3562	28132	2.5	1.73	-233	-22913	LU 17	8145	3562	28409	2.5	35	Si
537	2X/2Y ø6/24.8	4566	-21007	LU 12	7897	3562	28153	2.5	1.73	-233	-23064	LU 17	8165	3562	28430	2.5	35.08	Si
508	2X/2Y ø6/24.8	4566	-21158	LU 12	7917	3562	28173	2.5	1.73	-233	-23216	LU 17	8184	3562	28450	2.5	35.17	Si
478	2X/2Y ø6/24.8	4566	-21310	LU 12	7936	3562	28194	2.5	1.74	-233	-23368	LU 17	8204	3562	28471	2.5	35.25	Si
449	2X/2Y ø6/24.8	4566	-21462	LU 12	7956	3562	28214	2.5	1.74	-233	-23519	LU 17	8224	3562	28491	2.5	35.34	Si
420	2X/2Y ø6/24.8	4566	-21611	LU 12	7976	3562	28234	2.5	1.75	-233	-23668	LU 17	8243	3562	28511	2.5	35.42	Si
350	2X/2Y ø6/23.9	-275	-37273	LU 17	11300	4223	37698	2.5	41.15	149	-37273	LU 17	11300	4223	37698	2.5	75.7	Si
319	2X/2Y ø6/23.9	-275	-37471	LU 17	11326	4223	37726	2.5	41.25	149	-37471	LU 17	11326	4223	37726	2.5	75.88	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	-599	-692908	-16618	RA 3	-81.8	-599	-692908	-16618	RA 3	1654.8	Si
449	-5216	-594069	-16503	RA 3	-71.6	-5216	-594069	-16503	RA 3	1319.5	Si
770	-60955	540265	-16380	RA 9	-73	-60955	540265	-16380	RA 9	1226.4	Si
478	-9913	-493505	-16386	RA 3	-60.5	-9535	-490362	-16042	RA 2	986.2	Si
741	-55974	440036	-16494	RA 9	-60.3	-55974	440036	-16494	RA 9	865.5	Si
508	-14611	-392942	-16270	RA 3	-49.3	-14142	-391300	-15925	RA 2	661	Si
712	-50905	338059	-16611	RA 9	-47	-50905	338059	-16611	RA 9	-519.4	Si
537	-19308	-292378	-16153	RA 3	-37.7	-19308	-292378	-16153	RA 3	-426.4	Si
683	-44871	243278	-16941	RA 8	-34.5	-44871	243278	-16941	RA 8	-405.2	Si
566	-24005	-191815	-16036	RA 3	-24.4	-24005	-191815	-16036	RA 3	-303.5	Si
653	-39715	148832	-17058	RA 8	-23	-39715	148832	-17058	RA 8	-289.6	Si
350	40306	-71277	-28502	RA 8	-18.4	40306	-71277	-28502	RA 8	-254.4	Si
319	36884	-65017	-28655	RA 8	-17.9	36884	-65017	-28655	RA 8	-249.5	Si
289	33405	-58653	-28809	RA 8	-17.5	33405	-58653	-28809	RA 8	-244.5	Si
595	-28702	-91251	-15920	RA 3	-17.3	-28702	-91251	-15920	RA 3	-224.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	1354	-611940	-16487	QP 2	-73.1	Si
770	-54823	483288	-15091	QP 2	-65.4	Si
449	-3261	-521979	-16372	QP 2	-63	Si
741	-50209	393326	-15206	QP 2	-53.9	Si
478	-7955	-430448	-16256	QP 2	-52.9	Si
508	-12650	-338918	-16139	QP 2	-42.5	Si
712	-45514	301796	-15322	QP 2	-42	Si
537	-17345	-247387	-16022	QP 2	-32	Si
683	-40405	213349	-15531	QP 1	-27	Si
566	-22040	-155857	-15906	QP 2	-21.6	Si
653	-35673	125046	-15647	QP 1	-20.2	Si
350	37790	-62783	-27401	QP 1	-17.3	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
319	34578	-57138	-27554	QP 1	-16.9	Si
289	31312	-51399	-27708	QP 1	-16.5	Si
258	28047	-45660	-27863	QP 1	-16.1	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	853	-633325	-16426	FR 2	510	-378991	-378991	1454.1	331.2	0.0273	43.83	0.0186	Si	Si
770	-55024	487650	-15030	FR 2	-39108	346590	346590	1095.5	350.8	0.0258	47.37	0.0151	Si	Si
449	-3737	-541249	-16311	FR 2	-2700	-390999	-390999	1141.5	322.2	0.0281	44.23	0.0147	Si	Si
478	-8407	-447566	-16195	FR 2	-7656	-407587	-407587	830.9	309.4	0.0292	45.3	0.011	Si	Si
741	-50435	395574	-15145	FR 2	-46249	362742	362742	764.3	334.3	0.0271	46.15	0.0103	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	1354	-611940	-16487	QP 2	845	-382020	-382020	1376.8	329	0.0275	43.64	0.0175	Si	Si
770	-54823	483288	-15091	QP 2	-39420	347504	347504	1077	349.9	0.0259	47.3	0.0148	Si	Si
449	-3261	-521979	-16372	QP 2	-2472	-395818	-395818	1071.1	318.7	0.0284	43.91	0.0137	Si	Si
741	-50209	393326	-15206	QP 2	-46445	363840	363840	753.6	333.3	0.0271	46.06	0.0101	Si	Si
478	-7955	-430448	-16256	QP 2	-7652	-414045	-414045	769.5	304.8	0.0297	44.88	0.0101	Si	Si

Pilastrata 70

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-542	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.6	-17.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	-12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	12.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	-17.2	17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4
Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -80, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -80 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	3,4,5,6	-123685	717760	-21239	-173744	1008254	LU 11	1.405	Si
-10	18.1	1.8	0	2,3,4,5	-207416	957396	-46796	-371475	1714668	LU 11	1.791	Si
449	18.1	2.3	0	3,4,5,6	-106099	610023	-21090	-190801	1097020	LU 11	1.798	Si
770	18.1	1.1	0	6	88877	-597602	-19725	160424	-1078681	LU 12	1.805	Si
20	18.1	1.8	0	2,3,4,5	-176214	820802	-46605	-378773	1764316	LU 11	2.15	Si
-80	18.1	0.9	0	2	159111	-686617	-70716	360041	-1553701	LU 12	2.263	Si
-110	18.1	0.9	0	2	159548	-610378	-70910	380643	-1456219	LU 12	2.386	Si
350	18.1	0.9	0	3,4,5	177338	-726987	-44433	424949	-1742055	LU 11	2.396	Si
478	18.1	2.3	0	3,4,5,6	-88206	500408	-20938	-213893	1213445	LU 11	1.825	Si
741	18.1	1.1	0	6	71478	-489383	-19874	177373	-1214405	LU 12	1.882	Si
-140	18.1	0.9	0	2	159992	-532847	-71107	402725	-1341264	LU 12	2.517	Si
50	18.1	1.8	0	2,3,4,5	-143647	678230	-46405	-374336	1767425	LU 11	2.606	Si
-170	18.1	0.9	0	2	160436	-455316	-71305	426520	-1210461	LU 12	2.659	Si
-500	18.1	1.8	0	1,2	165315	396233	-73473	448910	1075964	LU 12	2.715	Si
-200	18.1	0.9	0	2	160887	-376535	-71506	451920	-1057656	LU 12	2.809	Si

Verifica a taglio in famiglia SLU

	Direzione X	Direzione Y	Verifica

Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-3758	-19424	LU 11	7691	3526	27940	2.5	2.05	613	-19424	LU 11	7691	3526	27940	2.5	12.54	Si
741	2X/2Y ø6/25	-3758	-19573	LU 11	7710	3526	27960	2.5	2.05	613	-19573	LU 11	7710	3526	27960	2.5	12.57	Si
712	2X/2Y ø6/25	-3758	-19725	LU 11	7730	3526	27980	2.5	2.06	613	-19725	LU 11	7730	3526	27980	2.5	12.6	Si
683	2X/2Y ø6/25	-3758	-19876	LU 11	7750	3526	28001	2.5	2.06	613	-19876	LU 11	7750	3526	28001	2.5	12.63	Si
653	2X/2Y ø6/25	-3758	-20028	LU 11	7770	3526	28021	2.5	2.07	613	-20028	LU 11	7770	3526	28021	2.5	12.66	Si
624	2X/2Y ø6/25	-3758	-20180	LU 11	7789	3526	28041	2.5	2.07	613	-20180	LU 11	7789	3526	28041	2.5	12.7	Si
595	2X/2Y ø6/25	-3758	-20331	LU 11	7809	3526	28062	2.5	2.08	613	-20331	LU 11	7809	3526	28062	2.5	12.73	Si
566	2X/2Y ø6/25	-3758	-20483	LU 11	7829	3526	28082	2.5	2.08	613	-20483	LU 11	7829	3526	28082	2.5	12.76	Si
537	2X/2Y ø6/25	-3758	-20635	LU 11	7849	3526	28103	2.5	2.09	613	-20635	LU 11	7849	3526	28103	2.5	12.79	Si
508	2X/2Y ø6/25	-3758	-20786	LU 11	7868	3526	28123	2.5	2.09	613	-20786	LU 11	7868	3526	28123	2.5	12.83	Si
478	2X/2Y ø6/25	-3758	-20938	LU 11	7888	3526	28144	2.5	2.1	613	-20938	LU 11	7888	3526	28144	2.5	12.86	Si
449	2X/2Y ø6/25	-3758	-21090	LU 11	7908	3526	28164	2.5	2.1	613	-21090	LU 11	7908	3526	28164	2.5	12.89	Si
420	2X/2Y ø6/25	-3758	-21239	LU 11	7927	3526	28184	2.5	2.11	613	-21239	LU 11	7927	3526	28184	2.5	12.92	Si
350	2X/2Y ø6/24	-4692	-44433	LU 11	12248	4203	38679	2.5	2.61	1052	-40459	LU 10	11722	4203	38135	2.5	11.14	Si
320	2X/2Y ø6/24	-4692	-44628	LU 11	12274	4203	38705	2.5	2.62	1052	-40653	LU 10	11748	4203	38161	2.5	11.17	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	-93856	544860	-16440	RA 3	-78.1	-94351	543431	-16240	RA 2	1300.8	Si
-10	-159178	723954	-35589	RA 2	-78.7	-159178	723954	-35589	RA 2	-912.1	Si
449	-80565	462908	-16326	RA 3	-66.3	-80935	461801	-16125	RA 2	998.1	Si
770	67951	-452863	-15044	RA 3	-63.5	68977	-450375	-14844	RA 2	997.3	Si
20	-135237	620648	-35442	RA 2	-66.5	-135237	620648	-35442	RA 2	-791	Si
350	136051	-549946	-33772	RA 2	-60	136051	-549946	-33772	RA 2	-720.7	Si
50	-110247	512821	-35288	RA 2	-54.4	-110247	512821	-35288	RA 2	-666.2	Si
478	-67043	379526	-16209	RA 3	-54.3	-67285	378746	-16008	RA 2	697.3	Si
-80	43080	-520679	-53596	RA 3	-53.4	43080	-520679	-53596	RA 3	-694.7	Si
741	54660	-370911	-15159	RA 3	-51.7	55561	-368745	-14958	RA 2	689.7	Si
-110	40073	-462791	-53746	RA 3	-50.2	40073	-462791	-53746	RA 3	-658.5	Si
320	111791	-445266	-33921	RA 2	-48.5	111791	-445266	-33921	RA 2	-601.3	Si
-140	37016	-403923	-53898	RA 3	-47	37016	-403923	-53898	RA 3	-621.6	Si
-170	33959	-345054	-54049	RA 3	-43.7	33959	-345054	-54049	RA 3	-584.8	Si
80	-85576	406367	-35136	RA 2	-43.6	-85128	405925	-35360	RA 3	-550.9	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	-157483	667060	-33735	QP 2	-73.3	Si
420	-90747	503884	-15794	QP 2	-72.7	Si
20	-133813	571790	-33587	QP 2	-61.9	Si
449	-77841	427912	-15679	QP 2	-61.7	Si
770	66367	-421037	-14398	QP 2	-59.4	Si
350	134401	-507744	-31917	QP 2	-56	Si
50	-109107	472350	-33434	QP 2	-50.7	Si
478	-64711	350614	-15563	QP 2	-50.4	Si
-80	43785	-486542	-49885	QP 2	-50	Si
741	53462	-345064	-14513	QP 2	-48.4	Si
-110	40407	-432084	-50035	QP 2	-47	Si
320	110416	-411207	-32067	QP 2	-45.4	Si
-140	36973	-376703	-50187	QP 2	-43.9	Si
-170	33539	-321322	-50339	QP 2	-40.8	Si
508	-51581	273316	-15446	QP 2	-39.1	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	-91776	515183	-15921	FR 2	-57553	323073	323073	1212.3	367.2	0.0246	49.76	0.0176	Si	Si
449	-78725	437594	-15807	FR 2	-60413	335804	335804	925.3	353.6	0.0256	49.88	0.0134	Si	Si
770	67113	-429419	-14525	FR 2	52882	-338360	-338360	935.9	361.5	0.025	48.98	0.0134	Si	Si
-10	-157967	683315	-34265	FR 2	-119553	517150	517150	768.3	331	0.0273	47.44	0.0106	Si	Si
478	-65447	358652	-15690	FR 2	-65022	356326	356326	640.8	332.2	0.0272	46.9	0.0088	Si	Si
20	-134220	585749	-34117	FR 2	-129227	563963	563963	510.2	261.5	0.0346	41.87	0.0063	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	-90747	503884	-15794	QP 2	-58260	323496	323496	1176.9	366.5	0.0247	49.73	0.017	Si	Si
449	-77841	427912	-15679	QP 2	-61204	336454	336454	896.2	352.6	0.0257	49.83	0.013	Si	Si
770	66367	-421037	-14398	QP 2	53415	-338865	-338865	911.4	361	0.0251	48.95	0.013	Si	Si
-10	-157483	667060	-33735	QP 2	-121881	516260	516260	744.5	323.3	0.028	46.81	0.0102	Si	Si
20	-133813	571790	-33587	QP 2	-131835	563337	563337	493.3	254.9	0.0355	41.94	0.006	Si	Si

Pilastrata 71

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -45 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	224280	83834	-29527	1337040	499772	LU 12	5.961	Si
20	18.1	1.8	0	1,2,3,4	208275	66634	-29615	1289249	412472	LU 18	6.19	Si
420	18.1	2.3	0	2,3,4,5	-118108	150524	-14626	-744065	948281	LU 11	6.3	Si
50	18.1	1.8	0	1,2,3,4	193122	66184	-29415	1233392	422690	LU 18	6.387	Si
80	18.1	0.9	0	2,3,4	178161	65740	-29218	1172968	432813	LU 18	6.584	Si
110	18.1	0.9	0	2,3,4	163201	65295	-29020	1108536	443517	LU 18	6.792	Si
140	18.1	0.9	0	2,3,4	148240	64851	-28823	1039724	454852	LU 18	7.014	Si
170	18.1	0.9	0	2,3,4	133280	-64407	-28625	965734	-466688	LU 18	7.246	Si
449	18.1	2.3	0	2,3,4,5	-101185	129936	-14477	-742138	953016	LU 11	7.334	Si
200	18.1	0.9	0	2,3,4	118351	-63964	-28428	885746	-478707	LU 18	7.484	Si
230	18.1	0.9	0	2,3,4	103359	-63519	-28230	799452	-491299	LU 18	7.735	Si
260	18.1	0.9	0	2,3,4	88398	-63074	-28033	706042	-503780	LU 18	7.987	Si
350	18.1	0.9	0	2,3,4	61120	-94523	-27164	495793	-766757	LU 12	8.112	Si
290	18.1	0.9	0	2,3,4	73437	-62630	-27836	597876	-509890	LU 18	8.141	Si
320	18.1	0.9	0	2,3,4	62186	-74259	-27638	509890	-608881	LU 18	8.199	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-718	-12811	LU 11	6830	3526	27050	2.5	9.51	621	-13305	LU 10	6895	3526	27116	2.5	11.1	Si
741	2X/2Y ø6/25	-718	-12960	LU 11	6850	3526	27070	2.5	9.54	621	-13454	LU 10	6914	3526	27136	2.5	11.14	Si
712	2X/2Y ø6/25	-718	-13112	LU 11	6870	3526	27090	2.5	9.57	621	-13606	LU 10	6934	3526	27157	2.5	11.17	Si
683	2X/2Y ø6/25	-718	-13264	LU 11	6889	3526	27110	2.5	9.59	621	-13758	LU 10	6954	3526	27177	2.5	11.2	Si
653	2X/2Y ø6/25	-718	-13415	LU 11	6909	3526	27131	2.5	9.62	621	-13909	LU 10	6973	3526	27197	2.5	11.23	Si
624	2X/2Y ø6/25	-718	-13567	LU 11	6929	3526	27151	2.5	9.65	621	-14061	LU 10	6993	3526	27218	2.5	11.26	Si
595	2X/2Y ø6/25	-718	-13719	LU 11	6949	3526	27172	2.5	9.68	621	-14213	LU 10	7013	3526	27238	2.5	11.3	Si
566	2X/2Y ø6/25	-718	-13870	LU 11	6968	3526	27192	2.5	9.7	621	-14364	LU 10	7033	3526	27259	2.5	11.33	Si
537	2X/2Y ø6/25	-718	-14022	LU 11	6988	3526	27213	2.5	9.73	621	-14516	LU 10	7052	3526	27279	2.5	11.36	Si
508	2X/2Y ø6/25	-718	-14174	LU 11	7008	3526	27233	2.5	9.76	621	-14668	LU 10	7072	3526	27299	2.5	11.39	Si
478	2X/2Y ø6/25	-718	-14325	LU 11	7027	3526	27253	2.5	9.79	621	-14819	LU 10	7092	3526	27320	2.5	11.42	Si
449	2X/2Y ø6/25	-718	-14477	LU 11	7047	3526	27274	2.5	9.81	621	-14971	LU 10	7112	3526	27340	2.5	11.45	Si
420	2X/2Y ø6/25	-718	-14626	LU 11	7067	3526	27294	2.5	9.84	621	-15120	LU 10	7131	3526	27360	2.5	11.49	Si
350	2X/2Y ø6/24	-505	-24014	LU 10	9546	4203	35883	2.5	18.9	-499	-27164	LU 12	9963	4203	36315	2.5	19.98	Si
320	2X/2Y ø6/24	-505	-24208	LU 10	9571	4203	35910	2.5	18.95	-499	-27359	LU 12	9988	4203	36341	2.5	20.03	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	167897	68050	-22207	RA 2	-22.2	169188	65156	-22390	RA 3	-289.5	Si
420	-91442	112938	-11301	RA 2	-21.1	-90832	104950	-12207	RA 7	-256.6	Si
20	158452	54005	-22243	RA 3	-21	158452	54005	-22243	RA 3	-275.2	Si
50	147246	42367	-22089	RA 3	-19.7	147246	42367	-22089	RA 3	-260.2	Si
449	-78335	97522	-11187	RA 2	-18.9	-77793	90817	-12093	RA 7	-233.6	Si
80	136183	30876	-21937	RA 3	-18.5	136183	30876	-21937	RA 3	-245.4	Si
110	125120	19386	-21785	RA 3	-17.2	125120	19386	-21785	RA 3	-230.6	Si
478	-64527	76437	-11976	RA 7	-16.8	-64129	74899	-12173	RA 9	-210.3	Si
140	114057	7896	-21633	RA 3	-15.9	114057	7896	-21633	RA 3	-215.9	Si
770	68137	-74736	-9905	RA 2	-15.8	67906	-67112	-10811	RA 7	-196.1	Si
170	101994	-3927	-21668	RA 9	-15.1	101994	-3927	-21668	RA 9	-206.3	Si
200	90953	-14580	-21516	RA 9	-15	90953	-14580	-21516	RA 9	-205.1	Si
230	80867	-26575	-21178	RA 3	-15	80867	-26575	-21178	RA 3	-204	Si
260	70579	-39015	-20843	RA 2	-14.9	69804	-38065	-21026	RA 3	-203.3	Si
290	59745	-50933	-20691	RA 2	-14.9	59745	-50933	-20691	RA 2	-202.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	153627	69065	-20865	QP 2	-21	Si
420	-94126	99969	-11532	QP 2	-20.4	Si
20	144915	57678	-20718	QP 2	-19.8	Si
50	135822	45793	-20564	QP 2	-18.6	Si
449	-80610	86471	-11417	QP 2	-18.4	Si
80	126845	34060	-20412	QP 2	-17.5	Si
478	-66858	72737	-11301	QP 2	-16.3	Si
110	117867	22326	-20260	QP 2	-16.3	Si
770	70424	-64361	-10136	QP 2	-15.3	Si
140	108890	10593	-20108	QP 2	-15.1	Si
350	46199	-71346	-19048	QP 2	-14.6	Si
320	55026	-59808	-19197	QP 2	-14.5	Si
290	64004	-48075	-19349	QP 2	-14.4	Si
260	72981	-36341	-19501	QP 2	-14.3	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
230	81958	-24608	-19652	QP 2	-14.2	Si

Pilastrata 71A

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	420	770	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	420	770	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	420	770	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	420	770	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -52 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 420 a 481.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 481.6 a 770, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 770 a 831.6, 34.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2	84548	-622058	-37577	251151	-1847839	LU 12	2.971	Si
20	18.1	1.8	0	1,2	84117	-537626	-37385	282704	-1806886	LU 12	3.361	Si
50	18.1	1.8	0	1,2	83667	-449499	-37185	319425	-1716106	LU 12	3.818	Si
350	18.1	0.9	0	2	126177	419100	-35214	496524	1649216	LU 12	3.935	Si
420	18.1	1.8	0	2,3	-173535	-293682	-11861	-731511	-1237974	LU 12	4.215	Si
80	18.1	0.9	0	2	83222	-362494	-36988	358426	-1561203	LU 12	4.307	Si
320	18.1	0.9	0	2	121036	333545	-35408	542311	1494483	LU 12	4.481	Si
110	18.1	0.9	0	2	84434	-275489	-36790	410565	-1339585	LU 12	4.863	Si
449	18.1	1.8	0	2,3	-162856	-250334	-11672	-801036	-1231315	LU 12	4.919	Si
290	18.1	0.9	0	2	115807	246541	-35606	586717	1249060	LU 12	5.066	Si
140	18.1	0.9	0	2	89662	-188484	-36593	493163	-1036702	LU 12	5.5	Si
260	18.1	0.9	0	2	110578	159536	-35803	634474	915384	LU 12	5.738	Si
478	18.1	1.8	0	2,3	-151990	-206230	-11480	-894095	-1213165	LU 12	5.883	Si
170	18.1	0.9	0	2	94891	-101479	-36395	586651	-627379	LU 12	6.182	Si
200	18.1	0.9	0	2	100109	-81446	-36198	626725	-509890	LU 12	6.26	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	2900	-35214	LU 12	11028	4203	37417	2.5	3.8	178	-31411	LU 10	10524	4203	36896	2.5	59.1	Si
320	2X/2Y ø6/24	2900	-35408	LU 12	11053	4203	37443	2.5	3.81	178	-31605	LU 10	10550	4203	36922	2.5	59.24	Si
290	2X/2Y ø6/24	2900	-35606	LU 12	11080	4203	37470	2.5	3.82	178	-31802	LU 10	10576	4203	36950	2.5	59.39	Si
260	2X/2Y ø6/24	2900	-35803	LU 12	11106	4203	37497	2.5	3.83	178	-32000	LU 10	10602	4203	36977	2.5	59.53	Si
230	2X/2Y ø6/24	2900	-36001	LU 12	11132	4203	37524	2.5	3.84	178	-32197	LU 10	10629	4203	37004	2.5	59.68	Si
200	2X/2Y ø6/24	2900	-36198	LU 12	11158	4203	37551	2.5	3.85	178	-32395	LU 10	10655	4203	37031	2.5	59.83	Si
170	2X/2Y ø6/24	2900	-36395	LU 12	11184	4203	37578	2.5	3.86	178	-32592	LU 10	10681	4203	37058	2.5	59.97	Si
140	2X/2Y ø6/24	2900	-36593	LU 12	11210	4203	37605	2.5	3.87	178	-32789	LU 10	10707	4203	37085	2.5	60.12	Si
110	2X/2Y ø6/24	2900	-36790	LU 12	11236	4203	37632	2.5	3.87	178	-32987	LU 10	10733	4203	37112	2.5	60.27	Si
80	2X/2Y ø6/24	2900	-36988	LU 12	11262	4203	37659	2.5	3.88	178	-33184	LU 10	10759	4203	37139	2.5	60.41	Si
50	2X/2Y ø6/24	2900	-37185	LU 12	11289	4203	37686	2.5	3.89	178	-33382	LU 10	10785	4203	37166	2.5	60.56	Si
20	2X/2Y ø6/24	2900	-37385	LU 12	11315	4203	37714	2.5	3.9	178	-33582	LU 10	10812	4203	37193	2.5	60.71	Si
-10	2X/2Y ø6/24	2900	-37577	LU 12	11340	4203	37740	2.5	3.91	178	-33773	LU 10	10837	4203	37219	2.5	60.85	Si
770	2X/2Y ø6/25	1526	-10080	LU 18	7702	4034	33976	2.5	5.05	372	-9501	LU 11	7625	4034	33897	2.5	20.48	Si
741	2X/2Y ø6/25	1526	-10268	LU 18	7727	4034	34002	2.5	5.06	372	-9690	LU 11	7650	4034	33922	2.5	20.55	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	48215	-472359	-28515	RA 3	-46.1	48215	-472359	-28515	RA 3	-556	Si
20	52129	-408264	-28368	RA 3	-40.6	52129	-408264	-28368	RA 3	-501.1	Si
350	96487	318006	-26698	RA 3	-33.7	96487	318006	-26698	RA 3	-427.8	Si
50	56215	-341365	-28214	RA 3	-33.5	56215	-341365	-28214	RA 3	-427.3	Si
420	-131698	-223226	-9086	RA 3	-32.7	-131698	-223226	-9086	RA 3	454.3	Si
320	92520	253059	-26847	RA 3	-30.1	92520	253059	-26847	RA 3	-386.6	Si
80	60249	-275318	-28062	RA 3	-30.1	60249	-275318	-28062	RA 3	-388.4	Si
449	-123603	-190266	-8941	RA 3	-28.5	-123603	-190266	-8941	RA 3	357.5	Si
110	64283	-209271	-27910	RA 3	-26.7	64283	-209271	-27910	RA 3	-349.5	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
290	88486	187012	-26999	RA 3	-26.4	88486	187012	-26999	RA 3	-344.8	Si
478	-115367	-156730	-8794	RA 3	-24.2	-115367	-156730	-8794	RA 3	-279.3	Si
140	68317	-143224	-27758	RA 3	-23.4	68317	-143224	-27758	RA 3	-310.6	Si
260	84452	120965	-27151	RA 3	-22.8	84452	120965	-27151	RA 3	-302.9	Si
170	72351	-77176	-27606	RA 3	-20	72351	-77176	-27606	RA 3	-271.7	Si
230	80418	54918	-27303	RA 3	-19.1	80418	54918	-27303	RA 3	-261.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	44903	-443691	-26700	QP 2	-43.2	Si
20	48887	-383591	-26552	QP 2	-38.2	Si
350	94030	297420	-24882	QP 2	-31.7	Si
50	53045	-320860	-26399	QP 2	-31.4	Si
420	-123502	-210164	-8903	QP 2	-30.6	Si
320	89993	236521	-25032	QP 2	-28.3	Si
80	57151	-258929	-26247	QP 2	-28.3	Si
449	-115954	-179076	-8758	QP 2	-26.6	Si
110	61256	-196998	-26095	QP 2	-25.1	Si
290	85888	174590	-25184	QP 2	-24.9	Si
140	65361	-135066	-25943	QP 2	-22	Si
260	81783	112659	-25335	QP 2	-21.4	Si
170	69467	-73135	-25791	QP 2	-18.8	Si
230	77677	50727	-25487	QP 2	-17.9	Si
478	-108275	-147445	-8611	QP 2	-17.4	Si

Pilastrata 71B

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-52	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	420	770	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	420	770	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	420	770	R 45x45	FeB 32k liscio LC1
p.3	-17.2	17.2	1.8	2.540	420	770	R 45x45	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -52 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 420 a 481.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 481.6 a 770, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 770 a 831.6, 34.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2	129926	-375108	-57745	424155	-1224570	LU 12	3.265	Si
20	18.1	1.8	0	1,2	129495	-326562	-57553	442357	-1115540	LU 12	3.416	Si
50	18.1	1.8	0	1,2	129045	-275891	-57353	462958	-989779	LU 12	3.588	Si
80	18.1	0.9	0	2	128601	-225866	-57156	483969	-850013	LU 12	3.763	Si
350	18.1	0.9	0	2	153780	223525	-55382	587574	854060	LU 12	3.821	Si
110	18.1	0.9	0	2	128157	-175841	-56958	505302	-693316	LU 12	3.943	Si
140	18.1	0.9	0	2	127712	-127712	-56761	509890	-509890	LU 12	3.992	Si
320	18.1	0.9	0	2	141172	174334	-55576	564359	696931	LU 12	3.998	Si
170	18.1	0.9	0	2	127268	-127268	-56564	509890	-509890	LU 12	4.006	Si
200	18.1	0.9	0	2	126825	-126825	-56367	509890	-509890	LU 12	4.02	Si
230	18.1	0.9	0	2	126380	126380	-56169	509890	509890	LU 12	4.035	Si
260	18.1	0.9	0	2	125935	125935	-55971	509890	509890	LU 12	4.049	Si
290	18.1	0.9	0	2	128350	125491	-55774	521505	509890	LU 12	4.063	Si
420	18.1	1.8	0	2,3	-176890	-42383	-18837	-1526811	-365823	LU 18	8.631	Si
449	18.1	1.8	0	2,3	-167233	-41958	-18648	-1489751	-373773	LU 18	8.908	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-10	2X/2Y ø6/24	1668	-57641	LU 11	12670	4203	40487	2.5	7.59	436	-52327	LU 10	12670	4203	39759	2.5	29.05	Si
320	2X/2Y ø6/24	1668	-55473	LU 11	12670	4203	40190	2.5	7.59	436	-50159	LU 10	12670	4203	39462	2.5	29.05	Si
290	2X/2Y ø6/24	1668	-55670	LU 11	12670	4203	40217	2.5	7.59	436	-50356	LU 10	12670	4203	39490	2.5	29.05	Si
260	2X/2Y ø6/24	1668	-55867	LU 11	12670	4203	40244	2.5	7.59	436	-50554	LU 10	12670	4203	39517	2.5	29.05	Si
230	2X/2Y ø6/24	1668	-56065	LU 11	12670	4203	40271	2.5	7.59	436	-50751	LU 10	12670	4203	39544	2.5	29.05	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
200	2X/2Y ø6/24	1668	-56263	LU 11	12670	4203	40298	2.5	7.59	436	-50949	LU 10	12670	4203	39571	2.5	29.05	Si
350	2X/2Y ø6/24	1668	-55278	LU 11	12670	4203	40163	2.5	7.59	436	-49965	LU 10	12670	4203	39436	2.5	29.05	Si
140	2X/2Y ø6/24	1668	-56657	LU 11	12670	4203	40352	2.5	7.59	436	-51343	LU 10	12670	4203	39625	2.5	29.05	Si
110	2X/2Y ø6/24	1668	-56855	LU 11	12670	4203	40379	2.5	7.59	436	-51541	LU 10	12670	4203	39652	2.5	29.05	Si
80	2X/2Y ø6/24	1668	-57052	LU 11	12670	4203	40406	2.5	7.59	436	-51738	LU 10	12670	4203	39679	2.5	29.05	Si
50	2X/2Y ø6/24	1668	-57249	LU 11	12670	4203	40433	2.5	7.59	436	-51936	LU 10	12670	4203	39706	2.5	29.05	Si
20	2X/2Y ø6/24	1668	-57449	LU 11	12670	4203	40461	2.5	7.59	436	-52136	LU 10	12670	4203	39733	2.5	29.05	Si
170	2X/2Y ø6/24	1668	-56460	LU 11	12670	4203	40325	2.5	7.59	436	-51146	LU 10	12670	4203	39598	2.5	29.05	Si
770	2X/2Y ø6/25	121	-15472	LU 10	8415	4034	34714	2.5	69.33	350	-15935	LU 11	8476	4034	34777	2.5	24.19	Si
741	2X/2Y ø6/25	121	-15661	LU 10	8440	4034	34740	2.5	69.54	350	-16123	LU 11	8501	4034	34803	2.5	24.26	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	240	-285667	-43863	RA 3	-34.3	240	-285667	-43863	RA 3	-461.3	Si
350	119218	170699	-41977	RA 2	-33.7	119218	170699	-41977	RA 2	-451.4	Si
20	9837	-248673	-43716	RA 3	-32.8	9837	-248673	-43716	RA 3	-443.6	Si
320	109437	133199	-42126	RA 2	-31.3	108865	133040	-42195	RA 3	-423.5	Si
50	19855	-210059	-43562	RA 3	-31.2	19855	-210059	-43562	RA 3	-425.1	Si
80	29745	-171937	-43410	RA 3	-29.7	29745	-171937	-43410	RA 3	-406.8	Si
290	99491	95064	-42278	RA 2	-28.8	98975	94918	-42347	RA 3	-395.1	Si
110	39635	-133814	-43259	RA 3	-28.1	39635	-133814	-43259	RA 3	-388.6	Si
140	49525	-95692	-43107	RA 3	-26.5	49525	-95692	-43107	RA 3	-370.3	Si
260	89544	56928	-42430	RA 2	-26.3	89085	56796	-42499	RA 3	-366.8	Si
170	59415	-57570	-42955	RA 3	-24.9	59415	-57570	-42955	RA 3	-352.1	Si
230	79195	18674	-42651	RA 3	-23.8	79195	18674	-42651	RA 3	-338.4	Si
200	69284	-19530	-42803	RA 3	-23.4	69284	-19530	-42803	RA 3	-333.9	Si
420	-135922	-13652	-14355	RA 7	-14.2	-135922	-13652	-14355	RA 7	-185.2	Si
449	-128480	-11685	-14210	RA 7	-13.7	-128480	-11685	-14210	RA 7	-178.5	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	120	-272574	-41314	QP 2	-32.5	Si
350	120135	164136	-39497	QP 2	-31.8	Si
20	9853	-237160	-41167	QP 2	-31.1	Si
320	110273	128251	-39646	QP 2	-30	Si
50	20011	-200195	-41013	QP 2	-29.6	Si
80	30040	-163701	-40861	QP 2	-28.1	Si
290	100244	91757	-39798	QP 2	-27.6	Si
110	40069	-127207	-40709	QP 2	-26.6	Si
140	50098	-90713	-40558	QP 2	-25.2	Si
260	90215	55263	-39950	QP 2	-25.2	Si
170	60127	-54219	-40406	QP 2	-23.7	Si
230	80186	18769	-40102	QP 2	-22.7	Si
200	70135	-17803	-40254	QP 2	-22.2	Si
420	-135668	-17567	-13761	QP 2	-14.2	Si
449	-128137	-15085	-13616	QP 2	-13.6	Si

Pilastrata 72

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -57.2 a -34, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -22, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-95683	248612	-42526	-438434	1139178	LU 18	4.582	Si
20	18.1	1.8	0	1,2,3,4	-95252	224838	-42334	-450850	1064213	LU 18	4.733	Si
50	18.1	1.8	0	1,2,3,4	94802	200023	-42134	464474	979997	LU 18	4.899	Si
80	18.1	0.9	0	2,3,4	94277	176393	-41901	477558	893513	LU 12	5.065	Si
110	18.1	0.9	0	2,3,4	93833	152390	-41704	491480	798189	LU 12	5.238	Si
140	18.1	0.9	0	2,3,4	93389	128386	-41506	505165	694475	LU 12	5.409	Si
170	18.1	0.9	0	2,3,4	93025	102029	-41344	509890	559246	LU 18	5.481	Si
200	18.1	0.9	0	2,3,4	92582	92582	-41147	509890	509890	LU 18	5.507	Si
230	18.1	0.9	0	2,3,4	92136	92136	-40950	509890	509890	LU 18	5.534	Si
260	18.1	0.9	0	2,3,4	91692	91692	-40752	509890	509890	LU 18	5.561	Si
290	18.1	0.9	0	2,3,4	91248	91248	-40555	509890	509890	LU 18	5.588	Si
320	18.1	0.9	0	2,3,4	90804	-90804	-40357	509890	-509890	LU 18	5.615	Si
350	18.1	0.9	0	2,3,4	90367	-90367	-40163	509890	-509890	LU 18	5.642	Si
420	18.1	2.3	0	2,3,4,5	-34942	70504	-17471	-341227	688509	LU 18	9.766	Si
449	18.1	2.3	0	2,3,4,5	-34644	60048	-17322	-352758	611434	LU 18	10.182	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-817	-40163	LU 18	11683	4223	38094	2.5	14.31	94	-37263	LU 10	11299	4223	37697	2.5	119.58	Si
320	2X/2Y ø6/23.9	-817	-40357	LU 18	11708	4223	38121	2.5	14.34	95	-37458	LU 10	11325	4223	37724	2.5	119.79	Si
290	2X/2Y ø6/23.9	-817	-40555	LU 18	11735	4223	38148	2.5	14.37	95	-37655	LU 10	11351	4223	37751	2.5	120.01	Si
260	2X/2Y ø6/23.9	-817	-40752	LU 18	11761	4223	38175	2.5	14.4	95	-37852	LU 10	11377	4223	37778	2.5	120.22	Si
230	2X/2Y ø6/23.9	-817	-40950	LU 18	11787	4223	38202	2.5	14.43	95	-38050	LU 10	11403	4223	37805	2.5	120.43	Si
200	2X/2Y ø6/23.9	-817	-41147	LU 18	11813	4223	38229	2.5	14.47	95	-38248	LU 10	11429	4223	37832	2.5	120.65	Si
170	2X/2Y ø6/23.9	-817	-41344	LU 18	11839	4223	38256	2.5	14.5	95	-38445	LU 10	11455	4223	37859	2.5	120.86	Si
140	2X/2Y ø6/23.9	-817	-41542	LU 18	11865	4223	38283	2.5	14.53	95	-38642	LU 10	11481	4223	37886	2.5	121.07	Si
110	2X/2Y ø6/23.9	-817	-41739	LU 18	11891	4223	38310	2.5	14.56	95	-38840	LU 10	11508	4223	37913	2.5	121.28	Si
80	2X/2Y ø6/23.9	-817	-41937	LU 18	11917	4223	38337	2.5	14.59	95	-39037	LU 10	11534	4223	37940	2.5	121.5	Si
50	2X/2Y ø6/23.9	-817	-42134	LU 18	11944	4223	38364	2.5	14.63	95	-39234	LU 10	11560	4223	37967	2.5	121.71	Si
20	2X/2Y ø6/23.9	-817	-42334	LU 18	11970	4223	38391	2.5	14.66	95	-39434	LU 10	11586	4223	37994	2.5	121.92	Si
-10	2X/2Y ø6/23.9	-817	-42526	LU 18	11995	4223	38418	2.5	14.69	95	-39626	LU 10	11612	4223	38021	2.5	122.13	Si
770	2X/2Y ø6/24.8	-369	-15238	LU 14	7146	3562	27376	2.5	19.38	-18	-14781	LU 10	7087	3562	27315	2.5	398.61	Si
741	2X/2Y ø6/24.8	-369	-15387	LU 14	7166	3562	27396	2.5	19.43	-18	-14930	LU 10	7106	3562	27335	2.5	399.7	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	-2456	188636	-32415	RA 9	-24.3	-2456	188636	-32415	RA 9	-328.6	Si
20	-503	170576	-32267	RA 9	-23.2	-503	170576	-32267	RA 9	-315.4	Si
50	1535	151726	-32113	RA 9	-22.2	1535	151726	-32113	RA 9	-303.5	Si
80	3392	133695	-31938	RA 3	-21.2	3392	133695	-31938	RA 3	-291.8	Si
110	5353	115415	-31786	RA 3	-20.3	5353	115415	-31786	RA 3	-281.5	Si
140	7314	97135	-31634	RA 3	-19.3	7314	97135	-31634	RA 3	-270.5	Si
170	9273	78855	-31482	RA 3	-18.4	9273	78855	-31482	RA 3	-259.5	Si
200	11226	60615	-31331	RA 3	-17.5	11226	60615	-31331	RA 3	-248.6	Si
230	13187	42296	-31178	RA 3	-16.5	13187	42296	-31178	RA 3	-237.6	Si
350	21559	-34062	-30597	RA 9	-16.3	21559	-34062	-30597	RA 9	-233.9	Si
260	15143	24016	-31027	RA 3	-15.6	15143	24016	-31027	RA 3	-226.6	Si
320	19592	-15763	-30747	RA 9	-15.3	19592	-15763	-30747	RA 9	-221.8	Si
290	17097	5736	-30875	RA 3	-14.7	17097	5736	-30875	RA 3	-215.6	Si
420	-8889	53429	-13349	RA 9	-11.7	-8889	53429	-13349	RA 9	-157.5	Si
449	-9043	45531	-13235	RA 9	-11.1	-9043	45531	-13235	RA 9	-150.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	-2469	175788	-31008	QP 2	-23	Si
20	-403	158978	-30861	QP 2	-21.9	Si
50	1753	141432	-30707	QP 2	-21	Si
80	3880	124109	-30555	QP 2	-20.1	Si
110	6006	106787	-30403	QP 2	-19.3	Si
140	8131	89464	-30251	QP 2	-18.4	Si
170	10254	72142	-30099	QP 2	-17.5	Si
200	12372	54857	-29948	QP 2	-16.6	Si
230	14498	37497	-29796	QP 2	-15.7	Si
350	22937	-31504	-29191	QP 2	-15.6	Si
260	16619	20174	-29644	QP 2	-14.9	Si
320	20856	-14471	-29340	QP 2	-14.7	Si
290	18738	2852	-29492	QP 2	-14	Si
420	-6129	48849	-12817	QP 2	-10.9	Si
449	-6443	41704	-12703	QP 2	-10.3	Si

Pilastrata 73

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -43.2 a -34, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -22, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,3,4	-560054	414915	-17830	-1041072	771275	LU 11	1.859	Si
20	18.1	1.8	0	1,2,3,4	-476775	364958	-17639	-1073429	821681	LU 11	2.251	Si
350	18.1	0.9	0	2,3,4	466891	-201109	-15468	1249828	-538352	LU 11	2.677	Si
420	18.1	2.3	0	2,3,4,5	-328340	172302	-10286	-890948	467539	LU 11	2.713	Si
50	18.1	1.8	0	1,2,3,4	-389850	312816	-17439	-1103410	885376	LU 11	2.83	Si
449	18.1	2.3	0	2,3,4,5	-281621	146442	-10137	-936562	487010	LU 11	3.326	Si
80	18.1	0.9	0	2,3,4	-304033	261338	-17241	-1121402	963922	LU 11	3.688	Si
320	18.1	0.9	0	2,3,4	382504	-150489	-15662	1415443	-556878	LU 11	3.7	Si
770	18.1	1.1	0	5	240444	-142525	-8471	892981	-529319	LU 11	3.714	Si
478	18.1	2.3	0	2,3,4,5	-234086	120132	-9985	-990042	508084	LU 11	4.229	Si
741	18.1	1.1	0	5	193725	-116665	-8620	942061	-567329	LU 11	4.863	Si
110	18.1	0.9	0	2,3,4	-218216	209859	-17044	-1129048	1085810	LU 11	5.174	Si
290	18.1	0.9	0	2,3,4	296687	-99010	-15859	1605039	-535634	LU 11	5.41	Si
508	18.1	1.1	0	5	-186552	93821	-9833	-1048130	527127	LU 11	5.618	Si
712	18.1	1.1	0	5	146190	-90354	-8772	987448	-610302	LU 11	6.755	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	-1716	-15468	LU 11	8415	4223	34713	2.5	4.9	2861	-15468	LU 11	8415	4223	34713	2.5	2.94	Si
320	2X/2Y ø6/23.9	-1716	-15662	LU 11	8440	4223	34740	2.5	4.92	2861	-15662	LU 11	8440	4223	34740	2.5	2.95	Si
290	2X/2Y ø6/23.9	-1716	-15859	LU 11	8466	4223	34767	2.5	4.93	2861	-15859	LU 11	8466	4223	34767	2.5	2.96	Si
260	2X/2Y ø6/23.9	-1716	-16057	LU 11	8493	4223	34794	2.5	4.95	2861	-16057	LU 11	8493	4223	34794	2.5	2.97	Si
230	2X/2Y ø6/23.9	-1716	-16254	LU 11	8519	4223	34821	2.5	4.96	2861	-16254	LU 11	8519	4223	34821	2.5	2.98	Si
200	2X/2Y ø6/23.9	-1716	-16452	LU 11	8545	4223	34848	2.5	4.98	2861	-16452	LU 11	8545	4223	34848	2.5	2.99	Si
170	2X/2Y ø6/23.9	-1716	-16649	LU 11	8571	4223	34875	2.5	4.99	2861	-16649	LU 11	8571	4223	34875	2.5	3	Si
140	2X/2Y ø6/23.9	-1716	-16847	LU 11	8597	4223	34902	2.5	5.01	2861	-16847	LU 11	8597	4223	34902	2.5	3.01	Si
110	2X/2Y ø6/23.9	-1716	-17044	LU 11	8623	4223	34929	2.5	5.03	2861	-17044	LU 11	8623	4223	34929	2.5	3.01	Si
80	2X/2Y ø6/23.9	-1716	-17241	LU 11	8649	4223	34956	2.5	5.04	2861	-17241	LU 11	8649	4223	34956	2.5	3.02	Si
50	2X/2Y ø6/23.9	-1716	-17439	LU 11	8676	4223	34983	2.5	5.06	2861	-17439	LU 11	8676	4223	34983	2.5	3.03	Si
20	2X/2Y ø6/23.9	-1716	-17639	LU 11	8702	4223	35011	2.5	5.07	2861	-17639	LU 11	8702	4223	35011	2.5	3.04	Si
-10	2X/2Y ø6/23.9	-1716	-17830	LU 11	8727	4223	35037	2.5	5.09	2861	-17830	LU 11	8727	4223	35037	2.5	3.05	Si
770	2X/2Y ø6/24.8	-902	-8471	LU 11	6266	3562	26465	2.5	6.95	1630	-8471	LU 11	6266	3562	26465	2.5	3.84	Si
741	2X/2Y ø6/24.8	-902	-8620	LU 11	6285	3562	26485	2.5	6.97	1630	-8620	LU 11	6285	3562	26485	2.5	3.86	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	-427452	316933	-13543	RA 2	-70.9	-427452	316933	-13543	RA 2	1177.7	Si
20	-363761	278911	-13396	RA 2	-60.4	-363761	278911	-13396	RA 2	930.3	Si
350	357947	-151931	-11725	RA 2	-47.5	350145	-133936	-10602	RA 1	754.8	Si
420	-251795	128440	-7966	RA 2	-47.6	-251795	128440	-7966	RA 2	746.7	Si
50	-297281	239224	-13242	RA 2	-49.5	-297281	239224	-13242	RA 2	678.9	Si
449	-215984	109129	-7852	RA 2	-40.4	-215984	109129	-7852	RA 2	588.3	Si
80	-231649	200044	-13090	RA 2	-38.7	-231649	200044	-13090	RA 2	444.5	Si
320	293408	-113403	-11875	RA 2	-37.1	288042	-98079	-10752	RA 1	509.9	Si
770	184182	-106664	-6570	RA 2	-36.3	184182	-106664	-6570	RA 2	537.7	Si
478	-179548	89480	-7735	RA 2	-33.1	-179548	89480	-7735	RA 2	430.2	Si
741	148371	-87353	-6685	RA 2	-29	148371	-87353	-6685	RA 2	370.9	Si
110	-166017	160863	-12938	RA 2	-28.2	-166017	160863	-12938	RA 2	-334.6	Si
290	227776	-74222	-12027	RA 2	-26.7	227776	-74222	-12027	RA 2	-312.1	Si
508	-143113	69832	-7618	RA 2	-25.7	-143113	69832	-7618	RA 2	-284.4	Si
140	-100831	121171	-12905	RA 3	-17.5	-100831	121171	-12905	RA 3	-220	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	-412168	306777	-12757	QP 2	-68.6	Si
20	-350159	270600	-12609	QP 2	-58.5	Si
50	-285436	232840	-12455	QP 2	-48	Si
350	352486	-139335	-10939	QP 2	-45.9	Si
420	-248268	109785	-8214	QP 2	-44.5	Si
449	-213037	93116	-8099	QP 2	-37.8	Si
80	-221537	195560	-12304	QP 2	-37.5	Si
320	289652	-102676	-11089	QP 2	-35.9	Si
770	180654	-93150	-6818	QP 2	-34	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
478	-177191	76156	-7982	QP 2	-31	Si
110	-157638	158281	-12152	QP 2	-27.3	Si
741	145423	-76481	-6932	QP 2	-27.1	Si
290	225753	-65397	-11240	QP 2	-25.9	Si
508	-141345	59196	-7866	QP 2	-18.9	Si
140	-93740	121001	-12000	QP 2	-16.7	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-10	-416535	309679	-12981	FR 2	-285372	212164	212164	1160.3	764.7	0.0177	67.01	0.0226	Si	Si
20	-354045	272975	-12834	FR 2	-288076	222112	222112	918.4	748.8	0.0181	67.38	0.018	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-10	-412168	306777	-12757	QP 2	-284876	212034	212034	1153.3	765.8	0.0177	67.08	0.0225	Si	Si
20	-350159	270600	-12609	QP 2	-287350	222062	222062	913.6	750.2	0.0181	67.47	0.018	Si	Si

Pilastrata 73A

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2,3,4	402205	83043	-20711	1753143	361969	LU 12	4.359	Si
-10	18.1	1.8	0	1,2,3,4	-356649	-52003	-23112	-1831059	-266986	LU 18	5.134	Si
320	18.1	0.9	0	2,3,4	339906	72581	-20905	1774210	378851	LU 12	5.22	Si
20	18.1	1.8	0	1,2,3,4	-295480	-51572	-22921	-1757495	-306746	LU 18	5.948	Si
290	18.1	0.9	0	2,3,4	276551	61942	-21103	1731633	387851	LU 12	6.262	Si
50	18.1	1.8	0	1,2,3,4	-231633	-51122	-22721	-1592983	-351575	LU 18	6.877	Si
260	18.1	0.9	0	2,3,4	213196	51303	-21300	1573798	378712	LU 12	7.382	Si
420	18.1	2.3	0	2,3,4,5	-158715	-63421	-11788	-1184720	-473402	LU 12	7.464	Si
80	18.1	0.9	0	2,3,4	-168599	-50678	-22523	-1340379	-402892	LU 18	7.95	Si
449	18.1	2.3	0	2,3,4,5	-149361	-53939	-11638	-1213015	-438055	LU 12	8.121	Si
230	18.1	0.9	0	2,3,4	149840	48370	-21498	1281975	413834	LU 12	8.556	Si
478	18.1	2.3	0	2,3,4,5	-136869	-46884	-12454	-1207107	-413490	LU 18	8.819	Si
110	18.1	0.9	0	2,3,4	-105566	-50233	-22326	-977052	-464930	LU 18	9.255	Si
508	18.1	1.1	0	5	-127843	-36563	-12303	-1211331	-346439	LU 18	9.475	Si
200	18.1	0.9	0	2,3,4	86349	48815	-21696	854842	483262	LU 12	9.9	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/23.9	355	-20711	LU 12	9109	4223	35431	2.5	25.68	2112	-20711	LU 12	9109	4223	35431	2.5	4.31	Si
320	2X/2Y ø6/23.9	355	-20905	LU 12	9134	4223	35458	2.5	25.76	2112	-20905	LU 12	9134	4223	35458	2.5	4.33	Si
290	2X/2Y ø6/23.9	355	-21103	LU 12	9160	4223	35485	2.5	25.83	2112	-21103	LU 12	9160	4223	35485	2.5	4.34	Si
260	2X/2Y ø6/23.9	355	-21300	LU 12	9187	4223	35512	2.5	25.9	2112	-21300	LU 12	9187	4223	35512	2.5	4.35	Si
230	2X/2Y ø6/23.9	355	-21498	LU 12	9213	4223	35539	2.5	25.98	2112	-21498	LU 12	9213	4223	35539	2.5	4.36	Si
200	2X/2Y ø6/23.9	355	-21696	LU 12	9239	4223	35566	2.5	26.05	2112	-21696	LU 12	9239	4223	35566	2.5	4.37	Si
170	2X/2Y ø6/23.9	355	-21893	LU 12	9265	4223	35593	2.5	26.12	2112	-21893	LU 12	9265	4223	35593	2.5	4.39	Si
140	2X/2Y ø6/23.9	355	-22090	LU 12	9291	4223	35620	2.5	26.2	2112	-22090	LU 12	9291	4223	35620	2.5	4.4	Si
110	2X/2Y ø6/23.9	355	-22288	LU 12	9317	4223	35647	2.5	26.27	2112	-22288	LU 12	9317	4223	35647	2.5	4.41	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
80	2X/2Y ø6/23.9	355	-22485	LU 12	9343	4223	35674	2.5	26.35	2112	-22485	LU 12	9343	4223	35674	2.5	4.42	Si
50	2X/2Y ø6/23.9	355	-22682	LU 12	9369	4223	35701	2.5	26.42	2112	-22682	LU 12	9369	4223	35701	2.5	4.44	Si
20	2X/2Y ø6/23.9	355	-22882	LU 12	9396	4223	35728	2.5	26.49	2112	-22882	LU 12	9396	4223	35728	2.5	4.45	Si
-10	2X/2Y ø6/23.9	355	-23074	LU 12	9421	4223	35755	2.5	26.57	2112	-23074	LU 12	9421	4223	35755	2.5	4.46	Si
770	2X/2Y ø6/24.8	354	-10940	LU 18	6587	3562	26798	2.5	18.61	326	-9861	LU 11	6447	3562	26652	2.5	19.76	Si
741	2X/2Y ø6/24.8	354	-11089	LU 18	6606	3562	26818	2.5	18.67	326	-10010	LU 11	6466	3562	26672	2.5	19.82	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
350	307095	61892	-15718	RA 3	-32.8	307095	61892	-15718	RA 3	-382.7	Si
-10	-270974	-33224	-17561	RA 9	-23.9	-270974	-33224	-17561	RA 9	-300.7	Si
320	259632	54051	-15868	RA 3	-23.6	259632	54051	-15868	RA 3	-295.4	Si
20	-224342	-25526	-17414	RA 9	-20.9	-224342	-25526	-17414	RA 9	-266.5	Si
290	211364	46077	-16019	RA 3	-20.7	211364	46077	-16019	RA 3	-262	Si
50	-175669	-17491	-17260	RA 9	-17.8	-175669	-17491	-17260	RA 9	-230.8	Si
260	163097	38103	-16171	RA 3	-17.8	163097	38103	-16171	RA 3	-228.6	Si
420	-118149	-49794	-9792	RA 9	-17.6	-118149	-49794	-9792	RA 9	-214.6	Si
449	-111384	-42291	-9677	RA 9	-16.5	-111384	-42291	-9677	RA 9	-202.1	Si
478	-104501	-34657	-9560	RA 9	-15.3	-104501	-34657	-9560	RA 9	-189.4	Si
230	114830	30129	-16323	RA 3	-14.8	114830	30129	-16323	RA 3	-195.2	Si
80	-127616	-9558	-17108	RA 9	-14.8	-127616	-9558	-17108	RA 9	-195.6	Si
508	-97617	-27023	-9444	RA 9	-14.2	-97617	-27023	-9444	RA 9	-176.7	Si
537	-90734	-19389	-9327	RA 9	-13.1	-90734	-19389	-9327	RA 9	-164	Si
566	-83851	-11755	-9210	RA 9	-12	-83851	-11755	-9210	RA 9	-151.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
350	296550	52465	-14723	QP 2	-31.1	Si
-10	-255127	-31099	-16541	QP 2	-22.5	Si
320	251217	45599	-14873	QP 2	-22.3	Si
20	-210389	-24323	-16393	QP 2	-19.7	Si
290	205116	38616	-15024	QP 2	-19.5	Si
260	159015	31632	-15176	QP 2	-16.8	Si
50	-163693	-17249	-16239	QP 2	-16.7	Si
420	-114744	-39183	-9484	QP 2	-16.4	Si
449	-108154	-33281	-9370	QP 2	-15.4	Si
478	-101449	-27277	-9253	QP 2	-14.4	Si
230	112914	24649	-15328	QP 2	-14	Si
80	-117592	-10266	-16088	QP 2	-13.8	Si
508	-94744	-21272	-9136	QP 2	-13.4	Si
537	-88040	-15268	-9020	QP 2	-11.8	Si
566	-81335	-9263	-8903	QP 2	-11.4	Si

Pilastrata 73B

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
350	18.1	0.9	0	2,3,4	384640	26767	-11478	1366866	95119	LU 10	3.554	Si
320	18.1	0.9	0	2,3,4	340857	59911	-12801	1538818	270473	LU 11	4.515	Si
420	18.1	2.3	0	2,3,4,5	-197445	-72348	-9667	-1141326	-418203	LU 12	5.78	Si
290	18.1	0.9	0	2,3,4	289564	54905	-12998	1684518	319409	LU 11	5.817	Si
449	18.1	2.3	0	2,3,4,5	-184943	-61624	-9518	-1180546	-393366	LU 12	6.383	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
478	18.1	2.3	0	2,3,4,5	-172222	-50714	-9366	-1227184	-361365	LU 12	7.126	Si
260	18.1	0.9	0	2,3,4	238271	49900	-13195	1766979	370047	LU 11	7.416	Si
508	18.1	1.1	0	5	-159502	-39803	-9215	-1283918	-320400	LU 12	8.05	Si
-10	18.1	1.8	0	1,2,3,4	-223526	33825	-15033	-1820244	275447	LU 12	8.143	Si
537	18.1	1.1	0	5	-146781	-28893	-9063	-1335165	-262819	LU 12	9.096	Si
230	18.1	0.9	0	2,3,4	186978	44894	-13393	1736555	416949	LU 11	9.288	Si
20	18.1	1.8	0	1,2,3,4	-173952	33364	-14828	-1696199	325331	LU 18	9.751	Si
566	18.1	1.1	0	5	-134061	-17983	-8911	-1380684	-185202	LU 12	10.299	Si
595	18.1	1.1	0	5	-120355	-18393	-9197	-1345231	-205585	LU 18	11.177	Si
200	18.1	0.9	0	2,3,4	134908	40365	-13655	1547210	462935	LU 12	11.469	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
350	2X/2Y ø6/24	169	-12671	LU 12	8045	4203	34330	2.5	47.58	1710	-12606	LU 11	8036	4203	34322	2.5	4.7	Si
320	2X/2Y ø6/24	169	-12865	LU 12	8070	4203	34357	2.5	47.74	1710	-12801	LU 11	8062	4203	34348	2.5	4.72	Si
290	2X/2Y ø6/24	169	-13062	LU 12	8096	4203	34384	2.5	47.89	1710	-12998	LU 11	8088	4203	34375	2.5	4.73	Si
260	2X/2Y ø6/24	169	-13260	LU 12	8122	4203	34411	2.5	48.05	1710	-13195	LU 11	8114	4203	34402	2.5	4.75	Si
230	2X/2Y ø6/24	169	-13457	LU 12	8149	4203	34438	2.5	48.2	1710	-13393	LU 11	8140	4203	34429	2.5	4.76	Si
200	2X/2Y ø6/24	169	-13655	LU 12	8175	4203	34465	2.5	48.35	1710	-13591	LU 11	8166	4203	34456	2.5	4.78	Si
170	2X/2Y ø6/24	169	-13852	LU 12	8201	4203	34492	2.5	48.51	1710	-13788	LU 11	8192	4203	34483	2.5	4.79	Si
140	2X/2Y ø6/24	169	-14049	LU 12	8227	4203	34519	2.5	48.66	1710	-13985	LU 11	8218	4203	34510	2.5	4.81	Si
110	2X/2Y ø6/24	169	-14247	LU 12	8253	4203	34546	2.5	48.82	1710	-14183	LU 11	8245	4203	34537	2.5	4.82	Si
80	2X/2Y ø6/24	169	-14444	LU 12	8279	4203	34573	2.5	48.97	1710	-14380	LU 11	8271	4203	34565	2.5	4.84	Si
50	2X/2Y ø6/24	169	-14642	LU 12	8305	4203	34600	2.5	49.13	1710	-14578	LU 11	8297	4203	34592	2.5	4.85	Si
20	2X/2Y ø6/24	169	-14842	LU 12	8332	4203	34628	2.5	49.28	1710	-14778	LU 11	8323	4203	34619	2.5	4.87	Si
-10	2X/2Y ø6/24	169	-15033	LU 12	8357	4203	34654	2.5	49.43	1710	-14969	LU 11	8349	4203	34645	2.5	4.88	Si
770	2X/2Y ø6/25	374	-7852	LU 12	6185	3526	26382	2.5	16.53	436	-7825	LU 11	6182	3526	26378	2.5	14.18	Si
741	2X/2Y ø6/25	374	-8001	LU 12	6205	3526	26402	2.5	16.59	436	-7974	LU 11	6201	3526	26398	2.5	14.22	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
350	300035	46512	-9624	RA 3	-31.6	300314	45968	-9581	RA 2	523.4	Si
320	261406	42998	-9774	RA 3	-27.6	261718	42497	-9731	RA 2	399.9	Si
420	-151351	-50811	-7447	RA 3	-24.5	-151351	-50811	-7447	RA 3	275.7	Si
290	222123	39425	-9925	RA 3	-18.3	222123	39425	-9925	RA 3	-224.7	Si
449	-141772	-43249	-7333	RA 3	-17.5	-141772	-43249	-7333	RA 3	-208.8	Si
478	-132027	-35555	-7216	RA 3	-16.2	-132027	-35555	-7216	RA 3	-193.7	Si
260	182840	35851	-10077	RA 3	-16	182840	35851	-10077	RA 3	-199.5	Si
508	-122282	-27861	-7099	RA 3	-14.8	-122282	-27861	-7099	RA 3	-178.6	Si
-10	-170054	3748	-11442	RA 3	-14.2	-170054	3748	-11442	RA 3	-181	Si
230	143557	32277	-10229	RA 3	-13.8	143557	32277	-10229	RA 3	-174.3	Si
537	-112537	-20167	-6983	RA 3	-13.5	-112537	-20167	-6983	RA 3	-163.5	Si
20	-131933	7216	-11294	RA 3	-12.3	-131933	7216	-11294	RA 3	-158.8	Si
566	-102791	-12473	-6866	RA 3	-12.1	-101942	-11152	-7157	RA 9	-149.1	Si
200	104189	28696	-10381	RA 3	-11.6	104189	28696	-10381	RA 3	-149	Si
595	-92389	-4017	-7041	RA 9	-10.9	-92389	-4017	-7041	RA 9	-134.6	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
350	297208	28203	-9055	QP 2	-29.6	Si
320	259534	26169	-9204	QP 2	-25.9	Si
290	221222	24099	-9356	QP 2	-17.2	Si
420	-148901	-28526	-7493	QP 2	-17.1	Si
449	-139502	-24124	-7378	QP 2	-16	Si
260	182910	22030	-9508	QP 2	-15.1	Si
478	-129938	-19646	-7261	QP 2	-14.9	Si
508	-120375	-15169	-7145	QP 2	-13.8	Si
-10	-161260	3443	-10872	QP 2	-13.5	Si
230	144598	19961	-9660	QP 2	-13	Si
537	-110812	-10691	-7028	QP 2	-12.7	Si
566	-101248	-6213	-6911	QP 2	-11.6	Si
20	-124081	5451	-10725	QP 2	-11.6	Si
200	106204	17888	-9812	QP 2	-10.9	Si
595	-91685	-1735	-6795	QP 2	-10.5	Si

Pilastrata 74

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
20	18.1	1.8	0	1,2,3,4	-134789	-165237	-24282	-938590	-1150613	LU 12	6.963	Si
-10	18.1	1.8	0	1,2,3,4	-180154	-109946	-19197	-1379499	-841890	LU 12	7.657	Si
80	18.1	0.9	0	2,3,4	-59302	-116122	-26356	-472749	-925716	LU 12	7.972	Si
110	18.1	0.9	0	2,3,4	61871	-95240	-27498	496192	-763809	LU 12	8.02	Si
50	18.1	1.8	0	1,2,3,4	-67698	-132087	-24083	-551775	-1076578	LU 12	8.151	Si
140	18.1	0.9	0	2,3,4	62217	-71469	-27652	509890	-585714	LU 12	8.195	Si
170	18.1	0.9	0	2,3,4	66789	-61778	-27457	551254	-509890	LU 12	8.254	Si
200	18.1	0.9	0	2,3,4	79726	-61180	-27191	663141	-508885	LU 12	8.318	Si
230	18.1	0.9	0	2,3,4	86225	-59775	-26567	723391	-501488	LU 12	8.39	Si
260	18.1	0.9	0	2,3,4	85119	58196	-25865	731875	500384	LU 12	8.598	Si
350	18.1	0.9	0	2,3,4	52831	120045	-23481	455592	1035209	LU 12	8.624	Si
290	18.1	0.9	0	2,3,4	76851	57758	-25670	675197	507453	LU 12	8.786	Si
320	18.1	0.9	0	2,3,4	59433	69096	-24708	544758	633331	LU 12	9.166	Si
770	18.1	1.1	0	5	-46639	36521	-7472	-860090	673500	LU 12	18.441	Si
420	18.1	2.3	0	2,3,4,5	-18574	-32197	-9287	-352750	-611491	LU 12	18.992	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-10	2X/2Y ø6/24	-578	-18028	LU 10	8753	4203	35064	2.5	15.15	2461	-19197	LU 12	8908	4203	35224	2.5	3.62	Si
50	2X/2Y ø6/24	1095	-24083	LU 12	9555	4203	35893	2.5	8.72	2217	-24083	LU 12	9555	4203	35893	2.5	4.31	Si
20	2X/2Y ø6/24	1095	-24282	LU 12	9581	4203	35920	2.5	8.75	2217	-24282	LU 12	9581	4203	35920	2.5	4.32	Si
80	2X/2Y ø6/24	1269	-26356	LU 12	9856	4203	36204	2.5	7.76	1782	-26356	LU 12	9856	4203	36204	2.5	5.53	Si
350	2X/2Y ø6/24	1686	-23481	LU 12	9475	4203	35810	2.5	5.62	-882	-19986	LU 13	9013	4203	35332	2.5	10.22	Si
110	2X/2Y ø6/24	1076	-27366	LU 11	9989	4203	36342	2.5	9.28	1319	-27366	LU 11	9989	4203	36342	2.5	7.57	Si
320	2X/2Y ø6/24	1101	-24708	LU 12	9638	4203	35978	2.5	8.75	-594	-21334	LU 13	9191	4203	35517	2.5	15.47	Si
170	2X/2Y ø6/24	833	-27320	LU 11	9983	4203	36336	2.5	11.98	872	-24614	LU 10	9625	4203	35966	2.5	11.04	Si
140	2X/2Y ø6/24	833	-27515	LU 11	10009	4203	36363	2.5	12.02	872	-24810	LU 10	9651	4203	35992	2.5	11.07	Si
290	2X/2Y ø6/24	783	-25535	LU 11	9747	4203	36092	2.5	11.84	-281	-25326	LU 18	9719	4203	36063	2.5	34.54	Si
260	2X/2Y ø6/24	783	-25729	LU 11	9773	4203	36118	2.5	11.88	-281	-25520	LU 18	9745	4203	36090	2.5	34.63	Si
200	2X/2Y ø6/24	686	-27052	LU 11	9948	4203	36299	2.5	14.51	496	-24106	LU 10	9558	4203	35896	2.5	19.26	Si
230	2X/2Y ø6/24	666	-26429	LU 11	9865	4203	36214	2.5	14.81	125	-23274	LU 10	9448	4203	35782	2.5	75.28	Si
770	2X/2Y ø6/25	199	-5913	LU 3	5933	3526	26121	2.5	29.84	-91	-7034	LU 15	6079	3526	26272	2.5	66.52	Si
741	2X/2Y ø6/25	199	-6028	LU 3	5948	3526	26136	2.5	29.92	-91	-7183	LU 15	6098	3526	26292	2.5	66.73	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
20	-103074	-126272	-18493	RA 3	-20.3	-103074	-126272	-18493	RA 3	-261	Si
-10	-137606	-83908	-14647	RA 3	-18.2	-137606	-83908	-14647	RA 3	-231.1	Si
50	-51964	-101171	-18340	RA 3	-16.2	-51964	-101171	-18340	RA 3	-213.4	Si
80	-20759	-88921	-20045	RA 3	-14.6	-20759	-88921	-20045	RA 3	-198	Si
350	29583	87166	-17680	RA 3	-13.9	29583	87166	-17680	RA 3	-186.9	Si
170	51116	-36123	-20829	RA 3	-13.7	51116	-36123	-20829	RA 3	-189.4	Si
140	30782	-54757	-20979	RA 3	-13.7	30782	-54757	-20979	RA 3	-189.3	Si
200	61179	-23815	-20600	RA 3	-13.5	61179	-23815	-20600	RA 3	-186.5	Si
110	7220	-72928	-20889	RA 3	-13.4	7220	-72928	-20889	RA 3	-185.4	Si
320	46113	49755	-18634	RA 3	-13.2	46113	49755	-18634	RA 3	-180.3	Si
290	59373	22730	-19389	RA 3	-12.8	59373	22730	-19389	RA 3	-176.8	Si
230	66320	-9420	-20098	RA 3	-12.8	66320	-9420	-20098	RA 3	-177.6	Si
260	65634	5773	-19539	RA 3	-12.3	65634	5773	-19539	RA 3	-171.3	Si
770	-35638	24886	-5674	RA 3	-7.5	-35638	24886	-5674	RA 3	-94.5	Si
741	-33735	21148	-5789	RA 3	-7.1	-33735	21148	-5789	RA 3	-90.9	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
20	-100243	-122391	-17628	QP 2	-19.5	Si
-10	-133045	-80807	-14085	QP 2	-17.5	Si
50	-51461	-99139	-17475	QP 2	-15.6	Si
80	-21047	-87051	-18981	QP 2	-14	Si
170	49919	-36741	-19475	QP 2	-13.1	Si
140	29865	-53744	-19625	QP 2	-13	Si
200	60520	-25412	-19132	QP 2	-12.9	Si
110	6458	-71381	-19663	QP 2	-12.7	Si
230	66328	-12681	-18534	QP 2	-12.3	Si
350	31840	63488	-15919	QP 2	-12	Si
320	48009	34251	-16916	QP 2	-11.8	Si
290	60632	13039	-17737	QP 2	-11.7	Si
260	66417	55	-17887	QP 2	-11.3	Si
770	-34476	10211	-5333	QP 2	-6.1	Si
741	-32510	9233	-5448	QP 2	-6	Si

Pilastrata 75

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-22	396	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	816	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 14.8, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 14.8 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 396, 34.4 > 30.

Anomalie geometriche

L'appoggio -22 ha ampiezza nulla.

Anomalie quantitativo di acciaio

Sezione a quota -16 in Campata da -22 a 408, percentuale acciaio = 0.087% < 0.3%.
Sezione a quota -10 in Campata da -22 a 408, percentuale acciaio = 0.174% < 0.3%.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
814	20.23	2.3	0	5	-396678	274345	-9275	-819150	566531	LU 17	2.065	Si
816	20.68	2.3	0	5	-398220	275176	-9269	-831401	574511	LU 17	2.088	Si
786	18.1	1.1	0	5	-354164	251439	-9425	-777275	551826	LU 17	2.195	Si
755	18.1	1.1	0	5	-309374	227305	-9583	-797960	586282	LU 17	2.579	Si
725	18.1	1.1	0	5	-264583	203171	-9742	-815117	625923	LU 17	3.081	Si
694	18.1	1.1	0	5	-219792	179038	-9900	-822817	670248	LU 17	3.744	Si
664	18.1	1.1	0	5	-175002	154904	-10059	-821861	727477	LU 17	4.696	Si
633	18.1	1.1	0	5	-130953	131073	-10461	-814998	815740	LU 18	6.224	Si
-22	0	0.9	0	1	-169981	53941	-23974	-1071714	340095	LU 18	6.305	Si
-17	1.47	0.9	0	1	-165670	53860	-23938	-1078137	350506	LU 18	6.508	Si
420	18.1	2.3	0	3,4,5	182588	-37768	-11323	1327275	-274547	LU 17	7.269	Si
13	16.75	1.8	0	1,2,4	-142938	-53430	-23747	-1149309	-429614	LU 18	8.041	Si
394	27.65	2.2	0	2,3,4	156208	-107306	-21235	1317560	-905087	LU 18	8.435	Si
367	19.88	1.6	0	2,3,4	134462	-99801	-21418	1134371	-841958	LU 18	8.436	Si
396	28.47	2.2	0	2,3,4	157283	-107677	-21226	1332808	-912449	LU 18	8.474	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
816	2X/2Y ø6/24.8	792	-9269	LU 17	6370	3562	26573	2.5	8.04	-1470	-9269	LU 17	6370	3562	26573	2.5	4.33	Si
814	2X/2Y ø6/24.8	792	-9275	LU 17	6370	3562	26574	2.5	8.04	-1470	-9275	LU 17	6370	3562	26574	2.5	4.33	Si
786	2X/2Y ø6/24.8	792	-9425	LU 17	6390	3562	26594	2.5	8.07	-1470	-9425	LU 17	6390	3562	26594	2.5	4.35	Si
755	2X/2Y ø6/24.8	792	-9583	LU 17	6410	3562	26615	2.5	8.09	-1470	-9583	LU 17	6410	3562	26615	2.5	4.36	Si
725	2X/2Y ø6/24.8	792	-9742	LU 17	6431	3562	26636	2.5	8.12	-1470	-9742	LU 17	6431	3562	26636	2.5	4.37	Si
694	2X/2Y ø6/24.8	792	-9900	LU 17	6452	3562	26658	2.5	8.14	-1470	-9900	LU 17	6452	3562	26658	2.5	4.39	Si
664	2X/2Y ø6/24.8	792	-10059	LU 17	6472	3562	26679	2.5	8.17	-1470	-10059	LU 17	6472	3562	26679	2.5	4.4	Si
633	2X/2Y ø6/24.8	792	-10217	LU 17	6493	3562	26700	2.5	8.2	-1470	-10217	LU 17	6493	3562	26700	2.5	4.42	Si
603	2X/2Y ø6/24.8	792	-10375	LU 17	6514	3562	26722	2.5	8.22	-1470	-10375	LU 17	6514	3562	26722	2.5	4.43	Si
572	2X/2Y ø6/24.8	792	-10534	LU 17	6534	3562	26743	2.5	8.25	-1470	-10534	LU 17	6534	3562	26743	2.5	4.44	Si
542	2X/2Y ø6/24.8	792	-10692	LU 17	6555	3562	26764	2.5	8.27	-1470	-10692	LU 17	6555	3562	26764	2.5	4.46	Si
511	2X/2Y ø6/24.8	792	-10851	LU 17	6575	3562	26786	2.5	8.3	-1470	-10851	LU 17	6575	3562	26786	2.5	4.47	Si
481	2X/2Y ø6/24.8	792	-11009	LU 17	6596	3562	26807	2.5	8.33	-1470	-11009	LU 17	6596	3562	26807	2.5	4.49	Si
450	2X/2Y ø6/24.8	792	-11167	LU 17	6617	3562	26828	2.5	8.35	-1470	-11167	LU 17	6617	3562	26828	2.5	4.5	Si
420	2X/2Y ø6/24.8	792	-11323	LU 17	6637	3562	26849	2.5	8.38	-1470	-11323	LU 17	6637	3562	26849	2.5	4.51	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
814	-296351	203953	-7047	RA 8	-60.9	-296351	203953	-7047	RA 8	1031	Si
816	-297508	204568	-7043	RA 8	-60.5	-297508	204568	-7043	RA 8	1018.2	Si
786	-264447	186987	-7163	RA 8	-57.5	-264447	186987	-7163	RA 8	969.3	Si
755	-230835	169113	-7285	RA 8	-50.7	-230835	169113	-7285	RA 8	806.8	Si
725	-197222	151238	-7407	RA 8	-43.8	-197222	151238	-7407	RA 8	646.3	Si
694	-163610	133364	-7528	RA 8	-36.8	-163610	133364	-7528	RA 8	489.4	Si
664	-130498	115489	-7813	RA 9	-29.8	-129997	115490	-7650	RA 8	339.5	Si
633	-96879	97817	-7935	RA 9	-18.6	-96879	97817	-7935	RA 9	-221.4	Si
-22	-129871	4007	-18302	RA 9	-17.9	0	0	0		0	Si
-17	-126597	2891	-18274	RA 9	-17.3	-126597	2891	-18274	RA 9	-229.8	Si
394	117887	-80434	-16195	RA 9	-16.9	117887	-80434	-16195	RA 9	-217.6	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
396	118703	-80713	-16188	RA 9	-16.9	118703	-80713	-16188	RA 9	-217	Si
420	138351	-27210	-8623	RA 8	-16.8	138351	-27210	-8623	RA 8	-203.3	Si
367	101370	-74805	-16336	RA 9	-16.4	101370	-74805	-16336	RA 9	-213.2	Si
337	83873	-68842	-16484	RA 9	-15.3	83873	-68842	-16484	RA 9	-201	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
814	-239244	157916	-6481	QP 1	-48.1	Si
816	-240213	158377	-6477	QP 1	-47.8	Si
786	-212534	145208	-6597	QP 1	-45.2	Si
755	-184393	131820	-6718	QP 1	-39.7	Si
725	-156252	118431	-6840	QP 1	-34.1	Si
694	-128111	105043	-6962	QP 1	-28.5	Si
664	-100184	91654	-7154	QP 2	-17.9	Si
-22	-125258	3858	-17585	QP 2	-17.2	Si
-17	-122251	2926	-17557	QP 2	-16.7	Si
394	102215	-66624	-15478	QP 2	-15.1	Si
396	102965	-66856	-15471	QP 2	-15.1	Si
633	-72041	78352	-7276	QP 2	-14.9	Si
367	87050	-61925	-15619	QP 2	-14.7	Si
420	124696	-15234	-8057	QP 1	-14.6	Si
337	70986	-56948	-15768	QP 2	-13.7	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
786	-212908	144629	-6713	FR 2	-212436	144309	144309	716	580.2	0.0156	73.16	0.0153	Si	Si
814	-239622	157200	-6597	FR 2	-216479	142017	142017	772.7	578	0.0175	67.41	0.0152	Si	Si
816	-240591	157656	-6593	FR 2	-217494	142521	142521	763.6	577.6	0.0179	66.36	0.0148	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
786	-212758	144861	-6666	QP 2	-211998	144344	144344	718.5	581.5	0.0156	73.28	0.0153	Si	Si
814	-239471	157487	-6551	QP 2	-216047	142082	142082	775.1	579.3	0.0175	67.52	0.0152	Si	Si
816	-240439	157944	-6547	QP 2	-217060	142586	142586	765.9	578.8	0.0179	66.46	0.0148	Si	Si

Pilastrata 76

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
770	18.1	1.1	0	5	145263	67616	-3922	869557	404756	LU 10	5.986	Si
420	18.1	2.3	0	2,3,4,5	-176192	18298	-5737	-1085260	112705	LU 10	6.16	Si
741	18.1	1.1	0	5	118858	63565	-4071	913403	488484	LU 10	7.685	Si
449	18.1	2.3	0	2,3,4,5	-149788	22349	-5588	-1156541	172558	LU 10	7.721	Si
230	18.1	0.9	0	2,3,4	140965	-108541	-16732	1261683	-971481	LU 11	8.95	Si
200	18.1	0.9	0	2,3,4	134540	-112114	-17109	1207609	-1006320	LU 11	8.976	Si
170	18.1	0.9	0	2,3,4	127059	-114983	-17308	1151411	-1041978	LU 11	9.062	Si
140	18.1	0.9	0	2,3,4	120473	-117612	-17642	1097465	-1071405	LU 11	9.11	Si
110	18.1	0.9	0	2,3,4	113553	-119916	-17946	1040982	-1099317	LU 11	9.167	Si
260	18.1	0.9	0	2,3,4	144996	-97252	-15860	1337185	-896880	LU 11	9.222	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
83	18.1	0.9	0	2,3,4	106591	-121084	-18080	988655	-1123076	LU 11	9.275	Si
80	18.1	0.9	0	2,3,4	105938	-120979	-18098	984055	-1123769	LU 11	9.289	Si
50	18.1	1.8	0	1,2,3,4	98592	-119797	-18295	927218	-1126637	LU 11	9.405	Si
290	18.1	0.9	0	2,3,4	148438	-74587	-14861	1461899	-734575	LU 11	9.849	Si
478	18.1	2.3	0	2,3,4,5	-122923	26470	-5436	-1217604	262199	LU 10	9.905	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-10	2X/2Y ø6/24	-2057	-14981	LU 18	8350	4203	34647	2.5	4.06	273	-14005	LU 10	8221	4203	34513	2.5	30.07	Si
770	2X/2Y ø6/25	146	-3960	LU 15	5679	3526	25858	2.5	38.97	921	-3922	LU 10	5674	3526	25853	2.5	6.16	Si
741	2X/2Y ø6/25	146	-4110	LU 15	5698	3526	25878	2.5	39.1	921	-4071	LU 10	5693	3526	25873	2.5	6.18	Si
712	2X/2Y ø6/25	146	-4261	LU 15	5718	3526	25899	2.5	39.24	921	-4223	LU 10	5713	3526	25893	2.5	6.2	Si
683	2X/2Y ø6/25	146	-4413	LU 15	5738	3526	25919	2.5	39.38	921	-4375	LU 10	5733	3526	25914	2.5	6.22	Si
653	2X/2Y ø6/25	146	-4565	LU 15	5757	3526	25939	2.5	39.51	921	-4526	LU 10	5752	3526	25934	2.5	6.25	Si
624	2X/2Y ø6/25	146	-4716	LU 15	5777	3526	25960	2.5	39.65	921	-4678	LU 10	5772	3526	25955	2.5	6.27	Si
595	2X/2Y ø6/25	146	-4868	LU 15	5797	3526	25980	2.5	39.78	921	-4830	LU 10	5792	3526	25975	2.5	6.29	Si
566	2X/2Y ø6/25	146	-5020	LU 15	5817	3526	26001	2.5	39.92	921	-4981	LU 10	5812	3526	25996	2.5	6.31	Si
537	2X/2Y ø6/25	146	-5171	LU 15	5836	3526	26021	2.5	40.05	921	-5133	LU 10	5831	3526	26016	2.5	6.33	Si
508	2X/2Y ø6/25	146	-5323	LU 15	5856	3526	26042	2.5	40.19	921	-5285	LU 10	5851	3526	26036	2.5	6.35	Si
478	2X/2Y ø6/25	146	-5475	LU 15	5876	3526	26062	2.5	40.32	921	-5436	LU 10	5871	3526	26057	2.5	6.37	Si
449	2X/2Y ø6/25	146	-5626	LU 15	5896	3526	26082	2.5	40.46	921	-5588	LU 10	5891	3526	26077	2.5	6.4	Si
420	2X/2Y ø6/25	146	-5775	LU 15	5915	3526	26102	2.5	40.59	921	-5737	LU 10	5910	3526	26097	2.5	6.42	Si
320	2X/2Y ø6/24	985	-14666	LU 11	8309	4203	34604	2.5	8.43	277	-13323	LU 10	8131	4203	34420	2.5	29.32	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
200	103603	-85281	-13008	RA 2	-15.7	103603	-85281	-13008	RA 2	-200.4	Si
230	108652	-82522	-12719	RA 2	-15.7	108652	-82522	-12719	RA 2	-200	Si
170	97742	-87506	-13162	RA 2	-15.6	97742	-87506	-13162	RA 2	-199.2	Si
140	92572	-89550	-13419	RA 2	-15.6	92572	-89550	-13419	RA 2	-199	Si
110	87144	-91347	-13652	RA 2	-15.5	87144	-91347	-13652	RA 2	-198.3	Si
83	81698	-92274	-13757	RA 2	-15.3	81698	-92274	-13757	RA 2	-196.2	Si
80	81186	-92197	-13770	RA 2	-15.2	81186	-92197	-13770	RA 2	-195.9	Si
260	111885	-73905	-12054	RA 2	-15.2	111885	-73905	-12054	RA 2	-192.3	Si
50	75430	-91333	-13923	RA 2	-15	75430	-91333	-13923	RA 2	-192.9	Si
290	114681	-56655	-11294	RA 2	-14.1	114681	-56655	-11294	RA 2	-178.5	Si
770	111740	52012	-3017	RA 1	-13.7	111740	52012	-3017	RA 1	-156.9	Si
420	-135532	14075	-4413	RA 1	-13.4	-129620	18456	-4588	RA 2	-156.8	Si
20	65430	-72833	-13213	RA 2	-13.1	65430	-72833	-13213	RA 2	-170.8	Si
320	120324	-34451	-11144	RA 2	-13.1	120324	-34451	-11144	RA 2	-167.4	Si
449	-110201	21375	-4473	RA 2	-12.1	-110201	21375	-4473	RA 2	-142.5	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
230	109640	-78101	-12030	QP 2	-15.2	Si
200	104106	-80908	-12317	QP 2	-15.2	Si
170	97762	-83215	-12470	QP 2	-15.1	Si
140	92118	-85359	-12727	QP 2	-15	Si
110	86212	-87269	-12961	QP 2	-14.9	Si
260	113478	-69788	-11391	QP 2	-14.7	Si
83	80357	-88327	-13071	QP 2	-14.7	Si
80	79802	-88268	-13084	QP 2	-14.7	Si
50	73565	-87610	-13237	QP 2	-14.4	Si
290	116945	-53383	-10667	QP 2	-13.7	Si
770	111740	52012	-3017	QP 1	-13.7	Si
420	-135532	14075	-4413	QP 1	-13.4	Si
320	123063	-32329	-10517	QP 2	-12.9	Si
20	63268	-69960	-12562	QP 2	-12.6	Si
449	-113715	18446	-4351	QP 2	-12	Si

Pilastrata 76A

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	396	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	816	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 396, 34.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,4	83724	-38369	-17053	1004844	-460505	LU 12	12.002	Si
19	18.1	1.8	0	1,2,4	79953	-37945	-16864	979018	-464625	LU 11	12.245	Si
48	18.1	1.8	0	1,2,4	76113	-37515	-16673	951369	-468917	LU 11	11.899	Si
77	18.1	0.9	0	2,4	72273	-37086	-16483	922297	-473262	LU 11	12.761	Si
106	18.1	0.9	0	2,4	68433	-36656	-16292	891967	-477787	LU 11	13.034	Si
135	18.1	0.9	0	2,4	64592	-36227	-16101	860241	-482469	LU 11	13.318	Si
164	18.1	0.9	0	2,4	60752	-35797	-15910	827033	-487319	LU 11	13.613	Si
193	18.1	0.9	0	2,4	56912	-35368	-15719	792227	-492332	LU 11	13.92	Si
222	18.1	0.9	0	2,4	53071	-34939	-15528	755433	-497324	LU 11	14.234	Si
251	18.1	0.9	0	2,4	49231	-34509	-15337	716686	-502369	LU 11	14.558	Si
280	18.1	0.9	0	2,4	45391	-34080	-15147	675786	-507383	LU 11	14.888	Si
309	18.1	0.9	0	2,4	41271	-33653	-14957	625313	-509890	LU 12	15.151	Si
338	18.1	0.9	0	2,4	37406	-33224	-14766	574072	-509890	LU 12	15.347	Si
367	19.99	1.6	0	2,3,4	33540	-32794	-14575	530185	-518392	LU 12	15.807	Si
394	27.65	2.2	0	2,3,4	32392	-32392	-14397	552804	-552804	LU 12	17.066	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
396	2X/2Y ø6/23.9	-28	-13573	LU 17	8164	4223	34454	2.5	286.72	-135	-14275	LU 18	8257	4223	34550	2.5	61.32	Si
394	2X/2Y ø6/23.9	-28	-13582	LU 17	8165	4223	34455	2.5	286.76	-135	-14284	LU 18	8258	4223	34551	2.5	61.33	Si
367	2X/2Y ø6/23.9	-28	-13760	LU 17	8189	4223	34480	2.5	287.59	-135	-14463	LU 18	8282	4223	34576	2.5	61.51	Si
338	2X/2Y ø6/23.9	-28	-13951	LU 17	8214	4223	34506	2.5	288.47	-135	-14654	LU 18	8307	4223	34602	2.5	61.7	Si
309	2X/2Y ø6/23.9	-28	-14142	LU 17	8239	4223	34532	2.5	289.36	-135	-14844	LU 18	8332	4223	34628	2.5	61.88	Si
280	2X/2Y ø6/23.9	-28	-14333	LU 17	8264	4223	34558	2.5	290.25	-135	-15035	LU 18	8357	4223	34654	2.5	62.07	Si
251	2X/2Y ø6/23.9	-28	-14524	LU 17	8290	4223	34584	2.5	291.14	-135	-15226	LU 18	8383	4223	34680	2.5	62.26	Si
222	2X/2Y ø6/23.9	-28	-14714	LU 17	8315	4223	34610	2.5	292.02	-135	-15417	LU 18	8408	4223	34706	2.5	61.85	Si
193	2X/2Y ø6/23.9	-28	-14905	LU 17	8340	4223	34636	2.5	292.91	-135	-15608	LU 18	8433	4223	34733	2.5	62.63	Si
164	2X/2Y ø6/23.9	-28	-15096	LU 17	8366	4223	34663	2.5	293.8	-135	-15799	LU 18	8458	4223	34759	2.5	62.82	Si
135	2X/2Y ø6/23.9	-28	-15287	LU 17	8391	4223	34689	2.5	294.68	-135	-15990	LU 18	8484	4223	34785	2.5	63.01	Si
106	2X/2Y ø6/23.9	-28	-15478	LU 17	8416	4223	34715	2.5	295.57	-135	-16180	LU 18	8509	4223	34811	2.5	63.2	Si
77	2X/2Y ø6/23.9	-28	-15669	LU 17	8441	4223	34741	2.5	296.46	-135	-16371	LU 18	8534	4223	34837	2.5	63.39	Si
48	2X/2Y ø6/23.9	-28	-15860	LU 17	8467	4223	34767	2.5	297.34	-135	-16562	LU 18	8559	4223	34863	2.5	63.57	Si
19	2X/2Y ø6/23.9	-28	-16050	LU 17	8492	4223	34793	2.5	298.23	-135	-16753	LU 18	8585	4223	34889	2.5	63.76	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	63904	-800	-13015	RA 3	-9.1	63904	-800	-13015	RA 3	-124.6	Si
19	61015	-1352	-12870	RA 3	-8.9	61015	-1352	-12870	RA 3	-122.2	Si
48	58111	-1895	-12723	RA 2	-8.7	58111	-1895	-12723	RA 2	-119.8	Si
77	55188	-2453	-12576	RA 2	-8.5	55188	-2453	-12576	RA 2	-117.4	Si
106	52266	-3011	-12429	RA 2	-8.4	52266	-3011	-12429	RA 2	-115	Si
135	49343	-3570	-12282	RA 2	-8.2	49343	-3570	-12282	RA 2	-112.6	Si
164	46420	-4128	-12135	RA 2	-8	46420	-4128	-12135	RA 2	-110.2	Si
193	43498	-4686	-11989	RA 2	-7.8	43498	-4686	-11989	RA 2	-107.8	Si
222	40575	-5245	-11842	RA 2	-7.6	40575	-5245	-11842	RA 2	-105.4	Si
251	37652	-5803	-11695	RA 2	-7.4	37652	-5803	-11695	RA 2	-103	Si
280	34730	-6362	-11548	RA 2	-7.2	34730	-6362	-11548	RA 2	-100.6	Si
309	31807	-6920	-11401	RA 2	-7	31807	-6920	-11401	RA 2	-98.1	Si
338	28884	-7478	-11255	RA 2	-6.8	28884	-7478	-11255	RA 2	-95.7	Si
367	25962	-8037	-11108	RA 2	-6.6	25962	-8037	-11108	RA 2	-92.7	Si
394	23228	-8559	-10970	RA 2	-6.2	23228	-8559	-10970	RA 2	-87.5	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	61632	-732	-12545	QP 2	-8.8	Si
19	58900	-1325	-12401	QP 2	-8.6	Si
48	56121	-1928	-12254	QP 2	-8.4	Si
77	53341	-2530	-12108	QP 2	-8.3	Si
106	50561	-3133	-11961	QP 2	-8.1	Si
135	47781	-3736	-11814	QP 2	-7.9	Si
164	45001	-4339	-11667	QP 2	-7.7	Si
193	42221	-4942	-11520	QP 2	-7.5	Si
222	39441	-5545	-11374	QP 2	-7.4	Si
251	36661	-6148	-11227	QP 2	-7.2	Si
280	33882	-6751	-11080	QP 2	-7	Si
309	31102	-7353	-10933	QP 2	-6.8	Si
338	28322	-7956	-10786	QP 2	-6.6	Si
367	25542	-8559	-10639	QP 2	-6.4	Si
394	22941	-9123	-10502	QP 2	-6.1	Si

Pilastrata 76B

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	396	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	816	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 396, 34.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,4	74761	34461	-15316	1000554	461206	LU 12	13.383	Si
19	18.1	1.8	0	1,2,4	71094	34039	-15128	972521	465634	LU 12	13.679	Si
48	18.1	1.8	0	1,2,4	67362	33610	-14938	942480	470238	LU 12	13.991	Si
77	18.1	0.9	0	2,4	63631	33180	-14747	910881	474975	LU 12	14.315	Si
106	18.1	0.9	0	2,4	59900	-32751	-14556	877708	-479894	LU 12	14.653	Si
135	18.1	0.9	0	2,4	56169	-32321	-14365	842864	-485014	LU 12	15.006	Si
164	18.1	0.9	0	2,4	52437	-31892	-14174	806208	-490330	LU 12	15.375	Si
193	18.1	0.9	0	2,4	48706	-31462	-13983	767386	-495708	LU 12	15.756	Si
222	18.1	0.9	0	2,4	44975	-31033	-13792	726241	-501116	LU 12	16.148	Si
251	18.1	0.9	0	2,4	41243	-30604	-13602	682676	-506565	LU 12	16.552	Si
280	18.1	0.9	0	2,4	37512	-30174	-13411	633884	-509890	LU 12	16.898	Si
309	18.1	0.9	0	2,4	33781	-29745	-13220	579072	-509890	LU 12	17.142	Si
338	18.1	0.9	0	2,4	30049	-29315	-13029	522655	-509890	LU 12	17.393	Si
367	19.99	1.6	0	2,3,4	28886	-28886	-12838	518392	-518392	LU 12	17.946	Si
394	27.65	2.2	0	2,3,4	28484	-28484	-12660	552804	-552804	LU 12	19.407	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
396	2X/2Y ø6/23.9	-31	-12017	LU 17	7958	4223	34241	2.5	259.42	-130	-12589	LU 18	8034	4223	34319	2.5	61.8	Si
394	2X/2Y ø6/23.9	-31	-12026	LU 17	7959	4223	34242	2.5	259.46	-130	-12598	LU 18	8035	4223	34321	2.5	61.81	Si
367	2X/2Y ø6/23.9	-31	-12204	LU 17	7983	4223	34267	2.5	260.23	-130	-12777	LU 18	8059	4223	34345	2.5	61.99	Si
338	2X/2Y ø6/23.9	-31	-12395	LU 17	8008	4223	34293	2.5	261.05	-130	-12968	LU 18	8084	4223	34371	2.5	62.19	Si
309	2X/2Y ø6/23.9	-31	-12586	LU 17	8033	4223	34319	2.5	261.88	-130	-13159	LU 18	8109	4223	34397	2.5	62.38	Si
280	2X/2Y ø6/23.9	-31	-12777	LU 17	8059	4223	34345	2.5	262.7	-130	-13349	LU 18	8134	4223	34423	2.5	62.58	Si
251	2X/2Y ø6/23.9	-31	-12968	LU 17	8084	4223	34371	2.5	263.52	-130	-13540	LU 18	8160	4223	34450	2.5	62.77	Si
222	2X/2Y ø6/23.9	-31	-13159	LU 17	8109	4223	34397	2.5	264.35	-130	-13731	LU 18	8185	4223	34476	2.5	62.97	Si
193	2X/2Y ø6/23.9	-31	-13350	LU 17	8134	4223	34423	2.5	265.17	-130	-13922	LU 18	8210	4223	34502	2.5	63.16	Si
164	2X/2Y ø6/23.9	-31	-13540	LU 17	8160	4223	34450	2.5	265.99	-130	-14113	LU 18	8235	4223	34528	2.5	63.35	Si
135	2X/2Y ø6/23.9	-31	-13731	LU 17	8185	4223	34476	2.5	266.82	-130	-14304	LU 18	8261	4223	34554	2.5	63.55	Si
106	2X/2Y ø6/23.9	-31	-13922	LU 17	8210	4223	34502	2.5	267.64	-130	-14495	LU 18	8286	4223	34580	2.5	63.74	Si
77	2X/2Y ø6/23.9	-31	-14113	LU 17	8235	4223	34528	2.5	268.46	-130	-14685	LU 18	8311	4223	34606	2.5	63.94	Si
48	2X/2Y ø6/23.9	-31	-14304	LU 17	8261	4223	34554	2.5	269.29	-130	-14876	LU 18	8336	4223	34632	2.5	64.13	Si
19	2X/2Y ø6/23.9	-31	-14495	LU 17	8286	4223	34580	2.5	270.11	-130	-15067	LU 18	8362	4223	34659	2.5	64.33	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	57095	1841	-11695	RA 3	-8.2	57095	1841	-11695	RA 3	-111.8	Si
19	54309	1255	-11551	RA 3	-8	54309	1255	-11551	RA 3	-109.4	Si
48	51474	658	-11404	RA 3	-7.7	51474	658	-11404	RA 3	-106.4	Si
77	48639	62	-11258	RA 3	-7.5	48639	62	-11258	RA 3	-103.3	Si
106	45804	-535	-11111	RA 3	-7.3	45804	-535	-11111	RA 3	-100.9	Si
135	42970	-1131	-10964	RA 3	-7.1	42970	-1131	-10964	RA 3	-98.6	Si
164	40135	-1728	-10817	RA 3	-6.9	40135	-1728	-10817	RA 3	-96.2	Si
193	37300	-2324	-10670	RA 3	-6.8	37300	-2324	-10670	RA 3	-93.9	Si
222	34465	-2921	-10523	RA 3	-6.6	34465	-2921	-10523	RA 3	-91.6	Si
251	31630	-3517	-10377	RA 3	-6.4	31630	-3517	-10377	RA 3	-89.3	Si
280	28795	-4114	-10230	RA 3	-6.2	28795	-4114	-10230	RA 3	-86.9	Si
309	26140	-4662	-10068	RA 2	-6	25960	-4710	-10083	RA 3	-84.6	Si
338	23328	-5255	-9921	RA 2	-5.8	23125	-5306	-9936	RA 3	-82.3	Si
367	20515	-5847	-9775	RA 2	-5.6	20515	-5847	-9775	RA 2	-79.4	Si
394	17884	-6402	-9637	RA 2	-5.3	17884	-6402	-9637	RA 2	-74.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	55197	1913	-11299	QP 2	-8	Si
19	52575	1277	-11155	QP 2	-7.7	Si
48	49908	631	-11008	QP 2	-7.5	Si
77	47240	-16	-10861	QP 2	-7.2	Si
106	44573	-662	-10714	QP 2	-7.1	Si
135	41905	-1308	-10567	QP 2	-6.9	Si
164	39237	-1955	-10421	QP 2	-6.7	Si
193	36570	-2601	-10274	QP 2	-6.6	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
222	33902	-3248	-10127	QP 2	-6.4	Si
251	31235	-3894	-9980	QP 2	-6.2	Si
280	28567	-4541	-9833	QP 2	-6	Si
309	25899	-5187	-9687	QP 2	-5.9	Si
338	23232	-5833	-9540	QP 2	-5.7	Si
367	20564	-6480	-9393	QP 2	-5.5	Si
394	18069	-7085	-9256	QP 2	-5.2	Si

Pilastrata 77

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	396	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	816	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 396, 34.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-10	18.1	1.8	0	1,2,4	64147	-75057	-16595	772098	-903409	LU 12	12.036	Si
19	18.1	1.8	0	1,2,4	61693	-70646	-16407	761025	-871466	LU 12	12.336	Si
48	18.1	1.8	0	1,2,4	59196	-66158	-16216	748939	-837023	LU 12	12.652	Si
77	18.1	0.9	0	2,4	56699	-61670	-16025	736081	-800619	LU 12	12.982	Si
106	18.1	0.9	0	2,4	54202	-57182	-15834	722521	-762251	LU 12	13.33	Si
135	18.1	0.9	0	2,4	51705	-52694	-15644	707918	-721466	LU 12	13.692	Si
164	18.1	0.9	0	2,4	49208	-48206	-15453	691764	-677688	LU 12	14.058	Si
193	18.1	0.9	0	2,4	46711	-43718	-15262	674566	-631355	LU 12	14.441	Si
222	18.1	0.9	0	2,4	44213	-39230	-15071	656336	-582365	LU 12	14.845	Si
251	18.1	0.9	0	2,4	41716	-34743	-14880	635323	-529115	LU 12	15.23	Si
280	18.1	0.9	0	2,4	39219	-33051	-14689	605054	-509890	LU 12	15.427	Si
309	18.1	0.9	0	2,4	36722	-32621	-14498	573988	-509890	LU 12	15.631	Si
338	18.1	0.9	0	2,4	34225	-32192	-14308	542093	-509890	LU 12	15.839	Si
367	19.99	1.6	0	2,3,4	31763	-31763	-14117	518392	-518392	LU 12	16.321	Si
396	28.47	2.2	0	2,3,4	31340	-31340	-13929	556509	-556509	LU 12	17.757	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
396	2X/2Y ø6/23.9	155	-13929	LU 12	8211	4223	34503	2.5	53.06	-87	-13829	LU 18	8198	4223	34489	2.5	94.03	Si
367	2X/2Y ø6/23.9	155	-14117	LU 12	8236	4223	34528	2.5	53.22	-87	-14016	LU 18	8223	4223	34515	2.5	94.31	Si
338	2X/2Y ø6/23.9	155	-14308	LU 12	8261	4223	34555	2.5	53.38	-87	-14207	LU 18	8248	4223	34541	2.5	94.6	Si
309	2X/2Y ø6/23.9	155	-14498	LU 12	8286	4223	34581	2.5	53.54	-87	-14398	LU 18	8273	4223	34567	2.5	94.89	Si
280	2X/2Y ø6/23.9	155	-14689	LU 12	8312	4223	34607	2.5	53.71	-87	-14589	LU 18	8298	4223	34593	2.5	95.18	Si
251	2X/2Y ø6/23.9	155	-14880	LU 12	8337	4223	34633	2.5	53.87	-87	-14780	LU 18	8324	4223	34619	2.5	95.47	Si
222	2X/2Y ø6/23.9	155	-15071	LU 12	8362	4223	34659	2.5	54.03	-87	-14971	LU 18	8349	4223	34645	2.5	95.76	Si
193	2X/2Y ø6/23.9	155	-15262	LU 12	8387	4223	34685	2.5	54.2	-87	-15161	LU 18	8374	4223	34671	2.5	96.05	Si
164	2X/2Y ø6/23.9	155	-15453	LU 12	8413	4223	34711	2.5	54.36	-87	-15352	LU 18	8399	4223	34698	2.5	96.34	Si
135	2X/2Y ø6/23.9	155	-15644	LU 12	8438	4223	34737	2.5	54.52	-87	-15543	LU 18	8425	4223	34724	2.5	96.63	Si
106	2X/2Y ø6/23.9	155	-15834	LU 12	8463	4223	34764	2.5	54.69	-87	-15734	LU 18	8450	4223	34750	2.5	96.92	Si
77	2X/2Y ø6/23.9	155	-16025	LU 12	8488	4223	34790	2.5	54.85	-87	-15925	LU 18	8475	4223	34776	2.5	97.21	Si
48	2X/2Y ø6/23.9	155	-16216	LU 12	8514	4223	34816	2.5	55.01	-87	-16116	LU 18	8500	4223	34802	2.5	97.5	Si
816	2X/2Y ø6/24.8	-105	-4671	LU 12	5771	3562	25954	2.5	55.03	87	-4699	LU 18	5775	3562	25958	2.5	66.33	Si
19	2X/2Y ø6/23.9	155	-16407	LU 12	8539	4223	34842	2.5	55.18	-87	-16307	LU 18	8526	4223	34828	2.5	97.79	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	48966	-57243	-12664	RA 3	-11.2	48966	-57243	-12664	RA 3	-147.6	Si
19	47111	-53884	-12520	RA 3	-10.8	47111	-53884	-12520	RA 3	-143.5	Si
48	45223	-50466	-12373	RA 3	-10.5	45223	-50466	-12373	RA 3	-139.3	Si
77	43336	-47048	-12226	RA 3	-10.1	43336	-47048	-12226	RA 3	-135.1	Si
106	41448	-43630	-12079	RA 3	-9.8	41448	-43630	-12079	RA 3	-130.9	Si
135	39561	-40211	-11932	RA 3	-9.4	39561	-40211	-11932	RA 3	-126.7	Si
164	37673	-36793	-11785	RA 3	-9.1	37673	-36793	-11785	RA 3	-122.5	Si
193	35786	-33375	-11639	RA 3	-8.8	35786	-33375	-11639	RA 3	-118.3	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
222	33898	-29957	-11492	RA 3	-8.4	33898	-29957	-11492	RA 3	-114.1	Si
251	32011	-26539	-11345	RA 3	-8.1	32011	-26539	-11345	RA 3	-109.9	Si
280	30124	-23121	-11198	RA 3	-7.7	30124	-23121	-11198	RA 3	-105.7	Si
309	28236	-19703	-11051	RA 3	-7.4	28236	-19703	-11051	RA 3	-101.5	Si
338	26349	-16285	-10905	RA 3	-7	26349	-16285	-10905	RA 3	-97.3	Si
367	24461	-12867	-10758	RA 3	-6.6	24461	-12867	-10758	RA 3	-92.5	Si
396	22606	-9508	-10614	RA 3	-6.1	22606	-9508	-10614	RA 3	-85	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-10	47211	-54965	-12196	QP 2	-10.8	Si
19	45513	-51759	-12052	QP 2	-10.4	Si
48	43785	-48497	-11905	QP 2	-10.1	Si
77	42058	-45235	-11758	QP 2	-9.8	Si
106	40330	-41974	-11611	QP 2	-9.4	Si
135	38602	-38712	-11464	QP 2	-9.1	Si
164	36874	-35450	-11317	QP 2	-8.8	Si
193	35146	-32188	-11171	QP 2	-8.5	Si
222	33418	-28926	-11024	QP 2	-8.1	Si
251	31690	-25664	-10877	QP 2	-7.8	Si
280	29963	-22402	-10730	QP 2	-7.5	Si
309	28235	-19141	-10583	QP 2	-7.1	Si
338	26507	-15879	-10437	QP 2	-6.8	Si
367	24779	-12617	-10290	QP 2	-6.4	Si
396	23081	-9411	-10146	QP 2	-5.9	Si

Pilastrata (1886; 3756)

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-60	R 40x50	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-14.7	-19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	14.7	-19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	14.7	19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.1	-14.7	19.7	1.8	2.540	-542	-500	R 40x50	FeB 32k liscio LC1
p.2	-14.7	-19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	14.7	-19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	14.7	19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1
p.2	-14.7	19.7	1.8	2.540	-500	-60	R 40x50	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -542 a -500, 39.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 39.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -60, 39.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -60 a -46.8, 39.4 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	1.8	0	1,2	-764811	804518	-23213	-801777	843402	LU 11	1.048	Si
-60	18.1	0.9	0	2	596210	-749205	-20360	694418	-872613	LU 11	1.165	Si
-471	18.1	1.8	0	1,2	-675420	702470	-23026	-842410	876148	LU 11	1.247	Si
-89	18.1	0.9	0	2	506819	-647157	-20547	725054	-925821	LU 11	1.431	Si
-441	18.1	1.8	0	1,2	-584478	598652	-22835	-891896	913525	LU 11	1.526	Si
-119	18.1	0.9	0	2	415877	-543339	-20738	766350	-1001227	LU 11	1.843	Si
-412	18.1	0.9	0	2	-493537	494835	-22645	-947833	950325	LU 11	1.92	Si
-148	18.1	0.9	0	2	324936	-439522	-20929	810194	-1095902	LU 11	1.893	Si
-383	18.1	0.9	0	2	-402595	391017	-22454	-1012149	983041	LU 11	2.514	Si
-353	18.1	0.9	0	2	-311654	287200	-22263	-1110272	1023154	LU 11	3.563	Si
-177	18.1	0.9	0	2	233995	-335705	-21119	836634	-1200293	LU 11	3.575	Si
-324	18.1	0.9	0	2	-221194	183278	-22153	-1232331	1021092	LU 12	5.571	Si
-207	18.1	0.9	0	2	143053	-231887	-21310	812228	-1316611	LU 11	5.678	Si
-236	18.1	0.9	0	2	53952	-127876	-21581	460606	-1091731	LU 12	8.537	Si
-295	18.1	0.9	0	2	-130214	79560	-21962	-1119932	684271	LU 12	8.601	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-60	2X/2Y ø6/24.4	-3539	-20360	LU 11	9104	3606	34397	2.5	2.57	3100	-20360	LU 11	8876	4646	35448	2.5	2.86	Si
-89	2X/2Y ø6/24.4	-3539	-20547	LU 11	9128	3606	34422	2.5	2.58	3100	-20547	LU 11	8901	4646	35474	2.5	2.87	Si
-119	2X/2Y ø6/24.4	-3539	-20738	LU 11	9153	3606	34448	2.5	2.59	3100	-20738	LU 11	8927	4646	35500	2.5	2.88	Si
-148	2X/2Y ø6/24.4	-3539	-20929	LU 11	9178	3606	34474	2.5	2.59	3100	-20929	LU 11	8953	4646	35527	2.5	2.89	Si
-177	2X/2Y ø6/24.4	-3539	-21119	LU 11	9202	3606	34499	2.5	2.6	3100	-21119	LU 11	8978	4646	35553	2.5	2.9	Si
-207	2X/2Y ø6/24.4	-3539	-21310	LU 11	9227	3606	34525	2.5	2.61	3100	-21310	LU 11	9004	4646	35580	2.5	2.9	Si
-236	2X/2Y ø6/24.4	-3539	-21501	LU 11	9252	3606	34551	2.5	2.61	3100	-21501	LU 11	9029	4646	35606	2.5	2.91	Si
-265	2X/2Y ø6/24.4	-3539	-21692	LU 11	9277	3606	34576	2.5	2.62	3100	-21692	LU 11	9055	4646	35632	2.5	2.92	Si
-295	2X/2Y ø6/24.4	-3539	-21882	LU 11	9302	3606	34602	2.5	2.63	3100	-21882	LU 11	9080	4646	35659	2.5	2.93	Si
-324	2X/2Y ø6/24.4	-3539	-22073	LU 11	9326	3606	34628	2.5	2.64	3100	-22073	LU 11	9106	4646	35685	2.5	2.94	Si
-353	2X/2Y ø6/24.4	-3539	-22263	LU 11	9351	3606	34653	2.5	2.64	3100	-22263	LU 11	9131	4646	35712	2.5	2.95	Si
-383	2X/2Y ø6/24.4	-3539	-22454	LU 11	9376	3606	34679	2.5	2.65	3100	-22454	LU 11	9157	4646	35738	2.5	2.95	Si
-412	2X/2Y ø6/24.4	-3539	-22645	LU 11	9401	3606	34705	2.5	2.66	3100	-22645	LU 11	9183	4646	35765	2.5	2.96	Si
-441	2X/2Y ø6/24.4	-3539	-22835	LU 11	9426	3606	34730	2.5	2.66	3100	-22835	LU 11	9208	4646	35791	2.5	2.97	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-471	2X/2Y ø6/24.4	-3539	-23026	LU 11	9451	3606	34756	2.5	2.67	3100	-23026	LU 11	9234	4646	35818	2.5	2.98	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-500	-576466	606173	-17565	RA 2	-117.9	-576466	606173	-17565	RA 2	2140.5	No
-60	448204	-563973	-15370	RA 2	-101.8	448204	-563973	-15370	RA 2	1879.7	No
-471	-509166	529318	-17421	RA 2	-102.6	-509166	529318	-17421	RA 2	1770.7	Si
-89	380904	-487118	-15514	RA 2	-86.5	380904	-487118	-15514	RA 2	1496.3	Si
-441	-440699	451131	-17274	RA 2	-87	-440699	451131	-17274	RA 2	1398.7	Si
-119	312437	-408931	-15661	RA 2	-70.9	312437	-408931	-15661	RA 2	1112.8	Si
-412	-372232	372943	-17127	RA 2	-71.3	-372232	372943	-17127	RA 2	1034.4	Si
-383	-303765	294756	-16981	RA 2	-55.6	-303765	294756	-16981	RA 2	685.3	Si
-148	243970	-330744	-15807	RA 2	-55.2	243970	-330744	-15807	RA 2	741.7	Si
-353	-235298	216569	-16834	RA 2	-40.2	-235645	216433	-16887	RA 3	-469.6	Si
-177	175503	-252556	-15954	RA 2	-39.7	175503	-252556	-15954	RA 2	-456.2	Si
-324	-167152	138312	-16741	RA 3	-23.9	-167152	138312	-16741	RA 3	-298.9	Si
-207	106817	-174173	-16154	RA 3	-22.9	106817	-174173	-16154	RA 3	-285.2	Si
-295	-98660	60190	-16594	RA 3	-15.7	-98660	60190	-16594	RA 3	-206.2	Si
-236	38325	-96052	-16301	RA 3	-14.9	38325	-96052	-16301	RA 3	-194.4	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-500	-522547	548449	-16237	QP 2	-106.6	No
-471	-461902	479073	-16093	QP 2	-92.9	Si
-60	400794	-507834	-14042	QP 2	-91.3	Si
-441	-400206	408493	-15946	QP 2	-78.8	Si
-89	340149	-438458	-14186	QP 2	-77.5	Si
-412	-338510	337914	-15800	QP 2	-64.6	Si
-119	278453	-367879	-14333	QP 2	-63.4	Si
-383	-276814	267335	-15653	QP 2	-50.4	Si
-148	216757	-297300	-14480	QP 2	-49.3	Si
-353	-215117	196755	-15506	QP 2	-36.5	Si
-177	155060	-226720	-14626	QP 2	-35.4	Si
-324	-153421	126176	-15360	QP 2	-21.9	Si
-207	93364	-156141	-14773	QP 2	-20.6	Si
-295	-91725	55597	-15213	QP 2	-14.5	Si
-236	31668	-85562	-14920	QP 2	-13.3	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-500	-537952	564941	-16616	FR 2	-229157	240653	240653	1983.1	743.4	0.0183	65.02	0.0376	Si	Si
-89	351793	-452361	-14566	FR 2	208371	-267939	-267939	1378.1	663.2	0.0136	79.45	0.0319	Si	Si
-60	414340	-523874	-14421	FR 2	205382	-259677	-259677	1734.8	681.5	0.0199	60.61	0.0306	Si	Si
-119	288163	-379608	-14712	FR 2	212904	-280467	-280467	1021.4	636.5	0.0142	77.03	0.0229	Si	Si
-471	-475406	493428	-16472	FR 2	-234881	243785	243785	1640.1	320.7	0.0423	40.94	0.0222	Si	Si
-441	-411776	420675	-16326	FR 2	-242948	248199	248199	1295	302.2	0.0449	38.75	0.0148	Si	Si
-148	224532	-306855	-14859	FR 2	220416	-301230	-301230	676.9	594.1	0.0152	73.2	0.0144	Si	Si
-412	-348145	347922	-16179	FR 2	-254901	254739	254739	957.3	276.7	0.0491	37.23	0.0104	Si	Si
-383	-284514	275169	-16032	FR 2	-274445	265431	265431	634.2	239.7	0.0377	42.38	0.0078	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-500	-522547	548449	-16237	QP 2	-229431	240804	240804	1920.2	743	0.0183	64.99	0.0363	Si	No
-89	340149	-438458	-14186	QP 2	208256	-268445	-268445	1330.9	662	0.0137	79.33	0.0308	Si	No
-60	400794	-507834	-14042	QP 2	205260	-260080	-260080	1676.9	680.5	0.0199	60.55	0.0296	Si	Si
-119	278453	-367879	-14333	QP 2	212803	-281146	-281146	984.9	635	0.0142	76.89	0.0221	Si	Si
-471	-461902	479073	-16093	QP 2	-235198	243940	243940	1587.8	320	0.0424	40.9	0.0211	Si	Si
-441	-400206	408493	-15946	QP 2	-243321	248359	248359	1253.6	301.4	0.045	38.7	0.0141	Si	Si
-412	-338510	337914	-15800	QP 2	-255355	254906	254906	926.5	275.8	0.0492	37.19	0.01	Si	Si
-383	-276814	267335	-15653	QP 2	-275021	265603	265603	613.7	238.8	0.0379	42.31	0.0076	Si	Si

Pilastrata (2266; 3181)

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-45	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -45 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-250721	282855	-16705	-731963	825778	LU 12	2.919	Si
449	18.1	2.3	0	2,3,4,5	-213966	240709	-16555	-753792	848005	LU 12	3.523	Si
770	18.1	1.1	0	5	196744	-230256	-14890	732466	-857227	LU 12	3.723	Si
478	18.1	2.3	0	2,3,4,5	-176571	197827	-16404	-781237	875286	LU 12	4.425	Si
741	18.1	1.1	0	5	159990	-188109	-15039	759832	-893379	LU 12	4.749	Si
350	18.1	0.9	0	2,3,4	118011	-270223	-28036	644567	-1475933	LU 18	5.462	Si
508	18.1	1.1	0	5	-139175	154945	-16252	-801741	892588	LU 12	5.761	Si
320	18.1	0.9	0	2,3,4	115050	-234116	-28231	671745	-1366938	LU 18	5.839	Si
290	18.1	0.9	0	2,3,4	112038	-197397	-28428	697326	-1228596	LU 18	6.224	Si
712	18.1	1.1	0	5	118975	-148999	-17171	751091	-940633	LU 18	6.313	Si
-10	18.1	1.8	0	1,2,3,4	72885	206212	-27907	466658	1320312	LU 17	6.403	Si
260	18.1	0.9	0	2,3,4	109027	-160677	-28625	723148	-1065737	LU 18	6.633	Si
20	18.1	1.8	0	1,2,3,4	84895	133549	-30208	582742	916721	LU 18	6.864	Si
230	18.1	0.9	0	2,3,4	106015	-123958	-28823	746688	-873068	LU 18	7.043	Si
50	18.1	1.8	0	1,2,3,4	87945	96356	-30008	640424	701674	LU 18	7.282	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-1470	-14890	LU 12	7101	3526	27329	2.5	4.83	1282	-14890	LU 12	7101	3526	27329	2.5	5.54	Si
741	2X/2Y ø6/25	-1470	-15039	LU 12	7120	3526	27349	2.5	4.84	1282	-15039	LU 12	7120	3526	27349	2.5	5.55	Si
712	2X/2Y ø6/25	-1470	-15190	LU 12	7140	3526	27370	2.5	4.86	1282	-15190	LU 12	7140	3526	27370	2.5	5.57	Si
683	2X/2Y ø6/25	-1470	-15342	LU 12	7160	3526	27390	2.5	4.87	1282	-15342	LU 12	7160	3526	27390	2.5	5.58	Si
653	2X/2Y ø6/25	-1470	-15494	LU 12	7180	3526	27411	2.5	4.88	1282	-15494	LU 12	7180	3526	27411	2.5	5.6	Si
624	2X/2Y ø6/25	-1470	-15645	LU 12	7199	3526	27431	2.5	4.9	1282	-15645	LU 12	7199	3526	27431	2.5	5.62	Si
595	2X/2Y ø6/25	-1470	-15797	LU 12	7219	3526	27452	2.5	4.91	1282	-15797	LU 12	7219	3526	27452	2.5	5.63	Si
566	2X/2Y ø6/25	-1470	-15949	LU 12	7239	3526	27472	2.5	4.92	1282	-15949	LU 12	7239	3526	27472	2.5	5.65	Si
537	2X/2Y ø6/25	-1470	-16100	LU 12	7258	3526	27492	2.5	4.94	1282	-16100	LU 12	7258	3526	27492	2.5	5.66	Si
508	2X/2Y ø6/25	-1470	-16252	LU 12	7278	3526	27513	2.5	4.95	1282	-16252	LU 12	7278	3526	27513	2.5	5.68	Si
478	2X/2Y ø6/25	-1470	-16404	LU 12	7298	3526	27533	2.5	4.96	1282	-16404	LU 12	7298	3526	27533	2.5	5.69	Si
449	2X/2Y ø6/25	-1470	-16555	LU 12	7318	3526	27554	2.5	4.98	1282	-16555	LU 12	7318	3526	27554	2.5	5.71	Si
420	2X/2Y ø6/25	-1470	-16705	LU 12	7337	3526	27574	2.5	4.99	1282	-16705	LU 12	7337	3526	27574	2.5	5.72	Si
350	2X/2Y ø6/24	-1355	-25544	LU 17	9748	4203	36093	2.5	7.19	103	-27741	LU 12	10039	4203	36394	2.5	97.07	Si
320	2X/2Y ø6/24	-1355	-25738	LU 17	9774	4203	36119	2.5	7.21	103	-27935	LU 12	10064	4203	36420	2.5	97.32	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	-187654	215079	-12857	RA 3	-48.8	-185894	213097	-12543	RA 2	547.8	Si
449	-160157	183058	-12742	RA 3	-40.9	-157094	185281	-14063	RA 9	-460.2	Si
770	147108	-174762	-11461	RA 3	-38.6	143489	-178321	-12781	RA 9	-432.1	Si
478	-132180	150478	-12626	RA 3	-33.1	-129726	152175	-13946	RA 9	-383.1	Si
741	119611	-142741	-11576	RA 3	-30.8	116590	-145782	-12896	RA 9	-356.5	Si
350	88834	-208035	-21134	RA 9	-25	88834	-208035	-21134	RA 9	-319.5	Si
508	-102358	119068	-13829	RA 9	-23.7	-102358	119068	-13829	RA 9	-290.4	Si
320	86608	-179981	-21283	RA 9	-23.5	86608	-179981	-21283	RA 9	-302	Si
290	84344	-151452	-21435	RA 9	-21.9	84344	-151452	-21435	RA 9	-284.2	Si
712	89222	-112676	-13013	RA 9	-21.8	89222	-112676	-13013	RA 9	-268	Si
-10	55689	158055	-21289	RA 8	-20.7	55689	158055	-21289	RA 8	-269.7	Si
260	82081	-122922	-21587	RA 9	-20.3	82081	-122922	-21587	RA 9	-266.3	Si
537	-74989	85962	-13713	RA 9	-19.2	-74989	85962	-13713	RA 9	-240.4	Si
20	57624	127820	-21142	RA 8	-19.1	63943	105683	-22804	RA 9	-252.7	Si
230	79817	-94393	-21739	RA 9	-18.8	79817	-94393	-21739	RA 9	-248.5	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	-163430	203099	-12797	QP 2	-44	Si
449	-139536	173001	-12682	QP 2	-37	Si
770	127469	-163329	-11401	QP 2	-34.5	Si
478	-115225	142378	-12565	QP 2	-30	Si
741	103575	-133231	-11515	QP 2	-27.6	Si
350	80175	-206262	-19032	QP 2	-23.6	Si
320	78175	-177498	-19182	QP 2	-22	Si
508	-90914	111755	-12449	QP 2	-21.6	Si
290	76141	-148247	-19334	QP 2	-20.4	Si
-10	53242	154354	-20138	QP 1	-19.8	Si
712	79264	-102608	-11632	QP 2	-19.6	Si
260	74108	-118997	-19486	QP 2	-18.8	Si
20	55103	124875	-19990	QP 1	-18.3	Si
537	-66603	81132	-12332	QP 2	-17.5	Si
230	72074	-89746	-19637	QP 2	-17.2	Si

Pilastrata (2266; 3521)

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-500	-80	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-545	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-545	-500	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-545	-500	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-545	-500	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	-17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	17.2	1.8	2.540	-500	-10	R 45x45	FeB 32k liscio LC1
p.3	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.6	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.6	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -525 a -22 ricoprimento 3.5 < 4
Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -545 a -500, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -500 a -438.4, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -438.4 a -80, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -80 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-500	18.1	1.8	0	1,2	95937	542940	-42639	309268	1750244	LU 18	3.224	Si
-470	18.1	1.8	0	1,2	95500	479768	-42445	332688	1671336	LU 18	3.484	Si
-440	18.1	1.8	0	1,2	95056	415526	-42247	357803	1564093	LU 18	3.764	Si
-410	18.1	0.9	0	2	94612	351284	-42050	385595	1431675	LU 18	4.076	Si
-80	18.1	0.9	0	2	89733	-354307	-39881	375350	-1482058	LU 18	4.183	Si
770	18.1	1.1	0	6	53745	-310285	-21013	234197	-1352083	LU 18	4.358	Si
-380	18.1	0.9	0	2	94821	284716	-42142	418538	1256736	LU 12	4.414	Si
-10	18.1	1.8	0	2,3,4,5	87986	319524	-39105	389130	1413137	LU 18	4.423	Si
420	18.1	2.3	0	3,4,5,6	-68861	285166	-22828	-310893	1287465	LU 18	4.515	Si
-110	18.1	0.9	0	2	90170	-291136	-40075	407521	-1315787	LU 18	4.519	Si
20	18.1	1.8	0	2,3,4,5	87555	271624	-38913	413612	1283159	LU 18	4.724	Si
-350	18.1	0.9	0	2	94376	221577	-41945	451523	1060085	LU 12	4.784	Si
-140	18.1	0.9	0	2	90614	-226894	-40273	443281	-1109961	LU 18	4.892	Si
350	18.1	0.9	0	3,4,5	82670	-271144	-36742	405100	-1328661	LU 18	4.9	Si
741	18.1	1.1	0	6	43674	-261375	-21162	221179	-1323677	LU 18	5.064	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-1706	-21013	LU 18	7898	3526	28154	2.5	4.63	347	-19140	LU 12	7654	3526	27902	2.5	22.05	Si
741	2X/2Y ø6/25	-1706	-21162	LU 18	7917	3526	28174	2.5	4.64	347	-19289	LU 12	7673	3526	27922	2.5	22.11	Si
712	2X/2Y ø6/25	-1706	-21314	LU 18	7937	3526	28194	2.5	4.65	347	-19441	LU 12	7693	3526	27942	2.5	22.16	Si
683	2X/2Y ø6/25	-1706	-21465	LU 18	7957	3526	28215	2.5	4.66	347	-19593	LU 12	7713	3526	27962	2.5	22.22	Si
653	2X/2Y ø6/25	-1706	-21617	LU 18	7976	3526	28235	2.5	4.67	347	-19744	LU 12	7733	3526	27983	2.5	22.28	Si
624	2X/2Y ø6/25	-1706	-21769	LU 18	7996	3526	28255	2.5	4.69	347	-19896	LU 12	7752	3526	28003	2.5	22.33	Si
595	2X/2Y ø6/25	-1706	-21920	LU 18	8016	3526	28276	2.5	4.7	347	-20048	LU 12	7772	3526	28024	2.5	22.39	Si
566	2X/2Y ø6/25	-1706	-22072	LU 18	8036	3526	28296	2.5	4.71	347	-20199	LU 12	7792	3526	28044	2.5	21.85	Si
537	2X/2Y ø6/25	-1706	-22224	LU 18	8055	3526	28317	2.5	4.72	347	-20351	LU 12	7812	3526	28065	2.5	22.51	Si
508	2X/2Y ø6/25	-1706	-22375	LU 18	8075	3526	28337	2.5	4.73	347	-20503	LU 12	7831	3526	28085	2.5	22.56	Si
478	2X/2Y ø6/25	-1706	-22527	LU 18	8095	3526	28357	2.5	4.74	347	-20654	LU 12	7851	3526	28105	2.5	22.62	Si
449	2X/2Y ø6/25	-1706	-22679	LU 18	8114	3526	28378	2.5	4.76	347	-20806	LU 12	7871	3526	28126	2.5	22.68	Si
420	2X/2Y ø6/25	-1706	-22828	LU 18	8134	3526	28398	2.5	4.77	347	-20955	LU 12	7890	3526	28146	2.5	22.73	Si
-80	2X/2Y ø6/24.7	-2100	-36321	LU 17	11174	4082	37568	2.5	5.32	11	-34736	LU 10	10964	4082	37351	2.5	1039.91	Si
-110	2X/2Y ø6/24.7	-2100	-36516	LU 17	11200	4082	37595	2.5	5.33	11	-34930	LU 10	10990	4082	37378	2.5	1042.35	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-500	3240	414521	-32271	RA 9	-36.3	3240	414521	-32271	RA 9	-466.2	Si
-470	3386	366258	-32122	RA 9	-33.7	3386	366258	-32122	RA 9	-435.8	Si
770	38805	-233556	-15817	RA 9	-32.7	38805	-233556	-15817	RA 9	-382.2	Si
-440	3534	317176	-31970	RA 9	-31	3534	317176	-31970	RA 9	-404.9	Si
420	-49579	215161	-17213	RA 9	-28.7	-49579	215161	-17213	RA 9	-352.6	Si
-410	3682	268094	-31818	RA 9	-28.3	4050	265808	-32012	RA 3	-374.1	Si
-80	5308	-270988	-30150	RA 9	-27.9	5308	-270988	-30150	RA 9	-365.8	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-10	4669	244325	-29563	RA 9	-26.1	4669	244325	-29563	RA 9	-345.3	Si
-380	4168	217461	-31860	RA 3	-25.7	4168	217461	-31860	RA 3	-343.6	Si
449	-42320	178303	-17098	RA 9	-25.4	-42320	178303	-17098	RA 9	-315.9	Si
-110	5163	-222724	-30299	RA 9	-25.3	5163	-222724	-30299	RA 9	-337.2	Si
741	31545	-196699	-15932	RA 9	-25.3	31545	-196699	-15932	RA 9	-312.7	Si
350	26869	-206832	-27745	RA 9	-24.5	26869	-206832	-27745	RA 9	-324.1	Si
20	6469	207739	-29416	RA 9	-24.2	6469	207739	-29416	RA 9	-323.1	Si
-350	4286	169114	-31708	RA 3	-23.1	4286	169114	-31708	RA 3	-313.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-500	5007	398339	-29858	QP 2	-34.5	Si
-470	5212	351868	-29709	QP 2	-32	Si
-440	5420	304610	-29557	QP 2	-29.4	Si
-410	5629	257351	-29405	QP 2	-26.8	Si
-80	7921	-261702	-27737	QP 2	-26.5	Si
-10	7175	234566	-27033	QP 2	-24.7	Si
420	-33553	191571	-15138	QP 2	-24.6	Si
770	26591	-203817	-13742	QP 2	-24.3	Si
-380	5838	210093	-29253	QP 2	-24.3	Si
-110	7716	-215231	-27886	QP 2	-24	Si
20	7966	199573	-26885	QP 2	-22.8	Si
350	16937	-196947	-25215	QP 2	-21.8	Si
449	-28613	159094	-15023	QP 2	-21.8	Si
-350	6046	162835	-29101	QP 2	-21.7	Si
741	21650	-171340	-13857	QP 2	-21.6	Si

Pilastrata (2266; 3796)

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-35	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	770	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -35 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 420, 31.9 > 30.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	226390	700046	-6918	222366	687603	LU 12	0.982	No
449	18.1	2.3	0	2,3,4,5	196857	601767	-6769	230222	703760	LU 12	1.169	Si
770	18.1	1.1	0	5	-133161	-496454	-5104	-186403	-694953	LU 12	1.4	Si
478	18.1	2.3	0	2,3,4,5	169080	498760	-6411	245073	722931	LU 11	1.449	Si
741	18.1	1.1	0	5	-103627	-398174	-5253	-190695	-732722	LU 12	1.84	Si
508	18.1	1.1	0	5	138492	399535	-6260	262967	758630	LU 11	1.899	Si
350	18.1	0.9	0	2,3,4	-129711	-632259	-18715	-267068	-1301782	LU 11	2.059	Si
320	18.1	0.9	0	2,3,4	-132160	-543787	-18909	-344294	-1416633	LU 11	2.605	Si
712	18.1	1.1	0	5	-73579	-298180	-5404	-198328	-803727	LU 12	2.695	Si
537	18.1	1.1	0	5	107905	300310	-6108	293639	817226	LU 11	2.721	Si
290	18.1	0.9	0	2,3,4	-134651	-453816	-19106	-453043	-1526899	LU 11	3.365	Si
-10	18.1	1.8	0	1,2,3,4	-163128	446206	-21292	-559338	1529970	LU 12	3.429	Si
20	18.1	1.8	0	1,2,3,4	-160189	358563	-21100	-672844	1506073	LU 12	4.2	Si
260	18.1	0.9	0	2,3,4	-137141	-363845	-19304	-584831	-1551594	LU 11	4.264	Si
566	18.1	1.1	0	5	77318	201085	-5956	358000	931069	LU 11	4.63	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/25	-3428	-5104	LU 12	5828	3526	26012	2.5	1.7	-1049	-4897	LU 11	5801	3526	25984	2.5	5.53	Si
741	2X/2Y ø6/25	-3428	-5253	LU 12	5847	3526	26032	2.5	1.71	-1049	-5046	LU 11	5820	3526	26004	2.5	5.55	Si
712	2X/2Y ø6/25	-3428	-5404	LU 12	5867	3526	26053	2.5	1.71	-1049	-5198	LU 11	5840	3526	26025	2.5	5.57	Si
683	2X/2Y ø6/25	-3428	-5556	LU 12	5886	3526	26073	2.5	1.72	-1049	-5350	LU 11	5860	3526	26045	2.5	5.59	Si
653	2X/2Y ø6/25	-3428	-5708	LU 12	5906	3526	26093	2.5	1.72	-1049	-5501	LU 11	5879	3526	26066	2.5	5.61	Si
624	2X/2Y ø6/25	-3428	-5859	LU 12	5926	3526	26114	2.5	1.73	-1049	-5653	LU 11	5899	3526	26086	2.5	5.63	Si
595	2X/2Y ø6/25	-3428	-6011	LU 12	5946	3526	26134	2.5	1.73	-1049	-5805	LU 11	5919	3526	26106	2.5	5.64	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
566	2X/2Y ø6/25	-3428	-6163	LU 12	5965	3526	26155	2.5	1.74	-1049	-5956	LU 11	5938	3526	26127	2.5	5.66	Si
537	2X/2Y ø6/25	-3428	-6314	LU 12	5985	3526	26175	2.5	1.75	-1049	-6108	LU 11	5958	3526	26147	2.5	5.68	Si
508	2X/2Y ø6/25	-3428	-6466	LU 12	6005	3526	26195	2.5	1.75	-1049	-6260	LU 11	5978	3526	26168	2.5	5.7	Si
478	2X/2Y ø6/25	-3428	-6618	LU 12	6025	3526	26216	2.5	1.76	-1049	-6411	LU 11	5998	3526	26188	2.5	5.72	Si
449	2X/2Y ø6/25	-3428	-6769	LU 12	6044	3526	26236	2.5	1.76	-1049	-6563	LU 11	6017	3526	26208	2.5	5.74	Si
420	2X/2Y ø6/25	-3428	-6918	LU 12	6064	3526	26256	2.5	1.77	-1049	-6712	LU 11	6037	3526	26229	2.5	5.76	Si
350	2X/2Y ø6/24	-3010	-18929	LU 12	8873	4203	35187	2.5	2.95	131	-15006	LU 9	8354	4203	34650	2.5	63.75	Si
320	2X/2Y ø6/24	-3010	-19123	LU 12	8898	4203	35214	2.5	2.96	131	-15155	LU 9	8373	4203	34671	2.5	63.9	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	172196	526852	-5275	RA 3	-87.5	174422	523827	-5137	RA 2	1957.4	No
449	149699	452828	-5160	RA 3	-75.4	151573	450307	-5022	RA 2	1652.9	Si
478	126811	377513	-5043	RA 3	-63.2	128325	375505	-4906	RA 2	1343.3	Si
770	-101684	-374342	-3879	RA 3	-59	-103756	-371231	-3741	RA 2	1340.2	Si
508	103922	302199	-4927	RA 3	-50.9	105077	300703	-4789	RA 2	1034.2	Si
741	-79188	-300318	-3993	RA 3	-47	-80906	-297712	-3856	RA 2	1023.9	Si
350	-99244	-475760	-13954	RA 2	-53	-99244	-475760	-13954	RA 2	921	Si
537	81829	225902	-4672	RA 2	-38.5	81829	225902	-4672	RA 2	725.9	Si
320	-100778	-409120	-14103	RA 2	-46.7	-100778	-409120	-14103	RA 2	719	Si
712	-56299	-225004	-4110	RA 3	-34.8	-57658	-222910	-3972	RA 2	703.3	Si
-10	-120320	336422	-15914	RA 3	-40.9	-120320	336422	-15914	RA 3	-469.2	Si
290	-102338	-341350	-14255	RA 2	-40.2	-102338	-341350	-14255	RA 2	520.9	Si
20	-118458	270434	-15767	RA 3	-34	-118458	270434	-15767	RA 3	-401.5	Si
260	-103897	-273581	-14407	RA 2	-33.4	-103088	-274429	-14550	RA 3	-389.5	Si
566	58581	151100	-4556	RA 2	-26.1	58581	151100	-4556	RA 2	420.4	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	163990	472957	-5018	QP 2	-79.9	Si
449	142396	406257	-4903	QP 2	-68.9	Si
478	120425	338394	-4787	QP 2	-57.6	Si
770	-98908	-339076	-3622	QP 2	-54.5	Si
350	-96813	-427560	-11943	QP 2	-48.5	Si
508	98454	270530	-4670	QP 2	-46.3	Si
741	-77313	-272376	-3737	QP 2	-43.5	Si
320	-96754	-367359	-12092	QP 2	-42.7	Si
290	-96695	-306137	-12244	QP 2	-36.6	Si
-10	-96104	305056	-13760	QP 2	-36.1	Si
537	76483	202667	-4553	QP 2	-35	Si
712	-55342	-204513	-3853	QP 2	-32.2	Si
260	-96636	-244916	-12396	QP 2	-30.4	Si
20	-96162	245645	-13613	QP 2	-30.1	Si
566	54512	134804	-4437	QP 2	-23.5	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	166971	487491	-5052	FR 2	83268	243112	243112	1816.6	484.7	0.0187	62.06	0.0328	Si	Si
449	145018	418843	-4937	FR 2	84616	244391	244391	1531.4	483.3	0.0187	63.25	0.0282	Si	Si
478	122682	348997	-4821	FR 2	86557	246231	246231	1241.5	481.1	0.0188	61.97	0.0224	Si	Si
770	-100293	-348263	-3656	FR 2	-73219	-254249	-254249	1255.4	437.8	0.0207	57.26	0.0209	Si	Si
508	100346	279151	-4704	FR 2	89524	249045	249045	952.1	477.8	0.0189	61.66	0.0171	Si	Si
741	-78340	-279615	-3771	FR 2	-73012	-260598	-260598	958.4	430	0.021	56.51	0.0158	Si	Si
350	-97507	-441331	-12517	FR 2	-94893	-429501	-429501	882	486.8	0.0186	61.06	0.0157	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	163990	472957	-5018	QP 2	84134	242647	242647	1760.3	485.9	0.0186	62.21	0.0319	Si	No
449	142396	406257	-4903	QP 2	85510	243960	243960	1482.9	484.4	0.0187	63.4	0.0274	Si	Si
478	120425	338394	-4787	QP 2	87492	245852	245852	1200.8	482.1	0.0188	62.11	0.0217	Si	Si
770	-98908	-339076	-3622	QP 2	-74019	-253751	-253751	1221.5	438.1	0.0207	57.34	0.0204	Si	Si
508	98454	270530	-4670	QP 2	90527	248749	248749	919.2	478.6	0.0189	61.79	0.0165	Si	Si
350	-96813	-427560	-11943	QP 2	-96375	-425625	-425625	866.6	490	0.0185	61.41	0.0155	Si	Si
741	-77313	-272376	-3737	QP 2	-73846	-260162	-260162	932.2	430.3	0.021	56.57	0.0154	Si	Si

Pilastrata (3876; 3793)

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -57.2 a -34, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -22, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-310714	-220301	-16074	-902474	-639868	LU 11	2.905	Si
449	18.1	2.3	0	2,3,4,5	-265939	-187074	-15925	-932200	-655754	LU 11	3.505	Si
770	18.1	1.1	0	5	234400	184220	-14259	886245	696518	LU 11	3.781	Si
-10	18.1	1.8	0	1,2,3,4	-315369	-102821	-45698	-1273934	-415346	LU 12	4.04	Si
350	18.1	0.9	0	2,3,4	269014	189200	-43336	1125217	791375	LU 12	4.183	Si
20	18.1	1.8	0	1,2,3,4	-267979	102390	-45507	-1144969	437472	LU 12	4.273	Si
478	18.1	2.3	0	2,3,4,5	-220382	-153267	-15773	-967832	-673089	LU 11	4.392	Si
320	18.1	0.9	0	2,3,4	220994	173278	-43530	984225	771716	LU 12	4.454	Si
50	18.1	1.8	0	1,2,3,4	-218515	101940	-45307	-991731	462656	LU 12	4.539	Si
290	18.1	0.9	0	2,3,4	172160	157086	-43727	814356	743055	LU 12	4.73	Si
80	18.1	0.9	0	2,3,4	-169680	101496	-45109	-817105	488759	LU 12	4.816	Si
741	18.1	1.1	0	5	189625	150993	-14408	916436	729731	LU 11	4.833	Si
260	18.1	0.9	0	2,3,4	123325	140894	-43925	616280	704074	LU 12	4.997	Si
110	18.1	0.9	0	2,3,4	-116888	101186	-44971	-589016	509890	LU 18	5.039	Si
140	18.1	0.9	0	2,3,4	-100741	100741	-44774	-509890	509890	LU 18	5.061	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	1174	-13819	LU 10	6962	3562	27185	2.5	5.93	1562	-14259	LU 11	7019	3562	27244	2.5	4.49	Si
741	2X/2Y ø6/24.8	1174	-13968	LU 10	6981	3562	27205	2.5	5.95	1562	-14408	LU 11	7038	3562	27265	2.5	4.51	Si
712	2X/2Y ø6/24.8	1174	-14120	LU 10	7001	3562	27226	2.5	5.96	1562	-14560	LU 11	7058	3562	27285	2.5	4.52	Si
683	2X/2Y ø6/24.8	1174	-14272	LU 10	7021	3562	27246	2.5	5.98	1562	-14711	LU 11	7078	3562	27305	2.5	4.53	Si
653	2X/2Y ø6/24.8	1174	-14423	LU 10	7040	3562	27267	2.5	6	1562	-14863	LU 11	7097	3562	27326	2.5	4.54	Si
624	2X/2Y ø6/24.8	1174	-14575	LU 10	7060	3562	27287	2.5	6.01	1562	-15015	LU 11	7117	3562	27346	2.5	4.56	Si
595	2X/2Y ø6/24.8	1174	-14727	LU 10	7080	3562	27307	2.5	6.03	1562	-15166	LU 11	7137	3562	27367	2.5	4.57	Si
566	2X/2Y ø6/24.8	1174	-14878	LU 10	7099	3562	27328	2.5	6.05	1562	-15318	LU 11	7157	3562	27387	2.5	4.58	Si
537	2X/2Y ø6/24.8	1174	-15030	LU 10	7119	3562	27348	2.5	6.06	1562	-15470	LU 11	7176	3562	27407	2.5	4.59	Si
508	2X/2Y ø6/24.8	1174	-15182	LU 10	7139	3562	27369	2.5	6.08	1562	-15621	LU 11	7196	3562	27428	2.5	4.61	Si
478	2X/2Y ø6/24.8	1174	-15333	LU 10	7159	3562	27389	2.5	6.1	1562	-15773	LU 11	7216	3562	27448	2.5	4.62	Si
449	2X/2Y ø6/24.8	1174	-15485	LU 10	7178	3562	27409	2.5	6.11	1562	-15925	LU 11	7236	3562	27469	2.5	4.63	Si
420	2X/2Y ø6/24.8	1174	-15634	LU 10	7198	3562	27430	2.5	6.13	1562	-16074	LU 11	7255	3562	27489	2.5	4.64	Si
350	2X/2Y ø6/23.9	525	-38771	LU 13	11498	4223	37904	2.5	21.9	1558	-38251	LU 10	11430	4223	37832	2.5	7.34	Si
320	2X/2Y ø6/23.9	525	-38965	LU 13	11524	4223	37930	2.5	21.95	1558	-38445	LU 10	11455	4223	37859	2.5	7.35	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	-237996	-169776	-12319	RA 2	-49.8	-237996	-169776	-12319	RA 2	591.8	Si
449	-203682	-144173	-12205	RA 2	-41.8	-203893	-144174	-12332	RA 3	-465.4	Si
770	180156	142010	-11051	RA 3	-38.8	180156	142010	-11051	RA 3	-430.4	Si
478	-168769	-118122	-12088	RA 2	-33.9	-168925	-118116	-12216	RA 3	-386.9	Si
350	205437	144892	-32814	RA 3	-33	205437	144892	-32814	RA 3	-428.5	Si
741	145788	116400	-11166	RA 3	-30.9	145788	116400	-11166	RA 3	-353.1	Si
320	168709	132700	-32963	RA 3	-30.4	168709	132700	-32963	RA 3	-399.6	Si
-10	-241526	-3470	-34631	RA 3	-28.1	-241526	-3470	-34631	RA 3	-376	Si
290	131358	120302	-33115	RA 3	-27.8	131358	120302	-33115	RA 3	-370.2	Si
20	-205280	8561	-34484	RA 3	-26.4	-205280	8561	-34484	RA 3	-356	Si
260	94008	107905	-33267	RA 3	-25.3	94008	107905	-33267	RA 3	-340.7	Si
50	-167447	21119	-34330	RA 3	-25	-167447	21119	-34330	RA 3	-339.5	Si
80	-130096	33517	-34178	RA 3	-23.6	-130096	33517	-34178	RA 3	-323.3	Si
508	-130362	-91958	-13099	RA 9	-23.3	-130362	-91958	-13099	RA 9	-285.2	Si
230	56657	95507	-33419	RA 3	-22.7	56657	95507	-33419	RA 3	-311.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	-233377	-171205	-12114	QP 2	-49.4	Si
449	-199648	-145399	-12000	QP 2	-41.5	Si
770	177248	142960	-10718	QP 2	-38.6	Si
478	-165331	-119144	-11883	QP 2	-33.6	Si
350	198566	141812	-30389	QP 2	-31.4	Si
741	143520	117154	-10833	QP 2	-30.8	Si
320	162806	129890	-30538	QP 2	-28.9	Si
-10	-236617	-3279	-32206	QP 2	-26.8	Si
290	126440	117765	-30690	QP 2	-26.4	Si
20	-201326	8487	-32059	QP 2	-25.1	Si
260	90074	105640	-30842	QP 2	-23.9	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
50	-164490	20768	-31905	QP 2	-23.8	Si
508	-131014	-92889	-11766	QP 2	-22.8	Si
80	-128124	32893	-31753	QP 2	-21.8	Si
230	53707	93516	-30993	QP 2	-21.3	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	-234696	-170796	-12173	FR 2	-228061	-165968	-165968	590.4	195	0.0464	38.66	0.0066	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
420	-233377	-171205	-12114	QP 2	-227126	-166619	-166619	589.8	194.9	0.0464	38.67	0.0066	Si	Si

Pilastrata (3876; 3971)

Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-10	350	R 45x45	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	
420	770	R 40x40	No	No	No	No		RCK300 LC2	FeB 32k liscio LC1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	-17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.1	-17.2	17.2	1.8	2.540	-22	-10	R 45x45	FeB 32k liscio LC1
p.2	-17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.2	17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.3	17.2	-17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.4	-17.2	17.2	1.8	2.540	-10	420	R 45x45	FeB 32k liscio LC1
p.5	-12.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	-17.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	17.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1
p.5	-12.2	12.2	1.8	2.540	420	816	R 40x40	FeB 32k liscio LC1

Controlli geometrici NTC08

Anomalie copriferro

Campata da -22 a 408 ricoprimento 3.5 < 4
Campata da 408 a 828 ricoprimento 3.5 < 4

Anomalie barre di parete

La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -57.2 a -34, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -34 a -22, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -22 a -10, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota -10 a 51.6, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 51.6 a 350, 34.4 > 30.
La distanza tra le barre di parete non rispettano la distanza massima ammissibile nel Campo da quota 350 a 396, 32.8 > 30.

Anomalie geometria delle staffe

L'intervallo da quota 396 a 420 presenta staffe fuori dallo spazio consentito.

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
420	18.1	2.3	0	2,3,4,5	-163194	-207560	-18539	-739758	-940868	LU 10	4.533	Si
-10	18.1	1.8	0	1,2,3,4	-198264	-96752	-43001	-958599	-467794	LU 18	4.835	Si
350	18.1	0.9	0	2,3,4	125761	202954	-40638	618690	998451	LU 18	4.92	Si
20	18.1	1.8	0	1,2,3,4	-171987	96321	-42809	-861221	482325	LU 18	5.007	Si
320	18.1	0.9	0	2,3,4	99135	185587	-40832	504665	944767	LU 18	5.091	Si
50	18.1	1.8	0	1,2,3,4	-144560	95871	-42609	-750833	497945	LU 18	5.194	Si
290	18.1	0.9	0	2,3,4	92317	167925	-41030	480450	873939	LU 18	5.204	Si
260	18.1	0.9	0	2,3,4	92761	150263	-41227	491717	796528	LU 18	5.301	Si
449	18.1	2.3	0	2,3,4,5	-142139	-175444	-20309	-757389	-934859	LU 15	5.329	Si
80	18.1	0.9	0	2,3,4	-117483	95427	-42412	-627743	509890	LU 18	5.343	Si
110	18.1	0.9	0	2,3,4	-94983	94983	-42214	-509890	509890	LU 18	5.368	Si
230	18.1	0.9	0	2,3,4	93206	132601	-41425	502588	715021	LU 18	5.392	Si
140	18.1	0.9	0	2,3,4	-94538	94538	-42017	-509890	509890	LU 18	5.393	Si
170	18.1	0.9	0	2,3,4	-94094	97278	-41820	-509890	527142	LU 18	5.419	Si
200	18.1	0.9	0	2,3,4	-93651	114902	-41623	-509890	625592	LU 18	5.445	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
770	2X/2Y ø6/24.8	1105	-16724	LU 10	7340	3562	27576	2.5	6.64	812	-16724	LU 10	7340	3562	27576	2.5	9.04	Si
741	2X/2Y ø6/24.8	1105	-16873	LU 10	7359	3562	27596	2.5	6.66	812	-16873	LU 10	7359	3562	27596	2.5	9.06	Si
712	2X/2Y ø6/24.8	1105	-17025	LU 10	7379	3562	27617	2.5	6.68	812	-17025	LU 10	7379	3562	27617	2.5	9.08	Si
683	2X/2Y ø6/24.8	1105	-17177	LU 10	7398	3562	27637	2.5	6.7	812	-17177	LU 10	7398	3562	27637	2.5	9.11	Si
653	2X/2Y ø6/24.8	1105	-17328	LU 10	7418	3562	27658	2.5	6.72	812	-17328	LU 10	7418	3562	27658	2.5	9.13	Si
624	2X/2Y ø6/24.8	1105	-17480	LU 10	7438	3562	27678	2.5	6.73	812	-17480	LU 10	7438	3562	27678	2.5	9.16	Si
595	2X/2Y ø6/24.8	1105	-17632	LU 10	7458	3562	27698	2.5	6.75	812	-17632	LU 10	7458	3562	27698	2.5	9.18	Si
566	2X/2Y ø6/24.8	1105	-17783	LU 10	7477	3562	27719	2.5	6.77	812	-17783	LU 10	7477	3562	27719	2.5	9.21	Si
537	2X/2Y ø6/24.8	1105	-17935	LU 10	7497	3562	27739	2.5	6.79	812	-17935	LU 10	7497	3562	27739	2.5	9.23	Si
508	2X/2Y ø6/24.8	1105	-18087	LU 10	7517	3562	27760	2.5	6.81	812	-18087	LU 10	7517	3562	27760	2.5	9.25	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
478	2X/2Y ø6/24.8	1105	-18238	LU 10	7537	3562	27780	2.5	6.82	812	-18238	LU 10	7537	3562	27780	2.5	9.28	Si
449	2X/2Y ø6/24.8	1105	-18390	LU 10	7556	3562	27801	2.5	6.84	812	-18390	LU 10	7556	3562	27801	2.5	9.3	Si
420	2X/2Y ø6/24.8	1105	-18539	LU 10	7576	3562	27821	2.5	6.86	812	-18539	LU 10	7576	3562	27821	2.5	9.33	Si
350	2X/2Y ø6/23.9	570	-36241	LU 10	11164	4223	37557	2.5	19.57	1009	-37778	LU 15	11367	4223	37768	2.5	11.27	Si
320	2X/2Y ø6/23.9	570	-36435	LU 10	11189	4223	37584	2.5	19.62	1009	-37972	LU 15	11393	4223	37794	2.5	11.29	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 124.5 daN/cm²
Tensione limite dell'acciaio 1837 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
420	-127219	-159517	-15540	RA 6	-33.3	-127219	-159517	-15540	RA 6	-393.4	Si
350	97673	155491	-30809	RA 9	-26.9	97673	155491	-30809	RA 9	-356	Si
449	-108517	-134710	-15686	RA 8	-26.3	-108517	-134710	-15686	RA 8	-322.9	Si
320	77015	142187	-30959	RA 9	-25.2	77015	142187	-30959	RA 9	-336.2	Si
770	92158	138724	-14405	RA 8	-24.7	92158	138724	-14405	RA 8	-302.6	Si
290	56007	128658	-31110	RA 9	-23.4	56007	128658	-31110	RA 9	-316.1	Si
478	-90245	-109814	-15569	RA 8	-23	-90245	-109814	-15569	RA 8	-287	Si
-10	-168514	-6232	-30942	RA 8	-22.8	-153723	-6411	-32627	RA 9	-311	Si
260	34999	115128	-31262	RA 9	-21.6	34999	115128	-31262	RA 9	-296	Si
741	74200	114254	-14519	RA 8	-21.6	74200	114254	-14519	RA 8	-269.2	Si
20	-133336	6718	-32479	RA 9	-21.6	-133336	6718	-32479	RA 9	-297.8	Si
50	-112057	20422	-32325	RA 9	-21.1	-112057	20422	-32325	RA 9	-292.1	Si
80	-91049	33952	-32174	RA 9	-20.7	-91049	33952	-32174	RA 9	-286.6	Si
110	-70041	47481	-32022	RA 9	-20.2	-70041	47481	-32022	RA 9	-281	Si
230	13991	101599	-31414	RA 9	-19.8	13991	101599	-31414	RA 9	-275.9	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 93.4 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
420	-125534	-159662	-14261	QP 1	-33.2	Si
350	98964	152762	-28600	QP 2	-25.9	Si
449	-107622	-135304	-14146	QP 1	-25.4	Si
320	78073	139702	-28749	QP 2	-24.1	Si
770	92532	136882	-12865	QP 1	-23.7	Si
290	56829	126421	-28901	QP 2	-21.8	Si
478	-89398	-110521	-14029	QP 1	-22.2	Si
-10	-161601	-6089	-29695	QP 1	-21.9	Si
20	-134645	6722	-30270	QP 2	-20.7	Si
741	74620	112524	-12979	QP 1	-20.7	Si
260	35584	113141	-29053	QP 2	-20.6	Si
50	-113127	20175	-30116	QP 2	-20.2	Si
80	-91882	33455	-29964	QP 2	-19.7	Si
110	-70638	46736	-29813	QP 2	-19.2	Si
508	-71174	-85738	-13913	QP 1	-19	Si

2.2 Verifiche travate C.A.

***N°**: indice progressivo della sezione*
***Descrizione**: descrizione della sezione*
***Tipo**: tipo di sezione*
***Base**: base della sezione [cm]*
***Altezza**: altezza della sezione [cm]*
***Copriferro sup.**: distanza del bordo della staffa dalla superficie superiore del getto [cm]*
***Copriferro inf.**: distanza del bordo della staffa dalla superficie inferiore del getto [cm]*
***Copriferro lat.**: distanza del bordo della staffa dalle superfici laterali del getto [cm]*
***x**: distanza da asse appoggio sinistro [cm]*
***A sup.**: area efficace di armatura longitudinale superiore [cm²]*
***C.b. sup.**: distanza dal bordo del baricentro dell'armatura longitudinale superiore [cm]*
***A inf.**: area efficace di armatura longitudinale inferiore [cm²]*
***C.b. inf.**: distanza dal bordo del baricentro dell'armatura longitudinale inferiore [cm]*
***M+ela**: momento flettente desunto dal solutore che tende le fibre inferiori [daN*cm]*
***Comb.**: combinazione*
***M+des**: momento flettente di progetto che tende le fibre inferiori [daN*cm]*
***M+ult**: momento ultimo per trazione delle fibre inferiori [daN*cm]*
***x/d**: rapporto tra posizione asse neutro e altezza utile*
***M-ela**: momento flettente desunto dal solutore che tende le fibre superiori [daN*cm]*
***M-des**: momento flettente di progetto che tende le fibre superiori [daN*cm]*
***M-ult**: momento ultimo per trazione delle fibre superiori [daN*cm]*
***Verifica**: stato di verifica*
***A st**: area di staffe per unità di lunghezza [cm²]*
***A sl**: area di armatura longitudinale tesa per valutazione resistenza taglio in assenza di armature a taglio [cm²]*
***A sag**: area equivalente di barre piegate per unità di lunghezza [cm²]*
***Vela**: taglio elastico [daN]*
***Vdes**: taglio di progetto [daN]*
***Vrd**: resistenza a taglio della sezione senza armature [daN]*
***Vrcd**: sforzo di taglio che produce il cedimento delle bielle [daN]*
***Vrsd**: resistenza a taglio per la presenza delle armature [daN]*
***Vult**: taglio ultimo [daN]*
***cotgθ**: cotg dell'angolo di inclinazione dei puntoni in calcestruzzo*
***Rara**: famiglia di combinazione di verifica*
***Mela**: momento elastico [daN*cm]*
***Mdes**: momento di progetto [daN*cm]*
***σ c**: tensione di compressione nel calcestruzzo [daN/cm²]*
***σ c lim.**: tensione limite di compressione nel calcestruzzo [daN/cm²]*

***σ f.**: tensione di trazione nell'acciaio [daN/cm²]*
***σ f lim.**: tensione limite di trazione nell'acciaio [daN/cm²]*
***Elastica+**: massima freccia a sezione interamente reagente di solo calcestruzzo [cm]*
***Elastica-**: minima freccia a sezione interamente reagente di solo calcestruzzo [cm]*
***Fess.+**: massima freccia a sezione fessurata ed omogeneizzata [cm]*
***Fess.-**: minima freccia a sezione fessurata ed omogeneizzata [cm]*
***Quasi permanente**: famiglia di combinazione di verifica*
***σ FRP**: tensione di trazione nell'FRP [daN/cm²]*
***σ FRP lim.**: tensione limite di trazione nell'FRP [daN/cm²]*
***Fess. viscosa+**: massima freccia a sezione fessurata ed omogeneizzata a viscosità esaurita [cm]*
***Fess. viscosa-**: minima freccia a sezione fessurata ed omogeneizzata a viscosità esaurita [cm]*
***l/f**: rapporto luce su freccia in combinazione quasi permanente*
***Frequente**: famiglia di combinazione di verifica*
***Bordo**: bordo interessato dalla fessura*
***Rara**: famiglia di combinazione per verifica inferiore*
***Dmax**: distanza massima tra le fessure [cm]*
***Esm**: dilatazione media delle barre di armatura*
***Wd**: valore di calcolo di apertura delle fessure [cm]*
***Comb**: combinazione*
***Frequente**: famiglia di combinazione per verifica inferiore*
***Quasi permanente**: famiglia di combinazione per verifica inferiore*

Le unità di misura delle verifiche elencate nel capitolo sono in [cm, daN] ove non espressamente specificato.

Trave a "Falda 3" 1-3

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x40	Rettangolare	40	40	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 1 - 1, sezione R 40x40, asta 1189

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	0	0	0	0	0	LU 18	0	0	0	0	LU 1	-65	0	0	Si
2	0	0	0	0	-6	LU 9	0	0	0	-7	LU 10	-65	0	0	Si
3	0	0	0	0	-22	LU 8	0	0	0	-29	LU 11	-65	0	0	Si
5	7.6	5.4	7.6	5.4	-50	LU 4	0	507498	0.146	-65	LU 11	-65	-507498	0.146	Si
7	7.6	5.4	7.6	5.4						-115	LU 11	-106	-507498	0.146	Si
7	7.6	5.4	7.6	5.4						-146	LU 11	-126	-507498	0.146	Si
9	7.6	5.4	7.6	5.4						-218	LU 11	-161	-507498	0.146	Si
11	7.6	5.4	7.6	5.4						-305	LU 11	-194	-507498	0.146	Si
12	7.6	5.4	7.6	5.4						-406	LU 12	-222	-507498	0.146	Si
14	7.6	5.4	7.6	5.4						-521	LU 12	-248	-507498	0.146	Si
16	7.6	5.4	7.6	5.4						-651	LU 12	-269	-507498	0.146	Si
17	7.6	5.4	7.6	5.4						-795	LU 12	-287	-507498	0.146	Si
18	7.6	5.4	7.6	5.4						-873	LU 12	-295	-507498	0.146	Si
20	7.6	5.4	7.6	5.4						-1038	LU 12	-307	-507498	0.146	Si
22	7.6	5.4	7.6	5.4						-1219	LU 12	-316	-507498	0.146	Si
23	7.6	5.4	7.6	5.4						-1420	LU 18	-322	-507498	0.146	Si
25	7.6	5.4	7.6	5.4						-1679	LU 18	-324	-507498	0.146	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0.202	0	0	0	Ger.	0	-5690	-42330	-14510	-14510	1	Si
2	0.202	0	0	-9	LU 12	-9	-5690	-42330	-14510	-14510	1	Si
3	0.202	0	0	-17	LU 12	-17	-5690	-42330	-14510	-14510	1	Si
5	0.202	0	0	-26	LU 12	-26	-5153	-36615	-12551	-12551	1	Si
7	0	0	0	-35	LU 12	-35	-5153	-36615	0	-5153	1	Si
7	0	0	0	-39	LU 12	-39	-5153	-36615	0	-5153	1	Si
9	0	0	0	-48	LU 12	-48	-5153	-36615	0	-5153	1	Si
11	0	0	0	-56	LU 12	-56	-5153	-36615	0	-5153	1	Si
12	0	0	0	-65	LU 12	-65	-5153	-36615	0	-5153	1	Si
14	0	0	0	-74	LU 12	-74	-5153	-36615	0	-5153	1	Si
16	0	0	0	-82	LU 12	-82	-5153	-36615	0	-5153	1	Si
17	0	0	0	-91	LU 12	-91	-5153	-36615	0	-5153	1	Si
18	0	0	0	-95	LU 12	-95	-5153	-36615	0	-5153	1	Si
20	0	0	0	-104	LU 12	-104	-5153	-36615	0	-5153	1	Si
22	0	0	0	-113	LU 12	-113	-5153	-36615	0	-5153	1	Si
23	0	0	0	-136	LU 18	-136	-5153	-36615	0	-5153	1	Si
25	0	0	0	-176	LU 18	-176	-5153	-36615	0	-5153	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	0	9	0	0	0	0	1837	0	2	0	0	0	0	+∞	Si
2	-6	1	-50	0	0	0	1837	-6	1	-50	0	0	0	+∞	Si
3	-22	2	-50	0	0	0	1837	-22	2	-50	0	0	0	+∞	Si
5	-50	2	-50	0	124.5	0.2	1837	-50	2	-50	0	93.4	0	+∞	Si
7	-89	2	-82	0	124.5	0.3	1837	-89	2	-82	0	93.4	0	+∞	Si
7	-112	2	-97	0	124.5	0.4	1837	-112	2	-97	0	93.4	0	+∞	Si
9	-168	2	-124	0	124.5	0.5	1837	-168	2	-124	0	93.4	0	+∞	Si
11	-234	2	-149	0	124.5	0.6	1837	-234	2	-149	0	93.4	0	+∞	Si
12	-312	3	-171	0	124.5	0.7	1837	-312	2	-171	0	93.4	0	+∞	Si
14	-401	3	-190	0	124.5	0.8	1837	-401	2	-190	0	93.4	0	+∞	Si
16	-501	3	-207	0	124.5	0.9	1837	-501	2	-207	0	93.4	0	+∞	Si
17	-612	3	-221	0	124.5	0.9	1837	-612	2	-221	0	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
18	-671	3	-227	0	124.5	1	1837	-671	2	-227	0	93.4	0	+∞	Si
20	-799	3	-236	0	124.5	1	1837	-799	2	-236	0	93.4	0	+∞	Si
22	-937	3	-243	0	124.5	1	1837	-937	2	-243	0	93.4	0	+∞	Si
23	-1092	9	-247	0	124.5	1.1	1837	-1091	2	-247	0	93.4	0	+∞	Si
25	-1291	9	-249	0	124.5	1.1	1837	-1287	2	-249	0	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	-0.002	-0.003	0.001	0	-0.002	-0.002	0.001	0.001	-0.002	-0.002	0.002	1	0.001	1	9999	Si
2	-0.002	-0.002	0.001	0	-0.002	-0.002	0.001	0	-0.002	-0.002	0.001	1	0.001	1	9999	Si
3	-0.002	-0.002	0.001	0	-0.002	-0.002	0.001	0	-0.002	-0.002	0.001	1	0.001	1	9999	Si
5	-0.002	-0.002	0.001	0	-0.002	-0.002	0.001	0	-0.002	-0.002	0.001	1	0.001	1	9999	Si
7	-0.002	-0.002	0.001	0	-0.002	-0.002	0	0	-0.002	-0.002	0.001	1	0.001	1	9999	Si
7	-0.002	-0.002	0.001	0	-0.002	-0.002	0	0	-0.002	-0.002	0.001	1	0.001	1	9999	Si
9	-0.002	-0.002	0	0	-0.002	-0.002	0	0	-0.002	-0.002	0.001	1	0.001	1	9999	Si
11	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0.001	1	0.001	1	9999	Si
12	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0.001	1	0.001	1	9999	Si
14	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0.001	1	0.001	1	9999	Si
16	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0.001	1	0	1	9999	Si
17	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	1	0	1	9999	Si
18	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	1	0	1	9999	Si
20	0	-0.001	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
22	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Campata 2 tra i fili 1 - 2, sezione R 40x40, asta 1190

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-246545	LU 18	-206007	-507498	0.146	Si
20	7.6	5.4	7.6	5.4						-171298	LU 12	-171298	-507498	0.146	Si
41	7.6	5.4	7.6	5.4						-103231	LU 12	-153013	-507498	0.146	Si
61	7.6	5.4	7.6	5.4	-24386	LU 8	3820	507498	0.146	-46726	LU 11	-88967	-507498	0.146	Si
82	7.6	5.4	7.6	5.4	14357	LU 17	42817	507498	0.146	-2377	LU 2	-34987	-507498	0.146	Si
92	7.6	5.4	7.6	5.4	33935	LU 17	58652	507498	0.146	13305	LU 2	-11659	-507498	0.146	Si
113	7.6	5.4	7.6	5.4	65698	LU 17	91615	507498	0.146						Si
133	7.6	5.4	7.6	5.4	87602	LU 17	113797	507498	0.146						Si
154	7.6	5.4	7.6	5.4	100408	LU 18	121190	507498	0.146						Si
174	7.6	5.4	7.6	5.4	104769	LU 18	113796	507498	0.146						Si
195	7.6	5.4	7.6	5.4	99271	LU 18	104039	507498	0.146						Si
215	7.6	5.4	7.6	5.4	85056	LU 12	96170	507498	0.146						Si
225	7.6	5.4	7.6	5.4	75229	LU 12	88952	507498	0.146						Si
246	7.6	5.4	7.6	5.4	49415	LU 11	69385	507498	0.146	23922	LU 8	-1109	-507498	0.146	Si
266	7.6	5.4	7.6	5.4	15914	LU 2	41735	507498	0.146	-10328	LU 17	-49257	-507498	0.146	Si
287	7.6	5.4	7.6	5.4	-17481	LU 2	7768	507498	0.146	-63814	LU 17	-63814	-507498	0.146	Si
307	7.6	5.4	7.6	5.4						-124259	LU 17	-91719	-507498	0.146	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4060	LU 18	4060	6579	36615	0	6579	1	Si
20	0.06	7.6	0	3591	LU 18	3591	6579	36615	3739	6579	1	Si
41	0.06	7.6	0	3098	LU 18	3098	6579	36615	3739	6579	1	Si
61	0.06	7.6	0	2617	LU 18	2617	6579	36615	3739	6579	1	Si
82	0.06	7.6	0	2136	LU 18	2136	6579	36615	3739	6579	1	Si
92	0.06	7.6	0	1896	LU 18	1896	6579	36615	3739	6579	1	Si
113	0.06	7.6	0	1420	LU 12	1420	6579	36615	3739	6579	1	Si
133	0.06	7.6	0	967	LU 12	967	6579	36615	3739	6579	1	Si
154	0.06	7.6	0	521	LU 11	521	6579	36615	3739	6579	1	Si
174	0.06	7.6	0	99	LU 2	99	6579	36615	3739	6579	1	Si
174	0.06	7.6	0	-134	LU 17	-134	-6579	-36615	-3739	-6579	1	Si
195	0.06	7.6	0	-615	LU 17	-615	-6579	-36615	-3739	-6579	1	Si
215	0.06	7.6	0	-1096	LU 17	-1096	-6579	-36615	-3739	-6579	1	Si
225	0.06	7.6	0	-1336	LU 17	-1336	-6579	-36615	-3739	-6579	1	Si
246	0.06	7.6	0	-1817	LU 17	-1817	-6579	-36615	-3739	-6579	1	Si
266	0.06	7.6	0	-2298	LU 17	-2298	-6579	-36615	-3739	-6579	1	Si
287	0.06	7.6	0	-2791	LU 17	-2791	-6579	-36615	-3739	-6579	1	Si
307	0	7.6	0	-3260	LU 17	-3260	-6579	-36615	0	-6579	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-186729	9	-155963	19.2	124.5	667.8	1837	-172184	2	-143828	17.7	93.4	0	+∞	Si
20	-129516	3	-129516	16	124.5	554.6	1837	-118717	2	-118717	14.6	93.4	0	+∞	Si
41	-77669	3	-115586	14.3	124.5	494.9	1837	-69564	2	-105499	13	93.4	0	+∞	Si
61	-34621	2	-66811	8.2	124.5	286.1	1837	-28607	2	-59299	7.3	93.4	0	+∞	Si
82	10559	8	32275	4	124.5	138.2	1837	7406	1	27973	3.5	93.4	0	+∞	Si
92	25495	8	44366	5.5	124.5	190	1837	21535	1	39482	4.9	93.4	0	+∞	Si
113	49748	8	62927	7.8	124.5	269.4	1837	44618	1	57322	7.1	93.4	0	+∞	Si
133	66508	8	74156	9.1	124.5	317.5	1837	60798	1	68329	8.4	93.4	0	+∞	Si
154	76282	9	79182	9.8	124.5	339	1837	70295	2	72987	9	93.4	0	+∞	Si
174	79507	9	79507	9.8	124.5	340.4	1837	73293	2	73293	9	93.4	0	+∞	Si
195	75238	9	78930	9.7	124.5	338	1837	69390	2	72770	9	93.4	0	+∞	Si
215	64238	3	72860	9	124.5	312	1837	58585	2	67207	8.3	93.4	0	+∞	Si
225	56580	3	67290	8.3	124.5	288.1	1837	50594	2	61837	7.6	93.4	0	+∞	Si
246	36467	2	52040	6.4	124.5	222.8	1837	29437	2	45921	5.7	93.4	0	+∞	Si
266	9857	2	30482	3.8	124.5	130.5	1837	1377	2	23104	2.9	93.4	0	+∞	Si
266	-7186	8	-36687	4.5	124.5	157.1	1837	-2257	1	-28867	3.6	93.4	0	+∞	Si
287	-47720	8	-47720	5.9	124.5	204.3	1837	-38833	1	-38833	4.8	93.4	0	+∞	Si
307	-93549	8	-68873	8.5	124.5	294.9	1837	-80323	1	-57956	7.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
41	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
61	0.003	0.002	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	1	0.005	1	9999	Si
82	0.005	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	1	0.008	1	9999	Si
92	0.006	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	1	0.01	1	9999	Si
113	0.007	0.006	0.006	0.005	0.007	0.006	0.005	0.005	0.007	0.007	0.013	1	0.013	1	9999	Si
133	0.008	0.008	0.006	0.006	0.008	0.008	0.006	0.006	0.008	0.008	0.015	2	0.015	2	9999	Si
154	0.009	0.008	0.007	0.006	0.008	0.008	0.007	0.006	0.008	0.008	0.016	2	0.016	2	9999	Si
174	0.009	0.008	0.007	0.007	0.009	0.008	0.007	0.007	0.008	0.008	0.017	2	0.017	2	9999	Si
195	0.009	0.008	0.007	0.006	0.008	0.008	0.006	0.006	0.008	0.008	0.016	2	0.016	2	9999	Si
215	0.008	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.014	2	0.014	2	9999	Si
225	0.007	0.006	0.006	0.005	0.007	0.006	0.005	0.005	0.007	0.006	0.013	2	0.013	2	9999	Si
246	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.01	2	9999	Si
266	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
287	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si

Campata 3 tra i fili 2 - 3, sezione R 40x40, asta 1191

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-198021	LU 17	-157151	-507498	0.146	Si
20	7.6	5.4	7.6	5.4						-120562	LU 17	-120562	-507498	0.146	Si
24	7.6	5.4	7.6	5.4						-103926	LU 17	-120562	-507498	0.146	Si
49	7.6	5.4	7.6	5.4	1284	LU 2	34705	507498	0.146	-23912	LU 17	-73479	-507498	0.146	Si
73	7.6	5.4	7.6	5.4	54191	LU 11	84237	507498	0.146	32148	LU 8	-77	-507498	0.146	Si
98	7.6	5.4	7.6	5.4	100178	LU 18	124396	507498	0.146						Si
110	7.6	5.4	7.6	5.4	119983	LU 18	139727	507498	0.146						Si
135	7.6	5.4	7.6	5.4	149032	LU 18	159828	507498	0.146						Si
159	7.6	5.4	7.6	5.4	164001	LU 18	166485	507498	0.146						Si
184	7.6	5.4	7.6	5.4	164889	LU 18	177045	507498	0.146						Si
208	7.6	5.4	7.6	5.4	152959	LU 17	166484	507498	0.146						Si
233	7.6	5.4	7.6	5.4	127366	LU 17	144914	507498	0.146						Si
257	7.6	5.4	7.6	5.4	87694	LU 17	114189	507498	0.146						Si
282	7.6	5.4	7.6	5.4	33940	LU 17	69384	507498	0.146	12082	LU 2	-21784	-507498	0.146	Si
294	7.6	5.4	7.6	5.4	2319	LU 8	41701	507498	0.146	-12531	LU 11	-56796	-507498	0.146	Si
318	7.6	5.4	7.6	5.4						-84540	LU 12	-138510	-507498	0.146	Si
343	7.6	5.4	7.6	5.4						-172554	LU 18	-191141	-507498	0.146	Si
347	7.6	5.4	7.6	5.4						-191141	LU 18	-191141	-507498	0.146	Si
367	7.6	5.4	7.6	5.4						-277222	LU 18	-232065	-507498	0.146	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4128	LU 17	4128	6579	36615	0	6579	1	Si
20	0.061	7.6	0	3659	LU 17	3659	6579	36615	3817	6579	1	Si
24	0.061	7.6	0	3553	LU 17	3553	6579	36615	3817	6579	1	Si
49	0.061	7.6	0	2979	LU 17	2979	6579	36615	3817	6579	1	Si
73	0.061	7.6	0	2404	LU 17	2404	6579	36615	3817	6579	1	Si
98	0.061	7.6	0	1829	LU 17	1829	6579	36615	3817	6579	1	Si
110	0.061	7.6	0	1542	LU 17	1542	6579	36615	3817	6579	1	Si
135	0.061	7.6	0	967	LU 17	967	6579	36615	3817	6579	1	Si
159	0.061	7.6	0	392	LU 17	392	6579	36615	3817	6579	1	Si
184	0.061	7.6	0	-303	LU 11	-303	-6579	-36615	-3817	-6579	1	Si
208	0.061	7.6	0	-836	LU 12	-836	-6579	-36615	-3817	-6579	1	Si
233	0.061	7.6	0	-1401	LU 18	-1401	-6579	-36615	-3817	-6579	1	Si
257	0.061	7.6	0	-1975	LU 18	-1975	-6579	-36615	-3817	-6579	1	Si
282	0.061	7.6	0	-2550	LU 18	-2550	-6579	-36615	-3817	-6579	1	Si
294	0.061	7.6	0	-2837	LU 18	-2837	-6579	-36615	-3817	-6579	1	Si
318	0.061	7.6	0	-3412	LU 18	-3412	-6579	-36615	-3817	-6579	1	Si
343	0.061	7.6	0	-3987	LU 18	-3987	-6579	-36615	-3817	-6579	1	Si
347	0.061	7.6	0	-4092	LU 18	-4092	-6579	-36615	-3817	-6579	1	Si
367	0	7.6	0	-4519	LU 18	-4519	-6579	-36615	0	-6579	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-149744	8	-118721	14.6	124.5	508.3	1837	-132969	1	-104652	12.9	93.4	0	+∞	Si
20	-90953	8	-90953	11.2	124.5	389.4	1837	-79332	1	-79332	9.8	93.4	0	+∞	Si
24	-78327	8	-90953	11.2	124.5	389.4	1837	-67818	1	-79332	9.8	93.4	0	+∞	Si
49	-17611	8	-55221	6.8	124.5	236.4	1837	-12525	1	-46766	5.8	93.4	0	+∞	Si
73	40515	2	63681	7.9	124.5	272.7	1837	35192	2	58394	7.2	93.4	0	+∞	Si
98	75917	9	94362	11.6	124.5	404	1837	70289	2	87226	10.8	93.4	0	+∞	Si
110	90999	9	106043	13.1	124.5	454.1	1837	84140	2	97946	12.1	93.4	0	+∞	Si
135	113138	9	121381	15	124.5	519.7	1837	104450	2	111991	13.8	93.4	0	+∞	Si
159	124574	9	126280	15.6	124.5	540.7	1837	114902	2	116431	14.4	93.4	0	+∞	Si
184	125310	9	126280	15.6	124.5	540.7	1837	115495	2	116431	14.4	93.4	0	+∞	Si
208	116185	8	122781	15.1	124.5	525.7	1837	106592	1	113072	13.9	93.4	0	+∞	Si
233	96638	8	110035	13.6	124.5	471.1	1837	87949	1	100695	11.8	93.4	0	+∞	Si
257	66389	8	86587	10.7	124.5	370.7	1837	59449	1	78459	9.7	93.4	0	+∞	Si
282	25439	8	52438	6.5	124.5	224.5	1837	21090	1	46366	5.7	93.4	0	+∞	Si
294	951	8	31351	3.9	124.5	134.2	1837								Si
294	-8592	2	-42486	5.2	124.5	181.9	1837	-3828	2	-37010	4.6	93.4	0	+∞	Si
318	-63685	3	-104883	12.9	124.5	449.1	1837	-57454	2	-96901	12	93.4	0	+∞	Si
343	-130761	9	-144876	17.9	124.5	620.3	1837	-120939	2	-133957	16.5	93.4	0	+∞	Si
347	-144876	9	-144876	17.9	124.5	620.3	1837	-133957	2	-133957	16.5	93.4	0	+∞	Si
367	-210250	9	-175954	21.7	124.5	753.4	1837	-194248	2	-162620	20.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
24	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
49	0.008	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.015	2	9999	Si
73	0.012	0.011	0.01	0.009	0.011	0.011	0.009	0.009	0.011	0.011	0.023	2	0.023	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
98	0.016	0.015	0.013	0.012	0.015	0.015	0.012	0.012	0.015	0.015	0.031	2	0.031	2	9999	Si
110	0.018	0.016	0.015	0.014	0.017	0.016	0.014	0.014	0.016	0.016	0.034	2	0.034	2	9999	Si
135	0.02	0.019	0.017	0.016	0.019	0.019	0.016	0.016	0.019	0.019	0.04	2	0.039	2	9296	Si
159	0.022	0.02	0.018	0.017	0.02	0.02	0.017	0.017	0.02	0.02	0.042	2	0.042	2	8663	Si
171	0.022	0.02	0.019	0.017	0.021	0.02	0.017	0.017	0.02	0.02	0.043	2	0.043	2	8560	Si
184	0.022	0.02	0.018	0.017	0.021	0.02	0.017	0.017	0.02	0.02	0.043	2	0.043	2	8586	Si
208	0.021	0.019	0.018	0.016	0.02	0.019	0.016	0.016	0.019	0.019	0.041	1	0.041	1	9032	Si
233	0.019	0.017	0.016	0.014	0.018	0.017	0.015	0.014	0.017	0.017	0.036	1	0.036	1	9999	Si
257	0.016	0.014	0.013	0.012	0.015	0.014	0.012	0.012	0.015	0.014	0.03	1	0.03	1	9999	Si
282	0.012	0.011	0.01	0.009	0.011	0.011	0.009	0.009	0.011	0.011	0.022	1	0.022	1	9999	Si
294	0.01	0.009	0.008	0.007	0.009	0.009	0.007	0.007	0.009	0.009	0.018	1	0.018	1	9999	Si
318	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	1	0.01	1	9999	Si
343	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
347	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	1	0.003	1	9999	Si

Trave a "Falda 3" 8-1

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x40	Rettangolare	40	40	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 8 - 1, sezione R 40x40, asta 1235

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-158793	LU 14	-123995	-507498	0.146	Si
23	7.6	5.4	7.6	5.4						-112564	LU 14	-110785	-507498	0.146	Si
30	7.6	5.4	7.6	5.4						-102159	LU 14	-102159	-507498	0.146	Si
47	7.6	5.4	7.6	5.4						-78474	LU 14	-100447	-507498	0.146	Si
70	7.6	5.4	7.6	5.4						-48979	LU 14	-68411	-507498	0.146	Si
93	7.6	5.4	7.6	5.4	-15091	LU 1	7469	507498	0.146	-22479	LU 14	-39913	-507498	0.146	Si
105	7.6	5.4	7.6	5.4	-5774	LU 1	14977	507498	0.146	-10352	LU 14	-26787	-507498	0.146	Si
128	7.6	5.4	7.6	5.4	14472	LU 10	27389	507498	0.146	8136	LU 9	-2821	-507498	0.146	Si
152	7.6	5.4	7.6	5.4	33456	LU 10	44375	507498	0.146						Si
175	7.6	5.4	7.6	5.4	49446	LU 10	58366	507498	0.146						Si
198	7.6	5.4	7.6	5.4	62441	LU 10	69363	507498	0.146						Si
222	7.6	5.4	7.6	5.4	72441	LU 10	77366	507498	0.146						Si
245	7.6	5.4	7.6	5.4	79448	LU 10	82374	507498	0.146						Si
268	7.6	5.4	7.6	5.4	83460	LU 10	84388	507498	0.146						Si
280	7.6	5.4	7.6	5.4	84343	LU 10	84477	507498	0.146						Si
303	7.6	5.4	7.6	5.4	83863	LU 10	84477	507498	0.146						Si
327	7.6	5.4	7.6	5.4	80389	LU 10	82956	507498	0.146						Si
330	7.6	5.4	7.6	5.4	79572	LU 10	82567	507498	0.146						Si
350	7.6	5.4	7.6	5.4	73920	LU 10	73920	507498	0.146						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2136	LU 17	2136	6579	36615	0	6579	1	Si
23	0	7.6	0	1625	LU 17	1625	6579	36615	0	6579	1	Si
30	0.126	7.6	0	1457	LU 13	1457	6579	36615	7814	7814	1	Si
47	0.126	7.6	0	1257	LU 13	1257	6579	36615	7814	7814	1	Si
70	0.126	7.6	0	1136	LU 13	1136	6579	36615	7814	7814	1	Si
93	0.11	7.6	0	1014	LU 13	1014	6579	36615	6819	6819	1	Si
105	0.11	7.6	0	954	LU 13	954	6579	36615	6819	6819	1	Si
128	0.11	7.6	0	832	LU 13	832	6579	36615	6819	6819	1	Si
152	0.11	7.6	0	711	LU 13	711	6579	36615	6819	6819	1	Si
175	0.11	7.6	0	590	LU 13	590	6579	36615	6819	6819	1	Si
198	0.11	7.6	0	468	LU 13	468	6579	36615	6819	6819	1	Si
222	0.11	7.6	0	347	LU 13	347	6579	36615	6819	6819	1	Si
245	0.11	7.6	0	226	LU 13	226	6579	36615	6819	6819	1	Si
268	0.11	7.6	0	104	LU 13	104	6579	36615	6819	6819	1	Si
280	0.11	7.6	0	44	LU 13	44	6579	36615	6819	6819	1	Si
303	0.075	7.6	0	-89	LU 16	-89	-6579	-36615	-4688	-6579	1	Si
327	0.075	7.6	0	-211	LU 16	-211	-6579	-36615	-4688	-6579	1	Si
330	0.075	7.6	0	-228	LU 16	-228	-6579	-36615	-4688	-6579	1	Si
350	0	7.6	0	-332	LU 16	-332	-6579	-36615	0	-6579	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-121596	5	-95029	11.7	124.5	406.9	1837	-118243	2	-92989	11.5	93.4	0	+∞	Si
23	-86253	5	-84890	10.5	124.5	363.5	1837	-84325	2	-82994	10.2	93.4	0	+∞	Si
30	-78268	5	-78268	9.7	124.5	335.1	1837	-76467	2	-76467	9.4	93.4	0	+∞	Si
47	-60065	5	-76955	9.5	124.5	329.5	1837	-58374	2	-75174	9.3	93.4	0	+∞	Si
70	-37380	5	-52326	6.5	124.5	224	1837	-35719	2	-50645	6.2	93.4	0	+∞	Si
93	-16998	5	-30407	3.8	124.5	130.2	1837	-15367	2	-28756	3.5	93.4	0	+∞	Si
105	-7671	5	-20312	2.5	124.5	87	1837	-6055	2	-18675	2.3	93.4	0	+∞	Si
128	11132	1	21068	2.6	124.5	90.2	1837	11132	1	21068	2.6	93.4	0	+∞	Si
152	25735	1	34134	4.2	124.5	146.2	1837	25735	1	34134	4.2	93.4	0	+∞	Si
175	38035	1	44897	5.5	124.5	192.2	1837	38035	1	44897	5.5	93.4	0	+∞	Si
198	48031	1	53356	6.6	124.5	228.5	1837	48031	1	53356	6.6	93.4	0	+∞	Si
222	55724	1	59512	7.3	124.5	254.8	1837	55724	1	59512	7.3	93.4	0	+∞	Si
245	61114	1	63365	7.8	124.5	271.3	1837	61114	1	63365	7.8	93.4	0	+∞	Si
268	64200	1	64914	8	124.5	277.9	1837	64200	1	64914	8	93.4	0	+∞	Si
280	64879	1	64982	8	124.5	278.2	1837	64879	1	64982	8	93.4	0	+∞	Si
303	64510	1	64982	8	124.5	278.2	1837	64510	1	64982	8	93.4	0	+∞	Si
327	61838	1	63812	7.9	124.5	273.2	1837	61838	1	63812	7.9	93.4	0	+∞	Si
330	61209	1	63513	7.8	124.5	271.9	1837	61209	1	63513	7.8	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
350	56862	1	56862	7	124.5	243.5	1837	56862	1	56862	7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
30	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
47	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
70	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
93	0.003	0.002	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	1	0.005	1	9999	Si
105	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.007	1	0.007	1	9999	Si
128	0.005	0.004	0.004	0.003	0.005	0.005	0.004	0.004	0.005	0.005	0.01	1	0.01	1	9999	Si
152	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	1	0.013	1	9999	Si
175	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	1	0.015	1	9999	Si
198	0.008	0.008	0.007	0.006	0.008	0.008	0.007	0.007	0.008	0.008	0.017	1	0.017	1	9999	Si
222	0.009	0.008	0.007	0.007	0.009	0.008	0.007	0.007	0.009	0.008	0.018	1	0.017	1	9999	Si
245	0.008	0.008	0.007	0.006	0.008	0.008	0.007	0.007	0.008	0.008	0.017	1	0.017	1	9999	Si
268	0.008	0.007	0.006	0.006	0.008	0.007	0.006	0.006	0.008	0.007	0.016	1	0.016	1	9999	Si
280	0.007	0.006	0.006	0.005	0.007	0.007	0.006	0.006	0.007	0.007	0.014	1	0.014	1	9999	Si
303	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	1	0.011	1	9999	Si
327	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
330	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si

Trave a "Falda 3" 9-2

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x40	Rettangolare	40	40	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 9 - 2, sezione R 40x40, aste 1141, 1142

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-150375	LU 12	-128500	-507498	0.146	Si
20	7.6	5.4	7.6	5.4						-112472	LU 11	-112472	-507498	0.146	Si
23	7.6	5.4	7.6	5.4						-107472	LU 11	-112472	-507498	0.146	Si
46	7.6	5.4	7.6	5.4						-72941	LU 11	-95950	-507498	0.146	Si
69	7.6	5.4	7.6	5.4						-41718	LU 12	-62618	-507498	0.146	Si
92	7.6	5.4	7.6	5.4	3069	LU 10	18711	507498	0.146	-14174	LU 3	-32358	-507498	0.146	Si
104	7.6	5.4	7.6	5.4	14814	LU 10	29450	507498	0.146	-3841	LU 3	-18338	-507498	0.146	Si
127	7.6	5.4	7.6	5.4	36067	LU 10	48703	507498	0.146						Si
150	7.6	5.4	7.6	5.4	54388	LU 10	65069	507498	0.146						Si
173	7.6	5.4	7.6	5.4	69822	LU 10	78550	507498	0.146						Si
196	7.6	5.4	7.6	5.4	82371	LU 10	89145	507498	0.146						Si
219	7.6	5.4	7.6	5.4	92034	LU 10	97026	507498	0.146						Si
242	7.6	5.4	7.6	5.4	99813	LU 11	104422	507498	0.146						Si
253	7.6	5.4	7.6	5.4	103405	LU 11	107038	507498	0.146						Si
276	7.6	5.4	7.6	5.4	108426	LU 11	110105	507498	0.146						Si
299	7.6	5.4	7.6	5.4	110562	LU 11	110562	507498	0.146						Si
322	7.6	5.4	7.6	5.4	109811	LU 11	110552	507498	0.146						Si
325	7.6	5.4	7.6	5.4	109519	LU 11	110548	507498	0.146						Si
345	7.6	5.4	7.6	5.4	106174	LU 11	106174	507498	0.146						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2014	LU 18	2014	6579	36615	0	6579	1	Si
20	0.063	7.6	0	1613	LU 12	1613	6579	36615	3894	6579	1	Si
23	0.063	7.6	0	1558	LU 12	1558	6579	36615	3894	6579	1	Si
46	0.063	7.6	0	1344	LU 11	1344	6579	36615	3894	6579	1	Si
69	0.063	7.6	0	1224	LU 11	1224	6579	36615	3894	6579	1	Si
92	0.063	7.6	0	1104	LU 11	1104	6579	36615	3894	6579	1	Si
104	0.063	7.6	0	1045	LU 11	1045	6579	36615	3894	6579	1	Si
127	0.063	7.6	0	925	LU 11	925	6579	36615	3894	6579	1	Si
150	0.063	7.6	0	805	LU 11	805	6579	36615	3894	6579	1	Si
173	0.063	7.6	0	686	LU 11	686	6579	36615	3894	6579	1	Si
196	0.063	7.6	0	566	LU 11	566	6579	36615	3894	6579	1	Si
219	0.063	7.6	0	447	LU 11	447	6579	36615	3894	6579	1	Si
242	0.063	7.6	0	327	LU 11	327	6579	36615	3894	6579	1	Si
253	0.063	7.6	0	267	LU 11	267	6579	36615	3894	6579	1	Si
276	0.063	7.6	0	148	LU 11	148	6579	36615	3894	6579	1	Si
299	0.063	7.6	0	47	LU 2	47	6579	36615	3894	6579	1	Si
299	0.063	7.6	0	-99	LU 17	-99	-6579	-36615	-3894	-6579	1	Si
322	0.063	7.6	0	-218	LU 17	-218	-6579	-36615	-3894	-6579	1	Si
325	0.063	7.6	0	-234	LU 17	-234	-6579	-36615	-3894	-6579	1	Si
345	0	7.6	0	-338	LU 17	-338	-6579	-36615	0	-6579	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-112839	3	-96182	11.9	124.5	411.8	1837	-99850	2	-84054	10.4	93.4	0	+∞	Si
20	-83967	2	-83967	10.4	124.5	359.5	1837	-72365	2	-72365	8.9	93.4	0	+∞	Si
23	-80157	2	-83967	10.4	124.5	359.5	1837	-68718	2	-72365	8.9	93.4	0	+∞	Si
46	-53871	2	-71383	8.8	124.5	305.6	1837	-43691	2	-60352	7.4	93.4	0	+∞	Si
69	-30129	3	-46020	5.7	124.5	197	1837	-21198	2	-36245	4.5	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
92	2360	1	14393	1.8	124.5	61.6	1837	2360	1	14393	1.8	93.4	0	+∞	Si
92	-8663	3	-23015	2.8	124.5	98.5	1837	-926	2	-14470	1.8	93.4	0	+∞	Si
104	11395	1	22654	2.8	124.5	97	1837	11395	1	22654	2.8	93.4	0	+∞	Si
127	27744	1	37463	4.6	124.5	160.4	1837	27744	1	37463	4.6	93.4	0	+∞	Si
150	41837	1	50053	6.2	124.5	214.3	1837	41837	1	50053	6.2	93.4	0	+∞	Si
173	53709	1	60423	7.5	124.5	258.7	1837	53709	1	60423	7.5	93.4	0	+∞	Si
196	63362	1	68573	8.5	124.5	293.6	1837	63362	1	68573	8.5	93.4	0	+∞	Si
219	70795	1	74615	9.2	124.5	319.5	1837	70795	1	74522	9.2	93.4	0	+∞	Si
242	76670	2	80028	9.9	124.5	342.7	1837	76171	2	78679	9.7	93.4	0	+∞	Si
253	79295	2	81902	10.1	124.5	350.7	1837	78169	2	79925	9.9	93.4	0	+∞	Si
276	82881	2	83985	10.4	124.5	359.6	1837	80499	2	80831	10	93.4	0	+∞	Si
299	84248	2	84248	10.4	124.5	360.7	1837	80609	2	80831	10	93.4	0	+∞	Si
322	83394	2	84151	10.4	124.5	360.3	1837	78499	2	80106	9.9	93.4	0	+∞	Si
325	83133	2	84112	10.4	124.5	360.2	1837	78074	2	79903	9.9	93.4	0	+∞	Si
345	80320	2	80320	9.9	124.5	343.9	1837	74169	2	74169	9.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0.001	0.001	1	0.001	1	9999	Si
23	0.001	0	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	1	0.001	1	9999	Si
46	0.002	0.001	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
69	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.003	0.004	0.004	0.008	1	0.007	1	9999	Si
92	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.006	0.012	1	0.011	1	9999	Si
104	0.007	0.005	0.006	0.004	0.007	0.006	0.006	0.005	0.007	0.006	0.014	1	0.013	1	9999	Si
127	0.009	0.007	0.007	0.006	0.009	0.008	0.007	0.007	0.009	0.008	0.018	1	0.017	1	9999	Si
150	0.01	0.009	0.008	0.007	0.01	0.01	0.008	0.008	0.01	0.01	0.021	1	0.02	1	9999	Si
173	0.011	0.01	0.009	0.008	0.011	0.011	0.009	0.009	0.011	0.011	0.024	1	0.023	1	9999	Si
196	0.012	0.011	0.01	0.009	0.012	0.011	0.01	0.01	0.012	0.012	0.025	1	0.024	1	9999	Si
207	0.012	0.011	0.01	0.009	0.012	0.012	0.01	0.01	0.012	0.012	0.025	1	0.025	1	9999	Si
219	0.012	0.011	0.01	0.009	0.012	0.012	0.01	0.01	0.012	0.012	0.025	1	0.025	1	9999	Si
242	0.011	0.011	0.01	0.009	0.011	0.011	0.01	0.009	0.011	0.011	0.024	1	0.024	1	9999	Si
253	0.011	0.01	0.009	0.009	0.011	0.011	0.009	0.009	0.011	0.011	0.023	1	0.023	1	9999	Si
276	0.009	0.009	0.008	0.007	0.009	0.009	0.008	0.008	0.009	0.009	0.019	1	0.019	1	9999	Si
299	0.007	0.007	0.006	0.005	0.007	0.007	0.006	0.006	0.007	0.007	0.014	1	0.014	1	9999	Si
322	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	1	0.008	1	9999	Si
325	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	1	0.007	1	9999	Si

Trave a "Falda 3" 10-3

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x40	Rettangolare	40	40	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 10 - 3, sezione R 40x40, aste 1193, 1192

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-156907	LU 10	-127042	-507498	0.146	Si
20	7.6	5.4	7.6	5.4						-108955	LU 10	-108955	-507498	0.146	Si
23	7.6	5.4	7.6	5.4						-103500	LU 10	-108955	-507498	0.146	Si
46	7.6	5.4	7.6	5.4						-69994	LU 10	-92259	-507498	0.146	Si
69	7.6	5.4	7.6	5.4						-39911	LU 10	-60047	-507498	0.146	Si
92	7.6	5.4	7.6	5.4	-5081	LU 9	10279	507498	0.146	-12689	LU 10	-30881	-507498	0.146	Si
103	7.6	5.4	7.6	5.4	4039	LU 9	19038	507498	0.146	-185	LU 10	-17377	-507498	0.146	Si
126	7.6	5.4	7.6	5.4	25877	LU 18	38997	507498	0.146						Si
149	7.6	5.4	7.6	5.4	44919	LU 18	56117	507498	0.146						Si
172	7.6	5.4	7.6	5.4	61122	LU 18	70619	507498	0.146						Si
195	7.6	5.4	7.6	5.4	74966	LU 11	82983	507498	0.146						Si
218	7.6	5.4	7.6	5.4	86465	LU 11	92491	507498	0.146						Si
241	7.6	5.4	7.6	5.4	95028	LU 11	99132	507498	0.146						Si
253	7.6	5.4	7.6	5.4	98245	LU 11	101388	507498	0.146						Si
276	7.6	5.4	7.6	5.4	102550	LU 11	103772	507498	0.146						Si
299	7.6	5.4	7.6	5.4	104016	LU 11	104016	507498	0.146						Si
322	7.6	5.4	7.6	5.4	102644	LU 11	103802	507498	0.146						Si
325	7.6	5.4	7.6	5.4	102266	LU 11	103716	507498	0.146						Si
345	7.6	5.4	7.6	5.4	98432	LU 11	98432	507498	0.146						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3046	LU 17	3046	6579	36615	0	6579	1	Si
20	0.063	7.6	0	1890	LU 17	1890	6579	36615	3894	6579	1	Si
23	0.063	7.6	0	1698	LU 17	1698	6579	36615	3894	6579	1	Si
46	0.063	7.6	0	1306	LU 10	1306	6579	36615	3894	6579	1	Si
69	0.063	7.6	0	1187	LU 10	1187	6579	36615	3894	6579	1	Si
92	0.063	7.6	0	1069	LU 10	1069	6579	36615	3894	6579	1	Si
103	0.063	7.6	0	1009	LU 10	1009	6579	36615	3894	6579	1	Si
126	0.063	7.6	0	891	LU 10	891	6579	36615	3894	6579	1	Si
149	0.063	7.6	0	772	LU 10	772	6579	36615	3894	6579	1	Si
172	0.063	7.6	0	654	LU 10	654	6579	36615	3894	6579	1	Si
195	0.063	7.6	0	535	LU 10	535	6579	36615	3894	6579	1	Si
218	0.063	7.6	0	417	LU 10	417	6579	36615	3894	6579	1	Si
241	0.063	7.6	0	298	LU 10	298	6579	36615	3894	6579	1	Si
253	0.063	7.6	0	239	LU 10	239	6579	36615	3894	6579	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
276	0.063	7.6	0	120	LU 10	120	6579	36615	3894	6579	1	Si
299	0.063	7.6	0	2	LU 10	2	6579	36615	3894	6579	1	Si
299	0.063	7.6	0	-40	LU 9	-40	-6579	-36615	-3894	-6579	1	Si
322	0.063	7.6	0	-158	LU 18	-158	-6579	-36615	-3894	-6579	1	Si
325	0.063	7.6	0	-173	LU 18	-173	-6579	-36615	-3894	-6579	1	Si
345	0	7.6	0	-277	LU 18	-277	-6579	-36615	0	-6579	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-120698	1	-97724	12.1	124.5	418.4	1837	-120698	1	-97724	12.1	93.4	0	+∞	Si
20	-83812	1	-83812	10.3	124.5	358.9	1837	-83812	1	-83812	10.3	93.4	0	+∞	Si
23	-79616	1	-83812	10.3	124.5	358.9	1837	-79616	1	-83812	10.3	93.4	0	+∞	Si
46	-53842	1	-70968	8.8	124.5	303.9	1837	-53842	1	-70968	8.8	93.4	0	+∞	Si
69	-30701	1	-46190	5.7	124.5	197.8	1837	-30701	1	-46190	5.7	93.4	0	+∞	Si
92	-9761	1	-23755	2.9	124.5	101.7	1837	-9761	1	-23755	2.9	93.4	0	+∞	Si
103	2645	9	14285	1.8	124.5	61.2	1837	3	2	12091	1.5	93.4	0	+∞	Si
103	-143	1	-13367	1.6	124.5	57.2	1837	-143	1	-13367	1.6	93.4	0	+∞	Si
126	19579	9	29740	3.7	124.5	127.3	1837	17599	2	28209	3.5	93.4	0	+∞	Si
149	34329	9	43012	5.3	124.5	184.2	1837	33011	2	42143	5.2	93.4	0	+∞	Si
172	46895	9	54247	6.7	124.5	232.3	1837	46240	2	53893	6.6	93.4	0	+∞	Si
195	57598	2	63765	7.9	124.5	273	1837	57285	2	63457	7.8	93.4	0	+∞	Si
218	66444	2	71081	8.8	124.5	304.4	1837	66138	2	70779	8.7	93.4	0	+∞	Si
241	73033	2	76191	9.4	124.5	326.2	1837	72733	2	75896	9.4	93.4	0	+∞	Si
253	75508	2	77927	9.6	124.5	333.7	1837	75212	2	77635	9.6	93.4	0	+∞	Si
276	78821	2	79762	9.8	124.5	341.5	1837	78531	2	79477	9.8	93.4	0	+∞	Si
299	79950	2	79950	9.9	124.5	342.3	1837	79667	2	79667	9.8	93.4	0	+∞	Si
322	78896	2	79786	9.8	124.5	341.6	1837	78619	2	79505	9.8	93.4	0	+∞	Si
325	78606	2	79720	9.8	124.5	341.3	1837	78330	2	79440	9.8	93.4	0	+∞	Si
345	75658	2	75658	9.3	124.5	324	1837	75388	2	75388	9.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
46	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
69	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.005	2	9999	Si
92	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
103	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.01	2	9999	Si
126	0.007	0.007	0.006	0.005	0.007	0.007	0.005	0.005	0.007	0.007	0.014	2	0.014	2	9999	Si
149	0.008	0.008	0.007	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.017	2	0.017	2	9999	Si
172	0.009	0.009	0.008	0.008	0.009	0.009	0.008	0.008	0.009	0.009	0.02	2	0.02	2	9999	Si
195	0.01	0.01	0.009	0.008	0.01	0.01	0.009	0.008	0.01	0.01	0.021	2	0.021	2	9999	Si
218	0.01	0.01	0.009	0.009	0.01	0.01	0.009	0.009	0.01	0.01	0.022	2	0.022	2	9999	Si
241	0.01	0.01	0.009	0.008	0.01	0.01	0.008	0.008	0.01	0.01	0.021	2	0.021	2	9999	Si
253	0.01	0.009	0.008	0.008	0.01	0.01	0.008	0.008	0.01	0.01	0.02	2	0.02	2	9999	Si
276	0.008	0.008	0.007	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.018	2	0.018	2	9999	Si
299	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.013	2	9999	Si
322	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
325	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si

Trave a "Piano 1" 1-3

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 1 - 2, sezione R 45x70, asta 1021

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-228884	LU 12	-159282	-970824	0.078	Si
20	7.6	5.4	11.4	5.4						-108536	LU 12	-108258	-970824	0.078	Si
23	7.6	5.4	11.4	5.4	-57128	LU 1	48710	1422093	0.084	-97817	LU 12	-97817	-970824	0.078	Si
41	7.6	5.4	11.4	5.4	1490	LU 10	125485	1422093	0.084	-3801	LU 9	-97817	-970824	0.078	Si
61	7.6	5.4	11.4	5.4	91487	LU 11	197482	1422093	0.084	55263	LU 4	-45167	-970824	0.078	Si
82	7.6	5.4	11.4	5.4	169322	LU 11	255778	1422093	0.084						Si
92	7.6	5.4	11.4	5.4	203002	LU 11	279864	1422093	0.084						Si
113	7.6	5.4	11.4	5.4	260205	LU 12	317560	1422093	0.084						Si
133	7.6	5.4	11.4	5.4	303739	LU 12	341288	1422093	0.084						Si
154	7.6	5.4	11.4	5.4	333307	LU 12	351048	1422093	0.084						Si
164	7.6	5.4	11.4	5.4	342852	LU 12	351468	1422093	0.084						Si
174	7.6	5.4	11.4	5.4	348906	LU 12	351468	1422093	0.084						Si
195	7.6	5.4	11.4	5.4	350537	LU 12	351468	1422093	0.084						Si
215	7.6	5.4	11.4	5.4	338199	LU 12	351315	1422093	0.084						Si
225	7.6	5.4	11.4	5.4	326792	LU 12	349812	1422093	0.084						Si
246	7.6	5.4	11.4	5.4	293500	LU 12	336330	1422093	0.084						Si
266	7.6	5.4	11.4	5.4	248127	LU 18	308878	1422093	0.084						Si
285	7.6	5.4	11.4	5.4	198749	LU 18	272299	1422093	0.084						Si
287	7.6	5.4	11.4	5.4	193059	LU 18	193059	1422093	0.084						Si
307	7.6	5.4	11.4	5.4	138185	LU 17	138185	1422093	0.084						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	6210	LU 12	6210	9541	76908	0	9541	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
20	0	7.6	0	5530	LU 12	5530	9541	76908	0	9541	1	Si
23	0.172	7.6	0	5464	LU 12	5464	9541	76908	20007	20007	1	Si
41	0.172	7.6	0	4849	LU 12	4849	9541	76908	20007	20007	1	Si
61	0.172	11.4	0	4168	LU 12	4168	10922	76908	20007	20007	1	Si
82	0.172	11.4	0	3486	LU 12	3486	10922	76908	20007	20007	1	Si
92	0.172	11.4	0	3146	LU 12	3146	10922	76908	20007	20007	1	Si
113	0.156	11.4	0	2464	LU 12	2464	10922	76908	18102	18102	1	Si
133	0.156	11.4	0	1783	LU 12	1783	10922	76908	18102	18102	1	Si
154	0.156	11.4	0	1116	LU 18	1116	10922	76908	18102	18102	1	Si
174	0.156	11.4	0	527	LU 17	527	10922	76908	18102	18102	1	Si
195	0.156	11.4	0	20	LU 8	20	10922	76908	18102	18102	1	Si
195	0.156	11.4	0	-291	LU 11	-291	-10922	-76908	-18102	-18102	1	Si
215	0.158	11.4	0	-973	LU 11	-973	-10922	-76908	-18340	-18340	1	Si
225	0.158	11.4	0	-1313	LU 11	-1313	-10922	-76908	-18340	-18340	1	Si
246	0.158	11.4	0	-1995	LU 11	-1995	-10922	-76908	-18340	-18340	1	Si
266	0.158	11.4	0	-2676	LU 11	-2676	-10922	-76908	-18340	-18340	1	Si
285	0.158	11.4	0	-3291	LU 11	-3291	-10922	-76908	-18340	-18340	1	Si
287	0	11.4	0	-3358	LU 11	-3358	-10922	-76908	0	-10922	1	Si
307	0	11.4	0	-4039	LU 11	-4039	-10922	-76908	0	-10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-170813	3	-118789	2.7	124.5	41.2	1837	-146306	2	-101244	4.1	93.4	0	+∞	Si
20	-80844	3	-80636	1.8	124.5	28	1837	-68318	2	-68135	2.7	93.4	0	+∞	Si
23	-72828	3	-72828	1.6	124.5	25.3	1837	-61359	2	-61359	2.5	93.4	0	+∞	Si
41	1146	1	94160	3.4	124.5	140.2	1837	1146	1	83390	3	93.4	0	+∞	Si
41	-2152	9	-72828	1.6	124.5	25.3	1837								Si
61	68686	2	148143	5.4	124.5	220.6	1837	61002	2	131007	4.8	93.4	0	+∞	Si
82	127020	2	191895	7	124.5	285.7	1837	112334	2	169737	6.2	93.4	0	+∞	Si
92	152284	2	209984	7.6	124.5	312.6	1837	134667	2	185770	6.7	93.4	0	+∞	Si
113	195216	3	238355	8.7	124.5	354.9	1837	172670	2	211171	7.7	93.4	0	+∞	Si
133	227939	3	256316	9.3	124.5	381.6	1837	201786	2	227685	8.3	93.4	0	+∞	Si
154	250252	3	263867	9.6	124.5	392.9	1837	222015	2	235312	8.5	93.4	0	+∞	Si
174	262155	3	264203	9.6	124.5	393.4	1837	233357	2	235812	8.6	93.4	0	+∞	Si
195	263648	3	264203	9.6	124.5	393.4	1837	235812	2	235812	8.6	93.4	0	+∞	Si
215	254731	3	264112	9.6	124.5	393.2	1837	229379	2	235812	8.6	93.4	0	+∞	Si
225	246368	3	263131	9.6	124.5	391.8	1837	222830	2	235467	8.5	93.4	0	+∞	Si
246	221834	3	253360	9.2	124.5	377.2	1837	203065	2	228306	8.3	93.4	0	+∞	Si
266	188148	9	233179	8.5	124.5	347.2	1837	174413	2	212257	7.7	93.4	0	+∞	Si
285	151163	9	206168	7.5	124.5	307	1837	140751	2	190263	6.9	93.4	0	+∞	Si
287	146901	9	146901	5.3	124.5	218.7	1837	136871	2	136871	5	93.4	0	+∞	Si
307	104685	8	104685	3.8	124.5	155.9	1837	94209	1	94209	3.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
23	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
41	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
61	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.006	2	9999	Si
82	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
92	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.009	2	9999	Si
113	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
133	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
154	0.007	0.006	0.006	0.005	0.007	0.006	0.005	0.005	0.006	0.006	0.013	2	0.013	2	9999	Si
164	0.007	0.006	0.006	0.005	0.007	0.006	0.005	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
174	0.007	0.006	0.006	0.005	0.007	0.006	0.005	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
195	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
215	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.012	2	0.011	2	9999	Si
225	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
246	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si
266	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
285	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
287	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si

Campata 2 tra i fili 2 - 3, sezione R 45x70, asta 1022

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	211384	LU 17	211384	1422093	0.084						Si
23	7.6	5.4	11.4	5.4	269939	LU 17	348229	1422093	0.084						Si
49	7.6	5.4	11.4	5.4	342198	LU 18	404582	1422093	0.084						Si
73	7.6	5.4	11.4	5.4	397084	LU 12	436067	1422093	0.084						Si
98	7.6	5.4	11.4	5.4	432292	LU 12	447593	1422093	0.084						Si
110	7.6	5.4	11.4	5.4	442411	LU 12	447680	1422093	0.084						Si
135	7.6	5.4	11.4	5.4	447680	LU 12	447680	1422093	0.084						Si
159	7.6	5.4	11.4	5.4	432989	LU 12	447680	1422093	0.084						Si
184	7.6	5.4	11.4	5.4	398338	LU 12	436660	1422093	0.084						Si
208	7.6	5.4	11.4	5.4	343725	LU 12	405732	1422093	0.084						Si
233	7.6	5.4	11.4	5.4	269632	LU 11	354843	1422093	0.084						Si
257	7.6	5.4	11.4	5.4	175771	LU 11	284347	1422093	0.084	87153	LU 8	-3746	-970824	0.078	Si
282	7.6	5.4	11.4	5.4	61946	LU 11	194210	1422093	0.084	11932	LU 8	-118338	-970824	0.078	Si
294	7.6	5.4	11.4	5.4	4514	LU 2	141655	1422093	0.084	-37059	LU 17	-184079	-970824	0.078	Si
318	7.6	5.4	11.4	5.4	-111996	LU 2	23948	1422093	0.084	-157196	LU 17	-328135	-970824	0.078	Si
345	7.6	5.4	11.4	5.4						-328135	LU 12	-328135	-970824	0.078	Si
367	7.6	5.4	11.4	5.4						-497872	LU 12	-408964	-970824	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	4316	LU 11	4316	10922	76908	0	10922	1	Si
23	0.144	11.4	0	3568	LU 11	3568	10922	76908	16673	16673	1	Si
49	0.144	11.4	0	2687	LU 11	2687	10922	76908	16673	16673	1	Si
73	0.144	11.4	0	1872	LU 11	1872	10922	76908	16673	16673	1	Si
98	0.149	11.4	0	1057	LU 11	1057	10922	76908	17267	17267	1	Si
110	0.149	11.4	0	650	LU 11	650	10922	76908	17267	17267	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
135	0.149	11.4	0	-533	LU 17	-533	-10922	-76908	-17267	-17267	1	Si
159	0.149	11.4	0	-1157	LU 17	-1157	-10922	-76908	-17267	-17267	1	Si
184	0.149	11.4	0	-1847	LU 18	-1847	-10922	-76908	-17267	-17267	1	Si
208	0.149	11.4	0	-2636	LU 12	-2636	-10922	-76908	-17267	-17267	1	Si
233	0.149	11.4	0	-3451	LU 12	-3451	-10922	-76908	-17267	-17267	1	Si
257	0.149	11.4	0	-4266	LU 12	-4266	-10922	-76908	-17267	-17267	1	Si
282	0.172	11.4	0	-5081	LU 12	-5081	-10922	-76908	-20007	-20007	1	Si
294	0.172	7.6	0	-5488	LU 12	-5488	-9541	-76908	-20007	-20007	1	Si
318	0.172	7.6	0	-6303	LU 12	-6303	-9541	-76908	-20007	-20007	1	Si
345	0.172	7.6	0	-7185	LU 12	-7185	-9541	-76908	-20007	-20007	1	Si
367	0	7.6	0	-7933	LU 12	-7933	-9541	-76908	0	-9541	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	160846	8	160846	5.8	124.5	239.5	1837	149425	1	149425	5.4	93.4	0	+∞	Si
23	206077	8	264343	9.6	124.5	393.6	1837	195880	1	247397	9	93.4	0	+∞	Si
49	259907	9	305515	11.1	124.5	454.9	1837	243812	2	278814	10.1	93.4	0	+∞	Si
73	300070	3	328216	11.9	124.5	488.7	1837	274809	2	294745	10.7	93.4	0	+∞	Si
98	325545	3	336146	12.2	124.5	500.5	1837	293108	2	298708	10.8	93.4	0	+∞	Si
110	332705	3	336146	12.2	124.5	500.5	1837	297495	2	298708	10.8	93.4	0	+∞	Si
135	335869	3	336146	12.2	124.5	500.5	1837	296747	2	298708	10.8	93.4	0	+∞	Si
159	324157	3	335972	12.2	124.5	500.2	1837	283299	2	297479	10.8	93.4	0	+∞	Si
184	297569	3	327035	11.9	124.5	486.9	1837	257152	2	286400	10.4	93.4	0	+∞	Si
208	256105	3	303223	11	124.5	451.5	1837	218306	2	262622	9.5	93.4	0	+∞	Si
233	200085	2	264533	9.6	124.5	393.9	1837	166759	2	226144	8.2	93.4	0	+∞	Si
257	129317	2	211204	7.7	124.5	314.5	1837	102511	2	176966	6.4	93.4	0	+∞	Si
282	43671	2	143211	5.2	124.5	213.2	1837	25562	2	115087	4.2	93.4	0	+∞	Si
294	-27803	8	-140412	3.2	124.5	48.7	1837	-23223	1	-133362	5.4	93.4	0	+∞	Si
318	-120011	8	-248869	5.6	124.5	86.3	1837	-114098	1	-232033	9.3	93.4	0	+∞	Si
345	-248869	3	-248869	5.6	124.5	86.3	1837	-232033	2	-232033	9.3	93.4	0	+∞	Si
367	-376069	3	-309458	7	124.5	107.3	1837	-343788	2	-285341	11.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
49	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
73	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.015	2	9999	Si
98	0.01	0.008	0.008	0.007	0.009	0.008	0.007	0.007	0.009	0.008	0.019	2	0.018	2	9999	Si
110	0.01	0.009	0.009	0.007	0.009	0.009	0.008	0.007	0.009	0.009	0.02	2	0.019	2	9999	Si
135	0.011	0.009	0.009	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.021	2	0.02	2	9999	Si
159	0.012	0.009	0.01	0.008	0.011	0.009	0.009	0.008	0.01	0.009	0.022	2	0.02	2	9999	Si
184	0.011	0.009	0.009	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.021	2	0.02	2	9999	Si
208	0.011	0.009	0.009	0.007	0.01	0.009	0.008	0.007	0.009	0.009	0.019	2	0.018	2	9999	Si
233	0.009	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.017	2	0.016	2	9999	Si
257	0.008	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.014	2	0.013	2	9999	Si
282	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.01	2	9999	Si
294	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
318	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.005	2	9999	Si
345	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Trave a "Piano 1" 4A-14

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - 4, sezione R 45x70, asta 982

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4						-126142	LU 18	-80000	-1422094	0.084	Si
23	11.4	5.4	11.4	5.4	-16642	LU 1	81795	1422094	0.084	-36142	LU 18	-36142	-1422094	0.084	Si
31	11.4	5.4	11.4	5.4	9449	LU 10	112670	1422094	0.084	-4614	LU 9	-36142	-1422094	0.084	Si
62	10.58	5.4	11.4	5.4	120140	LU 11	216912	1422094	0.084						Si
93	9.11	5.4	11.4	5.4	223713	LU 11	311210	1422093	0.084						Si
125	7.6	5.4	11.4	5.4	317341	LU 11	395944	1422093	0.084						Si
140	7.6	5.4	11.4	5.4	360499	LU 12	434749	1422093	0.084						Si
171	7.6	5.4	10.13	5.4	439925	LU 12	504899	1271041	0.081						Si
203	7.6	5.4	7.6	5.4	509406	LU 12	565106	970067	0.076						Si
234	7.6	5.4	7.6	5.4	568944	LU 12	615368	970067	0.076						Si
265	7.6	5.4	7.6	5.4	618537	LU 12	655685	970067	0.076						Si
296	7.6	5.4	7.6	5.4	658185	LU 12	686059	970067	0.076						Si
327	7.6	5.4	7.6	5.4	687890	LU 12	706488	970067	0.076						Si
343	7.6	5.4	7.6	5.4	699013	LU 12	712973	970067	0.076						Si
374	7.6	5.4	7.6	5.4	713801	LU 12	718486	970067	0.076						Si
390	7.6	5.4	7.6	5.4	717466	LU 12	718645	970067	0.076						Si
405	7.6	5.4	12.66	5.4	718645	LU 12	718645	1571785	0.086						Si
436	7.6	5.4	15.21	5.4	713544	LU 12	718469	1873491	0.092						Si
445	7.6	5.4	15.21	5.4	710052	LU 12	717742	1873491	0.092						Si
467	7.6	5.4	15.21	5.4	698499	LU 12	698499	1873491	0.092						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.58	0	4144	LU 12	4144	10651	76908	0	10651	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
23	0.069	9.11	0	3913	LU 12	3913	10133	76908	8011	10133	1	Si
31	0.069	11.4	0	3825	LU 12	3825	10922	76908	8011	10922	1	Si
62	0.069	11.4	0	3506	LU 12	3506	10922	76908	8011	10922	1	Si
93	0.069	11.18	0	3187	LU 12	3187	10851	76908	8011	10851	1	Si
125	0.069	7.6	0	2867	LU 12	2867	9541	76908	8011	9541	1	Si
140	0.069	7.6	0	2708	LU 12	2708	9541	76908	8011	9541	1	Si
171	0.069	7.6	0	2389	LU 12	2389	9541	76908	8011	9541	1	Si
203	0.069	7.6	0	2070	LU 12	2070	9541	76908	8011	9541	1	Si
234	0.069	7.6	0	1751	LU 12	1751	9541	76908	8011	9541	1	Si
265	0.069	7.6	0	1432	LU 12	1432	9541	76908	8011	9541	1	Si
296	0.069	7.6	0	1113	LU 12	1113	9541	76908	8011	9541	1	Si
327	0.069	7.6	0	794	LU 12	794	9541	76908	8011	9541	1	Si
343	0.069	7.6	0	634	LU 12	634	9541	76908	8011	9541	1	Si
374	0.069	7.6	0	316	LU 3	316	9541	76908	8011	9541	1	Si
374	0.069	7.6	0	-3	LU 10	-3	-9541	-76908	-8011	-9541	1	Si
405	0.069	7.6	0	70	LU 3	70	9541	76908	8011	9541	1	Si
405	0.069	7.6	0	-322	LU 10	-322	-9541	-76908	-8011	-9541	1	Si
436	0.069	7.6	0	-641	LU 10	-641	-9541	-76908	-8011	-9541	1	Si
445	0.069	7.6	0	-730	LU 10	-730	-9541	-76908	-8011	-9541	1	Si
467	0	12.66	0	-960	LU 10	-960	-11310	-76908	0	-11310	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-94845	9	-59701	2.1	124.5	88.6	1837	-83034	2	-49497	1.7	93.4	0	+∞	Si
23	-26314	9	-26314	0.9	124.5	39.1	1837	-17719	2	-17719	0.6	93.4	0	+∞	Si
31	7269	1	86080	3	124.5	127.8	1837	7269	1	83397	2.9	93.4	0	+∞	Si
31	-653	9	-26314	0.9	124.5	39.1	1837								Si
62	91762	2	165323	5.8	124.5	245.5	1837	88791	2	158350	5.5	93.4	0	+∞	Si
93	170491	2	236917	8.4	124.5	352.3	1837	163229	2	225653	8	93.4	0	+∞	Si
125	241570	2	301115	10.9	124.5	448.3	1837	230018	2	285307	10.4	93.4	0	+∞	Si
140	274289	3	330457	12	124.5	492	1837	260543	2	312265	11.3	93.4	0	+∞	Si
171	334370	3	383402	14.5	124.5	639.8	1837	315858	2	360445	13.7	93.4	0	+∞	Si
203	386801	3	428699	10.1	124.5	151.4	1837	363523	2	400975	17	93.4	0	+∞	Si
234	431583	3	466346	11	124.5	164.7	1837	403538	2	433856	18.3	93.4	0	+∞	Si
265	468715	3	496343	11.7	124.5	175.3	1837	435904	2	459087	19.4	93.4	0	+∞	Si
296	498198	3	518691	12.2	124.5	183.2	1837	460621	2	476668	20.2	93.4	0	+∞	Si
327	520031	3	533390	12.6	124.5	188.4	1837	477688	2	486601	20.6	93.4	0	+∞	Si
343	528079	3	537870	12.7	124.5	190	1837	483353	2	488698	20.7	93.4	0	+∞	Si
374	538439	3	541095	12.7	124.5	191.2	1837	488946	2	488946	20.7	93.4	0	+∞	Si
405	541148	3	541148	18.9	124.5	728.4	1837	486889	2	488936	17.1	93.4	0	+∞	Si
436	536209	3	540945	17.7	124.5	610.8	1837	477183	2	486365	15.9	93.4	0	+∞	Si
445	533240	3	540103	17.7	124.5	609.8	1837	472889	2	484198	15.9	93.4	0	+∞	Si
467	523619	3	523619	17.2	124.5	591.2	1837	459828	2	459828	15.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.008	2	0.008	2	9999	Si
31	0.005	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
62	0.01	0.009	0.009	0.009	0.01	0.009	0.009	0.009	0.01	0.009	0.023	2	0.022	2	9999	Si
93	0.015	0.014	0.014	0.013	0.015	0.014	0.013	0.013	0.014	0.014	0.034	2	0.033	2	9999	Si
125	0.02	0.018	0.018	0.016	0.019	0.018	0.017	0.016	0.019	0.018	0.044	2	0.043	2	9999	Si
140	0.022	0.02	0.02	0.018	0.021	0.02	0.019	0.018	0.02	0.02	0.049	2	0.047	2	9627	Si
171	0.025	0.023	0.023	0.021	0.024	0.023	0.022	0.021	0.024	0.023	0.056	2	0.055	2	8302	Si
203	0.028	0.025	0.025	0.023	0.027	0.025	0.024	0.023	0.026	0.025	0.062	2	0.06	2	7529	Si
234	0.03	0.027	0.027	0.024	0.028	0.027	0.026	0.024	0.027	0.027	0.066	2	0.064	2	7132	Si
265	0.03	0.027	0.027	0.025	0.028	0.027	0.026	0.025	0.028	0.027	0.066	2	0.064	2	7038	Si
296	0.029	0.026	0.027	0.024	0.028	0.026	0.025	0.024	0.027	0.026	0.065	2	0.062	2	7248	Si
327	0.027	0.024	0.025	0.022	0.025	0.024	0.023	0.022	0.025	0.024	0.06	2	0.058	2	7839	Si
343	0.025	0.023	0.023	0.021	0.024	0.023	0.022	0.021	0.023	0.023	0.056	2	0.054	2	8339	Si
374	0.021	0.019	0.019	0.017	0.02	0.019	0.018	0.017	0.019	0.019	0.047	2	0.045	2	9999	Si
405	0.015	0.014	0.014	0.013	0.015	0.014	0.013	0.013	0.014	0.014	0.034	2	0.033	2	9999	Si
436	0.008	0.007	0.008	0.007	0.008	0.007	0.007	0.007	0.008	0.007	0.018	2	0.018	2	9999	Si
445	0.006	0.005	0.006	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.014	2	0.013	2	9999	Si

Campata 2 tra i fili 4 - 5, sezione R 45x70, asta 983

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	814158	LU 12	785374	1873491	0.092						Si
20	7.6	5.4	15.21	5.4	761574	LU 12	761072	1873491	0.092						Si
23	7.6	5.4	15.21	5.4	754098	LU 12	754098	1873491	0.092						Si
40	7.6	5.4	15.21	5.4	704962	LU 12	754098	1873491	0.092						Si
59	7.6	5.4	15.21	5.4	644324	LU 12	731796	1873491	0.092						Si
79	7.6	5.4	15.21	5.4	579658	LU 12	673033	1873491	0.092						Si
89	7.6	5.4	14.57	5.4	545816	LU 12	642141	1798309	0.091						Si
109	7.6	5.4	11.9	5.4	475109	LU 12	577338	1481131	0.085						Si
119	7.6	5.4	7.6	5.4	438246	LU 12	543426	970067	0.076						Si
129	7.6	5.4	7.6	5.4	400376	LU 12	508507	970067	0.076						Si
149	7.6	5.4	7.6	5.4	321616	LU 12	435649	970067	0.076						Si
169	7.6	5.4	7.6	5.4	241027	LU 18	358765	970067	0.076						Si
188	7.6	5.4	7.6	5.4	157364	LU 18	278583	970067	0.076						Si
208	11.01	5.4	7.6	5.4	69769	LU 17	196796	970770	0.078	45284	LU 2	-81227	-1375717	0.083	Si
228	16.06	5.4	7.6	5.4	-7881	LU 8	110982	971319	0.079	-35740	LU 11	-181778	-1975282	0.094	Si
238	17.93	5.4	11.79	5.4	-41055	LU 8	66958	1467879	0.084	-84575	LU 11	-233564	-2196336	0.095	Si
258	21.19	5.4	14.46	5.4						-185265	LU 11	-275767	-2581717	0.098	Si
275	22.81	5.4	15.21	5.4						-275767	LU 11	-275767	-2773116	0.1	Si
278	22.81	5.4	15.21	5.4						-289982	LU 11	-289198	-2773116	0.1	Si
297	22.81	5.4	15.21	5.4						-398726	LU 11	-336000	-2773116	0.1	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	-2550	LU 12	-2550	-12021	-76908	0	-12021	1	Si
20	0	14.57	0	-2753	LU 12	-2753	-11852	-76908	0	-11852	1	Si
23	0.086	14.57	0	-2780	LU 12	-2780	-11852	-76908	-10004	-11852	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
40	0.086	11.9	0	-2956	LU 12	-2956	-11078	-76908	-10004	-11078	1	Si
59	0.086	7.6	0	-3159	LU 12	-3159	-9541	-76908	-10004	-10004	1	Si
79	0.086	7.6	0	-3362	LU 12	-3362	-9541	-76908	-10004	-10004	1	Si
89	0.086	7.6	0	-3463	LU 12	-3463	-9541	-76908	-10004	-10004	1	Si
109	0.098	7.6	0	-3667	LU 12	-3667	-9541	-76908	-11412	-11412	1	Si
129	0.098	7.6	0	-3870	LU 12	-3870	-9541	-76908	-11412	-11412	1	Si
149	0.098	7.6	0	-4073	LU 12	-4073	-9541	-76908	-11412	-11412	1	Si
169	0.098	11.79	0	-4276	LU 12	-4276	-11044	-76908	-11412	-11412	1	Si
188	0.098	7.6	0	-4479	LU 12	-4479	-9541	-76908	-11412	-11412	1	Si
208	0.101	7.6	0	-4682	LU 12	-4682	-9541	-76908	-11671	-11671	1	Si
228	0.101	7.6	0	-4885	LU 12	-4885	-9541	-76908	-11671	-11671	1	Si
238	0.101	7.6	0	-4986	LU 12	-4986	-9541	-76908	-11671	-11671	1	Si
258	0.101	7.6	0	-5189	LU 12	-5189	-9541	-76908	-11671	-11671	1	Si
275	0.101	11.01	0	-5365	LU 12	-5365	-10796	-76908	-11671	-11671	1	Si
278	0	11.01	0	-5392	LU 12	-5392	-10796	-76908	0	-10796	1	Si
297	0	16.06	0	-5595	LU 12	-5595	-12243	-76908	0	-12243	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	612397	3	590993	19.4	124.5	667.3	1837	548337	2	530315	17.4	93.4	0	+∞	Si
20	573248	3	572873	18.8	124.5	646.8	1837	515151	2	514823	16.9	93.4	0	+∞	Si
23	567672	3	567672	18.6	124.5	641	1837	510377	2	510377	16.7	93.4	0	+∞	Si
40	531002	3	567672	18.6	124.5	641	1837	478868	2	510377	16.7	93.4	0	+∞	Si
59	485658	3	551037	18.1	124.5	622.2	1837	439487	2	496126	16.3	93.4	0	+∞	Si
79	437216	3	507136	16.6	124.5	572.6	1837	397008	2	458188	15	93.4	0	+∞	Si
89	411834	3	484024	16.1	124.5	569.3	1837	374608	2	438057	14.6	93.4	0	+∞	Si
109	358745	3	435476	15.6	124.5	622.3	1837	327482	2	395472	14.1	93.4	0	+∞	Si
129	302559	3	383830	9	124.5	135.6	1837	277259	2	349790	14.8	93.4	0	+∞	Si
149	243276	3	329087	7.8	124.5	116.3	1837	223939	2	301010	12.7	93.4	0	+∞	Si
169	182359	9	271246	6.4	124.5	95.8	1837	167521	2	249132	10.5	93.4	0	+∞	Si
188	118981	9	210793	5	124.5	74.5	1837	108004	2	194156	8.2	93.4	0	+∞	Si
208	52568	8	148858	3.4	124.5	51.7	1837	45418	1	136083	5.5	93.4	0	+∞	Si
228	-26200	2	-136663	4.4	124.5	146.4	1837	-20321	2	-122257	3.9	93.4	0	+∞	Si
238	-63126	2	-175860	5.2	124.5	168.7	1837	-54338	2	-158545	4.6	93.4	0	+∞	Si
258	-139302	2	-207812	5.6	124.5	169.3	1837	-124696	2	-188171	5.1	93.4	0	+∞	Si
275	-207812	2	-207812	5.4	124.5	157.7	1837	-188171	2	-188171	4.9	93.4	0	+∞	Si
278	-218575	2	-217982	5.7	124.5	165.4	1837	-198152	2	-197606	5.1	93.4	0	+∞	Si
297	-300945	2	-253420	6.6	124.5	192.3	1837	-274706	2	-230480	6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
23	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
40	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si
59	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.013	2	0.012	2	9999	Si
79	0.007	0.006	0.006	0.006	0.007	0.006	0.006	0.006	0.006	0.006	0.015	2	0.014	2	9999	Si
89	0.007	0.006	0.007	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.015	2	0.015	2	9999	Si
109	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.015	2	9999	Si
129	0.007	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.015	2	9999	Si
149	0.007	0.006	0.006	0.006	0.007	0.006	0.006	0.006	0.006	0.006	0.015	2	0.014	2	9999	Si
169	0.006	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.013	2	9999	Si
188	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
208	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si
228	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
238	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.006	2	0.006	2	9999	Si
258	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
275	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
278	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si

Campata 3 tra i fili 5 - 6, sezione R 45x70, asta 984

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4						-263736	LU 12	-242582	-2773116	0.1	Si
19	22.81	5.4	15.21	5.4						-229395	LU 12	-229035	-2773116	0.1	Si
23	22.81	5.4	15.21	5.4						-223914	LU 12	-223914	-2773116	0.1	Si
38	21.32	5.4	15.21	5.4						-198816	LU 12	-223914	-2596525	0.098	Si
57	19.51	5.4	15.21	5.4						-171997	LU 12	-214162	-2382584	0.095	Si
77	15.21	5.4	15.21	5.4	-80952	LU 1	10380	1872764	0.089	-148939	LU 12	-185400	-1872764	0.089	Si
86	15.21	5.4	14.44	5.4	-74663	LU 1	19547	1781706	0.088	-138821	LU 12	-172429	-1872814	0.089	Si
105	15.21	5.4	11.86	5.4	-64255	LU 1	33650	1475682	0.084	-121404	LU 12	-149308	-1873026	0.09	Si
125	15.21	5.4	7.6	5.4	-56739	LU 1	42112	971252	0.079	-107748	LU 12	-129949	-1873491	0.092	Si
144	15.21	5.4	7.6	5.4	-51578	LU 6	44933	971252	0.079	-97853	LU 12	-114350	-1873491	0.092	Si
163	15.21	5.4	7.6	5.4	-48647	LU 8	42112	971252	0.079	-92088	LU 11	-102512	-1873491	0.092	Si
182	15.21	5.4	7.6	5.4	-48554	LU 8	33650	971252	0.079	-90139	LU 11	-94584	-1873491	0.092	Si
201	15.21	5.4	7.6	5.4	-51353	LU 8	19547	971252	0.079	-91950	LU 11	-101891	-1873491	0.092	Si
220	15.21	5.4	11.86	5.4						-97523	LU 11	-113167	-1873026	0.09	Si
230	15.21	5.4	13.15	5.4						-101719	LU 11	-120216	-1872893	0.089	Si
249	15.21	5.4	15.21	5.4						-112933	LU 11	-125140	-1872764	0.089	Si
265	15.21	5.4	15.21	5.4						-125140	LU 11	-125140	-1872764	0.089	Si
268	15.21	5.4	15.21	5.4						-127907	LU 11	-127748	-1872764	0.089	Si
287	15.21	5.4	15.21	5.4						-146643	LU 11	-134649	-1872764	0.089	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.61	0	1890	LU 12	1890	12857	76908	0	12857	1	Si
10	0	15.21	0	1792	LU 12	1792	12021	76908	0	12021	1	Si
19	0	15.21	0	1694	LU 12	1694	12021	76908	0	12021	1	Si
23	0.158	15.21	0	1659	LU 12	1659	12021	76908	18340	18340	1	Si
38	0.158	15.21	0	1497	LU 12	1497	12021	76908	18340	18340	1	Si
57	0.158	15.21	0	1301	LU 12	1301	12021	76908	18340	18340	1	Si
77	0.158	15.21	0	1105	LU 12	1105	12021	76908	18340	18340	1	Si
86	0.158	15.21	0	1007	LU 12	1007	12021	76908	18340	18340	1	Si
105	0.147	15.21	0	811	LU 12	811	12021	76908	17079	17079	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
125	0.147	15.21	0	614	LU 12	614	12021	76908	17079	17079	1	Si
144	0.147	15.21	0	418	LU 12	418	12021	76908	17079	17079	1	Si
163	0.147	15.21	0	222	LU 12	222	12021	76908	17079	17079	1	Si
182	0.147	15.21	0	67	LU 3	67	12021	76908	17079	17079	1	Si
182	0.147	15.21	0	-177	LU 10	-177	-12021	-76908	-17079	-17079	1	Si
201	0.158	15.21	0	-373	LU 10	-373	-12021	-76908	-18340	-18340	1	Si
220	0.158	15.21	0	-569	LU 10	-569	-12021	-76908	-18340	-18340	1	Si
230	0.158	15.21	0	-668	LU 10	-668	-12021	-76908	-18340	-18340	1	Si
249	0.158	15.21	0	-864	LU 10	-864	-12021	-76908	-18340	-18340	1	Si
265	0.158	15.21	0	-1026	LU 10	-1026	-12021	-76908	-18340	-18340	1	Si
268	0	15.21	0	-1060	LU 10	-1060	-12021	-76908	0	-12021	1	Si
287	0	15.21	0	-1256	LU 10	-1256	-12021	-76908	0	-12021	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-196797	3	-180759	4.7	124.5	137.2	1837	-168504	2	-153580	4	93.4	0	+∞	Si
19	-170780	3	-170508	4.4	124.5	129.4	1837	-144385	2	-144137	3.7	93.4	0	+∞	Si
23	-166633	3	-166633	4.3	124.5	126.4	1837	-140567	2	-140567	3.7	93.4	0	+∞	Si
38	-147656	3	-166633	4.4	124.5	134.9	1837	-123158	2	-140567	3.7	93.4	0	+∞	Si
57	-127425	3	-159255	4.4	124.5	140.4	1837	-104825	2	-133776	3.7	93.4	0	+∞	Si
77	-110086	3	-137529	4.1	124.5	154.1	1837	-89385	2	-113948	3.4	93.4	0	+∞	Si
86	-102502	3	-127750	3.8	124.5	143.3	1837	-82750	2	-105119	3.1	93.4	0	+∞	Si
105	-89503	3	-110364	3.4	124.5	124.1	1837	-71649	2	-89631	2.8	93.4	0	+∞	Si
125	-79397	3	-95870	3.1	124.5	108.2	1837	-63441	2	-77035	2.5	93.4	0	+∞	Si
144	-72184	3	-84270	2.8	124.5	95.2	1837	-58126	2	-67332	2.2	93.4	0	+∞	Si
163	-68110	2	-75562	2.5	124.5	85.3	1837	-55704	2	-60523	2	93.4	0	+∞	Si
182	-66966	2	-70763	2.3	124.5	79.9	1837	-56175	2	-62423	2	93.4	0	+∞	Si
201	-68715	2	-76900	2.5	124.5	86.8	1837	-59539	2	-70175	2.3	93.4	0	+∞	Si
220	-73356	2	-85929	2.7	124.5	96.6	1837	-65796	2	-80819	2.5	93.4	0	+∞	Si
230	-76762	2	-91528	2.8	124.5	102.8	1837	-70010	2	-87227	2.7	93.4	0	+∞	Si
249	-85743	2	-95426	2.8	124.5	106.9	1837	-80606	2	-91624	2.7	93.4	0	+∞	Si
265	-95426	2	-95426	2.8	124.5	106.9	1837	-91624	2	-91624	2.7	93.4	0	+∞	Si
268	-97617	2	-97490	2.9	124.5	109.3	1837	-94096	2	-93948	2.8	93.4	0	+∞	Si
287	-112383	2	-102949	3.1	124.5	115.4	1837	-110478	2	-100095	3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
38	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
57	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
77	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	1	-0.004	1	9999	Si
86	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.004	1	-0.004	1	9999	Si
105	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
125	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
134	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
144	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
163	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
182	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.004	1	-0.004	1	9999	Si
201	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.003	1	-0.004	1	9999	Si
220	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
230	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
249	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
265	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	1	-0.001	1	9999	Si
268	0	-0.001	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si

Campata 4 tra i fili 6 - 7, sezione R 45x70, asta 985

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	205136	LU 18	205136	1872764	0.089						Si
18	15.21	5.4	15.21	5.4	204850	LU 18	204781	1872764	0.089						Si
23	15.21	5.4	15.21	5.4	204157	LU 18	204157	1872764	0.089						Si
36	15.21	5.4	13.99	5.4	201248	LU 18	204157	1729093	0.087						Si
54	14.34	5.4	16.72	5.4	194329	LU 18	203783	2052364	0.091						Si
63	13.49	5.4	13.36	5.4	189625	LU 18	201758	1654043	0.086						Si
81	11.79	5.4	11.4	5.4	177956	LU 17	195220	1422094	0.084						Si
99	7.6	5.4	11.4	5.4	163491	LU 17	185365	1422093	0.084						Si
117	7.6	5.4	11.4	5.4	145708	LU 17	172706	1422093	0.084						Si
135	7.6	5.4	11.4	5.4	124608	LU 17	156963	1422093	0.084						Si
153	7.6	5.4	11.4	5.4	100191	LU 17	137904	1422093	0.084						Si
171	7.6	5.4	11.4	5.4	72458	LU 17	115527	1422093	0.084						Si
189	9.7	5.4	11.4	5.4	41407	LU 17	89833	1422093	0.084	21345	LU 2	-28152	-1219497	0.081	Si
207	10.55	5.4	13.26	5.4	7040	LU 17	60822	1642629	0.087	-5666	LU 2	-68304	-1320255	0.082	Si
216	10.97	5.4	13.87	5.4	-7843	LU 8	45073	1714492	0.088	-23673	LU 11	-89624	-1370594	0.083	Si
234	11.4	5.4	15.08	5.4	-38254	LU 8	11087	1858205	0.09	-63444	LU 11	-95552	-1422107	0.084	Si
247	11.4	5.4	15.21	5.4						-95552	LU 11	-95552	-1422107	0.084	Si
252	11.4	5.4	15.21	5.4						-106532	LU 11	-105434	-1422107	0.084	Si
270	11.4	5.4	15.21	5.4						-153083	LU 12	-123028	-1422107	0.084	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.36	0	153	LU 10	153	11513	76908	0	11513	1	Si
18	0	11.4	0	-108	LU 18	-108	-10922	-76908	0	-10922	1	Si
23	0.115	11.4	0	-154	LU 18	-154	-10922	-76908	-13338	-13338	1	Si
36	0.115	11.4	0	-292	LU 18	-292	-10922	-76908	-13338	-13338	1	Si
54	0.115	11.4	0	-477	LU 18	-477	-10922	-76908	-13338	-13338	1	Si
63	0.115	11.4	0	-569	LU 18	-569	-10922	-76908	-13338	-13338	1	Si
81	0.115	11.4	0	-753	LU 18	-753	-10922	-76908	-13338	-13338	1	Si
99	0.118	11.4	0	-937	LU 18	-937	-10922	-76908	-13730	-13730	1	Si
117	0.118	11.4	0	-1122	LU 18	-1122	-10922	-76908	-13730	-13730	1	Si
135	0.118	11.4	0	-1306	LU 18	-1306	-10922	-76908	-13730	-13730	1	Si
153	0.118	11.4	0	-1490	LU 18	-1490	-10922	-76908	-13730	-13730	1	Si
171	0.118	11.4	0	-1674	LU 18	-1674	-10922	-76908	-13730	-13730	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
189	0.129	11.4	0	-1859	LU 18	-1859	-10922	-76908	-15005	-15005	1	Si
207	0.129	11.4	0	-2043	LU 18	-2043	-10922	-76908	-15005	-15005	1	Si
216	0.129	7.6	0	-2135	LU 18	-2135	-9541	-76908	-15005	-15005	1	Si
234	0.129	7.6	0	-2319	LU 18	-2319	-9541	-76908	-15005	-15005	1	Si
247	0.129	9.27	0	-2457	LU 18	-2457	-10194	-76908	-15005	-15005	1	Si
252	0	9.7	0	-2504	LU 18	-2504	-10347	-76908	0	-10347	1	Si
270	0	10.55	0	-2688	LU 18	-2688	-10641	-76908	0	-10641	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	156283	9	156283	4.6	124.5	175.2	1837	147340	2	147340	4.4	93.4	0	+∞	Si
18	156206	9	156156	4.6	124.5	175	1837	147972	2	147940	4.4	93.4	0	+∞	Si
23	155708	9	155708	4.6	124.5	174.5	1837	147651	2	147651	4.4	93.4	0	+∞	Si
36	153577	9	155708	4.8	124.5	189.1	1837	146052	2	147651	4.5	93.4	0	+∞	Si
54	148396	9	155439	4.5	124.5	159.1	1837	141581	2	147478	4.3	93.4	0	+∞	Si
63	144849	9	153952	4.9	124.5	195.8	1837	138388	2	146346	4.6	93.4	0	+∞	Si
81	135992	8	149065	5.1	124.5	221.2	1837	130154	1	142168	4.9	93.4	0	+∞	Si
99	124929	8	141626	5.1	124.5	210.9	1837	119517	1	135439	4.9	93.4	0	+∞	Si
117	111316	8	131978	4.8	124.5	196.5	1837	106329	1	126305	4.6	93.4	0	+∞	Si
135	95151	8	119934	4.4	124.5	178.6	1837	90589	1	114685	4.2	93.4	0	+∞	Si
153	76434	8	105338	3.8	124.5	156.8	1837	72297	1	100514	3.6	93.4	0	+∞	Si
171	55166	8	88190	3.2	124.5	131.3	1837	51454	1	83792	3	93.4	0	+∞	Si
189	31346	8	68491	1.8	124.5	101.8	1837	28060	1	64518	2.3	93.4	0	+∞	Si
207	4975	8	46241	1.5	124.5	59.4	1837	2114	1	42693	1.4	93.4	0	+∞	Si
207	-3073	2	-51567	1.8	124.5	82.5	1837								Si
216	-17358	2	-67912	2.3	124.5	104.5	1837	-13478	2	-63230	2.1	93.4	0	+∞	Si
234	-47841	2	-72458	1.8	124.5	107.3	1837	-43465	2	-67709	2.2	93.4	0	+∞	Si
247	-72458	2	-72458	1.8	124.5	107.3	1837	-67709	2	-67709	2.2	93.4	0	+∞	Si
252	-80876	2	-80034	2.6	124.5	118.5	1837	-76003	2	-75173	2.5	93.4	0	+∞	Si
270	-116561	3	-93522	3.1	124.5	138.5	1837	-111092	2	-88443	2.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	1	0.001	1	9999	Si
23	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
36	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
54	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	1	0.003	1	9999	Si
63	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
81	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
99	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si
108	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si
117	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si
135	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
153	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
171	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	1	0.003	1	9999	Si
189	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
207	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
216	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
234	0.001	0	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
247	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
252	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Campata 5 tra i fili 7 - 8, sezione R 45x70, asta 986

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	199993	LU 17	174084	1873055	0.09						Si
19	11.4	5.4	15.21	5.4	154178	LU 15	153506	1873055	0.09						Si
23	11.4	5.4	15.21	5.4	145725	LU 15	145725	1873055	0.09						Si
38	11.4	5.4	14.92	5.4	104637	LU 15	145725	1839579	0.089	58539	LU 3	-7011	-1422107	0.084	Si
57	10.8	5.4	13.63	5.4	51334	LU 15	130689	1686550	0.087	16075	LU 3	-62350	-1351013	0.083	Si
77	9.9	5.4	11.4	5.4	-4188	LU 6	79330	1422093	0.084	-30822	LU 12	-126190	-1243745	0.081	Si
86	9.45	5.4	11.4	5.4	-27415	LU 6	52240	1422093	0.084	-61301	LU 12	-159521	-1190119	0.08	Si
105	7.6	5.4	11.4	5.4	-74458	LU 1	33650	1422093	0.084	-125078	LU 12	-229002	-970824	0.078	Si
125	7.6	5.4	11.4	5.4	-124289	LU 1	42112	1422093	0.084	-192617	LU 12	-302245	-970824	0.078	Si
144	13.42	5.4	11.4	5.4	-177013	LU 1	44933	1422094	0.084	-263916	LU 12	-379248	-1661749	0.087	Si
163	16.13	5.4	11.4	5.4	-232630	LU 1	42112	1422107	0.084	-338976	LU 12	-460012	-1983149	0.092	Si
182	18.84	5.4	11.4	5.4	-291141	LU 1	33650	1422107	0.084	-417797	LU 12	-544537	-2304256	0.097	Si
201	19.01	5.4	11.4	5.4	-352544	LU 1	19547	1422107	0.084	-500379	LU 12	-632823	-2323557	0.097	Si
220	21.81	5.4	12.99	5.4						-586722	LU 12	-725253	-2725788	0.102	Si
230	23.31	5.4	13.63	5.4						-631303	LU 12	-773149	-2832588	0.103	Si
249	25.12	5.4	14.92	5.4						-723655	LU 18	-803347	-3046235	0.105	Si
265	26.61	5.4	15.21	5.4						-803347	LU 18	-803347	-3222619	0.107	Si
268	26.61	5.4	15.21	5.4						-820323	LU 18	-819111	-3222619	0.107	Si
287	26.61	5.4	15.21	5.4						-920751	LU 18	-860807	-3222619	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	12.99	0	-2395	LU 18	-2395	-11405	-76908	0	-11405	1	Si
19	0	11.4	0	-2591	LU 18	-2591	-10922	-76908	0	-10922	1	Si
23	0.187	11.4	0	-2625	LU 18	-2625	-10922	-76908	-21675	-21675	1	Si
38	0.187	11.4	0	-2787	LU 18	-2787	-10922	-76908	-21675	-21675	1	Si
57	0.187	11.4	0	-2983	LU 18	-2983	-10922	-76908	-21675	-21675	1	Si
77	0.187	11.4	0	-3179	LU 18	-3179	-10922	-76908	-21675	-21675	1	Si
86	0.187	11.4	0	-3278	LU 18	-3278	-10922	-76908	-21675	-21675	1	Si
105	0.186	11.4	0	-3474	LU 18	-3474	-10922	-76908	-21634	-21634	1	Si
125	0.186	10.8	0	-3670	LU 18	-3670	-10727	-76908	-21634	-21634	1	Si
144	0.186	9.9	0	-3866	LU 18	-3866	-10419	-76908	-21634	-21634	1	Si
163	0.186	7.6	0	-4062	LU 18	-4062	-9541	-76908	-21634	-21634	1	Si
182	0.186	7.6	0	-4259	LU 18	-4259	-9541	-76908	-21634	-21634	1	Si
201	0.187	12.07	0	-4455	LU 18	-4455	-11130	-76908	-21675	-21675	1	Si
220	0.187	14.78	0	-4651	LU 18	-4651	-11907	-76908	-21675	-21675	1	Si
230	0.187	16.13	0	-4749	LU 18	-4749	-12261	-76908	-21675	-21675	1	Si
249	0.187	18.84	0	-4945	LU 18	-4945	-12912	-76908	-21675	-21675	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
265	0.187	19.01	0	-5108	LU 18	-5108	-12949	-76908	-21675	-21675	1	Si
268	0	19.01	0	-5142	LU 18	-5142	-12949	-76908	0	-12949	1	Si
278	0	19.01	0	-5240	LU 18	-5240	-12949	-76908	0	-12949	1	Si
287	0	21.81	0	-5338	LU 18	-5338	-13679	-76908	0	-13679	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	153049	8	133224	4.1	124.5	149.8	1837	147902	1	128759	4	93.4	0	+∞	Si
19	117983	6	117468	3.7	124.5	132.1	1837	113982	1	113482	3.5	93.4	0	+∞	Si
23	111511	6	111511	3.5	124.5	125.4	1837	107706	1	107706	3.4	93.4	0	+∞	Si
38	80047	6	111511	3.5	124.5	127.7	1837	77169	1	107706	3.4	93.4	0	+∞	Si
57	39218	6	99998	3.3	124.5	125	1837	37463	1	96540	3.1	93.4	0	+∞	Si
77	-21233	3	-94164	3.4	124.5	160.3	1837	-9796	2	-80709	2.9	93.4	0	+∞	Si
86	-44536	3	-119661	4.4	124.5	213.1	1837	-32435	2	-105541	3.9	93.4	0	+∞	Si
105	-93313	3	-172826	3.9	124.5	59.9	1837	-79881	2	-157375	6.3	93.4	0	+∞	Si
125	-144983	3	-228883	5.1	124.5	79.4	1837	-130220	2	-212102	8.5	93.4	0	+∞	Si
144	-199546	3	-287834	9.4	124.5	365	1837	-183452	2	-269721	8.8	93.4	0	+∞	Si
163	-257001	3	-349677	10.7	124.5	371.4	1837	-239576	2	-330234	10.1	93.4	0	+∞	Si
182	-317350	3	-414414	12	124.5	379.2	1837	-298594	2	-393640	11.4	93.4	0	+∞	Si
201	-380592	3	-482043	13.9	124.5	437.5	1837	-360505	2	-459938	13.3	93.4	0	+∞	Si
220	-446726	3	-552821	14.9	124.5	427.8	1837	-425309	2	-529130	14.2	93.4	0	+∞	Si
230	-480879	3	-589475	15.5	124.5	438.9	1837	-458796	2	-564810	14.9	93.4	0	+∞	Si
249	-551598	9	-612588	15.5	124.5	424	1837	-527939	2	-587321	14.9	93.4	0	+∞	Si
265	-612588	9	-612588	15.2	124.5	401.1	1837	-587321	2	-587321	14.6	93.4	0	+∞	Si
268	-625580	9	-624653	15.5	124.5	409	1837	-599975	2	-599073	14.9	93.4	0	+∞	Si
287	-702455	9	-656566	16.3	124.5	429.9	1837	-674905	2	-630157	15.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	1	-0.001	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
38	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
57	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
77	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
86	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
105	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.008	1	-0.009	1	9999	Si
125	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.01	1	-0.01	1	9999	Si
144	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
163	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.012	1	-0.012	1	9999	Si
182	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.013	1	9999	Si
201	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.012	1	9999	Si
220	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
230	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	1	-0.01	1	9999	Si
249	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
265	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	1	-0.005	1	9999	Si
268	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si

Campata 6 tra i fili 8 - 9, sezione R 45x70, asta 987

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	15.21	5.4						-779733	LU 12	-684660	-3222619	0.107	Si
21	26.61	5.4	15.21	5.4						-612973	LU 12	-612493	-3222619	0.107	Si
23	26.61	5.4	15.21	5.4						-597725	LU 12	-597725	-3222619	0.107	Si
41	24.87	5.4	14.74	5.4						-460178	LU 12	-597725	-3016449	0.104	Si
62	22.93	5.4	13.36	5.4						-324434	LU 18	-522594	-2788024	0.103	Si
82	16.51	5.4	11.4	5.4	-147806	LU 2	40393	1422107	0.084	-211827	LU 17	-378798	-2027798	0.092	Si
92	15.06	5.4	11.4	5.4	-102049	LU 2	74440	1422107	0.084	-162485	LU 17	-314309	-1855994	0.09	Si
113	12.16	5.4	11.4	5.4	-19159	LU 2	126821	1422094	0.084	-71829	LU 17	-203740	-1512142	0.085	Si
133	7.6	5.4	11.4	5.4	54572	LU 12	158251	1422093	0.084	5784	LU 6	-108609	-970824	0.078	Si
154	7.6	5.4	11.4	5.4	130552	LU 12	214108	1422093	0.084	58875	LU 1	-24213	-970824	0.078	Si
174	7.6	5.4	11.4	5.4	192564	LU 12	256312	1422093	0.084						Si
195	7.6	5.4	11.4	5.4	240608	LU 12	284547	1422093	0.084						Si
215	9.17	5.4	11.4	5.4	274682	LU 12	298813	1422093	0.084						Si
236	10.13	5.4	11.4	5.4	294788	LU 12	300923	1422093	0.084						Si
246	10.62	5.4	15.75	5.4	299602	LU 12	300923	1937371	0.091						Si
267	11.4	5.4	18.51	5.4	298752	LU 12	300923	2264455	0.096						Si
285	11.4	5.4	19.01	5.4	285768	LU 18	300923	2323557	0.097						Si
287	11.4	5.4	19.01	5.4	284515	LU 18	284386	2323557	0.097						Si
308	11.4	5.4	19.01	5.4	261926	LU 18	261926	2323557	0.097						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.93	0	8474	LU 12	8474	13786	76908	0	13786	1	Si
10	0	17.96	0	8135	LU 12	8135	12707	76908	0	12707	1	Si
21	0	16.51	0	7794	LU 12	7794	12356	76908	0	12356	1	Si
23	0.187	16.51	0	7728	LU 12	7728	12356	76908	21675	21675	1	Si
41	0.187	13.61	0	7113	LU 12	7113	11586	76908	21675	21675	1	Si
62	0.187	7.6	0	6432	LU 12	6432	9541	76908	21675	21675	1	Si
82	0.187	7.6	0	5750	LU 12	5750	9541	76908	21675	21675	1	Si
92	0.187	7.6	0	5410	LU 12	5410	9541	76908	21675	21675	1	Si
113	0.164	7.6	0	4728	LU 12	4728	9541	76908	19055	19055	1	Si
133	0.164	11.4	0	4047	LU 12	4047	10922	76908	19055	19055	1	Si
154	0.164	11.4	0	3366	LU 12	3366	10922	76908	19055	19055	1	Si
174	0.164	11.4	0	2701	LU 18	2701	10922	76908	19055	19055	1	Si
195	0.164	11.4	0	2072	LU 17	2072	10922	76908	19055	19055	1	Si
215	0.144	11.4	0	1550	LU 17	1550	10922	76908	16673	16673	1	Si
236	0.144	11.4	0	1028	LU 17	1028	10922	76908	16673	16673	1	Si
246	0.144	11.4	0	767	LU 17	767	10922	76908	16673	16673	1	Si
267	0.144	11.4	0	245	LU 17	245	10922	76908	16673	16673	1	Si
267	0.144	11.4	0	-444	LU 2	-444	-10922	-76908	-16673	-16673	1	Si
285	0.144	11.4	0	-1022	LU 11	-1022	-10922	-76908	-16673	-16673	1	Si
287	0	11.4	0	-1089	LU 11	-1089	-10922	-76908	0	-10922	1	Si
308	0	15.75	0	-1771	LU 11	-1771	-12162	-76908	0	-12162	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-590631	3	-519257	12.9	124.5	340	1837	-548322	2	-485002	12	93.4	0	+∞	Si
21	-465402	3	-465041	11.5	124.5	304.5	1837	-437063	2	-436736	10.8	93.4	0	+∞	Si
23	-453947	3	-453947	11.3	124.5	297.2	1837	-426859	2	-426859	10.6	93.4	0	+∞	Si
41	-350581	3	-453947	11.6	124.5	317.3	1837	-334690	2	-426859	10.9	93.4	0	+∞	Si
62	-248225	9	-397494	10.6	124.5	300.7	1837	-241203	2	-376558	10	93.4	0	+∞	Si
82	-162391	8	-289311	8.8	124.5	300.6	1837	-158800	1	-279356	8.5	93.4	0	+∞	Si
92	-124527	8	-240571	7.5	124.5	273	1837	-121528	1	-234087	7.3	93.4	0	+∞	Si
113	-54974	8	-156185	5.3	124.5	217.8	1837	-53160	1	-152691	5.1	93.4	0	+∞	Si
133	37311	3	115689	4.2	124.5	172.2	1837	16027	2	89105	3.2	93.4	0	+∞	Si
154	94885	3	158501	5.8	124.5	236	1837	69526	2	130002	4.7	93.4	0	+∞	Si
174	142048	3	190902	6.9	124.5	284.2	1837	114138	2	162012	5.9	93.4	0	+∞	Si
195	178801	3	212892	7.7	124.5	317	1837	149863	2	185133	6.7	93.4	0	+∞	Si
215	205144	3	224472	8	124.5	333.8	1837	176701	2	199368	7.1	93.4	0	+∞	Si
236	221076	3	226596	7.9	124.5	336.7	1837	194650	2	204713	7.2	93.4	0	+∞	Si
246	225137	3	226596	7	124.5	246.6	1837	200292	2	204910	6.4	93.4	0	+∞	Si
267	225452	3	226596	6.6	124.5	211	1837	204910	2	204910	6	93.4	0	+∞	Si
285	216627	9	226596	6.6	124.5	205.7	1837	201272	2	204910	5.9	93.4	0	+∞	Si
287	215744	9	215644	6.2	124.5	195.7	1837	200639	2	200540	5.8	93.4	0	+∞	Si
308	199369	9	199369	5.8	124.5	180.9	1837	187475	2	187475	5.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
41	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
62	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
82	0	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.002	2	-0.002	2	9999	Si
92	0	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
113	0.001	0	0	0	0.001	0	0	0	0	0	0	2	0	2	9999	Si
133	0.002	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
154	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.002	2	0.002	2	9999	Si
174	0.003	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
195	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
215	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
236	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
246	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
267	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
285	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
287	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Campata 7 tra i fili 9 - 9A, sezione R 45x70, asta 988

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	19.01	5.4	360360	LU 18	360360	2323557	0.097						Si
18	11.4	5.4	19.01	5.4	395933	LU 18	395933	2323557	0.097						Si
23	11.4	5.4	19.01	5.4	402943	LU 18	438789	2323557	0.097						Si
36	11.4	5.4	19.01	5.4	421599	LU 12	447407	2323557	0.097						Si
54	10.97	5.4	18	5.4	441051	LU 12	449962	2204660	0.095						Si
72	10.12	5.4	15.58	5.4	449694	LU 12	449962	1917428	0.091						Si
81	9.7	5.4	11.4	5.4	449962	LU 12	449962	1422093	0.084						Si
99	7.6	5.4	11.4	5.4	442389	LU 12	449962	1422093	0.084						Si
117	7.6	5.4	11.4	5.4	424002	LU 12	448087	1422093	0.084						Si
135	7.6	5.4	11.4	5.4	394799	LU 12	436351	1422093	0.084						Si
153	7.6	5.4	11.4	5.4	354778	LU 12	413800	1422093	0.084						Si
171	7.6	5.4	12.99	5.4	303938	LU 12	380432	1610201	0.087						Si
189	15.98	5.4	14.2	5.4	242275	LU 12	336246	1753483	0.087						Si
207	19.37	5.4	11.98	5.4	169788	LU 12	281239	1490646	0.084						Si
216	21.07	5.4	18.57	6.1	129484	LU 12	249677	2243647	0.092	76723	LU 1	-22964	-2594734	0.103	Si
234	22.81	5.4	18.26	6.7	40757	LU 12	178435	2188344	0.092	20325	LU 1	-34260	-2815868	0.115	Si
247	22.81	5.4	22.81	6.7	-23982	LU 8	117872	2711944	0.097	-34260	LU 11	-34260	-2832757	0.114	Si
252	22.81	5.4	22.81	6.7						-59746	LU 11	-57197	-2832757	0.114	Si
270	22.81	5.4	22.81	6.7						-169814	LU 11	-97975	-2832757	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.79	0	2598	LU 11	2598	12425	76908	0	12425	1	Si
18	0	11.4	0	1999	LU 11	1999	10922	76908	0	10922	1	Si
23	0.158	11.4	0	1849	LU 11	1849	10922	76908	18340	18340	1	Si
36	0.158	11.4	0	1399	LU 11	1399	10922	76908	18340	18340	1	Si
54	0.158	11.4	0	798	LU 11	798	10922	76908	18340	18340	1	Si
72	0.158	11.4	0	235	LU 2	235	10922	76908	18340	18340	1	Si
72	0.158	11.4	0	-230	LU 17	-230	-10922	-76908	-18340	-18340	1	Si
81	0.158	11.4	0	-460	LU 17	-460	-10922	-76908	-18340	-18340	1	Si
99	0.166	11.4	0	-920	LU 17	-920	-10922	-76908	-19223	-19223	1	Si
117	0.166	13.59	0	-1380	LU 17	-1380	-11580	-76908	-19223	-19223	1	Si
135	0.166	13.4	0	-1932	LU 18	-1932	-11525	-76908	-19223	-19223	1	Si
153	0.166	11.4	0	-2524	LU 12	-2524	-10922	-76908	-19223	-19223	1	Si
171	0.166	11.4	0	-3125	LU 12	-3125	-10922	-76908	-19223	-19223	1	Si
189	0.187	11.4	0	-3726	LU 12	-3726	-10922	-76908	-21675	-21675	1	Si
207	0.187	11.4	0	-4328	LU 12	-4328	-10922	-76908	-21675	-21675	1	Si
216	0.187	11.4	0	-4629	LU 12	-4629	-10862	-76046	-21432	-21432	1	Si
234	0.187	12.99	0	-5230	LU 12	-5230	-11296	-75400	-21249	-21249	1	Si
247	0.187	14.28	0	-5681	LU 12	-5681	-11773	-76908	-21675	-21675	1	Si
252	0	15.98	0	-5832	LU 12	-5832	-12222	-76908	0	-12222	1	Si
270	0	19.37	0	-6434	LU 12	-6434	-13032	-76908	0	-13032	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	274472	9	274472	7.9	124.5	249.1	1837	258959	2	258959	7.5	93.4	0	+∞	Si
18	300855	9	300855	8.7	124.5	273.1	1837	282041	2	282041	8.2	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
23	306037	9	332114	9.6	124.5	301.4	1837	286523	2	306566	8.9	93.4	0	+∞	Si
36	319785	3	338118	9.8	124.5	306.9	1837	298253	2	309777	9	93.4	0	+∞	Si
54	333724	3	339608	10.1	124.5	324.8	1837	307596	2	310067	9.2	93.4	0	+∞	Si
72	339608	3	339608	10.7	124.5	373.6	1837	310067	2	310067	9.7	93.4	0	+∞	Si
81	339530	3	339608	12	124.5	504.7	1837	308726	2	310067	10.9	93.4	0	+∞	Si
99	333330	3	339608	12.3	124.5	505.6	1837	300889	2	310067	11.3	93.4	0	+∞	Si
117	319073	3	337919	12.3	124.5	503.1	1837	286178	2	306370	11.1	93.4	0	+∞	Si
135	296756	3	328617	11.9	124.5	489.3	1837	264593	2	295887	10.7	93.4	0	+∞	Si
153	266378	3	311257	11.3	124.5	463.4	1837	236131	2	278529	10.1	93.4	0	+∞	Si
171	227937	3	285836	9.9	124.5	375.5	1837	200793	2	254297	8.8	93.4	0	+∞	Si
189	181433	3	252354	7.6	124.5	302	1837	158577	2	223188	6.7	93.4	0	+∞	Si
207	126863	3	210809	6.5	124.5	296.9	1837	109482	2	185202	5.7	93.4	0	+∞	Si
216	96553	3	187013	4.9	124.5	176.8	1837	82354	2	163629	4.3	93.4	0	+∞	Si
234	29881	3	133370	3.5	124.5	130.6	1837	22939	2	115326	3	93.4	0	+∞	Si
247	-26354	2	-26354	0.6	124.5	20	1837	-26354	2	-26354	0.6	93.4	0	+∞	Si
252	-45490	2	-43576	1.1	124.5	33.1	1837	-43358	2	-41658	1	93.4	0	+∞	Si
270	-128088	2	-74194	1.8	124.5	56.3	1837	-116538	2	-68865	1.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
23	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
36	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.006	2	9999	Si
54	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si
72	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
81	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.012	2	0.011	2	9999	Si
99	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
117	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.013	2	9999	Si
135	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
153	0.007	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.012	2	0.012	2	9999	Si
171	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
189	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.009	2	0.009	2	9999	Si
207	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.007	2	9999	Si
216	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
234	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
247	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
252	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Campata 8 tra i fili 9A - 10, sezione R 45x70, asta 989

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	6.7	318695	LU 18	298483	2711944	0.097						Si
6	22.81	5.4	22.81	6.7	306367	LU 18	296140	2711944	0.097						Si
13	22.81	5.4	22.81	6.7	292726	LU 18	289113	2711944	0.097						Si
19	22.81	5.4	22.81	6.7	277771	LU 18	277400	2711944	0.097						Si
23	22.81	5.4	22.81	6.7	270414	LU 18	270414	2711944	0.097						Si
26	22.81	5.4	22.81	6.7	261503	LU 18	270414	2711944	0.097						Si
29	22.81	5.4	22.81	6.7	252876	LU 18	270414	2711944	0.097						Si
36	22.81	5.4	22.81	6.7	235749	LU 17	270414	2711944	0.097						Si
42	22.81	5.4	22.81	6.7	221320	LU 17	270414	2711944	0.097						Si
49	22.81	5.4	22.81	6.7	205810	LU 17	270414	2711944	0.097						Si
55	22.81	5.4	22.81	6.7	189908	LU 13	261025	2711944	0.097						Si
62	22.81	5.4	22.81	6.7	173191	LU 13	243407	2711944	0.097						Si
68	22.81	5.4	22.81	6.7	155393	LU 13	228263	2711944	0.097						Si
75	22.81	5.4	22.81	6.7	137479	LU 10	213263	2711944	0.097						Si
75	22.81	5.4	22.81	6.7	136761	LU 10	212656	2711944	0.097						Si
78	22.81	5.4	22.81	6.7	128139	LU 10	128139	2711944	0.097						Si
84	22.81	5.4	22.81	6.7	108646	LU 10	108646	2711944	0.097						Si
91	22.81	5.4	22.81	6.7	88073	LU 10	88073	2711944	0.097	-8387	LU 3	-8387	-2832757	0.114	Si
97	22.81	5.4	22.81	6.7	66418	LU 10	66418	2711944	0.097	-35694	LU 3	-20367	-2832757	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	-1817	LU 12	-1817	-13621	-75321	0	-13621	1	Si
6	0	22.81	0	-2034	LU 12	-2034	-13621	-75321	0	-13621	1	Si
13	0	22.81	0	-2252	LU 12	-2252	-13621	-75321	0	-13621	1	Si
19	0	22.81	0	-2469	LU 12	-2469	-13621	-75321	0	-13621	1	Si
23	0.23	22.81	0	-2569	LU 12	-2569	-13621	-75321	-26126	-26126	1	Si
26	0.23	22.81	0	-2686	LU 12	-2686	-13621	-75321	-26126	-26126	1	Si
29	0.23	22.81	0	-2795	LU 12	-2795	-13621	-75321	-26126	-26126	1	Si
36	0.23	22.81	0	-3012	LU 12	-3012	-13621	-75321	-26126	-26126	1	Si
42	0.23	22.81	0	-3230	LU 12	-3230	-13621	-75321	-26126	-26126	1	Si
49	0.23	22.81	0	-3447	LU 12	-3447	-13621	-75321	-26126	-26126	1	Si
55	0.23	22.81	0	-3665	LU 12	-3665	-13621	-75321	-26126	-26126	1	Si
62	0.23	22.81	0	-3882	LU 12	-3882	-13621	-75321	-26126	-26126	1	Si
68	0.23	22.81	0	-4100	LU 12	-4100	-13621	-75321	-26126	-26126	1	Si
75	0.23	22.81	0	-4317	LU 12	-4317	-13621	-75321	-26126	-26126	1	Si
75	0.23	22.81	0	-4326	LU 12	-4326	-13621	-75321	-26126	-26126	1	Si
78	0	22.81	0	-4426	LU 12	-4426	-13621	-75321	0	-13621	1	Si
84	0	22.81	0	-4644	LU 12	-4644	-13621	-75321	0	-13621	1	Si
91	0	22.81	0	-4861	LU 12	-4861	-13621	-75321	0	-13621	1	Si
97	0	22.81	0	-5078	LU 12	-5078	-13760	-76908	0	-13760	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	240948	9	226411	5.6	124.5	179.5	1837	220180	2	210367	5.2	93.4	0	+∞	Si
6	232061	9	224705	5.5	124.5	178.2	1837	214066	2	209099	5.1	93.4	0	+∞	Si
13	222187	9	219588	5.4	124.5	174.1	1837	207054	2	205298	5	93.4	0	+∞	Si
19	211326	9	211059	5.2	124.5	167.3	1837	199144	2	198961	4.9	93.4	0	+∞	Si
23	205972	9	205972	5.1	124.5	163.3	1837	195182	2	195182	4.8	93.4	0	+∞	Si
26	199480	9	205972	5.1	124.5	163.3	1837	190336	2	195182	4.8	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
29	193186	9	205972	5.1	124.5	163.3	1837	185596	2	195182	4.8	93.4	0	+∞	Si
36	180601	8	205972	5.1	124.5	163.3	1837	175759	1	195182	4.8	93.4	0	+∞	Si
42	169703	8	205972	5.1	124.5	163.3	1837	166170	1	195182	4.8	93.4	0	+∞	Si
49	157973	8	205972	5.1	124.5	163.3	1837	155750	1	195182	4.8	93.4	0	+∞	Si
55	145872	4	199131	4.9	124.5	157.9	1837	144498	1	190073	4.7	93.4	0	+∞	Si
62	133116	4	186270	4.6	124.5	147.7	1837	132415	1	180343	4.4	93.4	0	+∞	Si
68	119529	4	174948	4.3	124.5	138.7	1837	119500	1	170797	4.2	93.4	0	+∞	Si
75	105753	1	163611	4	124.5	129.7	1837	105753	1	160769	4	93.4	0	+∞	Si
75	105201	1	163152	4	124.5	129.4	1837	105201	1	160360	3.9	93.4	0	+∞	Si
78	98568	1	98568	1.8	124.5	78.2	1837	98568	1	98568	1.8	93.4	0	+∞	Si
84	83574	1	83574	2.1	124.5	66.3	1837	83574	1	83574	2.1	93.4	0	+∞	Si
91	67748	1	67748	1.7	124.5	53.7	1837	67748	1	67748	1.7	93.4	0	+∞	Si
97	51091	1	51091	1.3	124.5	40.5	1837	51091	1	51091	1.3	93.4	0	+∞	Si
97	-6766	3	-6766	0.2	124.5	5.1	1837								Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
6	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
13	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
19	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
26	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
29	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
36	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	1	0.001	1	9999	Si
42	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
45	0.001	0	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
49	0.001	0	0	0	0.001	0	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
55	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
62	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
68	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
75	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
75	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
78	0	0	0	0	0	0	0	0	0	0	0.001	1	0	1	9999	Si
84	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
91	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Campata 9 tra i fili 10 - 11, sezione R 45x70, asta 990

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	6.7	521152	LU 13	445315	2711944	0.097						Si
14	22.81	5.4	22.81	6.7	425826	LU 13	414966	2711944	0.097						Si
23	22.81	5.4	22.81	6.7	366928	LU 13	366928	2711944	0.097						Si
28	22.81	5.4	21.84	6.8	328493	LU 13	366928	2668050	0.097						Si
42	22.81	5.4	21.49	6.8	229154	LU 13	366928	2556514	0.096	135613	LU 2	-26514	-2828025	0.116	Si
56	22.81	5.4	18.74	6.6	128212	LU 10	335971	2244759	0.092	58505	LU 3	-127104	-2817291	0.115	Si
63	22.81	5.4	16.25	6.6	77238	LU 10	286628	1957648	0.09	19248	LU 3	-180208	-2808031	0.116	Si
77	22.81	5.4	11.4	5.4	-20165	LU 1	186439	1422107	0.084	-66473	LU 12	-287920	-2773209	0.105	Si
91	22.81	5.4	11.4	5.4	-101288	LU 1	85030	1422107	0.084	-172026	LU 12	-397639	-2773209	0.105	Si
105	22.81	5.4	11.4	5.4	-183954	LU 1	22494	1422107	0.084	-279584	LU 12	-509364	-2773209	0.105	Si
119	22.81	5.4	11.4	5.4	-268164	LU 1	20990	1422107	0.084	-389150	LU 12	-623096	-2773209	0.105	Si
133	22.81	5.4	11.4	5.4	-353917	LU 1	16475	1422107	0.084	-500722	LU 12	-738834	-2773209	0.105	Si
147	26.59	5.4	13.26	5.4	-441214	LU 1	8950	1642181	0.085	-614300	LU 12	-856884	-3220466	0.11	Si
161	27.91	5.4	14.2	5.4						-729885	LU 12	-955327	-3376326	0.111	Si
168	28.57	5.4	14.68	5.4						-788430	LU 12	-955327	-3454378	0.112	Si
182	29.89	5.4	15.21	5.4						-907753	LU 18	-955327	-3610096	0.113	Si
187	30.41	5.4	15.21	5.4						-955327	LU 18	-955327	-3671293	0.114	Si
196	30.41	5.4	15.21	5.4						-1029352	LU 18	-1015104	-3671293	0.114	Si
210	30.41	5.4	15.21	5.4						-1152959	LU 18	-1052868	-3671293	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.25	0	-6769	LU 17	-6769	-12166	-75321	0	-12166	1	Si
14	0	11.4	0	-6912	LU 17	-6912	-10811	-75321	0	-10811	1	Si
21	0	11.4	0	-6984	LU 17	-6984	-10811	-75321	0	-10811	1	Si
23	0.323	11.4	0	-6999	LU 17	-6999	-10811	-75321	-36715	-36715	1	Si
28	0.323	11.4	0	-7055	LU 17	-7055	-10809	-75295	-36702	-36702	1	Si
42	0.323	11.4	0	-7199	LU 17	-7199	-10805	-75224	-36667	-36667	1	Si
56	0.323	11.4	0	-7342	LU 17	-7342	-10819	-75437	-36771	-36771	1	Si
63	0.323	11.4	0	-7414	LU 17	-7414	-10823	-75488	-36796	-36796	1	Si
77	0.323	22.81	0	-7557	LU 17	-7557	-13760	-76908	-37488	-37488	1	Si
91	0.323	22.81	0	-7700	LU 17	-7700	-13760	-76908	-37488	-37488	1	Si
105	0.323	22.81	0	-7844	LU 17	-7844	-13760	-76908	-37488	-37488	1	Si
119	0.323	22.81	0	-7987	LU 17	-7987	-13760	-76908	-37488	-37488	1	Si
133	0.323	22.81	0	-8130	LU 17	-8130	-13760	-76908	-37488	-37488	1	Si
147	0.323	22.81	0	-8274	LU 17	-8274	-13760	-76908	-37488	-37488	1	Si
161	0.323	22.81	0	-8417	LU 17	-8417	-13760	-76908	-37488	-37488	1	Si
168	0.323	22.81	0	-8489	LU 17	-8489	-13760	-76908	-37488	-37488	1	Si
182	0.323	22.81	0	-8632	LU 17	-8632	-13760	-76908	-37488	-37488	1	Si
187	0.323	22.81	0	-8688	LU 17	-8688	-13760	-76908	-37488	-37488	1	Si
196	0	22.81	0	-8775	LU 17	-8775	-13760	-76908	0	-13760	1	Si
210	0	26.59	0	-8919	LU 17	-8919	-14483	-76908	0	-14483	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	400557	4	342295	8.4	124.5	271.4	1837	398419	1	340641	8.4	93.4	0	+∞	Si
14	327322	4	318979	7.8	124.5	252.9	1837	325786	1	317512	7.8	93.4	0	+∞	Si
23	282072	4	282072	6.9	124.5	223.7	1837	280901	1	280901	6.9	93.4	0	+∞	Si
28	252543	4	282072	7	124.5	227.4	1837	251609	1	280901	6.9	93.4	0	+∞	Si
42	176221	4	282072	7.1	124.5	237.5	1837	175889	1	280901	7	93.4	0	+∞	Si
56	98625	1	258288	6.7	124.5	246.4	1837	98625	1	257308	6.7	93.4	0	+∞	Si
63	59414	1	220379	6	124.5	240.8	1837	59414	1	219700	6	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
77	-47004	3	-217328	5.9	124.5	165.7	1837	-28041	2	-198088	5.4	93.4	0	+∞	Si
91	-128189	3	-301718	8.2	124.5	230	1837	-109092	2	-282344	7.7	93.4	0	+∞	Si
105	-210917	3	-387651	10.6	124.5	295.5	1837	-191687	2	-368143	10	93.4	0	+∞	Si
119	-295188	3	-475127	13	124.5	362.2	1837	-275825	2	-455486	11.8	93.4	0	+∞	Si
133	-381003	3	-564147	15.4	124.5	430.1	1837	-361506	2	-544373	14.8	93.4	0	+∞	Si
147	-468362	3	-654914	16.6	124.5	430.2	1837	-448731	2	-634803	16.1	93.4	0	+∞	Si
161	-557264	3	-730548	18.1	124.5	457.6	1837	-537500	2	-709784	17.6	93.4	0	+∞	Si
168	-602294	3	-730548	17.9	124.5	447.2	1837	-582463	2	-709784	17.4	93.4	0	+∞	Si
182	-693996	9	-730548	17.5	124.5	428.1	1837	-673546	2	-709784	17	93.4	0	+∞	Si
187	-730548	9	-730548	17.4	124.5	421.1	1837	-709784	2	-709784	16.9	93.4	0	+∞	Si
196	-787423	9	-776475	18.5	124.5	447.6	1837	-766174	2	-755318	18	93.4	0	+∞	Si
210	-882392	9	-805490	19.2	124.5	464.3	1837	-860344	2	-784084	18.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
14	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
28	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
42	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	1	-0.001	1	9999	Si
56	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
63	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
77	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
91	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
105	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
119	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
133	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
140	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
147	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
161	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
168	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
182	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
187	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
196	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si

Campata 10 tra i fili 11 - 12, sezione R 45x70, asta 991

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-753969	LU 18	-705111	-3671293	0.114	Si
20	30.41	5.4	15.21	5.4						-667618	LU 18	-667253	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-658755	LU 18	-658755	-3671293	0.114	Si
41	28.7	5.4	14.77	5.4						-585500	LU 18	-658755	-3469228	0.112	Si
61	26.78	5.4	13.4	5.4						-507614	LU 18	-620329	-3242783	0.11	Si
81	22.81	5.4	11.4	5.4	-327959	LU 1	12176	1422107	0.084	-433961	LU 18	-540625	-2773209	0.105	Si
92	21.33	5.4	11.4	5.4	-301598	LU 1	22493	1422107	0.084	-398722	LU 18	-502360	-2599019	0.102	Si
112	17.5	5.4	11.4	5.4	-251316	LU 1	38366	1422107	0.084	-331417	LU 18	-429004	-2145126	0.094	Si
132	13.67	5.4	11.4	5.4	-204290	LU 1	47889	1422094	0.084	-268679	LU 12	-359881	-1690634	0.087	Si
142	7.6	5.4	11.4	5.4	-181998	LU 1	50270	1422093	0.084	-238936	LU 12	-326907	-970824	0.078	Si
153	7.6	5.4	11.4	5.4	-160143	LU 6	51064	1422093	0.084	-210251	LU 12	-295148	-970824	0.078	Si
173	7.6	5.4	11.4	5.4	-118587	LU 7	47889	1422093	0.084	-156633	LU 13	-234901	-970824	0.078	Si
193	7.6	5.4	11.4	5.4	-79429	LU 7	38366	1422093	0.084	-108121	LU 13	-179104	-970824	0.078	Si
214	10.8	5.4	11.4	5.4	-43526	LU 7	22493	1422094	0.084	-63842	LU 13	-128510	-1350616	0.083	Si
234	12.72	5.4	11.4	5.4	-10880	LU 7	36166	1422094	0.084	-23795	LU 13	-82413	-1578074	0.086	Si
244	13.68	5.4	13.4	5.4	4222	LU 7	52488	1658444	0.086	-5359	LU 13	-60951	-1691669	0.087	Si
264	15.21	5.4	14.77	5.4	38589	LU 16	66657	1820691	0.088	21733	LU 4	-21202	-1872798	0.089	Si
283	15.21	5.4	15.21	5.4	66657	LU 16	66657	1872764	0.089						Si
285	15.21	5.4	15.21	5.4	69878	LU 16	69661	1872764	0.089						Si
305	15.21	5.4	15.21	5.4	96934	LU 16	83047	1872764	0.089						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.78	0	4351	LU 18	4351	14517	76908	0	14517	1	Si
20	0	22.81	0	4143	LU 18	4143	13760	76908	0	13760	1	Si
23	0.172	21.33	0	4121	LU 18	4121	13457	76908	20007	20007	1	Si
41	0.172	19.42	0	3935	LU 18	3935	13042	76908	20007	20007	1	Si
61	0.172	15.58	0	3726	LU 18	3726	12120	76908	20007	20007	1	Si
81	0.172	7.6	0	3518	LU 18	3518	9541	76908	20007	20007	1	Si
92	0.172	7.6	0	3414	LU 18	3414	9541	76908	20007	20007	1	Si
112	0.159	7.6	0	3206	LU 18	3206	9541	76908	18479	18479	1	Si
132	0.159	7.6	0	2998	LU 18	2998	9541	76908	18479	18479	1	Si
153	0.159	10.8	0	2790	LU 18	2790	10726	76908	18479	18479	1	Si
173	0.159	12.72	0	2581	LU 18	2581	11326	76908	18479	18479	1	Si
193	0.159	13.67	0	2373	LU 18	2373	11601	76908	18479	18479	1	Si
214	0.158	7.6	0	2165	LU 18	2165	9541	76908	18340	18340	1	Si
234	0.158	7.6	0	1957	LU 18	1957	9541	76908	18340	18340	1	Si
244	0.158	11.4	0	1853	LU 18	1853	10922	76908	18340	18340	1	Si
264	0.158	11.4	0	1645	LU 18	1645	10922	76908	18340	18340	1	Si
283	0.158	11.4	0	1459	LU 18	1459	10922	76908	18340	18340	1	Si
285	0	11.4	0	1437	LU 18	1437	10922	76908	0	10922	1	Si
305	0	13.4	0	1228	LU 18	1228	11524	76908	0	11524	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-578400	9	-540927	12.9	124.5	311.8	1837	-570635	2	-533711	12.7	93.4	0	+∞	Si
20	-512175	9	-511895	12.2	124.5	295.1	1837	-505404	2	-505129	12	93.4	0	+∞	Si
23	-505379	9	-505379	12.1	124.5	291.3	1837	-498713	2	-498713	11.9	93.4	0	+∞	Si
41	-449206	9	-505379	12.3	124.5	308.1	1837	-443429	2	-498713	12.2	93.4	0	+∞	Si
61	-389493	9	-475912	12	124.5	310.4	1837	-384710	2	-469708	11.9	93.4	0	+∞	Si
81	-333035	9	-414800	11.3	124.5	316.2	1837	-329246	2	-409590	11.2	93.4	0	+∞	Si
92	-306027	9	-385465	10.7	124.5	313.2	1837	-302736	2	-380752	10.6	93.4	0	+∞	Si
112	-254454	9	-329236	9.8	124.5	323.4	1837	-252156	2	-325517	9.7	93.4	0	+∞	Si
132	-206358	3	-276264	8.9	124.5	344.3	1837	-204833	2	-273539	8.8	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
153	-161570	3	-226651	5.1	124.5	78.6	1837	-160765	2	-224817	9	93.4	0	+∞	Si
173	-120423	4	-180464	4.1	124.5	62.6	1837	-120006	1	-179350	7.2	93.4	0	+∞	Si
193	-83114	4	-137678	3.1	124.5	47.7	1837	-82748	1	-137139	5.5	93.4	0	+∞	Si
214	-49061	4	-98795	3.5	124.5	154.6	1837	-48746	1	-98407	3.5	93.4	0	+∞	Si
234	-18263	4	-63343	2.1	124.5	84.6	1837	-17999	1	-63006	2.1	93.4	0	+∞	Si
244	1532	7	39269	1.2	124.5	49.8	1837								Si
244	-4086	4	-46837	1.5	124.5	58.2	1837	-3847	1	-46526	1.5	93.4	0	+∞	Si
264	28662	7	50078	1.5	124.5	57.7	1837	23408	2	43959	1.3	93.4	0	+∞	Si
283	50078	7	50078	1.5	124.5	56.1	1837	43959	2	43959	1.3	93.4	0	+∞	Si
285	52535	7	52369	1.6	124.5	58.7	1837	46313	2	46152	1.4	93.4	0	+∞	Si
305	73152	7	62578	1.9	124.5	70.1	1837	65961	2	55923	1.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
23	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
41	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
61	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	1	-0.01	1	9999	Si
81	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
92	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.012	1	9999	Si
112	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.012	1	9999	Si
122	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.012	1	9999	Si
132	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.012	1	9999	Si
153	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.012	1	9999	Si
173	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
193	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
214	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	2	-0.008	2	9999	Si
234	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
244	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
264	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
283	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
285	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si

Campata 11 tra i fili 12 - 13, sezione R 45x70, asta 992

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4						-49022	LU 10	-27838	-1872764	0.089	Si
17	15.21	5.4	15.21	5.4	13343	LU 9	13343	1872764	0.089	-18070	LU 10	-16963	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4	19893	LU 9	60139	1872764	0.089	-9157	LU 10	-9157	-1872764	0.089	Si
34	15.21	5.4	15.19	5.4	36121	LU 18	74783	1871235	0.089	7588	LU 1	-9157	-1872762	0.089	Si
51	14.57	5.4	14.04	5.4	60051	LU 18	93605	1734234	0.087	26756	LU 1	-9157	-1797813	0.088	Si
69	12.95	5.4	11.4	5.4	80964	LU 18	109409	1422094	0.084						Si
77	12.15	5.4	11.4	5.4	90290	LU 18	116180	1422094	0.084						Si
94	7.6	5.4	11.4	5.4	106677	LU 18	127459	1422093	0.084						Si
112	7.6	5.4	11.4	5.4	120048	LU 18	135721	1422093	0.084						Si
129	7.6	5.4	11.4	5.4	130402	LU 18	140966	1422093	0.084						Si
146	7.6	5.4	11.4	5.4	137740	LU 18	143195	1422093	0.084						Si
154	7.6	5.4	11.4	5.4	140277	LU 18	143363	1422093	0.084						Si
163	7.6	5.4	11.4	5.4	142060	LU 18	143363	1422093	0.084						Si
180	9.87	5.4	11.4	5.4	143363	LU 18	143363	1422093	0.084						Si
197	10.68	5.4	11.4	5.4	141649	LU 18	143363	1422094	0.084						Si
206	11.09	5.4	11.4	5.4	139661	LU 18	143363	1422094	0.084						Si
223	11.4	5.4	11.4	5.4	133422	LU 18	142127	1422094	0.084						Si
235	11.4	5.4	11.4	5.4	127276	LU 18	139677	1422094	0.084						Si
240	11.4	5.4	11.4	5.4	124166	LU 18	124166	1422094	0.084						Si
257	11.4	5.4	11.4	5.4	111893	LU 18	111893	1422094	0.084						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	12.95	0	1891	LU 10	1891	11396	76908	0	11396	1	Si
17	0	11.34	0	1715	LU 10	1715	10900	76908	0	10900	1	Si
23	0.101	11.34	0	1661	LU 10	1661	10900	76908	11671	11671	1	Si
34	0.101	11.4	0	1539	LU 10	1539	10922	76908	11671	11671	1	Si
51	0.101	11.4	0	1364	LU 10	1364	10922	76908	11671	11671	1	Si
69	0.101	11.4	0	1188	LU 10	1188	10922	76908	11671	11671	1	Si
77	0.101	11.4	0	1100	LU 10	1100	10922	76908	11671	11671	1	Si
94	0.097	11.4	0	924	LU 10	924	10922	76908	11268	11268	1	Si
112	0.097	11.4	0	749	LU 10	749	10922	76908	11268	11268	1	Si
129	0.097	11.4	0	573	LU 10	573	10922	76908	11268	11268	1	Si
146	0.097	11.4	0	397	LU 10	397	10922	76908	11268	11268	1	Si
163	0.097	11.4	0	221	LU 10	221	10922	76908	11268	11268	1	Si
180	0.101	11.4	0	46	LU 10	46	10922	76908	11671	11671	1	Si
180	0.101	11.4	0	-22	LU 9	-22	-10922	-76908	-11671	-11671	1	Si
197	0.101	11.4	0	-188	LU 18	-188	-10922	-76908	-11671	-11671	1	Si
206	0.101	11.4	0	-276	LU 18	-276	-10922	-76908	-11671	-11671	1	Si
223	0.101	11.4	0	-451	LU 18	-451	-10922	-76908	-11671	-11671	1	Si
235	0.101	11.4	0	-572	LU 18	-572	-10922	-76908	-11671	-11671	1	Si
240	0	11.4	0	-627	LU 18	-627	-10922	-76908	0	-10922	1	Si
257	0	11.4	0	-803	LU 18	-803	-10922	-76908	0	-10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-37709	1	-21414	0.6	124.5	24	1837	-37709	1	-21414	0.6	93.4	0	+∞	Si
17	4262	9	4262	0.1	124.5	4.8	1837								Si
17	-13900	1	-13049	0.4	124.5	14.6	1837	-13900	1	-13049	0.4	93.4	0	+∞	Si
23	10914	9	43670	1.3	124.5	48.9	1837								Si
23	-7044	1	-7044	0.2	124.5	7.9	1837	-7044	1	-7044	0.2	93.4	0	+∞	Si
34	25092	9	55004	1.6	124.5	61.7	1837	11340	2	42054	1.2	93.4	0	+∞	Si
51	43601	9	69584	2.1	124.5	84.3	1837	30323	2	57107	1.8	93.4	0	+∞	Si
69	59790	9	81842	2.8	124.5	121.4	1837	46985	2	69839	1.8	93.4	0	+∞	Si
77	67014	9	87101	3	124.5	129.2	1837	54446	2	75335	2.6	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
94	79721	9	95879	3.5	124.5	142.8	1837	67627	2	84586	3.1	93.4	0	+∞	Si
112	90108	9	102335	3.7	124.5	151.8	1837	78487	2	91517	3.3	93.4	0	+∞	Si
129	98174	9	106471	3.9	124.5	158.5	1837	87027	2	96127	3.5	93.4	0	+∞	Si
146	103919	9	108287	3.9	124.5	161.2	1837	93246	2	98416	3.6	93.4	0	+∞	Si
163	107344	9	108447	3.9	124.5	161.5	1837	97144	2	98721	3.6	93.4	0	+∞	Si
180	108447	9	108447	3.8	124.5	161.2	1837	98721	2	98721	3.5	93.4	0	+∞	Si
197	107230	9	108447	3.8	124.5	161.1	1837	97978	2	98721	3.4	93.4	0	+∞	Si
206	105752	9	108447	3.8	124.5	161	1837	96736	2	98721	3.4	93.4	0	+∞	Si
223	101054	9	107578	3.7	124.5	159.7	1837	92512	2	98234	3.4	93.4	0	+∞	Si
235	96396	9	105764	3.6	124.5	157	1837	88181	2	96746	3.3	93.4	0	+∞	Si
240	94035	9	94035	3.2	124.5	139.6	1837	85967	2	85967	3	93.4	0	+∞	Si
257	84696	9	84696	2.9	124.5	125.7	1837	77101	2	77101	2.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
34	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2	0.001	2	9999	Si
51	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
69	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
77	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
94	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
112	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
129	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
146	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
163	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
180	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
197	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
206	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
223	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
235	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2	0.001	2	9999	Si
240	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si

Campata 12 tra i fili 13 - 14, sezione R 45x70, asta 993

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	112170	LU 18	112170	1422094	0.084						Si
20	11.4	5.4	11.4	5.4	117483	LU 18	117435	1422094	0.084						Si
23	11.4	5.4	11.4	5.4	117737	LU 18	118633	1422094	0.084						Si
40	11.4	5.4	11.4	5.4	118633	LU 18	118633	1422094	0.084						Si
61	10.66	5.4	11.4	5.4	115619	LU 18	118633	1422094	0.084						Si
81	9.71	5.4	11.4	5.4	108441	LU 18	117409	1422093	0.084						Si
91	9.24	5.4	11.4	5.4	103291	LU 18	115260	1422093	0.084						Si
111	7.6	5.4	11.4	5.4	90403	LU 16	107839	1422093	0.084						Si
131	7.6	5.4	11.4	5.4	74538	LU 11	96421	1422093	0.084						Si
151	12.14	5.4	13.21	5.4	57611	LU 10	81538	1635957	0.086						Si
171	14.99	5.4	11.92	5.4	38990	LU 10	64453	1483667	0.084	15621	LU 9	-21216	-1847579	0.089	Si
192	17.84	5.4	14.64	5.4	16206	LU 10	47670	1805518	0.087	-9198	LU 9	-56194	-2185255	0.093	Si
212	19.01	5.4	15.21	5.4	-8263	LU 1	26724	1872544	0.088	-39699	LU 18	-96436	-2323187	0.094	Si
232	19.01	5.4	15.21	5.4	-32195	LU 1	1614	1872544	0.088	-78103	LU 18	-140842	-2323187	0.094	Si
242	19.01	5.4	15.21	5.4						-98866	LU 18	-164606	-2323187	0.094	Si
262	19.01	5.4	15.21	5.4						-143515	LU 18	-174200	-2323187	0.094	Si
275	19.01	5.4	15.21	5.4						-174200	LU 18	-174200	-2323187	0.094	Si
282	19.01	5.4	15.21	5.4						-192328	LU 18	-189762	-2323187	0.094	Si
303	19.01	5.4	15.21	5.4						-245305	LU 18	-207868	-2323187	0.094	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	728	LU 10	728	10922	76908	0	10922	1	Si
20	0	11.4	0	522	LU 10	522	10922	76908	0	10922	1	Si
23	0.115	11.4	0	498	LU 10	498	10922	76908	13338	13338	1	Si
40	0.115	11.4	0	315	LU 10	315	10922	76908	13338	13338	1	Si
40	0.115	11.4	0	-119	LU 9	-119	-10922	-76908	-13338	-13338	1	Si
61	0.115	11.4	0	109	LU 10	109	10922	76908	13338	13338	1	Si
61	0.115	11.4	0	-278	LU 9	-278	-10922	-76908	-13338	-13338	1	Si
81	0.115	11.4	0	-459	LU 18	-459	-10922	-76908	-13338	-13338	1	Si
91	0.115	11.4	0	-562	LU 18	-562	-10922	-76908	-13338	-13338	1	Si
111	0.125	11.4	0	-769	LU 18	-769	-10922	-76908	-14524	-14524	1	Si
131	0.125	11.4	0	-975	LU 18	-975	-10922	-76908	-14524	-14524	1	Si
151	0.125	11.4	0	-1182	LU 18	-1182	-10922	-76908	-14524	-14524	1	Si
171	0.125	11.4	0	-1388	LU 18	-1388	-10922	-76908	-14524	-14524	1	Si
192	0.125	7.6	0	-1595	LU 18	-1595	-9541	-76908	-14524	-14524	1	Si
212	0.129	12.14	0	-1801	LU 18	-1801	-11152	-76908	-15005	-15005	1	Si
232	0.129	14.99	0	-2008	LU 18	-2008	-11964	-76908	-15005	-15005	1	Si
242	0.129	16.42	0	-2111	LU 18	-2111	-12332	-76908	-15005	-15005	1	Si
262	0.129	19.01	0	-2317	LU 18	-2317	-12949	-76908	-15005	-15005	1	Si
275	0.129	19.01	0	-2449	LU 18	-2449	-12949	-76908	-15005	-15005	1	Si
282	0	19.01	0	-2524	LU 18	-2524	-12949	-76908	0	-12949	1	Si
303	0	19.01	0	-2730	LU 18	-2730	-12949	-76908	0	-12949	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	81401	9	81401	2.8	124.5	120.8	1837	56028	2	56028	1.9	93.4	0	+∞	Si
20	86236	9	86203	3	124.5	128	1837	64821	2	64812	2.2	93.4	0	+∞	Si
23	86517	9	87868	3	124.5	130.4	1837	65560	2	72095	2.5	93.4	0	+∞	Si
40	87868	9	87868	3	124.5	130.4	1837	70411	2	72798	2.5	93.4	0	+∞	Si
61	86298	9	87868	3.1	124.5	130.5	1837	72798	2	72798	2.5	93.4	0	+∞	Si
81	81524	9	87345	3.1	124.5	129.8	1837	71982	2	72798	2.6	93.4	0	+∞	Si
91	77937	9	86065	3.1	124.5	128	1837	70373	2	72797	2.6	93.4	0	+∞	Si
111	68716	7	81105	2.9	124.5	120.8	1837	64753	2	71794	2.6	93.4	0	+∞	Si
131	57083	2	73053	2.7	124.5	108.8	1837	55931	2	67588	2.5	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
151	44316	1	62263	2	124.5	80.2	1837	44316	1	60179	1.9	93.4	0	+∞	Si
171	29992	1	49579	1.6	124.5	70.3	1837	29992	1	49579	1.6	93.4	0	+∞	Si
192	12466	1	36670	1.1	124.5	42.6	1837	12466	1	36670	1.1	93.4	0	+∞	Si
192	-1977	9	-39926	1.1	124.5	38.4	1837								Si
212	-27568	9	-70134	1.9	124.5	63.4	1837	-11386	2	-48247	1.3	93.4	0	+∞	Si
232	-56361	9	-103544	2.9	124.5	93.6	1837	-36222	2	-77700	2.1	93.4	0	+∞	Si
242	-71959	9	-121450	3.3	124.5	109.8	1837	-49841	2	-93628	2.6	93.4	0	+∞	Si
262	-105557	9	-128684	3.5	124.5	116.3	1837	-79481	2	-100090	2.8	93.4	0	+∞	Si
275	-128684	9	-128684	3.5	124.5	116.3	1837	-100090	2	-100090	2.8	93.4	0	+∞	Si
282	-142357	9	-140419	3.9	124.5	126.9	1837	-112324	2	-110578	3	93.4	0	+∞	Si
303	-182360	9	-154073	4.2	124.5	139.3	1837	-148370	2	-122781	3.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
40	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
61	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
81	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
91	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
111	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
131	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
151	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
171	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
192	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	1	0.001	1	9999	Si
212	0.001	0	0	0	0.001	0	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
232	0	0	0	0	0	0	0	0	0	0	0.001	1	0	1	9999	Si
242	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
262	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
275	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
282	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Trave a "Piano 1" 10-3

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 10 - 3, sezione R 45x70, asta 1023

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-492032	LU 12	-443130	-970067	0.076	Si
23	7.6	5.4	7.6	5.4						-396791	LU 12	-396791	-970067	0.076	Si
46	7.6	5.4	7.6	5.4						-302794	LU 12	-396791	-970067	0.076	Si
69	7.6	5.4	7.6	5.4						-216298	LU 12	-326693	-970067	0.076	Si
92	7.6	5.4	7.6	5.4	-97231	LU 1	16792	970067	0.076	-135218	LU 12	-238768	-970067	0.076	Si
103	7.6	5.4	7.6	5.4	-67785	LU 1	29992	970067	0.076	-96708	LU 12	-196836	-970067	0.076	Si
126	7.6	5.4	7.6	5.4	-12018	LU 1	68089	970067	0.076	-23960	LU 18	-117034	-970067	0.076	Si
149	7.6	5.4	7.6	5.4	51458	LU 10	128326	970067	0.076	31004	LU 9	-42672	-970067	0.076	Si
172	7.6	5.4	7.6	5.4	113123	LU 10	183146	970067	0.076						Si
195	7.6	5.4	7.6	5.4	169373	LU 10	232551	970067	0.076						Si
218	7.6	5.4	7.6	5.4	220207	LU 10	276541	970067	0.076						Si
241	7.6	5.4	7.6	5.4	265626	LU 10	315115	970067	0.076						Si
264	7.6	5.4	7.6	5.4	305629	LU 10	348273	970067	0.076						Si
276	7.6	5.4	7.6	5.4	323600	LU 10	362821	970067	0.076						Si
299	7.6	5.4	7.6	5.4	355479	LU 10	382430	970067	0.076						Si
322	7.6	5.4	7.6	5.4	382430	LU 10	382430	970067	0.076						Si
345	7.6	5.4	7.6	5.4	402992	LU 10	393993	970067	0.076						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4350	LU 11	4350	9541	76908	0	9541	1	Si
23	0.115	7.6	0	4120	LU 11	4120	9541	76908	13338	13338	1	Si
46	0.115	7.6	0	3879	LU 11	3879	9541	76908	13338	13338	1	Si
69	0.115	7.6	0	3644	LU 11	3644	9541	76908	13338	13338	1	Si
92	0.115	7.6	0	3408	LU 11	3408	9541	76908	13338	13338	1	Si
103	0.107	7.6	0	3290	LU 11	3290	9541	76908	12401	12401	1	Si
126	0.107	7.6	0	3055	LU 11	3055	9541	76908	12401	12401	1	Si
149	0.107	7.6	0	2819	LU 11	2819	9541	76908	12401	12401	1	Si
172	0.107	7.6	0	2584	LU 11	2584	9541	76908	12401	12401	1	Si
195	0.107	7.6	0	2349	LU 11	2349	9541	76908	12401	12401	1	Si
218	0.107	7.6	0	2113	LU 11	2113	9541	76908	12401	12401	1	Si
241	0.107	7.6	0	1878	LU 11	1878	9541	76908	12401	12401	1	Si
264	0.101	7.6	0	1642	LU 11	1642	9541	76908	11671	11671	1	Si
276	0.101	7.6	0	1524	LU 11	1524	9541	76908	11671	11671	1	Si
299	0.101	7.6	0	1289	LU 11	1289	9541	76908	11671	11671	1	Si
322	0.101	7.6	0	1048	LU 11	1048	9541	76908	11671	11671	1	Si
345	0	7.6	0	818	LU 11	818	9541	76908	0	9541	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-377393	3	-339799	8	124.5	120	1837	-372213	2	-334723	14.2	93.4	0	+∞	Si
23	-304177	3	-304177	7.2	124.5	107.5	1837	-299204	2	-299204	12.7	93.4	0	+∞	Si
46	-231919	3	-304177	7.2	124.5	107.5	1837	-227163	2	-299204	12.7	93.4	0	+∞	Si
69	-165431	3	-250291	5.9	124.5	88.4	1837	-160887	2	-245479	10.4	93.4	0	+∞	Si
92	-103109	3	-182704	4.3	124.5	64.5	1837	-98776	2	-178103	7.5	93.4	0	+∞	Si
103	-73510	3	-150472	3.5	124.5	53.2	1837	-69283	2	-145977	6.2	93.4	0	+∞	Si
126	-17576	9	-89133	2.1	124.5	31.5	1837	-13422	2	-84850	3.6	93.4	0	+∞	Si
149	39583	1	98712	2.3	124.5	34.9	1837	39583	1	98712	4.2	93.4	0	+∞	Si
172	87018	1	140882	3.3	124.5	49.8	1837	87018	1	140882	6	93.4	0	+∞	Si
195	130287	1	178886	4.2	124.5	63.2	1837	130287	1	178886	7.6	93.4	0	+∞	Si
218	169390	1	212724	5	124.5	75.2	1837	169390	1	212724	9	93.4	0	+∞	Si
241	204328	1	242396	5.7	124.5	85.6	1837	204328	1	242396	10.3	93.4	0	+∞	Si
264	235099	1	267902	6.3	124.5	94.6	1837	235099	1	267902	11.3	93.4	0	+∞	Si
276	248923	1	279093	6.6	124.5	98.6	1837	248923	1	279093	11.8	93.4	0	+∞	Si
299	273446	1	294177	6.9	124.5	103.9	1837	273446	1	294177	11.8	93.4	0	+∞	Si
322	294177	1	294177	6.9	124.5	103.9	1837	294177	1	294177	11.8	93.4	0	+∞	Si
345	309994	1	303071	7.1	124.5	107.1	1837	309994	1	303071	12.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
46	0	0	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
69	0	0	0	0	0	0	0	0	0	0	0	1	-0.001	1	9999	Si
92	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	1	0.001	1	9999	Si
103	0.001	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.001	1	9999	Si
126	0.002	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	1	0.003	1	9999	Si
149	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si
172	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	1	0.007	1	9999	Si
195	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	1	0.008	1	9999	Si
218	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	1	0.009	1	9999	Si
241	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	1	0.009	1	9999	Si
264	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	1	0.009	1	9999	Si
276	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.008	1	0.008	1	9999	Si
299	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
322	0.002	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si

Trave a "Piano 1" 15A-25

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 15A - 15, sezione R 45x70, asta 1001

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	19.01	5.4						-403333	LU 18	-346378	-2772814	0.097	Si
23	22.81	5.4	19.01	5.4						-291706	LU 18	-291706	-2772814	0.097	Si
31	22.81	5.4	19.01	5.4						-249667	LU 18	-291706	-2772814	0.097	Si
62	22.81	5.4	19.01	5.4	-61399	LU 1	32002	2322640	0.091	-105945	LU 18	-239831	-2772814	0.097	Si
94	22.81	5.4	19.01	5.4	39888	LU 10	154734	2322640	0.091	18628	LU 9	-96778	-2772814	0.097	Si
125	20.56	5.4	16.47	5.4	162912	LU 11	269507	2021729	0.089						Si
140	17.63	5.4	11.4	5.4	221207	LU 11	323164	1422107	0.084						Si
171	7.6	5.4	11.4	5.4	330338	LU 11	423731	1422093	0.084						Si
203	7.6	5.4	11.4	5.4	430301	LU 12	514605	1422093	0.084						Si
234	7.6	5.4	11.4	5.4	520506	LU 12	595535	1422093	0.084						Si
265	7.6	5.4	11.4	5.4	600767	LU 12	666520	1422093	0.084						Si
296	7.6	5.4	11.4	5.4	671083	LU 12	727561	1422093	0.084						Si
327	7.6	5.4	11.4	5.4	731455	LU 12	778657	1422093	0.084						Si
358	7.6	5.4	14.98	5.4	781883	LU 12	819810	1847220	0.092						Si
374	10.61	5.4	15.21	5.4	803367	LU 12	836657	1873106	0.09						Si
405	13.55	5.4	18.79	5.4	838878	LU 12	862893	2297090	0.095						Si
436	15.21	5.4	19.01	5.4	864445	LU 12	869481	2323187	0.094						Si
445	15.21	5.4	19.01	5.4	869481	LU 12	869481	2323187	0.094						Si
468	15.21	5.4	19.01	5.4	880068	LU 12	875917	2323187	0.094						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	5128	LU 12	5128	13760	76908	0	13760	1	Si
23	0.129	22.81	0	4897	LU 12	4897	13760	76908	15005	15005	1	Si
31	0.129	22.81	0	4809	LU 12	4809	13760	76908	15005	15005	1	Si
62	0.129	20.56	0	4490	LU 12	4490	13294	76908	15005	15005	1	Si
94	0.117	11.4	0	4171	LU 12	4171	10922	76908	13633	13633	1	Si
125	0.117	11.4	0	3851	LU 12	3851	10922	76908	13633	13633	1	Si
140	0.117	11.4	0	3692	LU 12	3692	10922	76908	13633	13633	1	Si
171	0.117	11.4	0	3373	LU 12	3373	10922	76908	13633	13633	1	Si
203	0.117	11.4	0	3054	LU 12	3054	10922	76908	13633	13633	1	Si
234	0.117	11.4	0	2735	LU 12	2735	10922	76908	13633	13633	1	Si
265	0.117	11.4	0	2416	LU 12	2416	10922	76908	13633	13633	1	Si
296	0.117	11.4	0	2097	LU 12	2097	10922	76908	13633	13633	1	Si
327	0.117	11.4	0	1778	LU 12	1778	10922	76908	13633	13633	1	Si
358	0.117	11.4	0	1458	LU 12	1458	10922	76908	13633	13633	1	Si
374	0.117	11.4	0	1299	LU 12	1299	10922	76908	13633	13633	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
405	0.101	13.93	0	980	LU 12	980	11676	76908	11671	11676	1	Si
436	0.101	15.21	0	661	LU 12	661	12021	76908	11671	12021	1	Si
445	0.101	15.21	0	572	LU 12	572	12021	76908	11671	12021	1	Si
468	0	18.79	0	376	LU 3	376	12899	76908	0	12899	1	Si
468	0	18.79	0	-148	LU 10	-148	-12899	-76908	0	-12899	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-304690	9	-261399	6.5	124.5	197.6	1837	-277287	2	-236351	5.9	93.4	0	+∞	Si
23	-219865	9	-219865	5.5	124.5	166.2	1837	-197172	2	-197172	4.9	93.4	0	+∞	Si
31	-187929	9	-219865	5.5	124.5	166.2	1837	-167049	2	-197172	4.9	93.4	0	+∞	Si
62	-78817	9	-180460	4.5	124.5	136.4	1837	-64461	2	-160019	4	93.4	0	+∞	Si
94	30683	1	117765	3	124.5	105.8	1837	30683	1	112024	2.8	93.4	0	+∞	Si
125	123957	2	204586	5.5	124.5	211.5	1837	117768	2	192179	5.2	93.4	0	+∞	Si
140	168066	2	245128	7.8	124.5	362.5	1837	158544	2	229388	7.3	93.4	0	+∞	Si
171	250548	2	320950	11.7	124.5	477.9	1837	234359	2	298068	10.8	93.4	0	+∞	Si
203	325898	3	389289	14.1	124.5	579.6	1837	302525	2	359099	13	93.4	0	+∞	Si
234	393723	3	449978	16.3	124.5	670	1837	363042	2	412481	15	93.4	0	+∞	Si
265	453898	3	503018	18.3	124.5	748.9	1837	415909	2	458213	16.6	93.4	0	+∞	Si
296	506423	3	548409	19.9	124.5	816.5	1837	461126	2	496296	18	93.4	0	+∞	Si
327	551299	3	586150	21.3	124.5	872.7	1837	498694	2	526729	19.1	93.4	0	+∞	Si
358	588526	3	616242	20.3	124.5	705.7	1837	528613	2	549513	18.1	93.4	0	+∞	Si
374	604271	3	628419	19.8	124.5	707.2	1837	540704	2	558036	17.6	93.4	0	+∞	Si
405	630023	3	647037	18.3	124.5	592.5	1837	559148	2	569345	16.1	93.4	0	+∞	Si
436	648126	3	651565	18	124.5	588.9	1837	569943	2	571349	15.7	93.4	0	+∞	Si
445	651565	3	651565	18	124.5	588.9	1837	571349	2	571349	15.7	93.4	0	+∞	Si
468	658580	3	655951	18.1	124.5	592.9	1837	573088	2	573088	15.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
31	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.008	2	0.007	2	9999	Si
62	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.015	2	9999	Si
94	0.012	0.011	0.011	0.009	0.011	0.011	0.01	0.009	0.011	0.011	0.025	2	0.024	2	9999	Si
125	0.016	0.014	0.014	0.013	0.015	0.014	0.013	0.013	0.015	0.014	0.033	2	0.032	2	9999	Si
140	0.018	0.016	0.016	0.014	0.017	0.016	0.015	0.014	0.017	0.016	0.037	2	0.036	2	9999	Si
171	0.022	0.019	0.019	0.017	0.02	0.019	0.018	0.017	0.02	0.019	0.045	2	0.043	2	9999	Si
203	0.025	0.022	0.022	0.019	0.023	0.022	0.021	0.019	0.023	0.022	0.051	2	0.049	2	9199	Si
234	0.027	0.024	0.024	0.021	0.025	0.024	0.022	0.021	0.024	0.024	0.055	2	0.053	2	8498	Si
265	0.028	0.024	0.025	0.022	0.026	0.024	0.023	0.022	0.025	0.024	0.057	2	0.055	2	8205	Si
281	0.028	0.024	0.025	0.022	0.026	0.024	0.023	0.022	0.025	0.024	0.057	2	0.055	2	8199	Si
296	0.028	0.024	0.025	0.021	0.026	0.024	0.023	0.021	0.025	0.024	0.056	2	0.054	2	8290	Si
327	0.026	0.023	0.023	0.02	0.024	0.023	0.022	0.02	0.024	0.023	0.053	2	0.051	2	8824	Si
358	0.023	0.02	0.02	0.018	0.021	0.02	0.019	0.018	0.021	0.02	0.047	2	0.045	2	9999	Si
374	0.021	0.018	0.019	0.016	0.02	0.018	0.017	0.016	0.019	0.018	0.042	2	0.04	2	9999	Si
405	0.016	0.013	0.014	0.012	0.014	0.013	0.013	0.012	0.014	0.013	0.031	2	0.03	2	9999	Si
436	0.009	0.007	0.008	0.007	0.008	0.007	0.007	0.007	0.008	0.007	0.017	2	0.016	2	9999	Si
445	0.006	0.005	0.006	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.013	2	0.012	2	9999	Si

Campata 2 tra i fili 15 - 16, sezione R 45x70, asta 1002

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	19.01	5.4	624387	LU 12	598378	2323187	0.094						Si
20	15.21	5.4	19.01	5.4	576695	LU 12	576232	2323187	0.094						Si
23	15.21	5.4	19.01	5.4	569877	LU 12	569877	2323187	0.094						Si
40	15.21	5.4	19.01	5.4	524977	LU 12	569877	2323187	0.094						Si
60	13.89	5.4	18.02	5.4	469231	LU 12	549532	2206622	0.093						Si
79	12.02	5.4	15.21	5.4	409458	LU 12	495661	1872997	0.09						Si
89	11.09	5.4	14.54	5.4	378062	LU 12	467216	1793883	0.089						Si
109	7.6	5.4	13.2	5.4	312249	LU 12	407306	1635715	0.087						Si
129	7.6	5.4	11.4	5.4	243530	LU 18	343368	1422093	0.084						Si
149	7.6	5.4	11.4	5.4	178931	LU 17	275403	1422093	0.084						Si
169	7.6	5.4	11.4	5.4	120153	LU 17	207948	1422093	0.084	64022	LU 2	-35555	-970824	0.078	Si
188	7.6	5.4	11.4	5.4	57349	LU 17	147996	1422093	0.084	-3177	LU 2	-119352	-970824	0.078	Si
208	9.31	5.4	11.4	5.4	-5032	LU 8	87067	1422093	0.084	-77925	LU 11	-211188	-1173334	0.08	Si
228	15.01	5.4	11.4	5.4	-59326	LU 8	22111	1422107	0.084	-167886	LU 11	-307051	-1850240	0.09	Si
238	16.88	5.4	17.69	5.4						-214376	LU 11	-356492	-2071340	0.09	Si
258	20.38	5.4	21.69	5.4						-310377	LU 11	-396820	-2485331	0.093	Si
275	22.81	5.4	22.81	5.4						-396820	LU 11	-396820	-2772667	0.095	Si
278	22.81	5.4	22.81	5.4						-410405	LU 11	-409659	-2772667	0.095	Si
298	22.81	5.4	22.81	5.4						-514460	LU 11	-454394	-2772667	0.095	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.35	0	-2303	LU 12	-2303	-12562	-76908	0	-12562	1	Si
20	0	14.54	0	-2506	LU 12	-2506	-11842	-76908	0	-11842	1	Si
23	0.144	14.54	0	-2533	LU 12	-2533	-11842	-76908	-16673	-16673	1	Si
40	0.144	13.2	0	-2709	LU 12	-2709	-11468	-76908	-16673	-16673	1	Si
60	0.144	11.4	0	-2912	LU 12	-2912	-10922	-76908	-16673	-16673	1	Si
79	0.144	11.4	0	-3115	LU 12	-3115	-10922	-76908	-16673	-16673	1	Si
89	0.144	11.4	0	-3217	LU 12	-3217	-10922	-76908	-16673	-16673	1	Si
109	0.152	11.4	0	-3420	LU 12	-3420	-10922	-76908	-17636	-17636	1	Si
129	0.152	11.4	0	-3623	LU 12	-3623	-10922	-76908	-17636	-17636	1	Si
149	0.152	11.4	0	-3826	LU 12	-3826	-10922	-76908	-17636	-17636	1	Si
169	0.152	13.87	0	-4029	LU 12	-4029	-11658	-76908	-17636	-17636	1	Si
188	0.152	11.4	0	-4232	LU 12	-4232	-10922	-76908	-17636	-17636	1	Si
208	0.158	7.6	0	-4435	LU 12	-4435	-9541	-76908	-18340	-18340	1	Si
228	0.158	7.6	0	-4638	LU 12	-4638	-9541	-76908	-18340	-18340	1	Si
238	0.158	7.6	0	-4740	LU 12	-4740	-9541	-76908	-18340	-18340	1	Si
258	0.158	7.6	0	-4943	LU 12	-4943	-9541	-76908	-18340	-18340	1	Si
275	0.158	9.31	0	-5118	LU 12	-5118	-10207	-76908	-18340	-18340	1	Si
278	0	9.31	0	-5146	LU 12	-5146	-10207	-76908	0	-10207	1	Si
288	0	9.78	0	-5247	LU 12	-5247	-10375	-76908	0	-10375	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
298	0	15.01	0	-5349	LU 12	-5349	-11970	-76908	0	-11970	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	466648	3	447700	12.3	124.5	404.7	1837	404371	2	390240	10.8	93.4	0	+∞	Si
20	431828	3	431487	11.9	124.5	390	1837	378044	2	377770	10.4	93.4	0	+∞	Si
23	426834	3	426834	11.8	124.5	385.8	1837	374192	2	374192	10.3	93.4	0	+∞	Si
40	393911	3	426834	11.8	124.5	385.8	1837	348619	2	374192	10.3	93.4	0	+∞	Si
60	352895	3	411930	11.7	124.5	391.8	1837	316097	2	362683	10.3	93.4	0	+∞	Si
79	308782	3	372357	11.5	124.5	418.5	1837	280476	2	331603	10.2	93.4	0	+∞	Si
89	285564	3	351409	11.2	124.5	412.7	1837	261505	2	314902	10	93.4	0	+∞	Si
109	236804	3	307190	10.6	124.5	397.2	1837	221238	2	279175	9.6	93.4	0	+∞	Si
129	185694	9	259873	9.4	124.5	386.9	1837	177873	2	240351	8.7	93.4	0	+∞	Si
149	136918	8	209458	7.6	124.5	311.9	1837	132233	1	198429	7.2	93.4	0	+∞	Si
169	91610	8	158970	5.8	124.5	236.7	1837	86308	1	153410	5.6	93.4	0	+∞	Si
188	43204	8	113071	4.1	124.5	168.4	1837	37286	1	108056	3.9	93.4	0	+∞	Si
208	-53928	2	-153705	5.7	124.5	277.8	1837	-26562	2	-113906	4.2	93.4	0	+∞	Si
228	-121264	2	-225582	7.1	124.5	256.8	1837	-85415	2	-177300	5.5	93.4	0	+∞	Si
238	-156094	2	-262681	7.3	124.5	265.6	1837	-116004	2	-210158	5.8	93.4	0	+∞	Si
258	-228076	2	-292957	7.3	124.5	246.2	1837	-179503	2	-237042	5.9	93.4	0	+∞	Si
275	-292957	2	-292957	7	124.5	220.7	1837	-237042	2	-237042	5.6	93.4	0	+∞	Si
278	-303156	2	-302597	7.2	124.5	227.9	1837	-246101	2	-245609	5.9	93.4	0	+∞	Si
298	-381334	2	-336187	8	124.5	253.2	1837	-315796	2	-275460	6.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
23	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
40	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
60	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
79	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
89	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.009	2	0.009	2	9999	Si
109	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.009	2	0.009	2	9999	Si
129	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si
149	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	1	0.008	1	9999	Si
169	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	1	0.007	1	9999	Si
188	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.003	0.006	1	0.005	1	9999	Si
208	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
228	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
238	0.001	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
258	0.001	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
275	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
278	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Campata 3 tra i fili 16 - 17, sezione R 45x70, asta 1003

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	5.4						-355322	LU 12	-290784	-2772667	0.095	Si
19	22.81	5.4	22.81	5.4						-247067	LU 12	-245755	-2772667	0.095	Si
23	22.81	5.4	22.81	5.4	-72659	LU 6	29843	2772667	0.095	-228731	LU 12	-228731	-2772667	0.095	Si
38	21.32	5.4	22.81	5.4	-19270	LU 6	94247	2772710	0.096	-142573	LU 12	-228731	-2595880	0.093	Si
57	19.51	5.4	22.81	5.4	54339	LU 15	168660	2772860	0.097	-53561	LU 3	-196110	-2382001	0.091	Si
77	15.21	5.4	22.81	5.4	130696	LU 15	239591	2773116	0.1	26050	LU 3	-95841	-1872416	0.087	Si
86	15.21	5.4	22.81	5.4	167464	LU 15	274042	2773116	0.1	64771	LU 3	-54927	-1872416	0.087	Si
105	14.3	5.4	19.72	5.4	238439	LU 17	340123	2407671	0.096						Si
125	13.4	5.4	11.4	5.4	306464	LU 17	411878	1422094	0.084						Si
144	11.4	5.4	11.4	5.4	372686	LU 18	484906	1422094	0.084						Si
163	11.4	5.4	11.4	5.4	447658	LU 18	559184	1422094	0.084						Si
182	11.4	5.4	11.4	5.4	521255	LU 12	629767	1422094	0.084						Si
201	11.4	5.4	11.4	5.4	593782	LU 12	696590	1422094	0.084						Si
220	11.4	5.4	21.89	6.9	662548	LU 12	759652	2669476	0.107						Si
230	11.4	5.4	25.07	7	695521	LU 12	789773	2958811	0.113						Si
249	11.4	5.4	26.61	7.1	758645	LU 12	807848	3130906	0.117						Si
265	11.4	5.4	26.61	7.1	807848	LU 12	807848	3130906	0.117						Si
268	11.4	5.4	26.61	7.1	818009	LU 12	817210	3130906	0.117						Si
287	11.4	5.4	26.61	7.1	873612	LU 12	841972	3130906	0.117						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.61	0	5746	LU 12	5746	12857	76908	0	12857	1	Si
10	0	15.21	0	5648	LU 12	5648	12021	76908	0	12021	1	Si
19	0	15.21	0	5550	LU 12	5550	12021	76908	0	12021	1	Si
23	0.201	15.21	0	5516	LU 12	5516	12021	76908	23342	23342	1	Si
38	0.201	14.3	0	5354	LU 12	5354	11778	76908	23342	23342	1	Si
57	0.201	13.4	0	5158	LU 12	5158	11525	76908	23342	23342	1	Si
77	0.201	11.4	0	4961	LU 12	4961	10922	76908	23342	23342	1	Si
86	0.201	11.4	0	4863	LU 12	4863	10922	76908	23342	23342	1	Si
105	0.186	11.4	0	4667	LU 12	4667	10922	76908	21634	21634	1	Si
125	0.186	11.4	0	4471	LU 12	4471	10922	76908	21634	21634	1	Si
144	0.186	19.91	0	4275	LU 12	4275	13151	76908	21634	21634	1	Si
163	0.186	21.66	0	4078	LU 12	4078	13525	76908	21634	21634	1	Si
182	0.186	17.78	0	3882	LU 12	3882	12665	76908	21634	21634	1	Si
201	0.187	11.4	0	3686	LU 12	3686	10922	76908	21675	21675	1	Si
220	0.187	11.4	0	3490	LU 12	3490	10799	75148	21178	21178	1	Si
230	0.187	11.4	0	3392	LU 12	3392	10786	74961	21126	21126	1	Si
249	0.187	11.4	0	3195	LU 12	3195	10780	74867	21099	21099	1	Si
265	0.187	11.4	0	3033	LU 12	3033	10780	74867	21099	21099	1	Si
268	0	11.4	0	2999	LU 12	2999	10780	74867	0	10780	1	Si
287	0	21.89	0	2803	LU 12	2803	13518	74867	0	13518	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-257134	3	-208799	5	124.5	157.3	1837	-182344	2	-140089	3.3	93.4	0	+∞	Si
19	-176091	3	-175111	4.2	124.5	131.9	1837	-111660	2	-110813	2.6	93.4	0	+∞	Si
23	-162374	3	-162374	3.9	124.5	122.3	1837	-99745	2	-99745	1.8	93.4	0	+∞	Si
38	-97941	3	-162374	4	124.5	130.6	1837	-43870	2	-99745	1.8	93.4	0	+∞	Si
57	41436	6	129200	3.2	124.5	97.6	1837	39072	1	125699	3.1	93.4	0	+∞	Si
57	-22684	3	-137971	3.5	124.5	120.8	1837								Si
77	100056	6	183618	4.8	124.5	139.3	1837	96942	1	179182	4.7	93.4	0	+∞	Si
86	128281	6	210006	5.5	124.5	159.3	1837	124793	1	204838	5.3	93.4	0	+∞	Si
105	182736	8	260613	7.2	124.5	227.6	1837	178324	1	253982	7	93.4	0	+∞	Si
125	234837	8	314616	10.6	124.5	466.4	1837	228962	1	302928	10.2	93.4	0	+∞	Si
144	285352	9	369083	12.7	124.5	547.8	1837	277267	2	350419	12.1	93.4	0	+∞	Si
163	341313	9	423996	14.6	124.5	629.4	1837	326254	2	395018	13.6	93.4	0	+∞	Si
182	395973	3	476062	16.4	124.5	706.6	1837	372347	2	436724	15.1	93.4	0	+∞	Si
201	449533	3	525234	18.1	124.5	779.6	1837	415547	2	475536	16.4	93.4	0	+∞	Si
220	500200	3	571513	16.2	124.5	468	1837	455855	2	511456	14.5	93.4	0	+∞	Si
230	524448	3	593568	16.4	124.5	441.4	1837	474924	2	528331	14.6	93.4	0	+∞	Si
249	570776	3	606783	16.4	124.5	428	1837	510892	2	538340	14.6	93.4	0	+∞	Si
265	606783	3	606783	16.4	124.5	428	1837	538340	2	538340	14.6	93.4	0	+∞	Si
268	614211	3	613625	16.6	124.5	432.8	1837	543967	2	543515	14.7	93.4	0	+∞	Si
287	654752	3	631723	17.1	124.5	445.6	1837	574149	2	557200	15.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
23	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
38	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si
57	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	1	0.007	1	9999	Si
77	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	1	0.009	1	9999	Si
86	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	1	0.011	1	9999	Si
105	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	1	0.013	1	9999	Si
125	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.014	1	0.014	1	9999	Si
144	0.008	0.007	0.007	0.006	0.008	0.007	0.006	0.006	0.008	0.007	0.016	2	0.016	2	9999	Si
163	0.008	0.008	0.007	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.016	2	0.016	2	9999	Si
172	0.008	0.008	0.007	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.017	2	0.016	2	9999	Si
182	0.008	0.008	0.007	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.016	2	0.016	2	9999	Si
201	0.008	0.007	0.007	0.006	0.008	0.007	0.006	0.006	0.007	0.007	0.016	2	0.015	2	9999	Si
220	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.014	2	0.014	2	9999	Si
230	0.006	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
249	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.009	2	0.009	2	9999	Si
265	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
268	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.005	2	9999	Si

Campata 4 tra i fili 17 - 18, sezione R 45x70, asta 1004

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	26.61	7.1	1416288	LU 12	1334417	3130906	0.117						Si
18	11.4	5.4	26.61	7.1	1283801	LU 12	1280426	3130906	0.117						Si
23	11.4	5.4	26.61	7.1	1250057	LU 12	1250057	3130906	0.117						Si
36	11.4	5.4	24.79	7.2	1147997	LU 12	1250057	2916446	0.113						Si
54	11.4	5.4	28.83	6.9	1008875	LU 12	1231836	3394774	0.13						Si
72	11.4	5.4	22.88	6.7	866437	LU 12	1094754	2724109	0.107						Si
81	11.4	5.4	22.33	6.4	793974	LU 12	1024970	2673588	0.106						Si
90	11.4	5.4	15.21	5.4	720682	LU 12	954356	1873055	0.09						Si
99	11.4	5.4	15.21	5.4	646561	LU 12	882913	1873055	0.09						Si
117	11.4	5.4	15.21	5.4	495830	LU 12	737539	1873055	0.09						Si
135	11.4	5.4	15.21	5.4	341783	LU 12	588849	1873055	0.09						Si
153	11.4	5.4	15.21	5.4	184418	LU 12	436841	1873055	0.09	102475	LU 1	-112187	-1422107	0.084	Si
171	22.95	6.6	15.21	5.4	27347	LU 3	281517	1929677	0.098	-17454	LU 15	-268783	-2734814	0.102	Si
189	27.19	6.8	15.21	5.4	-101534	LU 3	122875	1950092	0.101	-172010	LU 15	-429478	-3215966	0.11	Si
207	30.41	6.9	18.92	5.4						-330130	LU 17	-594773	-3580764	0.111	Si
216	30.41	6.9	20.13	5.4						-410746	LU 17	-681900	-3580777	0.109	Si
234	30.41	6.9	22.56	5.4						-574778	LU 18	-705597	-3580841	0.107	Si
247	30.41	6.9	22.81	5.4						-705597	LU 18	-705597	-3580946	0.107	Si
252	30.41	6.9	22.81	5.4						-749480	LU 18	-745092	-3580946	0.107	Si
270	30.41	6.9	22.81	5.4						-927499	LU 18	-815304	-3580946	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.88	0	-7268	LU 12	-7268	-13595	-74867	0	-13595	1	Si
18	0	22.33	0	-7453	LU 12	-7453	-13485	-74867	0	-13485	1	Si
23	0.259	22.33	0	-7499	LU 12	-7499	-13485	-74867	-29215	-29215	1	Si
36	0.259	15.21	0	-7637	LU 12	-7637	-11853	-74718	-29156	-29156	1	Si
54	0.259	15.21	0	-7821	LU 12	-7821	-11884	-75125	-29315	-29315	1	Si
72	0.259	15.21	0	-8005	LU 12	-8005	-11907	-75418	-29429	-29429	1	Si
81	0.259	15.21	0	-8098	LU 12	-8098	-11934	-75769	-29566	-29566	1	Si
99	0.272	15.21	0	-8282	LU 12	-8282	-12021	-76908	-31580	-31580	1	Si
117	0.272	15.21	0	-8466	LU 12	-8466	-12021	-76908	-31580	-31580	1	Si
135	0.272	15.21	0	-8650	LU 12	-8650	-12021	-76908	-31580	-31580	1	Si
153	0.272	15.21	0	-8835	LU 12	-8835	-12021	-76908	-31580	-31580	1	Si
171	0.272	15.21	0	-9019	LU 12	-9019	-12021	-76908	-31580	-31580	1	Si
189	0.273	11.4	0	-9203	LU 12	-9203	-10806	-75249	-30995	-30995	1	Si
207	0.273	11.4	0	-9387	LU 12	-9387	-10797	-75123	-30943	-30943	1	Si
216	0.273	11.4	0	-9480	LU 12	-9480	-10797	-75123	-30943	-30943	1	Si
234	0.273	22.95	0	-9664	LU 12	-9664	-13632	-75123	-30943	-30943	1	Si
247	0.273	25.07	0	-9802	LU 12	-9802	-14040	-75123	-30943	-30943	1	Si
252	0	27.19	0	-9848	LU 12	-9848	-14425	-75123	0	-14425	1	Si
270	0	30.41	0	-10032	LU 12	-10032	-14973	-75123	0	-14973	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	1073895	3	1011674	27.4	124.5	713.6	1837	1001155	2	942492	25.5	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
18	973194	3	970628	26.3	124.5	684.7	1837	906145	2	903722	24.5	93.4	0	+∞	Si
23	947540	3	947540	25.7	124.5	668.4	1837	881914	2	881914	23.9	93.4	0	+∞	Si
36	869942	3	947540	26.3	124.5	718.2	1837	808584	2	881914	24.5	93.4	0	+∞	Si
54	764138	3	933687	24.6	124.5	605.3	1837	708471	2	868830	22.9	93.4	0	+∞	Si
72	655783	3	829453	23.3	124.5	662.3	1837	605807	2	770286	21.6	93.4	0	+∞	Si
81	600648	3	776379	21.8	124.5	627	1837	553518	2	720057	20.2	93.4	0	+∞	Si
99	488466	3	668317	20.8	124.5	751.5	1837	447026	2	617687	19.2	93.4	0	+∞	Si
117	373731	3	557703	17.4	124.5	627.1	1837	337983	2	512764	16	93.4	0	+∞	Si
135	256446	3	444539	13.8	124.5	499.9	1837	226389	2	405290	12.6	93.4	0	+∞	Si
153	136609	3	328822	10.2	124.5	369.8	1837	112243	2	295265	9.2	93.4	0	+∞	Si
171	14220	3	210554	5.9	124.5	236.4	1837								Si
171	-13240	6	-206176	5.5	124.5	163	1837	-12032	1	-202405	5.4	93.4	0	+∞	Si
189	-131886	6	-329463	8.4	124.5	223.4	1837	-129090	1	-323584	8.2	93.4	0	+∞	Si
207	-253247	8	-456158	10.8	124.5	278.1	1837	-248700	1	-447657	10.6	93.4	0	+∞	Si
216	-315092	8	-522619	12.2	124.5	318.1	1837	-309462	1	-511574	11.9	93.4	0	+∞	Si
234	-440905	9	-540696	12.3	124.5	328.1	1837	-432989	2	-528964	12	93.4	0	+∞	Si
247	-540696	9	-540696	12.3	124.5	328	1837	-528964	2	-528964	12	93.4	0	+∞	Si
252	-574172	9	-570824	12.9	124.5	346.3	1837	-561169	2	-557948	12.6	93.4	0	+∞	Si
270	-709990	9	-624386	14.2	124.5	378.8	1837	-691899	2	-609475	13.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
23	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
36	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.009	2	9999	Si
54	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.012	2	0.012	2	9999	Si
72	0.007	0.006	0.006	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.014	2	0.013	2	9999	Si
81	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.014	2	0.014	2	9999	Si
90	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.014	2	0.014	2	9999	Si
99	0.008	0.006	0.006	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.014	2	0.013	2	9999	Si
117	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
135	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
153	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.009	2	0.009	2	9999	Si
171	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
189	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
207	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
216	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
234	0	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
247	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
252	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Campata 5 tra i fili 18 - 19, sezione R 45x70, asta 1005

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	6.9	22.81	5.4	698746	LU 12	614898	2862523	0.114						Si
19	30.41	6.9	22.81	5.4	554196	LU 12	552251	2862523	0.114						Si
23	30.41	6.9	22.81	5.4	528566	LU 12	528566	2862523	0.114						Si
38	30.41	6.9	22.81	5.4	405885	LU 12	528566	2862523	0.114						Si
57	30.41	6.9	20.75	5.4	253813	LU 12	482971	2620614	0.111						Si
77	30.41	6.9	15.21	5.4	98321	LU 11	332842	1965538	0.102	69179	LU 8	-145564	-3580208	0.117	Si
86	30.41	6.9	15.21	5.4	27334	LU 10	256367	1965538	0.102	9861	LU 9	-227742	-3580208	0.117	Si
105	30.41	6.9	15.21	5.4	-87355	LU 1	100925	1965538	0.102	-142821	LU 12	-394921	-3580208	0.117	Si
125	30.41	6.9	15.21	5.4	-198629	LU 1	42112	1965538	0.102	-308056	LU 12	-565860	-3580208	0.117	Si
144	30.41	6.9	15.21	5.4	-312796	LU 1	44933	1965538	0.102	-477051	LU 12	-740559	-3580208	0.117	Si
163	30.41	6.9	15.21	5.4	-429856	LU 1	42112	1965538	0.102	-649808	LU 12	-919020	-3580208	0.117	Si
182	30.41	6.9	15.21	5.4	-549809	LU 1	33650	1965538	0.102	-826326	LU 12	-1101242	-3580208	0.117	Si
201	30.41	6.9	15.21	5.4	-672655	LU 1	19547	1965538	0.102	-1006604	LU 12	-1287224	-3580208	0.117	Si
211	30.41	6.9	15.21	5.4	-735163	LU 1	10380	1965538	0.102	-1098153	LU 12	-1381626	-3580208	0.117	Si
220	35.51	6.7	18.37	5.4						-1190643	LU 12	-1476967	-4180712	0.128	Si
230	36.87	6.6	19.66	5.4						-1284073	LU 12	-1573249	-4340748	0.128	Si
249	39.58	6.6	22.24	5.4						-1473753	LU 12	-1633389	-4660850	0.129	Si
265	41.81	6.5	22.81	5.4						-1633389	LU 12	-1633389	-4920606	0.141	Si
268	41.81	6.5	22.81	5.4						-1667195	LU 12	-1664737	-4920606	0.141	Si
287	41.81	6.5	22.81	5.4						-1864397	LU 12	-1747651	-4920606	0.141	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.46	0	-7444	LU 12	-7444	-13051	-76908	0	-13051	1	Si
19	0	15.21	0	-7640	LU 12	-7640	-12021	-76908	0	-12021	1	Si
23	0.287	15.21	0	-7674	LU 12	-7674	-12021	-76908	-33345	-33345	1	Si
38	0.287	15.21	0	-7836	LU 12	-7836	-12021	-76908	-33345	-33345	1	Si
57	0.287	15.21	0	-8032	LU 12	-8032	-12021	-76908	-33345	-33345	1	Si
77	0.287	15.21	0	-8229	LU 12	-8229	-12021	-76908	-33345	-33345	1	Si
86	0.287	15.21	0	-8327	LU 12	-8327	-12021	-76908	-33345	-33345	1	Si
105	0.284	30.41	0	-8523	LU 12	-8523	-14973	-75123	-32253	-32253	1	Si
125	0.284	30.41	0	-8719	LU 12	-8719	-14973	-75123	-32253	-32253	1	Si
144	0.284	30.41	0	-8915	LU 12	-8915	-14973	-75123	-32253	-32253	1	Si
163	0.284	30.41	0	-9111	LU 12	-9111	-14973	-75123	-32253	-32253	1	Si
182	0.284	30.41	0	-9308	LU 12	-9308	-14973	-75123	-32253	-32253	1	Si
201	0.287	30.41	0	-9504	LU 12	-9504	-14973	-75123	-32571	-32571	1	Si
220	0.287	30.41	0	-9700	LU 12	-9700	-14998	-75379	-32682	-32682	1	Si
230	0.287	30.41	0	-9798	LU 12	-9798	-15003	-75435	-32707	-32707	1	Si
249	0.287	30.41	0	-9994	LU 12	-9994	-15013	-75536	-32751	-32751	1	Si
265	0.287	30.41	0	-10157	LU 12	-10157	-15020	-75610	-32782	-32782	1	Si
268	0	30.41	0	-10191	LU 12	-10191	-15020	-75610	0	-15020	1	Si
278	0	30.41	0	-10289	LU 12	-10289	-15020	-75610	0	-15020	1	Si
287	0	35.51	0	-10387	LU 12	-10387	-15817	-75610	0	-15817	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	528889	3	465630	10.7	124.5	352.5	1837	489137	2	431611	9.9	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
19	419808	3	418339	9.6	124.5	316.7	1837	389823	2	388480	8.9	93.4	0	+∞	Si
23	400459	3	400459	9.2	124.5	303.1	1837	372173	2	372173	8.5	93.4	0	+∞	Si
38	307833	3	400459	9.2	124.5	303.1	1837	287616	2	372173	8.5	93.4	0	+∞	Si
57	192965	3	366039	8.6	124.5	303.7	1837	182515	2	340775	8.1	93.4	0	+∞	Si
77	75432	2	252666	6.7	124.5	283.5	1837	74522	2	237170	6.2	93.4	0	+∞	Si
86	21026	1	194895	5.1	124.5	218.7	1837	21026	1	184282	4.9	93.4	0	+∞	Si
105	-106861	3	-297583	7.4	124.5	182.3	1837	-92892	2	-268800	6.6	93.4	0	+∞	Si
125	-231854	3	-426964	10.6	124.5	261.6	1837	-208118	2	-388414	9.6	93.4	0	+∞	Si
144	-359740	3	-559238	13.8	124.5	342.7	1837	-326237	2	-510920	12.6	93.4	0	+∞	Si
163	-490520	3	-694405	17.2	124.5	425.5	1837	-447249	2	-636319	15.7	93.4	0	+∞	Si
182	-624192	3	-832464	20.6	124.5	510.1	1837	-571153	2	-764612	18.9	93.4	0	+∞	Si
201	-760757	3	-973417	24.1	124.5	596.5	1837	-697951	2	-895797	22.1	93.4	0	+∞	Si
220	-900215	3	-1117263	25.3	124.5	583.4	1837	-827641	2	-1029876	23.4	93.4	0	+∞	Si
230	-971028	3	-1190271	26.3	124.5	597.6	1837	-893572	2	-1098000	24.3	93.4	0	+∞	Si
249	-1114826	3	-1235879	26	124.5	576.2	1837	-1027602	2	-1140586	24	93.4	0	+∞	Si
265	-1235879	3	-1235879	25.4	124.5	545.2	1837	-1140586	2	-1140586	23.5	93.4	0	+∞	Si
268	-1261516	3	-1259653	25.9	124.5	555.7	1837	-1164525	2	-1162787	23.9	93.4	0	+∞	Si
287	-1411100	3	-1322534	27.2	124.5	583.4	1837	-1304341	2	-1221508	25.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
38	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
57	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	1	-0.005	1	9999	Si
77	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
86	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.009	1	-0.009	1	9999	Si
105	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.012	1	-0.012	1	9999	Si
125	-0.008	-0.009	-0.006	-0.007	-0.008	-0.008	-0.006	-0.007	-0.008	-0.008	-0.014	1	-0.015	1	9999	Si
144	-0.009	-0.01	-0.007	-0.008	-0.009	-0.009	-0.007	-0.008	-0.009	-0.009	-0.016	1	-0.017	1	9999	Si
163	-0.01	-0.011	-0.008	-0.009	-0.01	-0.01	-0.008	-0.009	-0.01	-0.01	-0.018	1	-0.019	1	9999	Si
182	-0.01	-0.012	-0.008	-0.01	-0.01	-0.011	-0.008	-0.009	-0.01	-0.011	-0.019	1	-0.019	1	9999	Si
192	-0.01	-0.012	-0.009	-0.01	-0.01	-0.011	-0.009	-0.009	-0.01	-0.011	-0.019	1	-0.019	1	9999	Si
201	-0.01	-0.012	-0.008	-0.01	-0.01	-0.011	-0.008	-0.009	-0.01	-0.011	-0.018	1	-0.019	1	9999	Si
220	-0.009	-0.011	-0.008	-0.009	-0.009	-0.01	-0.008	-0.008	-0.009	-0.01	-0.017	1	-0.018	1	9999	Si
230	-0.009	-0.01	-0.007	-0.008	-0.009	-0.009	-0.007	-0.008	-0.009	-0.009	-0.016	1	-0.016	1	9999	Si
249	-0.007	-0.008	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.012	1	-0.013	1	9999	Si
265	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.008	1	-0.008	1	9999	Si
268	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.007	1	-0.007	1	9999	Si

Campata 6 tra i fili 19 - 20, sezione R 45x70, asta 1006

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	41.81	6.5	22.81	5.4						-1006267	LU 12	-937489	-4920606	0.141	Si
20	41.81	6.5	22.81	5.4						-882935	LU 12	-882476	-4920606	0.141	Si
23	41.81	6.5	22.81	5.4						-871218	LU 12	-871218	-4920606	0.141	Si
41	39.2	6.6	22.81	5.4						-763905	LU 12	-871218	-4618098	0.122	Si
61	36.3	6.7	22.31	5.4						-649178	LU 12	-813216	-4276562	0.115	Si
82	30.41	6.9	19.55	5.4	-311396	LU 1	12444	2478791	0.109	-538753	LU 12	-696690	-3580783	0.11	Si
92	30.41	6.9	15.21	5.4	-282060	LU 1	22931	1965538	0.102	-485154	LU 12	-640040	-3580208	0.117	Si
113	26.25	6.8	15.21	5.4	-225869	LU 1	39064	1945634	0.1	-381182	LU 12	-529968	-3109041	0.108	Si
133	21.42	6.5	15.21	5.4	-172989	LU 1	48745	1922186	0.097	-281513	LU 12	-424198	-2560899	0.1	Si
154	11.4	5.4	15.21	5.4	-122821	LU 6	51971	1873055	0.09	-186146	LU 12	-322730	-1422107	0.084	Si
174	11.4	5.4	15.21	5.4	-71602	LU 9	48745	1873055	0.09	-100303	LU 10	-225564	-1422107	0.084	Si
195	11.4	5.4	15.21	5.4	1943	LU 3	107265	1873055	0.09	-44465	LU 10	-132701	-1422107	0.084	Si
215	14.53	5.4	15.21	5.4	74142	LU 12	183624	1872797	0.089	5439	LU 1	-67358	-1792987	0.088	Si
236	16.46	5.4	21.72	5.4	152300	LU 12	255681	2644322	0.097	41773	LU 1	-14024	-2021651	0.089	Si
246	17.43	5.4	23.79	5.4	189765	LU 12	290097	2889179	0.1						Si
266	19.01	5.4	26.61	5.4	261470	LU 12	322401	3222510	0.102						Si
285	19.01	5.4	26.61	5.4	322401	LU 12	322401	3222510	0.102						Si
287	19.01	5.4	26.61	5.4	328872	LU 12	328523	3222510	0.102						Si
307	19.01	5.4	26.61	5.4	391971	LU 12	358439	3222510	0.102						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	36.3	0	6121	LU 12	6121	15933	75610	0	15933	1	Si
10	0	30.41	0	6016	LU 12	6016	15020	75610	0	15020	1	Si
20	0	30.41	0	5911	LU 12	5911	15020	75610	0	15020	1	Si
23	0.273	30.41	0	5891	LU 12	5891	15020	75610	31143	31143	1	Si
41	0.273	28.67	0	5701	LU 12	5701	14719	75523	31108	31108	1	Si
61	0.273	23.84	0	5492	LU 12	5492	13831	75412	31062	31062	1	Si
82	0.273	19	0	5282	LU 12	5282	12801	75123	30943	30943	1	Si
92	0.273	11.4	0	5177	LU 12	5177	10797	75123	30943	30943	1	Si
113	0.263	11.4	0	4967	LU 12	4967	10809	75292	29847	29847	1	Si
133	0.263	11.4	0	4757	LU 12	4757	10829	75572	29958	29958	1	Si
154	0.263	14.53	0	4547	LU 12	4547	11841	76908	30487	30487	1	Si
174	0.263	16.46	0	4337	LU 12	4337	12344	76908	30487	30487	1	Si
195	0.263	18.4	0	4127	LU 12	4127	12809	76908	30487	30487	1	Si
215	0.259	15.21	0	3918	LU 12	3918	12021	76908	30011	30011	1	Si
236	0.259	15.21	0	3708	LU 12	3708	12021	76908	30011	30011	1	Si
246	0.259	15.21	0	3603	LU 12	3603	12021	76908	30011	30011	1	Si
266	0.259	15.21	0	3393	LU 12	3393	12021	76908	30011	30011	1	Si
285	0.259	15.21	0	3203	LU 12	3203	12021	76908	30011	30011	1	Si
287	0	15.21	0	3183	LU 12	3183	12021	76908	0	12021	1	Si
307	0	23.79	0	2973	LU 12	2973	13955	76908	0	13955	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-747628	3	-696462	14.3	124.5	307.2	1837	-625340	2	-582231	12	93.4	0	+∞	Si
20	-655928	3	-655589	13.5	124.5	289.2	1837	-548323	2	-548047	11.3	93.4	0	+∞	Si
23	-647224	3	-647224	13.3	124.5	285.5	1837	-541052	2	-541052	11.1	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
41	-567539	3	-647224	13.6	124.5	304.4	1837	-474616	2	-541052	11.3	93.4	0	+∞	Si
61	-482459	3	-604144	13	124.5	307	1837	-404219	2	-505083	10.9	93.4	0	+∞	Si
82	-400688	3	-517680	12.2	124.5	315.3	1837	-337131	2	-433302	10.2	93.4	0	+∞	Si
92	-361044	3	-475690	11.8	124.5	291.5	1837	-304828	2	-398653	9.9	93.4	0	+∞	Si
113	-284237	3	-394190	10.1	124.5	276	1837	-242704	2	-331836	8.5	93.4	0	+∞	Si
133	-210740	3	-316000	8.6	124.5	265.9	1837	-183889	2	-268329	7.3	93.4	0	+∞	Si
154	-140553	3	-241120	7.9	124.5	357	1837	-128384	2	-208131	6.8	93.4	0	+∞	Si
174	-77156	1	-169549	5.6	124.5	251.1	1837	-77156	1	-151242	5	93.4	0	+∞	Si
195	-34204	1	-101287	3.3	124.5	150	1837	-34204	1	-97663	3.2	93.4	0	+∞	Si
215	50153	3	129873	3.9	124.5	145.6	1837	18274	2	77173	2.3	93.4	0	+∞	Si
236	107103	3	182130	4.7	124.5	144.6	1837	60541	2	114747	3	93.4	0	+∞	Si
246	134337	3	207017	5.2	124.5	150.5	1837	80433	2	132293	3.3	93.4	0	+∞	Si
266	186322	3	230330	5.5	124.5	150.1	1837	117736	2	148494	3.5	93.4	0	+∞	Si
285	230330	3	230330	5.5	124.5	150.1	1837	148494	2	148494	3.5	93.4	0	+∞	Si
287	234998	3	234743	5.6	124.5	153	1837	151729	2	151538	3.6	93.4	0	+∞	Si
307	280365	3	256311	6.1	124.5	167.1	1837	182413	2	166418	3.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
23	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
41	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.006	1	-0.006	1	9999	Si
61	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.008	1	-0.008	1	9999	Si
82	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.009	1	-0.009	1	9999	Si
92	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.009	1	-0.01	1	9999	Si
102	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.009	1	-0.01	1	9999	Si
113	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.009	1	-0.01	1	9999	Si
133	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.009	1	-0.009	1	9999	Si
154	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.008	1	-0.009	1	9999	Si
174	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.007	1	-0.007	1	9999	Si
195	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
215	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
236	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	2	-0.003	2	9999	Si
246	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
266	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	2	-0.002	2	9999	Si
285	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
287	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si

Campata 7 tra i fili 20 - 21, sezione R 45x70, asta 1007

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	26.61	5.4	419716	LU 12	419716	3222510	0.102						Si
18	19.01	5.4	26.61	5.4	421766	LU 12	421756	3222510	0.102						Si
23	19.01	5.4	26.61	5.4	421657	LU 12	421657	3222510	0.102						Si
36	19.01	5.4	26.61	5.4	420499	LU 12	421657	3222510	0.102						Si
54	19.01	5.4	26.61	5.4	415916	LU 12	421598	3222510	0.102						Si
72	19.01	5.4	23.29	5.4	408015	LU 12	419054	2829416	0.098						Si
81	19.01	5.4	21.47	5.4	402820	LU 12	416538	2614205	0.095						Si
90	19.01	5.4	15.21	5.4	396797	LU 12	413193	1872544	0.088						Si
99	19.01	5.4	15.21	5.4	389944	LU 12	409019	1872544	0.088						Si
117	19.01	5.4	15.21	5.4	373751	LU 12	398182	1872544	0.088						Si
135	19.01	5.4	15.21	5.4	354241	LU 12	384029	1872544	0.088						Si
153	19.01	5.4	15.21	5.4	331414	LU 12	366559	1872544	0.088						Si
171	19.01	5.4	15.21	5.4	305270	LU 12	345772	1872544	0.088						Si
189	19.01	5.4	15.21	5.4	275808	LU 12	321667	1872544	0.088						Si
207	19.01	5.4	23.29	6.8	243030	LU 12	294246	2764880	0.1						Si
216	19.01	5.4	25.1	7	225398	LU 12	279292	2965339	0.103						Si
234	19.01	5.4	26.61	7.1	187644	LU 12	246895	3131425	0.105						Si
248	19.01	5.4	26.61	7.1	157049	LU 12	220413	3131425	0.105						Si
252	19.01	5.4	26.61	7.1	146574	LU 12	146574	3131425	0.105						Si
270	19.01	5.4	26.61	7.1	102187	LU 12	102187	3131425	0.105						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	25.1	0	295	LU 10	295	14207	76908	0	14207	1	Si
18	0	21.47	0	110	LU 10	110	13485	76908	0	13485	1	Si
18	0	21.47	0	-22	LU 9	-22	-13485	-76908	0	-13485	1	Si
23	0.215	15.21	0	64	LU 10	64	12021	76908	25009	25009	1	Si
23	0.215	15.21	0	-57	LU 9	-57	-12021	-76908	-25009	-25009	1	Si
36	0.215	15.21	0	-180	LU 18	-180	-12021	-76908	-25009	-25009	1	Si
54	0.215	15.21	0	-365	LU 18	-365	-12021	-76908	-25009	-25009	1	Si
72	0.215	15.21	0	-549	LU 18	-549	-12021	-76908	-25009	-25009	1	Si
81	0.215	15.21	0	-641	LU 18	-641	-12021	-76908	-25009	-25009	1	Si
99	0.225	15.21	0	-825	LU 18	-825	-12021	-76908	-26088	-26088	1	Si
117	0.225	15.21	0	-1010	LU 18	-1010	-12021	-76908	-26088	-26088	1	Si
135	0.225	21.47	0	-1194	LU 18	-1194	-13485	-76908	-26088	-26088	1	Si
153	0.225	15.21	0	-1378	LU 18	-1378	-12021	-76908	-26088	-26088	1	Si
171	0.225	15.21	0	-1562	LU 18	-1562	-12021	-76908	-26088	-26088	1	Si
189	0.244	15.21	0	-1747	LU 18	-1747	-12021	-76908	-28344	-28344	1	Si
207	0.244	15.21	0	-1931	LU 18	-1931	-11894	-75256	-27735	-27735	1	Si
216	0.244	15.21	0	-2023	LU 18	-2023	-11877	-75031	-27652	-27652	1	Si
234	0.244	15.21	0	-2207	LU 18	-2207	-11864	-74867	-27592	-27592	1	Si
248	0.244	15.21	0	-2346	LU 18	-2346	-11864	-74867	-27592	-27592	1	Si
252	0	15.21	0	-2392	LU 18	-2392	-11864	-74867	0	-11864	1	Si
270	0	23.29	0	-2576	LU 18	-2576	-13675	-74867	0	-13675	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	311042	3	311042	7.4	124.5	202.8	1837	256032	2	256032	6.1	93.4	0	+∞	Si
18	312782	3	312778	7.4	124.5	203.9	1837	258560	2	258560	6.1	93.4	0	+∞	Si
23	312739	3	312739	7.4	124.5	203.9	1837	258713	2	258866	6.1	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
36	311971	3	312739	7.4	124.5	203.9	1837	258535	2	258866	6.1	93.4	0	+∞	Si
54	308608	3	312715	7.4	124.5	203.8	1837	255960	2	258866	6.1	93.4	0	+∞	Si
72	302694	3	310922	7.7	124.5	230.4	1837	250832	2	257789	6.4	93.4	0	+∞	Si
81	298780	3	309068	7.8	124.5	247.6	1837	247312	2	256329	6.5	93.4	0	+∞	Si
99	289038	3	303447	8.6	124.5	339.2	1837	238357	2	251495	7.1	93.4	0	+∞	Si
117	276745	3	295275	8.4	124.5	330	1837	226851	2	244110	6.9	93.4	0	+∞	Si
135	261901	3	284551	8.1	124.5	318	1837	212794	2	234173	6.6	93.4	0	+∞	Si
153	244505	3	271276	7.7	124.5	303.2	1837	196185	2	221685	6.3	93.4	0	+∞	Si
171	224557	3	255449	7.2	124.5	285.5	1837	177024	2	206645	5.9	93.4	0	+∞	Si
189	202058	3	237071	6.7	124.5	265	1837	155312	2	189054	5.4	93.4	0	+∞	Si
207	177008	3	216141	5.5	124.5	169	1837	131049	2	168911	4.3	93.4	0	+∞	Si
216	163526	3	204719	5.1	124.5	150.2	1837	117960	2	157883	4	93.4	0	+∞	Si
234	134648	3	179962	4.4	124.5	125.6	1837	89869	2	133912	3.3	93.4	0	+∞	Si
248	111236	3	159713	3.9	124.5	111.5	1837	67047	2	114254	2.8	93.4	0	+∞	Si
252	103219	3	103219	2.6	124.5	72	1837	59227	2	59227	1.5	93.4	0	+∞	Si
270	69238	3	69238	1.7	124.5	48.3	1837	26033	2	26033	0.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
23	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
36	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.004	2	9999	Si
54	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.006	2	9999	Si
72	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
81	0.006	0.004	0.005	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.009	2	0.008	2	9999	Si
99	0.006	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.009	2	0.008	2	9999	Si
117	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.009	2	9999	Si
126	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.009	2	9999	Si
135	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.009	2	9999	Si
153	0.006	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.009	2	0.008	2	9999	Si
171	0.006	0.004	0.005	0.003	0.005	0.004	0.004	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
189	0.005	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
207	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
216	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
234	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
248	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
252	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Campata 8 tra i fili 21 - 22, sezione R 45x70, asta 1008

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	26.61	7.1	833769	LU 12	768243	3131425	0.105						Si
21	19.01	5.4	26.61	7.1	712369	LU 12	711768	3131425	0.105						Si
23	19.01	5.4	26.61	7.1	700210	LU 12	700210	3131425	0.105						Si
41	19.01	5.4	23.85	7.3	586667	LU 12	700210	2804921	0.101						Si
62	17.43	5.4	28.08	6.9	456663	LU 12	639666	3311741	0.109						Si
82	15.5	5.4	21.72	6.6	322356	LU 12	511461	2592283	0.1						Si
92	14.53	5.4	15.21	5.4	253590	LU 12	445744	1872797	0.089						Si
113	11.4	5.4	15.21	5.4	112830	LU 12	311085	1873055	0.09	68685	LU 1	-94225	-1422107	0.084	Si
133	11.4	5.4	15.21	5.4	-15930	LU 8	172124	1873055	0.09	-32241	LU 11	-245388	-1422107	0.084	Si
154	11.4	5.4	15.21	5.4	-105154	LU 1	51971	1873055	0.09	-181597	LU 12	-400854	-1422107	0.084	Si
174	21.42	6.5	15.21	5.4	-197038	LU 1	48745	1922186	0.097	-335264	LU 12	-560621	-2560899	0.1	Si
195	26.25	6.8	15.21	5.4	-292231	LU 1	39064	1945634	0.1	-493234	LU 12	-724692	-3109041	0.108	Si
215	30.41	6.9	15.21	5.4	-390733	LU 1	22931	1965538	0.102	-655505	LU 12	-893064	-3580208	0.117	Si
236	30.41	6.9	15.21	5.4	-492546	LU 1	344	1965538	0.102	-822079	LU 12	-1065739	-3580208	0.117	Si
246	36.3	6.7	19.12	5.4						-906979	LU 12	-1153690	-4273954	0.128	Si
267	39.2	6.6	21.88	5.4						-1080007	LU 12	-1239931	-4616296	0.129	Si
285	41.81	6.5	22.81	5.4						-1239931	LU 12	-1239931	-4920606	0.141	Si
287	41.81	6.5	22.81	5.4						-1257337	LU 12	-1256624	-4920606	0.141	Si
308	41.81	6.5	22.81	5.4						-1438969	LU 12	-1338196	-4920606	0.141	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	-5817	LU 12	-5817	-14297	-74867	0	-14297	1	Si
21	0	21.72	0	-6027	LU 12	-6027	-13362	-74867	0	-13362	1	Si
23	0.273	21.72	0	-6047	LU 12	-6047	-13362	-74867	-30838	-30838	1	Si
41	0.273	15.21	0	-6237	LU 12	-6237	-11846	-74631	-30740	-30740	1	Si
62	0.273	15.21	0	-6447	LU 12	-6447	-11882	-75101	-30934	-30934	1	Si
82	0.273	15.21	0	-6656	LU 12	-6656	-11912	-75480	-31090	-31090	1	Si
92	0.273	15.21	0	-6761	LU 12	-6761	-12021	-76908	-31678	-31678	1	Si
113	0.279	15.21	0	-6971	LU 12	-6971	-12021	-76908	-32393	-32393	1	Si
133	0.279	16.46	0	-7181	LU 12	-7181	-12344	-76908	-32393	-32393	1	Si
154	0.279	14.53	0	-7391	LU 12	-7391	-11841	-76908	-32393	-32393	1	Si
174	0.279	11.4	0	-7601	LU 12	-7601	-10829	-75572	-31830	-31830	1	Si
195	0.279	11.4	0	-7811	LU 12	-7811	-10809	-75292	-31712	-31712	1	Si
215	0.287	11.4	0	-8021	LU 12	-8021	-10797	-75123	-32571	-32571	1	Si
236	0.287	21.42	0	-8230	LU 12	-8230	-13322	-75123	-32571	-32571	1	Si
246	0.287	23.84	0	-8335	LU 12	-8335	-13831	-75412	-32697	-32697	1	Si
267	0.287	28.67	0	-8545	LU 12	-8545	-14719	-75523	-32745	-32745	1	Si
285	0.287	30.41	0	-8735	LU 12	-8735	-15020	-75610	-32782	-32782	1	Si
287	0	30.41	0	-8755	LU 12	-8755	-15020	-75610	0	-15020	1	Si
297	0	30.41	0	-8860	LU 12	-8860	-15020	-75610	0	-15020	1	Si
308	0	36.3	0	-8965	LU 12	-8965	-15933	-75610	0	-15933	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	619644	3	571165	14.1	124.5	398.6	1837	518760	2	479220	11.8	93.4	0	+∞	Si
21	529769	3	529321	13.1	124.5	369.4	1837	445172	2	444796	11	93.4	0	+∞	Si
23	520758	3	520758	12.9	124.5	363.4	1837	437751	2	437751	10.8	93.4	0	+∞	Si
41	436585	3	520758	13.4	124.5	406.5	1837	368275	2	437751	11.2	93.4	0	+∞	Si
62	340091	3	475886	11.7	124.5	313.6	1837	288068	2	400768	9.9	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
82	240288	3	380776	10.3	124.5	317.1	1837	204552	2	321945	8.7	93.4	0	+∞	Si
92	189145	3	331980	9.9	124.5	372.3	1837	161553	2	281292	8.4	93.4	0	+∞	Si
113	84378	3	231905	7.2	124.5	260.8	1837	73073	2	197504	6.2	93.4	0	+∞	Si
133	-23704	2	-182688	6	124.5	270.5	1837	-18717	2	-154611	5.1	93.4	0	+∞	Si
154	-135086	3	-298767	9.8	124.5	441.8	1837	-113817	2	-254403	8.4	93.4	0	+∞	Si
174	-249781	3	-418156	11.4	124.5	351.9	1837	-212226	2	-357505	9.7	93.4	0	+∞	Si
195	-367787	3	-540854	13.9	124.5	378.6	1837	-313944	2	-463916	11.9	93.4	0	+∞	Si
215	-489101	3	-666862	16.5	124.5	408.6	1837	-418972	2	-573637	14.2	93.4	0	+∞	Si
236	-613726	3	-796179	19.7	124.5	487.9	1837	-527309	2	-686667	17	93.4	0	+∞	Si
246	-677279	3	-862079	19.3	124.5	439.9	1837	-582719	2	-744423	16.6	93.4	0	+∞	Si
267	-806867	3	-926719	19.6	124.5	436.4	1837	-696020	2	-801173	17	93.4	0	+∞	Si
285	-926719	3	-926719	19.1	124.5	408.8	1837	-801173	2	-801173	16.5	93.4	0	+∞	Si
287	-939765	3	-939232	19.3	124.5	414.3	1837	-812631	2	-812169	16.7	93.4	0	+∞	Si
308	-1075972	3	-1000381	20.6	124.5	441.3	1837	-932551	2	-865898	17.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
21	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
23	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
41	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
62	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
82	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
92	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
113	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
133	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.005	1	9999	Si
154	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.007	1	-0.007	1	9999	Si
174	-0.004	-0.006	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.008	1	-0.009	1	9999	Si
195	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.01	1	-0.01	1	9999	Si
215	-0.005	-0.007	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.01	1	-0.011	1	9999	Si
236	-0.005	-0.007	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.01	1	-0.011	1	9999	Si
246	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.009	1	-0.01	1	9999	Si
267	-0.004	-0.005	-0.003	-0.004	-0.004	-0.005	-0.003	-0.004	-0.004	-0.005	-0.007	1	-0.008	1	9999	Si
285	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	1	-0.005	1	9999	Si
287	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.004	1	-0.005	1	9999	Si

Campata 9 tra i fili 22 - 23, sezione R 45x70, asta 1009

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	41.81	6.5	22.81	5.4						-1121346	LU 12	-1045813	-4920606	0.141	Si
20	41.81	6.5	22.81	5.4						-986782	LU 12	-986170	-4920606	0.141	Si
23	41.81	6.5	22.81	5.4						-972781	LU 12	-972781	-4920606	0.141	Si
41	39.25	6.6	22.51	5.4						-856450	LU 12	-972781	-4623071	0.124	Si
61	36.37	6.7	19.78	5.4						-730351	LU 12	-911996	-4283448	0.124	Si
81	30.41	6.9	15.21	5.4	-351692	LU 1	12176	1965538	0.102	-608485	LU 12	-784078	-3580208	0.117	Si
91	30.41	6.9	15.21	5.4	-317852	LU 1	22493	1965538	0.102	-549139	LU 12	-721706	-3580208	0.117	Si
112	26.17	6.8	15.21	5.4	-251176	LU 6	38366	1945185	0.1	-433621	LU 12	-600137	-3100219	0.108	Si
132	21.38	6.5	15.21	5.4	-187434	LU 6	47889	1922025	0.097	-322336	LU 12	-482801	-2556406	0.1	Si
152	11.4	5.4	15.21	5.4	-125625	LU 8	51064	1873055	0.09	-216607	LU 11	-369697	-1422107	0.084	Si
173	11.4	5.4	15.21	5.4	-66817	LU 8	47889	1873055	0.09	-115365	LU 11	-261472	-1422107	0.084	Si
193	11.4	5.4	15.21	5.4	-2082	LU 9	119655	1873055	0.09	-31475	LU 10	-158411	-1422107	0.084	Si
213	16.2	5.4	15.21	5.4	80477	LU 12	207958	1872700	0.088	24748	LU 1	-60187	-1990954	0.09	Si
234	19.08	5.4	23.76	5.4	170599	LU 12	292028	2885115	0.098						Si
244	20.52	5.4	25.81	5.4	214073	LU 12	332476	3128082	0.1						Si
264	22.81	5.4	26.61	5.4	297845	LU 12	369023	3222394	0.099						Si
282	22.81	5.4	26.61	5.4	369023	LU 12	369023	3222394	0.099						Si
285	22.81	5.4	26.61	5.4	377386	LU 12	376921	3222394	0.099						Si
305	22.81	5.4	26.61	5.4	452693	LU 12	412109	3222394	0.099						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	36.37	0	6722	LU 12	6722	15943	75610	0	15943	1	Si
20	0	30.41	0	6514	LU 12	6514	15020	75610	0	15020	1	Si
23	0.273	30.41	0	6492	LU 12	6492	15020	75610	31143	31143	1	Si
41	0.273	28.57	0	6306	LU 12	6306	14702	75525	31108	31108	1	Si
61	0.273	23.78	0	6098	LU 12	6098	13820	75415	31063	31063	1	Si
81	0.273	18.98	0	5889	LU 12	5889	12797	75123	30943	30943	1	Si
91	0.273	11.4	0	5785	LU 12	5785	10797	75123	30943	30943	1	Si
112	0.276	11.4	0	5577	LU 12	5577	10810	75296	31422	31422	1	Si
132	0.276	11.4	0	5369	LU 12	5369	10829	75575	31539	31539	1	Si
152	0.276	16.2	0	5161	LU 12	5161	12278	76908	32095	32095	1	Si
173	0.276	19.08	0	4953	LU 12	4953	12965	76908	32095	32095	1	Si
193	0.276	21.38	0	4744	LU 12	4744	13467	76908	32095	32095	1	Si
213	0.259	15.21	0	4536	LU 12	4536	12021	76908	30011	30011	1	Si
234	0.259	15.21	0	4328	LU 12	4328	12021	76908	30011	30011	1	Si
244	0.259	15.21	0	4224	LU 12	4224	12021	76908	30011	30011	1	Si
264	0.259	15.21	0	4016	LU 12	4016	12021	76908	30011	30011	1	Si
282	0.259	15.21	0	3830	LU 12	3830	12021	76908	30011	30011	1	Si
285	0	21.7	0	3808	LU 12	3808	13535	76908	0	13535	1	Si
305	0	25.81	0	3600	LU 12	3600	14340	76908	0	14340	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-834461	3	-778100	16	124.5	343.2	1837	-704441	2	-656183	13.5	93.4	0	+∞	Si
20	-734099	3	-733644	15.1	124.5	323.6	1837	-618724	2	-618344	12.7	93.4	0	+∞	Si
23	-723665	3	-723665	14.9	124.5	319.2	1837	-609851	2	-609851	12.5	93.4	0	+∞	Si
41	-636993	3	-723665	15.2	124.5	340.1	1837	-536263	2	-609851	12.8	93.4	0	+∞	Si
61	-543143	3	-678367	15	124.5	345.2	1837	-457058	2	-571345	12.7	93.4	0	+∞	Si
81	-452549	3	-583118	14.4	124.5	357.3	1837	-381109	2	-490741	12.1	93.4	0	+∞	Si
91	-408473	3	-536714	13.3	124.5	328.9	1837	-344356	2	-451660	11.2	93.4	0	+∞	Si
112	-322762	3	-446349	11.5	124.5	313.3	1837	-273290	2	-375940	9.7	93.4	0	+∞	Si
132	-240308	3	-359240	9.8	124.5	302.8	1837	-205481	2	-303475	8.3	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
152	-161991	2	-275386	9	124.5	407.8	1837	-140928	2	-234267	7.7	93.4	0	+∞	Si
173	-87101	2	-195219	6.4	124.5	289.1	1837	-79630	2	-168315	5.5	93.4	0	+∞	Si
193	-24212	1	-118929	3.9	124.5	176.1	1837	-24212	1	-105618	3.5	93.4	0	+∞	Si
213	56951	3	150511	4.4	124.5	168.6	1837	33198	2	105820	3.1	93.4	0	+∞	Si
234	123126	3	212031	5.2	124.5	154.1	1837	84728	2	152695	3.7	93.4	0	+∞	Si
244	154993	3	241570	5.7	124.5	161.9	1837	109272	2	174911	4.1	93.4	0	+∞	Si
264	216284	3	268222	6.1	124.5	174.2	1837	155918	2	194772	4.4	93.4	0	+∞	Si
282	268222	3	268222	6.1	124.5	174.2	1837	194772	2	194772	4.4	93.4	0	+∞	Si
285	274320	3	273979	6.2	124.5	177.9	1837	199308	2	199043	4.5	93.4	0	+∞	Si
305	329099	3	299623	6.8	124.5	194.6	1837	239443	2	218070	5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
23	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.004	1	-0.004	1	9999	Si
41	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.007	1	-0.007	1	9999	Si
61	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.009	1	-0.009	1	9999	Si
81	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.01	1	-0.01	1	9999	Si
91	-0.005	-0.007	-0.004	-0.006	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.01	1	-0.011	1	9999	Si
102	-0.005	-0.007	-0.004	-0.006	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.01	1	-0.011	1	9999	Si
112	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.01	1	-0.011	1	9999	Si
132	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.01	1	-0.01	1	9999	Si
152	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.009	1	-0.009	1	9999	Si
173	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.007	1	-0.008	1	9999	Si
193	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
213	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
234	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.003	1	-0.003	1	9999	Si
244	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
264	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	2	-0.001	2	9999	Si
282	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
285	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si

Campata 10 tra i fili 23 - 24, sezione R 45x70, asta 1010

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	26.61	5.4	102507	LU 9	102507	3222394	0.099	-15989	LU 10	-3652	-2772355	0.093	Si
17	22.81	5.4	26.61	5.4	113307	LU 18	113307	3222394	0.099						Si
23	22.81	5.4	26.61	5.4	117105	LU 18	133260	3222394	0.099						Si
34	22.81	5.4	26.57	5.4	124779	LU 18	139637	3217864	0.099						Si
51	22.81	5.4	23.1	5.4	133235	LU 18	148483	2807458	0.095						Si
60	22.81	5.4	21.37	5.4	137668	LU 12	151775	2602242	0.093						Si
77	22.81	5.4	15.21	5.4	147097	LU 12	156095	1872416	0.087						Si
94	22.81	5.4	15.21	5.4	153509	LU 12	157471	1872416	0.087						Si
112	22.81	5.4	15.21	5.4	156905	LU 12	157471	1872416	0.087						Si
129	22.81	5.4	15.21	5.4	157283	LU 12	157471	1872416	0.087						Si
146	22.81	5.4	15.21	5.4	154645	LU 12	157471	1872416	0.087						Si
163	22.81	5.4	15.21	5.4	148989	LU 12	156705	1872416	0.087	21541	LU 1	-2164	-2773116	0.1	Si
180	22.81	5.4	18.37	5.4	141261	LU 11	153142	2246745	0.09	9484	LU 8	-22940	-2772869	0.097	Si
197	22.81	5.4	20.68	5.4	131535	LU 11	146561	2520498	0.093	-7571	LU 8	-48386	-2772761	0.096	Si
206	22.81	5.4	21.83	5.4	126849	LU 2	142705	2657360	0.094	-18278	LU 17	-62124	-2772682	0.095	Si
223	22.81	5.4	22.81	5.4	116924	LU 2	133562	2772667	0.095	-43140	LU 17	-62124	-2772667	0.095	Si
235	22.81	5.4	22.81	5.4	108663	LU 2	126883	2772667	0.095	-62124	LU 17	-62124	-2772667	0.095	Si
240	22.81	5.4	22.81	5.4	104679	LU 2	104679	2772667	0.095	-71020	LU 17	-69916	-2772667	0.095	Si
257	22.81	5.4	22.81	5.4	90112	LU 2	90112	2772667	0.095	-101917	LU 17	-80769	-2772667	0.095	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	1367	LU 11	1367	12021	76908	0	12021	1	Si
17	0	15.21	0	1191	LU 11	1191	12021	76908	0	12021	1	Si
23	0.215	15.21	0	1136	LU 11	1136	12021	76908	25009	25009	1	Si
34	0.215	15.21	0	1015	LU 11	1015	12021	76908	25009	25009	1	Si
51	0.215	15.21	0	839	LU 11	839	12021	76908	25009	25009	1	Si
60	0.215	15.21	0	751	LU 11	751	12021	76908	25009	25009	1	Si
77	0.215	15.21	0	576	LU 11	576	12021	76908	25009	25009	1	Si
77	0.215	15.21	0	-115	LU 8	-115	-12021	-76908	-25009	-25009	1	Si
94	0.208	15.21	0	400	LU 11	400	12021	76908	24147	24147	1	Si
94	0.208	15.21	0	-250	LU 8	-250	-12021	-76908	-24147	-24147	1	Si
112	0.208	18.37	0	233	LU 2	233	12802	76908	24147	24147	1	Si
112	0.208	18.37	0	-394	LU 17	-394	-12802	-76908	-24147	-24147	1	Si
129	0.208	20.68	0	98	LU 2	98	13318	76908	24147	24147	1	Si
129	0.208	20.68	0	-570	LU 17	-570	-13318	-76908	-24147	-24147	1	Si
146	0.208	15.21	0	-745	LU 17	-745	-12021	-76908	-24147	-24147	1	Si
163	0.208	15.21	0	-921	LU 17	-921	-12021	-76908	-24147	-24147	1	Si
180	0.215	15.21	0	-1097	LU 17	-1097	-12021	-76908	-25009	-25009	1	Si
197	0.215	22.81	0	-1273	LU 17	-1273	-13760	-76908	-25009	-25009	1	Si
206	0.215	22.81	0	-1360	LU 17	-1360	-13760	-76908	-25009	-25009	1	Si
223	0.215	22.81	0	-1536	LU 17	-1536	-13760	-76908	-25009	-25009	1	Si
235	0.215	22.81	0	-1657	LU 17	-1657	-13760	-76908	-25009	-25009	1	Si
240	0	22.81	0	-1712	LU 17	-1712	-13760	-76908	0	-13760	1	Si
257	0	22.81	0	-1888	LU 17	-1888	-13760	-76908	0	-13760	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	64238	9	64238	1.5	124.5	41.7	1837	3147	2	3147	0.1	93.4	0	+∞	Si
0	-12299	1	-2809	0.1	124.5	2.1	1837	-12299	1	-2809	0.1	93.4	0	+∞	Si
17	75688	9	75688	1.7	124.5	49.2	1837	17472	2	17472	0.4	93.4	0	+∞	Si
23	78704	9	91646	2.1	124.5	59.5	1837	21382	2	39192	0.9	93.4	0	+∞	Si
34	84817	9	96515	2.2	124.5	62.8	1837	29476	2	44443	1	93.4	0	+∞	Si
51	91625	9	103059	1.8	124.5	76.7	1837	39160	2	50196	1.2	93.4	0	+∞	Si
60	95050	3	105461	2.6	124.5	84.6	1837	43131	2	52203	1.3	93.4	0	+∞	Si
77	102043	3	108524	2.9	124.5	121	1837	49334	2	54475	1.5	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
94	106716	3	109373	3	124.5	122	1837	53215	2	54776	1.5	93.4	0	+∞	Si
112	109067	3	109373	3	124.5	122	1837	54776	2	54776	1.5	93.4	0	+∞	Si
129	109098	3	109373	3	124.5	122	1837	54016	2	54776	1.5	93.4	0	+∞	Si
146	106809	3	109373	3	124.5	122	1837	50936	2	54721	1.5	93.4	0	+∞	Si
163	102198	3	108574	2.9	124.5	121.1	1837	45534	2	53250	1.4	93.4	0	+∞	Si
180	95897	2	105573	2.7	124.5	98	1837	37812	2	49458	1.3	93.4	0	+∞	Si
197	87953	2	100251	2.5	124.5	83	1837	27770	2	43345	1.1	93.4	0	+∞	Si
197	-4388	8	-35179	0.9	124.5	26.5	1837								Si
206	83111	2	97096	2.3	124.5	76.3	1837	21878	2	39418	1	93.4	0	+∞	Si
206	-12767	8	-45436	1.1	124.5	34.3	1837	-4365	1	-30150	0.7	93.4	0	+∞	Si
223	71687	2	89602	2.1	124.5	67.5	1837	8354	2	29824	0.7	93.4	0	+∞	Si
223	-31265	8	-45436	1.1	124.5	34.2	1837	-18788	1	-30150	0.7	93.4	0	+∞	Si
235	62392	2	83151	2	124.5	62.6	1837								Si
235	-45436	8	-45436	1.1	124.5	34.2	1837	-30150	1	-30150	0.7	93.4	0	+∞	Si
240	57942	2	57942	1.4	124.5	43.6	1837								Si
240	-52084	8	-51258	1.2	124.5	38.6	1837	-35532	1	-34856	0.8	93.4	0	+∞	Si
257	41876	2	41876	1	124.5	31.5	1837								Si
257	-75224	8	-59368	1.4	124.5	44.7	1837	-54597	1	-41411	1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	0.001	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
23	0.001	0	0.001	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
34	0.001	0	0.001	0	0.001	0	0	0	0	0	0.001	2	0	2	9999	Si
51	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.001	2	0.001	2	9999	Si
60	0.002	0	0.001	0	0.001	0	0.001	0	0.001	0	0.001	2	0.001	2	9999	Si
77	0.002	0.001	0.002	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
94	0.002	0.001	0.002	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
112	0.002	0.001	0.002	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
120	0.002	0.001	0.002	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
129	0.002	0.001	0.002	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
146	0.002	0.001	0.002	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
163	0.002	0.001	0.002	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
180	0.002	0	0.001	0	0.001	0	0.001	0	0.001	0	0.001	2	0.001	2	9999	Si
197	0.002	0	0.001	0	0.001	0	0.001	0	0.001	0	0.001	2	0	2	9999	Si
206	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.001	2	0	2	9999	Si
223	0.001	0	0.001	0	0.001	0	0	0	0	0	0.001	2	0	2	9999	Si
235	0.001	0	0.001	0	0	0	0	0	0	0	0	2	0	2	9999	Si
240	0.001	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Campata 11 tra i fili 24 - 25, sezione R 45x70, asta 1011

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	5.4	49128	LU 3	49128	2772667	0.095	-276737	LU 10	-241895	-2772667	0.095	Si
20	22.81	5.4	22.81	5.4	63788	LU 3	63788	2772667	0.095	-216195	LU 10	-215912	-2772667	0.095	Si
23	22.81	5.4	22.81	5.4	65206	LU 3	80200	2772667	0.095	-209552	LU 10	-209552	-2772667	0.095	Si
40	22.81	5.4	21.97	5.4	75246	LU 3	86085	2673845	0.094	-159817	LU 10	-209552	-2772647	0.095	Si
61	20.59	5.4	19.26	5.4	83501	LU 3	89723	2352542	0.092	-107603	LU 10	-184248	-2509853	0.094	Si
81	17.73	5.4	15.21	5.4	88553	LU 3	91143	1872614	0.088	-59553	LU 10	-130196	-2172423	0.092	Si
91	16.31	5.4	15.21	5.4	89878	LU 3	95098	1872681	0.088	-37089	LU 10	-104731	-2003508	0.09	Si
111	11.4	5.4	15.21	5.4	91713	LU 11	99886	1873055	0.09	2630	LU 4	-56924	-1422107	0.084	Si
131	11.4	5.4	15.21	5.4	98339	LU 11	100801	1873055	0.09	28773	LU 8	-13489	-1422107	0.084	Si
151	11.4	5.4	15.21	5.4	100801	LU 11	116715	1873055	0.09						Si
171	18.96	6	15.21	5.4	105152	LU 10	140028	1897677	0.093						Si
192	23.72	6.2	26.56	7.1	130303	LU 10	159178	3165530	0.113						Si
212	28.47	6.4	30.41	7.4	151291	LU 10	174164	3602364	0.119						Si
232	30.41	6.4	26.81	7.7	168115	LU 10	184986	3185246	0.113	24357	LU 3	-8663	-3607157	0.146	Si
242	30.41	6.4	30.41	7.4	174966	LU 10	188836	3609343	0.118	13672	LU 3	-21656	-3632014	0.139	Si
262	30.41	6.4	26.95	7.7	185544	LU 10	190005	3202531	0.114	-10100	LU 3	-26975	-3608167	0.145	Si
275	30.41	6.4	30.41	7.4	190005	LU 10	190005	3609343	0.118	-26975	LU 3	-26975	-3632014	0.139	Si
282	30.41	6.4	30.41	7.4	191960	LU 10	191848	3609343	0.118	-37075	LU 3	-35614	-3632014	0.139	Si
303	30.41	6.4	30.41	7.4	194212	LU 10	193992	3609343	0.118	-67253	LU 3	-45665	-3632014	0.139	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	20.59	0	3105	LU 10	3105	13298	76908	0	13298	1	Si
20	0	17.73	0	2899	LU 10	2899	12654	76908	0	12654	1	Si
23	0.23	16.31	0	2875	LU 10	2875	12305	76908	26676	26676	1	Si
40	0.23	11.4	0	2692	LU 10	2692	10922	76908	26676	26676	1	Si
61	0.23	11.4	0	2486	LU 10	2486	10922	76908	26676	26676	1	Si
81	0.23	11.4	0	2279	LU 10	2279	10922	76908	26676	26676	1	Si
91	0.23	11.4	0	2176	LU 10	2176	10922	76908	26676	26676	1	Si
111	0.223	15.21	0	1970	LU 10	1970	12021	76908	25935	25935	1	Si
111	0.223	15.21	0	-67	LU 3	-67	-12021	-76908	-25935	-25935	1	Si
131	0.223	15.21	0	1763	LU 10	1763	12021	76908	25935	25935	1	Si
131	0.223	15.21	0	-226	LU 3	-226	-12021	-76908	-25935	-25935	1	Si
151	0.223	15.21	0	1557	LU 10	1557	12021	76908	25935	25935	1	Si
151	0.223	15.21	0	-385	LU 3	-385	-12021	-76908	-25935	-25935	1	Si
171	0.223	15.21	0	1350	LU 10	1350	12021	76908	25935	25935	1	Si
171	0.223	15.21	0	-544	LU 3	-544	-12021	-76908	-25935	-25935	1	Si
192	0.223	15.21	0	1144	LU 10	1144	11865	74872	25249	25249	1	Si
192	0.223	15.21	0	-702	LU 3	-702	-11865	-74872	-25249	-25249	1	Si
212	0.23	15.21	0	937	LU 10	937	11838	74527	25850	25850	1	Si
212	0.23	15.21	0	-861	LU 3	-861	-11838	-74527	-25850	-25850	1	Si
232	0.23	15.21	0	731	LU 10	731	11813	74207	25740	25740	1	Si
232	0.23	15.21	0	-1020	LU 3	-1020	-11813	-74207	-25740	-25740	1	Si
242	0.23	23.85	0	628	LU 10	628	13754	74527	25850	25850	1	Si
242	0.23	23.85	0	-1099	LU 3	-1099	-13754	-74527	-25850	-25850	1	Si
262	0.23	29.28	0	421	LU 10	421	14698	74222	25745	25745	1	Si
262	0.23	26.09	0	-1258	LU 3	-1258	-14283	-75718	-26263	-26263	1	Si
275	0.23	30.41	0	290	LU 10	290	14915	74527	25850	25850	1	Si
275	0.23	28.47	0	-1359	LU 3	-1359	-14704	-75718	-26263	-26263	1	Si
282	0	29.52	0	215	LU 10	215	14769	74527	0	14769	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
282	0	30.41	0	-1417	LU 3	-1417	-15031	-75718	0	-15031	1	Si
303	0	30.41	0	8	LU 10	8	14915	74527	0	14915	1	Si
303	0	30.41	0	-1576	LU 3	-1576	-15031	-75718	0	-15031	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-212874	1	-186073	4.4	124.5	140.2	1837	-212874	1	-186073	4.4	93.4	0	+∞	Si
20	-166304	1	-166086	4	124.5	125.1	1837	-166304	1	-166086	4	93.4	0	+∞	Si
23	-161194	1	-161194	3.8	124.5	121.4	1837	-161194	1	-161194	3.8	93.4	0	+∞	Si
40	9185	3	35356	0.9	124.5	27.6	1837								Si
40	-122937	1	-161194	3.9	124.5	121.5	1837	-122937	1	-161194	3.9	93.4	0	+∞	Si
61	28076	3	49631	1.3	124.5	44.1	1837								Si
61	-82772	1	-141729	3.6	124.5	118.2	1837	-82772	1	-141729	3.6	93.4	0	+∞	Si
81	43765	3	61001	1.8	124.5	68.2	1837								Si
81	-45810	1	-100151	2.8	124.5	96.8	1837	-45810	1	-100151	2.8	93.4	0	+∞	Si
91	50409	3	65634	1.9	124.5	73.5	1837								Si
91	-28530	1	-80562	2.3	124.5	84.4	1837	-28530	1	-80562	2.3	93.4	0	+∞	Si
111	61626	2	72498	2.3	124.5	81.5	1837	21028	2	52764	1.6	93.4	0	+∞	Si
131	69904	2	76159	1.8	124.5	85.6	1837	43780	2	70899	2.2	93.4	0	+∞	Si
151	74979	2	89781	2.8	124.5	101	1837	63329	2	89781	2.8	93.4	0	+∞	Si
171	80886	1	107714	3.1	124.5	120.8	1837	80886	1	107714	3.1	93.4	0	+∞	Si
192	100233	1	122445	2.9	124.5	85.6	1837	100233	1	122445	2.9	93.4	0	+∞	Si
212	116377	1	133972	3	124.5	83	1837	116377	1	133972	3	93.4	0	+∞	Si
232	129319	1	142297	3.2	124.5	100.4	1837	129319	1	142297	3.2	93.4	0	+∞	Si
242	134589	1	145259	3.2	124.5	89.9	1837	134589	1	145259	3.2	93.4	0	+∞	Si
262	142727	1	146158	3.3	124.5	102.6	1837	142727	1	146158	3.3	93.4	0	+∞	Si
275	146158	1	146158	3.2	124.5	90.5	1837	146158	1	146158	3.2	93.4	0	+∞	Si
282	147661	1	147576	3.2	124.5	91.4	1837	147661	1	147576	3.2	93.4	0	+∞	Si
303	149394	1	149225	3.2	124.5	91.8	1837	149394	1	149225	3.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
40	0.001	0	0.001	0	0	0	0	0	0	0	0	2	0	2	9999	Si
61	0.001	0	0.001	0	0.001	0	0	0	0	0	0.001	2	0	2	9999	Si
81	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.001	2	0.001	2	9999	Si
91	0.002	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
111	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
131	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
151	0.002	0.001	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.002	2	9999	Si
171	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
192	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
212	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	1	0.003	1	9999	Si
232	0.002	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	1	0.003	1	9999	Si
242	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.002	0.003	1	0.002	1	9999	Si
262	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
275	0.001	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	1	0.001	1	9999	Si
282	0.001	0	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	1	0.001	1	9999	Si

Trave a "Piano 1" 25C-25D

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x50	Rettangolare	40	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 25C - 25D, sezione R 40x50, asta 813

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-138143	LU 17	-115628	-659762	0.115	Si
21	7.6	5.4	11.4	5.4						-97951	LU 17	-97951	-659762	0.115	Si
23	7.6	5.4	11.4	5.4						-95964	LU 17	-95964	-659762	0.115	Si
43	7.6	5.4	11.4	5.4						-62950	LU 17	-95800	-659762	0.115	Si
64	7.6	5.4	11.4	5.4	-9573	LU 2	8725	959152	0.125	-33249	LU 17	-61113	-659762	0.115	Si
85	7.6	5.4	11.4	5.4	9792	LU 2	25858	959152	0.125	-8856	LU 17	-31726	-659762	0.115	Si
96	7.6	5.4	11.4	5.4	18581	LU 11	35711	959152	0.125	223	LU 8	-19023	-659762	0.115	Si
117	7.6	5.4	11.4	5.4	33436	LU 11	60517	959152	0.125						Si
139	7.6	5.4	11.4	5.4	41679	LU 11	75403	959152	0.125						Si
160	7.6	5.4	11.4	5.4	43308	LU 11	80369	959152	0.125						Si
181	7.6	5.4	11.4	5.4	38407	LU 12	75415	959152	0.125						Si
203	7.6	5.4	11.4	5.4	30430	LU 17	60540	959152	0.125						Si
224	7.6	5.4	11.4	5.4	20323	LU 17	35746	959152	0.125	4315	LU 2	-15408	-659762	0.115	Si
245	7.6	5.4	11.4	5.4	4907	LU 17	19488	959152	0.125	-16734	LU 2	-45788	-659762	0.115	Si
256	7.6	5.4	11.4	5.4	-2868	LU 8	12287	959152	0.125	-31202	LU 11	-63792	-659762	0.115	Si
277	7.6	5.4	11.4	5.4						-65947	LU 11	-104758	-659762	0.115	Si
298	7.6	5.4	11.4	5.4						-104953	LU 11	-104953	-659762	0.115	Si
299	7.6	5.4	11.4	5.4						-107305	LU 11	-107305	-659762	0.115	Si
320	7.6	5.4	11.4	5.4						-155276	LU 11	-128316	-659762	0.115	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2234	LU 12	2234	7391	47198	0	7391	1	Si
21	0	7.6	0	1941	LU 12	1941	7391	47198	0	7391	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
23	0.201	7.6	0	1925	LU 12	1925	7391	47198	16115	16115	1	Si
43	0.201	7.6	0	1638	LU 12	1638	7391	47198	16115	16115	1	Si
64	0.201	7.6	0	1333	LU 18	1333	7391	47198	16115	16115	1	Si
85	0.184	11.4	0	1041	LU 18	1041	8461	47198	14734	14734	1	Si
96	0.184	11.4	0	895	LU 18	895	8461	47198	14734	14734	1	Si
117	0.184	11.4	0	646	LU 17	646	8461	47198	14734	14734	1	Si
139	0.184	11.4	0	397	LU 17	397	8461	47198	14734	14734	1	Si
160	0.184	11.4	0	148	LU 17	148	8461	47198	14734	14734	1	Si
160	0.184	11.4	0	-103	LU 2	-103	-8461	-47198	-14734	-14734	1	Si
181	0.184	11.4	0	-389	LU 11	-389	-8461	-47198	-14734	-14734	1	Si
203	0.184	11.4	0	-699	LU 11	-699	-8461	-47198	-14734	-14734	1	Si
224	0.184	11.4	0	-1009	LU 11	-1009	-8461	-47198	-14734	-14734	1	Si
245	0.184	7.6	0	-1319	LU 11	-1319	-7391	-47198	-14734	-14734	1	Si
256	0.201	7.6	0	-1474	LU 11	-1474	-7391	-47198	-16115	-16115	1	Si
277	0.201	7.6	0	-1784	LU 11	-1784	-7391	-47198	-16115	-16115	1	Si
298	0.201	7.6	0	-2077	LU 11	-2077	-7391	-47198	-16115	-16115	1	Si
299	0	7.6	0	-2094	LU 11	-2094	-7391	-47198	0	-7391	1	Si
320	0	7.6	0	-2404	LU 11	-2404	-7391	-47198	0	-7391	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-105466	8	-88198	6.8	124.5	287.9	1837	-100279	1	-83343	6.4	93.4	0	+∞	Si
21	-74645	8	-74645	5.7	124.5	243.7	1837	-70088	1	-70088	5.4	93.4	0	+∞	Si
23	-73123	8	-73123	5.6	124.5	238.7	1837	-68600	1	-68600	5.3	93.4	0	+∞	Si
43	-47819	8	-72997	5.6	124.5	238.3	1837	-43890	1	-68476	5.2	93.4	0	+∞	Si
64	-25068	8	-46411	3.6	124.5	151.5	1837	-21769	1	-42519	3.3	93.4	0	+∞	Si
85	5284	2	18500	1.3	124.5	40.9	1837								Si
85	-6401	8	-23903	1.8	124.5	78	1837	-3730	1	-20640	1.6	93.4	0	+∞	Si
96	12888	2	23773	1.7	124.5	52.5	1837	6497	2	17651	1.2	93.4	0	+∞	Si
117	24380	2	30606	2.1	124.5	67.6	1837	18284	2	25351	1.8	93.4	0	+∞	Si
139	30920	2	32485	2.3	124.5	71.8	1837	25728	2	28708	2	93.4	0	+∞	Si
160	32505	2	32505	2.3	124.5	71.8	1837	28827	2	28827	2	93.4	0	+∞	Si
181	29193	3	32379	2.3	124.5	71.5	1837	27583	2	28818	2	93.4	0	+∞	Si
203	23286	8	28784	2	124.5	63.6	1837	22498	1	27316	1.9	93.4	0	+∞	Si
224	15415	8	22881	1.6	124.5	50.6	1837	13998	1	22055	1.5	93.4	0	+∞	Si
245	3460	8	14767	1	124.5	32.6	1837	1414	1	13313	0.9	93.4	0	+∞	Si
245	-10685	2	-32420	2.5	124.5	105.8	1837	-2216	2	-19669	1.5	93.4	0	+∞	Si
256	-21656	2	-45721	3.5	124.5	149.2	1837	-10983	2	-30480	2.3	93.4	0	+∞	Si
277	-47314	2	-76038	5.8	124.5	248.2	1837	-31776	2	-55360	4.2	93.4	0	+∞	Si
298	-76183	2	-76183	5.8	124.5	248.7	1837	-55478	2	-55478	4.3	93.4	0	+∞	Si
299	-77924	2	-77924	6	124.5	254.4	1837	-56913	2	-56913	4.4	93.4	0	+∞	Si
320	-113488	2	-93488	7.2	124.5	305.2	1837	-86393	2	-69754	5.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
23	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
43	0	0	0	0	0	0	0	0	0	0	0	2	-0.001	2	9999	Si
64	0.001	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
85	0.001	0	0	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0	2	9999	Si
96	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
117	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
139	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
160	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
171	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
181	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
203	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
224	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	1	0.001	1	9999	Si
245	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
256	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	1	0	1	9999	Si
277	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
298	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
299	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Trave a "Piano 1" 25C-60C

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 25C - 36B, sezione R 45x70, asta 801

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	33092	LU 17	33092	2323876	0.102	-18810	LU 2	-18810	-971525	0.08	Si
9	7.6	5.4	19.01	5.4	79073	LU 17	79073	2323876	0.102						Si
17	7.6	5.4	19.01	5.4	124282	LU 17	124282	2323876	0.102						Si
23	7.6	5.4	19.01	5.4	150850	LU 17	320436	2323876	0.102						Si
26	7.6	5.4	19.01	5.4	168719	LU 17	341945	2323876	0.102						Si
30	7.6	5.4	19.01	5.4	190648	LU 17	368412	2323876	0.102						Si
39	7.6	5.4	19.01	5.4	242123	LU 12	420765	2323876	0.102						Si
48	7.6	5.4	19.01	5.4	296300	LU 12	472342	2323876	0.102						Si
56	7.6	5.4	19.01	5.4	349702	LU 12	523146	2323876	0.102						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
65	7.6	5.4	19.01	5.4	402330	LU 12	573174	2323876	0.102						Si
74	7.6	5.4	19.01	5.4	454182	LU 12	622427	2323876	0.102						Si
82	7.6	5.4	19.01	5.4	505260	LU 12	649174	2323876	0.102						Si
91	7.6	5.4	19.01	5.4	555562	LU 12	649174	2323876	0.102						Si
100	7.6	5.4	19.01	5.4	605090	LU 12	649174	2323876	0.102						Si
104	7.6	5.4	19.01	5.4	629563	LU 12	649174	2323876	0.102						Si
108	7.6	5.4	19.01	5.4	649174	LU 12	649174	2323876	0.102						Si
113	7.6	5.4	19.01	5.4	677928	LU 12	674735	2323876	0.102						Si
121	7.6	5.4	19.01	5.4	725518	LU 12	702723	2323876	0.102						Si
130	7.6	5.4	19.01	5.4	772333	LU 12	712052	2323876	0.102						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	6698	LU 12	6698	9541	76908	0	9541	1	Si
9	0	19.01	0	6609	LU 12	6609	12949	76908	0	12949	1	Si
17	0	19.01	0	6519	LU 12	6519	12949	76908	0	12949	1	Si
23	0.142	19.01	0	6466	LU 12	6466	12949	76908	16476	16476	1	Si
26	0.142	19.01	0	6430	LU 12	6430	12949	76908	16476	16476	1	Si
30	0.142	19.01	0	6385	LU 12	6385	12949	76908	16476	16476	1	Si
39	0.142	19.01	0	6296	LU 12	6296	12949	76908	16476	16476	1	Si
48	0.142	19.01	0	6206	LU 12	6206	12949	76908	16476	16476	1	Si
56	0.142	19.01	0	6117	LU 12	6117	12949	76908	16476	16476	1	Si
65	0.142	19.01	0	6028	LU 12	6028	12949	76908	16476	16476	1	Si
74	0.142	19.01	0	5938	LU 12	5938	12949	76908	16476	16476	1	Si
82	0.142	19.01	0	5849	LU 12	5849	12949	76908	16476	16476	1	Si
91	0.142	19.01	0	5759	LU 12	5759	12949	76908	16476	16476	1	Si
100	0.142	19.01	0	5670	LU 12	5670	12949	76908	16476	16476	1	Si
104	0.142	19.01	0	5625	LU 12	5625	12949	76908	16476	16476	1	Si
108	0.142	19.01	0	5589	LU 12	5589	12949	76908	16476	16476	1	Si
113	0	19.01	0	5536	LU 12	5536	12949	76908	0	12949	1	Si
121	0	19.01	0	5446	LU 12	5446	12949	76908	0	12949	1	Si
130	0	19.01	0	5357	LU 12	5357	12949	76908	0	12949	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	25202	8	25202	0.8	124.5	23	1837	23555	1	23555	0.7	93.4	0	+∞	Si
0	-4689	2	-4689	0.1	124.5	1.6	1837								Si
9	60548	8	60548	1.8	124.5	55.2	1837	58743	1	58743	1.8	93.4	0	+∞	Si
17	95300	8	95300	2.9	124.5	86.9	1837	93337	1	93337	2.8	93.4	0	+∞	Si
23	115722	8	243516	7.4	124.5	222.1	1837	113666	1	229807	7	93.4	0	+∞	Si
26	129458	8	259568	7.9	124.5	236.7	1837	127338	1	243610	7.4	93.4	0	+∞	Si
30	146314	8	279316	8.5	124.5	254.7	1837	144116	1	260575	7.9	93.4	0	+∞	Si
39	185046	3	318367	9.7	124.5	290.4	1837	179414	2	294060	8.9	93.4	0	+∞	Si
48	225499	3	356823	10.9	124.5	325.4	1837	214298	2	326950	9.9	93.4	0	+∞	Si
56	265357	3	394682	12	124.5	360	1837	248588	2	359246	10.9	93.4	0	+∞	Si
65	304619	3	431946	13.1	124.5	394	1837	282283	2	390948	11.9	93.4	0	+∞	Si
74	343285	3	468614	14.3	124.5	427.4	1837	315384	2	422055	12.8	93.4	0	+∞	Si
82	381356	3	488519	14.9	124.5	445.5	1837	347890	2	438904	13.3	93.4	0	+∞	Si
91	418831	3	488519	14.9	124.5	445.5	1837	379803	2	438904	13.3	93.4	0	+∞	Si
100	455709	3	488519	14.9	124.5	445.5	1837	411120	2	438904	13.3	93.4	0	+∞	Si
104	473925	3	488519	14.9	124.5	445.5	1837	426556	2	438904	13.3	93.4	0	+∞	Si
108	488519	3	488519	14.9	124.5	445.5	1837	438904	2	438904	13.3	93.4	0	+∞	Si
113	509911	3	507538	15.4	124.5	462.9	1837	456982	2	454990	13.8	93.4	0	+∞	Si
121	545300	3	528363	16.1	124.5	481.9	1837	486814	2	472603	14.4	93.4	0	+∞	Si
130	580093	3	535304	16.3	124.5	488.2	1837	516051	2	478474	14.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
9	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
17	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
23	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.006	2	9999	Si
26	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
30	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
39	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.011	2	0.011	2	9999	Si
48	0.008	0.007	0.006	0.005	0.007	0.007	0.006	0.005	0.007	0.007	0.014	2	0.013	2	9999	Si
56	0.009	0.008	0.007	0.006	0.008	0.008	0.007	0.006	0.008	0.008	0.016	2	0.015	2	9999	Si
65	0.01	0.009	0.008	0.007	0.01	0.009	0.008	0.007	0.009	0.009	0.018	2	0.017	2	9999	Si
74	0.012	0.01	0.009	0.008	0.011	0.01	0.008	0.008	0.01	0.01	0.02	2	0.019	2	9999	Si
82	0.013	0.011	0.01	0.008	0.012	0.011	0.009	0.008	0.011	0.011	0.022	2	0.021	2	9999	Si
91	0.014	0.011	0.011	0.009	0.013	0.011	0.01	0.009	0.012	0.011	0.024	2	0.022	2	9999	Si
100	0.015	0.012	0.012	0.01	0.014	0.012	0.011	0.01	0.013	0.012	0.025	2	0.024	2	9999	Si
104	0.015	0.013	0.012	0.01	0.014	0.013	0.011	0.01	0.013	0.013	0.026	2	0.024	2	9999	Si
108	0.016	0.013	0.012	0.01	0.014	0.013	0.011	0.01	0.014	0.013	0.026	2	0.025	2	9999	Si
113	0.016	0.013	0.013	0.01	0.015	0.013	0.012	0.01	0.014	0.013	0.027	2	0.026	2	9999	Si
121	0.017	0.014	0.013	0.011	0.015	0.014	0.012	0.011	0.015	0.014	0.028	2	0.027	2	9999	Si
130	0.018	0.014	0.014	0.011	0.016	0.014	0.012	0.011	0.015	0.014	0.029	2	0.027	2	9999	Si

Campata 2 tra i fili 36B - 49C, sezione R 45x70, asta 800

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	773546	LU 12	734281	2323876	0.102						Si
23	7.6	5.4	19.01	5.4	692414	LU 12	692414	2323876	0.102						Si
45	7.6	5.4	19.01	5.4	604750	LU 12	692414	2323876	0.102						Si
68	7.6	5.4	19.01	5.4	512398	LU 12	629712	2323876	0.102						Si
91	7.6	5.4	19.01	5.4	414742	LU 12	538857	2323876	0.102						Si
102	7.6	5.4	19.01	5.4	363925	LU 12	491441	2323876	0.102						Si
125	7.6	5.4	19.01	5.4	258312	LU 12	392631	2323876	0.102						Si
147	7.6	5.4	19.01	5.4	147395	LU 12	288517	2323876	0.102	71831	LU 1	-40502	-971525	0.08	Si
170	7.6	5.4	19.01	5.4	33493	LU 3	179098	2323876	0.102	-10058	LU 10	-151506	-971525	0.08	Si
193	7.6	5.4	19.01	5.4	-62792	LU 2	64374	2323876	0.102	-119456	LU 17	-267793	-971525	0.08	Si
215	7.6	5.4	19.01	5.4						-234250	LU 17	-389571	-971525	0.08	Si
238	7.6	5.4	19.01	5.4						-354328	LU 17	-526728	-971525	0.08	Si
261	7.6	5.4	19.01	5.4						-486782	LU 12	-670984	-971525	0.08	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
272	10.92	5.4	19.01	5.4						-557497	LU 12	-745103	-1364262	0.083	Si
295	13.05	5.4	19.01	5.4						-702907	LU 12	-854770	-1617503	0.085	Si
318	15.21	5.4	19.01	5.4						-854770	LU 12	-854770	-1872544	0.088	Si
340	15.21	5.4	19.01	5.4						-1009655	LU 12	-930910	-1872544	0.088	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	-3489	LU 12	-3489	-12949	-76908	0	-12949	1	Si
23	0.115	19.01	0	-3722	LU 12	-3722	-12949	-76908	-13338	-13338	1	Si
45	0.115	19.01	0	-3957	LU 12	-3957	-12949	-76908	-13338	-13338	1	Si
68	0.115	19.01	0	-4191	LU 12	-4191	-12949	-76908	-13338	-13338	1	Si
91	0.115	19.01	0	-4425	LU 12	-4425	-12949	-76908	-13338	-13338	1	Si
102	0.123	19.01	0	-4542	LU 12	-4542	-12949	-76908	-14305	-14305	1	Si
125	0.123	19.01	0	-4776	LU 12	-4776	-12949	-76908	-14305	-14305	1	Si
147	0.123	19.01	0	-5010	LU 12	-5010	-12949	-76908	-14305	-14305	1	Si
170	0.123	19.01	0	-5244	LU 12	-5244	-12949	-76908	-14305	-14305	1	Si
193	0.123	7.6	0	-5478	LU 12	-5478	-9541	-76908	-14305	-14305	1	Si
215	0.123	7.6	0	-5712	LU 12	-5712	-9541	-76908	-14305	-14305	1	Si
238	0.123	7.6	0	-5947	LU 12	-5947	-9541	-76908	-14305	-14305	1	Si
261	0.129	7.6	0	-6181	LU 12	-6181	-9541	-76908	-15005	-15005	1	Si
272	0.129	7.6	0	-6298	LU 12	-6298	-9541	-76908	-15005	-15005	1	Si
295	0.129	7.6	0	-6532	LU 12	-6532	-9541	-76908	-15005	-15005	1	Si
318	0.129	7.6	0	-6768	LU 12	-6768	-9541	-76908	-15005	-15005	1	Si
329	0	7.6	0	-6883	LU 12	-6883	-9541	-76908	0	-9541	1	Si
340	0	10.92	0	-7000	LU 12	-7000	-10764	-76908	0	-10764	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	581029	3	551468	16.8	124.5	503	1837	516995	2	490379	14.9	93.4	0	+∞	Si
23	519906	3	519906	15.8	124.5	474.2	1837	461767	2	461767	14	93.4	0	+∞	Si
45	453781	3	519906	15.8	124.5	474.2	1837	401634	2	461767	14	93.4	0	+∞	Si
68	384041	3	472615	14.4	124.5	431	1837	337852	2	418787	12.7	93.4	0	+∞	Si
91	310224	3	404027	12.3	124.5	368.5	1837	270004	2	356154	10.8	93.4	0	+∞	Si
102	271787	3	368204	11.2	124.5	335.8	1837	234554	2	323313	9.8	93.4	0	+∞	Si
125	191853	3	293500	8.9	124.5	267.7	1837	160604	2	254580	7.7	93.4	0	+∞	Si
147	107841	3	214718	6.5	124.5	195.8	1837	82587	2	181779	5.5	93.4	0	+∞	Si
170	19750	3	131858	4	124.5	120.3	1837	501	2	104910	3.2	93.4	0	+∞	Si
170	-7737	1	-116451	1.8	124.5	39.1	1837	-7737	1	-115851	4.2	93.4	0	+∞	Si
193	-91820	8	-205821	4.2	124.5	69	1837	-91368	1	-204694	7.5	93.4	0	+∞	Si
215	-180042	8	-299394	6.2	124.5	100.4	1837	-179064	1	-297662	10.9	93.4	0	+∞	Si
238	-272329	8	-403762	8.3	124.5	135.5	1837	-270824	1	-397171	14.5	93.4	0	+∞	Si
261	-373408	3	-513404	10.6	124.5	172.2	1837	-368528	2	-500750	18.3	93.4	0	+∞	Si
272	-427142	3	-569756	18.2	124.5	878.7	1837	-419234	2	-554066	17.7	93.4	0	+∞	Si
295	-537672	3	-653153	19.5	124.5	846.5	1837	-523698	2	-633057	18.9	93.4	0	+∞	Si
318	-653153	3	-653153	18.5	124.5	730	1837	-633057	2	-633057	18	93.4	0	+∞	Si
340	-770975	3	-711062	20.2	124.5	794.7	1837	-744836	2	-687948	19.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.018	0.014	0.014	0.011	0.016	0.014	0.012	0.011	0.015	0.014	0.029	2	0.027	2	9999	Si
23	0.018	0.015	0.014	0.011	0.016	0.015	0.013	0.011	0.016	0.015	0.03	2	0.028	2	9999	Si
34	0.018	0.015	0.014	0.012	0.017	0.015	0.013	0.012	0.016	0.015	0.031	2	0.028	2	9999	Si
45	0.018	0.015	0.014	0.011	0.016	0.015	0.013	0.011	0.016	0.015	0.03	2	0.028	2	9999	Si
68	0.017	0.014	0.014	0.011	0.016	0.014	0.012	0.011	0.015	0.014	0.029	2	0.027	2	9999	Si
91	0.016	0.013	0.013	0.01	0.014	0.013	0.011	0.01	0.014	0.013	0.027	2	0.024	2	9999	Si
102	0.015	0.012	0.012	0.009	0.014	0.012	0.011	0.009	0.013	0.012	0.025	2	0.023	2	9999	Si
125	0.014	0.01	0.011	0.008	0.012	0.01	0.009	0.008	0.011	0.01	0.021	2	0.02	2	9999	Si
147	0.011	0.008	0.009	0.006	0.01	0.008	0.008	0.006	0.009	0.008	0.017	2	0.016	2	9999	Si
170	0.009	0.006	0.007	0.005	0.008	0.006	0.006	0.005	0.007	0.006	0.013	2	0.012	2	9999	Si
193	0.007	0.004	0.005	0.003	0.006	0.004	0.004	0.003	0.005	0.004	0.009	2	0.008	2	9999	Si
215	0.005	0.003	0.003	0.001	0.004	0.003	0.002	0.001	0.003	0.003	0.005	2	0.004	2	9999	Si
238	0.002	0.001	0.001	0	0.002	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
261	0.001	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	2	-0.002	2	9999	Si
272	0	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.003	2	9999	Si
295	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
318	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.003	2	9999	Si

Campata 3 tra i fili 49C - 60C, sezione R 45x70, asta 799

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	19.01	5.4						-766370	LU 12	-712804	-1872544	0.088	Si
23	15.21	5.4	19.01	5.4						-661071	LU 12	-661071	-1872544	0.088	Si
58	11.83	5.4	19.01	5.4						-502124	LU 12	-629449	-1472297	0.084	Si
87	7.6	5.4	19.01	5.4						-383127	LU 12	-501731	-971525	0.08	Si
117	7.6	5.4	19.01	5.4						-272879	LU 12	-382762	-971525	0.08	Si
175	7.6	5.4	19.01	5.4	-54946	LU 1	12563	2323876	0.102	-78632	LU 12	-171074	-971525	0.08	Si
233	7.6	5.4	19.01	5.4	88384	LU 10	154977	2323876	0.102						Si
262	7.6	5.4	19.01	5.4	155198	LU 10	230897	2323876	0.102						Si
321	7.6	5.4	19.01	5.4	262641	LU 10	362096	2323876	0.102						Si
379	7.6	5.4	19.01	5.4	335172	LU 10	440810	2323876	0.102						Si
437	7.6	5.4	21.13	5.4	372791	LU 10	467041	2574839	0.108						Si
496	7.6	5.4	11.4	5.4	375501	LU 10	440793	1422093	0.084						Si
554	7.6	5.4	11.4	5.4	343301	LU 10	363697	1422093	0.084						Si
612	7.6	5.4	11.4	5.4	276193	LU 10	313985	1422093	0.084						Si
671	7.6	5.4	11.4	5.4	174172	LU 10	229363	1422093	0.084						Si
700	7.6	5.4	11.4	5.4	110069	LU 10	173960	1422093	0.084						Si
758	15.18	5.4	15.21	5.4	-34092	LU 1	36969	1872760	0.089	-60639	LU 12	-151283	-1869212	0.089	Si
817	15.21	5.4	15.21	5.4						-251274	LU 12	-359351	-1872764	0.089	Si
852	15.21	5.4	15.21	5.4						-386494	LU 12	-386494	-1872764	0.089	Si
875	15.21	5.4	15.21	5.4						-476892	LU 12	-430778	-1872764	0.089	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.83	0	4835	LU 10	4835	11055	76908	0	11055	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
23	0.068	7.6	0	4604	LU 10	4604	9541	76908	7874	9541	1	Si
58	0.068	7.6	0	4236	LU 10	4236	9541	76908	7874	9541	1	Si
117	0.068	7.6	0	3638	LU 10	3638	9541	76908	7874	9541	1	Si
175	0.068	7.6	0	3039	LU 10	3039	9541	76908	7874	9541	1	Si
233	0.068	19.01	0	2440	LU 10	2440	12949	76908	7874	12949	1	Si
262	0.068	19.01	0	2141	LU 10	2141	12949	76908	7874	12949	1	Si
321	0.068	19.01	0	1543	LU 10	1543	12949	76908	7874	12949	1	Si
379	0.068	19.01	0	944	LU 10	944	12949	76908	7874	12949	1	Si
437	0.068	11.4	0	346	LU 10	346	10922	76908	7874	10922	1	Si
496	0.068	11.4	0	-269	LU 12	-269	-10922	-76908	-7874	-10922	1	Si
554	0.068	11.4	0	-869	LU 12	-869	-10922	-76908	-7874	-10922	1	Si
612	0.068	11.4	0	-1469	LU 12	-1469	-10922	-76908	-7874	-10922	1	Si
671	0.068	11.4	0	-2068	LU 12	-2068	-10922	-76908	-7874	-10922	1	Si
700	0.068	11.4	0	-2368	LU 12	-2368	-10922	-76908	-7874	-10922	1	Si
758	0.068	7.6	0	-2968	LU 12	-2968	-9541	-76908	-7874	-9541	1	Si
817	0.068	15.18	0	-3568	LU 12	-3568	-12013	-76908	-7874	-12013	1	Si
852	0.068	15.21	0	-3936	LU 12	-3936	-12021	-76908	-7874	-12021	1	Si
875	0	15.21	0	-4168	LU 12	-4168	-12021	-76908	0	-12021	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-588899	3	-547689	15.5	124.5	612.1	1837	-586039	2	-544804	15.4	93.4	0	+∞	Si
23	-507888	3	-507888	14.4	124.5	567.7	1837	-504975	2	-504975	14.3	93.4	0	+∞	Si
58	-385601	3	-483561	15	124.5	689.8	1837	-382593	2	-480631	14.9	93.4	0	+∞	Si
117	-209217	3	-293764	6.1	124.5	98.6	1837	-206023	2	-290667	10.6	93.4	0	+∞	Si
175	-59747	3	-130882	2.7	124.5	43.9	1837	-56327	2	-127579	4.7	93.4	0	+∞	Si
233	67988	1	119213	3.6	124.5	108.7	1837	67988	1	119213	3.6	93.4	0	+∞	Si
262	119383	1	163916	5	124.5	149.5	1837	119383	1	163916	5	93.4	0	+∞	Si
321	202032	1	233182	7.1	124.5	212.7	1837	202032	1	233182	7.1	93.4	0	+∞	Si
379	257825	1	275591	8.4	124.5	251.3	1837	257825	1	275591	8.4	93.4	0	+∞	Si
437	286763	1	291147	8.6	124.5	240	1837	286763	1	291147	8.6	93.4	0	+∞	Si
496	288847	1	291154	10.6	124.5	433.5	1837	288847	1	291154	10.6	93.4	0	+∞	Si
554	264078	1	279767	10.2	124.5	416.5	1837	264078	1	279767	10.2	93.4	0	+∞	Si
612	212456	1	241527	8.8	124.5	359.6	1837	212456	1	241527	8.8	93.4	0	+∞	Si
671	133978	1	176433	6.4	124.5	262.7	1837	133978	1	176433	6.4	93.4	0	+∞	Si
700	84668	1	133815	4.9	124.5	199.2	1837	84668	1	133815	4.9	93.4	0	+∞	Si
758	-44972	3	-114630	3.4	124.5	128.7	1837	-37292	2	-106644	3.2	93.4	0	+∞	Si
817	-191477	3	-274542	8.1	124.5	307.7	1837	-183174	2	-265915	7.9	93.4	0	+∞	Si
852	-295404	3	-295404	8.8	124.5	331.1	1837	-286700	2	-286700	8.5	93.4	0	+∞	Si
875	-364885	3	-329440	9.8	124.5	369.2	1837	-355923	2	-320608	9.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
23	0.001	0	0	0	0.001	0	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
58	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	1	0.005	1	9999	Si
117	0.009	0.008	0.007	0.006	0.009	0.008	0.007	0.007	0.009	0.008	0.018	1	0.018	1	9999	Si
175	0.016	0.015	0.014	0.013	0.016	0.016	0.014	0.013	0.016	0.016	0.035	1	0.034	1	9999	Si
233	0.025	0.023	0.021	0.02	0.025	0.024	0.021	0.02	0.025	0.024	0.053	1	0.052	1	9999	Si
262	0.029	0.027	0.024	0.023	0.029	0.028	0.024	0.024	0.029	0.028	0.061	1	0.061	1	9999	Si
321	0.036	0.034	0.03	0.029	0.036	0.035	0.03	0.03	0.036	0.035	0.077	1	0.076	1	9999	Si
379	0.041	0.039	0.035	0.033	0.041	0.04	0.035	0.034	0.041	0.04	0.088	1	0.087	1	9942	Si
437	0.043	0.041	0.037	0.036	0.043	0.042	0.037	0.036	0.043	0.043	0.094	1	0.093	1	9288	Si
467	0.044	0.042	0.038	0.036	0.044	0.043	0.038	0.037	0.044	0.043	0.095	1	0.094	1	9190	Si
496	0.043	0.041	0.037	0.036	0.043	0.042	0.037	0.037	0.043	0.043	0.095	1	0.093	1	9243	Si
554	0.041	0.039	0.035	0.033	0.041	0.04	0.035	0.034	0.041	0.04	0.089	1	0.088	1	9832	Si
612	0.035	0.034	0.031	0.029	0.035	0.035	0.031	0.03	0.035	0.035	0.078	1	0.077	1	9999	Si
671	0.028	0.027	0.024	0.023	0.028	0.027	0.024	0.024	0.028	0.028	0.062	1	0.061	1	9999	Si
700	0.024	0.023	0.021	0.02	0.024	0.023	0.021	0.02	0.024	0.024	0.053	1	0.052	1	9999	Si
758	0.015	0.014	0.013	0.012	0.015	0.015	0.013	0.013	0.015	0.015	0.034	1	0.033	1	9999	Si
817	0.007	0.006	0.006	0.005	0.007	0.007	0.006	0.006	0.007	0.007	0.015	1	0.015	1	9999	Si
852	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si

Trave a "Piano 1" 29A-29B

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x50	Rettangolare	30	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 29A - ?, sezione R 30x50, asta 816

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-323713	LU 11	-305868	-644450	0.121	Si
15	7.6	5.4	11.4	5.4						-282637	LU 11	-282637	-644450	0.121	Si
20	7.6	5.4	11.4	5.4						-268620	LU 11	-282637	-644450	0.121	Si
40	7.6	5.4	11.4	5.4						-215049	LU 11	-268361	-644450	0.121	Si
60	7.6	5.4	11.4	5.4						-163053	LU 12	-214797	-644450	0.121	Si
81	7.6	5.4	11.4	5.4	-65471	LU 1	7271	943473	0.135	-112749	LU 12	-162810	-644450	0.121	Si
91	7.6	5.4	11.4	5.4	-47262	LU 1	11965	943473	0.135	-88168	LU 12	-137472	-644450	0.121	Si
111	7.6	5.4	11.4	5.4	-11721	LU 1	29232	943473	0.135	-40148	LU 12	-87936	-644450	0.121	Si
131	7.6	5.4	11.4	5.4	29445	LU 10	72400	943473	0.135	-443	LU 3	-39923	-644450	0.121	Si
151	7.6	5.4	11.4	5.4	72605	LU 10	114046	943473	0.135	34575	LU 3	-274	-644450	0.121	Si
171	7.6	5.4	11.4	5.4	114243	LU 10	154170	943473	0.135						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
192	7.6	5.4	11.4	5.4	154360	LU 10	192772	943473	0.135						Si
212	7.6	5.4	11.4	5.4	192956	LU 10	229854	943473	0.135						Si
222	7.6	5.4	11.4	5.4	211683	LU 10	247824	943473	0.135						Si
242	7.6	5.4	11.4	5.4	247996	LU 10	282623	943473	0.135						Si
262	7.6	5.4	11.4	5.4	282787	LU 10	312252	943473	0.135						Si
280	7.6	5.4	11.4	5.4	312252	LU 10	312252	943473	0.135						Si
282	7.6	5.4	11.4	5.4	316058	LU 10	316058	943473	0.135						Si
302	7.6	5.4	11.4	5.4	347806	LU 10	333066	943473	0.135						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3162	LU 11	3162	6101	35398	0	6101	1	Si
15	0.161	7.6	0	3097	LU 11	3097	6101	35398	12892	12892	1	Si
20	0.161	7.6	0	3075	LU 11	3075	6101	35398	12892	12892	1	Si
40	0.161	7.6	0	2989	LU 11	2989	6101	35398	12892	12892	1	Si
60	0.161	7.6	0	2903	LU 11	2903	6101	35398	12892	12892	1	Si
81	0.14	7.6	0	2817	LU 11	2817	6101	35398	11232	11232	1	Si
91	0.14	7.6	0	2774	LU 11	2774	6101	35398	11232	11232	1	Si
111	0.14	7.6	0	2688	LU 11	2688	6101	35398	11232	11232	1	Si
131	0.14	11.4	0	2602	LU 11	2602	6984	35398	11232	11232	1	Si
151	0.14	11.4	0	2516	LU 11	2516	6984	35398	11232	11232	1	Si
171	0.14	11.4	0	2429	LU 11	2429	6984	35398	11232	11232	1	Si
192	0.14	11.4	0	2343	LU 11	2343	6984	35398	11232	11232	1	Si
212	0.14	11.4	0	2257	LU 11	2257	6984	35398	11232	11232	1	Si
222	0.14	11.4	0	2214	LU 11	2214	6984	35398	11232	11232	1	Si
242	0.141	11.4	0	2128	LU 11	2128	6984	35398	11281	11281	1	Si
262	0.141	11.4	0	2042	LU 11	2042	6984	35398	11281	11281	1	Si
280	0.141	11.4	0	1966	LU 11	1966	6984	35398	11281	11281	1	Si
282	0	11.4	0	1956	LU 11	1956	6984	35398	0	6984	1	Si
302	0	11.4	0	1870	LU 11	1870	6984	35398	0	6984	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-245366	2	-231706	20.1	124.5	762.3	1837	-228785	2	-215430	18.7	93.4	0	+∞	Si
15	-213925	2	-213925	18.6	124.5	703.8	1837	-198054	2	-198054	17.2	93.4	0	+∞	Si
20	-203196	2	-213925	18.6	124.5	703.8	1837	-187569	2	-198054	17.2	93.4	0	+∞	Si
40	-162197	2	-202998	17.6	124.5	667.9	1837	-147523	2	-187376	16.3	93.4	0	+∞	Si
60	-122404	3	-162005	14.1	124.5	533	1837	-108648	2	-147335	12.8	93.4	0	+∞	Si
81	-83896	3	-122218	10.6	124.5	402.1	1837	-70943	2	-108465	9.4	93.4	0	+∞	Si
91	-65081	3	-102820	8.9	124.5	338.3	1837	-52529	2	-89469	7.8	93.4	0	+∞	Si
111	-28328	3	-64903	5.6	124.5	213.5	1837	-16579	2	-52355	4.5	93.4	0	+∞	Si
131	22650	1	55692	4.5	124.5	124.3	1837	22650	1	55692	4.5	93.4	0	+∞	Si
151	55850	1	87727	7.2	124.5	195.7	1837	55850	1	87727	7.2	93.4	0	+∞	Si
171	87879	1	118592	9.7	124.5	264.6	1837	87879	1	118592	9.7	93.4	0	+∞	Si
192	118739	1	148287	12.1	124.5	330.8	1837	118739	1	148287	12.1	93.4	0	+∞	Si
212	148427	1	176811	14.4	124.5	394.5	1837	148427	1	176811	14.4	93.4	0	+∞	Si
222	162833	1	190634	15.5	124.5	425.3	1837	162833	1	190634	15.5	93.4	0	+∞	Si
242	190766	1	217402	17.7	124.5	485	1837	190766	1	217402	17.7	93.4	0	+∞	Si
262	217529	1	240194	19.6	124.5	535.9	1837	217529	1	240194	19.6	93.4	0	+∞	Si
280	240194	1	240194	19.6	124.5	535.9	1837	240194	1	240194	19.6	93.4	0	+∞	Si
282	243121	1	243121	19.8	124.5	541.8	1837	243121	1	243121	19.8	93.4	0	+∞	Si
302	267543	1	256204	20.9	124.5	571.6	1837	267543	1	256204	20.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	1	-0.002	1	9999	Si
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
40	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	1	-0.002	1	9999	Si
60	0	-0.001	0	-0.001	0	0	0	-0.001	0	0	0	1	-0.001	1	9999	Si
81	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0.001	0.002	1	0.001	1	9999	Si
91	0.002	0	0.002	0	0.002	0.001	0.002	0.001	0.002	0.001	0.004	1	0.003	1	9999	Si
111	0.003	0.001	0.003	0.001	0.003	0.002	0.003	0.002	0.003	0.002	0.007	1	0.006	1	9999	Si
131	0.004	0.003	0.004	0.003	0.004	0.003	0.004	0.003	0.004	0.004	0.01	1	0.009	1	9999	Si
151	0.005	0.004	0.005	0.004	0.005	0.004	0.005	0.005	0.005	0.005	0.013	1	0.012	1	9999	Si
171	0.006	0.005	0.007	0.005	0.006	0.005	0.007	0.006	0.006	0.006	0.015	1	0.014	1	9999	Si
192	0.007	0.005	0.007	0.006	0.007	0.006	0.007	0.007	0.007	0.006	0.017	1	0.016	1	9999	Si
212	0.007	0.006	0.007	0.006	0.007	0.006	0.007	0.007	0.007	0.007	0.018	1	0.017	1	9999	Si
222	0.007	0.006	0.007	0.006	0.007	0.006	0.007	0.007	0.007	0.006	0.017	1	0.017	1	9999	Si
242	0.006	0.005	0.007	0.006	0.006	0.006	0.007	0.006	0.006	0.006	0.016	1	0.015	1	9999	Si
262	0.005	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.013	1	0.012	1	9999	Si
280	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.008	1	0.008	1	9999	Si
282	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	1	0.007	1	9999	Si

Trave a "Piano 1" 30-36

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - 32, sezione R 45x70, asta 1020

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4						-904332	LU 12	-772131	-2773116	0.1	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
23	22.81	5.4	15.21	5.4						-649694	LU 12	-649694	-2773116	0.1	Si
31	22.81	5.4	15.21	5.4						-555704	LU 12	-649694	-2773116	0.1	Si
62	22.81	5.4	15.21	5.4	-161368	LU 1	7601	1872416	0.087	-257686	LU 18	-534395	-2773116	0.1	Si
93	22.81	5.4	15.21	5.4	21550	LU 2	225189	1872416	0.087	-30087	LU 17	-240360	-2773116	0.1	Si
125	20.56	5.4	14.99	5.4	239271	LU 11	405509	1846679	0.087	107559	LU 8	-18362	-2507578	0.097	Si
140	17.63	5.4	13.94	5.4	333314	LU 11	479877	1722467	0.086						Si
171	7.6	5.4	11.4	5.4	489693	LU 11	608407	1422093	0.084						Si
203	7.6	5.4	11.4	5.4	616583	LU 11	715313	1422093	0.084						Si
234	7.6	5.4	11.4	5.4	722095	LU 12	801943	1422093	0.084						Si
265	7.6	5.4	11.4	5.4	807315	LU 12	867182	1422093	0.084						Si
296	7.6	5.4	11.4	5.4	871114	LU 12	911002	1422093	0.084						Si
327	7.6	5.4	11.4	5.4	913493	LU 12	933403	1422093	0.084						Si
358	7.6	5.4	11.4	5.4	934453	LU 12	936902	1422093	0.084						Si
374	9.11	5.4	11.4	5.4	936902	LU 12	936902	1422093	0.084						Si
405	10.58	5.4	11.4	5.4	925738	LU 12	936511	1422094	0.084						Si
436	11.4	5.4	11.4	5.4	893161	LU 12	923907	1422094	0.084						Si
445	11.4	5.4	11.4	5.4	879636	LU 12	916336	1422094	0.084						Si
467	11.4	5.4	11.4	5.4	839171	LU 12	839171	1422094	0.084						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	11867	LU 12	11867	13760	76908	0	13760	1	Si
23	0.158	22.81	0	10883	LU 12	10883	13760	76908	18340	18340	1	Si
31	0.158	22.81	0	10504	LU 12	10504	13760	76908	18340	18340	1	Si
62	0.158	20.56	0	9141	LU 12	9141	13294	76908	18340	18340	1	Si
93	0.128	12.89	0	7777	LU 12	7777	11377	76908	14873	14873	1	Si
125	0.128	11.4	0	6414	LU 12	6414	10922	76908	14873	14873	1	Si
140	0.128	11.4	0	5732	LU 12	5732	10922	76908	14873	14873	1	Si
171	0.128	11.4	0	4453	LU 12	4453	10922	76908	14873	14873	1	Si
203	0.128	11.4	0	3765	LU 12	3765	10922	76908	14873	14873	1	Si
234	0.128	11.4	0	3078	LU 12	3078	10922	76908	14873	14873	1	Si
265	0.128	11.4	0	2393	LU 18	2393	10922	76908	14873	14873	1	Si
296	0.128	11.4	0	1753	LU 18	1753	10922	76908	14873	14873	1	Si
327	0.128	11.4	0	1115	LU 17	1115	10922	76908	14873	14873	1	Si
358	0.128	11.4	0	584	LU 17	584	10922	76908	14873	14873	1	Si
374	0.128	11.4	0	319	LU 17	319	10922	76908	14873	14873	1	Si
374	0.128	11.4	0	-95	LU 2	-95	-10922	-76908	-14873	-14873	1	Si
405	0.086	11.4	0	-740	LU 11	-740	-10922	-76908	-10004	-10922	1	Si
436	0.086	11.4	0	-1427	LU 11	-1427	-10922	-76908	-10004	-10922	1	Si
445	0.086	11.4	0	-1618	LU 11	-1618	-10922	-76908	-10004	-10922	1	Si
467	0	11.4	0	-2114	LU 11	-2114	-10922	-76908	0	-10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-674514	3	-576338	15	124.5	437.3	1837	-576629	2	-494544	12.9	93.4	0	+∞	Si
23	-485366	3	-485366	12.6	124.5	368.3	1837	-418265	2	-418265	10.9	93.4	0	+∞	Si
31	-415529	3	-485366	12.6	124.5	368.3	1837	-359699	2	-418265	10.9	93.4	0	+∞	Si
62	-193306	9	-399688	10.4	124.5	303.3	1837	-168039	2	-346381	9	93.4	0	+∞	Si
93	11884	2	165508	4.5	124.5	184.6	1837								Si
93	-21051	8	-180324	4.7	124.5	136.8	1837	-7448	1	-156421	4.1	93.4	0	+∞	Si
125	176022	2	300405	8.4	124.5	340.2	1837	139475	2	247963	6.9	93.4	0	+∞	Si
140	246335	2	356201	10.6	124.5	433.5	1837	200562	2	297345	8.8	93.4	0	+∞	Si
171	363568	2	452790	16.4	124.5	674.2	1837	303876	2	383560	13.9	93.4	0	+∞	Si
203	458937	2	533253	19.4	124.5	794	1837	389060	2	455960	16.6	93.4	0	+∞	Si
234	538357	3	598502	21.7	124.5	891.1	1837	460538	2	514656	18.7	93.4	0	+∞	Si
265	602552	3	647793	23.5	124.5	964.5	1837	518313	2	559649	20.3	93.4	0	+∞	Si
296	650768	3	681108	24.7	124.5	1014.1	1837	562384	2	590940	21.5	93.4	0	+∞	Si
327	683008	3	698446	25.4	124.5	1039.9	1837	592752	2	608529	22.1	93.4	0	+∞	Si
358	699272	3	701413	25.5	124.5	1044.3	1837	609420	2	612615	22.2	93.4	0	+∞	Si
374	701413	3	701413	24.9	124.5	1043	1837	612615	2	612615	21.8	93.4	0	+∞	Si
405	693716	3	701164	24.4	124.5	1041.4	1837	608732	2	612585	21.3	93.4	0	+∞	Si
436	670046	3	692392	23.9	124.5	1027.7	1837	591151	2	607780	20.9	93.4	0	+∞	Si
445	660133	3	686921	23.7	124.5	1019.6	1837	583405	2	603843	20.8	93.4	0	+∞	Si
467	630405	3	630405	21.7	124.5	935.7	1837	559870	2	559870	19.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.006	2	0.005	2	9999	Si
31	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.007	2	9999	Si
62	0.01	0.007	0.008	0.006	0.009	0.007	0.007	0.006	0.008	0.007	0.018	2	0.016	2	9999	Si
93	0.015	0.012	0.013	0.01	0.014	0.012	0.012	0.01	0.013	0.012	0.029	2	0.026	2	9999	Si
125	0.021	0.016	0.018	0.014	0.019	0.016	0.016	0.014	0.018	0.016	0.039	2	0.036	2	9999	Si
140	0.024	0.018	0.02	0.016	0.021	0.019	0.018	0.016	0.02	0.019	0.045	2	0.041	2	9999	Si
171	0.028	0.022	0.025	0.019	0.025	0.022	0.022	0.02	0.024	0.022	0.054	2	0.05	2	8667	Si
203	0.032	0.025	0.028	0.022	0.029	0.025	0.025	0.022	0.027	0.025	0.062	2	0.057	2	7598	Si
234	0.035	0.027	0.03	0.024	0.031	0.028	0.027	0.024	0.03	0.028	0.067	2	0.062	2	7005	Si
265	0.036	0.028	0.031	0.025	0.032	0.028	0.028	0.025	0.031	0.028	0.069	2	0.064	2	6763	Si
280	0.036	0.028	0.031	0.025	0.032	0.028	0.028	0.025	0.031	0.028	0.069	2	0.064	2	6760	Si
296	0.035	0.028	0.031	0.025	0.032	0.028	0.028	0.025	0.03	0.028	0.068	2	0.064	2	6840	Si
327	0.033	0.026	0.029	0.023	0.03	0.026	0.026	0.023	0.028	0.026	0.064	2	0.06	2	7292	Si
358	0.029	0.023	0.025	0.021	0.026	0.023	0.023	0.021	0.025	0.023	0.056	2	0.053	2	8311	Si
374	0.026	0.021	0.023	0.019	0.023	0.021	0.021	0.019	0.022	0.021	0.051	2	0.048	2	9180	Si
405	0.019	0.015	0.017	0.014	0.017	0.015	0.015	0.014	0.016	0.015	0.038	2	0.035	2	9999	Si
436	0.01	0.008	0.009	0.008	0.009	0.008	0.008	0.008	0.009	0.008	0.02	2	0.019	2	9999	Si
445	0.007	0.006	0.007	0.006	0.007	0.006	0.006	0.006	0.006	0.006	0.015	2	0.014	2	9999	Si

Campata 2 tra i fili 32 - 33, sezione R 45x70, asta 1019

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	346186	LU 12	346186	1422094	0.084						Si
20	11.4	5.4	11.4	5.4	348216	LU 12	348149	1422094	0.084						Si
23	11.4	5.4	11.4	5.4	348082	LU 12	348082	1422094	0.084						Si
40	11.4	5.4	11.4	5.4	346218	LU 12	348082	1422094	0.084						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
59	10.71	5.4	11.4	5.4	340194	LU 12	347617	1422094	0.084						Si
79	9.78	5.4	11.4	5.4	330142	LU 12	343468	1422093	0.084						Si
89	9.31	5.4	11.4	5.4	323606	LU 12	339884	1422093	0.084						Si
109	7.6	5.4	11.4	5.4	307514	LU 12	329694	1422093	0.084						Si
129	7.6	5.4	11.4	5.4	287395	LU 12	315477	1422093	0.084						Si
149	7.6	5.4	11.4	5.4	266692	LU 18	297234	1422093	0.084						Si
169	7.6	5.4	11.4	5.4	243700	LU 18	275993	1422093	0.084						Si
188	7.6	5.4	11.4	5.4	220830	LU 17	254876	1422093	0.084						Si
208	7.6	5.4	11.4	5.4	198065	LU 17	230026	1422093	0.084						Si
228	10.78	5.4	11.4	5.4	171273	LU 17	209136	1422094	0.084						Si
238	11.72	5.4	11.4	5.4	156367	LU 17	197181	1422094	0.084						Si
258	13.59	5.4	11.4	5.4	123534	LU 17	170251	1422094	0.084	32026	LU 2	-3714	-1681135	0.087	Si
275	15.21	5.4	11.4	5.4	91766	LU 17	143642	1422107	0.084	-3714	LU 2	-3714	-1873055	0.09	Si
278	15.21	5.4	11.4	5.4	86674	LU 17	86674	1422107	0.084	-9386	LU 2	-9095	-1873055	0.09	Si
297	15.21	5.4	11.4	5.4	45787	LU 17	45787	1422107	0.084	-53895	LU 2	-27846	-1873055	0.09	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	885	LU 15	885	10922	76908	0	10922	1	Si
20	0	11.4	0	681	LU 15	681	10922	76908	0	10922	1	Si
20	0	11.4	0	-137	LU 3	-137	-10922	-76908	0	-10922	1	Si
23	0.144	11.4	0	654	LU 15	654	10922	76908	16672	16672	1	Si
23	0.144	11.4	0	-158	LU 3	-158	-10922	-76908	-16672	-16672	1	Si
40	0.144	11.4	0	478	LU 15	478	10922	76908	16672	16672	1	Si
40	0.144	11.4	0	-294	LU 3	-294	-10922	-76908	-16672	-16672	1	Si
59	0.144	11.4	0	275	LU 15	275	10922	76908	16672	16672	1	Si
59	0.144	11.4	0	-450	LU 3	-450	-10922	-76908	-16672	-16672	1	Si
79	0.144	11.4	0	75	LU 6	75	10922	76908	16672	16672	1	Si
79	0.144	11.4	0	-608	LU 12	-608	-10922	-76908	-16672	-16672	1	Si
89	0.144	11.4	0	-710	LU 12	-710	-10922	-76908	-16672	-16672	1	Si
109	0.134	11.4	0	-913	LU 12	-913	-10922	-76908	-15561	-15561	1	Si
129	0.134	11.4	0	-1116	LU 12	-1116	-10922	-76908	-15561	-15561	1	Si
149	0.134	11.4	0	-1319	LU 12	-1319	-10922	-76908	-15561	-15561	1	Si
169	0.134	11.4	0	-1522	LU 12	-1522	-10922	-76908	-15561	-15561	1	Si
188	0.134	11.4	0	-1725	LU 12	-1725	-10922	-76908	-15561	-15561	1	Si
208	0.144	11.4	0	-1928	LU 12	-1928	-10922	-76908	-16673	-16673	1	Si
228	0.144	11.4	0	-2131	LU 12	-2131	-10922	-76908	-16673	-16673	1	Si
238	0.144	11.4	0	-2233	LU 12	-2233	-10922	-76908	-16673	-16673	1	Si
258	0.144	11.4	0	-2436	LU 12	-2436	-10922	-76908	-16673	-16673	1	Si
275	0.144	11.4	0	-2611	LU 12	-2611	-10922	-76908	-16673	-16673	1	Si
278	0	11.4	0	-2639	LU 12	-2639	-10922	-76908	0	-10922	1	Si
288	0	7.6	0	-2740	LU 12	-2740	-9541	-76908	0	-9541	1	Si
297	0	10.78	0	-2842	LU 12	-2842	-10720	-76908	0	-10720	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	255061	3	255061	8.8	124.5	378.6	1837	203315	2	203315	7	93.4	0	+∞	Si
20	257839	3	257797	8.9	124.5	382.7	1837	211638	2	211638	7.3	93.4	0	+∞	Si
23	257900	3	258066	8.9	124.5	383.1	1837	212445	2	218450	7.5	93.4	0	+∞	Si
40	257519	3	258066	8.9	124.5	383.1	1837	216863	2	218991	7.5	93.4	0	+∞	Si
59	254102	3	258029	9	124.5	383.2	1837	218991	2	218991	7.6	93.4	0	+∞	Si
79	247587	3	256054	9	124.5	380.5	1837	218021	2	218991	7.7	93.4	0	+∞	Si
89	243168	3	253905	9	124.5	377.5	1837	216374	2	218984	7.8	93.4	0	+∞	Si
109	232007	3	247284	9	124.5	368.2	1837	210757	2	217908	7.9	93.4	0	+∞	Si
129	217747	3	237565	8.6	124.5	353.7	1837	202042	2	213733	7.8	93.4	0	+∞	Si
149	202686	9	224749	8.2	124.5	334.6	1837	190230	2	206462	7.5	93.4	0	+∞	Si
169	185685	9	209521	7.6	124.5	312	1837	175320	2	196092	7.1	93.4	0	+∞	Si
188	168353	8	193963	7	124.5	288.8	1837	158498	1	182625	6.6	93.4	0	+∞	Si
208	150678	8	175503	6.4	124.5	261.3	1837	139759	1	166143	6	93.4	0	+∞	Si
228	129905	8	159270	5.5	124.5	236.5	1837	117922	1	148847	5.2	93.4	0	+∞	Si
238	118357	8	149992	5.1	124.5	222.6	1837	105841	1	139037	4.8	93.4	0	+∞	Si
258	92937	8	129113	4.3	124.5	191.4	1837	79358	1	117093	3.9	93.4	0	+∞	Si
275	68358	8	108503	3.6	124.5	160.7	1837	53858	1	95562	3.1	93.4	0	+∞	Si
278	64420	8	64420	2.1	124.5	95.4	1837	49776	1	49776	1.6	93.4	0	+∞	Si
297	32805	8	32805	1.1	124.5	48.6	1837	17097	1	17097	0.6	93.4	0	+∞	Si
297	-30231	2	-9874	0.3	124.5	11.1	1837								Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
23	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
40	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
59	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
79	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.01	2	9999	Si
89	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
109	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
129	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.012	2	0.012	2	9999	Si
139	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.012	2	0.012	2	9999	Si
149	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.012	2	0.012	2	9999	Si
169	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
188	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
208	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.009	2	0.009	2	9999	Si
228	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.008	2	0.008	2	9999	Si
238	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	1	0.007	1	9999	Si
258	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si
275	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
278	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si

Campata 3 tra i fili 33 - ?, sezione R 45x70, asta 1018

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	47123	LU 17	47123	1422107	0.084						Si
23	15.21	5.4	11.4	5.4	109132	LU 17	182499	1422107	0.084						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
56	12.02	5.4	10.27	5.4	194253	LU 17	257343	1287564	0.082						Si
113	7.6	5.4	7.6	5.4	308894	LU 17	355219	970067	0.076						Si
169	7.6	5.4	7.6	5.4	391047	LU 17	420607	970067	0.076						Si
225	7.6	5.4	7.6	5.4	440712	LU 17	453507	970067	0.076						Si
254	7.6	5.4	7.6	5.4	453361	LU 17	457889	970067	0.076						Si
310	7.6	5.4	7.6	5.4	454294	LU 17	457889	970067	0.076						Si
366	7.6	5.4	7.6	5.4	422738	LU 17	442953	970067	0.076						Si
423	7.6	5.4	7.6	5.4	358694	LU 17	432859	970067	0.076						Si
479	7.6	5.4	7.6	5.4	262161	LU 17	408493	970067	0.076						Si
535	7.6	5.4	7.6	5.4	133140	LU 17	335395	970067	0.076						Si
592	7.6	5.4	7.6	5.4	-21752	LU 6	213564	970067	0.076	-37079	LU 12	-132088	-970067	0.076	Si
648	7.6	5.4	7.6	5.4	-170788	LU 1	43001	970067	0.076	-228810	LU 12	-340584	-970067	0.076	Si
676	7.6	5.4	7.6	5.4						-336859	LU 12	-457016	-970067	0.076	Si
732	15.21	5.4	7.6	5.4						-577322	LU 12	-714424	-1873488	0.092	Si
789	19.62	5.4	7.6	5.4						-850926	LU 18	-1005115	-2396229	0.104	Si
823	22.81	5.4	7.6	5.4						-1031711	LU 18	-1031711	-2772675	0.114	Si
845	22.81	5.4	7.6	5.4						-1157339	LU 18	-1093556	-2772675	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.27	0	2942	LU 11	2942	10547	76908	0	10547	1	Si
23	0.068	7.6	0	2712	LU 11	2712	9541	76908	7878	9541	1	Si
56	0.068	7.6	0	2365	LU 11	2365	9541	76908	7878	9541	1	Si
113	0.068	7.6	0	1789	LU 11	1789	9541	76908	7878	9541	1	Si
169	0.068	7.6	0	1212	LU 11	1212	9541	76908	7878	9541	1	Si
225	0.068	7.6	0	635	LU 11	635	9541	76908	7878	9541	1	Si
254	0.068	7.6	0	347	LU 11	347	9541	76908	7878	9541	1	Si
310	0.068	7.6	0	-272	LU 17	-272	-9541	-76908	-7878	-9541	1	Si
366	0.068	7.6	0	-849	LU 17	-849	-9541	-76908	-7878	-9541	1	Si
423	0.068	7.6	0	-1425	LU 17	-1425	-9541	-76908	-7878	-9541	1	Si
479	0.068	7.6	0	-2002	LU 17	-2002	-9541	-76908	-7878	-9541	1	Si
535	0.068	7.6	0	-2579	LU 17	-2579	-9541	-76908	-7878	-9541	1	Si
592	0.068	7.6	0	-3155	LU 17	-3155	-9541	-76908	-7878	-9541	1	Si
648	0.068	7.6	0	-3732	LU 17	-3732	-9541	-76908	-7878	-9541	1	Si
676	0.068	7.6	0	-4020	LU 17	-4020	-9541	-76908	-7878	-9541	1	Si
732	0.068	7.6	0	-4597	LU 17	-4597	-9541	-76908	-7878	-9541	1	Si
789	0.068	15.21	0	-5174	LU 17	-5174	-12021	-76908	-7878	-12021	1	Si
823	0.068	15.21	0	-5520	LU 17	-5520	-12021	-76908	-7878	-12021	1	Si
845	0	19.62	0	-5751	LU 17	-5751	-13087	-76908	0	-13087	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	35676	8	35676	1.2	124.5	52.8	1837	31953	1	31953	1	93.4	0	+∞	Si
23	83396	8	139859	4.6	124.5	207.1	1837	79810	1	136450	4.5	93.4	0	+∞	Si
56	148905	8	197463	7	124.5	324.3	1837	145526	1	194261	6.9	93.4	0	+∞	Si
113	237144	8	272806	6.4	124.5	96.4	1837	234108	1	269947	11.4	93.4	0	+∞	Si
169	300391	8	323157	7.6	124.5	114.2	1837	297699	1	320642	13.6	93.4	0	+∞	Si
225	338648	8	348517	8.2	124.5	123.1	1837	336299	1	346345	14.6	93.4	0	+∞	Si
254	348405	8	351913	8.3	124.5	124.3	1837	346227	1	349908	14.8	93.4	0	+∞	Si
310	349175	8	351913	8.3	124.5	124.3	1837	347341	1	349908	14.8	93.4	0	+∞	Si
366	324954	8	340476	8	124.5	120.3	1837	323464	1	338809	14.3	93.4	0	+∞	Si
423	275742	8	304160	7.2	124.5	107.5	1837	274595	1	302837	12.8	93.4	0	+∞	Si
479	201539	8	242854	5.7	124.5	85.8	1837	200736	1	241874	10.2	93.4	0	+∞	Si
535	102345	8	156556	3.7	124.5	55.3	1837	101886	1	155920	6.6	93.4	0	+∞	Si
592	-27647	3	-100824	1.8	124.5	35.6	1837	-23657	2	-97245	4.1	93.4	0	+∞	Si
648	-175312	3	-261385	6.2	124.5	92.3	1837	-172120	2	-258604	10.9	93.4	0	+∞	Si
676	-258516	3	-351037	8.3	124.5	124	1837	-255723	2	-348656	14.7	93.4	0	+∞	Si
732	-443667	3	-549205	18	124.5	620.1	1837	-441672	2	-547501	18	93.4	0	+∞	Si
789	-654244	9	-772892	23.3	124.5	683.9	1837	-652613	2	-771338	23.2	93.4	0	+∞	Si
823	-793358	9	-793358	22.7	124.5	608.1	1837	-791816	2	-791816	22.7	93.4	0	+∞	Si
845	-890027	9	-840947	24.1	124.5	644.6	1837	-888544	2	-839434	24.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.005	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	1	0.012	1	9999	Si
56	0.013	0.012	0.011	0.011	0.013	0.012	0.011	0.011	0.013	0.012	0.03	1	0.029	1	9999	Si
113	0.024	0.022	0.022	0.02	0.024	0.023	0.021	0.021	0.024	0.023	0.057	1	0.056	1	9999	Si
169	0.033	0.031	0.03	0.028	0.033	0.032	0.03	0.029	0.033	0.032	0.079	1	0.077	1	9999	Si
225	0.04	0.038	0.036	0.034	0.04	0.039	0.036	0.035	0.04	0.039	0.094	1	0.093	1	8956	Si
254	0.042	0.04	0.038	0.036	0.042	0.041	0.038	0.037	0.042	0.041	0.1	1	0.098	1	8478	Si
310	0.044	0.042	0.04	0.037	0.044	0.043	0.04	0.038	0.044	0.043	0.105	1	0.103	1	8059	Si
366	0.043	0.041	0.039	0.037	0.043	0.042	0.039	0.038	0.043	0.042	0.103	1	0.101	1	8218	Si
423	0.04	0.037	0.036	0.033	0.04	0.038	0.035	0.034	0.04	0.039	0.094	1	0.092	1	8982	Si
479	0.034	0.031	0.03	0.028	0.034	0.032	0.03	0.029	0.034	0.033	0.08	1	0.078	1	9999	Si
535	0.026	0.024	0.023	0.021	0.026	0.025	0.023	0.022	0.026	0.025	0.061	1	0.06	1	9999	Si
592	0.017	0.015	0.015	0.013	0.017	0.016	0.015	0.014	0.017	0.017	0.04	1	0.039	1	9999	Si
648	0.009	0.007	0.007	0.006	0.009	0.008	0.007	0.006	0.009	0.008	0.02	1	0.019	1	9999	Si
676	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.011	1	0.01	1	9999	Si
732	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
789	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
823	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si

Campata 4 tra i fili ? - 35, sezione R 45x70, asta 1017

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-663057	LU 10	-616446	-2772675	0.114	Si
23	22.81	5.4	7.6	5.4						-571620	LU 10	-571620	-2772675	0.114	Si
59	18.03	5.4	8.55	5.4						-432197	LU 10	-541555	-2207911	0.098	Si
118	7.6	5.4	7.6	5.4						-236974	LU 10	-328773	-970067	0.076	Si
177	7.6	5.4	7.6	5.4						-77387	LU 10	-151628	-970067	0.076	Si
206	7.6	5.4	7.6	5.4	-2411	LU 9	51620	970067	0.076	-10958	LU 10	-76419	-970067	0.076	Si
265	7.6	5.4	7.6	5.4	100944	LU 18	235433	970067	0.076						Si
324	7.6	5.4	7.6	5.4	171191	LU 18	369071	970067	0.076						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
383	7.6	5.4	7.6	5.4	205802	LU 18	449255	970067	0.076						Si
442	7.6	5.4	7.6	5.4	204776	LU 18	475982	970067	0.076						Si
501	7.6	5.4	7.6	5.4	168113	LU 18	449255	970067	0.076						Si
560	7.6	5.4	7.6	5.4	95813	LU 18	369073	970067	0.076						Si
619	7.6	5.4	7.6	5.4	-8336	LU 9	235436	970067	0.076	-16410	LU 10	-82686	-970067	0.076	Si
649	7.6	5.4	7.6	5.4	-60135	LU 7	148572	970067	0.076	-83666	LU 13	-158752	-970067	0.076	Si
708	15.21	5.4	7.6	5.4						-244968	LU 13	-337612	-1873491	0.092	Si
767	15.21	5.4	7.6	5.4						-441906	LU 13	-552108	-1873491	0.092	Si
826	19.37	5.4	7.6	5.4						-674480	LU 13	-802242	-2366503	0.103	Si
862	22.81	5.4	7.6	5.4						-837010	LU 13	-837010	-2772675	0.114	Si
885	22.81	5.4	7.6	5.4						-942692	LU 13	-888959	-2772675	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.03	0	4215	LU 10	4215	12723	76908	0	12723	1	Si
23	0.068	11.08	0	3985	LU 10	3985	10819	76908	7920	10819	1	Si
59	0.068	7.6	0	3611	LU 10	3611	9541	76908	7920	9541	1	Si
118	0.068	7.6	0	3007	LU 10	3007	9541	76908	7920	9541	1	Si
177	0.068	7.6	0	2403	LU 10	2403	9541	76908	7920	9541	1	Si
206	0.068	7.6	0	2101	LU 10	2101	9541	76908	7920	9541	1	Si
265	0.068	7.6	0	1497	LU 10	1497	9541	76908	7920	9541	1	Si
324	0.068	7.6	0	893	LU 10	893	9541	76908	7920	9541	1	Si
383	0.068	7.6	0	289	LU 10	289	9541	76908	7920	9541	1	Si
442	0.068	7.6	0	-320	LU 14	-320	-9541	-76908	-7920	-9541	1	Si
501	0.068	7.6	0	-924	LU 14	-924	-9541	-76908	-7920	-9541	1	Si
560	0.068	7.6	0	-1529	LU 14	-1529	-9541	-76908	-7920	-9541	1	Si
619	0.068	7.6	0	-2133	LU 14	-2133	-9541	-76908	-7920	-9541	1	Si
649	0.068	7.6	0	-2435	LU 14	-2435	-9541	-76908	-7920	-9541	1	Si
708	0.068	7.6	0	-3039	LU 14	-3039	-9541	-76908	-7920	-9541	1	Si
767	0.068	15.21	0	-3643	LU 14	-3643	-12021	-76908	-7920	-12021	1	Si
826	0.068	15.21	0	-4247	LU 14	-4247	-12021	-76908	-7920	-12021	1	Si
862	0.068	15.21	0	-4620	LU 14	-4620	-12021	-76908	-7920	-12021	1	Si
885	0	19.37	0	-4851	LU 14	-4851	-13031	-76908	0	-13031	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-510044	1	-474189	13.6	124.5	363.5	1837	-510044	1	-474189	13.6	93.4	0	+∞	Si
23	-439707	1	-439707	12.6	124.5	337.1	1837	-439707	1	-439707	12.6	93.4	0	+∞	Si
59	-332459	1	-416581	12.7	124.5	399.1	1837	-332459	1	-416581	12.7	93.4	0	+∞	Si
118	-182288	1	-252902	6	124.5	89.3	1837	-182288	1	-252902	10.7	93.4	0	+∞	Si
177	-59529	1	-116637	2.7	124.5	41.2	1837	-59529	1	-116637	4.9	93.4	0	+∞	Si
206	-8429	1	-58784	1.4	124.5	20.8	1837	-8429	1	-58784	2.5	93.4	0	+∞	Si
265	77057	9	107071	2.5	124.5	37.8	1837	73866	2	103939	4.4	93.4	0	+∞	Si
324	131119	9	147626	3.5	124.5	52.2	1837	128049	2	144615	6.1	93.4	0	+∞	Si
383	157768	9	160768	3.8	124.5	56.8	1837	154819	2	157878	6.7	93.4	0	+∞	Si
442	157004	9	160757	3.8	124.5	56.8	1837	154176	2	157869	6.7	93.4	0	+∞	Si
501	128827	9	146087	3.4	124.5	51.6	1837	126120	2	143320	6.1	93.4	0	+∞	Si
560	73237	9	104004	1.8	124.5	36.7	1837	70651	2	101358	4.3	93.4	0	+∞	Si
619	-12623	1	-63599	1.5	124.5	22.5	1837	-12623	1	-63568	2.7	93.4	0	+∞	Si
649	-64354	4	-122104	2.9	124.5	43.1	1837	-64322	1	-122020	5.2	93.4	0	+∞	Si
708	-188416	4	-259672	8.5	124.5	293.2	1837	-188279	1	-259484	8.5	93.4	0	+∞	Si
767	-339890	4	-424654	13.9	124.5	479.5	1837	-339649	1	-424361	13.9	93.4	0	+∞	Si
826	-518778	4	-617048	18.6	124.5	552.8	1837	-518432	1	-616650	18.6	93.4	0	+∞	Si
862	-643791	4	-643791	18.5	124.5	493.5	1837	-643380	1	-643380	18.4	93.4	0	+∞	Si
885	-725078	4	-683748	19.6	124.5	524.1	1837	-724627	1	-683317	19.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
59	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
118	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.004	2	-0.004	2	9999	Si
177	0.002	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.002	2	0.001	2	9999	Si
206	0.004	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
265	0.007	0.006	0.005	0.004	0.006	0.006	0.004	0.004	0.006	0.006	0.012	2	0.012	2	9999	Si
324	0.009	0.008	0.007	0.006	0.008	0.008	0.006	0.006	0.008	0.008	0.017	2	0.017	2	9999	Si
383	0.01	0.009	0.008	0.007	0.009	0.009	0.007	0.007	0.009	0.009	0.02	2	0.019	2	9999	Si
442	0.009	0.009	0.007	0.006	0.009	0.009	0.007	0.006	0.009	0.009	0.019	2	0.018	2	9999	Si
501	0.007	0.007	0.005	0.005	0.007	0.007	0.005	0.005	0.007	0.007	0.014	2	0.014	2	9999	Si
560	0.004	0.003	0.003	0.002	0.004	0.003	0.002	0.002	0.004	0.003	0.007	2	0.006	2	9999	Si
619	0	-0.001	-0.001	-0.002	0	-0.001	-0.001	-0.002	0	-0.001	-0.002	2	-0.003	2	9999	Si
649	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.007	2	-0.007	2	9999	Si
708	-0.005	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.014	2	-0.015	2	9999	Si
767	-0.007	-0.008	-0.007	-0.008	-0.008	-0.008	-0.007	-0.008	-0.008	-0.008	-0.018	2	-0.018	2	9999	Si
826	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.014	2	-0.014	2	9999	Si
862	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si

Campata 5 tra i fili 35 - 36, sezione R 45x70, asta 1016

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-989988	LU 10	-929963	-2772675	0.114	Si
23	22.81	5.4	7.6	5.4						-871800	LU 10	-871800	-2772675	0.114	Si
58	19.49	5.4	8.46	5.4						-695587	LU 10	-839775	-2381388	0.102	Si
115	15.21	5.4	7.6	5.4						-435230	LU 10	-562256	-1873491	0.092	Si
173	12.39	5.4	7.6	5.4						-208917	LU 10	-318781	-1539795	0.086	Si
231	7.6	5.4	7.6	5.4	-229	LU 9	142552	970067	0.076	-16648	LU 10	-109351	-970067	0.076	Si
259	7.6	5.4	7.6	5.4	77257	LU 18	224982	970067	0.076	51323	LU 1	-17402	-970067	0.076	Si
317	7.6	5.4	7.6	5.4	214477	LU 12	351541	970067	0.076						Si
375	7.6	5.4	7.6	5.4	319250	LU 12	427034	970067	0.076						Si
432	7.6	5.4	7.6	5.4	389979	LU 12	451461	970067	0.076						Si
490	7.6	5.4	7.6	5.4	427264	LU 10	434032	970067	0.076						Si
548	7.6	5.4	7.6	5.4	432289	LU 10	434032	970067	0.076						Si
605	7.6	5.4	11.4	5.4	403270	LU 10	422119	1422093	0.084						Si
663	7.6	5.4	11.4	5.4	340207	LU 10	376218	1422093	0.084						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
692	7.6	5.4	11.4	5.4	295909	LU 10	340501	1422093	0.084						Si
750	15.11	5.4	11.4	5.4	181780	LU 10	243533	1422107	0.084						Si
807	15.21	5.4	11.4	5.4	33606	LU 10	112522	1422107	0.084	-2365	LU 9	-84303	-1873055	0.09	Si
837	15.21	5.4	11.4	5.4	-44352	LU 1	30303	1422107	0.084	-88008	LU 18	-88008	-1873055	0.09	Si
865	15.21	5.4	11.4	5.4						-180907	LU 18	-132616	-1873055	0.09	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.49	0	5400	LU 10	5400	13059	76908	0	13059	1	Si
23	0.068	15.21	0	5170	LU 10	5170	12021	76908	7876	12021	1	Si
58	0.068	15.21	0	4810	LU 10	4810	12021	76908	7876	12021	1	Si
115	0.068	12.39	0	4220	LU 10	4220	11229	76908	7876	11229	1	Si
173	0.068	7.6	0	3629	LU 10	3629	9541	76908	7876	9541	1	Si
231	0.068	7.6	0	3039	LU 10	3039	9541	76908	7876	9541	1	Si
259	0.068	7.6	0	2744	LU 10	2744	9541	76908	7876	9541	1	Si
317	0.068	7.6	0	2153	LU 10	2153	9541	76908	7876	9541	1	Si
375	0.068	7.6	0	1563	LU 10	1563	9541	76908	7876	9541	1	Si
432	0.068	7.6	0	973	LU 10	973	9541	76908	7876	9541	1	Si
490	0.068	7.6	0	382	LU 10	382	9541	76908	7876	9541	1	Si
548	0.068	7.6	0	-279	LU 18	-279	-9541	-76908	-7876	-9541	1	Si
605	0.068	7.6	0	-869	LU 18	-869	-9541	-76908	-7876	-9541	1	Si
663	0.068	11.4	0	-1459	LU 18	-1459	-10922	-76908	-7876	-10922	1	Si
692	0.068	11.4	0	-1755	LU 18	-1755	-10922	-76908	-7876	-10922	1	Si
750	0.068	11.4	0	-2345	LU 18	-2345	-10922	-76908	-7876	-10922	1	Si
807	0.068	11.4	0	-2935	LU 18	-2935	-10922	-76908	-7876	-10922	1	Si
837	0.068	15.21	0	-3244	LU 18	-3244	-12021	-76908	-7876	-12021	1	Si
865	0	15.21	0	-3526	LU 18	-3526	-12021	-76908	0	-12021	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-761529	1	-715356	20.5	124.5	548.4	1837	-761529	1	-715356	20.5	93.4	0	+∞	Si
23	-670615	1	-670615	19.2	124.5	514.1	1837	-670615	1	-670615	19.2	93.4	0	+∞	Si
58	-535067	1	-645981	19.3	124.5	574.4	1837	-535067	1	-645981	19.3	93.4	0	+∞	Si
115	-334792	1	-432505	14.2	124.5	488.4	1837	-334792	1	-432505	14.2	93.4	0	+∞	Si
173	-160705	1	-245216	8.6	124.5	337	1837	-160705	1	-245216	8.6	93.4	0	+∞	Si
231	-12806	1	-84116	2	124.5	29.7	1837	-12806	1	-84116	3.6	93.4	0	+∞	Si
259	58348	9	114978	2.7	124.5	40.6	1837	52927	2	110712	4.7	93.4	0	+∞	Si
317	164310	3	208308	4.9	124.5	73.6	1837	161117	2	205701	8.7	93.4	0	+∞	Si
375	245149	3	275946	6.5	124.5	97.5	1837	243119	2	274502	11.6	93.4	0	+∞	Si
432	299801	3	317396	7.5	124.5	112.1	1837	298933	2	317114	13.4	93.4	0	+∞	Si
490	328664	1	333871	7.9	124.5	117.9	1837	328664	1	333871	14.1	93.4	0	+∞	Si
548	332530	1	333871	7.9	124.5	117.9	1837	332530	1	333871	14.1	93.4	0	+∞	Si
605	310208	1	324707	11.8	124.5	483.5	1837	310208	1	324707	11.8	93.4	0	+∞	Si
663	261698	1	289399	10.5	124.5	430.9	1837	261698	1	289399	10.5	93.4	0	+∞	Si
692	227622	1	261924	9.5	124.5	390	1837	227622	1	261924	9.5	93.4	0	+∞	Si
750	139831	1	187333	6.2	124.5	277.4	1837	139831	1	187333	6.2	93.4	0	+∞	Si
807	25851	1	86555	2.8	124.5	128.2	1837	25851	1	86555	2.8	93.4	0	+∞	Si
837	-64585	9	-64585	2	124.5	72.6	1837	-47030	2	-47030	1.5	93.4	0	+∞	Si
865	-135847	9	-98800	3.1	124.5	111.1	1837	-117199	2	-80698	2.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	2	-0.001	2	9999	Si
58	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
115	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.011	2	0.011	2	9999	Si
173	0.013	0.012	0.011	0.01	0.012	0.012	0.01	0.01	0.012	0.012	0.029	2	0.028	2	9999	Si
231	0.021	0.021	0.019	0.018	0.021	0.021	0.018	0.018	0.021	0.021	0.049	2	0.049	2	9999	Si
259	0.026	0.025	0.023	0.022	0.026	0.025	0.023	0.022	0.026	0.025	0.06	2	0.06	2	9999	Si
317	0.035	0.034	0.031	0.03	0.034	0.034	0.03	0.03	0.034	0.034	0.08	2	0.08	2	9999	Si
375	0.042	0.041	0.037	0.036	0.041	0.041	0.037	0.037	0.041	0.041	0.097	2	0.097	2	8931	Si
432	0.046	0.046	0.041	0.041	0.046	0.046	0.041	0.041	0.046	0.046	0.108	2	0.108	2	7988	Si
490	0.048	0.048	0.043	0.042	0.048	0.048	0.043	0.043	0.048	0.048	0.113	2	0.113	2	7640	Si
548	0.047	0.047	0.042	0.042	0.047	0.047	0.042	0.042	0.047	0.047	0.111	2	0.111	2	7793	Si
605	0.044	0.043	0.039	0.038	0.044	0.044	0.039	0.039	0.044	0.044	0.102	1	0.102	1	8509	Si
663	0.037	0.036	0.033	0.032	0.037	0.037	0.033	0.033	0.037	0.037	0.086	1	0.086	1	9999	Si
692	0.033	0.032	0.029	0.028	0.033	0.033	0.029	0.029	0.033	0.033	0.076	1	0.076	1	9999	Si
750	0.023	0.022	0.02	0.02	0.023	0.023	0.02	0.02	0.023	0.023	0.053	1	0.052	1	9999	Si
807	0.012	0.011	0.01	0.01	0.012	0.011	0.01	0.01	0.012	0.012	0.026	1	0.026	1	9999	Si
837	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.013	1	0.012	1	9999	Si

Trave a "Piano 1" 36A-38

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 36A - 36B, sezione R 45x70, asta 810

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	5.4						-442280	LU 12	-364793	-2772667	0.095	Si
22	22.81	5.4	22.81	5.4						-298320	LU 12	-298320	-2772667	0.095	Si
23	22.81	5.4	22.81	5.4						-295544	LU 12	-295544	-2772667	0.095	Si
44	22.81	5.4	22.81	5.4						-170384	LU 18	-295544	-2772667	0.095	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
66	21.43	5.4	22.81	5.4	-41266	LU 2	66213	2772665	0.096	-73155	LU 17	-209900	-2609966	0.093	Si
77	20.4	5.4	22.81	5.4	-99	LU 2	105704	2772803	0.096	-34749	LU 17	-150856	-2487038	0.092	Si
99	18.32	5.4	22.81	5.4	81417	LU 11	172715	2772950	0.098	23847	LU 8	-59265	-2241057	0.09	Si
121	15.21	5.4	22.81	5.4	153522	LU 11	223766	2773116	0.1						Si
143	15.21	5.4	22.81	5.4	209667	LU 11	258856	2773116	0.1						Si
165	15.21	5.4	22.81	5.4	249851	LU 11	277984	2773116	0.1						Si
187	15.21	5.4	22.81	5.4	274074	LU 11	282336	2773116	0.1						Si
209	15.21	5.4	22.81	5.4	282336	LU 11	282336	2773116	0.1						Si
231	15.21	5.4	22.81	5.4	274637	LU 11	282336	2773116	0.1						Si
242	15.21	5.4	22.81	5.4	264803	LU 11	281665	2773116	0.1						Si
264	15.21	5.4	22.81	5.4	233163	LU 11	271081	2773116	0.1						Si
286	15.21	5.4	22.81	5.4	185562	LU 11	244535	2773116	0.1						Si
308	15.21	5.4	22.81	5.4	123418	LU 11	203114	2773116	0.1						Si
309	15.21	5.4	22.81	5.4	121997	LU 11	121933	2773116	0.1						Si
331	15.21	5.4	22.81	5.4	42285	LU 11	42285	2773116	0.1						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	21.43	0	6894	LU 12	6894	13478	76908	0	13478	1	Si
22	0	19.36	0	6171	LU 12	6171	13028	76908	0	13028	1	Si
23	0.144	19.36	0	6155	LU 12	6155	13028	76908	16673	16673	1	Si
44	0.144	15.21	0	5446	LU 12	5446	12021	76908	16673	16673	1	Si
66	0.144	15.21	0	4722	LU 12	4722	12021	76908	16673	16673	1	Si
77	0.144	15.21	0	4360	LU 12	4360	12021	76908	16673	16673	1	Si
99	0.117	22.81	0	3636	LU 12	3636	13760	76908	13632	13760	1	Si
121	0.117	22.81	0	2911	LU 12	2911	13760	76908	13632	13760	1	Si
143	0.117	22.81	0	2187	LU 12	2187	13760	76908	13632	13760	1	Si
165	0.117	22.81	0	1463	LU 12	1463	13760	76908	13632	13760	1	Si
187	0.117	22.81	0	739	LU 12	739	13760	76908	13632	13760	1	Si
209	0.117	22.81	0	16	LU 18	16	13760	76908	13632	13760	1	Si
231	0.117	22.81	0	-711	LU 11	-711	-13760	-76908	-13632	-13760	1	Si
242	0.072	22.81	0	-1074	LU 11	-1074	-13760	-76908	-8336	-13760	1	Si
264	0.072	22.81	0	-1798	LU 11	-1798	-13760	-76908	-8336	-13760	1	Si
286	0.072	22.81	0	-2522	LU 11	-2522	-13760	-76908	-8336	-13760	1	Si
308	0.072	22.81	0	-3238	LU 11	-3238	-13760	-76908	-8336	-13760	1	Si
309	0	22.81	0	-3253	LU 11	-3253	-13760	-76908	0	-13760	1	Si
331	0	22.81	0	-3969	LU 11	-3969	-13760	-76908	0	-13760	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-331896	3	-274143	6.5	124.5	206.5	1837	-293699	2	-244381	5.8	93.4	0	+∞	Si
22	-224600	3	-224600	5.4	124.5	169.2	1837	-202076	2	-202076	4.8	93.4	0	+∞	Si
23	-222531	3	-222531	5.3	124.5	167.6	1837	-200310	2	-200310	4.8	93.4	0	+∞	Si
44	-129244	9	-222531	5.3	124.5	167.6	1837	-120618	2	-200310	4.8	93.4	0	+∞	Si
66	-55615	8	-158700	3.9	124.5	126.9	1837	-51338	1	-145806	3.5	93.4	0	+∞	Si
77	-26077	8	-114576	2.8	124.5	96.1	1837	-21836	1	-107267	2.6	93.4	0	+∞	Si
99	58292	2	126335	3.2	124.5	95.5	1837	38560	2	96656	1.8	93.4	0	+∞	Si
121	112031	2	164381	4.3	124.5	124.7	1837	84444	2	129132	3.4	93.4	0	+∞	Si
143	153874	2	190530	5	124.5	144.6	1837	120164	2	151444	3.9	93.4	0	+∞	Si
165	183819	2	204782	5.3	124.5	155.4	1837	145721	2	163593	4.3	93.4	0	+∞	Si
187	201869	2	208021	5.4	124.5	157.8	1837	161113	2	166341	4.3	93.4	0	+∞	Si
209	208021	2	208021	5.4	124.5	157.8	1837	166341	2	166341	4.3	93.4	0	+∞	Si
231	202277	2	208021	5.4	124.5	157.8	1837	161406	2	166341	4.3	93.4	0	+∞	Si
242	194943	2	207520	5.4	124.5	157.5	1837	155126	2	165908	4.3	93.4	0	+∞	Si
264	171354	2	199625	5.2	124.5	151.5	1837	134945	2	159135	4.1	93.4	0	+∞	Si
286	135868	2	179832	4.7	124.5	136.5	1837	104599	2	142197	3.7	93.4	0	+∞	Si
308	89542	2	148952	3.9	124.5	113	1837	64992	2	115787	3	93.4	0	+∞	Si
309	88482	2	88434	2.3	124.5	67.1	1837	64087	2	64046	1.7	93.4	0	+∞	Si
331	29062	2	29062	0.8	124.5	22.1	1837	13298	2	13298	0.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.002	2	9999	Si
23	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.002	2	9999	Si
44	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
66	0.007	0.005	0.005	0.003	0.006	0.005	0.004	0.003	0.005	0.005	0.009	2	0.008	2	9999	Si
77	0.008	0.005	0.006	0.004	0.007	0.006	0.005	0.004	0.006	0.006	0.011	2	0.01	2	9999	Si
99	0.01	0.007	0.008	0.005	0.009	0.007	0.007	0.006	0.008	0.007	0.014	2	0.013	2	9999	Si
121	0.013	0.009	0.01	0.007	0.011	0.009	0.008	0.007	0.01	0.009	0.018	2	0.016	2	9999	Si
143	0.015	0.011	0.011	0.008	0.013	0.011	0.01	0.008	0.012	0.011	0.021	2	0.019	2	9999	Si
165	0.017	0.012	0.013	0.009	0.015	0.012	0.011	0.009	0.014	0.012	0.024	2	0.021	2	9999	Si
187	0.019	0.013	0.014	0.01	0.016	0.013	0.012	0.01	0.015	0.013	0.026	2	0.023	2	9999	Si
209	0.02	0.014	0.015	0.011	0.017	0.015	0.013	0.011	0.016	0.015	0.028	2	0.025	2	9999	Si
231	0.021	0.015	0.016	0.012	0.018	0.015	0.014	0.012	0.017	0.015	0.03	2	0.027	2	9999	Si
242	0.021	0.015	0.017	0.012	0.019	0.016	0.014	0.012	0.017	0.016	0.031	2	0.028	2	9999	Si
264	0.022	0.016	0.017	0.012	0.019	0.016	0.015	0.013	0.018	0.016	0.032	2	0.029	2	9999	Si
286	0.023	0.016	0.018	0.013	0.02	0.017	0.015	0.013	0.018	0.017	0.033	2	0.029	2	9999	Si
308	0.023	0.016	0.018	0.013	0.02	0.017	0.016	0.013	0.018	0.017	0.033	2	0.03	2	9999	Si
309	0.023	0.016	0.018	0.013	0.02	0.017	0.016	0.013	0.018	0.017	0.033	2	0.03	2	9999	Si
331	0.023	0.017	0.018	0.013	0.02	0.017	0.016	0.013	0.019	0.017	0.033	2	0.03	2	9999	Si

Campata 2 tra i fili 36B - 36C, sezione R 45x70, asta 811

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	5.4	41056	LU 11	41056	2773116	0.1						Si
22	15.21	5.4	22.81	5.4	141274	LU 11	239599	2773116	0.1						Si
46	15.21	5.4	22.81	5.4	222755	LU 11	293588	2773116	0.1						Si
68	15.21	5.4	22.81	5.4	281679	LU 11	325752	2773116	0.1						Si
80	15.21	5.4	22.81	5.4	303334	LU 12	333845	2773116	0.1						Si
103	15.21	5.4	22.81	5.4	330709	LU 12	336780	2773116	0.1						Si
125	21.5	5.4	22.81	5.4	336780	LU 12	336780	2772712	0.096						Si
148	25.8	5.4	22.81	5.4	321545	LU 12	336780	2772363	0.094						Si
171	30.1	5.4	27.31	5.4	285006	LU 12	327203	3304444	0.096						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
194	30.41	5.4	30.38	5.4	227161	LU 12	296526	3667539	0.099						Si
217	30.41	5.4	30.41	5.4	154269	LU 18	244545	3671810	0.099						Si
239	30.41	5.4	30.41	5.4	86438	LU 17	174874	3671810	0.099	27062	LU 2	-115668	-3671810	0.099	Si
251	30.41	5.4	30.41	5.4	47060	LU 17	139199	3671810	0.099	-22095	LU 2	-187672	-3671810	0.099	Si
274	30.41	5.4	39.44	6.3	-30464	LU 8	68732	4667269	0.109	-146726	LU 11	-305279	-3744037	0.108	Si
297	30.41	5.4	41.81	6.5						-305279	LU 11	-305279	-3762824	0.11	Si
319	30.41	5.4	41.81	6.5						-476280	LU 11	-426580	-3762824	0.11	Si
342	30.41	5.4	41.81	6.5						-670973	LU 11	-468458	-3762824	0.11	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	4878	LU 12	4878	13760	76908	0	13760	1	Si
22	0.172	22.81	0	4017	LU 12	4017	13760	76908	20007	20007	1	Si
46	0.172	22.81	0	3070	LU 12	3070	13760	76908	20007	20007	1	Si
68	0.172	22.81	0	2135	LU 12	2135	13760	76908	20007	20007	1	Si
80	0.172	22.81	0	1671	LU 18	1671	13760	76908	20007	20007	1	Si
103	0.172	22.81	0	872	LU 17	872	13760	76908	19965	19965	1	Si
125	0.172	22.81	0	180	LU 17	180	13760	76908	19965	19965	1	Si
125	0.172	22.81	0	-245	LU 2	-245	-13760	-76908	-19965	-19965	1	Si
148	0.172	22.81	0	-1153	LU 11	-1153	-13760	-76908	-19965	-19965	1	Si
171	0.172	22.81	0	-2088	LU 11	-2088	-13760	-76908	-19965	-19965	1	Si
194	0.172	22.81	0	-3023	LU 11	-3023	-13760	-76908	-19965	-19965	1	Si
217	0.172	22.81	0	-3957	LU 11	-3957	-13760	-76908	-19965	-19965	1	Si
239	0.201	27.31	0	-4892	LU 11	-4892	-14611	-76908	-23342	-23342	1	Si
251	0.201	30.41	0	-5359	LU 11	-5359	-15145	-76908	-23342	-23342	1	Si
274	0.201	30.41	0	-6294	LU 11	-6294	-15145	-76908	-23342	-23342	1	Si
297	0.201	30.41	0	-7252	LU 11	-7252	-15145	-76908	-23342	-23342	1	Si
319	0	30.41	0	-8163	LU 11	-8163	-15145	-76908	0	-15145	1	Si
342	0	30.41	0	-8915	LU 11	-8915	-15145	-76908	0	-15145	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	28112	2	28112	0.7	124.5	21.3	1837	12327	2	12327	0.3	93.4	0	+∞	Si
22	103172	2	177013	4.6	124.5	134.3	1837	78146	2	143824	3.7	93.4	0	+∞	Si
46	164335	2	217752	5.7	124.5	165.2	1837	132417	2	180946	4.7	93.4	0	+∞	Si
68	208738	2	242251	6.3	124.5	183.8	1837	172617	2	204258	5.3	93.4	0	+∞	Si
80	225127	3	248567	6.5	124.5	188.6	1837	187751	2	210947	5.5	93.4	0	+∞	Si
103	246070	3	251190	6.5	124.5	190.6	1837	208085	2	215174	5.6	93.4	0	+∞	Si
125	251190	3	251190	6.1	124.5	189.4	1837	215174	2	215174	5.2	93.4	0	+∞	Si
148	240488	3	251190	5.8	124.5	188.8	1837	209019	2	215174	5	93.4	0	+∞	Si
171	213964	3	244521	5.1	124.5	154	1837	189619	2	211624	4.4	93.4	0	+∞	Si
194	171619	3	222352	4.5	124.5	126.3	1837	156975	2	195869	4	93.4	0	+∞	Si
217	117623	9	184360	3.7	124.5	104.6	1837	111086	2	166869	3.4	93.4	0	+∞	Si
239	65382	8	132957	2.7	124.5	75.4	1837	58176	1	124625	2.5	93.4	0	+∞	Si
251	35013	8	106089	2.1	124.5	60.2	1837	27299	1	99671	2	93.4	0	+∞	Si
251	-5631	2	-133857	2.7	124.5	76	1837								Si
274	-103625	2	-220714	4.2	124.5	125.4	1837	-61580	2	-156485	3	93.4	0	+∞	Si
297	-220714	2	-220714	4.1	124.5	125.4	1837	-156485	2	-156485	2.9	93.4	0	+∞	Si
319	-347080	2	-310325	5.8	124.5	176.3	1837	-259314	2	-229275	4.3	93.4	0	+∞	Si
342	-491047	2	-341263	6.4	124.5	193.9	1837	-376904	2	-254405	4.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.023	0.017	0.018	0.013	0.02	0.017	0.016	0.013	0.019	0.017	0.033	2	0.03	2	9999	Si
22	0.023	0.017	0.018	0.013	0.02	0.017	0.016	0.013	0.019	0.017	0.034	2	0.03	2	9999	Si
34	0.023	0.017	0.018	0.013	0.02	0.017	0.016	0.014	0.019	0.017	0.034	2	0.031	2	9999	Si
46	0.023	0.017	0.018	0.013	0.02	0.017	0.016	0.014	0.019	0.017	0.034	2	0.031	2	9999	Si
68	0.023	0.017	0.018	0.013	0.02	0.017	0.016	0.013	0.019	0.017	0.033	2	0.03	2	9999	Si
80	0.023	0.017	0.018	0.013	0.02	0.017	0.015	0.013	0.019	0.017	0.033	2	0.03	2	9999	Si
103	0.022	0.017	0.017	0.013	0.02	0.017	0.015	0.013	0.019	0.017	0.032	2	0.029	2	9999	Si
125	0.021	0.016	0.016	0.012	0.019	0.016	0.014	0.012	0.018	0.016	0.03	2	0.028	2	9999	Si
148	0.02	0.015	0.015	0.012	0.018	0.015	0.013	0.012	0.017	0.015	0.028	2	0.026	2	9999	Si
171	0.018	0.014	0.013	0.011	0.016	0.014	0.012	0.011	0.015	0.014	0.026	2	0.024	2	9999	Si
194	0.016	0.013	0.012	0.009	0.014	0.013	0.011	0.009	0.014	0.013	0.023	2	0.021	2	9999	Si
217	0.013	0.011	0.01	0.008	0.012	0.011	0.009	0.008	0.012	0.011	0.019	2	0.018	2	9999	Si
239	0.011	0.009	0.008	0.006	0.01	0.009	0.007	0.006	0.009	0.009	0.015	2	0.014	2	9999	Si
251	0.009	0.008	0.007	0.006	0.009	0.008	0.006	0.006	0.008	0.008	0.014	2	0.013	2	9999	Si
274	0.007	0.006	0.005	0.004	0.006	0.006	0.004	0.004	0.006	0.006	0.01	2	0.009	2	9999	Si
297	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.006	2	0.006	2	9999	Si
319	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si

Campata 3 tra i fili 36C - ?, sezione R 45x70, asta 812

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	41.81	6.5						-1932767	LU 12	-1621255	-3762824	0.11	Si
21	30.41	5.4	41.81	6.5						-1646208	LU 12	-1560228	-3762824	0.11	Si
42	30.41	5.4	41.81	6.5						-1377903	LU 18	-1377149	-3762824	0.11	Si
45	30.41	5.4	41.81	6.5						-1345427	LU 18	-1345427	-3762824	0.11	Si
63	30.41	5.4	41.27	6.5						-1123544	LU 18	-1345427	-3758449	0.11	Si
85	30.41	5.4	36.99	6.1	-612019	LU 1	14937	4397377	0.106	-882882	LU 18	-1217239	-3724483	0.105	Si
95	30.41	5.4	30.41	5.4	-533380	LU 1	50642	3671808	0.099	-767688	LU 18	-1092639	-3671810	0.099	Si
116	30.41	5.4	27.56	5.4	-382622	LU 1	105488	3334535	0.096	-547574	LU 18	-853712	-3671922	0.1	Si
138	27.33	5.4	22.81	5.4	-240555	LU 1	138245	2772287	0.093	-341157	LU 18	-628483	-3308205	0.1	Si
159	23.34	5.4	22.81	5.4	-107182	LU 1	148913	2772603	0.095	-148438	LU 18	-416951	-2835987	0.095	Si
180	15.21	5.4	22.81	5.4	33605	LU 12	255202	2773116	0.1	17500	LU 1	-219118	-1872416	0.087	Si
201	15.21	5.4	22.81	5.4	196146	LU 18	408443	2773116	0.1	133628	LU 1	-39510	-1872416	0.087	Si
222	15.21	5.4	22.81	5.4	352336	LU 18	553786	2773116	0.1						Si
243	21.87	6.7	31.58	6	500628	LU 18	691231	3785728	0.136						Si
254	23.96	6.9	34.43	6.1	571812	LU 18	756991	4093802	0.145						Si
275	26.61	7.1	38.01	6.2	708257	LU 18	828822	4478366	0.155						Si
295	26.61	7.1	38.01	6.2	828822	LU 18	828822	4478366	0.155						Si
296	26.61	7.1	38.01	6.2	836794	LU 18	836451	4478366	0.155						Si
317	26.61	7.1	38.01	6.2	954209	LU 18	895155	4478366	0.155						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	13886	LU 12	13886	15145	76908	0	15145	1	Si
21	0	30.41	0	13190	LU 12	13190	15145	76908	0	15145	1	Si
42	0	30.41	0	12495	LU 12	12495	15145	76908	0	15145	1	Si
45	0.474	30.41	0	12407	LU 12	12407	15145	76908	55020	55020	1	Si
63	0.474	29.33	0	11799	LU 12	11799	14964	76908	55020	55020	1	Si
85	0.474	25.34	0	11103	LU 12	11103	14252	76908	55020	55020	1	Si
95	0.474	23.34	0	10755	LU 12	10755	13867	76908	55020	55020	1	Si
116	0.439	15.21	0	10076	LU 18	10076	12021	76908	50928	50928	1	Si
138	0.439	15.21	0	9428	LU 18	9428	12021	76908	50928	50928	1	Si
159	0.439	15.21	0	8781	LU 18	8781	12021	76908	50928	50928	1	Si
180	0.439	27.56	0	8134	LU 18	8134	14657	76908	50928	50928	1	Si
201	0.439	22.81	0	7566	LU 18	7566	13760	76908	50928	50928	1	Si
222	0.439	22.81	0	7192	LU 18	7192	13760	76908	50928	50928	1	Si
243	0.416	22.81	0	6819	LU 18	6819	13703	76247	47935	47935	1	Si
254	0.416	22.81	0	6633	LU 18	6633	13690	76104	47846	47846	1	Si
275	0.416	22.81	0	6260	LU 18	6260	13677	75956	47752	47752	1	Si
295	0.416	22.81	0	5896	LU 18	5896	13677	75956	47752	47752	1	Si
296	0	22.81	0	5871	LU 18	5871	13677	75956	0	13677	1	Si
317	0	34.43	0	5283	LU 17	5283	15690	75956	0	15690	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1464426	3	-1229251	23.1	124.5	698.5	1837	-1360138	2	-1145440	21.5	93.4	0	+∞	Si
21	-1248070	3	-1183056	22.2	124.5	672.3	1837	-1162644	2	-1102578	20.7	93.4	0	+∞	Si
42	-1045043	9	-1044470	19.6	124.5	593.5	1837	-974527	2	-973993	18.3	93.4	0	+∞	Si
45	-1020458	9	-1020458	19.2	124.5	579.9	1837	-951714	2	-951714	17.9	93.4	0	+∞	Si
63	-852471	9	-1020458	19.2	124.5	579.8	1837	-795788	2	-951714	17.9	93.4	0	+∞	Si
85	-670191	9	-923414	17.9	124.5	524.4	1837	-626426	2	-861651	16.7	93.4	0	+∞	Si
95	-582910	9	-829066	16.8	124.5	470.4	1837	-545262	2	-774048	15.7	93.4	0	+∞	Si
116	-416065	9	-648089	13.5	124.5	368.6	1837	-389966	2	-605873	12.6	93.4	0	+∞	Si
138	-259512	9	-477402	10.8	124.5	302.1	1837	-244048	2	-447076	10.1	93.4	0	+∞	Si
159	-113249	9	-317006	7.5	124.5	233.5	1837	-107507	2	-297656	7	93.4	0	+∞	Si
180	24737	3	193491	5	124.5	146.8	1837	19657	2	179706	4.7	93.4	0	+∞	Si
201	148581	9	310044	8.1	124.5	235.3	1837	137598	2	288980	7.5	93.4	0	+∞	Si
222	267365	9	420619	10.9	124.5	319.2	1837	248968	2	392639	10.2	93.4	0	+∞	Si
243	380172	9	525215	11.8	124.5	298.2	1837	354723	2	490682	11	93.4	0	+∞	Si
254	434334	9	575272	12.5	124.5	302.2	1837	405496	2	537599	11.7	93.4	0	+∞	Si
275	538174	9	629959	13.1	124.5	302.6	1837	502828	2	588852	12.2	93.4	0	+∞	Si
295	629959	9	629959	13.1	124.5	302.6	1837	588852	2	588852	12.2	93.4	0	+∞	Si
296	636029	9	635768	13.2	124.5	305.3	1837	594540	2	594297	11.8	93.4	0	+∞	Si
317	725509	9	680469	14.2	124.5	326.8	1837	678546	2	636195	13.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.006	1	-0.006	1	9999	Si
42	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.01	1	-0.01	1	9999	Si
45	-0.006	-0.007	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.01	1	-0.01	1	9999	Si
63	-0.007	-0.008	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.012	1	-0.012	1	9999	Si
85	-0.007	-0.008	-0.006	-0.007	-0.007	-0.008	-0.006	-0.006	-0.007	-0.008	-0.012	1	-0.013	1	9999	Si
95	-0.007	-0.008	-0.006	-0.007	-0.007	-0.008	-0.006	-0.006	-0.007	-0.007	-0.012	1	-0.012	1	9999	Si
116	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.011	1	-0.011	1	9999	Si
138	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.009	1	-0.01	1	9999	Si
159	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.007	1	-0.007	1	9999	Si
180	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.005	1	9999	Si
201	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
222	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
243	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
254	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
275	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.002	2	0.002	2	9999	Si
295	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
296	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Trave a "Piano 1" 37-(2734; 3666)

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x60	Rettangolare	30	60	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - ?, sezione R 30x60, asta 995

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-332257	LU 12	-303663	-796256	0.099	Si
15	7.6	5.4	7.6	5.4						-276873	LU 12	-276873	-796256	0.099	Si
20	7.6	5.4	7.6	5.4						-259014	LU 12	-276873	-796256	0.099	Si
40	7.6	5.4	7.6	5.4						-192991	LU 12	-275338	-796256	0.099	Si
60	7.6	5.4	7.6	5.4						-137609	LU 18	-207665	-796256	0.099	Si
80	7.6	5.4	7.6	5.4						-93078	LU 17	-149837	-796256	0.099	Si
90	7.6	5.4	7.6	5.4						-74812	LU 17	-123978	-796256	0.099	Si
110	7.6	5.4	7.6	5.4	-9036	LU 2	23362	796256	0.099	-42188	LU 17	-83159	-796256	0.099	Si
130	7.6	5.4	7.6	5.4	18175	LU 2	46778	796256	0.099	-14775	LU 17	-49345	-796256	0.099	Si
150	7.6	5.4	7.6	5.4	42032	LU 11	64098	796256	0.099	4767	LU 8	-20741	-796256	0.099	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
170	7.6	5.4	7.6	5.4	61000	LU 11	74200	796256	0.099						Si
190	7.6	5.4	7.6	5.4	72752	LU 11	77287	796256	0.099						Si
210	7.6	5.4	7.6	5.4	77287	LU 11	77287	796256	0.099						Si
230	7.6	5.4	7.6	5.4	74606	LU 11	77287	796256	0.099						Si
240	7.6	5.4	7.6	5.4	70560	LU 11	77049	796256	0.099						Si
260	7.6	5.4	7.6	5.4	57057	LU 11	72409	796256	0.099						Si
278	7.6	5.4	7.6	5.4	39154	LU 11	62468	796256	0.099						Si
280	7.6	5.4	7.6	5.4	36339	LU 11	36339	796256	0.099						Si
300	7.6	5.4	7.6	5.4	8474	LU 12	8474	796256	0.099						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3842	LU 12	3842	6713	43335	0	6713	1	Si
15	0.046	7.6	0	3572	LU 12	3572	6713	43335	4509	6713	1	Si
20	0.046	7.6	0	3482	LU 12	3482	6713	43335	4509	6713	1	Si
40	0.046	7.6	0	3121	LU 12	3121	6713	43335	4509	6713	1	Si
60	0.046	7.6	0	2760	LU 12	2760	6713	43335	4509	6713	1	Si
80	0.046	7.6	0	2399	LU 12	2399	6713	43335	4509	6713	1	Si
90	0.046	7.6	0	2218	LU 12	2218	6713	43335	4509	6713	1	Si
110	0.046	7.6	0	1857	LU 12	1857	6713	43335	4509	6713	1	Si
130	0.046	7.6	0	1496	LU 12	1496	6713	43335	4509	6713	1	Si
150	0.046	7.6	0	1136	LU 12	1136	6713	43335	4509	6713	1	Si
170	0.046	7.6	0	775	LU 12	775	6713	43335	4509	6713	1	Si
190	0.046	7.6	0	459	LU 17	459	6713	43335	4509	6713	1	Si
210	0.046	7.6	0	198	LU 17	198	6713	43335	4509	6713	1	Si
230	0.046	7.6	0	-314	LU 11	-314	-6713	-43335	-4509	-6713	1	Si
240	0.046	7.6	0	-495	LU 11	-495	-6713	-43335	-4509	-6713	1	Si
260	0.046	7.6	0	-856	LU 11	-856	-6713	-43335	-4509	-6713	1	Si
278	0.046	7.6	0	-1171	LU 11	-1171	-6713	-43335	-4509	-6713	1	Si
280	0	7.6	0	-1216	LU 11	-1216	-6713	-43335	0	-6713	1	Si
300	0	7.6	0	-1577	LU 11	-1577	-6713	-43335	0	-6713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-249981	3	-228701	15.4	124.5	607.9	1837	-224108	2	-206090	13.9	93.4	0	+∞	Si
15	-208757	3	-208757	14.1	124.5	554.9	1837	-189175	2	-189175	12.8	93.4	0	+∞	Si
20	-195461	3	-208757	14.1	124.5	554.9	1837	-177897	2	-189175	12.8	93.4	0	+∞	Si
40	-146289	3	-207613	14	124.5	551.8	1837	-136097	2	-188205	12.7	93.4	0	+∞	Si
60	-104745	9	-157219	10.6	124.5	417.9	1837	-98708	2	-145397	9.8	93.4	0	+∞	Si
80	-70969	8	-113923	7.7	124.5	302.8	1837	-66878	1	-107000	7.2	93.4	0	+∞	Si
90	-56948	8	-94511	6.4	124.5	251.2	1837	-53051	1	-89455	6	93.4	0	+∞	Si
110	-31912	8	-63355	4.3	124.5	168.4	1837	-28403	1	-59370	4	93.4	0	+∞	Si
130	9529	2	32783	2.2	124.5	87.1	1837								Si
130	-10885	8	-37404	2.5	124.5	99.4	1837	-7763	1	-33806	2.3	93.4	0	+∞	Si
150	29204	2	45891	3.1	124.5	122	1837	14969	2	30351	2	93.4	0	+∞	Si
170	43533	2	53652	3.6	124.5	142.6	1837	28105	2	38070	2.6	93.4	0	+∞	Si
190	52516	2	56154	3.8	124.5	149.3	1837	36831	2	41380	2.8	93.4	0	+∞	Si
210	56154	2	56154	3.8	124.5	149.3	1837	41149	2	41655	2.8	93.4	0	+∞	Si
230	54447	2	56154	3.8	124.5	149.3	1837	41058	2	41655	2.8	93.4	0	+∞	Si
240	51589	2	56053	3.8	124.5	149	1837	39360	2	41655	2.8	93.4	0	+∞	Si
260	41866	2	52895	3.6	124.5	140.6	1837	32656	2	40136	2.7	93.4	0	+∞	Si
278	28849	2	45775	3.1	124.5	121.7	1837	23072	2	35416	1.8	93.4	0	+∞	Si
280	26798	2	26798	1.8	124.5	71.2	1837	21546	2	21546	1.5	93.4	0	+∞	Si
300	6432	3	6432	0.4	124.5	17.1	1837	6027	2	6027	0.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
40	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
60	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.004	2	-0.004	2	9999	Si
70	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.004	2	-0.004	2	9999	Si
80	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.003	2	-0.004	2	9999	Si
90	0	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.003	2	-0.004	2	9999	Si
110	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
130	0.001	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.002	2	-0.002	2	9999	Si
150	0.001	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	2	-0.002	2	9999	Si
170	0.001	0	0.001	-0.001	0.001	0	0	0	0.001	0	0	2	-0.001	2	9999	Si
190	0.002	0	0.001	0	0.001	0	0	0	0.001	0	0	2	0	2	9999	Si
210	0.002	0	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0	2	9999	Si
230	0.002	0	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0	2	9999	Si
240	0.001	0	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
260	0.001	0	0.001	0	0.001	0	0	0	0.001	0	0.001	2	0	2	9999	Si
278	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
280	0.001	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Trave a "Piano 1" 39-5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 39 - 33, sezione R 45x70, asta 948

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	22.81	5.4						-373097	LU 11	-282708	-3222394	0.099	Si
19	26.61	5.4	22.81	5.4						-258734	LU 11	-249513	-3222394	0.099	Si
28	26.61	5.4	22.81	5.4						-210691	LU 11	-210691	-3222394	0.099	Si
37	26.61	5.4	22.81	5.4						-161409	LU 11	-210691	-3222394	0.099	Si
56	26.61	5.4	22.81	5.4	-60127	LU 5	13623	2772355	0.093	-84571	LU 15	-210691	-3222394	0.099	Si
75	26.61	5.4	22.81	5.4	-9211	LU 3	46482	2772355	0.093	-39555	LU 15	-123958	-3222394	0.099	Si
84	26.61	5.4	22.81	5.4	11623	LU 2	78528	2772355	0.093	-21945	LU 17	-87936	-3222394	0.099	Si
103	26.61	5.4	21.51	5.4	45061	LU 11	144128	2618198	0.092	1545	LU 8	-41945	-3222545	0.1	Si
121	26.61	5.4	17.73	5.4	65719	LU 11	184173	2171672	0.089	11202	LU 8	-9310	-3222600	0.104	Si
140	26.61	5.4	11.4	5.4	69339	LU 11	198662	1422107	0.084	11283	LU 8	-7776	-3221991	0.114	Si
159	26.61	5.4	11.4	5.4	55923	LU 11	187595	1422107	0.084	1787	LU 8	-38515	-3221991	0.114	Si
177	26.61	5.4	11.4	5.4	27561	LU 2	150972	1422107	0.084	-19376	LU 17	-82513	-3221991	0.114	Si
196	26.61	5.4	11.4	5.4	-11744	LU 2	88794	1422107	0.084	-56209	LU 17	-143005	-3221991	0.114	Si
215	26.61	5.4	15.76	5.4	-65214	LU 2	11719	1938288	0.087	-105943	LU 13	-229346	-3222605	0.106	Si
224	26.61	5.4	17.02	5.4						-138386	LU 14	-281728	-3222595	0.104	Si
243	26.61	5.4	19.01	5.4						-223427	LU 12	-308440	-3222510	0.102	Si
258	26.61	5.4	19.01	5.4						-308440	LU 12	-308440	-3222510	0.102	Si
261	26.61	5.4	19.01	5.4						-331478	LU 12	-329661	-3222510	0.102	Si
280	26.61	5.4	19.01	5.4						-456567	LU 12	-376575	-3222510	0.102	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	6580	LU 11	6580	14486	76908	0	14486	1	Si
19	0	26.61	0	5669	LU 11	5669	14486	76908	0	14486	1	Si
28	0.259	26.61	0	5238	LU 11	5238	14486	76908	30011	30011	1	Si
37	0.259	26.61	0	4757	LU 11	4757	14486	76908	30011	30011	1	Si
56	0.259	26.61	0	3844	LU 11	3844	14486	76908	30011	30011	1	Si
75	0.259	26.61	0	2932	LU 11	2932	14486	76908	30011	30011	1	Si
84	0.259	11.4	0	2475	LU 11	2475	10922	76908	30011	30011	1	Si
103	0.234	11.4	0	1563	LU 11	1563	10922	76908	27216	27216	1	Si
121	0.234	11.4	0	650	LU 11	650	10922	76908	27216	27216	1	Si
140	0.234	14.51	0	-353	LU 14	-353	-11834	-76908	-27216	-27216	1	Si
159	0.234	17.02	0	-1225	LU 12	-1225	-12481	-76908	-27216	-27216	1	Si
177	0.234	19.01	0	-2137	LU 12	-2137	-12949	-76908	-27216	-27216	1	Si
196	0.259	26.61	0	-3050	LU 12	-3050	-14486	-76908	-30011	-30011	1	Si
215	0.259	26.61	0	-3962	LU 12	-3962	-14486	-76908	-30011	-30011	1	Si
224	0.259	26.61	0	-4419	LU 12	-4419	-14486	-76908	-30011	-30011	1	Si
243	0.259	26.61	0	-5331	LU 12	-5331	-14486	-76908	-30011	-30011	1	Si
258	0.259	26.61	0	-6056	LU 12	-6056	-14486	-76908	-30011	-30011	1	Si
261	0	26.61	0	-6244	LU 12	-6244	-14486	-76908	0	-14486	1	Si
280	0	26.61	0	-7156	LU 12	-7156	-14486	-76908	0	-14486	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-278782	2	-211806	4.8	124.5	137.5	1837	-241401	2	-186049	4.2	93.4	0	+∞	Si
19	-194048	2	-187216	4.3	124.5	121.6	1837	-171398	2	-165752	3.8	93.4	0	+∞	Si
28	-158456	2	-158456	3.6	124.5	102.9	1837	-142014	2	-142014	3.2	93.4	0	+∞	Si
37	-121950	2	-158456	3.6	124.5	102.9	1837	-111890	2	-142014	3.2	93.4	0	+∞	Si
56	-64787	6	-158456	3.6	124.5	102.9	1837	-63042	1	-142014	3.2	93.4	0	+∞	Si
75	-30114	6	-94210	2.1	124.5	61.2	1837	-28081	1	-89016	2	93.4	0	+∞	Si
84	3018	2	40784	0.9	124.5	30.6	1837								Si
84	-16523	8	-67350	1.5	124.5	43.7	1837	-14192	1	-65521	1.5	93.4	0	+∞	Si
103	30894	2	49018	1.1	124.5	39	1837	13751	2	28246	0.7	93.4	0	+∞	Si
121	46136	2	49018	1.2	124.5	47	1837	26038	2	28246	0.7	93.4	0	+∞	Si
140	48742	2	49018	1.4	124.5	72.3	1837	27830	2	28246	0.8	93.4	0	+∞	Si
159	38713	2	49018	1.4	124.5	72.3	1837	19129	2	28246	0.8	93.4	0	+∞	Si
177	16050	2	45699	1.3	124.5	67.4	1837								Si
177	-13847	8	-62173	1.6	124.5	40.9	1837	-6973	1	-53730	1.4	93.4	0	+∞	Si
196	-42041	8	-108127	2.8	124.5	71.2	1837	-34257	1	-97004	2.5	93.4	0	+∞	Si
215	-80111	4	-172590	4.3	124.5	112.9	1837	-71118	1	-153526	3.8	93.4	0	+∞	Si
224	-104676	5	-211442	5.1	124.5	138.1	1837	-93964	2	-185722	4.5	93.4	0	+∞	Si
243	-168200	3	-231254	5.5	124.5	150.7	1837	-149887	2	-202142	4.8	93.4	0	+∞	Si
258	-231254	3	-231254	5.5	124.5	150.7	1837	-202142	2	-202142	4.8	93.4	0	+∞	Si
261	-248341	3	-246993	5.9	124.5	161	1837	-216305	2	-215188	5.1	93.4	0	+∞	Si
280	-341117	3	-281789	6.7	124.5	183.7	1837	-293216	2	-244027	5.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
28	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
37	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
56	0	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
75	0	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
84	0	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
103	0.001	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
121	0.001	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
140	0.001	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
159	0.001	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
177	0	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
196	0	0	0	-0.001	0	0	-0.001	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
205	0	0	0	-0.001	0	0	-0.001	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
215	0	0	0	-0.001	0	0	-0.001	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
224	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
243	0	0	0	-0.001	0	0	-0.001	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
258	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
261	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si

Campata 2 tra i fili 33 - 26, sezione R 45x70, asta 949

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	19.01	5.4						-317799	LU 12	-259965	-3222510	0.102	Si
12	26.61	5.4	19.01	5.4						-261044	LU 12	-247714	-3222510	0.102	Si
23	26.61	5.4	19.01	5.4						-214401	LU 12	-214401	-3222510	0.102	Si
35	26.61	5.4	18.89	5.4						-167491	LU 12	-214401	-3222627	0.103	Si
47	26.17	5.4	17.32	5.4	-69461	LU 6	9922	2122691	0.088	-130693	LU 12	-214401	-3170170	0.103	Si
52	24.79	5.4	16.53	5.4	-59639	LU 6	26138	2029737	0.088	-114789	LU 12	-210567	-3007649	0.102	Si
64	22.04	5.4	14.96	5.4	-42799	LU 6	51085	1843746	0.087	-87971	LU 12	-167172	-2682452	0.099	Si
76	19.29	5.4	11.4	5.4	-29698	LU 6	66054	1422107	0.084	-67805	LU 12	-130430	-2357374	0.098	Si
87	21.91	6.1	11.4	5.4	-20336	LU 6	71043	1451752	0.088	-54292	LU 12	-100340	-2638162	0.104	Si
99	14.62	6.7	11.4	5.4	-14714	LU 6	66054	1461522	0.092	-47432	LU 12	-76903	-1765890	0.091	Si
111	16.27	6.8	11.4	5.4	-12831	LU 6	51085	1470581	0.094	-47224	LU 12	-76602	-1952669	0.094	Si
122	17.92	6.9	11.4	5.4	-14634	LU 8	26138	1479576	0.096	-53723	LU 11	-100218	-2139421	0.097	Si
134	19.01	7	11.4	5.4						-67415	LU 11	-102475	-2262833	0.1	Si
140	19.01	7	11.4	5.4						-76756	LU 11	-102475	-2262833	0.1	Si
152	19.01	7	11.4	5.4						-102475	LU 11	-102475	-2262833	0.1	Si
163	19.01	7	11.4	5.4						-130753	LU 11	-121845	-2262833	0.1	Si
175	19.01	7	11.4	5.4						-167730	LU 11	-128967	-2262833	0.1	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.04	0	5150	LU 12	5150	13605	76908	0	13605	1	Si
12	0	19.29	0	4580	LU 12	4580	13014	76908	0	13014	1	Si
23	0.209	21.91	0	4050	LU 12	4050	13577	76908	24240	24240	1	Si
35	0.209	14.62	0	3439	LU 12	3439	11864	76908	24240	24240	1	Si
47	0.209	16.27	0	2869	LU 12	2869	12294	76908	24240	24240	1	Si
52	0.209	17.09	0	2584	LU 12	2584	12499	76908	24240	24240	1	Si
64	0.209	18.74	0	2014	LU 12	2014	12888	76908	24240	24240	1	Si
76	0.209	19.01	0	1443	LU 12	1443	12949	76908	24240	24240	1	Si
87	0.209	19.01	0	913	LU 14	913	12885	76131	23995	23995	1	Si
99	0.209	19.01	0	470	LU 13	470	12823	75385	23759	23759	1	Si
111	0.209	19.01	0	64	LU 4	64	12810	75217	23707	23707	1	Si
111	0.209	19.01	0	-318	LU 11	-318	-12810	-75217	-23707	-23707	1	Si
122	0.209	19.01	0	-889	LU 11	-889	-12798	-75081	-23664	-23664	1	Si
134	0.209	19.01	0	-1459	LU 11	-1459	-12792	-75003	-23639	-23639	1	Si
140	0.209	19.01	0	-1744	LU 11	-1744	-12792	-75003	-23639	-23639	1	Si
152	0.209	19.01	0	-2355	LU 11	-2355	-12792	-75003	-23639	-23639	1	Si
163	0	14.62	0	-2884	LU 11	-2884	-11720	-75003	0	-11720	1	Si
175	0	16.27	0	-3455	LU 11	-3455	-12145	-75003	0	-12145	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-236187	3	-193127	4.6	124.5	125.9	1837	-197300	2	-160855	3.8	93.4	0	+∞	Si
12	-193921	3	-183997	4.4	124.5	119.9	1837	-161489	2	-153088	3.6	93.4	0	+∞	Si
23	-159167	3	-159167	3.8	124.5	103.8	1837	-131966	2	-131966	3.1	93.4	0	+∞	Si
35	-124191	3	-159167	3.8	124.5	103.8	1837	-102158	2	-131966	3.1	93.4	0	+∞	Si
47	-96726	3	-159167	3.9	124.5	105.6	1837	-78639	2	-131966	3.2	93.4	0	+∞	Si
52	-84844	3	-156310	3.9	124.5	109.3	1837	-68416	2	-129537	3.2	93.4	0	+∞	Si
64	-64780	3	-123953	3.3	124.5	97.2	1837	-51043	2	-101954	2.7	93.4	0	+∞	Si
76	-49649	3	-96529	2.8	124.5	86.4	1837	-37768	2	-78469	2.3	93.4	0	+∞	Si
87	-39452	3	-74039	2.1	124.5	60.2	1837	-28591	2	-59082	1.7	93.4	0	+∞	Si
99	-34189	3	-56482	1.8	124.5	69.2	1837	-23511	2	-43792	1.4	93.4	0	+∞	Si
111	-33860	3	-55139	1.7	124.5	61.3	1837	-22529	2	-37916	1.2	93.4	0	+∞	Si
122	-38500	2	-72433	2.2	124.5	73.8	1837	-25645	2	-51242	1.6	93.4	0	+∞	Si
134	-48435	2	-74090	2.2	124.5	71.5	1837	-32858	2	-52535	1.6	93.4	0	+∞	Si
140	-55252	2	-74090	2.2	124.5	71.5	1837	-38001	2	-52535	1.6	93.4	0	+∞	Si
152	-74090	2	-74090	2.2	124.5	71.5	1837	-52535	2	-52535	1.6	93.4	0	+∞	Si
163	-94856	2	-88299	2.7	124.5	85.3	1837	-68818	2	-63604	1.9	93.4	0	+∞	Si
175	-122059	2	-93525	2.8	124.5	90.3	1837	-90373	2	-67675	2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
23	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
35	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
47	0	0	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
52	0	0	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
64	0	0	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
70	0	0	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
76	0	0	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
87	0	0	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
99	0	0	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
111	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
122	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
134	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
140	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
152	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
163	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Campata 3 tra i fili 26 - 16, sezione R 45x70, asta 950

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	7	11.4	5.4						-302106	LU 11	-225157	-2262833	0.1	Si
17	19.01	7	11.4	5.4						-192281	LU 11	-188063	-2262833	0.1	Si
23	19.01	7	11.4	5.4	-69969	LU 8	7606	1485575	0.097	-160177	LU 11	-160177	-2262833	0.1	Si
34	19.01	7	11.4	5.4	-36343	LU 8	40475	1485575	0.097	-96582	LU 11	-160177	-2262833	0.1	Si
51	19.01	7	11.4	5.4	6374	LU 8	92556	1485575	0.097	-15008	LU 11	-160177	-2262833	0.1	Si
68	19.01	7	11.4	5.4	57029	LU 18	135811	1485575	0.097	34149	LU 1	-71901	-2262833	0.1	Si
77	19.01	7	11.4	5.4	82323	LU 18	152141	1485575	0.097	48929	LU 1	-31397	-2262833	0.1	Si
94	19.01	7	11.4	5.4	128329	LU 12	174208	1485575	0.097						Si
111	19.01	7	11.4	5.4	160425	LU 12	182149	1485575	0.097						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
119	19.01	7	11.4	5.4	171176	LU 12	182240	1485575	0.097						Si
128	19.01	7	11.4	5.4	178395	LU 12	182240	1485575	0.097						Si
145	19.01	7	11.4	5.4	182240	LU 12	182240	1485575	0.097						Si
162	19.01	7	11.4	5.4	171960	LU 12	182240	1485575	0.097						Si
179	19.01	7	16.66	5.4	147554	LU 12	180283	2106647	0.108						Si
196	19.01	7	18.95	5.4	109023	LU 12	165906	2376742	0.114	47443	LU 1	-16668	-2262160	0.095	Si
204	19.01	7	19.01	5.4	84460	LU 12	153421	2383872	0.114	32450	LU 1	-43310	-2262086	0.094	Si
221	19.01	7	19.01	5.4	25788	LU 3	117856	2383872	0.114	-5084	LU 15	-43310	-2262086	0.094	Si
233	19.01	7	19.01	5.4	-14311	LU 3	86107	2383872	0.114	-43310	LU 15	-43310	-2262086	0.094	Si
238	19.01	7	19.01	5.4						-62827	LU 15	-60226	-2262086	0.094	Si
255	19.01	7	19.01	5.4						-137899	LU 11	-82728	-2262086	0.094	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	6876	LU 11	6876	12792	75003	0	12792	1	Si
17	0	19.01	0	6045	LU 11	6045	12792	75003	0	12792	1	Si
23	0.215	19.01	0	5776	LU 11	5776	12792	75003	24390	24390	1	Si
34	0.215	19.01	0	5214	LU 11	5214	12792	75003	24390	24390	1	Si
51	0.215	19.01	0	4383	LU 11	4383	12792	75003	24390	24390	1	Si
68	0.215	11.4	0	3552	LU 11	3552	10922	76908	25009	25009	1	Si
77	0.215	11.4	0	3137	LU 11	3137	10922	76908	25009	25009	1	Si
94	0.187	11.4	0	2306	LU 11	2306	10922	76908	21675	21675	1	Si
111	0.187	11.4	0	1475	LU 11	1475	10922	76908	21675	21675	1	Si
128	0.187	11.4	0	644	LU 11	644	10922	76908	21675	21675	1	Si
145	0.187	11.4	0	-363	LU 17	-363	-10922	-76908	-21675	-21675	1	Si
162	0.187	11.4	0	-1034	LU 18	-1034	-10922	-76908	-21675	-21675	1	Si
179	0.201	11.4	0	-1851	LU 12	-1851	-10922	-76908	-23342	-23342	1	Si
196	0.201	11.4	0	-2682	LU 12	-2682	-10922	-76908	-23342	-23342	1	Si
204	0.201	11.4	0	-3097	LU 12	-3097	-10922	-76908	-23342	-23342	1	Si
221	0.201	11.4	0	-3928	LU 12	-3928	-10922	-76908	-23342	-23342	1	Si
233	0.201	19.01	0	-4490	LU 12	-4490	-12792	-75003	-22764	-22764	1	Si
238	0	19.01	0	-4759	LU 12	-4759	-12792	-75003	0	-12792	1	Si
255	0	19.01	0	-5590	LU 12	-5590	-12792	-75003	0	-12792	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-222144	2	-165290	5	124.5	159.6	1837	-175529	2	-129307	3.9	93.4	0	+∞	Si
17	-141017	2	-137900	4.1	124.5	133.1	1837	-109657	2	-107128	3.2	93.4	0	+∞	Si
23	-117311	2	-117311	3.5	124.5	113.3	1837	-90456	2	-90456	2.7	93.4	0	+∞	Si
34	-70364	2	-117311	3.5	124.5	113.3	1837	-52485	2	-90456	2.7	93.4	0	+∞	Si
51	3793	8	68944	2.3	124.5	102.7	1837								Si
51	-10188	2	-117311	3.5	124.5	113.3	1837	-4013	2	-90456	2.7	93.4	0	+∞	Si
68	42572	9	100706	3.3	124.5	150	1837	35758	2	83343	2.7	93.4	0	+∞	Si
77	61406	9	112659	3.7	124.5	167.8	1837	52381	2	92527	3	93.4	0	+∞	Si
94	95224	3	128707	4.2	124.5	191.7	1837	79102	2	104371	3.4	93.4	0	+∞	Si
111	118710	3	134298	4.4	124.5	200	1837	97123	2	107840	3.5	93.4	0	+∞	Si
128	131721	3	134298	4.4	124.5	200	1837	106443	2	107840	3.5	93.4	0	+∞	Si
145	134256	3	134298	4.4	124.5	200	1837	107063	2	107840	3.5	93.4	0	+∞	Si
162	126315	3	134298	4.4	124.5	200	1837	98982	2	107840	3.5	93.4	0	+∞	Si
179	107899	3	132712	3.8	124.5	136.9	1837	82201	2	105350	3	93.4	0	+∞	Si
196	79008	3	121734	3.3	124.5	110.9	1837	56720	2	94746	2.6	93.4	0	+∞	Si
204	60633	3	112316	3.1	124.5	102	1837	40717	2	86182	2.3	93.4	0	+∞	Si
221	16029	3	85625	2.3	124.5	77.8	1837	2185	2	62528	1.7	93.4	0	+∞	Si
221	-3855	6	-33211	0.9	124.5	31.8	1837	-3490	1	-32531	0.9	93.4	0	+∞	Si
233	-33211	6	-33211	0.9	124.5	31.8	1837	-32531	1	-32531	0.9	93.4	0	+∞	Si
238	-48200	6	-46203	1.3	124.5	44.2	1837	-47370	1	-45390	1.2	93.4	0	+∞	Si
255	-105158	2	-63485	1.7	124.5	60.8	1837	-100980	2	-62496	1.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
34	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
51	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
68	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
77	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.002	2	0.002	2	9999	Si
94	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.002	2	9999	Si
111	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
128	0.003	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
136	0.003	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
145	0.003	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
162	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.002	2	9999	Si
179	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.002	2	0.002	2	9999	Si
196	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
204	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
221	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
233	0.001	0	0	0	0.001	0	0	0	0	0	0.001	2	0.001	2	9999	Si
238	0	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si

Campata 4 tra i fili 16 - 5, sezione R 45x70, asta 951

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	7	19.01	5.4						-180311	LU 11	-96249	-2262086	0.094	Si
23	19.01	7	19.01	5.4	8742	LU 3	195843	2383872	0.114	-32309	LU 10	-32309	-2262086	0.094	Si
45	18.93	7	17.5	5.4	158203	LU 12	320277	2205760	0.11	67836	LU 1	-32309	-2253515	0.095	Si
68	15.72	6.8	14.45	5.4	288725	LU 12	418594	1828046	0.1						Si
91	12.52	6.4	11.4	5.4	394136	LU 12	491799	1449888	0.09						Si
102	7.6	5.4	11.4	5.4	437424	LU 12	518984	1422093	0.084						Si
125	7.6	5.4	11.4	5.4	505167	LU 12	554521	1422093	0.084						Si
147	7.6	5.4	11.4	5.4	547798	LU 12	565318	1422093	0.084						Si
170	7.6	5.4	11.4	5.4	565318	LU 12	565318	1422093	0.084						Si
193	7.6	5.4	11.4	5.4	557725	LU 12	565318	1422093	0.084						Si
215	7.6	5.4	14.41	5.4	525021	LU 12	561643	1779319	0.09						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
238	13.92	5.4	15.21	5.4	467205	LU 12	536033	1872862	0.089						Si
261	17.12	5.4	15.21	5.4	384385	LU 11	485311	1872645	0.088						Si
272	18.73	5.4	15.21	5.4	333601	LU 11	450533	1872582	0.088						Si
295	17.19	5.4	15.21	5.4	213201	LU 11	362294	1872653	0.088						Si
317	13.97	5.4	14.43	5.4	90303	LU 10	248056	1781410	0.088						Si
340	7.6	5.4	12.92	5.4						-103726	LU 12	-29789	-971023	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.72	0	8537	LU 11	8537	12008	75003	0	12008	1	Si
23	0.144	12.52	0	7437	LU 11	7437	11130	75003	16260	16260	1	Si
45	0.144	11.4	0	6321	LU 11	6321	10922	76908	16673	16673	1	Si
68	0.144	11.4	0	5213	LU 11	5213	10922	76908	16673	16673	1	Si
91	0.144	11.4	0	4105	LU 11	4105	10922	76908	16673	16673	1	Si
102	0.123	11.4	0	3551	LU 11	3551	10922	76908	14306	14306	1	Si
125	0.123	11.4	0	2443	LU 11	2443	10922	76908	14306	14306	1	Si
147	0.123	11.4	0	1335	LU 11	1335	10922	76908	14306	14306	1	Si
170	0.123	11.4	0	416	LU 10	416	10922	76908	14306	14306	1	Si
193	0.123	11.4	0	-889	LU 12	-889	-10922	-76908	-14306	-14306	1	Si
215	0.123	11.4	0	-1997	LU 12	-1997	-10922	-76908	-14306	-14306	1	Si
238	0.123	11.4	0	-3105	LU 12	-3105	-10922	-76908	-14306	-14306	1	Si
261	0.158	11.4	0	-4213	LU 12	-4213	-10922	-76908	-18340	-18340	1	Si
272	0.158	13.65	0	-4766	LU 12	-4766	-11596	-76908	-18340	-18340	1	Si
295	0.158	14.43	0	-5874	LU 12	-5874	-11814	-76908	-18340	-18340	1	Si
317	0.158	14.43	0	-6990	LU 12	-6990	-11814	-76908	-18340	-18340	1	Si
340	0	13.97	0	-8090	LU 12	-8090	-11685	-76908	0	-11685	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-137561	2	-74037	2	124.5	70.9	1837	-132373	2	-74037	2	93.4	0	+∞	Si
23	-24853	1	-24853	0.7	124.5	23.8	1837	-24853	1	-24853	0.7	93.4	0	+∞	Si
45	114514	3	235472	6.6	124.5	231.6	1837	81490	2	185598	5.2	93.4	0	+∞	Si
68	211905	3	308979	9.5	124.5	365.9	1837	165221	2	249492	7.7	93.4	0	+∞	Si
91	290672	3	363862	12.6	124.5	541.7	1837	233485	2	297919	10.3	93.4	0	+∞	Si
102	323073	3	384320	14	124.5	572.2	1837	261816	2	316332	11.5	93.4	0	+∞	Si
125	373906	3	411269	14.9	124.5	612.3	1837	306879	2	341558	11.8	93.4	0	+∞	Si
147	406116	3	419702	15.2	124.5	624.9	1837	336474	2	351317	12.8	93.4	0	+∞	Si
170	419702	3	419702	15.2	124.5	624.9	1837	350603	2	351866	12.8	93.4	0	+∞	Si
193	414666	3	419702	15.2	124.5	624.9	1837	349263	2	351866	12.8	93.4	0	+∞	Si
215	391007	3	417404	13.9	124.5	496.2	1837	332457	2	350734	11.7	93.4	0	+∞	Si
238	348724	3	399006	12	124.5	447.7	1837	300183	2	338297	10.2	93.4	0	+∞	Si
261	287890	2	361984	10.5	124.5	405.1	1837	252442	2	310393	9	93.4	0	+∞	Si
272	250518	2	336489	9.6	124.5	376.2	1837	222771	2	290640	8.3	93.4	0	+∞	Si
295	161807	2	271633	7.9	124.5	304	1837	151829	2	239535	6.9	93.4	0	+∞	Si
317	69464	1	187497	5.8	124.5	221.2	1837	69464	1	172413	5.3	93.4	0	+∞	Si
340	-72010	3	-22719	0.5	124.5	7.8	1837	-36456	2	-21445	0.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
45	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
68	0.008	0.006	0.007	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.014	2	0.012	2	9999	Si
91	0.01	0.008	0.008	0.006	0.009	0.008	0.007	0.006	0.009	0.008	0.018	2	0.016	2	9999	Si
102	0.011	0.009	0.009	0.007	0.01	0.009	0.008	0.007	0.009	0.009	0.019	2	0.018	2	9999	Si
125	0.013	0.01	0.011	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.022	2	0.02	2	9999	Si
147	0.014	0.011	0.011	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.024	2	0.022	2	9999	Si
170	0.014	0.011	0.012	0.009	0.013	0.011	0.01	0.009	0.012	0.011	0.025	2	0.022	2	9999	Si
193	0.014	0.011	0.011	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.024	2	0.022	2	9999	Si
215	0.013	0.01	0.011	0.008	0.012	0.01	0.009	0.008	0.011	0.01	0.022	2	0.021	2	9999	Si
238	0.012	0.009	0.009	0.007	0.01	0.009	0.008	0.007	0.01	0.009	0.02	2	0.018	2	9999	Si
261	0.01	0.008	0.008	0.006	0.009	0.008	0.007	0.006	0.008	0.008	0.016	2	0.015	2	9999	Si
272	0.008	0.007	0.007	0.005	0.008	0.007	0.006	0.005	0.007	0.007	0.014	2	0.013	2	9999	Si
295	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.009	2	9999	Si
317	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si

Campata 5 tra i fili 5 - 5, sezione R 45x70, asta 952

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	12.92	5.4						-2912	LU 17	-166	-971023	0.078	Si
2	7.6	5.4	11.4	5.4						-2537	LU 17	-165	-970824	0.078	Si
3	7.6	5.4	11.4	5.4						-2187	LU 17	-163	-970824	0.078	Si
5	7.6	5.4	11.4	5.4						-1864	LU 17	-159	-970824	0.078	Si
6	7.6	5.4	11.4	5.4						-1566	LU 17	-153	-970824	0.078	Si
7	7.6	5.4	11.4	5.4						-1427	LU 17	-150	-970824	0.078	Si
9	7.6	5.4	11.4	5.4						-1168	LU 17	-142	-970824	0.078	Si
10	7.6	5.4	11.4	5.4						-935	LU 17	-133	-970824	0.078	Si
12	7.6	5.4	11.4	5.4						-728	LU 17	-122	-970824	0.078	Si
14	7.6	5.4	11.4	5.4						-547	LU 18	-110	-970824	0.078	Si
15	7.6	5.4	11.4	5.4						-392	LU 12	-96	-970824	0.078	Si
17	7.6	5.4	11.4	5.4						-262	LU 12	-80	-970824	0.078	Si
18	7.6	5.4	11.4	5.4						-159	LU 12	-63	-970824	0.078	Si
19	7.6	5.4	11.4	5.4						-116	LU 12	-54	-970824	0.078	Si
20	0	0	0	0						-81	LU 12	-44	0	0	Si
21	0	0	0	0						-52	LU 12	-34	0	0	Si
22	0	0	0	0						-13	LU 12	-13	0	0	Si
23	0	0	0	0						-10	LU 12	-10	0	0	Si
24	0	0	0	0						0	LU 12	-10	0	0	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	0	0	244	LU 10	244	8999	76908	0	8999	1	Si
2	0	0	0	228	LU 10	228	8999	76908	0	8999	1	Si
3	0	0	0	212	LU 10	212	8999	76908	0	8999	1	Si
5	0	0	0	195	LU 10	195	8999	76908	0	8999	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
6	0	0	0	179	LU 10	179	8999	76908	0	8999	1	Si
7	0	0	0	171	LU 10	171	8999	76908	0	8999	1	Si
9	0	0	0	155	LU 10	155	8999	76908	0	8999	1	Si
10	0	0	0	138	LU 10	138	8999	76908	0	8999	1	Si
12	0	0	0	122	LU 10	122	8999	76908	0	8999	1	Si
14	0	0	0	106	LU 10	106	8999	76908	0	8999	1	Si
15	0	0	0	90	LU 10	90	8999	76908	0	8999	1	Si
17	0	0	0	73	LU 10	73	8999	76908	0	8999	1	Si
18	0	0	0	57	LU 10	57	8999	76908	0	8999	1	Si
19	0	0	0	49	LU 10	49	8999	76908	0	8999	1	Si
21	0	0	0	33	LU 10	33	9547	83337	0	9547	1	Si
22	0	0	0	16	LU 10	16	9547	83337	0	9547	1	Si
23	0.743	0	0	14	LU 10	14	9547	83337	93488	83337	1	Si
24	0.743	0	0	0	Ger.	0	-9547	-83337	-93488	-83337	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-2240	8	-128	0	124.5	0	1837	-2240	1	-128	0	93.4	0	+∞	Si
2	-1952	8	-127	0	124.5	0	1837	-1952	1	-127	0	93.4	0	+∞	Si
3	-1683	8	-125	0	124.5	0	1837	-1683	1	-125	0	93.4	0	+∞	Si
5	-1434	8	-122	0	124.5	0	1837	-1434	1	-122	0	93.4	0	+∞	Si
6	-1205	8	-118	0	124.5	0	1837	-1205	1	-118	0	93.4	0	+∞	Si
7	-1098	8	-115	0	124.5	0	1837	-1098	1	-115	0	93.4	0	+∞	Si
9	-899	8	-109	0	124.5	0	1837	-899	1	-109	0	93.4	0	+∞	Si
10	-719	8	-102	0	124.5	0	1837	-719	1	-102	0	93.4	0	+∞	Si
12	-560	8	-94	0	124.5	0	1837	-560	1	-94	0	93.4	0	+∞	Si
14	-421	9	-84	0	124.5	0	1837	-421	2	-84	0	93.4	0	+∞	Si
15	-301	3	-74	0	124.5	0	1837	-301	2	-74	0	93.4	0	+∞	Si
17	-202	3	-62	0	124.5	0	1837	-202	2	-62	0	93.4	0	+∞	Si
18	-122	3	-48	0	124.5	0	1837	-122	2	-48	0	93.4	0	+∞	Si
19	-90	3	-41	0	124.5	0	1837	-90	2	-41	0	93.4	0	+∞	Si
21	-40	3	-26	0	0	0	1837	-40	2	-26	0	0	0	+∞	Si
22	-10	3	-10	0	0	0	1837	-10	2	-10	0	0	0	+∞	Si
23	-8	3	-8	0	0	0	1837	-8	2	-8	0	0	0	+∞	Si
24	0	3	-8	0	0	0	1837	0	2	-8	0	0	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
2	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
3	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
5	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
6	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	1	-0.001	1	9999	Si
7	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	1	-0.002	1	9999	Si
9	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.002	1	-0.002	1	9999	Si
10	-0.002	-0.003	-0.001	-0.001	-0.002	-0.003	-0.001	-0.001	-0.002	-0.002	-0.002	1	-0.002	1	9999	Si
12	-0.003	-0.003	-0.001	-0.001	-0.003	-0.003	-0.001	-0.001	-0.003	-0.003	-0.002	1	-0.003	1	9999	Si
14	-0.003	-0.004	-0.001	-0.001	-0.003	-0.003	-0.001	-0.001	-0.003	-0.003	-0.003	1	-0.003	1	9999	Si
15	-0.003	-0.004	-0.001	-0.002	-0.003	-0.004	-0.001	-0.001	-0.003	-0.004	-0.003	1	-0.003	1	9999	Si
17	-0.004	-0.005	-0.001	-0.002	-0.004	-0.004	-0.001	-0.002	-0.004	-0.004	-0.003	1	-0.004	1	9999	Si
18	-0.004	-0.005	-0.002	-0.002	-0.004	-0.005	-0.002	-0.002	-0.004	-0.004	-0.004	1	-0.004	1	9999	Si
19	-0.004	-0.005	-0.002	-0.002	-0.004	-0.005	-0.002	-0.002	-0.004	-0.005	-0.004	1	-0.004	1	9999	Si
21	-0.005	-0.006	-0.002	-0.002	-0.005	-0.005	-0.002	-0.002	-0.005	-0.005	-0.004	1	-0.005	1	9587	Si
22	-0.005	-0.006	-0.002	-0.002	-0.005	-0.006	-0.002	-0.002	-0.005	-0.005	-0.005	1	-0.005	1	8901	Si
23	-0.005	-0.006	-0.002	-0.002	-0.005	-0.006	-0.002	-0.002	-0.005	-0.005	-0.005	1	-0.005	1	8807	Si
24	-0.005	-0.007	-0.002	-0.002	-0.005	-0.006	-0.002	-0.002	-0.005	-0.006	-0.005	1	-0.005	1	8307	Si

Trave a "Piano 1" 40-6

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 40 - 17, sezione R 45x70, asta 946

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-691316	LU 12	-490992	-2323557	0.097	Si
28	19.01	5.4	11.4	5.4	-158776	LU 1	65235	1422107	0.084	-306638	LU 12	-306638	-2323557	0.097	Si
47	19.01	5.4	11.4	5.4	-14345	LU 1	295560	1422107	0.084	-48133	LU 12	-306638	-2323557	0.097	Si
95	14.53	5.4	11.4	5.4	492883	LU 11	768605	1422107	0.084						Si
142	7.6	5.4	11.4	5.4	925330	LU 11	1136440	1422093	0.084						Si
189	7.6	5.4	11.4	5.4	1252567	LU 11	1399066	1422093	0.084						Si
213	7.6	5.4	11.4	5.4	1376731	LU 11	1490926	1422093	0.084						No
260	7.6	5.4	11.4	5.4	1546154	LU 11	1595737	1422093	0.084						No
284	7.6	5.4	11.4	5.4	1591411	LU 11	1610366	1422093	0.084						No
308	7.6	5.4	11.4	5.4	1610366	LU 11	1610366	1422093	0.084						No
355	7.6	5.4	11.4	5.4	1569370	LU 11	1604696	1422093	0.084						No
402	7.6	5.4	11.4	5.4	1423163	LU 11	1523100	1422093	0.084						No
450	7.6	5.4	11.4	5.4	1171747	LU 11	1336295	1422093	0.084						Si
497	7.6	5.4	11.4	5.4	815121	LU 11	1044280	1422093	0.084						Si
544	18.37	5.4	11.4	5.4	353286	LU 11	647056	1422107	0.084	179423	LU 4	-16765	-2247578	0.096	Si
568	23.94	5.4	11.4	5.4	83046	LU 12	408990	1422107	0.084	25606	LU 1	-287471	-2907357	0.108	Si
615	26.61	5.4	11.4	5.4						-536735	LU 11	-971732	-3221991	0.114	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
663	26.61	5.4	11.4	5.4						-1261594	LU 11	-1684611	-3221991	0.114	Si
688	26.61	5.4	11.4	5.4						-1684611	LU 11	-1684611	-3221991	0.114	Si
710	26.61	5.4	11.4	5.4						-2091663	LU 11	-1882503	-3221991	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.88	0	14697	LU 12	14697	12688	76908	0	12688	1	Si
28	0.158	14.53	0	13408	LU 12	13408	11841	76908	18340	18340	1	Si
47	0.158	7.6	0	12476	LU 12	12476	9541	76908	18340	18340	1	Si
95	0.158	11.4	0	10254	LU 12	10254	10922	76908	18340	18340	1	Si
142	0.153	11.4	0	8031	LU 12	8031	10922	76908	17729	17729	1	Si
189	0.153	11.4	0	5808	LU 12	5808	10922	76908	17729	17729	1	Si
213	0.153	11.4	0	4697	LU 12	4697	10922	76908	17729	17729	1	Si
260	0.153	11.4	0	2475	LU 12	2475	10922	76908	17729	17729	1	Si
308	0.153	11.4	0	252	LU 12	252	10922	76908	17729	17729	1	Si
355	0.153	11.4	0	-1977	LU 11	-1977	-10922	-76908	-17729	-17729	1	Si
402	0.153	11.4	0	-4200	LU 11	-4200	-10922	-76908	-17729	-17729	1	Si
450	0.153	11.4	0	-6423	LU 11	-6423	-10922	-76908	-17729	-17729	1	Si
497	0.153	11.4	0	-8645	LU 11	-8645	-10922	-76908	-17729	-17729	1	Si
544	0.153	11.4	0	-10868	LU 11	-10868	-10922	-76908	-17729	-17729	1	Si
568	0.153	11.4	0	-11979	LU 11	-11979	-10922	-76908	-17729	-17729	1	Si
615	0.153	18.37	0	-14202	LU 11	-14202	-12802	-76908	-17729	-17729	1	Si
663	0.187	26.61	0	-16424	LU 11	-16424	-14486	-76908	-21675	-21675	1	Si
688	0.187	26.61	0	-17590	LU 11	-17590	-14486	-76908	-21675	-21675	1	Si
710	0	26.61	0	-18647	LU 11	-18647	-14486	-76908	0	-14486	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-510722	3	-362236	10.5	124.5	328.8	1837	-414165	2	-291216	8.4	93.4	0	+∞	Si
28	-225596	3	-225596	6.5	124.5	204.7	1837	-178123	2	-178123	5.1	93.4	0	+∞	Si
47	-34002	3	-225596	6.5	124.5	204.7	1837	-19570	2	-178123	5.1	93.4	0	+∞	Si
95	366700	2	571000	18.9	124.5	845.8	1837	310094	2	478934	15.9	93.4	0	+∞	Si
142	687114	2	843484	30.6	124.5	1255.9	1837	574827	2	703792	25.6	93.4	0	+∞	Si
189	929480	2	1037919	37.7	124.5	1545.4	1837	774629	2	863719	31.4	93.4	0	+∞	Si
213	1021395	2	1105869	40.1	124.5	1646.5	1837	850181	2	919334	33.4	93.4	0	+∞	Si
260	1146689	2	1183233	43	124.5	1761.7	1837	952587	2	981864	35.6	93.4	0	+∞	Si
308	1193936	2	1193936	43.3	124.5	1777.7	1837	990061	2	990061	35.9	93.4	0	+∞	Si
355	1163135	2	1189580	43.2	124.5	1771.2	1837	962605	2	985730	35.8	93.4	0	+∞	Si
402	1054286	2	1128661	41	124.5	1680.5	1837	870218	2	933218	33.9	93.4	0	+∞	Si
450	867390	2	989695	35.9	124.5	1473.6	1837	712900	2	815775	29.6	93.4	0	+∞	Si
497	602446	2	772681	28.1	124.5	1150.4	1837	490651	2	633401	23	93.4	0	+∞	Si
544	259454	2	477620	15.1	124.5	706.1	1837	203471	2	386096	12.2	93.4	0	+∞	Si
568	58778	3	300822	8.9	124.5	443.8	1837	35532	2	238095	7.1	93.4	0	+∞	Si
615	-401372	2	-724305	18.8	124.5	476.7	1837	-349045	2	-618830	16.1	93.4	0	+∞	Si
663	-939483	2	-1253494	32.6	124.5	825	1837	-798552	2	-1060752	27.6	93.4	0	+∞	Si
688	-1253494	2	-1253494	32.6	124.5	825	1837	-1060752	2	-1060752	27.6	93.4	0	+∞	Si
710	-1555642	2	-1400388	36.4	124.5	921.6	1837	-1312991	2	-1183394	30.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
189	inferiore	54.5	0.00045	0.0245	2	54.5	0.0004	0.0216	2	54.5	0.00037	0.0204	2	Si
213	inferiore	54.5	0.00048	0.0261	2	54.5	0.00042	0.023	2	54.5	0.0004	0.0217	2	Si
260	inferiore	54.5	0.00051	0.0279	2	54.5	0.00045	0.0246	2	54.5	0.00043	0.0232	2	Si
284	inferiore	54.5	0.00052	0.0282	2	54.5	0.00046	0.0249	2	54.5	0.00043	0.0234	2	Si
308	inferiore	54.5	0.00052	0.0282	2	54.5	0.00046	0.0249	2	54.5	0.00043	0.0234	2	Si
355	inferiore	54.5	0.00052	0.0281	2	54.5	0.00045	0.0247	2	54.5	0.00043	0.0233	2	Si
402	inferiore	54.5	0.00049	0.0267	2	54.5	0.00043	0.0234	2	54.5	0.0004	0.022	2	Si
663	superiore	31.7	0.00024	0.0076	2	31.7	0.00021	0.0068	2	31.7	0.0002	0.0064	2	Si
688	superiore	31.7	0.00024	0.0076	2	31.7	0.00021	0.0068	2	31.7	0.0002	0.0064	2	Si
710	superiore	31.7	0.00027	0.0085	2	31.7	0.00024	0.0076	2	31.7	0.00023	0.0072	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
28	0.017	0.013	0.017	0.011	0.015	0.013	0.013	0.011	0.014	0.013	0.032	2	0.029	2	9999	Si
47	0.029	0.022	0.029	0.02	0.026	0.022	0.023	0.02	0.024	0.022	0.055	2	0.051	2	9999	Si
95	0.059	0.045	0.059	0.039	0.052	0.045	0.046	0.039	0.049	0.045	0.111	2	0.101	2	6386	Si
142	0.087	0.065	0.086	0.057	0.076	0.066	0.068	0.058	0.072	0.066	0.163	2	0.148	2	4361	Si
189	0.11	0.083	0.11	0.073	0.097	0.083	0.086	0.073	0.091	0.083	0.206	2	0.188	2	3439	Si
213	0.12	0.09	0.12	0.079	0.105	0.09	0.094	0.079	0.099	0.09	0.224	2	0.204	2	3165	Si
260	0.134	0.1	0.135	0.088	0.117	0.101	0.105	0.089	0.111	0.101	0.251	2	0.228	2	2831	Si
308	0.141	0.106	0.143	0.093	0.123	0.106	0.111	0.093	0.116	0.106	0.264	2	0.24	2	2690	Si
331	0.142	0.106	0.143	0.093	0.124	0.106	0.111	0.094	0.117	0.107	0.265	2	0.241	2	2676	Si
355	0.141	0.105	0.142	0.093	0.123	0.106	0.11	0.093	0.116	0.106	0.263	2	0.239	2	2698	Si
402	0.133	0.1	0.133	0.087	0.117	0.1	0.104	0.088	0.11	0.1	0.249	2	0.226	2	2854	Si
450	0.119	0.089	0.118	0.078	0.104	0.089	0.093	0.078	0.098	0.089	0.222	2	0.202	2	3195	Si
497	0.1	0.074	0.099	0.065	0.087	0.074	0.077	0.065	0.082	0.075	0.186	2	0.169	2	3825	Si
544	0.077	0.057	0.076	0.05	0.067	0.057	0.059	0.05	0.063	0.057	0.142	2	0.129	2	4993	Si
568	0.064	0.048	0.064	0.041	0.056	0.048	0.049	0.042	0.053	0.048	0.119	2	0.108	2	5956	Si
615	0.04	0.029	0.039	0.025	0.034	0.029	0.03	0.025	0.032	0.029	0.073	2	0.067	2	9665	Si
663	0.017	0.012	0.017	0.011	0.015	0.012	0.013	0.011	0.014	0.012	0.032	2	0.029	2	9999	Si
688	0.007	0.005	0.007	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.014	2	0.012	2	9999	Si

Campata 2 tra i fili 17 - 6, sezione R 45x70, asta 947

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	11.4	5.4						-1222364	LU 11	-1106913	-3221991	0.114	Si
23	26.61	5.4	11.4	5.4						-1003303	LU 11	-1003303	-3221991	0.114	Si
45	26.61	5.4	11.4	5.4						-805209	LU 11	-1003303	-3221991	0.114	Si
68	26.61	5.4	11.4	5.4						-632817	LU 11	-859021	-3221991	0.114	Si
91	26.61	5.4	11.4	5.4	-263784	LU 8	74189	1422107	0.084	-484548	LU 11	-679814	-3221991	0.114	Si
102	26.61	5.4	11.4	5.4	-227267	LU 8	132990	1422107	0.084	-419460	LU 11	-599257	-3221991	0.114	Si
125	26.61	5.4	11.4	5.4	-164431	LU 8	223453	1422107	0.084	-307376	LU 11	-456235	-3221991	0.114	Si
147	26.61	5.4	11.4	5.4	-115194	LU 8	277730	1422107	0.084	-219416	LU 11	-337336	-3221991	0.114	Si
170	26.61	5.4	11.4	5.4	-79557	LU 8	295823	1422107	0.084	-155580	LU 11	-242561	-3221991	0.114	Si
193	26.61	5.4	11.4	5.4	-57518	LU 8	277730	1422107	0.084	-115866	LU 11	-171910	-3221991	0.114	Si
215	26.61	5.4	11.4	5.4	-49078	LU 8	223453	1422107	0.084	-100277	LU 11	-125382	-3221991	0.114	Si
238	26.61	5.4	11.4	5.4	-52365	LU 1	132990	1422107	0.084	-109452	LU 12	-157477	-3221991	0.114	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
261	26.61	5.4	11.4	5.4	-68384	LU 1	6341	1422107	0.084	-142913	LU 12	-221877	-3221991	0.114	Si
272	26.61	5.4	11.4	5.4						-168690	LU 12	-263123	-3221991	0.114	Si
295	26.61	5.4	11.4	5.4						-238337	LU 12	-332929	-3221991	0.114	Si
317	26.61	5.4	11.4	5.4						-332929	LU 12	-332929	-3221991	0.114	Si
340	26.61	5.4	11.4	5.4						-450000	LU 12	-385544	-3221991	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	10266	LU 11	10266	14486	76908	0	14486	1	Si
23	0.215	26.61	0	9210	LU 11	9210	14486	76908	25009	25009	1	Si
45	0.215	26.61	0	8138	LU 11	8138	14486	76908	25009	25009	1	Si
68	0.215	26.61	0	7073	LU 11	7073	14486	76908	25009	25009	1	Si
91	0.215	26.61	0	6009	LU 11	6009	14486	76908	25009	25009	1	Si
102	0.182	26.61	0	5477	LU 11	5477	14486	76908	21083	21083	1	Si
125	0.182	26.61	0	4413	LU 11	4413	14486	76908	21083	21083	1	Si
147	0.182	26.61	0	3348	LU 11	3348	14486	76908	21083	21083	1	Si
170	0.182	26.61	0	2284	LU 11	2284	14486	76908	21083	21083	1	Si
193	0.182	26.61	0	1220	LU 11	1220	14486	76908	21083	21083	1	Si
215	0.182	26.61	0	251	LU 10	251	14486	76908	21083	21083	1	Si
238	0.182	26.61	0	-944	LU 12	-944	-14486	-76908	-21083	-21083	1	Si
261	0.187	26.61	0	-2008	LU 12	-2008	-14486	-76908	-21675	-21675	1	Si
272	0.187	26.61	0	-2541	LU 12	-2541	-14486	-76908	-21675	-21675	1	Si
295	0.187	26.61	0	-3605	LU 12	-3605	-14486	-76908	-21675	-21675	1	Si
317	0.187	26.61	0	-4677	LU 12	-4677	-14486	-76908	-21675	-21675	1	Si
340	0	26.61	0	-5733	LU 12	-5733	-14486	-76908	0	-14486	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-908938	2	-823134	21.4	124.5	541.7	1837	-766329	2	-694199	18.1	93.4	0	+∞	Si
23	-746115	2	-746115	19.4	124.5	491	1837	-629377	2	-629377	16.4	93.4	0	+∞	Si
45	-598842	2	-746115	19.4	124.5	491	1837	-505340	2	-629377	16.4	93.4	0	+∞	Si
68	-470637	2	-638851	16.6	124.5	420.5	1837	-397177	2	-539050	14	93.4	0	+∞	Si
91	-360328	2	-505591	13.1	124.5	332.7	1837	-303902	2	-426681	11.1	93.4	0	+∞	Si
102	-311884	2	-445672	11.6	124.5	293.3	1837	-262848	2	-376080	9.8	93.4	0	+∞	Si
125	-228418	2	-339255	8.8	124.5	223.3	1837	-191905	2	-286044	7.4	93.4	0	+∞	Si
147	-162848	2	-250734	6.5	124.5	165	1837	-135851	2	-210895	5.5	93.4	0	+∞	Si
170	-115173	2	-180108	4.7	124.5	118.5	1837	-94684	2	-150635	3.9	93.4	0	+∞	Si
193	-85394	2	-127378	3.3	124.5	83.8	1837	-68406	2	-105262	2.7	93.4	0	+∞	Si
215	-73511	2	-92543	1.8	124.5	60.9	1837	-57015	2	-74778	1.9	93.4	0	+∞	Si
238	-79950	3	-115090	3	124.5	75.7	1837	-60512	2	-87246	2.3	93.4	0	+∞	Si
261	-104393	3	-162485	4.2	124.5	106.9	1837	-78898	2	-124725	3.2	93.4	0	+∞	Si
272	-123326	3	-192893	5	124.5	126.9	1837	-93673	2	-149048	3.9	93.4	0	+∞	Si
295	-174612	3	-244402	6.4	124.5	160.9	1837	-134391	2	-190487	5	93.4	0	+∞	Si
317	-244402	3	-244402	6.4	124.5	160.9	1837	-190487	2	-190487	5	93.4	0	+∞	Si
340	-330872	3	-283245	7.4	124.5	186.4	1837	-260489	2	-221834	5.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	1	-0.005	1	9999	Si
45	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.008	1	-0.009	1	9999	Si
68	-0.005	-0.006	-0.004	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
91	-0.005	-0.007	-0.005	-0.007	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.012	1	-0.013	1	9999	Si
102	-0.005	-0.007	-0.005	-0.007	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.012	1	-0.013	1	9999	Si
125	-0.005	-0.007	-0.005	-0.007	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.012	1	-0.014	1	9999	Si
147	-0.005	-0.007	-0.005	-0.007	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.012	1	-0.013	1	9999	Si
170	-0.005	-0.006	-0.005	-0.007	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.011	1	-0.013	1	9999	Si
193	-0.004	-0.006	-0.004	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.01	1	-0.012	1	9999	Si
215	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
238	-0.003	-0.005	-0.003	-0.005	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.008	1	-0.009	1	9999	Si
261	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.008	1	9999	Si
272	-0.002	-0.003	-0.003	-0.004	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.006	1	-0.007	1	9999	Si
295	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
317	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si

Trave a "Piano 1" 41-7

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 41 - 18, sezione R 45x70, asta 944

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-507258	LU 12	-318776	-2323557	0.097	Si
28	19.01	5.4	11.4	5.4	-44044	LU 1	200607	1422107	0.084	-146264	LU 12	-146264	-2323557	0.097	Si
47	19.01	5.4	11.4	5.4	114828	LU 10	413867	1422107	0.084	66477	LU 9	-146264	-2323557	0.097	Si
95	14.06	5.4	11.4	5.4	595477	LU 11	846196	1422107	0.084						Si
142	7.6	5.4	11.4	5.4	987208	LU 11	1173318	1422093	0.084						Si
189	7.6	5.4	11.4	5.4	1273732	LU 11	1395231	1422093	0.084						Si
213	7.6	5.4	11.4	5.4	1377541	LU 11	1466734	1422093	0.084						No
260	7.6	5.4	11.4	5.4	1506252	LU 11	1531155	1422093	0.084						No
308	7.6	5.4	11.4	5.4	1529755	LU 11	1531155	1422093	0.084						No
355	7.6	5.4	11.4	5.4	1448051	LU 11	1508376	1422093	0.084						No

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
402	7.6	5.4	11.4	5.4	1261138	LU 11	1386074	1422093	0.084						Si
450	7.6	5.4	11.4	5.4	969017	LU 11	1158564	1422093	0.084						Si
497	7.6	5.4	11.4	5.4	571689	LU 11	825845	1422093	0.084						Si
544	7.6	5.4	11.4	5.4	75120	LU 2	387919	1422093	0.084	-27100	LU 13	-299826	-970824	0.078	Si
568	7.6	5.4	11.4	5.4	-165126	LU 2	129503	1422093	0.084	-245565	LU 13	-617280	-970824	0.078	Si
615	14.06	5.4	11.4	5.4						-882143	LU 12	-1341975	-1737249	0.088	Si
663	19.01	5.4	11.4	5.4						-1647475	LU 11	-2091842	-2323557	0.097	Si
688	19.01	5.4	11.4	5.4						-2091842	LU 11	-2091842	-2323557	0.097	Si
710	19.01	5.4	11.4	5.4						-2518240	LU 11	-2299407	-2323557	0.097	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.41	0	13836	LU 12	13836	12575	76908	0	12575	1	Si
28	0.144	14.06	0	12546	LU 12	12546	11711	76908	16673	16673	1	Si
47	0.144	11.4	0	11615	LU 12	11615	10922	76908	16673	16673	1	Si
95	0.144	11.4	0	9392	LU 12	9392	10922	76908	16673	16673	1	Si
142	0.157	11.4	0	7170	LU 12	7170	10922	76908	18178	18178	1	Si
189	0.157	11.4	0	4947	LU 12	4947	10922	76908	18178	18178	1	Si
213	0.157	11.4	0	3836	LU 12	3836	10922	76908	18178	18178	1	Si
260	0.157	11.4	0	1613	LU 12	1613	10922	76908	18178	18178	1	Si
308	0.157	11.4	0	-690	LU 10	-690	-10922	-76908	-18178	-18178	1	Si
355	0.157	11.4	0	-2837	LU 11	-2837	-10922	-76908	-18178	-18178	1	Si
402	0.157	11.4	0	-5060	LU 11	-5060	-10922	-76908	-18178	-18178	1	Si
450	0.157	11.4	0	-7282	LU 11	-7282	-10922	-76908	-18178	-18178	1	Si
497	0.157	11.4	0	-9505	LU 11	-9505	-10922	-76908	-18178	-18178	1	Si
544	0.157	11.4	0	-11728	LU 11	-11728	-10922	-76908	-18178	-18178	1	Si
568	0.157	7.6	0	-12839	LU 11	-12839	-9541	-76908	-18178	-18178	1	Si
615	0.157	7.6	0	-15062	LU 11	-15062	-9541	-76908	-18178	-18178	1	Si
663	0.201	7.6	0	-17284	LU 11	-17284	-9541	-76908	-23342	-23342	1	Si
688	0.201	14.06	0	-18450	LU 11	-18450	-11711	-76908	-23342	-23342	1	Si
710	0	17.41	0	-19507	LU 11	-19507	-12575	-76908	0	-12575	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-370491	3	-231013	6.7	124.5	209.7	1837	-280089	2	-165690	4.8	93.4	0	+∞	Si
28	-103382	3	-103382	3	124.5	93.8	1837	-61146	2	-61146	1.8	93.4	0	+∞	Si
47	88329	1	310675	9.7	124.5	459.2	1837	88329	1	275712	8.6	93.4	0	+∞	Si
95	444950	2	630226	21	124.5	933.8	1837	385302	2	536068	17.9	93.4	0	+∞	Si
142	734384	2	871731	31.6	124.5	1297.9	1837	620602	2	731494	26.6	93.4	0	+∞	Si
189	945772	2	1035189	37.6	124.5	1541.3	1837	790973	2	861990	31.3	93.4	0	+∞	Si
213	1022198	2	1087650	39.5	124.5	1619.4	1837	851809	2	902889	32.8	93.4	0	+∞	Si
260	1116517	2	1134408	41.2	124.5	1689	1837	924785	2	936924	34	93.4	0	+∞	Si
308	1132788	2	1134408	41.2	124.5	1689	1837	932831	2	936924	34	93.4	0	+∞	Si
355	1071013	2	1116480	40.5	124.5	1662.3	1837	875947	2	917144	33.3	93.4	0	+∞	Si
402	931192	2	1024588	37.2	124.5	1525.5	1837	754132	2	835205	30.3	93.4	0	+∞	Si
450	713324	2	854650	31	124.5	1272.5	1837	567388	2	688335	25	93.4	0	+∞	Si
497	417410	2	606666	22	124.5	903.3	1837	315714	2	476536	17.3	93.4	0	+∞	Si
544	43449	2	280635	10.2	124.5	417.8	1837								Si
544	-20719	4	-230541	5.2	124.5	79.9	1837	-19893	1	-229931	9.2	93.4	0	+∞	Si
568	-188796	4	-467039	10.5	124.5	162	1837	-188145	1	-431522	17.3	93.4	0	+∞	Si
615	-663979	3	-1005824	32.2	124.5	1219.7	1837	-597540	2	-885396	28.3	93.4	0	+∞	Si
663	-1232907	2	-1563162	45.2	124.5	1418.7	1837	-1076469	2	-1354103	39.1	93.4	0	+∞	Si
688	-1563162	2	-1563162	45.2	124.5	1418.7	1837	-1354103	2	-1354103	39.1	93.4	0	+∞	Si
710	-1880030	2	-1717417	49.6	124.5	1558.7	1837	-1620328	2	-1483739	42.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
189	inferiore	54.5	0.00045	0.0245	2	54.5	0.0004	0.0215	2	54.5	0.00037	0.0204	2	Si
213	inferiore	54.5	0.00047	0.0257	2	54.5	0.00041	0.0226	2	54.5	0.00039	0.0213	2	Si
260	inferiore	54.5	0.00049	0.0268	2	54.5	0.00043	0.0235	2	54.5	0.00041	0.0221	2	Si
308	inferiore	54.5	0.00049	0.0268	2	54.5	0.00043	0.0235	2	54.5	0.00041	0.0221	2	Si
355	inferiore	54.5	0.00048	0.0264	2	54.5	0.00042	0.023	2	54.5	0.0004	0.0217	2	Si
402	inferiore	54.5	0.00044	0.0242	2	54.5	0.00039	0.021	2	54.5	0.00036	0.0197	2	Si
663	superiore	38.5	0.00041	0.0159	2	38.5	0.00042	0.016	2	38.5	0.00039	0.015	2	Si
688	superiore	38.5	0.00041	0.0159	2	38.5	0.00042	0.016	2	38.5	0.00039	0.015	2	Si
710	superiore	38.5	0.00045	0.0175	2	38.5	0.00048	0.0184	2	38.5	0.00045	0.0172	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
28	0.016	0.012	0.015	0.011	0.014	0.012	0.013	0.011	0.013	0.012	0.031	2	0.028	2	9999	Si
47	0.028	0.021	0.027	0.019	0.025	0.021	0.022	0.019	0.023	0.021	0.053	2	0.048	2	9999	Si
95	0.057	0.042	0.053	0.037	0.049	0.042	0.043	0.037	0.047	0.042	0.105	2	0.095	2	6790	Si
142	0.082	0.061	0.077	0.053	0.072	0.061	0.063	0.053	0.067	0.061	0.151	2	0.137	2	4695	Si
189	0.103	0.076	0.097	0.066	0.089	0.076	0.078	0.067	0.084	0.076	0.189	2	0.172	2	3752	Si
213	0.111	0.082	0.105	0.072	0.097	0.082	0.084	0.072	0.091	0.082	0.204	2	0.185	2	3478	Si
260	0.123	0.09	0.116	0.079	0.107	0.09	0.093	0.079	0.1	0.091	0.225	2	0.203	2	3157	Si
308	0.127	0.093	0.121	0.081	0.11	0.093	0.096	0.082	0.104	0.094	0.233	2	0.21	2	3053	Si
355	0.125	0.091	0.118	0.079	0.108	0.091	0.094	0.079	0.101	0.091	0.227	2	0.205	2	3126	Si
402	0.116	0.084	0.109	0.073	0.1	0.084	0.087	0.073	0.094	0.084	0.209	2	0.188	2	3390	Si
450	0.102	0.073	0.094	0.063	0.087	0.073	0.075	0.063	0.081	0.073	0.181	2	0.162	2	3921	Si
497	0.082	0.058	0.076	0.05	0.07	0.058	0.06	0.05	0.066	0.058	0.145	2	0.129	2	4902	Si
544	0.061	0.042	0.055	0.035	0.051	0.042	0.043	0.036	0.048	0.042	0.104	2	0.092	2	6814	Si
568	0.049	0.034	0.044	0.028	0.042	0.034	0.035	0.028	0.039	0.034	0.084	2	0.074	2	8492	Si
615	0.028	0.018	0.024	0.015	0.023	0.018	0.019	0.015	0.021	0.018	0.045	2	0.039	2	9999	Si
663	0.01	0.006	0.008	0.005	0.008	0.006	0.006	0.005	0.007	0.006	0.015	2	0.012	2	9999	Si
688	0.004	0.002	0.002	0.001	0.003	0.002	0.002	0.001	0.003	0.002	0.004	2	0.003	2	9999	Si

Campata 2 tra i fili 18 - 7, sezione R 45x70, asta 945

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-1920946	LU 11	-1769049	-2323557	0.097	Si
23	19.01	5.4	11.4	5.4						-1628994	LU 11	-1628994	-2323557	0.097	Si
45	18.93	5.4	11.4	5.4						-1356929	LU 11	-1628994	-2314368	0.097	Si
68	15.72	5.4	11.4	5.4						-1111105	LU 11	-1431485	-1934606	0.091	Si
91	12.52	5.4	11.4	5.4	-557817	LU 8	74189	1422094	0.084	-889405	LU 11	-1178847	-1554423	0.085	Si
102	7.6	5.4	11.4	5.4	-496651	LU 8	132990	1422093	0.084	-787602	LU 11	-1061574	-970824	0.078	No
125	7.6	5.4	11.4	5.4	-384519	LU 8	223453	1422093	0.084	-602087	LU 11	-845121	-970824	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
147	7.6	5.4	11.4	5.4	-285986	LU 8	277730	1422093	0.084	-440696	LU 11	-652791	-970824	0.078	Si
170	7.6	5.4	11.4	5.4	-201052	LU 8	295823	1422093	0.084	-303428	LU 11	-484585	-970824	0.078	Si
193	7.6	5.4	11.4	5.4	-129499	LU 4	277730	1422093	0.084	-190283	LU 11	-340502	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	-70152	LU 1	223453	1422093	0.084	-101683	LU 12	-220543	-970824	0.078	Si
238	7.6	5.4	11.4	5.4	-24292	LU 1	132990	1422093	0.084	-38481	LU 18	-124993	-970824	0.078	Si
249	9.24	5.4	11.4	5.4	-6461	LU 1	74189	1422093	0.084	-16007	LU 18	-86360	-1165407	0.08	Si
272	10.31	5.4	11.4	5.4	24701	LU 10	40733	1422094	0.084	6598	LU 9	-28705	-1292229	0.082	Si
295	11.38	5.4	11.4	5.4	40122	LU 10	41203	1422094	0.084	8990	LU 3	-10755	-1419031	0.083	Si
317	11.4	5.4	11.4	5.4	37751	LU 10	41203	1422094	0.084	-10755	LU 3	-10755	-1422094	0.084	Si
340	11.4	5.4	11.4	5.4	17928	LU 10	17928	1422094	0.084	-50036	LU 3	-25476	-1422094	0.084	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.72	0	13506	LU 11	13506	12156	76908	0	12156	1	Si
23	0.158	12.52	0	12449	LU 11	12449	11267	76908	18340	18340	1	Si
45	0.158	7.6	0	11377	LU 11	11377	9541	76908	18340	18340	1	Si
68	0.158	7.6	0	10313	LU 11	10313	9541	76908	18340	18340	1	Si
91	0.158	7.6	0	9249	LU 11	9249	9541	76908	18340	18340	1	Si
102	0.13	7.6	0	8717	LU 11	8717	9541	76908	15059	15059	1	Si
125	0.13	7.6	0	7652	LU 11	7652	9541	76908	15059	15059	1	Si
147	0.13	7.6	0	6588	LU 11	6588	9541	76908	15059	15059	1	Si
170	0.13	7.6	0	5524	LU 11	5524	9541	76908	15059	15059	1	Si
193	0.13	7.6	0	4460	LU 11	4460	9541	76908	15059	15059	1	Si
215	0.13	7.6	0	3395	LU 11	3395	9541	76908	15059	15059	1	Si
238	0.13	7.6	0	2331	LU 11	2331	9541	76908	15059	15059	1	Si
249	0.072	7.6	0	1850	LU 10	1850	9541	76908	8336	9541	1	Si
272	0.072	11.4	0	1070	LU 10	1070	10922	76908	8336	10922	1	Si
295	0.072	11.4	0	290	LU 10	290	10922	76908	8336	10922	1	Si
295	0.072	11.4	0	-418	LU 3	-418	-10922	-76908	-8336	-10922	1	Si
317	0.072	9.24	0	-1423	LU 12	-1423	-10182	-76908	-8336	-10182	1	Si
340	0	10.31	0	-2479	LU 12	-2479	-10561	-76908	0	-10561	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1438508	2	-1325212	38.3	124.5	1202.7	1837	-1260407	2	-1163255	33.6	93.4	0	+∞	Si
23	-1220701	2	-1220701	35.3	124.5	1107.9	1837	-1073412	2	-1073412	31	93.4	0	+∞	Si
45	-1017629	2	-1220701	35.3	124.5	1112.2	1837	-898590	2	-1073412	31.1	93.4	0	+∞	Si
68	-834033	2	-1073287	33	124.5	1168.6	1837	-740014	2	-946543	29.1	93.4	0	+∞	Si
91	-668333	2	-884635	29.5	124.5	1199.9	1837	-596326	2	-783761	26.1	93.4	0	+∞	Si
102	-592193	2	-797020	17.9	124.5	276.4	1837	-530065	2	-707953	28.4	93.4	0	+∞	Si
125	-453336	2	-635212	14.3	124.5	220.3	1837	-408709	2	-567503	22.8	93.4	0	+∞	Si
147	-332374	2	-491299	11	124.5	170.4	1837	-302241	2	-441941	17.7	93.4	0	+∞	Si
170	-229308	2	-365282	8.2	124.5	126.7	1837	-210661	2	-331267	13.3	93.4	0	+∞	Si
193	-144137	2	-257160	5.8	124.5	89.2	1837	-133969	2	-235481	9.5	93.4	0	+∞	Si
215	-77142	3	-166934	3.8	124.5	57.9	1837	-72165	2	-154583	6.2	93.4	0	+∞	Si
238	-28893	9	-94794	2.1	124.5	32.9	1837	-25249	2	-88573	3.6	93.4	0	+∞	Si
249	-11533	9	-65498	1.8	124.5	119.2	1837	-7374	2	-61151	2.3	93.4	0	+∞	Si
272	19000	1	31333	1.1	124.5	46.5	1837	19000	1	31333	1.1	93.4	0	+∞	Si
295	30863	1	31695	1.1	124.5	47	1837	30863	1	31695	1.1	93.4	0	+∞	Si
317	29039	1	31695	1.1	124.5	47	1837	29039	1	31695	1.1	93.4	0	+∞	Si
340	13791	1	13791	0.5	124.5	20.5	1837	13791	1	13791	0.5	93.4	0	+∞	Si
340	-28760	3	-8733	0.3	124.5	13	1837								Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	38.5	0.00035	0.0135	2	38.5	0.00033	0.0126	2	38.5	0.00031	0.0118	2	Si
23	superiore	38.5	0.00032	0.0124	2	38.5	0.00029	0.0114	2	38.5	0.00028	0.0109	2	Si
45	superiore	38.6	0.00032	0.0125	2	38.6	0.0003	0.0114	2	38.6	0.00028	0.011	2	Si
57	superiore	40.8	0.00034	0.0139	2	40.8	0.00031	0.0127	2	40.8	0.0003	0.0122	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.01	1	-0.011	1	9999	Si
45	-0.008	-0.009	-0.007	-0.009	-0.008	-0.008	-0.007	-0.008	-0.008	-0.008	-0.018	1	-0.019	1	9999	Si
68	-0.009	-0.011	-0.009	-0.011	-0.01	-0.01	-0.009	-0.01	-0.01	-0.01	-0.023	1	-0.024	1	9999	Si
91	-0.01	-0.012	-0.01	-0.012	-0.011	-0.011	-0.01	-0.011	-0.011	-0.011	-0.025	1	-0.027	1	9999	Si
102	-0.011	-0.013	-0.01	-0.012	-0.011	-0.012	-0.01	-0.011	-0.011	-0.011	-0.026	1	-0.028	1	9999	Si
113	-0.011	-0.013	-0.01	-0.013	-0.011	-0.012	-0.011	-0.012	-0.011	-0.011	-0.026	1	-0.028	1	9999	Si
125	-0.011	-0.013	-0.01	-0.013	-0.011	-0.012	-0.011	-0.011	-0.011	-0.011	-0.026	1	-0.028	1	9999	Si
147	-0.01	-0.012	-0.01	-0.012	-0.01	-0.011	-0.01	-0.011	-0.01	-0.011	-0.025	1	-0.027	1	9999	Si
170	-0.009	-0.011	-0.009	-0.011	-0.009	-0.01	-0.009	-0.01	-0.009	-0.01	-0.023	1	-0.025	1	9999	Si
193	-0.008	-0.009	-0.008	-0.01	-0.008	-0.009	-0.008	-0.009	-0.008	-0.009	-0.021	1	-0.022	1	9999	Si
215	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.018	1	-0.019	1	9999	Si
238	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.015	1	-0.015	1	9999	Si
249	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.013	1	-0.014	1	9999	Si
272	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si
295	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	-0.006	1	-0.007	1	9999	Si
317	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si

Trave a "Piano 1" 42-1

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 42 - ?, sezione R 45x70, asta 939

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	642203	LU 12	642203	2322809	0.092						Si
19	19.01	5.4	19.01	5.4	643461	LU 12	643461	2322809	0.092						Si
28	19.01	5.4	19.01	5.4	637883	LU 12	637883	2322809	0.092						Si
37	19.01	5.4	19.01	5.4	627747	LU 12	637883	2322809	0.092						Si
56	19.01	5.4	19.01	5.4	595061	LU 12	637883	2322809	0.092						Si
65	19.01	5.4	19.01	5.4	572363	LU 11	629167	2322809	0.092						Si
83	19.01	5.4	19.01	5.4	514636	LU 11	597689	2322809	0.092						Si
102	19.01	5.4	19.01	5.4	439937	LU 11	549426	2322809	0.092						Si
120	19.01	5.4	19.01	5.4	348266	LU 11	484421	2322809	0.092						Si
139	19.01	5.4	19.01	5.4	239623	LU 11	402443	2322809	0.092						Si
157	19.01	5.4	19.01	5.4	114008	LU 11	303494	2322809	0.092	58291	LU 4	-121894	-2322809	0.092	Si
176	19.01	5.4	19.01	5.4	-11894	LU 7	187573	2322809	0.092	-43725	LU 13	-290299	-2322809	0.092	Si
194	19.01	5.4	19.01	5.4	-116714	LU 6	88147	2322809	0.092	-191056	LU 12	-476938	-2322809	0.092	Si
204	19.01	5.4	19.01	5.4	-169149	LU 6	47638	2322809	0.092	-277407	LU 12	-576622	-2322809	0.092	Si
222	19.01	5.4	19.01	5.4						-462839	LU 12	-788719	-2322809	0.092	Si
241	19.01	5.4	19.01	5.4						-665242	LU 12	-836302	-2322809	0.092	Si
255	19.01	5.4	19.01	5.4						-836302	LU 12	-836302	-2322809	0.092	Si
259	19.01	5.4	19.01	5.4						-884617	LU 12	-880439	-2322809	0.092	Si
278	19.01	5.4	19.01	5.4						-1120964	LU 12	-972619	-2322809	0.092	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	653	LU 2	653	12949	76908	0	12949	1	Si
0	0	19.01	0	-501	LU 13	-501	-12949	-76908	0	-12949	1	Si
19	0	19.01	0	-1170	LU 13	-1170	-12949	-76908	0	-12949	1	Si
28	0.259	19.01	0	-1496	LU 13	-1496	-12949	-76908	-30011	-30011	1	Si
37	0.259	19.01	0	-1839	LU 13	-1839	-12949	-76908	-30011	-30011	1	Si
56	0.259	19.01	0	-2509	LU 13	-2509	-12949	-76908	-30011	-30011	1	Si
65	0.259	19.01	0	-2844	LU 13	-2844	-12949	-76908	-30011	-30011	1	Si
83	0.259	19.01	0	-3601	LU 12	-3601	-12949	-76908	-30011	-30011	1	Si
102	0.299	19.01	0	-4518	LU 12	-4518	-12949	-76908	-34665	-34665	1	Si
120	0.299	19.01	0	-5436	LU 12	-5436	-12949	-76908	-34665	-34665	1	Si
139	0.299	19.01	0	-6353	LU 12	-6353	-12949	-76908	-34665	-34665	1	Si
157	0.299	19.01	0	-7270	LU 12	-7270	-12949	-76908	-34665	-34665	1	Si
176	0.299	19.01	0	-8188	LU 12	-8188	-12949	-76908	-34665	-34665	1	Si
194	0.33	19.01	0	-9105	LU 12	-9105	-12949	-76908	-38347	-38347	1	Si
204	0.33	19.01	0	-9563	LU 12	-9563	-12949	-76908	-38347	-38347	1	Si
222	0.33	19.01	0	-10481	LU 12	-10481	-12949	-76908	-38347	-38347	1	Si
241	0.33	19.01	0	-11398	LU 12	-11398	-12949	-76908	-38347	-38347	1	Si
255	0.33	19.01	0	-12117	LU 12	-12117	-12949	-76908	-38347	-38347	1	Si
259	0	19.01	0	-12315	LU 12	-12315	-12949	-76908	0	-12949	1	Si
278	0	19.01	0	-13233	LU 12	-13233	-12949	-76908	0	-12949	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	489711	3	489711	12.9	124.5	441.1	1837	469898	2	467809	12.3	93.4	0	+∞	Si
19	489050	3	489050	12.9	124.5	440.5	1837	461911	2	461656	12.2	93.4	0	+∞	Si
28	484139	3	484139	12.8	124.5	436.1	1837	454216	2	454216	12	93.4	0	+∞	Si
37	475804	3	484139	12.8	124.5	436.1	1837	443477	2	454216	12	93.4	0	+∞	Si
56	449973	3	484139	12.8	124.5	436.1	1837	414597	2	454216	12	93.4	0	+∞	Si
65	432344	2	476971	12.6	124.5	429.7	1837	396239	2	444974	11.7	93.4	0	+∞	Si
83	387913	2	452035	11.9	124.5	407.2	1837	351690	2	416838	11	93.4	0	+∞	Si
102	330896	2	414639	10.9	124.5	373.5	1837	296694	2	378254	10	93.4	0	+∞	Si
120	261294	2	364810	9.6	124.5	328.6	1837	231251	2	329225	8.7	93.4	0	+∞	Si
139	179107	2	302396	8	124.5	271.8	1837	155362	2	269749	7.1	93.4	0	+∞	Si
157	84334	2	227397	6	124.5	204.8	1837	69027	2	199826	5.3	93.4	0	+∞	Si
176	-33121	4	-219415	5.8	124.5	197.7	1837	-29783	1	-201073	5.3	93.4	0	+∞	Si
194	-144912	3	-359408	9.5	124.5	323.8	1837	-134983	2	-324714	8.6	93.4	0	+∞	Si
204	-209741	3	-434124	11.4	124.5	391.1	1837	-192515	2	-390452	10.3	93.4	0	+∞	Si
222	-348839	3	-592994	15.6	124.5	534.2	1837	-315412	2	-529763	14	93.4	0	+∞	Si
241	-500522	3	-628618	16.6	124.5	566.3	1837	-448757	2	-560915	14.8	93.4	0	+∞	Si
255	-628618	3	-628618	16.6	124.5	566.3	1837	-560915	2	-560915	14.8	93.4	0	+∞	Si
259	-664790	3	-661660	17.4	124.5	596	1837	-592547	2	-589807	15.5	93.4	0	+∞	Si
278	-841643	3	-730671	19.2	124.5	658.2	1837	-746784	2	-650148	17.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
28	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
37	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
56	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.006	2	9999	Si
65	0.005	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
83	0.005	0.004	0.004	0.003	0.005	0.004	0.003	0.003	0.005	0.004	0.008	2	0.007	2	9999	Si
102	0.005	0.004	0.004	0.003	0.005	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
120	0.005	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.006	2	0.006	2	9999	Si
139	0.004	0.003	0.003	0.002	0.004	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
157	0.003	0.002	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.004	2	0.004	2	9999	Si
176	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.002	2	0.002	2	9999	Si
194	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
204	0.001	0	0	0	0.001	0	0	0	0.001	0	0	2	0	2	9999	Si
222	0	0	0	-0.001	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
241	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
255	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
259	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si

Campata 2 tra i fili ? - ?, sezione R 45x70, asta 940

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4						-452869	LU 12	-413993	-2322809	0.092	Si
12	19.01	5.4	19.01	5.4						-415304	LU 12	-406673	-2322809	0.092	Si
23	19.01	5.4	19.01	5.4						-387530	LU 12	-387530	-2322809	0.092	Si
35	19.01	5.4	19.01	5.4						-361001	LU 12	-387530	-2322809	0.092	Si
47	19.01	5.4	19.01	5.4	-164967	LU 6	10662	2322809	0.092	-344262	LU 12	-387530	-2322809	0.092	Si
53	19.01	5.4	19.01	5.4	-164946	LU 6	27583	2322809	0.092	-338496	LU 12	-383579	-2322809	0.092	Si
65	19.01	5.4	19.01	5.4	-167825	LU 6	53616	2322809	0.092	-332171	LU 12	-360199	-2322809	0.092	Si
77	19.01	5.4	19.01	5.4	-174603	LU 6	69235	2322809	0.092	-332788	LU 12	-364295	-2322809	0.092	Si
89	19.01	5.4	19.01	5.4	-185279	LU 6	74442	2322809	0.092	-340346	LU 12	-389453	-2322809	0.092	Si
101	19.01	5.4	19.01	5.4	-199653	LU 8	69235	2322809	0.092	-355047	LU 11	-421553	-2322809	0.092	Si
112	19.01	5.4	19.01	5.4	-217580	LU 8	53616	2322809	0.092	-377035	LU 11	-460595	-2322809	0.092	Si
124	19.01	5.4	19.01	5.4	-239405	LU 8	27583	2322809	0.092	-405965	LU 11	-506579	-2322809	0.092	Si
136	19.01	5.4	19.01	5.4						-441837	LU 11	-513738	-2322809	0.092	Si
142	19.01	5.4	19.01	5.4						-462377	LU 11	-513738	-2322809	0.092	Si
155	19.01	5.4	19.01	5.4						-513738	LU 11	-513738	-2322809	0.092	Si
166	19.01	5.4	19.01	5.4						-561889	LU 11	-548428	-2322809	0.092	Si
177	19.01	5.4	19.01	5.4						-622058	LU 11	-561692	-2322809	0.092	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	3468	LU 12	3468	12949	76908	0	12949	1	Si
12	0	19.01	0	2881	LU 12	2881	12949	76908	0	12949	1	Si
23	0.319	19.01	0	2352	LU 12	2352	12949	76908	36995	36995	1	Si
35	0.319	19.01	0	1708	LU 12	1708	12949	76908	36995	36995	1	Si
47	0.319	19.01	0	1122	LU 3	1122	12949	76908	36995	36995	1	Si
47	0.319	19.01	0	-2	LU 10	-2	-12949	-76908	-36995	-36995	1	Si
53	0.319	19.01	0	878	LU 3	878	12949	76908	36995	36995	1	Si
53	0.319	19.01	0	-216	LU 10	-216	-12949	-76908	-36995	-36995	1	Si
65	0.319	19.01	0	390	LU 3	390	12949	76908	36995	36995	1	Si
65	0.319	19.01	0	-644	LU 10	-644	-12949	-76908	-36995	-36995	1	Si
77	0.319	19.01	0	-1072	LU 10	-1072	-12949	-76908	-36995	-36995	1	Si
89	0.319	19.01	0	-1501	LU 10	-1501	-12949	-76908	-36995	-36995	1	Si
101	0.319	19.01	0	-1929	LU 10	-1929	-12949	-76908	-36995	-36995	1	Si
112	0.319	19.01	0	-2357	LU 10	-2357	-12949	-76908	-36995	-36995	1	Si
124	0.319	19.01	0	-2785	LU 10	-2785	-12949	-76908	-36995	-36995	1	Si
136	0.319	19.01	0	-3325	LU 11	-3325	-12949	-76908	-36995	-36995	1	Si
142	0.319	19.01	0	-3618	LU 11	-3618	-12949	-76908	-36995	-36995	1	Si
155	0.319	19.01	0	-4263	LU 11	-4263	-12949	-76908	-36995	-36995	1	Si
166	0	19.01	0	-4791	LU 11	-4791	-12949	-76908	0	-12949	1	Si
177	0	19.01	0	-5378	LU 11	-5378	-12949	-76908	0	-12949	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-330593	3	-302712	8	124.5	272.7	1837	-248865	2	-230292	6.1	93.4	0	+∞	Si
12	-303733	3	-297546	7.8	124.5	268	1837	-231376	2	-227268	6	93.4	0	+∞	Si
23	-284035	3	-284035	7.5	124.5	255.9	1837	-219359	2	-219359	5.8	93.4	0	+∞	Si
35	-265456	3	-284035	7.5	124.5	255.9	1837	-209219	2	-219359	5.8	93.4	0	+∞	Si
47	-254039	3	-284035	7.5	124.5	255.9	1837	-204550	2	-219359	5.8	93.4	0	+∞	Si
53	-250261	3	-281246	7.4	124.5	253.4	1837	-203818	2	-217727	5.7	93.4	0	+∞	Si
65	-246566	3	-264905	7	124.5	238.6	1837	-205558	2	-228017	6	93.4	0	+∞	Si
77	-248019	3	-273795	7.2	124.5	246.6	1837	-211571	2	-244527	6.4	93.4	0	+∞	Si
89	-254619	3	-293405	7.7	124.5	264.3	1837	-221857	2	-265311	7	93.4	0	+∞	Si
101	-266501	2	-318162	8.4	124.5	286.6	1837	-236416	2	-290367	7.6	93.4	0	+∞	Si
112	-283761	2	-348068	9.2	124.5	313.5	1837	-255248	2	-319696	8.4	93.4	0	+∞	Si
124	-306168	2	-383121	10.1	124.5	345.1	1837	-278353	2	-353298	9.3	93.4	0	+∞	Si
136	-333723	2	-388566	10.2	124.5	350	1837	-305731	2	-358457	9.4	93.4	0	+∞	Si
142	-349431	2	-388566	10.2	124.5	350	1837	-321022	2	-358457	9.4	93.4	0	+∞	Si
155	-388566	2	-388566	10.2	124.5	350	1837	-358457	2	-358457	9.4	93.4	0	+∞	Si
166	-425132	2	-414946	10.9	124.5	373.8	1837	-392870	2	-383453	10.1	93.4	0	+∞	Si
177	-470704	2	-425033	11.2	124.5	382.9	1837	-435203	2	-393010	10.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	1	-0.001	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
35	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
47	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
53	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
65	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
77	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
89	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
95	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
101	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
112	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
124	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
136	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
142	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
155	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
166	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si

Campata 3 tra i fili ? - 19, sezione R 45x70, asta 941

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4						-362647	LU 11	-308413	-2322809	0.092	Si
18	19.01	5.4	19.01	5.4						-284620	LU 11	-282532	-2322809	0.092	Si
23	19.01	5.4	19.01	5.4						-266253	LU 11	-266253	-2322809	0.092	Si
35	19.01	5.4	19.01	5.4						-222001	LU 11	-266253	-2322809	0.092	Si
53	19.01	5.4	19.01	5.4						-174788	LU 11	-261289	-2322809	0.092	Si
62	19.01	5.4	19.01	5.4	-88278	LU 8	1933	2322809	0.092	-156959	LU 11	-230757	-2322809	0.092	Si
79	19.01	5.4	19.01	5.4	-87571	LU 9	79543	2322809	0.092	-142617	LU 10	-181249	-2322809	0.092	Si
97	19.01	5.4	19.01	5.4	-87883	LU 9	134042	2322809	0.092	-154586	LU 10	-199181	-2322809	0.092	Si
115	19.01	5.4	19.01	5.4	-89627	LU 3	165430	2322809	0.092	-177801	LU 10	-245962	-2322809	0.092	Si
132	19.01	5.4	19.01	5.4	-104010	LU 2	173708	2322809	0.092	-213669	LU 17	-304539	-2322809	0.092	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
150	19.01	5.4	19.01	5.4	-130988	LU 2	158876	2322809	0.092	-264947	LU 17	-374363	-2322809	0.092	Si
167	19.01	5.4	19.01	5.4	-170778	LU 2	120932	2322809	0.092	-327472	LU 17	-455433	-2322809	0.092	Si
176	19.01	5.4	19.01	5.4	-195477	LU 2	93294	2322809	0.092	-362952	LU 17	-500186	-2322809	0.092	Si
185	23.79	5.4	19.01	5.4	-223379	LU 2	59879	2322497	0.091	-401243	LU 17	-547750	-2888927	0.098	Si
203	26.28	5.4	19.01	5.4						-486261	LU 17	-651313	-3183805	0.102	Si
212	27.53	5.4	19.01	5.4						-532987	LU 17	-652132	-3331283	0.104	Si
232	30.41	5.4	19.01	5.4						-652132	LU 17	-652132	-3671897	0.108	Si
247	30.41	5.4	19.01	5.4						-748009	LU 17	-723220	-3671897	0.108	Si
264	30.41	5.4	19.01	5.4						-872389	LU 17	-752855	-3671897	0.108	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	4863	LU 11	4863	12949	76908	0	12949	1	Si
18	0	19.01	0	3989	LU 11	3989	12949	76908	0	12949	1	Si
23	0.384	19.01	0	3748	LU 11	3748	12949	76908	44581	44581	1	Si
35	0.384	19.01	0	3115	LU 11	3115	12949	76908	44581	44581	1	Si
53	0.384	19.01	0	2241	LU 11	2241	12949	76908	44581	44581	1	Si
62	0.384	19.01	0	1804	LU 11	1804	12949	76908	44581	44581	1	Si
62	0.384	19.01	0	-102	LU 8	-102	-12949	-76908	-44581	-44581	1	Si
79	0.384	19.01	0	1013	LU 2	1013	12949	76908	44581	44581	1	Si
79	0.384	19.01	0	-676	LU 17	-676	-12949	-76908	-44581	-44581	1	Si
97	0.384	19.01	0	287	LU 2	287	12949	76908	44581	44581	1	Si
97	0.384	19.01	0	-1314	LU 17	-1314	-12949	-76908	-44581	-44581	1	Si
115	0.384	19.01	0	-1952	LU 17	-1952	-12949	-76908	-44581	-44581	1	Si
132	0.384	19.01	0	-2590	LU 17	-2590	-12949	-76908	-44581	-44581	1	Si
150	0.384	19.01	0	-3228	LU 17	-3228	-12949	-76908	-44581	-44581	1	Si
167	0.384	19.01	0	-3866	LU 17	-3866	-12949	-76908	-44581	-44581	1	Si
185	0.384	19.01	0	-4592	LU 18	-4592	-12949	-76908	-44581	-44581	1	Si
203	0.384	19.01	0	-5395	LU 18	-5395	-12949	-76908	-44581	-44581	1	Si
212	0.384	19.01	0	-5797	LU 18	-5797	-12949	-76908	-44581	-44581	1	Si
232	0.384	19.01	0	-6725	LU 18	-6725	-12949	-76908	-44581	-44581	1	Si
247	0	23.79	0	-7403	LU 18	-7403	-13955	-76908	0	-13955	1	Si
264	0	26.28	0	-8262	LU 12	-8262	-14426	-76908	0	-14426	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-265142	2	-226125	6	124.5	203.7	1837	-202276	2	-175547	4.6	93.4	0	+∞	Si
18	-209161	2	-207669	5.5	124.5	187.1	1837	-164675	2	-163701	4.3	93.4	0	+∞	Si
23	-196060	2	-196060	5.2	124.5	176.6	1837	-156250	2	-156250	4.1	93.4	0	+∞	Si
35	-164605	2	-196060	5.2	124.5	176.6	1837	-136558	2	-156250	4.1	93.4	0	+∞	Si
53	-131474	2	-192520	5.1	124.5	173.4	1837	-117923	2	-153974	4.1	93.4	0	+∞	Si
62	-119193	2	-170819	4.5	124.5	153.9	1837	-112163	2	-140394	3.7	93.4	0	+∞	Si
79	-109705	1	-135985	3.6	124.5	122.5	1837	-109705	1	-129743	3.4	93.4	0	+∞	Si
97	-118912	1	-153216	4	124.5	138	1837	-118912	1	-153216	4	93.4	0	+∞	Si
115	-136770	1	-188687	5	124.5	170	1837	-136770	1	-185340	4.9	93.4	0	+∞	Si
132	-164217	8	-233175	6.1	124.5	210	1837	-163280	1	-226115	6	93.4	0	+∞	Si
150	-203090	8	-286314	7.5	124.5	257.9	1837	-198440	1	-275541	7.3	93.4	0	+∞	Si
167	-250615	8	-348105	9.2	124.5	313.6	1837	-242252	1	-333619	8.8	93.4	0	+∞	Si
185	-306791	8	-418546	10.3	124.5	303.8	1837	-294714	1	-400347	9.8	93.4	0	+∞	Si
203	-371618	8	-497639	11.9	124.5	328.3	1837	-355828	1	-475727	11.3	93.4	0	+∞	Si
212	-407275	8	-498265	11.7	124.5	314.4	1837	-389630	1	-476325	11.2	93.4	0	+∞	Si
232	-498265	8	-498265	11.4	124.5	285.8	1837	-476325	1	-476325	10.9	93.4	0	+∞	Si
247	-571534	8	-552576	12.6	124.5	317	1837	-546462	1	-528221	12.1	93.4	0	+∞	Si
264	-666640	8	-575218	13.1	124.5	330	1837	-637856	1	-549856	12.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
35	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.003	2	-0.003	2	9999	Si
53	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
62	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.006	2	9999	Si
79	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
97	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.008	2	9999	Si
115	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
132	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	2	-0.009	2	9999	Si
150	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	2	-0.009	2	9999	Si
159	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	2	-0.009	2	9999	Si
167	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	2	-0.009	2	9999	Si
185	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	2	-0.009	2	9999	Si
203	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
212	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.007	2	-0.007	2	9999	Si
232	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	2	-0.005	2	9999	Si
247	-0.001	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	2	-0.003	2	9999	Si

Campata 4 tra i fili 19 - 8, sezione R 45x70, asta 942

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	19.01	5.4						-1598099	LU 12	-1363506	-3671897	0.108	Si
21	30.41	5.4	19.01	5.4						-1304564	LU 13	-1279671	-3671897	0.108	Si
33	30.41	5.4	19.01	5.4						-1169626	LU 13	-1169626	-3671897	0.108	Si
43	28.96	5.4	19.01	5.4						-1049240	LU 13	-1169626	-3500809	0.106	Si
64	25.94	5.4	19.01	5.4						-810444	LU 13	-1139729	-3143524	0.101	Si
85	19.01	5.4	19.01	5.4	-380306	LU 2	49093	2322809	0.092	-588177	LU 13	-894980	-2322809	0.092	Si
96	19.01	5.4	19.01	5.4	-294823	LU 2	104285	2322809	0.092	-483242	LU 13	-778803	-2322809	0.092	Si
118	19.01	5.4	19.01	5.4	-137978	LU 2	189196	2322809	0.092	-286485	LU 17	-558846	-2322809	0.092	Si
139	18.36	5.4	19.01	5.4	37	LU 2	240143	2322851	0.092	-106857	LU 17	-355660	-2246336	0.091	Si
160	26.23	6.9	19.01	5.4	133160	LU 11	309903	2402661	0.109	42308	LU 8	-170078	-3098637	0.104	Si
182	25.32	7.6	19.01	5.4	267593	LU 11	413537	2395276	0.123	154805	LU 8	-1653	-2958600	0.104	Si
203	26.61	7.7	23.94	6.2	379383	LU 11	494527	2906184	0.134						Si
224	26.61	7.7	28.25	6.7	468530	LU 11	582930	3352449	0.143						Si
246	26.61	7.7	37.01	7.3	551983	LU 13	658751	4256428	0.162						Si
256	26.61	7.7	39.17	7.5	594937	LU 13	690464	4478604	0.167						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
278	26.61	7.7	41.81	7.6	668448	LU 13	697738	4750259	0.174						Si
288	26.61	7.7	41.81	7.6	697738	LU 13	697738	4750259	0.174						Si
299	26.61	7.7	41.81	7.6	725431	LU 13	722478	4750259	0.174						Si
321	26.61	7.7	41.81	7.6	765885	LU 13	741326	4750259	0.174						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	25.94	0	14772	LU 12	14772	14364	76908	0	14364	1	Si
21	0	19.01	0	13712	LU 12	13712	12949	76908	0	12949	1	Si
33	0.373	19.01	0	13161	LU 12	13161	12949	76908	43349	43349	1	Si
43	0.373	19.01	0	12653	LU 12	12653	12949	76908	43349	43349	1	Si
64	0.373	19.01	0	11593	LU 12	11593	12949	76908	43349	43349	1	Si
85	0.373	25.22	0	10534	LU 12	10534	14230	76908	43349	43349	1	Si
96	0.373	26.23	0	10004	LU 12	10004	14417	76908	43349	43349	1	Si
118	0.348	25.32	0	8945	LU 12	8945	14248	76908	40395	40395	1	Si
139	0.348	24.43	0	8080	LU 13	8080	14079	76908	40395	40395	1	Si
160	0.348	19.01	0	7307	LU 13	7307	12949	76908	40395	40395	1	Si
182	0.348	19.01	0	6533	LU 13	6533	12949	76908	40395	40395	1	Si
203	0.348	19.01	0	5760	LU 13	5760	12868	75928	39880	39880	1	Si
224	0.302	19.01	0	4987	LU 13	4987	12821	75350	34303	34303	1	Si
246	0.302	19.01	0	4213	LU 13	4213	12758	74592	33958	33958	1	Si
256	0.302	19.01	0	3826	LU 13	3826	12746	74457	33897	33897	1	Si
278	0.302	26.09	0	3053	LU 13	3053	14153	74311	33830	33830	1	Si
288	0.302	28.25	0	2682	LU 13	2682	14533	74311	33830	33830	1	Si
288	0.302	28.25	0	-131	LU 2	-131	-14533	-74311	-33830	-33830	1	Si
299	0	30.41	0	2280	LU 13	2280	14894	74311	0	14894	1	Si
299	0	30.41	0	-590	LU 2	-590	-14894	-74311	0	-14894	1	Si
321	0	39.17	0	1506	LU 13	1506	16206	74311	0	16206	1	Si
321	0	39.17	0	-1471	LU 2	-1471	-16206	-74311	0	-16206	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1226823	3	-1048609	23.9	124.5	601.6	1837	-1215266	2	-1047035	23.9	93.4	0	+∞	Si
21	-1003274	4	-984128	22.5	124.5	564.6	1837	-1001737	1	-982606	21.8	93.4	0	+∞	Si
33	-899489	4	-899489	20.5	124.5	516	1837	-898033	1	-898033	20.5	93.4	0	+∞	Si
43	-806895	4	-899489	20.8	124.5	540.7	1837	-805514	1	-898033	20.8	93.4	0	+∞	Si
64	-623230	4	-876494	21	124.5	585.5	1837	-622005	1	-875057	20.9	93.4	0	+∞	Si
85	-452279	4	-688249	18.1	124.5	620	1837	-451209	1	-686967	18.1	93.4	0	+∞	Si
96	-371572	4	-598894	15.8	124.5	539.5	1837	-370580	1	-597690	15.7	93.4	0	+∞	Si
118	-220171	8	-429720	11.3	124.5	387.1	1837	-218856	1	-428672	11.3	93.4	0	+∞	Si
139	-81884	8	-273423	7.3	124.5	254.7	1837	-79846	1	-272368	7.3	93.4	0	+∞	Si
160	94966	2	232937	5.9	124.5	210.7	1837	61005	2	208140	5.3	93.4	0	+∞	Si
182	199733	2	314864	8.2	124.5	286.3	1837	171941	2	300119	7.8	93.4	0	+∞	Si
203	287708	2	380001	9.2	124.5	285.5	1837	268941	2	378161	9.2	93.4	0	+∞	Si
224	358894	2	448384	10.4	124.5	293	1837	352004	2	448231	10.4	93.4	0	+∞	Si
246	424587	4	506684	11	124.5	263.1	1837	424490	1	506375	11	93.4	0	+∞	Si
256	457617	4	531067	11.4	124.5	262.7	1837	457441	1	530680	11.4	93.4	0	+∞	Si
278	514140	4	536659	11.4	124.5	251	1837	513809	1	536254	11.4	93.4	0	+∞	Si
288	536659	4	536659	11.4	124.5	251	1837	536254	1	536254	11.4	93.4	0	+∞	Si
299	557949	4	555680	11.8	124.5	259.9	1837	557462	1	555208	11.8	93.4	0	+∞	Si
321	589044	4	570171	12.1	124.5	266.6	1837	588402	1	569647	12.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
33	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.007	2	9999	Si
43	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
64	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.008	2	-0.009	2	9999	Si
85	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.008	2	-0.009	2	9999	Si
96	-0.002	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.007	2	-0.008	2	9999	Si
118	-0.001	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.006	2	-0.006	2	9999	Si
139	0	-0.001	-0.001	-0.002	0	-0.001	-0.001	-0.002	-0.001	-0.001	-0.003	2	-0.004	2	9999	Si
160	0.002	0	0	-0.001	0.001	0	0	-0.001	0.001	0	-0.001	2	-0.001	2	9999	Si
182	0.003	0.002	0.001	0	0.002	0.002	0.001	0.001	0.002	0.002	0.001	2	0.001	2	9999	Si
203	0.004	0.003	0.002	0.001	0.003	0.003	0.002	0.001	0.003	0.003	0.003	2	0.003	2	9999	Si
224	0.004	0.003	0.003	0.002	0.004	0.004	0.002	0.002	0.004	0.004	0.005	2	0.004	2	9999	Si
246	0.004	0.004	0.003	0.002	0.004	0.004	0.003	0.002	0.004	0.004	0.005	2	0.005	2	9999	Si
256	0.004	0.004	0.003	0.002	0.004	0.004	0.003	0.002	0.004	0.004	0.005	2	0.005	2	9999	Si
278	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.004	2	9999	Si
288	0.003	0.002	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.004	2	0.004	2	9999	Si
299	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si

Campata 5 tra i fili 8 - 1, sezione R 45x70, asta 943

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	7.7	41.81	7.6						-683557	LU 11	-604554	-3177719	0.134	Si
24	26.61	7.7	41.81	7.6						-572064	LU 11	-566498	-3177719	0.134	Si
33	26.61	7.7	41.81	7.6						-532789	LU 11	-532789	-3177719	0.134	Si
47	26.61	7.7	37.83	7.8						-468272	LU 11	-532789	-3149283	0.139	Si
71	26.61	7.7	31.84	8.1						-370214	LU 11	-491641	-3115780	0.145	Si
95	26.61	7.7	31.89	7.5	-183254	LU 8	12704	3698082	0.152	-277890	LU 11	-392274	-3148575	0.136	Si
107	26.61	7.7	26.61	7.1	-151195	LU 8	27137	3152300	0.14	-233878	LU 11	-344741	-3145433	0.132	Si
130	26.61	7.7	22.04	6.6	-90384	LU 8	49550	2679743	0.132	-150156	LU 11	-253975	-3140136	0.125	Si
154	25.75	7.6	15.21	5.4	-33985	LU 8	63363	1971631	0.118	-72168	LU 11	-168943	-3006361	0.109	Si
178	21.29	7.3	15.21	5.4	22374	LU 17	98055	1953286	0.11	-4283	LU 2	-89646	-2514220	0.101	Si
201	11.4	5.4	15.21	5.4	84666	LU 13	153952	1873055	0.09	47582	LU 2	-16879	-1422107	0.084	Si
225	11.4	5.4	15.21	5.4	141873	LU 13	204115	1873055	0.09						Si
249	11.4	5.4	15.21	5.4	193345	LU 13	248544	1873055	0.09						Si
272	15.42	5.4	15.21	5.4	239084	LU 13	287416	1872760	0.089						Si
284	16.54	5.4	19.76	5.4	259802	LU 13	304897	2412423	0.094						Si
308	18.77	5.4	22.81	5.4	297270	LU 10	331482	2772855	0.097						Si
333	19.01	5.4	22.81	5.4	331482	LU 11	331482	2772814	0.097						Si
355	19.01	5.4	22.81	5.4	359218	LU 11	346614	2772814	0.097						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	5142	LU 11	5142	14234	74187	0	14234	1	Si
24	0	26.61	0	4507	LU 11	4507	14234	74187	0	14234	1	Si
33	0.259	26.61	0	4416	LU 11	4416	14234	74187	28949	28949	1	Si
47	0.259	26.61	0	4264	LU 11	4264	14234	74187	28949	28949	1	Si
71	0.259	26.61	0	4022	LU 11	4022	14234	74187	28949	28949	1	Si
95	0.259	25.75	0	3780	LU 11	3780	14079	74187	28949	28949	1	Si
107	0.239	23.52	0	3659	LU 11	3659	13660	74187	26738	26738	1	Si
130	0.239	19.06	0	3416	LU 11	3416	12735	74187	26738	26738	1	Si
154	0.239	11.4	0	3174	LU 11	3174	10737	74255	26762	26762	1	Si
178	0.239	15.21	0	2932	LU 11	2932	12021	76908	27718	27718	1	Si
201	0.239	15.21	0	2690	LU 11	2690	12021	76908	27718	27718	1	Si
225	0.239	15.21	0	2447	LU 11	2447	12021	76908	27718	27718	1	Si
249	0.239	15.21	0	2205	LU 11	2205	12021	76908	27718	27718	1	Si
272	0.23	15.21	0	1963	LU 11	1963	12021	76908	26676	26676	1	Si
284	0.23	15.21	0	1842	LU 11	1842	12021	76908	26676	26676	1	Si
308	0.23	15.21	0	1599	LU 11	1599	12021	76908	26676	26676	1	Si
333	0.23	15.21	0	1345	LU 11	1345	12021	76908	26676	26676	1	Si
355	0	21.36	0	1115	LU 11	1115	13462	76908	0	13462	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-521494	2	-461004	9.9	124.5	329.3	1837	-501846	2	-442633	9.5	93.4	0	+∞	Si
24	-436108	2	-431843	9.3	124.5	308.5	1837	-418177	2	-413983	8.9	93.4	0	+∞	Si
33	-406012	2	-406012	8.7	124.5	290	1837	-388606	2	-388606	8.3	93.4	0	+∞	Si
47	-356577	2	-406012	9	124.5	291.1	1837	-340052	2	-388606	8.6	93.4	0	+∞	Si
71	-281457	2	-374483	8.8	124.5	269.9	1837	-266337	2	-357637	8.4	93.4	0	+∞	Si
95	-210747	2	-298356	6.9	124.5	213.9	1837	-197033	2	-282915	6.5	93.4	0	+∞	Si
107	-177047	2	-261946	6.3	124.5	187.9	1837	-164035	2	-247208	5.9	93.4	0	+∞	Si
130	-112954	2	-192435	4.8	124.5	138.1	1837	-101348	2	-179103	4.4	93.4	0	+∞	Si
154	-53272	2	-127335	3.4	124.5	94.1	1837	-43071	2	-115408	3.1	93.4	0	+∞	Si
178	16858	8	75212	2.2	124.5	84.8	1837	14564	1	73815	2.1	93.4	0	+∞	Si
201	64900	4	118268	3.7	124.5	133	1837	63417	1	117250	3.7	93.4	0	+∞	Si
225	108963	4	156913	4.9	124.5	176.5	1837	107859	1	156274	4.9	93.4	0	+∞	Si
249	148616	4	191148	6	124.5	214.9	1837	147890	1	190887	5.9	93.4	0	+∞	Si
272	183857	4	221089	6.5	124.5	247.7	1837	183510	1	221089	6.5	93.4	0	+∞	Si
284	199824	4	234536	6.3	124.5	203.9	1837	199666	1	234536	6.3	93.4	0	+∞	Si
308	228669	1	254896	6.4	124.5	192.7	1837	228669	1	254487	6.3	93.4	0	+∞	Si
333	254896	2	254896	6.3	124.5	192.6	1837	254487	2	254487	6.3	93.4	0	+∞	Si
355	275938	2	266389	6.6	124.5	201.3	1837	274192	2	265312	6.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
24	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
33	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
47	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
71	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
95	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
107	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
130	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.002	1	-0.003	1	9999	Si
154	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
178	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
201	0.001	0	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	1	0.001	1	9999	Si
225	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
249	0.002	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	1	0.003	1	9999	Si
272	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
284	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
308	0.002	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	1	0.003	1	9999	Si
333	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si

Trave a "Piano 1" 43-2

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 43 - 20, sezione R 45x70, asta 936

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4						-381146	LU 12	-197053	-1873055	0.09	Si
28	15.21	5.4	11.4	5.4	74817	LU 10	307553	1422107	0.084	-46670	LU 3	-46670	-1873055	0.09	Si
47	15.21	5.4	11.4	5.4	236233	LU 10	512665	1422107	0.084	147929	LU 9	-46670	-1873055	0.09	Si
95	10.97	5.4	11.4	5.4	686332	LU 11	923282	1422094	0.084						Si
142	7.6	5.4	11.4	5.4	1055145	LU 11	1225560	1422093	0.084						Si
166	7.6	5.4	11.4	5.4	1198923	LU 11	1336072	1422093	0.084						Si
213	7.6	5.4	11.4	5.4	1405227	LU 11	1475841	1422093	0.084						No
260	7.6	5.4	11.4	5.4	1503191	LU 11	1511546	1422093	0.084						No
308	7.6	5.4	11.4	5.4	1492816	LU 11	1511546	1422093	0.084						No
355	7.6	5.4	11.4	5.4	1374102	LU 11	1457459	1422093	0.084						No
402	7.6	5.4	11.4	5.4	1147049	LU 11	1341103	1422093	0.084						Si
450	7.6	5.4	11.4	5.4	811657	LU 11	1101631	1422093	0.084						Si
497	7.6	5.4	11.4	5.4	367925	LU 11	699651	1422093	0.084	101059	LU 4	-122345	-970824	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
521	7.6	5.4	11.4	5.4	121820	LU 2	437720	1422093	0.084	-71464	LU 13	-349837	-970824	0.078	Si
568	11.27	5.4	11.4	5.4						-537474	LU 10	-929201	-1405620	0.083	Si
615	15.21	5.4	11.4	5.4						-1215387	LU 11	-1710314	-1873055	0.09	Si
663	20.47	5.4	11.4	5.4						-2038306	LU 11	-2514032	-2496422	0.1	No
688	22.81	5.4	11.4	5.4						-2514032	LU 11	-2514032	-2773209	0.105	Si
710	22.81	5.4	11.4	5.4						-2969563	LU 11	-2735995	-2773209	0.105	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.21	0	13521	LU 12	13521	11469	76908	0	11469	1	Si
28	0.144	10.97	0	12193	LU 12	12193	10783	76908	16673	16673	1	Si
47	0.144	11.4	0	11233	LU 12	11233	10922	76908	16673	16673	1	Si
95	0.144	11.4	0	8945	LU 12	8945	10922	76908	16673	16673	1	Si
142	0.168	11.4	0	6656	LU 12	6656	10922	76908	19525	19525	1	Si
166	0.168	11.4	0	5512	LU 12	5512	10922	76908	19525	19525	1	Si
213	0.168	11.4	0	3223	LU 12	3223	10922	76908	19525	19525	1	Si
260	0.168	11.4	0	934	LU 12	934	10922	76908	19525	19525	1	Si
308	0.168	11.4	0	-1486	LU 10	-1486	-10922	-76908	-19525	-19525	1	Si
355	0.168	11.4	0	-3652	LU 11	-3652	-10922	-76908	-19525	-19525	1	Si
402	0.168	11.4	0	-5941	LU 11	-5941	-10922	-76908	-19525	-19525	1	Si
450	0.168	11.4	0	-8230	LU 11	-8230	-10922	-76908	-19525	-19525	1	Si
497	0.168	11.4	0	-10519	LU 11	-10519	-10922	-76908	-19525	-19525	1	Si
521	0.168	11.4	0	-11663	LU 11	-11663	-10922	-76908	-19525	-19525	1	Si
568	0.168	7.6	0	-13952	LU 11	-13952	-9541	-76908	-19525	-19525	1	Si
615	0.168	7.6	0	-16241	LU 11	-16241	-9541	-76908	-19525	-19525	1	Si
663	0.215	13.5	0	-18529	LU 11	-18529	-11553	-76908	-25009	-25009	1	Si
688	0.215	15.21	0	-19730	LU 11	-19730	-12021	-76908	-25009	-25009	1	Si
710	0	18.24	0	-20818	LU 11	-20818	-12772	-76908	0	-12772	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-271408	3	-135570	4.2	124.5	151.8	1837	-171337	2	-61788	1.9	93.4	0	+∞	Si
28	57552	1	236180	7.8	124.5	349.7	1837	57552	1	234361	7.7	93.4	0	+∞	Si
28	-11930	3	-11930	0.4	124.5	13.4	1837								Si
47	181718	1	387310	12.7	124.5	573.5	1837	181718	1	355244	11.7	93.4	0	+∞	Si
95	515198	2	689479	23.9	124.5	1023.7	1837	457186	2	595120	20.6	93.4	0	+∞	Si
142	786361	2	911296	33.1	124.5	1356.8	1837	671300	2	768232	27.9	93.4	0	+∞	Si
166	891811	2	992072	36	124.5	1477.1	1837	753320	2	829750	30.1	93.4	0	+∞	Si
213	1042447	2	1093362	39.7	124.5	1627.9	1837	867286	2	902714	32.8	93.4	0	+∞	Si
260	1112731	2	1117741	40.6	124.5	1664.2	1837	914487	2	914487	33.2	93.4	0	+∞	Si
308	1102663	2	1117741	40.6	124.5	1664.2	1837	894922	2	913378	33.2	93.4	0	+∞	Si
355	1012243	2	1075524	39	124.5	1601.4	1837	808593	2	868051	31.5	93.4	0	+∞	Si
402	841472	2	954099	34.6	124.5	1420.6	1837	655498	2	755959	27.4	93.4	0	+∞	Si
450	590349	2	752323	27.3	124.5	1120.1	1837	435639	2	577102	21	93.4	0	+∞	Si
497	258874	2	470194	17.1	124.5	700.1	1837	149014	2	331479	12	93.4	0	+∞	Si
521	63005	2	298998	10.9	124.5	445.2	1837								Si
521	-54926	4	-269106	6	124.5	93.3	1837	-54624	1	-269106	10.8	93.4	0	+∞	Si
568	-413441	1	-708180	24.5	124.5	1063.7	1837	-413441	1	-678198	23.5	93.4	0	+∞	Si
615	-921351	2	-1289881	40.2	124.5	1450.5	1837	-859646	2	-1172738	36.5	93.4	0	+∞	Si
663	-1534057	2	-1888133	53.3	124.5	1596.4	1837	-1379948	2	-1680030	47.4	93.4	0	+∞	Si
688	-1888133	2	-1888133	51.5	124.5	1439.4	1837	-1680030	2	-1680030	45.8	93.4	0	+∞	Si
710	-2227115	2	-2053321	56	124.5	1565.3	1837	-1967016	2	-1819948	49.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
213	inferiore	54.5	0.00047	0.0258	2	54.5	0.00042	0.0226	2	54.5	0.00039	0.0213	2	Si
237	inferiore	54.5	0.00048	0.0263	2	54.5	0.00042	0.0229	2	54.5	0.0004	0.0216	2	Si
260	inferiore	54.5	0.00048	0.0264	2	54.5	0.00042	0.0229	2	54.5	0.0004	0.0216	2	Si
308	inferiore	54.5	0.00048	0.0264	2	54.5	0.00042	0.0229	2	54.5	0.0004	0.0216	2	Si
355	inferiore	54.5	0.00047	0.0254	2	54.5	0.0004	0.0219	2	54.5	0.00038	0.0205	2	Si
615	superiore	44.5	0.00042	0.0188	2	44.5	0.00042	0.0185	2	44.5	0.0004	0.0177	2	Si
663	superiore	36.8	0.00048	0.0177	2	36.8	0.00052	0.0191	2	36.8	0.00049	0.0182	2	Si
688	superiore	34.5	0.00042	0.0146	2	34.5	0.00046	0.0159	2	34.5	0.00044	0.0151	2	Si
710	superiore	34.5	0.00049	0.0168	2	34.5	0.00052	0.0178	2	34.5	0.00049	0.0169	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
28	0.016	0.012	0.015	0.01	0.014	0.012	0.012	0.01	0.013	0.012	0.03	2	0.027	2	9999	Si
47	0.028	0.02	0.026	0.018	0.024	0.021	0.021	0.018	0.023	0.021	0.051	2	0.046	2	9999	Si
95	0.055	0.04	0.05	0.035	0.048	0.04	0.041	0.035	0.045	0.04	0.099	2	0.09	2	7146	Si
142	0.079	0.057	0.072	0.049	0.068	0.057	0.059	0.05	0.064	0.057	0.142	2	0.128	2	5010	Si
166	0.089	0.064	0.082	0.056	0.077	0.064	0.066	0.056	0.072	0.064	0.16	2	0.144	2	4451	Si
213	0.105	0.075	0.097	0.065	0.09	0.075	0.078	0.065	0.084	0.075	0.187	2	0.168	2	3798	Si
260	0.115	0.081	0.106	0.07	0.098	0.081	0.084	0.07	0.091	0.081	0.202	2	0.181	2	3512	Si
284	0.117	0.082	0.108	0.071	0.1	0.082	0.086	0.071	0.093	0.082	0.205	2	0.183	2	3464	Si
308	0.117	0.082	0.108	0.07	0.1	0.082	0.086	0.071	0.093	0.082	0.205	2	0.182	2	3472	Si
355	0.113	0.078	0.103	0.066	0.096	0.078	0.082	0.067	0.089	0.078	0.194	2	0.172	2	3654	Si
402	0.103	0.069	0.093	0.059	0.086	0.069	0.073	0.059	0.08	0.07	0.173	2	0.152	2	4110	Si
450	0.087	0.057	0.078	0.048	0.072	0.057	0.06	0.048	0.066	0.057	0.142	2	0.124	2	5001	Si
497	0.068	0.043	0.059	0.035	0.055	0.043	0.045	0.035	0.05	0.043	0.105	2	0.091	2	6752	Si
521	0.058	0.035	0.049	0.028	0.046	0.035	0.037	0.028	0.042	0.035	0.086	2	0.074	2	8285	Si
568	0.037	0.02	0.03	0.015	0.028	0.02	0.021	0.015	0.025	0.02	0.048	2	0.04	2	9999	Si
615	0.018	0.008	0.012	0.004	0.013	0.008	0.007	0.004	0.011	0.008	0.015	2	0.012	2	9999	Si
663	0.004	0	0	-0.002	0.002	0	-0.002	-0.002	0.001	0	-0.005	2	-0.005	2	9999	Si
688	0.001	-0.001	-0.002	-0.003	0	-0.001	-0.003	-0.003	-0.001	-0.001	-0.006	2	-0.006	2	9999	Si

Campata 2 tra i fili 20 - 9, sezione R 45x70, asta 937

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	11.4	5.4						-2581251	LU 11	-2389077	-2773209	0.105	Si
23	22.81	5.4	11.4	5.4						-2209097	LU 11	-2209097	-2773209	0.105	Si
45	20.66	5.4	11.4	5.4						-1856363	LU 11	-2209097	-2518718	0.1	Si
68	16.54	5.4	11.4	5.4						-1531182	LU 11	-1953490	-2031098	0.092	Si
91	11.09	5.4	11.4	5.4	-810195	LU 8	76399	1422094	0.084	-1230843	LU 11	-1621291	-1384619	0.083	No
102	7.6	5.4	11.4	5.4	-718612	LU 8	136952	1422093	0.084	-1089989	LU 11	-1464507	-970824	0.078	No
125	7.6	5.4	11.4	5.4	-545926	LU 8	230111	1422093	0.084	-826914	LU 11	-1169571	-970824	0.078	No
147	7.6	5.4	11.4	5.4	-387214	LU 8	286006	1422093	0.084	-588680	LU 11	-899478	-970824	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
170	7.6	5.4	11.4	5.4	-242477	LU 8	304637	1422093	0.084	-375289	LU 11	-654227	-970824	0.078	Si
193	7.6	5.4	11.4	5.4	-111713	LU 8	286006	1422093	0.084	-186741	LU 11	-433818	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	5893	LU 17	230111	1422093	0.084	-23852	LU 2	-238251	-970824	0.078	Si
238	7.6	5.4	11.4	5.4	140791	LU 13	287306	1422093	0.084	83628	LU 2	-67527	-970824	0.078	Si
261	7.6	5.4	11.4	5.4	258034	LU 13	381357	1422093	0.084						Si
272	7.6	5.4	12.93	5.4	309843	LU 13	421814	1602850	0.087						Si
295	7.6	5.4	14.45	5.4	400072	LU 10	472924	1784076	0.09						Si
317	7.6	5.4	15.21	5.4	472924	LU 10	472924	1873491	0.092						Si
340	7.6	5.4	15.21	5.4	526746	LU 10	504294	1873491	0.092						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.54	0	17086	LU 11	17086	12362	76908	0	12362	1	Si
11	0	12.16	0	16538	LU 11	16538	11157	76908	0	11157	1	Si
23	0.187	11.09	0	15998	LU 11	15998	10820	76908	21675	21675	1	Si
45	0.187	7.6	0	14894	LU 11	14894	9541	76908	21675	21675	1	Si
68	0.187	7.6	0	13798	LU 11	13798	9541	76908	21675	21675	1	Si
91	0.187	7.6	0	12702	LU 11	12702	9541	76908	21675	21675	1	Si
102	0.156	7.6	0	12154	LU 11	12154	9541	76908	18071	18071	1	Si
125	0.156	7.6	0	11058	LU 11	11058	9541	76908	18071	18071	1	Si
147	0.156	7.6	0	9962	LU 11	9962	9541	76908	18071	18071	1	Si
170	0.156	7.6	0	8866	LU 11	8866	9541	76908	18071	18071	1	Si
193	0.156	7.6	0	7770	LU 11	7770	9541	76908	18071	18071	1	Si
215	0.156	7.6	0	6674	LU 11	6674	9541	76908	18071	18071	1	Si
238	0.156	11.4	0	5599	LU 10	5599	10922	76908	18071	18071	1	Si
261	0.115	11.4	0	4798	LU 10	4798	10922	76908	13338	13338	1	Si
272	0.115	11.4	0	4397	LU 10	4397	10922	76908	13338	13338	1	Si
295	0.115	11.4	0	3596	LU 10	3596	10922	76908	13338	13338	1	Si
317	0.115	11.4	0	2788	LU 10	2788	10922	76908	13338	13338	1	Si
340	0	12.93	0	1993	LU 10	1993	11387	76908	0	11387	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1945914	2	-1801630	49.1	124.5	1373.4	1837	-1765442	2	-1637278	44.6	93.4	0	+∞	Si
23	-1666390	2	-1666390	45.4	124.5	1270.3	1837	-1516629	2	-1516629	41.4	93.4	0	+∞	Si
45	-1401219	2	-1666390	46.9	124.5	1396.6	1837	-1279495	2	-1516629	42.7	93.4	0	+∞	Si
68	-1156508	2	-1474253	44.6	124.5	1529.1	1837	-1059486	2	-1344892	40.7	93.4	0	+∞	Si
91	-930223	2	-1224338	42.6	124.5	1867.4	1837	-854786	2	-1120558	39	93.4	0	+∞	No
102	-823989	2	-1106289	44.4	124.5	2434.2	1837	-758177	2	-1014132	40.7	93.4	0	+∞	No
125	-625340	2	-884011	19.9	124.5	306.6	1837	-576441	2	-812761	32.6	93.4	0	+∞	Si
147	-445116	2	-680157	15.3	124.5	235.9	1837	-410015	2	-626701	25.2	93.4	0	+∞	Si
170	-283317	2	-494728	11.1	124.5	171.6	1837	-258897	2	-455949	18.3	93.4	0	+∞	Si
193	-139943	2	-327724	7.4	124.5	113.6	1837	-123089	2	-300507	12.1	93.4	0	+∞	Si
215	4292	8	134655	4.9	124.5	200.5	1837	2725	1	133935	4.9	93.4	0	+∞	Si
215	-14993	2	-179145	4	124.5	62.1	1837	-2591	2	-160374	6.4	93.4	0	+∞	Si
238	108173	4	220955	8	124.5	329	1837	107342	1	220631	8	93.4	0	+∞	Si
261	198421	4	293352	10.7	124.5	436.8	1837	197985	1	293352	10.7	93.4	0	+∞	Si
272	238304	4	324472	11.3	124.5	428.2	1837	238066	1	324472	11.3	93.4	0	+∞	Si
295	307748	1	363788	12.1	124.5	431.3	1837	307748	1	363788	12.1	93.4	0	+∞	Si
317	363788	1	363788	11.9	124.5	410.8	1837	363788	1	363788	11.9	93.4	0	+∞	Si
340	405189	1	387918	12.7	124.5	438	1837	405189	1	387918	12.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	34.5	0.0004	0.0138	2	34.5	0.00044	0.0152	2	34.5	0.00042	0.0146	2	Si
23	superiore	34.5	0.00037	0.0128	2	34.5	0.00039	0.0136	2	34.5	0.00038	0.0131	2	Si
45	superiore	36.6	0.00041	0.0149	2	36.6	0.00044	0.0161	2	36.6	0.00042	0.0154	2	Si
68	superiore	42.1	0.00045	0.0187	2	42.1	0.00047	0.0197	2	42.1	0.00045	0.0189	2	Si
91	superiore	55.6	0.00054	0.0302	2	55.6	0.00054	0.0303	2	55.6	0.00052	0.0291	2	Si
102	superiore	74.4	0.00071	0.0527	2	74.4	0.00069	0.0516	2	74.4	0.00067	0.0495	2	No

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.006	-0.007	-0.006	-0.008	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.017	1	-0.018	1	9999	Si
45	-0.01	-0.012	-0.01	-0.013	-0.01	-0.011	-0.01	-0.012	-0.01	-0.011	-0.028	1	-0.029	1	9999	Si
68	-0.013	-0.015	-0.013	-0.016	-0.013	-0.014	-0.013	-0.014	-0.013	-0.013	-0.034	1	-0.036	1	9999	Si
91	-0.014	-0.016	-0.014	-0.017	-0.014	-0.015	-0.014	-0.016	-0.014	-0.015	-0.037	1	-0.039	1	9261	Si
102	-0.014	-0.016	-0.014	-0.018	-0.014	-0.015	-0.014	-0.016	-0.014	-0.015	-0.037	1	-0.039	1	9149	Si
125	-0.014	-0.016	-0.014	-0.017	-0.014	-0.015	-0.014	-0.015	-0.014	-0.014	-0.036	1	-0.038	1	9352	Si
147	-0.013	-0.015	-0.013	-0.016	-0.013	-0.014	-0.013	-0.014	-0.013	-0.013	-0.034	1	-0.036	1	9999	Si
170	-0.011	-0.013	-0.011	-0.014	-0.011	-0.012	-0.011	-0.013	-0.011	-0.012	-0.03	1	-0.032	1	9999	Si
193	-0.009	-0.011	-0.009	-0.012	-0.009	-0.01	-0.01	-0.011	-0.009	-0.01	-0.025	1	-0.027	1	9999	Si
215	-0.007	-0.009	-0.008	-0.01	-0.007	-0.008	-0.008	-0.009	-0.007	-0.008	-0.02	1	-0.021	1	9999	Si
238	-0.005	-0.006	-0.006	-0.008	-0.005	-0.006	-0.006	-0.007	-0.005	-0.005	-0.015	1	-0.016	1	9999	Si
261	-0.003	-0.004	-0.004	-0.005	-0.003	-0.004	-0.004	-0.005	-0.003	-0.004	-0.01	1	-0.011	1	9999	Si
272	-0.002	-0.003	-0.003	-0.004	-0.002	-0.003	-0.003	-0.004	-0.002	-0.003	-0.008	1	-0.009	1	9999	Si
295	-0.001	-0.002	-0.002	-0.003	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.004	1	-0.005	1	9999	Si
317	0	-0.001	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.002	1	-0.002	1	9999	Si

Campata 3 tra i fili 9 - 2, sezione R 45x70, asta 938

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4						-300239	LU 12	-256933	-971252	0.079	Si
23	7.6	5.4	15.21	5.4						-216190	LU 12	-216190	-971252	0.079	Si
46	7.6	5.4	15.31	5.4	-64747	LU 1	4662	1885487	0.093	-133882	LU 12	-216190	-971258	0.079	Si
69	7.6	5.4	13.19	5.4	-10030	LU 1	68948	1634798	0.087	-58827	LU 12	-154762	-971053	0.078	Si
92	7.6	5.4	13.66	5.4	52677	LU 10	127820	1689679	0.089	-1343	LU 3	-78277	-971103	0.079	Si
104	7.6	5.4	11.4	5.4	83504	LU 10	155224	1422093	0.084	24332	LU 3	-42711	-970824	0.078	Si
127	7.6	5.4	11.4	5.4	141097	LU 10	205972	1422093	0.084						Si
150	7.6	5.4	11.4	5.4	193274	LU 10	251304	1422093	0.084						Si
173	7.6	5.4	11.4	5.4	240035	LU 10	291220	1422093	0.084						Si
196	7.6	5.4	11.4	5.4	281381	LU 10	325721	1422093	0.084						Si
219	7.6	5.4	11.4	5.4	317311	LU 10	354806	1422093	0.084						Si
242	11.84	5.4	11.4	5.4	347825	LU 10	378476	1422094	0.084						Si
253	12.93	5.4	11.4	5.4	361051	LU 10	388279	1422094	0.084						Si
276	15.1	5.4	11.4	5.4	383442	LU 10	403825	1422107	0.084						Si
299	15.21	5.4	11.4	5.4	400417	LU 10	412140	1422107	0.084						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
323	15.21	5.4	11.4	5.4	412140	LU 10	412140	1422107	0.084						Si
345	15.21	5.4	11.4	5.4	420380	LU 11	416744	1422107	0.084						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3853	LU 11	3853	9541	76908	0	9541	1	Si
23	0.144	7.6	0	3622	LU 11	3622	9541	76908	16673	16673	1	Si
46	0.144	7.6	0	3382	LU 11	3382	9541	76908	16673	16673	1	Si
69	0.144	7.6	0	3146	LU 11	3146	9541	76908	16673	16673	1	Si
92	0.144	11.4	0	2911	LU 11	2911	10922	76908	16673	16673	1	Si
104	0.132	11.4	0	2793	LU 11	2793	10922	76908	15318	15318	1	Si
127	0.132	10.87	0	2558	LU 11	2558	10749	76908	15318	15318	1	Si
150	0.132	11.4	0	2322	LU 11	2322	10922	76908	15318	15318	1	Si
173	0.132	11.4	0	2087	LU 11	2087	10922	76908	15318	15318	1	Si
196	0.132	11.4	0	1851	LU 11	1851	10922	76908	15318	15318	1	Si
219	0.132	11.4	0	1616	LU 11	1616	10922	76908	15318	15318	1	Si
242	0.132	11.4	0	1380	LU 11	1380	10922	76908	15318	15318	1	Si
253	0.129	11.4	0	1263	LU 11	1263	10922	76908	15005	15005	1	Si
276	0.129	11.4	0	1027	LU 11	1027	10922	76908	15005	15005	1	Si
299	0.129	11.4	0	792	LU 11	792	10922	76908	15005	15005	1	Si
323	0.129	11.4	0	551	LU 11	551	10922	76908	15005	15005	1	Si
345	0	11.4	0	321	LU 11	321	10922	76908	0	10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-225050	3	-191934	4.1	124.5	65.4	1837	-198046	2	-165825	6.3	93.4	0	+∞	Si
23	-160790	3	-160790	3.5	124.5	54.8	1837	-135575	2	-135575	5.2	93.4	0	+∞	Si
46	-97887	3	-160790	3.5	124.5	54.8	1837	-74539	2	-135575	5.2	93.4	0	+∞	Si
69	-40555	3	-113843	2.5	124.5	39.2	1837	-19035	2	-90012	3.5	93.4	0	+∞	Si
92	40521	1	98323	3.3	124.5	123.1	1837	40521	1	98323	3.3	93.4	0	+∞	Si
104	64234	1	119403	4.3	124.5	177.8	1837	64234	1	119403	4.3	93.4	0	+∞	Si
127	108536	1	158440	5.8	124.5	235.9	1837	108536	1	158440	5.8	93.4	0	+∞	Si
150	148672	1	193311	7	124.5	287.8	1837	148672	1	193311	7	93.4	0	+∞	Si
173	184642	1	224016	8.1	124.5	333.5	1837	184642	1	224016	8.1	93.4	0	+∞	Si
196	216447	1	250555	9.1	124.5	373.1	1837	216447	1	250555	9.1	93.4	0	+∞	Si
219	244085	1	272928	9.9	124.5	406.4	1837	244085	1	272928	9.9	93.4	0	+∞	Si
242	267558	1	291135	10	124.5	432	1837	267558	1	291135	10	93.4	0	+∞	Si
253	277732	1	298676	10.1	124.5	442.9	1837	277732	1	298676	10.1	93.4	0	+∞	Si
276	294955	1	310635	10.2	124.5	460	1837	294955	1	310635	10.2	93.4	0	+∞	Si
299	308013	1	317031	10.4	124.5	469.4	1837	308013	1	317031	10.4	93.4	0	+∞	Si
323	317031	1	317031	10.4	124.5	469.4	1837	317031	1	317031	10.4	93.4	0	+∞	Si
345	323137	2	320538	10.5	124.5	474.6	1837	322083	2	320383	10.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.001	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
46	0.002	0.001	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
69	0.003	0.002	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
92	0.004	0.003	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	1	0.008	1	9999	Si
104	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.004	0.005	0.004	0.01	1	0.009	1	9999	Si
127	0.005	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	1	0.012	1	9999	Si
150	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.014	1	0.013	1	9999	Si
173	0.007	0.006	0.006	0.005	0.007	0.007	0.006	0.006	0.007	0.007	0.015	1	0.015	1	9999	Si
196	0.007	0.006	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	1	0.015	1	9999	Si
207	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	1	0.015	1	9999	Si
219	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	1	0.015	1	9999	Si
242	0.007	0.006	0.006	0.005	0.007	0.007	0.006	0.006	0.007	0.007	0.015	1	0.015	1	9999	Si
253	0.006	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	1	0.014	1	9999	Si
276	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.005	0.006	0.005	0.012	1	0.012	1	9999	Si
299	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	1	0.009	1	9999	Si
323	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si

Trave a "Piano 1" 44-9A

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 44 - 21, sezione R 45x70, asta 934

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4						-378146	LU 12	-193489	-1873055	0.09	Si
28	15.21	5.4	11.4	5.4	80261	LU 10	312866	1422107	0.084	-43798	LU 3	-43798	-1873055	0.09	Si
47	15.21	5.4	11.4	5.4	242283	LU 10	518778	1422107	0.084	151625	LU 9	-43798	-1873055	0.09	Si
95	10.97	5.4	11.4	5.4	693182	LU 11	931311	1422094	0.084						Si
142	7.6	5.4	11.4	5.4	1063912	LU 11	1235507	1422093	0.084						Si
189	7.6	5.4	11.4	5.4	1326304	LU 11	1431365	1422093	0.084						No
213	7.6	5.4	11.4	5.4	1416873	LU 11	1488667	1422093	0.084						No
260	7.6	5.4	11.4	5.4	1516759	LU 11	1526075	1422093	0.084						No
308	7.6	5.4	11.4	5.4	1508307	LU 11	1526075	1422093	0.084						No
355	7.6	5.4	11.4	5.4	1391518	LU 11	1473693	1422093	0.084						No
402	7.6	5.4	11.4	5.4	1166391	LU 11	1341082	1422093	0.084						Si
450	7.6	5.4	11.4	5.4	832926	LU 11	1101614	1422093	0.084						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
497	7.6	5.4	11.4	5.4	391125	LU 11	699639	1422093	0.084	116872	LU 4	-101203	-970824	0.078	Si
544	7.6	5.4	11.4	5.4	-95752	LU 3	190242	1422093	0.084	-272987	LU 10	-575243	-970824	0.078	Si
568	7.6	5.4	11.4	5.4						-515389	LU 10	-901920	-970824	0.078	Si
592	7.6	5.4	11.4	5.4						-817492	LU 11	-1277968	-970824	0.078	No
615	14.06	5.4	11.4	5.4						-1187357	LU 11	-1681100	-1737240	0.088	Si
663	19.01	5.4	11.4	5.4						-2008340	LU 11	-2483047	-2323557	0.097	No
688	19.01	5.4	11.4	5.4						-2483047	LU 11	-2483047	-2323557	0.097	No
710	19.01	5.4	11.4	5.4						-2937661	LU 11	-2704552	-2323557	0.097	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.21	0	13563	LU 12	13563	11469	76908	0	11469	1	Si
28	0.144	10.97	0	12234	LU 12	12234	10783	76908	16673	16673	1	Si
47	0.144	11.4	0	11275	LU 12	11275	10922	76908	16673	16673	1	Si
95	0.144	11.4	0	8986	LU 12	8986	10922	76908	16673	16673	1	Si
142	0.166	11.4	0	6697	LU 12	6697	10922	76908	19301	19301	1	Si
189	0.166	11.4	0	4408	LU 12	4408	10922	76908	19301	19301	1	Si
213	0.166	11.4	0	3264	LU 12	3264	10922	76908	19301	19301	1	Si
260	0.166	11.4	0	975	LU 12	975	10922	76908	19301	19301	1	Si
308	0.166	11.4	0	-1455	LU 10	-1455	-10922	-76908	-19301	-19301	1	Si
355	0.166	11.4	0	-3612	LU 11	-3612	-10922	-76908	-19301	-19301	1	Si
402	0.166	11.4	0	-5900	LU 11	-5900	-10922	-76908	-19301	-19301	1	Si
450	0.166	11.4	0	-8189	LU 11	-8189	-10922	-76908	-19301	-19301	1	Si
497	0.166	11.4	0	-10478	LU 11	-10478	-10922	-76908	-19301	-19301	1	Si
544	0.166	7.6	0	-12767	LU 11	-12767	-9541	-76908	-19301	-19301	1	Si
568	0.166	7.6	0	-13911	LU 11	-13911	-9541	-76908	-19301	-19301	1	Si
615	0.166	7.6	0	-16200	LU 11	-16200	-9541	-76908	-19301	-19301	1	Si
663	0.215	7.6	0	-18489	LU 11	-18489	-9541	-76908	-25009	-25009	1	Si
688	0.215	14.06	0	-19689	LU 11	-19689	-11711	-76908	-25009	-25009	1	Si
710	0	17.41	0	-20777	LU 11	-20777	-12575	-76908	0	-12575	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-268937	3	-132679	4.1	124.5	149.2	1837	-168114	2	-58214	1.8	93.4	0	+∞	Si
28	61739	1	240371	7.9	124.5	355.9	1837	61739	1	239030	7.8	93.4	0	+∞	Si
28	-8619	3	-8619	0.3	124.5	9.7	1837								Si
47	186372	1	392097	12.9	124.5	580.6	1837	186372	1	360419	11.8	93.4	0	+∞	Si
95	520534	2	695692	24.1	124.5	1033	1837	462827	2	601505	20.8	93.4	0	+∞	Si
142	793125	2	918937	33.4	124.5	1368.2	1837	678151	2	775827	28.2	93.4	0	+∞	Si
189	985365	2	1061831	38.5	124.5	1581	1837	826711	2	883385	32.1	93.4	0	+∞	Si
213	1051353	2	1103146	40	124.5	1642.5	1837	875954	2	912127	33.1	93.4	0	+∞	Si
260	1123067	2	1128793	41	124.5	1680.7	1837	924368	2	924368	33.6	93.4	0	+∞	Si
308	1114431	2	1128793	41	124.5	1680.7	1837	906018	2	923728	33.5	93.4	0	+∞	Si
355	1025444	2	1087845	39.5	124.5	1619.7	1837	820903	2	879615	31.9	93.4	0	+∞	Si
402	856107	2	967854	35.1	124.5	1441	1837	669025	2	768739	27.9	93.4	0	+∞	Si
450	606419	2	767512	27.9	124.5	1142.8	1837	450382	2	591099	21.5	93.4	0	+∞	Si
497	276380	2	486819	17.7	124.5	724.8	1837	164975	2	346694	12.6	93.4	0	+∞	Si
544	-209990	1	-442495	9.9	124.5	153.4	1837	-209990	1	-442495	17.8	93.4	0	+∞	Si
568	-396453	1	-687636	15.5	124.5	238.5	1837	-396453	1	-659661	26.5	93.4	0	+∞	Si
615	-900249	2	-1267897	40.6	124.5	1537.5	1837	-840635	2	-1152980	36.9	93.4	0	+∞	Si
663	-1511515	2	-1864832	53.9	124.5	1692.5	1837	-1359716	2	-1659154	48	93.4	0	+∞	Si
688	-1864832	2	-1864832	53.9	124.5	1692.5	1837	-1659154	2	-1659154	48	93.4	0	+∞	Si
710	-2203130	2	-2029678	58.7	124.5	1842.1	1837	-1945561	2	-1798782	52	93.4	0	+∞	No

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
189	inferiore	54.5	0.00046	0.0251	2	54.5	0.00041	0.0221	2	54.5	0.00038	0.0209	2	Si
213	inferiore	54.5	0.00048	0.0261	2	54.5	0.00042	0.0228	2	54.5	0.0004	0.0215	2	Si
260	inferiore	54.5	0.00049	0.0267	2	54.5	0.00043	0.0232	2	54.5	0.0004	0.0218	2	Si
308	inferiore	54.5	0.00049	0.0267	2	54.5	0.00043	0.0232	2	54.5	0.0004	0.0218	2	Si
355	inferiore	54.5	0.00047	0.0257	2	54.5	0.00041	0.0222	2	54.5	0.00038	0.0208	2	Si
615	superiore	46.9	0.00045	0.021	2	46.9	0.00044	0.0207	2	46.9	0.00042	0.0198	2	Si
663	superiore	38.5	0.00051	0.0197	2	38.5	0.00055	0.0212	2	38.5	0.00052	0.0202	2	Si
688	superiore	38.5	0.00051	0.0197	2	38.5	0.00055	0.0212	2	38.5	0.00052	0.0202	2	Si
710	superiore	38.5	0.00058	0.0225	2	38.5	0.00061	0.0237	2	38.5	0.00059	0.0226	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
28	0.016	0.012	0.015	0.011	0.014	0.012	0.012	0.011	0.013	0.012	0.03	2	0.027	2	9999	Si
47	0.028	0.021	0.026	0.018	0.025	0.021	0.021	0.018	0.023	0.021	0.052	2	0.047	2	9999	Si
95	0.056	0.041	0.052	0.035	0.048	0.041	0.042	0.036	0.045	0.041	0.101	2	0.091	2	7008	Si
142	0.08	0.058	0.074	0.05	0.069	0.058	0.06	0.051	0.065	0.058	0.145	2	0.13	2	4912	Si
189	0.099	0.072	0.092	0.062	0.086	0.072	0.074	0.062	0.08	0.072	0.178	2	0.16	2	3983	Si
213	0.107	0.077	0.1	0.066	0.092	0.077	0.079	0.066	0.086	0.077	0.191	2	0.171	2	3720	Si
260	0.117	0.083	0.109	0.071	0.1	0.083	0.086	0.072	0.093	0.083	0.207	2	0.184	2	3435	Si
284	0.119	0.084	0.111	0.072	0.102	0.084	0.087	0.072	0.095	0.084	0.21	2	0.187	2	3385	Si
308	0.12	0.084	0.111	0.072	0.102	0.084	0.087	0.072	0.095	0.084	0.21	2	0.186	2	3389	Si
355	0.116	0.08	0.106	0.068	0.098	0.08	0.083	0.068	0.091	0.08	0.2	2	0.176	2	3557	Si
402	0.105	0.071	0.096	0.06	0.088	0.072	0.075	0.06	0.082	0.072	0.178	2	0.156	2	3985	Si
450	0.09	0.059	0.08	0.049	0.074	0.059	0.062	0.049	0.068	0.059	0.147	2	0.127	2	4818	Si
497	0.07	0.044	0.061	0.036	0.057	0.045	0.046	0.036	0.052	0.045	0.11	2	0.094	2	6439	Si
544	0.049	0.029	0.041	0.022	0.039	0.029	0.03	0.022	0.035	0.029	0.071	2	0.058	2	9999	Si
568	0.038	0.022	0.031	0.016	0.03	0.022	0.022	0.016	0.027	0.022	0.052	2	0.041	2	9999	Si
615	0.019	0.009	0.013	0.005	0.014	0.009	0.008	0.005	0.012	0.009	0.019	2	0.013	2	9999	Si
663	0.005	0	0	-0.002	0.003	0.001	-0.001	-0.002	0.002	0.001	-0.003	2	-0.005	2	9999	Si
688	0.001	-0.001	-0.002	-0.003	0	-0.001	-0.003	-0.003	0	-0.001	-0.005	2	-0.006	2	9999	Si

Campata 2 tra i fili 21 - 9A, sezione R 45x70, asta 935

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-2489160	LU 11	-2299023	-2323557	0.097	Si
23	19.01	5.4	11.4	5.4						-2121079	LU 11	-2121079	-2323557	0.097	Si
45	18.93	5.4	11.4	5.4						-1772480	LU 11	-2121079	-2314368	0.097	Si
68	15.72	5.4	11.4	5.4						-1451403	LU 11	-1868448	-1934606	0.091	Si
91	12.52	5.4	11.4	5.4	-762358	LU 8	76399	1422094	0.084	-1155169	LU 11	-1540353	-1554423	0.085	Si
102	7.6	5.4	11.4	5.4	-672889	LU 8	136952	1422093	0.084	-1016368	LU 11	-1385622	-970824	0.078	No
125	7.6	5.4	11.4	5.4	-504431	LU 8	230111	1422093	0.084	-757397	LU 11	-1094791	-970824	0.078	No

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
147	7.6	5.4	11.4	5.4	-349948	LU 8	286006	1422093	0.084	-523268	LU 11	-828802	-970824	0.078	Si
170	7.6	5.4	11.4	5.4	-209439	LU 8	304637	1422093	0.084	-313982	LU 11	-587655	-970824	0.078	Si
193	7.6	5.4	11.4	5.4	-82904	LU 8	286005	1422093	0.084	-129537	LU 11	-371351	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	37263	LU 17	230110	1422093	0.084	22458	LU 2	-179888	-970824	0.078	Si
238	7.6	5.4	11.4	5.4	166857	LU 18	305430	1422093	0.084	125842	LU 1	-13269	-970824	0.078	Si
249	7.6	5.4	11.4	5.4	224616	LU 14	351953	1422093	0.084						Si
272	7.6	5.4	12.93	5.4	326784	LU 13	431375	1602850	0.087						Si
295	7.6	5.4	14.45	5.4	411337	LU 13	478147	1784076	0.09						Si
318	7.6	5.4	15.21	5.4	478147	LU 10	478147	1873491	0.092						Si
340	7.6	5.4	15.21	5.4	525916	LU 10	506852	1873491	0.092						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.72	0	16905	LU 11	16905	12156	76908	0	12156	1	Si
11	0	14.12	0	16357	LU 11	16357	11728	76908	0	11728	1	Si
23	0.187	12.52	0	15817	LU 11	15817	11267	76908	21675	21675	1	Si
45	0.187	7.6	0	14713	LU 11	14713	9541	76908	21675	21675	1	Si
68	0.187	7.6	0	13617	LU 11	13617	9541	76908	21675	21675	1	Si
91	0.187	7.6	0	12521	LU 11	12521	9541	76908	21675	21675	1	Si
102	0.156	7.6	0	11973	LU 11	11973	9541	76908	18071	18071	1	Si
125	0.156	7.6	0	10877	LU 11	10877	9541	76908	18071	18071	1	Si
147	0.156	7.6	0	9781	LU 11	9781	9541	76908	18071	18071	1	Si
170	0.156	7.6	0	8685	LU 11	8685	9541	76908	18071	18071	1	Si
193	0.156	7.6	0	7589	LU 11	7589	9541	76908	18071	18071	1	Si
215	0.156	11.4	0	6493	LU 11	6493	10922	76908	18071	18071	1	Si
238	0.156	11.4	0	5397	LU 11	5397	10922	76908	18071	18071	1	Si
249	0.115	11.4	0	4962	LU 10	4962	10922	76908	13338	13338	1	Si
272	0.115	11.4	0	4160	LU 10	4160	10922	76908	13338	13338	1	Si
295	0.115	11.4	0	3359	LU 10	3359	10922	76908	13338	13338	1	Si
318	0.115	11.4	0	2552	LU 10	2552	10922	76908	13338	13338	1	Si
340	0	12.93	0	1611	LU 10	1611	11387	76908	0	11387	1	Si
340	0	12.93	0	-134	LU 3	-134	-11387	-76908	0	-11387	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1876272	2	-1733619	50.1	124.5	1573.4	1837	-1701249	2	-1575009	45.5	93.4	0	+∞	Si
23	-1600011	2	-1600011	46.3	124.5	1452.2	1837	-1456284	2	-1456284	42.1	93.4	0	+∞	Si
45	-1338151	2	-1600011	46.3	124.5	1457.8	1837	-1223056	2	-1456284	42.2	93.4	0	+∞	Si
68	-1096727	2	-1410256	43.4	124.5	1535.5	1837	-1006923	2	-1287357	39.6	93.4	0	+∞	Si
91	-873728	2	-1163628	38.8	124.5	1578.3	1837	-806100	2	-1066899	35.6	93.4	0	+∞	Si
102	-769138	2	-1047223	42	124.5	2304.2	1837	-711429	2	-962412	38.6	93.4	0	+∞	No
125	-573776	2	-828232	18.6	124.5	287.2	1837	-533570	2	-764918	30.7	93.4	0	+∞	Si
147	-396839	2	-627665	14.1	124.5	217.7	1837	-371020	2	-582734	23.4	93.4	0	+∞	Si
170	-238327	2	-445523	10	124.5	154.5	1837	-223779	2	-415859	16.7	93.4	0	+∞	Si
193	-98239	2	-281805	6.3	124.5	97.7	1837	-91847	2	-264293	10.6	93.4	0	+∞	Si
215	28223	8	153132	5.6	124.5	228	1837	25354	1	151465	5.5	93.4	0	+∞	Si
238	128017	9	234798	8.5	124.5	349.6	1837	126088	2	233835	8.5	93.4	0	+∞	Si
249	172523	5	270619	9.8	124.5	402.9	1837	171003	2	269878	9.8	93.4	0	+∞	Si
272	251239	4	331781	11.5	124.5	437.9	1837	250372	1	331483	11.5	93.4	0	+∞	Si
295	316348	4	367806	12.3	124.5	436.1	1837	315925	1	367806	12.3	93.4	0	+∞	Si
318	367806	1	367806	12.1	124.5	415.3	1837	367806	1	367806	12.1	93.4	0	+∞	Si
340	404551	1	389886	12.8	124.5	440.2	1837	404551	1	389886	12.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	38.5	0.00046	0.0177	2	38.5	0.00051	0.0195	2	38.5	0.00049	0.0188	2	Si
23	superiore	38.5	0.00042	0.0163	2	38.5	0.00045	0.0175	2	38.5	0.00044	0.0168	2	Si
45	superiore	38.6	0.00042	0.0164	2	38.6	0.00046	0.0176	2	38.6	0.00044	0.0169	2	Si
68	superiore	43.5	0.00045	0.0195	2	43.5	0.00046	0.0202	2	43.5	0.00044	0.0193	2	Si
91	superiore	50.9	0.00046	0.0234	2	50.9	0.00044	0.0225	2	50.9	0.00042	0.0215	2	Si
102	superiore	74.4	0.00067	0.0499	2	74.4	0.00064	0.0473	2	74.4	0.00062	0.0459	2	No

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.006	-0.007	-0.006	-0.008	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.016	1	-0.017	1	9999	Si
45	-0.01	-0.011	-0.01	-0.012	-0.01	-0.01	-0.01	-0.011	-0.01	-0.01	-0.026	1	-0.028	1	9999	Si
68	-0.012	-0.014	-0.012	-0.015	-0.012	-0.013	-0.012	-0.013	-0.012	-0.012	-0.031	1	-0.034	1	9999	Si
91	-0.013	-0.015	-0.013	-0.016	-0.013	-0.014	-0.013	-0.014	-0.013	-0.014	-0.034	1	-0.036	1	9999	Si
102	-0.013	-0.015	-0.013	-0.016	-0.013	-0.014	-0.013	-0.015	-0.013	-0.014	-0.034	1	-0.037	1	9999	Si
125	-0.012	-0.014	-0.013	-0.015	-0.013	-0.013	-0.013	-0.014	-0.013	-0.013	-0.033	1	-0.036	1	9999	Si
147	-0.011	-0.013	-0.012	-0.014	-0.011	-0.012	-0.012	-0.013	-0.012	-0.012	-0.03	1	-0.033	1	9999	Si
170	-0.01	-0.011	-0.01	-0.013	-0.01	-0.011	-0.01	-0.011	-0.01	-0.01	-0.027	1	-0.029	1	9999	Si
193	-0.008	-0.009	-0.008	-0.011	-0.008	-0.009	-0.009	-0.01	-0.008	-0.008	-0.022	1	-0.024	1	9999	Si
215	-0.006	-0.007	-0.007	-0.008	-0.006	-0.007	-0.007	-0.008	-0.006	-0.006	-0.017	1	-0.019	1	9999	Si
238	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.004	-0.004	-0.013	1	-0.014	1	9999	Si
249	-0.003	-0.004	-0.004	-0.005	-0.003	-0.004	-0.004	-0.005	-0.003	-0.004	-0.01	1	-0.012	1	9999	Si
272	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.006	1	-0.007	1	9999	Si
295	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.003	1	-0.004	1	9999	Si
318	0	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	1	-0.001	1	9999	Si

Trave a "Piano 1" 45-11

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 45 - 35, sezione R 45x70, asta 930

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	5.4	625701	LU 12	625701	2772667	0.095						Si
19	22.81	5.4	22.81	5.4	633204	LU 12	633204	2772667	0.095						Si
28	22.81	5.4	22.81	5.4	630510	LU 12	630510	2772667	0.095						Si
37	22.81	5.4	22.81	5.4	623318	LU 12	630510	2772667	0.095						Si
56	22	5.4	22.81	5.4	596297	LU 11	630510	2772664	0.095						Si
65	20.69	5.4	22.81	5.4	576324	LU 11	624332	2772771	0.096						Si
83	18.08	5.4	22.81	5.4	523336	LU 11	598524	2772972	0.098						Si
102	11.4	5.4	22.81	5.4	452959	LU 11	555469	2773209	0.105						Si
120	11.4	5.4	22.81	5.4	365193	LU 11	495026	2773209	0.105						Si
139	11.4	5.4	22.81	5.4	260039	LU 11	417193	2773209	0.105						Si
157	11.4	5.4	22.81	5.4	137496	LU 11	321973	2773209	0.105	74473	LU 4	-95910	-1422107	0.084	Si
176	11.4	5.4	22.81	5.4	8402	LU 7	209363	2773209	0.105	-21216	LU 13	-260928	-1422107	0.084	Si
194	23.33	5.7	22.81	5.4	-97605	LU 6	90310	2788908	0.098	-162778	LU 12	-445939	-2818844	0.096	Si
204	25.95	5.8	22.81	5.4	-149548	LU 6	48806	2792181	0.097	-248144	LU 12	-544965	-3124863	0.099	Si
222	31.18	5.8	22.81	5.4						-431916	LU 12	-756060	-3736752	0.106	Si
241	34.21	5.8	22.81	5.4						-633077	LU 12	-803450	-4090733	0.11	Si
255	34.21	5.8	22.81	5.4						-803450	LU 12	-803450	-4090733	0.11	Si
259	34.21	5.8	22.81	5.4						-851626	LU 12	-847461	-4090733	0.11	Si
278	34.21	5.8	22.81	5.4						-1087565	LU 12	-939345	-4090733	0.11	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	953	LU 2	953	13760	76908	0	13760	1	Si
0	0	22.81	0	-290	LU 13	-290	-13760	-76908	0	-13760	1	Si
19	0	22.81	0	171	LU 2	171	13760	76908	0	13760	1	Si
19	0	22.81	0	-975	LU 13	-975	-13760	-76908	0	-13760	1	Si
28	0.23	22.81	0	-1308	LU 13	-1308	-13760	-76908	-26676	-26676	1	Si
37	0.23	22.81	0	-1659	LU 13	-1659	-13760	-76908	-26676	-26676	1	Si
56	0.23	22.81	0	-2344	LU 13	-2344	-13760	-76908	-26676	-26676	1	Si
65	0.23	22.81	0	-2687	LU 13	-2687	-13760	-76908	-26676	-26676	1	Si
83	0.23	22.81	0	-3373	LU 14	-3373	-13760	-76908	-26676	-26676	1	Si
102	0.264	22.81	0	-4294	LU 12	-4294	-13760	-76908	-30672	-30672	1	Si
120	0.264	22.81	0	-5234	LU 12	-5234	-13760	-76908	-30672	-30672	1	Si
139	0.264	22.81	0	-6174	LU 12	-6174	-13760	-76908	-30672	-30672	1	Si
157	0.264	22.81	0	-7113	LU 12	-7113	-13760	-76908	-30672	-30672	1	Si
176	0.264	11.4	0	-8053	LU 12	-8053	-10922	-76908	-30672	-30672	1	Si
194	0.302	11.4	0	-8993	LU 12	-8993	-10894	-76503	-34828	-34828	1	Si
204	0.302	11.4	0	-9463	LU 12	-9463	-10891	-76463	-34810	-34810	1	Si
222	0.302	11.4	0	-10403	LU 12	-10403	-10887	-76405	-34784	-34784	1	Si
241	0.302	11.4	0	-11343	LU 12	-11343	-10885	-76379	-34772	-34772	1	Si
255	0.302	23.33	0	-12080	LU 12	-12080	-13819	-76379	-34772	-34772	1	Si
259	0	23.33	0	-12283	LU 12	-12283	-13819	-76379	0	-13819	1	Si
278	0	28.56	0	-13223	LU 12	-13223	-14783	-76379	0	-14783	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	478650	3	478650	11.4	124.5	360.5	1837	466384	2	466384	11.1	93.4	0	+∞	Si
19	482528	3	482528	11.5	124.5	363.5	1837	461722	2	461722	11	93.4	0	+∞	Si
28	479712	3	479712	11.4	124.5	361.3	1837	455555	2	455555	10.9	93.4	0	+∞	Si
37	473514	3	479712	11.4	124.5	361.3	1837	446370	2	455555	10.9	93.4	0	+∞	Si
56	451778	2	479712	11.5	124.5	361.6	1837	420326	2	455555	11	93.4	0	+∞	Si
65	436113	2	474386	11.6	124.5	358	1837	403295	2	447654	10.9	93.4	0	+∞	Si
83	395116	2	453551	11.4	124.5	343.1	1837	361216	2	422372	10.6	93.4	0	+∞	Si
102	341226	2	419918	11.5	124.5	320.1	1837	308446	2	386400	10.5	93.4	0	+∞	Si
120	274444	2	373392	10.2	124.5	284.6	1837	244985	2	339737	9.3	93.4	0	+∞	Si
139	194769	2	313975	8.6	124.5	239.4	1837	170833	2	282383	7.7	93.4	0	+∞	Si
157	102203	2	241665	6.6	124.5	184.2	1837	85991	2	214338	5.8	93.4	0	+∞	Si
176	1523	7	156464	4.3	124.5	119.3	1837								Si
176	-15775	4	-197352	5.9	124.5	291.2	1837	-12237	1	-181407	5.5	93.4	0	+∞	Si
194	-123621	3	-336205	8	124.5	251	1837	-115766	2	-304429	7.3	93.4	0	+∞	Si
204	-187753	3	-410466	9.5	124.5	277	1837	-172887	2	-369948	8.6	93.4	0	+∞	Si
222	-325688	3	-568657	12.5	124.5	322.5	1837	-295146	2	-509006	11.2	93.4	0	+∞	Si
241	-476514	3	-604150	12.9	124.5	313.9	1837	-428097	2	-540114	11.5	93.4	0	+∞	Si
255	-604150	3	-604150	12.9	124.5	313.9	1837	-540114	2	-540114	11.5	93.4	0	+∞	Si
259	-640233	3	-637113	13.6	124.5	331	1837	-571738	2	-568999	12.2	93.4	0	+∞	Si
278	-816844	3	-705928	15.1	124.5	366.8	1837	-726069	2	-629303	13.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
28	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.004	2	0.004	2	9999	Si
37	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
56	0.005	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
65	0.005	0.004	0.004	0.003	0.005	0.004	0.003	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
83	0.005	0.005	0.004	0.003	0.005	0.005	0.004	0.003	0.005	0.005	0.008	2	0.008	2	9999	Si
93	0.005	0.005	0.004	0.003	0.005	0.005	0.004	0.003	0.005	0.005	0.008	2	0.008	2	9999	Si
102	0.005	0.005	0.004	0.003	0.005	0.005	0.004	0.003	0.005	0.005	0.008	2	0.008	2	9999	Si
120	0.005	0.004	0.004	0.003	0.005	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
139	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.006	2	0.006	2	9999	Si
157	0.004	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
176	0.003	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
194	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
204	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
222	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
241	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
255	0	-0.001	0	-0.001	0	-0.001	0	0	0	0	-0.001	1	-0.001	1	9999	Si
259	0	-0.001	0	0	0	-0.001	0	0	0	-0.001	-0.001	1	-0.001	1	9999	Si

Campata 2 tra i fili 35 - 28, sezione R 45x70, asta 931

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	34.21	5.8	22.81	5.4						-410153	LU 12	-372608	-4090733	0.11	Si
12	34.21	5.8	22.81	5.4						-374070	LU 12	-365741	-4090733	0.11	Si
23	34.21	5.8	22.81	5.4						-347780	LU 12	-347780	-4090733	0.11	Si
36	34.21	5.8	22.81	5.4						-323243	LU 12	-347780	-4090733	0.11	Si
47	34.21	5.8	22.81	5.4	-136446	LU 6	10925	2803087	0.095	-308500	LU 12	-347780	-4090733	0.11	Si
53	34.21	5.8	22.81	5.4	-137729	LU 6	28264	2803087	0.095	-303795	LU 12	-344074	-4090733	0.11	Si
65	34.21	5.8	22.81	5.4	-143286	LU 6	54940	2803087	0.095	-299722	LU 12	-322526	-4090733	0.11	Si
77	34.21	5.8	22.81	5.4	-152830	LU 6	70945	2803087	0.095	-302763	LU 12	-340505	-4090733	0.11	Si
89	34.21	5.8	22.81	5.4	-166362	LU 6	76280	2803087	0.095	-312917	LU 12	-368155	-4090733	0.11	Si
101	34.21	5.8	22.81	5.4	-183881	LU 6	70945	2803087	0.095	-330184	LU 12	-403412	-4090733	0.11	Si
112	34.21	5.8	22.81	5.4	-205388	LU 6	54940	2803087	0.095	-354565	LU 12	-445782	-4090733	0.11	Si
124	34.21	5.8	22.81	5.4	-230581	LU 8	28264	2803087	0.095	-386360	LU 11	-495266	-4090733	0.11	Si
136	34.21	5.8	22.81	5.4						-425482	LU 11	-502938	-4090733	0.11	Si
142	34.21	5.8	22.81	5.4						-447711	LU 11	-502938	-4090733	0.11	Si
155	34.21	5.8	22.81	5.4						-502938	LU 11	-502938	-4090733	0.11	Si
166	34.21	5.8	22.81	5.4						-554409	LU 11	-540111	-4090733	0.11	Si
178	34.21	5.8	22.81	5.4						-618428	LU 11	-554324	-4090733	0.11	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	34.21	0	3350	LU 12	3350	15699	76379	0	15699	1	Si
12	0	34.21	0	2749	LU 12	2749	15699	76379	0	15699	1	Si
23	0.281	34.21	0	2207	LU 12	2207	15699	76379	32366	32366	1	Si
36	0.281	34.21	0	1546	LU 12	1546	15699	76379	32366	32366	1	Si
47	0.281	34.21	0	1010	LU 3	1010	15699	76379	32366	32366	1	Si
47	0.281	34.21	0	-280	LU 10	-280	-15699	-76379	-32366	-32366	1	Si
53	0.281	34.21	0	760	LU 3	760	15699	76379	32366	32366	1	Si
53	0.281	34.21	0	-499	LU 10	-499	-15699	-76379	-32366	-32366	1	Si
65	0.281	34.21	0	260	LU 3	260	15699	76379	32366	32366	1	Si
65	0.281	34.21	0	-937	LU 10	-937	-15699	-76379	-32366	-32366	1	Si
77	0.281	34.21	0	-1375	LU 10	-1375	-15699	-76379	-32366	-32366	1	Si
89	0.281	34.21	0	-1813	LU 10	-1813	-15699	-76379	-32366	-32366	1	Si
101	0.281	34.21	0	-2251	LU 10	-2251	-15699	-76379	-32366	-32366	1	Si
112	0.281	34.21	0	-2689	LU 10	-2689	-15699	-76379	-32366	-32366	1	Si
124	0.281	34.21	0	-3127	LU 10	-3127	-15699	-76379	-32366	-32366	1	Si
136	0.281	34.21	0	-3607	LU 11	-3607	-15699	-76379	-32366	-32366	1	Si
142	0.281	34.21	0	-3907	LU 11	-3907	-15699	-76379	-32366	-32366	1	Si
155	0.281	34.21	0	-4568	LU 11	-4568	-15699	-76379	-32366	-32366	1	Si
166	0	34.21	0	-5110	LU 11	-5110	-15699	-76379	0	-15699	1	Si
178	0	34.21	0	-5711	LU 11	-5711	-15699	-76379	0	-15699	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-296942	3	-270224	5.8	124.5	140.4	1837	-211472	2	-194691	4.2	93.4	0	+∞	Si
12	-271365	3	-265441	5.7	124.5	137.9	1837	-195917	2	-192212	4.1	93.4	0	+∞	Si
23	-252934	3	-252934	5.4	124.5	131.4	1837	-185729	2	-185729	4	93.4	0	+∞	Si
36	-236034	3	-252934	5.4	124.5	131.4	1837	-177926	2	-185729	4	93.4	0	+∞	Si
47	-226279	3	-252934	5.4	124.5	131.4	1837	-175491	2	-188120	4	93.4	0	+∞	Si
53	-223379	3	-250353	5.4	124.5	130.1	1837	-175913	2	-193915	4.1	93.4	0	+∞	Si
65	-221535	3	-239450	5.1	124.5	124.4	1837	-180038	2	-208783	4.5	93.4	0	+∞	Si
77	-224965	3	-255836	5.5	124.5	132.9	1837	-188536	2	-228025	4.9	93.4	0	+∞	Si
89	-233669	3	-277511	5.9	124.5	144.2	1837	-201408	2	-251641	5.4	93.4	0	+∞	Si
101	-247647	3	-304788	6.5	124.5	158.4	1837	-218653	2	-279630	6	93.4	0	+∞	Si
112	-266899	3	-337339	7.2	124.5	175.3	1837	-240272	2	-311992	6.7	93.4	0	+∞	Si
124	-291626	2	-375164	8	124.5	194.9	1837	-266264	2	-348728	7.5	93.4	0	+∞	Si
136	-321769	2	-381013	8.1	124.5	198	1837	-296629	2	-354341	7.6	93.4	0	+∞	Si
142	-338818	2	-381013	8.1	124.5	198	1837	-313452	2	-354341	7.6	93.4	0	+∞	Si
155	-381013	2	-381013	8.1	124.5	198	1837	-354341	2	-354341	7.6	93.4	0	+∞	Si
166	-420199	2	-409356	8.8	124.5	212.7	1837	-391676	2	-381537	8.2	93.4	0	+∞	Si
178	-468801	2	-420193	9	124.5	218.3	1837	-437348	2	-391935	8.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	0	-0.001	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
36	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
47	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
53	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	1	-0.003	1	9999	Si
65	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
77	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
89	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
95	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
101	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
112	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
124	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
136	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
142	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.003	1	-0.003	1	9999	Si
155	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
166	-0.001	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si

Campata 3 tra i fili 28 - 22, sezione R 45x70, asta 932

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	34.21	5.8	22.81	5.4						-302431	LU 12	-252270	-4090733	0.11	Si
18	34.21	5.8	22.81	5.4						-230817	LU 12	-228970	-4090733	0.11	Si
23	34.21	5.8	22.81	5.4						-214477	LU 12	-214477	-4090733	0.11	Si
35	34.21	5.8	22.81	5.4						-175057	LU 12	-214477	-4090733	0.11	Si
53	34.21	5.8	22.81	5.4						-135182	LU 11	-209643	-4090733	0.11	Si
71	34.21	5.8	22.81	5.4	-69576	LU 9	44961	2803087	0.095	-115374	LU 10	-159505	-4090733	0.11	Si
79	34.21	5.8	22.81	5.4	-67876	LU 9	81926	2803087	0.095	-122449	LU 10	-166424	-4090733	0.11	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
97	34.21	5.8	22.81	5.4	-71238	LU 3	138018	2803087	0.095	-145264	LU 10	-208251	-4090733	0.11	Si
115	34.21	5.8	22.81	5.4	-78897	LU 3	170327	2803087	0.095	-179633	LU 10	-262993	-4090733	0.11	Si
132	34.21	5.8	22.81	5.4	-99744	LU 3	178853	2803087	0.095	-225556	LU 10	-332139	-4090733	0.11	Si
150	34.21	5.8	22.81	5.4	-133781	LU 3	163596	2803087	0.095	-285887	LU 15	-412839	-4090733	0.11	Si
168	41.43	6.5	22.81	5.4	-181006	LU 3	124556	2861260	0.102	-359130	LU 15	-505093	-4879226	0.138	Si
185	44.76	6.7	22.81	5.4	-241421	LU 3	61733	2887831	0.105	-443926	LU 15	-608901	-5231365	0.164	Si
203	48.09	6.9	22.81	5.4						-540276	LU 15	-724264	-5575117	0.189	Si
212	49.42	6.9	22.81	5.4						-592784	LU 15	-726087	-5709937	0.199	Si
232	49.42	6.9	22.81	5.4						-726087	LU 15	-726087	-5709937	0.199	Si
247	49.42	6.9	22.81	5.4						-831701	LU 15	-804699	-5709937	0.199	Si
265	49.42	6.9	22.81	5.4						-968491	LU 15	-837671	-5709937	0.199	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	34.21	0	4502	LU 12	4502	15699	76379	0	15699	1	Si
18	0	34.21	0	3605	LU 12	3605	15699	76379	0	15699	1	Si
23	0.34	34.21	0	3359	LU 12	3359	15699	76379	39187	39187	1	Si
35	0.34	34.21	0	2707	LU 12	2707	15699	76379	39187	39187	1	Si
53	0.34	34.21	0	1810	LU 12	1810	15699	76379	39187	39187	1	Si
53	0.34	34.21	0	-226	LU 6	-226	-15699	-76379	-39187	-39187	1	Si
71	0.34	34.21	0	1060	LU 3	1060	15699	76379	39187	39187	1	Si
71	0.34	34.21	0	-876	LU 15	-876	-15699	-76379	-39187	-39187	1	Si
79	0.34	34.21	0	686	LU 3	686	15699	76379	39187	39187	1	Si
79	0.34	34.21	0	-1203	LU 15	-1203	-15699	-76379	-39187	-39187	1	Si
97	0.34	34.21	0	-1857	LU 15	-1857	-15699	-76379	-39187	-39187	1	Si
115	0.34	34.21	0	-2511	LU 15	-2511	-15699	-76379	-39187	-39187	1	Si
132	0.34	34.21	0	-3165	LU 15	-3165	-15699	-76379	-39187	-39187	1	Si
150	0.34	34.21	0	-3819	LU 15	-3819	-15699	-76379	-39187	-39187	1	Si
168	0.34	34.21	0	-4473	LU 15	-4473	-15625	-75642	-38809	-38809	1	Si
185	0.34	34.21	0	-5160	LU 16	-5160	-15599	-75382	-38676	-38676	1	Si
203	0.34	34.21	0	-5985	LU 16	-5985	-15576	-75158	-38561	-38561	1	Si
212	0.34	34.21	0	-6397	LU 16	-6397	-15568	-75077	-38519	-38519	1	Si
232	0.34	41.43	0	-7354	LU 16	-7354	-16593	-75077	-38519	-38519	1	Si
247	0	44.76	0	-8078	LU 11	-8078	-17027	-75077	0	-17027	1	Si
265	0	48.09	0	-8975	LU 11	-8975	-17439	-75077	0	-17439	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-218315	3	-182628	3.9	124.5	94.9	1837	-152979	2	-130515	2.8	93.4	0	+∞	Si
18	-167579	3	-166279	3.6	124.5	86.4	1837	-122101	2	-121353	2.6	93.4	0	+∞	Si
23	-156110	3	-156110	3.3	124.5	81.1	1837	-115654	2	-115654	2.5	93.4	0	+∞	Si
35	-128598	3	-156110	3.3	124.5	81.1	1837	-100971	2	-115654	2.5	93.4	0	+∞	Si
53	-101392	2	-152717	3.3	124.5	79.3	1837	-89589	2	-113746	1.8	93.4	0	+∞	Si
71	-88749	1	-117904	2.5	124.5	61.3	1837	-88749	1	-115264	2.5	93.4	0	+∞	Si
79	-94191	1	-128018	2.7	124.5	66.5	1837	-94191	1	-128018	2.7	93.4	0	+∞	Si
97	-111741	1	-160193	3.4	124.5	83.2	1837	-111741	1	-160193	3.4	93.4	0	+∞	Si
115	-138179	1	-202163	4.3	124.5	105	1837	-138179	1	-201255	4.3	93.4	0	+∞	Si
132	-173505	1	-254920	5.5	124.5	131.8	1837	-173505	1	-251205	5.4	93.4	0	+∞	Si
150	-219621	6	-316565	6.8	124.5	164.5	1837	-217718	1	-310043	6.6	93.4	0	+∞	Si
168	-275529	6	-387098	8	124.5	172.1	1837	-270819	1	-377769	7.8	93.4	0	+∞	Si
185	-340325	6	-466519	9.5	124.5	194.6	1837	-332808	1	-454382	9.2	93.4	0	+∞	Si
203	-414009	6	-554827	11.1	124.5	218.1	1837	-403684	1	-539883	10.8	93.4	0	+∞	Si
212	-454183	6	-556223	11.1	124.5	213.8	1837	-442455	1	-541238	10.8	93.4	0	+∞	Si
232	-556223	6	-556223	11.1	124.5	213.8	1837	-541238	1	-541238	10.8	93.4	0	+∞	Si
247	-637102	6	-616414	12.3	124.5	237	1837	-619759	1	-599609	12	93.4	0	+∞	Si
265	-741893	6	-641660	12.8	124.5	246.7	1837	-721743	1	-624092	11.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
35	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
53	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
71	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	2	-0.005	2	9999	Si
79	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
97	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.006	2	-0.007	2	9999	Si
115	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.007	2	-0.008	2	9999	Si
132	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
150	-0.004	-0.005	-0.003	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.008	2	-0.009	2	9999	Si
159	-0.004	-0.005	-0.003	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.008	2	-0.009	2	9999	Si
168	-0.004	-0.005	-0.003	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.008	2	-0.009	2	9999	Si
185	-0.004	-0.005	-0.003	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.008	2	-0.008	2	9999	Si
203	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.007	2	-0.007	2	9999	Si
212	-0.003	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.007	2	-0.007	2	9999	Si
232	-0.002	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	2	-0.005	2	9999	Si
247	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	2	-0.003	2	9999	Si

Campata 4 tra i fili 22 - 11, sezione R 45x70, asta 933

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	49.42	6.9	22.81	5.4						-1524408	LU 10	-1306722	-5709937	0.199	Si
21	49.42	6.9	22.81	5.4						-1246926	LU 10	-1221310	-5709937	0.199	Si
33	49.42	6.9	22.81	5.4						-1108493	LU 10	-1108493	-5709937	0.199	Si
43	49.42	6.9	22.81	5.4						-986292	LU 10	-1108493	-5709937	0.199	Si
64	47.68	6.8	22.81	5.4						-742506	LU 10	-1079285	-5533470	0.186	Si
85	43.66	6.6	22.81	5.4	-296170	LU 3	50022	2879182	0.104	-515568	LU 10	-829389	-5116024	0.155	Si
96	41.65	6.5	22.81	5.4	-211531	LU 3	106377	2862935	0.102	-408416	LU 10	-710759	-4902746	0.14	Si
117	34.21	5.8	22.81	5.4	-56678	LU 3	193076	2803087	0.095	-206750	LU 10	-486135	-4090733	0.11	Si
139	34.21	5.8	22.81	5.4	78957	LU 2	279769	2803087	0.095	-23965	LU 17	-278358	-4090733	0.11	Si
160	34.21	5.8	22.81	5.4	229593	LU 11	403961	2803087	0.095	107434	LU 8	-88607	-4090733	0.11	Si
181	34.21	5.8	22.81	5.4	362169	LU 11	505033	2803087	0.095						Si
203	34.21	5.8	27.21	5.4	471627	LU 11	586869	3323490	0.099						Si
224	34.21	5.8	30.08	5.4	557964	LU 11	681339	3663115	0.102						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
245	34.21	5.8	30.41	5.4	649445	LU 10	758961	3702296	0.102						Si
256	34.21	5.8	30.41	5.4	693417	LU 10	791454	3702296	0.102						Si
277	34.21	5.8	30.41	5.4	768725	LU 10	798592	3702296	0.102						Si
287	34.21	5.8	30.41	5.4	798592	LU 10	798592	3702296	0.102						Si
299	34.21	5.8	30.41	5.4	827185	LU 10	824107	3702296	0.102						Si
320	34.21	5.8	30.41	5.4	868798	LU 10	843423	3702296	0.102						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	47.68	0	14884	LU 11	14884	17389	75077	0	17389	1	Si
21	0	43.66	0	13801	LU 11	13801	16886	75077	0	16886	1	Si
33	0.388	41.65	0	13233	LU 11	13233	16623	75077	43944	43944	1	Si
43	0.388	34.21	0	12717	LU 11	12717	15568	75077	43944	43944	1	Si
64	0.388	34.21	0	11633	LU 11	11633	15579	75184	44007	44007	1	Si
85	0.388	34.21	0	10550	LU 11	10550	15607	75463	44171	44171	1	Si
96	0.388	34.21	0	10008	LU 11	10008	15623	75623	44264	44264	1	Si
117	0.35	34.21	0	9058	LU 10	9058	15699	76379	40315	40315	1	Si
139	0.35	34.21	0	8269	LU 10	8269	15699	76379	40315	40315	1	Si
160	0.35	22.81	0	7479	LU 10	7479	13760	76908	40594	40594	1	Si
181	0.35	22.81	0	6689	LU 10	6689	13760	76908	40594	40594	1	Si
203	0.35	22.81	0	5899	LU 10	5899	13760	76908	40594	40594	1	Si
224	0.316	22.81	0	5110	LU 10	5110	13760	76908	36680	36680	1	Si
245	0.316	22.81	0	4320	LU 10	4320	13760	76908	36680	36680	1	Si
256	0.316	22.81	0	3925	LU 10	3925	13760	76908	36680	36680	1	Si
277	0.316	28.64	0	3135	LU 10	3135	14846	76908	36680	36680	1	Si
287	0.316	30.08	0	2759	LU 10	2759	15090	76908	36680	36680	1	Si
287	0.316	30.08	0	-383	LU 3	-383	-15090	-76908	-36680	-36680	1	Si
299	0	30.41	0	2345	LU 10	2345	15145	76908	0	15145	1	Si
299	0	30.41	0	-855	LU 3	-855	-15145	-76908	0	-15145	1	Si
320	0	30.41	0	1556	LU 10	1556	15145	76908	0	15145	1	Si
320	0	30.41	0	-1756	LU 3	-1756	-15145	-76908	0	-15145	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1172621	1	-1005171	20	124.5	386.4	1837	-1172621	1	-1005171	20	93.4	0	+∞	Si
21	-959174	1	-939469	18.7	124.5	361.1	1837	-959174	1	-939469	18.7	93.4	0	+∞	Si
33	-852687	1	-852687	17	124.5	327.8	1837	-852687	1	-852687	17	93.4	0	+∞	Si
43	-758686	1	-852687	17	124.5	327.8	1837	-758686	1	-852687	17	93.4	0	+∞	Si
64	-571158	1	-830219	16.7	124.5	328.7	1837	-571158	1	-830219	16.7	93.4	0	+∞	Si
85	-396591	1	-637992	13	124.5	271.6	1837	-396591	1	-637992	13	93.4	0	+∞	Si
96	-314166	1	-546738	11.3	124.5	242	1837	-314166	1	-546738	11.3	93.4	0	+∞	Si
117	-159038	1	-373950	8	124.5	194.3	1837	-159038	1	-373950	8	93.4	0	+∞	Si
139	47015	2	207269	4.5	124.5	155.4	1837	2295	2	171151	3.7	93.4	0	+∞	Si
139	-18226	8	-214122	4.6	124.5	111.2	1837	-16870	1	-214122	4.6	93.4	0	+∞	Si
160	168040	2	304937	6.6	124.5	228.7	1837	129049	2	278535	6	93.4	0	+∞	Si
181	271925	2	385463	8.3	124.5	289.1	1837	241588	2	371705	8	93.4	0	+∞	Si
203	358668	2	451438	9.2	124.5	285.4	1837	339913	2	451438	9.2	93.4	0	+∞	Si
224	428270	2	524107	10.4	124.5	300.7	1837	424024	2	524107	10.4	93.4	0	+∞	Si
245	499573	1	583816	11.5	124.5	331.4	1837	499573	1	583816	11.5	93.4	0	+∞	Si
256	533398	1	608811	12	124.5	345.6	1837	533398	1	608811	12	93.4	0	+∞	Si
277	591327	1	614302	12.1	124.5	348.7	1837	591327	1	614302	12.1	93.4	0	+∞	Si
287	614302	1	614302	12.1	124.5	348.7	1837	614302	1	614302	12.1	93.4	0	+∞	Si
299	636296	1	633928	12.5	124.5	359.9	1837	636296	1	633928	12.5	93.4	0	+∞	Si
320	668306	1	648787	12.8	124.5	368.3	1837	668306	1	648787	12.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	2	-0.003	2	9999	Si
33	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.004	2	-0.005	2	9999	Si
43	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	2	-0.005	2	9999	Si
64	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	2	-0.005	2	9999	Si
85	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
96	0	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	2	-0.004	2	9999	Si
117	0.001	0	0	-0.001	0.001	0	0	-0.001	0	0	-0.001	2	-0.002	2	9999	Si
139	0.003	0.001	0.001	0	0.002	0.001	0.001	0	0.002	0.001	0.001	2	0.001	2	9999	Si
160	0.004	0.003	0.002	0.001	0.003	0.003	0.002	0.001	0.003	0.003	0.003	2	0.003	2	9999	Si
181	0.005	0.004	0.003	0.002	0.005	0.004	0.003	0.002	0.004	0.004	0.005	2	0.005	2	9999	Si
203	0.006	0.005	0.004	0.003	0.005	0.005	0.004	0.003	0.005	0.005	0.007	2	0.007	2	9999	Si
224	0.006	0.005	0.004	0.004	0.006	0.005	0.004	0.004	0.006	0.005	0.008	2	0.008	2	9999	Si
235	0.006	0.005	0.004	0.004	0.006	0.005	0.004	0.004	0.006	0.005	0.008	2	0.008	2	9999	Si
245	0.006	0.005	0.004	0.004	0.006	0.005	0.004	0.004	0.006	0.005	0.008	2	0.008	2	9999	Si
256	0.006	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.008	2	0.007	2	9999	Si
277	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.006	2	0.006	2	9999	Si
287	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
299	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si

Trave a "Piano 1" 46-12

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 46 - 23, sezione R 45x70, asta 928

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4						-462999	LU 12	-276542	-1873055	0.09	Si
28	15.21	5.4	11.4	5.4	3834	LU 10	239870	1422107	0.084	-107057	LU 3	-107057	-1873055	0.09	Si
47	15.21	5.4	11.4	5.4	170045	LU 10	448329	1422107	0.084	89645	LU 9	-107057	-1873055	0.09	Si
95	10.97	5.4	11.4	5.4	626592	LU 11	871732	1422094	0.084						Si
142	7.6	5.4	11.4	5.4	1009101	LU 11	1189152	1422093	0.084						Si
189	7.6	5.4	11.4	5.4	1285628	LU 11	1400589	1422093	0.084						Si
213	7.6	5.4	11.4	5.4	1384147	LU 11	1466564	1422093	0.084						No
260	7.6	5.4	11.4	5.4	1501699	LU 11	1520731	1422093	0.084						No
308	7.6	5.4	11.4	5.4	1513268	LU 11	1520731	1422093	0.084						No
355	7.6	5.4	11.4	5.4	1418854	LU 11	1487061	1422093	0.084						No
402	7.6	5.4	11.4	5.4	1218457	LU 11	1351753	1422093	0.084						Si
450	7.6	5.4	11.4	5.4	912077	LU 11	1110462	1422093	0.084						Si
497	7.6	5.4	11.4	5.4	499714	LU 11	763188	1422093	0.084						Si
544	7.6	5.4	11.4	5.4	15769	LU 3	309931	1422093	0.084	-147903	LU 10	-433136	-970824	0.078	Si
568	7.6	5.4	11.4	5.4	-230091	LU 3	66870	1422093	0.084	-376516	LU 10	-723298	-970824	0.078	Si
592	7.6	5.4	11.4	5.4						-642961	LU 11	-1081255	-970824	0.078	No
615	14.06	5.4	11.4	5.4						-994869	LU 11	-1465707	-1737233	0.088	Si
663	19.01	5.4	11.4	5.4						-1778172	LU 11	-2232147	-2323557	0.097	Si
688	19.01	5.4	11.4	5.4						-2232147	LU 11	-2232147	-2323557	0.097	Si
710	19.01	5.4	11.4	5.4						-2667458	LU 11	-2444126	-2323557	0.097	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.21	0	13691	LU 12	13691	11469	76908	0	11469	1	Si
28	0.144	10.97	0	12390	LU 12	12390	10783	76908	16673	16673	1	Si
47	0.144	11.4	0	11452	LU 12	11452	10922	76908	16673	16673	1	Si
95	0.144	11.4	0	9213	LU 12	9213	10922	76908	16673	16673	1	Si
142	0.16	11.4	0	6974	LU 12	6974	10922	76908	18628	18628	1	Si
189	0.16	11.4	0	4735	LU 12	4735	10922	76908	18628	18628	1	Si
213	0.16	11.4	0	3616	LU 12	3616	10922	76908	18628	18628	1	Si
260	0.16	11.4	0	1377	LU 12	1377	10922	76908	18628	18628	1	Si
308	0.16	11.4	0	-1050	LU 10	-1050	-10922	-76908	-18628	-18628	1	Si
355	0.16	11.4	0	-3114	LU 11	-3114	-10922	-76908	-18628	-18628	1	Si
402	0.16	11.4	0	-5353	LU 11	-5353	-10922	-76908	-18628	-18628	1	Si
450	0.16	11.4	0	-7592	LU 11	-7592	-10922	-76908	-18628	-18628	1	Si
497	0.16	11.4	0	-9831	LU 11	-9831	-10922	-76908	-18628	-18628	1	Si
544	0.16	7.6	0	-12070	LU 11	-12070	-9541	-76908	-18628	-18628	1	Si
568	0.16	7.6	0	-13190	LU 11	-13190	-9541	-76908	-18628	-18628	1	Si
615	0.16	7.6	0	-15429	LU 11	-15429	-9541	-76908	-18628	-18628	1	Si
663	0.201	7.6	0	-17668	LU 11	-17668	-9541	-76908	-23342	-23342	1	Si
688	0.201	14.06	0	-18843	LU 11	-18843	-11711	-76908	-23342	-23342	1	Si
710	0	17.41	0	-19907	LU 11	-19907	-12575	-76908	0	-12575	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-333899	3	-196177	6.1	124.5	220.6	1837	-231320	2	-119596	3.7	93.4	0	+∞	Si
28	2949	1	184515	6.1	124.5	273.2	1837	2949	1	184515	6.1	93.4	0	+∞	Si
28	-70388	3	-70388	2.2	124.5	79.2	1837	-17797	2	-17797	0.6	93.4	0	+∞	Si
47	130804	1	338413	11.1	124.5	501.1	1837	130804	1	309040	10.1	93.4	0	+∞	Si
95	469881	2	650504	22.5	124.5	965.9	1837	414767	2	559236	19.4	93.4	0	+∞	Si
142	751638	2	883979	32.1	124.5	1316.2	1837	639734	2	744049	27	93.4	0	+∞	Si
189	954777	2	1038836	37.7	124.5	1546.7	1837	799318	2	863477	31.3	93.4	0	+∞	Si
213	1026866	2	1086783	39.5	124.5	1618.1	1837	854591	2	898672	32.6	93.4	0	+∞	Si
260	1112080	2	1125206	40.9	124.5	1675.3	1837	916098	2	922333	33.5	93.4	0	+∞	Si
308	1118677	2	1125206	40.9	124.5	1675.3	1837	912222	2	922333	33.5	93.4	0	+∞	Si
355	1046658	2	1098472	39.9	124.5	1635.5	1837	842962	2	891805	31.8	93.4	0	+∞	Si
402	896021	2	996117	36.2	124.5	1483.1	1837	708318	2	797316	28.9	93.4	0	+∞	Si
450	666767	2	815146	29.6	124.5	1213.7	1837	508290	2	637443	23.1	93.4	0	+∞	Si
497	358897	2	555558	20.2	124.5	827.2	1837	242878	2	412187	15	93.4	0	+∞	Si
544	-113772	1	-333182	7.5	124.5	115.5	1837	-113772	1	-333182	13.4	93.4	0	+∞	Si
568	-289628	1	-552515	11.8	124.5	191.6	1837	-289628	1	-534916	21.5	93.4	0	+∞	Si
615	-754729	2	-1105210	35.4	124.5	1340.2	1837	-706706	2	-1003943	32.1	93.4	0	+∞	Si
663	-1337759	2	-1675554	48.4	124.5	1520.7	1837	-1200961	2	-1486809	43	93.4	0	+∞	Si
688	-1675554	2	-1675554	48.4	124.5	1520.7	1837	-1486809	2	-1486809	43	93.4	0	+∞	Si
710	-1999406	2	-1833269	53	124.5	1663.9	1837	-1760601	2	-1620203	46.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
189	inferiore	54.5	0.00045	0.0245	2	54.5	0.0004	0.0216	2	54.5	0.00037	0.0204	2	Si
213	inferiore	54.5	0.00047	0.0257	2	54.5	0.00041	0.0225	2	54.5	0.00039	0.0212	2	Si
260	inferiore	54.5	0.00049	0.0266	2	54.5	0.00043	0.0232	2	54.5	0.0004	0.0218	2	Si
308	inferiore	54.5	0.00049	0.0266	2	54.5	0.00043	0.0232	2	54.5	0.0004	0.0218	2	Si
355	inferiore	54.5	0.00048	0.0259	2	54.5	0.00041	0.0225	2	54.5	0.00039	0.0211	2	Si
615	superiore	46.9	0.00039	0.0183	2	46.9	0.00036	0.0171	2	46.9	0.00035	0.0166	2	Si
663	superiore	38.5	0.00044	0.0171	2	38.5	0.00047	0.0182	2	38.5	0.00045	0.0173	2	Si
688	superiore	38.5	0.00044	0.0171	2	38.5	0.00047	0.0182	2	38.5	0.00045	0.0173	2	Si
710	superiore	38.5	0.0005	0.0192	2	38.5	0.00053	0.0206	2	38.5	0.00051	0.0195	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
28	0.016	0.012	0.015	0.01	0.014	0.012	0.012	0.011	0.013	0.012	0.03	2	0.027	2	9999	Si
47	0.028	0.021	0.026	0.018	0.024	0.021	0.021	0.018	0.023	0.021	0.052	2	0.047	2	9999	Si
95	0.056	0.041	0.052	0.036	0.049	0.041	0.042	0.036	0.046	0.041	0.102	2	0.092	2	6967	Si
142	0.081	0.059	0.075	0.051	0.07	0.059	0.061	0.051	0.066	0.059	0.146	2	0.132	2	4848	Si
189	0.101	0.073	0.094	0.063	0.087	0.073	0.076	0.064	0.081	0.073	0.182	2	0.164	2	3900	Si
213	0.108	0.078	0.102	0.068	0.094	0.079	0.081	0.068	0.088	0.079	0.196	2	0.176	2	3627	Si
260	0.119	0.085	0.112	0.074	0.103	0.086	0.089	0.075	0.096	0.086	0.214	2	0.191	2	3319	Si
308	0.123	0.087	0.116	0.076	0.106	0.088	0.091	0.076	0.099	0.088	0.219	2	0.195	2	3238	Si
355	0.12	0.084	0.112	0.073	0.103	0.085	0.089	0.073	0.096	0.085	0.212	2	0.188	2	3353	Si
402	0.111	0.077	0.102	0.066	0.094	0.077	0.081	0.066	0.087	0.077	0.192	2	0.17	2	3690	Si
450	0.096	0.065	0.088	0.055	0.081	0.065	0.069	0.056	0.075	0.065	0.163	2	0.143	2	4353	Si
497	0.077	0.051	0.069	0.043	0.064	0.051	0.054	0.043	0.059	0.051	0.127	2	0.11	2	5603	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
544	0.056	0.035	0.049	0.029	0.045	0.035	0.037	0.029	0.041	0.035	0.087	2	0.074	2	8164	Si
568	0.045	0.027	0.039	0.022	0.036	0.027	0.029	0.022	0.033	0.027	0.067	2	0.056	2	9999	Si
615	0.024	0.013	0.02	0.01	0.019	0.013	0.014	0.01	0.017	0.013	0.032	2	0.025	2	9999	Si
663	0.008	0.003	0.005	0.001	0.006	0.003	0.003	0.001	0.005	0.003	0.006	2	0.003	2	9999	Si
688	0.003	0.001	0.001	-0.001	0.002	0.001	0	-0.001	0.001	0.001	-0.001	2	-0.002	2	9999	Si

Campata 2 tra i fili 23 - 12, sezione R 45x70, asta 929

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-2066780	LU 11	-1910695	-2323557	0.097	Si
23	19.01	5.4	11.4	5.4						-1766540	LU 11	-1766540	-2323557	0.097	Si
45	18.93	5.4	11.4	5.4						-1486245	LU 11	-1766540	-2314368	0.097	Si
68	15.72	5.4	11.4	5.4						-1232432	LU 11	-1563096	-1934606	0.091	Si
91	12.52	5.4	11.4	5.4	-663660	LU 8	74741	1422094	0.084	-1002923	LU 11	-1302418	-1554423	0.085	Si
102	7.6	5.4	11.4	5.4	-597837	LU 8	133980	1422093	0.084	-897282	LU 11	-1181193	-970824	0.078	No
125	7.6	5.4	11.4	5.4	-476459	LU 8	225117	1422093	0.084	-704227	LU 11	-956969	-970824	0.078	Si
147	7.6	5.4	11.4	5.4	-368775	LU 8	279799	1422093	0.084	-535476	LU 11	-757049	-970824	0.078	Si
170	7.6	5.4	11.4	5.4	-274783	LU 8	298027	1422093	0.084	-391028	LU 11	-581432	-970824	0.078	Si
193	7.6	5.4	11.4	5.4	-193162	LU 4	279799	1422093	0.084	-270883	LU 11	-430118	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	-123530	LU 1	225117	1422093	0.084	-175743	LU 12	-303107	-970824	0.078	Si
238	7.6	5.4	11.4	5.4	-66934	LU 1	133980	1422093	0.084	-106586	LU 18	-200811	-970824	0.078	Si
249	9.24	5.4	11.4	5.4	-43770	LU 1	74741	1422093	0.084	-80735	LU 18	-159086	-1165407	0.08	Si
272	10.31	5.4	11.4	5.4	-7714	LU 1	23487	1422094	0.084	-45796	LU 18	-95341	-1292229	0.082	Si
295	11.38	5.4	11.4	5.4	19045	LU 10	30318	1422094	0.084	-39688	LU 3	-57080	-1419031	0.083	Si
318	11.4	5.4	11.4	5.4	30302	LU 10	30318	1422094	0.084	-57080	LU 3	-57080	-1422094	0.084	Si
340	11.4	5.4	11.4	5.4	23060	LU 10	23060	1422094	0.084	-95099	LU 3	-70679	-1422094	0.084	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.72	0	13878	LU 11	13878	12156	76908	0	12156	1	Si
23	0.158	12.52	0	12814	LU 11	12814	11267	76908	18340	18340	1	Si
45	0.158	7.6	0	11734	LU 11	11734	9541	76908	18340	18340	1	Si
68	0.158	7.6	0	10662	LU 11	10662	9541	76908	18340	18340	1	Si
91	0.158	7.6	0	9589	LU 11	9589	9541	76908	18340	18340	1	Si
102	0.123	7.6	0	9053	LU 11	9053	9541	76908	14306	14306	1	Si
125	0.123	7.6	0	7981	LU 11	7981	9541	76908	14306	14306	1	Si
147	0.123	7.6	0	6909	LU 11	6909	9541	76908	14306	14306	1	Si
170	0.123	7.6	0	5837	LU 11	5837	9541	76908	14306	14306	1	Si
193	0.123	7.6	0	4764	LU 11	4764	9541	76908	14306	14306	1	Si
215	0.123	7.6	0	3692	LU 11	3692	9541	76908	14306	14306	1	Si
238	0.123	7.6	0	2853	LU 10	2853	9541	76908	14306	14306	1	Si
249	0.072	7.6	0	2461	LU 10	2461	9541	76908	8336	9541	1	Si
272	0.072	7.6	0	1675	LU 10	1675	9541	76908	8336	9541	1	Si
295	0.072	11.4	0	890	LU 10	890	10922	76908	8336	10922	1	Si
295	0.072	7.6	0	-311	LU 3	-311	-9541	-76908	-8336	-9541	1	Si
318	0.072	11.4	0	99	LU 10	99	10922	76908	8336	10922	1	Si
318	0.072	9.24	0	-1209	LU 3	-1209	-10182	-76908	-8336	-10182	1	Si
340	0	10.31	0	-2465	LU 12	-2465	-10561	-76908	0	-10561	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1557069	2	-1440209	41.6	124.5	1307.1	1837	-1408005	2	-1305729	37.7	93.4	0	+∞	Si
23	-1332198	2	-1332198	38.5	124.5	1209.1	1837	-1210813	2	-1210813	35	93.4	0	+∞	Si
45	-1122091	2	-1332198	38.6	124.5	1213.8	1837	-1025748	2	-1210813	35	93.4	0	+∞	Si
68	-931644	2	-1179712	36.3	124.5	1284.4	1837	-857109	2	-1076565	33.1	93.4	0	+∞	Si
91	-759224	2	-984172	32.8	124.5	1334.9	1837	-703464	2	-903691	30.1	93.4	0	+∞	Si
102	-679775	2	-893162	20.1	124.5	309.7	1837	-632264	2	-822876	33	93.4	0	+∞	Si
125	-534397	2	-724664	16.3	124.5	251.3	1837	-501108	2	-672492	27	93.4	0	+∞	Si
147	-407047	2	-574193	12.9	124.5	199.1	1837	-384946	2	-537101	21.6	93.4	0	+∞	Si
170	-297725	2	-441750	9.9	124.5	153.2	1837	-283778	2	-416703	16.7	93.4	0	+∞	Si
193	-206431	2	-327335	7.4	124.5	113.5	1837	-197602	2	-311299	12.5	93.4	0	+∞	Si
215	-133633	3	-230948	5.2	124.5	80.1	1837	-126420	2	-220888	8.9	93.4	0	+∞	Si
238	-79982	9	-152863	3.4	124.5	53	1837	-70231	2	-145470	5.8	93.4	0	+∞	Si
249	-59659	9	-120788	4.5	124.5	219.8	1837	-47759	2	-113384	4.2	93.4	0	+∞	Si
272	-31559	9	-71142	2.5	124.5	116.4	1837	-14061	2	-60456	2.2	93.4	0	+∞	Si
295	14650	1	23321	0.8	124.5	34.6	1837	14650	1	23321	0.8	93.4	0	+∞	Si
295	-21575	3	-38316	1.3	124.5	57	1837								Si
318	23310	1	23321	0.8	124.5	34.6	1837	23310	1	23321	0.8	93.4	0	+∞	Si
318	-30283	3	-30283	1	124.5	45	1837								Si
340	17738	1	17738	0.6	124.5	26.3	1837	17738	1	17738	0.6	93.4	0	+∞	Si
340	-57487	3	-39064	1.3	124.5	58	1837	-3554	2	-3554	0.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	38.5	0.00038	0.0147	2	38.5	0.00039	0.0149	2	38.5	0.00037	0.0142	2	Si
23	superiore	38.5	0.00035	0.0136	2	38.5	0.00034	0.0132	2	38.5	0.00033	0.0126	2	Si
45	superiore	38.6	0.00035	0.0137	2	38.6	0.00034	0.0133	2	38.6	0.00033	0.0127	2	Si
68	superiore	43.5	0.00037	0.0163	2	43.5	0.00035	0.0153	2	43.5	0.00034	0.0149	2	Si
79	superiore	46.8	0.00038	0.0178	2	46.8	0.00036	0.0167	2	46.8	0.00035	0.0163	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
23	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.013	1	-0.014	1	9999	Si
45	-0.009	-0.01	-0.009	-0.01	-0.009	-0.01	-0.009	-0.01	-0.009	-0.01	-0.022	1	-0.023	1	9999	Si
68	-0.012	-0.013	-0.011	-0.013	-0.012	-0.012	-0.011	-0.012	-0.012	-0.012	-0.028	1	-0.03	1	9999	Si
91	-0.013	-0.015	-0.013	-0.015	-0.013	-0.014	-0.013	-0.014	-0.013	-0.014	-0.032	1	-0.033	1	9999	Si
102	-0.013	-0.015	-0.013	-0.015	-0.014	-0.014	-0.013	-0.014	-0.014	-0.014	-0.033	1	-0.034	1	9999	Si
125	-0.014	-0.015	-0.013	-0.015	-0.014	-0.014	-0.013	-0.014	-0.014	-0.014	-0.034	1	-0.035	1	9999	Si
147	-0.013	-0.015	-0.013	-0.015	-0.013	-0.014	-0.013	-0.014	-0.013	-0.014	-0.033	1	-0.034	1	9999	Si
170	-0.012	-0.013	-0.012	-0.014	-0.012	-0.013	-0.012	-0.013	-0.012	-0.013	-0.031	1	-0.032	1	9999	Si
193	-0.011	-0.012	-0.011	-0.012	-0.011	-0.011	-0.011	-0.012	-0.011	-0.011	-0.028	1	-0.029	1	9999	Si
215	-0.009	-0.01	-0.009	-0.011	-0.009	-0.01	-0.009	-0.01	-0.009	-0.01	-0.024	1	-0.025	1	9999	Si
238	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.02	1	-0.021	1	9999	Si
249	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.018	1	-0.018	1	9999	Si
272	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.013	1	-0.014	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
295	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.009	1	-0.009	1	9999	Si
318	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si

Trave a "Piano 1" 47-13

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 47 - 24, sezione R 45x70, asta 926

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4						-435238	LU 11	-247673	-1422094	0.084	Si
28	11.4	5.4	11.4	5.4	38780	LU 13	276687	1422094	0.084	-84788	LU 2	-84788	-1422094	0.084	Si
47	11.4	5.4	11.4	5.4	206221	LU 13	477541	1422094	0.084	116463	LU 2	-84788	-1422094	0.084	Si
95	9.29	5.4	11.4	5.4	657681	LU 12	906008	1422093	0.084						Si
142	7.6	5.4	11.4	5.4	1045417	LU 12	1228902	1422093	0.084						Si
189	7.6	5.4	15.21	5.4	1327579	LU 12	1446220	1873491	0.092						Si
213	7.6	5.4	15.21	5.4	1429069	LU 12	1515289	1873491	0.092						Si
260	7.6	5.4	15.21	5.4	1552880	LU 11	1575256	1873491	0.092						Si
308	7.6	5.4	15.21	5.4	1571239	LU 11	1575256	1873491	0.092						Si
355	7.6	5.4	15.21	5.4	1484022	LU 11	1547773	1873491	0.092						Si
402	7.6	5.4	14.48	5.4	1291232	LU 11	1419825	1787309	0.091						Si
450	7.6	5.4	11.4	5.4	992867	LU 11	1186303	1422093	0.084						Si
497	7.6	5.4	11.4	5.4	588927	LU 11	847207	1422093	0.084						Si
544	7.6	5.4	11.4	5.4	93904	LU 2	402535	1422093	0.084	-64421	LU 13	-345956	-970824	0.078	Si
568	7.6	5.4	11.4	5.4	-148414	LU 2	144237	1422093	0.084	-290017	LU 13	-615918	-970824	0.078	Si
615	11.39	5.4	11.4	5.4						-883824	LU 12	-1348771	-1419850	0.084	Si
663	15.21	5.4	11.4	5.4						-1657408	LU 12	-2106084	-1873055	0.09	No
687	15.21	5.4	11.4	5.4						-2106084	LU 12	-2106084	-1873055	0.09	No
710	15.21	5.4	11.4	5.4						-2536567	LU 12	-2315670	-1873055	0.09	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.4	0	13771	LU 11	13771	10593	76908	0	10593	1	Si
28	0.144	9.29	0	12475	LU 11	12475	10200	76908	16673	16673	1	Si
47	0.144	11.4	0	11541	LU 11	11541	10922	76908	16673	16673	1	Si
95	0.144	11.4	0	9310	LU 11	9310	10922	76908	16673	16673	1	Si
142	0.159	11.4	0	7080	LU 11	7080	10922	76908	18406	18406	1	Si
189	0.159	11.4	0	4849	LU 11	4849	10922	76908	18406	18406	1	Si
213	0.159	11.4	0	3734	LU 11	3734	10922	76908	18406	18406	1	Si
260	0.159	15.21	0	1503	LU 11	1503	12021	76908	18406	18406	1	Si
308	0.159	15.21	0	-953	LU 13	-953	-12021	-76908	-18406	-18406	1	Si
355	0.159	11.4	0	-2961	LU 12	-2961	-10922	-76908	-18406	-18406	1	Si
402	0.159	11.4	0	-5191	LU 12	-5191	-10922	-76908	-18406	-18406	1	Si
450	0.159	11.4	0	-7422	LU 12	-7422	-10922	-76908	-18406	-18406	1	Si
497	0.159	11.4	0	-9653	LU 12	-9653	-10922	-76908	-18406	-18406	1	Si
544	0.159	11.4	0	-11883	LU 12	-11883	-10922	-76908	-18406	-18406	1	Si
568	0.159	7.6	0	-12998	LU 12	-12998	-9541	-76908	-18406	-18406	1	Si
615	0.159	7.6	0	-15229	LU 12	-15229	-9541	-76908	-18406	-18406	1	Si
663	0.201	7.6	0	-17460	LU 12	-17460	-9541	-76908	-23342	-23342	1	Si
687	0.201	11.39	0	-18630	LU 12	-18630	-10916	-76908	-23342	-23342	1	Si
710	0	13.62	0	-19690	LU 12	-19690	-11587	-76908	0	-11587	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-312128	2	-173575	6	124.5	257.6	1837	-208978	2	-96487	3.3	93.4	0	+∞	Si
28	29699	4	212721	7.3	124.5	315.8	1837	28839	1	211970	7.3	93.4	0	+∞	Si
28	-46913	2	-46913	1.6	124.5	69.6	1837								Si
47	158511	4	361693	12.5	124.5	536.9	1837	157726	1	335903	11.6	93.4	0	+∞	Si
95	494550	3	677532	24	124.5	1007.3	1837	442780	2	589199	20.9	93.4	0	+∞	Si
142	780174	3	915055	33.2	124.5	1361.8	1837	670943	2	777351	28.2	93.4	0	+∞	Si
189	987482	3	1074261	35.2	124.5	1213	1837	833962	2	900359	29.5	93.4	0	+∞	Si
213	1061767	3	1124496	36.9	124.5	1269.7	1837	891042	2	937434	30.7	93.4	0	+∞	Si
260	1151608	2	1167201	38.3	124.5	1317.9	1837	956345	2	964567	31.6	93.4	0	+∞	Si
308	1163214	2	1167201	38.3	124.5	1317.9	1837	956504	2	964567	31.6	93.4	0	+∞	Si
355	1096504	2	1145031	37.5	124.5	1292.9	1837	891518	2	937715	30.7	93.4	0	+∞	Si
402	951478	2	1048105	35	124.5	1240.4	1837	761389	2	847597	28.3	93.4	0	+∞	Si
450	728135	2	872864	31.7	124.5	1299.6	1837	566115	2	692334	25.1	93.4	0	+∞	Si
497	426476	2	619306	22.5	124.5	922.1	1837	305698	2	471928	17.1	93.4	0	+∞	Si
544	46501	2	287432	10.4	124.5	428	1837								Si
544	-49388	4	-265937	6	124.5	92.2	1837	-48306	1	-264745	10.6	93.4	0	+∞	Si
568	-222910	4	-471472	10.6	124.5	163.5	1837	-221739	1	-460765	18.5	93.4	0	+∞	Si
615	-670980	3	-1017112	35.1	124.5	1512.2	1837	-630351	2	-924053	31.9	93.4	0	+∞	Si
663	-1246834	3	-1580717	49.2	124.5	1777.5	1837	-1118773	2	-1401442	43.6	93.4	0	+∞	Si
687	-1580717	3	-1580717	49.2	124.5	1777.5	1837	-1401442	2	-1401442	43.6	93.4	0	+∞	Si
710	-1901005	3	-1736666	54.1	124.5	1952.9	1837	-1672339	2	-1533401	47.8	93.4	0	+∞	No

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
189	inferiore	44.5	0.00035	0.0157	3	44.5	0.00031	0.0139	2	44.5	0.0003	0.0132	2	Si
213	inferiore	44.5	0.00037	0.0165	3	44.5	0.00033	0.0145	2	44.5	0.00031	0.0137	2	Si
260	inferiore	44.5	0.00038	0.0171	2	44.5	0.00034	0.015	2	44.5	0.00032	0.0141	2	Si
308	inferiore	44.5	0.00038	0.0171	2	44.5	0.00034	0.015	2	44.5	0.00032	0.0141	2	Si
355	inferiore	44.5	0.00038	0.0168	2	44.5	0.00033	0.0146	2	44.5	0.00031	0.0137	2	Si
402	inferiore	46	0.00036	0.0166	2	46	0.00031	0.0143	2	46	0.00029	0.0134	2	Si

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
663	superiore	44.5	0.00052	0.023	3	44.5	0.00055	0.0245	2	44.5	0.00052	0.0233	2	Si
687	superiore	44.5	0.00052	0.023	3	44.5	0.00055	0.0245	2	44.5	0.00052	0.0233	2	Si
710	superiore	44.5	0.00059	0.0261	3	44.5	0.00063	0.0279	2	44.5	0.0006	0.0265	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
28	0.017	0.013	0.016	0.011	0.015	0.013	0.013	0.011	0.014	0.013	0.031	2	0.029	2	9999	Si
47	0.03	0.023	0.027	0.02	0.026	0.023	0.023	0.02	0.025	0.023	0.054	2	0.05	2	9999	Si
95	0.059	0.044	0.054	0.039	0.052	0.044	0.045	0.039	0.049	0.044	0.106	2	0.097	2	6670	Si
142	0.085	0.064	0.078	0.055	0.075	0.064	0.064	0.055	0.07	0.064	0.153	2	0.139	2	4652	Si
189	0.107	0.079	0.097	0.068	0.093	0.079	0.08	0.068	0.087	0.079	0.189	2	0.172	2	3747	Si
213	0.115	0.085	0.105	0.073	0.1	0.085	0.086	0.073	0.094	0.085	0.204	2	0.185	2	3484	Si
260	0.127	0.093	0.116	0.08	0.11	0.093	0.095	0.08	0.103	0.093	0.223	2	0.202	2	3182	Si
308	0.132	0.096	0.121	0.082	0.114	0.096	0.098	0.082	0.107	0.096	0.23	2	0.208	2	3092	Si
355	0.129	0.093	0.117	0.08	0.111	0.093	0.095	0.08	0.104	0.093	0.223	2	0.201	2	3182	Si
402	0.12	0.085	0.108	0.073	0.103	0.085	0.087	0.073	0.096	0.085	0.205	2	0.184	2	3470	Si
450	0.105	0.073	0.094	0.062	0.089	0.074	0.075	0.062	0.083	0.074	0.176	2	0.157	2	4041	Si
497	0.085	0.058	0.075	0.049	0.072	0.059	0.06	0.049	0.066	0.059	0.139	2	0.124	2	5113	Si
544	0.063	0.042	0.054	0.034	0.052	0.042	0.043	0.034	0.048	0.042	0.098	2	0.087	2	7261	Si
568	0.051	0.033	0.044	0.027	0.042	0.033	0.034	0.027	0.039	0.033	0.077	2	0.068	2	9213	Si
615	0.029	0.018	0.024	0.014	0.023	0.018	0.018	0.014	0.021	0.018	0.039	2	0.034	2	9999	Si
663	0.011	0.006	0.007	0.003	0.008	0.006	0.005	0.004	0.007	0.006	0.009	2	0.009	2	9999	Si
687	0.004	0.002	0.002	0	0.003	0.002	0.001	0	0.002	0.002	0.001	2	0.001	2	9999	Si

Campata 2 tra i fili 24 - 13, sezione R 45x70, asta 927

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4						-1947445	LU 12	-1799434	-1873055	0.09	Si
23	15.21	5.4	11.4	5.4						-1663308	LU 12	-1663308	-1873055	0.09	Si
45	15.15	5.4	11.4	5.4						-1399187	LU 12	-1663308	-1866865	0.09	Si
68	13.02	5.4	11.4	5.4						-1161389	LU 12	-1471448	-1613379	0.086	Si
91	10.88	5.4	11.4	5.4	-649323	LU 1	74511	1422094	0.084	-947811	LU 12	-1226812	-1359793	0.083	Si
102	7.6	5.4	11.4	5.4	-586704	LU 1	133541	1422093	0.084	-850105	LU 12	-1113577	-970824	0.078	No
125	7.6	5.4	11.4	5.4	-471704	LU 1	224353	1422093	0.084	-672858	LU 12	-905272	-970824	0.078	Si
147	7.6	5.4	11.4	5.4	-370354	LU 1	278835	1422093	0.084	-519831	LU 12	-721187	-970824	0.078	Si
170	7.6	5.4	11.4	5.4	-282653	LU 1	296986	1422093	0.084	-391025	LU 12	-561322	-970824	0.078	Si
193	7.6	5.4	11.4	5.4	-208603	LU 1	278806	1422093	0.084	-287560	LU 18	-425679	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	-148203	LU 1	224295	1422093	0.084	-208058	LU 18	-314722	-970824	0.078	Si
238	7.6	5.4	11.4	5.4	-101453	LU 1	133453	1422093	0.084	-150833	LU 18	-228930	-970824	0.078	Si
261	9.78	5.4	11.4	5.4	-68352	LU 1	6281	1422093	0.084	-118006	LU 12	-165416	-1228754	0.081	Si
272	10.31	5.4	11.4	5.4						-111126	LU 12	-142013	-1292173	0.082	Si
295	11.38	5.4	11.4	5.4						-115533	LU 12	-144511	-1418994	0.083	Si
318	11.4	5.4	11.4	5.4						-144511	LU 12	-144511	-1422094	0.084	Si
340	11.4	5.4	11.4	5.4						-197409	LU 12	-164817	-1422094	0.084	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.02	0	13161	LU 12	13161	11414	76908	0	11414	1	Si
23	0.172	10.88	0	12100	LU 12	12100	10752	76908	20007	20007	1	Si
45	0.172	7.6	0	11024	LU 12	11024	9541	76908	20007	20007	1	Si
68	0.172	7.6	0	9955	LU 12	9955	9541	76908	20007	20007	1	Si
91	0.172	7.6	0	8887	LU 12	8887	9541	76908	20007	20007	1	Si
102	0.136	7.6	0	8353	LU 12	8353	9541	76908	15807	15807	1	Si
125	0.136	7.6	0	7284	LU 12	7284	9541	76908	15807	15807	1	Si
147	0.136	7.6	0	6216	LU 12	6216	9541	76908	15807	15807	1	Si
170	0.136	7.6	0	5148	LU 12	5148	9541	76908	15807	15807	1	Si
193	0.136	7.6	0	4079	LU 12	4079	9541	76908	15807	15807	1	Si
215	0.136	7.6	0	3085	LU 13	3085	9541	76908	15807	15807	1	Si
238	0.136	7.6	0	2302	LU 13	2302	9541	76908	15807	15807	1	Si
261	0.101	7.6	0	1519	LU 13	1519	9541	76908	11671	11671	1	Si
272	0.101	7.6	0	1128	LU 13	1128	9541	76908	11671	11671	1	Si
295	0.101	7.6	0	345	LU 13	345	9541	76908	11671	11671	1	Si
295	0.101	7.6	0	-812	LU 2	-812	-9541	-76908	-11671	-11671	1	Si
318	0.101	9.24	0	-1811	LU 11	-1811	-10182	-76908	-11671	-11671	1	Si
340	0	10.31	0	-3092	LU 11	-3092	-10560	-76908	0	-10560	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1468047	3	-1357251	42.3	124.5	1526.2	1837	-1330989	2	-1234126	38.4	93.4	0	+∞	Si
23	-1255271	3	-1255271	39.1	124.5	1411.6	1837	-1144596	2	-1144596	35.6	93.4	0	+∞	Si
45	-1057315	3	-1255271	39.1	124.5	1416.2	1837	-970386	2	-1144596	35.7	93.4	0	+∞	Si
68	-878899	3	-1111487	36.5	124.5	1451.9	1837	-812502	2	-1018123	33.5	93.4	0	+∞	Si
91	-718450	3	-927999	32.5	124.5	1441.8	1837	-669563	2	-856020	30	93.4	0	+∞	Si
102	-644964	3	-842993	18.9	124.5	292.3	1837	-603698	2	-780572	31.3	93.4	0	+∞	Si
125	-511466	3	-686456	15.4	124.5	238	1837	-483177	2	-640887	25.7	93.4	0	+∞	Si
147	-395934	3	-547885	12.3	124.5	190	1837	-377601	2	-516147	20.7	93.4	0	+∞	Si
170	-298370	3	-427282	9.6	124.5	148.2	1837	-286970	2	-406351	16.3	93.4	0	+∞	Si
193	-219521	9	-324646	7.3	124.5	112.6	1837	-211284	2	-311501	12.5	93.4	0	+∞	Si
215	-158466	9	-240287	5.4	124.5	83.3	1837	-150543	2	-231596	9.3	93.4	0	+∞	Si
238	-114082	9	-174525	3.9	124.5	60.5	1837	-104747	2	-166636	6.7	93.4	0	+∞	Si
261	-87784	3	-125436	4.6	124.5	216.2	1837	-73897	2	-116621	4.3	93.4	0	+∞	Si
272	-81674	3	-107143	3.8	124.5	175.4	1837	-64076	2	-97218	3.5	93.4	0	+∞	Si
295	-82928	3	-102395	3.5	124.5	152.3	1837	-55643	2	-69621	1.8	93.4	0	+∞	Si
318	-102395	3	-102395	3.5	124.5	152	1837	-62288	2	-62288	2.1	93.4	0	+∞	Si
340	-139633	3	-116458	4	124.5	172.9	1837	-83847	2	-69283	1.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	44.5	0.00044	0.0198	3	44.5	0.00045	0.0201	2	44.5	0.00043	0.0192	2	Si
23	superiore	44.5	0.00041	0.0183	3	44.5	0.0004	0.0178	2	44.5	0.00038	0.017	2	Si
45	superiore	44.6	0.00041	0.0184	3	44.6	0.0004	0.0179	2	44.6	0.00038	0.0172	2	Si
68	superiore	49.5	0.00042	0.0209	3	49.5	0.0004	0.0197	2	49.5	0.00039	0.0192	2	Si

Verifica di deformabilità

x	Rara	Frequente	Quasi permanente	Verifica

	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
23	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.013	1	-0.014	1	9999	Si
45	-0.009	-0.01	-0.009	-0.01	-0.009	-0.01	-0.009	-0.009	-0.009	-0.009	-0.022	1	-0.023	1	9999	Si
68	-0.012	-0.013	-0.011	-0.013	-0.012	-0.012	-0.011	-0.012	-0.012	-0.012	-0.029	1	-0.03	1	9999	Si
91	-0.013	-0.014	-0.013	-0.014	-0.013	-0.014	-0.013	-0.013	-0.013	-0.013	-0.032	1	-0.033	1	9999	Si
102	-0.013	-0.015	-0.013	-0.015	-0.013	-0.014	-0.013	-0.014	-0.013	-0.014	-0.033	1	-0.034	1	9999	Si
125	-0.014	-0.015	-0.013	-0.015	-0.014	-0.014	-0.013	-0.014	-0.014	-0.014	-0.034	1	-0.035	1	9950	Si
147	-0.013	-0.014	-0.013	-0.015	-0.013	-0.014	-0.013	-0.014	-0.013	-0.014	-0.033	1	-0.035	1	9999	Si
170	-0.012	-0.013	-0.012	-0.014	-0.012	-0.013	-0.012	-0.013	-0.012	-0.013	-0.032	1	-0.033	1	9999	Si
193	-0.011	-0.012	-0.011	-0.013	-0.011	-0.012	-0.011	-0.012	-0.011	-0.011	-0.029	1	-0.03	1	9999	Si
215	-0.01	-0.011	-0.01	-0.011	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.025	1	-0.026	1	9999	Si
238	-0.008	-0.009	-0.008	-0.009	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.021	1	-0.022	1	9999	Si
261	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.017	1	-0.017	1	9999	Si
272	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.014	1	-0.015	1	9999	Si
295	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si
318	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si

Trave a "Piano 1" 49-37

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x60	Rettangolare	30	60	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - ?, sezione R 30x60, asta 994

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	97056	LU 17	97056	796256	0.099						Si
15	7.6	5.4	7.6	5.4	125432	LU 18	174387	796256	0.099						Si
19	7.6	5.4	7.6	5.4	133900	LU 18	180386	796256	0.099						Si
37	7.6	5.4	7.6	5.4	170727	LU 18	209350	796256	0.099						Si
56	7.6	5.4	7.6	5.4	201004	LU 12	230595	796256	0.099						Si
75	7.6	5.4	7.6	5.4	225122	LU 12	242754	796256	0.099						Si
84	7.6	5.4	7.6	5.4	233774	LU 12	245427	796256	0.099						Si
93	7.6	5.4	7.6	5.4	240155	LU 12	246102	796256	0.099						Si
103	7.6	5.4	7.6	5.4	244264	LU 12	246102	796256	0.099						Si
121	7.6	5.4	7.6	5.4	245669	LU 12	246102	796256	0.099						Si
140	7.6	5.4	7.6	5.4	237988	LU 12	245943	796256	0.099						Si
159	7.6	5.4	7.6	5.4	221221	LU 12	241135	796256	0.099						Si
177	7.6	5.4	7.6	5.4	195633	LU 11	227242	796256	0.099						Si
196	7.6	5.4	7.6	5.4	161083	LU 11	204404	796256	0.099						Si
215	7.6	5.4	7.6	5.4	117448	LU 11	172728	796256	0.099						Si
224	7.6	5.4	7.6	5.4	92223	LU 11	153483	796256	0.099	42799	LU 8	-6603	-796256	0.099	Si
243	7.6	5.4	7.6	5.4	34960	LU 11	108178	796256	0.099	6200	LU 8	-55291	-796256	0.099	Si
261	7.6	5.4	7.6	5.4	-23242	LU 2	53788	796256	0.099	-43726	LU 17	-55291	-796256	0.099	Si
265	7.6	5.4	7.6	5.4	-35019	LU 2	42093	796256	0.099	-55291	LU 17	-55291	-796256	0.099	Si
280	7.6	5.4	7.6	5.4						-113098	LU 18	-82691	-796256	0.099	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3016	LU 11	3016	6713	43335	0	6713	1	Si
15	0.134	7.6	0	2625	LU 11	2625	6713	43335	13152	13152	1	Si
19	0.134	7.6	0	2530	LU 11	2530	6713	43335	13152	13152	1	Si
37	0.134	7.6	0	2043	LU 11	2043	6713	43335	13152	13152	1	Si
56	0.134	7.6	0	1556	LU 11	1556	6713	43335	13152	13152	1	Si
75	0.134	7.6	0	1069	LU 11	1069	6713	43335	13152	13152	1	Si
84	0.139	7.6	0	826	LU 11	826	6713	43335	13658	13658	1	Si
103	0.139	7.6	0	339	LU 11	339	6713	43335	13658	13658	1	Si
103	0.139	7.6	0	-18	LU 8	-18	-6713	-43335	-13658	-13658	1	Si
121	0.139	7.6	0	-358	LU 17	-358	-6713	-43335	-13658	-13658	1	Si
140	0.139	7.6	0	-721	LU 18	-721	-6713	-43335	-13658	-13658	1	Si
159	0.139	7.6	0	-1170	LU 18	-1170	-6713	-43335	-13658	-13658	1	Si
177	0.139	7.6	0	-1628	LU 12	-1628	-6713	-43335	-13658	-13658	1	Si
196	0.139	7.6	0	-2115	LU 12	-2115	-6713	-43335	-13658	-13658	1	Si
215	0.151	7.6	0	-2602	LU 12	-2602	-6713	-43335	-14796	-14796	1	Si
224	0.151	7.6	0	-2845	LU 12	-2845	-6713	-43335	-14796	-14796	1	Si
243	0.151	7.6	0	-3332	LU 12	-3332	-6713	-43335	-14796	-14796	1	Si
261	0.151	7.6	0	-3819	LU 12	-3819	-6713	-43335	-14796	-14796	1	Si
265	0.151	7.6	0	-3914	LU 12	-3914	-6713	-43335	-14796	-14796	1	Si
280	0	7.6	0	-4305	LU 12	-4305	-6713	-43335	0	-6713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	73182	8	73182	4.9	124.5	194.5	1837	63586	1	63586	4.3	93.4	0	+∞	Si
15	95046	9	131584	8.9	124.5	349.8	1837	85959	2	118953	8	93.4	0	+∞	Si
19	101370	9	136058	9.2	124.5	361.6	1837	91666	2	122996	8.3	93.4	0	+∞	Si
37	128855	9	157393	10.6	124.5	418.4	1837	116487	2	140379	9.5	93.4	0	+∞	Si
56	151283	3	172891	11.7	124.5	459.5	1837	135657	2	152112	10.3	93.4	0	+∞	Si
75	168915	3	181641	12.3	124.5	482.8	1837	149177	2	158196	10.7	93.4	0	+∞	Si
84	175201	3	183486	11.8	124.5	487.7	1837	153818	2	159119	10.7	93.4	0	+∞	Si
103	182711	3	183936	11.8	124.5	488.9	1837	158863	2	159267	10.8	93.4	0	+∞	Si
121	183474	3	183936	11.8	124.5	488.9	1837	158258	2	159267	10.8	93.4	0	+∞	Si
140	177489	3	183766	11.8	124.5	488.5	1837	152003	2	158896	10.7	93.4	0	+∞	Si
159	164756	3	179915	12.2	124.5	478.2	1837	140098	2	154428	10.4	93.4	0	+∞	Si
177	145452	2	169316	11.4	124.5	450	1837	122543	2	144310	9.7	93.4	0	+∞	Si
196	119483	2	152064	10.3	124.5	404.2	1837	99338	2	128542	8.7	93.4	0	+∞	Si
215	86766	2	128229	8.7	124.5	340.8	1837	70483	2	107123	7.2	93.4	0	+∞	Si
224	67877	2	113781	7.7	124.5	301.8	1837	53937	2	94295	6.4	93.4	0	+∞	Si
243	25039	2	79824	5.4	124.5	212.2	1837	16606	2	64402	4.3	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
261	-32772	8	-41635	2.8	124.5	110.7	1837	-27157	1	-35806	1.8	93.4	0	+∞	Si
265	-41635	8	-41635	2.8	124.5	110.7	1837	-35806	1	-35806	1.8	93.4	0	+∞	Si
280	-85064	9	-62246	4.2	124.5	165.5	1837	-75004	2	-54498	3.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
19	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
37	0.005	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
56	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.011	2	0.011	2	9999	Si
75	0.008	0.006	0.007	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.014	2	0.013	2	9999	Si
84	0.009	0.007	0.007	0.006	0.008	0.007	0.006	0.006	0.007	0.007	0.015	2	0.014	2	9999	Si
103	0.009	0.008	0.008	0.006	0.009	0.008	0.007	0.006	0.008	0.008	0.017	2	0.016	2	9999	Si
121	0.01	0.008	0.008	0.007	0.009	0.008	0.007	0.007	0.009	0.008	0.017	2	0.016	2	9999	Si
131	0.01	0.008	0.008	0.007	0.009	0.008	0.007	0.007	0.009	0.008	0.017	2	0.016	2	9999	Si
140	0.01	0.008	0.008	0.007	0.009	0.008	0.007	0.007	0.009	0.008	0.017	2	0.016	2	9999	Si
159	0.01	0.008	0.008	0.006	0.009	0.008	0.007	0.006	0.008	0.008	0.017	2	0.015	2	9999	Si
177	0.009	0.007	0.007	0.006	0.008	0.007	0.006	0.006	0.007	0.007	0.015	2	0.014	2	9999	Si
196	0.008	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
215	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.01	2	9999	Si
224	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.009	2	0.008	2	9999	Si
243	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
261	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
265	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Trave a "Piano 1" 49A-54

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 49A - 49B, sezione R 45x70, asta 769

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	5.4	362651	LU 12	362651	2773116	0.1						Si
22	15.21	5.4	22.81	5.4	366742	LU 12	366667	2773116	0.1						Si
23	15.21	5.4	22.81	5.4	366589	LU 12	366589	2773116	0.1						Si
44	15.21	5.4	22.81	5.4	356182	LU 12	366589	2773116	0.1						Si
66	15.21	5.4	22.61	5.4	330970	LU 12	360744	2750269	0.1						Si
88	13.83	5.4	19.65	5.4	291106	LU 12	340230	2399493	0.096						Si
99	12.79	5.4	15.21	5.4	265679	LU 12	324479	1872924	0.089						Si
121	10.71	5.4	15.21	5.4	203955	LU 11	281988	1873129	0.09						Si
143	7.6	5.4	15.21	5.4	127614	LU 11	224913	1873491	0.092						Si
165	7.6	5.4	15.21	5.4	36620	LU 11	178920	1873491	0.092	25863	LU 8	-107056	-971252	0.079	Si
187	7.6	5.4	15.21	5.4	-36661	LU 1	167931	1873491	0.092	-69604	LU 12	-232207	-971252	0.079	Si
209	7.6	5.4	15.21	5.4	-109690	LU 1	134964	1873491	0.092	-190055	LU 12	-372009	-971252	0.079	Si
231	7.6	5.4	15.21	5.4	-191455	LU 1	80018	1873491	0.092	-325159	LU 12	-526463	-971252	0.079	Si
253	12.16	5.4	15.21	5.4	-281957	LU 1	3094	1872994	0.09	-474914	LU 12	-695570	-1512328	0.085	Si
264	13.2	5.4	15.21	5.4						-555287	LU 12	-785618	-1635336	0.086	Si
286	15.21	5.4	15.21	5.4						-727021	LU 12	-909187	-1872764	0.089	Si
308	15.21	5.4	15.21	5.4						-909187	LU 12	-909187	-1872764	0.089	Si
308	15.21	5.4	15.21	5.4						-913407	LU 12	-913407	-1872764	0.089	Si
330	15.21	5.4	15.21	5.4						-1114445	LU 12	-1008027	-1872764	0.089	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.61	0	520	LU 11	520	13721	76908	0	13721	1	Si
22	0	19.65	0	-215	LU 17	-215	-13094	-76908	0	-13094	1	Si
23	0.144	19.65	0	-226	LU 17	-226	-13094	-76908	-16673	-16673	1	Si
44	0.144	15.21	0	-813	LU 12	-813	-12021	-76908	-16673	-16673	1	Si
66	0.144	15.21	0	-1478	LU 12	-1478	-12021	-76908	-16673	-16673	1	Si
88	0.144	15.21	0	-2144	LU 12	-2144	-12021	-76908	-16673	-16673	1	Si
99	0.166	15.21	0	-2477	LU 12	-2477	-12021	-76908	-19295	-19295	1	Si
121	0.166	15.21	0	-3142	LU 12	-3142	-12021	-76908	-19295	-19295	1	Si
143	0.166	15.21	0	-3808	LU 12	-3808	-12021	-76908	-19295	-19295	1	Si
165	0.166	15.21	0	-4474	LU 12	-4474	-12021	-76908	-19295	-19295	1	Si
187	0.166	10.71	0	-5139	LU 12	-5139	-10697	-76908	-19295	-19295	1	Si
209	0.166	7.6	0	-5805	LU 12	-5805	-9541	-76908	-19295	-19295	1	Si
231	0.166	7.6	0	-6471	LU 12	-6471	-9541	-76908	-19295	-19295	1	Si
253	0.187	7.6	0	-7136	LU 12	-7136	-9541	-76908	-21675	-21675	1	Si
264	0.187	7.6	0	-7469	LU 12	-7469	-9541	-76908	-21675	-21675	1	Si
286	0.187	7.6	0	-8135	LU 12	-8135	-9541	-76908	-21675	-21675	1	Si
308	0.187	11.13	0	-8786	LU 12	-8786	-10833	-76908	-21675	-21675	1	Si
308	0	11.13	0	-8801	LU 12	-8801	-10833	-76908	0	-10833	1	Si
330	0	13.2	0	-9466	LU 12	-9466	-11468	-76908	0	-11468	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	272617	3	272617	7.1	124.5	206.9	1837	243600	2	243600	6.3	93.4	0	+∞	Si
22	275508	3	275452	7.2	124.5	209	1837	245356	2	245308	6.4	93.4	0	+∞	Si
23	275390	3	275390	7.2	124.5	209	1837	245239	2	245239	6.4	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
44	267467	3	275390	7.2	124.5	209	1837	237718	2	245239	6.4	93.4	0	+∞	Si
66	248493	3	270922	7.1	124.5	207.3	1837	220685	2	240921	6.3	93.4	0	+∞	Si
88	218586	3	255454	7.1	124.5	224	1837	194257	2	226901	6.3	93.4	0	+∞	Si
99	199532	3	243620	7.5	124.5	273.6	1837	177520	2	216368	6.6	93.4	0	+∞	Si
121	153305	2	211753	6.7	124.5	238.3	1837	136999	2	188255	5.9	93.4	0	+∞	Si
143	96168	2	168998	5.5	124.5	190.8	1837	87083	2	150747	4.9	93.4	0	+∞	Si
165	28098	2	115367	3.8	124.5	130.3	1837	27772	2	103844	3.4	93.4	0	+∞	Si
187	-51291	3	-172832	3.7	124.5	58.9	1837	-40934	2	-146341	5.6	93.4	0	+∞	Si
209	-141329	3	-277310	6	124.5	94.5	1837	-119035	2	-236850	9.1	93.4	0	+∞	Si
231	-242300	3	-392720	8.4	124.5	133.9	1837	-206532	2	-336755	12.9	93.4	0	+∞	Si
253	-354204	3	-519063	16.6	124.5	721.9	1837	-303423	2	-446054	14.3	93.4	0	+∞	Si
264	-414255	3	-586334	18.3	124.5	753.3	1837	-355392	2	-504227	15.7	93.4	0	+∞	Si
286	-542559	3	-678643	20.1	124.5	760.6	1837	-466376	2	-584030	17.3	93.4	0	+∞	Si
308	-678643	3	-678643	20.1	124.5	760.6	1837	-584030	2	-584030	17.3	93.4	0	+∞	Si
308	-681795	3	-681795	20.2	124.5	764.1	1837	-586755	2	-586755	17.4	93.4	0	+∞	Si
330	-831964	3	-752477	22.3	124.5	843.3	1837	-716530	2	-647851	19.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
22	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
23	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
44	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.002	2	9999	Si
66	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
88	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
99	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.002	2	0.002	2	9999	Si
121	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2	0.001	2	9999	Si
143	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0	1	0	1	9999	Si
165	0	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	1	-0.002	1	9999	Si
187	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
209	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.001	-0.004	1	-0.005	1	9999	Si
231	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
253	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	1	-0.006	1	9999	Si
264	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	1	-0.006	1	9999	Si
286	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
308	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
308	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	1	-0.004	1	9999	Si

Campata 2 tra i fili 49B - 49C, sezione R 45x70, asta 770

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4						-872597	LU 12	-779056	-1872764	0.089	Si
22	15.21	5.4	15.21	5.4						-699990	LU 12	-699990	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4						-698850	LU 12	-698850	-1872764	0.089	Si
45	15.21	5.4	15.21	5.4						-553755	LU 12	-698850	-1872764	0.089	Si
67	13.11	5.4	15.21	5.4						-433891	LU 12	-595877	-1624529	0.086	Si
89	11.01	5.4	15.21	5.4	-219941	LU 1	80429	1873090	0.09	-340398	LU 12	-468058	-1374910	0.083	Si
100	7.6	5.4	15.21	5.4	-201282	LU 1	144705	1873491	0.092	-303541	LU 12	-414038	-971252	0.079	Si
123	7.6	5.4	15.21	5.4	-175020	LU 1	243589	1873491	0.092	-251813	LU 18	-325777	-971252	0.079	Si
145	7.6	5.4	15.21	5.4	-163500	LU 1	302917	1873491	0.092	-228637	LU 18	-264281	-971252	0.079	Si
167	7.6	5.4	15.21	5.4	-166723	LU 1	322686	1873491	0.092	-229670	LU 18	-268005	-971252	0.079	Si
190	7.6	5.4	15.21	5.4	-184689	LU 1	302899	1873491	0.092	-254914	LU 18	-324760	-971252	0.079	Si
212	7.6	5.4	15.21	5.4	-217397	LU 1	243555	1873491	0.092	-304366	LU 18	-405725	-971252	0.079	Si
234	7.6	5.4	15.21	5.4	-264847	LU 1	144653	1873491	0.092	-378029	LU 18	-517221	-971252	0.079	Si
246	11.01	5.4	15.21	5.4	-294101	LU 1	80368	1873090	0.09	-424352	LU 12	-583234	-1374910	0.083	Si
268	13.11	5.4	15.21	5.4						-541832	LU 12	-735040	-1624529	0.086	Si
290	15.21	5.4	15.21	5.4						-685682	LU 12	-854622	-1872764	0.089	Si
312	15.21	5.4	15.21	5.4						-854622	LU 12	-854622	-1872764	0.089	Si
313	15.21	5.4	15.21	5.4						-855942	LU 12	-855942	-1872764	0.089	Si
335	15.21	5.4	15.21	5.4						-1052509	LU 12	-947004	-1872764	0.089	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.11	0	8325	LU 11	8325	11442	76908	0	11442	1	Si
22	0	11.01	0	7145	LU 11	7145	10793	76908	0	10793	1	Si
23	0.158	11.01	0	7137	LU 11	7137	10793	76908	18340	18340	1	Si
45	0.158	7.6	0	5965	LU 11	5965	9541	76908	18340	18340	1	Si
67	0.158	7.6	0	4784	LU 11	4784	9541	76908	18340	18340	1	Si
89	0.158	7.6	0	3603	LU 11	3603	9541	76908	18340	18340	1	Si
100	0.141	7.6	0	3013	LU 11	3013	9541	76908	16339	16339	1	Si
123	0.141	7.6	0	1832	LU 11	1832	9541	76908	16339	16339	1	Si
145	0.141	7.6	0	651	LU 11	651	9541	76908	16339	16339	1	Si
167	0.141	7.6	0	-649	LU 17	-649	-9541	-76908	-16339	-16339	1	Si
190	0.141	7.6	0	-1718	LU 12	-1718	-9541	-76908	-16339	-16339	1	Si
212	0.141	7.6	0	-2899	LU 12	-2899	-9541	-76908	-16339	-16339	1	Si
234	0.141	7.6	0	-4079	LU 12	-4079	-9541	-76908	-16339	-16339	1	Si
246	0.172	7.6	0	-4670	LU 12	-4670	-9541	-76908	-20007	-20007	1	Si
268	0.172	7.6	0	-5851	LU 12	-5851	-9541	-76908	-20007	-20007	1	Si
290	0.172	7.6	0	-7031	LU 12	-7031	-9541	-76908	-20007	-20007	1	Si
312	0.172	11.01	0	-8212	LU 12	-8212	-10793	-76908	-20007	-20007	1	Si
313	0	11.01	0	-8221	LU 12	-8221	-10793	-76908	0	-10793	1	Si
335	0	13.11	0	-9317	LU 12	-9317	-11442	-76908	0	-11442	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-648651	3	-579579	17.2	124.5	649.6	1837	-545611	2	-489640	14.5	93.4	0	+∞	Si
22	-521233	3	-521233	15.5	124.5	584.2	1837	-442531	2	-442531	13.1	93.4	0	+∞	Si
23	-520391	3	-520391	15.4	124.5	583.2	1837	-441852	2	-441852	13.1	93.4	0	+∞	Si
45	-413361	3	-520391	15.4	124.5	583.2	1837	-355634	2	-441852	13.1	93.4	0	+∞	Si
67	-325036	3	-444426	13.9	124.5	574.8	1837	-284921	2	-380625	11.9	93.4	0	+∞	Si
89	-256258	3	-350205	11.6	124.5	536.8	1837	-230393	2	-305031	10.1	93.4	0	+∞	Si
100	-229198	3	-310424	6.7	124.5	105.8	1837	-209197	2	-273303	10.5	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
123	-191211	9	-245523	5.3	124.5	83.7	1837	-178944	2	-221984	8.5	93.4	0	+∞	Si
145	-174225	9	-200431	4.3	124.5	68.3	1837	-164874	2	-186849	7.1	93.4	0	+∞	Si
167	-175343	9	-204462	4.4	124.5	69.7	1837	-166989	2	-194467	7.4	93.4	0	+∞	Si
190	-194568	9	-247253	5.3	124.5	84.3	1837	-185287	2	-233831	8.9	93.4	0	+∞	Si
212	-231897	9	-308150	6.6	124.5	105	1837	-219768	2	-289378	11.1	93.4	0	+∞	Si
234	-287332	9	-391365	8.4	124.5	133.4	1837	-270434	2	-361109	13.8	93.4	0	+∞	Si
246	-322115	3	-440554	14.6	124.5	675.3	1837	-301836	2	-403044	13.4	93.4	0	+∞	Si
268	-409710	3	-553592	17.3	124.5	716	1837	-376777	2	-499050	15.6	93.4	0	+∞	Si
290	-516851	3	-642585	19.1	124.5	720.2	1837	-467902	2	-574402	17	93.4	0	+∞	Si
312	-642585	3	-642585	19.1	124.5	720.2	1837	-574402	2	-574402	17	93.4	0	+∞	Si
313	-643567	3	-643567	19.1	124.5	721.3	1837	-575233	2	-575233	17.1	93.4	0	+∞	Si
335	-789778	3	-711320	21.1	124.5	797.2	1837	-698686	2	-632528	18.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
23	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
45	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si
67	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.013	1	-0.013	1	9999	Si
89	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.015	1	-0.016	1	9999	Si
100	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.016	1	-0.017	1	9999	Si
123	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.018	1	-0.019	1	9999	Si
145	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.019	1	-0.02	1	9999	Si
167	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.02	1	-0.02	1	9999	Si
179	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.02	1	-0.02	1	9999	Si
190	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.02	1	-0.02	1	9999	Si
212	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.019	1	-0.02	1	9999	Si
234	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.018	1	-0.018	1	9999	Si
246	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.017	1	-0.017	1	9999	Si
268	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.015	1	-0.015	1	9999	Si
290	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
312	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
313	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si

Campata 3 tra i fili 49C - 50, sezione R 45x70, asta 771

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4						-1435241	LU 12	-1284073	-1872764	0.089	Si
21	15.21	5.4	15.21	5.4						-1164185	LU 12	-1163869	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4						-1146084	LU 12	-1146084	-1872764	0.089	Si
42	15.21	5.4	15.21	5.4						-916598	LU 12	-1146084	-1872764	0.089	Si
63	13.49	5.4	15.21	5.4						-692328	LU 12	-1009502	-1669231	0.086	Si
84	11.51	5.4	15.21	5.4	-345491	LU 1	68503	1873047	0.09	-493885	LU 18	-776272	-1434530	0.084	Si
95	7.6	5.4	15.21	5.4	-289829	LU 1	125337	1873491	0.092	-406454	LU 18	-668400	-971252	0.079	Si
116	7.6	5.4	15.21	5.4	-174691	LU 2	212774	1873491	0.092	-257157	LU 17	-473651	-971252	0.079	Si
137	7.6	5.4	15.21	5.4	-59493	LU 2	265236	1873491	0.092	-138432	LU 17	-307665	-971252	0.079	Si
158	7.6	5.4	15.21	5.4	36299	LU 2	282723	1873491	0.092	-36652	LU 17	-182428	-971252	0.079	Si
179	7.6	5.4	15.21	5.4	124373	LU 12	265235	1873491	0.092	36495	LU 6	-74137	-971252	0.079	Si
200	7.6	5.4	15.21	5.4	197084	LU 12	258741	1873491	0.092						Si
221	7.6	5.4	21	6.5	246480	LU 12	275860	2512733	0.11						Si
242	7.6	5.4	22.81	6.7	272558	LU 12	276854	2711952	0.116						Si
252	11.39	5.4	22.81	6.7	276854	LU 12	276854	2712564	0.107						Si
273	13.37	5.4	22.81	6.7	267958	LU 12	276854	2712493	0.104						Si
293	15.21	5.4	22.81	6.7	240028	LU 18	274668	2712392	0.102						Si
294	15.21	5.4	22.81	6.7	237994	LU 18	237797	2712392	0.102						Si
315	15.21	5.4	22.81	6.7	193453	LU 18	193453	2712392	0.102						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.49	0	13464	LU 12	13464	11550	76908	0	11550	1	Si
21	0	11.51	0	12345	LU 12	12345	10955	76908	0	10955	1	Si
23	0.259	11.51	0	12266	LU 12	12266	10955	76908	30011	30011	1	Si
42	0.259	7.6	0	11235	LU 12	11235	9541	76908	30011	30011	1	Si
63	0.259	7.6	0	10124	LU 12	10124	9541	76908	30011	30011	1	Si
84	0.259	7.6	0	9014	LU 12	9014	9541	76908	30011	30011	1	Si
95	0.232	7.6	0	8459	LU 12	8459	9541	76908	26933	26933	1	Si
116	0.232	7.6	0	7349	LU 12	7349	9541	76908	26933	26933	1	Si
137	0.232	7.6	0	6238	LU 12	6238	9541	76908	26933	26933	1	Si
158	0.232	15.21	0	5128	LU 12	5128	12021	76908	26933	26933	1	Si
179	0.232	15.21	0	4018	LU 12	4018	12021	76908	26933	26933	1	Si
200	0.232	15.21	0	2975	LU 18	2975	12021	76908	26933	26933	1	Si
221	0.232	15.21	0	2022	LU 17	2022	11920	75595	26473	26473	1	Si
242	0.187	15.21	0	1216	LU 17	1216	11899	75321	21227	21227	1	Si
252	0.187	15.21	0	812	LU 17	812	11899	75321	21227	21227	1	Si
252	0.187	15.21	0	-59	LU 2	-59	-11899	-75321	-21227	-21227	1	Si
273	0.187	19.58	0	44	LU 8	44	12946	75321	21227	21227	1	Si
273	0.187	19.58	0	-1022	LU 11	-1022	-12946	-75321	-21227	-21227	1	Si
293	0.187	21.81	0	-2053	LU 11	-2053	-13542	-75321	-21227	-21227	1	Si
294	0	21.81	0	-2132	LU 11	-2132	-13542	-75321	0	-13542	1	Si
315	0	22.81	0	-3243	LU 11	-3243	-13621	-75321	0	-13621	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1077920	3	-965247	28.6	124.5	1081.8	1837	-957611	2	-861467	25.6	93.4	0	+∞	Si
21	-875843	3	-875606	26	124.5	981.3	1837	-784967	2	-784758	23.3	93.4	0	+∞	Si
23	-862343	3	-862343	25.6	124.5	966.5	1837	-773409	2	-773409	23	93.4	0	+∞	Si
42	-691163	3	-862343	25.6	124.5	966.5	1837	-626725	2	-773409	23	93.4	0	+∞	Si
63	-523764	3	-760472	23.5	124.5	957	1837	-482792	2	-686161	21.2	93.4	0	+∞	Si
84	-375322	9	-586433	19.2	124.5	860.7	1837	-353168	2	-536729	17.6	93.4	0	+∞	Si
95	-309613	9	-505894	10.9	124.5	171.8	1837	-293722	2	-467379	17.9	93.4	0	+∞	Si
116	-196542	8	-360115	7.7	124.5	122.8	1837	-188279	1	-339411	13	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
137	-105590	8	-235250	5.1	124.5	80.2	1837	-99765	1	-226051	8.6	93.4	0	+∞	Si
158	16105	2	110823	3.6	124.5	125.1	1837								Si
158	-27673	8	-139289	3	124.5	47.5	1837	-24285	1	-132527	5.1	93.4	0	+∞	Si
179	88003	3	159244	5.2	124.5	179.8	1837	53065	2	119435	3.9	93.4	0	+∞	Si
200	143066	3	190383	6.2	124.5	215	1837	103989	2	150551	4.9	93.4	0	+∞	Si
221	180846	3	204240	6.2	124.5	176.9	1837	140604	2	167358	5.1	93.4	0	+∞	Si
242	201344	3	205112	6.1	124.5	165.8	1837	162910	2	170907	5.1	93.4	0	+∞	Si
252	205112	3	205112	5.8	124.5	164.8	1837	168697	2	170907	4.8	93.4	0	+∞	Si
273	199686	3	205112	5.6	124.5	164.3	1837	169540	2	170907	4.7	93.4	0	+∞	Si
293	179953	9	204128	5.5	124.5	163.2	1837	157291	2	170786	4.6	93.4	0	+∞	Si
294	178477	9	178329	4.8	124.5	142.5	1837	156073	2	155937	4.2	93.4	0	+∞	Si
315	145813	9	145813	3.9	124.5	116.5	1837	128297	2	128297	3.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
23	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
42	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si
63	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	2	-0.01	2	9999	Si
84	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	2	-0.01	2	9999	Si
95	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	2	-0.01	2	9999	Si
116	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.009	2	-0.009	2	9999	Si
137	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.007	2	-0.008	2	9999	Si
158	-0.001	-0.002	-0.002	-0.003	-0.001	-0.002	-0.002	-0.003	-0.002	-0.002	-0.006	2	-0.006	2	9999	Si
179	0	-0.001	-0.001	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.004	2	-0.005	2	9999	Si
200	0.001	-0.001	0	-0.001	0	0	-0.001	-0.001	0	0	-0.002	2	-0.003	2	9999	Si
221	0.001	0	0	-0.001	0.001	0	0	-0.001	0	0	-0.001	2	-0.002	2	9999	Si
242	0.001	0	0	0	0.001	0	0	0	0.001	0	0	2	-0.001	2	9999	Si
252	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0	2	0	2	9999	Si
273	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0	2	0	2	9999	Si
293	0.001	0	0	0	0.001	0	0	0	0	0	0	2	0	2	9999	Si
294	0.001	0	0	0	0.001	0	0	0	0	0	0	2	0	2	9999	Si

Campata 4 tra i fili 50 - ?, sezione R 45x70, asta 772

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	6.7						-951705	LU 12	-822424	-1935134	0.1	Si
23	15.21	5.4	22.81	6.7						-707256	LU 18	-707256	-1935134	0.1	Si
45	13.05	5.4	19.81	6.6						-486116	LU 18	-707256	-1668182	0.095	Si
68	10.92	5.4	12.23	6.4						-313378	LU 17	-546332	-1390044	0.089	Si
79	7.6	5.4	11.4	5.4	-125145	LU 2	33395	1422093	0.084	-235271	LU 17	-446128	-970824	0.078	Si
91	7.6	5.4	11.4	5.4	-58643	LU 2	87204	1422093	0.084	-162099	LU 17	-360297	-970824	0.078	Si
102	7.6	5.4	11.4	5.4	2208	LU 2	149733	1422093	0.084	-93863	LU 17	-279401	-970824	0.078	Si
125	7.6	5.4	11.4	5.4	114370	LU 11	251729	1422093	0.084	20387	LU 8	-132416	-970824	0.078	Si
147	7.6	5.4	11.4	5.4	219143	LU 12	313760	1422093	0.084	99366	LU 1	-5299	-970824	0.078	Si
170	7.6	5.4	11.4	5.4	297406	LU 12	357185	1422093	0.084						Si
193	7.6	5.4	11.4	5.4	348505	LU 12	373437	1422093	0.084						Si
215	7.6	5.4	11.4	5.4	372439	LU 12	374205	1422093	0.084						Si
238	7.6	5.4	11.4	5.4	371773	LU 18	374205	1422093	0.084						Si
261	14.12	5.4	11.4	5.4	354034	LU 18	372001	1422107	0.084						Si
272	15.72	5.4	15.89	5.4	337092	LU 17	369279	1954195	0.089						Si
295	18.93	5.4	18.95	5.4	310354	LU 17	346083	2315600	0.092						Si
317	19.01	5.4	19.01	5.4	263305	LU 17	319077	2322809	0.092						Si
340	19.01	5.4	19.01	5.4	197358	LU 17	197358	2322809	0.092	-27653	LU 2	-27653	-2322809	0.092	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.92	0	11842	LU 12	11842	10764	76908	0	10764	1	Si
11	0	7.6	0	11243	LU 12	11243	9541	76908	0	9541	1	Si
23	0.187	7.6	0	10652	LU 12	10652	9541	76908	21675	21675	1	Si
45	0.187	7.6	0	9445	LU 12	9445	9541	76908	21675	21675	1	Si
68	0.187	7.6	0	8247	LU 12	8247	9541	76908	21675	21675	1	Si
91	0.187	7.6	0	7048	LU 12	7048	9541	76908	21675	21675	1	Si
102	0.149	7.6	0	6449	LU 12	6449	9541	76908	17318	17318	1	Si
125	0.149	11.4	0	5278	LU 18	5278	10922	76908	17318	17318	1	Si
147	0.149	11.4	0	4178	LU 18	4178	10922	76908	17318	17318	1	Si
170	0.149	11.4	0	3190	LU 17	3190	10922	76908	17318	17318	1	Si
193	0.149	11.4	0	2319	LU 17	2319	10922	76908	17318	17318	1	Si
215	0.149	11.4	0	1448	LU 17	1448	10922	76908	17318	17318	1	Si
238	0.149	11.4	0	573	LU 17	573	10922	76908	17318	17318	1	Si
238	0.149	11.4	0	-871	LU 2	-871	-10922	-76908	-17318	-17318	1	Si
261	0.144	11.4	0	-1994	LU 11	-1994	-10922	-76908	-16673	-16673	1	Si
272	0.144	11.4	0	-2597	LU 11	-2597	-10922	-76908	-16673	-16673	1	Si
295	0.144	11.4	0	-3804	LU 11	-3804	-10922	-76908	-16673	-16673	1	Si
317	0.144	11.4	0	-5018	LU 11	-5018	-10922	-76908	-16673	-16673	1	Si
340	0	15.89	0	-6208	LU 11	-6208	-12199	-76908	0	-12199	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-722105	3	-624951	17.6	124.5	702.1	1837	-675591	2	-588187	16.5	93.4	0	+∞	Si
23	-538201	9	-538201	15.1	124.5	604.6	1837	-508966	2	-508966	14.3	93.4	0	+∞	Si
45	-371559	9	-538201	16.4	124.5	701.5	1837	-356604	2	-508966	15.5	93.4	0	+∞	Si
68	-239361	8	-416946	14.7	124.5	647.5	1837	-228320	1	-398129	14	93.4	0	+∞	Si
91	-123494	8	-275311	6.2	124.5	95.5	1837	-115713	1	-263349	10.6	93.4	0	+∞	Si
102	-71256	8	-213334	4.8	124.5	74	1837	-65104	1	-203003	8.1	93.4	0	+∞	Si
125	79543	2	177745	6.5	124.5	264.6	1837	41170	2	135288	4.9	93.4	0	+∞	Si
147	159344	3	232160	8.4	124.5	345.7	1837	117311	2	190050	6.9	93.4	0	+∞	Si
170	219447	3	266441	9.7	124.5	396.7	1837	176781	2	228140	8.3	93.4	0	+∞	Si
193	259416	3	280581	10.2	124.5	417.8	1837	219581	2	249556	9.1	93.4	0	+∞	Si
215	279250	3	281606	10.2	124.5	419.3	1837	245711	2	255128	9.3	93.4	0	+∞	Si
238	280654	9	281606	10.2	124.5	419.3	1837	255128	2	255128	9.3	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
261	268640	9	280654	9.3	124.5	415.8	1837	247774	2	255128	8.5	93.4	0	+∞	Si
272	256486	8	279061	8.1	124.5	299.6	1837	238190	1	254441	7.4	93.4	0	+∞	Si
295	235417	8	262965	6.9	124.5	237.6	1837	213861	1	243439	6.4	93.4	0	+∞	Si
317	198721	8	242265	6.4	124.5	218.2	1837	173880	1	221606	5.8	93.4	0	+∞	Si
340	147494	8	147494	3.9	124.5	132.9	1837	119418	1	119418	3.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	2	-0.001	2	9999	Si
45	0	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	2	-0.002	2	9999	Si
68	0.001	0	0	0	0.001	0	0	0	0.001	0	0	2	-0.001	2	9999	Si
91	0.002	0.001	0.001	0	0.002	0.001	0.001	0	0.002	0.001	0.002	2	0.001	2	9999	Si
102	0.003	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.002	2	9999	Si
125	0.004	0.003	0.003	0.002	0.004	0.003	0.002	0.002	0.003	0.003	0.005	2	0.004	2	9999	Si
147	0.005	0.004	0.004	0.002	0.005	0.004	0.003	0.002	0.004	0.004	0.007	2	0.006	2	9999	Si
170	0.006	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.009	2	0.008	2	9999	Si
193	0.007	0.005	0.005	0.004	0.006	0.005	0.004	0.004	0.006	0.005	0.01	2	0.009	2	9999	Si
215	0.007	0.005	0.005	0.004	0.006	0.005	0.004	0.004	0.006	0.005	0.011	2	0.01	2	9999	Si
238	0.006	0.005	0.005	0.004	0.006	0.005	0.004	0.004	0.005	0.005	0.01	2	0.009	2	9999	Si
261	0.006	0.005	0.004	0.003	0.005	0.005	0.004	0.003	0.005	0.005	0.009	2	0.008	2	9999	Si
272	0.005	0.004	0.004	0.003	0.005	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
295	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
317	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si

Campata 5 tra i fili ? - 52A, sezione R 45x70, asta 773

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4						-572606	LU 11	-492744	-2322809	0.092	Si
17	19.01	5.4	19.01	5.4						-456215	LU 11	-452062	-2322809	0.092	Si
23	19.01	5.4	19.01	5.4						-422857	LU 11	-422857	-2322809	0.092	Si
34	19.01	5.4	19.01	5.4						-351850	LU 11	-422857	-2322809	0.092	Si
51	19.01	5.4	19.01	5.4						-259510	LU 11	-422857	-2322809	0.092	Si
60	19.01	5.4	19.01	5.4						-217850	LU 11	-371453	-2322809	0.092	Si
77	19.01	5.4	17.83	5.4	-74623	LU 8	59673	2183954	0.091	-143548	LU 11	-276787	-2322926	0.093	Si
94	19.01	5.4	15.52	5.4	-41377	LU 6	104768	1910128	0.088	-81699	LU 12	-194147	-2323077	0.094	Si
112	17.34	5.4	11.4	5.4	-13604	LU 1	131825	1422107	0.084	-32208	LU 12	-123532	-2126535	0.094	Si
129	14.92	5.4	11.4	5.4	12063	LU 10	140844	1422107	0.084	-134	LU 9	-65603	-1838781	0.089	Si
146	11.89	5.4	11.4	5.4	33408	LU 11	131825	1422094	0.084	15519	LU 8	-19799	-1550830	0.085	Si
163	7.6	5.4	11.4	5.4	47584	LU 11	104768	1422093	0.084						Si
180	7.6	5.4	11.4	5.4	49735	LU 11	59673	1422093	0.084	19460	LU 8	-3576	-970824	0.078	Si
197	7.6	5.4	11.4	5.4	41943	LU 10	50162	1422093	0.084	9690	LU 9	-29971	-970824	0.078	Si
206	7.6	5.4	11.4	5.4	35652	LU 10	49900	1422093	0.084	754	LU 9	-46951	-970824	0.078	Si
223	7.6	5.4	11.4	5.4	16388	LU 10	43514	1422093	0.084	-23894	LU 9	-46951	-970824	0.078	Si
235	7.6	5.4	11.4	5.4	-1801	LU 1	35704	1422093	0.084	-46951	LU 18	-46951	-970824	0.078	Si
240	7.6	5.4	11.4	5.4						-60297	LU 18	-58531	-970824	0.078	Si
257	7.6	5.4	11.4	5.4						-111573	LU 18	-74661	-970824	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	7130	LU 11	7130	12949	76908	0	12949	1	Si
17	0	19.01	0	6430	LU 11	6430	12949	76908	0	12949	1	Si
23	0.201	19.01	0	6212	LU 11	6212	12949	76908	23342	23342	1	Si
34	0.201	18.56	0	5729	LU 11	5729	12846	76908	23342	23342	1	Si
51	0.201	16.13	0	5029	LU 11	5029	12260	76908	23342	23342	1	Si
60	0.201	14.92	0	4679	LU 11	4679	11944	76908	23342	23342	1	Si
77	0.201	11.89	0	3978	LU 11	3978	11258	76908	23342	23342	1	Si
94	0.18	7.6	0	3278	LU 11	3278	9541	76908	20927	20927	1	Si
112	0.18	7.6	0	2577	LU 11	2577	9541	76908	20927	20927	1	Si
129	0.18	11.4	0	1877	LU 11	1877	10922	76908	20927	20927	1	Si
146	0.18	11.4	0	1176	LU 11	1176	10922	76908	20927	20927	1	Si
163	0.18	11.4	0	476	LU 11	476	10922	76908	20927	20927	1	Si
180	0.172	11.4	0	-403	LU 18	-403	-10922	-76908	-20007	-20007	1	Si
197	0.172	11.4	0	-1049	LU 18	-1049	-10922	-76908	-20007	-20007	1	Si
206	0.172	11.4	0	-1372	LU 18	-1372	-10922	-76908	-20007	-20007	1	Si
223	0.172	7.6	0	-2021	LU 12	-2021	-9541	-76908	-20007	-20007	1	Si
235	0.172	7.6	0	-2503	LU 12	-2503	-9541	-76908	-20007	-20007	1	Si
240	0	7.6	0	-2721	LU 12	-2721	-9541	-76908	0	-9541	1	Si
257	0	7.6	0	-3422	LU 12	-3422	-9541	-76908	0	-9541	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-425662	2	-366255	9.6	124.5	329.9	1837	-358302	2	-308111	8.1	93.4	0	+∞	Si
17	-339076	2	-335986	8.8	124.5	302.7	1837	-285118	2	-282506	7.4	93.4	0	+∞	Si
23	-314257	2	-314257	8.3	124.5	283.1	1837	-264124	2	-264124	7	93.4	0	+∞	Si
34	-261421	2	-314257	8.3	124.5	283.1	1837	-219412	2	-264124	7	93.4	0	+∞	Si
51	-192697	2	-314257	8.3	124.5	283.1	1837	-161184	2	-264124	7	93.4	0	+∞	Si
60	-161684	2	-276008	7.3	124.5	248.6	1837	-134873	2	-231758	6.1	93.4	0	+∞	Si
77	-106356	2	-205556	5.5	124.5	185.4	1837	-87861	2	-172083	4.6	93.4	0	+∞	Si
94	-60245	3	-144036	4	124.5	130.2	1837	-48327	2	-119886	3.3	93.4	0	+∞	Si
112	-23286	3	-91446	2.7	124.5	90.6	1837	-16271	2	-75167	2.2	93.4	0	+∞	Si
129	9280	1	33732	1.1	124.5	50	1837	9280	1	32656	1.1	93.4	0	+∞	Si
146	25646	2	38308	1.3	124.5	56.8	1837	25410	2	37094	1.3	93.4	0	+∞	Si
163	36320	2	38308	1.4	124.5	57	1837	35033	2	37179	1.3	93.4	0	+∞	Si
180	38063	2	38308	1.4	124.5	57	1837	37179	2	37179	1.3	93.4	0	+∞	Si
197	32264	1	38308	1.4	124.5	57	1837	32264	1	37179	1.3	93.4	0	+∞	Si
206	27425	1	38158	1.4	124.5	56.8	1837	27425	1	37179	1.3	93.4	0	+∞	Si
223	12606	1	33472	1.2	124.5	49.8	1837	12606	1	33472	1.2	93.4	0	+∞	Si
223	-11727	9	-31541	0.7	124.5	10.9	1837								Si
235	-31541	9	-31541	0.7	124.5	10.9	1837	-6152	2	-6152	0.2	93.4	0	+∞	Si
240	-41407	9	-40099	0.9	124.5	13.9	1837	-14197	2	-13120	0.5	93.4	0	+∞	Si
257	-79394	9	-52022	1.2	124.5	18	1837	-45701	2	-22825	0.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
17	0	-0.001	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
23	0	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	1	-0.001	1	9999	Si
34	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
51	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
60	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
77	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.002	1	-0.002	1	9999	Si
94	0	-0.001	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	1	-0.002	1	9999	Si
112	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
129	0	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
146	0	0	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
163	0	0	0	0	0	0	0	0	0	0	0	1	-0.001	1	9999	Si
180	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
197	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
206	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
223	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
235	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
240	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Campata 6 tra i fili 52A - 53, sezione R 45x70, asta 774

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-423381	LU 18	-310377	-970824	0.078	Si
14	7.6	5.4	11.4	5.4						-286248	LU 18	-270254	-970824	0.078	Si
23	7.6	5.4	11.4	5.4	-119103	LU 1	68683	1422093	0.084	-206743	LU 18	-206743	-970824	0.078	Si
28	7.6	5.4	11.4	5.4	-87079	LU 1	112015	1422093	0.084	-156492	LU 18	-206743	-970824	0.078	Si
42	7.6	5.4	11.4	5.4	-6553	LU 2	216485	1422093	0.084	-35813	LU 17	-206743	-970824	0.078	Si
56	7.6	5.4	11.4	5.4	103831	LU 11	312957	1422093	0.084	47588	LU 8	-166268	-970824	0.078	Si
63	7.6	5.4	11.4	5.4	157372	LU 11	358194	1422093	0.084	86231	LU 8	-103875	-970824	0.078	Si
77	7.6	5.4	11.4	5.4	258454	LU 11	444179	1422093	0.084						Si
91	7.6	5.4	11.4	5.4	351538	LU 11	522216	1422093	0.084						Si
105	7.6	5.4	11.4	5.4	438015	LU 12	592255	1422093	0.084						Si
119	7.6	5.4	11.4	5.4	516664	LU 12	654296	1422093	0.084						Si
133	7.6	5.4	11.4	5.4	587314	LU 12	712420	1422093	0.084						Si
147	11.39	5.4	11.4	5.4	649966	LU 12	764157	1422094	0.084						Si
161	12.71	5.4	11.4	5.4	708281	LU 18	800892	1422094	0.084						Si
168	13.37	5.4	11.4	5.4	735354	LU 18	800892	1422094	0.084						Si
182	14.69	5.4	11.4	5.4	783967	LU 18	800892	1422107	0.084						Si
188	15.21	5.4	11.4	5.4	800892	LU 18	800892	1422107	0.084						Si
196	15.21	5.4	11.4	5.4	825204	LU 18	821588	1422107	0.084						Si
210	15.21	5.4	11.4	5.4	859064	LU 18	834663	1422107	0.084						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	10188	LU 12	10188	9541	76908	0	9541	1	Si
14	0	7.6	0	9617	LU 12	9617	9541	76908	0	9541	1	Si
23	0.207	7.6	0	9270	LU 12	9270	9541	76908	24049	24049	1	Si
28	0.207	7.6	0	9045	LU 12	9045	9541	76908	24049	24049	1	Si
42	0.207	7.6	0	8478	LU 18	8478	9541	76908	24049	24049	1	Si
56	0.207	11.4	0	7951	LU 18	7951	10922	76908	24049	24049	1	Si
63	0.207	11.4	0	7688	LU 18	7688	10922	76908	24049	24049	1	Si
77	0.207	11.4	0	7161	LU 18	7161	10922	76908	24049	24049	1	Si
91	0.207	11.4	0	6634	LU 18	6634	10922	76908	24049	24049	1	Si
105	0.207	11.4	0	6107	LU 18	6107	10922	76908	24049	24049	1	Si
119	0.207	11.4	0	5580	LU 18	5580	10922	76908	24049	24049	1	Si
133	0.207	11.4	0	5053	LU 18	5053	10922	76908	24049	24049	1	Si
147	0.207	11.4	0	4526	LU 18	4526	10922	76908	24049	24049	1	Si
161	0.207	11.4	0	3999	LU 18	3999	10922	76908	24049	24049	1	Si
168	0.207	11.4	0	3742	LU 17	3742	10922	76908	24049	24049	1	Si
182	0.207	11.4	0	3319	LU 17	3319	10922	76908	24049	24049	1	Si
188	0.207	11.4	0	3152	LU 17	3152	10922	76908	24049	24049	1	Si
196	0	11.4	0	2895	LU 17	2895	10922	76908	0	10922	1	Si
210	0	11.4	0	2472	LU 17	2472	10922	76908	0	10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-316514	9	-231602	5.2	124.5	80.3	1837	-269438	2	-193653	7.8	93.4	0	+∞	Si
14	-213464	9	-201445	4.5	124.5	69.9	1837	-177484	2	-166758	6.7	93.4	0	+∞	Si
23	-153709	9	-153709	3.5	124.5	53.3	1837	-124186	2	-124186	5	93.4	0	+∞	Si
28	-115939	9	-153709	3.5	124.5	53.3	1837	-90503	2	-124186	5	93.4	0	+∞	Si
42	-25073	8	-153709	3.5	124.5	53.3	1837	-8982	1	-124186	5	93.4	0	+∞	Si
56	77828	2	235654	8.6	124.5	350.9	1837	68538	2	212528	7.7	93.4	0	+∞	Si
63	118197	2	269855	9.8	124.5	401.8	1837	105190	2	244016	8.9	93.4	0	+∞	Si
77	194478	2	334810	12.2	124.5	498.5	1837	174764	2	303263	11	93.4	0	+∞	Si
91	264819	2	393857	14.3	124.5	586.4	1837	239364	2	357537	13	93.4	0	+∞	Si
105	330148	3	446965	16.2	124.5	665.5	1837	298991	2	406837	14.8	93.4	0	+∞	Si
119	389650	3	494133	17.9	124.5	735.7	1837	353645	2	451164	16.4	93.4	0	+∞	Si
133	443212	3	538082	19.5	124.5	801.2	1837	403325	2	490518	17.8	93.4	0	+∞	Si
147	490834	3	577165	19.9	124.5	856.7	1837	448032	2	524898	18.1	93.4	0	+∞	Si
161	534957	9	604950	20.5	124.5	897.1	1837	487766	2	549255	18.6	93.4	0	+∞	Si
168	555400	9	604950	20.3	124.5	896.8	1837	505768	2	549255	18.5	93.4	0	+∞	Si
182	592143	9	604950	20	124.5	896.1	1837	538041	2	549255	18.1	93.4	0	+∞	Si
188	604950	9	604950	19.9	124.5	895.8	1837	549255	2	549255	18	93.4	0	+∞	Si
196	623360	9	620614	20.4	124.5	919	1837	565341	2	562961	18.5	93.4	0	+∞	Si
210	649052	9	630510	20.7	124.5	933.6	1837	587668	2	571620	18.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara	Frequente	Quasi permanente	Verifica

	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
14	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
23	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
28	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
42	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
56	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.005	2	9999	Si
63	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
77	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
91	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
105	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.009	2	0.009	2	9999	Si
119	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.009	2	9999	Si
126	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.009	2	9999	Si
133	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.009	2	9999	Si
147	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.009	2	0.009	2	9999	Si
161	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
168	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.008	2	0.007	2	9999	Si
182	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
188	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
196	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si

Campata 7 tra i fili 53 - 54, sezione R 45x70, asta 775

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	647154	LU 18	647154	1422107	0.084						Si
20	15.21	5.4	11.4	5.4	664080	LU 18	663961	1422107	0.084						Si
23	15.21	5.4	11.4	5.4	665043	LU 18	669536	1422107	0.084						Si
40	13.52	5.4	11.4	5.4	669536	LU 18	669536	1422094	0.084						Si
60	11.62	5.4	11.4	5.4	663523	LU 18	669536	1422094	0.084						Si
71	10.67	5.4	11.4	5.4	656216	LU 18	669352	1422094	0.084						Si
91	7.6	5.4	11.4	5.4	632998	LU 18	662668	1422093	0.084						Si
111	7.6	5.4	11.4	5.4	599918	LU 12	644514	1422093	0.084						Si
131	7.6	5.4	11.4	5.4	556811	LU 12	614891	1422093	0.084						Si
151	7.6	5.4	11.4	5.4	501405	LU 12	577200	1422093	0.084						Si
171	7.6	5.4	15.72	5.4	433699	LU 12	527224	1935062	0.093						Si
192	15.55	5.4	18.44	5.4	353694	LU 12	464948	2256046	0.093						Si
212	19.35	5.4	19.01	5.4	261390	LU 12	390373	2322840	0.092						Si
222	21.26	5.4	19.01	5.4	210626	LU 12	348473	2322689	0.091						Si
242	22.81	5.4	19.01	5.4	100292	LU 11	255449	2322640	0.091	64334	LU 8	-84518	-2772814	0.097	Si
262	22.81	5.4	19.01	5.4	-9151	LU 1	150126	2322640	0.091	-27429	LU 18	-110500	-2772814	0.097	Si
275	22.81	5.4	19.01	5.4	-62018	LU 1	77131	2322640	0.091	-110500	LU 18	-110500	-2772814	0.097	Si
282	22.81	5.4	19.01	5.4						-159607	LU 18	-152648	-2772814	0.097	Si
302	22.81	5.4	19.01	5.4						-306169	LU 12	-201687	-2772814	0.097	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	1576	LU 11	1576	10922	76908	0	10922	1	Si
20	0	11.4	0	968	LU 11	968	10922	76908	0	10922	1	Si
23	0.158	11.4	0	897	LU 11	897	10922	76908	18340	18340	1	Si
40	0.158	11.4	0	358	LU 11	358	10922	76908	18340	18340	1	Si
40	0.158	11.4	0	-258	LU 8	-258	-10922	-76908	-18340	-18340	1	Si
60	0.158	11.4	0	-728	LU 17	-728	-10922	-76908	-18340	-18340	1	Si
71	0.158	11.4	0	-964	LU 17	-964	-10922	-76908	-18340	-18340	1	Si
91	0.158	11.4	0	-1437	LU 17	-1437	-10922	-76908	-18340	-18340	1	Si
111	0.179	11.4	0	-2004	LU 18	-2004	-10922	-76908	-20748	-20748	1	Si
131	0.179	11.4	0	-2573	LU 18	-2573	-10922	-76908	-20748	-20748	1	Si
151	0.179	11.4	0	-3142	LU 18	-3142	-10922	-76908	-20748	-20748	1	Si
171	0.179	11.4	0	-3711	LU 18	-3711	-10922	-76908	-20748	-20748	1	Si
192	0.179	11.4	0	-4279	LU 18	-4279	-10922	-76908	-20748	-20748	1	Si
212	0.187	11.4	0	-4882	LU 12	-4882	-10922	-76908	-21675	-21675	1	Si
222	0.187	11.4	0	-5187	LU 12	-5187	-10922	-76908	-21675	-21675	1	Si
242	0.187	17.08	0	-5797	LU 12	-5797	-12497	-76908	-21675	-21675	1	Si
262	0.187	17.45	0	-6407	LU 12	-6407	-12586	-76908	-21675	-21675	1	Si
275	0.187	19.35	0	-6795	LU 12	-6795	-13028	-76908	-21675	-21675	1	Si
282	0	21.26	0	-7017	LU 12	-7017	-13441	-76908	0	-13441	1	Si
302	0	22.81	0	-7605	LU 12	-7605	-13760	-76908	0	-13760	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	487055	9	487055	16	124.5	721.2	1837	429499	2	429499	14.1	93.4	0	+∞	Si
20	499833	9	499744	16.4	124.5	740	1837	442925	2	442854	14.5	93.4	0	+∞	Si
23	500564	9	503988	16.5	124.5	746.3	1837	443794	2	448465	14.7	93.4	0	+∞	Si
40	503988	9	503988	16.9	124.5	747	1837	448465	2	448465	15	93.4	0	+∞	Si
60	499518	9	503988	17.3	124.5	748	1837	446119	2	448465	15.4	93.4	0	+∞	Si
71	494049	9	503852	17.5	124.5	748.3	1837	441988	2	448443	15.6	93.4	0	+∞	Si
91	476643	9	498878	18.1	124.5	742.8	1837	427812	2	445636	16.2	93.4	0	+∞	Si
111	451684	3	485279	17.6	124.5	722.5	1837	405750	2	434941	15.8	93.4	0	+∞	Si
131	419062	3	463056	16.8	124.5	689.4	1837	375801	2	416361	15.1	93.4	0	+∞	Si
151	377264	3	434477	15.8	124.5	646.9	1837	337966	2	389893	14.2	93.4	0	+∞	Si
171	326288	3	396730	12.9	124.5	433.8	1837	292244	2	355540	11.5	93.4	0	+∞	Si
192	266134	3	349806	9.7	124.5	325.4	1837	238636	2	313300	8.7	93.4	0	+∞	Si
212	196804	3	293704	7.7	124.5	264.5	1837	177141	2	263174	6.9	93.4	0	+∞	Si
222	158697	3	262212	6.7	124.5	235.8	1837	143436	2	235153	6	93.4	0	+∞	Si
242	75880	2	192344	4.9	124.5	172.8	1837	70112	2	173197	4.4	93.4	0	+∞	Si
262	-19506	9	-81935	2	124.5	61.9	1837	-11099	2	-67080	1.7	93.4	0	+∞	Si
275	-81935	9	-81935	2	124.5	61.9	1837	-67080	2	-67080	1.7	93.4	0	+∞	Si
282	-118841	9	-113612	2.8	124.5	85.9	1837	-100196	2	-95498	1.8	93.4	0	+∞	Si
302	-228743	3	-150466	3.7	124.5	113.7	1837	-197171	2	-128561	3.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
23	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
40	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
60	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.015	2	9999	Si
71	0.009	0.008	0.008	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.017	2	0.017	2	9999	Si
91	0.01	0.009	0.009	0.008	0.009	0.009	0.008	0.008	0.009	0.009	0.02	2	0.019	2	9999	Si
111	0.011	0.009	0.009	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.021	2	0.02	2	9999	Si
131	0.011	0.01	0.01	0.008	0.01	0.01	0.009	0.008	0.01	0.01	0.022	2	0.021	2	9999	Si
151	0.011	0.009	0.009	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.021	2	0.02	2	9999	Si
171	0.01	0.009	0.009	0.007	0.009	0.009	0.008	0.007	0.009	0.009	0.019	2	0.019	2	9999	Si
192	0.009	0.008	0.008	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.017	2	0.017	2	9999	Si
212	0.008	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.014	2	9999	Si
222	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
242	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.009	2	9999	Si
262	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
275	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
282	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si

Trave a "Piano 1" 54A-57

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 54A - 55, sezione R 45x70, asta 794

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-2159113	LU 12	-1918361	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-1684502	LU 12	-1684502	-3671293	0.114	Si
65	30.41	5.4	15.21	5.4						-833070	LU 12	-1399668	-3671293	0.114	Si
131	24.29	5.4	15.21	5.4	283960	LU 11	710755	1872377	0.087	169760	LU 8	-189933	-2948234	0.103	Si
196	11.4	5.4	15.21	5.4	1190983	LU 11	1524575	1873055	0.09						Si
229	11.4	5.4	15.21	5.4	1565927	LU 11	1852916	1873055	0.09						Si
294	11.4	5.4	22.81	5.4	2158678	LU 11	2352464	2773209	0.105						Si
359	11.4	5.4	22.81	5.4	2541916	LU 11	2642498	2773209	0.105						Si
425	11.4	5.4	22.81	5.4	2715639	LU 11	2723018	2773209	0.105						Si
490	11.4	5.4	22.81	5.4	2679848	LU 11	2805624	2773209	0.105						No
555	11.4	5.4	22.81	5.4	2434542	LU 11	2646247	2773209	0.105						Si
621	11.4	5.4	22.57	5.4	1979723	LU 11	2205353	2744945	0.105						Si
686	11.4	5.4	15.21	5.4	1317593	LU 11	1634575	1873055	0.09						Si
751	11.4	5.4	15.21	5.4	449939	LU 11	859221	1873055	0.09	203089	LU 8	-71112	-1422107	0.084	Si
784	16.56	5.4	15.21	5.4	-37382	LU 2	393428	1872678	0.088	-112806	LU 17	-565496	-2033022	0.09	Si
850	19.01	5.4	15.21	5.4						-1244939	LU 12	-1840631	-2323187	0.094	Si
915	24.35	5.4	15.21	5.4						-2636384	LU 12	-3325279	-2955828	0.103	No
958	30.41	5.4	15.21	5.4						-3668073	LU 12	-3668073	-3671293	0.114	Si
980	30.41	5.4	15.21	5.4						-4237342	LU 12	-3949306	-3671293	0.114	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	21883	LU 11	21883	15145	76908	0	15145	1	Si
23	0.23	30.41	0	20788	LU 11	20788	15145	76908	26676	26676	1	Si
65	0.23	24.29	0	18689	LU 11	18689	14052	76908	26676	26676	1	Si
131	0.23	15.21	0	15483	LU 11	15483	12021	76908	26711	26711	1	Si
196	0.23	15.21	0	12277	LU 11	12277	12021	76908	26711	26711	1	Si
229	0.23	15.21	0	10674	LU 11	10674	12021	76908	26711	26711	1	Si
294	0.23	15.21	0	7468	LU 11	7468	12021	76908	26711	26711	1	Si
359	0.23	22.81	0	4262	LU 11	4262	13760	76908	26711	26711	1	Si
425	0.23	22.81	0	1055	LU 11	1055	13760	76908	26711	26711	1	Si
490	0.23	22.81	0	-2151	LU 12	-2151	-13760	-76908	-26711	-26711	1	Si
555	0.23	22.57	0	-5357	LU 12	-5357	-13712	-76908	-26711	-26711	1	Si
621	0.23	15.21	0	-8563	LU 12	-8563	-12021	-76908	-26711	-26711	1	Si
686	0.23	15.21	0	-11677	LU 12	-11677	-12021	-76908	-26711	-26711	1	Si
751	0.23	15.21	0	-14881	LU 12	-14881	-12021	-76908	-26711	-26711	1	Si
784	0.23	11.4	0	-16484	LU 12	-16484	-10922	-76908	-26711	-26711	1	Si
850	0.23	16.56	0	-19690	LU 12	-19690	-12367	-76908	-26711	-26711	1	Si
915	0.273	19.01	0	-22896	LU 12	-22896	-12949	-76908	-31678	-31678	1	Si
958	0.273	19.01	0	-24998	LU 12	-24998	-12949	-76908	-31678	-31678	1	Si
980	0	24.35	0	-26102	LU 12	-26102	-14064	-76908	0	-14064	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1597832	3	-1419435	33.9	124.5	818.2	1837	-1310973	2	-1163503	27.8	93.4	0	+∞	Si
23	-1246149	3	-1246149	29.7	124.5	718.3	1837	-1020275	2	-1020275	24.3	93.4	0	+∞	Si
65	-615278	3	-1035094	24.7	124.5	596.7	1837	-498950	2	-845835	20.2	93.4	0	+∞	Si
131	212236	2	528375	14.1	124.5	588.8	1837	184050	2	444839	11.9	93.4	0	+∞	Si
196	884048	2	1131068	35.2	124.5	1271.9	1837	738026	2	941418	29.3	93.4	0	+∞	Si
229	1161689	2	1374150	42.8	124.5	1545.2	1837	966630	2	1141324	35.5	93.4	0	+∞	Si
294	1600441	2	1743783	47.5	124.5	1329.3	1837	1327071	2	1444368	39.4	93.4	0	+∞	Si
359	1883818	2	1958042	53.4	124.5	1492.7	1837	1558488	2	1618388	44.1	93.4	0	+∞	Si
425	2011823	2	2016927	55	124.5	1537.6	1837	1660881	2	1663384	45.4	93.4	0	+∞	Si
490	1984454	2	2013909	54.9	124.5	1535.3	1837	1634251	2	1660447	45.3	93.4	0	+∞	Si
555	1801711	2	1900285	51.8	124.5	1448.7	1837	1478597	2	1562190	42.6	93.4	0	+∞	Si
621	1463595	2	1631287	44.6	124.5	1256.2	1837	1193919	2	1334909	36.5	93.4	0	+∞	Si
686	971768	2	1207180	37.6	124.5	1357.5	1837	781736	2	978834	30.5	93.4	0	+∞	Si
751	327579	2	631430	19.7	124.5	710	1837	243275	2	497162	15.5	93.4	0	+∞	Si
784	-86348	8	-426121	12.3	124.5	439.9	1837	-83579	1	-385623	11.1	93.4	0	+∞	Si
850	-930403	3	-1372493	37.8	124.5	1240.6	1837	-806336	2	-1175017	31.8	93.4	0	+∞	Si
915	-1963029	3	-2474238	63.1	124.5	1763.3	1837	-1667357	2	-2093435	53.4	93.4	0	+∞	Si
958	-2728608	3	-2728608	65.1	124.5	1572.9	1837	-2305407	2	-2305407	55	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
980	-3151029	3	-2937296	70.1	124.5	1693.2	1837	-2657401	2	-2479309	59.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	29.6	0.00024	0.007	3	29.6	0.00021	0.0061	2	29.6	0.0002	0.0058	2	Si
196	inferiore	44.5	0.00037	0.0165	2	44.5	0.00033	0.0145	2	44.5	0.00031	0.0137	2	Si
229	inferiore	44.5	0.00045	0.02	2	44.5	0.00042	0.0186	2	44.5	0.00038	0.017	2	Si
294	inferiore	34.5	0.00039	0.0134	2	34.5	0.00038	0.0132	2	34.5	0.00035	0.0121	2	Si
359	inferiore	34.5	0.00045	0.0155	2	34.5	0.00045	0.0156	2	34.5	0.00042	0.0144	2	Si
425	inferiore	34.5	0.00047	0.0163	2	34.5	0.00047	0.0162	2	34.5	0.00043	0.0149	2	Si
490	inferiore	34.5	0.00047	0.0163	2	34.5	0.00047	0.0162	2	34.5	0.00043	0.0149	2	Si
555	inferiore	34.5	0.00043	0.0148	2	34.5	0.00043	0.0149	2	34.5	0.00039	0.0136	2	Si
621	inferiore	34.8	0.00037	0.0127	2	34.8	0.00035	0.012	2	34.8	0.00031	0.0109	2	Si
686	inferiore	44.5	0.0004	0.0176	2	44.5	0.00034	0.0152	2	44.5	0.00032	0.0143	2	Si
850	superiore	38.5	0.00036	0.0139	3	38.5	0.00033	0.0129	2	38.5	0.00031	0.0119	2	Si
882	superiore	38.5	0.00053	0.0202	3	38.5	0.00054	0.0208	2	38.5	0.0005	0.0194	2	Si
915	superiore	33.3	0.00059	0.0197	3	33.3	0.00059	0.0195	2	33.3	0.00055	0.0183	2	Si
958	superiore	29.6	0.00053	0.0158	3	29.6	0.00053	0.0155	2	29.6	0.00049	0.0145	2	Si
980	superiore	29.6	0.00059	0.0175	3	29.6	0.00058	0.017	2	29.6	0.00054	0.016	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.026	0.019	0.035	0.019	0.023	0.019	0.026	0.019	0.021	0.019	0.058	2	0.05	2	9999	Si
65	0.078	0.058	0.105	0.059	0.068	0.058	0.08	0.059	0.064	0.058	0.174	2	0.15	2	5643	Si
131	0.163	0.122	0.215	0.121	0.142	0.122	0.165	0.122	0.134	0.122	0.358	2	0.31	2	2736	Si
196	0.245	0.183	0.324	0.183	0.214	0.183	0.248	0.183	0.202	0.183	0.539	2	0.466	2	1820	Si
229	0.282	0.211	0.375	0.211	0.247	0.211	0.287	0.212	0.233	0.211	0.623	2	0.538	2	1574	Si
294	0.347	0.258	0.466	0.261	0.303	0.259	0.356	0.262	0.285	0.259	0.77	2	0.666	2	1273	Si
359	0.392	0.292	0.534	0.298	0.342	0.293	0.408	0.299	0.322	0.293	0.876	2	0.758	2	1118	Si
425	0.416	0.309	0.57	0.317	0.363	0.31	0.435	0.318	0.342	0.31	0.931	2	0.806	2	1053	Si
457	0.419	0.311	0.575	0.319	0.366	0.312	0.438	0.32	0.344	0.312	0.937	2	0.811	2	1046	Si
490	0.417	0.309	0.57	0.316	0.363	0.309	0.434	0.317	0.342	0.309	0.93	2	0.804	2	1054	Si
555	0.394	0.291	0.534	0.295	0.343	0.292	0.406	0.296	0.322	0.292	0.873	2	0.754	2	1123	Si
621	0.351	0.258	0.469	0.258	0.305	0.259	0.355	0.259	0.286	0.259	0.768	2	0.662	2	1276	Si
686	0.29	0.212	0.383	0.211	0.252	0.213	0.29	0.212	0.236	0.213	0.629	2	0.542	2	1558	Si
751	0.218	0.159	0.287	0.157	0.189	0.159	0.217	0.157	0.177	0.159	0.471	2	0.406	2	2083	Si
784	0.18	0.13	0.238	0.129	0.156	0.131	0.179	0.129	0.146	0.131	0.388	2	0.335	2	2526	Si
850	0.106	0.075	0.14	0.073	0.091	0.076	0.104	0.074	0.085	0.076	0.227	2	0.196	2	4326	Si
915	0.042	0.029	0.053	0.026	0.035	0.029	0.039	0.027	0.033	0.029	0.087	2	0.076	2	9999	Si
958	0.012	0.008	0.013	0.005	0.01	0.008	0.009	0.006	0.009	0.008	0.022	2	0.019	2	9999	Si

Campata 2 tra i fili 55 - 56, sezione R 45x70, asta 795

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-3040055	LU 12	-2885510	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-2743339	LU 12	-2743339	-3671293	0.114	Si
45	27.18	5.4	13.71	5.4						-2467529	LU 12	-2743339	-3289993	0.11	Si
68	23.98	5.4	9.19	5.4						-2219078	LU 12	-2543058	-2910957	0.113	Si
79	19.01	5.4	11.4	5.4	-1289912	LU 1	6626	1422107	0.084	-2104306	LU 12	-2412120	-2323557	0.097	No
102	19.01	5.4	11.4	5.4	-1148393	LU 1	138968	1422107	0.084	-1893667	LU 12	-2169152	-2323557	0.097	Si
125	19.01	5.4	11.4	5.4	-1021039	LU 1	233498	1422107	0.084	-1708235	LU 12	-1951392	-2323557	0.097	Si
147	19.01	5.4	11.4	5.4	-907849	LU 1	290216	1422107	0.084	-1548012	LU 12	-1758839	-2323557	0.097	Si
170	19.01	5.4	11.4	5.4	-808825	LU 1	309122	1422107	0.084	-1412997	LU 12	-1591495	-2323557	0.097	Si
193	19.01	5.4	11.4	5.4	-718232	LU 8	290216	1422107	0.084	-1304070	LU 11	-1449359	-2323557	0.097	Si
215	19.01	5.4	11.4	5.4	-641369	LU 8	233498	1422107	0.084	-1220662	LU 11	-1332974	-2323557	0.097	Si
238	19.01	5.4	11.4	5.4	-578672	LU 8	138968	1422107	0.084	-1162461	LU 11	-1242444	-2323557	0.097	Si
261	19.01	5.4	11.4	5.4	-530139	LU 8	6626	1422107	0.084	-1129468	LU 11	-1177122	-2323557	0.097	Si
272	22.32	5.4	11.4	5.4						-1122425	LU 11	-1153915	-2715544	0.104	Si
295	24.46	5.4	11.4	5.4						-1127244	LU 11	-1157631	-2968018	0.109	Si
317	26.61	5.4	11.4	5.4						-1157631	LU 11	-1157631	-3221991	0.114	Si
340	26.61	5.4	11.4	5.4						-1212507	LU 11	-1178882	-3221991	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	23.98	0	13741	LU 12	13741	13992	76908	0	13992	1	Si
11	0	19.01	0	13185	LU 12	13185	12949	76908	0	12949	1	Si
23	0.244	19.01	0	12637	LU 12	12637	12949	76908	28344	28344	1	Si
45	0.244	19.01	0	11517	LU 12	11517	12949	76908	28344	28344	1	Si
68	0.244	19.01	0	10405	LU 12	10405	12949	76908	28344	28344	1	Si
79	0.244	19.01	0	9849	LU 12	9849	12949	76908	28344	28344	1	Si
102	0.221	19.01	0	8737	LU 12	8737	12949	76908	25601	25601	1	Si
125	0.221	19.01	0	7642	LU 18	7642	12949	76908	25601	25601	1	Si
147	0.221	19.01	0	6620	LU 18	6620	12949	76908	25601	25601	1	Si
170	0.221	19.01	0	5598	LU 18	5598	12949	76908	25601	25601	1	Si
193	0.221	19.01	0	4733	LU 17	4733	12949	76908	25601	25601	1	Si
215	0.221	19.01	0	3920	LU 17	3920	12949	76908	25601	25601	1	Si
238	0.221	19.01	0	3108	LU 17	3108	12949	76908	25601	25601	1	Si
261	0.172	19.01	0	2296	LU 17	2296	12949	76908	20007	20007	1	Si
272	0.172	19.01	0	1889	LU 17	1889	12949	76908	20007	20007	1	Si
272	0.172	19.01	0	-30	LU 2	-30	-12949	-76908	-20007	-20007	1	Si
295	0.172	19.01	0	1077	LU 17	1077	12949	76908	20007	20007	1	Si
295	0.172	19.01	0	-954	LU 2	-954	-12949	-76908	-20007	-20007	1	Si
317	0.172	19.01	0	262	LU 8	262	12949	76908	20007	20007	1	Si
317	0.172	19.01	0	-1889	LU 11	-1889	-12949	-76908	-20007	-20007	1	Si
340	0	22.32	0	-2993	LU 11	-2993	-13662	-76908	0	-13662	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-2279607	3	-2163466	51.6	124.5	1247.1	1837	-2009778	2	-1906219	45.5	93.4	0	+∞	Si
23	-2056501	3	-2056501	49.1	124.5	1185.5	1837	-1810280	2	-1810280	43.2	93.4	0	+∞	Si
45	-1848853	3	-2056501	51.6	124.5	1322	1837	-1623409	2	-1810280	45.4	93.4	0	+∞	Si
68	-1661517	3	-1905736	52.7	124.5	1389.6	1837	-1453509	2	-1674694	46.3	93.4	0	+∞	Si
79	-1574859	3	-1807091	52.2	124.5	1640.1	1837	-1374381	2	-1585611	45.8	93.4	0	+∞	Si
102	-1415563	3	-1623820	46.9	124.5	1473.8	1837	-1227767	2	-1419089	41	93.4	0	+∞	Si
125	-1274962	3	-1459244	42.2	124.5	1324.4	1837	-1096677	2	-1268089	36.7	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
147	-1153055	3	-1313362	38	124.5	1192	1837	-981111	2	-1132614	32.7	93.4	0	+∞	Si
170	-1049841	3	-1186173	34.3	124.5	1076.6	1837	-881068	2	-1012662	29.3	93.4	0	+∞	Si
193	-965909	2	-1077679	31.2	124.5	978.1	1837	-796549	2	-908234	26.3	93.4	0	+∞	Si
215	-900877	2	-988241	28.6	124.5	896.9	1837	-727553	2	-819329	23.7	93.4	0	+∞	Si
238	-854540	2	-917928	26.5	124.5	833.1	1837	-674081	2	-745948	21.6	93.4	0	+∞	Si
261	-826896	2	-866310	25	124.5	786.3	1837	-636133	2	-688091	19.9	93.4	0	+∞	Si
272	-820084	2	-847511	23.3	124.5	659.6	1837	-622980	2	-664983	18.3	93.4	0	+∞	Si
295	-820481	2	-839816	21.8	124.5	599	1837	-608317	2	-630411	16.8	93.4	0	+∞	Si
317	-839816	2	-839816	21.8	124.5	552.7	1837	-609270	2	-611284	15.9	93.4	0	+∞	Si
340	-877358	2	-853999	22.2	124.5	562	1837	-625562	2	-613606	16	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	29.6	0.00037	0.0111	3	29.6	0.0004	0.0118	2	29.6	0.00038	0.0112	2	Si
23	superiore	29.6	0.00035	0.0102	3	29.6	0.00037	0.011	2	29.6	0.00035	0.0104	2	Si
45	superiore	31.3	0.0004	0.0124	3	31.3	0.00042	0.0132	2	31.3	0.0004	0.0126	2	Si
68	superiore	33.6	0.00041	0.0137	3	33.6	0.00044	0.0147	2	33.6	0.00042	0.0139	2	Si
79	superiore	38.5	0.00049	0.0187	3	38.5	0.00052	0.02	2	38.5	0.00049	0.019	2	Si
102	superiore	38.5	0.00043	0.0165	3	38.5	0.00044	0.0171	2	38.5	0.00042	0.0161	2	Si
125	superiore	38.5	0.00039	0.0149	3	38.5	0.00038	0.0145	2	38.5	0.00035	0.0136	2	Si
147	superiore	38.5	0.00035	0.0134	3	38.5	0.00031	0.0121	2	38.5	0.0003	0.0115	2	Si
170	superiore	38.5	0.00031	0.0121	3	38.5	0.00028	0.0108	2	38.5	0.00027	0.0103	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.01	-0.013	-0.011	-0.016	-0.01	-0.012	-0.011	-0.013	-0.01	-0.011	-0.026	1	-0.029	1	9999	Si
45	-0.019	-0.024	-0.019	-0.028	-0.019	-0.021	-0.019	-0.023	-0.019	-0.02	-0.047	1	-0.053	1	7164	Si
68	-0.025	-0.032	-0.025	-0.037	-0.025	-0.028	-0.025	-0.031	-0.025	-0.027	-0.063	1	-0.07	1	5414	Si
79	-0.027	-0.035	-0.027	-0.04	-0.027	-0.031	-0.027	-0.033	-0.027	-0.03	-0.069	1	-0.076	1	4963	Si
102	-0.031	-0.039	-0.03	-0.045	-0.031	-0.035	-0.03	-0.037	-0.031	-0.033	-0.076	1	-0.085	1	4469	Si
125	-0.033	-0.042	-0.032	-0.047	-0.033	-0.037	-0.032	-0.039	-0.033	-0.036	-0.079	1	-0.089	1	4278	Si
136	-0.033	-0.043	-0.032	-0.047	-0.033	-0.038	-0.032	-0.039	-0.033	-0.036	-0.08	1	-0.089	1	4248	Si
147	-0.033	-0.043	-0.032	-0.047	-0.033	-0.038	-0.032	-0.039	-0.033	-0.036	-0.08	1	-0.089	1	4256	Si
170	-0.033	-0.043	-0.031	-0.045	-0.033	-0.038	-0.031	-0.038	-0.033	-0.036	-0.078	1	-0.087	1	4377	Si
193	-0.031	-0.041	-0.03	-0.043	-0.031	-0.036	-0.03	-0.036	-0.031	-0.034	-0.073	1	-0.082	1	4650	Si
215	-0.028	-0.038	-0.027	-0.039	-0.028	-0.033	-0.027	-0.033	-0.028	-0.031	-0.066	1	-0.074	1	5114	Si
238	-0.025	-0.033	-0.024	-0.034	-0.025	-0.029	-0.024	-0.029	-0.025	-0.027	-0.058	1	-0.065	1	5866	Si
261	-0.02	-0.028	-0.019	-0.028	-0.021	-0.024	-0.019	-0.024	-0.021	-0.023	-0.048	1	-0.054	1	7127	Si
272	-0.018	-0.025	-0.017	-0.025	-0.018	-0.021	-0.017	-0.021	-0.018	-0.02	-0.042	1	-0.047	1	8100	Si
295	-0.013	-0.017	-0.012	-0.018	-0.013	-0.015	-0.012	-0.015	-0.013	-0.014	-0.029	1	-0.033	1	9999	Si
317	-0.007	-0.009	-0.006	-0.009	-0.007	-0.008	-0.006	-0.008	-0.007	-0.007	-0.015	1	-0.017	1	9999	Si

Campata 3 tra i fili 56 - 57, sezione R 45x70, asta 796

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	11.4	5.4						-2439858	LU 11	-2207070	-3221991	0.114	Si
23	26.61	5.4	11.4	5.4						-1984955	LU 11	-1984955	-3221991	0.114	Si
51	22.53	5.4	11.4	5.4						-1434327	LU 11	-1984955	-2740707	0.104	Si
103	15.21	5.4	11.4	5.4						-558086	LU 11	-1040282	-1873055	0.09	Si
154	10.74	5.4	11.4	5.4	193046	LU 18	553652	1422094	0.084	132571	LU 1	-220113	-1343867	0.082	Si
205	7.6	5.4	19.01	5.4	807318	LU 12	1097645	2323876	0.102						Si
231	7.6	5.4	19.01	5.4	1067439	LU 12	1321158	2323876	0.102						Si
282	7.6	5.4	19.01	5.4	1490715	LU 12	1671371	2323876	0.102						Si
334	7.6	5.4	19.01	5.4	1785053	LU 11	1892597	2323876	0.102						Si
385	7.6	5.4	19.01	5.4	1950206	LU 11	1984534	2323876	0.102						Si
411	7.6	5.4	19.01	5.4	1984299	LU 11	1986070	2323876	0.102						Si
436	7.6	5.4	19.01	5.4	1986070	LU 11	1986070	2323876	0.102						Si
488	7.6	5.4	19.01	5.4	1892646	LU 11	1959570	2323876	0.102						Si
539	7.6	5.4	19.01	5.4	1669933	LU 11	1810073	2323876	0.102						Si
565	7.6	5.4	19.01	5.4	1510093	LU 11	1686841	2323876	0.102						Si
616	7.6	5.4	19.01	5.4	1093446	LU 11	1343411	2323876	0.102						Si
667	21.43	5.4	19.01	5.4	547511	LU 11	870691	2322643	0.091						Si
719	22.81	5.4	19.01	5.4	-81375	LU 1	268683	2322640	0.091	-139947	LU 18	-490204	-2772814	0.097	Si
742	22.81	5.4	19.01	5.4						-490204	LU 12	-490204	-2772814	0.097	Si
770	22.81	5.4	19.01	5.4						-936439	LU 12	-704583	-2772814	0.097	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	20848	LU 11	20848	12021	76908	0	12021	1	Si
23	0.215	15.21	0	19744	LU 11	19744	12021	76908	25009	25009	1	Si
51	0.215	13.16	0	18329	LU 11	18329	11457	76908	25009	25009	1	Si
103	0.172	7.6	0	15810	LU 11	15810	9541	76908	19921	19921	1	Si
154	0.172	11.4	0	13292	LU 11	13292	10922	76908	19921	19921	1	Si
205	0.172	11.4	0	10773	LU 11	10773	10922	76908	19921	19921	1	Si
231	0.172	11.4	0	9514	LU 11	9514	10922	76908	19921	19921	1	Si
282	0.172	19.01	0	6995	LU 11	6995	12949	76908	19921	19921	1	Si
334	0.172	19.01	0	4477	LU 11	4477	12949	76908	19921	19921	1	Si
385	0.172	19.01	0	1958	LU 11	1958	12949	76908	19921	19921	1	Si
436	0.172	19.01	0	-590	LU 18	-590	-12949	-76908	-19921	-19921	1	Si
488	0.172	19.01	0	-3088	LU 12	-3088	-12949	-76908	-19921	-19921	1	Si
539	0.172	19.01	0	-5607	LU 12	-5607	-12949	-76908	-19921	-19921	1	Si
565	0.172	19.01	0	-6866	LU 12	-6866	-12949	-76908	-19921	-19921	1	Si
616	0.172	19.01	0	-9385	LU 12	-9385	-12949	-76908	-19921	-19921	1	Si
667	0.172	19.01	0	-11903	LU 12	-11903	-12949	-76908	-19921	-19921	1	Si
719	0.172	16.59	0	-14422	LU 12	-14422	-12375	-76908	-20007	-20007	1	Si
742	0.172	21.43	0	-15591	LU 12	-15591	-13477	-76908	-20007	-20007	1	Si
770	0	22.81	0	-16917	LU 12	-16917	-13760	-76908	0	-13760	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1804537	2	-1632000	41.8	124.5	1074.1	1837	-1475679	2	-1332854	34.7	93.4	0	+∞	Si
23	-1467377	2	-1467377	38.2	124.5	965.7	1837	-1196602	2	-1196602	31.1	93.4	0	+∞	Si
51	-1059283	2	-1467377	40.2	124.5	1131.7	1837	-858875	2	-1196602	32.8	93.4	0	+∞	Si
103	-409908	2	-767252	23.9	124.5	862.8	1837	-321690	2	-617264	19.2	93.4	0	+∞	Si
154	146373	9	413787	14.4	124.5	614.5	1837	135876	2	358539	12.5	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
205	601728	3	816804	24.8	124.5	745	1837	513822	2	691398	21	93.4	0	+∞	Si
231	794430	3	982357	29.9	124.5	895.9	1837	672939	2	827970	25.2	93.4	0	+∞	Si
282	1107924	3	1241657	37.8	124.5	1131.8	1837	931457	2	1041400	31.7	93.4	0	+∞	Si
334	1325773	2	1405279	42.7	124.5	1281.7	1837	1110355	2	1175210	35.7	93.4	0	+∞	Si
385	1447812	2	1473022	44.8	124.5	1343.5	1837	1209635	2	1229418	37.4	93.4	0	+∞	Si
436	1473972	2	1473972	44.8	124.5	1344.3	1837	1229296	2	1229418	37.4	93.4	0	+∞	Si
488	1404252	2	1454130	44.2	124.5	1326.2	1837	1169338	2	1211925	36.9	93.4	0	+∞	Si
539	1238653	2	1342827	40.8	124.5	1224.7	1837	1029761	2	1117436	34	93.4	0	+∞	Si
565	1119899	2	1251221	38	124.5	1141.2	1837	930115	2	1040334	31.6	93.4	0	+∞	Si
616	810481	2	996100	30.3	124.5	908.5	1837	671109	2	826416	25.1	93.4	0	+∞	Si
667	405184	2	645099	16.5	124.5	580	1837	332484	2	532879	13.7	93.4	0	+∞	Si
719	-104148	9	-364717	9.1	124.5	275.6	1837	-85760	2	-307670	7.7	93.4	0	+∞	Si
742	-364717	3	-364717	9.1	124.5	275.6	1837	-307670	2	-307670	7.7	93.4	0	+∞	Si
770	-695856	3	-523806	13	124.5	395.9	1837	-583621	2	-440264	10.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	31.7	0.00031	0.0099	2	31.7	0.00029	0.0091	2	31.7	0.00026	0.0082	2	Si
23	superiore	31.7	0.00028	0.0089	2	31.7	0.00024	0.0077	2	31.7	0.00023	0.0073	2	Si
51	superiore	34.8	0.00033	0.0115	2	34.8	0.00029	0.0102	2	34.8	0.00027	0.0094	2	Si
77	superiore	44.5	0.00036	0.0161	2	44.5	0.00031	0.014	2	44.5	0.00029	0.0131	2	Si
282	inferiore	38.5	0.00033	0.0127	2	38.5	0.00029	0.0112	2	38.5	0.00028	0.0107	2	Si
334	inferiore	38.5	0.00037	0.0144	2	38.5	0.00034	0.0132	2	38.5	0.00031	0.0121	2	Si
385	inferiore	38.5	0.00039	0.0151	2	38.5	0.00037	0.0142	2	38.5	0.00034	0.013	2	Si
436	inferiore	38.5	0.00039	0.0151	2	38.5	0.00037	0.0142	2	38.5	0.00034	0.013	2	Si
488	inferiore	38.5	0.00039	0.0149	2	38.5	0.00036	0.0139	2	38.5	0.00033	0.0127	2	Si
539	inferiore	38.5	0.00036	0.0137	2	38.5	0.00032	0.0122	2	38.5	0.0003	0.0114	2	Si
565	inferiore	38.5	0.00033	0.0128	2	38.5	0.00029	0.0113	2	38.5	0.00028	0.0106	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.011	0.008	0.011	0.007	0.009	0.008	0.009	0.007	0.009	0.008	0.024	2	0.019	2	9999	Si
51	0.027	0.021	0.029	0.018	0.024	0.021	0.022	0.018	0.023	0.021	0.059	2	0.048	2	9999	Si
103	0.06	0.047	0.064	0.04	0.054	0.047	0.051	0.04	0.051	0.047	0.13	2	0.108	2	5922	Si
154	0.097	0.075	0.103	0.064	0.086	0.075	0.081	0.064	0.082	0.075	0.206	2	0.172	2	3731	Si
205	0.132	0.102	0.141	0.087	0.117	0.102	0.111	0.088	0.111	0.102	0.281	2	0.234	2	2743	Si
231	0.148	0.115	0.158	0.098	0.132	0.115	0.124	0.098	0.125	0.115	0.315	2	0.263	2	2442	Si
282	0.176	0.136	0.189	0.116	0.156	0.136	0.148	0.117	0.148	0.136	0.376	2	0.312	2	2048	Si
334	0.196	0.15	0.213	0.129	0.173	0.15	0.166	0.13	0.164	0.151	0.422	2	0.349	2	1823	Si
385	0.206	0.158	0.226	0.136	0.182	0.158	0.176	0.136	0.172	0.158	0.448	2	0.369	2	1721	Si
411	0.207	0.158	0.228	0.136	0.183	0.159	0.177	0.137	0.173	0.159	0.451	2	0.372	2	1709	Si
436	0.205	0.157	0.227	0.135	0.181	0.157	0.175	0.136	0.172	0.157	0.447	2	0.369	2	1722	Si
488	0.194	0.148	0.213	0.128	0.171	0.149	0.165	0.128	0.162	0.149	0.42	2	0.346	2	1832	Si
539	0.173	0.132	0.188	0.113	0.153	0.132	0.146	0.114	0.145	0.132	0.37	2	0.306	2	2083	Si
565	0.159	0.121	0.171	0.104	0.14	0.122	0.133	0.105	0.133	0.122	0.337	2	0.28	2	2283	Si
616	0.125	0.095	0.133	0.082	0.11	0.095	0.104	0.082	0.104	0.095	0.262	2	0.218	2	2935	Si
667	0.085	0.065	0.09	0.055	0.075	0.065	0.071	0.056	0.071	0.065	0.177	2	0.148	2	4338	Si
719	0.042	0.032	0.045	0.027	0.037	0.032	0.035	0.028	0.035	0.032	0.088	2	0.073	2	8737	Si
742	0.022	0.017	0.024	0.014	0.019	0.017	0.019	0.015	0.018	0.017	0.047	2	0.039	2	9999	Si

Trave a "Piano 1" 57A-60

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 57A - 58, sezione R 45x70, asta 791

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-2059344	LU 12	-1824647	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-1596644	LU 12	-1596644	-3671293	0.114	Si
65	30.41	5.4	15.21	5.4						-767046	LU 12	-1319251	-3671293	0.114	Si
131	24.29	5.4	15.21	5.4	320559	LU 11	735965	1872377	0.087	196209	LU 8	-140727	-2948047	0.103	Si
196	11.4	5.4	15.21	5.4	1202919	LU 11	1527120	1873055	0.09						Si
261	11.4	5.4	22.81	5.4	1880299	LU 11	2113295	2773209	0.105						Si
294	11.4	5.4	22.81	5.4	2142122	LU 11	2329515	2773209	0.105						Si
359	11.4	5.4	22.81	5.4	2512034	LU 11	2608223	2773209	0.105						Si
425	11.4	5.4	22.81	5.4	2676968	LU 11	2681951	2773209	0.105						Si
490	11.4	5.4	22.81	5.4	2636922	LU 11	2746414	2773209	0.105						Si
555	11.4	5.4	22.81	5.4	2391898	LU 11	2590985	2773209	0.105						Si
621	11.4	5.4	22.57	5.4	1941894	LU 11	2164924	2744838	0.105						Si
686	11.4	5.4	15.21	5.4	1288570	LU 11	1601315	1873055	0.09						Si
751	11.4	5.4	15.21	5.4	433296	LU 11	836647	1873055	0.09	194614	LU 8	-78017	-1422107	0.084	Si
784	16.56	5.4	15.21	5.4	-44567	LU 2	377749	1872678	0.088	-119104	LU 17	-566250	-2032947	0.09	Si
849	19.01	5.4	15.21	5.4						-1234440	LU 12	-1820210	-2323187	0.094	Si
915	24.35	5.4	15.21	5.4						-2602174	LU 12	-3279149	-2956052	0.103	No
958	30.41	5.4	15.21	5.4						-3615615	LU 12	-3615615	-3671293	0.114	Si
980	30.41	5.4	15.21	5.4						-4174886	LU 12	-3891919	-3671293	0.114	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	21345	LU 11	21345	15145	76908	0	15145	1	Si
23	0.215	30.41	0	20267	LU 11	20267	15145	76908	25009	25009	1	Si
65	0.215	24.29	0	18212	LU 11	18212	14052	76908	25009	25009	1	Si
131	0.225	15.21	0	15074	LU 11	15074	12021	76908	26131	26131	1	Si
196	0.225	15.21	0	11937	LU 11	11937	12021	76908	26131	26131	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
261	0.225	15.21	0	8799	LU 11	8799	12021	76908	26131	26131	1	Si
294	0.225	22.57	0	7231	LU 11	7231	13712	76908	26131	26131	1	Si
359	0.225	22.81	0	4093	LU 11	4093	13760	76908	26131	26131	1	Si
425	0.225	22.81	0	956	LU 11	956	13760	76908	26131	26131	1	Si
490	0.225	22.81	0	-2182	LU 12	-2182	-13760	-76908	-26131	-26131	1	Si
555	0.225	22.57	0	-5319	LU 12	-5319	-13712	-76908	-26131	-26131	1	Si
621	0.225	15.21	0	-8457	LU 12	-8457	-12021	-76908	-26131	-26131	1	Si
686	0.225	15.21	0	-11531	LU 12	-11531	-12021	-76908	-26131	-26131	1	Si
751	0.225	15.21	0	-14660	LU 12	-14660	-12021	-76908	-26131	-26131	1	Si
784	0.225	11.4	0	-16229	LU 12	-16229	-10922	-76908	-26131	-26131	1	Si
849	0.225	16.56	0	-19366	LU 12	-19366	-12367	-76908	-26131	-26131	1	Si
915	0.273	19.01	0	-22503	LU 12	-22503	-12949	-76908	-31678	-31678	1	Si
958	0.273	19.01	0	-24560	LU 12	-24560	-12949	-76908	-31678	-31678	1	Si
980	0	24.35	0	-25641	LU 12	-25641	-14065	-76908	0	-14065	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1523314	3	-1349392	32.2	124.5	777.9	1837	-1246639	2	-1102811	26.3	93.4	0	+∞	Si
23	-1180435	3	-1180435	28.2	124.5	680.5	1837	-963108	2	-963108	23	93.4	0	+∞	Si
65	-565703	3	-974879	23.3	124.5	562	1837	-454939	2	-793149	18.9	93.4	0	+∞	Si
131	240064	2	547775	14.6	124.5	610.4	1837	210398	2	464270	11.8	93.4	0	+∞	Si
196	893619	2	1133682	35.3	124.5	1274.8	1837	749372	2	947019	29.5	93.4	0	+∞	Si
261	1395140	2	1567556	42.7	124.5	1195	1837	1161983	2	1303405	35.5	93.4	0	+∞	Si
294	1588888	2	1727480	47.1	124.5	1316.9	1837	1320902	2	1434212	39.1	93.4	0	+∞	Si
359	1862358	2	1933303	52.7	124.5	1473.8	1837	1543969	2	1601054	43.7	93.4	0	+∞	Si
425	1983794	2	1987092	54.2	124.5	1514.8	1837	1640673	2	1641533	44.8	93.4	0	+∞	Si
490	1953197	2	1983723	54.1	124.5	1512.3	1837	1611014	2	1638267	44.7	93.4	0	+∞	Si
555	1770565	2	1868738	51	124.5	1424.6	1837	1454993	2	1538471	42	93.4	0	+∞	Si
621	1435899	2	1601720	43.8	124.5	1233.5	1837	1172608	2	1312311	35.9	93.4	0	+∞	Si
686	950460	2	1182795	36.8	124.5	1330.1	1837	765056	2	959911	29.9	93.4	0	+∞	Si
751	315287	2	614816	19.1	124.5	691.4	1837	233309	2	483964	15.1	93.4	0	+∞	Si
784	-91242	8	-426811	12.3	124.5	440.6	1837	-88794	1	-386828	11.2	93.4	0	+∞	Si
849	-922860	3	-1357690	37.4	124.5	1227.2	1837	-801236	2	-1164341	32.1	93.4	0	+∞	Si
915	-1938126	3	-2440603	62.2	124.5	1739.2	1837	-1648886	2	-2068216	52.7	93.4	0	+∞	Si
958	-2690332	3	-2690332	64.2	124.5	1550.9	1837	-2276582	2	-2276582	54.3	93.4	0	+∞	Si
980	-3105425	3	-2895407	69.1	124.5	1669.1	1837	-2622899	2	-2447687	58.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	29.6	0.00023	0.0067	3	29.6	0.0002	0.0058	2	29.6	0.00019	0.0055	2	Si
196	inferiore	44.5	0.00037	0.0165	2	44.5	0.00033	0.0146	2	44.5	0.00031	0.0138	2	Si
261	inferiore	34.5	0.00035	0.012	2	34.5	0.00033	0.0113	2	34.5	0.0003	0.0103	2	Si
294	inferiore	34.5	0.00038	0.0132	2	34.5	0.00038	0.0131	2	34.5	0.00035	0.012	2	Si
359	inferiore	34.5	0.00044	0.0152	2	34.5	0.00044	0.0154	2	34.5	0.00041	0.0141	2	Si
425	inferiore	34.5	0.00046	0.0159	2	34.5	0.00046	0.0159	2	34.5	0.00042	0.0147	2	Si
490	inferiore	34.5	0.00046	0.0159	2	34.5	0.00046	0.0159	2	34.5	0.00042	0.0146	2	Si
555	inferiore	34.5	0.00042	0.0144	2	34.5	0.00042	0.0145	2	34.5	0.00039	0.0133	2	Si
621	inferiore	34.8	0.00036	0.0125	2	34.8	0.00034	0.0117	2	34.8	0.00031	0.0106	2	Si
686	inferiore	44.5	0.00039	0.0172	2	44.5	0.00034	0.0149	2	44.5	0.00031	0.014	2	Si
849	superiore	38.5	0.00036	0.0138	3	38.5	0.00033	0.0127	2	38.5	0.00031	0.0118	2	Si
882	superiore	38.5	0.00052	0.0198	3	38.5	0.00053	0.0204	2	38.5	0.0005	0.0191	2	Si
915	superiore	33.3	0.00058	0.0193	3	33.3	0.00058	0.0192	2	33.3	0.00054	0.018	2	Si
958	superiore	29.6	0.00052	0.0154	3	29.6	0.00052	0.0153	2	29.6	0.00048	0.0143	2	Si
980	superiore	29.6	0.00058	0.0171	3	29.6	0.00057	0.0168	2	29.6	0.00053	0.0157	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.026	0.019	0.034	0.019	0.023	0.019	0.026	0.019	0.021	0.019	0.056	2	0.049	2	9999	Si
65	0.078	0.059	0.102	0.058	0.068	0.059	0.078	0.058	0.064	0.059	0.17	2	0.149	2	5781	Si
131	0.162	0.122	0.209	0.12	0.142	0.122	0.162	0.12	0.134	0.122	0.349	2	0.307	2	2810	Si
196	0.243	0.182	0.315	0.18	0.213	0.183	0.243	0.18	0.201	0.183	0.523	2	0.46	2	1873	Si
261	0.314	0.235	0.411	0.233	0.274	0.235	0.316	0.234	0.259	0.235	0.68	2	0.597	2	1441	Si
294	0.343	0.257	0.453	0.256	0.3	0.257	0.348	0.257	0.283	0.257	0.748	2	0.656	2	1310	Si
359	0.388	0.29	0.519	0.292	0.339	0.29	0.398	0.293	0.319	0.29	0.853	2	0.747	2	1148	Si
425	0.411	0.306	0.554	0.31	0.359	0.307	0.424	0.311	0.338	0.307	0.907	2	0.794	2	1080	Si
457	0.414	0.308	0.558	0.312	0.361	0.309	0.427	0.313	0.34	0.309	0.914	2	0.798	2	1072	Si
490	0.411	0.306	0.553	0.309	0.359	0.306	0.423	0.309	0.338	0.306	0.906	2	0.791	2	1081	Si
555	0.388	0.288	0.518	0.288	0.339	0.289	0.395	0.289	0.319	0.289	0.851	2	0.741	2	1152	Si
621	0.345	0.255	0.454	0.252	0.301	0.256	0.346	0.253	0.283	0.256	0.749	2	0.651	2	1309	Si
686	0.286	0.21	0.371	0.206	0.248	0.21	0.282	0.207	0.233	0.21	0.613	2	0.533	2	1599	Si
751	0.215	0.157	0.278	0.153	0.186	0.157	0.211	0.154	0.174	0.157	0.458	2	0.398	2	2141	Si
784	0.177	0.129	0.23	0.125	0.153	0.129	0.174	0.126	0.144	0.129	0.377	2	0.328	2	2597	Si
849	0.104	0.074	0.135	0.072	0.089	0.075	0.101	0.072	0.083	0.075	0.22	2	0.192	2	4458	Si
915	0.041	0.029	0.051	0.025	0.035	0.029	0.037	0.026	0.032	0.029	0.084	2	0.074	2	9999	Si
958	0.012	0.008	0.012	0.005	0.01	0.008	0.008	0.005	0.009	0.008	0.022	2	0.019	2	9999	Si

Campata 2 tra i fili 58 - 59, sezione R 45x70, asta 792

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-2821985	LU 12	-2681277	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-2552681	LU 12	-2552681	-3671293	0.114	Si
45	27.18	5.4	13.71	5.4						-2304152	LU 12	-2552681	-3289993	0.11	Si
68	23.98	5.4	9.19	5.4						-2082244	LU 12	-2372068	-2910957	0.113	Si
79	19.01	5.4	11.4	5.4	-1209401	LU 1	6486	1422107	0.084	-1980542	LU 12	-2254545	-2323557	0.097	Si
91	19.01	5.4	11.4	5.4	-1145508	LU 1	75877	1422107	0.084	-1885009	LU 12	-2143190	-2323557	0.097	Si
102	19.01	5.4	11.4	5.4	-1085086	LU 1	136017	1422107	0.084	-1795644	LU 12	-2038004	-2323557	0.097	Si
125	19.01	5.4	11.4	5.4	-974656	LU 1	228539	1422107	0.084	-1635418	LU 12	-1846135	-2323557	0.097	Si
147	19.01	5.4	11.4	5.4	-878112	LU 1	284052	1422107	0.084	-1499864	LU 12	-1678939	-2323557	0.097	Si
170	19.01	5.4	11.4	5.4	-795454	LU 1	302557	1422107	0.084	-1388983	LU 12	-1536415	-2323557	0.097	Si
193	19.01	5.4	11.4	5.4	-722027	LU 8	284052	1422107	0.084	-1303388	LU 11	-1418564	-2323557	0.097	Si
215	19.01	5.4	11.4	5.4	-661820	LU 8	228539	1422107	0.084	-1242839	LU 11	-1325721	-2323557	0.097	Si
238	19.01	5.4	11.4	5.4	-615497	LU 8	136017	1422107	0.084	-1206962	LU 11	-1258202	-2323557	0.097	Si
261	19.01	5.4	11.4	5.4	-583061	LU 8	6486	1422107	0.084	-1195758	LU 11	-1218258	-2323557	0.097	Si
272	22.32	5.4	11.4	5.4						-1199408	LU 11	-1237730	-2715544	0.104	Si
295	24.46	5.4	11.4	5.4						-1225213	LU 11	-1276197	-2968018	0.109	Si
317	26.61	5.4	11.4	5.4						-1276197	LU 11	-1276197	-3221991	0.114	Si
340	26.61	5.4	11.4	5.4						-1350840	LU 11	-1307463	-3221991	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	23.98	0	12511	LU 12	12511	13992	76908	0	13992	1	Si
11	0	19.01	0	11967	LU 12	11967	12949	76908	0	12949	1	Si
23	0.244	19.01	0	11431	LU 12	11431	12949	76908	28344	28344	1	Si
45	0.244	19.01	0	10334	LU 12	10334	12949	76908	28344	28344	1	Si
68	0.244	19.01	0	9246	LU 12	9246	12949	76908	28344	28344	1	Si
91	0.244	19.01	0	8157	LU 12	8157	12949	76908	28344	28344	1	Si
102	0.221	19.01	0	7613	LU 12	7613	12949	76908	25601	25601	1	Si
125	0.221	19.01	0	6552	LU 18	6552	12949	76908	25601	25601	1	Si
147	0.221	19.01	0	5551	LU 18	5551	12949	76908	25601	25601	1	Si
170	0.221	19.01	0	4577	LU 17	4577	12949	76908	25601	25601	1	Si
193	0.221	19.01	0	3781	LU 17	3781	12949	76908	25601	25601	1	Si
215	0.221	19.01	0	2984	LU 17	2984	12949	76908	25601	25601	1	Si
238	0.221	19.01	0	2188	LU 17	2188	12949	76908	25601	25601	1	Si
261	0.187	19.01	0	1392	LU 17	1392	12949	76908	21675	21675	1	Si
261	0.187	19.01	0	-317	LU 2	-317	-12949	-76908	-21675	-21675	1	Si
272	0.187	19.01	0	994	LU 17	994	12949	76908	21675	21675	1	Si
272	0.187	19.01	0	-769	LU 2	-769	-12949	-76908	-21675	-21675	1	Si
295	0.187	19.01	0	206	LU 8	206	12949	76908	21675	21675	1	Si
295	0.187	19.01	0	-1683	LU 11	-1683	-12949	-76908	-21675	-21675	1	Si
317	0.187	19.01	0	-2779	LU 11	-2779	-12949	-76908	-21675	-21675	1	Si
340	0	22.32	0	-3860	LU 11	-3860	-13662	-76908	0	-13662	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-2115170	3	-2009466	47.9	124.5	1158.4	1837	-1860694	2	-1766611	42.1	93.4	0	+∞	Si
23	-1912745	3	-1912745	45.6	124.5	1102.6	1837	-1679994	2	-1679994	40.1	93.4	0	+∞	Si
45	-1725689	3	-1912745	48	124.5	1229.6	1837	-1511883	2	-1679994	42.2	93.4	0	+∞	Si
68	-1558398	3	-1776826	49.1	124.5	1295.6	1837	-1360293	2	-1557930	43	93.4	0	+∞	Si
91	-1409407	3	-1604365	46.4	124.5	1456.1	1837	-1223912	2	-1402043	40.5	93.4	0	+∞	Si
102	-1341774	3	-1524997	44.1	124.5	1384.1	1837	-1161426	2	-1329803	38.4	93.4	0	+∞	Si
125	-1220233	3	-1379987	39.9	124.5	1252.5	1837	-1047860	2	-1196731	34.6	93.4	0	+∞	Si
147	-1116991	3	-1253276	36.2	124.5	1137.5	1837	-949504	2	-1078868	31.2	93.4	0	+∞	Si
170	-1032049	3	-1144864	33.1	124.5	1039.1	1837	-866358	2	-976215	28.2	93.4	0	+∞	Si
193	-965816	2	-1054753	30.5	124.5	957.3	1837	-798422	2	-888773	25.7	93.4	0	+∞	Si
215	-918132	2	-983165	28.4	124.5	892.3	1837	-745695	2	-816540	23.6	93.4	0	+∞	Si
238	-888747	2	-930310	26.9	124.5	844.3	1837	-708179	2	-759516	22	93.4	0	+∞	Si
261	-877662	2	-895756	25.9	124.5	813	1837	-685872	2	-717703	20.7	93.4	0	+∞	Si
272	-878982	2	-903847	24.8	124.5	703.4	1837	-680422	2	-702500	19.3	93.4	0	+∞	Si
295	-895347	2	-930367	24.8	124.5	663.5	1837	-680931	2	-696848	18.6	93.4	0	+∞	Si
317	-930367	2	-930367	24.2	124.5	612.3	1837	-696848	2	-696848	18.1	93.4	0	+∞	Si
340	-982976	2	-952180	24.8	124.5	626.7	1837	-727576	2	-708479	18.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	29.6	0.00034	0.01	3	29.6	0.00036	0.0106	2	29.6	0.00034	0.0101	2	Si
23	superiore	29.6	0.00032	0.0095	3	29.6	0.00033	0.0099	2	29.6	0.00032	0.0093	2	Si
45	superiore	31.3	0.00036	0.0112	3	31.3	0.00038	0.0119	2	31.3	0.00036	0.0113	2	Si
68	superiore	33.6	0.00038	0.0127	3	33.6	0.0004	0.0133	2	33.6	0.00037	0.0126	2	Si
79	superiore	38.5	0.00045	0.0172	3	38.5	0.00047	0.0181	2	38.5	0.00044	0.0171	2	Si
91	superiore	38.5	0.00042	0.0163	3	38.5	0.00044	0.0168	2	38.5	0.00041	0.0158	2	Si
102	superiore	38.5	0.0004	0.0155	3	38.5	0.0004	0.0155	2	38.5	0.00038	0.0146	2	Si
125	superiore	38.5	0.00036	0.0141	3	38.5	0.00034	0.0132	2	38.5	0.00032	0.0124	2	Si
147	superiore	38.5	0.00033	0.0128	3	38.5	0.0003	0.0115	2	38.5	0.00029	0.011	2	Si
170	superiore	38.5	0.0003	0.0117	3	38.5	0.00027	0.0104	2	38.5	0.00026	0.0099	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.01	-0.013	-0.01	-0.014	-0.01	-0.011	-0.01	-0.012	-0.01	-0.011	-0.024	1	-0.027	1	9999	Si
45	-0.018	-0.023	-0.017	-0.026	-0.018	-0.02	-0.017	-0.021	-0.018	-0.019	-0.044	1	-0.049	1	7757	Si
68	-0.024	-0.03	-0.023	-0.034	-0.024	-0.027	-0.023	-0.028	-0.024	-0.026	-0.058	1	-0.065	1	5848	Si
91	-0.028	-0.036	-0.027	-0.039	-0.028	-0.032	-0.027	-0.032	-0.028	-0.031	-0.068	1	-0.076	1	5023	Si
102	-0.03	-0.038	-0.028	-0.041	-0.03	-0.034	-0.028	-0.034	-0.03	-0.032	-0.071	1	-0.079	1	4802	Si
125	-0.032	-0.041	-0.03	-0.043	-0.032	-0.036	-0.03	-0.036	-0.032	-0.035	-0.075	1	-0.083	1	4554	Si
147	-0.033	-0.042	-0.03	-0.044	-0.033	-0.037	-0.03	-0.037	-0.033	-0.036	-0.076	1	-0.084	1	4492	Si
170	-0.032	-0.042	-0.03	-0.043	-0.032	-0.037	-0.03	-0.036	-0.032	-0.035	-0.074	1	-0.083	1	4583	Si
193	-0.031	-0.04	-0.029	-0.041	-0.031	-0.035	-0.029	-0.034	-0.031	-0.034	-0.07	1	-0.078	1	4831	Si
215	-0.028	-0.037	-0.026	-0.037	-0.028	-0.033	-0.026	-0.031	-0.028	-0.031	-0.064	1	-0.072	1	5273	Si
238	-0.025	-0.033	-0.023	-0.033	-0.025	-0.029	-0.023	-0.028	-0.025	-0.027	-0.057	1	-0.063	1	6002	Si
261	-0.021	-0.028	-0.019	-0.027	-0.021	-0.024	-0.019	-0.023	-0.021	-0.023	-0.047	1	-0.053	1	7236	Si
272	-0.018	-0.025	-0.017	-0.024	-0.018	-0.022	-0.017	-0.02	-0.018	-0.02	-0.042	1	-0.046	1	8192	Si
295	-0.013	-0.018	-0.012	-0.017	-0.013	-0.015	-0.012	-0.015	-0.013	-0.014	-0.029	1	-0.033	1	9999	Si
317	-0.007	-0.009	-0.006	-0.009	-0.007	-0.008	-0.006	-0.008	-0.007	-0.008	-0.015	1	-0.017	1	9999	Si

Campata 3 tra i fili 59 - 60, sezione R 45x70, asta 793

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	11.4	5.4						-2444972	LU 11	-2216342	-3221991	0.114	Si
23	26.61	5.4	11.4	5.4						-1998157	LU 11	-1998157	-3221991	0.114	Si
51	22.53	5.4	11.4	5.4						-1457208	LU 11	-1998157	-2740707	0.104	Si
103	15.21	5.4	11.4	5.4						-595987	LU 11	-1069974	-1873055	0.09	Si
154	10.74	5.4	11.4	5.4	143562	LU 18	497236	1422094	0.084	102330	LU 1	-263635	-1343867	0.082	Si
180	7.6	5.4	11.4	5.4	459040	LU 12	781096	1422093	0.084						Si
231	7.6	5.4	11.4	5.4	1003515	LU 12	1254055	1422093	0.084						Si
282	7.6	5.4	11.4	5.4	1421760	LU 11	1600714	1422093	0.084						No
334	7.6	5.4	11.4	5.4	1713537	LU 11	1820830	1422093	0.084						No
385	7.6	5.4	11.4	5.4	1878772	LU 11	1914403	1422093	0.084						No
411	7.6	5.4	11.4	5.4	1913935	LU 11	1917463	1422093	0.084						No
436	7.6	5.4	11.4	5.4	1917463	LU 11	1917463	1422093	0.084						No
488	7.6	5.4	11.4	5.4	1829611	LU 11	1893082	1422093	0.084						No
539	7.6	5.4	11.4	5.4	1615216	LU 11	1750348	1422093	0.084						No
565	7.6	5.4	11.4	5.4	1460564	LU 11	1631527	1422093	0.084						No
616	7.6	5.4	11.4	5.4	1056355	LU 11	1298979	1422093	0.084						Si
667	21.43	5.4	11.4	5.4	525602	LU 11	839887	1422107	0.084						Si
719	22.81	5.4	11.4	5.4	-88186	LU 1	254252	1422107	0.084	-144587	LU 18	-484725	-2773209	0.105	Si
742	22.81	5.4	11.4	5.4						-484725	LU 12	-484725	-2773209	0.105	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
770	22.81	5.4	11.4	5.4						-919446	LU 12	-693575	-2773209	0.105	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	20475	LU 11	20475	12021	76908	0	12021	1	Si
23	0.215	15.21	0	19394	LU 11	19394	12021	76908	25009	25009	1	Si
51	0.215	13.16	0	18010	LU 11	18010	11457	76908	25009	25009	1	Si
103	0.168	7.6	0	15544	LU 11	15544	9541	76908	19519	19519	1	Si
154	0.168	11.4	0	13079	LU 11	13079	10922	76908	19519	19519	1	Si
180	0.168	11.4	0	11847	LU 11	11847	10922	76908	19519	19519	1	Si
231	0.168	11.4	0	9382	LU 11	9382	10922	76908	19519	19519	1	Si
282	0.168	11.4	0	6917	LU 11	6917	10922	76908	19519	19519	1	Si
334	0.168	11.4	0	4451	LU 11	4451	10922	76908	19519	19519	1	Si
385	0.168	11.4	0	1986	LU 11	1986	10922	76908	19519	19519	1	Si
436	0.168	11.4	0	-510	LU 18	-510	-10922	-76908	-19519	-19519	1	Si
488	0.168	11.4	0	-2952	LU 12	-2952	-10922	-76908	-19519	-19519	1	Si
539	0.168	11.4	0	-5417	LU 12	-5417	-10922	-76908	-19519	-19519	1	Si
565	0.168	11.4	0	-6649	LU 12	-6649	-10922	-76908	-19519	-19519	1	Si
616	0.168	11.4	0	-9114	LU 12	-9114	-10922	-76908	-19519	-19519	1	Si
667	0.168	11.4	0	-11579	LU 12	-11579	-10922	-76908	-19519	-19519	1	Si
719	0.172	16.59	0	-14045	LU 12	-14045	-12375	-76908	-20007	-20007	1	Si
742	0.172	21.43	0	-15189	LU 12	-15189	-13477	-76908	-20007	-20007	1	Si
770	0	22.81	0	-16428	LU 12	-16428	-13760	-76908	0	-13760	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1808819	2	-1639345	42.6	124.5	1078.9	1837	-1481543	2	-1341166	34.9	93.4	0	+∞	Si
23	-1477617	2	-1477617	38.4	124.5	972.5	1837	-1207227	2	-1207227	31.4	93.4	0	+∞	Si
51	-1076653	2	-1477617	40.4	124.5	1139.6	1837	-875198	2	-1207227	33	93.4	0	+∞	Si
103	-438345	2	-789642	24.6	124.5	888	1837	-346863	2	-637601	19.9	93.4	0	+∞	Si
154	109352	9	371743	12.9	124.5	552.1	1837	103462	2	322763	11.2	93.4	0	+∞	Si
180	343442	3	582067	21.1	124.5	866.6	1837	299372	2	496583	18	93.4	0	+∞	Si
231	746847	3	932416	33.9	124.5	1388.3	1837	632683	2	785718	28.5	93.4	0	+∞	Si
282	1056603	2	1189070	43.2	124.5	1770.4	1837	887984	2	996842	36.2	93.4	0	+∞	Si
334	1272551	2	1351867	49.1	124.5	2012.8	1837	1065275	2	1129957	41	93.4	0	+∞	No
385	1394641	2	1420806	51.6	124.5	2115.4	1837	1164557	2	1185062	43	93.4	0	+∞	No
411	1420490	2	1422874	51.7	124.5	2118.5	1837	1184945	2	1185830	43.1	93.4	0	+∞	No
436	1422874	2	1422874	51.7	124.5	2118.5	1837	1185830	2	1185830	43.1	93.4	0	+∞	No
488	1357249	2	1404588	51	124.5	2091.3	1837	1129092	2	1169681	42.5	93.4	0	+∞	No
539	1197766	2	1298257	47.1	124.5	1933	1837	994345	2	1079110	39.2	93.4	0	+∞	No
565	1082828	2	1209895	43.9	124.5	1801.4	1837	897718	2	1004571	36.5	93.4	0	+∞	Si
616	782558	2	962777	35	124.5	1433.5	1837	645956	2	796986	28.9	93.4	0	+∞	Si
667	388431	2	621801	19	124.5	918.1	1837	316184	2	511392	15.6	93.4	0	+∞	Si
719	-108150	9	-361330	9.9	124.5	275.5	1837	-91597	2	-308088	8.4	93.4	0	+∞	Si
742	-361330	3	-361330	9.9	124.5	275.5	1837	-308088	2	-308088	8.4	93.4	0	+∞	Si
770	-684000	3	-516352	14.1	124.5	393.6	1837	-577337	2	-437464	11.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	31.7	0.00031	0.01	2	31.7	0.00029	0.0092	2	31.7	0.00026	0.0083	2	Si
23	superiore	31.7	0.00028	0.009	2	31.7	0.00025	0.0078	2	31.7	0.00023	0.0073	2	Si
51	superiore	34.8	0.00033	0.0115	2	34.8	0.0003	0.0103	2	34.8	0.00027	0.0094	2	Si
282	inferiore	54.5	0.00052	0.0281	2	54.5	0.00046	0.025	2	54.5	0.00043	0.0235	2	Si
334	inferiore	54.5	0.00059	0.0319	2	54.5	0.00056	0.0306	2	54.5	0.00052	0.0281	2	Si
385	inferiore	54.5	0.00062	0.0336	2	54.5	0.0006	0.0329	2	54.5	0.00056	0.0303	2	No
411	inferiore	54.5	0.00062	0.0336	2	54.5	0.00061	0.033	2	54.5	0.00056	0.0303	2	No
436	inferiore	54.5	0.00062	0.0336	2	54.5	0.00061	0.033	2	54.5	0.00056	0.0303	2	No
488	inferiore	54.5	0.00061	0.0332	2	54.5	0.00059	0.0323	2	54.5	0.00055	0.0297	2	Si
539	inferiore	54.5	0.00056	0.0307	2	54.5	0.00052	0.0286	2	54.5	0.00048	0.0261	2	Si
565	inferiore	54.5	0.00052	0.0286	2	54.5	0.00047	0.0255	2	54.5	0.00044	0.0237	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.01	0.008	0.012	0.007	0.009	0.008	0.009	0.007	0.008	0.008	0.028	2	0.023	2	9999	Si
51	0.025	0.019	0.031	0.018	0.022	0.019	0.024	0.018	0.021	0.019	0.068	2	0.056	2	9999	Si
103	0.057	0.044	0.07	0.04	0.05	0.044	0.053	0.04	0.048	0.044	0.149	2	0.124	2	5183	Si
154	0.091	0.071	0.112	0.064	0.081	0.071	0.085	0.065	0.077	0.071	0.235	2	0.197	2	3281	Si
180	0.109	0.084	0.132	0.076	0.097	0.084	0.101	0.077	0.092	0.084	0.278	2	0.233	2	2774	Si
231	0.141	0.109	0.172	0.099	0.125	0.109	0.131	0.099	0.118	0.109	0.359	2	0.301	2	2146	Si
282	0.168	0.129	0.206	0.118	0.148	0.129	0.157	0.118	0.141	0.129	0.43	2	0.359	2	1792	Si
334	0.187	0.143	0.233	0.131	0.165	0.144	0.176	0.132	0.157	0.144	0.486	2	0.404	2	1585	Si
385	0.197	0.15	0.249	0.139	0.174	0.151	0.187	0.139	0.165	0.151	0.517	2	0.431	2	1489	Si
411	0.198	0.151	0.251	0.139	0.175	0.152	0.189	0.14	0.166	0.152	0.521	2	0.434	2	1477	Si
436	0.197	0.15	0.249	0.138	0.174	0.15	0.188	0.139	0.164	0.151	0.517	2	0.431	2	1488	Si
488	0.186	0.142	0.235	0.13	0.164	0.142	0.176	0.131	0.156	0.142	0.486	2	0.404	2	1586	Si
539	0.166	0.126	0.206	0.116	0.146	0.127	0.155	0.116	0.139	0.127	0.425	2	0.354	2	1813	Si
565	0.153	0.116	0.188	0.106	0.134	0.116	0.142	0.107	0.127	0.116	0.387	2	0.323	2	1991	Si
616	0.12	0.091	0.146	0.083	0.106	0.091	0.111	0.084	0.1	0.091	0.3	2	0.251	2	2569	Si
667	0.082	0.062	0.098	0.056	0.072	0.062	0.075	0.057	0.068	0.062	0.202	2	0.169	2	3804	Si
719	0.04	0.03	0.049	0.028	0.036	0.031	0.037	0.028	0.034	0.031	0.101	2	0.084	2	7661	Si
742	0.021	0.016	0.026	0.015	0.019	0.016	0.02	0.015	0.018	0.016	0.053	2	0.045	2	9999	Si

Trave a "Piano 1" 60A-49A

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 60A - 57A, sezione R 45x70, asta 766

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	11.4	5.4						-817909	LU 12	-728938	-2773209	0.105	Si
19	22.81	5.4	11.4	5.4						-668081	LU 12	-666224	-2773209	0.105	Si
23	22.81	5.4	11.4	5.4						-642452	LU 12	-642452	-2773209	0.105	Si
38	22.81	5.4	11.4	5.4						-522010	LU 12	-642452	-2773209	0.105	Si
57	22.81	5.4	11.4	5.4						-379698	LU 12	-597109	-2773209	0.105	Si
77	22.59	5.4	11.4	5.4	-145389	LU 1	10370	1422107	0.084	-241143	LU 12	-452853	-2747167	0.105	Si
86	20.78	5.4	11.4	5.4	-104135	LU 1	27362	1422107	0.084	-173276	LU 12	-382134	-2533582	0.101	Si
105	17.17	5.4	11.4	5.4	-23796	LU 1	154382	1422107	0.084	-40359	LU 12	-243515	-2105800	0.093	Si
125	13.56	5.4	11.4	5.4	89168	LU 11	277644	1422094	0.084	52022	LU 8	-108654	-1677516	0.087	Si
144	7.6	5.4	11.4	5.4	214374	LU 11	397270	1422093	0.084						Si
163	7.6	5.4	11.4	5.4	335843	LU 12	513210	1422093	0.084						Si
182	7.6	5.4	11.4	5.4	453727	LU 12	625392	1422093	0.084						Si
201	9.45	5.4	11.4	5.4	567853	LU 12	733816	1422093	0.084						Si
211	9.9	5.4	11.4	5.4	623507	LU 12	786619	1422093	0.084						Si
230	10.81	5.4	13.63	5.4	731995	LU 12	889406	1686711	0.087						Si
249	11.4	5.4	14.92	5.4	836726	LU 12	920259	1839686	0.089						Si
265	11.4	5.4	15.21	5.4	920259	LU 12	920259	1873055	0.09						Si
268	11.4	5.4	15.21	5.4	937698	LU 12	936358	1873055	0.09						Si
287	11.4	5.4	15.21	5.4	1034912	LU 12	978828	1873055	0.09						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	7918	LU 12	7918	13760	76908	0	13760	1	Si
19	0	20.78	0	7722	LU 12	7722	13340	76908	0	13340	1	Si
23	0.187	20.78	0	7688	LU 12	7688	13340	76908	21675	21675	1	Si
38	0.187	17.17	0	7526	LU 12	7526	12518	76908	21675	21675	1	Si
57	0.187	13.56	0	7330	LU 12	7330	11570	76908	21675	21675	1	Si
77	0.187	7.6	0	7133	LU 12	7133	9541	76908	21675	21675	1	Si
86	0.187	7.6	0	7035	LU 12	7035	9541	76908	21675	21675	1	Si
105	0.177	7.6	0	6839	LU 12	6839	9541	76908	20516	20516	1	Si
125	0.177	11.4	0	6643	LU 12	6643	10922	76908	20516	20516	1	Si
144	0.177	11.4	0	6447	LU 12	6447	10922	76908	20516	20516	1	Si
163	0.177	11.4	0	6251	LU 12	6251	10922	76908	20516	20516	1	Si
182	0.177	11.4	0	6055	LU 12	6055	10922	76908	20516	20516	1	Si
201	0.172	11.4	0	5858	LU 12	5858	10922	76908	20007	20007	1	Si
211	0.172	11.4	0	5760	LU 12	5760	10922	76908	20007	20007	1	Si
230	0.172	11.4	0	5564	LU 12	5564	10922	76908	20007	20007	1	Si
249	0.172	11.4	0	5368	LU 12	5368	10922	76908	20007	20007	1	Si
265	0.172	11.4	0	5206	LU 12	5206	10922	76908	20007	20007	1	Si
268	0	11.4	0	5172	LU 12	5172	10922	76908	0	10922	1	Si
287	0	12.99	0	4976	LU 12	4976	11406	76908	0	11406	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-612131	3	-545407	14.9	124.5	415.8	1837	-534319	2	-475420	13	93.4	0	+∞	Si
19	-499799	3	-498409	13.6	124.5	380	1837	-435315	2	-434097	11.8	93.4	0	+∞	Si
23	-480594	3	-480594	13.1	124.5	366.4	1837	-418433	2	-418433	11.4	93.4	0	+∞	Si
38	-390358	3	-480594	13.1	124.5	366.4	1837	-339201	2	-418433	11.4	93.4	0	+∞	Si
57	-283807	3	-446615	12.2	124.5	340.5	1837	-245978	2	-388565	10.6	93.4	0	+∞	Si
77	-180148	3	-338570	9.3	124.5	260.5	1837	-155646	2	-293847	8	93.4	0	+∞	Si
86	-129402	3	-285631	8	124.5	238	1837	-111564	2	-247572	7	93.4	0	+∞	Si
105	-30079	3	-181922	5.4	124.5	182	1837	-25568	2	-157190	4.7	93.4	0	+∞	Si
125	66599	2	207180	6.9	124.5	307.1	1837	57536	2	178093	6	93.4	0	+∞	Si
144	160010	2	296287	10.8	124.5	441.1	1837	137750	2	253921	9.2	93.4	0	+∞	Si
163	250545	3	382551	13.9	124.5	569.6	1837	215073	2	326857	11.9	93.4	0	+∞	Si
182	338305	3	465924	16.9	124.5	693.7	1837	289505	2	396903	14.4	93.4	0	+∞	Si
201	423174	3	546407	19.3	124.5	812.3	1837	361046	2	464058	16.4	93.4	0	+∞	Si
211	464524	3	585564	20.6	124.5	870.2	1837	395732	2	496551	17.5	93.4	0	+∞	Si
230	545056	3	661710	21.6	124.5	827	1837	462937	2	559369	18.2	93.4	0	+∞	Si
249	622697	3	684542	21.5	124.5	783.7	1837	527251	2	578092	18.1	93.4	0	+∞	Si
265	684542	3	684542	21.3	124.5	769.8	1837	578092	2	578092	18	93.4	0	+∞	Si
268	697448	3	696455	21.7	124.5	783.2	1837	588673	2	587853	18.3	93.4	0	+∞	Si
287	769307	3	727880	22.7	124.5	818.5	1837	647205	2	613604	19.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
23	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
38	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
57	0	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
77	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
86	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
105	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
125	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
144	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.008	2	9999	Si
163	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.01	2	0.009	2	9999	Si
182	0.006	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.011	2	0.01	2	9999	Si
201	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
211	0.006	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.011	2	0.01	2	9999	Si
230	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si
249	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.008	2	0.007	2	9999	Si
265	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
268	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si

Campata 2 tra i fili 57A - 54A, sezione R 45x70, asta 767

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	404874	LU 11	404874	1873055	0.09						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
19	11.4	5.4	15.21	5.4	451860	LU 11	451860	1873055	0.09						Si
23	11.4	5.4	15.21	5.4	459934	LU 11	523531	1873055	0.09						Si
38	11.4	5.4	15.21	5.4	495141	LU 11	554091	1873055	0.09						Si
57	10.82	5.4	15.21	5.4	534716	LU 11	588004	1873095	0.09						Si
67	10.38	5.4	14.81	5.4	553114	LU 11	603612	1825898	0.09						Si
86	9.48	5.4	13.53	5.4	587131	LU 11	632081	1673991	0.088						Si
105	7.6	5.4	11.4	5.4	617537	LU 12	656844	1422093	0.084						Si
124	7.6	5.4	11.4	5.4	644256	LU 12	677902	1422093	0.084						Si
143	7.6	5.4	11.4	5.4	667270	LU 12	695254	1422093	0.084						Si
162	7.6	5.4	11.4	5.4	686579	LU 12	708900	1422093	0.084						Si
181	7.6	5.4	11.4	5.4	702181	LU 12	718840	1422093	0.084						Si
190	7.6	5.4	11.4	5.4	708593	LU 12	722421	1422093	0.084						Si
200	7.6	5.4	15.65	5.4	714078	LU 12	725075	1925956	0.093						Si
209	7.6	5.4	16.93	5.4	718637	LU 12	726803	2077874	0.097						Si
228	7.6	5.4	19.01	5.4	724976	LU 12	727609	2323876	0.102						Si
247	7.6	5.4	19.01	5.4	727609	LU 12	727609	2323876	0.102						Si
263	7.6	5.4	19.01	5.4	726901	LU 12	727609	2323876	0.102						Si
266	7.6	5.4	19.01	5.4	726536	LU 12	726522	2323876	0.102						Si
285	7.6	5.4	19.01	5.4	721758	LU 12	721758	2323876	0.102						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.81	0	2573	LU 12	2573	11915	76908	0	11915	1	Si
19	0	13.53	0	2378	LU 12	2378	11561	76908	0	11561	1	Si
23	0.144	13.53	0	2343	LU 12	2343	11561	76908	16673	16673	1	Si
38	0.144	11.4	0	2184	LU 12	2184	10922	76908	16673	16673	1	Si
57	0.144	11.4	0	1989	LU 12	1989	10922	76908	16673	16673	1	Si
67	0.144	11.4	0	1891	LU 12	1891	10922	76908	16673	16673	1	Si
86	0.144	11.4	0	1697	LU 12	1697	10922	76908	16673	16673	1	Si
105	0.13	11.4	0	1502	LU 12	1502	10922	76908	15115	15115	1	Si
124	0.13	11.4	0	1307	LU 12	1307	10922	76908	15115	15115	1	Si
143	0.13	14.17	0	1112	LU 12	1112	11741	76908	15115	15115	1	Si
162	0.13	11.4	0	917	LU 12	917	10922	76908	15115	15115	1	Si
181	0.13	11.4	0	723	LU 12	723	10922	76908	15115	15115	1	Si
200	0.129	11.4	0	528	LU 12	528	10922	76908	15005	15005	1	Si
209	0.129	11.4	0	431	LU 12	431	10922	76908	15005	15005	1	Si
228	0.129	11.4	0	236	LU 12	236	10922	76908	15005	15005	1	Si
247	0.129	11.4	0	61	LU 3	61	10922	76908	15005	15005	1	Si
247	0.129	11.4	0	-86	LU 10	-86	-10922	-76908	-15005	-15005	1	Si
263	0.129	15.65	0	-245	LU 10	-245	-12136	-76908	-15005	-15005	1	Si
266	0	15.65	0	-281	LU 10	-281	-12136	-76908	0	-12136	1	Si
285	0	18.21	0	-476	LU 10	-476	-12766	-76908	0	-12766	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	296668	2	296668	9.2	124.5	333.6	1837	229449	2	229449	7.1	93.4	0	+∞	Si
19	332575	2	332575	10.4	124.5	374	1837	264281	2	264281	8.2	93.4	0	+∞	Si
23	338742	2	387302	12.1	124.5	435.5	1837	270252	2	317169	9.9	93.4	0	+∞	Si
38	365632	2	410617	12.8	124.5	461.7	1837	296262	2	339605	10.6	93.4	0	+∞	Si
57	395838	2	436468	13.7	124.5	491.1	1837	325393	2	364380	11.4	93.4	0	+∞	Si
67	409872	2	448351	14.3	124.5	517.7	1837	338890	2	375699	12	93.4	0	+∞	Si
86	435803	2	470002	15.6	124.5	592.7	1837	363745	2	396199	13.2	93.4	0	+∞	Si
105	458946	3	488803	17.7	124.5	727.8	1837	385750	2	413848	15	93.4	0	+∞	Si
124	479251	3	504753	18.3	124.5	751.5	1837	404904	2	428647	15.6	93.4	0	+∞	Si
143	496706	3	517853	18.8	124.5	771	1837	421208	2	440596	16	93.4	0	+∞	Si
162	511311	3	528102	19.2	124.5	786.3	1837	434662	2	449694	16.3	93.4	0	+∞	Si
181	523065	3	535500	19.4	124.5	797.3	1837	445264	2	455941	16.6	93.4	0	+∞	Si
200	531968	3	540049	17.5	124.5	593.2	1837	453017	2	459338	14.9	93.4	0	+∞	Si
209	535351	3	541254	17.1	124.5	551.4	1837	455824	2	459970	14.5	93.4	0	+∞	Si
228	539979	3	541756	16.5	124.5	494.1	1837	459301	2	459970	14	93.4	0	+∞	Si
247	541756	3	541756	16.5	124.5	494.1	1837	459927	2	459970	14	93.4	0	+∞	Si
263	541009	3	541756	16.5	124.5	494.1	1837	458239	2	459970	14	93.4	0	+∞	Si
266	540683	3	540676	16.4	124.5	493.1	1837	457702	2	457702	13.9	93.4	0	+∞	Si
285	536760	3	536760	16.3	124.5	489.5	1837	452628	2	452628	13.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.006	2	0.005	2	9999	Si
23	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
38	0.006	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.011	2	0.01	2	9999	Si
57	0.008	0.006	0.007	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.015	2	0.014	2	9999	Si
67	0.009	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.017	2	0.016	2	9999	Si
86	0.011	0.008	0.01	0.007	0.01	0.008	0.009	0.007	0.009	0.008	0.021	2	0.019	2	9999	Si
105	0.012	0.009	0.011	0.008	0.011	0.009	0.01	0.008	0.01	0.009	0.023	2	0.021	2	9999	Si
124	0.013	0.01	0.012	0.009	0.012	0.01	0.01	0.009	0.011	0.01	0.025	2	0.023	2	9999	Si
143	0.013	0.01	0.012	0.009	0.012	0.01	0.011	0.009	0.011	0.01	0.026	2	0.024	2	9999	Si
152	0.013	0.01	0.012	0.009	0.012	0.01	0.011	0.009	0.011	0.01	0.026	2	0.024	2	9999	Si
162	0.013	0.01	0.012	0.009	0.012	0.01	0.011	0.009	0.011	0.01	0.025	2	0.023	2	9999	Si
181	0.013	0.01	0.011	0.009	0.011	0.01	0.01	0.009	0.011	0.01	0.024	2	0.022	2	9999	Si
200	0.012	0.009	0.01	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.022	2	0.02	2	9999	Si
209	0.011	0.008	0.01	0.008	0.01	0.008	0.009	0.008	0.009	0.008	0.021	2	0.019	2	9999	Si
228	0.009	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.017	2	0.016	2	9999	Si
247	0.006	0.005	0.006	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
263	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.008	2	0.007	2	9999	Si
266	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si

Campata 3 tra i fili 54A - 49A, sezione R 45x70, asta 768

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	823707	LU 11	794768	2323876	0.102						Si
20	7.6	5.4	19.01	5.4	769954	LU 11	769547	2323876	0.102						Si
23	7.6	5.4	19.01	5.4	763331	LU 11	763331	2323876	0.102						Si
40	7.6	5.4	18.44	5.4	712043	LU 11	763331	2256500	0.101						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
60	7.6	5.4	15.72	5.4	649975	LU 11	738127	1934954	0.093						Si
71	7.6	5.4	11.4	5.4	617418	LU 12	708532	1422093	0.084						Si
81	7.6	5.4	11.4	5.4	583828	LU 12	677898	1422093	0.084						Si
91	7.6	5.4	11.4	5.4	549199	LU 12	646224	1422093	0.084						Si
111	7.6	5.4	11.4	5.4	476822	LU 12	579844	1422093	0.084						Si
131	7.6	5.4	11.4	5.4	400287	LU 12	509307	1422093	0.084						Si
151	7.6	5.4	11.4	5.4	319595	LU 12	434612	1422093	0.084						Si
171	7.6	5.4	11.4	5.4	234744	LU 12	355759	1422093	0.084						Si
191	13.56	5.4	11.4	5.4	145736	LU 12	272748	1422094	0.084						Si
212	16.41	5.4	11.4	5.4	72979	LU 17	185580	1422107	0.084	35737	LU 2	-89964	-2016165	0.092	Si
232	19.01	5.4	13.68	5.4	1783	LU 8	103292	1692080	0.086	-45483	LU 11	-193372	-2323296	0.095	Si
242	19.01	5.4	14.36	5.4	-26920	LU 8	68919	1772458	0.087	-95748	LU 11	-246636	-2323260	0.095	Si
262	19.01	5.4	15.21	5.4						-199395	LU 11	-294524	-2323187	0.094	Si
280	19.01	5.4	15.21	5.4						-294524	LU 11	-294524	-2323187	0.094	Si
282	19.01	5.4	15.21	5.4						-307200	LU 11	-306600	-2323187	0.094	Si
302	19.01	5.4	15.21	5.4						-419163	LU 11	-355594	-2323187	0.094	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.72	0	-2564	LU 11	-2564	-12156	-76908	0	-12156	1	Si
20	0	11.4	0	-2770	LU 11	-2770	-10922	-76908	0	-10922	1	Si
23	0.158	11.4	0	-2794	LU 11	-2794	-10922	-76908	-18340	-18340	1	Si
40	0.158	11.4	0	-2977	LU 11	-2977	-10922	-76908	-18340	-18340	1	Si
60	0.158	11.4	0	-3183	LU 11	-3183	-10922	-76908	-18340	-18340	1	Si
81	0.158	11.4	0	-3389	LU 11	-3389	-10922	-76908	-18340	-18340	1	Si
91	0.158	11.4	0	-3493	LU 11	-3493	-10922	-76908	-18340	-18340	1	Si
111	0.154	11.4	0	-3699	LU 11	-3699	-10922	-76908	-17910	-17910	1	Si
131	0.154	11.4	0	-3905	LU 11	-3905	-10922	-76908	-17910	-17910	1	Si
151	0.154	11.4	0	-4111	LU 11	-4111	-10922	-76908	-17910	-17910	1	Si
171	0.154	11.4	0	-4318	LU 11	-4318	-10922	-76908	-17910	-17910	1	Si
191	0.154	11.4	0	-4524	LU 11	-4524	-10922	-76908	-17910	-17910	1	Si
212	0.158	11.4	0	-4730	LU 11	-4730	-10922	-76908	-18340	-18340	1	Si
232	0.158	7.6	0	-4937	LU 11	-4937	-9541	-76908	-18340	-18340	1	Si
242	0.158	12.14	0	-5040	LU 11	-5040	-11151	-76908	-18340	-18340	1	Si
262	0.158	14.99	0	-5246	LU 11	-5246	-11963	-76908	-18340	-18340	1	Si
280	0.158	16.41	0	-5428	LU 11	-5428	-12331	-76908	-18340	-18340	1	Si
282	0	17.84	0	-5453	LU 11	-5453	-12678	-76908	0	-12678	1	Si
302	0	19.01	0	-5659	LU 11	-5659	-12949	-76908	0	-12949	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	608145	2	587338	17.9	124.5	535.7	1837	492232	2	478040	14.5	93.4	0	+∞	Si
20	569401	2	569104	17.3	124.5	519	1837	465337	2	465112	14.1	93.4	0	+∞	Si
23	564610	2	564610	17.2	124.5	514.9	1837	461926	2	461926	14	93.4	0	+∞	Si
40	527459	2	564610	17.3	124.5	530.1	1837	435244	2	461926	14.2	93.4	0	+∞	Si
60	482318	2	546371	17.7	124.5	597.4	1837	401953	2	448913	14.6	93.4	0	+∞	Si
81	434032	3	502645	18.2	124.5	748.4	1837	365464	2	417037	15.1	93.4	0	+∞	Si
91	408692	3	479583	17.4	124.5	714.1	1837	346019	2	399900	14.5	93.4	0	+∞	Si
111	355613	3	431116	15.7	124.5	641.9	1837	304732	2	363226	13.2	93.4	0	+∞	Si
131	299335	3	379453	13.8	124.5	565	1837	260247	2	323354	11.7	93.4	0	+∞	Si
151	239860	3	324590	11.8	124.5	483.3	1837	212563	2	280284	10.2	93.4	0	+∞	Si
171	177186	3	266530	9.7	124.5	396.8	1837	161681	2	234015	8.5	93.4	0	+∞	Si
191	111313	3	205271	6.9	124.5	304.3	1837	107600	2	184548	6.2	93.4	0	+∞	Si
212	55849	8	140814	4.6	124.5	208.4	1837	53967	1	131883	4.3	93.4	0	+∞	Si
232	711	8	79184	2.3	124.5	98	1837								Si
232	-30513	2	-140517	3.9	124.5	127.2	1837	-10156	2	-103068	2.9	93.4	0	+∞	Si
242	-67876	2	-180187	5	124.5	163	1837	-41594	2	-136812	3.8	93.4	0	+∞	Si
262	-145000	2	-215875	5.9	124.5	195.1	1837	-106869	2	-167274	4.6	93.4	0	+∞	Si
280	-215875	2	-215875	5.9	124.5	195.1	1837	-167274	2	-167274	4.6	93.4	0	+∞	Si
282	-225323	2	-224877	6.2	124.5	203.3	1837	-175342	2	-174968	4.8	93.4	0	+∞	Si
302	-308844	2	-261399	7.2	124.5	236.3	1837	-247014	2	-206183	5.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
23	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.006	2	0.005	2	9999	Si
40	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
60	0.006	0.005	0.006	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
81	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
91	0.007	0.006	0.007	0.005	0.007	0.006	0.006	0.005	0.006	0.006	0.015	2	0.014	2	9999	Si
111	0.008	0.006	0.007	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.015	2	0.014	2	9999	Si
131	0.008	0.006	0.007	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.015	2	0.014	2	9999	Si
151	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
171	0.006	0.005	0.006	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.013	2	0.012	2	9999	Si
191	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
212	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
232	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
242	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
262	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
280	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
282	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2	0.001	2	9999	Si

Trave a "Piano 1" 60A-63

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 60A - 60B, sezione R 45x70, asta 776

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	15.21	5.4	586124	LU 12	582197	1872544	0.088						Si
22	19.01	5.4	15.21	5.4	571536	LU 12	571457	1872544	0.088						Si
23	19.01	5.4	15.21	5.4	570956	LU 12	570956	1872544	0.088						Si
44	19.01	5.4	15.21	5.4	542825	LU 12	570956	1872544	0.088						Si
66	19.01	5.4	15.21	5.4	499990	LU 12	553200	1872544	0.088						Si
88	19.01	5.4	15.21	5.4	443031	LU 12	514910	1872544	0.088						Si
99	19.01	5.4	15.21	5.4	409255	LU 12	490469	1872544	0.088						Si
121	19.01	5.4	15.21	5.4	331111	LU 12	430993	1872544	0.088						Si
143	19.01	5.4	15.21	5.4	238935	LU 11	357394	1872544	0.088						Si
165	19.01	5.4	15.21	5.4	132822	LU 11	269673	1872544	0.088	82489	LU 8	-31076	-2323187	0.094	Si
187	19.01	5.4	15.21	5.4	12585	LU 11	168105	1872544	0.088	5398	LU 8	-169438	-2323187	0.094	Si
209	19.01	5.4	15.21	5.4	-76011	LU 1	130075	1872544	0.088	-122703	LU 12	-322746	-2323187	0.094	Si
231	19.01	5.4	15.21	5.4	-168868	LU 1	77111	1872544	0.088	-271466	LU 12	-490177	-2323187	0.094	Si
253	23.57	5.4	15.21	5.4	-270183	LU 1	2961	1872400	0.087	-434352	LU 12	-671732	-2863916	0.102	Si
264	24.61	5.4	15.21	5.4						-521092	LU 12	-767806	-2986508	0.103	Si
286	26.61	5.4	15.21	5.4						-705164	LU 12	-898707	-3222619	0.107	Si
307	26.61	5.4	15.21	5.4						-898707	LU 12	-898707	-3222619	0.107	Si
308	26.61	5.4	15.21	5.4						-903360	LU 12	-903360	-3222619	0.107	Si
330	26.61	5.4	15.21	5.4						-1115679	LU 12	-1003536	-3222619	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	-541	LU 17	-541	-12021	-76908	0	-12021	1	Si
22	0	15.21	0	-1041	LU 17	-1041	-12021	-76908	0	-12021	1	Si
23	0.158	15.21	0	-1053	LU 17	-1053	-12021	-76908	-18340	-18340	1	Si
44	0.158	15.21	0	-1629	LU 18	-1629	-12021	-76908	-18340	-18340	1	Si
66	0.158	15.21	0	-2269	LU 12	-2269	-12021	-76908	-18340	-18340	1	Si
88	0.158	15.21	0	-2911	LU 12	-2911	-12021	-76908	-18340	-18340	1	Si
99	0.187	15.21	0	-3232	LU 12	-3232	-12021	-76908	-21748	-21748	1	Si
121	0.187	15.21	0	-3874	LU 12	-3874	-12021	-76908	-21748	-21748	1	Si
143	0.187	15.21	0	-4516	LU 12	-4516	-12021	-76908	-21748	-21748	1	Si
165	0.187	15.21	0	-5159	LU 12	-5159	-12021	-76908	-21748	-21748	1	Si
187	0.187	15.21	0	-5801	LU 12	-5801	-12021	-76908	-21748	-21748	1	Si
209	0.187	19.01	0	-6443	LU 12	-6443	-12949	-76908	-21748	-21748	1	Si
231	0.187	19.01	0	-7085	LU 12	-7085	-12949	-76908	-21748	-21748	1	Si
253	0.201	19.01	0	-7727	LU 12	-7727	-12949	-76908	-23342	-23342	1	Si
264	0.201	19.01	0	-8049	LU 12	-8049	-12949	-76908	-23342	-23342	1	Si
286	0.201	19.01	0	-8691	LU 12	-8691	-12949	-76908	-23342	-23342	1	Si
307	0.201	22.54	0	-9318	LU 12	-9318	-13706	-76908	-23342	-23342	1	Si
308	0	22.54	0	-9333	LU 12	-9333	-13706	-76908	0	-13706	1	Si
330	0	24.61	0	-9975	LU 12	-9975	-14114	-76908	0	-14114	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	441985	3	438796	11.8	124.5	490.4	1837	401237	2	397314	11.3	93.4	0	+∞	Si
22	430593	3	430533	12.2	124.5	481.2	1837	389124	2	389072	11	93.4	0	+∞	Si
23	430148	3	430148	12.2	124.5	480.8	1837	388687	2	388687	11	93.4	0	+∞	Si
44	408657	3	430148	12.2	124.5	480.8	1837	367927	2	388687	11	93.4	0	+∞	Si
66	376178	3	416564	11.8	124.5	465.6	1837	337646	2	375479	10.6	93.4	0	+∞	Si
88	333155	3	387478	11	124.5	433.1	1837	298281	2	348121	9.9	93.4	0	+∞	Si
99	307690	3	368981	10.5	124.5	411.8	1837	275192	2	331035	9.4	93.4	0	+∞	Si
121	248852	3	324079	9.2	124.5	362.2	1837	222201	2	290051	8.2	93.4	0	+∞	Si
143	179531	2	268634	7.6	124.5	300.2	1837	160126	2	239984	6.8	93.4	0	+∞	Si
165	99792	2	202646	5.7	124.5	226.5	1837	88967	2	180832	5.1	93.4	0	+∞	Si
187	9509	2	126300	3.6	124.5	141.2	1837	8724	2	112596	3.2	93.4	0	+∞	Si
209	-91937	3	-241936	6.7	124.5	218.7	1837	-80603	2	-212874	5.9	93.4	0	+∞	Si
231	-203493	3	-367428	10.1	124.5	332.1	1837	-179014	2	-323292	8.9	93.4	0	+∞	Si
253	-325593	3	-503464	13	124.5	370.1	1837	-286509	2	-442794	11.4	93.4	0	+∞	Si
264	-390596	3	-575436	14.6	124.5	406	1837	-343663	2	-505952	12.9	93.4	0	+∞	Si
286	-528511	3	-673485	16.7	124.5	441	1837	-464784	2	-591933	14.7	93.4	0	+∞	Si
307	-673485	3	-673485	16.7	124.5	441	1837	-591933	2	-591933	14.7	93.4	0	+∞	Si
308	-676970	3	-676970	16.8	124.5	443.2	1837	-594988	2	-594988	14.8	93.4	0	+∞	Si
330	-835972	3	-751999	18.7	124.5	491.8	1837	-734277	2	-660753	16.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
23	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
44	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
66	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
88	0.005	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
99	0.005	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
121	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.006	2	9999	Si
143	0.004	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
165	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
187	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
209	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
231	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
253	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
264	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	1	-0.004	1	9999	Si
286	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
307	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
308	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si

Campata 2 tra i fili 60B - 60C, sezione R 45x70, asta 777

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	15.21	5.4						-511635	LU 12	-473754	-3222619	0.107	Si
22	26.61	5.4	15.21	5.4						-443664	LU 12	-443664	-3222619	0.107	Si
23	26.61	5.4	15.21	5.4						-443238	LU 12	-443238	-3222619	0.107	Si
45	26.61	5.4	15.21	5.4						-390256	LU 12	-443238	-3222619	0.107	Si
67	24.52	5.4	15.21	5.4						-351414	LU 12	-405268	-2975106	0.103	Si
89	21.81	5.4	15.21	5.4	-198261	LU 1	44430	1872422	0.087	-327135	LU 12	-362032	-2726071	0.1	Si
101	19.01	5.4	15.21	5.4	-196505	LU 1	79924	1872544	0.088	-320457	LU 12	-345875	-2323187	0.094	Si
123	19.01	5.4	15.21	5.4	-199533	LU 1	134527	1872544	0.088	-318026	LU 12	-337113	-2323187	0.094	Si
145	19.01	5.4	15.21	5.4	-211283	LU 1	167283	1872544	0.088	-330158	LU 12	-368203	-2323187	0.094	Si
168	19.01	5.4	15.21	5.4	-231756	LU 1	178193	1872544	0.088	-356855	LU 12	-413858	-2323187	0.094	Si
190	19.01	5.4	15.21	5.4	-260952	LU 1	167256	1872544	0.088	-398117	LU 12	-474077	-2323187	0.094	Si
212	19.01	5.4	15.21	5.4	-298870	LU 1	134472	1872544	0.088	-453943	LU 12	-548861	-2323187	0.094	Si
235	19.01	5.4	15.21	5.4	-345510	LU 1	79842	1872544	0.088	-524333	LU 12	-638209	-2323187	0.094	Si
257	23.46	5.4	15.21	5.4	-400872	LU 1	3365	1872393	0.087	-609288	LU 12	-742121	-2850520	0.101	Si
268	24.52	5.4	15.21	5.4						-657227	LU 12	-799539	-2975106	0.103	Si
290	26.61	5.4	15.21	5.4						-764028	LU 12	-884471	-3222619	0.107	Si
313	26.61	5.4	15.21	5.4						-884471	LU 12	-884471	-3222619	0.107	Si
313	26.61	5.4	15.21	5.4						-885404	LU 12	-885404	-3222619	0.107	Si
335	26.61	5.4	15.21	5.4						-1021491	LU 12	-949337	-3222619	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	24.52	0	3377	LU 11	3377	14096	76908	0	14096	1	Si
22	0	21.81	0	2724	LU 11	2724	13680	76908	0	13680	1	Si
23	0.158	21.81	0	2720	LU 11	2720	13680	76908	18340	18340	1	Si
45	0.158	19.01	0	2072	LU 11	2072	12949	76908	18340	18340	1	Si
67	0.158	19.01	0	1420	LU 11	1420	12949	76908	18340	18340	1	Si
89	0.158	19.01	0	768	LU 11	768	12949	76908	18340	18340	1	Si
101	0.154	19.01	0	442	LU 11	442	12949	76908	17895	17895	1	Si
123	0.154	19.01	0	-458	LU 17	-458	-12949	-76908	-17895	-17895	1	Si
145	0.154	19.01	0	-966	LU 17	-966	-12949	-76908	-17895	-17895	1	Si
168	0.154	19.01	0	-1521	LU 12	-1521	-12949	-76908	-17895	-17895	1	Si
190	0.154	19.01	0	-2174	LU 12	-2174	-12949	-76908	-17895	-17895	1	Si
212	0.154	19.01	0	-2826	LU 12	-2826	-12949	-76908	-17895	-17895	1	Si
235	0.154	19.01	0	-3478	LU 12	-3478	-12949	-76908	-17895	-17895	1	Si
257	0.172	19.01	0	-4130	LU 12	-4130	-12949	-76908	-20007	-20007	1	Si
268	0.172	19.01	0	-4456	LU 12	-4456	-12949	-76908	-20007	-20007	1	Si
290	0.172	19.01	0	-5108	LU 12	-5108	-12949	-76908	-20007	-20007	1	Si
313	0.172	21.81	0	-5766	LU 12	-5766	-13680	-76908	-20007	-20007	1	Si
313	0	21.81	0	-5771	LU 12	-5771	-13680	-76908	0	-13680	1	Si
335	0	24.52	0	-6386	LU 12	-6386	-14096	-76908	0	-14096	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-379866	3	-351888	8.7	124.5	230.4	1837	-317253	2	-294545	7.3	93.4	0	+∞	Si
22	-329722	3	-329722	8.2	124.5	215.9	1837	-276823	2	-276823	6.9	93.4	0	+∞	Si
23	-329408	3	-329408	8.2	124.5	215.7	1837	-276574	2	-276574	6.9	93.4	0	+∞	Si
45	-290450	3	-329408	8.2	124.5	215.7	1837	-245760	2	-276574	6.9	93.4	0	+∞	Si
67	-262051	3	-301476	7.7	124.5	213.5	1837	-224064	2	-254423	6.5	93.4	0	+∞	Si
89	-244525	3	-269798	7.1	124.5	208.2	1837	-211736	2	-229902	6	93.4	0	+∞	Si
101	-239839	3	-258036	7.1	124.5	233.2	1837	-209085	2	-221154	6.1	93.4	0	+∞	Si
123	-238621	3	-253649	7	124.5	229.3	1837	-210808	2	-227363	6.3	93.4	0	+∞	Si
145	-248277	3	-277456	7.6	124.5	250.8	1837	-221898	2	-250646	6.9	93.4	0	+∞	Si
168	-268804	3	-312136	8.6	124.5	282.1	1837	-242356	2	-283297	7.8	93.4	0	+∞	Si
190	-300205	3	-357689	9.9	124.5	323.3	1837	-272181	2	-325316	9	93.4	0	+∞	Si
212	-342478	3	-414114	11.4	124.5	374.3	1837	-311374	2	-376701	10.4	93.4	0	+∞	Si
235	-395623	3	-481412	13.3	124.5	435.1	1837	-359934	2	-437455	12.1	93.4	0	+∞	Si
257	-459641	3	-559582	14.4	124.5	413.2	1837	-417862	2	-507576	13.1	93.4	0	+∞	Si
268	-495728	3	-602745	15.3	124.5	426.8	1837	-450339	2	-546149	13.9	93.4	0	+∞	Si
290	-576055	3	-666561	16.5	124.5	436.4	1837	-522318	2	-603045	15	93.4	0	+∞	Si
313	-666561	3	-666561	16.5	124.5	436.4	1837	-603045	2	-603045	15	93.4	0	+∞	Si
313	-667262	3	-667262	16.6	124.5	436.9	1837	-603670	2	-603670	15	93.4	0	+∞	Si
335	-769447	3	-715284	17.7	124.5	468.3	1837	-694462	2	-646414	16	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
23	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
45	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.008	1	-0.009	1	9999	Si
67	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.012	1	-0.012	1	9999	Si
89	-0.007	-0.008	-0.006	-0.008	-0.007	-0.008	-0.006	-0.007	-0.007	-0.007	-0.015	1	-0.015	1	9999	Si
101	-0.007	-0.009	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.016	1	-0.017	1	9999	Si
123	-0.008	-0.01	-0.008	-0.009	-0.008	-0.009	-0.008	-0.008	-0.008	-0.009	-0.018	1	-0.019	1	9999	Si
145	-0.009	-0.011	-0.008	-0.01	-0.009	-0.01	-0.008	-0.009	-0.009	-0.01	-0.019	1	-0.02	1	9999	Si
168	-0.01	-0.011	-0.009	-0.01	-0.01	-0.01	-0.009	-0.009	-0.01	-0.01	-0.02	1	-0.021	1	9999	Si
190	-0.01	-0.011	-0.009	-0.01	-0.01	-0.011	-0.009	-0.01	-0.01	-0.01	-0.021	1	-0.022	1	9999	Si
212	-0.01	-0.011	-0.009	-0.01	-0.01	-0.01	-0.009	-0.009	-0.01	-0.01	-0.02	1	-0.021	1	9999	Si
235	-0.009	-0.011	-0.008	-0.01	-0.009	-0.01	-0.008	-0.009	-0.009	-0.009	-0.019	1	-0.02	1	9999	Si
257	-0.008	-0.009	-0.007	-0.008	-0.008	-0.009	-0.007	-0.008	-0.008	-0.008	-0.017	1	-0.017	1	9999	Si
268	-0.007	-0.009	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.015	1	-0.016	1	9999	Si
290	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.011	1	-0.012	1	9999	Si
313	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
313	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si

Campata 3 tra i fili 60C - 61, sezione R 45x70, asta 778

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	15.21	5.4						-1048314	LU 12	-959145	-3222619	0.107	Si
21	26.61	5.4	15.21	5.4						-888034	LU 12	-887841	-3222619	0.107	Si
23	26.61	5.4	15.21	5.4						-877189	LU 12	-877189	-3222619	0.107	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
42	26.61	5.4	15.21	5.4						-740829	LU 12	-877189	-3222619	0.107	Si
63	24.9	5.4	15.21	5.4						-606493	LU 12	-796284	-3020065	0.104	Si
73	23.91	5.4	15.21	5.4	-360125	LU 1	1605	1872387	0.087	-544148	LU 12	-725031	-2903127	0.102	Si
94	19.01	5.4	15.21	5.4	-291206	LU 1	69125	1872544	0.088	-429103	LU 12	-592172	-2323187	0.094	Si
115	19.01	5.4	15.21	5.4	-229989	LU 1	117354	1872544	0.088	-326920	LU 12	-472174	-2323187	0.094	Si
136	19.01	5.4	15.21	5.4	-176474	LU 1	146290	1872544	0.088	-239501	LU 18	-365037	-2323187	0.094	Si
157	19.01	5.4	15.21	5.4	-121939	LU 3	155935	1872544	0.088	-171489	LU 15	-271535	-2323187	0.094	Si
178	19.01	5.4	15.21	5.4	-69773	LU 3	146288	1872544	0.088	-120317	LU 10	-194577	-2323187	0.094	Si
199	21.32	5.4	23.96	6.5	-28157	LU 3	117349	2856216	0.099	-80787	LU 10	-138501	-2650197	0.106	Si
220	22.31	5.4	29.61	6.9	2908	LU 3	69118	3490941	0.106	-51270	LU 10	-95047	-2800618	0.113	Si
231	22.81	5.4	30.41	6.9	14484	LU 3	37768	3580946	0.107	-40266	LU 10	-77109	-2862523	0.114	Si
252	26.6	5.4	30.41	6.9	29724	LU 3	34412	3580878	0.103	-25769	LU 10	-48742	-3289914	0.12	Si
273	28.57	5.4	30.41	6.9	34412	LU 3	34412	3580764	0.102	-21285	LU 10	-30389	-3511046	0.124	Si
292	30.41	5.4	30.41	6.9	30651	LU 9	34412	3580725	0.101	-26235	LU 10	-26235	-3716232	0.127	Si
294	30.41	5.4	30.41	6.9	30289	LU 9	30181	3580725	0.101	-26814	LU 10	-26814	-3716232	0.127	Si
315	30.41	5.4	30.41	6.9	17994	LU 9	17994	3580725	0.101	-42356	LU 10	-31496	-3716232	0.127	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	24.9	0	7944	LU 12	7944	14168	76908	0	14168	1	Si
21	0	22.92	0	7331	LU 12	7331	13783	76908	0	13783	1	Si
23	0.259	22.92	0	7285	LU 12	7285	13783	76908	30011	30011	1	Si
42	0.259	19.01	0	6707	LU 12	6707	12949	76908	30011	30011	1	Si
63	0.259	19.01	0	6095	LU 12	6095	12949	76908	30011	30011	1	Si
73	0.259	19.01	0	5788	LU 12	5788	12949	76908	30011	30011	1	Si
94	0.24	19.01	0	5175	LU 12	5175	12949	76908	27873	27873	1	Si
115	0.24	19.01	0	4562	LU 12	4562	12949	76908	27873	27873	1	Si
136	0.24	21.32	0	3950	LU 12	3950	13455	76908	27873	27873	1	Si
157	0.24	19.01	0	3337	LU 12	3337	12949	76908	27873	27873	1	Si
178	0.24	19.01	0	2724	LU 12	2724	12949	76908	27873	27873	1	Si
199	0.24	19.01	0	2111	LU 12	2111	12949	76908	27873	27873	1	Si
220	0.24	19.01	0	1532	LU 18	1532	12949	76908	27873	27873	1	Si
231	0.23	19.01	0	1246	LU 18	1246	12949	76908	26676	26676	1	Si
252	0.23	15.21	0	674	LU 18	674	11884	75123	26057	26057	1	Si
273	0.23	26.78	0	140	LU 8	140	14352	75123	26057	26057	1	Si
273	0.23	26.78	0	-72	LU 11	-72	-14352	-75123	-26057	-26057	1	Si
292	0.23	30.41	0	-640	LU 11	-640	-14973	-75123	-26057	-26057	1	Si
294	0	30.41	0	-685	LU 11	-685	-14973	-75123	0	-14973	1	Si
315	0	26.6	0	-1297	LU 11	-1297	-14484	-76908	0	-14484	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-787159	3	-720592	17.9	124.5	471.8	1837	-698465	2	-641198	15.9	93.4	0	+∞	Si
21	-667506	3	-667362	16.6	124.5	437	1837	-595534	2	-595410	14.8	93.4	0	+∞	Si
23	-659410	3	-659410	16.4	124.5	431.8	1837	-588569	2	-588569	14.6	93.4	0	+∞	Si
42	-557612	3	-659410	16.4	124.5	431.8	1837	-501000	2	-588569	14.6	93.4	0	+∞	Si
63	-457325	3	-599011	15.2	124.5	418	1837	-414743	2	-536612	13.6	93.4	0	+∞	Si
73	-410782	3	-545818	14	124.5	395.9	1837	-374716	2	-490856	12.6	93.4	0	+∞	Si
94	-324896	3	-446634	12.3	124.5	403.7	1837	-300867	2	-405549	11.2	93.4	0	+∞	Si
115	-248612	3	-357050	9.8	124.5	322.7	1837	-235290	2	-328514	9.1	93.4	0	+∞	Si
136	-183197	9	-277068	7.6	124.5	250.4	1837	-177984	2	-259750	7.2	93.4	0	+∞	Si
157	-131747	6	-207203	5.7	124.5	187.3	1837	-130661	1	-199259	5.5	93.4	0	+∞	Si
178	-92551	1	-149393	4.1	124.5	135	1837	-92551	1	-147564	4.1	93.4	0	+∞	Si
199	-62144	1	-106533	2.6	124.5	86.1	1837	-62144	1	-106488	2.6	93.4	0	+∞	Si
220	-39438	1	-73113	1.7	124.5	56.5	1837	-39438	1	-73113	1.7	93.4	0	+∞	Si
231	-30974	1	-59315	1.4	124.5	44.9	1837	-30974	1	-59315	1.4	93.4	0	+∞	Si
252	13208	3	17484	0.4	124.5	10.6	1837								Si
252	-19822	1	-37494	0.8	124.5	24.5	1837	-19822	1	-37494	0.8	93.4	0	+∞	Si
273	17484	3	17484	0.4	124.5	10.5	1837								Si
273	-16373	1	-23376	0.5	124.5	14.2	1837	-16373	1	-23376	0.5	93.4	0	+∞	Si
292	13707	9	17484	0.4	124.5	10.5	1837								Si
292	-20181	1	-20181	0.4	124.5	11.6	1837	-20181	1	-20181	0.4	93.4	0	+∞	Si
294	13317	9	13219	0.3	124.5	8	1837								Si
294	-20626	1	-20626	0.4	124.5	11.8	1837	-20626	1	-20626	0.4	93.4	0	+∞	Si
315	1135	9	1135	0	124.5	0.7	1837								Si
315	-32582	1	-24227	0.5	124.5	13.9	1837	-32582	1	-24227	0.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
23	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
42	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
63	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.01	1	-0.01	1	9999	Si
73	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
94	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.012	1	9999	Si
115	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.012	1	9999	Si
136	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.012	1	9999	Si
157	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	2	-0.011	2	9999	Si
178	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	2	-0.01	2	9999	Si
199	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
220	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
231	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
252	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
273	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
292	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
294	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si

Campata 4 tra i fili 61 - 62, sezione R 45x70, asta 779

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	30.41	6.9						-878796	LU 12	-742438	-3716232	0.127	Si
23	30.41	5.4	30.41	6.9						-622316	LU 18	-622316	-3716232	0.127	Si
45	28.23	5.4	28.98	6.7						-404609	LU 17	-622316	-3474669	0.118	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
68	24.12	5.4	21.41	6.3	-106940	LU 2	85819	2570285	0.094	-220140	LU 17	-460365	-2964889	0.108	Si
91	16.54	5.4	19.01	5.4	46792	LU 2	245061	2323017	0.093	-53552	LU 17	-270856	-2030158	0.089	Si
102	13.3	5.4	19.01	5.4	122579	LU 11	316053	2323313	0.095	16505	LU 8	-182808	-1646304	0.086	Si
125	7.6	5.4	19.01	5.4	277549	LU 11	439721	2323876	0.102	124590	LU 8	-20123	-971525	0.08	Si
147	7.6	5.4	19.01	5.4	408098	LU 11	539062	2323876	0.102						Si
170	7.6	5.4	19.01	5.4	514251	LU 12	614131	2323876	0.102						Si
193	7.6	5.4	19.01	5.4	596201	LU 12	664778	2323876	0.102						Si
215	7.6	5.4	19.01	5.4	653730	LU 12	691005	2323876	0.102						Si
238	7.6	5.4	19.01	5.4	686837	LU 12	695524	2323876	0.102						Si
261	11.94	6.9	19.01	5.4	695524	LU 12	695524	2356614	0.115						Si
272	13.01	7.1	19.01	5.4	690709	LU 12	695524	2360080	0.117						Si
295	15.15	7.4	19.01	5.4	666389	LU 18	693422	2363988	0.122						Si
318	15.21	7.4	19.01	5.4	628598	LU 17	672390	2364068	0.122						Si
340	15.21	7.4	19.01	5.4	598684	LU 17	598684	2364068	0.122						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	24.12	0	12223	LU 12	12223	14020	76908	0	14020	1	Si
11	0	18.67	0	11689	LU 12	11689	12873	76908	0	12873	1	Si
23	0.215	16.54	0	11159	LU 12	11159	12362	76908	25009	25009	1	Si
45	0.215	7.6	0	10074	LU 12	10074	9541	76908	25009	25009	1	Si
68	0.215	7.6	0	8997	LU 12	8997	9541	76908	25009	25009	1	Si
91	0.215	19.01	0	7920	LU 12	7920	12949	76908	25009	25009	1	Si
102	0.181	19.01	0	7382	LU 12	7382	12949	76908	21056	21056	1	Si
125	0.181	19.01	0	6305	LU 12	6305	12949	76908	21056	21056	1	Si
147	0.181	19.01	0	5229	LU 12	5229	12949	76908	21056	21056	1	Si
170	0.181	19.01	0	4233	LU 18	4233	12949	76908	21056	21056	1	Si
193	0.181	19.01	0	3403	LU 17	3403	12949	76908	21056	21056	1	Si
215	0.181	19.01	0	2614	LU 17	2614	12949	76908	21056	21056	1	Si
238	0.181	19.01	0	1826	LU 17	1826	12949	76908	21056	21056	1	Si
261	0.158	19.01	0	1037	LU 17	1037	12949	76908	18340	18340	1	Si
261	0.158	19.01	0	-380	LU 2	-380	-12949	-76908	-18340	-18340	1	Si
272	0.158	19.01	0	643	LU 17	643	12949	76908	18340	18340	1	Si
272	0.158	19.01	0	-828	LU 2	-828	-12949	-76908	-18340	-18340	1	Si
295	0.158	19.01	0	-1781	LU 11	-1781	-12949	-76908	-18340	-18340	1	Si
318	0.158	19.01	0	-2867	LU 11	-2867	-12949	-76908	-18340	-18340	1	Si
340	0	19.01	0	-3935	LU 11	-3935	-12949	-76908	0	-12949	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-669018	3	-566583	11.9	124.5	324.9	1837	-636905	2	-545438	11.4	93.4	0	+∞	Si
23	-475872	9	-475872	10	124.5	272.9	1837	-461354	2	-461354	9.7	93.4	0	+∞	Si
45	-310061	8	-475872	10.3	124.5	292.9	1837	-302411	1	-461354	10	93.4	0	+∞	Si
68	-168416	8	-352878	8.5	124.5	253.4	1837	-162422	1	-344761	8.3	93.4	0	+∞	Si
91	19132	2	177384	4.8	124.5	160.1	1837								Si
91	-40527	8	-207357	5.7	124.5	213.7	1837	-36189	1	-200897	5.5	93.4	0	+∞	Si
102	84622	2	231264	6.5	124.5	209.4	1837	40625	2	177330	5	93.4	0	+∞	Si
125	202015	2	325438	9.9	124.5	296.8	1837	149763	2	267161	8.1	93.4	0	+∞	Si
147	301294	2	401561	12.2	124.5	366.2	1837	243837	2	341928	10.4	93.4	0	+∞	Si
170	382475	3	459668	14	124.5	419.2	1837	322848	2	401631	12.2	93.4	0	+∞	Si
193	445686	3	499660	15.2	124.5	455.7	1837	386796	2	446271	13.6	93.4	0	+∞	Si
215	490782	3	521537	15.9	124.5	475.7	1837	435681	2	475848	14.5	93.4	0	+∞	Si
238	517763	3	526629	16	124.5	480.3	1837	469502	2	490362	14.9	93.4	0	+∞	Si
261	526629	3	526629	15.4	124.5	480.3	1837	488260	2	491990	14.4	93.4	0	+∞	Si
272	524269	3	526629	15.3	124.5	480.3	1837	491990	2	491990	14.3	93.4	0	+∞	Si
295	508381	9	525599	15	124.5	479.4	1837	488153	2	491990	14	93.4	0	+∞	Si
318	481654	8	512418	14.6	124.5	467.4	1837	469415	1	490235	13.9	93.4	0	+∞	Si
340	458391	8	458391	13	124.5	418.1	1837	444508	1	444508	12.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.001	2	0.001	2	9999	Si
45	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
68	0.005	0.003	0.004	0.002	0.004	0.003	0.003	0.002	0.004	0.003	0.007	2	0.006	2	9999	Si
91	0.007	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
102	0.008	0.006	0.006	0.004	0.007	0.006	0.005	0.004	0.006	0.006	0.013	2	0.011	2	9999	Si
125	0.01	0.007	0.008	0.006	0.009	0.007	0.007	0.006	0.008	0.007	0.016	2	0.015	2	9999	Si
147	0.012	0.009	0.009	0.007	0.01	0.009	0.008	0.007	0.01	0.009	0.019	2	0.018	2	9999	Si
170	0.013	0.01	0.01	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.022	2	0.02	2	9999	Si
193	0.013	0.011	0.011	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.023	2	0.021	2	9999	Si
204	0.014	0.011	0.011	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.023	2	0.022	2	9999	Si
215	0.013	0.011	0.011	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.023	2	0.022	2	9999	Si
238	0.013	0.01	0.01	0.008	0.012	0.01	0.009	0.008	0.011	0.01	0.022	2	0.021	2	9999	Si
261	0.011	0.009	0.009	0.008	0.01	0.009	0.008	0.008	0.01	0.009	0.02	2	0.019	2	9999	Si
272	0.01	0.008	0.008	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.018	2	0.017	2	9999	Si
295	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.013	2	0.013	2	9999	Si
318	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.007	2	9999	Si

Campata 5 tra i fili 62 - 62A, sezione R 45x70, asta 780

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	7.4	19.01	5.4	793478	LU 11	786345	2364068	0.122						Si
17	15.21	7.4	19.01	5.4	776242	LU 12	775455	2364068	0.122						Si
23	15.21	7.4	19.01	5.4	767637	LU 12	767637	2364068	0.122						Si
34	15.21	7.4	19.01	5.4	745046	LU 12	767637	2364068	0.122						Si
51	15.21	7.4	19.01	5.4	699858	LU 12	767637	2364068	0.122						Si
69	15.21	7.4	19.01	5.4	640678	LU 12	732263	2364068	0.122						Si
77	15.21	7.4	19.01	5.4	605842	LU 12	709274	2364068	0.122						Si
94	15.21	7.4	19.01	5.4	525676	LU 12	652800	2364068	0.122						Si
112	15.21	7.4	19.01	5.4	431518	LU 12	582335	2364068	0.122						Si
129	15.21	7.4	19.01	5.4	323368	LU 12	497879	2364068	0.122						Si
146	15.21	7.4	19.01	5.4	204411	LU 18	399431	2364068	0.122	145966	LU 1	-39937	-1811821	0.09	Si
163	15.21	7.4	19.01	5.4	82343	LU 17	286992	2364068	0.122	45930	LU 2	-199963	-1811821	0.09	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
180	15.21	7.4	19.01	5.4	-31544	LU 8	165456	2364068	0.122	-87099	LU 11	-373979	-1811821	0.09	Si
197	15.21	7.4	19.01	5.4	-136017	LU 8	44665	2364068	0.122	-251414	LU 11	-561988	-1811821	0.09	Si
206	15.21	7.4	19.01	5.4						-338819	LU 11	-660412	-1811821	0.09	Si
223	15.21	7.4	19.01	5.4						-524121	LU 11	-660412	-1811821	0.09	Si
235	15.21	7.4	19.01	5.4						-660412	LU 11	-660412	-1811821	0.09	Si
240	15.21	7.4	19.01	5.4						-723415	LU 11	-715715	-1811821	0.09	Si
257	15.21	7.4	19.01	5.4						-936700	LU 11	-792753	-1811821	0.09	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	-1352	LU 15	-1352	-12949	-76908	0	-12949	1	Si
17	0	19.01	0	-1948	LU 15	-1948	-12949	-76908	0	-12949	1	Si
23	0.302	19.01	0	-2134	LU 15	-2134	-12949	-76908	-35013	-35013	1	Si
34	0.302	19.01	0	-2545	LU 15	-2545	-12949	-76908	-35013	-35013	1	Si
51	0.302	19.01	0	-3142	LU 15	-3142	-12949	-76908	-35013	-35013	1	Si
69	0.302	19.01	0	-3867	LU 11	-3867	-12949	-76908	-35013	-35013	1	Si
77	0.302	19.01	0	-4274	LU 11	-4274	-12949	-76908	-35013	-35013	1	Si
94	0.333	19.01	0	-5089	LU 11	-5089	-12949	-76908	-38635	-38635	1	Si
112	0.333	19.01	0	-5904	LU 11	-5904	-12949	-76908	-38635	-38635	1	Si
129	0.333	19.01	0	-6719	LU 11	-6719	-12949	-76908	-38635	-38635	1	Si
146	0.333	19.01	0	-7534	LU 11	-7534	-12949	-76908	-38635	-38635	1	Si
163	0.333	19.01	0	-8349	LU 11	-8349	-12949	-76908	-38635	-38635	1	Si
180	0.345	15.21	0	-9164	LU 11	-9164	-11838	-74527	-38776	-38776	1	Si
197	0.345	15.21	0	-9979	LU 11	-9979	-11838	-74527	-38776	-38776	1	Si
206	0.345	15.21	0	-10387	LU 11	-10387	-11838	-74527	-38776	-38776	1	Si
223	0.345	15.21	0	-11202	LU 11	-11202	-11838	-74527	-38776	-38776	1	Si
235	0.345	15.21	0	-11764	LU 11	-11764	-11838	-74527	-38776	-38776	1	Si
240	0	15.21	0	-12017	LU 11	-12017	-11838	-74527	0	-11838	1	Si
257	0	15.21	0	-12832	LU 11	-12832	-11838	-74527	0	-11838	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	606116	2	599810	17.1	124.5	547.1	1837	586768	2	576716	16.4	93.4	0	+∞	Si
17	591781	3	591140	16.8	124.5	539.2	1837	567502	2	566698	16.1	93.4	0	+∞	Si
23	584916	3	584916	16.6	124.5	533.5	1837	559506	2	559506	15.9	93.4	0	+∞	Si
34	567088	3	584916	16.6	124.5	533.5	1837	539607	2	559506	15.9	93.4	0	+∞	Si
51	532018	3	584916	16.6	124.5	533.5	1837	503081	2	559506	15.9	93.4	0	+∞	Si
69	486568	3	557131	15.9	124.5	508.2	1837	457925	2	529069	15.1	93.4	0	+∞	Si
77	459952	3	539302	15.3	124.5	491.9	1837	432111	2	510562	14.5	93.4	0	+∞	Si
94	398935	3	495860	14.1	124.5	452.3	1837	374010	2	467076	13.3	93.4	0	+∞	Si
112	327540	3	442039	12.6	124.5	403.2	1837	307279	2	414959	11.8	93.4	0	+∞	Si
129	245766	3	377840	10.7	124.5	344.6	1837	231918	2	354212	10.1	93.4	0	+∞	Si
146	155736	9	303263	8.6	124.5	276.6	1837	147926	2	284834	8.1	93.4	0	+∞	Si
163	62582	8	218307	6.2	124.5	199.1	1837	57648	1	206827	5.9	93.4	0	+∞	Si
180	-63206	2	-278607	8.3	124.5	335.6	1837	-45947	2	-237343	7.1	93.4	0	+∞	Si
197	-186627	2	-419603	12.5	124.5	505.5	1837	-155829	2	-361839	10.8	93.4	0	+∞	Si
206	-252229	2	-493373	14.7	124.5	594.4	1837	-214006	2	-426779	12.7	93.4	0	+∞	Si
223	-391217	2	-493373	14.7	124.5	594.4	1837	-336833	2	-426779	12.7	93.4	0	+∞	Si
235	-493373	2	-493373	14.7	124.5	594.4	1837	-426779	2	-426779	12.7	93.4	0	+∞	Si
240	-540584	2	-534816	15.9	124.5	644.3	1837	-468290	2	-463227	13.8	93.4	0	+∞	Si
257	-700329	2	-592547	17.6	124.5	713.9	1837	-608377	2	-513998	15.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
23	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
34	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.007	2	9999	Si
51	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.009	2	0.008	2	9999	Si
69	0.006	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.01	2	9999	Si
77	0.006	0.005	0.004	0.004	0.006	0.005	0.004	0.004	0.005	0.005	0.01	2	0.01	2	9999	Si
86	0.006	0.005	0.005	0.004	0.006	0.005	0.004	0.004	0.006	0.005	0.01	2	0.01	2	9999	Si
94	0.006	0.005	0.005	0.004	0.006	0.005	0.004	0.004	0.006	0.005	0.01	2	0.01	2	9999	Si
112	0.006	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.01	2	9999	Si
129	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.009	2	0.009	2	9999	Si
146	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
163	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
180	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
197	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	1	0.002	1	9999	Si
206	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
223	0.001	0	0	0	0	0	0	0	0	0	0.001	1	0	1	9999	Si
235	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
240	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Campata 6 tra i fili 62A - 62B, sezione R 45x70, asta 781

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	7.4	19.01	5.4						-496170	LU 11	-471742	-1811821	0.09	Si
14	15.21	7.4	19.01	5.4						-470179	LU 11	-466861	-1811821	0.09	Si
23	15.21	7.4	19.01	5.4						-459135	LU 11	-459135	-1811821	0.09	Si
28	15.21	7.4	19.01	5.4						-453494	LU 11	-459135	-1811821	0.09	Si
42	15.21	7.4	19.01	5.4						-446114	LU 11	-460663	-1811821	0.09	Si
56	15.21	7.4	19.01	5.4	-272026	LU 4	18826	2364068	0.122	-448040	LU 11	-481991	-1811821	0.09	Si
63	15.21	7.4	19.01	5.4	-277777	LU 4	41508	2364068	0.122	-452493	LU 11	-496352	-1811821	0.09	Si
77	15.21	7.4	19.01	5.4	-293208	LU 4	76404	2364068	0.122	-468377	LU 11	-532051	-1811821	0.09	Si
91	15.21	7.4	19.01	5.4	-313305	LU 1	97342	2364068	0.122	-493855	LU 12	-577056	-1811821	0.09	Si
105	15.21	7.4	19.01	5.4	-338235	LU 1	104321	2364068	0.122	-528843	LU 12	-631367	-1811821	0.09	Si
119	15.21	7.4	19.01	5.4	-368406	LU 1	97342	2364068	0.122	-573137	LU 12	-694983	-1811821	0.09	Si
133	15.21	7.4	19.01	5.4	-403819	LU 1	76404	2364068	0.122	-626737	LU 12	-767905	-1811821	0.09	Si
147	18.99	7	19.01	5.4	-444473	LU 1	41508	2383827	0.114	-689642	LU 12	-850133	-2260156	0.094	Si
161	20.31	6.9	19.01	5.4						-761853	LU 12	-924211	-2416399	0.096	Si
168	20.97	6.9	19.01	5.4						-801448	LU 12	-924211	-2494596	0.097	Si
182	22.29	6.8	19.01	5.4						-887617	LU 12	-924211	-2650809	0.098	Si
188	22.81	6.7	19.01	5.4						-924211	LU 12	-924211	-2712090	0.099	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
196	22.81	6.7	19.01	5.4						-983092	LU 12	-970738	-2712090	0.099	Si
210	22.81	6.7	19.01	5.4						-1087873	LU 12	-1000131	-2712090	0.099	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	2189	LU 11	2189	11838	74527	0	11838	1	Si
14	0	15.21	0	1524	LU 11	1524	11838	74527	0	11838	1	Si
23	0.335	15.21	0	1121	LU 11	1121	11838	74527	37699	37699	1	Si
28	0.335	15.21	0	859	LU 11	859	11838	74527	37699	37699	1	Si
42	0.335	15.21	0	280	LU 2	280	11838	74527	37699	37699	1	Si
42	0.335	15.21	0	-442	LU 17	-442	-11838	-74527	-37699	-37699	1	Si
56	0.335	15.21	0	-929	LU 17	-929	-11838	-74527	-37699	-37699	1	Si
63	0.335	15.21	0	-1172	LU 17	-1172	-11838	-74527	-37699	-37699	1	Si
77	0.335	15.21	0	-1659	LU 17	-1659	-11838	-74527	-37699	-37699	1	Si
91	0.335	15.21	0	-2187	LU 18	-2187	-11838	-74527	-37699	-37699	1	Si
105	0.335	15.21	0	-2832	LU 12	-2832	-11838	-74527	-37699	-37699	1	Si
119	0.335	15.21	0	-3496	LU 12	-3496	-11838	-74527	-37699	-37699	1	Si
133	0.335	15.21	0	-4161	LU 12	-4161	-11838	-74527	-37699	-37699	1	Si
147	0.335	15.21	0	-4826	LU 12	-4826	-11875	-75002	-37939	-37939	1	Si
161	0.335	15.21	0	-5490	LU 12	-5490	-11884	-75126	-38001	-38001	1	Si
168	0.335	15.21	0	-5823	LU 12	-5823	-11889	-75182	-38030	-38030	1	Si
182	0.335	15.21	0	-6487	LU 12	-6487	-11897	-75284	-38081	-38081	1	Si
188	0.335	15.21	0	-6748	LU 12	-6748	-11899	-75321	-38100	-38100	1	Si
196	0	15.21	0	-7152	LU 12	-7152	-11899	-75321	0	-11899	1	Si
210	0	18.99	0	-7817	LU 12	-7817	-12814	-75321	0	-12814	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-367984	2	-350452	10.4	124.5	422.2	1837	-305713	2	-293915	8.7	93.4	0	+∞	Si
14	-349438	2	-347060	10.3	124.5	418.1	1837	-293751	2	-292170	8.7	93.4	0	+∞	Si
23	-341690	2	-341690	10.2	124.5	411.6	1837	-289409	2	-290186	8.6	93.4	0	+∞	Si
28	-337794	2	-341690	10.2	124.5	411.6	1837	-287528	2	-293034	8.7	93.4	0	+∞	Si
42	-333053	2	-345368	10.3	124.5	416.1	1837	-287046	2	-304471	9.1	93.4	0	+∞	Si
56	-335215	2	-361916	10.8	124.5	436	1837	-292304	2	-321646	9.6	93.4	0	+∞	Si
63	-338885	2	-372916	11.1	124.5	449.3	1837	-297085	2	-332387	9.9	93.4	0	+∞	Si
77	-351400	2	-400093	11.9	124.5	482	1837	-310952	2	-358173	10.7	93.4	0	+∞	Si
91	-371011	3	-434172	12.9	124.5	523.1	1837	-330559	2	-389698	11.6	93.4	0	+∞	Si
105	-397660	3	-475155	14.1	124.5	571.8	1837	-355906	2	-426964	12.7	93.4	0	+∞	Si
119	-431212	3	-523040	15.6	124.5	630.1	1837	-386993	2	-469969	14	93.4	0	+∞	Si
133	-471667	3	-577827	17.2	124.5	696.1	1837	-423820	2	-518714	15.4	93.4	0	+∞	Si
147	-519024	3	-639517	17.5	124.5	612.8	1837	-466387	2	-573199	15.7	93.4	0	+∞	Si
161	-573284	3	-695035	18.6	124.5	622	1837	-514693	2	-621966	16.6	93.4	0	+∞	Si
168	-603003	3	-695035	18.4	124.5	602.2	1837	-540999	2	-621966	16.4	93.4	0	+∞	Si
182	-667617	3	-695035	18	124.5	566.1	1837	-597915	2	-621966	16.1	93.4	0	+∞	Si
188	-695035	3	-695035	17.8	124.5	553.1	1837	-621966	2	-621966	16	93.4	0	+∞	Si
196	-739133	3	-729889	18.7	124.5	580.9	1837	-660571	2	-652519	16.7	93.4	0	+∞	Si
210	-817552	3	-751909	19.3	124.5	598.4	1837	-728967	2	-671821	17.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
14	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
23	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
28	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
42	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
56	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
63	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
77	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.01	1	-0.01	1	9999	Si
91	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.01	1	-0.011	1	9999	Si
105	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
112	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
119	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
133	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
147	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.01	1	-0.01	1	9999	Si
161	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
168	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
182	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
188	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
196	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si

Campata 7 tra i fili 62B - 63, sezione R 45x70, asta 782

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	19.01	5.4						-1404969	LU 12	-1250337	-2712090	0.099	Si
20	22.81	6.7	19.01	5.4						-1136661	LU 12	-1135423	-2712090	0.099	Si
23	22.81	6.7	19.01	5.4						-1107293	LU 12	-1107293	-2712090	0.099	Si
40	21.13	6.8	19.01	5.4						-887662	LU 12	-1107293	-2513168	0.097	Si
50	20.18	6.9	19.01	5.4						-770403	LU 12	-1107293	-2400574	0.096	Si
60	19.23	7	19.01	5.4						-657971	LU 12	-995461	-2288042	0.095	Si
71	18.28	7.1	19.01	5.4	-364662	LU 1	3976	2381244	0.115	-550367	LU 12	-873940	-2175467	0.094	Si
91	15.21	7.4	19.01	5.4	-242262	LU 1	103521	2364068	0.122	-349640	LU 12	-645379	-1811821	0.09	Si
111	15.21	7.4	19.01	5.4	-126573	LU 2	174103	2364068	0.122	-176698	LU 17	-436127	-1811821	0.09	Si
131	15.21	7.4	19.01	5.4	4752	LU 2	215722	2364068	0.122	-44132	LU 17	-247669	-1811821	0.09	Si
151	15.21	7.4	19.01	5.4	137936	LU 11	308703	2364068	0.122	56390	LU 8	-101098	-1811821	0.09	Si
171	15.21	7.4	19.01	5.4	260837	LU 11	403962	2364068	0.122						Si
192	15.21	7.4	30.36	6.1	364430	LU 11	480311	3590585	0.156						Si
212	15.21	7.4	34.21	6.3	449234	LU 12	537350	4003310	0.17						Si
222	15.21	7.4	34.21	6.3	484429	LU 12	558629	4003310	0.17						Si
242	15.21	7.4	34.21	6.3	540339	LU 12	586705	4003310	0.17						Si
262	15.21	7.4	34.21	6.3	576940	LU 12	589699	4003310	0.17						Si
275	15.21	7.4	34.21	6.3	589699	LU 12	589699	4003310	0.17						Si
282	15.21	7.4	34.21	6.3	594232	LU 12	594232	4003310	0.17						Si
302	15.21	7.4	34.21	6.3	592335	LU 12	592335	4003310	0.17						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.23	0	13783	LU 12	13783	12867	75321	0	12867	1	Si
20	0	15.21	0	12826	LU 12	12826	11899	75321	0	11899	1	Si
23	0.33	15.21	0	12715	LU 12	12715	11899	75321	37556	37556	1	Si
40	0.33	15.21	0	11868	LU 12	11868	11890	75195	37493	37493	1	Si
60	0.33	15.21	0	10911	LU 12	10911	11877	75025	37408	37408	1	Si
71	0.33	15.21	0	10432	LU 12	10432	11869	74927	37360	37360	1	Si
91	0.33	15.21	0	9475	LU 12	9475	11838	74527	37160	37160	1	Si
111	0.295	15.21	0	8517	LU 12	8517	11838	74527	33175	33175	1	Si
131	0.295	15.21	0	7560	LU 12	7560	11838	74527	33175	33175	1	Si
151	0.295	19.01	0	6602	LU 12	6602	12949	76908	34235	34235	1	Si
171	0.295	19.01	0	5645	LU 12	5645	12949	76908	34235	34235	1	Si
192	0.295	19.01	0	4687	LU 12	4687	12876	76018	33838	33838	1	Si
212	0.259	19.01	0	3730	LU 12	3730	12862	75850	29598	29598	1	Si
222	0.259	19.01	0	3251	LU 12	3251	12862	75850	29598	29598	1	Si
242	0.259	27.65	0	2367	LU 17	2367	14573	75850	29598	29598	1	Si
262	0.259	33.08	0	1666	LU 17	1666	15471	75850	29598	29598	1	Si
275	0.259	34.21	0	1220	LU 17	1220	15646	75850	29598	29598	1	Si
282	0	34.21	0	965	LU 17	965	15646	75850	0	15646	1	Si
302	0	34.21	0	325	LU 17	325	15646	75850	0	15646	1	Si
302	0	34.21	0	-570	LU 2	-570	-15646	-75850	0	-15646	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1053807	3	-938411	24.1	124.5	746.8	1837	-930104	2	-830936	21.3	93.4	0	+∞	Si
20	-853540	3	-852614	21.9	124.5	678.5	1837	-757816	2	-757011	19.4	93.4	0	+∞	Si
23	-831611	3	-831611	21.3	124.5	661.8	1837	-738915	2	-738915	19	93.4	0	+∞	Si
40	-667595	3	-831611	21.9	124.5	715	1837	-597438	2	-738915	19.5	93.4	0	+∞	Si
60	-495973	3	-748106	20.4	124.5	707.9	1837	-448970	2	-666928	18.2	93.4	0	+∞	Si
71	-415533	3	-657343	18.2	124.5	655.1	1837	-379202	2	-588576	16.3	93.4	0	+∞	Si
91	-265395	3	-486559	14.5	124.5	586.2	1837	-248599	2	-440805	13.1	93.4	0	+∞	Si
111	-135230	8	-330098	9.8	124.5	397.7	1837	-130739	1	-304944	9.1	93.4	0	+∞	Si
131	-33434	8	-188949	5.6	124.5	227.6	1837	-30091	1	-180993	5.4	93.4	0	+∞	Si
151	99914	2	228443	6.5	124.5	208.4	1837	71751	2	187397	5.3	93.4	0	+∞	Si
171	192368	2	300378	8.5	124.5	274	1837	154714	2	253192	7.2	93.4	0	+∞	Si
192	270499	2	358256	8.9	124.5	215.1	1837	225766	2	307077	7.7	93.4	0	+∞	Si
212	334654	3	401811	9.7	124.5	216.8	1837	284909	2	349051	8.4	93.4	0	+∞	Si
222	361384	3	418218	10.1	124.5	225.6	1837	310014	2	365572	8.8	93.4	0	+∞	Si
242	404101	3	440289	10.6	124.5	237.5	1837	351292	2	389682	9.4	93.4	0	+∞	Si
262	432495	3	442752	10.7	124.5	238.9	1837	380660	2	392852	9.5	93.4	0	+∞	Si
275	442752	3	442752	10.7	124.5	238.9	1837	392852	2	392852	9.5	93.4	0	+∞	Si
282	446567	3	446567	10.8	124.5	240.9	1837	398118	2	397842	9.6	93.4	0	+∞	Si
302	446404	3	446404	10.8	124.5	240.8	1837	403734	2	403648	9.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
23	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
40	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
60	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
71	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
91	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.004	2	-0.004	2	9999	Si
111	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
131	0.001	0	0	-0.001	0.001	0	0	-0.001	0	0	-0.001	2	-0.002	2	9999	Si
151	0.002	0.001	0.001	0	0.002	0.001	0	0	0.001	0.001	0.001	2	0	2	9999	Si
171	0.003	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.002	2	0.002	2	9999	Si
192	0.004	0.002	0.002	0.001	0.003	0.002	0.002	0.001	0.003	0.002	0.004	2	0.003	2	9999	Si
212	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.004	2	0.004	2	9999	Si
222	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.004	2	9999	Si
242	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.004	2	9999	Si
262	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.004	2	0.003	2	9999	Si
275	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
282	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Trave a "Piano 1" 60B-36A

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 60B - 49B, sezione R 45x70, asta 797

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4						-520149	LU 12	-471449	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4						-424573	LU 12	-424573	-1872764	0.089	Si
58	15.21	5.4	15.21	5.4						-281068	LU 12	-395872	-1872764	0.089	Si
117	11.83	5.4	15.21	5.4	-47076	LU 1	26483	1872951	0.089	-76823	LU 12	-174267	-1543272	0.085	Si
175	7.6	5.4	14.85	5.4	106039	LU 10	176361	1831220	0.091						Si
204	7.6	5.4	11.4	5.4	176594	LU 10	238236	1422093	0.084						Si
262	7.6	5.4	11.4	5.4	291579	LU 10	335860	1422093	0.084						Si
321	7.6	5.4	11.4	5.4	371727	LU 10	398648	1422093	0.084						Si
379	7.6	5.4	11.4	5.4	417039	LU 10	438883	1422093	0.084						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
437	7.6	5.4	11.4	5.4	427515	LU 10	465010	1422093	0.084						Si
496	7.6	5.4	11.4	5.4	403156	LU 10	438883	1422093	0.084						Si
554	7.6	5.4	11.4	5.4	344620	LU 11	377800	1422093	0.084						Si
612	7.6	5.4	11.4	5.4	252758	LU 12	302877	1422093	0.084						Si
642	7.6	5.4	11.4	5.4	193765	LU 12	252563	1422093	0.084						Si
700	11.83	5.4	11.4	5.4	49650	LU 12	125809	1422094	0.084	33511	LU 1	-42356	-1543376	0.085	Si
758	15.21	5.4	11.4	5.4						-137557	LU 10	-240838	-1873055	0.09	Si
817	19.43	5.4	11.4	5.4						-353515	LU 10	-474156	-2373658	0.098	Si
852	22.81	5.4	11.4	5.4						-504214	LU 10	-504214	-2773209	0.105	Si
875	22.81	5.4	11.4	5.4						-604308	LU 10	-553349	-2773209	0.105	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	4397	LU 12	4397	12021	76908	0	12021	1	Si
23	0.068	15.18	0	4167	LU 12	4167	12013	76908	7874	12013	1	Si
58	0.068	11.83	0	3800	LU 12	3800	11239	76908	7874	11239	1	Si
87	0.068	7.6	0	3501	LU 12	3501	9541	76908	7874	9541	1	Si
117	0.068	7.6	0	3203	LU 12	3203	9541	76908	7874	9541	1	Si
175	0.068	11.4	0	2606	LU 12	2606	10922	76908	7874	10922	1	Si
204	0.068	11.4	0	2307	LU 12	2307	10922	76908	7874	10922	1	Si
262	0.068	11.4	0	1710	LU 12	1710	10922	76908	7874	10922	1	Si
321	0.068	11.4	0	1113	LU 12	1113	10922	76908	7874	10922	1	Si
379	0.068	11.4	0	515	LU 12	515	10922	76908	7874	10922	1	Si
437	0.068	11.4	0	-119	LU 10	-119	-10922	-76908	-7874	-10922	1	Si
496	0.068	11.4	0	-716	LU 10	-716	-10922	-76908	-7874	-10922	1	Si
554	0.068	11.4	0	-1313	LU 10	-1313	-10922	-76908	-7874	-10922	1	Si
612	0.068	11.4	0	-1911	LU 10	-1911	-10922	-76908	-7874	-10922	1	Si
642	0.068	11.4	0	-2209	LU 10	-2209	-10922	-76908	-7874	-10922	1	Si
700	0.068	11.4	0	-2806	LU 10	-2806	-10922	-76908	-7874	-10922	1	Si
758	0.068	11.83	0	-3404	LU 10	-3404	-11239	-76908	-7874	-11239	1	Si
817	0.068	15.21	0	-4001	LU 10	-4001	-12021	-76908	-7874	-12021	1	Si
852	0.068	15.21	0	-4368	LU 10	-4368	-12021	-76908	-7874	-12021	1	Si
875	0	19.43	0	-4598	LU 10	-4598	-13045	-76908	0	-13045	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-398067	3	-360648	10.7	124.5	404.2	1837	-388610	2	-351390	10.4	93.4	0	+∞	Si
23	-324632	3	-324632	9.6	124.5	363.8	1837	-315572	2	-315572	9.4	93.4	0	+∞	Si
58	-214381	3	-302581	9	124.5	339.1	1837	-205952	2	-293640	8.7	93.4	0	+∞	Si
117	-57492	3	-132338	4.2	124.5	180.3	1837	-50091	2	-124425	4	93.4	0	+∞	Si
175	81568	1	135662	4.5	124.5	156.7	1837	81568	1	135662	4.5	93.4	0	+∞	Si
204	135842	1	183258	6.7	124.5	272.9	1837	135842	1	183258	6.7	93.4	0	+∞	Si
262	224291	1	258354	9.4	124.5	384.7	1837	224291	1	258354	9.4	93.4	0	+∞	Si
321	285944	1	306652	11.1	124.5	456.6	1837	285944	1	306652	11.1	93.4	0	+∞	Si
379	320799	1	328154	11.9	124.5	488.6	1837	320799	1	328154	11.9	93.4	0	+∞	Si
437	328858	1	328858	11.9	124.5	489.6	1837	328858	1	328858	11.9	93.4	0	+∞	Si
496	310120	1	322796	11.7	124.5	480.6	1837	310120	1	322796	11.7	93.4	0	+∞	Si
554	265025	2	290615	10.6	124.5	432.7	1837	264717	2	290615	10.6	93.4	0	+∞	Si
612	194139	3	232803	8.5	124.5	346.6	1837	192804	2	231980	8.4	93.4	0	+∞	Si
642	148648	3	193989	7	124.5	288.8	1837	146799	2	192652	7	93.4	0	+∞	Si
700	37568	3	96263	3.3	124.5	142.8	1837	34692	2	93898	3.2	93.4	0	+∞	Si
758	-105813	1	-185260	5.8	124.5	208.3	1837	-105813	1	-185260	5.8	93.4	0	+∞	Si
817	-271934	1	-364735	10.5	124.5	324.1	1837	-271934	1	-364735	10.5	93.4	0	+∞	Si
852	-387857	1	-387857	10.6	124.5	295.7	1837	-387857	1	-387857	10.6	93.4	0	+∞	Si
875	-464852	1	-425653	11.6	124.5	324.5	1837	-464852	1	-425653	11.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.007	1	0.006	1	9999	Si
58	0.008	0.008	0.007	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.019	1	0.018	1	9999	Si
117	0.018	0.018	0.016	0.015	0.018	0.018	0.016	0.016	0.018	0.018	0.041	1	0.041	1	9999	Si
175	0.029	0.028	0.025	0.024	0.029	0.028	0.025	0.025	0.029	0.028	0.065	1	0.064	1	9999	Si
204	0.034	0.033	0.029	0.029	0.034	0.033	0.029	0.029	0.034	0.033	0.076	1	0.076	1	9999	Si
262	0.042	0.041	0.037	0.037	0.042	0.042	0.037	0.037	0.042	0.042	0.096	1	0.096	1	9084	Si
321	0.049	0.048	0.043	0.043	0.049	0.049	0.043	0.043	0.049	0.049	0.112	1	0.111	1	7831	Si
379	0.053	0.052	0.047	0.046	0.053	0.053	0.047	0.047	0.053	0.053	0.121	1	0.121	1	7228	Si
437	0.054	0.054	0.048	0.047	0.054	0.054	0.048	0.048	0.054	0.054	0.124	1	0.123	1	7083	Si
496	0.052	0.052	0.046	0.046	0.052	0.052	0.046	0.046	0.052	0.052	0.119	1	0.119	1	7353	Si
554	0.047	0.047	0.042	0.041	0.047	0.047	0.042	0.042	0.047	0.047	0.108	1	0.108	1	8113	Si
612	0.04	0.04	0.035	0.035	0.04	0.04	0.035	0.035	0.04	0.04	0.091	1	0.091	1	9608	Si
642	0.036	0.035	0.031	0.031	0.036	0.036	0.031	0.031	0.036	0.036	0.081	1	0.081	1	9999	Si
700	0.026	0.026	0.023	0.023	0.026	0.026	0.023	0.023	0.026	0.026	0.059	1	0.059	1	9999	Si
758	0.016	0.016	0.014	0.014	0.016	0.016	0.014	0.014	0.016	0.016	0.036	2	0.036	2	9999	Si
817	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.015	2	9999	Si
852	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si

Campata 2 tra i fili 49B - 36A, sezione R 45x70, asta 798

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	11.4	5.4						-643076	LU 12	-594815	-2773209	0.105	Si
23	22.81	5.4	11.4	5.4						-549181	LU 18	-549181	-2773209	0.105	Si
45	20.6	5.4	11.4	5.4						-459290	LU 18	-549181	-2512633	0.1	Si
68	16.33	5.4	11.4	5.4						-375344	LU 18	-484119	-2006469	0.092	Si
91	10.88	5.4	11.4	5.4	-226719	LU 1	16176	1422094	0.084	-296657	LU 18	-398687	-1359943	0.083	Si
102	7.6	5.4	11.4	5.4	-198673	LU 1	28997	1422093	0.084	-259286	LU 18	-357943	-970824	0.078	Si
125	7.6	5.4	11.4	5.4	-143944	LU 2	48721	1422093	0.084	-189658	LU 17	-280401	-970824	0.078	Si
147	7.6	5.4	11.4	5.4	-93039	LU 3	60555	1422093	0.084	-125581	LU 10	-208917	-970824	0.078	Si
170	7.6	5.4	15.85	5.4	-46091	LU 3	64500	1949737	0.094	-67124	LU 10	-143227	-971302	0.079	Si
193	7.6	5.4	11.4	5.4	-3189	LU 3	60555	1422093	0.084	-13927	LU 10	-83267	-970824	0.078	Si
215	13.92	5.4	11.4	5.4	43516	LU 12	99677	1422107	0.084	26162	LU 1	-28584	-1720441	0.088	Si
238	17.12	5.4	11.4	5.4	88175	LU 12	137590	1422107	0.084						Si
261	19.01	5.4	11.4	5.4	127574	LU 12	170243	1422107	0.084						Si
272	19.01	5.4	11.4	5.4	145301	LU 12	184598	1422107	0.084						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
295	19.01	5.4	11.4	5.4	176811	LU 12	203224	1422107	0.084						Si
317	19.01	5.4	11.4	5.4	203224	LU 12	203224	1422107	0.084						Si
340	19.01	5.4	11.4	5.4	224050	LU 12	214928	1422107	0.084						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.33	0	4291	LU 12	4291	12310	76908	0	12310	1	Si
11	0	11.95	0	4175	LU 12	4175	11093	76908	0	11093	1	Si
23	0.144	10.88	0	4060	LU 12	4060	10752	76908	16673	16673	1	Si
45	0.144	7.6	0	3827	LU 12	3827	9541	76908	16673	16673	1	Si
68	0.144	7.6	0	3595	LU 12	3595	9541	76908	16673	16673	1	Si
91	0.144	7.6	0	3363	LU 12	3363	9541	76908	16673	16673	1	Si
102	0.136	7.6	0	3247	LU 12	3247	9541	76908	15812	15812	1	Si
125	0.136	7.6	0	3014	LU 12	3014	9541	76908	15812	15812	1	Si
147	0.136	11.95	0	2782	LU 12	2782	11093	76908	15812	15812	1	Si
170	0.136	7.6	0	2550	LU 12	2550	9541	76908	15812	15812	1	Si
193	0.136	7.6	0	2318	LU 12	2318	9541	76908	15812	15812	1	Si
215	0.136	11.4	0	2086	LU 12	2086	10922	76908	15812	15812	1	Si
238	0.136	11.4	0	1854	LU 12	1854	10922	76908	15812	15812	1	Si
261	0.129	11.4	0	1622	LU 12	1622	10922	76908	15005	15005	1	Si
272	0.129	11.4	0	1506	LU 12	1506	10922	76908	15005	15005	1	Si
295	0.129	11.4	0	1274	LU 12	1274	10922	76908	15005	15005	1	Si
317	0.129	11.4	0	1040	LU 12	1040	10922	76908	15005	15005	1	Si
340	0	11.4	0	810	LU 12	810	10922	76908	0	10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-493718	3	-456695	12.5	124.5	348.2	1837	-489228	2	-452675	12.3	93.4	0	+∞	Si
23	-421689	9	-421689	11.5	124.5	321.5	1837	-418108	2	-418108	11.4	93.4	0	+∞	Si
45	-352730	9	-421689	11.9	124.5	354.3	1837	-349995	2	-418108	11.8	93.4	0	+∞	Si
68	-288342	9	-371776	11.3	124.5	390.3	1837	-286448	2	-368805	11.2	93.4	0	+∞	Si
91	-228001	9	-306246	10.7	124.5	475.7	1837	-226946	2	-304114	10.7	93.4	0	+∞	Si
102	-199347	9	-274998	6.2	124.5	95.4	1837	-198712	2	-273286	11	93.4	0	+∞	Si
125	-145854	8	-215536	4.8	124.5	74.7	1837	-145614	1	-214664	8.6	93.4	0	+∞	Si
147	-96601	1	-160654	3.6	124.5	55.7	1837	-96601	1	-160317	6.4	93.4	0	+∞	Si
170	-51634	1	-110173	1.8	124.5	37.4	1837	-51634	1	-110161	4.2	93.4	0	+∞	Si
193	-10713	1	-64051	1.4	124.5	22.2	1837	-10713	1	-64051	2.6	93.4	0	+∞	Si
215	32499	3	75439	2.5	124.5	111.8	1837	27991	2	69716	2.3	93.4	0	+∞	Si
238	66649	3	104400	3.3	124.5	154.4	1837	61193	2	97729	3.1	93.4	0	+∞	Si
261	96753	3	129314	4.1	124.5	191.1	1837	90350	2	121697	3.8	93.4	0	+∞	Si
272	110287	3	140255	4.4	124.5	207.3	1837	103411	2	132164	4.1	93.4	0	+∞	Si
295	134322	3	154436	4.8	124.5	228.2	1837	126499	2	145658	4.6	93.4	0	+∞	Si
317	154436	3	154436	4.8	124.5	228.2	1837	145658	2	145658	4.6	93.4	0	+∞	Si
340	170254	3	163338	5.1	124.5	241.4	1837	160536	2	154090	4.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
45	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
68	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	2	-0.008	2	9999	Si
91	-0.003	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
102	-0.003	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
125	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	2	-0.008	2	9999	Si
147	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
170	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	2	-0.006	2	9999	Si
193	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
215	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.004	2	-0.004	2	9999	Si
238	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
261	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
272	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
295	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
317	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Trave a "Piano 1" 64-66

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 64 - 65, sezione R 45x70, asta 789

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4						-1168088	LU 12	-1066610	-1422094	0.084	Si
23	11.4	5.4	11.4	5.4						-976799	LU 12	-976799	-1422094	0.084	Si
45	11.4	5.4	11.4	5.4						-806532	LU 12	-976799	-1422094	0.084	Si
68	11.4	5.4	11.4	5.4						-661406	LU 12	-852566	-1422094	0.084	Si
91	11.4	5.4	11.4	5.4	-358303	LU 1	73095	1422094	0.084	-540047	LU 12	-700725	-1422094	0.084	Si
102	11.4	5.4	11.4	5.4	-320756	LU 1	131029	1422094	0.084	-488281	LU 12	-633718	-1422094	0.084	Si
125	11.4	5.4	11.4	5.4	-255720	LU 1	220158	1422094	0.084	-402574	LU 12	-517529	-1422094	0.084	Si
147	11.4	5.4	11.4	5.4	-204099	LU 1	273635	1422094	0.084	-340635	LU 12	-425108	-1422094	0.084	Si
170	11.4	5.4	11.4	5.4	-165861	LU 6	291461	1422094	0.084	-302463	LU 12	-356454	-1422094	0.084	Si
193	11.4	5.4	11.4	5.4	-137097	LU 8	273635	1422094	0.084	-288304	LU 11	-311568	-1422094	0.084	Si
215	11.4	5.4	11.4	5.4	-121201	LU 8	220158	1422094	0.084	-298459	LU 11	-347000	-1422094	0.084	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
238	11.4	5.4	11.4	5.4	-118718	LU 8	131029	1422094	0.084	-332381	LU 11	-411405	-1422094	0.084	Si
261	11.4	5.4	11.4	5.4	-129649	LU 8	6248	1422094	0.084	-390071	LU 11	-499577	-1422094	0.084	Si
272	14.72	5.4	11.4	5.4						-427829	LU 11	-552576	-1815211	0.089	Si
295	16.85	5.4	11.4	5.4						-521171	LU 11	-639273	-2068558	0.093	Si
317	19.01	5.4	11.4	5.4						-639273	LU 11	-639273	-2323557	0.097	Si
340	19.01	5.4	11.4	5.4						-779158	LU 11	-703382	-2323557	0.097	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	9023	LU 12	9023	10922	76908	0	10922	1	Si
23	0.259	11.4	0	7983	LU 12	7983	10922	76908	30011	30011	1	Si
45	0.259	11.4	0	6927	LU 12	6927	10922	76908	30011	30011	1	Si
68	0.259	11.4	0	5878	LU 12	5878	10922	76908	30011	30011	1	Si
91	0.259	11.4	0	4905	LU 18	4905	10922	76908	30011	30011	1	Si
102	0.233	11.4	0	4423	LU 18	4423	10922	76908	27107	27107	1	Si
125	0.233	11.4	0	3544	LU 17	3544	10922	76908	27107	27107	1	Si
147	0.233	11.4	0	2775	LU 17	2775	10922	76908	27107	27107	1	Si
170	0.233	11.4	0	2006	LU 17	2006	10922	76908	27107	27107	1	Si
193	0.233	11.4	0	1237	LU 17	1237	10922	76908	27107	27107	1	Si
193	0.233	11.4	0	-163	LU 2	-163	-10922	-76908	-27107	-27107	1	Si
215	0.233	11.4	0	467	LU 17	467	10922	76908	27107	27107	1	Si
215	0.233	11.4	0	-1034	LU 2	-1034	-10922	-76908	-27107	-27107	1	Si
238	0.233	11.4	0	-2021	LU 11	-2021	-10922	-76908	-27107	-27107	1	Si
261	0.244	11.4	0	-3069	LU 11	-3069	-10922	-76908	-28344	-28344	1	Si
272	0.244	11.4	0	-3594	LU 11	-3594	-10922	-76908	-28344	-28344	1	Si
295	0.244	11.4	0	-4642	LU 11	-4642	-10922	-76908	-28344	-28344	1	Si
317	0.244	11.4	0	-5699	LU 11	-5699	-10922	-76908	-28344	-28344	1	Si
340	0	14.72	0	-6739	LU 11	-6739	-11891	-76908	0	-11891	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-882646	3	-806255	27.8	124.5	1196.8	1837	-809083	2	-740365	25.5	93.4	0	+∞	Si
23	-738520	3	-738520	25.5	124.5	1096.2	1837	-678853	2	-678853	23.4	93.4	0	+∞	Si
45	-609958	3	-738520	25.5	124.5	1096.2	1837	-561428	2	-678853	23.4	93.4	0	+∞	Si
68	-500065	3	-644739	22.2	124.5	957	1837	-459620	2	-593299	20.4	93.4	0	+∞	Si
91	-407805	3	-529865	18.3	124.5	786.5	1837	-372491	2	-487344	16.8	93.4	0	+∞	Si
102	-368288	3	-479040	16.5	124.5	711.1	1837	-334432	2	-439871	15.2	93.4	0	+∞	Si
125	-302479	3	-390615	13.5	124.5	579.8	1837	-269323	2	-355936	12.3	93.4	0	+∞	Si
147	-254303	3	-319824	11	124.5	474.7	1837	-218893	2	-286679	9.9	93.4	0	+∞	Si
170	-223761	3	-266667	9.2	124.5	395.8	1837	-183142	2	-232102	8	93.4	0	+∞	Si
193	-211016	2	-231144	8	124.5	343.1	1837	-162071	2	-192205	6.6	93.4	0	+∞	Si
215	-216268	2	-249355	8.6	124.5	370.1	1837	-155680	2	-169420	5.8	93.4	0	+∞	Si
238	-239154	2	-294856	10.2	124.5	437.7	1837	-163968	2	-196534	6.8	93.4	0	+∞	Si
261	-279673	2	-357991	12.3	124.5	531.4	1837	-186936	2	-238329	8.2	93.4	0	+∞	Si
272	-306545	2	-396170	12.5	124.5	459.7	1837	-203925	2	-264730	8.3	93.4	0	+∞	Si
295	-373515	2	-458838	13.8	124.5	467.3	1837	-248911	2	-309097	9.3	93.4	0	+∞	Si
317	-458838	2	-458838	13.3	124.5	416.4	1837	-309097	2	-309097	8.9	93.4	0	+∞	Si
340	-560356	2	-505269	14.6	124.5	458.6	1837	-382924	2	-342408	9.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.008	1	9999	Si
45	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.013	1	-0.014	1	9999	Si
68	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.017	1	-0.018	1	9999	Si
91	-0.008	-0.01	-0.008	-0.01	-0.008	-0.009	-0.008	-0.009	-0.008	-0.008	-0.019	1	-0.02	1	9999	Si
102	-0.008	-0.01	-0.008	-0.01	-0.008	-0.009	-0.008	-0.009	-0.008	-0.009	-0.02	1	-0.021	1	9999	Si
125	-0.008	-0.011	-0.008	-0.011	-0.008	-0.009	-0.008	-0.009	-0.008	-0.009	-0.021	1	-0.022	1	9999	Si
136	-0.008	-0.011	-0.008	-0.011	-0.008	-0.009	-0.008	-0.01	-0.008	-0.009	-0.021	1	-0.023	1	9999	Si
147	-0.008	-0.011	-0.008	-0.011	-0.008	-0.009	-0.008	-0.01	-0.008	-0.009	-0.021	1	-0.023	1	9999	Si
170	-0.008	-0.011	-0.008	-0.011	-0.008	-0.009	-0.008	-0.009	-0.008	-0.009	-0.02	1	-0.022	1	9999	Si
193	-0.007	-0.01	-0.008	-0.01	-0.007	-0.009	-0.008	-0.009	-0.007	-0.008	-0.019	1	-0.021	1	9999	Si
215	-0.007	-0.01	-0.007	-0.01	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.017	1	-0.019	1	9999	Si
238	-0.006	-0.009	-0.006	-0.009	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.015	1	-0.017	1	9999	Si
261	-0.005	-0.007	-0.005	-0.008	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.013	1	-0.014	1	9999	Si
272	-0.004	-0.007	-0.004	-0.007	-0.004	-0.006	-0.005	-0.006	-0.004	-0.005	-0.011	1	-0.013	1	9999	Si
295	-0.003	-0.005	-0.003	-0.005	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.008	1	-0.009	1	9999	Si
317	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si

Campata 2 tra i fili 65 - 66, sezione R 45x70, asta 790

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-2162809	LU 11	-1946097	-2323557	0.097	Si
23	19.01	5.4	11.4	5.4						-1739448	LU 11	-1739448	-2323557	0.097	Si
51	14.93	5.4	11.4	5.4						-1227394	LU 11	-1739448	-1840356	0.089	Si
103	7.6	5.4	11.4	5.4	-189279	LU 8	43622	1422093	0.084	-413881	LU 11	-861355	-970824	0.078	Si
154	7.6	5.4	11.4	5.4	278644	LU 12	614275	1422093	0.084	187072	LU 1	-100711	-970824	0.078	Si
205	7.6	5.4	11.4	5.4	847979	LU 12	1114576	1422093	0.084						Si
231	7.6	5.4	11.4	5.4	1086933	LU 12	1319014	1422093	0.084						Si
282	7.6	5.4	11.4	5.4	1473434	LU 11	1636694	1422093	0.084						No
334	7.6	5.4	11.4	5.4	1738387	LU 11	1832614	1422093	0.084						No
385	7.6	5.4	11.4	5.4	1881438	LU 11	1907250	1422093	0.084						No
436	7.6	5.4	11.4	5.4	1902586	LU 11	1907250	1422093	0.084						No
488	7.6	5.4	11.4	5.4	1801832	LU 11	1872106	1422093	0.084						No
539	7.6	5.4	11.4	5.4	1579176	LU 11	1718483	1422093	0.084						No
590	7.6	5.4	11.4	5.4	1234618	LU 11	1442958	1422093	0.084						No
616	7.6	5.4	11.4	5.4	1016625	LU 11	1259482	1422093	0.084						Si
667	21.43	5.4	11.4	5.4	489213	LU 11	801103	1422107	0.084						Si
719	22.81	5.4	11.4	5.4	-108833	LU 1	220822	1422107	0.084	-171117	LU 18	-507386	-2773209	0.105	Si
742	22.81	5.4	11.4	5.4						-507386	LU 12	-507386	-2773209	0.105	Si
770	22.81	5.4	11.4	5.4						-934702	LU 12	-712896	-2773209	0.105	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	19410	LU 11	19410	9541	76908	0	9541	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
23	0.201	7.6	0	18369	LU 11	18369	9541	76908	23342	23342	1	Si
51	0.201	7.6	0	17035	LU 11	17035	9541	76908	23342	23342	1	Si
103	0.156	7.6	0	14660	LU 11	14660	9541	76908	18110	18110	1	Si
154	0.156	11.4	0	12286	LU 11	12286	10922	76908	18110	18110	1	Si
205	0.156	11.4	0	9911	LU 11	9911	10922	76908	18110	18110	1	Si
231	0.156	11.4	0	8723	LU 11	8723	10922	76908	18110	18110	1	Si
282	0.156	11.4	0	6349	LU 11	6349	10922	76908	18110	18110	1	Si
334	0.156	11.4	0	3974	LU 11	3974	10922	76908	18110	18110	1	Si
385	0.156	11.4	0	1599	LU 11	1599	10922	76908	18110	18110	1	Si
436	0.156	11.4	0	-790	LU 18	-790	-10922	-76908	-18110	-18110	1	Si
488	0.156	11.4	0	-3157	LU 12	-3157	-10922	-76908	-18110	-18110	1	Si
539	0.156	11.4	0	-5532	LU 12	-5532	-10922	-76908	-18110	-18110	1	Si
590	0.156	11.4	0	-7907	LU 12	-7907	-10922	-76908	-18110	-18110	1	Si
616	0.156	10	0	-9094	LU 12	-9094	-10453	-76908	-18110	-18110	1	Si
667	0.156	11.4	0	-11469	LU 12	-11469	-10922	-76908	-18110	-18110	1	Si
719	0.158	16.59	0	-13844	LU 12	-13844	-12375	-76908	-18340	-18340	1	Si
742	0.158	21.43	0	-14946	LU 12	-14946	-13477	-76908	-18340	-18340	1	Si
770	0	22.81	0	-16104	LU 12	-16104	-13760	-76908	0	-13760	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1598799	2	-1438147	41.6	124.5	1305.2	1837	-1303500	2	-1170374	33.8	93.4	0	+∞	Si
23	-1284960	2	-1284960	37.1	124.5	1166.2	1837	-1043462	2	-1043462	30.2	93.4	0	+∞	Si
51	-905393	2	-1284960	40.3	124.5	1470.6	1837	-729051	2	-1043462	32.7	93.4	0	+∞	Si
103	-302428	2	-634080	14.3	124.5	219.9	1837	-229891	2	-504401	20.2	93.4	0	+∞	Si
154	210706	3	459396	16.7	124.5	684	1837	193980	2	399544	14.5	93.4	0	+∞	Si
205	632539	3	830013	30.1	124.5	1235.8	1837	542561	2	705488	25.6	93.4	0	+∞	Si
231	809541	3	981406	35.6	124.5	1461.2	1837	688617	2	830227	30.1	93.4	0	+∞	Si
282	1095727	2	1216517	44.2	124.5	1811.3	1837	924264	2	1023237	37.1	93.4	0	+∞	Si
334	1291707	2	1361280	49.4	124.5	2026.8	1837	1084621	2	1140958	41.4	93.4	0	+∞	No
385	1397247	2	1416101	51.4	124.5	2108.4	1837	1169688	2	1183988	43	93.4	0	+∞	No
436	1412346	2	1416101	51.4	124.5	2108.4	1837	1179466	2	1183988	43	93.4	0	+∞	No
488	1337003	2	1389475	50.4	124.5	2068.8	1837	1113954	2	1159217	42.1	93.4	0	+∞	No
539	1171220	2	1274909	46.3	124.5	1898.2	1837	973153	2	1061052	38.5	93.4	0	+∞	No
590	914995	2	1069901	38.8	124.5	1593	1837	757062	2	887598	32.2	93.4	0	+∞	Si
616	752968	2	933482	33.9	124.5	1389.9	1837	620783	2	772637	28.1	93.4	0	+∞	Si
667	361082	2	592812	18.1	124.5	875.3	1837	291758	2	486248	14.8	93.4	0	+∞	Si
719	-128589	9	-378922	10.3	124.5	288.9	1837	-112557	2	-326491	8.9	93.4	0	+∞	Si
742	-378922	3	-378922	10.3	124.5	288.9	1837	-326491	2	-326491	8.9	93.4	0	+∞	Si
770	-696257	3	-531543	14.5	124.5	405.2	1837	-592054	2	-454236	11.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	38.5	0.00038	0.0146	2	38.5	0.00034	0.0132	2	38.5	0.00031	0.0119	2	Si
23	superiore	38.5	0.00034	0.0131	2	38.5	0.00029	0.0113	2	38.5	0.00028	0.0106	2	Si
51	superiore	45.1	0.00043	0.0193	2	45.1	0.00037	0.0168	2	45.1	0.00035	0.0157	2	Si
282	inferiore	54.5	0.00053	0.0287	2	54.5	0.00048	0.0261	2	54.5	0.00044	0.0242	2	Si
334	inferiore	54.5	0.00059	0.0322	2	54.5	0.00057	0.031	2	54.5	0.00052	0.0286	2	Si
385	inferiore	54.5	0.00061	0.0334	2	54.5	0.0006	0.0329	2	54.5	0.00056	0.0303	2	No
436	inferiore	54.5	0.00061	0.0334	2	54.5	0.0006	0.0329	2	54.5	0.00056	0.0303	2	No
488	inferiore	54.5	0.0006	0.0328	2	54.5	0.00059	0.0319	2	54.5	0.00054	0.0293	2	Si
539	inferiore	54.5	0.00055	0.0301	2	54.5	0.00051	0.0278	2	54.5	0.00047	0.0254	2	Si
590	inferiore	54.5	0.00046	0.0253	2	54.5	0.00041	0.0222	2	54.5	0.00038	0.021	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.011	0.009	0.014	0.008	0.01	0.009	0.011	0.008	0.01	0.009	0.031	2	0.025	2	9999	Si
51	0.028	0.022	0.034	0.02	0.025	0.022	0.026	0.02	0.024	0.022	0.075	2	0.061	2	9999	Si
103	0.061	0.048	0.075	0.044	0.055	0.048	0.057	0.044	0.052	0.048	0.162	2	0.132	2	4760	Si
154	0.097	0.076	0.117	0.069	0.087	0.076	0.09	0.069	0.082	0.076	0.252	2	0.207	2	3051	Si
205	0.131	0.102	0.158	0.093	0.117	0.102	0.122	0.093	0.111	0.102	0.34	2	0.279	2	2266	Si
231	0.147	0.114	0.178	0.104	0.13	0.114	0.136	0.104	0.124	0.114	0.381	2	0.312	2	2023	Si
282	0.173	0.134	0.212	0.122	0.153	0.134	0.162	0.123	0.146	0.134	0.453	2	0.37	2	1700	Si
334	0.191	0.147	0.238	0.135	0.17	0.148	0.18	0.136	0.161	0.148	0.508	2	0.413	2	1517	Si
385	0.2	0.154	0.252	0.142	0.177	0.154	0.19	0.142	0.168	0.154	0.535	2	0.438	2	1438	Si
411	0.201	0.154	0.253	0.142	0.178	0.155	0.191	0.143	0.169	0.155	0.538	2	0.44	2	1432	Si
436	0.199	0.153	0.251	0.141	0.176	0.153	0.189	0.141	0.167	0.153	0.532	2	0.436	2	1448	Si
488	0.188	0.144	0.235	0.132	0.166	0.144	0.177	0.133	0.157	0.144	0.497	2	0.407	2	1551	Si
539	0.167	0.127	0.205	0.117	0.147	0.128	0.156	0.117	0.14	0.128	0.433	2	0.356	2	1779	Si
590	0.137	0.105	0.166	0.096	0.121	0.105	0.127	0.096	0.115	0.105	0.35	2	0.289	2	2197	Si
616	0.12	0.091	0.145	0.083	0.106	0.092	0.11	0.084	0.1	0.092	0.304	2	0.251	2	2531	Si
667	0.082	0.062	0.098	0.056	0.072	0.062	0.075	0.057	0.068	0.062	0.205	2	0.17	2	3754	Si
719	0.04	0.03	0.048	0.028	0.035	0.031	0.037	0.028	0.034	0.031	0.102	2	0.084	2	7571	Si
742	0.021	0.016	0.026	0.015	0.019	0.016	0.02	0.015	0.018	0.016	0.054	2	0.044	2	9999	Si

Trave a "Piano 1" 67-69

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 67 - 68, sezione R 45x70, asta 787

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	19.01	5.4						-1346840	LU 12	-1229510	-1422107	0.084	Si
23	11.4	5.4	19.01	5.4						-1124374	LU 12	-1124374	-1422107	0.084	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
45	11.4	5.4	19.01	5.4						-923546	LU 12	-1124374	-1422107	0.084	Si
68	11.4	5.4	19.01	5.4						-749163	LU 12	-978073	-1422107	0.084	Si
91	11.4	5.4	17.42	5.4	-396253	LU 1	76399	2135439	0.094	-599622	LU 12	-796672	-1422107	0.084	Si
102	11.4	5.4	15.89	5.4	-349762	LU 1	136952	1954579	0.091	-534167	LU 12	-715287	-1422107	0.084	Si
125	11.4	5.4	11.4	5.4	-267261	LU 1	230111	1422094	0.084	-421889	LU 12	-571149	-1422094	0.084	Si
147	11.4	5.4	11.4	5.4	-198049	LU 4	286006	1422094	0.084	-334796	LU 11	-451853	-1422094	0.084	Si
170	11.4	5.4	11.4	5.4	-139516	LU 8	304637	1422094	0.084	-273087	LU 11	-357492	-1422094	0.084	Si
193	11.4	5.4	11.4	5.4	-94136	LU 8	286006	1422094	0.084	-236221	LU 11	-288765	-1422094	0.084	Si
215	11.4	5.4	11.4	5.4	-62730	LU 8	230111	1422094	0.084	-224198	LU 11	-245901	-1422094	0.084	Si
238	11.4	5.4	11.4	5.4	-45298	LU 8	136952	1422094	0.084	-237016	LU 11	-290580	-1422094	0.084	Si
261	11.4	5.4	11.4	5.4	-41841	LU 8	6530	1422094	0.084	-274677	LU 11	-360101	-1422094	0.084	Si
272	14.72	5.4	12.93	5.4						-302823	LU 11	-404177	-1815087	0.089	Si
295	16.85	5.4	14.45	5.4						-377748	LU 11	-478385	-2068246	0.091	Si
317	19.01	5.4	15.21	5.4						-478385	LU 11	-478385	-2323187	0.094	Si
340	19.01	5.4	15.21	5.4						-602123	LU 11	-534157	-2323187	0.094	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	10433	LU 12	10433	10922	76908	0	10922	1	Si
23	0.244	11.4	0	9345	LU 12	9345	10922	76908	28344	28344	1	Si
45	0.244	11.4	0	8241	LU 12	8241	10922	76908	28344	28344	1	Si
68	0.244	11.4	0	7145	LU 12	7145	10922	76908	28344	28344	1	Si
91	0.244	11.4	0	6079	LU 18	6079	10922	76908	28344	28344	1	Si
102	0.214	11.4	0	5575	LU 18	5575	10922	76908	24848	24848	1	Si
125	0.214	11.4	0	4568	LU 18	4568	10922	76908	24848	24848	1	Si
147	0.214	11.4	0	3741	LU 17	3741	10922	76908	24848	24848	1	Si
170	0.214	11.4	0	2940	LU 17	2940	10922	76908	24848	24848	1	Si
193	0.214	11.4	0	2138	LU 17	2138	10922	76908	24848	24848	1	Si
215	0.214	11.4	0	1337	LU 17	1337	10922	76908	24848	24848	1	Si
215	0.214	11.4	0	-277	LU 2	-277	-10922	-76908	-24848	-24848	1	Si
238	0.214	11.4	0	535	LU 17	535	10922	76908	24848	24848	1	Si
238	0.214	11.4	0	-1188	LU 2	-1188	-10922	-76908	-24848	-24848	1	Si
261	0.215	11.4	0	-2209	LU 11	-2209	-10922	-76908	-25009	-25009	1	Si
272	0.215	11.4	0	-2757	LU 11	-2757	-10922	-76908	-25009	-25009	1	Si
295	0.215	11.4	0	-3853	LU 11	-3853	-10922	-76908	-25009	-25009	1	Si
317	0.215	11.4	0	-4958	LU 11	-4958	-10922	-76908	-25009	-25009	1	Si
340	0	14.72	0	-6045	LU 11	-6045	-11891	-76908	0	-11891	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1017087	3	-928786	29.1	124.5	1372.7	1837	-929808	2	-850485	26.7	93.4	0	+∞	Si
23	-849530	3	-849530	26.6	124.5	1255.6	1837	-778678	2	-778678	24.4	93.4	0	+∞	Si
45	-697985	3	-849530	26.6	124.5	1255.6	1837	-640674	2	-778678	24.4	93.4	0	+∞	Si
68	-566071	3	-739154	23.2	124.5	1091.8	1837	-519071	2	-678271	21.3	93.4	0	+∞	Si
91	-452582	3	-602035	19.2	124.5	890.4	1837	-412778	2	-552343	17.7	93.4	0	+∞	Si
102	-402746	3	-540385	17.6	124.5	799.9	1837	-365372	2	-495120	16.1	93.4	0	+∞	Si
125	-316894	3	-430903	14.9	124.5	639.6	1837	-282042	2	-392156	13.5	93.4	0	+∞	Si
147	-249695	2	-339846	11.7	124.5	504.4	1837	-214022	2	-304502	10.5	93.4	0	+∞	Si
170	-201282	2	-267275	9.2	124.5	396.7	1837	-161311	2	-232156	8	93.4	0	+∞	Si
193	-171294	2	-213658	7.4	124.5	317.1	1837	-123909	2	-175120	6	93.4	0	+∞	Si
215	-159731	2	-178465	6.2	124.5	264.9	1837	-101816	2	-133394	4.6	93.4	0	+∞	Si
238	-166593	2	-202926	7	124.5	301.2	1837	-95033	2	-109211	3.8	93.4	0	+∞	Si
261	-191879	2	-251842	8.7	124.5	373.8	1837	-103559	2	-137371	4.7	93.4	0	+∞	Si
272	-211432	2	-283210	8.7	124.5	328.2	1837	-113563	2	-157193	4.9	93.4	0	+∞	Si
295	-264355	2	-336329	9.7	124.5	341.5	1837	-145053	2	-192281	5.6	93.4	0	+∞	Si
317	-336329	2	-336329	9.3	124.5	304	1837	-192281	2	-192281	5.3	93.4	0	+∞	Si
340	-425476	2	-376381	10.4	124.5	340.2	1837	-253961	2	-219363	6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.008	1	9999	Si
45	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	1	-0.014	1	9999	Si
68	-0.007	-0.009	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.016	1	-0.017	1	9999	Si
91	-0.008	-0.01	-0.007	-0.009	-0.008	-0.009	-0.008	-0.008	-0.008	-0.008	-0.018	1	-0.02	1	9999	Si
102	-0.008	-0.01	-0.008	-0.01	-0.008	-0.009	-0.008	-0.009	-0.008	-0.008	-0.019	1	-0.02	1	9999	Si
125	-0.008	-0.01	-0.008	-0.01	-0.008	-0.009	-0.008	-0.009	-0.008	-0.009	-0.019	1	-0.021	1	9999	Si
147	-0.008	-0.01	-0.008	-0.01	-0.008	-0.009	-0.008	-0.009	-0.008	-0.008	-0.019	1	-0.021	1	9999	Si
170	-0.007	-0.01	-0.007	-0.01	-0.007	-0.008	-0.007	-0.009	-0.007	-0.008	-0.018	1	-0.02	1	9999	Si
193	-0.006	-0.009	-0.006	-0.009	-0.006	-0.008	-0.007	-0.008	-0.006	-0.007	-0.016	1	-0.018	1	9999	Si
215	-0.005	-0.008	-0.006	-0.009	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.014	1	-0.016	1	9999	Si
238	-0.005	-0.007	-0.005	-0.008	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.012	1	-0.014	1	9999	Si
261	-0.004	-0.006	-0.004	-0.006	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.01	1	-0.012	1	9999	Si
272	-0.003	-0.006	-0.003	-0.006	-0.003	-0.004	-0.004	-0.005	-0.003	-0.004	-0.009	1	-0.01	1	9999	Si
295	-0.002	-0.004	-0.002	-0.004	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	1	-0.007	1	9999	Si
317	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	1	-0.004	1	9999	Si

Campata 2 tra i fili 68 - 69, sezione R 45x70, asta 788

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	15.21	5.4						-2125268	LU 11	-1902112	-2323187	0.094	Si
23	19.01	5.4	15.21	5.4						-1689472	LU 11	-1689472	-2323187	0.094	Si
51	14.93	5.4	14.05	5.4						-1162861	LU 11	-1689472	-1840168	0.089	Si
103	7.6	5.4	11.4	5.4	-126298	LU 8	128909	1422093	0.084	-327866	LU 11	-786908	-970824	0.078	Si
154	7.6	5.4	11.4	5.4	380795	LU 12	722768	1422093	0.084	253545	LU 1	-19014	-970824	0.078	Si
205	7.6	5.4	11.4	5.4	960275	LU 12	1230094	1422093	0.084						Si
231	7.6	5.4	11.4	5.4	1202235	LU 12	1436319	1422093	0.084						No
282	7.6	5.4	11.4	5.4	1591235	LU 11	1753213	1422093	0.084						No
334	7.6	5.4	11.4	5.4	1852870	LU 11	1942694	1422093	0.084						No
385	7.6	5.4	11.4	5.4	1987091	LU 11	2006422	1422093	0.084						No
436	7.6	5.4	11.4	5.4	1993900	LU 11	2006422	1422093	0.084						No
488	7.6	5.4	11.4	5.4	1873295	LU 11	1955408	1422093	0.084						No
539	7.6	5.4	11.4	5.4	1625277	LU 11	1779544	1422093	0.084						No
590	7.6	5.4	11.4	5.4	1249846	LU 11	1476267	1422093	0.084						No

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
616	7.6	5.4	11.4	5.4	1014350	LU 11	1276848	1422093	0.084						Si
667	21.43	5.4	11.4	5.4	447799	LU 11	782451	1422107	0.084	205330	LU 8	-13352	-2610142	0.102	Si
719	22.81	5.4	11.4	5.4	-167614	LU 1	160641	1422107	0.084	-264624	LU 18	-619537	-2773209	0.105	Si
742	22.81	5.4	11.4	5.4						-619537	LU 12	-619537	-2773209	0.105	Si
770	22.81	5.4	11.4	5.4						-1074417	LU 12	-838514	-2773209	0.105	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	19989	LU 11	19989	9541	76908	0	9541	1	Si
23	0.201	7.6	0	18901	LU 11	18901	9541	76908	23342	23342	1	Si
51	0.201	7.6	0	17507	LU 11	17507	9541	76908	23342	23342	1	Si
103	0.159	7.6	0	15025	LU 11	15025	9541	76908	18512	18512	1	Si
154	0.159	11.4	0	12543	LU 11	12543	10922	76908	18512	18512	1	Si
205	0.159	11.4	0	10061	LU 11	10061	10922	76908	18512	18512	1	Si
231	0.159	11.4	0	8820	LU 11	8820	10922	76908	18512	18512	1	Si
282	0.159	11.4	0	6338	LU 11	6338	10922	76908	18512	18512	1	Si
334	0.159	11.4	0	3856	LU 11	3856	10922	76908	18512	18512	1	Si
385	0.159	11.4	0	1374	LU 11	1374	10922	76908	18512	18512	1	Si
436	0.159	11.4	0	-1130	LU 18	-1130	-10922	-76908	-18512	-18512	1	Si
488	0.159	11.4	0	-3604	LU 12	-3604	-10922	-76908	-18512	-18512	1	Si
539	0.159	11.4	0	-6086	LU 12	-6086	-10922	-76908	-18512	-18512	1	Si
590	0.159	11.4	0	-8568	LU 12	-8568	-10922	-76908	-18512	-18512	1	Si
616	0.159	10	0	-9809	LU 12	-9809	-10453	-76908	-18512	-18512	1	Si
667	0.159	11.4	0	-12291	LU 12	-12291	-10922	-76908	-18512	-18512	1	Si
719	0.172	16.59	0	-14773	LU 12	-14773	-12375	-76908	-20007	-20007	1	Si
742	0.172	21.43	0	-15926	LU 12	-15926	-13477	-76908	-20007	-20007	1	Si
770	0	22.81	0	-17105	LU 12	-17105	-13760	-76908	0	-13760	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1568406	2	-1403081	38.7	124.5	1268.2	1837	-1266212	2	-1129708	31.1	93.4	0	+∞	Si
23	-1245556	2	-1245556	34.3	124.5	1125.9	1837	-999685	2	-999685	27.5	93.4	0	+∞	Si
51	-855456	2	-1245556	37.7	124.5	1422.2	1837	-677766	2	-999685	30.3	93.4	0	+∞	Si
103	-237004	2	-576986	13	124.5	200.1	1837	-167840	2	-448097	18	93.4	0	+∞	Si
154	287669	3	540855	19.6	124.5	805.3	1837	263566	2	471919	17.1	93.4	0	+∞	Si
205	716665	3	916337	33.3	124.5	1364.3	1837	616453	2	780340	28.3	93.4	0	+∞	Si
231	895726	3	1068869	38.8	124.5	1591.4	1837	763451	2	905105	32.9	93.4	0	+∞	Si
282	1183402	2	1303062	47.3	124.5	1940.1	1837	998558	2	1095746	39.8	93.4	0	+∞	No
334	1376611	2	1442756	51.8	124.5	2148.1	1837	1155145	2	1207868	43.9	93.4	0	+∞	No
385	1475321	2	1489239	54.1	124.5	2217.3	1837	1233212	2	1242801	45.1	93.4	0	+∞	No
436	1479533	2	1489239	54.1	124.5	2217.3	1837	1232760	2	1242801	45.1	93.4	0	+∞	No
488	1389247	2	1450622	52.7	124.5	2159.8	1837	1153788	2	1207023	43.8	93.4	0	+∞	No
539	1204462	2	1319352	47.9	124.5	1964.4	1837	996296	2	1093997	39.7	93.4	0	+∞	No
590	925179	2	1093583	39.7	124.5	1628.2	1837	760285	2	902452	32.8	93.4	0	+∞	Si
616	750101	2	945262	34.3	124.5	1407.4	1837	612834	2	777234	28.2	93.4	0	+∞	Si
667	329070	2	577745	17.6	124.5	853	1837	259043	2	467908	14.3	93.4	0	+∞	Si
719	-198764	9	-463255	12.6	124.5	353.2	1837	-173267	2	-401325	10.9	93.4	0	+∞	Si
742	-463255	3	-463255	12.6	124.5	353.2	1837	-401325	2	-401325	10.9	93.4	0	+∞	Si
770	-801049	3	-625874	17.1	124.5	477.1	1837	-683925	2	-537403	14.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	38.5	0.00037	0.0142	2	38.5	0.00032	0.0125	2	38.5	0.0003	0.0115	2	Si
23	superiore	38.5	0.00033	0.0126	2	38.5	0.00028	0.0109	2	38.5	0.00026	0.0101	2	Si
51	superiore	45.1	0.00041	0.0187	2	45.1	0.00036	0.016	2	45.1	0.00033	0.015	2	Si
231	inferiore	54.5	0.00046	0.0252	2	54.5	0.00041	0.0225	2	54.5	0.00039	0.0214	2	Si
282	inferiore	54.5	0.00057	0.0308	2	54.5	0.00053	0.0291	2	54.5	0.00049	0.0268	2	Si
334	inferiore	54.5	0.00063	0.0341	2	54.5	0.00062	0.0338	2	54.5	0.00057	0.0312	2	No
385	inferiore	54.5	0.00065	0.0352	2	54.5	0.00065	0.0353	2	54.5	0.0006	0.0326	2	No
436	inferiore	54.5	0.00065	0.0352	2	54.5	0.00065	0.0353	2	54.5	0.0006	0.0326	2	No
488	inferiore	54.5	0.00063	0.0343	2	54.5	0.00062	0.0339	2	54.5	0.00057	0.0312	2	No
539	inferiore	54.5	0.00057	0.0312	2	54.5	0.00054	0.0292	2	54.5	0.00049	0.0267	2	Si
590	inferiore	54.5	0.00047	0.0258	2	54.5	0.00042	0.0226	2	54.5	0.00039	0.0213	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.013	0.01	0.017	0.009	0.011	0.01	0.013	0.01	0.011	0.01	0.036	2	0.03	2	9999	Si
51	0.031	0.024	0.041	0.023	0.028	0.025	0.031	0.023	0.026	0.025	0.086	2	0.072	2	9001	Si
103	0.068	0.053	0.087	0.05	0.06	0.053	0.067	0.05	0.058	0.053	0.182	2	0.153	2	4241	Si
154	0.106	0.082	0.135	0.078	0.094	0.083	0.104	0.078	0.09	0.083	0.28	2	0.237	2	2745	Si
205	0.142	0.11	0.182	0.104	0.126	0.11	0.139	0.104	0.12	0.11	0.375	2	0.316	2	2053	Si
231	0.158	0.122	0.203	0.116	0.14	0.122	0.155	0.116	0.133	0.123	0.419	2	0.352	2	1838	Si
282	0.185	0.143	0.242	0.136	0.164	0.143	0.183	0.136	0.156	0.143	0.497	2	0.416	2	1551	Si
334	0.204	0.156	0.27	0.149	0.18	0.157	0.204	0.151	0.171	0.157	0.555	2	0.464	2	1388	Si
385	0.212	0.162	0.285	0.156	0.188	0.163	0.214	0.157	0.178	0.163	0.583	2	0.488	2	1321	Si
411	0.213	0.162	0.285	0.156	0.188	0.163	0.215	0.158	0.178	0.163	0.584	2	0.489	2	1318	Si
436	0.21	0.16	0.282	0.154	0.186	0.161	0.212	0.155	0.176	0.161	0.577	2	0.482	2	1336	Si
488	0.198	0.15	0.263	0.144	0.174	0.151	0.198	0.145	0.165	0.151	0.536	2	0.447	2	1436	Si
539	0.175	0.133	0.229	0.126	0.154	0.133	0.172	0.127	0.146	0.134	0.465	2	0.388	2	1655	Si
590	0.144	0.108	0.185	0.103	0.127	0.109	0.14	0.104	0.12	0.109	0.375	2	0.314	2	2052	Si
616	0.125	0.094	0.16	0.089	0.11	0.095	0.121	0.09	0.104	0.095	0.325	2	0.272	2	2367	Si
667	0.085	0.064	0.108	0.06	0.074	0.064	0.082	0.061	0.07	0.064	0.218	2	0.183	2	3524	Si
719	0.042	0.031	0.053	0.029	0.037	0.031	0.04	0.03	0.035	0.031	0.108	2	0.09	2	7133	Si
742	0.022	0.016	0.028	0.015	0.019	0.016	0.021	0.016	0.018	0.016	0.057	2	0.048	2	9999	Si

Trave a "Piano 1" 70-25D

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 70 - 67, sezione R 45x70, asta 802

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	26.61	5.4						-319513	LU 12	-299338	-3671789	0.101	Si
20	30.41	5.4	26.61	5.4						-284746	LU 12	-284670	-3671789	0.101	Si
23	30.41	5.4	26.61	5.4						-281669	LU 12	-281669	-3671789	0.101	Si
41	30.41	5.4	26.61	5.4						-254281	LU 12	-281669	-3671789	0.101	Si
61	30.41	5.4	26.61	5.4						-228119	LU 12	-266567	-3671789	0.101	Si
82	30.41	5.4	25.86	5.4	-140612	LU 1	12444	3133382	0.095	-206258	LU 12	-238606	-3671859	0.102	Si
92	30.41	5.4	23.79	5.4	-133820	LU 1	22931	2888441	0.093	-196942	LU 12	-226239	-3671942	0.103	Si
113	30.41	5.4	15.21	5.4	-122717	LU 1	39064	1872209	0.086	-181535	LU 12	-204731	-3671293	0.114	Si
133	25.42	5.4	15.21	5.4	-114812	LU 4	48745	1872343	0.087	-170487	LU 11	-187526	-3081981	0.105	Si
154	19.62	5.4	15.21	5.4	-110168	LU 4	51971	1872534	0.088	-163765	LU 11	-174646	-2395975	0.095	Si
174	7.6	5.4	15.21	5.4	-108825	LU 8	48745	1873491	0.092	-161345	LU 11	-166125	-971252	0.079	Si
184	7.6	5.4	15.21	5.4	-109207	LU 8	44711	1873491	0.092	-161749	LU 11	-168818	-971252	0.079	Si
195	13.21	7.1	15.21	5.4	-110417	LU 8	39064	1919287	0.107	-163228	LU 11	-173347	-1591362	0.088	Si
215	20.8	7.9	15.21	5.4	-115319	LU 8	22931	1945190	0.122	-169413	LU 11	-185633	-2430180	0.101	Si
236	26.6	8.3	15.21	5.4	-123531	LU 8	344	1949352	0.127	-179900	LU 11	-202221	-3069447	0.112	Si
246	28.05	8.3	19.12	5.4						-186757	LU 11	-212129	-3229342	0.109	Si
266	30.41	8.4	21.88	5.4						-203698	LU 11	-222764	-3489718	0.11	Si
285	30.41	8.4	22.81	5.4						-222764	LU 11	-222764	-3489861	0.109	Si
287	30.41	8.4	22.81	5.4						-224941	LU 11	-224905	-3489861	0.109	Si
307	30.41	8.4	22.81	5.4						-250486	LU 11	-235371	-3489861	0.109	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	1810	LU 18	1810	15145	76908	0	15145	1	Si
20	0	30.41	0	1601	LU 18	1601	15145	76908	0	15145	1	Si
23	0.23	30.41	0	1580	LU 18	1580	15145	76908	26676	26676	1	Si
41	0.23	30.41	0	1391	LU 18	1391	15145	76908	26676	26676	1	Si
61	0.23	28.32	0	1181	LU 18	1181	14790	76908	26676	26676	1	Si
82	0.23	22.52	0	971	LU 18	971	13702	76908	26676	26676	1	Si
92	0.23	19.62	0	866	LU 18	866	13087	76908	26676	26676	1	Si
113	0.222	7.6	0	656	LU 18	656	9541	76908	25724	25724	1	Si
133	0.222	13.21	0	446	LU 18	446	11470	76908	25724	25724	1	Si
154	0.222	20.8	0	236	LU 18	236	13344	76908	25724	25724	1	Si
174	0.222	26.6	0	34	LU 9	34	14484	76908	25724	25724	1	Si
174	0.222	26.6	0	-30	LU 10	-30	-14484	-76908	-25724	-25724	1	Si
195	0.222	25.42	0	-240	LU 10	-240	-14083	-74887	-25048	-25048	1	Si
215	0.23	19.62	0	-450	LU 10	-450	-12834	-73887	-25628	-25628	1	Si
236	0.23	7.6	0	-660	LU 10	-660	-9333	-73507	-25497	-25497	1	Si
246	0.23	7.6	0	-765	LU 10	-765	-9329	-73437	-25472	-25472	1	Si
266	0.23	14.66	0	-975	LU 10	-975	-11603	-73337	-25438	-25438	1	Si
285	0.23	23.7	0	-1164	LU 10	-1164	-13619	-73337	-25438	-25438	1	Si
287	0	23.7	0	-1185	LU 10	-1185	-13619	-73337	0	-13619	1	Si
307	0	28.05	0	-1395	LU 10	-1395	-14405	-73337	0	-14405	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-242973	3	-227508	4.8	124.5	129.5	1837	-230113	2	-214907	4.5	93.4	0	+∞	Si
20	-216329	3	-216272	4.5	124.5	123.1	1837	-203940	2	-203884	4.3	93.4	0	+∞	Si
23	-213972	3	-213972	4.5	124.5	121.8	1837	-201628	2	-201628	4.2	93.4	0	+∞	Si
41	-192995	3	-213972	4.5	124.5	121.8	1837	-181075	2	-201628	4.2	93.4	0	+∞	Si
61	-172969	3	-202404	4.3	124.5	115.2	1837	-161521	2	-190288	4	93.4	0	+∞	Si
82	-156254	3	-180995	3.8	124.5	103.1	1837	-145275	2	-169350	3.6	93.4	0	+∞	Si
92	-149137	3	-171532	3.7	124.5	97.9	1837	-138394	2	-160122	3.5	93.4	0	+∞	Si
113	-137386	3	-155087	3.7	124.5	89.4	1837	-127113	2	-144148	3.4	93.4	0	+∞	Si
133	-128981	2	-141952	3.6	124.5	97.1	1837	-119141	2	-131483	3.3	93.4	0	+∞	Si
154	-123902	2	-132142	3.6	124.5	115.8	1837	-114479	2	-122128	3.3	93.4	0	+∞	Si
174	-122132	2	-125679	2.7	124.5	42.8	1837	-113127	2	-116939	4.5	93.4	0	+∞	Si
195	-123672	2	-131586	4.3	124.5	179.9	1837	-115083	2	-123589	4	93.4	0	+∞	Si
215	-128521	2	-141129	4	124.5	129.3	1837	-120350	2	-133548	3.8	93.4	0	+∞	Si
236	-136680	2	-153981	4.1	124.5	113.4	1837	-128925	2	-146817	3.9	93.4	0	+∞	Si
246	-142001	2	-161647	4.1	124.5	112.9	1837	-134454	2	-154692	3.9	93.4	0	+∞	Si
266	-155124	2	-169872	4	124.5	109.9	1837	-147994	2	-163119	3.9	93.4	0	+∞	Si
285	-169872	2	-169872	4	124.5	109.8	1837	-163119	2	-163119	3.8	93.4	0	+∞	Si
287	-171556	2	-171528	4	124.5	110.9	1837	-164844	2	-164814	3.9	93.4	0	+∞	Si
307	-191298	2	-179621	4.2	124.5	116.1	1837	-185003	2	-173097	4.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
41	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
61	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	1	-0.005	1	9999	Si
82	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
92	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
113	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.007	1	-0.007	1	9999	Si
133	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.007	1	-0.008	1	9999	Si
154	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
174	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.007	1	-0.008	1	9999	Si
195	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.007	1	-0.007	1	9999	Si
215	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
236	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
246	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	1	-0.005	1	9999	Si
266	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
285	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
287	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Campata 3 tra i fili 67 - 64, sezione R 45x70, asta 803

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	8.4	22.81	5.4						-255659	LU 11	-241566	-3489861	0.109	Si
18	30.41	8.4	22.81	5.4						-234602	LU 11	-234138	-3489861	0.109	Si
23	30.41	8.4	22.81	5.4						-229960	LU 11	-229960	-3489861	0.109	Si
36	30.41	8.4	22.81	5.4						-216862	LU 11	-229960	-3489861	0.109	Si
54	29.11	8.4	20.67	5.4						-202439	LU 11	-227453	-3346194	0.109	Si
72	26.56	8.3	18.24	5.4	-110279	LU 8	8720	2287147	0.131	-191332	LU 11	-210990	-3065609	0.108	Si
81	25.29	8.2	15.21	5.4	-107332	LU 8	16805	1948660	0.126	-187023	LU 11	-204002	-2925391	0.109	Si
99	18.11	7.7	15.21	5.4	-103351	LU 8	29244	1942093	0.119	-180892	LU 11	-192514	-2133292	0.096	Si
117	15.57	7.4	15.21	5.4	-101922	LU 8	36707	1936475	0.114	-178078	LU 11	-184343	-1852007	0.092	Si
135	13.02	7.1	15.21	5.4	-103044	LU 8	39194	1917826	0.107	-178581	LU 11	-186471	-1570644	0.088	Si
153	7.6	5.4	15.21	5.4	-106717	LU 8	36707	1873491	0.092	-182401	LU 11	-195648	-971252	0.079	Si
171	21.46	6.3	15.21	5.4	-112943	LU 8	29244	1910715	0.094	-189538	LU 11	-208142	-2576665	0.099	Si
189	26.55	6.4	15.21	5.4	-121719	LU 8	16805	1924306	0.095	-199992	LU 11	-224119	-3165089	0.108	Si
207	30.41	6.4	18.92	5.4						-213827	LU 12	-243413	-3611126	0.11	Si
216	30.41	6.4	20.13	5.4						-222039	LU 12	-254304	-3611139	0.108	Si
234	30.41	6.4	22.56	5.4						-240952	LU 12	-257416	-3611203	0.106	Si
247	30.41	6.4	22.81	5.4						-257416	LU 12	-257416	-3611307	0.106	Si
252	30.41	6.4	22.81	5.4						-263181	LU 12	-262605	-3611307	0.106	Si
270	30.41	6.4	22.81	5.4						-288728	LU 12	-271828	-3611307	0.106	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	27.84	0	1262	LU 11	1262	14369	73337	0	14369	1	Si
18	0	25.29	0	1078	LU 11	1078	13917	73337	0	13917	1	Si
23	0.244	25.29	0	1032	LU 11	1032	13917	73337	27027	27027	1	Si
36	0.244	18.11	0	893	LU 11	893	12451	73337	27027	27027	1	Si
54	0.244	15.57	0	709	LU 11	709	11843	73390	27047	27047	1	Si
72	0.244	13.02	0	525	LU 11	525	11167	73509	27091	27091	1	Si
81	0.244	7.6	0	433	LU 11	433	9338	73578	27116	27116	1	Si
99	0.237	18.91	0	248	LU 11	248	12700	74145	26474	26474	1	Si
117	0.237	24.01	0	64	LU 11	64	13779	74472	26591	26591	1	Si
135	0.237	26.56	0	-163	LU 17	-163	-14295	-74927	-26753	-26753	1	Si
153	0.237	24.02	0	-347	LU 17	-347	-14000	-76908	-27461	-27461	1	Si
171	0.237	16.84	0	-532	LU 17	-532	-12356	-75883	-27095	-27095	1	Si
189	0.244	14.29	0	-716	LU 17	-716	-11691	-75775	-27926	-27926	1	Si
207	0.244	7.6	0	-900	LU 17	-900	-9469	-75718	-27905	-27905	1	Si
216	0.244	7.6	0	-992	LU 17	-992	-9469	-75718	-27905	-27905	1	Si
234	0.244	21.46	0	-1177	LU 17	-1177	-13382	-75718	-27905	-27905	1	Si
247	0.244	24.01	0	-1315	LU 17	-1315	-13891	-75718	-27905	-27905	1	Si
252	0	26.55	0	-1361	LU 17	-1361	-14366	-75718	0	-14366	1	Si
270	0	30.41	0	-1545	LU 17	-1545	-15031	-75718	0	-15031	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-192276	2	-181446	4.3	124.5	117.3	1837	-172325	2	-161546	3.8	93.4	0	+∞	Si
18	-176096	2	-175740	4.1	124.5	113.6	1837	-156227	2	-155872	3.7	93.4	0	+∞	Si
23	-172530	2	-172530	4.1	124.5	111.5	1837	-152681	2	-152681	3.6	93.4	0	+∞	Si
36	-162468	2	-172530	4.1	124.5	111.5	1837	-142680	2	-152681	3.6	93.4	0	+∞	Si
54	-151391	2	-170604	4.2	124.5	115	1837	-131685	2	-150766	3.7	93.4	0	+∞	Si
72	-142865	2	-157958	4.1	124.5	115.9	1837	-123241	2	-138201	3.6	93.4	0	+∞	Si
81	-139560	2	-152591	4.1	124.5	117.5	1837	-119976	2	-132876	3.6	93.4	0	+∞	Si
99	-134861	2	-143773	4.3	124.5	148.9	1837	-115359	2	-124138	3.7	93.4	0	+∞	Si
117	-132715	2	-137505	4.3	124.5	162.8	1837	-113294	2	-117953	3.6	93.4	0	+∞	Si
135	-133120	2	-139218	4.5	124.5	192.8	1837	-113780	2	-120010	3.9	93.4	0	+∞	Si
153	-136076	2	-146295	3.1	124.5	49.9	1837	-116818	2	-127168	4.9	93.4	0	+∞	Si
171	-141584	2	-155923	4.2	124.5	129.6	1837	-122407	2	-136878	3.7	93.4	0	+∞	Si
189	-149643	2	-168214	4.3	124.5	114.6	1837	-130548	2	-149140	3.8	93.4	0	+∞	Si
207	-160297	3	-183057	4.3	124.5	109.3	1837	-141241	2	-163953	3.8	93.4	0	+∞	Si
216	-166614	3	-191435	4.4	124.5	114.1	1837	-147544	2	-172316	4	93.4	0	+∞	Si
234	-181163	3	-193829	4.4	124.5	115.2	1837	-162063	2	-174707	3.9	93.4	0	+∞	Si
247	-193829	3	-193829	4.3	124.5	115.2	1837	-174707	2	-174707	3.9	93.4	0	+∞	Si
252	-198264	3	-197820	4.4	124.5	117.6	1837	-179134	2	-178692	4	93.4	0	+∞	Si
270	-217916	3	-204916	4.6	124.5	121.8	1837	-198757	2	-185775	4.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
36	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
54	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
72	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
81	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
99	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.005	1	-0.006	1	9999	Si
117	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
135	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
153	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
171	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
189	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
207	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
216	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
234	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
247	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
252	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si

Campata 4 tra i fili 64 - 61, sezione R 45x70, asta 804

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	6.4	22.81	5.4						-693904	LU 11	-655589	-3611307	0.106	Si
18	30.41	6.4	22.81	5.4						-632489	LU 11	-631379	-3611307	0.106	Si
23	30.41	6.4	22.81	5.4						-619757	LU 11	-619757	-3611307	0.106	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
37	30.41	6.4	21.82	5.4						-574576	LU 11	-619757	-3611315	0.106	Si
55	30.41	6.4	19.93	5.4						-520164	LU 11	-607316	-3611198	0.109	Si
74	30.41	6.4	15.21	5.4	-277524	LU 1	9407	1934685	0.095	-469266	LU 12	-550902	-3610569	0.116	Si
83	30.41	6.4	15.21	5.4	-262608	LU 1	17943	1934685	0.095	-445274	LU 12	-524008	-3610569	0.116	Si
102	30.41	6.4	15.21	5.4	-234795	LU 1	31075	1934685	0.095	-399914	LU 12	-472847	-3610569	0.116	Si
120	30.41	6.4	15.21	5.4	-209676	LU 1	38954	1934685	0.095	-358056	LU 12	-425476	-3610569	0.116	Si
139	30.41	6.4	15.21	5.4	-187251	LU 1	41580	1934685	0.095	-319701	LU 12	-381616	-3610569	0.116	Si
157	30.41	6.4	15.21	5.4	-167520	LU 1	38954	1934685	0.095	-284846	LU 12	-341258	-3610569	0.116	Si
176	30.41	6.4	15.21	5.4	-150482	LU 1	31075	1934685	0.095	-253494	LU 12	-304401	-3610569	0.116	Si
194	30.41	6.4	15.21	5.4	-136138	LU 1	17943	1934685	0.095	-225644	LU 12	-271047	-3610569	0.116	Si
213	34.03	6.3	20.66	5.4						-201295	LU 12	-241194	-4038927	0.113	Si
222	34.9	6.3	21.9	5.4						-190434	LU 12	-227580	-4142065	0.113	Si
240	36.65	6.2	22.81	5.4						-172611	LU 18	-202980	-4348000	0.114	Si
255	38.01	6.2	22.81	5.4						-163108	LU 18	-186207	-4509283	0.116	Si
259	38.01	6.2	22.81	5.4						-160723	LU 18	-160723	-4509283	0.116	Si
277	38.01	6.2	22.81	5.4						-152336	LU 18	-152336	-4509283	0.116	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	3415	LU 11	3415	15031	75718	0	15031	1	Si
18	0	30.41	0	3226	LU 11	3226	15031	75718	0	15031	1	Si
23	0.273	30.41	0	3185	LU 11	3185	15031	75718	31188	31188	1	Si
37	0.273	30.41	0	3037	LU 11	3037	15031	75718	31188	31188	1	Si
55	0.273	30.41	0	2847	LU 11	2847	15031	75718	31188	31188	1	Si
74	0.273	30.41	0	2658	LU 11	2658	15031	75718	31188	31188	1	Si
83	0.273	30.41	0	2563	LU 11	2563	15031	75718	31188	31188	1	Si
102	0.261	30.41	0	2374	LU 11	2374	15031	75718	29838	29838	1	Si
120	0.261	30.41	0	2185	LU 11	2185	15031	75718	29838	29838	1	Si
139	0.261	30.41	0	1995	LU 11	1995	15031	75718	29838	29838	1	Si
157	0.261	30.41	0	1806	LU 11	1806	15031	75718	29838	29838	1	Si
176	0.261	30.41	0	1617	LU 11	1617	15031	75718	29838	29838	1	Si
194	0.259	30.41	0	1427	LU 11	1427	15031	75718	29546	29546	1	Si
213	0.259	30.41	0	1238	LU 11	1238	15043	75844	29596	29596	1	Si
222	0.259	30.41	0	1143	LU 11	1143	15045	75871	29606	29606	1	Si
240	0.259	30.41	0	954	LU 11	954	15050	75920	29625	29625	1	Si
255	0.259	30.41	0	806	LU 11	806	15054	75956	29639	29639	1	Si
259	0	30.41	0	765	LU 11	765	15054	75956	0	15054	1	Si
277	0	34.03	0	575	LU 11	575	15629	75956	0	15629	1	Si
277	0	34.03	0	-15	LU 8	-15	-15629	-75956	0	-15629	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-518749	2	-489869	11	124.5	291.2	1837	-450393	2	-424210	9.5	93.4	0	+∞	Si
18	-472481	2	-471646	10.6	124.5	280.4	1837	-408559	2	-407810	9.1	93.4	0	+∞	Si
23	-462899	2	-462899	10.4	124.5	275.2	1837	-399937	2	-399937	9	93.4	0	+∞	Si
37	-428907	2	-462899	10.4	124.5	275.3	1837	-369419	2	-399937	9	93.4	0	+∞	Si
55	-388026	2	-453534	10.5	124.5	270.5	1837	-332972	2	-391511	9.1	93.4	0	+∞	Si
74	-349847	3	-411114	10	124.5	246.7	1837	-299219	2	-353524	8.6	93.4	0	+∞	Si
83	-331863	3	-390913	9.5	124.5	234.6	1837	-283352	2	-335541	8.2	93.4	0	+∞	Si
102	-297915	3	-352533	8.6	124.5	211.6	1837	-253640	2	-301594	7.4	93.4	0	+∞	Si
120	-266661	3	-317039	7.7	124.5	190.3	1837	-226621	2	-270341	6.6	93.4	0	+∞	Si
139	-238101	3	-284244	6.9	124.5	170.6	1837	-202295	2	-241782	5.9	93.4	0	+∞	Si
157	-212234	3	-254143	6.2	124.5	152.5	1837	-180664	2	-215916	5.3	93.4	0	+∞	Si
176	-189060	3	-226736	5.5	124.5	136.1	1837	-161726	2	-192744	4.7	93.4	0	+∞	Si
194	-168581	3	-202023	4.9	124.5	121.3	1837	-145481	2	-172266	4.2	93.4	0	+∞	Si
213	-150795	3	-180003	4	124.5	96	1837	-131931	2	-154482	3.4	93.4	0	+∞	Si
222	-142912	3	-170003	3.7	124.5	88.3	1837	-126166	2	-146599	3.2	93.4	0	+∞	Si
240	-130016	9	-152024	3.2	124.5	75.2	1837	-116655	2	-132855	2.8	93.4	0	+∞	Si
255	-123147	9	-139861	2.9	124.5	66.7	1837	-111169	2	-124010	2.6	93.4	0	+∞	Si
259	-121435	9	-121435	2.5	124.5	57.9	1837	-109839	2	-109839	2.3	93.4	0	+∞	Si
277	-115547	9	-115547	1.8	124.5	55.1	1837	-105716	2	-105716	2.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
23	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
37	-0.003	-0.004	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
55	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.007	1	-0.008	1	9999	Si
74	-0.004	-0.006	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.008	1	-0.009	1	9999	Si
83	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.009	1	-0.009	1	9999	Si
102	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.009	1	-0.01	1	9999	Si
120	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.01	1	-0.01	1	9999	Si
139	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.009	1	-0.01	1	9999	Si
157	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.009	1	-0.01	1	9999	Si
176	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.008	1	-0.009	1	9999	Si
194	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.007	1	-0.008	1	9999	Si
213	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
222	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
240	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
255	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
259	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Campata 5 tra i fili 61 - 58, sezione R 45x70, asta 805

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	38.01	6.2	22.81	5.4						-1233584	LU 12	-1118972	-4509283	0.116	Si
19	38.01	6.2	22.81	5.4						-1039964	LU 12	-1037561	-4509283	0.116	Si
23	38.01	6.2	22.81	5.4						-1006844	LU 12	-1006844	-4509283	0.116	Si
38	36.52	6.2	22.24	5.4						-850108	LU 12	-1006844	-4332905	0.115	Si
58	34.71	6.3	19.66	5.4						-664014	LU 12	-947671	-4119170	0.116	Si
77	30.41	6.4	15.21	5.4	-289857	LU 1	10388	1934685	0.095	-481684	LU 12	-759635	-3610569	0.116	Si
86	30.41	6.4	15.21	5.4	-235806	LU 1	19560	1934685	0.095	-391929	LU 12	-667028	-3610569	0.116	Si
105	30.41	6.4	15.21	5.4	-129875	LU 1	46183	1934685	0.095	-215243	LU 12	-484636	-3610569	0.116	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
125	30.41	6.4	15.21	5.4	-26839	LU 1	213060	1934685	0.095	-43380	LU 18	-306007	-3610569	0.116	Si
144	30.41	6.4	15.21	5.4	127390	LU 11	376174	1934685	0.095	70981	LU 8	-131141	-3610569	0.116	Si
163	30.41	6.4	15.21	5.4	292447	LU 11	535832	1934685	0.095						Si
182	30.41	6.4	15.21	5.4	453872	LU 12	691761	1934685	0.095						Si
201	30.41	6.4	26.29	7.1	611743	LU 12	843927	3157310	0.112						Si
220	30.41	6.4	27.22	7.6	765852	LU 12	992330	3233678	0.114						Si
230	30.41	6.4	24.64	7.9	841495	LU 12	1065120	2928566	0.111						Si
249	30.41	6.4	31.61	7.3	989959	LU 12	1109705	3747993	0.119						Si
265	30.41	6.4	38.01	7	1109705	LU 12	1109705	4466691	0.135						Si
268	30.41	6.4	38.01	7	1134660	LU 12	1132769	4466691	0.135						Si
288	30.41	6.4	38.01	7	1275599	LU 12	1193894	4466691	0.135						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	33.81	0	10197	LU 12	10197	15595	75956	0	15595	1	Si
10	0	30.41	0	10099	LU 12	10099	15054	75956	0	15054	1	Si
19	0	30.41	0	10001	LU 12	10001	15054	75956	0	15054	1	Si
23	0.302	30.41	0	9967	LU 12	9967	15054	75956	34579	34579	1	Si
38	0.302	30.41	0	9805	LU 12	9805	15050	75917	34561	34561	1	Si
58	0.302	30.41	0	9608	LU 12	9608	15045	75865	34538	34538	1	Si
77	0.302	30.41	0	9412	LU 12	9412	15031	75718	34471	34471	1	Si
86	0.302	30.41	0	9314	LU 12	9314	15031	75718	34471	34471	1	Si
105	0.294	30.41	0	9118	LU 12	9118	15031	75718	33604	33604	1	Si
125	0.294	30.41	0	8921	LU 12	8921	15031	75718	33604	33604	1	Si
144	0.294	15.21	0	8725	LU 12	8725	12021	76908	34132	34132	1	Si
163	0.294	15.21	0	8529	LU 12	8529	12021	76908	34132	34132	1	Si
182	0.294	15.21	0	8333	LU 12	8333	12021	76908	34132	34132	1	Si
201	0.287	15.21	0	8136	LU 12	8136	11867	74900	32475	32475	1	Si
220	0.287	15.21	0	7940	LU 12	7940	11817	74248	32192	32192	1	Si
230	0.287	15.21	0	7842	LU 12	7842	11795	73969	32071	32071	1	Si
249	0.287	15.21	0	7646	LU 12	7646	11845	74618	32352	32352	1	Si
265	0.287	26.29	0	7483	LU 12	7483	14253	75003	32520	32520	1	Si
268	0	26.29	0	7449	LU 12	7449	14253	75003	0	14253	1	Si
288	0	27.22	0	7253	LU 12	7253	14418	75003	0	14418	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-922164	3	-836347	17.5	124.5	398.9	1837	-799849	2	-724744	15.2	93.4	0	+∞	Si
19	-777224	3	-775427	16.2	124.5	369.8	1837	-673165	2	-671602	14.1	93.4	0	+∞	Si
23	-752441	3	-752441	15.8	124.5	358.8	1837	-651551	2	-651551	13.7	93.4	0	+∞	Si
38	-635178	3	-752441	16	124.5	373.5	1837	-549376	2	-651551	13.9	93.4	0	+∞	Si
58	-496027	3	-708163	15.8	124.5	370.8	1837	-428482	2	-612936	13.7	93.4	0	+∞	Si
77	-359770	3	-567517	13.9	124.5	340.6	1837	-310482	2	-490547	12	93.4	0	+∞	Si
86	-292727	3	-498280	12.2	124.5	299.1	1837	-252568	2	-430438	10.5	93.4	0	+∞	Si
105	-160812	3	-361976	8.8	124.5	217.3	1837	-138910	2	-312391	7.6	93.4	0	+∞	Si
125	-32499	9	-228567	5.6	124.5	137.2	1837	-28147	2	-197239	4.8	93.4	0	+∞	Si
144	94700	2	280064	7.3	124.5	313.2	1837	79722	2	237747	6.2	93.4	0	+∞	Si
163	217704	2	398884	10.3	124.5	446.1	1837	184696	2	338332	8.8	93.4	0	+∞	Si
182	337902	3	514832	13.3	124.5	575.7	1837	286775	2	436023	11.3	93.4	0	+∞	Si
201	455344	3	627885	14.1	124.5	440.9	1837	385960	2	530819	11.9	93.4	0	+∞	Si
220	569891	3	738043	16.7	124.5	512.8	1837	482251	2	622720	14.1	93.4	0	+∞	Si
230	626079	3	792037	18.5	124.5	611.1	1837	529310	2	667585	15.6	93.4	0	+∞	Si
249	736285	3	825094	17.7	124.5	490.7	1837	621259	2	694980	14.9	93.4	0	+∞	Si
265	825094	3	825094	16.6	124.5	406.3	1837	694980	2	694980	14	93.4	0	+∞	Si
268	843596	3	842192	17	124.5	414.7	1837	710313	2	709143	14.3	93.4	0	+∞	Si
288	948012	3	887509	17.9	124.5	437	1837	796472	2	746682	15.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
23	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
38	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
58	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
77	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
86	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
105	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
125	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2	0.001	2	9999	Si
144	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
163	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.004	2	9999	Si
182	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.006	2	0.005	2	9999	Si
201	0.005	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.006	2	9999	Si
211	0.005	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.006	2	9999	Si
220	0.005	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.006	2	9999	Si
230	0.005	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.006	2	9999	Si
249	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
265	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.003	2	9999	Si
268	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si

Campata 6 tra i fili 58 - 55, sezione R 45x70, asta 806

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	6.4	38.01	7	318232	LU 12	318232	4466691	0.135						Si
19	30.41	6.4	38.01	7	372884	LU 12	372884	4466691	0.135						Si
23	30.41	6.4	38.01	7	382441	LU 12	457858	4466691	0.135						Si
38	30.41	6.4	36.97	6.9	423840	LU 12	494624	4358382	0.132						Si
57	27.26	6.4	31.86	6.5	471100	LU 12	536230	3810485	0.122						Si
76	21.88	6.3	22.81	5.4	514665	LU 12	574140	2811211	0.106						Si
85	19.2	6.2	22.81	5.4	535062	LU 12	591710	2804103	0.107						Si
104	7.6	5.4	22.81	5.4	573083	LU 12	624076	2772675	0.114						Si
123	7.6	5.4	22.81	5.4	607408	LU 12	652747	2772675	0.114						Si
142	7.6	5.4	22.81	5.4	638038	LU 12	677722	2772675	0.114						Si
161	7.6	5.4	22.81	5.4	664972	LU 12	699002	2772675	0.114						Si
180	7.6	5.4	22.81	5.4	688210	LU 12	716586	2772675	0.114						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
199	15.13	5.9	22.81	5.4	707753	LU 12	730474	2788267	0.106						Si
209	16.92	6	22.81	5.4	716138	LU 12	736032	2791877	0.105						Si
218	18.71	6	26.05	5.6	723599	LU 12	740666	3165842	0.11						Si
228	20.51	6	27.33	5.7	730137	LU 12	744376	3315435	0.111						Si
247	22.81	6.1	29.89	5.9	740440	LU 12	746000	3611986	0.114						Si
262	22.81	6.1	30.41	5.9	746000	LU 12	746000	3670760	0.115						Si
266	22.81	6.1	30.41	5.9	747047	LU 12	746925	3670760	0.115						Si
285	22.81	6.1	30.41	5.9	749959	LU 12	749222	3670760	0.115						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	29.3	0	2974	LU 12	2974	14777	75003	0	14777	1	Si
9	0	22.81	0	2876	LU 12	2876	13593	75003	0	13593	1	Si
19	0	22.81	0	2779	LU 12	2779	13593	75003	0	13593	1	Si
23	0.244	22.81	0	2743	LU 12	2743	13593	75003	27642	27642	1	Si
38	0.244	22.81	0	2585	LU 12	2585	13600	75084	27671	27671	1	Si
57	0.244	22.81	0	2390	LU 12	2390	13642	75556	27845	27845	1	Si
76	0.244	22.81	0	2196	LU 12	2196	13760	76908	28344	28344	1	Si
85	0.244	22.81	0	2098	LU 12	2098	13760	76908	28344	28344	1	Si
104	0.231	22.81	0	1904	LU 12	1904	13760	76908	26843	26843	1	Si
123	0.231	22.81	0	1709	LU 12	1709	13760	76908	26843	26843	1	Si
142	0.231	22.81	0	1515	LU 12	1515	13760	76908	26843	26843	1	Si
161	0.231	22.81	0	1320	LU 12	1320	13760	76908	26843	26843	1	Si
180	0.231	22.81	0	1126	LU 12	1126	13760	76908	26843	26843	1	Si
199	0.23	22.81	0	931	LU 12	931	13760	76908	26676	26676	1	Si
218	0.23	22.81	0	737	LU 12	737	13735	76612	26574	26574	1	Si
228	0.23	22.81	0	640	LU 12	640	13726	76514	26540	26540	1	Si
247	0.23	22.81	0	445	LU 12	445	13711	76344	26481	26481	1	Si
262	0.23	22.81	0	286	LU 12	286	13708	76313	26470	26470	1	Si
266	0	22.81	0	251	LU 12	251	13708	76313	0	13708	1	Si
285	0	26.05	0	91	LU 3	91	14330	76313	0	14330	1	Si
285	0	26.05	0	-150	LU 10	-150	-14330	-76313	0	-14330	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	232051	3	232051	4.7	124.5	114.3	1837	173916	2	173916	3.5	93.4	0	+∞	Si
19	273689	3	273689	5.5	124.5	134.8	1837	213709	2	213709	4.3	93.4	0	+∞	Si
23	280967	3	338365	6.8	124.5	166.6	1837	220647	2	275223	5.6	93.4	0	+∞	Si
38	312485	3	366319	7.4	124.5	184.7	1837	250660	2	301671	6.1	93.4	0	+∞	Si
57	348437	3	397922	8.6	124.5	228	1837	284767	2	331429	7.2	93.4	0	+∞	Si
76	381546	3	426682	10.5	124.5	323.2	1837	316032	2	358344	8.8	93.4	0	+∞	Si
85	397035	3	439995	11.1	124.5	333.9	1837	330598	2	370736	9.3	93.4	0	+∞	Si
104	425880	3	464491	13.3	124.5	356.1	1837	357598	2	393387	11.3	93.4	0	+∞	Si
123	451883	3	486144	13.9	124.5	372.7	1837	381756	2	413195	11.8	93.4	0	+∞	Si
142	475042	3	504954	14.5	124.5	387.1	1837	403071	2	430160	12.3	93.4	0	+∞	Si
161	495358	3	520921	14.9	124.5	399.3	1837	421542	2	444282	12.7	93.4	0	+∞	Si
180	512832	3	534045	15.3	124.5	409.4	1837	437171	2	455561	13.1	93.4	0	+∞	Si
199	527463	3	544326	14.3	124.5	414	1837	449957	2	463997	12.2	93.4	0	+∞	Si
218	539251	3	551764	13.4	124.5	371.8	1837	459900	2	469591	11.4	93.4	0	+∞	Si
228	544079	3	554417	13.1	124.5	357.5	1837	463806	2	471322	11.1	93.4	0	+∞	Si
247	551602	3	555552	12.5	124.5	330	1837	469485	2	471929	10.6	93.4	0	+∞	Si
262	555552	3	555552	11.8	124.5	325	1837	471929	2	471929	10.6	93.4	0	+∞	Si
266	556283	3	556194	12.5	124.5	325.4	1837	472320	2	472258	10.6	93.4	0	+∞	Si
285	558121	3	557792	12.5	124.5	326.3	1837	472313	2	472313	10.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
23	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.005	2	9999	Si
38	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
57	0.007	0.006	0.006	0.005	0.007	0.006	0.005	0.005	0.006	0.006	0.012	2	0.011	2	9999	Si
76	0.009	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.015	2	0.014	2	9999	Si
85	0.01	0.008	0.008	0.007	0.009	0.008	0.007	0.007	0.009	0.008	0.016	2	0.015	2	9999	Si
104	0.011	0.009	0.01	0.007	0.01	0.009	0.008	0.007	0.01	0.009	0.019	2	0.017	2	9999	Si
123	0.012	0.01	0.01	0.008	0.011	0.01	0.009	0.008	0.01	0.01	0.02	2	0.019	2	9999	Si
142	0.013	0.01	0.011	0.008	0.011	0.01	0.01	0.008	0.011	0.01	0.021	2	0.019	2	9999	Si
152	0.013	0.01	0.011	0.008	0.011	0.01	0.01	0.008	0.011	0.01	0.021	2	0.019	2	9999	Si
161	0.013	0.01	0.011	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.021	2	0.019	2	9999	Si
180	0.012	0.01	0.01	0.008	0.011	0.01	0.009	0.008	0.01	0.01	0.02	2	0.019	2	9999	Si
199	0.011	0.009	0.009	0.007	0.01	0.009	0.008	0.007	0.009	0.009	0.018	2	0.017	2	9999	Si
218	0.01	0.008	0.008	0.006	0.009	0.008	0.007	0.006	0.008	0.008	0.016	2	0.014	2	9999	Si
228	0.009	0.007	0.007	0.006	0.008	0.007	0.006	0.006	0.007	0.007	0.014	2	0.013	2	9999	Si
247	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.01	2	0.009	2	9999	Si
262	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.006	2	0.006	2	9999	Si
266	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si

Campata 7 tra i fili 55 - 50, sezione R 45x70, asta 807

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.1	30.41	5.9	1006567	LU 12	951617	3670760	0.115						Si
20	22.81	6.1	30.41	5.9	906148	LU 12	905465	3670760	0.115						Si
23	22.81	6.1	30.41	5.9	894168	LU 12	894168	3670760	0.115						Si
40	22.81	6.1	30.41	5.9	801565	LU 12	894168	3670760	0.115						Si
61	22.81	6.1	28.49	5.8	692820	LU 12	848197	3451911	0.112						Si
81	22.81	6.1	22.81	5.4	579910	LU 12	741289	2803520	0.102						Si
91	22.81	6.1	22.81	5.4	521894	LU 12	686274	2803520	0.102						Si
111	22.81	6.1	22.81	5.4	402739	LU 12	573121	2803520	0.102						Si
131	22.81	6.1	22.81	5.4	279421	LU 12	455804	2803520	0.102						Si
151	22.81	6.1	22.81	5.4	151939	LU 12	334324	2803520	0.102	87089	LU 1	-39670	-2742305	0.096	Si
171	22.81	6.1	22.81	5.4	21622	LU 18	208680	2803520	0.102	11768	LU 1	-176964	-2742305	0.096	Si
192	22.81	6.1	22.81	5.4	-64921	LU 8	78873	2803520	0.102	-115783	LU 11	-318662	-2742305	0.096	Si
212	22.81	6.1	22.81	5.4	-147991	LU 6	22060	2803520	0.102	-255487	LU 12	-464636	-2742305	0.096	Si
232	27.41	6	22.81	5.4	-233409	LU 1	201	2803344	0.099	-399623	LU 12	-614774	-3287136	0.101	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
242	28.84	5.9	22.81	5.4						-473252	LU 12	-691404	-3455671	0.103	Si
262	31.69	5.9	22.81	5.4						-623634	LU 12	-760177	-3792820	0.106	Si
280	34.21	5.8	22.81	5.4						-760177	LU 12	-760177	-4090733	0.11	Si
282	34.21	5.8	22.81	5.4						-778179	LU 12	-777306	-4090733	0.11	Si
303	34.21	5.8	22.81	5.4						-936887	LU 12	-847282	-4090733	0.11	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	28.49	0	-4876	LU 12	-4876	-14763	-76313	0	-14763	1	Si
20	0	22.81	0	-5083	LU 12	-5083	-13708	-76313	0	-13708	1	Si
23	0.259	22.81	0	-5107	LU 12	-5107	-13708	-76313	-29779	-29779	1	Si
40	0.259	22.81	0	-5289	LU 12	-5289	-13708	-76313	-29779	-29779	1	Si
61	0.259	22.81	0	-5496	LU 12	-5496	-13719	-76434	-29826	-29826	1	Si
81	0.259	22.81	0	-5702	LU 12	-5702	-13760	-76908	-30011	-30011	1	Si
91	0.259	22.81	0	-5805	LU 12	-5805	-13760	-76908	-30011	-30011	1	Si
111	0.274	22.81	0	-6012	LU 12	-6012	-13760	-76908	-31785	-31785	1	Si
131	0.274	22.81	0	-6218	LU 12	-6218	-13760	-76908	-31785	-31785	1	Si
151	0.274	22.81	0	-6425	LU 12	-6425	-13760	-76908	-31785	-31785	1	Si
171	0.274	22.81	0	-6631	LU 12	-6631	-13760	-76908	-31785	-31785	1	Si
192	0.274	22.81	0	-6838	LU 12	-6838	-13691	-76115	-31457	-31457	1	Si
212	0.273	22.81	0	-7044	LU 12	-7044	-13691	-76115	-31351	-31351	1	Si
232	0.273	22.81	0	-7250	LU 12	-7250	-13703	-76248	-31406	-31406	1	Si
242	0.273	22.81	0	-7354	LU 12	-7354	-13706	-76281	-31420	-31420	1	Si
262	0.273	22.81	0	-7560	LU 12	-7560	-13711	-76337	-31443	-31443	1	Si
280	0.273	22.81	0	-7743	LU 12	-7743	-13714	-76379	-31460	-31460	1	Si
282	0	22.81	0	-7767	LU 12	-7767	-13714	-76379	0	-13714	1	Si
303	0	28.84	0	-7973	LU 12	-7973	-14830	-76379	0	-14830	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	744365	3	704026	15.8	124.5	411.8	1837	607518	2	575999	12.9	93.4	0	+∞	Si
20	670579	3	670075	15	124.5	392	1837	549543	2	549134	12.3	93.4	0	+∞	Si
23	661764	3	661764	14.8	124.5	387.1	1837	542557	2	542557	12.2	93.4	0	+∞	Si
40	593591	3	661764	14.8	124.5	387.1	1837	488365	2	542557	12.2	93.4	0	+∞	Si
61	513399	3	627934	14.3	124.5	389.4	1837	423985	2	515728	11.7	93.4	0	+∞	Si
81	430005	3	549156	13.3	124.5	415.2	1837	356401	2	452761	10.9	93.4	0	+∞	Si
91	387107	3	508566	12.3	124.5	384.5	1837	321409	2	420077	10.1	93.4	0	+∞	Si
111	298909	3	424985	10.3	124.5	321.4	1837	249021	2	352306	8.5	93.4	0	+∞	Si
131	207508	3	338201	8.2	124.5	255.7	1837	173431	2	281333	6.8	93.4	0	+∞	Si
151	112905	3	248214	6	124.5	187.7	1837	94639	2	207157	5	93.4	0	+∞	Si
171	15984	9	155024	3.7	124.5	117.2	1837	12643	2	129778	3.1	93.4	0	+∞	Si
192	-86090	2	-237191	5.7	124.5	183.2	1837	-72555	2	-201045	4.9	93.4	0	+∞	Si
212	-190122	3	-346019	8.4	124.5	267.3	1837	-160956	2	-294062	7.1	93.4	0	+∞	Si
232	-297537	3	-458050	10.5	124.5	295.4	1837	-252560	2	-390282	8.9	93.4	0	+∞	Si
242	-352445	3	-515267	11.6	124.5	316.2	1837	-299563	2	-439594	9.9	93.4	0	+∞	Si
262	-464663	3	-566637	11.8	124.5	317.2	1837	-395970	2	-483963	10.6	93.4	0	+∞	Si
280	-566637	3	-566637	12.1	124.5	294.4	1837	-483963	2	-483963	10.3	93.4	0	+∞	Si
282	-580085	3	-579435	11.8	124.5	301	1837	-495581	2	-495026	10.6	93.4	0	+∞	Si
303	-698709	3	-631712	13.5	124.5	328.2	1837	-598394	2	-540217	11.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
23	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
40	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
61	0.005	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.006	2	9999	Si
81	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
91	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
111	0.005	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.006	2	9999	Si
131	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
151	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.004	2	0.004	2	9999	Si
171	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
192	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2	0.001	2	9999	Si
212	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
232	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
242	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
262	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
280	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
282	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si

Campata 8 tra i fili 50 - 36C, sezione R 45x70, asta 808

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	34.21	5.8	22.81	5.4						-413450	LU 11	-380383	-4090733	0.11	Si
23	34.21	5.8	22.81	5.4						-349907	LU 11	-349907	-4090733	0.11	Si
45	32.09	5.9	22.81	5.4						-291546	LU 11	-349907	-3840181	0.107	Si
68	29.97	5.9	22.81	5.4						-238369	LU 11	-308209	-3589441	0.104	Si
90	26.61	6	22.81	5.4	-115396	LU 8	16122	2803404	0.099	-190373	LU 11	-253518	-3192033	0.1	Si
101	26.61	6	22.81	5.4	-97685	LU 8	28647	2803404	0.099	-168319	LU 11	-228116	-3192033	0.1	Si
124	26.61	6	22.81	5.4	-65253	LU 8	47866	2803404	0.099	-128099	LU 11	-181199	-3192033	0.1	Si
146	26.61	6	22.81	5.4	-36550	LU 6	59312	2803404	0.099	-93318	LU 12	-139465	-3192033	0.1	Si
169	26.61	6	22.81	5.4	-10509	LU 1	62983	2803404	0.099	-63832	LU 12	-103063	-3192033	0.1	Si
191	26.61	6	22.81	5.4	15027	LU 10	58880	2803404	0.099	-42997	LU 3	-72064	-3192033	0.1	Si
214	26.61	6	22.81	5.4	38532	LU 10	61070	2803404	0.099	-29301	LU 3	-47869	-3192033	0.1	Si
236	32.88	6.4	37.79	6.7	56855	LU 10	72697	4477623	0.131	-19592	LU 3	-33009	-3968531	0.122	Si
248	35	6.6	41.58	6.8	64073	LU 10	76567	4881507	0.141	-16233	LU 3	-27075	-4200388	0.128	Si
270	39.24	6.8	41.81	6.9	74621	LU 10	80419	4914454	0.14	-12504	LU 3	-18195	-4648133	0.135	Si
293	41.81	6.9	41.81	6.9	79987	LU 10	80727	4919348	0.14	-12762	LU 3	-16424	-4919348	0.14	Si
313	41.81	6.9	41.81	6.9	80294	LU 10	80727	4919348	0.14	-16424	LU 3	-16424	-4919348	0.14	Si
315	41.81	6.9	41.81	6.9	80171	LU 10	80101	4919348	0.14	-17006	LU 3	-17006	-4919348	0.14	Si
338	41.81	6.9	41.81	6.9	75171	LU 10	75171	4919348	0.14	-25237	LU 3	-19643	-4919348	0.14	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	29.97	0	3118	LU 10	3118	15021	76379	0	15021	1	Si
11	0	26.61	0	3003	LU 10	3003	14437	76379	0	14437	1	Si
23	0.273	26.61	0	2887	LU 10	2887	14437	76379	31460	31460	1	Si
45	0.273	26.61	0	2657	LU 10	2657	14434	76344	31446	31446	1	Si
68	0.273	26.61	0	2427	LU 10	2427	14430	76304	31429	31429	1	Si
90	0.273	26.61	0	2196	LU 10	2196	14423	76228	31398	31398	1	Si
101	0.268	26.61	0	2081	LU 10	2081	14423	76228	30847	30847	1	Si
124	0.268	26.61	0	1851	LU 10	1851	14423	76228	30847	30847	1	Si
146	0.268	26.61	0	1621	LU 10	1621	14423	76228	30847	30847	1	Si
169	0.268	26.61	0	1390	LU 10	1390	14423	76228	30847	30847	1	Si
191	0.268	22.81	0	1160	LU 10	1160	13760	76908	31122	31122	1	Si
214	0.268	22.81	0	930	LU 10	930	13760	76908	31122	31122	1	Si
236	0.268	22.81	0	699	LU 10	699	13628	75398	30511	30511	1	Si
248	0.273	22.81	0	584	LU 10	584	13610	75189	30970	30970	1	Si
270	0.273	22.81	0	354	LU 10	354	13609	75177	30965	30965	1	Si
293	0.273	34	0	123	LU 10	123	15546	75177	30965	30965	1	Si
293	0.273	34	0	-101	LU 9	-101	-15546	-75177	-30965	-30965	1	Si
313	0.273	41.58	0	-277	LU 18	-277	-16624	-75177	-30965	-30965	1	Si
315	0	41.58	0	-303	LU 18	-303	-16624	-75177	0	-16624	1	Si
338	0	41.81	0	-533	LU 18	-533	-16656	-75177	0	-16656	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-316046	2	-290404	6.2	124.5	150.9	1837	-306980	2	-280401	6	93.4	0	+∞	Si
23	-266755	2	-266755	5.7	124.5	138.6	1837	-255815	2	-255815	5.5	93.4	0	+∞	Si
45	-221450	2	-266755	5.8	124.5	147.5	1837	-208636	2	-255815	5.6	93.4	0	+∞	Si
68	-180132	2	-234388	5.2	124.5	138.5	1837	-165445	2	-222122	4.9	93.4	0	+∞	Si
90	-142801	2	-191906	4.4	124.5	127.4	1837	-126240	2	-177766	4.1	93.4	0	+∞	Si
101	-125631	2	-172160	4	124.5	114.3	1837	-108132	2	-157083	3.6	93.4	0	+∞	Si
124	-94280	2	-135658	3.1	124.5	90.1	1837	-74907	2	-118707	2.7	93.4	0	+∞	Si
146	-67087	3	-103143	1.8	124.5	68.5	1837	-45669	2	-84318	1.9	93.4	0	+∞	Si
169	-43956	3	-74714	1.7	124.5	49.6	1837	-20418	2	-53916	1.2	93.4	0	+∞	Si
191	11559	1	34047	0.8	124.5	25.7	1837	11559	1	34047	0.8	93.4	0	+∞	Si
191	-24812	3	-50419	1.2	124.5	33.5	1837								Si
214	29640	1	46977	1.1	124.5	35.4	1837	29640	1	46977	1.1	93.4	0	+∞	Si
214	-9654	3	-30111	0.7	124.5	20	1837								Si
236	43735	1	55921	1.1	124.5	27.3	1837	43735	1	55921	1.1	93.4	0	+∞	Si
248	49287	1	58897	1.1	124.5	26.4	1837	49287	1	58897	1.1	93.4	0	+∞	Si
270	57401	1	61861	1.1	124.5	27.5	1837	57401	1	61861	1.1	93.4	0	+∞	Si
293	61529	1	62098	1.1	124.5	27.6	1837	61529	1	62098	1.1	93.4	0	+∞	Si
313	61765	1	62098	1.1	124.5	27.6	1837	61765	1	62098	1.1	93.4	0	+∞	Si
315	61670	1	61616	1.1	124.5	27.4	1837	61670	1	61616	1.1	93.4	0	+∞	Si
338	57824	1	57824	1	124.5	25.7	1837	57824	1	57824	1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
45	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.003	1	-0.003	1	9999	Si
68	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
90	-0.002	-0.003	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
101	-0.002	-0.003	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
124	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	1	-0.004	1	9999	Si
146	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
169	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
191	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
214	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	1	-0.002	1	9999	Si
236	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
248	0	-0.001	0	-0.001	0	0	0	-0.001	0	0	0	1	-0.001	1	9999	Si
270	0	-0.001	0	-0.001	0	0	0	0	0	0	0	1	-0.001	1	9999	Si
293	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
313	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
315	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Campata 9 tra i fili 36C - 25D, sezione R 45x70, asta 809

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	41.81	6.9	41.81	6.9	497435	LU 12	469886	4919348	0.14						Si
9	41.81	6.9	41.81	6.9	477584	LU 12	466051	4919348	0.14						Si
18	41.81	6.9	41.81	6.9	456934	LU 12	454543	4919348	0.14						Si
25	41.81	6.9	41.81	6.9	439161	LU 12	439161	4919348	0.14						Si
35	41.81	6.9	41.81	6.9	413237	LU 12	439161	4919348	0.14						Si
40	41.81	6.9	40.77	6.8	401813	LU 12	439161	4809450	0.138						Si
49	41.33	6.8	37.79	6.7	378367	LU 12	439161	4495376	0.133						Si
57	37.99	6.8	34.82	6.5	354122	LU 12	430875	4170572	0.129						Si
66	34.66	6.7	31.85	6.3	329130	LU 11	408460	3845102	0.124						Si
75	31.33	6.7	22.81	5.4	303533	LU 11	385247	2852775	0.109						Si
84	28	6.6	22.81	5.4	277137	LU 11	361234	2839442	0.108						Si
93	24.67	6.5	22.81	5.4	249942	LU 11	336423	2826223	0.108						Si
102	11.4	5.4	22.81	5.4	221948	LU 11	311038	2773209	0.105						Si
106	11.4	5.4	22.81	5.4	207652	LU 11	298056	2773209	0.105						Si
110	11.4	5.4	22.81	5.4	194523	LU 11	286129	2773209	0.105						Si
115	11.4	5.4	22.81	5.4	178460	LU 11	178460	2773209	0.105						Si
124	11.4	5.4	22.81	5.4	148469	LU 11	148469	2773209	0.105						Si
132	11.4	5.4	22.81	5.4	117680	LU 11	117680	2773209	0.105						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	33.33	0	-2202	LU 12	-2202	-15443	-75177	0	-15443	1	Si
9	0	30.36	0	-2293	LU 12	-2293	-14970	-75177	0	-14970	1	Si
18	0	22.81	0	-2383	LU 12	-2383	-13609	-75177	0	-13609	1	Si
25	0.378	22.81	0	-2458	LU 12	-2458	-13609	-75177	-42948	-42948	1	Si
35	0.378	22.81	0	-2564	LU 12	-2564	-13609	-75177	-42948	-42948	1	Si
40	0.378	22.81	0	-2609	LU 12	-2609	-13613	-75230	-42979	-42979	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
49	0.378	22.81	0	-2699	LU 12	-2699	-13628	-75398	-43075	-43075	1	Si
57	0.378	22.81	0	-2790	LU 12	-2790	-13645	-75594	-43187	-43187	1	Si
66	0.378	22.81	0	-2880	LU 12	-2880	-13666	-75827	-43320	-43320	1	Si
75	0.378	22.81	0	-2971	LU 12	-2971	-13760	-76908	-43938	-43938	1	Si
84	0.378	22.81	0	-3061	LU 12	-3061	-13760	-76908	-43938	-43938	1	Si
93	0.378	22.81	0	-3152	LU 12	-3152	-13760	-76908	-43938	-43938	1	Si
102	0.378	22.81	0	-3242	LU 12	-3242	-13760	-76908	-43938	-43938	1	Si
106	0.378	22.81	0	-3287	LU 12	-3287	-13760	-76908	-43938	-43938	1	Si
110	0.378	22.81	0	-3328	LU 12	-3328	-13760	-76908	-43938	-43938	1	Si
115	0	22.81	0	-3378	LU 12	-3378	-13760	-76908	0	-13760	1	Si
124	0	22.81	0	-3468	LU 12	-3468	-13760	-76908	0	-13760	1	Si
132	0	22.81	0	-3559	LU 12	-3559	-13760	-76908	0	-13760	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	373054	3	352682	6.3	124.5	156.9	1837	329068	2	312496	5.6	93.4	0	+∞	Si
9	358363	3	349834	6.3	124.5	155.6	1837	317062	2	310122	5.6	93.4	0	+∞	Si
18	343057	3	341289	6.1	124.5	151.8	1837	304442	2	303000	5.4	93.4	0	+∞	Si
25	329867	3	329867	5.9	124.5	146.7	1837	293480	2	293480	5.3	93.4	0	+∞	Si
35	310603	3	329867	5.9	124.5	146.7	1837	277357	2	293480	5.3	93.4	0	+∞	Si
40	302105	3	329867	6	124.5	150	1837	270202	2	293480	5.3	93.4	0	+∞	Si
49	284649	3	329867	6.1	124.5	160.4	1837	255431	2	293480	5.4	93.4	0	+∞	Si
57	266578	3	323713	6.2	124.5	169.4	1837	240045	2	288343	5.6	93.4	0	+∞	Si
66	247928	2	307050	6.2	124.5	173.9	1837	224045	2	274365	5.6	93.4	0	+∞	Si
75	228792	2	289773	6.5	124.5	218.9	1837	207430	2	259773	5.9	93.4	0	+∞	Si
84	209041	2	271881	6.3	124.5	205.6	1837	190201	2	244566	5.7	93.4	0	+∞	Si
93	188676	2	253374	6.1	124.5	191.8	1837	172357	2	228744	5.5	93.4	0	+∞	Si
102	167697	2	234404	6.4	124.5	178.7	1837	153899	2	212309	5.8	93.4	0	+∞	Si
106	156977	2	224695	6.1	124.5	171.3	1837	144440	2	203860	5.6	93.4	0	+∞	Si
110	147129	2	215771	5.9	124.5	164.5	1837	135734	2	196078	5.3	93.4	0	+∞	Si
115	135076	2	135076	3.7	124.5	103	1837	125060	2	125060	3.4	93.4	0	+∞	Si
124	112560	2	112560	3.1	124.5	85.8	1837	105066	2	105066	2.9	93.4	0	+∞	Si
132	89430	2	89430	1.8	124.5	68.2	1837	84457	2	84457	2.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
9	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
18	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
25	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2	0.001	2	9999	Si
35	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
40	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
49	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
57	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
62	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
66	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
75	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
84	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
93	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
102	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2	0.001	2	9999	Si
106	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2	0.001	2	9999	Si
110	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
115	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
124	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Trave a "Piano 1" 70-72

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 70 - 71, sezione R 45x70, asta 783

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	19.01	5.4						-1047907	LU 12	-898712	-3222510	0.102	Si
23	26.61	5.4	19.01	5.4						-757512	LU 12	-757512	-3222510	0.102	Si
45	26.61	5.4	19.01	5.4						-479318	LU 12	-757512	-3222510	0.102	Si
68	26.24	5.4	19.01	5.4	-145210	LU 1	85902	2322428	0.09	-220158	LU 12	-556131	-3178288	0.102	Si
91	21.96	5.4	19.01	5.4	21492	LU 11	304023	2322603	0.091	5207	LU 8	-292157	-2672727	0.096	Si
102	19.83	5.4	19.01	5.4	135504	LU 12	405960	2322811	0.092	79982	LU 6	-166631	-2419806	0.093	Si
125	11.4	5.4	19.01	5.4	349549	LU 12	595153	2323557	0.097						Si
147	11.4	5.4	19.01	5.4	544331	LU 12	764191	2323557	0.097						Si
170	11.4	5.4	19.01	5.4	719155	LU 12	912378	2323557	0.097						Si
193	11.4	5.4	19.01	5.4	873324	LU 12	1039020	2323557	0.097						Si
215	11.4	5.4	19.01	5.4	1006144	LU 12	1143423	2323557	0.097						Si
238	11.4	5.4	19.01	5.4	1116920	LU 12	1224904	2323557	0.097						Si
261	15.75	5.4	19.01	5.4	1204967	LU 12	1282783	2323101	0.094						Si
272	16.82	5.4	20.53	5.7	1240254	LU 12	1302658	2490980	0.096						Si
295	18.96	5.4	22.05	6	1292930	LU 12	1321242	2659366	0.097						Si
318	19.01	5.4	22.81	6.1	1321242	LU 12	1321242	2742452	0.098						Si
340	19.01	5.4	22.81	6.1	1323994	LU 12	1323994	2742452	0.098						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.24	0	13261	LU 12	13261	14418	76908	0	14418	1	Si
11	0	24.1	0	12906	LU 12	12906	14015	76908	0	14015	1	Si
23	0.201	21.96	0	12551	LU 12	12551	13588	76908	23342	23342	1	Si
45	0.201	17.69	0	11810	LU 12	11810	12643	76908	23342	23342	1	Si
68	0.201	11.4	0	11052	LU 12	11052	10922	76908	23342	23342	1	Si
91	0.201	19.01	0	10264	LU 12	10264	12949	76908	23342	23342	1	Si
102	0.182	19.01	0	9858	LU 12	9858	12949	76908	21083	21083	1	Si
125	0.182	19.01	0	9023	LU 12	9023	12949	76908	21083	21083	1	Si
147	0.182	19.01	0	8158	LU 12	8158	12949	76908	21083	21083	1	Si
170	0.182	19.01	0	7262	LU 12	7262	12949	76908	21083	21083	1	Si
193	0.182	19.01	0	6336	LU 12	6336	12949	76908	21083	21083	1	Si
215	0.182	19.01	0	5379	LU 12	5379	12949	76908	21083	21083	1	Si
238	0.182	19.01	0	4463	LU 18	4463	12949	76908	21083	21083	1	Si
261	0.144	19.01	0	3609	LU 17	3609	12949	76908	16673	16673	1	Si
272	0.144	19.01	0	3227	LU 17	3227	12920	76555	16596	16596	1	Si
295	0.144	19.01	0	2448	LU 17	2448	12895	76250	16530	16530	1	Si
318	0.144	19.01	0	1643	LU 17	1643	12884	76115	16501	16501	1	Si
340	0	20.53	0	759	LU 17	759	13219	76115	0	13219	1	Si
340	0	20.53	0	-697	LU 2	-697	-13219	-76115	0	-13219	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-787816	3	-675840	16	124.5	440.6	1837	-704222	2	-604997	14.4	93.4	0	+∞	Si
23	-569821	3	-569821	13.5	124.5	371.4	1837	-510850	2	-510850	12.1	93.4	0	+∞	Si
45	-360888	3	-569821	13.5	124.5	371.4	1837	-325071	2	-510850	12.1	93.4	0	+∞	Si
68	-166134	3	-418584	10	124.5	276.6	1837	-151364	2	-376411	9	93.4	0	+∞	Si
91	15593	2	228297	5.8	124.5	205.2	1837	11322	2	202820	5.2	93.4	0	+∞	Si
102	101392	3	305118	8	124.5	274.7	1837	88406	2	272336	7.1	93.4	0	+∞	Si
125	262594	3	447850	12.9	124.5	406.5	1837	233799	2	402203	11.6	93.4	0	+∞	Si
147	409479	3	575608	16.6	124.5	521.8	1837	367153	2	519508	15	93.4	0	+∞	Si
170	541535	3	687880	19.9	124.5	624.3	1837	488061	2	623843	18	93.4	0	+∞	Si
193	658249	3	784154	22.7	124.5	711.7	1837	596114	2	714801	20.7	93.4	0	+∞	Si
215	759110	3	863921	25	124.5	784.1	1837	690904	2	791976	22.9	93.4	0	+∞	Si
238	843607	3	926677	26.8	124.5	841	1837	772026	2	854967	24.7	93.4	0	+∞	Si
261	911235	3	971921	26.6	124.5	878.1	1837	839077	2	903375	24.7	93.4	0	+∞	Si
272	938567	3	987819	26.2	124.5	837.2	1837	867201	2	921986	24.5	93.4	0	+∞	Si
295	979950	3	1003279	25.5	124.5	799.9	1837	912397	2	942660	24	93.4	0	+∞	Si
318	1003279	3	1003279	25.3	124.5	777.9	1837	942660	2	942660	23.8	93.4	0	+∞	Si
340	1007620	3	1007620	25.4	124.5	781.2	1837	957002	2	953750	24.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
45	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
68	0.007	0.006	0.006	0.005	0.007	0.006	0.005	0.005	0.006	0.006	0.012	2	0.012	2	9999	Si
91	0.01	0.009	0.008	0.007	0.009	0.009	0.008	0.007	0.009	0.009	0.018	2	0.017	2	9999	Si
102	0.012	0.01	0.01	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.021	2	0.02	2	9999	Si
125	0.015	0.013	0.012	0.01	0.014	0.013	0.011	0.01	0.013	0.013	0.026	2	0.025	2	9999	Si
147	0.017	0.015	0.014	0.012	0.016	0.015	0.013	0.012	0.016	0.015	0.031	2	0.029	2	9999	Si
170	0.019	0.017	0.016	0.014	0.018	0.017	0.015	0.014	0.017	0.017	0.034	2	0.033	2	9953	Si
193	0.02	0.018	0.017	0.015	0.019	0.018	0.016	0.015	0.019	0.018	0.036	2	0.035	2	9358	Si
204	0.021	0.018	0.017	0.015	0.019	0.018	0.016	0.015	0.019	0.018	0.037	2	0.035	2	9241	Si
215	0.021	0.018	0.017	0.015	0.019	0.018	0.016	0.015	0.019	0.018	0.037	2	0.035	2	9241	Si
238	0.02	0.017	0.016	0.014	0.019	0.017	0.015	0.014	0.018	0.017	0.035	2	0.034	2	9642	Si
261	0.018	0.016	0.015	0.013	0.017	0.016	0.014	0.013	0.016	0.016	0.032	2	0.03	2	9999	Si
272	0.016	0.014	0.013	0.012	0.015	0.014	0.013	0.012	0.015	0.014	0.029	2	0.028	2	9999	Si
295	0.012	0.011	0.01	0.009	0.011	0.011	0.009	0.009	0.011	0.011	0.022	2	0.021	2	9999	Si
318	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.012	2	0.012	2	9999	Si

Campata 3 tra i fili 71 - 71A, sezione R 45x70, asta 784

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	22.81	6.1	1106186	LU 18	1095492	2742452	0.098						Si
17	19.01	5.4	22.81	6.1	1083783	LU 18	1082811	2742452	0.098						Si
23	19.01	5.4	22.81	6.1	1073707	LU 18	1073707	2742452	0.098						Si
34	19.01	5.4	22.81	6.1	1048008	LU 18	1073707	2742452	0.098						Si
51	18.37	5.4	22.81	6.1	1003359	LU 12	1073707	2742514	0.098						Si
69	16.76	5.4	22.81	6.1	946792	LU 12	1033964	2742635	0.1						Si
77	15.95	5.4	22.81	6.1	913053	LU 12	1012189	2742698	0.1						Si
94	11.4	5.4	22.81	6.1	834661	LU 12	958436	2742848	0.106						Si
112	11.4	5.4	22.81	6.1	741720	LU 12	890133	2742848	0.106						Si
129	11.4	5.4	22.81	6.1	634229	LU 12	807280	2742848	0.106						Si
146	11.4	5.4	22.81	6.1	514110	LU 11	709878	2742848	0.106						Si
163	11.4	5.4	22.81	6.1	379580	LU 11	598419	2742848	0.106						Si
180	11.4	5.4	22.81	6.1	230500	LU 11	473978	2742848	0.106	130459	LU 8	-79918	-1453554	0.088	Si
197	11.4	5.4	22.81	6.1	66871	LU 11	334987	2742848	0.106	16814	LU 8	-265370	-1453554	0.088	Si
206	11.4	5.4	22.81	6.1	-14422	LU 2	260036	2742848	0.106	-49051	LU 17	-362297	-1453554	0.088	Si
223	11.4	5.4	22.81	6.1	-139361	LU 1	99220	2742848	0.106	-228065	LU 18	-362297	-1453554	0.088	Si
235	11.4	5.4	22.81	6.1						-362297	LU 18	-362297	-1453554	0.088	Si
240	11.4	5.4	22.81	6.1						-424303	LU 18	-416732	-1453554	0.088	Si
257	11.4	5.4	22.81	6.1						-635726	LU 12	-492559	-1453554	0.088	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	93	LU 2	93	13691	76115	0	13691	1	Si
0	0	22.81	0	-1686	LU 17	-1686	-13691	-76115	0	-13691	1	Si
17	0	22.81	0	-2304	LU 17	-2304	-13691	-76115	0	-13691	1	Si
23	0.359	22.81	0	-2497	LU 17	-2497	-13691	-76115	-41252	-41252	1	Si
34	0.359	22.81	0	-2923	LU 17	-2923	-13691	-76115	-41252	-41252	1	Si
51	0.359	22.81	0	-3542	LU 17	-3542	-13691	-76115	-41252	-41252	1	Si
69	0.359	22.81	0	-4161	LU 17	-4161	-13691	-76115	-41252	-41252	1	Si
77	0.359	22.81	0	-4471	LU 17	-4471	-13691	-76115	-41252	-41252	1	Si
94	0.388	22.81	0	-5200	LU 18	-5200	-13691	-76115	-44609	-44609	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
112	0.388	22.81	0	-5979	LU 18	-5979	-13691	-76115	-44609	-44609	1	Si
129	0.388	22.81	0	-6758	LU 18	-6758	-13691	-76115	-44609	-44609	1	Si
146	0.388	22.81	0	-7537	LU 18	-7537	-13691	-76115	-44609	-44609	1	Si
163	0.388	22.81	0	-8381	LU 12	-8381	-13691	-76115	-44609	-44609	1	Si
180	0.431	22.81	0	-9228	LU 12	-9228	-13691	-76115	-49502	-49502	1	Si
197	0.431	22.81	0	-10076	LU 12	-10076	-13691	-76115	-49502	-49502	1	Si
206	0.431	11.4	0	-10499	LU 12	-10499	-10922	-76908	-50018	-50018	1	Si
223	0.431	11.4	0	-11347	LU 12	-11347	-10922	-76908	-50018	-50018	1	Si
235	0.431	11.4	0	-11931	LU 12	-11931	-10922	-76908	-50018	-50018	1	Si
240	0	11.4	0	-12195	LU 12	-12195	-10922	-76908	0	-10922	1	Si
257	0	11.4	0	-13042	LU 12	-13042	-10922	-76908	0	-10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	840905	9	832234	21	124.5	645.3	1837	788172	2	779058	19.7	93.4	0	+∞	Si
17	823121	9	822356	20.8	124.5	637.6	1837	770188	2	769427	19.4	93.4	0	+∞	Si
23	815265	9	815265	20.6	124.5	632.1	1837	762513	2	762513	19.3	93.4	0	+∞	Si
34	795332	9	815265	20.6	124.5	632.1	1837	743246	2	762513	19.3	93.4	0	+∞	Si
51	760538	3	815265	20.7	124.5	632.5	1837	707347	2	762513	19.4	93.4	0	+∞	Si
69	716709	3	784512	20.3	124.5	609.7	1837	662491	2	732926	19	93.4	0	+∞	Si
77	690748	3	767450	20.1	124.5	597	1837	636703	2	714723	18.7	93.4	0	+∞	Si
94	630735	3	725707	20.1	124.5	567.8	1837	578411	2	671599	18.6	93.4	0	+∞	Si
112	559932	3	673175	18.6	124.5	526.7	1837	511161	2	619517	17.2	93.4	0	+∞	Si
129	478339	3	609853	16.9	124.5	477.1	1837	434954	2	558479	15.5	93.4	0	+∞	Si
146	387238	2	535742	14.8	124.5	419.1	1837	349790	2	488483	13.5	93.4	0	+∞	Si
163	285441	2	451170	12.5	124.5	353	1837	255668	2	409529	11.3	93.4	0	+∞	Si
180	172854	2	356854	9.9	124.5	279.2	1837	152589	2	321618	8.9	93.4	0	+∞	Si
197	49478	2	251749	7	124.5	197	1837	40552	2	224750	6.2	93.4	0	+∞	Si
206	-35358	8	-271756	8.3	124.5	401.8	1837	-19926	1	-236267	7.2	93.4	0	+∞	Si
223	-170625	9	-271756	8.3	124.5	401.8	1837	-144298	2	-236267	7.2	93.4	0	+∞	Si
235	-271756	9	-271756	8.3	124.5	401.8	1837	-236267	2	-236267	7.2	93.4	0	+∞	Si
240	-318464	9	-312762	9.6	124.5	463.1	1837	-278727	2	-273546	8.4	93.4	0	+∞	Si
257	-477517	3	-369883	11.3	124.5	547.6	1837	-422115	2	-325476	10	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
23	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
34	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.01	2	0.01	2	9999	Si
51	0.008	0.007	0.007	0.006	0.008	0.007	0.006	0.006	0.007	0.007	0.014	2	0.013	2	9999	Si
69	0.01	0.008	0.008	0.007	0.009	0.008	0.007	0.007	0.009	0.008	0.016	2	0.016	2	9999	Si
77	0.01	0.009	0.008	0.007	0.009	0.009	0.008	0.007	0.009	0.009	0.017	2	0.017	2	9999	Si
94	0.011	0.009	0.008	0.008	0.01	0.009	0.008	0.008	0.01	0.009	0.018	2	0.017	2	9999	Si
103	0.011	0.009	0.009	0.008	0.01	0.009	0.008	0.008	0.01	0.009	0.018	2	0.018	2	9999	Si
112	0.011	0.009	0.008	0.008	0.01	0.009	0.008	0.008	0.01	0.009	0.018	2	0.017	2	9999	Si
129	0.01	0.009	0.008	0.007	0.01	0.009	0.008	0.007	0.009	0.009	0.017	2	0.017	2	9999	Si
146	0.009	0.008	0.007	0.007	0.009	0.008	0.007	0.007	0.009	0.008	0.016	2	0.015	2	9999	Si
163	0.008	0.007	0.006	0.006	0.008	0.007	0.006	0.006	0.007	0.007	0.014	2	0.013	2	9999	Si
180	0.007	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.011	2	0.011	2	9999	Si
197	0.005	0.004	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.009	2	0.008	2	9999	Si
206	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
223	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
235	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
240	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Campata 4 tra i fili 71A - 71B, sezione R 45x70, asta 785

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	22.81	6.1	291353	LU 10	257697	2742848	0.106						Si
14	11.4	5.4	22.81	6.1	246122	LU 10	241191	2742848	0.106						Si
23	11.4	5.4	22.81	6.1	215064	LU 10	215064	2742848	0.106						Si
28	11.4	5.4	22.81	6.1	193825	LU 10	215064	2742848	0.106						Si
42	11.4	5.4	22.28	6	134462	LU 10	215064	2684515	0.105	85897	LU 9	-32904	-1449190	0.087	Si
56	11.4	5.4	21.34	5.8	68033	LU 10	197957	2580632	0.103	33925	LU 9	-118673	-1441401	0.086	Si
63	11.4	5.4	20.86	5.8	32169	LU 10	169429	2528644	0.101	5215	LU 9	-164893	-1437510	0.086	Si
77	11.4	5.4	19.01	5.4	-34506	LU 1	107073	2323557	0.097	-68004	LU 18	-264002	-1422107	0.084	Si
91	11.4	5.4	19.01	5.4	-99194	LU 1	101226	2323557	0.097	-157540	LU 18	-372005	-1422107	0.084	Si
105	11.4	5.4	19.01	5.4	-169316	LU 1	108484	2323557	0.097	-255970	LU 18	-492738	-1422107	0.084	Si
119	11.4	5.4	19.01	5.4	-244874	LU 1	101226	2323557	0.097	-363293	LU 18	-623170	-1422107	0.084	Si
133	11.4	5.4	19.01	5.4	-325867	LU 1	79453	2323557	0.097	-483011	LU 12	-763279	-1422107	0.084	Si
147	15.19	5.4	19.01	5.4	-412295	LU 1	43164	2323178	0.094	-612703	LU 12	-913064	-1870605	0.088	Si
161	16.51	5.4	19.01	5.4						-752072	LU 12	-1042576	-2026968	0.089	Si
168	17.17	5.4	19.01	5.4						-825386	LU 12	-1042576	-2105128	0.09	Si
182	18.49	5.4	19.01	5.4						-979270	LU 12	-1042576	-2261413	0.092	Si
187	19.01	5.4	19.01	5.4						-1042576	LU 12	-1042576	-2322809	0.092	Si
196	19.01	5.4	19.01	5.4						-1142831	LU 12	-1122613	-2322809	0.092	Si
210	19.01	5.4	19.01	5.4						-1316070	LU 12	-1173176	-2322809	0.092	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	20.86	0	-3026	LU 17	-3026	-13291	-76115	0	-13291	1	Si
14	0	19.01	0	-3531	LU 17	-3531	-12884	-76115	0	-12884	1	Si
23	0.305	19.01	0	-3838	LU 17	-3838	-12884	-76115	-35001	-35001	1	Si
28	0.305	19.01	0	-4036	LU 17	-4036	-12884	-76115	-35001	-35001	1	Si
42	0.305	19.01	0	-4541	LU 17	-4541	-12892	-76209	-35045	-35045	1	Si
56	0.305	19.01	0	-5125	LU 18	-5125	-12906	-76388	-35127	-35127	1	Si
63	0.305	19.01	0	-5462	LU 12	-5462	-12914	-76484	-35171	-35171	1	Si
77	0.305	11.4	0	-6153	LU 12	-6153	-10922	-76908	-35366	-35366	1	Si
91	0.305	11.4	0	-6844	LU 12	-6844	-10922	-76908	-35366	-35366	1	Si
105	0.305	11.4	0	-7536	LU 12	-7536	-10922	-76908	-35366	-35366	1	Si
119	0.305	11.4	0	-8227	LU 12	-8227	-10922	-76908	-35366	-35366	1	Si
133	0.305	11.4	0	-8918	LU 12	-8918	-10922	-76908	-35366	-35366	1	Si
147	0.305	11.4	0	-9609	LU 12	-9609	-10922	-76908	-35366	-35366	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
161	0.305	11.4	0	-10301	LU 12	-10301	-10922	-76908	-35366	-35366	1	Si
168	0.305	11.4	0	-10646	LU 12	-10646	-10922	-76908	-35366	-35366	1	Si
182	0.305	11.4	0	-11337	LU 12	-11337	-10922	-76908	-35366	-35366	1	Si
187	0.305	11.4	0	-11609	LU 12	-11609	-10922	-76908	-35366	-35366	1	Si
196	0	11.4	0	-12029	LU 12	-12029	-10922	-76908	0	-10922	1	Si
210	0	15.19	0	-12720	LU 12	-12720	-12017	-76908	0	-12017	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	224118	1	198228	5.5	124.5	155.1	1837	224118	1	198228	5.5	93.4	0	+∞	Si
14	189325	1	185532	5.1	124.5	145.2	1837	189325	1	185532	5.1	93.4	0	+∞	Si
23	165434	1	165434	4.6	124.5	129.4	1837	165434	1	165434	4.6	93.4	0	+∞	Si
28	149096	1	165434	4.6	124.5	129.4	1837	149096	1	165434	4.6	93.4	0	+∞	Si
42	103432	1	165434	4.6	124.5	131.9	1837	103432	1	165434	4.6	93.4	0	+∞	Si
56	52333	1	152275	4.3	124.5	125.8	1837	52333	1	152275	4.3	93.4	0	+∞	Si
63	24746	1	130330	3.7	124.5	109.7	1837	24746	1	130330	3.7	93.4	0	+∞	Si
77	-49937	9	-199333	6.3	124.5	294.6	1837	-36383	2	-180286	5.7	93.4	0	+∞	Si
91	-118252	9	-281465	8.8	124.5	416	1837	-102433	2	-258706	8.1	93.4	0	+∞	Si
105	-193222	9	-372808	11.7	124.5	551	1837	-174441	2	-343084	10.8	93.4	0	+∞	Si
119	-274845	9	-471342	14.8	124.5	696.6	1837	-252406	2	-433419	13.6	93.4	0	+∞	Si
133	-365456	3	-577051	18.1	124.5	852.9	1837	-336328	2	-529712	16.6	93.4	0	+∞	Si
147	-463442	3	-689937	19.6	124.5	771.9	1837	-426208	2	-631963	17.9	93.4	0	+∞	Si
161	-568603	3	-787456	21.7	124.5	812.8	1837	-522046	2	-719889	19.9	93.4	0	+∞	Si
168	-623874	3	-787456	21.4	124.5	782.6	1837	-572199	2	-719889	19.6	93.4	0	+∞	Si
182	-739799	3	-787456	20.9	124.5	728.5	1837	-676973	2	-719889	19.1	93.4	0	+∞	Si
187	-787456	3	-787456	20.7	124.5	709.4	1837	-719889	2	-719889	19	93.4	0	+∞	Si
196	-862901	3	-847700	22.3	124.5	763.6	1837	-787704	2	-774106	20.4	93.4	0	+∞	Si
210	-993178	3	-885759	23.3	124.5	797.9	1837	-904393	2	-808357	21.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
14	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
23	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
28	0	0	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
42	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
56	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
63	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
77	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
91	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
105	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	1	-0.006	1	9999	Si
119	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
133	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
140	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
147	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
161	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
168	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
182	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
187	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
196	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si

Campata 5 tra i fili 71B - 72, sezione R 45x70, asta 786

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4						-979706	LU 12	-859784	-2322809	0.092	Si
20	19.01	5.4	19.01	5.4						-773974	LU 12	-773126	-2322809	0.092	Si
23	19.01	5.4	19.01	5.4						-751913	LU 12	-751913	-2322809	0.092	Si
40	16.48	5.4	19.01	5.4						-588322	LU 12	-751913	-2024162	0.089	Si
60	13.63	5.4	19.01	5.4						-422749	LU 12	-668069	-1686318	0.086	Si
81	7.6	5.4	19.01	5.4	-202660	LU 1	59682	2323876	0.102	-283650	LU 18	-493631	-971525	0.08	Si
91	7.6	5.4	19.01	5.4	-158070	LU 2	107390	2323876	0.102	-225840	LU 17	-413942	-971525	0.08	Si
111	7.6	5.4	19.01	5.4	-64630	LU 2	180217	2323876	0.102	-132963	LU 17	-276431	-971525	0.08	Si
131	7.6	5.4	19.01	5.4	12172	LU 2	223029	2323876	0.102	-54700	LU 17	-172349	-971525	0.08	Si
151	15.16	7.4	19.01	5.4	75907	LU 11	235967	2364014	0.122	5520	LU 8	-87646	-1807216	0.09	Si
171	19.92	7.9	19.01	5.4	130397	LU 11	219030	2368858	0.128	43877	LU 8	-17510	-2332216	0.097	Si
192	24.67	8.2	19.01	5.4	165296	LU 12	181332	2371458	0.131						Si
212	26.61	8.3	27.65	6.7	180995	LU 12	181377	3263611	0.149						Si
232	26.61	8.3	28.58	7.4	176780	LU 12	181377	3323465	0.152						Si
242	26.61	8.3	26.32	7.7	167203	LU 12	181377	3063183	0.149						Si
262	26.61	8.3	15.21	9.4	133113	LU 12	175659	1827937	0.136						Si
275	26.61	8.3	15.21	9.4	100556	LU 12	161530	1827937	0.136						Si
282	26.61	8.3	15.21	9.4	79702	LU 14	79702	1827937	0.136						Si
302	26.61	8.3	15.21	9.4	23991	LU 13	23991	1827937	0.136	-3190	LU 2	-3190	-3011323	0.167	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.63	0	10699	LU 12	10699	11592	76908	0	11592	1	Si
20	0	7.6	0	9704	LU 12	9704	9541	76908	0	9541	1	Si
23	0.302	7.6	0	9589	LU 12	9589	9541	76908	35013	35013	1	Si
40	0.302	7.6	0	8708	LU 12	8708	9541	76908	35013	35013	1	Si
60	0.302	7.6	0	7712	LU 12	7712	9541	76908	35013	35013	1	Si
81	0.302	7.6	0	6717	LU 12	6717	9541	76908	35013	35013	1	Si
91	0.302	15.16	0	6219	LU 12	6219	12010	76908	35013	35013	1	Si
111	0.268	15.06	0	5223	LU 12	5223	11982	76908	31122	31122	1	Si
131	0.268	12.21	0	4235	LU 12	4235	11172	76908	31122	31122	1	Si
151	0.268	19.01	0	3247	LU 12	3247	12949	76908	31122	31122	1	Si
171	0.268	19.01	0	2260	LU 12	2260	12949	76908	31122	31122	1	Si
192	0.268	19.01	0	1355	LU 17	1355	12949	76908	31122	31122	1	Si
212	0.259	15.21	0	634	LU 17	634	11907	75420	29430	29430	1	Si
232	0.259	15.21	0	-755	LU 11	-755	-11841	-74563	-29096	-29096	1	Si
242	0.259	15.21	0	-1248	LU 11	-1248	-11810	-74157	-28937	-28937	1	Si
262	0.259	15.21	0	-2236	LU 11	-2236	-11653	-72146	-28153	-28153	1	Si
275	0.259	15.21	0	-2864	LU 11	-2864	-11653	-72146	-28153	-28153	1	Si
282	0	15.21	0	-3223	LU 11	-3223	-11653	-72146	0	-11653	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
302	0	26.61	0	-4031	LU 11	-4031	-14171	-73507	0	-14171	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-735345	3	-646057	17	124.5	582	1837	-650283	2	-574573	15.1	93.4	0	+∞	Si
20	-582139	3	-581506	15.3	124.5	523.8	1837	-520254	2	-519712	13.7	93.4	0	+∞	Si
23	-565704	3	-565704	14.9	124.5	509.6	1837	-506282	2	-506282	13.3	93.4	0	+∞	Si
40	-443822	3	-565704	15.6	124.5	584.7	1837	-402587	2	-506282	14	93.4	0	+∞	Si
60	-320395	3	-503244	14.8	124.5	625.2	1837	-297282	2	-453171	13.3	93.4	0	+∞	Si
81	-216122	9	-373243	7.7	124.5	125.2	1837	-204338	2	-342409	12.5	93.4	0	+∞	Si
91	-172375	8	-313827	6.5	124.5	105.3	1837	-163610	1	-291663	10.7	93.4	0	+∞	Si
111	-101171	8	-210700	4.3	124.5	70.7	1837	-93968	1	-199442	7.3	93.4	0	+∞	Si
131	-41209	8	-131362	2.7	124.5	44.1	1837	-35568	1	-123469	4.5	93.4	0	+∞	Si
151	52156	2	106552	3	124.5	97.2	1837	23794	2	73858	2.1	93.4	0	+∞	Si
171	93285	2	126913	3.5	124.5	115.8	1837	61342	2	93725	2.6	93.4	0	+∞	Si
192	119860	3	132677	3.5	124.5	121.1	1837	86625	2	101326	2.7	93.4	0	+∞	Si
212	132144	3	132747	3.1	124.5	88.7	1837	99641	2	101550	1.8	93.4	0	+∞	Si
232	129658	3	132747	3.2	124.5	88.5	1837	100392	2	101550	1.8	93.4	0	+∞	Si
242	122877	3	132747	3.3	124.5	97.2	1837	96168	2	101550	2.5	93.4	0	+∞	Si
262	98236	3	128864	4.1	124.5	156.5	1837	78520	2	99898	3.1	93.4	0	+∞	Si
275	74500	3	118794	3.7	124.5	144.2	1837	60599	2	93326	2.9	93.4	0	+∞	Si
282	59223	5	59223	1.9	124.5	71.9	1837	48606	2	48606	1.5	93.4	0	+∞	Si
302	17212	4	17212	0.5	124.5	20.9	1837	9135	1	9135	0.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
40	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
60	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
71	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
81	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
91	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
111	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.004	2	-0.004	2	9999	Si
131	0	-0.001	-0.001	-0.002	0	-0.001	-0.001	-0.002	-0.001	-0.001	-0.003	2	-0.004	2	9999	Si
151	0.001	-0.001	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.002	2	-0.003	2	9999	Si
171	0.001	0	0	-0.001	0	0	0	-0.001	0	0	-0.002	2	-0.002	2	9999	Si
192	0.001	0	0	-0.001	0.001	0	0	0	0.001	0	-0.001	2	-0.001	2	9999	Si
212	0.001	0	0	0	0.001	0	0	0	0.001	0	0	2	-0.001	2	9999	Si
232	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0	2	0	2	9999	Si
242	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0	2	0	2	9999	Si
262	0.001	0	0	0	0.001	0	0	0	0.001	0	0	2	0	2	9999	Si
275	0.001	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
282	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Trave a "Piano 1" 70-73

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 70 - 73, sezione R 45x70, asta 956

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-1071926	LU 11	-985412	-970824	0.078	No
23	7.6	5.4	11.4	5.4						-901337	LU 11	-901337	-970824	0.078	Si
30	7.6	5.4	11.4	5.4						-848423	LU 11	-901337	-970824	0.078	Si
59	7.6	5.4	11.4	5.4						-634631	LU 11	-844719	-970824	0.078	Si
89	7.6	5.4	11.4	5.4						-431060	LU 11	-631099	-970824	0.078	Si
118	7.6	5.4	11.4	5.4	-180612	LU 3	38036	1422093	0.084	-244760	LU 10	-427712	-970824	0.078	Si
133	7.6	5.4	11.4	5.4	-108165	LU 3	73680	1422093	0.084	-160030	LU 10	-330079	-970824	0.078	Si
163	7.6	5.4	11.4	5.4	29654	LU 12	188665	1422093	0.084	928	LU 1	-157220	-970824	0.078	Si
192	7.6	5.4	11.4	5.4	191377	LU 12	336778	1422093	0.084						Si
222	7.6	5.4	11.4	5.4	339250	LU 12	470227	1422093	0.084						Si
251	7.6	5.4	11.4	5.4	472444	LU 12	588187	1422093	0.084						Si
281	7.6	5.4	11.4	5.4	590134	LU 12	689829	1422093	0.084						Si
311	7.6	5.4	11.4	5.4	691493	LU 12	774316	1422093	0.084						Si
340	7.6	5.4	11.4	5.4	775683	LU 12	840804	1422093	0.084						Si
355	7.6	5.4	11.4	5.4	811075	LU 12	867035	1422093	0.084						Si
384	7.6	5.4	11.4	5.4	867928	LU 12	904941	1422093	0.084						Si
414	7.6	5.4	11.4	5.4	905500	LU 12	910904	1422093	0.084						Si
421	7.6	5.4	11.4	5.4	910904	LU 12	910904	1422093	0.084						Si
444	7.6	5.4	11.4	5.4	924933	LU 18	919571	1422093	0.084						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	7717	LU 12	7717	9541	76908	0	9541	1	Si
23	0.158	7.6	0	7477	LU 12	7477	9541	76908	18340	18340	1	Si
30	0.158	7.6	0	7400	LU 12	7400	9541	76908	18340	18340	1	Si
59	0.158	7.6	0	7063	LU 12	7063	9541	76908	18340	18340	1	Si
89	0.158	7.6	0	6706	LU 12	6706	9541	76908	18340	18340	1	Si
118	0.144	7.6	0	6322	LU 12	6322	9541	76908	16695	16695	1	Si
133	0.144	7.6	0	6119	LU 12	6119	9541	76908	16695	16695	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
163	0.144	11.4	0	5693	LU 12	5693	10922	76908	16695	16695	1	Si
192	0.144	11.4	0	5238	LU 12	5238	10922	76908	16695	16695	1	Si
222	0.144	11.4	0	4756	LU 12	4756	10922	76908	16695	16695	1	Si
251	0.144	11.4	0	4246	LU 12	4246	10922	76908	16695	16695	1	Si
281	0.144	11.4	0	3708	LU 12	3708	10922	76908	16695	16695	1	Si
311	0.144	11.4	0	3164	LU 18	3164	10922	76908	16695	16695	1	Si
340	0.144	11.4	0	2636	LU 17	2636	10922	76908	16695	16695	1	Si
355	0.115	11.4	0	2382	LU 17	2382	10922	76908	13338	13338	1	Si
384	0.115	11.4	0	1859	LU 17	1859	10922	76908	13338	13338	1	Si
414	0.115	11.4	0	1317	LU 17	1317	10922	76908	13338	13338	1	Si
421	0.115	11.4	0	1184	LU 17	1184	10922	76908	13338	13338	1	Si
444	0	11.4	0	755	LU 17	755	10922	76908	0	10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-818477	2	-752604	16.9	124.5	261	1837	-790804	2	-728010	29.2	93.4	0	+∞	Si
23	-688601	2	-688601	15.5	124.5	238.8	1837	-667056	2	-667056	26.8	93.4	0	+∞	Si
30	-648320	2	-688601	15.5	124.5	238.8	1837	-628693	2	-667056	26.8	93.4	0	+∞	Si
59	-485594	2	-645500	14.5	124.5	223.8	1837	-473836	2	-626009	25.1	93.4	0	+∞	Si
89	-330664	2	-482906	10.9	124.5	167.5	1837	-326477	2	-471279	18.9	93.4	0	+∞	Si
118	-188277	1	-328116	7.4	124.5	113.8	1837	-188277	1	-324054	13	93.4	0	+∞	Si
133	-123100	1	-253811	5.7	124.5	88	1837	-123100	1	-253374	10.2	93.4	0	+∞	Si
163	19893	3	141006	5.1	124.5	209.9	1837	6312	2	121928	4.4	93.4	0	+∞	Si
192	143072	3	253901	9.2	124.5	378	1837	123902	2	230078	8.4	93.4	0	+∞	Si
222	255786	3	355732	12.9	124.5	529.7	1837	231886	2	328142	11.9	93.4	0	+∞	Si
251	357424	3	445889	16.2	124.5	663.9	1837	329775	2	415630	15.1	93.4	0	+∞	Si
281	447378	3	523762	19	124.5	779.8	1837	417079	2	492053	17.9	93.4	0	+∞	Si
311	525038	3	588733	21.4	124.5	876.6	1837	493310	2	556915	20.2	93.4	0	+∞	Si
340	589786	3	640181	23.2	124.5	953.2	1837	557972	2	609715	22.1	93.4	0	+∞	Si
355	617123	3	660638	24	124.5	983.6	1837	585807	2	631437	22.9	93.4	0	+∞	Si
384	661335	3	690633	25.1	124.5	1028.3	1837	632177	2	665209	24.2	93.4	0	+∞	Si
414	691079	3	695506	25.3	124.5	1035.5	1837	665728	2	671380	24.4	93.4	0	+∞	Si
421	695506	3	695506	25.3	124.5	1035.5	1837	671380	2	671380	24.4	93.4	0	+∞	Si
444	707055	9	702601	25.5	124.5	1046.1	1837	685960	2	680417	24.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
30	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
59	0	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.002	2	-0.002	2	9999	Si
89	0.002	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
118	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
133	0.006	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.009	2	9999	Si
163	0.009	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.016	2	0.015	2	9999	Si
192	0.012	0.01	0.01	0.008	0.011	0.01	0.009	0.008	0.01	0.01	0.023	2	0.022	2	9999	Si
222	0.014	0.012	0.012	0.011	0.013	0.012	0.011	0.011	0.013	0.012	0.029	2	0.027	2	9999	Si
251	0.016	0.014	0.014	0.012	0.015	0.014	0.013	0.012	0.015	0.014	0.033	2	0.032	2	9999	Si
281	0.017	0.015	0.015	0.013	0.016	0.015	0.014	0.013	0.016	0.015	0.036	2	0.035	2	9999	Si
296	0.017	0.016	0.015	0.014	0.016	0.016	0.015	0.014	0.016	0.016	0.036	2	0.035	2	9999	Si
311	0.017	0.016	0.015	0.014	0.016	0.016	0.014	0.014	0.016	0.016	0.036	2	0.035	2	9999	Si
340	0.016	0.014	0.014	0.013	0.015	0.014	0.014	0.013	0.015	0.014	0.034	2	0.033	2	9999	Si
355	0.015	0.013	0.013	0.012	0.014	0.013	0.013	0.012	0.014	0.013	0.032	2	0.031	2	9999	Si
384	0.012	0.01	0.01	0.009	0.011	0.01	0.01	0.009	0.011	0.01	0.025	2	0.024	2	9999	Si
414	0.006	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.014	2	9999	Si
421	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si

Trave a "Piano 1" 73-74

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 73 - 73A, sezione R 45x70, asta 955

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	7.8	11.4	5.4	325944	LU 17	325944	1515703	0.114						Si
17	19.01	7.8	11.4	5.4	364222	LU 17	364222	1515703	0.114						Si
23	19.01	7.8	11.4	5.4	373510	LU 17	445187	1515703	0.114						Si
34	19.01	7.8	11.4	5.4	406634	LU 18	467425	1515703	0.114						Si
52	19.01	7.8	11.4	5.4	445046	LU 12	486720	1515703	0.114						Si
69	19.01	7.8	11.4	5.4	475536	LU 12	491001	1515703	0.114						Si
77	19.01	7.8	11.4	5.4	484726	LU 12	491001	1515703	0.114						Si
94	19.01	7.8	11.4	5.4	491001	LU 12	491001	1515703	0.114						Si
112	19.01	7.8	11.4	5.4	481135	LU 12	491001	1515703	0.114						Si
129	19.01	7.8	11.4	5.4	455130	LU 12	489213	1515703	0.114						Si
146	19.01	7.8	11.4	5.4	412989	LU 12	474399	1515703	0.114						Si
163	19.01	7.8	11.4	5.4	355457	LU 11	443446	1515703	0.114						Si
180	19.01	7.8	11.4	5.4	281948	LU 11	396479	1515703	0.114						Si
197	19.01	7.8	11.4	5.4	192310	LU 11	334156	1515703	0.114	64812	LU 4	-73303	-2232472	0.101	Si
206	19.01	7.8	11.4	5.4	141445	LU 11	296945	1515703	0.114	31109	LU 4	-125850	-2232472	0.101	Si
223	19.01	7.8	11.4	5.4	38117	LU 2	210425	1515703	0.114	-53223	LU 13	-125850	-2232472	0.101	Si
235	19.01	7.8	11.4	5.4	-33713	LU 2	141860	1515703	0.114	-125850	LU 13	-125850	-2232472	0.101	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
240	19.01	7.8	11.4	5.4						-159840	LU 13	-155626	-2232472	0.101	Si
258	19.01	7.8	11.4	5.4						-277612	LU 13	-197104	-2232472	0.101	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	5121	LU 11	5121	10922	76908	0	10922	1	Si
17	0	11.4	0	4180	LU 11	4180	10922	76908	0	10922	1	Si
23	0.187	11.4	0	3888	LU 11	3888	10922	76908	21675	21675	1	Si
34	0.187	11.4	0	3239	LU 11	3239	10922	76908	21675	21675	1	Si
52	0.187	11.4	0	2299	LU 11	2299	10922	76908	21675	21675	1	Si
69	0.187	11.4	0	1358	LU 11	1358	10922	76908	21675	21675	1	Si
69	0.187	11.4	0	-66	LU 8	-66	-10922	-76908	-21675	-21675	1	Si
77	0.187	11.4	0	946	LU 2	946	10922	76908	21675	21675	1	Si
77	0.187	11.4	0	-374	LU 17	-374	-10922	-76908	-21675	-21675	1	Si
94	0.18	11.4	0	156	LU 2	156	10922	76908	20927	20927	1	Si
94	0.18	11.4	0	-1025	LU 17	-1025	-10922	-76908	-20927	-20927	1	Si
112	0.18	11.4	0	-1676	LU 17	-1676	-10922	-76908	-20927	-20927	1	Si
129	0.18	11.4	0	-2327	LU 17	-2327	-10922	-76908	-20927	-20927	1	Si
146	0.18	11.4	0	-2991	LU 18	-2991	-10922	-76908	-20927	-20927	1	Si
163	0.18	11.4	0	-3865	LU 12	-3865	-10922	-76908	-20927	-20927	1	Si
180	0.201	11.4	0	-4804	LU 12	-4804	-10922	-76908	-23342	-23342	1	Si
197	0.201	11.4	0	-5744	LU 12	-5744	-10922	-76908	-23342	-23342	1	Si
206	0.201	11.4	0	-6213	LU 12	-6213	-10922	-76908	-23342	-23342	1	Si
223	0.201	11.4	0	-7151	LU 12	-7151	-10922	-76908	-23342	-23342	1	Si
235	0.201	19.01	0	-7798	LU 12	-7798	-12713	-74051	-22475	-22475	1	Si
240	0	19.01	0	-8089	LU 12	-8089	-12713	-74051	0	-12713	1	Si
258	0	19.01	0	-9027	LU 12	-9027	-12713	-74051	0	-12713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	248158	8	248158	8.3	124.5	371.1	1837	231470	1	231470	7.7	93.4	0	+∞	Si
17	277821	8	277821	9.3	124.5	415.4	1837	262549	1	262549	8.7	93.4	0	+∞	Si
23	285033	8	336650	11.2	124.5	503.4	1837	270201	1	309236	10.3	93.4	0	+∞	Si
34	309094	9	352048	11.7	124.5	526.4	1837	289404	2	316986	10.6	93.4	0	+∞	Si
52	336552	3	364822	12.2	124.5	545.5	1837	309185	2	320874	10.7	93.4	0	+∞	Si
69	357584	3	366802	12.2	124.5	548.5	1837	319375	2	320874	10.7	93.4	0	+∞	Si
77	363634	3	366802	12.2	124.5	548.5	1837	320874	2	320874	10.7	93.4	0	+∞	Si
94	366802	3	366802	12.2	124.5	548.5	1837	316679	2	320874	10.7	93.4	0	+∞	Si
112	358065	3	366802	12.2	124.5	548.5	1837	302896	2	320323	10.7	93.4	0	+∞	Si
129	337422	3	365036	12.2	124.5	545.8	1837	279525	2	313188	10.4	93.4	0	+∞	Si
146	304875	3	352648	11.7	124.5	527.3	1837	246568	2	296465	9.9	93.4	0	+∞	Si
163	260924	2	328355	10.9	124.5	491	1837	204025	2	270155	9	93.4	0	+∞	Si
180	205174	2	292241	9.7	124.5	437	1837	151898	2	234259	7.8	93.4	0	+∞	Si
197	137526	2	244743	8.2	124.5	366	1837	90186	2	188777	6.3	93.4	0	+∞	Si
206	99242	2	216531	7.2	124.5	323.8	1837	55738	2	162442	5.4	93.4	0	+∞	Si
223	13760	2	151184	5	124.5	226.1	1837								Si
223	-40142	4	-95882	2.9	124.5	95.6	1837	-34954	1	-89868	2.8	93.4	0	+∞	Si
235	-95882	4	-95882	2.9	124.5	95.6	1837	-89868	1	-89868	2.8	93.4	0	+∞	Si
240	-121971	4	-118737	3.6	124.5	118.4	1837	-115584	1	-112394	3.4	93.4	0	+∞	Si
258	-212380	4	-150573	4.6	124.5	150.1	1837	-204795	1	-143772	4.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
23	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
34	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
52	0.005	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
69	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.009	2	9999	Si
77	0.006	0.005	0.005	0.004	0.006	0.005	0.004	0.004	0.005	0.005	0.01	2	0.01	2	9999	Si
94	0.007	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.011	2	0.01	2	9999	Si
112	0.007	0.005	0.006	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.011	2	0.01	2	9999	Si
129	0.007	0.005	0.006	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.011	2	0.01	2	9999	Si
146	0.007	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.011	2	0.01	2	9999	Si
163	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.009	2	0.009	2	9999	Si
180	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
197	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
206	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
223	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
235	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
240	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si

Campata 3 tra i fili 73A - 73B, sezione R 45x70, asta 954

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	7.8	11.4	5.4						-104075	LU 10	-69608	-2232472	0.101	Si
14	19.01	7.8	11.4	5.4	16394	LU 2	16394	1515703	0.114	-64765	LU 13	-60081	-2232472	0.101	Si
23	19.01	7.8	11.4	5.4	40049	LU 2	97413	1515703	0.114	-45167	LU 13	-45167	-2232472	0.101	Si
28	19.01	7.8	11.4	5.4	53900	LU 2	105173	1515703	0.114	-33687	LU 13	-45167	-2232472	0.101	Si
42	19.01	7.8	11.4	5.4	82413	LU 2	117123	1515703	0.114	-10027	LU 13	-45167	-2232472	0.101	Si
56	19.01	7.8	11.4	5.4	103993	LU 11	119130	1515703	0.114	4155	LU 4	-35920	-2232472	0.101	Si
63	19.01	7.8	11.4	5.4	111715	LU 11	119130	1515703	0.114	8161	LU 4	-22880	-2232472	0.101	Si
77	19.01	7.8	11.4	5.4	119130	LU 11	119130	1515703	0.114	11891	LU 4	-2362	-2232472	0.101	Si
91	19.01	7.8	11.4	5.4	115841	LU 11	119130	1515703	0.114	9915	LU 4	-14240	-2232472	0.101	Si
105	19.01	7.8	11.4	5.4	101847	LU 11	120004	1515703	0.114	2232	LU 4	-39367	-2232472	0.101	Si
119	19.01	7.8	11.4	5.4	78495	LU 2	116297	1515703	0.114	-12504	LU 13	-71913	-2232472	0.101	Si
133	19.01	7.8	11.4	5.4	48557	LU 2	103121	1515703	0.114	-37065	LU 13	-112838	-2232472	0.101	Si
147	19.01	7.8	11.4	5.4	9626	LU 2	80268	1515703	0.114	-69044	LU 13	-161538	-2232472	0.101	Si
161	19.01	7.8	11.4	5.4	-38298	LU 2	51017	1515703	0.114	-109301	LU 17	-210851	-2232472	0.101	Si
168	19.01	7.8	11.4	5.4	-65632	LU 2	33019	1515703	0.114	-132440	LU 17	-210851	-2232472	0.101	Si
182	19.01	7.8	11.4	5.4						-184283	LU 17	-210851	-2232472	0.101	Si
188	19.01	7.8	11.4	5.4						-210851	LU 18	-210851	-2232472	0.101	Si
196	19.01	7.8	11.4	5.4						-259053	LU 18	-248661	-2232472	0.101	Si
210	19.01	7.8	11.4	5.4						-350510	LU 12	-272547	-2232472	0.101	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	4353	LU 11	4353	12713	74051	0	12713	1	Si
14	0	11.4	0	3588	LU 11	3588	10922	76908	0	10922	1	Si
23	0.244	11.4	0	3124	LU 11	3124	10922	76908	28293	28293	1	Si
28	0.244	11.4	0	2823	LU 11	2823	10922	76908	28293	28293	1	Si
42	0.244	11.4	0	2059	LU 11	2059	10922	76908	28293	28293	1	Si
56	0.244	11.4	0	1294	LU 11	1294	10922	76908	28293	28293	1	Si
63	0.244	11.4	0	912	LU 11	912	10922	76908	28293	28293	1	Si
77	0.244	11.4	0	163	LU 10	163	10922	76908	28293	28293	1	Si
77	0.244	11.4	0	-43	LU 9	-43	-10922	-76908	-28293	-28293	1	Si
91	0.244	11.4	0	-699	LU 18	-699	-10922	-76908	-28293	-28293	1	Si
105	0.244	11.4	0	-1413	LU 12	-1413	-10922	-76908	-28293	-28293	1	Si
119	0.244	11.4	0	-2178	LU 12	-2178	-10922	-76908	-28293	-28293	1	Si
133	0.244	11.4	0	-2943	LU 12	-2943	-10922	-76908	-28293	-28293	1	Si
147	0.244	19.01	0	-3707	LU 12	-3707	-12713	-74051	-27242	-27242	1	Si
161	0.244	19.01	0	-4472	LU 12	-4472	-12713	-74051	-27242	-27242	1	Si
168	0.244	19.01	0	-4854	LU 12	-4854	-12713	-74051	-27242	-27242	1	Si
182	0.244	19.01	0	-5619	LU 12	-5619	-12713	-74051	-27242	-27242	1	Si
188	0.244	19.01	0	-5919	LU 12	-5919	-12713	-74051	-27242	-27242	1	Si
196	0	19.01	0	-6383	LU 12	-6383	-12713	-74051	0	-12713	1	Si
210	0	19.01	0	-7148	LU 12	-7148	-12713	-74051	0	-12713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-80057	1	-53545	1.6	124.5	53.4	1837	-80057	1	-53545	1.6	93.4	0	+∞	Si
14	-49812	4	-46199	1.4	124.5	46.1	1837	-49768	1	-46087	1.4	93.4	0	+∞	Si
23	15272	2	65361	2.2	124.5	97.7	1837								Si
23	-34683	4	-34683	1.1	124.5	34.6	1837	-34282	1	-34282	1.1	93.4	0	+∞	Si
28	27539	2	71121	1.8	124.5	106.3	1837								Si
28	-25816	4	-34683	1.1	124.5	34.6	1837	-25184	1	-34282	1.1	93.4	0	+∞	Si
42	52840	2	80024	2.7	124.5	119.7	1837	11437	2	34206	1.1	93.4	0	+∞	Si
42	-7526	4	-34683	1.1	124.5	34.6	1837	-6308	1	-34282	1.1	93.4	0	+∞	Si
56	70244	2	81542	2.7	124.5	121.9	1837	25877	2	35666	1.2	93.4	0	+∞	Si
63	75984	2	81542	2.7	124.5	121.9	1837	30711	2	35666	1.2	93.4	0	+∞	Si
77	81542	2	81542	2.7	124.5	121.9	1837	35605	2	35666	1.2	93.4	0	+∞	Si
91	79203	2	81542	2.7	124.5	121.9	1837	34136	2	35666	1.2	93.4	0	+∞	Si
105	68967	2	81542	2.7	124.5	121.9	1837	26303	2	35666	1.2	93.4	0	+∞	Si
119	50833	2	79533	2.6	124.5	118.9	1837	12107	2	34370	1.1	93.4	0	+∞	Si
119	-8935	4	-54447	1.7	124.5	54.3	1837	-4490	1	-48784	1.5	93.4	0	+∞	Si
133	24802	2	69900	2.3	124.5	104.5	1837								Si
133	-27737	4	-85738	2.6	124.5	85.5	1837	-22706	1	-78849	1.8	93.4	0	+∞	Si
147	-52246	4	-122975	3.8	124.5	122.6	1837	-46628	1	-114620	3.5	93.4	0	+∞	Si
161	-83035	8	-160312	4.9	124.5	159.8	1837	-76257	1	-149232	4.6	93.4	0	+∞	Si
168	-100722	8	-160312	4.9	124.5	159.8	1837	-93212	1	-149232	4.6	93.4	0	+∞	Si
182	-140376	8	-160312	4.9	124.5	159.8	1837	-131400	1	-149232	4.6	93.4	0	+∞	Si
188	-160312	9	-160312	4.9	124.5	159.8	1837	-149232	2	-149232	4.6	93.4	0	+∞	Si
196	-196074	9	-188361	5.8	124.5	187.8	1837	-179726	2	-173124	5.3	93.4	0	+∞	Si
210	-263660	3	-206080	6.3	124.5	205.5	1837	-235287	2	-188217	5.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
14	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
28	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
42	0.001	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
56	0.001	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
63	0.001	0	0	0	0.001	0	0	0	0	0	0	2	0	2	9999	Si
77	0.001	0	0	0	0.001	0	0	0	0	0	0	2	0	2	9999	Si
91	0.001	0	0	0	0.001	0	0	0	0	0	0	2	-0.001	2	9999	Si
105	0.001	0	0	0	0.001	0	0	0	0	0	0	2	-0.001	2	9999	Si
119	0.001	0	0	0	0	0	0	0	0	0	0	2	-0.001	2	9999	Si
133	0.001	0	0	0	0	0	0	0	0	0	0	2	-0.001	2	9999	Si
147	0.001	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
161	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
168	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
182	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
188	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
196	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Campata 4 tra i fili 73B - 74, sezione R 45x70, asta 953

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	7.8	11.4	5.4						-218024	LU 13	-196949	-2232472	0.101	Si
8	19.01	7.8	11.4	5.4						-205038	LU 13	-195672	-2232472	0.101	Si
15	19.01	7.8	11.4	5.4						-194182	LU 13	-191840	-2232472	0.101	Si
23	19.01	7.8	11.4	5.4						-185454	LU 13	-194293	-2232472	0.101	Si
30	19.01	7.8	11.4	5.4	-124268	LU 2	562	1515703	0.114	-178856	LU 13	-208772	-2232472	0.101	Si
34	19.01	7.8	11.4	5.4	-127594	LU 2	7657	1515703	0.114	-177088	LU 17	-217456	-2232472	0.101	Si
41	19.01	7.8	11.4	5.4	-127783	LU 1	18390	1515703	0.114	-181288	LU 18	-237127	-2232472	0.101	Si
49	19.01	7.8	11.4	5.4	-126909	LU 1	24514	1515703	0.114	-190168	LU 18	-259871	-2232472	0.101	Si
56	19.01	7.8	11.4	5.4	-127673	LU 1	26031	1515703	0.114	-202676	LU 12	-284536	-2232472	0.101	Si
64	19.01	7.8	11.4	5.4	-130075	LU 1	22939	1515703	0.114	-219657	LU 12	-284536	-2232472	0.101	Si
71	19.01	7.8	11.4	5.4	-134114	LU 1	15239	1515703	0.114	-239709	LU 12	-284536	-2232472	0.101	Si
79	19.01	7.8	11.4	5.4	-139791	LU 1	2932	1515703	0.114	-262834	LU 12	-284536	-2232472	0.101	Si
85	19.01	7.8	11.4	5.4						-284536	LU 12	-284536	-2232472	0.101	Si
90	19.01	7.8	11.4	5.4						-303281	LU 12	-301034	-2232472	0.101	Si
98	19.01	7.8	11.4	5.4						-334086	LU 12	-319593	-2232472	0.101	Si
105	19.01	7.8	11.4	5.4						-367963	LU 12	-330729	-2232472	0.101	Si
113	19.01	7.8	11.4	5.4						-404594	LU 12	-334441	-2232472	0.101	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	1873	LU 13	1873	12713	74051	0	12713	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
8	0	19.01	0	1589	LU 13	1589	12713	74051	0	12713	1	Si
15	0	19.01	0	1306	LU 13	1306	12713	74051	0	12713	1	Si
15	0	19.01	0	-113	LU 2	-113	-12713	-74051	0	-12713	1	Si
23	0.386	19.01	0	1022	LU 13	1022	12713	74051	43151	43151	1	Si
23	0.386	19.01	0	-457	LU 2	-457	-12713	-74051	-43151	-43151	1	Si
30	0.386	19.01	0	738	LU 13	738	12713	74051	43151	43151	1	Si
30	0.386	19.01	0	-801	LU 2	-801	-12713	-74051	-43151	-43151	1	Si
34	0.386	19.01	0	596	LU 13	596	12713	74051	43151	43151	1	Si
34	0.386	19.01	0	-973	LU 2	-973	-12713	-74051	-43151	-43151	1	Si
41	0.386	19.01	0	312	LU 13	312	12713	74051	43151	43151	1	Si
41	0.386	19.01	0	-1317	LU 2	-1317	-12713	-74051	-43151	-43151	1	Si
49	0.386	19.01	0	28	LU 13	28	12713	74051	43151	43151	1	Si
49	0.386	19.01	0	-1661	LU 2	-1661	-12713	-74051	-43151	-43151	1	Si
56	0.386	19.01	0	-2069	LU 11	-2069	-12713	-74051	-43151	-43151	1	Si
64	0.386	19.01	0	-2478	LU 11	-2478	-12713	-74051	-43151	-43151	1	Si
71	0.386	19.01	0	-2888	LU 11	-2888	-12713	-74051	-43151	-43151	1	Si
79	0.386	19.01	0	-3297	LU 11	-3297	-12713	-74051	-43151	-43151	1	Si
85	0.386	19.01	0	-3639	LU 11	-3639	-12713	-74051	-43151	-43151	1	Si
90	0	19.01	0	-3912	LU 11	-3912	-12713	-74051	0	-12713	1	Si
98	0	19.01	0	-4321	LU 11	-4321	-12713	-74051	0	-12713	1	Si
105	0	19.01	0	-4731	LU 11	-4731	-12713	-74051	0	-12713	1	Si
113	0	19.01	0	-5013	LU 11	-5013	-12713	-74051	0	-12713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-166931	4	-150741	4.6	124.5	150.3	1837	-161865	1	-145814	4.5	93.4	0	+∞	Si
8	-156957	4	-149761	4.6	124.5	149.3	1837	-151983	1	-144850	4.4	93.4	0	+∞	Si
15	-148620	4	-146821	4.5	124.5	146.4	1837	-143740	1	-141956	4.4	93.4	0	+∞	Si
23	-141921	4	-146468	4.5	124.5	146	1837	-137134	1	-137134	4.2	93.4	0	+∞	Si
30	-136859	4	-156304	4.8	124.5	155.9	1837	-132165	1	-137134	4.2	93.4	0	+∞	Si
34	-135432	8	-162267	5	124.5	161.8	1837	-130295	1	-138845	4.3	93.4	0	+∞	Si
41	-137896	9	-175893	5.4	124.5	175.4	1837	-129463	2	-145632	4.5	93.4	0	+∞	Si
49	-143700	9	-191785	5.9	124.5	191.2	1837	-130997	2	-154246	4.7	93.4	0	+∞	Si
56	-152141	3	-209133	6.4	124.5	208.5	1837	-134358	2	-164211	5	93.4	0	+∞	Si
64	-163781	3	-209133	6.4	124.5	208.5	1837	-139545	2	-164211	5	93.4	0	+∞	Si
71	-177688	3	-209133	6.4	124.5	208.5	1837	-146559	2	-164211	5	93.4	0	+∞	Si
79	-193861	3	-209133	6.4	124.5	208.5	1837	-155398	2	-164211	5	93.4	0	+∞	Si
85	-209133	3	-209133	6.4	124.5	208.5	1837	-164211	2	-164211	5	93.4	0	+∞	Si
90	-222371	3	-220767	6.8	124.5	220.1	1837	-172083	2	-171044	5.2	93.4	0	+∞	Si
98	-244210	3	-233854	7.2	124.5	233.2	1837	-185488	2	-178731	5.5	93.4	0	+∞	Si
105	-268316	3	-241707	7.4	124.5	241	1837	-200720	2	-183344	5.6	93.4	0	+∞	Si
113	-294457	3	-244324	7.5	124.5	243.6	1837	-217607	2	-184881	5.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
8	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
15	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
23	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
30	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
34	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
41	0	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
49	0	-0.001	0	-0.001	0	0	0	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
56	0	-0.001	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
60	0	-0.001	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
64	0	-0.001	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
71	0	-0.001	0	-0.001	0	0	0	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
79	0	-0.001	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
85	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
90	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
98	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
105	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Trave a "Piano 1" 73A-52A

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 73A - 71A, sezione R 45x70, asta 998

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	658418	LU 12	603475	2323876	0.102						Si
19	7.6	5.4	19.01	5.4	563960	LU 12	562525	2323876	0.102						Si
23	7.6	5.4	19.01	5.4	546049	LU 12	546049	2323876	0.102						Si
38	7.6	5.4	19.01	5.4	465806	LU 12	546049	2323876	0.102						Si
57	7.6	5.4	19.01	5.4	363957	LU 12	518262	2323876	0.102						Si
76	7.6	5.4	18.2	5.4	258509	LU 11	418371	2228940	0.1						Si
86	7.6	5.4	16.93	5.4	204497	LU 11	367040	2077407	0.097						Si
105	7.6	5.4	11.4	5.4	93702	LU 11	261694	1422093	0.084	61723	LU 4	-87707	-970824	0.078	Si
124	7.6	5.4	11.4	5.4	-14614	LU 2	152857	1422093	0.084	-28421	LU 13	-204692	-970824	0.078	Si
143	7.6	5.4	11.4	5.4	-106810	LU 1	44089	1422093	0.084	-141186	LU 14	-328553	-970824	0.078	Si
162	7.6	5.4	11.4	5.4	-195878	LU 1	41317	1422093	0.084	-262276	LU 12	-456384	-970824	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
181	7.6	5.4	11.4	5.4	-287789	LU 1	33002	1422093	0.084	-388147	LU 12	-587910	-970824	0.078	Si
190	7.6	5.4	11.4	5.4	-334811	LU 1	26765	1422093	0.084	-452469	LU 12	-655059	-970824	0.078	Si
200	9.48	5.4	11.4	5.4	-382543	LU 1	19143	1422093	0.084	-517715	LU 12	-723132	-1194318	0.081	Si
219	13.84	5.4	11.4	5.4						-650978	LU 12	-862049	-1710590	0.088	Si
228	15.18	5.4	11.4	5.4						-718995	LU 12	-932894	-1869907	0.09	Si
247	17.55	5.4	11.4	5.4						-857802	LU 12	-973884	-2150443	0.094	Si
263	19.01	5.4	11.4	5.4						-973884	LU 12	-973884	-2323557	0.097	Si
266	19.01	5.4	11.4	5.4						-1000304	LU 12	-998291	-2323557	0.097	Si
285	19.01	5.4	11.4	5.4						-1146503	LU 12	-1058951	-2323557	0.097	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	-4874	LU 12	-4874	-12949	-76908	0	-12949	1	Si
19	0	16.93	0	-5069	LU 12	-5069	-12458	-76908	0	-12458	1	Si
23	0.172	16.93	0	-5105	LU 12	-5105	-12458	-76908	-20007	-20007	1	Si
38	0.172	11.4	0	-5263	LU 12	-5263	-10922	-76908	-20007	-20007	1	Si
57	0.172	11.4	0	-5458	LU 12	-5458	-10922	-76908	-20007	-20007	1	Si
76	0.172	11.4	0	-5652	LU 12	-5652	-10922	-76908	-20007	-20007	1	Si
86	0.172	11.4	0	-5750	LU 12	-5750	-10922	-76908	-20007	-20007	1	Si
105	0.171	11.4	0	-5944	LU 12	-5944	-10922	-76908	-19841	-19841	1	Si
124	0.171	7.6	0	-6139	LU 12	-6139	-9541	-76908	-19841	-19841	1	Si
143	0.171	7.6	0	-6333	LU 12	-6333	-9541	-76908	-19841	-19841	1	Si
162	0.171	7.6	0	-6528	LU 12	-6528	-9541	-76908	-19841	-19841	1	Si
181	0.171	7.6	0	-6722	LU 12	-6722	-9541	-76908	-19841	-19841	1	Si
200	0.187	7.6	0	-6917	LU 12	-6917	-9541	-76908	-21675	-21675	1	Si
219	0.187	7.6	0	-7111	LU 12	-7111	-9541	-76908	-21675	-21675	1	Si
228	0.187	7.6	0	-7208	LU 12	-7208	-9541	-76908	-21675	-21675	1	Si
247	0.187	7.6	0	-7403	LU 12	-7403	-9541	-76908	-21675	-21675	1	Si
263	0.187	9.48	0	-7562	LU 12	-7562	-10271	-76908	-21675	-21675	1	Si
266	0	9.48	0	-7597	LU 12	-7597	-10271	-76908	0	-10271	1	Si
285	0	13.84	0	-7792	LU 12	-7792	-11649	-76908	0	-11649	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	501689	3	459814	14	124.5	419.4	1837	479699	2	439623	13.4	93.4	0	+∞	Si
19	429685	3	428591	13	124.5	390.9	1837	410734	2	409683	12.5	93.4	0	+∞	Si
23	416028	3	416028	12.7	124.5	379.4	1837	397637	2	397637	12.1	93.4	0	+∞	Si
38	354837	3	416028	12.7	124.5	379.4	1837	338926	2	397637	12.1	93.4	0	+∞	Si
57	277147	3	394840	12	124.5	360.1	1837	264275	2	377318	11.5	93.4	0	+∞	Si
76	196678	2	318657	9.8	124.5	302.8	1837	186781	2	304174	9.4	93.4	0	+∞	Si
86	155443	2	279499	8.8	124.5	284.8	1837	146968	2	266536	8.4	93.4	0	+∞	Si
105	70841	2	199109	7.2	124.5	296.5	1837	65210	2	189127	6.9	93.4	0	+∞	Si
124	-21692	4	-156952	3.5	124.5	54.4	1837	-20585	1	-154353	6.2	93.4	0	+∞	Si
143	-108366	5	-251603	5.7	124.5	87.2	1837	-106835	2	-246146	9.9	93.4	0	+∞	Si
162	-200968	3	-349279	7.9	124.5	121.1	1837	-197122	2	-340783	13.7	93.4	0	+∞	Si
181	-297137	3	-449798	10.1	124.5	156	1837	-290251	2	-438262	17.6	93.4	0	+∞	Si
200	-396149	3	-553160	20.4	124.5	981.6	1837	-386224	2	-538584	19.9	93.4	0	+∞	Si
219	-498004	3	-659364	21.2	124.5	812.1	1837	-485039	2	-641749	20.7	93.4	0	+∞	Si
228	-549997	3	-713532	22.2	124.5	803.7	1837	-535513	2	-694398	21.6	93.4	0	+∞	Si
247	-656117	3	-744876	22.1	124.5	729.9	1837	-638593	2	-724872	21.5	93.4	0	+∞	Si
263	-744876	3	-744876	21.5	124.5	676	1837	-724872	2	-724872	21	93.4	0	+∞	Si
266	-765079	3	-763539	22.1	124.5	693	1837	-744515	2	-743019	21.5	93.4	0	+∞	Si
285	-876884	3	-809924	23.4	124.5	735.1	1837	-853281	2	-788121	22.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si
23	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
38	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
57	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
76	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
86	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
105	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.004	2	-0.004	2	9999	Si
124	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	2	-0.006	2	9999	Si
143	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
162	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
181	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si
200	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
219	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	1	-0.011	1	9999	Si
228	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si
247	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
263	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
266	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si

Campata 2 tra i fili 71A - 62A, sezione R 45x70, asta 999

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-833302	LU 18	-784294	-2323557	0.097	Si
23	19.01	5.4	11.4	5.4						-737185	LU 18	-737185	-2323557	0.097	Si
57	15.75	5.4	11.4	5.4						-598121	LU 18	-713989	-1938152	0.091	Si
86	11.4	5.4	11.4	5.4						-493003	LU 18	-600389	-1422094	0.084	Si
114	11.4	5.4	11.4	5.4						-396201	LU 18	-495105	-1422092	0.084	Si
171	7.6	5.4	11.4	5.4						-227914	LU 12	-309484	-970824	0.078	Si
200	7.6	5.4	11.4	5.4	-104625	LU 1	44308	1422093	0.084	-156462	LU 12	-229509	-970824	0.078	Si
257	7.6	5.4	11.4	5.4	-14996	LU 1	218932	1422093	0.084	-38504	LU 12	-94588	-970824	0.078	Si
314	7.6	5.4	11.4	5.4	63761	LU 10	343663	1422093	0.084						Si
371	7.6	5.4	11.4	5.4	113755	LU 10	418501	1422093	0.084						Si
428	7.6	5.4	11.4	5.4	130487	LU 10	443448	1422093	0.084						Si
485	7.6	5.4	11.4	5.4	115007	LU 17	418501	1422093	0.084						Si
542	7.6	5.4	11.4	5.4	66807	LU 17	343663	1422093	0.084						Si
599	7.6	5.4	11.4	5.4	-10295	LU 8	218932	1422093	0.084	-30550	LU 11	-85317	-970824	0.078	Si
656	7.6	5.4	11.4	5.4	-98176	LU 8	44308	1422093	0.084	-145926	LU 11	-217656	-970824	0.078	Si
684	7.6	5.4	11.4	5.4						-216087	LU 11	-296299	-970824	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
741	10.2	5.4	11.4	5.4						-381355	LU 11	-478530	-1279024	0.082	Si
798	15.75	5.4	6.97	5.4						-579884	LU 11	-694023	-1938701	0.094	Si
833	19.01	5.4	7.6	5.4						-716896	LU 11	-716896	-2323876	0.102	Si
855	19.01	5.4	7.6	5.4						-811675	LU 11	-763336	-2323876	0.102	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.75	0	4418	LU 18	4418	12164	76908	0	12164	1	Si
23	0.068	11.4	0	4187	LU 18	4187	10922	76908	7925	10922	1	Si
57	0.068	11.4	0	3834	LU 18	3834	10922	76908	7925	10922	1	Si
114	0.068	7.6	0	3251	LU 18	3251	9541	76908	7925	9541	1	Si
171	0.068	7.6	0	2667	LU 18	2667	9541	76908	7925	9541	1	Si
200	0.068	7.6	0	2375	LU 18	2375	9541	76908	7925	9541	1	Si
257	0.068	7.6	0	1792	LU 18	1792	9541	76908	7925	9541	1	Si
314	0.068	11.4	0	1208	LU 18	1208	10922	76908	7925	10922	1	Si
371	0.068	11.4	0	625	LU 18	625	10922	76908	7925	10922	1	Si
428	0.068	11.4	0	41	LU 18	41	10922	76908	7925	10922	1	Si
485	0.068	11.4	0	-582	LU 10	-582	-10922	-76908	-7925	-10922	1	Si
542	0.068	11.4	0	-1165	LU 10	-1165	-10922	-76908	-7925	-10922	1	Si
599	0.068	7.6	0	-1749	LU 10	-1749	-9541	-76908	-7925	-9541	1	Si
656	0.068	7.6	0	-2332	LU 10	-2332	-9541	-76908	-7925	-9541	1	Si
684	0.068	7.6	0	-2624	LU 10	-2624	-9541	-76908	-7925	-9541	1	Si
741	0.068	7.6	0	-3208	LU 10	-3208	-9541	-76908	-7925	-9541	1	Si
798	0.068	10.2	0	-3791	LU 10	-3791	-10523	-76908	-7925	-10523	1	Si
833	0.068	11.4	0	-4144	LU 10	-4144	-10922	-76908	-7925	-10922	1	Si
855	0	15.75	0	-4375	LU 10	-4375	-12164	-76908	0	-12164	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-638177	9	-600523	17.4	124.5	545	1837	-624118	2	-586723	17	93.4	0	+∞	Si
23	-564331	9	-564331	16.3	124.5	512.2	1837	-550790	2	-550790	15.9	93.4	0	+∞	Si
57	-457498	9	-546510	16.8	124.5	593.9	1837	-444751	2	-533094	16.4	93.4	0	+∞	Si
114	-302406	9	-378369	13	124.5	561.6	1837	-290970	2	-366264	12.6	93.4	0	+∞	Si
171	-173147	3	-235813	5.3	124.5	81.8	1837	-162775	2	-225020	9	93.4	0	+∞	Si
200	-118258	3	-174373	3.9	124.5	60.5	1837	-108272	2	-163993	6.6	93.4	0	+∞	Si
257	-27669	3	-70735	1.6	124.5	24.5	1837	-18455	2	-61127	2.5	93.4	0	+∞	Si
314	49047	1	71794	2.6	124.5	106.9	1837	49047	1	71794	2.6	93.4	0	+∞	Si
371	87504	1	97202	3.5	124.5	144.7	1837	87504	1	97202	3.5	93.4	0	+∞	Si
428	100375	1	100375	3.6	124.5	149.4	1837	100375	1	100375	3.6	93.4	0	+∞	Si
485	88359	8	97437	3.5	124.5	145.1	1837	87660	1	97279	3.5	93.4	0	+∞	Si
542	51120	8	73246	2.7	124.5	109.1	1837	49359	1	72027	2.6	93.4	0	+∞	Si
599	-22304	2	-64481	1.4	124.5	21.8	1837	-16860	2	-59261	1.8	93.4	0	+∞	Si
656	-111150	2	-166377	3.7	124.5	57.7	1837	-106145	2	-161595	6.5	93.4	0	+∞	Si
684	-165168	2	-226919	5.1	124.5	78.7	1837	-160382	2	-222356	8.9	93.4	0	+∞	Si
741	-292394	2	-367193	13.2	124.5	607.3	1837	-288045	2	-363068	13	93.4	0	+∞	Si
798	-445205	2	-533054	17.4	124.5	582.2	1837	-441295	2	-529366	17.3	93.4	0	+∞	Si
833	-550658	2	-550658	16.7	124.5	502.2	1837	-547012	2	-547012	16.6	93.4	0	+∞	Si
855	-623603	2	-586399	17.8	124.5	534.8	1837	-620130	2	-582840	17.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
57	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.015	1	-0.015	1	9999	Si
114	-0.009	-0.01	-0.009	-0.01	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.021	1	-0.022	1	9999	Si
171	-0.009	-0.01	-0.009	-0.011	-0.009	-0.01	-0.009	-0.01	-0.009	-0.009	-0.022	1	-0.023	1	9999	Si
200	-0.008	-0.01	-0.009	-0.01	-0.008	-0.009	-0.009	-0.009	-0.008	-0.009	-0.021	1	-0.022	1	9999	Si
257	-0.006	-0.009	-0.007	-0.009	-0.006	-0.008	-0.007	-0.008	-0.006	-0.007	-0.018	1	-0.019	1	9999	Si
314	-0.005	-0.007	-0.006	-0.008	-0.005	-0.006	-0.006	-0.007	-0.005	-0.005	-0.014	1	-0.016	1	9999	Si
371	-0.003	-0.006	-0.005	-0.007	-0.003	-0.005	-0.005	-0.006	-0.003	-0.004	-0.012	1	-0.013	1	9999	Si
428	-0.003	-0.005	-0.004	-0.007	-0.003	-0.004	-0.004	-0.005	-0.003	-0.004	-0.011	1	-0.012	1	9999	Si
485	-0.003	-0.006	-0.005	-0.007	-0.003	-0.005	-0.005	-0.006	-0.003	-0.004	-0.012	1	-0.013	1	9999	Si
542	-0.005	-0.007	-0.006	-0.008	-0.005	-0.006	-0.006	-0.007	-0.005	-0.005	-0.014	1	-0.016	1	9999	Si
599	-0.006	-0.008	-0.007	-0.009	-0.006	-0.007	-0.007	-0.008	-0.006	-0.007	-0.018	1	-0.019	1	9999	Si
656	-0.008	-0.01	-0.008	-0.01	-0.008	-0.009	-0.009	-0.009	-0.008	-0.009	-0.021	1	-0.023	1	9999	Si
684	-0.008	-0.01	-0.009	-0.01	-0.009	-0.009	-0.009	-0.01	-0.009	-0.009	-0.022	1	-0.023	1	9999	Si
713	-0.009	-0.01	-0.009	-0.01	-0.009	-0.009	-0.009	-0.01	-0.009	-0.009	-0.023	1	-0.023	1	9999	Si
741	-0.009	-0.01	-0.008	-0.01	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.022	1	-0.022	1	9999	Si
798	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.015	1	-0.016	1	9999	Si
833	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si

Campata 3 tra i fili 62A - 52A, sezione R 45x70, asta 1000

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-1113492	LU 11	-1049938	-2323876	0.102	Si
23	19.01	5.4	7.6	5.4						-988207	LU 11	-988207	-2323876	0.102	Si
58	15.63	5.4	7.6	5.4						-797387	LU 11	-950576	-1923740	0.093	Si
88	11.4	5.4	7.6	5.4						-652397	LU 11	-796906	-1422093	0.084	Si
117	11.4	5.4	7.6	5.4						-516117	LU 11	-651946	-1422092	0.084	Si
175	7.6	5.4	7.6	5.4						-269683	LU 11	-388152	-970067	0.076	Si
233	7.6	5.4	7.6	5.4	-28972	LU 4	144955	970067	0.076	-58086	LU 11	-159194	-970067	0.076	Si
263	7.6	5.4	7.6	5.4	52620	LU 13	229868	970067	0.076	22873	LU 2	-57778	-970067	0.076	Si
321	7.6	5.4	7.6	5.4	208066	LU 13	360503	970067	0.076						Si
379	7.6	5.4	7.6	5.4	328737	LU 17	438883	970067	0.076						Si
438	7.6	5.4	7.6	5.4	414632	LU 17	465010	970067	0.076						Si
496	7.6	5.4	7.6	5.4	465691	LU 17	478356	970067	0.076						Si
554	7.6	5.4	7.6	5.4	483460	LU 18	483460	970067	0.076						Si
613	7.6	5.4	7.6	5.4	468430	LU 12	480208	970067	0.076						Si
671	7.6	5.4	7.6	5.4	418668	LU 12	447806	970067	0.076						Si
700	7.6	5.4	7.6	5.4	380724	LU 12	418542	970067	0.076						Si
758	15.18	5.4	7.6	5.4	278708	LU 12	333887	971249	0.079						Si
817	15.21	5.4	7.6	5.4	141915	LU 11	214409	971252	0.079						Si
853	15.21	5.4	7.6	5.4	39864	LU 11	123029	971252	0.079						Si
875	15.21	5.4	7.6	5.4						-52637	LU 13	-16200	-1873491	0.092	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.63	0	5718	LU 11	5718	12131	76908	0	12131	1	Si
23	0.068	11.4	0	5487	LU 11	5487	10922	76908	7874	10922	1	Si
58	0.068	11.4	0	5120	LU 11	5120	10922	76908	7874	10922	1	Si
117	0.068	7.6	0	4523	LU 11	4523	9541	76908	7874	9541	1	Si
175	0.068	7.6	0	3926	LU 11	3926	9541	76908	7874	9541	1	Si
233	0.068	7.6	0	3329	LU 11	3329	9541	76908	7874	9541	1	Si
263	0.068	7.6	0	3030	LU 11	3030	9541	76908	7874	9541	1	Si
321	0.068	7.6	0	2433	LU 11	2433	9541	76908	7874	9541	1	Si
379	0.068	7.6	0	1836	LU 11	1836	9541	76908	7874	9541	1	Si
438	0.068	7.6	0	1239	LU 11	1239	9541	76908	7874	9541	1	Si
496	0.068	7.6	0	641	LU 11	641	9541	76908	7874	9541	1	Si
554	0.068	7.6	0	49	LU 2	49	9541	76908	7874	9541	1	Si
554	0.068	7.6	0	-23	LU 13	-23	-9541	-76908	-7874	-9541	1	Si
613	0.068	7.6	0	-620	LU 13	-620	-9541	-76908	-7874	-9541	1	Si
671	0.068	7.6	0	-1217	LU 13	-1217	-9541	-76908	-7874	-9541	1	Si
700	0.068	7.6	0	-1516	LU 13	-1516	-9541	-76908	-7874	-9541	1	Si
758	0.068	7.6	0	-2113	LU 13	-2113	-9541	-76908	-7874	-9541	1	Si
817	0.068	7.6	0	-2710	LU 13	-2710	-9541	-76908	-7874	-9541	1	Si
853	0.068	7.6	0	-3077	LU 13	-3077	-9541	-76908	-7874	-9541	1	Si
875	0	15.21	0	-3307	LU 13	-3307	-12021	-76908	0	-12021	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-853136	2	-804322	24.5	124.5	733.6	1837	-837684	2	-789204	24	93.4	0	+∞	Si
23	-756910	2	-756910	23	124.5	690.3	1837	-742127	2	-742127	22.6	93.4	0	+∞	Si
58	-610360	2	-728007	23.6	124.5	800.7	1837	-596643	2	-713425	23.2	93.4	0	+∞	Si
117	-394380	2	-498673	18.1	124.5	742.5	1837	-382398	2	-485827	17.6	93.4	0	+∞	Si
175	-205197	2	-296136	7	124.5	104.6	1837	-194950	2	-285025	12.1	93.4	0	+∞	Si
233	-42811	2	-120396	2.8	124.5	42.5	1837	-34299	2	-111019	4.7	93.4	0	+∞	Si
263	40314	4	103250	1.8	124.5	36.5	1837	39254	1	102251	4.3	93.4	0	+∞	Si
321	159906	4	209489	4.9	124.5	74	1837	158967	1	208609	8.8	93.4	0	+∞	Si
379	252742	8	289011	6.8	124.5	102.1	1837	251882	1	288170	12.2	93.4	0	+∞	Si
438	318821	8	341736	8	124.5	120.7	1837	318000	1	340934	14.4	93.4	0	+∞	Si
496	358103	8	367824	8.7	124.5	129.9	1837	357322	1	366971	15.5	93.4	0	+∞	Si
554	371620	9	371620	8.8	124.5	131.3	1837	370288	2	370288	15.7	93.4	0	+∞	Si
613	359696	3	368942	8.7	124.5	130.3	1837	356760	2	366840	15.5	93.4	0	+∞	Si
671	321046	3	343646	8.1	124.5	121.4	1837	316434	2	339869	14.4	93.4	0	+∞	Si
700	291672	3	320949	7.6	124.5	113.4	1837	286223	2	316334	13.4	93.4	0	+∞	Si
758	212827	3	255457	5.5	124.5	87.1	1837	205702	2	249167	9.5	93.4	0	+∞	Si
817	107223	2	163178	3.5	124.5	55.6	1837	98384	2	155204	5.9	93.4	0	+∞	Si
853	28488	2	92651	2	124.5	31.6	1837	18584	2	83611	3.2	93.4	0	+∞	Si
875	-40459	4	-12434	0.4	124.5	14	1837	-40262	1	-12260	0.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
58	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
117	0.004	0.003	0.003	0.002	0.004	0.004	0.003	0.003	0.004	0.004	0.01	1	0.009	1	9999	Si
175	0.013	0.011	0.011	0.009	0.012	0.012	0.011	0.01	0.012	0.012	0.029	1	0.028	1	9999	Si
233	0.022	0.021	0.02	0.018	0.022	0.022	0.02	0.019	0.022	0.022	0.052	1	0.051	1	9999	Si
263	0.028	0.026	0.024	0.023	0.027	0.027	0.024	0.024	0.027	0.027	0.064	1	0.063	1	9999	Si
321	0.037	0.036	0.033	0.032	0.037	0.037	0.033	0.032	0.037	0.037	0.088	1	0.087	1	9988	Si
379	0.046	0.044	0.041	0.04	0.046	0.045	0.041	0.04	0.045	0.045	0.107	1	0.107	1	8143	Si
438	0.052	0.05	0.046	0.045	0.051	0.051	0.046	0.046	0.051	0.051	0.122	1	0.121	1	7190	Si
496	0.055	0.054	0.049	0.048	0.054	0.054	0.049	0.048	0.054	0.054	0.129	1	0.128	1	6790	Si
525	0.055	0.054	0.049	0.049	0.055	0.054	0.049	0.049	0.055	0.054	0.129	1	0.129	1	6757	Si
554	0.054	0.054	0.049	0.048	0.054	0.054	0.049	0.048	0.054	0.054	0.128	1	0.128	1	6833	Si
613	0.05	0.05	0.045	0.045	0.05	0.05	0.045	0.045	0.05	0.05	0.119	1	0.119	1	7352	Si
671	0.043	0.043	0.039	0.039	0.043	0.043	0.039	0.039	0.043	0.043	0.102	1	0.102	1	8575	Si
700	0.039	0.038	0.035	0.035	0.038	0.038	0.035	0.035	0.038	0.038	0.091	2	0.091	2	9630	Si
758	0.027	0.027	0.025	0.024	0.027	0.027	0.024	0.024	0.027	0.027	0.064	2	0.064	2	9999	Si
817	0.014	0.014	0.013	0.013	0.014	0.014	0.013	0.013	0.014	0.014	0.033	2	0.033	2	9999	Si
853	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.013	2	0.013	2	9999	Si

Trave a "Piano 1" 73B-4

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 73B - 71B, sezione R 45x70, asta 957

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	5.4	677560	LU 11	614415	2773116	0.1						Si
19	15.21	5.4	22.81	5.4	569250	LU 11	567617	2773116	0.1						Si
23	15.21	5.4	22.81	5.4	548787	LU 11	548787	2773116	0.1						Si
38	15.21	5.4	22.81	5.4	457243	LU 11	548787	2773116	0.1						Si
57	15.21	5.4	22.81	5.4	341541	LU 11	517041	2773116	0.1						Si
76	15.21	5.4	21.6	5.4	222144	LU 11	403298	2630776	0.098						Si
86	15.21	5.4	19.69	5.4	161059	LU 11	345040	2403582	0.095	117849	LU 8	-34400	-1872539	0.088	Si
105	15.21	5.4	11.4	5.4	36118	LU 11	225753	1422107	0.084	24026	LU 8	-163252	-1873055	0.09	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
124	15.21	5.4	11.4	5.4	-71044	LU 1	102771	1422107	0.084	-94067	LU 18	-297322	-1873055	0.09	Si
143	15.21	5.4	11.4	5.4	-170946	LU 1	44089	1422107	0.084	-225622	LU 12	-435383	-1873055	0.09	Si
162	19.23	5.4	11.4	5.4	-273656	LU 6	41317	1422107	0.084	-361724	LU 12	-577140	-2349434	0.097	Si
181	21.02	5.4	11.4	5.4	-378777	LU 6	33002	1422107	0.084	-501523	LU 12	-722593	-2561429	0.101	Si
200	22.81	5.4	11.4	5.4	-486740	LU 6	19143	1422107	0.084	-645017	LU 12	-871742	-2773208	0.105	Si
209	22.81	5.4	11.4	5.4	-541788	LU 6	10135	1422107	0.084	-718150	LU 12	-947702	-2773209	0.105	Si
228	27.16	5.4	11.4	5.4						-867188	LU 12	-1102394	-3286665	0.115	Si
247	28.95	5.4	11.4	5.4						-1019921	LU 12	-1147364	-3495297	0.128	Si
263	30.41	5.4	11.4	5.4						-1147364	LU 12	-1147364	-3663634	0.139	Si
266	30.41	5.4	11.4	5.4						-1176350	LU 12	-1174137	-3663634	0.139	Si
285	30.41	5.4	11.4	5.4						-1336475	LU 12	-1240678	-3663634	0.139	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	-5607	LU 12	-5607	-13760	-76908	0	-13760	1	Si
19	0	19.69	0	-5802	LU 12	-5802	-13102	-76908	0	-13102	1	Si
23	0.215	19.69	0	-5838	LU 12	-5838	-13102	-76908	-25009	-25009	1	Si
38	0.215	11.4	0	-5996	LU 12	-5996	-10922	-76908	-25009	-25009	1	Si
57	0.215	11.4	0	-6191	LU 12	-6191	-10922	-76908	-25009	-25009	1	Si
76	0.215	11.4	0	-6385	LU 12	-6385	-10922	-76908	-25009	-25009	1	Si
86	0.215	11.4	0	-6483	LU 12	-6483	-10922	-76908	-25009	-25009	1	Si
105	0.221	11.4	0	-6677	LU 12	-6677	-10922	-76908	-25676	-25676	1	Si
124	0.221	15.21	0	-6872	LU 12	-6872	-12021	-76908	-25676	-25676	1	Si
143	0.221	15.21	0	-7066	LU 12	-7066	-12021	-76908	-25676	-25676	1	Si
162	0.221	15.21	0	-7261	LU 12	-7261	-12021	-76908	-25676	-25676	1	Si
181	0.221	15.21	0	-7455	LU 12	-7455	-12021	-76908	-25676	-25676	1	Si
200	0.23	15.21	0	-7650	LU 12	-7650	-12021	-76908	-26676	-26676	1	Si
209	0.23	15.21	0	-7747	LU 12	-7747	-12021	-76908	-26676	-26676	1	Si
228	0.23	19.23	0	-7941	LU 12	-7941	-12999	-76908	-26676	-26676	1	Si
247	0.23	21.02	0	-8136	LU 12	-8136	-13390	-76908	-26676	-26676	1	Si
263	0.23	22.81	0	-8295	LU 12	-8295	-13760	-76908	-26676	-26676	1	Si
266	0	22.81	0	-8330	LU 12	-8330	-13760	-76908	0	-13760	1	Si
276	0	22.81	0	-8428	LU 12	-8428	-13760	-76908	0	-13760	1	Si
285	0	26.26	0	-8525	LU 12	-8525	-14423	-76908	0	-14423	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	519577	2	471153	12.3	124.5	357.5	1837	512192	2	464448	12.1	93.4	0	+∞	Si
19	436513	2	435261	11.3	124.5	330.3	1837	430276	2	429040	11.2	93.4	0	+∞	Si
23	420819	2	420819	10.9	124.5	319.3	1837	414793	2	414793	10.8	93.4	0	+∞	Si
38	350607	2	420819	10.9	124.5	319.3	1837	345517	2	414793	10.8	93.4	0	+∞	Si
57	261858	2	396471	10.3	124.5	300.8	1837	257916	2	390773	10.2	93.4	0	+∞	Si
76	170266	2	309229	8.2	124.5	247.1	1837	167472	2	304679	8.1	93.4	0	+∞	Si
86	123404	2	264542	7.2	124.5	231.2	1837	121184	2	260566	7.1	93.4	0	+∞	Si
105	27547	2	173035	5.7	124.5	256.2	1837	26475	2	170207	5.6	93.4	0	+∞	Si
124	-72184	9	-228224	7.1	124.5	256.6	1837	-71076	2	-225852	7	93.4	0	+∞	Si
143	-173207	3	-334165	10.4	124.5	375.8	1837	-171470	2	-330596	10.3	93.4	0	+∞	Si
162	-277642	3	-442949	12.8	124.5	397.6	1837	-274708	2	-438183	12.6	93.4	0	+∞	Si
181	-384919	3	-554576	15.5	124.5	457.1	1837	-380788	2	-548612	15.4	93.4	0	+∞	Si
200	-495039	3	-669045	18.2	124.5	510	1837	-489710	2	-661885	18	93.4	0	+∞	Si
209	-551165	3	-727346	19.8	124.5	554.5	1837	-545238	2	-719587	19.6	93.4	0	+∞	Si
228	-665550	3	-846081	21.9	124.5	546.1	1837	-658425	2	-837124	21.6	93.4	0	+∞	Si
247	-782777	3	-880599	22.3	124.5	534.9	1837	-774455	2	-871300	22.1	93.4	0	+∞	Si
263	-880599	3	-880599	22	124.5	510.5	1837	-871300	2	-871300	21.8	93.4	0	+∞	Si
266	-902848	3	-901149	22.5	124.5	521.8	1837	-893328	2	-891647	22.3	93.4	0	+∞	Si
285	-1025761	3	-952224	23.8	124.5	552	1837	-1015044	2	-942217	23.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
38	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
57	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
76	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
86	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
105	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
124	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
143	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	1	-0.01	1	9999	Si
162	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.012	1	9999	Si
181	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
200	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
209	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
228	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.012	1	9999	Si
247	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.009	1	-0.009	1	9999	Si
263	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
266	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si

Campata 2 tra i fili 71B - 62B, sezione R 45x70, asta 958

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	11.4	5.4						-971027	LU 12	-918822	-3663634	0.139	Si
23	30.41	5.4	11.4	5.4						-868518	LU 12	-868518	-3663634	0.139	Si
57	27.16	5.4	11.4	5.4						-719652	LU 12	-843779	-3286665	0.115	Si
114	15.21	5.4	11.4	5.4						-501539	LU 12	-608702	-1873055	0.09	Si
171	15.05	5.4	11.4	5.4						-316687	LU 12	-406887	-1854609	0.09	Si
228	7.6	5.4	11.4	5.4	-118491	LU 1	137856	1422093	0.084	-165097	LU 12	-238333	-970824	0.078	Si
256	7.6	5.4	11.4	5.4	-70622	LU 1	218932	1422093	0.084	-101775	LU 12	-166529	-970824	0.078	Si
313	7.6	5.4	11.4	5.4	7702	LU 10	343663	1422093	0.084	-1854	LU 3	-47868	-970824	0.078	Si
370	7.6	5.4	11.4	5.4	73952	LU 10	418501	1422093	0.084						Si
427	7.6	5.4	11.4	5.4	106940	LU 10	443448	1422093	0.084						Si
484	7.6	5.4	11.4	5.4	106679	LU 13	418501	1422093	0.084						Si
541	7.6	5.4	11.4	5.4	74316	LU 18	343663	1422093	0.084						Si
598	7.6	5.4	11.4	5.4	9575	LU 18	218932	1422093	0.084	4873	LU 1	-40621	-970824	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
655	12.36	5.4	11.4	5.4	-66756	LU 3	44308	1422094	0.084	-93724	LU 10	-157642	-1535924	0.085	Si
684	15.05	5.4	11.4	5.4						-156226	LU 10	-228626	-1854609	0.09	Si
741	15.21	5.4	13.29	5.4						-306177	LU 10	-395541	-1872886	0.089	Si
798	19.56	5.4	10.77	5.4						-489390	LU 10	-595717	-2388617	0.099	Si
832	22.81	5.4	15.21	5.4						-617131	LU 10	-617131	-2773116	0.1	Si
855	22.81	5.4	15.21	5.4						-705864	LU 10	-660547	-2773116	0.1	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	27.16	0	4702	LU 12	4702	14585	76908	0	14585	1	Si
23	0.068	20.31	0	4472	LU 12	4472	13239	76908	7925	13239	1	Si
57	0.068	15.21	0	4118	LU 12	4118	12021	76908	7925	12021	1	Si
114	0.068	15.05	0	3535	LU 12	3535	11980	76908	7925	11980	1	Si
171	0.068	7.6	0	2951	LU 12	2951	9541	76908	7925	9541	1	Si
228	0.068	7.6	0	2368	LU 12	2368	9541	76908	7925	9541	1	Si
256	0.068	7.6	0	2076	LU 12	2076	9541	76908	7925	9541	1	Si
313	0.068	7.6	0	1492	LU 12	1492	9541	76908	7925	9541	1	Si
370	0.068	11.4	0	909	LU 12	909	10922	76908	7925	10922	1	Si
427	0.068	11.4	0	325	LU 12	325	10922	76908	7925	10922	1	Si
484	0.068	11.4	0	-297	LU 10	-297	-10922	-76908	-7925	-10922	1	Si
541	0.068	11.4	0	-880	LU 10	-880	-10922	-76908	-7925	-10922	1	Si
598	0.068	11.4	0	-1464	LU 10	-1464	-10922	-76908	-7925	-10922	1	Si
655	0.068	7.6	0	-2047	LU 10	-2047	-9541	-76908	-7925	-9541	1	Si
684	0.068	7.6	0	-2339	LU 10	-2339	-9541	-76908	-7925	-9541	1	Si
741	0.068	15.05	0	-2922	LU 10	-2922	-11980	-76908	-7925	-11980	1	Si
798	0.068	15.21	0	-3506	LU 10	-3506	-12021	-76908	-7925	-12021	1	Si
832	0.068	15.21	0	-3859	LU 10	-3859	-12021	-76908	-7925	-12021	1	Si
855	0	19.56	0	-4090	LU 10	-4090	-13073	-76908	0	-13073	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-744913	3	-704800	17.6	124.5	408.6	1837	-735160	2	-695260	17.4	93.4	0	+∞	Si
23	-666148	3	-666148	16.6	124.5	386.1	1837	-656822	2	-656822	16.4	93.4	0	+∞	Si
57	-551772	3	-647139	16.7	124.5	417.7	1837	-543099	2	-637916	16.5	93.4	0	+∞	Si
114	-384216	3	-466535	14.5	124.5	524.6	1837	-376625	2	-458392	14.3	93.4	0	+∞	Si
171	-242247	3	-311517	9.7	124.5	353.8	1837	-235736	2	-304455	9.5	93.4	0	+∞	Si
228	-125863	3	-182085	4.1	124.5	63.1	1837	-120433	2	-176103	7.1	93.4	0	+∞	Si
256	-77266	3	-126963	2.9	124.5	44	1837	-72376	2	-121522	4.9	93.4	0	+∞	Si
313	5925	1	35050	1.3	124.5	52.2	1837	5925	1	35050	1.3	93.4	0	+∞	Si
370	56886	1	72962	2.6	124.5	108.6	1837	56886	1	72962	2.6	93.4	0	+∞	Si
427	82262	1	85355	3.1	124.5	127.1	1837	82262	1	85355	3.1	93.4	0	+∞	Si
484	82060	4	85355	3.1	124.5	127.1	1837	82051	1	85355	3.1	93.4	0	+∞	Si
541	57044	9	72777	2.6	124.5	108.4	1837	56387	2	72545	2.6	93.4	0	+∞	Si
598	7033	9	35673	1.3	124.5	53.1	1837	5382	2	34529	1.3	93.4	0	+∞	Si
655	-72095	1	-121263	4.1	124.5	166.5	1837	-72095	1	-121263	4.1	93.4	0	+∞	Si
684	-120174	1	-175866	5.5	124.5	199.7	1837	-120174	1	-175866	5.5	93.4	0	+∞	Si
741	-235521	1	-304262	9.2	124.5	341.5	1837	-235521	1	-304262	9.2	93.4	0	+∞	Si
798	-376453	1	-458244	13.2	124.5	405	1837	-376453	1	-458244	13.2	93.4	0	+∞	Si
832	-474716	1	-474716	12.3	124.5	360.2	1837	-474716	1	-474716	12.3	93.4	0	+∞	Si
855	-542972	1	-508113	13.2	124.5	385.5	1837	-542972	1	-508113	13.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
57	-0.009	-0.009	-0.008	-0.009	-0.009	-0.009	-0.008	-0.008	-0.009	-0.009	-0.019	1	-0.02	1	9999	Si
114	-0.013	-0.014	-0.012	-0.013	-0.013	-0.014	-0.012	-0.013	-0.013	-0.014	-0.03	1	-0.03	1	9999	Si
171	-0.015	-0.015	-0.014	-0.014	-0.015	-0.015	-0.014	-0.014	-0.015	-0.015	-0.033	1	-0.033	1	9999	Si
228	-0.014	-0.014	-0.013	-0.014	-0.014	-0.014	-0.013	-0.014	-0.014	-0.014	-0.032	1	-0.032	1	9999	Si
256	-0.013	-0.014	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.03	1	-0.03	1	9999	Si
313	-0.011	-0.012	-0.011	-0.012	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.026	1	-0.026	1	9999	Si
370	-0.009	-0.009	-0.009	-0.01	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.021	1	-0.022	1	9999	Si
427	-0.007	-0.008	-0.008	-0.008	-0.007	-0.008	-0.008	-0.008	-0.007	-0.008	-0.018	1	-0.019	1	9999	Si
484	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.017	1	-0.017	1	9999	Si
541	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.017	1	-0.017	1	9999	Si
598	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.018	1	-0.019	1	9999	Si
655	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.02	1	-0.02	1	9999	Si
684	-0.009	-0.009	-0.008	-0.009	-0.009	-0.009	-0.008	-0.009	-0.009	-0.009	-0.02	1	-0.02	1	9999	Si
741	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.019	2	-0.019	2	9999	Si
798	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.013	2	-0.013	2	9999	Si
832	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si

Campata 3 tra i fili 62B - 53, sezione R 45x70, asta 959

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4						-985201	LU 17	-926803	-2773116	0.1	Si
23	22.81	5.4	15.21	5.4						-870227	LU 17	-870227	-2773116	0.1	Si
58	19.43	5.4	13.58	5.4						-697980	LU 18	-835817	-2373462	0.096	Si
88	15.21	5.4	11.4	5.4						-568394	LU 18	-697551	-1873055	0.09	Si
117	15.21	5.4	11.4	5.4						-447517	LU 18	-567993	-1873055	0.09	Si
175	11.83	5.4	11.4	5.4						-234765	LU 11	-336062	-1543376	0.085	Si
233	7.6	5.4	11.4	5.4	-27335	LU 4	144955	1422093	0.084	-57625	LU 11	-141562	-970824	0.078	Si
263	7.6	5.4	11.4	5.4	42838	LU 13	229868	1422093	0.084	8347	LU 2	-57375	-970824	0.078	Si
321	7.6	5.4	11.4	5.4	175250	LU 17	360503	1422093	0.084						Si
379	7.6	5.4	11.4	5.4	273025	LU 17	438883	1422093	0.084						Si
438	7.6	5.4	11.4	5.4	335963	LU 17	465010	1422093	0.084						Si
496	7.6	5.4	11.4	5.4	364066	LU 17	438883	1422093	0.084						Si
554	7.6	5.4	11.4	5.4	357332	LU 17	365028	1422093	0.084						Si
613	7.6	5.4	11.4	5.4	315763	LU 17	340819	1422093	0.084						Si
671	7.6	5.4	11.4	5.4	239358	LU 17	281774	1422093	0.084						Si
700	7.6	5.4	11.4	5.4	188091	LU 17	239188	1422093	0.084						Si
758	7.6	5.4	11.4	5.4	59432	LU 17	127889	1422093	0.084	-40649	LU 2	-111963	-970824	0.078	Si
817	21.32	5.4	13.58	5.4						-202197	LU 11	-300543	-2596718	0.099	Si
853	26.61	5.4	15.21	5.4						-325414	LU 11	-325414	-3222619	0.107	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
875	26.61	5.4	15.21	5.4						-408251	LU 11	-365921	-3222619	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.43	0	5259	LU 17	5259	13045	76908	0	13045	1	Si
23	0.068	15.21	0	5029	LU 17	5029	12021	76908	7874	12021	1	Si
58	0.068	15.21	0	4662	LU 17	4662	12021	76908	7874	12021	1	Si
117	0.068	11.83	0	4065	LU 17	4065	11239	76908	7874	11239	1	Si
175	0.068	7.6	0	3468	LU 17	3468	9541	76908	7874	9541	1	Si
233	0.068	7.6	0	2871	LU 17	2871	9541	76908	7874	9541	1	Si
263	0.068	11.4	0	2572	LU 17	2572	10922	76908	7874	10922	1	Si
321	0.068	11.4	0	1975	LU 17	1975	10922	76908	7874	10922	1	Si
379	0.068	11.4	0	1378	LU 17	1378	10922	76908	7874	10922	1	Si
438	0.068	11.4	0	780	LU 17	780	10922	76908	7874	10922	1	Si
496	0.068	11.4	0	183	LU 17	183	10922	76908	7874	10922	1	Si
554	0.068	11.4	0	-546	LU 11	-546	-10922	-76908	-7874	-10922	1	Si
613	0.068	11.4	0	-1144	LU 11	-1144	-10922	-76908	-7874	-10922	1	Si
671	0.068	11.4	0	-1741	LU 11	-1741	-10922	-76908	-7874	-10922	1	Si
700	0.068	11.4	0	-2039	LU 11	-2039	-10922	-76908	-7874	-10922	1	Si
758	0.068	7.6	0	-2637	LU 11	-2637	-9541	-76908	-7874	-9541	1	Si
817	0.068	7.6	0	-3234	LU 11	-3234	-9541	-76908	-7874	-9541	1	Si
853	0.068	12.97	0	-3601	LU 11	-3601	-11399	-76908	-7874	-11399	1	Si
875	0	21.32	0	-3831	LU 11	-3831	-13454	-76908	0	-13454	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-757103	8	-712219	18.5	124.5	540.4	1837	-752267	1	-707628	18.4	93.4	0	+∞	Si
23	-668737	8	-668737	17.4	124.5	507.4	1837	-664391	1	-664391	17.3	93.4	0	+∞	Si
58	-536139	9	-642278	17.9	124.5	569.3	1837	-531754	2	-638033	17.8	93.4	0	+∞	Si
117	-343252	9	-436037	13.6	124.5	490.3	1837	-338587	2	-431512	13.4	93.4	0	+∞	Si
175	-179080	2	-257298	8.6	124.5	351.5	1837	-172216	2	-251787	8.4	93.4	0	+∞	Si
233	-42222	2	-107086	1.8	124.5	37.1	1837	-32643	2	-98860	4	93.4	0	+∞	Si
263	32796	4	86740	3.1	124.5	129.1	1837	31782	1	85225	3.1	93.4	0	+∞	Si
321	134477	8	175199	6.4	124.5	260.9	1837	132324	1	172413	6.3	93.4	0	+∞	Si
379	209492	8	236860	8.6	124.5	352.7	1837	206069	1	232804	8.5	93.4	0	+∞	Si
438	257711	8	271725	9.9	124.5	404.6	1837	253017	1	266398	9.7	93.4	0	+∞	Si
496	279133	8	279793	10.2	124.5	416.6	1837	273169	1	273195	9.9	93.4	0	+∞	Si
554	273758	8	279775	10.2	124.5	416.6	1837	266523	1	273173	9.9	93.4	0	+∞	Si
613	241586	8	260957	9.5	124.5	388.5	1837	233081	1	253085	9.2	93.4	0	+∞	Si
671	182617	8	215342	7.8	124.5	320.6	1837	172841	1	206200	7.5	93.4	0	+∞	Si
700	143084	8	182486	6.6	124.5	271.7	1837	132673	1	172708	6.3	93.4	0	+∞	Si
758	43920	8	96676	3.5	124.5	143.9	1837	32238	1	85627	3.1	93.4	0	+∞	Si
758	-16353	2	-78353	1.8	124.5	27.2	1837								Si
817	-147464	2	-222817	6	124.5	180.7	1837	-110735	2	-184735	5	93.4	0	+∞	Si
853	-241880	2	-241880	6	124.5	158.4	1837	-203483	2	-203483	5	93.4	0	+∞	Si
875	-305371	2	-272924	6.8	124.5	178.7	1837	-265927	2	-234003	5.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
58	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
117	0.001	-0.002	0	-0.002	0.001	-0.001	0	-0.001	0.001	0	0.002	1	0.001	1	9999	Si
175	0.007	0.003	0.006	0.002	0.007	0.005	0.005	0.004	0.006	0.005	0.015	1	0.012	1	9999	Si
233	0.014	0.009	0.012	0.007	0.014	0.011	0.012	0.009	0.014	0.012	0.031	1	0.028	1	9999	Si
263	0.018	0.012	0.016	0.01	0.018	0.015	0.015	0.013	0.018	0.016	0.04	1	0.036	1	9999	Si
321	0.026	0.019	0.022	0.016	0.025	0.022	0.021	0.019	0.025	0.023	0.056	1	0.052	1	9999	Si
379	0.032	0.024	0.028	0.021	0.031	0.027	0.027	0.024	0.031	0.029	0.07	1	0.065	1	9999	Si
438	0.036	0.028	0.031	0.024	0.035	0.031	0.03	0.027	0.035	0.033	0.079	1	0.074	1	9999	Si
496	0.038	0.029	0.033	0.025	0.036	0.033	0.032	0.028	0.036	0.034	0.082	1	0.077	1	9999	Si
554	0.037	0.028	0.032	0.024	0.036	0.032	0.031	0.028	0.035	0.033	0.08	1	0.075	1	9999	Si
613	0.033	0.025	0.029	0.022	0.032	0.029	0.028	0.025	0.032	0.03	0.073	1	0.068	1	9999	Si
671	0.028	0.02	0.024	0.018	0.027	0.023	0.023	0.02	0.026	0.025	0.06	1	0.056	1	9999	Si
700	0.024	0.018	0.021	0.015	0.023	0.02	0.02	0.018	0.023	0.021	0.052	1	0.048	1	9999	Si
758	0.016	0.011	0.014	0.01	0.015	0.013	0.013	0.011	0.015	0.014	0.035	1	0.032	1	9999	Si
817	0.008	0.005	0.007	0.004	0.007	0.006	0.006	0.005	0.007	0.007	0.016	1	0.015	1	9999	Si
853	0.003	0.002	0.002	0.001	0.003	0.002	0.002	0.002	0.003	0.002	0.006	1	0.005	1	9999	Si

Campata 4 tra i fili 53 - ?, sezione R 45x70, asta 960

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	15.21	5.4						-749736	LU 11	-637927	-3222619	0.107	Si
11	26.61	5.4	15.21	5.4						-640628	LU 11	-612270	-3222619	0.107	Si
22	26.61	5.4	15.21	5.4						-535293	LU 11	-535293	-3222619	0.107	Si
23	26.61	5.4	15.21	5.4						-533763	LU 11	-533763	-3222619	0.107	Si
34	25.57	5.4	15.21	5.4						-433731	LU 11	-533763	-3100091	0.105	Si
39	25.05	5.4	15.21	5.4						-384364	LU 11	-533763	-3037804	0.104	Si
50	23.99	5.4	15.21	5.4						-288461	LU 11	-533763	-2913405	0.102	Si
61	22.94	5.4	15.21	5.4	-109184	LU 8	28666	1872393	0.087	-196331	LU 11	-444123	-2788887	0.1	Si
73	19.01	5.4	15.21	5.4	-64382	LU 8	105395	1872544	0.088	-107974	LU 11	-345944	-2323187	0.094	Si
84	19.01	5.4	15.21	5.4	-10556	LU 9	179780	1872544	0.088	-39494	LU 10	-251538	-2323187	0.094	Si
95	19.01	5.4	15.21	5.4	58772	LU 12	250392	1872544	0.088	11713	LU 1	-160904	-2323187	0.094	Si
106	19.01	5.4	15.21	5.4	135433	LU 12	317243	1872544	0.088	51557	LU 1	-74044	-2323187	0.094	Si
117	19.01	5.4	15.21	5.4	208322	LU 12	380687	1872544	0.088	89151	LU 1	-17495	-2323187	0.094	Si
123	19.01	5.4	15.21	5.4	243351	LU 12	410994	1872544	0.088						Si
134	19.01	5.4	15.21	5.4	310580	LU 12	414153	1872544	0.088						Si
145	19.01	5.4	15.21	5.4	374386	LU 11	414153	1872544	0.088						Si
153	19.01	5.4	15.21	5.4	414153	LU 11	414153	1872544	0.088						Si
156	19.01	5.4	15.21	5.4	434447	LU 11	431959	1872544	0.088						Si
168	19.01	5.4	15.21	5.4	490735	LU 11	454095	1872544	0.088						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	21.81	0	9936	LU 11	9936	13681	76908	0	13681	1	Si
6	0	19.01	0	9771	LU 11	9771	12949	76908	0	12949	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
11	0	19.01	0	9602	LU 11	9602	12949	76908	0	12949	1	Si
22	0	19.01	0	9264	LU 11	9264	12949	76908	0	12949	1	Si
23	0.147	19.01	0	9259	LU 11	9259	12949	76908	17057	17057	1	Si
34	0.147	19.01	0	8926	LU 11	8926	12949	76908	17057	17057	1	Si
39	0.147	19.01	0	8757	LU 11	8757	12949	76908	17057	17057	1	Si
50	0.147	19.01	0	8419	LU 11	8419	12949	76908	17057	17057	1	Si
61	0.147	19.01	0	8082	LU 11	8082	12949	76908	17057	17057	1	Si
73	0.147	19.01	0	7744	LU 11	7744	12949	76908	17057	17057	1	Si
84	0.147	19.01	0	7406	LU 11	7406	12949	76908	17057	17057	1	Si
95	0.147	15.21	0	7068	LU 11	7068	12021	76908	17057	17057	1	Si
106	0.147	15.21	0	6730	LU 11	6730	12021	76908	17057	17057	1	Si
117	0.147	15.21	0	6392	LU 11	6392	12021	76908	17057	17057	1	Si
123	0.147	15.21	0	6223	LU 11	6223	12021	76908	17057	17057	1	Si
134	0.147	15.21	0	5885	LU 11	5885	12021	76908	17057	17057	1	Si
145	0.147	15.21	0	5548	LU 11	5548	12021	76908	17057	17057	1	Si
153	0.147	15.21	0	5326	LU 11	5326	12021	76908	17057	17057	1	Si
156	0	15.21	0	5210	LU 11	5210	12021	76908	0	12021	1	Si
168	0	15.21	0	4872	LU 11	4872	12021	76908	0	12021	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-555527	2	-472918	11.7	124.5	309.6	1837	-459101	2	-391949	9.7	93.4	0	+∞	Si
11	-474927	2	-453975	11.3	124.5	297.2	1837	-393647	2	-376616	9.3	93.4	0	+∞	Si
22	-397142	2	-397142	9.9	124.5	260	1837	-330612	2	-330612	8.2	93.4	0	+∞	Si
23	-396012	2	-396012	9.8	124.5	259.3	1837	-329698	2	-329698	8.2	93.4	0	+∞	Si
34	-322172	2	-396012	9.9	124.5	269.3	1837	-269996	2	-329698	8.3	93.4	0	+∞	Si
39	-285742	2	-396012	10	124.5	274.7	1837	-240595	2	-329698	8.3	93.4	0	+∞	Si
50	-214995	2	-396012	10.1	124.5	286.3	1837	-183607	2	-329698	8.4	93.4	0	+∞	Si
61	-147063	2	-329842	8.6	124.5	248.9	1837	-129039	2	-276194	7.2	93.4	0	+∞	Si
73	-81946	2	-257396	7.1	124.5	232.7	1837	-76889	2	-217747	6	93.4	0	+∞	Si
84	-30380	1	-187766	5.2	124.5	169.7	1837	-30380	1	-161719	4.5	93.4	0	+∞	Si
95	40743	3	181688	5.2	124.5	203.1	1837	20152	2	131921	3.7	93.4	0	+∞	Si
106	97163	3	230786	6.5	124.5	257.9	1837	65044	2	170516	4.8	93.4	0	+∞	Si
117	150768	3	277314	7.9	124.5	310	1837	107517	2	206691	5.9	93.4	0	+∞	Si
123	176515	3	299523	8.5	124.5	334.8	1837	127847	2	223872	6.3	93.4	0	+∞	Si
134	225897	3	301836	8.6	124.5	337.4	1837	166691	2	225657	6.4	93.4	0	+∞	Si
145	272697	2	301836	8.6	124.5	337.4	1837	203117	2	225657	6.4	93.4	0	+∞	Si
153	301836	2	301836	8.6	124.5	337.4	1837	225657	2	225657	6.4	93.4	0	+∞	Si
156	316701	2	314880	8.9	124.5	351.9	1837	237123	2	235725	6.7	93.4	0	+∞	Si
168	357889	2	331095	9.4	124.5	370.1	1837	268710	2	248242	7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
11	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
22	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
23	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
34	0.006	0.004	0.005	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.009	2	0.008	2	9999	Si
39	0.007	0.005	0.006	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.011	2	0.01	2	9999	Si
50	0.01	0.006	0.008	0.005	0.008	0.006	0.006	0.005	0.007	0.006	0.015	2	0.013	2	9999	Si
61	0.012	0.008	0.01	0.006	0.01	0.008	0.008	0.006	0.009	0.008	0.019	2	0.016	2	9999	Si
73	0.015	0.01	0.012	0.008	0.012	0.01	0.01	0.008	0.011	0.01	0.022	2	0.019	2	9999	Si
84	0.017	0.011	0.014	0.009	0.014	0.011	0.012	0.009	0.013	0.011	0.026	2	0.023	2	9999	Si
95	0.02	0.013	0.016	0.01	0.016	0.013	0.013	0.01	0.015	0.013	0.03	2	0.026	2	9999	Si
106	0.022	0.015	0.018	0.012	0.019	0.015	0.015	0.012	0.017	0.015	0.034	2	0.029	2	9999	Si
117	0.025	0.016	0.02	0.013	0.021	0.016	0.017	0.013	0.019	0.016	0.038	2	0.033	2	9999	Si
123	0.026	0.017	0.021	0.014	0.022	0.017	0.017	0.014	0.02	0.017	0.04	2	0.034	2	9999	Si
134	0.029	0.019	0.023	0.015	0.024	0.019	0.019	0.015	0.022	0.019	0.043	2	0.037	2	9999	Si
145	0.031	0.02	0.025	0.016	0.026	0.02	0.021	0.016	0.023	0.02	0.047	2	0.041	2	9999	Si
153	0.032	0.021	0.026	0.017	0.027	0.021	0.022	0.017	0.025	0.021	0.049	2	0.043	2	9999	Si
156	0.033	0.022	0.027	0.017	0.027	0.022	0.022	0.018	0.025	0.022	0.05	2	0.044	2	9999	Si
168	0.035	0.023	0.029	0.018	0.029	0.023	0.024	0.019	0.027	0.023	0.054	2	0.046	2	9999	Si

Campata 5 tra i fili ? - ?, sezione R 45x70, asta 961

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	15.21	5.4	490399	LU 11	490399	1872544	0.088						Si
15	19.01	5.4	15.21	5.4	573979	LU 11	704954	1872544	0.088						Si
19	19.01	5.4	15.21	5.4	593342	LU 11	718674	1872544	0.088						Si
37	19	5.4	15.95	5.4	678828	LU 11	776973	1960300	0.089						Si
56	16.36	5.4	12.08	5.4	746857	LU 11	817815	1502651	0.084						Si
75	13.72	5.4	14.58	5.4	797428	LU 11	841199	1798359	0.088						Si
84	11.8	5.4	13.95	5.4	816167	LU 11	846345	1723919	0.087						Si
103	7.6	5.4	11.4	5.4	840552	LU 11	847480	1422093	0.084						Si
121	7.6	5.4	11.4	5.4	847480	LU 11	847480	1422093	0.084						Si
140	7.6	5.4	11.4	5.4	836950	LU 11	847480	1422093	0.084						Si
159	7.6	5.4	11.4	5.4	808963	LU 11	844751	1422093	0.084						Si
177	7.6	5.4	11.4	5.4	763536	LU 11	826493	1422093	0.084						Si
196	11.8	5.4	11.4	5.4	700759	LU 11	790778	1422094	0.084						Si
215	15.04	5.4	11.4	5.4	620647	LU 11	737664	1422107	0.084						Si
224	16.36	5.4	11.4	5.4	574090	LU 11	704606	1422107	0.084						Si
243	19	5.4	11.4	5.4	467975	LU 11	625488	1422107	0.084						Si
261	19.01	5.4	11.4	5.4	344524	LU 11	529034	1422107	0.084						Si
265	19.01	5.4	11.4	5.4	317721	LU 11	507835	1422107	0.084						Si
280	19.01	5.4	11.4	5.4	203738	LU 11	197541	1422107	0.084						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.97	0	5982	LU 11	5982	11686	76908	0	11686	1	Si
15	0.115	13.95	0	5231	LU 11	5231	11680	76908	13338	13338	1	Si
19	0.115	13.95	0	5047	LU 11	5047	11680	76908	13338	13338	1	Si
37	0.115	11.4	0	4112	LU 11	4112	10922	76908	13338	13338	1	Si
56	0.115	11.4	0	3177	LU 11	3177	10922	76908	13338	13338	1	Si
75	0.115	11.4	0	2242	LU 11	2242	10922	76908	13338	13338	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
84	0.115	11.4	0	1774	LU 11	1774	10922	76908	13338	13338	1	Si
103	0.101	11.4	0	839	LU 11	839	10922	76908	11671	11671	1	Si
121	0.101	11.4	0	-100	LU 12	-100	-10922	-76908	-11671	-11671	1	Si
140	0.101	11.4	0	-1035	LU 12	-1035	-10922	-76908	-11671	-11671	1	Si
159	0.101	11.4	0	-1970	LU 12	-1970	-10922	-76908	-11671	-11671	1	Si
177	0.101	11.4	0	-2902	LU 12	-2902	-10922	-76908	-11671	-11671	1	Si
196	0.129	11.4	0	-3830	LU 12	-3830	-10922	-76908	-15005	-15005	1	Si
215	0.129	11.4	0	-4759	LU 12	-4759	-10922	-76908	-15005	-15005	1	Si
224	0.129	11.4	0	-5223	LU 12	-5223	-10922	-76908	-15005	-15005	1	Si
243	0.129	11.4	0	-6152	LU 12	-6152	-10922	-76908	-15005	-15005	1	Si
261	0.129	11.4	0	-7081	LU 12	-7081	-10922	-76908	-15005	-15005	1	Si
265	0.129	11.4	0	-7263	LU 12	-7263	-10922	-76908	-15005	-15005	1	Si
280	0	11.4	0	-8009	LU 12	-8009	-10922	-76908	0	-10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	357640	2	357640	10.1	124.5	399.7	1837	268507	2	268507	7.6	93.4	0	+∞	Si
15	419677	2	516917	14.7	124.5	577.7	1837	320281	2	401548	11.4	93.4	0	+∞	Si
19	434050	2	527105	14.9	124.5	589.1	1837	332281	2	410075	11.6	93.4	0	+∞	Si
37	497516	2	570413	15.9	124.5	608.8	1837	385315	2	446384	12.5	93.4	0	+∞	Si
56	548037	2	600776	19	124.5	840.5	1837	427609	2	471952	15	93.4	0	+∞	Si
75	585615	2	618194	19	124.5	722.5	1837	459163	2	486781	14.9	93.4	0	+∞	Si
84	599549	2	622050	19.7	124.5	759.5	1837	470913	2	490168	15.5	93.4	0	+∞	Si
103	617710	2	622926	22.6	124.5	927.5	1837	486357	2	491062	17.8	93.4	0	+∞	Si
121	622926	2	622926	22.6	124.5	927.5	1837	491062	2	491062	17.8	93.4	0	+∞	Si
140	615199	2	622926	22.6	124.5	927.5	1837	485026	2	491062	17.8	93.4	0	+∞	Si
159	594527	2	620938	22.5	124.5	924.5	1837	468251	2	489579	17.8	93.4	0	+∞	Si
177	560923	2	607480	22.1	124.5	904.5	1837	440746	2	478789	17.4	93.4	0	+∞	Si
196	514454	2	581078	19.8	124.5	861.9	1837	402564	2	457259	15.6	93.4	0	+∞	Si
215	455131	2	541775	17.8	124.5	802.3	1837	353713	2	425024	14	93.4	0	+∞	Si
224	420649	2	517302	16.7	124.5	765.5	1837	325287	2	404905	13.1	93.4	0	+∞	Si
243	342044	2	458716	14.4	124.5	678	1837	260434	2	356666	11.2	93.4	0	+∞	Si
261	250585	2	387275	12.1	124.5	571.8	1837	184913	2	297759	9.3	93.4	0	+∞	Si
265	230726	2	371572	11.7	124.5	549.2	1837	168506	2	284802	8.9	93.4	0	+∞	Si
280	146271	2	141729	4.4	124.5	209.5	1837	98722	2	95200	3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.035	0.023	0.029	0.018	0.029	0.023	0.024	0.019	0.027	0.023	0.054	2	0.046	2	9999	Si
15	0.038	0.025	0.031	0.02	0.031	0.025	0.025	0.02	0.029	0.025	0.058	2	0.05	2	9999	Si
19	0.038	0.025	0.031	0.02	0.032	0.025	0.026	0.02	0.029	0.025	0.059	2	0.051	2	9999	Si
37	0.041	0.027	0.033	0.022	0.034	0.027	0.028	0.022	0.031	0.027	0.063	2	0.055	2	9725	Si
56	0.043	0.028	0.035	0.023	0.036	0.029	0.029	0.023	0.033	0.029	0.067	2	0.058	2	9181	Si
75	0.045	0.03	0.037	0.024	0.038	0.03	0.031	0.024	0.035	0.03	0.07	2	0.061	2	8799	Si
84	0.046	0.03	0.037	0.024	0.038	0.03	0.031	0.025	0.035	0.03	0.071	2	0.062	2	8661	Si
103	0.047	0.031	0.038	0.025	0.039	0.031	0.032	0.025	0.036	0.031	0.072	2	0.063	2	8483	Si
121	0.047	0.031	0.038	0.025	0.039	0.031	0.032	0.025	0.036	0.031	0.073	2	0.063	2	8433	Si
140	0.046	0.03	0.038	0.024	0.039	0.031	0.031	0.025	0.036	0.031	0.072	2	0.063	2	8508	Si
159	0.045	0.03	0.037	0.024	0.038	0.03	0.031	0.024	0.035	0.03	0.071	2	0.061	2	8715	Si
177	0.044	0.028	0.036	0.023	0.036	0.029	0.029	0.023	0.033	0.029	0.068	2	0.059	2	9067	Si
196	0.042	0.027	0.034	0.021	0.035	0.027	0.028	0.022	0.032	0.027	0.064	2	0.055	2	9591	Si
215	0.039	0.025	0.031	0.02	0.032	0.026	0.026	0.02	0.03	0.026	0.06	2	0.051	2	9999	Si
224	0.038	0.024	0.03	0.019	0.031	0.024	0.025	0.019	0.028	0.024	0.057	2	0.049	2	9999	Si
243	0.034	0.022	0.027	0.017	0.028	0.022	0.022	0.017	0.026	0.022	0.051	2	0.044	2	9999	Si
261	0.03	0.019	0.024	0.015	0.025	0.02	0.02	0.015	0.023	0.02	0.045	2	0.039	2	9999	Si
265	0.03	0.018	0.024	0.014	0.024	0.019	0.019	0.015	0.022	0.019	0.044	2	0.038	2	9999	Si
280	0.027	0.016	0.021	0.012	0.022	0.017	0.017	0.013	0.02	0.017	0.039	2	0.033	2	9999	Si

Campata 6 tra i fili ? - 32, sezione R 45x70, asta 962

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4	203790	LU 11	197541	1422107	0.084						Si
11	19.01	5.4	11.4	5.4	94910	LU 11	94576	1422107	0.084						Si
15	19.01	5.4	11.4	5.4	57251	LU 2	57251	1422107	0.084	-13133	LU 17	-249442	-2323557	0.097	Si
22	19.01	5.4	11.4	5.4	-4793	LU 2	57251	1422107	0.084	-66052	LU 17	-330186	-2323557	0.097	Si
34	19.01	5.4	11.4	5.4	-101930	LU 2	57251	1422107	0.084	-149149	LU 17	-456191	-2323557	0.097	Si
45	19.01	5.4	11.4	5.4	-173252	LU 1	52265	1422107	0.084	-255897	LU 12	-585926	-2323557	0.097	Si
50	19.01	5.4	11.4	5.4	-207202	LU 1	5002	1422107	0.084	-317308	LU 12	-652191	-2323557	0.097	Si
61	19.01	5.4	11.4	5.4						-442928	LU 12	-787520	-2323557	0.097	Si
73	24.49	6	11.4	5.4						-572277	LU 12	-926577	-2942299	0.11	Si
84	26.06	6.1	11.4	5.4						-705356	LU 12	-1069364	-3120209	0.114	Si
95	27.64	6.2	11.4	5.4						-842163	LU 12	-1215879	-3297499	0.12	Si
106	29.22	6.3	11.4	5.4						-982700	LU 12	-1366125	-3472507	0.132	Si
117	30.41	6.4	11.4	5.4						-1126966	LU 12	-1501640	-3602910	0.141	Si
123	30.41	6.4	11.4	5.4						-1200498	LU 12	-1501640	-3602910	0.141	Si
134	30.41	6.4	11.4	5.4						-1350358	LU 12	-1501640	-3602910	0.141	Si
145	30.41	6.4	11.4	5.4						-1501640	LU 12	-1501640	-3602910	0.141	Si
145	30.41	6.4	11.4	5.4						-1503947	LU 12	-1503947	-3602910	0.141	Si
156	30.41	6.4	11.4	5.4						-1661265	LU 12	-1619636	-3602910	0.141	Si
168	30.41	6.4	11.4	5.4						-1822313	LU 12	-1658198	-3602910	0.141	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	-9583	LU 11	-9583	-10922	-76908	0	-10922	1	Si
11	0	11.4	0	-9917	LU 11	-9917	-10922	-76908	0	-10922	1	Si
15	0.186	11.4	0	-10032	LU 11	-10032	-10922	-76908	-21546	-21546	1	Si
22	0.186	19.01	0	-10251	LU 11	-10251	-12949	-76908	-21546	-21546	1	Si
34	0.186	19.01	0	-10585	LU 11	-10585	-12949	-76908	-21546	-21546	1	Si
45	0.186	19.01	0	-10919	LU 11	-10919	-12949	-76908	-21546	-21546	1	Si
50	0.186	19.01	0	-11086	LU 11	-11086	-12949	-76908	-21546	-21546	1	Si
61	0.186	19.01	0	-11420	LU 11	-11420	-12949	-76908	-21546	-21546	1	Si
73	0.186	19.01	0	-11754	LU 11	-11754	-12891	-76198	-21347	-21347	1	Si
84	0.186	19.01	0	-12088	LU 11	-12088	-12878	-76049	-21305	-21305	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
95	0.186	19.01	0	-12422	LU 11	-12422	-12867	-75916	-21268	-21268	1	Si
106	0.186	19.01	0	-12756	LU 11	-12756	-12858	-75798	-21235	-21235	1	Si
117	0.186	19.01	0	-13090	LU 11	-13090	-12851	-75718	-21213	-21213	1	Si
123	0.186	19.01	0	-13257	LU 11	-13257	-12851	-75718	-21213	-21213	1	Si
134	0.186	24.49	0	-13591	LU 11	-13591	-13983	-75718	-21213	-21213	1	Si
145	0.186	26.06	0	-13920	LU 11	-13920	-14278	-75718	-21213	-21213	1	Si
145	0	26.06	0	-13925	LU 11	-13925	-14278	-75718	0	-14278	1	Si
156	0	27.64	0	-14259	LU 11	-14259	-14560	-75718	0	-14560	1	Si
168	0	29.22	0	-14593	LU 11	-14593	-14832	-75718	0	-14832	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	146301	2	141729	4.4	124.5	209.5	1837	98705	2	95200	3	93.4	0	+∞	Si
11	65774	2	65529	2.1	124.5	96.8	1837	32862	2	32673	1	93.4	0	+∞	Si
15	37414	2	37414	1.2	124.5	55.3	1837	9643	2	9643	0.3	93.4	0	+∞	Si
15	-9057	8	-188919	5.5	124.5	171.5	1837	-2259	1	-175094	5.1	93.4	0	+∞	Si
22	-49771	8	-248702	7.2	124.5	225.7	1837	-43019	1	-224288	6.5	93.4	0	+∞	Si
34	-113702	8	-342012	9.9	124.5	310.4	1837	-107023	1	-301149	8.7	93.4	0	+∞	Si
45	-193698	3	-438105	12.7	124.5	397.6	1837	-179028	2	-380403	11	93.4	0	+∞	Si
50	-239166	3	-487195	14.1	124.5	442.2	1837	-216437	2	-420928	12.2	93.4	0	+∞	Si
61	-332188	3	-587462	17	124.5	533.2	1837	-293051	2	-503773	14.6	93.4	0	+∞	Si
73	-427994	3	-690513	18.7	124.5	503.6	1837	-372058	2	-589011	15.9	93.4	0	+∞	Si
84	-526582	3	-796347	21.2	124.5	550	1837	-453459	2	-676643	18	93.4	0	+∞	Si
95	-627954	3	-904963	23.7	124.5	593.8	1837	-537253	2	-766668	20.1	93.4	0	+∞	Si
106	-732109	3	-1016363	26.3	124.5	635.4	1837	-623441	2	-859087	22.2	93.4	0	+∞	Si
117	-839047	3	-1116856	28.6	124.5	674.3	1837	-712022	2	-942526	24.1	93.4	0	+∞	Si
123	-893559	3	-1116856	28.6	124.5	674.3	1837	-757210	2	-942526	24.1	93.4	0	+∞	Si
134	-1004671	3	-1116856	28.6	124.5	674.3	1837	-849382	2	-942526	24.1	93.4	0	+∞	Si
145	-1116856	3	-1116856	28.6	124.5	674.3	1837	-942526	2	-942526	24.1	93.4	0	+∞	Si
145	-1118567	3	-1118567	28.6	124.5	675.4	1837	-943947	2	-943947	24.2	93.4	0	+∞	Si
156	-1235245	3	-1204364	30.8	124.5	727.2	1837	-1040905	2	-1015212	26	93.4	0	+∞	Si
168	-1354706	3	-1232961	31.6	124.5	744.4	1837	-1140257	2	-1038967	26.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.027	0.016	0.021	0.012	0.022	0.017	0.017	0.013	0.02	0.017	0.039	2	0.033	2	9999	Si
11	0.024	0.015	0.019	0.011	0.02	0.015	0.015	0.011	0.018	0.015	0.035	2	0.029	2	9999	Si
15	0.023	0.014	0.018	0.011	0.019	0.014	0.015	0.011	0.017	0.014	0.034	2	0.028	2	9999	Si
22	0.021	0.013	0.017	0.01	0.017	0.013	0.013	0.01	0.016	0.013	0.031	2	0.026	2	9999	Si
34	0.019	0.011	0.015	0.008	0.015	0.012	0.012	0.009	0.014	0.012	0.027	2	0.022	2	9999	Si
45	0.016	0.009	0.013	0.007	0.013	0.01	0.01	0.007	0.012	0.01	0.023	2	0.019	2	9999	Si
50	0.015	0.009	0.012	0.006	0.012	0.009	0.009	0.007	0.011	0.009	0.021	2	0.017	2	9999	Si
61	0.013	0.007	0.01	0.005	0.01	0.007	0.007	0.005	0.009	0.007	0.018	2	0.014	2	9999	Si
73	0.011	0.006	0.008	0.004	0.008	0.006	0.006	0.004	0.007	0.006	0.014	2	0.011	2	9999	Si
84	0.008	0.004	0.006	0.003	0.006	0.004	0.005	0.003	0.006	0.004	0.011	2	0.008	2	9999	Si
95	0.006	0.003	0.005	0.002	0.005	0.003	0.003	0.002	0.004	0.003	0.008	2	0.006	2	9999	Si
106	0.005	0.002	0.003	0.001	0.003	0.002	0.002	0.001	0.003	0.002	0.005	2	0.004	2	9999	Si
117	0.003	0.001	0.002	0	0.002	0.001	0.001	0	0.002	0.001	0.003	2	0.002	2	9999	Si
123	0.002	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
134	0.001	0	0.001	0	0.001	0	0	0	0	0	0.001	2	0	2	9999	Si
145	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
145	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
156	0	0	0	0	0	0	0	0	0	0	0	2	-0.001	2	9999	Si

Campata 7 tra i fili 32 - ?, sezione R 45x70, asta 963

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	6.4	11.4	5.4						-1663789	LU 11	-1477091	-3602910	0.141	Si
12	30.41	6.4	11.4	5.4						-1474227	LU 11	-1431044	-3602910	0.141	Si
23	30.41	6.4	11.4	5.4						-1305823	LU 11	-1305823	-3602910	0.141	Si
35	30.41	6.4	11.4	5.4						-1120200	LU 11	-1305823	-3602910	0.141	Si
47	30.14	6.4	11.4	5.4						-955737	LU 11	-1305823	-3573832	0.139	Si
52	29.26	6.3	11.4	5.4						-876643	LU 11	-1291581	-3475952	0.132	Si
64	25.96	6.3	11.4	5.4						-724729	LU 11	-1118820	-3099007	0.114	Si
76	22.66	6.2	11.4	5.4						-581182	LU 11	-954426	-2718252	0.106	Si
87	19.36	6.1	11.4	5.4						-446001	LU 11	-798399	-2336641	0.099	Si
99	12.35	5.4	11.4	5.4						-319186	LU 11	-650737	-1533779	0.085	Si
105	10.73	5.4	11.4	5.4	-158807	LU 8	12206	1422094	0.084	-258917	LU 11	-580044	-1341826	0.082	Si
111	11.28	5.4	11.4	5.4	-123776	LU 8	58767	1422094	0.084	-200738	LU 11	-511443	-1407091	0.083	Si
122	12.38	5.4	11.4	5.4	-57190	LU 8	148038	1422094	0.084	-90657	LU 11	-380514	-1537599	0.085	Si
134	13.48	5.4	11.4	5.4	12834	LU 9	154683	1422094	0.084	-471	LU 10	-257952	-1668091	0.087	Si
140	14.03	5.4	11.4	5.4	59558	LU 12	154683	1422107	0.084	28576	LU 1	-199809	-1733302	0.088	Si
152	15.21	5.4	11.4	5.4	154683	LU 12	154683	1422107	0.084	86614	LU 1	-82382	-1873055	0.09	Si
163	15.21	5.4	11.4	5.4	229595	LU 12	214202	1422107	0.084						Si
175	15.21	5.4	11.4	5.4	302063	LU 12	236088	1422107	0.084						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	25.96	0	16610	LU 12	16610	14258	75718	0	14258	1	Si
12	0	22.66	0	15893	LU 12	15893	13626	75718	0	13626	1	Si
17	0	21.01	0	15534	LU 12	15534	13287	75718	0	13287	1	Si
23	0.186	19.36	0	15227	LU 12	15227	12930	75718	21213	21213	1	Si
35	0.186	12.35	0	14459	LU 12	14459	11129	75718	21213	21213	1	Si
47	0.186	11.28	0	13741	LU 12	13741	10800	75735	21218	21218	1	Si
52	0.186	11.83	0	13383	LU 12	13383	10977	75789	21233	21233	1	Si
64	0.186	12.93	0	12666	LU 12	12666	11311	75849	21249	21249	1	Si
76	0.186	14.03	0	11949	LU 12	11949	11629	75926	21271	21271	1	Si
87	0.186	15.13	0	11231	LU 12	11231	11933	76029	21300	21300	1	Si
99	0.186	15.21	0	10514	LU 12	10514	12021	76908	21546	21546	1	Si
111	0.186	15.21	0	9797	LU 12	9797	12021	76908	21546	21546	1	Si
122	0.186	15.21	0	9080	LU 12	9080	12021	76908	21546	21546	1	Si
134	0.186	11.4	0	8363	LU 12	8363	10922	76908	21546	21546	1	Si
140	0.186	11.4	0	8004	LU 12	8004	10922	76908	21546	21546	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
152	0.186	11.4	0	7236	LU 12	7236	10922	76908	21546	21546	1	Si
163	0	11.4	0	6570	LU 12	6570	10922	76908	0	10922	1	Si
175	0	11.4	0	5853	LU 12	5853	10922	76908	0	10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1240613	2	-1101716	28.2	124.5	665.2	1837	-1062140	2	-944704	24.2	93.4	0	+∞	Si
12	-1099571	2	-1067444	27.3	124.5	644.5	1837	-942825	2	-915660	23.4	93.4	0	+∞	Si
23	-974245	2	-974245	24.9	124.5	588.2	1837	-836679	2	-836679	21.4	93.4	0	+∞	Si
35	-836073	2	-974245	24.9	124.5	588.2	1837	-719501	2	-836679	21.4	93.4	0	+∞	Si
47	-713616	2	-974245	25	124.5	592.8	1837	-615492	2	-836679	21.5	93.4	0	+∞	Si
52	-654712	2	-963645	24.9	124.5	602	1837	-565401	2	-827697	21.4	93.4	0	+∞	Si
64	-541549	2	-835045	22.3	124.5	583	1837	-469045	2	-718629	19.2	93.4	0	+∞	Si
76	-434582	2	-712640	19.9	124.5	564.6	1837	-377792	2	-614662	17.1	93.4	0	+∞	Si
87	-333810	2	-596431	17.4	124.5	547.1	1837	-291641	2	-515798	15.1	93.4	0	+∞	Si
99	-239233	2	-486417	16.3	124.5	668.7	1837	-210591	2	-422035	14.1	93.4	0	+∞	Si
111	-150852	2	-382599	13.2	124.5	574.1	1837	-134644	2	-333375	11.5	93.4	0	+∞	Si
122	-68666	2	-284976	9.5	124.5	390.8	1837	-63799	2	-249817	8.4	93.4	0	+∞	Si
134	8435	9	114670	3.8	124.5	170	1837	1943	2	94867	3.2	93.4	0	+∞	Si
134	-362	1	-193549	6.3	124.5	244.5	1837	-362	1	-171361	5.6	93.4	0	+∞	Si
140	43515	3	114670	3.8	124.5	169.9	1837	32902	2	94867	3.2	93.4	0	+∞	Si
152	114670	3	114670	3.8	124.5	169.8	1837	94867	2	94867	3.1	93.4	0	+∞	Si
163	170762	3	159215	5.2	124.5	235.8	1837	143979	2	133766	4.4	93.4	0	+∞	Si
175	225092	3	175595	5.8	124.5	260	1837	191864	2	148071	4.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
23	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
35	-0.001	-0.002	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.003	1	-0.004	1	9999	Si
47	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.003	1	-0.004	1	9999	Si
52	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
64	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
76	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.002	2	-0.002	2	9999	Si
87	0.001	0.001	0	-0.001	0.001	0.001	-0.001	-0.001	0.001	0.001	-0.001	2	-0.001	2	9999	Si
99	0.002	0.001	0	0	0.002	0.001	0	0	0.002	0.001	0.001	2	0	2	9999	Si
111	0.003	0.002	0.001	0.001	0.003	0.002	0.001	0.001	0.002	0.002	0.002	2	0.002	2	9999	Si
122	0.004	0.003	0.002	0.001	0.004	0.003	0.001	0.001	0.003	0.003	0.004	2	0.004	2	9999	Si
134	0.005	0.004	0.003	0.002	0.005	0.004	0.002	0.002	0.004	0.004	0.006	2	0.005	2	9999	Si
140	0.006	0.004	0.003	0.002	0.005	0.004	0.003	0.002	0.005	0.004	0.007	2	0.006	2	9999	Si
152	0.007	0.005	0.004	0.003	0.006	0.005	0.003	0.003	0.006	0.005	0.008	2	0.008	2	9999	Si
163	0.008	0.006	0.005	0.003	0.007	0.006	0.004	0.003	0.007	0.006	0.01	2	0.009	2	9999	Si
175	0.009	0.007	0.005	0.004	0.008	0.007	0.005	0.004	0.007	0.007	0.012	2	0.011	2	9999	Si

Campata 8 tra i fili ? - 15, sezione R 45x70, asta 964

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	301291	LU 12	301291	1422107	0.084						Si
17	15.21	5.4	11.4	5.4	368373	LU 12	368373	1422107	0.084						Si
23	15.21	5.4	11.4	5.4	385765	LU 12	449855	1422107	0.084						Si
34	14.12	5.4	11.4	5.4	417690	LU 12	460322	1422107	0.084						Si
51	12.52	5.4	11.4	5.4	449243	LU 12	463266	1422094	0.084						Si
60	11.72	5.4	11.4	5.4	458359	LU 12	463266	1422094	0.084						Si
77	7.6	5.4	11.4	5.4	463266	LU 12	463266	1422093	0.084						Si
94	7.6	5.4	11.4	5.4	450451	LU 11	463266	1422093	0.084						Si
111	7.6	5.4	11.4	5.4	420000	LU 11	460825	1422093	0.084						Si
128	7.6	5.4	11.4	5.4	371785	LU 11	442908	1422093	0.084						Si
145	7.6	5.4	11.4	5.4	305805	LU 11	407306	1422093	0.084						Si
162	10.61	5.4	11.4	5.4	222062	LU 11	353939	1422094	0.084						Si
179	12.22	5.4	11.4	5.4	120554	LU 11	282808	1422094	0.084	79520	LU 4	-95911	-1518426	0.085	Si
196	13.82	5.4	11.4	5.4	20277	LU 10	193912	1422094	0.084	-4462	LU 3	-245730	-1708546	0.087	Si
204	14.62	5.4	11.4	5.4	-20947	LU 1	142803	1422107	0.084	-66165	LU 12	-321658	-1803590	0.089	Si
221	15.21	5.4	11.4	5.4	-101415	LU 1	38888	1422107	0.084	-212254	LU 12	-321658	-1873055	0.09	Si
233	15.21	5.4	11.4	5.4						-321658	LU 12	-321658	-1873055	0.09	Si
238	15.21	5.4	11.4	5.4						-376106	LU 12	-369081	-1873055	0.09	Si
255	15.21	5.4	11.4	5.4						-557723	LU 12	-432165	-1873055	0.09	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	4478	LU 11	4478	10922	76908	0	10922	1	Si
17	0	11.4	0	3434	LU 11	3434	10922	76908	0	10922	1	Si
23	0.072	11.4	0	3095	LU 11	3095	10922	76908	8336	10922	1	Si
34	0.072	11.4	0	2389	LU 11	2389	10922	76908	8336	10922	1	Si
51	0.072	11.4	0	1344	LU 11	1344	10922	76908	8336	10922	1	Si
60	0.072	11.4	0	821	LU 11	821	10922	76908	8336	10922	1	Si
77	0.072	11.4	0	-247	LU 18	-247	-10922	-76908	-8336	-10922	1	Si
94	0.115	11.4	0	-1279	LU 12	-1279	-10922	-76908	-13338	-13338	1	Si
111	0.115	11.4	0	-2324	LU 12	-2324	-10922	-76908	-13338	-13338	1	Si
128	0.115	11.4	0	-3369	LU 12	-3369	-10922	-76908	-13338	-13338	1	Si
145	0.115	11.4	0	-4414	LU 12	-4414	-10922	-76908	-13338	-13338	1	Si
162	0.115	11.4	0	-5459	LU 12	-5459	-10922	-76908	-13338	-13338	1	Si
179	0.144	11.4	0	-6504	LU 12	-6504	-10922	-76908	-16673	-16673	1	Si
196	0.144	11.4	0	-7548	LU 12	-7548	-10922	-76908	-16673	-16673	1	Si
204	0.144	7.6	0	-8071	LU 12	-8071	-9541	-76908	-16673	-16673	1	Si
221	0.144	7.6	0	-9116	LU 12	-9116	-9541	-76908	-16673	-16673	1	Si
233	0.144	11.41	0	-9823	LU 12	-9823	-10925	-76908	-16673	-16673	1	Si
238	0	11.41	0	-10161	LU 12	-10161	-10925	-76908	0	-10925	1	Si
255	0	13.02	0	-11206	LU 12	-11206	-11414	-76908	0	-11414	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	224498	3	224498	7.4	124.5	331.8	1837	191269	2	191269	6.3	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
17	274232	3	274232	9	124.5	406.1	1837	232537	2	232537	7.6	93.4	0	+∞	Si
23	287130	3	334689	11	124.5	495.6	1837	243260	2	282958	9.3	93.4	0	+∞	Si
34	310810	3	342480	11.4	124.5	507.5	1837	262972	2	289584	9.6	93.4	0	+∞	Si
51	334235	3	344706	11.7	124.5	511.3	1837	282573	2	291664	9.9	93.4	0	+∞	Si
60	341014	3	344706	11.8	124.5	511.5	1837	288312	2	291664	10	93.4	0	+∞	Si
77	344706	3	344706	12.5	124.5	513.2	1837	291664	2	291664	10.6	93.4	0	+∞	Si
94	335273	2	344706	12.5	124.5	513.2	1837	284182	2	291664	10.6	93.4	0	+∞	Si
111	312769	2	342916	11.8	124.5	510.6	1837	265868	2	290280	10.5	93.4	0	+∞	Si
128	277111	2	329700	12	124.5	490.9	1837	236721	2	279657	10.2	93.4	0	+∞	Si
145	228299	2	303382	11	124.5	451.7	1837	196740	2	258201	9.4	93.4	0	+∞	Si
162	166332	2	263909	9.2	124.5	392	1837	145926	2	225912	7.9	93.4	0	+∞	Si
179	91210	2	211282	7.2	124.5	313.4	1837	84279	2	182789	6.2	93.4	0	+∞	Si
196	15598	1	145500	4.9	124.5	215.6	1837	15598	1	128834	4.3	93.4	0	+∞	Si
204	-46903	3	-236000	7.5	124.5	275.6	1837	-28504	2	-183709	5.8	93.4	0	+∞	Si
221	-155024	3	-236000	7.4	124.5	265.4	1837	-117234	2	-183709	5.7	93.4	0	+∞	Si
233	-236000	3	-236000	7.4	124.5	265.4	1837	-183709	2	-183709	5.7	93.4	0	+∞	Si
238	-276300	3	-271100	8.4	124.5	304.9	1837	-216797	2	-212527	6.6	93.4	0	+∞	Si
255	-410731	3	-317792	9.9	124.5	357.4	1837	-327193	2	-250861	7.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.009	0.007	0.005	0.004	0.008	0.007	0.005	0.004	0.007	0.007	0.012	2	0.011	2	9999	Si
17	0.01	0.008	0.006	0.005	0.009	0.008	0.005	0.005	0.008	0.008	0.014	2	0.012	2	9999	Si
23	0.01	0.008	0.006	0.005	0.009	0.008	0.006	0.005	0.008	0.008	0.014	2	0.013	2	9999	Si
34	0.011	0.008	0.007	0.005	0.009	0.008	0.006	0.005	0.009	0.008	0.015	2	0.014	2	9999	Si
51	0.011	0.009	0.007	0.006	0.01	0.009	0.007	0.006	0.009	0.009	0.016	2	0.015	2	9999	Si
60	0.011	0.009	0.008	0.006	0.01	0.009	0.007	0.006	0.01	0.009	0.017	2	0.015	2	9999	Si
77	0.011	0.009	0.008	0.006	0.01	0.009	0.007	0.006	0.01	0.009	0.017	2	0.016	2	9999	Si
85	0.011	0.009	0.008	0.006	0.01	0.009	0.007	0.006	0.01	0.009	0.017	2	0.016	2	9999	Si
94	0.011	0.009	0.008	0.006	0.01	0.009	0.007	0.006	0.01	0.009	0.017	2	0.016	2	9999	Si
111	0.011	0.008	0.007	0.006	0.01	0.008	0.007	0.006	0.009	0.008	0.016	2	0.015	2	9999	Si
128	0.01	0.008	0.007	0.005	0.009	0.008	0.006	0.005	0.009	0.008	0.015	2	0.014	2	9999	Si
145	0.009	0.007	0.006	0.005	0.008	0.007	0.006	0.005	0.008	0.007	0.014	2	0.013	2	9999	Si
162	0.008	0.006	0.005	0.004	0.007	0.006	0.005	0.004	0.007	0.006	0.012	2	0.011	2	9999	Si
179	0.006	0.005	0.004	0.003	0.006	0.005	0.004	0.003	0.005	0.005	0.01	2	0.009	2	9999	Si
196	0.005	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
204	0.004	0.003	0.003	0.002	0.004	0.003	0.002	0.002	0.004	0.003	0.006	2	0.006	2	9999	Si
221	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
233	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
238	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Campata 9 tra i fili 15 - 4, sezione R 45x70, asta 965

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4						-781549	LU 12	-642780	-1873055	0.09	Si
23	15.21	5.4	11.4	5.4						-519513	LU 12	-519513	-1873055	0.09	Si
45	15.15	5.4	11.4	5.4						-285293	LU 12	-519513	-1866941	0.09	Si
68	13.02	5.4	11.4	5.4	-61838	LU 2	126559	1422094	0.084	-97963	LU 17	-348699	-1613493	0.086	Si
91	10.88	5.4	11.4	5.4	85432	LU 11	255323	1422094	0.084	22634	LU 8	-140335	-1359946	0.083	Si
102	7.6	5.4	11.4	5.4	158222	LU 11	307863	1422093	0.084	65376	LU 8	-68828	-970824	0.078	Si
125	7.6	5.4	11.4	5.4	280118	LU 11	389257	1422093	0.084						Si
147	7.6	5.4	11.4	5.4	370434	LU 11	439070	1422093	0.084						Si
170	7.6	5.4	11.4	5.4	429168	LU 11	457302	1422093	0.084						Si
193	7.6	5.4	11.4	5.4	456322	LU 11	458057	1422093	0.084						Si
215	7.6	5.4	11.4	5.4	451896	LU 11	458057	1422093	0.084						Si
238	12.32	5.4	20.43	5.4	415889	LU 11	455377	2491550	0.099						Si
261	15.52	5.4	22.81	5.4	348301	LU 11	428291	2773151	0.1						Si
272	17.12	5.4	20.59	5.4	302664	LU 11	402906	2511035	0.095						Si
295	17.19	5.4	20.54	5.4	187706	LU 11	328449	2505034	0.095						Si
317	13.97	5.4	16.69	5.4	67718	LU 10	221509	2049092	0.091						Si
340	7.6	5.4	12.15	5.4						-138740	LU 12	-45501	-970924	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.02	0	12344	LU 11	12344	11414	76908	0	11414	1	Si
23	0.201	10.88	0	10961	LU 11	10961	10752	76908	23342	23342	1	Si
45	0.201	7.6	0	9558	LU 11	9558	9541	76908	23342	23342	1	Si
68	0.201	7.6	0	8164	LU 11	8164	9541	76908	23342	23342	1	Si
91	0.201	11.4	0	6771	LU 11	6771	10922	76908	23342	23342	1	Si
102	0.156	11.4	0	6074	LU 11	6074	10922	76908	18071	18071	1	Si
125	0.156	11.4	0	4681	LU 11	4681	10922	76908	18071	18071	1	Si
147	0.156	11.4	0	3288	LU 11	3288	10922	76908	18071	18071	1	Si
170	0.156	11.4	0	1895	LU 11	1895	10922	76908	18071	18071	1	Si
193	0.156	11.4	0	657	LU 10	657	10922	76908	18071	18071	1	Si
215	0.156	11.4	0	-896	LU 12	-896	-10922	-76908	-18071	-18071	1	Si
238	0.156	11.4	0	-2289	LU 12	-2289	-10922	-76908	-18071	-18071	1	Si
261	0.172	11.4	0	-3682	LU 12	-3682	-10922	-76908	-20007	-20007	1	Si
272	0.172	11.4	0	-4379	LU 12	-4379	-10922	-76908	-20007	-20007	1	Si
295	0.172	16.69	0	-5772	LU 12	-5772	-12401	-76908	-20007	-20007	1	Si
317	0.172	16.69	0	-7176	LU 12	-7176	-12401	-76908	-20007	-20007	1	Si
340	0	13.97	0	-8559	LU 12	-8559	-11685	-76908	0	-11685	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-584366	3	-481261	15	124.5	541.2	1837	-507724	2	-421173	13.1	93.4	0	+∞	Si
23	-389635	3	-389635	12.1	124.5	438.1	1837	-344076	2	-344076	10.7	93.4	0	+∞	Si
45	-215492	3	-389635	12.1	124.5	439.6	1837	-197334	2	-344076	10.7	93.4	0	+∞	Si
68	-75085	8	-262642	8.6	124.5	343.1	1837	-73324	1	-237096	7.8	93.4	0	+∞	Si
91	60366	2	187056	6.5	124.5	277.8	1837	36021	2	144531	5	93.4	0	+∞	Si
102	114613	2	226307	8.2	124.5	336.9	1837	82323	2	178483	6.5	93.4	0	+∞	Si
125	205567	2	287269	10.4	124.5	427.7	1837	160483	2	231943	8.4	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
147	273135	2	324845	11.8	124.5	483.7	1837	219384	2	266145	9.7	93.4	0	+∞	Si
170	317318	2	339035	12.3	124.5	504.8	1837	259026	2	281087	10.2	93.4	0	+∞	Si
193	338115	2	339744	12.3	124.5	505.8	1837	279410	2	282379	10.3	93.4	0	+∞	Si
215	335526	2	339744	12.3	124.5	505.8	1837	280534	2	282379	10.3	93.4	0	+∞	Si
238	309551	2	337909	9.4	124.5	285.9	1837	262399	2	281576	7.9	93.4	0	+∞	Si
261	260191	2	318541	8.3	124.5	241.6	1837	225006	2	268883	7	93.4	0	+∞	Si
272	226741	2	300087	7.9	124.5	250.6	1837	199087	2	255314	6.7	93.4	0	+∞	Si
295	142302	2	245640	6.4	124.5	205.6	1837	132806	2	213732	5.6	93.4	0	+∞	Si
317	52091	1	167144	4.9	124.5	171.4	1837	52091	1	152368	4.4	93.4	0	+∞	Si
340	-97925	3	-27010	0.6	124.5	9.3	1837	-57534	2	-9971	0.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si
45	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.002	2	9999	Si
68	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
91	0.006	0.004	0.004	0.003	0.005	0.004	0.003	0.003	0.005	0.004	0.008	2	0.007	2	9999	Si
102	0.007	0.005	0.005	0.003	0.006	0.005	0.004	0.003	0.005	0.005	0.009	2	0.008	2	9999	Si
125	0.008	0.006	0.006	0.004	0.007	0.006	0.005	0.004	0.006	0.006	0.012	2	0.01	2	9999	Si
147	0.009	0.007	0.007	0.005	0.008	0.007	0.006	0.005	0.007	0.007	0.014	2	0.012	2	9999	Si
170	0.01	0.007	0.007	0.005	0.008	0.007	0.006	0.005	0.008	0.007	0.015	2	0.013	2	9999	Si
193	0.01	0.007	0.007	0.005	0.009	0.007	0.006	0.005	0.008	0.007	0.015	2	0.014	2	9999	Si
215	0.01	0.007	0.007	0.005	0.008	0.007	0.006	0.005	0.008	0.007	0.015	2	0.013	2	9999	Si
238	0.009	0.006	0.006	0.005	0.008	0.006	0.006	0.005	0.007	0.007	0.013	2	0.012	2	9999	Si
261	0.007	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.006	0.011	2	0.01	2	9999	Si
272	0.006	0.005	0.005	0.004	0.006	0.005	0.004	0.004	0.005	0.005	0.01	2	0.009	2	9999	Si
295	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.006	2	9999	Si
317	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si

Campata 10 tra i fili 4 - 4, sezione R 45x70, asta 966

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	12.15	5.4						-2913	LU 12	-166	-970924	0.078	Si
2	7.6	5.4	7.6	5.4						-2537	LU 12	-165	-970067	0.076	Si
3	7.6	5.4	7.6	5.4						-2188	LU 12	-163	-970067	0.076	Si
5	7.6	5.4	7.6	5.4						-1864	LU 12	-159	-970067	0.076	Si
6	7.6	5.4	7.6	5.4						-1566	LU 18	-153	-970067	0.076	Si
7	7.6	5.4	7.6	5.4						-1427	LU 18	-150	-970067	0.076	Si
9	7.6	5.4	7.6	5.4						-1168	LU 18	-142	-970067	0.076	Si
10	7.6	5.4	7.6	5.4						-935	LU 18	-133	-970067	0.076	Si
12	7.6	5.4	7.6	5.4						-728	LU 18	-122	-970067	0.076	Si
14	7.6	5.4	7.6	5.4						-547	LU 18	-110	-970067	0.076	Si
15	7.6	5.4	7.6	5.4						-392	LU 17	-96	-970067	0.076	Si
17	7.6	5.4	7.6	5.4						-262	LU 17	-80	-970067	0.076	Si
18	7.6	5.4	7.6	5.4						-159	LU 17	-63	-970067	0.076	Si
19	7.6	5.4	7.6	5.4						-117	LU 13	-54	-970067	0.076	Si
20	0	0	0	0						-81	LU 13	-44	0	0	Si
21	0	0	0	0						-52	LU 13	-34	0	0	Si
22	0	0	0	0						-13	LU 13	-13	0	0	Si
23	0	0	0	0						-10	LU 13	-10	0	0	Si
24	0	0	0	0						0	LU 13	-10	0	0	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	0	0	244	LU 11	244	8999	76908	0	8999	1	Si
2	0	0	0	228	LU 11	228	8999	76908	0	8999	1	Si
3	0	0	0	212	LU 11	212	8999	76908	0	8999	1	Si
5	0	0	0	195	LU 11	195	8999	76908	0	8999	1	Si
6	0	0	0	179	LU 11	179	8999	76908	0	8999	1	Si
7	0	0	0	171	LU 11	171	8999	76908	0	8999	1	Si
9	0	0	0	155	LU 11	155	8999	76908	0	8999	1	Si
10	0	0	0	138	LU 11	138	8999	76908	0	8999	1	Si
12	0	0	0	122	LU 11	122	8999	76908	0	8999	1	Si
14	0	0	0	106	LU 11	106	8999	76908	0	8999	1	Si
15	0	0	0	90	LU 11	90	8999	76908	0	8999	1	Si
17	0	0	0	73	LU 11	73	8999	76908	0	8999	1	Si
18	0	0	0	57	LU 11	57	8999	76908	0	8999	1	Si
19	0	0	0	49	LU 11	49	8999	76908	0	8999	1	Si
21	0	0	0	33	LU 11	33	9547	83337	0	9547	1	Si
22	0	0	0	16	LU 11	16	9547	83337	0	9547	1	Si
23	0.743	0	0	14	LU 11	14	9547	83337	93430	83337	1	Si
24	0.743	0	0	0	Ger.	0	9547	83337	93430	83337	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-2240	3	-128	0	124.5	0	1837	-2240	2	-128	0	93.4	0	+∞	Si
2	-1952	3	-127	0	124.5	0	1837	-1952	2	-127	0	93.4	0	+∞	Si
3	-1683	3	-125	0	124.5	0	1837	-1683	2	-125	0	93.4	0	+∞	Si
5	-1434	3	-122	0	124.5	0	1837	-1434	2	-122	0	93.4	0	+∞	Si
6	-1205	9	-118	0	124.5	0	1837	-1205	2	-118	0	93.4	0	+∞	Si
7	-1098	9	-116	0	124.5	0	1837	-1098	2	-116	0	93.4	0	+∞	Si
9	-899	9	-110	0	124.5	0	1837	-899	2	-110	0	93.4	0	+∞	Si
10	-719	9	-102	0	124.5	0	1837	-719	2	-102	0	93.4	0	+∞	Si
12	-560	9	-94	0	124.5	0	1837	-560	2	-94	0	93.4	0	+∞	Si
14	-421	9	-84	0	124.5	0	1837	-421	2	-84	0	93.4	0	+∞	Si
15	-301	8	-74	0	124.5	0	1837	-301	1	-74	0	93.4	0	+∞	Si
17	-202	8	-62	0	124.5	0	1837	-202	1	-62	0	93.4	0	+∞	Si
18	-122	8	-48	0	124.5	0	1837	-122	1	-48	0	93.4	0	+∞	Si
19	-90	4	-41	0	124.5	0	1837	-90	1	-41	0	93.4	0	+∞	Si
21	-40	4	-26	0	0	0	1837	-40	1	-26	0	0	0	+∞	Si
22	-10	4	-10	0	0	0	1837	-10	1	-10	0	0	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
23	-8	4	-8	0	0	0	1837	-8	1	-8	0	0	0	+∞	Si
24	0	4	-8	0	0	0	1837	0	1	-8	0	0	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
2	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
3	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
5	0	-0.001	0	0	0	-0.001	0	0	0	-0.001	-0.001	1	-0.001	1	9999	Si
6	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
7	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	0	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
9	-0.001	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
10	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
12	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
14	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
15	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.002	1	-0.002	1	9999	Si
17	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.002	1	-0.003	1	9999	Si
18	-0.002	-0.003	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
19	-0.002	-0.003	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
21	-0.002	-0.003	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
22	-0.002	-0.003	-0.001	-0.002	-0.002	-0.003	-0.001	-0.001	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
23	-0.002	-0.003	-0.001	-0.002	-0.002	-0.003	-0.001	-0.001	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
24	-0.002	-0.003	-0.001	-0.002	-0.002	-0.003	-0.001	-0.002	-0.002	-0.003	-0.003	1	-0.004	1	9999	Si

Trave a "Piano 1" 76-4A

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 76 - 73, sezione R 45x70, asta 969

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	22.81	5.4	324716	LU 10	324716	2772667	0.095						Si
23	22.81	5.4	22.81	5.4	330941	LU 10	330923	2772667	0.095						Si
28	22.81	5.4	22.81	5.4	331364	LU 10	332023	2772667	0.095						Si
46	22.81	5.4	22.81	5.4	331751	LU 10	332023	2772667	0.095						Si
69	22.81	5.4	22.81	5.4	327145	LU 10	331894	2772667	0.095						Si
92	22.59	5.4	22.81	5.4	317123	LU 10	328717	2772660	0.095						Si
104	20.42	5.4	22.81	5.4	310081	LU 10	325098	2772824	0.096						Si
127	16.09	5.4	20.49	5.4	296611	LU 12	313798	2499176	0.096						Si
150	7.6	5.4	11.4	5.4	280693	LU 18	300008	1422093	0.084						Si
173	7.6	5.4	11.4	5.4	260294	LU 18	285005	1422093	0.084						Si
196	7.6	5.4	11.4	5.4	234479	LU 18	266035	1422093	0.084						Si
219	7.6	5.4	11.4	5.4	203248	LU 18	241649	1422093	0.084						Si
242	7.6	5.4	11.4	5.4	166601	LU 18	211847	1422093	0.084						Si
265	13.97	5.4	15.92	5.4	124539	LU 18	176630	1957002	0.09	53337	LU 1	-2582	-1725799	0.087	Si
276	15.59	5.4	17.46	5.4	101477	LU 18	156990	2140382	0.092	32298	LU 1	-33355	-1918424	0.088	Si
299	18.84	5.4	19.01	5.4	55163	LU 9	113650	2322845	0.092	-16775	LU 10	-82436	-2303566	0.092	Si
323	19.01	5.4	19.01	5.4	13417	LU 9	64284	2322809	0.092	-82436	LU 10	-82436	-2322809	0.092	Si
345	19.01	5.4	19.01	5.4						-150546	LU 10	-115210	-2322809	0.092	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	761	LU 18	761	13760	76908	0	13760	1	Si
23	0	22.81	0	526	LU 18	526	13760	76908	0	13760	1	Si
28	0.172	22.81	0	480	LU 18	480	13760	76908	20007	20007	1	Si
46	0.172	22.81	0	309	LU 9	309	13760	76908	20007	20007	1	Si
46	0.172	22.81	0	-83	LU 10	-83	-13760	-76908	-20007	-20007	1	Si
69	0.172	18.17	0	128	LU 9	128	12757	76908	20007	20007	1	Si
69	0.172	18.17	0	-318	LU 10	-318	-12757	-76908	-20007	-20007	1	Si
92	0.172	11.4	0	-553	LU 10	-553	-10922	-76908	-20007	-20007	1	Si
104	0.162	11.4	0	-671	LU 10	-671	-10922	-76908	-18824	-18824	1	Si
127	0.162	11.4	0	-907	LU 10	-907	-10922	-76908	-18824	-18824	1	Si
150	0.162	11.4	0	-1142	LU 10	-1142	-10922	-76908	-18824	-18824	1	Si
173	0.162	11.4	0	-1378	LU 10	-1378	-10922	-76908	-18824	-18824	1	Si
196	0.162	15.92	0	-1613	LU 10	-1613	-12205	-76908	-18824	-18824	1	Si
219	0.162	11.4	0	-1848	LU 10	-1848	-10922	-76908	-18824	-18824	1	Si
242	0.162	11.4	0	-2084	LU 10	-2084	-10922	-76908	-18824	-18824	1	Si
265	0.172	11.4	0	-2319	LU 10	-2319	-10922	-76908	-20007	-20007	1	Si
276	0.172	11.4	0	-2437	LU 10	-2437	-10922	-76908	-20007	-20007	1	Si
299	0.172	7.6	0	-2673	LU 10	-2673	-9541	-76908	-20007	-20007	1	Si
323	0.172	12.34	0	-2913	LU 10	-2913	-11213	-76908	-20007	-20007	1	Si
345	0	15.59	0	-3144	LU 10	-3144	-12122	-76908	0	-12122	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	249781	1	249781	6	124.5	188.1	1837	249781	1	249781	6	93.4	0	+∞	Si
23	254570	1	254556	6.1	124.5	191.7	1837	254570	1	254556	6.1	93.4	0	+∞	Si
28	254896	1	255402	6.1	124.5	191.8	1837	254896	1	255402	6.1	93.4	0	+∞	Si
46	255193	1	255402	6.1	124.5	191.8	1837	255193	1	255402	6.1	93.4	0	+∞	Si
69	251650	1	255303	6.1	124.5	192.3	1837	251650	1	255303	6.1	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
92	243941	1	252860	6	124.5	190.5	1837	243941	1	252860	6	93.4	0	+∞	Si
104	238524	1	250076	6.1	124.5	188.8	1837	238524	1	250076	6.1	93.4	0	+∞	Si
127	227683	3	241383	6.4	124.5	202.8	1837	225416	2	241383	6.4	93.4	0	+∞	Si
150	214655	9	230475	8.4	124.5	343.2	1837	208337	2	229099	8.3	93.4	0	+∞	Si
173	198083	9	218204	7.9	124.5	324.9	1837	187091	2	213119	7.7	93.4	0	+∞	Si
196	177345	9	202731	7.4	124.5	301.8	1837	161680	2	192973	7	93.4	0	+∞	Si
219	152442	9	183093	6.6	124.5	272.6	1837	132102	2	168661	6.1	93.4	0	+∞	Si
242	123373	9	159289	5.8	124.5	237.2	1837	98359	2	140183	5.1	93.4	0	+∞	Si
265	90138	9	131319	3.9	124.5	141	1837	60450	2	107539	3.2	93.4	0	+∞	Si
276	71958	9	115772	3.3	124.5	113.5	1837	39933	2	89655	2.5	93.4	0	+∞	Si
299	32474	9	81554	2.2	124.5	73.5	1837								Si
299	-12904	1	-63412	1.7	124.5	57.6	1837	-12904	1	-63412	1.7	93.4	0	+∞	Si
323	-63412	1	-63412	1.7	124.5	57.1	1837	-63412	1	-63412	1.7	93.4	0	+∞	Si
345	-115805	1	-88623	2.3	124.5	79.8	1837	-115805	1	-88623	2.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
28	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
46	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
69	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.01	2	9999	Si
92	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.012	2	0.012	2	9999	Si
104	0.007	0.006	0.006	0.005	0.007	0.006	0.005	0.005	0.007	0.006	0.013	2	0.013	2	9999	Si
127	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.014	2	0.014	2	9999	Si
150	0.008	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.014	2	0.014	2	9999	Si
173	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.014	2	0.014	2	9999	Si
196	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.013	2	0.013	2	9999	Si
219	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.012	2	0.012	2	9999	Si
242	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.01	2	9999	Si
265	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
276	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
299	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
323	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Campata 2 tra i fili 73 - 71, sezione R 45x70, asta 970

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	278615	LU 12	243455	2322809	0.092						Si
19	19.01	5.4	19.01	5.4	217567	LU 12	216612	2322809	0.092						Si
23	19.01	5.4	19.01	5.4	205811	LU 12	205811	2322809	0.092						Si
38	19.01	5.4	18.49	5.4	152825	LU 12	205811	2261260	0.092						Si
57	17.28	5.4	15.93	5.4	84386	LU 12	187573	1958285	0.089	41486	LU 1	-42739	-2118471	0.091	Si
76	14.59	5.4	11.4	5.4	14711	LU 9	121093	1422107	0.084	-8255	LU 10	-110580	-1800440	0.089	Si
85	13.25	5.4	11.4	5.4	-14860	LU 9	86467	1422094	0.084	-40734	LU 10	-146393	-1641103	0.087	Si
104	7.6	5.4	11.4	5.4	-76136	LU 9	33002	1422093	0.084	-108465	LU 10	-228906	-970824	0.078	Si
123	7.6	5.4	11.4	5.4	-136918	LU 8	41317	1422093	0.084	-184658	LU 11	-315934	-970824	0.078	Si
142	7.6	5.4	11.4	5.4	-196164	LU 1	44089	1422093	0.084	-269322	LU 12	-406658	-970824	0.078	Si
161	7.6	5.4	11.4	5.4	-256792	LU 1	41317	1422093	0.084	-358088	LU 12	-501077	-970824	0.078	Si
180	7.6	5.4	11.4	5.4	-320264	LU 1	33002	1422093	0.084	-450548	LU 12	-599193	-970824	0.078	Si
190	7.6	5.4	11.4	5.4	-353066	LU 1	26765	1422093	0.084	-498165	LU 12	-649636	-970824	0.078	Si
199	18.9	5.4	11.4	5.4	-386579	LU 1	19143	1422107	0.084	-546705	LU 12	-701004	-2310488	0.097	Si
209	21.58	5.4	11.4	5.4	-420802	LU 1	10135	1422107	0.084	-596169	LU 12	-753295	-2628495	0.102	Si
228	26.96	5.4	13.67	5.4						-697870	LU 12	-860650	-3263417	0.11	Si
247	30.41	5.4	14.95	5.4						-803265	LU 12	-892091	-3671247	0.115	Si
262	30.41	5.4	15.21	5.4						-892091	LU 12	-892091	-3671293	0.114	Si
266	30.41	5.4	15.21	5.4						-912357	LU 12	-910822	-3671293	0.114	Si
285	30.41	5.4	15.21	5.4						-1025145	LU 12	-957376	-3671293	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.65	0	-3116	LU 12	-3116	-11872	-76908	0	-11872	1	Si
19	0	11.4	0	-3310	LU 12	-3310	-10922	-76908	0	-10922	1	Si
23	0.101	11.4	0	-3346	LU 12	-3346	-10922	-76908	-11671	-11671	1	Si
38	0.101	11.4	0	-3505	LU 12	-3505	-10922	-76908	-11671	-11671	1	Si
57	0.101	11.4	0	-3699	LU 12	-3699	-10922	-76908	-11671	-11671	1	Si
76	0.101	11.4	0	-3894	LU 12	-3894	-10922	-76908	-11671	-11671	1	Si
85	0.101	7.6	0	-3991	LU 12	-3991	-9541	-76908	-11671	-11671	1	Si
104	0.111	7.6	0	-4186	LU 12	-4186	-9541	-76908	-12838	-12838	1	Si
123	0.111	7.6	0	-4380	LU 12	-4380	-9541	-76908	-12838	-12838	1	Si
142	0.111	14.59	0	-4575	LU 12	-4575	-11857	-76908	-12838	-12838	1	Si
161	0.111	7.6	0	-4769	LU 12	-4769	-9541	-76908	-12838	-12838	1	Si
180	0.111	7.6	0	-4964	LU 12	-4964	-9541	-76908	-12838	-12838	1	Si
199	0.115	7.6	0	-5158	LU 12	-5158	-9541	-76908	-13338	-13338	1	Si
209	0.115	7.6	0	-5255	LU 12	-5255	-9541	-76908	-13338	-13338	1	Si
228	0.115	7.6	0	-5450	LU 12	-5450	-9541	-76908	-13338	-13338	1	Si
247	0.115	7.6	0	-5644	LU 12	-5644	-9541	-76908	-13338	-13338	1	Si
262	0.115	18.9	0	-5803	LU 12	-5803	-12924	-76908	-13338	-13338	1	Si
266	0	18.9	0	-5839	LU 12	-5839	-12924	-76908	0	-12924	1	Si
285	0	24.27	0	-6033	LU 12	-6033	-14048	-76908	0	-14048	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	208135	3	181693	4.8	124.5	163.7	1837	178766	2	155178	4.1	93.4	0	+∞	Si
19	162195	3	161475	4.3	124.5	145.5	1837	137646	2	136995	3.6	93.4	0	+∞	Si
23	153340	3	153340	4	124.5	138.1	1837	129679	2	129679	3.4	93.4	0	+∞	Si
38	113414	3	153340	4.1	124.5	141.9	1837	93683	2	129679	3.4	93.4	0	+∞	Si
57	61789	3	139602	4	124.5	149.4	1837	46877	2	117317	3.3	93.4	0	+∞	Si
76	7691	9	89484	3	124.5	132.6	1837								Si
76	-6350	1	-85061	2.7	124.5	99.5	1837	-6350	1	-85061	2.7	93.4	0	+∞	Si
85	-31334	1	-112558	3.7	124.5	144.5	1837	-31334	1	-112322	3.7	93.4	0	+∞	Si
104	-83434	1	-175093	3.9	124.5	60.7	1837	-83434	1	-170584	6.8	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
123	-141555	2	-241018	5.4	124.5	83.6	1837	-139331	2	-231690	9.3	93.4	0	+∞	Si
142	-205703	3	-309785	7	124.5	107.4	1837	-198930	2	-295638	11.9	93.4	0	+∞	Si
161	-272964	3	-381395	8.6	124.5	132.3	1837	-261371	2	-362429	14.5	93.4	0	+∞	Si
180	-343068	3	-455848	10.2	124.5	158.1	1837	-326656	2	-432063	17.3	93.4	0	+∞	Si
199	-416014	3	-533144	15.4	124.5	486.6	1837	-394783	2	-504540	14.6	93.4	0	+∞	Si
209	-453553	3	-572858	15.9	124.5	460.4	1837	-429913	2	-541845	15	93.4	0	+∞	Si
228	-530764	3	-654418	16.5	124.5	424.1	1837	-502305	2	-618586	15.6	93.4	0	+∞	Si
247	-610817	3	-678312	16.2	124.5	391.2	1837	-577539	2	-641103	15.3	93.4	0	+∞	Si
262	-678312	3	-678312	16.2	124.5	391	1837	-641103	2	-641103	15.3	93.4	0	+∞	Si
266	-693714	3	-692548	16.5	124.5	399.2	1837	-655617	2	-654520	15.6	93.4	0	+∞	Si
285	-779453	3	-727927	17.4	124.5	419.6	1837	-736537	2	-687865	16.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	2	-0.001	2	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
38	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
57	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
76	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
85	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si
104	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
123	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
142	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.012	1	-0.013	1	9999	Si
161	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
180	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.014	1	-0.014	1	9999	Si
199	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
209	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
228	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
247	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
262	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
266	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si

Campata 3 tra i fili 71 - 68, sezione R 45x70, asta 971

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-922757	LU 12	-860291	-3671293	0.114	Si
21	30.41	5.4	15.21	5.4						-810928	LU 12	-810518	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-800333	LU 12	-800333	-3671293	0.114	Si
41	30.41	5.4	15.21	5.4						-703401	LU 12	-800333	-3671293	0.114	Si
62	28.05	5.4	13.9	5.4						-600177	LU 12	-747903	-3392250	0.112	Si
82	25.15	5.4	11.4	5.4	-335028	LU 1	12444	1422107	0.084	-501255	LU 12	-642880	-3049648	0.11	Si
92	23.7	5.4	11.4	5.4	-303756	LU 1	22931	1422107	0.084	-453407	LU 12	-591982	-2878594	0.107	Si
113	17.64	5.4	11.4	5.4	-243692	LU 1	39064	1422107	0.084	-360939	LU 12	-493413	-2161099	0.094	Si
133	14.74	5.4	11.4	5.4	-186939	LU 1	48745	1422107	0.084	-272772	LU 12	-399145	-1817491	0.089	Si
154	7.6	5.4	11.4	5.4	-131880	LU 8	51971	1422093	0.084	-189540	LU 11	-309181	-970824	0.078	Si
174	7.6	5.4	11.4	5.4	-75951	LU 8	48745	1422093	0.084	-111599	LU 11	-223518	-970824	0.078	Si
195	9.95	5.4	11.4	5.4	-16658	LU 9	72141	1422093	0.084	-47495	LU 10	-143733	-1250065	0.081	Si
215	10.92	5.4	11.4	5.4	43682	LU 18	137340	1422094	0.084	6981	LU 1	-72493	-1364754	0.083	Si
226	11.4	5.4	11.4	5.4	77719	LU 18	168327	1422094	0.084	27498	LU 1	-42771	-1422093	0.084	Si
246	15.33	5.4	17.13	5.4	142566	LU 18	227073	2100523	0.091						Si
267	17.26	5.4	19.01	5.4	203111	LU 18	253972	2322969	0.093						Si
285	19.01	5.4	19.01	5.4	253972	LU 18	253972	2322809	0.092						Si
287	19.01	5.4	19.01	5.4	259354	LU 18	259054	2322809	0.092						Si
308	19.01	5.4	19.01	5.4	311294	LU 18	283886	2322809	0.092						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	28.05	0	5577	LU 18	5577	14742	76908	0	14742	1	Si
21	0	25.15	0	5367	LU 18	5367	14216	76908	0	14216	1	Si
23	0.201	25.15	0	5346	LU 18	5346	14216	76908	23342	23342	1	Si
41	0.201	19.01	0	5157	LU 18	5157	12949	76908	23342	23342	1	Si
62	0.201	16.19	0	4947	LU 18	4947	12274	76908	23342	23342	1	Si
82	0.201	13.29	0	4737	LU 18	4737	11493	76908	23342	23342	1	Si
92	0.201	7.6	0	4632	LU 18	4632	9541	76908	23342	23342	1	Si
113	0.197	7.6	0	4422	LU 18	4422	9541	76908	22865	22865	1	Si
133	0.197	9.95	0	4213	LU 18	4213	10438	76908	22865	22865	1	Si
154	0.197	10.92	0	4003	LU 18	4003	10765	76908	22865	22865	1	Si
174	0.197	11.4	0	3793	LU 18	3793	10922	76908	22865	22865	1	Si
195	0.197	14.74	0	3583	LU 18	3583	11896	76908	22865	22865	1	Si
215	0.187	11.4	0	3373	LU 18	3373	10922	76908	21675	21675	1	Si
226	0.187	11.4	0	3268	LU 18	3268	10922	76908	21675	21675	1	Si
246	0.187	11.4	0	3058	LU 18	3058	10922	76908	21675	21675	1	Si
267	0.187	11.4	0	2848	LU 18	2848	10922	76908	21675	21675	1	Si
285	0.187	11.4	0	2659	LU 18	2659	10922	76908	21675	21675	1	Si
287	0	11.4	0	2639	LU 18	2639	10922	76908	0	10922	1	Si
308	0	17.13	0	2429	LU 18	2429	12507	76908	0	12507	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-697171	3	-649930	15.5	124.5	374.7	1837	-637343	2	-593964	14.2	93.4	0	+∞	Si
21	-612624	3	-612315	14.6	124.5	353	1837	-559834	2	-559555	13.3	93.4	0	+∞	Si
23	-604618	3	-604618	14.4	124.5	348.5	1837	-552514	2	-552514	13.2	93.4	0	+∞	Si
41	-531387	3	-604618	14.4	124.5	348.5	1837	-485634	2	-552514	13.2	93.4	0	+∞	Si
62	-453459	3	-565002	14	124.5	351.8	1837	-414744	2	-516307	12.8	93.4	0	+∞	Si
82	-378840	3	-485690	12.8	124.5	337.3	1837	-347164	2	-444034	11.7	93.4	0	+∞	Si
92	-342772	3	-447276	12.1	124.5	328.7	1837	-314614	2	-409138	11	93.4	0	+∞	Si
113	-273118	3	-372929	11	124.5	363.7	1837	-251998	2	-341829	10.1	93.4	0	+∞	Si
133	-206773	3	-301891	9.5	124.5	349.9	1837	-192691	2	-277829	8.7	93.4	0	+∞	Si
154	-144159	2	-234163	5.3	124.5	81.2	1837	-136694	2	-217139	8.7	93.4	0	+∞	Si
174	-85514	2	-169744	3.8	124.5	58.9	1837	-84006	2	-159758	6.4	93.4	0	+∞	Si
195	-36534	1	-109685	4	124.5	185.7	1837	-36534	1	-105686	3.8	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
215	30052	9	99955	3.5	124.5	148.4	1837	11441	2	71039	2.5	93.4	0	+∞	Si
226	55479	9	123035	4.2	124.5	182.6	1837	33235	2	90486	3.1	93.4	0	+∞	Si
246	103851	9	166714	4.7	124.5	166.6	1837	74340	2	126897	3.6	93.4	0	+∞	Si
267	148913	9	186673	5	124.5	168.4	1837	112135	2	143337	3.9	93.4	0	+∞	Si
285	186673	9	186673	4.9	124.5	168.2	1837	143337	2	143337	3.8	93.4	0	+∞	Si
287	190666	9	190441	5	124.5	171.6	1837	146621	2	146428	3.9	93.4	0	+∞	Si
308	229109	9	208855	5.5	124.5	188.1	1837	177797	2	161531	4.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
23	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
41	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.007	1	-0.007	1	9999	Si
62	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.009	1	-0.01	1	9999	Si
82	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
92	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
103	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
113	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
133	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
154	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.01	1	-0.01	1	9999	Si
174	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
195	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
215	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
226	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
246	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
267	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
285	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
287	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si

Campata 4 tra i fili 68 - 65, sezione R 45x70, asta 972

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	154319	LU 18	154319	2322809	0.092						Si
18	19.01	5.4	19.01	5.4	179883	LU 18	179883	2322809	0.092						Si
23	19.01	5.4	19.01	5.4	185653	LU 18	218618	2322809	0.092						Si
36	17.73	5.4	19.01	5.4	202131	LU 18	230983	2322885	0.093						Si
54	16.04	5.4	19.01	5.4	221061	LU 18	244557	2323058	0.094						Si
72	11.4	5.4	16.79	5.4	236675	LU 18	255337	2060975	0.093						Si
81	11.4	5.4	15.58	5.4	243238	LU 18	259600	1917344	0.091						Si
99	10.56	5.4	11.4	5.4	254313	LU 12	265638	1422094	0.084						Si
117	9.71	5.4	11.4	5.4	262391	LU 12	268359	1422093	0.084						Si
135	7.6	5.4	15.85	5.4	267152	LU 12	268596	1949737	0.094						Si
153	7.6	5.4	11.4	5.4	268596	LU 12	268596	1422093	0.084						Si
171	7.6	5.4	11.4	5.4	266723	LU 12	268596	1422093	0.084						Si
189	13.89	5.4	15.58	5.4	261533	LU 12	268194	1917095	0.09						Si
207	16.43	5.4	18	5.4	253027	LU 12	265044	2204109	0.092						Si
216	17.7	5.4	19.01	5.4	247529	LU 12	262226	2322968	0.093						Si
234	19.01	5.4	19.01	5.4	234047	LU 12	254100	2322809	0.092						Si
247	19.01	5.4	19.01	5.4	221655	LU 12	245821	2322809	0.092						Si
252	19.01	5.4	19.01	5.4	217248	LU 12	217248	2322809	0.092						Si
270	19.01	5.4	19.01	5.4	197132	LU 12	197132	2322809	0.092						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18	0	1582	LU 11	1582	12717	76908	0	12717	1	Si
18	0	15.58	0	1398	LU 11	1398	12119	76908	0	12119	1	Si
23	0.172	11.4	0	1352	LU 11	1352	10922	76908	20007	20007	1	Si
36	0.172	11.4	0	1213	LU 11	1213	10922	76908	20007	20007	1	Si
54	0.172	11.4	0	1029	LU 11	1029	10922	76908	20007	20007	1	Si
72	0.172	15.85	0	845	LU 11	845	12188	76908	20007	20007	1	Si
81	0.172	15.85	0	753	LU 11	753	12188	76908	20007	20007	1	Si
99	0.166	11.4	0	568	LU 11	568	10922	76908	19223	19223	1	Si
117	0.166	11.4	0	384	LU 11	384	10922	76908	19223	19223	1	Si
135	0.166	16.79	0	200	LU 11	200	12425	76908	19223	19223	1	Si
153	0.166	11.4	0	16	LU 11	16	10922	76908	19223	19223	1	Si
153	0.166	11.4	0	-59	LU 8	-59	-10922	-76908	-19223	-19223	1	Si
171	0.166	11.4	0	-240	LU 17	-240	-10922	-76908	-19223	-19223	1	Si
189	0.172	15.85	0	-424	LU 17	-424	-12188	-76908	-20007	-20007	1	Si
207	0.172	15.85	0	-609	LU 17	-609	-12188	-76908	-20007	-20007	1	Si
216	0.172	11.4	0	-701	LU 17	-701	-10922	-76908	-20007	-20007	1	Si
234	0.172	11.4	0	-885	LU 17	-885	-10922	-76908	-20007	-20007	1	Si
247	0.172	11.4	0	-1023	LU 17	-1023	-10922	-76908	-20007	-20007	1	Si
252	0	15.58	0	-1069	LU 17	-1069	-12119	-76908	0	-12119	1	Si
270	0	18	0	-1254	LU 17	-1254	-12717	-76908	0	-12717	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	112823	9	112823	3	124.5	101.6	1837	83708	2	83708	2.2	93.4	0	+∞	Si
18	132611	9	132611	3.5	124.5	119.5	1837	104309	2	104309	2.7	93.4	0	+∞	Si
23	137080	9	162637	4.3	124.5	146.5	1837	108980	2	135849	3.6	93.4	0	+∞	Si
36	149848	9	172241	4.6	124.5	155.3	1837	122358	2	146062	3.9	93.4	0	+∞	Si
54	164534	9	182806	5	124.5	165.1	1837	137855	2	157439	4.3	93.4	0	+∞	Si
72	176667	9	191169	5.8	124.5	195.4	1837	150801	2	166264	5	93.4	0	+∞	Si
81	181778	9	194471	6	124.5	213.6	1837	156317	2	169720	5.2	93.4	0	+∞	Si
99	190375	3	199161	6.9	124.5	295.8	1837	165436	2	174718	6.1	93.4	0	+∞	Si
117	196635	3	201300	7.1	124.5	299.2	1837	172003	2	177164	6.2	93.4	0	+∞	Si
135	200343	3	201500	6.5	124.5	218.7	1837	176018	2	177482	5.7	93.4	0	+∞	Si
153	201500	3	201500	7.3	124.5	300	1837	177482	2	177482	6.4	93.4	0	+∞	Si
171	200105	3	201500	7.3	124.5	300	1837	176395	2	177482	6.4	93.4	0	+∞	Si
189	196159	3	201208	6	124.5	220.5	1837	172756	2	177309	5.3	93.4	0	+∞	Si
207	189661	3	198831	5.5	124.5	189.1	1837	166566	2	175240	4.8	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
216	185455	3	196686	5.3	124.5	177.4	1837	162514	2	173248	4.6	93.4	0	+∞	Si
234	175130	3	190481	5	124.5	171.6	1837	152496	2	167351	4.4	93.4	0	+∞	Si
247	165632	3	184147	4.9	124.5	165.9	1837	143229	2	161248	4.2	93.4	0	+∞	Si
252	162253	3	162253	4.3	124.5	146.2	1837	139927	2	139927	3.7	93.4	0	+∞	Si
270	146825	3	146825	3.9	124.5	132.3	1837	124806	2	124806	3.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
23	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
36	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
54	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.005	2	9999	Si
72	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.006	2	9999	Si
81	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
99	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
117	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
135	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
153	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
171	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
189	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.007	2	9999	Si
207	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
216	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
234	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
247	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
252	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Campata 5 tra i fili 65 - 62, sezione R 45x70, asta 973

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	354669	LU 12	311670	2322809	0.092						Si
18	19.01	5.4	19.01	5.4	282384	LU 12	280921	2322809	0.092						Si
23	19.01	5.4	19.01	5.4	266186	LU 12	266186	2322809	0.092						Si
37	19.01	5.4	19.01	5.4	206594	LU 12	266186	2322809	0.092						Si
55	19.01	5.4	19.01	5.4	127302	LU 12	250272	2322809	0.092	77156	LU 1	-9611	-2322809	0.092	Si
74	19.01	5.4	16.86	5.4	44585	LU 11	172981	2068358	0.09	24606	LU 4	-92933	-2322978	0.093	Si
83	19.01	5.4	15.61	5.4	2940	LU 2	133022	1920788	0.088	-4228	LU 17	-138195	-2323124	0.094	Si
102	19.01	5.4	11.4	5.4	-58873	LU 1	50507	1422107	0.084	-86600	LU 18	-231753	-2323557	0.097	Si
120	19.01	5.4	11.4	5.4	-118001	LU 1	38978	1422107	0.084	-177816	LU 12	-328815	-2323557	0.097	Si
139	19.01	5.4	11.4	5.4	-179824	LU 1	41606	1422107	0.084	-272876	LU 12	-429381	-2323557	0.097	Si
157	19.01	5.4	11.4	5.4	-244343	LU 1	38978	1422107	0.084	-371440	LU 12	-533450	-2323557	0.097	Si
176	19.01	5.4	11.4	5.4	-311557	LU 1	31094	1422107	0.084	-473507	LU 12	-641023	-2323557	0.097	Si
194	24.97	6.4	11.4	5.4	-381466	LU 1	17955	1471377	0.09	-579079	LU 12	-752100	-2981226	0.112	Si
203	26.28	6.5	11.4	5.4	-417431	LU 1	9415	1482170	0.092	-633178	LU 12	-808953	-3125059	0.115	Si
222	28.9	6.8	11.4	5.4						-744005	LU 12	-925285	-3410096	0.131	Si
240	30.41	6.9	11.4	5.4						-858336	LU 12	-950503	-3572549	0.142	Si
255	30.41	6.9	11.4	5.4						-950503	LU 12	-950503	-3572549	0.142	Si
259	30.41	6.9	11.4	5.4						-976170	LU 12	-973912	-3572549	0.142	Si
277	30.41	6.9	11.4	5.4						-1097509	LU 12	-1022764	-3572549	0.142	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.1	0	-3813	LU 12	-3813	-12741	-76908	0	-12741	1	Si
18	0	15.61	0	-4002	LU 12	-4002	-12127	-76908	0	-12127	1	Si
23	0.215	15.61	0	-4043	LU 12	-4043	-12127	-76908	-25009	-25009	1	Si
37	0.215	11.4	0	-4191	LU 12	-4191	-10922	-76908	-25009	-25009	1	Si
55	0.215	11.4	0	-4381	LU 12	-4381	-10922	-76908	-25009	-25009	1	Si
74	0.215	11.4	0	-4570	LU 12	-4570	-10922	-76908	-25009	-25009	1	Si
83	0.215	11.4	0	-4665	LU 12	-4665	-10922	-76908	-25009	-25009	1	Si
102	0.217	19.01	0	-4854	LU 12	-4854	-12949	-76908	-25234	-25234	1	Si
120	0.217	19.01	0	-5044	LU 12	-5044	-12949	-76908	-25234	-25234	1	Si
139	0.217	19.01	0	-5233	LU 12	-5233	-12949	-76908	-25234	-25234	1	Si
157	0.217	19.01	0	-5422	LU 12	-5422	-12949	-76908	-25234	-25234	1	Si
176	0.217	19.01	0	-5612	LU 12	-5612	-12949	-76908	-25234	-25234	1	Si
194	0.23	19.01	0	-5801	LU 12	-5801	-12855	-75771	-26282	-26282	1	Si
203	0.23	19.01	0	-5896	LU 12	-5896	-12840	-75590	-26219	-26219	1	Si
222	0.23	19.01	0	-6085	LU 12	-6085	-12815	-75279	-26111	-26111	1	Si
240	0.23	19.01	0	-6275	LU 12	-6275	-12802	-75123	-26057	-26057	1	Si
255	0.23	24.97	0	-6423	LU 12	-6423	-14021	-75123	-26057	-26057	1	Si
259	0	24.97	0	-6464	LU 12	-6464	-14021	-75123	0	-14021	1	Si
277	0	27.59	0	-6654	LU 12	-6654	-14495	-75123	0	-14495	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	265533	3	233373	6.1	124.5	210.2	1837	231847	2	203937	5.4	93.4	0	+∞	Si
18	211436	3	210339	5.5	124.5	189.5	1837	184739	2	183777	4.8	93.4	0	+∞	Si
23	199302	3	199302	5.2	124.5	179.5	1837	174117	2	174117	4.6	93.4	0	+∞	Si
37	154643	3	199302	5.2	124.5	179.5	1837	134936	2	174117	4.6	93.4	0	+∞	Si
55	95155	3	187381	4.9	124.5	168.8	1837	82437	2	163680	4.3	93.4	0	+∞	Si
74	33025	2	129433	3.5	124.5	130.9	1837	27244	2	112721	3.1	93.4	0	+∞	Si
83	1147	2	99448	2.8	124.5	108.3	1837								Si
83	-3144	8	-104446	2.9	124.5	94.4	1837	-2440	1	-95696	2.6	93.4	0	+∞	Si
102	-65583	9	-174907	5.1	124.5	158.7	1837	-60600	2	-159168	4.6	93.4	0	+∞	Si
120	-134277	3	-248063	7.2	124.5	225.1	1837	-122532	2	-225335	6.5	93.4	0	+∞	Si
139	-205894	3	-323915	9.4	124.5	294	1837	-187159	2	-294197	8.5	93.4	0	+∞	Si
157	-280206	3	-402461	11.6	124.5	365.3	1837	-254481	2	-365754	10.6	93.4	0	+∞	Si
176	-357212	3	-483703	14	124.5	439	1837	-324499	2	-440007	12.7	93.4	0	+∞	Si
194	-436914	3	-567641	15.4	124.5	412.2	1837	-397211	2	-516954	14	93.4	0	+∞	Si
203	-477776	3	-610620	16.4	124.5	425.1	1837	-434578	2	-556439	14.9	93.4	0	+∞	Si
222	-561521	3	-698600	18.3	124.5	449.4	1837	-511334	2	-637430	16.7	93.4	0	+∞	Si
240	-647961	3	-717678	18.6	124.5	442.5	1837	-590784	2	-655023	17	93.4	0	+∞	Si
255	-717678	3	-717678	18.6	124.5	442.5	1837	-655023	2	-655023	17	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
259	-737097	3	-735388	19.1	124.5	453.4	1837	-672930	2	-671356	17.4	93.4	0	+∞	Si
277	-828927	3	-772347	20	124.5	476.2	1837	-757771	2	-705442	18.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
23	0	0	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
37	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
55	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
74	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
83	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
102	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.007	1	-0.008	1	9999	Si
120	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
139	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.01	1	-0.011	1	9999	Si
157	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
176	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.011	1	-0.012	1	9999	Si
194	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.011	1	-0.012	1	9999	Si
203	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.011	1	-0.011	1	9999	Si
222	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	1	-0.01	1	9999	Si
240	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
255	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	1	-0.005	1	9999	Si
259	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si

Campata 6 tra i fili 62 - 59, sezione R 45x70, asta 974

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	6.9	11.4	5.4						-1361655	LU 12	-1264657	-3572549	0.142	Si
19	30.41	6.9	11.4	5.4						-1198097	LU 12	-1196073	-3572549	0.142	Si
23	30.41	6.9	11.4	5.4						-1170143	LU 12	-1170143	-3572549	0.142	Si
38	30.41	6.9	11.4	5.4						-1038300	LU 12	-1170143	-3572549	0.142	Si
58	28.61	6.7	11.4	5.4						-882264	LU 12	-1120412	-3379569	0.128	Si
77	25.9	6.5	11.4	5.4	-482309	LU 1	10380	1479082	0.091	-729988	LU 12	-962433	-3083639	0.114	Si
86	24.55	6.3	11.4	5.4	-432432	LU 1	19547	1467911	0.09	-655261	LU 12	-884853	-2934553	0.111	Si
105	17.65	5.4	11.4	5.4	-334848	LU 1	33650	1422107	0.084	-508627	LU 12	-732515	-2162987	0.094	Si
125	14.94	5.4	11.4	5.4	-240156	LU 1	42112	1422107	0.084	-365753	LU 12	-583937	-1841767	0.089	Si
144	12.23	5.4	11.4	5.4	-148357	LU 1	44933	1422094	0.084	-226641	LU 12	-439121	-1520266	0.085	Si
163	9.6	5.4	11.4	5.4	-59452	LU 1	106805	1422093	0.084	-91289	LU 12	-298065	-1207635	0.081	Si
182	10.5	5.4	11.4	5.4	40302	LU 12	232692	1422094	0.084	26561	LU 1	-160770	-1314875	0.082	Si
201	11.4	5.4	17.78	5.4	168132	LU 12	354818	2178674	0.095	109680	LU 1	-27236	-1422106	0.084	Si
220	14.8	5.4	21.66	5.4	292201	LU 12	473183	2636792	0.099						Si
230	15.71	5.4	22.81	5.4	352825	LU 12	530955	2773137	0.1						Si
249	17.51	5.4	22.81	5.4	471253	LU 12	566141	2772922	0.098						Si
265	19.01	5.4	22.81	5.4	566141	LU 12	566141	2772814	0.097						Si
268	19.01	5.4	22.81	5.4	585920	LU 12	584408	2772814	0.097						Si
288	19.01	5.4	22.81	5.4	696826	LU 12	632726	2772814	0.097						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	27.26	0	8632	LU 12	8632	14437	75123	0	14437	1	Si
19	0	24.55	0	8435	LU 12	8435	13941	75123	0	13941	1	Si
23	0.23	24.55	0	8401	LU 12	8401	13941	75123	26057	26057	1	Si
38	0.23	17.65	0	8239	LU 12	8239	12490	75123	26057	26057	1	Si
58	0.23	14.94	0	8043	LU 12	8043	11829	75310	26122	26122	1	Si
77	0.23	12.23	0	7847	LU 12	7847	11089	75641	26237	26237	1	Si
86	0.23	9.15	0	7749	LU 12	7749	10078	75833	26304	26304	1	Si
105	0.226	10.05	0	7552	LU 12	7552	10471	76908	26188	26188	1	Si
125	0.226	10.95	0	7356	LU 12	7356	10776	76908	26188	26188	1	Si
144	0.226	11.4	0	7160	LU 12	7160	10922	76908	26188	26188	1	Si
163	0.226	15.71	0	6964	LU 12	6964	12152	76908	26188	26188	1	Si
182	0.226	11.4	0	6767	LU 12	6767	10922	76908	26188	26188	1	Si
201	0.215	11.4	0	6571	LU 12	6571	10922	76908	25009	25009	1	Si
220	0.215	11.4	0	6375	LU 12	6375	10922	76908	25009	25009	1	Si
230	0.215	11.4	0	6277	LU 12	6277	10922	76908	25009	25009	1	Si
249	0.215	11.4	0	6081	LU 12	6081	10922	76908	25009	25009	1	Si
265	0.215	17.78	0	5919	LU 12	5919	12665	76908	25009	25009	1	Si
268	0	17.78	0	5885	LU 12	5885	12665	76908	0	12665	1	Si
288	0	21.66	0	5688	LU 12	5688	13525	76908	0	13525	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1028752	3	-955328	24.8	124.5	589	1837	-942144	2	-874241	22.7	93.4	0	+∞	Si
19	-904966	3	-903435	23.4	124.5	557	1837	-827764	2	-826354	21.4	93.4	0	+∞	Si
23	-883816	3	-883816	22.9	124.5	544.9	1837	-808249	2	-808249	20.9	93.4	0	+∞	Si
38	-784073	3	-883816	22.9	124.5	544.9	1837	-716276	2	-808249	20.9	93.4	0	+∞	Si
58	-666074	3	-846189	22.2	124.5	548.9	1837	-607682	2	-773532	20.3	93.4	0	+∞	Si
77	-550967	3	-726694	19.5	124.5	511.9	1837	-501980	2	-663442	17.8	93.4	0	+∞	Si
86	-494498	3	-668032	18.2	124.5	492	1837	-450214	2	-609483	16.6	93.4	0	+∞	Si
105	-383731	3	-552876	16.4	124.5	538.7	1837	-348852	2	-503733	14.9	93.4	0	+∞	Si
125	-275856	3	-440614	13.8	124.5	503.9	1837	-250383	2	-400876	12.6	93.4	0	+∞	Si
144	-170875	3	-331245	11.1	124.5	459.5	1837	-154807	2	-300912	10.1	93.4	0	+∞	Si
163	-68786	3	-224769	8.3	124.5	394.3	1837	-62123	2	-203841	7.5	93.4	0	+∞	Si
182	30409	3	175326	6.1	124.5	260.4	1837	27667	2	158318	5.5	93.4	0	+∞	Si
201	126712	3	267241	7.9	124.5	258.5	1837	114564	2	240828	7.1	93.4	0	+∞	Si
220	220121	3	356262	9.5	124.5	284.2	1837	198569	2	320445	8.5	93.4	0	+∞	Si
230	265741	3	399688	10.3	124.5	303.1	1837	239486	2	359168	9.3	93.4	0	+∞	Si
249	354811	3	426127	10.8	124.5	322.5	1837	319151	2	382697	9.7	93.4	0	+∞	Si
265	426127	3	426127	10.6	124.5	322.1	1837	382697	2	382697	9.5	93.4	0	+∞	Si
268	440989	3	439852	10.9	124.5	331.8	1837	395923	2	394907	9.8	93.4	0	+∞	Si
288	524273	3	476156	11.8	124.5	359.9	1837	469802	2	427205	10.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	1	-0.005	1	9999	Si
23	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
38	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
58	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
77	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.012	1	9999	Si
86	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.013	1	9999	Si
105	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.012	1	9999	Si
125	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
144	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
163	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.008	1	-0.008	1	9999	Si
182	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.006	1	-0.006	1	9999	Si
201	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
220	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
230	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
249	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
265	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
268	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Campata 7 tra i fili 59 - 56, sezione R 45x70, asta 975

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	22.81	5.4	48174	LU 12	48174	2772814	0.097						Si
19	19.01	5.4	22.81	5.4	101448	LU 12	101448	2772814	0.097						Si
23	19.01	5.4	22.81	5.4	110751	LU 12	184061	2772814	0.097						Si
38	17.55	5.4	22.81	5.4	151027	LU 12	219703	2772954	0.098						Si
57	15.75	5.4	21.6	5.4	196910	LU 12	259931	2630752	0.098						Si
67	14.86	5.4	19.69	5.4	218465	LU 12	278659	2403646	0.095						Si
86	11.4	5.4	11.4	5.4	258804	LU 12	313344	1422094	0.084						Si
105	10.51	5.4	11.4	5.4	295448	LU 12	344333	1422094	0.084						Si
124	9.61	5.4	11.4	5.4	328395	LU 12	371626	1422093	0.084						Si
143	7.6	5.4	11.4	5.4	357647	LU 12	395223	1422093	0.084						Si
162	7.6	5.4	11.4	5.4	383203	LU 12	415125	1422093	0.084						Si
181	7.6	5.4	11.4	5.4	405064	LU 12	431331	1422093	0.084						Si
200	11.37	5.4	16.93	6.1	423228	LU 12	443841	2054885	0.094						Si
209	12.26	5.4	18.2	6.1	430925	LU 12	448711	2201262	0.096						Si
228	14.05	5.4	19.01	6.2	443546	LU 12	455677	2292895	0.096						Si
247	15.21	5.4	19.01	6.2	452471	LU 12	456908	2292825	0.095						Si
263	15.21	5.4	19.01	6.2	456908	LU 12	456908	2292825	0.095						Si
266	15.21	5.4	19.01	6.2	457701	LU 12	457598	2292825	0.095						Si
285	15.21	5.4	19.01	6.2	459235	LU 12	459235	2292825	0.095						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.69	0	2901	LU 12	2901	13102	76908	0	13102	1	Si
19	0	11.4	0	2707	LU 12	2707	10922	76908	0	10922	1	Si
23	0.172	11.4	0	2671	LU 12	2671	10922	76908	20007	20007	1	Si
38	0.172	11.4	0	2512	LU 12	2512	10922	76908	20007	20007	1	Si
57	0.172	11.4	0	2318	LU 12	2318	10922	76908	20007	20007	1	Si
67	0.172	11.4	0	2220	LU 12	2220	10922	76908	20007	20007	1	Si
86	0.172	11.4	0	2026	LU 12	2026	10922	76908	20007	20007	1	Si
105	0.161	11.4	0	1831	LU 12	1831	10922	76908	18673	18673	1	Si
124	0.161	15.65	0	1637	LU 12	1637	12136	76908	18673	18673	1	Si
143	0.161	17.77	0	1442	LU 12	1442	12661	76908	18673	18673	1	Si
162	0.161	11.4	0	1248	LU 12	1248	10922	76908	18673	18673	1	Si
181	0.161	11.4	0	1053	LU 12	1053	10922	76908	18673	18673	1	Si
200	0.158	11.4	0	859	LU 12	859	10868	76132	18155	18155	1	Si
209	0.158	11.4	0	762	LU 12	762	10860	76019	18128	18128	1	Si
228	0.158	11.4	0	567	LU 12	567	10856	75956	18113	18113	1	Si
247	0.158	11.4	0	372	LU 12	372	10856	75956	18113	18113	1	Si
263	0.158	16.93	0	214	LU 12	214	12383	75956	18113	18113	1	Si
266	0	16.93	0	178	LU 12	178	12383	75956	0	12383	1	Si
285	0	19.01	0	23	LU 3	23	12871	75956	0	12871	1	Si
285	0	19.01	0	-173	LU 10	-173	-12871	-75956	0	-12871	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	33563	3	33563	0.8	124.5	25.4	1837	17441	2	17441	0.4	93.4	0	+∞	Si
19	74238	3	74238	1.8	124.5	56.1	1837	56691	2	56691	1.4	93.4	0	+∞	Si
23	81338	3	137263	3.4	124.5	103.7	1837	63528	2	117272	2.9	93.4	0	+∞	Si
38	112070	3	164431	4.2	124.5	124.5	1837	93097	2	143278	3.6	93.4	0	+∞	Si
57	147060	3	195071	5.1	124.5	155.8	1837	126662	2	172492	4.5	93.4	0	+∞	Si
67	163488	3	209325	5.7	124.5	183	1837	142378	2	186034	5.1	93.4	0	+∞	Si
86	194213	3	235701	8.1	124.5	349.9	1837	171677	2	210984	7.3	93.4	0	+∞	Si
105	222096	3	259233	9	124.5	385	1837	198134	2	233091	8.1	93.4	0	+∞	Si
124	247135	3	279923	9.9	124.5	416.1	1837	221748	2	252355	8.9	93.4	0	+∞	Si
143	269332	3	297770	10.8	124.5	443.4	1837	242519	2	268777	9.8	93.4	0	+∞	Si
162	288685	3	312774	11.4	124.5	465.7	1837	260448	2	282356	10.3	93.4	0	+∞	Si
181	305196	3	324935	11.8	124.5	483.8	1837	275533	2	293091	10.6	93.4	0	+∞	Si
200	318864	3	334254	10.2	124.5	347.5	1837	287776	2	300984	9.2	93.4	0	+∞	Si
209	324632	3	337847	10	124.5	328.4	1837	292831	2	303865	9	93.4	0	+∞	Si
228	334036	3	342901	9.8	124.5	319.9	1837	300809	2	307493	8.8	93.4	0	+∞	Si
247	340596	3	343760	9.7	124.5	320.3	1837	305944	2	307945	8.6	93.4	0	+∞	Si
263	343760	3	343760	9.7	124.5	320.3	1837	307945	2	307945	8.6	93.4	0	+∞	Si
266	344314	3	344239	9.7	124.5	320.7	1837	308237	2	308182	8.7	93.4	0	+∞	Si
285	345189	3	345189	9.7	124.5	321.6	1837	307686	2	307686	8.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara	Frequente	Quasi permanente	Verifica

	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
19	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
23	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
38	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
57	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.007	2	9999	Si
67	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
86	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
105	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.012	2	0.012	2	9999	Si
124	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.013	2	0.013	2	9999	Si
143	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
152	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
162	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
181	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
200	0.006	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.012	2	0.012	2	9999	Si
209	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.012	2	0.011	2	9999	Si
228	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.009	2	9999	Si
247	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
263	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
266	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si

Campata 8 tra i fili 56 - ?, sezione R 45x70, asta 976

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	19.01	6.2	280339	LU 12	280339	2292825	0.095						Si
20	15.21	5.4	19.01	6.2	311591	LU 12	311591	2292825	0.095						Si
23	15.21	5.4	19.01	6.2	314845	LU 12	351914	2292825	0.095						Si
40	15.21	5.4	16.97	6.3	338679	LU 12	370347	2051502	0.092						Si
60	13.72	5.4	21.58	6	361604	LU 12	387270	2603820	0.1						Si
81	11.82	5.4	18.54	5.8	380365	LU 12	400030	2255114	0.096						Si
91	10.87	5.4	15.21	5.4	388185	LU 12	404848	1873106	0.09						Si
111	7.6	5.4	15.21	5.4	400701	LU 12	411363	1873491	0.092						Si
131	7.6	5.4	15.21	5.4	409054	LU 12	413713	1873491	0.092						Si
141	7.6	5.4	15.21	5.4	411669	LU 12	413776	1873491	0.092						Si
151	7.6	5.4	15.21	5.4	413243	LU 12	413776	1873491	0.092						Si
171	7.6	5.4	15.21	5.4	413268	LU 12	413776	1873491	0.092						Si
192	7.6	5.4	15.21	5.4	409130	LU 12	413716	1873491	0.092						Si
212	10.87	6	15.21	5.4	400829	LU 12	411417	1886899	0.095						Si
232	12.77	6.2	15.21	5.4	388364	LU 12	404953	1894654	0.096						Si
242	13.72	6.3	19.26	5.4	380570	LU 12	400160	2378093	0.105						Si
262	15.21	6.4	21.97	5.4	361859	LU 12	387451	2704630	0.112						Si
280	15.21	6.4	22.81	5.4	341752	LU 12	372745	2802940	0.114						Si
282	15.21	6.4	22.81	5.4	338985	LU 12	338985	2802940	0.114						Si
302	15.21	6.4	22.81	5.4	311948	LU 12	311948	2802940	0.114						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	1795	LU 10	1795	12871	75956	0	12871	1	Si
20	0	18.54	0	1588	LU 10	1588	12765	75956	0	12765	1	Si
23	0.144	15.21	0	1564	LU 10	1564	11948	75956	16466	16466	1	Si
40	0.144	15.21	0	1382	LU 10	1382	11939	75842	16441	16441	1	Si
60	0.144	15.21	0	1175	LU 10	1175	11970	76241	16528	16528	1	Si
81	0.144	15.21	0	969	LU 10	969	11988	76480	16580	16580	1	Si
91	0.144	15.21	0	866	LU 10	866	12021	76908	16673	16673	1	Si
111	0.137	15.21	0	659	LU 10	659	12021	76908	15892	15892	1	Si
131	0.137	15.21	0	453	LU 10	453	12021	76908	15892	15892	1	Si
151	0.137	15.21	0	246	LU 10	246	12021	76908	15892	15892	1	Si
171	0.137	15.21	0	40	LU 10	40	12021	76908	15892	15892	1	Si
171	0.137	15.21	0	-111	LU 3	-111	-12021	-76908	-15892	-15892	1	Si
192	0.137	15.21	0	-308	LU 12	-308	-12021	-76908	-15892	-15892	1	Si
212	0.144	15.21	0	-515	LU 12	-515	-12021	-76908	-16673	-16673	1	Si
232	0.144	15.21	0	-721	LU 12	-721	-12021	-76908	-16673	-16673	1	Si
242	0.144	15.21	0	-825	LU 12	-825	-12021	-76908	-16673	-16673	1	Si
262	0.144	15.21	0	-1031	LU 12	-1031	-12021	-76908	-16673	-16673	1	Si
280	0.144	15.21	0	-1214	LU 12	-1214	-12021	-76908	-16673	-16673	1	Si
282	0	15.21	0	-1237	LU 12	-1237	-12021	-76908	0	-12021	1	Si
302	0	19.26	0	-1444	LU 12	-1444	-13006	-76908	0	-13006	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	207720	3	207720	5.8	124.5	193.5	1837	170889	2	170889	4.8	93.4	0	+∞	Si
20	232053	3	232053	6.5	124.5	216.2	1837	196598	2	196598	5.5	93.4	0	+∞	Si
23	234591	3	263527	7.4	124.5	245.5	1837	199295	2	230216	6.5	93.4	0	+∞	Si
40	253184	3	277965	8.1	124.5	289.8	1837	219105	2	245872	7.2	93.4	0	+∞	Si
60	271111	3	291276	8	124.5	238.5	1837	238410	2	260560	7.1	93.4	0	+∞	Si
81	285836	3	301385	8.8	124.5	283.8	1837	254511	2	272045	8	93.4	0	+∞	Si
91	291997	3	305238	9.6	124.5	343.4	1837	261361	2	276586	8.7	93.4	0	+∞	Si
111	301918	3	310542	10.2	124.5	350.6	1837	272659	2	283267	9.3	93.4	0	+∞	Si
131	308636	3	312643	10.3	124.5	353	1837	280754	2	286745	9.4	93.4	0	+∞	Si
151	312152	3	312708	10.3	124.5	353.1	1837	285646	2	287335	9.4	93.4	0	+∞	Si
171	312464	3	312708	10.3	124.5	353.1	1837	287335	2	287335	9.4	93.4	0	+∞	Si
192	309574	3	312680	10.3	124.5	353.1	1837	285822	2	287335	9.4	93.4	0	+∞	Si
212	303482	3	311204	9.8	124.5	350.9	1837	281106	2	286844	9.1	93.4	0	+∞	Si
232	294186	3	306525	9.5	124.5	345.3	1837	273187	2	283542	8.8	93.4	0	+∞	Si
242	288337	3	302985	8.6	124.5	271.8	1837	268027	2	280690	7.9	93.4	0	+∞	Si
262	274238	3	293502	7.8	124.5	231.8	1837	255304	2	272583	7.3	93.4	0	+∞	Si
280	259030	3	282449	7.5	124.5	215.3	1837	241314	2	262748	6.9	93.4	0	+∞	Si
282	256936	3	256936	6.8	124.5	195.8	1837	239379	2	239379	6.3	93.4	0	+∞	Si
302	236431	3	236431	6.2	124.5	180.2	1837	220250	2	220250	5.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
23	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
40	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
60	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
81	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
91	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.014	2	9999	Si
111	0.009	0.007	0.007	0.007	0.008	0.007	0.007	0.007	0.008	0.007	0.017	2	0.016	2	9999	Si
131	0.009	0.008	0.008	0.007	0.009	0.008	0.007	0.007	0.008	0.008	0.018	2	0.017	2	9999	Si
151	0.009	0.008	0.008	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.018	2	0.018	2	9999	Si
171	0.009	0.008	0.008	0.007	0.009	0.008	0.007	0.007	0.008	0.008	0.018	2	0.017	2	9999	Si
192	0.009	0.008	0.008	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.017	2	0.016	2	9999	Si
212	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.015	2	9999	Si
232	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
242	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.012	2	0.011	2	9999	Si
262	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
280	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
282	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si

Campata 9 tra i fili ? - ?, sezione R 45x70, asta 977

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	6.4	22.81	5.4	664348	LU 12	618088	2802940	0.114						Si
11	15.21	6.4	22.81	5.4	617797	LU 12	606056	2802940	0.114						Si
22	15.21	6.4	22.81	5.4	569968	LU 12	569961	2802940	0.114						Si
23	15.21	6.4	22.81	5.4	569240	LU 12	569240	2802940	0.114						Si
34	15.21	6.4	22.81	5.4	520864	LU 12	569240	2802940	0.114						Si
45	15.21	6.4	22.81	5.4	470482	LU 12	569240	2802940	0.114						Si
50	14.69	6.4	22.68	5.4	444813	LU 12	569240	2785764	0.114						Si
61	13.64	6.3	21.18	5.4	392517	LU 12	525968	2604199	0.11						Si
73	12.58	6.2	19.67	5.4	338944	LU 12	475719	2422402	0.106						Si
84	19.59	6.5	15.21	5.4	284095	LU 12	424193	1915535	0.097						Si
95	18.29	6.3	15.21	5.4	227969	LU 12	371390	1908157	0.096						Si
106	20.92	6.4	15.21	5.4	170823	LU 11	317311	1916658	0.096	81742	LU 8	-40616	-2507465	0.099	Si
117	23.55	6.5	15.21	5.4	112535	LU 11	261956	1925131	0.097	38642	LU 8	-99417	-2810415	0.103	Si
123	24.87	6.5	15.21	5.4	82912	LU 11	233799	1929335	0.097	16723	LU 8	-129296	-2961883	0.106	Si
134	26.61	6.5	15.21	5.4	29449	LU 2	176744	1934832	0.097	-34590	LU 17	-132516	-3161896	0.109	Si
145	26.61	6.5	15.21	5.4	-18917	LU 2	118588	1934832	0.097	-93259	LU 17	-132516	-3161896	0.109	Si
153	26.61	6.5	15.21	5.4	-51241	LU 2	79712	1934832	0.097	-132516	LU 17	-132516	-3161896	0.109	Si
156	26.61	6.5	15.21	5.4						-153204	LU 17	-150525	-3161896	0.109	Si
168	26.61	6.5	15.21	5.4						-214426	LU 17	-172913	-3161896	0.109	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	20.42	0	-4117	LU 18	-4117	-13263	-76908	0	-13263	1	Si
11	0	18.92	0	-4231	LU 18	-4231	-12929	-76908	0	-12929	1	Si
22	0	15.21	0	-4345	LU 18	-4345	-12021	-76908	0	-12021	1	Si
23	0.209	15.21	0	-4347	LU 18	-4347	-12021	-76908	-24240	-24240	1	Si
34	0.209	15.21	0	-4460	LU 18	-4460	-12021	-76908	-24240	-24240	1	Si
45	0.209	15.21	0	-4574	LU 18	-4574	-12021	-76908	-24240	-24240	1	Si
50	0.209	15.21	0	-4631	LU 18	-4631	-12021	-76908	-24240	-24240	1	Si
61	0.209	15.21	0	-4745	LU 18	-4745	-12021	-76908	-24240	-24240	1	Si
73	0.209	15.21	0	-4860	LU 18	-4860	-12021	-76908	-24240	-24240	1	Si
84	0.209	15.21	0	-4974	LU 18	-4974	-12021	-76908	-24240	-24240	1	Si
95	0.209	15.21	0	-5088	LU 18	-5088	-12021	-76908	-24240	-24240	1	Si
106	0.209	15.21	0	-5203	LU 18	-5203	-12021	-76908	-24240	-24240	1	Si
117	0.209	15.21	0	-5317	LU 18	-5317	-12021	-76908	-24240	-24240	1	Si
123	0.209	15.21	0	-5374	LU 18	-5374	-12021	-76908	-24240	-24240	1	Si
134	0.209	15.21	0	-5489	LU 18	-5489	-12021	-76908	-24240	-24240	1	Si
145	0.209	19.59	0	-5603	LU 18	-5603	-12967	-75548	-23811	-23811	1	Si
153	0.209	20.38	0	-5678	LU 18	-5678	-13139	-75548	-23811	-23811	1	Si
156	0	18.29	0	-5717	LU 18	-5717	-12674	-75548	0	-12674	1	Si
168	0	20.92	0	-5832	LU 18	-5832	-13255	-75548	0	-13255	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	499629	3	464565	12.3	124.5	354.1	1837	447030	2	414418	10.9	93.4	0	+∞	Si
11	464338	3	455439	12	124.5	347.1	1837	414172	2	405895	10.7	93.4	0	+∞	Si
22	428064	3	428059	11.3	124.5	326.3	1837	380331	2	380326	10	93.4	0	+∞	Si
23	427512	3	427512	11.3	124.5	325.9	1837	379815	2	379815	10	93.4	0	+∞	Si
34	390809	3	427512	11.3	124.5	325.9	1837	345509	2	379815	10	93.4	0	+∞	Si
45	352572	3	427512	11.3	124.5	325.9	1837	309705	2	379815	10	93.4	0	+∞	Si
50	333085	3	427512	11.4	124.5	327.7	1837	291434	2	379815	10.1	93.4	0	+∞	Si
61	293374	3	394682	10.8	124.5	323.3	1837	254157	2	349131	9.6	93.4	0	+∞	Si
73	252682	3	356546	10.1	124.5	313.6	1837	215897	2	313428	8.9	93.4	0	+∞	Si
84	211008	3	317428	9.2	124.5	356.6	1837	176656	2	276743	8	93.4	0	+∞	Si
95	168352	3	277328	8.1	124.5	311.5	1837	136433	2	239076	7	93.4	0	+∞	Si
106	124884	2	236247	6.7	124.5	265.1	1837	95227	2	200427	5.7	93.4	0	+∞	Si
117	80525	2	194183	5.4	124.5	217.8	1837	53040	2	160796	4.5	93.4	0	+∞	Si
123	57977	2	172783	4.7	124.5	193.7	1837	31578	2	140612	3.9	93.4	0	+∞	Si
134	12144	2	129390	3.5	124.5	145	1837								Si
134	-26055	8	-101070	2.6	124.5	69.2	1837	-22464	1	-95442	1.8	93.4	0	+∞	Si
145	-70996	8	-101070	2.6	124.5	69.2	1837	-66176	1	-95442	1.8	93.4	0	+∞	Si
153	-101070	8	-101070	2.6	124.5	69.2	1837	-95442	1	-95442	1.8	93.4	0	+∞	Si
156	-116919	8	-114866	2.9	124.5	78.7	1837	-110869	1	-108870	2.8	93.4	0	+∞	Si
168	-163823	8	-132017	3.4	124.5	90.4	1837	-156544	1	-125563	3.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
11	0	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
22	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
23	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
34	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
45	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
50	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
61	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
73	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	2	-0.001	2	9999	Si
84	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
95	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	2	-0.003	2	9999	Si
106	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
117	-0.002	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	2	-0.005	2	9999	Si
123	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	2	-0.006	2	9999	Si
134	-0.003	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.007	2	-0.007	2	9999	Si
145	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
153	-0.004	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.008	2	-0.009	2	9999	Si
156	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.009	2	-0.009	2	9999	Si
168	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.004	-0.004	-0.005	-0.005	-0.01	2	-0.01	2	9999	Si

Campata 10 tra i fili ? - ?, sezione R 45x70, asta 978

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	6.5	15.21	5.4						-213637	LU 17	-213637	-3161896	0.109	Si
12	26.61	6.5	15.21	5.4						-254167	LU 17	-254167	-3161896	0.109	Si
15	26.61	6.5	15.21	5.4						-266811	LU 17	-406015	-3161896	0.109	Si
23	26.61	6.5	15.21	5.4						-296143	LU 18	-451523	-3161896	0.109	Si
35	26.61	6.5	15.21	5.4						-352814	LU 18	-518130	-3161896	0.109	Si
46	26.61	6.5	15.21	5.4						-416903	LU 12	-586091	-3161896	0.109	Si
52	26.61	6.5	15.21	5.4						-449680	LU 12	-620579	-3161896	0.109	Si
63	26.61	6.5	15.21	5.4						-516249	LU 12	-690571	-3161896	0.109	Si
75	26.61	6.5	15.21	5.4						-584173	LU 12	-761917	-3161896	0.109	Si
86	26.61	6.5	15.21	5.4						-653450	LU 12	-834617	-3161896	0.109	Si
98	26.61	6.5	15.21	5.4						-724081	LU 12	-908731	-3161896	0.109	Si
109	32.25	6.3	18.89	5.4						-796067	LU 12	-984363	-3828471	0.113	Si
121	33.88	6.3	20.44	5.4						-869406	LU 12	-1061348	-4020641	0.113	Si
127	34.69	6.3	21.21	5.4						-906637	LU 11	-1062568	-4116761	0.113	Si
138	36.32	6.2	22.76	5.4						-982231	LU 11	-1062568	-4308854	0.114	Si
150	38.01	6.2	22.81	5.4						-1062568	LU 11	-1062568	-4509283	0.116	Si
161	38.01	6.2	22.81	5.4						-1137480	LU 11	-1118711	-4509283	0.116	Si
173	38.01	6.2	22.81	5.4						-1217136	LU 11	-1138563	-4509283	0.116	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	-5219	LU 11	-5219	-14361	-75548	0	-14361	1	Si
12	0	26.61	0	-5337	LU 11	-5337	-14361	-75548	0	-14361	1	Si
15	0.216	26.61	0	-5373	LU 11	-5373	-14361	-75548	-24627	-24627	1	Si
23	0.216	26.61	0	-5455	LU 11	-5455	-14361	-75548	-24627	-24627	1	Si
35	0.216	26.61	0	-5573	LU 11	-5573	-14361	-75548	-24627	-24627	1	Si
46	0.216	26.61	0	-5690	LU 11	-5690	-14361	-75548	-24627	-24627	1	Si
52	0.216	26.61	0	-5749	LU 11	-5749	-14361	-75548	-24627	-24627	1	Si
63	0.216	26.61	0	-5867	LU 11	-5867	-14361	-75548	-24627	-24627	1	Si
75	0.216	26.61	0	-5985	LU 11	-5985	-14361	-75548	-24627	-24627	1	Si
86	0.216	26.61	0	-6102	LU 11	-6102	-14361	-75548	-24627	-24627	1	Si
98	0.216	26.61	0	-6220	LU 11	-6220	-14361	-75548	-24627	-24627	1	Si
109	0.216	26.61	0	-6338	LU 11	-6338	-14383	-75786	-24705	-24705	1	Si
121	0.216	26.61	0	-6456	LU 11	-6456	-14388	-75840	-24722	-24722	1	Si
127	0.216	26.61	0	-6515	LU 11	-6515	-14390	-75865	-24731	-24731	1	Si
138	0.216	26.61	0	-6632	LU 11	-6632	-14394	-75911	-24746	-24746	1	Si
150	0.216	26.61	0	-6755	LU 11	-6755	-14398	-75956	-24760	-24760	1	Si
161	0	26.61	0	-6868	LU 11	-6868	-14398	-75956	0	-14398	1	Si
173	0	32.25	0	-6985	LU 11	-6985	-15351	-75956	0	-15351	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-163215	8	-163215	4.2	124.5	111.8	1837	-155932	1	-155932	4	93.4	0	+∞	Si
12	-194493	8	-194493	5	124.5	133.3	1837	-187863	1	-187863	4.8	93.4	0	+∞	Si
15	-204250	8	-308540	7.9	124.5	211.4	1837	-197819	1	-291038	7.4	93.4	0	+∞	Si
23	-226874	9	-342193	8.7	124.5	234.4	1837	-220863	2	-318565	8.1	93.4	0	+∞	Si
35	-269189	9	-391485	10	124.5	268.2	1837	-258715	2	-359050	9.2	93.4	0	+∞	Si
46	-316589	3	-441817	11.3	124.5	302.7	1837	-297609	2	-400577	10.2	93.4	0	+∞	Si
52	-340830	3	-467374	11.9	124.5	320.2	1837	-317447	2	-421731	10.8	93.4	0	+∞	Si
63	-390092	3	-519269	13.2	124.5	355.8	1837	-357903	2	-464820	11.8	93.4	0	+∞	Si
75	-440396	3	-572205	14.6	124.5	392	1837	-399400	2	-508950	13	93.4	0	+∞	Si
86	-491741	3	-626183	16	124.5	429	1837	-441940	2	-554122	14.1	93.4	0	+∞	Si
98	-544127	3	-681242	17.4	124.5	466.7	1837	-485520	2	-600335	15.3	93.4	0	+∞	Si
109	-597555	3	-737452	16.9	124.5	415.5	1837	-530142	2	-647589	14.9	93.4	0	+∞	Si
121	-652025	3	-794703	17.7	124.5	425.7	1837	-575806	2	-695886	15.5	93.4	0	+∞	Si
127	-679686	2	-795611	17.4	124.5	416	1837	-599028	2	-696653	15.3	93.4	0	+∞	Si
138	-735867	2	-795611	16.9	124.5	396.9	1837	-646254	2	-696653	14.8	93.4	0	+∞	Si
150	-795611	2	-795611	16.7	124.5	379.4	1837	-696653	2	-696653	14.6	93.4	0	+∞	Si
161	-851353	2	-837375	17.5	124.5	399.3	1837	-743829	2	-731945	15.3	93.4	0	+∞	Si
173	-910659	2	-852143	17.9	124.5	406.4	1837	-794180	2	-744425	15.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
0	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.004	-0.004	-0.005	-0.005	-0.01	2	-0.01	2	9999	Si
12	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.011	2	-0.011	2	9999	Si
15	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.011	2	-0.011	2	9999	Si
23	-0.006	-0.007	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.012	1	9999	Si
35	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.012	1	-0.012	1	9999	Si
46	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.013	1	-0.013	1	9999	Si
52	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.013	1	-0.013	1	9999	Si
63	-0.007	-0.008	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.013	1	-0.013	1	9999	Si
69	-0.007	-0.008	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.013	1	-0.013	1	9999	Si
75	-0.007	-0.008	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.013	1	-0.013	1	9999	Si
86	-0.007	-0.008	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.013	1	-0.013	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
98	-0.007	-0.007	-0.005	-0.006	-0.007	-0.007	-0.005	-0.006	-0.007	-0.007	-0.012	1	-0.012	1	9999	Si
109	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.011	1	-0.012	1	9999	Si
121	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.01	1	-0.01	1	9999	Si
127	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.009	1	-0.01	1	9999	Si
138	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.007	1	-0.008	1	9999	Si
150	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.005	1	9999	Si
161	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si

Campata 11 tra i fili ? - ?, sezione R 45x70, asta 979

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	38.01	6.2	22.81	5.4						-1094646	LU 11	-988157	-4509283	0.116	Si
18	38.01	6.2	22.81	5.4						-945806	LU 11	-939115	-4509283	0.116	Si
23	38.01	6.2	22.81	5.4						-914289	LU 11	-914289	-4509283	0.116	Si
37	36.68	6.2	22.81	5.4						-810521	LU 11	-914289	-4351701	0.114	Si
55	34.95	6.3	20.78	5.4						-688793	LU 11	-888345	-4147390	0.115	Si
73	30.41	6.4	18.31	5.4	-367518	LU 8	29637	2301627	0.098	-580620	LU 11	-758677	-3611026	0.111	Si
82	30.41	6.4	15.21	5.4	-337234	LU 8	57085	1934685	0.095	-531617	LU 11	-698927	-3610569	0.116	Si
101	30.41	6.4	15.21	5.4	-282727	LU 8	99370	1934685	0.095	-443778	LU 11	-589593	-3610569	0.116	Si
119	30.41	6.4	15.21	5.4	-236302	LU 8	124841	1934685	0.095	-369494	LU 11	-493815	-3610569	0.116	Si
137	30.41	6.4	15.21	5.4	-197605	LU 4	133497	1934685	0.095	-308766	LU 11	-411593	-3610569	0.116	Si
156	30.41	6.4	15.21	5.4	-163894	LU 1	125340	1934685	0.095	-262294	LU 12	-342927	-3610569	0.116	Si
174	30.41	6.4	15.21	5.4	-138025	LU 1	100368	1934685	0.095	-229496	LU 12	-288035	-3610569	0.116	Si
192	36.48	6.9	26.07	5.4	-120238	LU 1	58582	3258430	0.116	-210255	LU 12	-247299	-4280393	0.111	Si
211	39.07	7.1	30.41	5.4	-110533	LU 1	21	3745179	0.125	-204569	LU 12	-223896	-4566218	0.11	Si
220	40.37	7.1	30.41	5.4						-206810	LU 12	-239318	-4708860	0.112	Si
238	41.81	7.2	30.41	5.4						-221458	LU 12	-247236	-4867988	0.114	Si
252	41.81	7.2	30.41	5.4						-247236	LU 12	-247236	-4867988	0.114	Si
257	41.81	7.2	30.41	5.4						-256854	LU 12	-254908	-4867988	0.114	Si
275	41.81	7.2	30.41	5.4						-319946	LU 12	-270064	-4867988	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	34.09	0	7352	LU 11	7352	15637	75956	0	15637	1	Si
18	0	30.41	0	6712	LU 11	6712	15054	75956	0	15054	1	Si
23	0.302	30.41	0	6566	LU 11	6566	15054	75956	34579	34579	1	Si
37	0.302	30.41	0	6071	LU 11	6071	15050	75921	34563	34563	1	Si
55	0.302	30.41	0	5431	LU 11	5431	15046	75872	34541	34541	1	Si
73	0.302	30.41	0	4790	LU 11	4790	15031	75718	34471	34471	1	Si
82	0.302	30.41	0	4470	LU 11	4470	15031	75718	34471	34471	1	Si
101	0.29	30.41	0	3830	LU 11	3830	15031	75718	33194	33194	1	Si
119	0.29	34.95	0	3189	LU 11	3189	15744	75718	33194	33194	1	Si
137	0.29	30.41	0	2549	LU 11	2549	15031	75718	33194	33194	1	Si
156	0.29	30.41	0	1908	LU 11	1908	15031	75718	33194	33194	1	Si
174	0.29	30.41	0	1341	LU 10	1341	15031	75718	33194	33194	1	Si
192	0.302	30.41	0	844	LU 10	844	14973	75123	34200	34200	1	Si
211	0.302	30.41	0	348	LU 10	348	14954	74926	34110	34110	1	Si
211	0.302	30.41	0	-159	LU 9	-159	-14954	-74926	-34110	-34110	1	Si
220	0.302	30.41	0	100	LU 10	100	14945	74837	34070	34070	1	Si
220	0.302	30.41	0	-401	LU 9	-401	-14945	-74837	-34070	-34070	1	Si
238	0.302	30.41	0	-1018	LU 12	-1018	-14936	-74744	-34027	-34027	1	Si
252	0.302	36.48	0	-2029	LU 12	-2029	-15871	-74744	-34027	-34027	1	Si
257	0	36.48	0	-2326	LU 12	-2326	-15871	-74744	0	-15871	1	Si
275	0	39.07	0	-3635	LU 12	-3635	-16238	-74744	0	-16238	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-824442	2	-744444	15.6	124.5	355	1837	-744393	2	-673114	14.1	93.4	0	+∞	Si
18	-712607	2	-707576	14.8	124.5	337.4	1837	-644647	2	-640147	13.4	93.4	0	+∞	Si
23	-688914	2	-688914	14.4	124.5	328.5	1837	-623459	2	-623459	13.1	93.4	0	+∞	Si
37	-610886	2	-688914	14.6	124.5	340.3	1837	-553593	2	-623459	13.2	93.4	0	+∞	Si
55	-519280	2	-669410	14.7	124.5	347.6	1837	-471230	2	-606017	13.3	93.4	0	+∞	Si
73	-437789	2	-571880	13.5	124.5	341.8	1837	-397559	2	-518564	12.2	93.4	0	+∞	Si
82	-400836	2	-526908	12.9	124.5	316.2	1837	-363983	2	-478097	11.7	93.4	0	+∞	Si
101	-334517	2	-444551	10.9	124.5	266.8	1837	-303350	2	-403682	9.9	93.4	0	+∞	Si
119	-278313	2	-372308	9.1	124.5	223.5	1837	-251409	2	-337959	8.3	93.4	0	+∞	Si
137	-232224	2	-310181	7.6	124.5	186.2	1837	-208159	2	-280927	6.9	93.4	0	+∞	Si
156	-196715	3	-258168	6.3	124.5	154.9	1837	-173601	2	-232587	5.7	93.4	0	+∞	Si
174	-171401	3	-216416	5.3	124.5	129.9	1837	-147734	2	-192939	4.7	93.4	0	+∞	Si
192	-156202	3	-185178	3.9	124.5	94.2	1837	-130560	2	-161982	3.4	93.4	0	+∞	Si
211	-151117	3	-164200	3.2	124.5	78.4	1837	-122077	2	-139718	2.7	93.4	0	+∞	Si
220	-152368	3	-175259	3.4	124.5	81.4	1837	-121095	2	-134099	2.6	93.4	0	+∞	Si
238	-162456	3	-180987	3.5	124.5	81.6	1837	-125650	2	-138147	2.7	93.4	0	+∞	Si
252	-180987	3	-180987	3.5	124.5	81.6	1837	-138147	2	-138147	2.7	93.4	0	+∞	Si
257	-187945	3	-186539	3.6	124.5	84.1	1837	-143065	2	-142081	2.8	93.4	0	+∞	Si
275	-233943	3	-197507	3.8	124.5	89	1837	-177365	2	-149851	2.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
18	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.004	1	-0.004	1	9999	Si
23	-0.003	-0.004	-0.002	-0.002	-0.003	-0.004	-0.002	-0.002	-0.003	-0.003	-0.004	1	-0.005	1	9999	Si
37	-0.005	-0.006	-0.003	-0.004	-0.005	-0.005	-0.003	-0.003	-0.005	-0.005	-0.007	1	-0.007	1	9999	Si
55	-0.006	-0.007	-0.004	-0.005	-0.006	-0.007	-0.004	-0.004	-0.006	-0.007	-0.009	1	-0.009	1	9999	Si
73	-0.007	-0.008	-0.005	-0.005	-0.007	-0.008	-0.005	-0.005	-0.007	-0.008	-0.01	1	-0.011	1	9999	Si
82	-0.007	-0.009	-0.005	-0.006	-0.007	-0.008	-0.005	-0.005	-0.007	-0.008	-0.011	1	-0.011	1	9999	Si
101	-0.008	-0.009	-0.005	-0.006	-0.008	-0.008	-0.005	-0.005	-0.008	-0.008	-0.011	1	-0.012	1	9999	Si
110	-0.008	-0.009	-0.005	-0.006	-0.008	-0.008	-0.005	-0.006	-0.008	-0.008	-0.011	1	-0.012	1	9999	Si
119	-0.008	-0.009	-0.005	-0.006	-0.008	-0.008	-0.005	-0.005	-0.008	-0.008	-0.011	1	-0.012	1	9999	Si
137	-0.007	-0.009	-0.005	-0.006	-0.007	-0.008	-0.005	-0.005	-0.007	-0.008	-0.011	1	-0.011	1	9999	Si
156	-0.007	-0.008	-0.005	-0.005	-0.007	-0.007	-0.005	-0.005	-0.007	-0.007	-0.01	1	-0.01	1	9999	Si
174	-0.006	-0.007	-0.004	-0.005	-0.006	-0.007	-0.004	-0.004	-0.006	-0.006	-0.009	1	-0.009	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
192	-0.005	-0.006	-0.004	-0.004	-0.005	-0.006	-0.004	-0.004	-0.005	-0.006	-0.008	1	-0.008	1	9999	Si
211	-0.004	-0.005	-0.003	-0.003	-0.004	-0.005	-0.003	-0.003	-0.004	-0.005	-0.006	1	-0.007	1	9999	Si
220	-0.004	-0.005	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.005	1	-0.006	1	9999	Si
238	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.004	1	-0.004	1	9999	Si
252	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.002	1	-0.003	1	9999	Si
257	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Campata 12 tra i fili ? - 15A, sezione R 45x70, asta 980

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	41.81	7.2	30.41	5.4						-780668	LU 11	-694175	-4867988	0.114	Si
23	41.81	7.2	30.41	5.4						-596656	LU 11	-596656	-4867988	0.114	Si
29	41.81	7.2	30.41	5.4						-548276	LU 11	-596656	-4867988	0.114	Si
57	40.04	7.1	24.16	5.4						-344293	LU 11	-551440	-4671739	0.119	Si
86	35.99	6.9	15.21	5.4						-199146	LU 10	-347065	-4210085	0.155	Si
115	26.72	6.3	15.21	5.4	-1784	LU 3	109382	1922805	0.094	-79169	LU 15	-201066	-3186985	0.109	Si
129	23.34	6.2	15.21	5.4	49571	LU 2	186861	1911855	0.094	-27060	LU 17	-138272	-2798421	0.102	Si
158	11.4	5.4	15.21	5.4	149977	LU 11	306060	1873055	0.09	46499	LU 8	-28522	-1422107	0.084	Si
186	11.4	5.4	15.21	5.4	228434	LU 11	377581	1873055	0.09						Si
215	11.4	5.4	15.85	5.4	278997	LU 11	401423	1949252	0.091						Si
244	11.4	5.4	7.6	5.4	301664	LU 11	377587	970824	0.078						Si
272	11.4	5.4	7.6	5.4	296438	LU 11	306073	970824	0.078						Si
301	11.4	5.4	7.6	5.4	263316	LU 11	296609	970824	0.078						Si
330	11.4	5.4	12.5	5.4	202300	LU 11	263880	1551623	0.085						Si
344	13.26	5.4	14.43	5.4	161332	LU 11	237055	1780482	0.088						Si
373	14.61	5.4	15.21	5.4	69557	LU 10	162484	1872808	0.089	34004	LU 9	-77529	-1802669	0.088	Si
401	15.21	5.4	15.21	5.4	-14142	LU 1	70574	1872764	0.089	-75391	LU 12	-108088	-1872764	0.089	Si
408	15.21	5.4	15.21	5.4	-31285	LU 1	52926	1872764	0.089	-108088	LU 12	-108088	-1872764	0.089	Si
430	15.21	5.4	15.21	5.4						-234364	LU 12	-173858	-1872764	0.089	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	40.04	0	9722	LU 11	9722	16371	74744	0	16371	1	Si
23	0.201	35.99	0	8668	LU 11	8668	15798	74744	22685	22685	1	Si
29	0.201	35.99	0	8436	LU 11	8436	15798	74744	22685	22685	1	Si
57	0.201	26.72	0	7356	LU 11	7356	14317	74859	22720	22720	1	Si
86	0.201	19.97	0	6276	LU 11	6276	13017	75164	22813	22813	1	Si
115	0.164	11.4	0	5197	LU 11	5197	10846	75816	18784	18784	1	Si
129	0.164	17.78	0	4657	LU 11	4657	12664	76908	19055	19055	1	Si
158	0.164	13.92	0	3577	LU 11	3577	11672	76908	19055	19055	1	Si
186	0.164	7.6	0	2497	LU 11	2497	9541	76908	19055	19055	1	Si
215	0.164	7.6	0	1444	LU 10	1444	9541	76908	19055	19055	1	Si
244	0.164	7.6	0	636	LU 10	636	9541	76908	19055	19055	1	Si
272	0.164	14.43	0	-755	LU 12	-755	-11812	-76908	-19055	-19055	1	Si
301	0.164	13.92	0	-1835	LU 12	-1835	-11672	-76908	-19055	-19055	1	Si
330	0.164	7.6	0	-2914	LU 12	-2914	-9541	-76908	-19055	-19055	1	Si
344	0.158	7.6	0	-3454	LU 12	-3454	-9541	-76908	-18340	-18340	1	Si
373	0.158	7.6	0	-4534	LU 12	-4534	-9541	-76908	-18340	-18340	1	Si
401	0.158	11.4	0	-5614	LU 12	-5614	-10922	-76908	-18340	-18340	1	Si
408	0.158	13.26	0	-5846	LU 12	-5846	-11486	-76908	-18340	-18340	1	Si
430	0	13.94	0	-6694	LU 12	-6694	-11677	-76908	0	-11677	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-590923	2	-526272	10.2	124.5	237.2	1837	-547286	2	-491196	9.5	93.4	0	+∞	Si
23	-453332	2	-453332	8.8	124.5	204.4	1837	-427695	2	-427695	8.3	93.4	0	+∞	Si
29	-417146	2	-453332	8.8	124.5	204.4	1837	-396197	2	-427695	8.3	93.4	0	+∞	Si
57	-264485	2	-419513	8.7	124.5	197.7	1837	-262868	2	-398257	8.3	93.4	0	+∞	Si
86	-153189	1	-266560	6.3	124.5	139.2	1837	-153189	1	-264683	6.2	93.4	0	+∞	Si
115	-60814	6	-154666	3.9	124.5	104.6	1837	-60261	1	-154666	3.9	93.4	0	+∞	Si
129	26441	2	107429	3	124.5	120.3	1837								Si
129	-20682	8	-106326	2.8	124.5	81.4	1837	-19818	1	-106082	2.8	93.4	0	+∞	Si
158	106521	2	166480	5.2	124.5	187.2	1837	66273	2	121611	3.8	93.4	0	+∞	Si
186	165864	2	204794	6.4	124.5	230.3	1837	121025	2	158656	4.9	93.4	0	+∞	Si
215	204469	2	222370	6.8	124.5	240.3	1837	158316	2	178239	5.5	93.4	0	+∞	Si
244	222337	2	223494	5	124.5	77.5	1837	178145	2	181511	7.3	93.4	0	+∞	Si
272	219467	2	223494	5	124.5	77.5	1837	180512	2	181511	7.3	93.4	0	+∞	Si
301	195860	2	219581	4.9	124.5	76.1	1837	165418	2	180540	7.2	93.4	0	+∞	Si
330	151516	2	196265	6.5	124.5	266.7	1837	132862	2	165692	5.5	93.4	0	+∞	Si
344	121567	2	176831	5.5	124.5	208.8	1837	110036	2	151719	4.7	93.4	0	+∞	Si
373	53505	1	122410	3.7	124.5	137.3	1837	53505	1	110679	3.3	93.4	0	+∞	Si
401	-52146	3	-76230	2.3	124.5	85.4	1837	-24921	2	-44132	1.3	93.4	0	+∞	Si
408	-76230	3	-76230	2.3	124.5	85.4	1837	-44132	2	-44132	1.3	93.4	0	+∞	Si
430	-169289	3	-124671	3.7	124.5	139.7	1837	-118592	2	-82758	2.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
23	0	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
29	0	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
57	0.001	0	0	-0.001	0	0	0	0	0	0	0	2	0	2	9999	Si
86	0.002	0	0.001	0	0.001	0	0.001	0	0.001	0	0.002	2	0.001	2	9999	Si
115	0.003	0.001	0.003	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.004	2	0.003	2	9999	Si
129	0.004	0.002	0.003	0.001	0.003	0.002	0.002	0.001	0.003	0.002	0.005	2	0.004	2	9999	Si
158	0.005	0.003	0.004	0.002	0.004	0.003	0.003	0.002	0.004	0.003	0.008	2	0.006	2	9999	Si
186	0.006	0.004	0.005	0.003	0.005	0.004	0.004	0.003	0.004	0.004	0.01	2	0.008	2	9999	Si
215	0.007	0.004	0.006	0.004	0.006	0.004	0.005	0.004	0.005	0.004	0.012	2	0.01	2	9999	Si
244	0.007	0.005	0.006	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
258	0.007	0.005	0.006	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.013	2	0.011	2	9999	Si
272	0.007	0.005	0.006	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
301	0.006	0.004	0.006	0.004	0.005	0.004	0.005	0.004	0.005	0.004	0.011	2	0.01	2	9999	Si
330	0.005	0.004	0.005	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.01	2	0.009	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
344	0.005	0.003	0.004	0.003	0.004	0.003	0.004	0.003	0.004	0.003	0.008	2	0.008	2	9999	Si
373	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.006	2	0.005	2	9999	Si
401	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
408	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Campata 13 tra i fili 15A - ?, sezione R 45x70, asta 981

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4						-514041	LU 12	-414493	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4						-325487	LU 12	-325487	-1872764	0.089	Si
45	15.18	5.4	13.7	5.4	-96444	LU 1	30126	1694101	0.087	-155693	LU 12	-325487	-1869797	0.089	Si
68	14.11	5.4	10.65	5.4	-3949	LU 2	149377	1332137	0.083	-20654	LU 17	-201760	-1743352	0.088	Si
91	13.04	5.4	7.6	5.4	118525	LU 11	247153	971036	0.078	57538	LU 8	-54200	-1616794	0.087	Si
102	11.4	5.4	7.6	5.4	173131	LU 11	287988	970824	0.078	90576	LU 8	-750	-1422093	0.084	Si
125	11.4	5.4	7.6	5.4	266236	LU 11	353551	970824	0.078						Si
147	11.4	5.4	7.6	5.4	337866	LU 11	397640	970824	0.078						Si
170	11.4	5.4	7.6	5.4	388021	LU 11	420253	970824	0.078						Si
193	11.4	5.4	7.6	5.4	416701	LU 11	423905	970824	0.078						Si
215	11.4	5.4	7.6	5.4	423905	LU 11	423905	970824	0.078						Si
238	11.4	5.4	7.6	5.4	409635	LU 11	423905	970824	0.078						Si
249	11.4	5.4	9.85	5.4	394447	LU 11	421969	1237304	0.081						Si
272	11.4	5.4	11.37	5.4	347964	LU 11	403028	1418456	0.083						Si
295	11.4	5.4	11.4	5.4	280006	LU 11	362612	1422094	0.084						Si
318	11.4	5.4	11.4	5.4	189797	LU 11	300181	1422094	0.084						Si
340	11.4	5.4	11.4	5.4	91416	LU 17	91416	1422094	0.084						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.11	0	8852	LU 12	8852	11725	76908	0	11725	1	Si
23	0.115	13.04	0	7912	LU 12	7912	11422	76908	13338	13338	1	Si
45	0.115	11.4	0	6957	LU 12	6957	10922	76908	13338	13338	1	Si
68	0.115	11.4	0	6010	LU 12	6010	10922	76908	13338	13338	1	Si
91	0.115	7.6	0	5062	LU 12	5062	9541	76908	13338	13338	1	Si
102	0.084	7.6	0	4589	LU 12	4589	9541	76908	9789	9789	1	Si
125	0.084	7.6	0	3641	LU 12	3641	9541	76908	9789	9789	1	Si
147	0.084	7.6	0	2694	LU 12	2694	9541	76908	9789	9789	1	Si
170	0.084	7.6	0	1746	LU 12	1746	9541	76908	9789	9789	1	Si
193	0.084	7.6	0	807	LU 18	807	9541	76908	9789	9789	1	Si
215	0.084	7.6	0	58	LU 17	58	9541	76908	9789	9789	1	Si
215	0.084	7.6	0	-162	LU 2	-162	-9541	-76908	-9789	-9789	1	Si
238	0.084	7.6	0	-1103	LU 11	-1103	-9541	-76908	-9789	-9789	1	Si
249	0.072	7.6	0	-1577	LU 11	-1577	-9541	-76908	-8336	-9541	1	Si
272	0.072	7.6	0	-2524	LU 11	-2524	-9541	-76908	-8336	-9541	1	Si
295	0.072	7.6	0	-3472	LU 11	-3472	-9541	-76908	-8336	-9541	1	Si
318	0.072	9.85	0	-4426	LU 11	-4426	-10400	-76908	-8336	-10400	1	Si
340	0	11.37	0	-5367	LU 11	-5367	-10912	-76908	0	-10912	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-383689	3	-309526	9.2	124.5	346.9	1837	-329839	2	-266672	7.9	93.4	0	+∞	Si
23	-243200	3	-243200	7.2	124.5	272.6	1837	-210103	2	-210103	6.2	93.4	0	+∞	Si
45	-116655	3	-243200	7.4	124.5	273.4	1837	-102086	2	-210103	6.4	93.4	0	+∞	Si
68	-15033	8	-150991	4.9	124.5	182.6	1837	-9480	1	-131408	4.2	93.4	0	+∞	Si
91	87700	2	183746	4.1	124.5	63.2	1837	71896	2	154752	6.1	93.4	0	+∞	Si
102	128459	2	214267	4.8	124.5	74.3	1837	106989	2	181226	7.3	93.4	0	+∞	Si
125	198004	2	263337	5.9	124.5	91.3	1837	167094	2	224090	9	93.4	0	+∞	Si
147	251583	2	296441	6.7	124.5	102.8	1837	213756	2	253511	10.2	93.4	0	+∞	Si
170	289198	2	313581	7	124.5	108.7	1837	246975	2	269489	10.8	93.4	0	+∞	Si
193	310847	2	316532	7.1	124.5	109.8	1837	266751	2	273084	11	93.4	0	+∞	Si
215	316532	2	316532	7.1	124.5	109.8	1837	273084	2	273084	11	93.4	0	+∞	Si
238	306252	2	316532	7.1	124.5	109.8	1837	265974	2	273084	11	93.4	0	+∞	Si
249	295125	2	315164	11.5	124.5	539.3	1837	257377	2	272268	9.9	93.4	0	+∞	Si
272	260897	2	301411	10.4	124.5	448.6	1837	230103	2	262234	9	93.4	0	+∞	Si
295	210704	2	271694	9.4	124.5	403.3	1837	189385	2	238757	8.2	93.4	0	+∞	Si
318	143971	2	225612	7.8	124.5	334.9	1837	134752	2	201513	6.9	93.4	0	+∞	Si
340	70257	8	70257	1.8	124.5	104.3	1837	69849	1	69849	1.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
23	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
45	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
68	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.007	2	9999	Si
91	0.006	0.004	0.005	0.003	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.009	2	9999	Si
102	0.007	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.011	2	0.01	2	9999	Si
125	0.008	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.014	2	0.013	2	9999	Si
147	0.009	0.007	0.007	0.006	0.008	0.007	0.006	0.006	0.008	0.007	0.016	2	0.014	2	9999	Si
170	0.009	0.007	0.008	0.006	0.008	0.008	0.007	0.006	0.008	0.008	0.017	2	0.016	2	9999	Si
193	0.01	0.008	0.008	0.006	0.009	0.008	0.007	0.006	0.008	0.008	0.017	2	0.016	2	9999	Si
215	0.009	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.017	2	0.015	2	9999	Si
238	0.008	0.007	0.007	0.005	0.008	0.007	0.006	0.006	0.007	0.007	0.015	2	0.014	2	9999	Si
249	0.008	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.014	2	0.013	2	9999	Si
272	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.012	2	0.011	2	9999	Si
295	0.005	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
318	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si

Trave a "Piano 1" (1926; 3516)-29A

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x50	Rettangolare	30	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 36C - 25D, sezione R 30x50, asta 814

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	130853	LU 12	130853	1241602	0.152						Si
9	7.6	5.4	15.21	5.4	131979	LU 12	131979	1241602	0.152						Si
18	7.6	5.4	15.21	5.4	131196	LU 12	131196	1241602	0.152						Si
25	7.6	5.4	15.21	5.4	128993	LU 12	128993	1241602	0.152						Si
35	7.6	5.4	15.21	5.4	123714	LU 12	128993	1241602	0.152						Si
40	10.68	5.4	15.21	5.4	120613	LU 11	128993	1241499	0.144						Si
49	11.52	5.4	15.21	5.4	112933	LU 11	127476	1241453	0.142						Si
57	12.35	5.4	15.21	5.4	103281	LU 11	122301	1241398	0.141						Si
66	13.18	5.4	15.21	5.4	91656	LU 11	115157	1241298	0.14						Si
75	14.01	5.4	15.21	5.4	78059	LU 11	106041	1241230	0.139						Si
84	14.85	5.4	15.21	5.4	62491	LU 11	94953	1241209	0.138						Si
93	15.21	5.4	15.21	5.4	44950	LU 11	81893	1241198	0.137						Si
102	15.21	5.4	15.21	5.4	25437	LU 11	66861	1241198	0.137						Si
106	15.21	5.4	15.21	5.4	14941	LU 11	58605	1241198	0.137						Si
110	15.21	5.4	15.21	5.4	4988	LU 11	50707	1241198	0.137						Si
115	15.21	5.4	15.21	5.4						-7895	LU 18	-6389	-1241198	0.137	Si
124	15.21	5.4	15.21	5.4						-32021	LU 12	-19165	-1241198	0.137	Si
132	15.21	5.4	15.21	5.4						-58441	LU 12	-23558	-1241198	0.137	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	209	LU 2	209	7687	35398	0	7687	1	Si
0	0	15.21	0	-81	LU 17	-81	-7687	-35398	0	-7687	1	Si
9	0	15.21	0	66	LU 2	66	7687	35398	0	7687	1	Si
9	0	15.21	0	-210	LU 17	-210	-7687	-35398	0	-7687	1	Si
18	0	15.21	0	-373	LU 17	-373	-7687	-35398	0	-7687	1	Si
25	0.237	15.21	0	-509	LU 17	-509	-7687	-35398	-18959	-18959	1	Si
35	0.237	15.21	0	-699	LU 17	-699	-7687	-35398	-18959	-18959	1	Si
40	0.237	15.21	0	-782	LU 18	-782	-7687	-35398	-18959	-18959	1	Si
49	0.237	15.21	0	-987	LU 18	-987	-7687	-35398	-18959	-18959	1	Si
57	0.237	15.21	0	-1205	LU 12	-1205	-7687	-35398	-18959	-18959	1	Si
66	0.237	15.21	0	-1428	LU 12	-1428	-7687	-35398	-18959	-18959	1	Si
75	0.237	15.21	0	-1651	LU 12	-1651	-7687	-35398	-18959	-18959	1	Si
84	0.237	15.21	0	-1875	LU 12	-1875	-7687	-35398	-18959	-18959	1	Si
93	0.237	15.21	0	-2098	LU 12	-2098	-7687	-35398	-18959	-18959	1	Si
102	0.237	15.21	0	-2321	LU 12	-2321	-7687	-35398	-18959	-18959	1	Si
106	0.237	15.21	0	-2433	LU 12	-2433	-7687	-35398	-18959	-18959	1	Si
110	0.237	15.21	0	-2534	LU 12	-2534	-7687	-35398	-18959	-18959	1	Si
115	0	13.6	0	-2656	LU 12	-2656	-7406	-35398	0	-7406	1	Si
124	0	14.43	0	-2879	LU 12	-2879	-7555	-35398	0	-7555	1	Si
132	0	15.21	0	-3103	LU 12	-3103	-7687	-35398	0	-7687	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	99326	3	99326	7.4	124.5	168.3	1837	93269	2	93269	7	93.4	0	+∞	Si
9	99978	3	99978	7.5	124.5	169.4	1837	92950	2	92950	6.9	93.4	0	+∞	Si
18	99215	3	99215	7.4	124.5	168.1	1837	91452	2	91452	6.8	93.4	0	+∞	Si
25	97429	3	97429	7.3	124.5	165.1	1837	89253	2	89253	6.7	93.4	0	+∞	Si
35	93300	3	97429	7.3	124.5	165.1	1837	84814	2	89253	6.7	93.4	0	+∞	Si
40	90908	2	97429	6.8	124.5	164.4	1837	82395	2	89253	6.2	93.4	0	+∞	Si
49	85029	2	96231	6.6	124.5	162.2	1837	76646	2	87915	6.1	93.4	0	+∞	Si
57	77687	2	92210	6.3	124.5	155.2	1837	69683	2	83711	5.7	93.4	0	+∞	Si
66	68883	2	86728	5.8	124.5	145.9	1837	61505	2	78293	5.2	93.4	0	+∞	Si
75	58616	2	79784	5.2	124.5	134.1	1837	52112	2	71660	4.7	93.4	0	+∞	Si
84	46887	2	71378	4.6	124.5	119.8	1837	41505	2	63813	4.1	93.4	0	+∞	Si
93	33695	2	61509	4	124.5	103.2	1837	29683	2	54750	3.5	93.4	0	+∞	Si
102	19040	2	50178	3.2	124.5	84.2	1837	16646	2	44473	2.9	93.4	0	+∞	Si
106	11165	2	43963	2.8	124.5	73.8	1837	9672	2	38879	2.5	93.4	0	+∞	Si
110	3701	2	38023	1.8	124.5	63.8	1837	3081	2	33554	2.2	93.4	0	+∞	Si
115	-5926	9	-4793	0.3	124.5	8	1837	-5187	2	-4148	0.3	93.4	0	+∞	Si
124	-24026	3	-14405	0.9	124.5	24.2	1837	-21261	2	-12865	0.8	93.4	0	+∞	Si
132	-43803	3	-17700	1.1	124.5	29.7	1837	-38549	2	-15770	1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
9	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
18	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2	0.001	2	9999	Si
25	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
35	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
40	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
49	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
53	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
57	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
66	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
75	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
84	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
93	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
102	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2	0.001	2	9999	Si
106	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
110	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si
115	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
124	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Campata 2 tra i fili 25D - 29A, sezione R 30x50, asta 815

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	372535	LU 11	359175	1241198	0.137						Si
12	15.21	5.4	15.21	5.4	355848	LU 11	353114	1241198	0.137						Si
23	15.21	5.4	15.21	5.4	339537	LU 11	339537	1241198	0.137						Si
37	15.21	5.4	15.21	5.4	310627	LU 11	339537	1241198	0.137						Si
50	15.21	5.4	15.21	5.4	282093	LU 11	325905	1241198	0.137						Si
56	15.21	5.4	15.21	5.4	266345	LU 11	313328	1241198	0.137						Si
69	15.21	5.4	15.21	5.4	231887	LU 11	285210	1241198	0.137						Si
81	15.21	5.4	15.21	5.4	193480	LU 11	253144	1241198	0.137						Si
94	15.21	5.4	15.21	5.4	151124	LU 11	217129	1241198	0.137						Si
106	15.21	5.4	15.21	5.4	104819	LU 11	177164	1241198	0.137						Si
119	15.21	5.4	15.21	5.4	54564	LU 11	133251	1241198	0.137	29930	LU 8	-34467	-1241198	0.137	Si
131	15.21	5.4	15.21	5.4	1269	LU 3	85388	1241198	0.137	-3834	LU 15	-95011	-1241198	0.137	Si
144	15.21	5.4	15.21	5.4	-37443	LU 4	33586	1241198	0.137	-57792	LU 11	-159504	-1241198	0.137	Si
150	15.21	5.4	15.21	5.4	-55760	LU 4	6277	1241198	0.137	-88349	LU 11	-179240	-1241198	0.137	Si
162	15.21	5.4	15.21	5.4						-152425	LU 11	-179240	-1241198	0.137	Si
167	15.21	5.4	15.21	5.4						-179240	LU 11	-179240	-1241198	0.137	Si
175	15.21	5.4	15.21	5.4						-220451	LU 11	-212210	-1241198	0.137	Si
187	15.21	5.4	15.21	5.4						-292425	LU 11	-233345	-1241198	0.137	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	-1177	LU 11	-1177	-7687	-35398	0	-7687	1	Si
12	0	15.21	0	-1493	LU 11	-1493	-7687	-35398	0	-7687	1	Si
23	0.374	15.21	0	-1746	LU 11	-1746	-7687	-35398	-30008	-30008	1	Si
37	0.374	15.21	0	-2125	LU 11	-2125	-7687	-35398	-30008	-30008	1	Si
50	0.374	15.21	0	-2441	LU 11	-2441	-7687	-35398	-30008	-30008	1	Si
56	0.374	15.21	0	-2599	LU 11	-2599	-7687	-35398	-30008	-30008	1	Si
69	0.374	15.21	0	-2915	LU 11	-2915	-7687	-35398	-30008	-30008	1	Si
81	0.374	15.21	0	-3231	LU 11	-3231	-7687	-35398	-30008	-30008	1	Si
94	0.374	15.21	0	-3546	LU 11	-3546	-7687	-35398	-30008	-30008	1	Si
106	0.374	15.21	0	-3862	LU 11	-3862	-7687	-35398	-30008	-30008	1	Si
119	0.374	15.21	0	-4178	LU 11	-4178	-7687	-35398	-30008	-30008	1	Si
131	0.374	15.21	0	-4494	LU 11	-4494	-7687	-35398	-30008	-30008	1	Si
144	0.374	15.21	0	-4810	LU 11	-4810	-7687	-35398	-30008	-30008	1	Si
150	0.374	15.21	0	-4968	LU 11	-4968	-7687	-35398	-30008	-30008	1	Si
162	0.374	15.21	0	-5284	LU 11	-5284	-7687	-35398	-30008	-30008	1	Si
167	0.374	15.21	0	-5410	LU 11	-5410	-7687	-35398	-30008	-30008	1	Si
175	0	15.21	0	-5600	LU 11	-5600	-7687	-35398	0	-7687	1	Si
187	0	15.21	0	-5916	LU 11	-5916	-7687	-35398	0	-7687	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	279523	2	269305	17.3	124.5	452	1837	247482	2	237526	15.3	93.4	0	+∞	Si
12	266802	2	264713	17	124.5	444.3	1837	235285	2	233259	15	93.4	0	+∞	Si
23	254429	2	254429	16.4	124.5	427	1837	223702	2	223702	14.4	93.4	0	+∞	Si
37	232574	2	254429	16.4	124.5	427	1837	203592	2	223702	14.4	93.4	0	+∞	Si
50	211067	2	244114	15.7	124.5	409.7	1837	184097	2	214165	13.8	93.4	0	+∞	Si
56	199215	2	234613	15.1	124.5	393.8	1837	173437	2	205458	13.2	93.4	0	+∞	Si
69	173315	2	213416	13.7	124.5	358.2	1837	150294	2	186220	12	93.4	0	+∞	Si
81	144486	2	189289	12.2	124.5	317.7	1837	124717	2	164549	10.6	93.4	0	+∞	Si
94	112728	2	162234	10.4	124.5	272.3	1837	96709	2	140446	9	93.4	0	+∞	Si
106	78042	2	132250	8.5	124.5	222	1837	66268	2	113911	7.3	93.4	0	+∞	Si
119	40427	2	99337	6.4	124.5	166.7	1837	33395	2	84943	5.5	93.4	0	+∞	Si
131	-2913	6	-71401	4.6	124.5	119.8	1837	-2680	1	-63737	4.1	93.4	0	+∞	Si
144	-43589	2	-119576	7.7	124.5	200.7	1837	-39649	2	-105380	6.8	93.4	0	+∞	Si
150	-66424	2	-134314	8.6	124.5	225.4	1837	-59430	2	-118102	7.6	93.4	0	+∞	Si
162	-114289	2	-134314	8.6	124.5	225.4	1837	-100817	2	-118102	7.6	93.4	0	+∞	Si
167	-134314	2	-134314	8.6	124.5	225.4	1837	-118102	2	-118102	7.6	93.4	0	+∞	Si
175	-165084	2	-158934	10.2	124.5	266.8	1837	-144637	2	-139345	9	93.4	0	+∞	Si
187	-218807	2	-174715	11.2	124.5	293.2	1837	-190888	2	-152963	9.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
12	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
23	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.004	2	9999	Si
37	0.005	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.006	2	0.006	2	9999	Si
50	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.007	2	0.007	2	9999	Si
56	0.006	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.008	2	0.007	2	9999	Si
69	0.006	0.005	0.004	0.003	0.005	0.005	0.004	0.003	0.005	0.005	0.008	2	0.007	2	9999	Si
81	0.006	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.008	2	0.007	2	9999	Si
94	0.005	0.004	0.004	0.003	0.005	0.004	0.003	0.003	0.004	0.004	0.007	2	0.006	2	9999	Si
106	0.005	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.006	2	0.006	2	9999	Si
119	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
131	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.004	2	0.003	2	9999	Si
144	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.002	2	0.002	2	9999	Si
150	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
162	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
167	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
175	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Trave a "Piano 1" (2221; 3356)-(2734; 3356)

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x60	Rettangolare	30	60	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - ?, sezione R 30x60, asta 996

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	6715	LU 17	6715	796256	0.099						Si
11	7.6	5.4	7.6	5.4						-18534	LU 17	-18534	-796256	0.099	Si
22	7.6	5.4	7.6	5.4						-47960	LU 17	-47960	-796256	0.099	Si
23	7.6	5.4	7.6	5.4						-48446	LU 17	-128149	-796256	0.099	Si
33	7.6	5.4	7.6	5.4						-81563	LU 17	-170333	-796256	0.099	Si
45	7.6	5.4	7.6	5.4						-119343	LU 17	-217305	-796256	0.099	Si
50	7.6	5.4	7.6	5.4						-139800	LU 17	-242357	-796256	0.099	Si
61	7.6	5.4	7.6	5.4						-183847	LU 17	-295595	-796256	0.099	Si
73	7.6	5.4	7.6	5.4						-232071	LU 17	-353009	-796256	0.099	Si
84	7.6	5.4	7.6	5.4						-284471	LU 17	-414601	-796256	0.099	Si
95	7.6	5.4	7.6	5.4						-341049	LU 17	-480370	-796256	0.099	Si
106	7.6	5.4	7.6	5.4						-401804	LU 17	-550315	-796256	0.099	Si
117	7.6	5.4	7.6	5.4						-466736	LU 17	-624438	-796256	0.099	Si
123	7.6	5.4	7.6	5.4						-500769	LU 17	-665747	-796256	0.099	Si
134	7.6	5.4	7.6	5.4						-571966	LU 17	-706630	-796256	0.099	Si
145	7.6	5.4	7.6	5.4						-648001	LU 18	-706630	-796256	0.099	Si
152	7.6	5.4	7.6	5.4						-706630	LU 18	-706630	-796256	0.099	Si
156	7.6	5.4	7.6	5.4						-738019	LU 18	-733849	-796256	0.099	Si
167	7.6	5.4	7.6	5.4						-833714	LU 18	-767687	-796256	0.099	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-2074	LU 17	-2074	-6713	-43335	0	-6713	1	Si
11	0	7.6	0	-2448	LU 17	-2448	-6713	-43335	0	-6713	1	Si
22	0	7.6	0	-2822	LU 17	-2822	-6713	-43335	0	-6713	1	Si
23	0.139	7.6	0	-2828	LU 17	-2828	-6713	-43335	-13658	-13658	1	Si
33	0.139	7.6	0	-3196	LU 17	-3196	-6713	-43335	-13658	-13658	1	Si
45	0.139	7.6	0	-3570	LU 17	-3570	-6713	-43335	-13658	-13658	1	Si
50	0.139	7.6	0	-3757	LU 17	-3757	-6713	-43335	-13658	-13658	1	Si
61	0.139	7.6	0	-4132	LU 17	-4132	-6713	-43335	-13658	-13658	1	Si
73	0.139	7.6	0	-4506	LU 17	-4506	-6713	-43335	-13658	-13658	1	Si
84	0.139	7.6	0	-5011	LU 18	-5011	-6713	-43335	-13658	-13658	1	Si
95	0.139	7.6	0	-5519	LU 18	-5519	-6713	-43335	-13658	-13658	1	Si
106	0.139	7.6	0	-6028	LU 18	-6028	-6713	-43335	-13658	-13658	1	Si
117	0.139	7.6	0	-6569	LU 12	-6569	-6713	-43335	-13658	-13658	1	Si
123	0.139	7.6	0	-6852	LU 12	-6852	-6713	-43335	-13658	-13658	1	Si
134	0.139	7.6	0	-7418	LU 12	-7418	-6713	-43335	-13658	-13658	1	Si
145	0.139	7.6	0	-7984	LU 12	-7984	-6713	-43335	-13658	-13658	1	Si
152	0.139	7.6	0	-8356	LU 12	-8356	-6713	-43335	-13658	-13658	1	Si
156	0	7.6	0	-8550	LU 12	-8550	-6713	-43335	0	-6713	1	Si
167	0	7.6	0	-9116	LU 12	-9116	-6713	-43335	0	-6713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	5104	8	5104	0.3	124.5	13.6	1837	4709	1	4709	0.3	93.4	0	+∞	Si
11	-14031	8	-14031	0.9	124.5	37.3	1837	-12561	1	-12561	0.8	93.4	0	+∞	Si
22	-36379	8	-36379	2.5	124.5	96.7	1837	-33045	1	-33045	2.2	93.4	0	+∞	Si
23	-36749	8	-97428	6.6	124.5	259	1837	-33387	1	-89964	6.1	93.4	0	+∞	Si
33	-61941	8	-129595	8.8	124.5	344.5	1837	-56743	1	-120294	8.1	93.4	0	+∞	Si
45	-90716	8	-165440	11.2	124.5	439.7	1837	-83654	1	-154275	10.4	93.4	0	+∞	Si
50	-106309	8	-184568	12.5	124.5	490.6	1837	-98314	1	-172470	11.6	93.4	0	+∞	Si
61	-139904	8	-225233	15.2	124.5	598.7	1837	-130045	1	-211271	14.3	93.4	0	+∞	Si
73	-176712	8	-269111	18.2	124.5	715.3	1837	-164988	1	-253285	17.1	93.4	0	+∞	Si
84	-216734	8	-316202	21.4	124.5	840.5	1837	-203146	1	-298512	20.2	93.4	0	+∞	Si
95	-259968	8	-366507	24.8	124.5	974.2	1837	-244516	1	-346952	23.4	93.4	0	+∞	Si
106	-306416	8	-420024	28.4	124.5	1116.4	1837	-289099	1	-398605	26.9	93.4	0	+∞	Si
117	-356077	8	-476755	32.2	124.5	1267.2	1837	-336896	1	-453471	30.6	93.4	0	+∞	Si
123	-382112	8	-508112	34.3	124.5	1350.6	1837	-361999	1	-482875	32.6	93.4	0	+∞	Si
134	-436593	8	-538945	36.4	124.5	1432.5	1837	-414615	1	-511057	34.5	93.4	0	+∞	Si
145	-494726	9	-538945	36.4	124.5	1432.5	1837	-470632	2	-511057	34.5	93.4	0	+∞	Si
152	-538945	9	-538945	36.4	124.5	1432.5	1837	-511057	2	-511057	34.5	93.4	0	+∞	Si
156	-562611	9	-559469	37.8	124.5	1487.1	1837	-532665	2	-529802	35.8	93.4	0	+∞	Si
167	-634708	9	-584983	39.5	124.5	1554.9	1837	-598339	2	-553104	37.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
134	superiore	54.5	0.00042	0.0227	9	54.5	0.0004	0.0216	4	54.5	0.0004	0.0215	2	Si
145	superiore	54.5	0.00042	0.0227	9	54.5	0.0004	0.0216	4	54.5	0.0004	0.0215	2	Si
152	superiore	54.5	0.00042	0.0227	9	54.5	0.0004	0.0216	4	54.5	0.0004	0.0215	2	Si
156	superiore	54.5	0.00043	0.0236	9	54.5	0.00041	0.0224	4	54.5	0.00041	0.0223	2	Si
167	superiore	54.5	0.00045	0.0247	9	54.5	0.00043	0.0234	2	54.5	0.00043	0.0233	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
11	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
22	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.004	2	9999	Si
23	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.004	2	9999	Si
33	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
45	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
50	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.008	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
61	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.009	2	-0.009	2	9999	Si
73	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	2	-0.01	2	9999	Si
84	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.011	2	-0.011	2	9999	Si
95	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	2	-0.011	2	9999	Si
100	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	2	-0.012	2	9999	Si
106	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	2	-0.011	2	9999	Si
117	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.011	2	-0.011	2	9999	Si
123	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	2	-0.011	2	9999	Si
134	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	2	-0.009	2	9999	Si
145	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
152	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
156	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si

Campata 2 tra i fili ? - ?, sezione R 30x60, asta 997

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-1090846	LU 18	-1045899	-796256	0.099	No
15	7.6	5.4	7.6	5.4						-1002519	LU 18	-1002519	-796256	0.099	No
20	7.6	5.4	7.6	5.4						-973599	LU 18	-1002519	-796256	0.099	No
40	7.6	5.4	7.6	5.4						-862618	LU 18	-1000032	-796256	0.099	No
60	7.6	5.4	7.6	5.4						-757902	LU 18	-887619	-796256	0.099	No
80	7.6	5.4	7.6	5.4						-659453	LU 18	-781472	-796256	0.099	Si
90	7.6	5.4	7.6	5.4						-612578	LU 18	-730748	-796256	0.099	Si
110	7.6	5.4	7.6	5.4						-523527	LU 18	-634000	-796256	0.099	Si
130	7.6	5.4	7.6	5.4						-440741	LU 18	-543517	-796256	0.099	Si
150	7.6	5.4	7.6	5.4						-364222	LU 18	-459300	-796256	0.099	Si
170	7.6	5.4	7.6	5.4						-293969	LU 18	-381349	-796256	0.099	Si
190	7.6	5.4	7.6	5.4						-232348	LU 17	-309664	-796256	0.099	Si
210	7.6	5.4	7.6	5.4						-176713	LU 17	-245953	-796256	0.099	Si
230	7.6	5.4	7.6	5.4						-126290	LU 17	-189128	-796256	0.099	Si
240	7.6	5.4	7.6	5.4						-103033	LU 17	-162669	-796256	0.099	Si
260	7.6	5.4	7.6	5.4						-60427	LU 17	-113661	-796256	0.099	Si
278	7.6	5.4	7.6	5.4						-27545	LU 17	-75028	-796256	0.099	Si
280	7.6	5.4	7.6	5.4						-23034	LU 17	-23034	-796256	0.099	Si
300	7.6	5.4	7.6	5.4	10038	LU 12	7610	796256	0.099						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	6180	LU 12	6180	6713	43335	0	6713	1	Si
15	0.046	7.6	0	5928	LU 12	5928	6713	43335	4509	6713	1	Si
20	0.046	7.6	0	5844	LU 12	5844	6713	43335	4509	6713	1	Si
40	0.046	7.6	0	5508	LU 12	5508	6713	43335	4509	6713	1	Si
60	0.046	7.6	0	5172	LU 12	5172	6713	43335	4509	6713	1	Si
80	0.046	7.6	0	4836	LU 12	4836	6713	43335	4509	6713	1	Si
90	0.046	7.6	0	4668	LU 12	4668	6713	43335	4509	6713	1	Si
110	0.046	7.6	0	4332	LU 12	4332	6713	43335	4509	6713	1	Si
130	0.046	7.6	0	3996	LU 12	3996	6713	43335	4509	6713	1	Si
150	0.046	7.6	0	3669	LU 18	3669	6713	43335	4509	6713	1	Si
170	0.046	7.6	0	3356	LU 18	3356	6713	43335	4509	6713	1	Si
190	0.046	7.6	0	3043	LU 18	3043	6713	43335	4509	6713	1	Si
210	0.046	7.6	0	2729	LU 18	2729	6713	43335	4509	6713	1	Si
230	0.046	7.6	0	2416	LU 18	2416	6713	43335	4509	6713	1	Si
240	0.046	7.6	0	2261	LU 17	2261	6713	43335	4509	6713	1	Si
260	0.046	7.6	0	2000	LU 17	2000	6713	43335	4509	6713	1	Si
278	0.046	7.6	0	1772	LU 17	1772	6713	43335	4509	6713	1	Si
280	0	7.6	0	1739	LU 17	1739	6713	43335	0	6713	1	Si
300	0	7.6	0	1479	LU 17	1479	6713	43335	0	6713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-827629	9	-793645	53.6	124.5	2109.5	1837	-772997	2	-741510	50.1	93.4	0	+∞	No
15	-760839	9	-760839	51.4	124.5	2022.3	1837	-711099	2	-711099	48	93.4	0	+∞	No
20	-738969	9	-760839	51.4	124.5	2022.3	1837	-690826	2	-711099	48	93.4	0	+∞	No
40	-655021	9	-758958	51.3	124.5	2017.3	1837	-612964	2	-709356	47.9	93.4	0	+∞	No
60	-575784	9	-673934	45.5	124.5	1791.3	1837	-539412	2	-630509	42.6	93.4	0	+∞	Si
80	-501260	9	-593621	40.1	124.5	1577.9	1837	-470171	2	-555973	37.6	93.4	0	+∞	Si
90	-465764	9	-555231	37.5	124.5	1475.8	1837	-437166	2	-520321	35.1	93.4	0	+∞	Si
110	-398307	9	-481986	32.6	124.5	1281.1	1837	-374390	2	-452249	30.5	93.4	0	+∞	Si
130	-335562	9	-413452	27.9	124.5	1099	1837	-315924	2	-388488	26.2	93.4	0	+∞	Si
150	-277528	9	-349630	23.6	124.5	929.3	1837	-261768	2	-329037	22.2	93.4	0	+∞	Si
170	-224206	9	-290519	19.6	124.5	772.2	1837	-211922	2	-273896	18.5	93.4	0	+∞	Si
190	-177173	8	-236121	15.9	124.5	627.6	1837	-167063	1	-223066	15.1	93.4	0	+∞	Si
210	-134666	8	-187573	12.7	124.5	498.6	1837	-126433	1	-177033	12	93.4	0	+∞	Si
230	-96168	8	-144150	9.7	124.5	383.2	1837	-89813	1	-135488	9.2	93.4	0	+∞	Si
240	-78423	8	-123942	8.4	124.5	329.4	1837	-73006	1	-116219	7.8	93.4	0	+∞	Si
260	-45938	8	-86533	5.8	124.5	230	1837	-42399	1	-80687	5.4	93.4	0	+∞	Si
278	-20897	8	-57067	3.9	124.5	151.7	1837	-19001	1	-52865	3.6	93.4	0	+∞	Si
280	-17463	8	-17463	1.2	124.5	46.4	1837	-15802	1	-15802	1.1	93.4	0	+∞	Si
300	7597	3	5725	0.4	124.5	15.2	1837	7017	2	4885	0.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	54.5	0.00061	0.0335	9	54.5	0.00067	0.0366	2	54.5	0.00066	0.0358	2	No
15	superiore	54.5	0.00059	0.0321	9	54.5	0.00063	0.0344	2	54.5	0.00062	0.0336	2	No
20	superiore	54.5	0.00059	0.0321	9	54.5	0.00063	0.0344	2	54.5	0.00062	0.0336	2	No
40	superiore	54.5	0.00059	0.032	9	54.5	0.00063	0.0343	2	54.5	0.00061	0.0335	2	No
60	superiore	54.5	0.00052	0.0284	9	54.5	0.00053	0.0286	2	54.5	0.00051	0.028	2	Si
80	superiore	54.5	0.00046	0.025	9	54.5	0.00044	0.0238	2	54.5	0.00043	0.0234	2	Si
90	superiore	54.5	0.00043	0.0234	9	54.5	0.00041	0.0222	2	54.5	0.0004	0.0219	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
15	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.017	1	-0.017	1	9999	Si
20	-0.007	-0.008	-0.008	-0.009	-0.007	-0.007	-0.008	-0.008	-0.007	-0.007	-0.021	1	-0.022	1	9999	Si
40	-0.012	-0.013	-0.013	-0.015	-0.012	-0.013	-0.013	-0.014	-0.012	-0.013	-0.036	1	-0.037	1	8396	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
60	-0.016	-0.018	-0.016	-0.019	-0.016	-0.017	-0.016	-0.017	-0.016	-0.017	-0.045	1	-0.046	1	6683	Si
80	-0.019	-0.02	-0.019	-0.021	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.05	1	-0.051	1	6001	Si
90	-0.02	-0.021	-0.019	-0.022	-0.02	-0.02	-0.019	-0.02	-0.02	-0.02	-0.052	1	-0.053	1	5824	Si
110	-0.02	-0.022	-0.02	-0.022	-0.02	-0.021	-0.02	-0.021	-0.02	-0.021	-0.053	1	-0.054	1	5684	Si
130	-0.02	-0.022	-0.02	-0.022	-0.02	-0.021	-0.02	-0.02	-0.02	-0.021	-0.052	1	-0.053	1	5773	Si
150	-0.02	-0.021	-0.019	-0.021	-0.02	-0.02	-0.019	-0.019	-0.02	-0.02	-0.049	1	-0.05	1	6075	Si
170	-0.018	-0.019	-0.017	-0.019	-0.018	-0.018	-0.017	-0.018	-0.018	-0.018	-0.045	1	-0.046	1	6617	Si
190	-0.016	-0.017	-0.015	-0.017	-0.016	-0.016	-0.015	-0.016	-0.016	-0.016	-0.04	1	-0.041	1	7482	Si
210	-0.014	-0.014	-0.013	-0.014	-0.014	-0.014	-0.013	-0.013	-0.014	-0.014	-0.034	1	-0.034	1	8848	Si
230	-0.011	-0.011	-0.01	-0.011	-0.011	-0.011	-0.01	-0.011	-0.011	-0.011	-0.027	1	-0.027	1	9999	Si
240	-0.009	-0.01	-0.009	-0.01	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.023	1	-0.024	1	9999	Si
260	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.016	1	-0.016	1	9999	Si
278	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
280	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si

Trave a "Piano 1" (2689; 3971)-29

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - 26, sezione R 45x70, asta 1015

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	2186	LU 12	2186	970067	0.076						Si
20	7.6	5.4	7.6	5.4	31738	LU 17	31738	970067	0.076						Si
23	7.6	5.4	7.6	5.4	35385	LU 17	71520	970067	0.076						Si
40	7.6	5.4	7.6	5.4	57858	LU 17	88834	970067	0.076						Si
59	7.6	5.4	7.6	5.4	79951	LU 17	105025	970067	0.076						Si
69	7.6	5.4	7.6	5.4	89488	LU 17	111610	970067	0.076						Si
89	7.6	5.4	7.6	5.4	105541	LU 17	121760	970067	0.076						Si
109	7.6	5.4	7.6	5.4	117566	LU 17	127883	970067	0.076						Si
129	7.6	5.4	7.6	5.4	125565	LU 17	129980	970067	0.076						Si
139	7.6	5.4	7.6	5.4	128054	LU 17	130012	970067	0.076						Si
149	7.6	5.4	7.6	5.4	129537	LU 17	130012	970067	0.076						Si
169	7.6	5.4	7.6	5.4	129481	LU 17	130012	970067	0.076						Si
188	7.6	5.4	7.6	5.4	125399	LU 17	129976	970067	0.076						Si
208	9.31	5.4	9.75	5.4	117289	LU 17	127769	1225834	0.081						Si
218	9.78	5.4	10.42	5.4	111725	LU 17	125155	1305180	0.082						Si
238	14.83	5.4	13.5	5.4	97575	LU 17	116908	1670371	0.086	21689	LU 2	-6477	-1827829	0.089	Si
258	17.39	5.4	14.83	5.4	79398	LU 17	104633	1828550	0.088	3211	LU 2	-15360	-2131513	0.092	Si
275	19.01	5.4	15.21	5.4	60314	LU 17	90709	1872544	0.088	-15360	LU 2	-15360	-2323187	0.094	Si
278	19.01	5.4	15.21	5.4	57193	LU 17	57193	1872544	0.088	-18366	LU 2	-18233	-2323187	0.094	Si
297	19.01	5.4	15.21	5.4	30962	LU 17	30962	1872544	0.088	-43040	LU 2	-28241	-2323187	0.094	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1622	LU 17	1622	9541	76908	0	9541	1	Si
20	0	7.6	0	1419	LU 17	1419	9541	76908	0	9541	1	Si
23	0.068	7.6	0	1391	LU 17	1391	9541	76908	7858	9541	1	Si
40	0.068	7.6	0	1215	LU 17	1215	9541	76908	7858	9541	1	Si
59	0.068	7.6	0	1012	LU 17	1012	9541	76908	7858	9541	1	Si
69	0.068	7.6	0	911	LU 17	911	9541	76908	7858	9541	1	Si
89	0.068	7.6	0	708	LU 17	708	9541	76908	7858	9541	1	Si
109	0.068	7.6	0	505	LU 17	505	9541	76908	7858	9541	1	Si
129	0.068	7.6	0	302	LU 17	302	9541	76908	7858	9541	1	Si
149	0.068	7.6	0	99	LU 8	99	9541	76908	7858	9541	1	Si
149	0.068	7.6	0	-151	LU 11	-151	-9541	-76908	-7858	-9541	1	Si
169	0.068	7.6	0	-354	LU 11	-354	-9541	-76908	-7858	-9541	1	Si
188	0.068	7.6	0	-557	LU 11	-557	-9541	-76908	-7858	-9541	1	Si
208	0.068	7.6	0	-760	LU 11	-760	-9541	-76908	-7858	-9541	1	Si
218	0.068	7.6	0	-862	LU 11	-862	-9541	-76908	-7858	-9541	1	Si
238	0.068	7.6	0	-1065	LU 11	-1065	-9541	-76908	-7858	-9541	1	Si
258	0.068	7.6	0	-1268	LU 11	-1268	-9541	-76908	-7858	-9541	1	Si
275	0.068	9.31	0	-1444	LU 11	-1444	-10207	-76908	-7858	-10207	1	Si
278	0	9.31	0	-1471	LU 11	-1471	-10207	-76908	0	-10207	1	Si
297	0	13.42	0	-1674	LU 11	-1674	-11532	-76908	0	-11532	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	1623	3	1623	0	124.5	0.6	1837	1357	2	1357	0.1	93.4	0	+∞	Si
20	24210	8	24210	0.6	124.5	8.6	1837	22888	1	22888	1	93.4	0	+∞	Si
23	26988	8	54482	1.3	124.5	19.2	1837	25486	1	51016	2.2	93.4	0	+∞	Si
40	44097	8	67622	1.6	124.5	23.9	1837	41435	1	62996	2.7	93.4	0	+∞	Si
59	60885	8	79870	1.9	124.5	28.2	1837	56883	1	73904	3.1	93.4	0	+∞	Si
69	68118	8	84833	2	124.5	30	1837	63446	1	78197	3.3	93.4	0	+∞	Si
89	80260	8	92435	2.2	124.5	32.7	1837	74248	1	84459	3.6	93.4	0	+∞	Si
109	89305	8	96939	2.3	124.5	34.2	1837	81953	1	87623	3.7	93.4	0	+∞	Si
129	95251	8	98345	2.3	124.5	34.7	1837	86559	1	88068	3.7	93.4	0	+∞	Si
149	98100	8	98363	2.3	124.5	34.7	1837	88068	1	88068	3.7	93.4	0	+∞	Si
169	97851	8	98363	2.3	124.5	34.7	1837	86479	1	88068	3.7	93.4	0	+∞	Si
188	94505	8	98328	2.3	124.5	34.7	1837	81793	1	87580	3.7	93.4	0	+∞	Si
208	88061	8	96424	3.6	124.5	166.8	1837	74009	1	84336	3.2	93.4	0	+∞	Si
218	83677	8	94311	3.4	124.5	152.9	1837	68955	1	81553	3	93.4	0	+∞	Si
238	72586	8	87760	2.7	124.5	110.4	1837	56524	1	73662	2.3	93.4	0	+∞	Si
258	58398	8	78112	2.3	124.5	89.5	1837	40996	1	62674	1.8	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
275	43540	8	67223	1.9	124.5	75.1	1837	24978	1	50625	1.4	93.4	0	+∞	Si
275	-1914	2	-1914	0.1	124.5	1.7	1837								Si
278	41112	8	41112	1.2	124.5	45.9	1837	22369	1	22369	0.6	93.4	0	+∞	Si
278	-4787	2	-4662	0.1	124.5	4.2	1837								Si
297	20728	8	20728	0.6	124.5	23.2	1837	646	1	646	0	93.4	0	+∞	Si
297	-28478	2	-14237	0.4	124.5	12.9	1837	-8091	2	-5368	0.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.001	0	0	0	0.001	0	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
23	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
40	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
59	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
69	0.002	0.001	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	1	0.003	1	9999	Si
89	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
109	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si
129	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si
149	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si
169	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si
188	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si
208	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
218	0.002	0.001	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
238	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
258	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
275	0.001	0	0.001	0	0.001	0	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
278	0.001	0	0.001	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si

Campata 2 tra i fili 26 - ?, sezione R 45x70, asta 1014

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	15.21	5.4	55215	LU 17	55215	1872544	0.088						Si
23	19.01	5.4	15.21	5.4	116278	LU 17	188422	1872544	0.088						Si
56	15.82	5.4	15.21	5.4	199976	LU 17	261844	1872716	0.088						Si
113	11.4	5.4	15.21	5.4	312249	LU 17	357352	1873055	0.09						Si
169	7.6	5.4	14.78	5.4	392034	LU 17	420372	1823274	0.091						Si
225	7.6	5.4	11.4	5.4	439331	LU 17	450904	1422093	0.084						Si
254	7.6	5.4	10.98	5.4	450797	LU 17	454164	1371764	0.083						Si
282	7.6	5.4	7.6	5.4	454164	LU 13	454164	970067	0.076						Si
310	7.6	5.4	7.6	5.4	449441	LU 13	454164	970067	0.076						Si
366	7.6	5.4	7.6	5.4	415629	LU 13	437008	970067	0.076						Si
423	7.6	5.4	7.6	5.4	349328	LU 13	432858	970067	0.076						Si
479	7.6	5.4	7.6	5.4	250539	LU 13	408492	970067	0.076						Si
535	7.6	5.4	7.6	5.4	119263	LU 13	335394	970067	0.076						Si
592	7.6	5.4	7.6	5.4	-34114	LU 1	213563	970067	0.076	-54251	LU 12	-151118	-970067	0.076	Si
648	14.99	5.4	7.6	5.4	-184790	LU 1	43001	971232	0.079	-249582	LU 12	-363214	-1847571	0.092	Si
676	15.21	5.4	7.6	5.4						-359431	LU 12	-481445	-1873491	0.092	Si
732	22.81	5.4	7.6	5.4						-603494	LU 12	-742273	-2772672	0.114	Si
789	27.22	5.4	7.6	5.4						-880045	LU 12	-1035590	-3284333	0.143	Si
823	30.41	5.4	7.6	5.4						-1062408	LU 12	-1062408	-3644736	0.167	Si
845	30.41	5.4	7.6	5.4						-1189182	LU 18	-1124777	-3644736	0.167	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	2880	LU 11	2880	12021	76908	0	12021	1	Si
23	0.068	15.21	0	2649	LU 11	2649	12021	76908	7878	12021	1	Si
56	0.068	15.21	0	2303	LU 11	2303	12021	76908	7878	12021	1	Si
113	0.068	14.78	0	1726	LU 11	1726	11908	76908	7878	11908	1	Si
169	0.068	11.4	0	1150	LU 11	1150	10922	76908	7878	10922	1	Si
225	0.068	7.6	0	573	LU 11	573	9541	76908	7878	9541	1	Si
254	0.068	7.6	0	285	LU 11	285	9541	76908	7878	9541	1	Si
310	0.068	7.6	0	-314	LU 17	-314	-9541	-76908	-7878	-9541	1	Si
366	0.068	7.6	0	-891	LU 17	-891	-9541	-76908	-7878	-9541	1	Si
423	0.068	7.6	0	-1467	LU 17	-1467	-9541	-76908	-7878	-9541	1	Si
479	0.068	7.6	0	-2044	LU 17	-2044	-9541	-76908	-7878	-9541	1	Si
535	0.068	7.6	0	-2621	LU 17	-2621	-9541	-76908	-7878	-9541	1	Si
592	0.068	7.6	0	-3197	LU 17	-3197	-9541	-76908	-7878	-9541	1	Si
648	0.068	7.6	0	-3774	LU 17	-3774	-9541	-76908	-7878	-9541	1	Si
676	0.068	12.33	0	-4062	LU 17	-4062	-11210	-76908	-7878	-11210	1	Si
732	0.068	15.21	0	-4639	LU 17	-4639	-12021	-76908	-7878	-12021	1	Si
789	0.068	22.81	0	-5216	LU 17	-5216	-13760	-76908	-7878	-13760	1	Si
823	0.068	22.81	0	-5562	LU 17	-5562	-13760	-76908	-7878	-13760	1	Si
845	0	27.22	0	-5793	LU 17	-5793	-14596	-76908	0	-14596	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	42032	8	42032	1.2	124.5	47	1837	39163	1	39163	1.1	93.4	0	+∞	Si
23	89023	8	144545	4.1	124.5	161.6	1837	86284	1	141972	4	93.4	0	+∞	Si
56	153436	8	201052	5.9	124.5	225.2	1837	150891	1	198674	5.9	93.4	0	+∞	Si
113	239850	8	274570	8.6	124.5	308.8	1837	237628	1	272515	8.5	93.4	0	+∞	Si
169	301273	8	323097	10.7	124.5	374.8	1837	299374	1	321365	10.6	93.4	0	+∞	Si
225	337705	8	346632	12.6	124.5	516.1	1837	336129	1	345224	12.5	93.4	0	+∞	Si
254	346549	8	349162	12.9	124.5	539.2	1837	345135	1	347894	12.8	93.4	0	+∞	Si
310	345548	4	349162	8.2	124.5	123.4	1837	344404	1	347894	14.7	93.4	0	+∞	Si
366	319577	4	336002	7.9	124.5	118.7	1837	318682	1	334980	14.2	93.4	0	+∞	Si
423	268615	4	297937	7	124.5	105.3	1837	267970	1	297163	12.6	93.4	0	+∞	Si
479	192662	4	234880	5.5	124.5	83	1837	192266	1	234355	9.9	93.4	0	+∞	Si
535	91718	4	146832	3.5	124.5	51.9	1837	91571	1	146557	6.2	93.4	0	+∞	Si
592	-40716	3	-115258	2.7	124.5	40.7	1837	-36079	2	-110734	4.7	93.4	0	+∞	Si
648	-191027	3	-278465	9.2	124.5	318.8	1837	-186609	2	-274159	9	93.4	0	+∞	Si
676	-275554	3	-369440	12.1	124.5	417.1	1837	-271245	2	-365244	12	93.4	0	+∞	Si
732	-463351	3	-570133	16.3	124.5	437	1837	-459260	2	-566156	16.2	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
789	-676139	3	-795818	21.6	124.5	515.7	1837	-672267	2	-792058	21.5	93.4	0	+∞	Si
823	-816452	3	-816452	21.4	124.5	476.3	1837	-812711	2	-812711	21.3	93.4	0	+∞	Si
845	-913983	9	-864439	22.7	124.5	504.3	1837	-910264	2	-860742	22.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	1	0.011	1	9999	Si
56	0.012	0.012	0.011	0.01	0.012	0.012	0.011	0.011	0.012	0.012	0.028	1	0.028	1	9999	Si
113	0.024	0.022	0.021	0.02	0.023	0.023	0.021	0.02	0.023	0.023	0.054	1	0.053	1	9999	Si
169	0.033	0.031	0.029	0.028	0.032	0.032	0.029	0.028	0.032	0.032	0.075	1	0.074	1	9999	Si
225	0.039	0.037	0.035	0.033	0.039	0.038	0.035	0.034	0.039	0.038	0.09	1	0.089	1	9362	Si
254	0.041	0.039	0.037	0.035	0.041	0.04	0.036	0.036	0.041	0.04	0.095	1	0.094	1	8850	Si
310	0.043	0.041	0.038	0.037	0.043	0.042	0.038	0.037	0.043	0.042	0.101	1	0.099	1	8398	Si
366	0.042	0.04	0.037	0.036	0.042	0.041	0.037	0.036	0.042	0.041	0.099	1	0.097	1	8569	Si
423	0.038	0.036	0.034	0.032	0.038	0.037	0.034	0.033	0.038	0.037	0.09	1	0.089	1	9390	Si
479	0.032	0.03	0.028	0.027	0.032	0.031	0.028	0.027	0.032	0.031	0.076	1	0.074	1	9999	Si
535	0.024	0.022	0.021	0.02	0.024	0.023	0.021	0.02	0.024	0.024	0.058	1	0.056	1	9999	Si
592	0.015	0.014	0.014	0.012	0.015	0.015	0.013	0.013	0.015	0.015	0.038	1	0.037	1	9999	Si
648	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.007	0.018	1	0.017	1	9999	Si
676	0.003	0.002	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.01	1	0.009	1	9999	Si
732	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.003	1	-0.003	1	9999	Si
789	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.007	1	-0.008	1	9999	Si
823	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si

Campata 3 tra i fili ? - 28, sezione R 45x70, asta 1013

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	7.6	5.4						-683105	LU 10	-636153	-3644736	0.167	Si
23	30.41	5.4	7.6	5.4						-590985	LU 10	-590985	-3644736	0.167	Si
59	25.63	5.4	7.6	5.4						-450456	LU 10	-560695	-3101637	0.132	Si
118	15.21	5.4	7.6	5.4						-253443	LU 10	-346124	-1873491	0.092	Si
177	7.6	5.4	7.6	5.4						-92067	LU 10	-167190	-970067	0.076	Si
206	7.6	5.4	7.6	5.4	-14350	LU 9	48343	970067	0.076	-24743	LU 10	-91086	-970067	0.076	Si
265	7.6	5.4	7.6	5.4	88061	LU 18	235436	970067	0.076						Si
324	7.6	5.4	7.6	5.4	160546	LU 18	369074	970067	0.076						Si
383	7.6	5.4	7.6	5.4	197393	LU 18	449256	970067	0.076						Si
442	7.6	5.4	7.6	5.4	198605	LU 18	475984	970067	0.076						Si
501	7.6	5.4	7.6	5.4	164179	LU 18	449256	970067	0.076						Si
560	7.6	5.4	7.6	5.4	94117	LU 18	369074	970067	0.076						Si
619	7.6	5.4	7.6	5.4	-7504	LU 9	235436	970067	0.076	-17670	LU 10	-83017	-970067	0.076	Si
649	7.6	5.4	7.6	5.4	-58415	LU 9	148571	970067	0.076	-83984	LU 10	-158110	-970067	0.076	Si
708	15.21	5.4	7.6	5.4						-243339	LU 10	-335024	-1873491	0.092	Si
767	15.21	5.4	7.6	5.4						-438330	LU 10	-547574	-1873491	0.092	Si
826	19.37	5.4	7.6	5.4						-668959	LU 10	-795761	-2366502	0.103	Si
862	22.81	5.4	7.6	5.4						-830285	LU 10	-830285	-2772675	0.114	Si
885	22.81	5.4	7.6	5.4						-935224	LU 10	-881862	-2772675	0.114	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	25.63	0	4250	LU 11	4250	14306	76908	0	14306	1	Si
23	0.068	18.69	0	4019	LU 11	4019	12876	76908	7920	12876	1	Si
59	0.068	15.21	0	3646	LU 11	3646	12021	76908	7920	12021	1	Si
118	0.068	7.6	0	3042	LU 11	3042	9541	76908	7920	9541	1	Si
177	0.068	7.6	0	2437	LU 11	2437	9541	76908	7920	9541	1	Si
206	0.068	7.6	0	2135	LU 11	2135	9541	76908	7920	9541	1	Si
265	0.068	7.6	0	1531	LU 11	1531	9541	76908	7920	9541	1	Si
324	0.068	7.6	0	927	LU 11	927	9541	76908	7920	9541	1	Si
383	0.068	7.6	0	323	LU 11	323	9541	76908	7920	9541	1	Si
442	0.068	7.6	0	-285	LU 13	-285	-9541	-76908	-7920	-9541	1	Si
501	0.068	7.6	0	-889	LU 13	-889	-9541	-76908	-7920	-9541	1	Si
560	0.068	7.6	0	-1493	LU 13	-1493	-9541	-76908	-7920	-9541	1	Si
619	0.068	7.6	0	-2097	LU 13	-2097	-9541	-76908	-7920	-9541	1	Si
649	0.068	7.6	0	-2399	LU 13	-2399	-9541	-76908	-7920	-9541	1	Si
708	0.068	7.6	0	-3003	LU 13	-3003	-9541	-76908	-7920	-9541	1	Si
767	0.068	15.21	0	-3607	LU 13	-3607	-12021	-76908	-7920	-12021	1	Si
826	0.068	15.21	0	-4211	LU 13	-4211	-12021	-76908	-7920	-12021	1	Si
862	0.068	15.21	0	-4585	LU 13	-4585	-12021	-76908	-7920	-12021	1	Si
885	0	19.37	0	-4815	LU 13	-4815	-13031	-76908	0	-13031	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-525465	1	-489348	12.8	124.5	285.5	1837	-525465	1	-489348	12.8	93.4	0	+∞	Si
23	-454604	1	-454604	11.9	124.5	265.2	1837	-454604	1	-454604	11.9	93.4	0	+∞	Si
59	-346504	1	-431304	11.9	124.5	295.9	1837	-346504	1	-431304	11.9	93.4	0	+∞	Si
118	-194956	1	-266249	8.7	124.5	300.6	1837	-194956	1	-266249	8.7	93.4	0	+∞	Si
177	-70821	1	-128607	3	124.5	45.4	1837	-70821	1	-128607	5.4	93.4	0	+∞	Si
206	-19033	1	-70066	1.7	124.5	24.8	1837	-19033	1	-70066	3	93.4	0	+∞	Si
265	67238	9	98077	2.3	124.5	34.6	1837	64264	2	95062	4	93.4	0	+∞	Si
324	122975	9	140307	3.3	124.5	49.6	1837	119918	2	137209	5.8	93.4	0	+∞	Si
383	151299	9	155125	3.7	124.5	54.8	1837	148159	2	151943	6.4	93.4	0	+∞	Si
442	152210	9	155138	3.7	124.5	54.8	1837	148987	2	151956	6.4	93.4	0	+∞	Si
501	125708	9	142143	3.3	124.5	50.2	1837	122402	2	138878	5.9	93.4	0	+∞	Si
560	71794	9	101735	1.8	124.5	35.9	1837	68405	2	98387	4.2	93.4	0	+∞	Si
619	-13593	1	-63859	1.5	124.5	22.6	1837	-13593	1	-63859	2.7	93.4	0	+∞	Si
649	-64603	1	-121623	2.9	124.5	43	1837	-64603	1	-121623	5.1	93.4	0	+∞	Si
708	-187184	1	-257711	8.4	124.5	291	1837	-187184	1	-257711	8.4	93.4	0	+∞	Si
767	-337177	1	-421211	13.8	124.5	475.6	1837	-337177	1	-421211	13.8	93.4	0	+∞	Si
826	-514584	1	-612124	18.5	124.5	548.4	1837	-514584	1	-612124	18.5	93.4	0	+∞	Si
862	-638680	1	-638680	18.3	124.5	489.6	1837	-638680	1	-638680	18.3	93.4	0	+∞	Si
885	-719403	1	-678355	19.4	124.5	520	1837	-719403	1	-678355	19.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
59	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
118	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
177	0.001	0	0	-0.001	0	0	-0.001	-0.001	0	0	0	2	0	2	9999	Si
206	0.002	0.002	0.001	0	0.002	0.002	0.001	0	0.002	0.002	0.003	2	0.003	2	9999	Si
265	0.005	0.004	0.004	0.003	0.005	0.004	0.003	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si
324	0.007	0.007	0.006	0.005	0.007	0.007	0.005	0.005	0.007	0.007	0.014	2	0.014	2	9999	Si
383	0.009	0.008	0.007	0.006	0.008	0.008	0.006	0.006	0.008	0.008	0.017	2	0.017	2	9999	Si
442	0.008	0.007	0.006	0.005	0.007	0.007	0.005	0.005	0.007	0.007	0.016	2	0.016	2	9999	Si
501	0.006	0.005	0.004	0.004	0.006	0.005	0.004	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
560	0.003	0.002	0.002	0.001	0.003	0.002	0.001	0.001	0.002	0.002	0.005	2	0.004	2	9999	Si
619	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.004	2	-0.004	2	9999	Si
649	-0.002	-0.003	-0.003	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.008	2	-0.009	2	9999	Si
708	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.015	2	-0.016	2	9999	Si
767	-0.007	-0.008	-0.007	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.019	2	-0.019	2	9999	Si
826	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.015	2	-0.015	2	9999	Si
862	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si

Campata 4 tra i fili 28 - 29, sezione R 45x70, asta 1012

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-1008430	LU 10	-948311	-2772675	0.114	Si
23	22.81	5.4	7.6	5.4						-890053	LU 10	-890053	-2772675	0.114	Si
58	19.49	5.4	8.46	5.4						-713546	LU 10	-857978	-2381368	0.102	Si
115	15.21	5.4	7.6	5.4						-452707	LU 10	-579977	-1873491	0.092	Si
173	12.39	5.4	7.6	5.4						-225912	LU 10	-336020	-1539795	0.086	Si
231	7.6	5.4	7.6	5.4	-11554	LU 9	142555	970067	0.076	-33162	LU 10	-126107	-970067	0.076	Si
260	7.6	5.4	7.6	5.4	62100	LU 18	224984	970067	0.076	38805	LU 1	-33918	-970067	0.076	Si
317	7.6	5.4	7.6	5.4	199182	LU 18	351543	970067	0.076						Si
375	7.6	5.4	7.6	5.4	303816	LU 12	427036	970067	0.076						Si
433	7.6	5.4	7.6	5.4	374693	LU 12	451462	970067	0.076						Si
490	7.6	5.4	7.6	5.4	412919	LU 10	424822	970067	0.076						Si
548	7.6	5.4	7.6	5.4	418426	LU 10	419928	970067	0.076						Si
606	7.6	5.4	11.03	5.4	389889	LU 10	408496	1377099	0.083						Si
634	7.6	5.4	11.4	5.4	362854	LU 10	390041	1422093	0.084						Si
692	7.6	5.4	11.4	5.4	283251	LU 10	327600	1422093	0.084						Si
750	15.11	5.4	11.4	5.4	169604	LU 10	231114	1422107	0.084						Si
807	15.21	5.4	11.4	5.4	21912	LU 10	100585	1422107	0.084	-15221	LU 9	-99879	-1873055	0.09	Si
838	15.21	5.4	11.4	5.4	-53153	LU 1	18618	1422107	0.084	-103584	LU 18	-103584	-1873055	0.09	Si
865	15.21	5.4	11.4	5.4						-196504	LU 18	-148202	-1873055	0.09	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.49	0	5409	LU 10	5409	13059	76908	0	13059	1	Si
23	0.068	15.21	0	5178	LU 10	5178	12021	76908	7876	12021	1	Si
58	0.068	15.21	0	4818	LU 10	4818	12021	76908	7876	12021	1	Si
115	0.068	12.39	0	4228	LU 10	4228	11229	76908	7876	11229	1	Si
173	0.068	7.6	0	3638	LU 10	3638	9541	76908	7876	9541	1	Si
231	0.068	7.6	0	3047	LU 10	3047	9541	76908	7876	9541	1	Si
260	0.068	7.6	0	2752	LU 10	2752	9541	76908	7876	9541	1	Si
317	0.068	7.6	0	2162	LU 10	2162	9541	76908	7876	9541	1	Si
375	0.068	7.6	0	1571	LU 10	1571	9541	76908	7876	9541	1	Si
433	0.068	7.6	0	981	LU 10	981	9541	76908	7876	9541	1	Si
490	0.068	7.6	0	391	LU 10	391	9541	76908	7876	9541	1	Si
548	0.068	7.6	0	-280	LU 18	-280	-9541	-76908	-7876	-9541	1	Si
606	0.068	7.6	0	-870	LU 18	-870	-9541	-76908	-7876	-9541	1	Si
634	0.068	7.6	0	-1165	LU 18	-1165	-9541	-76908	-7876	-9541	1	Si
692	0.068	11.4	0	-1755	LU 18	-1755	-10922	-76908	-7876	-10922	1	Si
750	0.068	11.4	0	-2346	LU 18	-2346	-10922	-76908	-7876	-10922	1	Si
807	0.068	15.11	0	-2936	LU 18	-2936	-11996	-76908	-7876	-11996	1	Si
838	0.068	15.21	0	-3245	LU 18	-3245	-12021	-76908	-7876	-12021	1	Si
865	0	15.21	0	-3526	LU 18	-3526	-12021	-76908	0	-12021	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-775715	1	-729470	20.9	124.5	559.2	1837	-775715	1	-729470	20.9	93.4	0	+∞	Si
23	-684656	1	-684656	19.6	124.5	524.8	1837	-684656	1	-684656	19.6	93.4	0	+∞	Si
58	-548882	1	-659983	19.7	124.5	586.9	1837	-548882	1	-659983	19.7	93.4	0	+∞	Si
115	-348236	1	-446136	14.6	124.5	503.7	1837	-348236	1	-446136	14.6	93.4	0	+∞	Si
173	-173779	1	-258477	9.1	124.5	355.2	1837	-173779	1	-258477	9.1	93.4	0	+∞	Si
231	-25509	1	-97006	2.3	124.5	34.3	1837	-25509	1	-97006	4.1	93.4	0	+∞	Si
260	46574	9	103215	1.8	124.5	36.5	1837	40414	2	98368	4.2	93.4	0	+∞	Si
317	152493	9	196375	4.6	124.5	69.4	1837	148938	2	193691	8.2	93.4	0	+∞	Si
375	233290	3	264161	6.2	124.5	93.3	1837	231275	2	262826	11.1	93.4	0	+∞	Si
433	288090	3	305837	7.2	124.5	108	1837	287423	2	305789	12.9	93.4	0	+∞	Si
490	317630	1	323022	7.6	124.5	114.1	1837	317630	1	323022	13.7	93.4	0	+∞	Si
548	321866	1	323022	7.6	124.5	114.1	1837	321866	1	323022	13.7	93.4	0	+∞	Si
606	299915	1	314227	11.5	124.5	483.3	1837	299915	1	314227	11.5	93.4	0	+∞	Si
634	279119	1	300032	10.9	124.5	446.7	1837	279119	1	300032	10.9	93.4	0	+∞	Si
692	217886	1	252000	9.1	124.5	375.2	1837	217886	1	252000	9.1	93.4	0	+∞	Si
750	130464	1	177780	5.8	124.5	263.3	1837	130464	1	177780	5.8	93.4	0	+∞	Si
807	16855	1	77373	2.5	124.5	114.6	1837	16855	1	77373	2.5	93.4	0	+∞	Si
807	-4529	9	-73302	2.3	124.5	81.8	1837								Si
838	-76143	9	-76143	1.8	124.5	85.6	1837	-56191	2	-56191	1.8	93.4	0	+∞	Si
865	-147395	9	-110352	3.4	124.5	124.1	1837	-126200	2	-89779	2.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara	Frequente	Quasi permanente	Verifica

	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
58	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	2	-0.002	2	9999	Si
115	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.008	2	0.008	2	9999	Si
173	0.011	0.01	0.009	0.009	0.01	0.01	0.009	0.009	0.01	0.01	0.024	2	0.024	2	9999	Si
231	0.019	0.019	0.017	0.016	0.019	0.019	0.016	0.016	0.019	0.019	0.044	2	0.044	2	9999	Si
260	0.024	0.023	0.021	0.02	0.023	0.023	0.02	0.02	0.023	0.023	0.054	2	0.054	2	9999	Si
317	0.032	0.031	0.028	0.027	0.032	0.031	0.028	0.028	0.031	0.031	0.074	2	0.074	2	9999	Si
375	0.039	0.038	0.034	0.034	0.038	0.038	0.034	0.034	0.038	0.038	0.09	2	0.09	2	9582	Si
433	0.043	0.043	0.039	0.038	0.043	0.043	0.039	0.038	0.043	0.043	0.102	2	0.102	2	8506	Si
490	0.046	0.045	0.041	0.04	0.046	0.045	0.041	0.041	0.045	0.045	0.107	2	0.107	2	8094	Si
519	0.046	0.045	0.041	0.04	0.046	0.046	0.041	0.041	0.046	0.046	0.107	1	0.107	1	8093	Si
548	0.045	0.044	0.04	0.039	0.045	0.045	0.04	0.04	0.045	0.045	0.105	1	0.105	1	8224	Si
606	0.041	0.04	0.037	0.036	0.041	0.041	0.037	0.037	0.041	0.041	0.097	1	0.096	1	8961	Si
634	0.039	0.038	0.034	0.033	0.039	0.038	0.034	0.034	0.039	0.038	0.09	1	0.09	1	9636	Si
692	0.031	0.03	0.028	0.027	0.031	0.031	0.028	0.027	0.031	0.031	0.072	1	0.072	1	9999	Si
750	0.022	0.021	0.019	0.018	0.022	0.021	0.019	0.019	0.022	0.021	0.05	1	0.05	1	9999	Si
807	0.011	0.01	0.01	0.009	0.011	0.011	0.01	0.01	0.011	0.011	0.025	1	0.025	1	9999	Si
838	0.005	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	1	0.012	1	9999	Si

Trave a "Piano 2" 4-14

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 4 - 5, sezione R 40x70, asta 1224

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	37148	LU 11	37148	962923	0.078						Si
20	7.6	5.4	7.6	5.4	52312	LU 11	52312	962923	0.078						Si
20	7.6	5.4	7.6	5.4	52413	LU 11	66969	962923	0.078						Si
40	7.6	5.4	7.6	5.4	63270	LU 11	71696	962923	0.078						Si
59	7.6	5.4	7.6	5.4	70021	LU 11	74922	962923	0.078						Si
79	7.6	5.4	7.6	5.4	73045	LU 16	76069	962923	0.078						Si
89	7.6	5.4	7.6	5.4	75073	LU 15	76069	962923	0.078						Si
109	7.6	5.4	7.6	5.4	75865	LU 15	76069	962923	0.078						Si
129	7.6	5.4	7.6	5.4	71855	LU 15	76055	962923	0.078						Si
149	7.6	5.4	7.6	5.4	63041	LU 15	74282	962923	0.078						Si
169	7.6	5.4	7.6	5.4	49424	LU 15	67705	962923	0.078	22208	LU 3	-2660	-962923	0.078	Si
188	7.6	5.4	7.6	5.4	31192	LU 17	56325	962923	0.078	6077	LU 2	-26446	-962923	0.078	Si
208	7.6	5.4	7.6	5.4	8360	LU 17	40147	962923	0.078	-13493	LU 2	-57409	-962923	0.078	Si
218	7.6	5.4	7.6	5.4	-1945	LU 8	30450	962923	0.078	-27404	LU 11	-74468	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	-25298	LU 8	7592	962923	0.078	-58511	LU 11	-111741	-962923	0.078	Si
258	7.6	5.4	7.6	5.4						-93825	LU 11	-133005	-962923	0.078	Si
277	7.6	5.4	7.6	5.4						-133005	LU 11	-133005	-962923	0.078	Si
278	7.6	5.4	7.6	5.4						-133346	LU 11	-133326	-962923	0.078	Si
297	7.6	5.4	7.6	5.4						-177073	LU 11	-152348	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1143	LU 17	1143	8821	68363	0	8821	1	Si
20	0	7.6	0	947	LU 17	947	8821	68363	0	8821	1	Si
20	0.062	7.6	0	945	LU 17	945	8821	68363	7252	8821	1	Si
40	0.062	7.6	0	725	LU 17	725	8821	68363	7252	8821	1	Si
59	0.062	7.6	0	502	LU 17	502	8821	68363	7252	8821	1	Si
79	0.062	7.6	0	278	LU 17	278	8821	68363	7252	8821	1	Si
79	0.062	7.6	0	-7	LU 2	-7	-8821	-68363	-7252	-8821	1	Si
89	0.062	7.6	0	167	LU 17	167	8821	68363	7252	8821	1	Si
89	0.062	7.6	0	-83	LU 2	-83	-8821	-68363	-7252	-8821	1	Si
109	0.062	7.6	0	-273	LU 11	-273	-8821	-68363	-7252	-8821	1	Si
129	0.062	7.6	0	-469	LU 11	-469	-8821	-68363	-7252	-8821	1	Si
149	0.062	7.6	0	-664	LU 11	-664	-8821	-68363	-7252	-8821	1	Si
169	0.062	7.6	0	-860	LU 11	-860	-8821	-68363	-7252	-8821	1	Si
188	0.062	7.6	0	-1056	LU 11	-1056	-8821	-68363	-7252	-8821	1	Si
208	0.062	7.6	0	-1262	LU 16	-1262	-8821	-68363	-7252	-8821	1	Si
218	0.062	7.6	0	-1373	LU 16	-1373	-8821	-68363	-7252	-8821	1	Si
238	0.062	7.6	0	-1597	LU 16	-1597	-8821	-68363	-7252	-8821	1	Si
258	0.062	7.6	0	-1820	LU 16	-1820	-8821	-68363	-7252	-8821	1	Si
277	0.062	7.6	0	-2042	LU 16	-2042	-8821	-68363	-7252	-8821	1	Si
278	0	7.6	0	-2044	LU 16	-2044	-8821	-68363	0	-8821	1	Si
297	0	7.6	0	-2267	LU 16	-2267	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	27670	2	27670	0.7	124.5	10.8	1837	23550	2	23550	1.1	93.4	0	+∞	Si
20	39555	2	39555	1	124.5	15.5	1837	36436	2	36436	1.6	93.4	0	+∞	Si
20	39634	2	51154	1.3	124.5	20	1837	36524	2	49512	2.2	93.4	0	+∞	Si
40	48204	2	55008	1.4	124.5	21.5	1837	46087	2	54360	1.8	93.4	0	+∞	Si
59	53617	2	57439	1.5	124.5	22.5	1837	52503	2	56184	2.5	93.4	0	+∞	Si
79	56114	7	58181	1.5	124.5	22.7	1837	55682	2	56225	2.5	93.4	0	+∞	Si
89	57545	6	58181	1.5	124.5	22.7	1837	56225	1	56225	2.5	93.4	0	+∞	Si
109	57907	6	58181	1.5	124.5	22.7	1837	54980	1	56225	2.5	93.4	0	+∞	Si
129	54636	6	58162	1.5	124.5	22.7	1837	50499	1	55936	2.5	93.4	0	+∞	Si
149	47732	6	56583	1.5	124.5	22.1	1837	42783	1	52962	1.8	93.4	0	+∞	Si
169	37193	6	51370	1.3	124.5	20.1	1837	31830	1	46753	2.1	93.4	0	+∞	Si
188	23147	8	42524	1.1	124.5	16.6	1837	17642	1	37308	1.7	93.4	0	+∞	Si
208	5603	8	30048	0.8	124.5	11.7	1837	219	1	24627	1.1	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
208	-8923	2	-42432	1.1	124.5	16.6	1837	-2524	2	-34564	1.6	93.4	0	+∞	Si
218	-19564	2	-55444	1.4	124.5	21.7	1837	-12664	2	-47076	2.1	93.4	0	+∞	Si
238	-43272	2	-83895	2.2	124.5	32.8	1837	-35371	2	-74525	3.3	93.4	0	+∞	Si
258	-70217	2	-100136	2.6	124.5	39.1	1837	-61313	2	-90239	4	93.4	0	+∞	Si
277	-100136	2	-100136	2.6	124.5	39.1	1837	-90239	2	-90239	4	93.4	0	+∞	Si
278	-100397	2	-100382	2.6	124.5	39.2	1837	-90491	2	-90477	4.1	93.4	0	+∞	Si
297	-133813	2	-114913	3	124.5	44.9	1837	-122905	2	-104551	4.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
40	0.001	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	1	0.001	1	9999	Si
59	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
79	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
89	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
109	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
129	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
149	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
169	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
188	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	1	0.001	1	9999	Si
208	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
218	0.001	0	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
238	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
258	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
277	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
278	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Campata 3 tra i fili 5 - 6, sezione R 40x70, asta 1225

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-35029	LU 18	-21283	-962923	0.078	Si
19	7.6	5.4	7.6	5.4	1725	LU 13	1712	962923	0.078	-10974	LU 7	-10974	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	2521	LU 13	27708	962923	0.078	-10222	LU 7	-10222	-962923	0.078	Si
38	7.6	5.4	7.6	5.4	19192	LU 13	41783	962923	0.078	3172	LU 2	-10222	-962923	0.078	Si
57	7.6	5.4	7.6	5.4	34648	LU 17	52727	962923	0.078	13873	LU 2	-3375	-962923	0.078	Si
77	7.6	5.4	7.6	5.4	47564	LU 17	59854	962923	0.078						Si
86	7.6	5.4	7.6	5.4	52591	LU 17	61987	962923	0.078						Si
105	7.6	5.4	7.6	5.4	59782	LU 17	63413	962923	0.078						Si
125	7.6	5.4	7.6	5.4	63157	LU 17	63413	962923	0.078						Si
144	7.6	5.4	7.6	5.4	62715	LU 17	63413	962923	0.078						Si
163	7.6	5.4	7.6	5.4	58457	LU 17	63413	962923	0.078						Si
182	7.6	5.4	7.6	5.4	50383	LU 17	61118	962923	0.078						Si
201	7.6	5.4	7.6	5.4	38492	LU 17	55016	962923	0.078	12165	LU 2	-5775	-962923	0.078	Si
220	7.6	5.4	7.6	5.4	22784	LU 17	45097	962923	0.078	1008	LU 2	-24450	-962923	0.078	Si
230	7.6	5.4	7.6	5.4	13500	LU 17	38706	962923	0.078	-5535	LU 2	-35521	-962923	0.078	Si
249	7.6	5.4	7.6	5.4	-4400	LU 8	23063	962923	0.078	-24081	LU 11	-45971	-962923	0.078	Si
267	7.6	5.4	7.6	5.4	-22303	LU 4	5382	962923	0.078	-45971	LU 11	-45971	-962923	0.078	Si
268	7.6	5.4	7.6	5.4						-47004	LU 11	-47004	-962923	0.078	Si
287	7.6	5.4	7.6	5.4						-73271	LU 11	-58728	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1378	LU 18	1378	8821	68363	0	8821	1	Si
19	0	7.6	0	1179	LU 18	1179	8821	68363	0	8821	1	Si
20	0.061	7.6	0	1171	LU 18	1171	8821	68363	7073	8821	1	Si
38	0.061	7.6	0	980	LU 18	980	8821	68363	7073	8821	1	Si
57	0.061	7.6	0	781	LU 18	781	8821	68363	7073	8821	1	Si
77	0.061	7.6	0	582	LU 18	582	8821	68363	7073	8821	1	Si
86	0.061	7.6	0	482	LU 18	482	8821	68363	7073	8821	1	Si
105	0.061	7.6	0	283	LU 18	283	8821	68363	7073	8821	1	Si
125	0.061	7.6	0	84	LU 18	84	8821	68363	7073	8821	1	Si
144	0.061	7.6	0	-160	LU 10	-160	-8821	-68363	-7073	-8821	1	Si
163	0.061	7.6	0	-335	LU 10	-335	-8821	-68363	-7073	-8821	1	Si
182	0.061	7.6	0	-533	LU 15	-533	-8821	-68363	-7073	-8821	1	Si
201	0.061	7.6	0	-733	LU 15	-733	-8821	-68363	-7073	-8821	1	Si
220	0.061	7.6	0	-932	LU 15	-932	-8821	-68363	-7073	-8821	1	Si
230	0.061	7.6	0	-1031	LU 15	-1031	-8821	-68363	-7073	-8821	1	Si
249	0.061	7.6	0	-1230	LU 15	-1230	-8821	-68363	-7073	-8821	1	Si
267	0.061	7.6	0	-1421	LU 15	-1421	-8821	-68363	-7073	-8821	1	Si
268	0	7.6	0	-1429	LU 15	-1429	-8821	-68363	0	-8821	1	Si
287	0	7.6	0	-1629	LU 15	-1629	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-25283	9	-14945	0.4	124.5	5.8	1837	-16770	2	-7944	0.4	93.4	0	+∞	Si
19	1305	4	1295	0	124.5	0.5	1837	1161	1	1151	0.1	93.4	0	+∞	Si
19	-6929	7	-6929	0.2	124.5	2.7	1837	-1091	2	-1091	0	93.4	0	+∞	Si
20	1915	4	21190	0.6	124.5	8.3	1837	1757	1	20388	0.9	93.4	0	+∞	Si
20	-6229	7	-6229	0.2	124.5	1.8	1837	-493	2	-493	0	93.4	0	+∞	Si
38	14692	4	31738	0.8	124.5	11.8	1837	14227	1	29125	1.3	93.4	0	+∞	Si
57	26395	8	39914	1	124.5	15.6	1837	24721	1	35719	1.6	93.4	0	+∞	Si
77	36062	8	45202	1.2	124.5	17.7	1837	32643	1	39741	1.8	93.4	0	+∞	Si
86	39813	8	46763	1.2	124.5	18.3	1837	35640	1	40788	1.8	93.4	0	+∞	Si
105	45149	8	47740	1.2	124.5	18.7	1837	39706	1	41199	1.8	93.4	0	+∞	Si
125	47598	8	47740	1.2	124.5	18.7	1837	41199	1	41199	1.8	93.4	0	+∞	Si
144	47160	8	47740	1.2	124.5	18.7	1837	40121	1	41199	1.8	93.4	0	+∞	Si
163	43834	8	47740	1.2	124.5	18.7	1837	36472	1	40989	1.8	93.4	0	+∞	Si
182	37622	8	45901	1.2	124.5	17.9	1837	30251	1	38668	1.7	93.4	0	+∞	Si
201	28522	8	41181	1.1	124.5	16.1	1837	21459	1	33776	1.5	93.4	0	+∞	Si
220	16536	8	33573	0.9	124.5	13.1	1837	10095	1	26313	1.2	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
230	9460	8	28686	0.7	124.5	11.2	1837	3449	1	21616	1	93.4	0	+∞	Si
230	-2540	2	-26435	0.7	124.5	10.3	1837								Si
249	-17624	2	-34483	0.9	124.5	13.5	1837	-13528	2	-30479	1.4	93.4	0	+∞	Si
267	-34483	2	-34483	0.9	124.5	13.5	1837	-30479	2	-30479	1.4	93.4	0	+∞	Si
268	-35278	2	-35278	0.9	124.5	13.8	1837	-31279	2	-31279	1.4	93.4	0	+∞	Si
287	-55504	2	-44306	1.2	124.5	17.3	1837	-51602	2	-40353	1.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
38	0.001	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
57	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	1	0.001	1	9999	Si
77	0.001	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
86	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
105	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
125	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
134	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
144	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
163	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
182	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
201	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	1	0.001	1	9999	Si
220	0.001	0	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
230	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	1	0.001	1	9999	Si
249	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
267	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
268	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Campata 4 tra i fili 6 - 7, sezione R 40x70, asta 1226

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	59121	LU 13	59121	962923	0.078						Si
18	7.6	5.4	7.6	5.4	66059	LU 13	66042	962923	0.078						Si
20	7.6	5.4	7.6	5.4	66584	LU 13	72414	962923	0.078						Si
36	7.6	5.4	7.6	5.4	70049	LU 13	73309	962923	0.078						Si
54	7.6	5.4	7.6	5.4	73028	LU 17	73309	962923	0.078						Si
63	7.6	5.4	7.6	5.4	73309	LU 17	73309	962923	0.078						Si
81	7.6	5.4	7.6	5.4	71345	LU 17	73309	962923	0.078						Si
99	7.6	5.4	7.6	5.4	66017	LU 17	72877	962923	0.078						Si
117	7.6	5.4	7.6	5.4	57322	LU 17	69618	962923	0.078						Si
135	7.6	5.4	7.6	5.4	45262	LU 17	62993	962923	0.078	16576	LU 2	-3464	-962923	0.078	Si
153	7.6	5.4	7.6	5.4	29837	LU 17	53003	962923	0.078	4896	LU 2	-20511	-962923	0.078	Si
171	7.6	5.4	7.6	5.4	11046	LU 17	39647	962923	0.078	-9052	LU 2	-43338	-962923	0.078	Si
189	7.6	5.4	7.6	5.4	-7492	LU 8	22926	962923	0.078	-28885	LU 11	-69113	-962923	0.078	Si
198	7.6	5.4	7.6	5.4	-17178	LU 8	13304	962923	0.078	-40498	LU 11	-83107	-962923	0.078	Si
207	11.15	5.4	7.6	5.4	-27535	LU 8	3442	963356	0.079	-52847	LU 11	-97903	-1384634	0.086	Si
216	12	5.4	7.6	5.4						-65934	LU 11	-113440	-1485363	0.088	Si
234	13.7	5.4	7.6	5.4						-94368	LU 12	-122262	-1686702	0.092	Si
250	15.21	5.4	7.6	5.4						-122262	LU 12	-122262	-1865528	0.096	Si
252	15.21	5.4	7.6	5.4						-125841	LU 12	-125705	-1865528	0.096	Si
270	15.21	5.4	7.6	5.4						-162405	LU 18	-140734	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	647	LU 15	647	8821	68363	0	8821	1	Si
18	0	7.6	0	460	LU 15	460	8821	68363	0	8821	1	Si
20	0.061	7.6	0	439	LU 15	439	8821	68363	7104	8821	1	Si
36	0.061	7.6	0	273	LU 15	273	8821	68363	7104	8821	1	Si
54	0.061	7.6	0	88	LU 6	88	8821	68363	7104	8821	1	Si
54	0.061	7.6	0	-33	LU 14	-33	-8821	-68363	-7104	-8821	1	Si
63	0.061	7.6	0	13	LU 6	13	8821	68363	7104	8821	1	Si
63	0.061	7.6	0	-115	LU 14	-115	-8821	-68363	-7104	-8821	1	Si
81	0.061	7.6	0	-278	LU 14	-278	-8821	-68363	-7104	-8821	1	Si
99	0.061	7.6	0	-442	LU 14	-442	-8821	-68363	-7104	-8821	1	Si
117	0.061	7.6	0	-606	LU 14	-606	-8821	-68363	-7104	-8821	1	Si
135	0.061	7.6	0	-772	LU 18	-772	-8821	-68363	-7104	-8821	1	Si
153	0.061	7.6	0	-959	LU 18	-959	-8821	-68363	-7104	-8821	1	Si
171	0.061	7.6	0	-1146	LU 18	-1146	-8821	-68363	-7104	-8821	1	Si
189	0.061	7.6	0	-1333	LU 18	-1333	-8821	-68363	-7104	-8821	1	Si
207	0.061	7.6	0	-1520	LU 18	-1520	-8821	-68363	-7104	-8821	1	Si
216	0.061	7.6	0	-1613	LU 18	-1613	-8821	-68363	-7104	-8821	1	Si
234	0.061	7.6	0	-1800	LU 18	-1800	-8821	-68363	-7104	-8821	1	Si
250	0.061	7.6	0	-1967	LU 18	-1967	-8821	-68363	-7104	-8821	1	Si
252	0	7.6	0	-1987	LU 18	-1987	-8821	-68363	0	-8821	1	Si
261	0	7.6	0	-2081	LU 18	-2081	-8821	-68363	0	-8821	1	Si
270	0	11.15	0	-2174	LU 18	-2174	-10022	-68363	0	-10022	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	45114	4	45114	1.2	124.5	17.6	1837	42751	1	42751	1.9	93.4	0	+∞	Si
18	50480	4	50467	1.3	124.5	19.7	1837	48304	1	48292	2.2	93.4	0	+∞	Si
20	50887	4	55273	1.4	124.5	21.6	1837	48732	1	52482	1.8	93.4	0	+∞	Si
36	53578	4	55841	1.5	124.5	21.8	1837	51588	1	52605	1.8	93.4	0	+∞	Si
54	55700	8	55841	1.5	124.5	21.8	1837	52605	1	52605	1.8	93.4	0	+∞	Si
63	55841	8	55841	1.5	124.5	21.8	1837	52263	1	52605	1.8	93.4	0	+∞	Si
81	54214	8	55841	1.5	124.5	21.8	1837	49878	1	52605	1.8	93.4	0	+∞	Si
99	50041	8	55460	1.4	124.5	21.7	1837	45225	1	51563	2.3	93.4	0	+∞	Si
117	43322	8	52853	1.4	124.5	20.7	1837	38304	1	48305	2.2	93.4	0	+∞	Si
135	34057	8	47699	1.2	124.5	18.6	1837	29115	1	42779	1.9	93.4	0	+∞	Si
153	22246	8	40000	1	124.5	15.6	1837	17658	1	34984	1.6	93.4	0	+∞	Si
171	7888	8	29755	0.8	124.5	11.6	1837	3933	1	24922	1.1	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
171	-4724	2	-31968	0.8	124.5	12.5	1837								Si
189	-20865	2	-51773	1.3	124.5	20.2	1837	-14702	2	-45442	2	93.4	0	+∞	Si
207	-39274	2	-73889	2.9	124.5	112.8	1837	-33007	2	-67410	2.6	93.4	0	+∞	Si
216	-49330	2	-85822	3.3	124.5	122.1	1837	-43011	2	-79245	3	93.4	0	+∞	Si
234	-71174	3	-92598	3.4	124.5	116	1837	-64718	2	-85967	3.1	93.4	0	+∞	Si
250	-92598	3	-92598	3.2	124.5	104.9	1837	-85967	2	-85967	3	93.4	0	+∞	Si
252	-95347	3	-95243	3.3	124.5	107.9	1837	-88694	2	-88591	3.1	93.4	0	+∞	Si
270	-123216	9	-106751	3.7	124.5	121	1837	-114938	2	-99777	3.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
36	0.001	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
54	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
63	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	1	0.001	1	9999	Si
81	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	1	0.001	1	9999	Si
90	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	1	0.001	1	9999	Si
99	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	1	0.001	1	9999	Si
117	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	1	0.001	1	9999	Si
135	0.001	0	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
153	0.001	0	0	0	0.001	0	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
171	0.001	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
189	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
207	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
216	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
234	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
250	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
252	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Campata 5 tra i fili 7 - 8, sezione R 40x70, asta 1227

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	13282	LU 10	6264	963633	0.08	-14831	LU 3	-14831	-1865528	0.096	Si
19	15.21	5.4	7.6	5.4						-25664	LU 12	-25664	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-26377	LU 12	-54068	-1865528	0.096	Si
38	13.48	5.4	7.6	5.4						-42905	LU 12	-75448	-1660621	0.091	Si
57	11.67	5.4	7.6	5.4						-63489	LU 12	-101103	-1446201	0.087	Si
67	10.77	5.4	7.6	5.4	-41575	LU 1	671	963321	0.079	-75035	LU 12	-115184	-1338914	0.085	Si
86	7.6	5.4	7.6	5.4	-62159	LU 1	20697	962923	0.078	-100634	LU 12	-145853	-962923	0.078	Si
105	7.6	5.4	7.6	5.4	-85314	LU 1	35001	962923	0.078	-129575	LU 12	-179865	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	-111040	LU 1	43582	962923	0.078	-161860	LU 12	-217220	-962923	0.078	Si
144	7.6	5.4	7.6	5.4	-139339	LU 1	46440	962923	0.078	-197488	LU 12	-259268	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	-170208	LU 1	43575	962923	0.078	-236621	LU 18	-305964	-962923	0.078	Si
182	7.6	5.4	7.6	5.4	-203650	LU 1	34987	962923	0.078	-281345	LU 18	-356475	-962923	0.078	Si
192	7.6	5.4	7.6	5.4	-221334	LU 1	28547	962923	0.078	-305138	LU 18	-383161	-962923	0.078	Si
201	11.06	5.4	7.6	5.4	-239662	LU 1	20676	963348	0.079	-329884	LU 18	-410801	-1373839	0.086	Si
211	11.96	5.4	7.6	5.4	-258633	LU 1	11374	963424	0.08	-355585	LU 18	-439394	-1481103	0.088	Si
230	13.77	5.4	5.05	5.4						-409847	LU 18	-499443	-1695877	0.095	Si
249	15.21	5.4	5.13	5.4						-467924	LU 18	-527084	-1865868	0.1	Si
267	15.21	5.4	7.6	5.4						-527084	LU 18	-527084	-1865528	0.096	Si
268	15.21	5.4	7.6	5.4						-529817	LU 18	-529793	-1865528	0.096	Si
287	15.21	5.4	7.6	5.4						-595571	LU 18	-560285	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-716	LU 13	-716	-8821	-68363	0	-8821	1	Si
19	0	7.6	0	-891	LU 13	-891	-8821	-68363	0	-8821	1	Si
20	0.072	7.6	0	-898	LU 13	-898	-8821	-68363	-8336	-8821	1	Si
38	0.072	7.6	0	-1065	LU 13	-1065	-8821	-68363	-8336	-8821	1	Si
57	0.072	7.6	0	-1239	LU 13	-1239	-8821	-68363	-8336	-8821	1	Si
67	0.072	7.6	0	-1327	LU 13	-1327	-8821	-68363	-8336	-8821	1	Si
86	0.072	7.6	0	-1501	LU 13	-1501	-8821	-68363	-8336	-8821	1	Si
105	0.084	7.6	0	-1685	LU 17	-1685	-8821	-68363	-9771	-9771	1	Si
125	0.084	7.6	0	-1884	LU 17	-1884	-8821	-68363	-9771	-9771	1	Si
144	0.084	7.6	0	-2083	LU 17	-2083	-8821	-68363	-9771	-9771	1	Si
163	0.084	7.6	0	-2282	LU 17	-2282	-8821	-68363	-9771	-9771	1	Si
182	0.084	7.6	0	-2482	LU 17	-2482	-8821	-68363	-9771	-9771	1	Si
201	0.086	7.6	0	-2681	LU 17	-2681	-8821	-68363	-10004	-10004	1	Si
211	0.086	7.6	0	-2780	LU 17	-2780	-8821	-68363	-10004	-10004	1	Si
230	0.086	7.6	0	-2979	LU 17	-2979	-8821	-68363	-10004	-10004	1	Si
249	0.086	7.6	0	-3178	LU 17	-3178	-8821	-68363	-10004	-10004	1	Si
267	0.086	11.06	0	-3369	LU 17	-3369	-9995	-68363	-10004	-10004	1	Si
268	0	11.06	0	-3377	LU 17	-3377	-9995	-68363	0	-9995	1	Si
287	0	12.87	0	-3618	LU 17	-3618	-10512	-68363	0	-10512	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	10217	1	4818	0.1	124.5	1.8	1837	10217	1	4818	0.2	93.4	0	+∞	Si
0	-6482	3	-6482	0.2	124.5	7.3	1837								Si
19	-17291	3	-17291	0.6	124.5	19.6	1837	-5858	2	-5858	0.2	93.4	0	+∞	Si
20	-17845	3	-39327	1.4	124.5	44.6	1837	-6434	2	-28685	1	93.4	0	+∞	Si
38	-30673	3	-55887	2	124.5	71.1	1837	-19747	2	-45730	1.7	93.4	0	+∞	Si
57	-46626	3	-75740	2.9	124.5	110.7	1837	-36207	2	-66091	2.5	93.4	0	+∞	Si
67	-55567	3	-86631	3.4	124.5	136.8	1837	-45402	2	-77235	3	93.4	0	+∞	Si
86	-75377	3	-110341	2.9	124.5	43.1	1837	-65719	2	-101453	4.6	93.4	0	+∞	Si
105	-97759	3	-136623	3.6	124.5	53.4	1837	-88608	2	-128243	5.8	93.4	0	+∞	Si
125	-122712	3	-165477	4.3	124.5	64.7	1837	-114069	2	-157603	7.1	93.4	0	+∞	Si
144	-150237	3	-197802	5.2	124.5	77.3	1837	-142101	2	-189536	8.5	93.4	0	+∞	Si
163	-180441	9	-233569	6.1	124.5	91.3	1837	-172705	2	-224040	10	93.4	0	+∞	Si
182	-214716	9	-272222	7.1	124.5	106.4	1837	-205880	2	-261115	11.7	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
201	-251878	9	-313761	12.3	124.5	482.8	1837	-241627	2	-300762	11.7	93.4	0	+∞	Si
211	-271541	9	-335612	12.7	124.5	478.8	1837	-260465	2	-321550	12.2	93.4	0	+∞	Si
230	-313032	9	-381481	14.4	124.5	477.1	1837	-300069	2	-365054	13.7	93.4	0	+∞	Si
249	-357409	9	-402586	14.6	124.5	458	1837	-342244	2	-385018	14	93.4	0	+∞	Si
267	-402586	9	-402586	14.1	124.5	456.3	1837	-385018	2	-385018	13.5	93.4	0	+∞	Si
268	-404672	9	-404654	14.2	124.5	458.6	1837	-386992	2	-386973	13.5	93.4	0	+∞	Si
287	-454857	9	-427933	15	124.5	485	1837	-434342	2	-408977	14.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
38	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.004	1	-0.004	1	9999	Si
57	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
67	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
86	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si
105	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
125	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si
144	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.011	1	-0.011	1	9999	Si
163	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.012	1	9999	Si
172	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.012	1	9999	Si
182	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.012	1	9999	Si
201	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.004	-0.005	-0.011	1	-0.011	1	9999	Si
211	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.011	1	-0.011	1	9999	Si
230	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
249	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
267	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
268	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si

Campata 6 tra i fili 8 - 9, sezione R 40x70, asta 1228

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-694411	LU 18	-619340	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-549982	LU 18	-549982	-1865528	0.096	Si
41	15.21	5.4	7.6	5.4						-410634	LU 18	-549982	-1865528	0.096	Si
62	13.39	5.4	7.6	5.4						-286975	LU 18	-466140	-1650791	0.091	Si
82	11.46	5.4	7.6	5.4	-125914	LU 4	37743	963383	0.08	-179024	LU 11	-337400	-1421419	0.087	Si
92	7.6	5.4	7.6	5.4	-89656	LU 8	67394	962923	0.078	-130156	LU 11	-277588	-962923	0.078	Si
113	7.6	5.4	7.6	5.4	-20808	LU 8	113018	962923	0.078	-40451	LU 11	-171015	-962923	0.078	Si
133	7.6	5.4	7.6	5.4	50095	LU 18	144046	962923	0.078	24978	LU 1	-76833	-962923	0.078	Si
154	7.6	5.4	7.6	5.4	119038	LU 18	195738	962923	0.078						Si
174	7.6	5.4	7.6	5.4	175817	LU 18	235263	962923	0.078						Si
195	7.6	5.4	7.6	5.4	220428	LU 18	263769	962923	0.078						Si
215	7.6	5.4	7.6	5.4	252871	LU 18	283996	962923	0.078						Si
236	7.6	5.4	7.6	5.4	277073	LU 12	293174	962923	0.078						Si
246	7.6	5.4	7.6	5.4	285353	LU 12	293626	962923	0.078						Si
267	7.6	5.4	7.6	5.4	293626	LU 12	293626	962923	0.078						Si
288	7.6	5.4	7.6	5.4	290578	LU 12	293626	962923	0.078						Si
308	7.6	5.4	7.6	5.4	277420	LU 11	277420	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.39	0	7514	LU 18	7514	10653	68363	0	10653	1	Si
20	0.101	11.46	0	6936	LU 18	6936	10114	68363	11671	11671	1	Si
41	0.101	7.6	0	6329	LU 18	6329	8821	68363	11671	11671	1	Si
62	0.101	7.6	0	5736	LU 18	5736	8821	68363	11671	11671	1	Si
82	0.101	7.6	0	5143	LU 18	5143	8821	68363	11671	11671	1	Si
92	0.087	7.6	0	4846	LU 18	4846	8821	68363	10069	10069	1	Si
113	0.087	7.6	0	4253	LU 18	4253	8821	68363	10069	10069	1	Si
133	0.087	7.6	0	3660	LU 18	3660	8821	68363	10069	10069	1	Si
154	0.087	7.6	0	3097	LU 12	3097	8821	68363	10069	10069	1	Si
174	0.087	7.6	0	2559	LU 12	2559	8821	68363	10069	10069	1	Si
195	0.087	7.6	0	2025	LU 11	2025	8821	68363	10069	10069	1	Si
215	0.087	7.6	0	1502	LU 11	1502	8821	68363	10069	10069	1	Si
236	0.072	7.6	0	979	LU 11	979	8821	68363	8336	8821	1	Si
246	0.072	7.6	0	718	LU 11	718	8821	68363	8336	8821	1	Si
267	0.072	7.6	0	239	LU 2	239	8821	68363	8336	8821	1	Si
267	0.072	7.6	0	-469	LU 17	-469	-8821	-68363	-8336	-8821	1	Si
288	0.072	7.6	0	-1078	LU 17	-1078	-8821	-68363	-8336	-8821	1	Si
308	0	7.6	0	-1658	LU 17	-1658	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-526620	9	-469810	16.4	124.5	532.5	1837	-486680	2	-435186	15.2	93.4	0	+∞	Si
20	-417324	9	-417324	14.6	124.5	473	1837	-387561	2	-387561	13.6	93.4	0	+∞	Si
41	-311877	9	-417324	14.6	124.5	473	1837	-291821	2	-387561	13.6	93.4	0	+∞	Si
62	-218304	9	-353879	12.9	124.5	452.9	1837	-206739	2	-329970	12	93.4	0	+∞	Si
82	-136302	2	-256460	9.9	124.5	381.3	1837	-129892	2	-241447	9.3	93.4	0	+∞	Si
92	-99118	2	-211201	5.5	124.5	82.6	1837	-94557	2	-200273	9	93.4	0	+∞	Si
113	-30926	2	-130208	3.4	124.5	50.9	1837	-30063	2	-124100	5.6	93.4	0	+∞	Si
133	36727	9	107796	2.8	124.5	42.1	1837	26193	2	91701	4.1	93.4	0	+∞	Si
154	88880	9	146890	3.8	124.5	57.4	1837	74211	2	128034	5.7	93.4	0	+∞	Si
174	131825	9	176774	4.6	124.5	69.1	1837	113989	2	156124	7	93.4	0	+∞	Si
195	165560	9	198214	5.2	124.5	77.5	1837	145525	2	175971	7.9	93.4	0	+∞	Si
215	190082	9	213033	5.6	124.5	83.3	1837	168818	2	187574	8.4	93.4	0	+∞	Si
236	208013	3	219389	5.7	124.5	85.8	1837	183868	2	190931	8.6	93.4	0	+∞	Si
246	214018	3	219679	5.7	124.5	85.9	1837	188301	2	190982	8.6	93.4	0	+∞	Si
267	219679	3	219679	5.7	124.5	85.9	1837	190982	2	190982	8.6	93.4	0	+∞	Si
288	216651	3	219679	5.7	124.5	85.9	1837	185129	2	190982	8.6	93.4	0	+∞	Si
308	205869	2	205869	5.4	124.5	80.5	1837	171601	2	171601	7.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
41	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
62	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
82	0	0	0	-0.001	0	0	-0.001	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
92	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
113	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0	2	9999	Si
133	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
154	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
174	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
195	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
215	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
236	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.005	2	9999	Si
246	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
267	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
288	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Campata 7 tra i fili 9 - 9A, sezione R 40x70, asta 1229

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	221053	LU 11	221053	962923	0.078						Si
18	7.6	5.4	7.6	5.4	261132	LU 12	261132	962923	0.078						Si
20	7.6	5.4	7.6	5.4	265041	LU 12	312567	962923	0.078						Si
36	7.6	5.4	7.6	5.4	294178	LU 12	329358	962923	0.078						Si
54	7.6	5.4	7.6	5.4	318700	LU 12	340109	962923	0.078						Si
72	7.6	5.4	7.6	5.4	334695	LU 12	344172	962923	0.078						Si
81	7.6	5.4	7.6	5.4	339496	LU 12	344172	962923	0.078						Si
99	7.6	5.4	7.6	5.4	344172	LU 18	344172	962923	0.078						Si
117	7.6	5.4	7.6	5.4	341362	LU 18	344172	962923	0.078						Si
135	7.6	5.4	7.6	5.4	329152	LU 18	343995	962923	0.078						Si
153	7.6	5.4	7.6	5.4	307543	LU 18	337566	962923	0.078						Si
171	7.6	5.4	7.6	5.4	276531	LU 18	321738	962923	0.078						Si
189	7.6	5.4	7.6	5.4	236117	LU 18	296508	962923	0.078						Si
207	11.15	5.4	7.6	5.4	186299	LU 18	261877	963356	0.079						Si
216	12	5.4	7.6	5.4	157863	LU 18	241035	963427	0.08						Si
234	13.7	5.4	7.6	5.4	94780	LU 12	192298	963546	0.08						Si
250	15.21	5.4	7.6	5.4	33387	LU 12	140998	963633	0.08						Si
252	15.21	5.4	7.6	5.4	25453	LU 11	25453	963633	0.08						Si
270	15.21	5.4	7.6	5.4						-63234	LU 17	-16407	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3131	LU 17	3131	8821	68363	0	8821	1	Si
18	0	7.6	0	2609	LU 17	2609	8821	68363	0	8821	1	Si
20	0.063	7.6	0	2551	LU 17	2551	8821	68363	7294	8821	1	Si
36	0.063	7.6	0	2087	LU 17	2087	8821	68363	7294	8821	1	Si
54	0.063	7.6	0	1566	LU 17	1566	8821	68363	7294	8821	1	Si
72	0.063	7.6	0	1044	LU 17	1044	8821	68363	7294	8821	1	Si
81	0.063	7.6	0	783	LU 17	783	8821	68363	7294	8821	1	Si
99	0.063	7.6	0	261	LU 17	261	8821	68363	7294	8821	1	Si
99	0.063	7.6	0	-117	LU 2	-117	-8821	-68363	-7294	-8821	1	Si
117	0.063	7.6	0	-546	LU 11	-546	-8821	-68363	-7294	-8821	1	Si
135	0.063	7.6	0	-1007	LU 12	-1007	-8821	-68363	-7294	-8821	1	Si
153	0.063	7.6	0	-1481	LU 12	-1481	-8821	-68363	-7294	-8821	1	Si
171	0.063	7.6	0	-1984	LU 18	-1984	-8821	-68363	-7294	-8821	1	Si
189	0.086	7.6	0	-2506	LU 18	-2506	-8821	-68363	-10004	-10004	1	Si
207	0.086	7.6	0	-3029	LU 18	-3029	-8821	-68363	-10004	-10004	1	Si
216	0.086	7.6	0	-3290	LU 18	-3290	-8821	-68363	-10004	-10004	1	Si
234	0.086	7.6	0	-3813	LU 18	-3813	-8821	-68363	-10004	-10004	1	Si
250	0.086	7.6	0	-4277	LU 18	-4277	-8821	-68363	-10004	-10004	1	Si
252	0	7.6	0	-4335	LU 18	-4335	-8821	-68363	0	-8821	1	Si
261	0	7.6	0	-4597	LU 18	-4597	-8821	-68363	0	-8821	1	Si
270	0	11.15	0	-4859	LU 18	-4859	-10022	-68363	0	-10022	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	163726	2	163726	4.3	124.5	64	1837	134990	2	134990	6.1	93.4	0	+∞	Si
18	194938	3	194938	5.1	124.5	76.2	1837	167893	2	167893	7.5	93.4	0	+∞	Si
20	197973	3	234963	6.1	124.5	91.8	1837	171019	2	209522	9.4	93.4	0	+∞	Si
36	220615	3	248145	6.5	124.5	97	1837	194434	2	223722	10	93.4	0	+∞	Si
54	239760	3	256740	6.7	124.5	100.4	1837	214613	2	233624	10.5	93.4	0	+∞	Si
72	252372	3	260022	6.8	124.5	101.6	1837	228429	2	237220	10.6	93.4	0	+∞	Si
81	256229	3	260022	6.8	124.5	101.6	1837	232950	2	237220	10.6	93.4	0	+∞	Si
99	260022	9	260022	6.8	124.5	101.6	1837	237220	2	237220	10.6	93.4	0	+∞	Si
117	257976	9	260022	6.8	124.5	101.6	1837	235124	2	237220	10.6	93.4	0	+∞	Si
135	248815	9	259919	6.8	124.5	101.6	1837	226662	2	237025	10.6	93.4	0	+∞	Si
153	232538	9	255134	6.6	124.5	99.7	1837	211832	2	232479	10.4	93.4	0	+∞	Si
171	209144	9	243233	6.3	124.5	95.1	1837	190635	2	221565	9.9	93.4	0	+∞	Si
189	178632	9	224216	5.8	124.5	87.6	1837	163068	2	204284	9.2	93.4	0	+∞	Si
207	141002	9	198082	4.9	124.5	76	1837	129132	2	180635	7.7	93.4	0	+∞	Si
216	119517	9	182346	4.5	124.5	69.6	1837	109775	2	166421	7	93.4	0	+∞	Si
234	71769	3	145534	3.5	124.5	55.1	1837	66282	2	133218	5.5	93.4	0	+∞	Si
250	25049	3	106773	2.5	124.5	40.1	1837	22135	2	98299	3.9	93.4	0	+∞	Si
252	19010	2	19010	0.4	124.5	7.1	1837	16417	2	16417	0.7	93.4	0	+∞	Si
270	-47507	8	-11965	0.4	124.5	13.6	1837	-40134	1	-7700	0.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara	Frequente	Quasi permanente	Verifica

	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
18	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
20	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
36	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
54	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
72	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
81	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
99	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.012	2	0.012	2	9999	Si
117	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.013	2	9999	Si
126	0.007	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.013	2	9999	Si
135	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.013	2	9999	Si
153	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.012	2	0.012	2	9999	Si
171	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
189	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.01	2	9999	Si
207	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
216	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
234	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
250	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
252	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Campata 8 tra i fili 9A - 10, sezione R 40x70, asta 1230

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	145224	LU 12	142630	963633	0.08						Si
6	15.21	5.4	7.6	5.4	142993	LU 12	141800	963633	0.08						Si
13	15.21	5.4	7.6	5.4	139646	LU 12	139312	963633	0.08						Si
19	15.21	5.4	7.6	5.4	135186	LU 12	135166	963633	0.08						Si
20	15.21	5.4	7.6	5.4	134778	LU 12	134778	963633	0.08						Si
26	15.21	5.4	7.6	5.4	129611	LU 12	134778	963633	0.08						Si
29	15.21	5.4	7.6	5.4	126406	LU 12	134778	963633	0.08						Si
36	15.21	5.4	9.38	5.4	119160	LU 12	134778	1173957	0.083						Si
42	15.21	5.4	9.81	5.4	113150	LU 13	134778	1225850	0.083						Si
49	15.21	5.4	10.25	5.4	108250	LU 10	134778	1277731	0.084						Si
55	15.21	5.4	10.69	5.4	102524	LU 10	129433	1329619	0.084						Si
62	15.21	5.4	11.13	5.4	95716	LU 10	122714	1381489	0.085						Si
68	15.21	5.4	11.4	5.4	87827	LU 10	115131	1414287	0.085						Si
75	15.21	5.4	11.4	5.4	78858	LU 10	110618	1414287	0.085						Si
77	15.21	5.4	11.4	5.4	74720	LU 10	108492	1414287	0.085						Si
78	15.21	5.4	11.4	5.4	73967	LU 10	73963	1414287	0.085						Si
84	15.21	5.4	11.4	5.4	63376	LU 10	63376	1414287	0.085						Si
91	15.21	5.4	11.4	5.4	51703	LU 10	51703	1414287	0.085	-127	LU 9	-127	-1865107	0.093	Si
97	15.21	5.4	11.4	5.4	38984	LU 10	38984	1414287	0.085	-15085	LU 9	-11271	-1865107	0.093	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	478	LU 17	478	8821	68363	0	8821	1	Si
0	0	7.6	0	-366	LU 2	-366	-8821	-68363	0	-8821	1	Si
6	0	7.6	0	290	LU 15	290	8821	68363	0	8821	1	Si
6	0	7.6	0	-494	LU 3	-494	-8821	-68363	0	-8821	1	Si
13	0	7.6	0	117	LU 10	117	8821	68363	0	8821	1	Si
13	0	7.6	0	-628	LU 3	-628	-8821	-68363	0	-8821	1	Si
19	0	7.6	0	-772	LU 12	-772	-8821	-68363	0	-8821	1	Si
20	0.07	7.6	0	-785	LU 12	-785	-8821	-68363	-8119	-8821	1	Si
26	0.07	7.6	0	-943	LU 12	-943	-8821	-68363	-8119	-8821	1	Si
29	0.07	7.6	0	-1029	LU 12	-1029	-8821	-68363	-8119	-8821	1	Si
36	0.07	7.6	0	-1200	LU 12	-1200	-8821	-68363	-8119	-8821	1	Si
42	0.07	7.6	0	-1372	LU 12	-1372	-8821	-68363	-8119	-8821	1	Si
49	0.07	7.6	0	-1543	LU 12	-1543	-8821	-68363	-8119	-8821	1	Si
55	0.07	7.6	0	-1715	LU 12	-1715	-8821	-68363	-8119	-8821	1	Si
62	0.07	7.6	0	-1886	LU 12	-1886	-8821	-68363	-8119	-8821	1	Si
68	0.07	7.6	0	-2058	LU 12	-2058	-8821	-68363	-8119	-8821	1	Si
75	0.07	7.6	0	-2229	LU 12	-2229	-8821	-68363	-8119	-8821	1	Si
77	0.07	7.6	0	-2302	LU 12	-2302	-8821	-68363	-8119	-8821	1	Si
78	0	7.6	0	-2315	LU 12	-2315	-8821	-68363	0	-8821	1	Si
84	0	7.6	0	-2486	LU 12	-2486	-8821	-68363	0	-8821	1	Si
91	0	7.6	0	-2664	LU 18	-2664	-8821	-68363	0	-8821	1	Si
94	0	7.6	0	-2759	LU 18	-2759	-8821	-68363	0	-8821	1	Si
97	0	15.21	0	-2815	LU 18	-2815	-11113	-68363	0	-11113	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	108790	3	107520	2.5	124.5	40.4	1837	95371	2	95371	3.8	93.4	0	+∞	Si
6	107547	3	106960	2.5	124.5	40.2	1837	96278	2	96278	3.9	93.4	0	+∞	Si
13	105449	3	105281	2.5	124.5	39.6	1837	96352	2	96352	3.9	93.4	0	+∞	Si
19	102497	3	102483	1.8	124.5	38.5	1837	95595	2	95583	3.8	93.4	0	+∞	Si
20	102221	3	102221	1.8	124.5	38.4	1837	95489	2	95489	3.8	93.4	0	+∞	Si
26	98692	3	102221	1.8	124.5	38.4	1837	94007	2	95489	3.8	93.4	0	+∞	Si
29	96470	3	102221	1.8	124.5	38.4	1837	92901	2	95489	3.8	93.4	0	+∞	Si
36	91384	3	102221	3.8	124.5	183.5	1837	90065	2	95489	3.5	93.4	0	+∞	Si
42	87012	4	102221	3.7	124.5	175.6	1837	86843	1	95489	3.5	93.4	0	+∞	Si
49	83269	1	102221	3.7	124.5	168.3	1837	83269	1	95489	3.4	93.4	0	+∞	Si
55	78864	1	98569	3.5	124.5	155.8	1837	78864	1	93945	3.3	93.4	0	+∞	Si
62	73628	1	93887	3.3	124.5	142.7	1837	73628	1	91503	3.2	93.4	0	+∞	Si
68	67560	1	88519	3.1	124.5	131.4	1837	67560	1	88236	3.1	93.4	0	+∞	Si
75	60660	1	85086	2.9	124.5	126.3	1837	60660	1	85055	2.9	93.4	0	+∞	Si
77	57477	1	83455	2.9	124.5	123.9	1837	57477	1	83455	2.9	93.4	0	+∞	Si
78	56898	1	56894	2	124.5	84.4	1837	56898	1	56894	2	93.4	0	+∞	Si
84	48751	1	48751	1.7	124.5	71.8	1837	48751	1	48751	1.7	93.4	0	+∞	Si
91	39772	1	39772	1.4	124.5	59	1837	39772	1	39772	1.4	93.4	0	+∞	Si
97	29988	1	29988	1	124.5	44.5	1837	29988	1	29988	1	93.4	0	+∞	Si
97	-61	9	-61	0	124.5	0.1	1837								Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara	Frequente	Quasi permanente	Verifica

	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
6	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
13	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
19	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
26	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
29	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
36	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
42	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
45	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
49	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
55	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
62	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
68	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
75	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
77	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
78	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
84	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
91	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Campata 9 tra i fili 10 - 11, sezione R 40x70, asta 1231

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	266036	LU 10	228334	1414287	0.085						Si
14	15.21	5.4	11.4	5.4	212399	LU 10	208981	1414287	0.085						Si
20	15.21	5.4	11.4	5.4	188839	LU 10	188839	1414287	0.085						Si
28	14.45	5.4	11.4	5.4	156979	LU 10	188839	1414311	0.085						Si
42	13.13	5.4	10.71	5.4	99775	LU 10	188839	1331631	0.084	53567	LU 9	-48903	-1619317	0.089	Si
56	11.81	5.4	9.76	5.4	40787	LU 10	161249	1219822	0.083	7789	LU 3	-112139	-1462847	0.087	Si
63	11.15	5.4	9.29	5.4	10624	LU 10	132938	1163893	0.082	-15685	LU 3	-144425	-1384559	0.085	Si
77	7.6	5.4	7.6	5.4	-39261	LU 1	74978	962923	0.078	-75441	LU 12	-210336	-962923	0.078	Si
91	7.6	5.4	7.6	5.4	-88066	LU 1	21884	962923	0.078	-139432	LU 12	-278031	-962923	0.078	Si
105	7.6	5.4	7.6	5.4	-138243	LU 1	23409	962923	0.078	-205207	LU 12	-348002	-962923	0.078	Si
112	7.6	5.4	7.6	5.4	-163846	LU 1	23028	962923	0.078	-238763	LU 12	-383879	-962923	0.078	Si
119	10.61	5.4	7.6	5.4	-189792	LU 1	21884	963306	0.079	-272765	LU 12	-420263	-1320669	0.085	Si
133	11.93	5.4	7.6	5.4	-242714	LU 1	17308	963421	0.08	-342530	LU 18	-494558	-1477366	0.088	Si
147	13.25	5.4	7.6	5.4	-297007	LU 1	9683	963517	0.08	-414636	LU 18	-570887	-1634013	0.091	Si
154	13.91	5.4	7.6	5.4	-324668	LU 1	4726	963559	0.08	-451451	LU 18	-609814	-1712256	0.093	Si
168	15.21	5.4	7.6	5.4						-526608	LU 18	-648850	-1865528	0.096	Si
182	15.21	5.4	7.6	5.4						-603798	LU 18	-648850	-1865528	0.096	Si
190	15.21	5.4	7.6	5.4						-648850	LU 18	-648850	-1865528	0.096	Si
196	15.21	5.4	7.6	5.4						-683021	LU 18	-677763	-1865528	0.096	Si
210	15.21	5.4	7.6	5.4						-764278	LU 18	-705542	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	9.29	0	-3811	LU 14	-3811	-9431	-68363	0	-9431	1	Si
14	0	7.6	0	-3939	LU 14	-3939	-8821	-68363	0	-8821	1	Si
20	0.142	7.6	0	-3993	LU 14	-3993	-8821	-68363	-16477	-16477	1	Si
28	0.142	7.6	0	-4066	LU 14	-4066	-8821	-68363	-16477	-16477	1	Si
42	0.142	7.6	0	-4193	LU 14	-4193	-8821	-68363	-16477	-16477	1	Si
56	0.142	7.6	0	-4321	LU 14	-4321	-8821	-68363	-16477	-16477	1	Si
63	0.142	11.27	0	-4384	LU 14	-4384	-10058	-68363	-16477	-16477	1	Si
77	0.142	12.59	0	-4512	LU 14	-4512	-10436	-68363	-16477	-16477	1	Si
91	0.142	13.91	0	-4642	LU 18	-4642	-10789	-68363	-16477	-16477	1	Si
105	0.142	13.13	0	-4787	LU 18	-4787	-10583	-68363	-16477	-16477	1	Si
119	0.142	11.81	0	-4933	LU 18	-4933	-10216	-68363	-16477	-16477	1	Si
133	0.142	7.6	0	-5078	LU 18	-5078	-8821	-68363	-16477	-16477	1	Si
147	0.142	7.6	0	-5223	LU 18	-5223	-8821	-68363	-16477	-16477	1	Si
154	0.142	7.6	0	-5296	LU 18	-5296	-8821	-68363	-16477	-16477	1	Si
168	0.142	7.6	0	-5441	LU 18	-5441	-8821	-68363	-16477	-16477	1	Si
182	0.142	10.61	0	-5586	LU 18	-5586	-9858	-68363	-16477	-16477	1	Si
190	0.142	11.27	0	-5669	LU 18	-5669	-10058	-68363	-16477	-16477	1	Si
196	0	11.93	0	-5731	LU 18	-5731	-10251	-68363	0	-10251	1	Si
210	0	13.25	0	-5877	LU 18	-5877	-10615	-68363	0	-10615	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	204643	1	175641	6.1	124.5	260.7	1837	204643	1	175641	6.1	93.4	0	+∞	Si
14	163384	1	160755	5.6	124.5	238.6	1837	163384	1	160755	5.6	93.4	0	+∞	Si
20	145261	1	145261	5	124.5	215.6	1837	145261	1	145261	5	93.4	0	+∞	Si
28	120753	1	145261	5.1	124.5	215.7	1837	120753	1	145261	5.1	93.4	0	+∞	Si
42	76750	1	145261	5.3	124.5	229.5	1837	76750	1	145261	5.3	93.4	0	+∞	Si
56	31375	1	124037	4.8	124.5	214.5	1837	31375	1	124037	4.8	93.4	0	+∞	Si
63	8172	1	102260	4	124.5	185.6	1837	8172	1	102260	4	93.4	0	+∞	Si
63	-7733	3	-108533	4.1	124.5	165.4	1837								Si
77	-55529	3	-159178	4.1	124.5	62.2	1837	-43795	2	-146844	6.6	93.4	0	+∞	Si
91	-104697	3	-211195	5.5	124.5	82.5	1837	-92674	2	-198572	8.9	93.4	0	+∞	Si
105	-155237	3	-264913	6.9	124.5	103.5	1837	-142925	2	-251671	11.3	93.4	0	+∞	Si
119	-207149	3	-320340	12.7	124.5	512.9	1837	-194548	2	-306143	12.1	93.4	0	+∞	Si
133	-260715	9	-377306	14.3	124.5	539.6	1837	-247542	2	-361986	13.8	93.4	0	+∞	Si
147	-316025	9	-435811	16	124.5	563.5	1837	-301909	2	-419202	15.4	93.4	0	+∞	Si
154	-344257	9	-465640	16.8	124.5	574.7	1837	-329607	2	-448324	16.2	93.4	0	+∞	Si
168	-401874	9	-495549	17.3	124.5	561.6	1837	-386032	2	-477492	16.7	93.4	0	+∞	Si
182	-461031	9	-495549	17.3	124.5	561.6	1837	-443828	2	-477492	16.7	93.4	0	+∞	Si
190	-495549	9	-495549	17.3	124.5	561.6	1837	-477492	2	-477492	16.7	93.4	0	+∞	Si
196	-521726	9	-517699	18.1	124.5	586.7	1837	-502997	2	-499082	17.5	93.4	0	+∞	Si
210	-583959	9	-538981	18.9	124.5	610.9	1837	-563538	2	-519825	18.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
14	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
20	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
28	0	0	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
42	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
56	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
63	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
77	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
91	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
105	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
119	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
133	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
140	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
147	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
154	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
168	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
182	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
190	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
196	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Campata 10 tra i fili 11 - 12, sezione R 40x70, asta 1232

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-669843	LU 18	-629739	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-591693	LU 18	-591693	-1865528	0.096	Si
41	15.21	5.4	7.6	5.4						-515264	LU 18	-591693	-1865528	0.096	Si
61	13.51	5.4	7.6	5.4						-444409	LU 18	-547090	-1664535	0.092	Si
81	11.59	5.4	7.6	5.4	-280852	LU 1	13260	963394	0.08	-380212	LU 12	-474392	-1437056	0.087	Si
92	10.63	5.4	7.6	5.4	-258770	LU 1	23716	963307	0.079	-349793	LU 12	-439652	-1323244	0.085	Si
102	7.6	5.4	7.6	5.4	-235892	LU 6	32563	962923	0.078	-320315	LU 12	-407160	-962923	0.078	Si
112	7.6	5.4	7.6	5.4	-213824	LU 6	39802	962923	0.078	-291777	LU 12	-375933	-962923	0.078	Si
132	7.6	5.4	7.6	5.4	-172254	LU 6	49453	962923	0.078	-237524	LU 12	-316301	-962923	0.078	Si
153	7.6	5.4	10.57	5.4	-133806	LU 8	52670	1314974	0.084	-187333	LU 11	-260431	-963301	0.079	Si
173	7.6	5.4	7.6	5.4	-98592	LU 8	49453	962923	0.078	-141091	LU 11	-208414	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	-65087	LU 9	39802	962923	0.078	-101057	LU 10	-160555	-962923	0.078	Si
214	7.6	5.4	7.6	5.4	-34661	LU 9	23716	962923	0.078	-65275	LU 10	-117644	-962923	0.078	Si
234	7.6	5.4	7.6	5.4	-7656	LU 9	26326	962923	0.078	-33256	LU 10	-80245	-962923	0.078	Si
244	7.6	5.4	7.6	5.4	4563	LU 9	38848	962923	0.078	-18657	LU 10	-62957	-962923	0.078	Si
264	7.6	5.4	7.6	5.4	28217	LU 18	52223	962923	0.078	5937	LU 1	-31202	-962923	0.078	Si
285	7.6	5.4	7.6	5.4	52223	LU 18	52223	962923	0.078	23582	LU 1	-2793	-962923	0.078	Si
305	7.6	5.4	7.6	5.4	71725	LU 12	62774	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.51	0	4012	LU 18	4012	10684	68363	0	10684	1	Si
20	0.101	11.59	0	3805	LU 18	3805	10153	68363	11671	11671	1	Si
41	0.101	7.6	0	3590	LU 18	3590	8821	68363	11671	11671	1	Si
61	0.101	7.6	0	3379	LU 18	3379	8821	68363	11671	11671	1	Si
81	0.101	7.6	0	3168	LU 18	3168	8821	68363	11671	11671	1	Si
92	0.088	7.6	0	3063	LU 18	3063	8821	68363	10270	10270	1	Si
112	0.088	7.6	0	2852	LU 18	2852	8821	68363	10270	10270	1	Si
132	0.088	7.6	0	2641	LU 18	2641	8821	68363	10270	10270	1	Si
153	0.088	7.6	0	2430	LU 18	2430	8821	68363	10270	10270	1	Si
173	0.088	7.6	0	2219	LU 18	2219	8821	68363	10270	10270	1	Si
193	0.088	7.6	0	2021	LU 12	2021	8821	68363	10270	10270	1	Si
214	0.088	7.6	0	1836	LU 12	1836	8821	68363	10270	10270	1	Si
234	0.086	7.6	0	1651	LU 12	1651	8821	68363	10004	10004	1	Si
244	0.086	7.6	0	1558	LU 12	1558	8821	68363	10004	10004	1	Si
264	0.086	7.6	0	1373	LU 12	1373	8821	68363	10004	10004	1	Si
285	0.086	7.6	0	1185	LU 12	1185	8821	68363	10004	10004	1	Si
305	0	7.6	0	1003	LU 12	1003	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-511037	9	-480600	16.8	124.5	544.7	1837	-488650	2	-460603	16.1	93.4	0	+∞	Si
20	-451720	9	-451720	15.8	124.5	512	1837	-433944	2	-433944	15.2	93.4	0	+∞	Si
41	-393698	9	-451720	15.8	124.5	512	1837	-380333	2	-433944	15.2	93.4	0	+∞	Si
61	-339897	9	-417861	15.2	124.5	530.4	1837	-330515	2	-402671	14.7	93.4	0	+∞	Si
81	-290921	3	-362666	13.9	124.5	533.3	1837	-283592	2	-351610	13.5	93.4	0	+∞	Si
92	-267698	3	-336285	13.3	124.5	537.4	1837	-261216	2	-327165	13	93.4	0	+∞	Si
112	-223422	3	-287655	7.5	124.5	111.8	1837	-218634	2	-280445	12.6	93.4	0	+∞	Si
132	-182039	3	-242135	6.3	124.5	94.6	1837	-178946	2	-236619	10.6	93.4	0	+∞	Si
153	-143751	2	-199509	5	124.5	76.7	1837	-142152	2	-195688	8.4	93.4	0	+∞	Si
173	-108481	2	-159838	4.2	124.5	62.5	1837	-108252	2	-157651	7.1	93.4	0	+∞	Si
193	-77736	1	-123324	3.2	124.5	48.2	1837	-77736	1	-122507	5.5	93.4	0	+∞	Si
214	-50212	1	-90495	1.8	124.5	35.4	1837	-50212	1	-90495	4.1	93.4	0	+∞	Si
234	-25581	1	-61727	1.6	124.5	24.1	1837	-25581	1	-61727	2.8	93.4	0	+∞	Si
244	-14352	1	-48429	1.3	124.5	18.9	1837	-14352	1	-48429	2.2	93.4	0	+∞	Si
264	19603	9	37959	1	124.5	14.8	1837	8482	2	26723	1.2	93.4	0	+∞	Si
285	37959	9	37959	1	124.5	14.8	1837	26723	2	26723	1.2	93.4	0	+∞	Si
305	52861	3	46036	1.2	124.5	18	1837	41552	2	34832	1.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
41	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
61	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
81	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.013	1	-0.013	1	9999	Si
92	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.013	1	-0.013	1	9999	Si
112	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.014	1	-0.014	1	9999	Si
132	-0.005	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
153	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.013	1	-0.013	1	9999	Si
173	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.012	1	9999	Si
193	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
214	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si
234	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
244	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	2	-0.006	2	9999	Si
264	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.004	2	-0.004	2	9999	Si
285	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si

Campata 11 tra i fili 12 - 13, sezione R 40x70, asta 1233

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-95947	LU 10	-80512	-962923	0.078	Si
17	7.6	5.4	7.6	5.4						-70664	LU 10	-70427	-962923	0.078	Si
20	7.6	5.4	7.6	5.4						-66824	LU 10	-66824	-962923	0.078	Si
34	7.6	5.4	7.6	5.4	-21302	LU 3	1776	962923	0.078	-48064	LU 10	-66824	-962923	0.078	Si
51	7.6	5.4	7.6	5.4	-7016	LU 9	12890	962923	0.078	-28144	LU 10	-63529	-962923	0.078	Si
69	7.6	5.4	7.6	5.4	5515	LU 7	24826	962923	0.078	-12000	LU 13	-41751	-962923	0.078	Si
77	7.6	5.4	7.6	5.4	11003	LU 7	29920	962923	0.078	-5209	LU 13	-31867	-962923	0.078	Si
94	7.6	5.4	7.6	5.4	22755	LU 11	38097	962923	0.078	4074	LU 4	-14887	-962923	0.078	Si
112	7.6	5.4	7.6	5.4	32792	LU 11	43592	962923	0.078	10533	LU 4	-1677	-962923	0.078	Si
129	7.6	5.4	7.6	5.4	40146	LU 11	46405	962923	0.078						Si
146	7.6	5.4	7.6	5.4	44819	LU 11	46810	962923	0.078						Si
163	7.6	5.4	7.6	5.4	46810	LU 11	46810	962923	0.078						Si
180	7.6	5.4	7.6	5.4	46120	LU 11	46810	962923	0.078						Si
197	11.43	5.4	7.6	5.4	42747	LU 11	46804	963379	0.08	10216	LU 8	-5507	-1417280	0.086	Si
206	12.24	5.4	7.6	5.4	40056	LU 11	46383	963446	0.08	6322	LU 8	-11466	-1513348	0.088	Si
223	13.85	5.4	7.6	5.4	32661	LU 11	43529	963557	0.08	-3294	LU 8	-13259	-1705366	0.092	Si
237	15.21	5.4	7.6	5.4	24358	LU 11	39104	963633	0.08	-13259	LU 8	-13259	-1865528	0.096	Si
240	15.21	5.4	7.6	5.4	22584	LU 11	22584	963633	0.08	-15349	LU 8	-15233	-1865528	0.096	Si
257	15.21	5.4	7.6	5.4	9826	LU 11	9826	963633	0.08	-29843	LU 8	-20757	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1621	LU 15	1621	8821	68363	0	8821	1	Si
17	0	7.6	0	1443	LU 15	1443	8821	68363	0	8821	1	Si
20	0.06	7.6	0	1414	LU 15	1414	8821	68363	6976	8821	1	Si
34	0.06	7.6	0	1265	LU 15	1265	8821	68363	6976	8821	1	Si
51	0.06	7.6	0	1087	LU 15	1087	8821	68363	6976	8821	1	Si
69	0.06	7.6	0	926	LU 10	926	8821	68363	6976	8821	1	Si
77	0.06	7.6	0	848	LU 10	848	8821	68363	6976	8821	1	Si
94	0.06	7.6	0	692	LU 10	692	8821	68363	6976	8821	1	Si
112	0.06	7.6	0	535	LU 10	535	8821	68363	6976	8821	1	Si
129	0.06	7.6	0	379	LU 10	379	8821	68363	6976	8821	1	Si
146	0.06	7.6	0	223	LU 10	223	8821	68363	6976	8821	1	Si
146	0.06	7.6	0	-12	LU 9	-12	-8821	-68363	-6976	-8821	1	Si
163	0.06	7.6	0	67	LU 10	67	8821	68363	6976	8821	1	Si
163	0.06	7.6	0	-154	LU 9	-154	-8821	-68363	-6976	-8821	1	Si
180	0.06	7.6	0	-317	LU 18	-317	-8821	-68363	-6976	-8821	1	Si
197	0.06	7.6	0	-495	LU 18	-495	-8821	-68363	-6976	-8821	1	Si
206	0.06	7.6	0	-584	LU 18	-584	-8821	-68363	-6976	-8821	1	Si
223	0.06	7.6	0	-762	LU 18	-762	-8821	-68363	-6976	-8821	1	Si
237	0.06	7.6	0	-911	LU 18	-911	-8821	-68363	-6976	-8821	1	Si
240	0	7.6	0	-940	LU 18	-940	-8821	-68363	0	-8821	1	Si
257	0	10.62	0	-1118	LU 18	-1118	-9859	-68363	0	-9859	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-73805	1	-61933	1.6	124.5	24.2	1837	-73805	1	-61933	2.8	93.4	0	+∞	Si
17	-54357	1	-54175	1.4	124.5	21.2	1837	-54357	1	-54175	1.8	93.4	0	+∞	Si
20	-51403	1	-51403	1.3	124.5	20.1	1837	-51403	1	-51403	2.3	93.4	0	+∞	Si
34	-36972	1	-51403	1.3	124.5	20.1	1837	-36972	1	-51403	2.3	93.4	0	+∞	Si
51	-21650	1	-48869	1.3	124.5	19.1	1837	-21650	1	-48869	2.2	93.4	0	+∞	Si
69	880	7	17791	0.5	124.5	7	1837								Si
69	-9119	4	-32116	0.8	124.5	12.6	1837	-8390	1	-32116	1.4	93.4	0	+∞	Si
77	6491	7	21735	0.6	124.5	8.5	1837	133	2	15906	0.7	93.4	0	+∞	Si
77	-3810	4	-24513	0.6	124.5	9.6	1837	-2534	1	-24513	1.1	93.4	0	+∞	Si
94	16188	2	28075	0.7	124.5	11	1837	10198	2	22479	1	93.4	0	+∞	Si
112	23959	2	32353	0.8	124.5	12.6	1837	18201	2	26988	1.2	93.4	0	+∞	Si
129	29667	2	34568	0.9	124.5	13.5	1837	24142	2	29435	1.3	93.4	0	+∞	Si
146	33313	2	34913	0.9	124.5	13.6	1837	28019	2	29967	1.3	93.4	0	+∞	Si
163	34895	2	34913	0.9	124.5	13.6	1837	29833	2	29967	1.3	93.4	0	+∞	Si
180	34415	2	34913	0.9	124.5	13.6	1837	29585	2	29967	1.3	93.4	0	+∞	Si
197	31872	2	34913	0.9	124.5	13.4	1837	27274	2	29967	1.3	93.4	0	+∞	Si
206	29827	2	34608	0.8	124.5	13.2	1837	25345	2	29733	1.2	93.4	0	+∞	Si
223	24189	2	32464	0.8	124.5	12.3	1837	19939	2	27821	1.1	93.4	0	+∞	Si
237	17845	2	29102	0.7	124.5	10.9	1837	13788	2	24652	1	93.4	0	+∞	Si
237	-4823	8	-4823	0.2	124.5	5.5	1837								Si
240	16489	2	16489	0.4	124.5	6.2	1837	12471	2	12471	0.5	93.4	0	+∞	Si
240	-6650	8	-6551	0.2	124.5	7.4	1837								Si
257	6726	2	6726	0.2	124.5	2.5	1837	2939	2	2939	0.1	93.4	0	+∞	Si
257	-19456	8	-11386	0.4	124.5	12.9	1837								Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
17	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
34	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
51	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
69	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
77	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
94	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
112	0.001	0	0	0	0.001	0	0	0	0	0	0.001	2	0.001	2	9999	Si
129	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
146	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si
154	0.001	0	0	0	0.001	0	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
163	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si
180	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si
197	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
206	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
223	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
237	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
240	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Campata 12 tra i fili 13 - 14, sezione R 40x70, asta 1234

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-131807	LU 17	-93816	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	-18766	LU 2	50903	963633	0.08	-57900	LU 17	-57900	-1865528	0.096	Si
40	13.32	5.4	7.6	5.4	26239	LU 11	112617	963522	0.08	5751	LU 4	-57900	-1642002	0.091	Si
60	11.43	5.4	7.6	5.4	84843	LU 18	170941	963380	0.08	51481	LU 1	-19747	-1418206	0.086	Si
80	7.6	5.4	7.6	5.4	145049	LU 18	225114	962923	0.078						Si
90	7.6	5.4	7.6	5.4	173596	LU 18	250645	962923	0.078						Si
110	7.6	5.4	7.6	5.4	227576	LU 18	298594	962923	0.078						Si
130	7.6	5.4	7.6	5.4	277407	LU 18	342392	962923	0.078						Si
150	7.6	5.4	7.6	5.4	323088	LU 18	382107	962923	0.078						Si
170	7.6	5.4	7.6	5.4	364618	LU 18	418856	962923	0.078						Si
190	7.6	5.4	7.6	5.4	402749	LU 17	451455	962923	0.078						Si
210	7.6	5.4	7.6	5.4	437230	LU 17	479904	962923	0.078						Si
220	7.6	5.4	7.6	5.4	452914	LU 17	492572	962923	0.078						Si
230	7.6	5.4	9.33	5.4	467561	LU 17	504203	1167756	0.082						Si
240	7.6	5.4	10	5.4	481170	LU 17	514796	1247752	0.083						Si
260	7.6	5.4	11.35	5.4	505276	LU 17	518137	1407703	0.086						Si
273	7.6	5.4	11.4	5.4	518137	LU 17	518137	1414576	0.086						Si
280	7.6	5.4	11.4	5.4	525232	LU 17	524432	1414576	0.086						Si
300	7.6	5.4	11.4	5.4	541043	LU 17	531500	1414576	0.086						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.43	0	3799	LU 17	3799	10106	68363	0	10106	1	Si
10	0	7.6	0	3695	LU 17	3695	8821	68363	0	8821	1	Si
20	0.064	7.6	0	3592	LU 17	3592	8821	68363	7395	8821	1	Si
40	0.064	7.6	0	3384	LU 17	3384	8821	68363	7395	8821	1	Si
60	0.064	7.6	0	3177	LU 17	3177	8821	68363	7395	8821	1	Si
80	0.064	7.6	0	2969	LU 17	2969	8821	68363	7395	8821	1	Si
90	0.064	7.6	0	2865	LU 17	2865	8821	68363	7395	8821	1	Si
110	0.064	7.6	0	2658	LU 17	2658	8821	68363	7395	8821	1	Si
130	0.064	7.6	0	2450	LU 17	2450	8821	68363	7395	8821	1	Si
150	0.064	7.6	0	2243	LU 17	2243	8821	68363	7395	8821	1	Si
170	0.064	7.6	0	2035	LU 17	2035	8821	68363	7395	8821	1	Si
190	0.064	7.6	0	1828	LU 17	1828	8821	68363	7395	8821	1	Si
210	0.064	7.6	0	1620	LU 17	1620	8821	68363	7395	8821	1	Si
230	0.064	7.6	0	1413	LU 17	1413	8821	68363	7395	8821	1	Si
240	0.064	7.6	0	1309	LU 17	1309	8821	68363	7395	8821	1	Si
260	0.064	7.6	0	1118	LU 13	1118	8821	68363	7395	8821	1	Si
273	0.064	7.6	0	1004	LU 13	1004	8821	68363	7395	8821	1	Si
280	0	7.6	0	936	LU 13	936	8821	68363	0	8821	1	Si
300	0	10	0	754	LU 13	754	9664	68363	0	9664	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-98440	8	-69927	1.8	124.5	79.3	1837	-79264	1	-55373	1.9	93.4	0	+∞	Si
20	-42985	8	-42985	1.5	124.5	48.7	1837	-32882	1	-32882	1.2	93.4	0	+∞	Si
40	18919	2	84281	2	124.5	32	1837	13166	2	70970	2.9	93.4	0	+∞	Si
60	63426	9	128059	3.2	124.5	49	1837	53590	2	107325	4.5	93.4	0	+∞	Si
80	108628	9	168696	4.4	124.5	65.9	1837	91215	2	140880	6.3	93.4	0	+∞	Si
90	130051	9	187837	4.9	124.5	73.4	1837	108977	2	156607	7	93.4	0	+∞	Si
110	170542	9	223765	5.8	124.5	87.5	1837	142401	2	185962	8.3	93.4	0	+∞	Si
130	207894	9	256552	6.7	124.5	100.3	1837	173026	2	212516	9.5	93.4	0	+∞	Si
150	242105	9	286243	7.5	124.5	111.9	1837	200850	2	236290	10.6	93.4	0	+∞	Si
170	273176	9	313584	8.2	124.5	122.6	1837	225875	2	257602	11.6	93.4	0	+∞	Si
190	301608	8	337785	8.8	124.5	132	1837	248313	1	276114	11.8	93.4	0	+∞	Si
210	327232	8	358846	9.4	124.5	140.3	1837	268095	1	291826	13.1	93.4	0	+∞	Si
230	349717	8	376767	15.7	124.5	683.4	1837	285077	1	304738	12.7	93.4	0	+∞	Si
240	359782	8	384550	15.6	124.5	652.1	1837	292518	1	310144	12.6	93.4	0	+∞	Si
260	377557	8	386998	15	124.5	581	1837	305300	1	311801	12.1	93.4	0	+∞	Si
273	386998	8	386998	15	124.5	578.2	1837	311801	1	311801	12	93.4	0	+∞	Si
280	392192	8	391611	15.1	124.5	585.1	1837	315282	1	314920	12.2	93.4	0	+∞	Si
300	403691	8	396790	15.3	124.5	592.8	1837	322464	1	318423	12.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
40	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
60	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
80	0.005	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.01	2	9999	Si
90	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
110	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.013	2	9999	Si
130	0.007	0.006	0.007	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.014	2	9999	Si
150	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.015	2	9999	Si
170	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.016	2	9999	Si
190	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.015	2	9999	Si
210	0.008	0.006	0.007	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.014	2	0.014	2	9999	Si
230	0.007	0.005	0.006	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.013	2	0.013	2	9999	Si
240	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.011	1	0.011	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
260	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	1	0.008	1	9999	Si
273	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
280	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si

Trave a "Piano 2" 30-36

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili ? - ?, sezione R 40x70, asta 1188

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-736815	LU 12	-675328	-1865528	0.096	Si
17	15.21	5.4	7.6	5.4						-633985	LU 12	-632627	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-617878	LU 12	-617878	-1865528	0.096	Si
34	15.21	5.4	7.6	5.4						-533966	LU 12	-617878	-1865528	0.096	Si
52	15.21	5.4	7.6	5.4						-436759	LU 12	-602353	-1865528	0.096	Si
69	13.74	5.4	7.6	5.4	-212578	LU 1	7988	963549	0.08	-342362	LU 12	-503217	-1691790	0.092	Si
78	12.93	5.4	7.6	5.4	-180266	LU 6	15494	963495	0.08	-296218	LU 12	-454703	-1595396	0.09	Si
95	11.3	5.4	7.6	5.4	-114900	LU 8	27117	963369	0.08	-206344	LU 11	-359784	-1402462	0.086	Si
112	7.6	5.4	7.6	5.4	-50997	LU 8	59802	962923	0.078	-120291	LU 11	-267676	-962923	0.078	Si
129	7.6	5.4	7.6	5.4	10430	LU 8	132702	962923	0.078	-37049	LU 11	-179098	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	83125	LU 17	203792	962923	0.078	29638	LU 2	-93928	-962923	0.078	Si
164	7.6	5.4	7.6	5.4	155044	LU 17	277938	962923	0.078	91816	LU 2	-14326	-962923	0.078	Si
181	7.6	5.4	7.6	5.4	227505	LU 18	348960	962923	0.078						Si
190	7.6	5.4	7.6	5.4	264478	LU 18	383299	962923	0.078						Si
207	7.6	5.4	7.6	5.4	336081	LU 18	449636	962923	0.078						Si
224	7.6	5.4	7.6	5.4	404561	LU 18	478112	962923	0.078						Si
241	7.6	5.4	7.6	5.4	469916	LU 18	478112	962923	0.078						Si
244	7.6	5.4	7.6	5.4	478112	LU 18	478112	962923	0.078						Si
259	7.6	5.4	7.6	5.4	532148	LU 18	505160	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.55	0	6118	LU 18	6118	10952	68363	0	10952	1	Si
17	0	12.93	0	5940	LU 18	5940	10528	68363	0	10528	1	Si
20	0.086	12.11	0	5912	LU 18	5912	10302	68363	10004	10302	1	Si
34	0.086	11.3	0	5762	LU 18	5762	10067	68363	10004	10067	1	Si
52	0.086	7.6	0	5585	LU 18	5585	8821	68363	10004	10004	1	Si
69	0.086	7.6	0	5407	LU 18	5407	8821	68363	10004	10004	1	Si
78	0.086	7.6	0	5318	LU 18	5318	8821	68363	10004	10004	1	Si
95	0.065	7.6	0	5140	LU 18	5140	8821	68363	7596	8821	1	Si
112	0.065	7.6	0	4963	LU 18	4963	8821	68363	7596	8821	1	Si
129	0.065	7.6	0	4785	LU 18	4785	8821	68363	7596	8821	1	Si
147	0.065	7.6	0	4607	LU 18	4607	8821	68363	7596	8821	1	Si
164	0.065	7.6	0	4429	LU 18	4429	8821	68363	7596	8821	1	Si
181	0.065	7.6	0	4252	LU 18	4252	8821	68363	7596	8821	1	Si
190	0.065	7.6	0	4171	LU 12	4171	8821	68363	7596	8821	1	Si
207	0.065	7.6	0	4011	LU 12	4011	8821	68363	7596	8821	1	Si
224	0.065	7.6	0	3851	LU 12	3851	8821	68363	7596	8821	1	Si
241	0.065	7.6	0	3691	LU 12	3691	8821	68363	7596	8821	1	Si
244	0.065	7.6	0	3671	LU 12	3671	8821	68363	7596	8821	1	Si
259	0	7.6	0	3531	LU 12	3531	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-555079	3	-508510	17.8	124.5	576.3	1837	-500449	2	-457350	16	93.4	0	+∞	Si
17	-477212	3	-476184	16.7	124.5	539.7	1837	-428454	2	-427508	15	93.4	0	+∞	Si
20	-465019	3	-465019	16.3	124.5	527	1837	-417201	2	-417201	14.6	93.4	0	+∞	Si
34	-401507	3	-465019	16.3	124.5	527	1837	-358623	2	-417201	14.6	93.4	0	+∞	Si
52	-327965	3	-453266	15.9	124.5	513.7	1837	-290953	2	-406354	14.2	93.4	0	+∞	Si
69	-256585	3	-378241	13.7	124.5	471.8	1837	-225446	2	-337201	12.2	93.4	0	+∞	Si
78	-221706	3	-341539	12.6	124.5	452.3	1837	-193504	2	-303435	11.2	93.4	0	+∞	Si
95	-153774	2	-269757	10.5	124.5	406.5	1837	-131240	2	-237526	9.2	93.4	0	+∞	Si
112	-88677	2	-200138	5.2	124.5	78.2	1837	-71139	2	-173780	7.8	93.4	0	+∞	Si
129	4345	8	99306	2.6	124.5	38.8	1837								Si
129	-25743	2	-133160	3.5	124.5	52	1837	-13201	2	-112195	5	93.4	0	+∞	Si
147	61524	8	153365	4	124.5	59.9	1837	45810	1	131652	5.9	93.4	0	+∞	Si
164	116334	8	209172	5.5	124.5	81.8	1837	97283	1	181620	8.1	93.4	0	+∞	Si
181	171216	9	262609	6.8	124.5	102.6	1837	147641	2	229426	10.3	93.4	0	+∞	Si
190	199044	9	288438	7.5	124.5	112.7	1837	172556	2	252518	11.3	93.4	0	+∞	Si
207	252921	9	338319	8.8	124.5	132.2	1837	220764	2	297080	13.3	93.4	0	+∞	Si
224	304428	9	359724	9.4	124.5	140.6	1837	266809	2	316189	14.2	93.4	0	+∞	Si
241	353564	9	359724	9.4	124.5	140.6	1837	310692	2	316189	14.2	93.4	0	+∞	Si
244	359724	9	359724	9.4	124.5	140.6	1837	316189	2	316189	14.2	93.4	0	+∞	Si
259	400330	9	380054	9.9	124.5	148.6	1837	352413	2	334333	15	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
17	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
34	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.003	1	-0.003	1	9999	Si
52	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
60	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
69	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
78	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
95	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
112	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
129	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
147	0.001	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
164	0.001	0	0.001	0	0.001	0	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
181	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
190	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
207	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
224	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
241	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	1	0.001	1	9999	Si
244	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si

Campata 3 tra i fili ? - 32, sezione R 40x70, asta 1187

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	527464	LU 18	527464	962923	0.078						Si
14	7.6	5.4	7.6	5.4	555797	LU 18	555797	962923	0.078						Si
15	7.6	5.4	7.6	5.4	557872	LU 18	610367	962923	0.078						Si
28	7.6	5.4	7.6	5.4	582169	LU 18	630874	962923	0.078						Si
42	7.6	5.4	7.6	5.4	606581	LU 18	655236	962923	0.078						Si
56	7.6	5.4	7.6	5.4	629033	LU 18	679730	962923	0.078						Si
63	7.6	5.4	7.6	5.4	640048	LU 12	691315	962923	0.078						Si
77	7.6	5.4	7.6	5.4	665579	LU 12	713162	962923	0.078						Si
91	7.6	5.4	7.6	5.4	689345	LU 12	733245	962923	0.078						Si
104	7.6	5.4	7.6	5.4	711348	LU 12	751564	962923	0.078						Si
118	7.6	5.4	10.02	5.4	731585	LU 12	768118	1250379	0.083						Si
132	7.6	5.4	10.96	5.4	750059	LU 12	782908	1361744	0.085						Si
146	7.6	5.4	11.4	5.4	766768	LU 12	795934	1414576	0.086						Si
160	7.6	5.4	11.4	5.4	781713	LU 12	806952	1414576	0.086						Si
167	7.6	5.4	11.4	5.4	788524	LU 12	806952	1414576	0.086						Si
181	7.6	5.4	11.4	5.4	800822	LU 12	806952	1414576	0.086						Si
189	7.6	5.4	11.4	5.4	806952	LU 12	806952	1414576	0.086						Si
195	7.6	5.4	11.4	5.4	811356	LU 12	810809	1414576	0.086						Si
209	7.6	5.4	11.4	5.4	820126	LU 12	814437	1414576	0.086						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2530	LU 11	2530	8821	68363	0	8821	1	Si
14	0	7.6	0	2404	LU 11	2404	8821	68363	0	8821	1	Si
15	0.064	7.6	0	2394	LU 11	2394	8821	68363	7384	8821	1	Si
28	0.064	7.6	0	2277	LU 11	2277	8821	68363	7384	8821	1	Si
42	0.064	7.6	0	2150	LU 11	2150	8821	68363	7384	8821	1	Si
56	0.064	7.6	0	2024	LU 11	2024	8821	68363	7384	8821	1	Si
63	0.064	7.6	0	1960	LU 11	1960	8821	68363	7384	8821	1	Si
77	0.064	7.6	0	1834	LU 11	1834	8821	68363	7384	8821	1	Si
91	0.064	7.6	0	1707	LU 11	1707	8821	68363	7384	8821	1	Si
104	0.064	7.6	0	1580	LU 11	1580	8821	68363	7384	8821	1	Si
118	0.064	7.6	0	1453	LU 11	1453	8821	68363	7384	8821	1	Si
132	0.064	7.6	0	1327	LU 11	1327	8821	68363	7384	8821	1	Si
146	0.064	7.6	0	1200	LU 11	1200	8821	68363	7384	8821	1	Si
160	0.064	7.6	0	1073	LU 11	1073	8821	68363	7384	8821	1	Si
160	0.064	7.6	0	-100	LU 8	-100	-8821	-68363	-7384	-8821	1	Si
167	0.064	7.6	0	1010	LU 11	1010	8821	68363	7384	8821	1	Si
167	0.064	7.6	0	-155	LU 8	-155	-8821	-68363	-7384	-8821	1	Si
181	0.064	10.02	0	883	LU 11	883	9671	68363	7384	9671	1	Si
181	0.064	10.02	0	-267	LU 8	-267	-9671	-68363	-7384	-9671	1	Si
189	0.064	10.49	0	812	LU 11	812	9820	68363	7384	9820	1	Si
189	0.064	10.49	0	-330	LU 8	-330	-9820	-68363	-7384	-9820	1	Si
195	0	10.96	0	757	LU 11	757	9964	68363	0	9964	1	Si
195	0	10.96	0	-379	LU 8	-379	-9964	-68363	0	-9964	1	Si
209	0	11.4	0	651	LU 2	651	10097	68363	0	10097	1	Si
209	0	11.4	0	-511	LU 17	-511	-10097	-68363	0	-10097	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	396950	9	396950	10.3	124.5	155.2	1837	349464	2	349464	15.7	93.4	0	+∞	Si
14	418333	9	418333	10.9	124.5	163.5	1837	370179	2	370179	16.6	93.4	0	+∞	Si
15	419899	9	459488	12	124.5	179.6	1837	371701	2	410338	18.4	93.4	0	+∞	Si
28	438228	9	474941	11.8	124.5	185.6	1837	389536	2	425550	19.1	93.4	0	+∞	Si
42	456635	9	492937	12.8	124.5	192.7	1837	407536	2	440716	19.8	93.4	0	+∞	Si
56	473554	9	510840	13.3	124.5	199.7	1837	424179	2	454526	20.4	93.4	0	+∞	Si
63	481806	3	519282	13.5	124.5	203	1837	431991	2	460922	20.7	93.4	0	+∞	Si
77	500506	3	535150	13.9	124.5	209.2	1837	446598	2	472695	21.2	93.4	0	+∞	Si
91	517850	3	549660	14.3	124.5	214.8	1837	459848	2	483112	21.7	93.4	0	+∞	Si
104	533836	3	562813	14.7	124.5	220	1837	471741	2	492171	22.1	93.4	0	+∞	Si
118	548465	3	574608	23.3	124.5	972.3	1837	482277	2	499873	20.2	93.4	0	+∞	Si
132	561737	3	585047	22.9	124.5	908.2	1837	491455	2	506218	19.8	93.4	0	+∞	Si
146	573652	3	594128	23	124.5	887.6	1837	499276	2	511206	19.7	93.4	0	+∞	Si
160	584210	3	601688	23.2	124.5	898.9	1837	505740	2	514771	19.9	93.4	0	+∞	Si
167	588979	3	601688	23.2	124.5	898.9	1837	508464	2	514771	19.9	93.4	0	+∞	Si
181	597501	3	601688	23.2	124.5	898.9	1837	512892	2	514771	19.9	93.4	0	+∞	Si
189	601688	3	601688	23.2	124.5	898.9	1837	514771	2	514771	19.9	93.4	0	+∞	Si
195	604666	3	604307	23.3	124.5	902.8	1837	515963	2	515876	19.9	93.4	0	+∞	Si
209	610474	3	606771	23.4	124.5	906.5	1837	517677	2	516915	20	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara	Frequente	Quasi permanente	Verifica

	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
14	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
15	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
28	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.008	2	0.008	2	9999	Si
42	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
56	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
63	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.006	0.006	0.015	2	0.014	2	9999	Si
77	0.008	0.007	0.007	0.006	0.007	0.007	0.007	0.006	0.007	0.007	0.017	2	0.016	2	9999	Si
91	0.009	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.018	2	0.017	2	9999	Si
104	0.009	0.007	0.008	0.007	0.008	0.007	0.007	0.007	0.008	0.007	0.018	2	0.017	2	9999	Si
118	0.009	0.007	0.008	0.007	0.008	0.007	0.007	0.007	0.008	0.007	0.018	2	0.017	2	9999	Si
132	0.008	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.007	0.007	0.017	2	0.016	2	9999	Si
146	0.008	0.006	0.007	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.015	2	0.015	2	9999	Si
160	0.006	0.005	0.006	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.013	2	0.012	2	9999	Si
167	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
181	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.009	2	0.008	2	9999	Si
189	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
195	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si

Campata 4 tra i fili 32 - 33, sezione R 40x70, asta 1186

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	647141	LU 11	634736	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	620762	LU 11	620754	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	620518	LU 11	620518	1414576	0.086						Si
40	7.6	5.4	11.4	5.4	590804	LU 11	620518	1414576	0.086						Si
59	7.6	5.4	11.4	5.4	557266	LU 11	605173	1414576	0.086						Si
79	7.6	5.4	10.42	5.4	520149	LU 11	573302	1297648	0.084						Si
89	7.6	5.4	9.75	5.4	500248	LU 11	556024	1218323	0.083						Si
99	7.6	5.4	7.6	5.4	479452	LU 11	537852	962923	0.078						Si
109	7.6	5.4	7.6	5.4	457761	LU 11	518784	962923	0.078						Si
129	7.6	5.4	7.6	5.4	411694	LU 11	477964	962923	0.078						Si
149	7.6	5.4	7.6	5.4	362245	LU 12	433565	962923	0.078						Si
169	7.6	5.4	7.6	5.4	309285	LU 12	385658	962923	0.078						Si
188	7.6	5.4	7.6	5.4	252746	LU 12	334366	962923	0.078						Si
208	7.6	5.4	7.6	5.4	192628	LU 12	279494	962923	0.078						Si
228	7.6	5.4	7.6	5.4	138620	LU 13	221043	962923	0.078	69420	LU 7	-16843	-962923	0.078	Si
238	11.48	5.4	7.6	5.4	114170	LU 13	190475	963385	0.08	40919	LU 7	-48124	-1423812	0.087	Si
258	13.35	5.4	7.6	5.4	62587	LU 13	136943	963524	0.08	-18928	LU 7	-82025	-1645687	0.091	Si
277	15.21	5.4	7.6	5.4	7895	LU 13	87468	963633	0.08	-82025	LU 7	-82025	-1865528	0.096	Si
278	15.21	5.4	7.6	5.4	7424	LU 13	7418	963633	0.08	-82568	LU 7	-82568	-1865528	0.096	Si
297	15.21	5.4	7.6	5.4						-162854	LU 16	-120805	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.09	0	-1240	LU 11	-1240	-10003	-68363	0	-10003	1	Si
20	0	9.75	0	-1420	LU 11	-1420	-9584	-68363	0	-9584	1	Si
20	0.072	9.75	0	-1422	LU 11	-1422	-9584	-68363	-8336	-9584	1	Si
40	0.072	7.6	0	-1601	LU 11	-1601	-8821	-68363	-8336	-8821	1	Si
59	0.072	7.6	0	-1781	LU 11	-1781	-8821	-68363	-8336	-8821	1	Si
79	0.072	7.6	0	-1962	LU 11	-1962	-8821	-68363	-8336	-8821	1	Si
89	0.072	7.6	0	-2052	LU 11	-2052	-8821	-68363	-8336	-8821	1	Si
109	0.086	7.6	0	-2232	LU 11	-2232	-8821	-68363	-9933	-9933	1	Si
129	0.086	7.6	0	-2413	LU 11	-2413	-8821	-68363	-9933	-9933	1	Si
149	0.086	7.6	0	-2593	LU 11	-2593	-8821	-68363	-9933	-9933	1	Si
169	0.086	7.6	0	-2774	LU 11	-2774	-8821	-68363	-9933	-9933	1	Si
188	0.086	7.6	0	-2954	LU 11	-2954	-8821	-68363	-9933	-9933	1	Si
208	0.101	7.6	0	-3158	LU 16	-3158	-8821	-68363	-11671	-11671	1	Si
228	0.101	7.6	0	-3391	LU 16	-3391	-8821	-68363	-11671	-11671	1	Si
238	0.101	7.6	0	-3507	LU 16	-3507	-8821	-68363	-11671	-11671	1	Si
258	0.101	7.6	0	-3740	LU 16	-3740	-8821	-68363	-11671	-11671	1	Si
277	0.101	7.6	0	-3971	LU 16	-3971	-8821	-68363	-11671	-11671	1	Si
278	0	7.6	0	-3973	LU 16	-3973	-8821	-68363	0	-8821	1	Si
297	0	7.6	0	-4204	LU 16	-4204	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	478357	2	469705	18.1	124.5	701.7	1837	389889	2	385289	14.9	93.4	0	+∞	Si
20	459832	2	459826	17.8	124.5	687	1837	379399	2	379393	14.7	93.4	0	+∞	Si
20	459659	2	459659	17.8	124.5	686.7	1837	379293	2	379293	14.7	93.4	0	+∞	Si
40	438553	2	459659	17.8	124.5	686.7	1837	366155	2	379293	14.7	93.4	0	+∞	Si
59	414521	2	448784	17.3	124.5	670.5	1837	350157	2	372643	14.4	93.4	0	+∞	Si
79	387735	2	426033	17	124.5	694.4	1837	331406	2	357928	14.3	93.4	0	+∞	Si
89	373309	2	413626	16.9	124.5	718.6	1837	320998	2	349538	14.3	93.4	0	+∞	Si
109	342393	2	386745	10.1	124.5	151.2	1837	298117	2	330692	14.8	93.4	0	+∞	Si
129	308723	2	357111	9.3	124.5	139.6	1837	272482	2	309093	13.9	93.4	0	+∞	Si
149	272430	3	324724	8.5	124.5	126.9	1837	244093	2	284741	12.8	93.4	0	+∞	Si
169	233431	3	289631	7.5	124.5	113.2	1837	212951	2	257635	11.6	93.4	0	+∞	Si
188	191678	3	251914	6.6	124.5	98.5	1837	179056	2	227775	10.2	93.4	0	+∞	Si
208	147172	3	211444	5.5	124.5	82.6	1837	142407	2	195162	8.8	93.4	0	+∞	Si
228	106372	4	168220	4.4	124.5	65.8	1837	104690	1	159795	7.2	93.4	0	+∞	Si
238	87537	4	145575	3.6	124.5	55.7	1837	85678	1	141079	6	93.4	0	+∞	Si
258	47803	4	105080	2.5	124.5	39.9	1837	45588	1	103386	4.3	93.4	0	+∞	Si
277	5678	4	66968	1.6	124.5	25.2	1837	3111	1	64922	2.6	93.4	0	+∞	Si
277	-53646	7	-53646	1.9	124.5	60.8	1837	-7154	2	-7154	0.3	93.4	0	+∞	Si
278	5315	4	5311	0.1	124.5	2	1837	2745	1	2741	0.1	93.4	0	+∞	Si
278	-54130	7	-54130	1.9	124.5	61.3	1837	-7549	2	-7549	0.3	93.4	0	+∞	Si
297	-114283	7	-83093	2.9	124.5	94.2	1837	-56589	2	-31175	1.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.006	2	0.005	2	9999	Si
20	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.006	2	0.005	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
40	0.005	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si
59	0.007	0.005	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
79	0.008	0.006	0.007	0.006	0.007	0.007	0.007	0.006	0.007	0.007	0.016	2	0.015	2	9999	Si
89	0.008	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.007	0.007	0.017	2	0.016	2	9999	Si
109	0.009	0.007	0.008	0.006	0.008	0.008	0.007	0.007	0.008	0.008	0.018	2	0.017	2	9999	Si
129	0.009	0.007	0.008	0.007	0.008	0.008	0.008	0.007	0.008	0.008	0.019	2	0.018	2	9999	Si
149	0.009	0.007	0.008	0.006	0.008	0.008	0.007	0.007	0.008	0.008	0.018	2	0.017	2	9999	Si
169	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.007	0.007	0.017	2	0.016	2	9999	Si
188	0.007	0.006	0.007	0.005	0.007	0.006	0.006	0.006	0.007	0.006	0.016	2	0.015	2	9999	Si
208	0.006	0.005	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.013	2	9999	Si
228	0.005	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.011	2	0.01	2	9999	Si
238	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si
258	0.003	0.002	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
277	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
278	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si

Campata 5 tra i fili 33 - ?, sezione R 40x70, asta 1185

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-123803	LU 16	-90782	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	31573	LU 13	103245	963633	0.08	-64040	LU 7	-64040	-1865528	0.096	Si
56	11.78	5.4	8.7	5.4	120630	LU 13	182527	1093908	0.081	28090	LU 7	-44243	-1459163	0.087	Si
113	7.6	5.4	7.6	5.4	233805	LU 13	281992	962923	0.078						Si
169	7.6	5.4	7.6	5.4	330624	LU 17	373364	962923	0.078						Si
225	7.6	5.4	7.6	5.4	405413	LU 17	430472	962923	0.078						Si
254	7.6	5.4	7.6	5.4	429959	LU 17	446176	962923	0.078						Si
310	7.6	5.4	7.6	5.4	453352	LU 17	453352	962923	0.078						Si
366	7.6	5.4	7.6	5.4	442482	LU 17	452237	962923	0.078						Si
423	7.6	5.4	7.6	5.4	397347	LU 17	459297	962923	0.078						Si
479	7.6	5.4	7.6	5.4	317949	LU 17	433599	962923	0.078						Si
535	7.6	5.4	7.6	5.4	204287	LU 17	356506	962923	0.078						Si
592	7.6	5.4	7.6	5.4	56360	LU 17	228016	962923	0.078	15852	LU 2	-55686	-962923	0.078	Si
648	7.6	5.4	7.6	5.4	-95409	LU 8	48130	962923	0.078	-135885	LU 11	-235504	-962923	0.078	Si
676	7.6	5.4	7.6	5.4						-231926	LU 16	-347359	-962923	0.078	Si
732	11.4	5.4	7.6	5.4						-463652	LU 16	-597600	-1414575	0.086	Si
761	11.4	5.4	7.6	5.4						-593169	LU 15	-736065	-1414576	0.086	Si
789	15.58	5.4	7.6	5.4						-731358	LU 15	-883095	-1910090	0.097	Si
825	19.01	5.4	7.6	5.4						-923148	LU 15	-923148	-2315301	0.107	Si
845	19.01	5.4	7.6	5.4						-1033435	LU 15	-977653	-2315301	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.78	0	3489	LU 16	3489	10207	68363	0	10207	1	Si
20	0.061	7.6	0	3274	LU 16	3274	8821	68363	7104	8821	1	Si
56	0.061	7.6	0	2881	LU 16	2881	8821	68363	7104	8821	1	Si
113	0.061	7.6	0	2273	LU 16	2273	8821	68363	7104	8821	1	Si
169	0.061	7.6	0	1665	LU 16	1665	8821	68363	7104	8821	1	Si
225	0.061	7.6	0	1057	LU 16	1057	8821	68363	7104	8821	1	Si
254	0.061	7.6	0	752	LU 16	752	8821	68363	7104	8821	1	Si
310	0.061	7.6	0	153	LU 7	153	8821	68363	7104	8821	1	Si
310	0.061	7.6	0	-42	LU 13	-42	-8821	-68363	-7104	-8821	1	Si
366	0.061	7.6	0	-554	LU 13	-554	-8821	-68363	-7104	-8821	1	Si
423	0.061	7.6	0	-1105	LU 17	-1105	-8821	-68363	-7104	-8821	1	Si
479	0.061	7.6	0	-1714	LU 17	-1714	-8821	-68363	-7104	-8821	1	Si
535	0.061	7.6	0	-2322	LU 17	-2322	-8821	-68363	-7104	-8821	1	Si
592	0.061	7.6	0	-2930	LU 17	-2930	-8821	-68363	-7104	-8821	1	Si
648	0.061	7.6	0	-3538	LU 17	-3538	-8821	-68363	-7104	-8821	1	Si
676	0.061	7.6	0	-3842	LU 17	-3842	-8821	-68363	-7104	-8821	1	Si
732	0.061	7.6	0	-4451	LU 17	-4451	-8821	-68363	-7104	-8821	1	Si
789	0.061	11.4	0	-5059	LU 17	-5059	-10097	-68363	-7104	-10097	1	Si
825	0.061	11.4	0	-5451	LU 17	-5451	-10097	-68363	-7104	-10097	1	Si
845	0	15.58	0	-5667	LU 17	-5667	-11204	-68363	0	-11204	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-84869	7	-59419	2.1	124.5	67.3	1837	-24304	2	-3404	0.1	93.4	0	+∞	Si
20	24153	4	79290	1.9	124.5	29.8	1837	23285	1	78447	3.2	93.4	0	+∞	Si
20	-34932	7	-34932	1.2	124.5	39.6	1837								Si
56	92664	4	140280	5.6	124.5	271.3	1837	91828	1	139469	5.6	93.4	0	+∞	Si
113	179729	4	216677	5.6	124.5	84.7	1837	178942	1	215121	9.6	93.4	0	+∞	Si
169	252928	8	284717	7.4	124.5	111.3	1837	243842	1	268557	12	93.4	0	+∞	Si
225	308479	8	326952	8.5	124.5	127.8	1837	286528	1	299780	13.4	93.4	0	+∞	Si
254	326578	8	338392	8.8	124.5	132.3	1837	299541	1	307061	13.8	93.4	0	+∞	Si
310	343422	8	343422	8.9	124.5	134.2	1837	308906	1	308906	13.9	93.4	0	+∞	Si
366	334462	8	342208	8.9	124.5	133.8	1837	296056	1	305375	13.7	93.4	0	+∞	Si
423	299697	8	320759	8.4	124.5	125.4	1837	260993	1	281774	12.6	93.4	0	+∞	Si
479	239128	8	273506	7.1	124.5	106.9	1837	203715	1	235960	10.6	93.4	0	+∞	Si
535	152754	8	200448	5.2	124.5	78.3	1837	124222	1	167931	7.5	93.4	0	+∞	Si
592	40576	8	101586	2.6	124.5	39.7	1837	22516	1	77688	3.5	93.4	0	+∞	Si
648	-104111	2	-180220	4.7	124.5	70.4	1837	-102216	2	-174670	7.8	93.4	0	+∞	Si
676	-177510	7	-264926	6.9	124.5	103.6	1837	-172246	2	-250432	11.2	93.4	0	+∞	Si
732	-352959	7	-454248	17.5	124.5	678.6	1837	-328967	2	-418855	16.2	93.4	0	+∞	Si
789	-555358	6	-670033	23.2	124.5	741.8	1837	-508393	1	-609774	21.2	93.4	0	+∞	Si
825	-700298	6	-700298	22.8	124.5	641.3	1837	-636493	1	-636493	20.7	93.4	0	+∞	Si
845	-783632	6	-741484	24.1	124.5	679	1837	-710063	1	-672864	21.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	1	0.01	1	9999	Si
56	0.013	0.012	0.012	0.01	0.012	0.012	0.011	0.011	0.012	0.012	0.029	1	0.028	1	9999	Si
113	0.026	0.022	0.023	0.02	0.024	0.023	0.021	0.021	0.024	0.023	0.056	1	0.054	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
169	0.037	0.032	0.033	0.028	0.034	0.033	0.03	0.029	0.034	0.033	0.078	1	0.077	1	9999	Si
225	0.046	0.039	0.041	0.034	0.041	0.04	0.037	0.036	0.041	0.04	0.096	1	0.094	1	8841	Si
254	0.049	0.041	0.043	0.037	0.044	0.042	0.039	0.038	0.044	0.043	0.102	1	0.1	1	8304	Si
310	0.053	0.044	0.047	0.039	0.047	0.045	0.042	0.04	0.047	0.046	0.109	1	0.107	1	7759	Si
338	0.053	0.045	0.047	0.04	0.047	0.046	0.042	0.041	0.047	0.046	0.11	1	0.108	1	7694	Si
366	0.053	0.044	0.047	0.039	0.047	0.046	0.042	0.04	0.047	0.046	0.109	1	0.107	1	7753	Si
423	0.05	0.042	0.045	0.037	0.044	0.043	0.039	0.038	0.044	0.043	0.102	1	0.1	1	8259	Si
479	0.045	0.036	0.039	0.032	0.039	0.038	0.034	0.033	0.039	0.038	0.09	1	0.088	1	9425	Si
535	0.037	0.029	0.032	0.026	0.031	0.03	0.028	0.027	0.031	0.031	0.072	1	0.071	1	9999	Si
592	0.027	0.021	0.024	0.018	0.023	0.022	0.02	0.019	0.023	0.022	0.052	1	0.051	1	9999	Si
648	0.017	0.013	0.015	0.011	0.014	0.013	0.012	0.011	0.014	0.014	0.032	1	0.031	1	9999	Si
676	0.012	0.009	0.01	0.007	0.01	0.009	0.008	0.008	0.01	0.009	0.022	1	0.021	1	9999	Si
732	0.004	0.002	0.003	0.001	0.003	0.002	0.002	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
789	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
825	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Campata 6 tra i fili ? - 35, sezione R 40x70, asta 1184

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-789594	LU 17	-744088	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-699716	LU 17	-699716	-2315301	0.107	Si
59	14.54	5.4	8.88	5.4						-533852	LU 17	-655229	-1786795	0.093	Si
118	7.6	5.4	7.6	5.4						-315695	LU 17	-418554	-962923	0.078	Si
177	7.6	5.4	7.6	5.4						-135122	LU 17	-219463	-962923	0.078	Si
206	7.6	5.4	7.6	5.4	-42611	LU 9	53899	962923	0.078	-64990	LU 10	-134011	-962923	0.078	Si
265	7.6	5.4	7.6	5.4	66826	LU 18	251217	962923	0.078	30221	LU 1	-8190	-962923	0.078	Si
324	7.6	5.4	7.6	5.4	153676	LU 18	392158	962923	0.078						Si
383	7.6	5.4	7.6	5.4	202942	LU 18	476722	962923	0.078						Si
442	7.6	5.4	7.6	5.4	214624	LU 18	504910	962923	0.078						Si
501	7.6	5.4	7.6	5.4	188722	LU 18	476722	962923	0.078						Si
560	7.6	5.4	7.6	5.4	125235	LU 18	392157	962923	0.078						Si
619	7.6	5.4	7.6	5.4	24226	LU 9	251216	962923	0.078	-268	LU 10	-54242	-962923	0.078	Si
649	7.6	5.4	7.6	5.4	-27764	LU 9	159605	962923	0.078	-55040	LU 10	-117183	-962923	0.078	Si
708	7.6	5.4	7.6	5.4						-201839	LU 15	-293454	-962923	0.078	Si
767	7.6	5.4	7.6	5.4						-397177	LU 15	-507311	-962923	0.078	Si
796	9.23	5.4	7.6	5.4						-508940	LU 15	-628333	-1155833	0.082	Si
826	14.54	5.4	7.6	5.4						-630099	LU 15	-758751	-1786936	0.094	Si
865	19.01	5.4	7.6	5.4						-805723	LU 15	-805723	-2315301	0.107	Si
885	19.01	5.4	7.6	5.4						-900605	LU 15	-852597	-2315301	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.54	0	4657	LU 18	4657	10949	68363	0	10949	1	Si
20	0.061	9.23	0	4441	LU 18	4441	9408	68363	7044	9408	1	Si
59	0.061	7.6	0	4020	LU 18	4020	8821	68363	7044	8821	1	Si
118	0.061	7.6	0	3383	LU 18	3383	8821	68363	7044	8821	1	Si
177	0.061	7.6	0	2746	LU 18	2746	8821	68363	7044	8821	1	Si
206	0.061	7.6	0	2428	LU 18	2428	8821	68363	7044	8821	1	Si
265	0.061	7.6	0	1791	LU 18	1791	8821	68363	7044	8821	1	Si
324	0.061	7.6	0	1154	LU 18	1154	8821	68363	7044	8821	1	Si
383	0.061	7.6	0	517	LU 18	517	8821	68363	7044	8821	1	Si
442	0.061	7.6	0	-126	LU 15	-126	-8821	-68363	-7044	-8821	1	Si
501	0.061	7.6	0	-763	LU 15	-763	-8821	-68363	-7044	-8821	1	Si
560	0.061	7.6	0	-1400	LU 15	-1400	-8821	-68363	-7044	-8821	1	Si
619	0.061	7.6	0	-2037	LU 15	-2037	-8821	-68363	-7044	-8821	1	Si
649	0.061	7.6	0	-2355	LU 15	-2355	-8821	-68363	-7044	-8821	1	Si
708	0.061	7.6	0	-2992	LU 15	-2992	-8821	-68363	-7044	-8821	1	Si
767	0.061	7.6	0	-3629	LU 15	-3629	-8821	-68363	-7044	-8821	1	Si
826	0.061	7.6	0	-4266	LU 15	-4266	-8821	-68363	-7044	-8821	1	Si
865	0.061	9.23	0	-4687	LU 15	-4687	-9408	-68363	-7044	-9408	1	Si
885	0	14.54	0	-4903	LU 15	-4903	-10949	-68363	0	-10949	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-596080	8	-561816	18.3	124.5	514.5	1837	-522629	1	-493179	16	93.4	0	+∞	Si
20	-528406	8	-528406	17.2	124.5	483.9	1837	-464463	1	-464463	15.1	93.4	0	+∞	Si
59	-403519	8	-494909	17.2	124.5	584.4	1837	-357131	1	-435673	15.2	93.4	0	+∞	Si
118	-239263	8	-316707	8.3	124.5	123.8	1837	-216001	1	-282536	12.7	93.4	0	+∞	Si
177	-103313	8	-166811	4.3	124.5	65.2	1837	-99237	1	-153766	6.9	93.4	0	+∞	Si
206	-49993	1	-102477	2.7	124.5	40.1	1837	-49993	1	-98519	4.4	93.4	0	+∞	Si
265	48580	9	84264	2.2	124.5	32.9	1837	30666	2	61217	2.7	93.4	0	+∞	Si
324	113926	9	135664	3.5	124.5	53	1837	86580	2	105126	4.7	93.4	0	+∞	Si
383	150968	9	158759	4.1	124.5	62.1	1837	118128	2	124667	5.6	93.4	0	+∞	Si
442	159704	9	159704	4.2	124.5	61.8	1837	125308	2	125308	5.6	93.4	0	+∞	Si
501	140135	9	153263	4	124.5	59.9	1837	108122	2	119591	5.4	93.4	0	+∞	Si
560	92261	9	119336	3.1	124.5	46.6	1837	66568	2	90043	4	93.4	0	+∞	Si
619	16082	9	57103	1.5	124.5	22.3	1837	647	2	36129	1.6	93.4	0	+∞	Si
619	-206	1	-41724	1.1	124.5	16.3	1837	-206	1	-41724	1.9	93.4	0	+∞	Si
649	-42338	1	-90103	2.3	124.5	35.2	1837	-42338	1	-89859	4	93.4	0	+∞	Si
708	-153876	6	-222890	5.8	124.5	87.1	1837	-144878	1	-204404	9.2	93.4	0	+∞	Si
767	-301022	6	-383983	10	124.5	150.1	1837	-271784	1	-343316	15.4	93.4	0	+∞	Si
826	-476473	6	-573380	20.4	124.5	678.2	1837	-423057	1	-506596	18	93.4	0	+∞	Si
865	-608761	6	-608761	19.8	124.5	557.5	1837	-537093	1	-537093	17.5	93.4	0	+∞	Si
885	-680230	6	-644068	20.9	124.5	589.8	1837	-598697	1	-567528	18.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
59	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.011	2	-0.011	2	9999	Si
118	-0.004	-0.005	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.013	2	-0.013	2	9999	Si
177	-0.001	-0.003	-0.002	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.01	2	-0.01	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
206	0.001	-0.002	-0.001	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.007	2	-0.007	2	9999	Si
265	0.005	0.001	0.003	-0.001	0.001	0.001	0	-0.001	0.001	0.001	-0.001	2	-0.001	2	9999	Si
324	0.008	0.003	0.005	0.001	0.004	0.003	0.002	0.001	0.004	0.003	0.005	2	0.004	2	9999	Si
383	0.01	0.005	0.007	0.003	0.005	0.005	0.003	0.003	0.005	0.005	0.008	2	0.008	2	9999	Si
442	0.01	0.005	0.007	0.003	0.005	0.005	0.003	0.003	0.005	0.005	0.008	2	0.008	2	9999	Si
501	0.009	0.004	0.006	0.002	0.004	0.004	0.002	0.002	0.004	0.004	0.006	2	0.005	2	9999	Si
560	0.006	0.002	0.004	0	0.002	0.002	0	0	0.002	0.002	0	2	0	2	9999	Si
619	0.002	-0.002	0	-0.003	-0.001	-0.002	-0.003	-0.003	-0.001	-0.002	-0.007	2	-0.007	2	9999	Si
649	0	-0.003	-0.002	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.01	2	-0.011	2	9999	Si
708	-0.004	-0.006	-0.005	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.016	2	-0.017	2	9999	Si
767	-0.006	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.019	2	-0.019	2	9999	Si
826	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.014	2	-0.014	2	9999	Si
865	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	2	-0.006	2	9999	Si

Campata 7 tra i fili 35 - 36, sezione R 40x70, asta 1183

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-989861	LU 15	-934963	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-881280	LU 15	-881280	-2315301	0.107	Si
57	15.47	5.4	8.78	5.4						-686615	LU 15	-835513	-1896904	0.095	Si
115	11.4	5.4	7.6	5.4						-419067	LU 15	-549918	-1414575	0.086	Si
172	7.6	5.4	7.6	5.4						-187216	LU 15	-300019	-962923	0.078	Si
230	7.6	5.4	7.6	5.4	15880	LU 9	152842	962923	0.078	-11891	LU 10	-93162	-962923	0.078	Si
259	7.6	5.4	7.6	5.4	97280	LU 18	238981	962923	0.078	46831	LU 1	-12785	-962923	0.078	Si
316	7.6	5.4	7.6	5.4	238793	LU 18	371099	962923	0.078						Si
374	7.6	5.4	7.6	5.4	344610	LU 18	449672	962923	0.078						Si
431	7.6	5.4	7.6	5.4	414729	LU 18	474699	962923	0.078						Si
489	7.6	5.4	7.6	5.4	449876	LU 15	454248	962923	0.078						Si
546	7.6	5.4	7.6	5.4	449695	LU 15	454248	962923	0.078						Si
604	7.6	5.4	7.6	5.4	413816	LU 15	436368	962923	0.078						Si
661	7.6	5.4	7.6	5.4	342240	LU 15	382839	962923	0.078						Si
690	7.6	5.4	7.6	5.4	293066	LU 15	342688	962923	0.078						Si
747	7.6	5.4	7.6	5.4	167944	LU 15	235614	962923	0.078						Si
805	7.6	5.4	7.6	5.4	14416	LU 10	92842	962923	0.078	-2945	LU 9	-95110	-962923	0.078	Si
835	7.6	5.4	7.6	5.4	-51500	LU 1	11904	962923	0.078	-98451	LU 18	-98451	-962923	0.078	Si
862	7.6	5.4	7.6	5.4						-197228	LU 18	-145891	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.47	0	5584	LU 15	5584	11178	68363	0	11178	1	Si
20	0.06	11.4	0	5368	LU 15	5368	10097	68363	7017	10097	1	Si
57	0.06	11.4	0	4963	LU 15	4963	10097	68363	7017	10097	1	Si
115	0.06	7.6	0	4343	LU 15	4343	8821	68363	7017	8821	1	Si
172	0.06	7.6	0	3722	LU 15	3722	8821	68363	7017	8821	1	Si
230	0.06	7.6	0	3101	LU 15	3101	8821	68363	7017	8821	1	Si
259	0.06	7.6	0	2791	LU 15	2791	8821	68363	7017	8821	1	Si
316	0.06	7.6	0	2170	LU 15	2170	8821	68363	7017	8821	1	Si
374	0.06	7.6	0	1549	LU 15	1549	8821	68363	7017	8821	1	Si
431	0.06	7.6	0	928	LU 15	928	8821	68363	7017	8821	1	Si
489	0.06	7.6	0	307	LU 10	307	8821	68363	7017	8821	1	Si
546	0.06	7.6	0	-333	LU 18	-333	-8821	-68363	-7017	-8821	1	Si
604	0.06	7.6	0	-953	LU 18	-953	-8821	-68363	-7017	-8821	1	Si
661	0.06	7.6	0	-1574	LU 18	-1574	-8821	-68363	-7017	-8821	1	Si
690	0.06	7.6	0	-1885	LU 18	-1885	-8821	-68363	-7017	-8821	1	Si
747	0.06	7.6	0	-2505	LU 18	-2505	-8821	-68363	-7017	-8821	1	Si
805	0.06	7.6	0	-3126	LU 18	-3126	-8821	-68363	-7017	-8821	1	Si
835	0.06	7.6	0	-3450	LU 18	-3450	-8821	-68363	-7017	-8821	1	Si
862	0	7.6	0	-3747	LU 18	-3747	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-748610	6	-707216	23	124.5	647.6	1837	-665267	1	-629303	20.5	93.4	0	+∞	Si
20	-666737	6	-666737	21.7	124.5	610.5	1837	-594126	1	-594126	19.3	93.4	0	+∞	Si
57	-519946	6	-632228	21.6	124.5	703.6	1837	-466521	1	-564140	19.3	93.4	0	+∞	Si
115	-318167	6	-416857	16.1	124.5	622.8	1837	-290920	1	-376837	14.6	93.4	0	+∞	Si
172	-143272	6	-228370	6	124.5	89.3	1837	-138462	1	-212678	9.5	93.4	0	+∞	Si
230	7538	9	71730	1.9	124.5	28	1837								Si
230	-9147	1	-71663	1.9	124.5	28	1837	-9147	1	-71663	3.2	93.4	0	+∞	Si
259	71097	9	128493	3.3	124.5	50.2	1837	47736	2	98286	4.4	93.4	0	+∞	Si
316	178053	9	221857	5.8	124.5	86.7	1837	142065	2	180914	8.1	93.4	0	+∞	Si
374	258124	9	288337	7.5	124.5	112.7	1837	213250	2	240399	10.8	93.4	0	+∞	Si
431	311312	9	328056	8.5	124.5	128.2	1837	261291	2	276780	11.8	93.4	0	+∞	Si
489	338099	6	341534	8.9	124.5	133.5	1837	286363	1	290268	13	93.4	0	+∞	Si
546	338248	6	341534	8.9	124.5	133.5	1837	288387	1	290268	13	93.4	0	+∞	Si
604	311513	6	328352	8.6	124.5	128.3	1837	267267	1	280805	12.6	93.4	0	+∞	Si
661	257894	6	288325	7.5	124.5	112.7	1837	223003	1	248242	11.1	93.4	0	+∞	Si
690	221003	6	258230	6.7	124.5	100.9	1837	192192	1	223281	10	93.4	0	+∞	Si
747	127058	6	177876	4.6	124.5	69.5	1837	113213	1	156003	7	93.4	0	+∞	Si
805	11089	1	70639	1.8	124.5	27.6	1837	11089	1	65580	2.9	93.4	0	+∞	Si
835	-72500	9	-72500	1.9	124.5	28.3	1837	-53299	2	-53299	1.8	93.4	0	+∞	Si
862	-146709	9	-108137	2.8	124.5	42.3	1837	-116106	2	-83439	3.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	0	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	2	-0.001	2	9999	Si
57	0.001	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
115	0.007	0.004	0.006	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.01	2	0.01	2	9999	Si
172	0.016	0.012	0.014	0.01	0.012	0.012	0.01	0.01	0.012	0.012	0.027	2	0.027	2	9999	Si
230	0.026	0.02	0.023	0.018	0.021	0.02	0.018	0.018	0.021	0.02	0.047	2	0.047	2	9999	Si
259	0.031	0.025	0.027	0.022	0.025	0.025	0.022	0.022	0.025	0.025	0.057	2	0.057	2	9999	Si
316	0.041	0.033	0.036	0.029	0.033	0.033	0.029	0.029	0.033	0.033	0.077	2	0.076	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
374	0.049	0.04	0.043	0.035	0.04	0.04	0.035	0.035	0.04	0.04	0.093	2	0.093	2	9298	Si
431	0.054	0.045	0.048	0.04	0.045	0.045	0.04	0.04	0.045	0.045	0.104	2	0.104	2	8308	Si
489	0.056	0.047	0.05	0.042	0.047	0.047	0.042	0.042	0.047	0.047	0.109	2	0.109	2	7939	Si
546	0.055	0.046	0.049	0.041	0.046	0.046	0.041	0.041	0.046	0.046	0.107	1	0.107	1	8082	Si
604	0.05	0.042	0.045	0.037	0.042	0.042	0.038	0.037	0.042	0.042	0.098	1	0.098	1	8808	Si
661	0.042	0.035	0.038	0.032	0.036	0.036	0.032	0.032	0.036	0.036	0.083	1	0.083	1	9999	Si
690	0.037	0.031	0.033	0.028	0.032	0.031	0.028	0.028	0.032	0.031	0.073	1	0.073	1	9999	Si
747	0.026	0.022	0.023	0.019	0.022	0.022	0.019	0.019	0.022	0.022	0.051	1	0.05	1	9999	Si
805	0.013	0.011	0.011	0.01	0.011	0.011	0.01	0.01	0.011	0.011	0.025	1	0.025	1	9999	Si
835	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.012	1	0.012	1	9999	Si

Trave a "Piano 2" 32-4

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 32 - ?, sezione R 40x70, asta 1163

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4						-178695	LU 18	-144528	-1414397	0.086	Si
17	11.4	5.4	11.4	5.4						-123234	LU 18	-122297	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4						-112105	LU 18	-112105	-1414397	0.086	Si
33	11.4	5.4	11.4	5.4	-53616	LU 9	16591	1414397	0.086	-72161	LU 10	-112105	-1414397	0.086	Si
50	11.06	5.4	11.31	5.4	-13702	LU 9	62679	1403761	0.086	-26418	LU 10	-110123	-1373047	0.085	Si
58	10.67	5.4	10.76	5.4	5534	LU 9	84788	1337621	0.085	-4483	LU 10	-84320	-1326755	0.084	Si
75	9.88	5.4	9.64	5.4	51226	LU 18	127133	1205288	0.083	28859	LU 1	-37940	-1234133	0.083	Si
91	9.1	5.4	7.6	5.4	95456	LU 18	166982	963139	0.079						Si
108	7.6	5.4	7.6	5.4	137190	LU 18	204335	962923	0.078						Si
124	7.6	5.4	7.6	5.4	176429	LU 18	239193	962923	0.078						Si
141	7.6	5.4	7.6	5.4	213172	LU 18	271555	962923	0.078						Si
157	7.6	5.4	7.6	5.4	247419	LU 18	301421	962923	0.078						Si
174	7.6	5.4	7.6	5.4	279170	LU 18	328792	962923	0.078						Si
190	7.6	5.4	7.6	5.4	308426	LU 18	353666	962923	0.078						Si
199	7.6	5.4	7.6	5.4	322118	LU 18	365168	962923	0.078						Si
215	7.6	5.4	7.6	5.4	347630	LU 18	372639	962923	0.078						Si
233	7.6	5.4	7.6	5.4	372639	LU 18	372639	962923	0.078						Si
248	7.6	5.4	7.6	5.4	391166	LU 18	382390	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.27	0	3424	LU 18	3424	9752	68363	0	9752	1	Si
17	0	9.49	0	3274	LU 18	3274	9499	68363	0	9499	1	Si
20	0.086	9.49	0	3242	LU 18	3242	9499	68363	10004	10004	1	Si
33	0.086	7.6	0	3123	LU 18	3123	8821	68363	10004	10004	1	Si
50	0.086	7.6	0	2972	LU 18	2972	8821	68363	10004	10004	1	Si
58	0.086	7.6	0	2897	LU 18	2897	8821	68363	10004	10004	1	Si
75	0.086	7.6	0	2746	LU 18	2746	8821	68363	10004	10004	1	Si
91	0.082	7.6	0	2595	LU 18	2595	8821	68363	9539	9539	1	Si
108	0.082	7.6	0	2445	LU 18	2445	8821	68363	9539	9539	1	Si
124	0.082	7.6	0	2294	LU 18	2294	8821	68363	9539	9539	1	Si
141	0.082	7.6	0	2143	LU 18	2143	8821	68363	9539	9539	1	Si
157	0.082	7.6	0	1993	LU 18	1993	8821	68363	9539	9539	1	Si
174	0.072	7.6	0	1842	LU 18	1842	8821	68363	8336	8821	1	Si
190	0.072	7.6	0	1691	LU 18	1691	8821	68363	8336	8821	1	Si
199	0.072	7.6	0	1616	LU 18	1616	8821	68363	8336	8821	1	Si
215	0.072	7.6	0	1465	LU 18	1465	8821	68363	8336	8821	1	Si
233	0.072	7.6	0	1300	LU 18	1300	8821	68363	8336	8821	1	Si
248	0	7.6	0	1164	LU 18	1164	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-136682	9	-110692	4	124.5	164.8	1837	-131990	2	-107778	3.9	93.4	0	+∞	Si
17	-94505	9	-93793	3.4	124.5	139.6	1837	-92757	2	-92097	3.4	93.4	0	+∞	Si
20	-86044	9	-86044	3.1	124.5	128.1	1837	-84908	2	-84908	3.1	93.4	0	+∞	Si
33	-55509	1	-86044	3.1	124.5	128.1	1837	-55509	1	-84908	3.1	93.4	0	+∞	Si
50	-20322	1	-84538	3.1	124.5	129.7	1837	-20322	1	-83511	3.1	93.4	0	+∞	Si
58	2540	9	63449	1.8	124.5	100	1837								Si
58	-3448	1	-64861	1.8	124.5	103.1	1837	-3448	1	-64861	1.8	93.4	0	+∞	Si
75	37998	9	95537	3.8	124.5	167.5	1837	29442	2	81813	3.2	93.4	0	+∞	Si
91	71537	9	125706	3.2	124.5	48.7	1837	60036	2	109038	4.8	93.4	0	+∞	Si
108	103155	9	153955	4	124.5	60.2	1837	88711	2	134342	6	93.4	0	+∞	Si
124	132854	9	180283	4.7	124.5	70.5	1837	115466	2	157727	7.1	93.4	0	+∞	Si
141	160633	9	204692	5.3	124.5	80	1837	140301	2	179192	8	93.4	0	+∞	Si
157	186492	9	227182	5.9	124.5	88.8	1837	163216	2	198737	8.9	93.4	0	+∞	Si
174	210432	9	247751	6.5	124.5	96.8	1837	184211	2	216363	9.7	93.4	0	+∞	Si
190	232451	9	266401	6.9	124.5	104.1	1837	203287	2	232068	10.4	93.4	0	+∞	Si
199	242741	9	275005	7.2	124.5	107.5	1837	212104	2	239201	10.7	93.4	0	+∞	Si
215	261881	9	280588	7.3	124.5	109.7	1837	228300	2	243786	10.9	93.4	0	+∞	Si
233	280588	9	280588	7.3	124.5	109.7	1837	243786	2	243786	10.9	93.4	0	+∞	Si
248	294401	9	287870	7.5	124.5	112.5	1837	254932	2	249734	11.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
17	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
33	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2	0.001	2	9999	Si
50	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
58	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
75	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
91	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
108	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
124	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
141	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
157	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
174	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
190	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.006	2	0.005	2	9999	Si
199	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
215	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
233	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Campata 2 tra i fili ? - 15, sezione R 40x70, asta 1164

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	363758	LU 18	348573	962923	0.078						Si
12	7.6	5.4	7.6	5.4	338648	LU 18	338043	962923	0.078						Si
15	7.6	5.4	7.6	5.4	332406	LU 18	332406	962923	0.078						Si
24	7.6	5.4	7.6	5.4	312204	LU 18	332406	962923	0.078						Si
36	7.6	5.4	7.6	5.4	284426	LU 18	332406	962923	0.078						Si
48	7.6	5.4	7.6	5.4	255315	LU 18	322950	962923	0.078						Si
54	7.6	5.4	7.6	5.4	240259	LU 18	309495	962923	0.078						Si
67	7.6	5.4	7.6	5.4	209148	LU 18	281586	962923	0.078						Si
79	7.6	5.4	7.6	5.4	181350	LU 12	252343	962923	0.078						Si
91	7.6	5.4	7.6	5.4	152492	LU 12	221767	962923	0.078						Si
103	7.6	5.4	7.6	5.4	124614	LU 11	192530	962923	0.078	62558	LU 8	-13466	-962923	0.078	Si
115	7.6	5.4	7.6	5.4	95407	LU 11	164207	962923	0.078	31626	LU 8	-52458	-962923	0.078	Si
127	7.6	5.4	7.6	5.4	64865	LU 11	135934	962923	0.078	-332	LU 8	-95269	-962923	0.078	Si
139	7.6	5.4	7.6	5.4	35299	LU 2	107262	962923	0.078	-35625	LU 17	-114829	-962923	0.078	Si
145	7.6	5.4	7.6	5.4	22956	LU 2	92425	962923	0.078	-56597	LU 17	-114829	-962923	0.078	Si
157	7.6	5.4	7.6	5.4	-2498	LU 2	61752	962923	0.078	-99541	LU 17	-114829	-962923	0.078	Si
162	7.6	5.4	7.6	5.4	-11622	LU 2	50779	962923	0.078	-114829	LU 17	-114829	-962923	0.078	Si
169	7.6	5.4	7.6	5.4						-143818	LU 17	-137898	-962923	0.078	Si
182	7.6	5.4	7.6	5.4						-189429	LU 17	-151237	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-2170	LU 17	-2170	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-2280	LU 17	-2280	-8821	-68363	0	-8821	1	Si
15	0.062	7.6	0	-2307	LU 17	-2307	-8821	-68363	-7166	-8821	1	Si
24	0.062	7.6	0	-2391	LU 17	-2391	-8821	-68363	-7166	-8821	1	Si
36	0.062	7.6	0	-2501	LU 17	-2501	-8821	-68363	-7166	-8821	1	Si
48	0.062	7.6	0	-2611	LU 17	-2611	-8821	-68363	-7166	-8821	1	Si
54	0.062	7.6	0	-2666	LU 17	-2666	-8821	-68363	-7166	-8821	1	Si
67	0.062	7.6	0	-2776	LU 17	-2776	-8821	-68363	-7166	-8821	1	Si
79	0.062	7.6	0	-2886	LU 17	-2886	-8821	-68363	-7166	-8821	1	Si
91	0.062	7.6	0	-2997	LU 17	-2997	-8821	-68363	-7166	-8821	1	Si
103	0.062	7.6	0	-3107	LU 17	-3107	-8821	-68363	-7166	-8821	1	Si
115	0.062	7.6	0	-3217	LU 17	-3217	-8821	-68363	-7166	-8821	1	Si
127	0.062	7.6	0	-3327	LU 17	-3327	-8821	-68363	-7166	-8821	1	Si
139	0.062	7.6	0	-3437	LU 17	-3437	-8821	-68363	-7166	-8821	1	Si
145	0.062	7.6	0	-3492	LU 17	-3492	-8821	-68363	-7166	-8821	1	Si
157	0.062	7.6	0	-3602	LU 17	-3602	-8821	-68363	-7166	-8821	1	Si
162	0.062	7.6	0	-3641	LU 17	-3641	-8821	-68363	-7166	-8821	1	Si
169	0	7.6	0	-3713	LU 17	-3713	-8821	-68363	0	-8821	1	Si
182	0	7.6	0	-3823	LU 17	-3823	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	273900	9	262513	6.8	124.5	102.6	1837	238046	2	228893	10.3	93.4	0	+∞	Si
12	255059	9	254604	6.6	124.5	99.5	1837	222811	2	222440	10	93.4	0	+∞	Si
15	250371	9	250371	6.5	124.5	97.9	1837	218985	2	218985	9.8	93.4	0	+∞	Si
24	235192	9	250371	6.5	124.5	97.9	1837	206550	2	218985	9.8	93.4	0	+∞	Si
36	214299	9	250371	6.5	124.5	97.9	1837	189263	2	218985	9.8	93.4	0	+∞	Si
48	192380	9	243267	6.3	124.5	95.1	1837	170950	2	213178	9.6	93.4	0	+∞	Si
54	181035	9	233155	6.1	124.5	91.1	1837	161409	2	204869	9.2	93.4	0	+∞	Si
67	157578	9	212161	5.5	124.5	82.9	1837	141557	2	187481	8.4	93.4	0	+∞	Si
79	136193	3	190140	5	124.5	74.3	1837	120679	2	169066	7.6	93.4	0	+∞	Si
91	113964	3	167094	4.4	124.5	65.3	1837	98776	2	149626	6.7	93.4	0	+∞	Si
103	92252	2	144804	3.8	124.5	56.6	1837	75846	2	129160	5.8	93.4	0	+∞	Si
115	69516	2	122987	3.2	124.5	48.1	1837	51891	2	107669	4.8	93.4	0	+∞	Si
127	45755	2	101067	2.6	124.5	39.5	1837	26910	2	85151	3.8	93.4	0	+∞	Si
139	20967	2	78743	2.1	124.5	30.8	1837	903	2	61607	2.8	93.4	0	+∞	Si
139	-24776	8	-84479	2.2	124.5	33	1837	-7696	1	-59447	2.7	93.4	0	+∞	Si
145	8189	2	67196	1.8	124.5	26.3	1837								Si
145	-40577	8	-84479	2.2	124.5	33	1837	-21346	1	-59447	2.7	93.4	0	+∞	Si
157	-72949	8	-84479	2.2	124.5	33	1837	-49414	1	-59447	2.7	93.4	0	+∞	Si
162	-84479	8	-84479	2.2	124.5	33	1837	-59447	1	-59447	2.7	93.4	0	+∞	Si
169	-106346	8	-101878	2.7	124.5	39.8	1837	-78509	1	-74594	3.3	93.4	0	+∞	Si
182	-140770	8	-111938	2.9	124.5	43.8	1837	-108629	1	-83352	3.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
12	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
15	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
24	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
36	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
48	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
54	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
67	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
79	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
91	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
103	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
115	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
127	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
139	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
145	0.001	0	0.001	0	0.001	0	0	0	0	0	0.001	2	0.001	2	9999	Si
157	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
162	0	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
169	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Campata 3 tra i fili 15 - 4, sezione R 40x70, asta 1165

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-223914	LU 17	-193423	-962923	0.078	Si
20	7.6	5.4	7.6	5.4						-168749	LU 17	-168749	-962923	0.078	Si
45	7.6	5.4	7.6	5.4	-13094	LU 2	22419	962923	0.078	-104664	LU 17	-168749	-962923	0.078	Si
68	7.6	5.4	7.6	5.4	15286	LU 2	49709	962923	0.078	-53182	LU 17	-120358	-962923	0.078	Si
91	7.6	5.4	7.6	5.4	41374	LU 11	76322	962923	0.078	-9012	LU 8	-67343	-962923	0.078	Si
102	7.6	5.4	7.6	5.4	56126	LU 11	87593	962923	0.078	7764	LU 8	-42870	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	81558	LU 11	106063	962923	0.078	38185	LU 8	-1714	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	101562	LU 11	122447	962923	0.078						Si
170	7.6	5.4	7.6	5.4	117343	LU 18	137900	962923	0.078						Si
193	7.6	5.4	7.6	5.4	134051	LU 18	152566	962923	0.078						Si
215	7.6	5.4	7.6	5.4	149140	LU 17	161803	962923	0.078						Si
238	7.6	5.4	7.6	5.4	159910	LU 17	165612	962923	0.078						Si
261	7.6	5.4	7.6	5.4	165252	LU 17	165888	962923	0.078						Si
272	7.6	5.4	7.6	5.4	165888	LU 17	165888	962923	0.078						Si
295	7.6	5.4	10.48	5.4	163088	LU 17	165888	1305077	0.084						Si
320	7.6	5.4	11.4	5.4	153413	LU 17	163773	1414576	0.086						Si
340	7.6	5.4	11.4	5.4	141203	LU 17	141203	1414576	0.086						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2664	LU 17	2664	8821	68363	0	8821	1	Si
20	0.06	7.6	0	2467	LU 17	2467	8821	68363	7003	8821	1	Si
45	0.06	7.6	0	2219	LU 17	2219	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	1997	LU 17	1997	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	1775	LU 17	1775	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	1663	LU 17	1663	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	1441	LU 17	1441	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	1219	LU 17	1219	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	997	LU 17	997	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	774	LU 17	774	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	552	LU 17	552	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	-35	LU 2	-35	-8821	-68363	-7003	-8821	1	Si
238	0.06	7.6	0	330	LU 17	330	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	-206	LU 2	-206	-8821	-68363	-7003	-8821	1	Si
261	0.06	7.6	0	134	LU 8	134	8821	68363	7003	8821	1	Si
261	0.06	7.6	0	-403	LU 11	-403	-8821	-68363	-7003	-8821	1	Si
272	0.06	7.6	0	49	LU 8	49	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	-514	LU 11	-514	-8821	-68363	-7003	-8821	1	Si
295	0.06	7.6	0	-737	LU 11	-737	-8821	-68363	-7003	-8821	1	Si
320	0.06	7.6	0	-985	LU 11	-985	-8821	-68363	-7003	-8821	1	Si
340	0	7.6	0	-1181	LU 11	-1181	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-168436	8	-145247	3.8	124.5	56.8	1837	-143705	1	-122234	5.5	93.4	0	+∞	Si
20	-126495	8	-126495	3.3	124.5	49.4	1837	-104971	1	-104971	4.7	93.4	0	+∞	Si
45	-77825	8	-126495	3.3	124.5	49.4	1837	-60362	1	-104971	4.7	93.4	0	+∞	Si
68	1873	2	35035	0.9	124.5	13.7	1837								Si
68	-38782	8	-89739	2.3	124.5	35.1	1837	-24953	1	-71249	3.2	93.4	0	+∞	Si
91	28420	2	56227	1.5	124.5	22	1837	12922	2	44935	2	93.4	0	+∞	Si
91	-3915	8	-49517	1.3	124.5	19.4	1837								Si
102	40128	2	65258	1.7	124.5	25.5	1837	26269	2	55605	2.5	93.4	0	+∞	Si
125	60412	2	80187	2.1	124.5	31.3	1837	49833	2	73814	3.3	93.4	0	+∞	Si
147	76521	2	93167	1.8	124.5	36.4	1837	69221	2	87847	3.9	93.4	0	+∞	Si
170	89257	9	104971	2.7	124.5	41	1837	84434	2	97784	4.4	93.4	0	+∞	Si
193	102054	9	115693	3	124.5	45.2	1837	95471	2	104872	4.7	93.4	0	+∞	Si
215	113216	8	122240	3.2	124.5	47.8	1837	103421	1	107783	4.8	93.4	0	+∞	Si
238	120942	8	124610	3.2	124.5	48.7	1837	107512	1	107992	4.8	93.4	0	+∞	Si
261	124492	8	124701	3.2	124.5	48.7	1837	107428	1	107992	4.8	93.4	0	+∞	Si
272	124701	8	124701	3.2	124.5	48.7	1837	105820	1	107992	4.8	93.4	0	+∞	Si
295	121988	8	124701	5	124.5	202.1	1837	99473	1	106729	4.2	93.4	0	+∞	Si
320	113921	8	122608	4.7	124.5	183.2	1837	87344	1	100692	3.9	93.4	0	+∞	Si
340	104036	8	104036	4	124.5	155.4	1837	74252	1	74252	2.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
45	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
68	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
91	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
102	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
125	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
147	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
170	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
193	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
204	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
215	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
238	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
261	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
272	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	1	0.005	1	9999	Si
295	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
320	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si

Trave a "Piano 2" 36C-(3031; 3566)

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 36C - ?, sezione R 40x70, asta 1210

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	38.01	7.8	26.61	5.4						-572062	LU 11	-498421	-4379476	0.116	Si
22	38.01	7.8	26.61	5.4						-495898	LU 11	-481324	-4379476	0.116	Si
40	38.01	7.8	26.61	5.4						-440149	LU 11	-440149	-4379476	0.116	Si
65	38.01	7.8	26.61	5.4						-375877	LU 11	-440149	-4379476	0.116	Si
87	37.17	7.8	26.61	5.4	-231631	LU 1	13403	3249263	0.136	-337278	LU 18	-393622	-4286448	0.115	Si
97	35.13	7.7	26.61	5.4	-218940	LU 1	43968	3248836	0.136	-326198	LU 18	-368508	-4061646	0.112	Si
119	31.04	7.4	24.03	5.4	-199774	LU 1	91935	2960313	0.13	-312538	LU 18	-333770	-3611414	0.109	Si
141	22.81	6.7	15.21	5.4	-188898	LU 1	122345	1926700	0.103	-310216	LU 18	-325220	-2703958	0.105	Si
162	22.81	6.7	15.21	5.4	-186314	LU 1	135195	1926700	0.103	-319233	LU 18	-349454	-2703958	0.105	Si
184	22.81	6.7	15.21	5.4	-192023	LU 1	130482	1926700	0.103	-339591	LU 18	-385032	-2703958	0.105	Si
206	22.81	6.7	15.21	5.4	-206028	LU 1	108203	1926700	0.103	-371293	LU 18	-431958	-2703958	0.105	Si
227	22.81	6.7	15.21	5.4	-228329	LU 1	68353	1926700	0.103	-414340	LU 18	-490232	-2703958	0.105	Si
249	22.81	6.7	15.21	5.4	-258927	LU 1	10929	1926700	0.103	-468736	LU 18	-559857	-2703958	0.105	Si
260	22.81	6.7	15.21	5.4						-500191	LU 18	-598927	-2703958	0.105	Si
282	22.81	6.7	15.21	5.4						-571613	LU 18	-661412	-2703958	0.105	Si
305	22.81	6.7	15.21	5.4						-661412	LU 18	-661412	-2703958	0.105	Si
325	22.81	6.7	15.21	5.4						-748522	LU 18	-703617	-2703958	0.105	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	38.01	0	3853	LU 11	3853	14807	65823	0	14807	1	Si
22	0	37.17	0	3344	LU 11	3344	14697	65823	0	14697	1	Si
40	0.187	35.13	0	2914	LU 11	2914	14422	65823	20869	20869	1	Si
65	0.187	29	0	2326	LU 11	2326	13530	65823	20869	20869	1	Si
87	0.187	22.81	0	1817	LU 11	1817	12493	65862	20882	20882	1	Si
97	0.187	22.81	0	1563	LU 11	1563	12502	65962	20913	20913	1	Si
119	0.185	22.81	0	1054	LU 11	1054	12524	66203	20796	20796	1	Si
141	0.185	22.81	0	544	LU 11	544	12593	66952	21031	21031	1	Si
141	0.185	22.81	0	-345	LU 8	-345	-12593	-66952	-21031	-21031	1	Si
162	0.185	22.81	0	57	LU 2	57	12593	66952	21031	21031	1	Si
162	0.185	22.81	0	-786	LU 17	-786	-12593	-66952	-21031	-21031	1	Si
184	0.185	22.81	0	-1322	LU 17	-1322	-12593	-66952	-21031	-21031	1	Si
206	0.185	22.81	0	-1858	LU 17	-1858	-12593	-66952	-21031	-21031	1	Si
227	0.185	22.81	0	-2394	LU 17	-2394	-12593	-66952	-21031	-21031	1	Si
249	0.201	22.81	0	-2930	LU 17	-2930	-12593	-66952	-22860	-22860	1	Si
260	0.201	22.81	0	-3198	LU 17	-3198	-12593	-66952	-22860	-22860	1	Si
282	0.201	22.81	0	-3734	LU 17	-3734	-12593	-66952	-22860	-22860	1	Si
305	0.201	22.81	0	-4312	LU 17	-4312	-12593	-66952	-22860	-22860	1	Si
325	0	22.81	0	-4808	LU 17	-4808	-12593	-66952	0	-12593	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-435741	2	-379350	8.4	124.5	193.3	1837	-416141	2	-360917	8	93.4	0	+∞	Si
22	-377437	2	-366277	8.1	124.5	186.6	1837	-359132	2	-348203	7.7	93.4	0	+∞	Si
40	-334794	2	-334794	7.4	124.5	170.6	1837	-317584	2	-317584	7	93.4	0	+∞	Si
65	-285682	2	-334794	7.4	124.5	170.6	1837	-269966	2	-317584	7	93.4	0	+∞	Si
87	-255736	9	-299235	6.6	124.5	155.5	1837	-237812	2	-283076	6.3	93.4	0	+∞	Si
97	-246657	9	-280059	6.3	124.5	152.8	1837	-224843	2	-264548	5.9	93.4	0	+∞	Si
119	-234995	9	-252862	6	124.5	154.1	1837	-205122	2	-233706	5.6	93.4	0	+∞	Si
141	-231997	9	-241821	6.9	124.5	194	1837	-193692	2	-211153	6	93.4	0	+∞	Si
162	-237664	9	-259116	7.4	124.5	207.8	1837	-190553	2	-199595	5.7	93.4	0	+∞	Si
184	-251997	9	-285080	8.1	124.5	228.6	1837	-195708	2	-215879	6.1	93.4	0	+∞	Si
206	-274999	9	-319715	9.1	124.5	256.4	1837	-209158	2	-240461	6.8	93.4	0	+∞	Si
227	-306671	9	-363022	10.3	124.5	291.2	1837	-230904	2	-273340	7.8	93.4	0	+∞	Si
249	-347015	9	-415004	11.8	124.5	332.9	1837	-260948	2	-314520	9	93.4	0	+∞	Si
260	-370439	9	-444248	12.6	124.5	356.3	1837	-279082	2	-338223	9.6	93.4	0	+∞	Si
282	-423794	9	-491097	14	124.5	393.9	1837	-321576	2	-376757	10.7	93.4	0	+∞	Si
305	-491097	9	-491097	14	124.5	393.9	1837	-376757	2	-376757	10.7	93.4	0	+∞	Si
325	-556534	9	-522770	14.9	124.5	419.3	1837	-431469	2	-403020	11.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara	Frequente	Quasi permanente	Verifica

	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
22	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
40	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.007	1	-0.007	1	9999	Si
65	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.01	1	-0.01	1	9999	Si
87	-0.006	-0.008	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.012	1	-0.013	1	9999	Si
97	-0.007	-0.008	-0.006	-0.007	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.013	1	-0.014	1	9999	Si
119	-0.007	-0.009	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.015	1	-0.015	1	9999	Si
141	-0.008	-0.01	-0.007	-0.009	-0.008	-0.008	-0.007	-0.007	-0.008	-0.008	-0.016	1	-0.016	1	9999	Si
162	-0.008	-0.01	-0.007	-0.009	-0.008	-0.008	-0.007	-0.008	-0.008	-0.008	-0.016	1	-0.016	1	9999	Si
173	-0.008	-0.01	-0.007	-0.009	-0.008	-0.008	-0.007	-0.008	-0.008	-0.008	-0.016	1	-0.016	1	9999	Si
184	-0.008	-0.01	-0.007	-0.009	-0.008	-0.008	-0.007	-0.007	-0.008	-0.008	-0.016	1	-0.016	1	9999	Si
206	-0.007	-0.009	-0.007	-0.009	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.015	1	-0.016	1	9999	Si
227	-0.007	-0.009	-0.006	-0.008	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.014	1	-0.014	1	9999	Si
249	-0.006	-0.008	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.012	1	-0.013	1	9999	Si
260	-0.005	-0.007	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.011	1	-0.011	1	9999	Si
282	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.008	1	-0.009	1	9999	Si
305	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si

Campata 2 tra i fili ? - ?, sezione R 40x70, asta 1211

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	15.21	5.4						-1339250	LU 18	-1236804	-2703958	0.105	Si
17	22.81	6.7	15.21	5.4						-1172259	LU 18	-1169191	-2703958	0.105	Si
20	22.81	6.7	15.21	5.4						-1142294	LU 18	-1142294	-2703958	0.105	Si
34	22.81	6.7	15.21	5.4						-1008744	LU 18	-1142294	-2703958	0.105	Si
51	22.81	6.7	15.21	5.4						-848682	LU 18	-1125981	-2703958	0.105	Si
59	22.81	6.7	15.21	5.4						-769947	LU 18	-1044277	-2703958	0.105	Si
76	22.81	6.7	15.21	5.4	-368149	LU 1	16706	1926700	0.103	-615067	LU 18	-883461	-2703958	0.105	Si
93	22.81	6.7	15.21	5.4	-277971	LU 1	29364	1926700	0.103	-463641	LU 18	-726100	-2703958	0.105	Si
110	21.13	6.7	15.21	5.4	-189916	LU 1	37106	1919945	0.102	-315670	LU 18	-572192	-2512194	0.102	Si
127	17.94	6.6	15.21	5.4	-103985	LU 1	76600	1907187	0.101	-171153	LU 18	-421739	-2147481	0.096	Si
144	14.75	6.4	15.21	5.4	-15371	LU 8	210217	1894425	0.1	-38611	LU 11	-274741	-1782452	0.091	Si
161	7.6	5.4	15.21	5.4	114674	LU 17	340379	1865528	0.096	51284	LU 2	-131196	-963633	0.08	Si
178	7.6	5.4	15.21	5.4	247318	LU 17	467087	1865528	0.096	133001	LU 2	-8804	-963633	0.08	Si
186	7.6	5.4	15.21	5.4	312344	LU 17	529145	1865528	0.096						Si
203	11.84	5.4	15.21	5.4	439806	LU 17	650671	1865001	0.092						Si
220	13.43	5.4	15.21	5.4	563815	LU 17	697731	1864918	0.091						Si
239	15.21	5.4	15.21	5.4	697731	LU 17	697731	1864772	0.091						Si
254	15.21	5.4	15.21	5.4	802618	LU 18	749191	1864772	0.091						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	9709	LU 18	9709	12593	66952	0	12593	1	Si
17	0	22.81	0	9487	LU 18	9487	12593	66952	0	12593	1	Si
20	0.129	22.81	0	9451	LU 18	9451	12593	66952	14696	14696	1	Si
34	0.129	22.81	0	9289	LU 18	9289	12593	66952	14696	14696	1	Si
51	0.129	21.13	0	9091	LU 18	9091	12276	66952	14696	14696	1	Si
59	0.129	19.54	0	8991	LU 18	8991	11959	66952	14696	14696	1	Si
76	0.129	16.35	0	8793	LU 18	8793	11269	66952	14696	14696	1	Si
93	0.115	7.6	0	8595	LU 18	8595	8731	66952	13064	13064	1	Si
110	0.115	7.6	0	8396	LU 18	8396	8735	67008	13075	13075	1	Si
127	0.115	11.04	0	8198	LU 18	8198	9901	67143	13101	13101	1	Si
144	0.115	12.63	0	8000	LU 18	8000	10371	67337	13139	13139	1	Si
161	0.115	15.21	0	7801	LU 18	7801	11113	68363	13339	13339	1	Si
178	0.115	15.21	0	7603	LU 18	7603	11113	68363	13338	13338	1	Si
186	0.115	15.21	0	7504	LU 18	7504	11113	68363	13338	13338	1	Si
203	0.115	15.21	0	7306	LU 18	7306	11113	68363	13338	13338	1	Si
220	0.115	15.21	0	7107	LU 18	7107	11113	68363	13338	13338	1	Si
239	0.115	15.21	0	6887	LU 18	6887	11113	68363	13338	13338	1	Si
254	0	15.21	0	6711	LU 18	6711	11113	68363	0	11113	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-999533	9	-923074	26.3	124.5	740.3	1837	-806390	2	-744917	21.2	93.4	0	+∞	Si
17	-874906	9	-872616	24.8	124.5	699.9	1837	-706209	2	-704370	20.1	93.4	0	+∞	Si
20	-852543	9	-852543	24.3	124.5	683.8	1837	-688240	2	-688240	19.6	93.4	0	+∞	Si
34	-752880	9	-852543	24.3	124.5	683.8	1837	-608167	2	-688240	19.6	93.4	0	+∞	Si
51	-633441	9	-840369	23.9	124.5	674	1837	-512248	2	-678457	19.3	93.4	0	+∞	Si
59	-574691	9	-779397	22.2	124.5	625.1	1837	-465085	2	-629470	17.9	93.4	0	+∞	Si
76	-459131	9	-659393	18.8	124.5	528.9	1837	-372351	2	-533087	15.2	93.4	0	+∞	Si
93	-346157	9	-541975	15.4	124.5	434.7	1837	-281741	2	-438828	12.5	93.4	0	+∞	Si
110	-235769	9	-427143	11.8	124.5	367.6	1837	-193255	2	-346692	10.1	93.4	0	+∞	Si
127	-127967	9	-314897	9.6	124.5	315.3	1837	-106892	2	-256680	7.8	93.4	0	+∞	Si
144	-28431	2	-205237	6.7	124.5	246.2	1837	-22653	2	-168792	5.5	93.4	0	+∞	Si
161	84650	8	253166	8.9	124.5	286.9	1837	61507	1	196852	6.9	93.4	0	+∞	Si
178	183687	8	347759	12.2	124.5	394.1	1837	141067	1	272764	9.5	93.4	0	+∞	Si
186	232236	8	394086	13.8	124.5	446.6	1837	180051	1	309923	10.8	93.4	0	+∞	Si
203	327394	8	484801	15.9	124.5	546.6	1837	256426	1	382649	12.6	93.4	0	+∞	Si
220	419967	8	519927	16.7	124.5	585.2	1837	330678	1	410796	13.2	93.4	0	+∞	Si
239	519927	8	519927	16.3	124.5	584.2	1837	410796	1	410796	12.9	93.4	0	+∞	Si
254	598120	9	558300	17.5	124.5	627.3	1837	473139	2	441425	13.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
17	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
20	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
34	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
51	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.007	1	-0.007	1	9999	Si
59	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.007	1	-0.008	1	9999	Si
68	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
76	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
93	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.007	1	-0.007	1	9999	Si
110	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.006	1	-0.006	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
127	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	1	-0.005	1	9999	Si
144	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
161	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
178	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	1	-0.001	1	9999	Si
186	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
203	0.001	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
220	0.001	0	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
239	0.001	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si

Campata 3 tra i fili ? - 39, sezione R 40x70, asta 1212

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	778831	LU 18	778831	1864772	0.091						Si
15	15.21	5.4	15.21	5.4	798225	LU 18	828642	1864772	0.091						Si
34	13.39	5.4	15.21	5.4	819775	LU 18	843696	1864906	0.091						Si
69	7.6	5.4	15.21	5.4	847363	LU 18	859947	1865528	0.096						Si
103	7.6	5.4	15.21	5.4	861594	LU 18	863701	1865528	0.096						Si
137	7.6	5.4	15.21	5.4	862469	LU 18	863701	1865528	0.096						Si
154	7.6	5.4	15.21	5.4	857898	LU 18	863329	1865528	0.096						Si
188	7.6	5.4	15.21	5.4	838738	LU 18	855505	1865528	0.096						Si
223	7.6	5.4	15.21	5.4	806222	LU 18	834325	1865528	0.096						Si
257	7.6	5.4	15.21	5.4	760349	LU 18	799789	1865528	0.096						Si
291	7.6	5.4	15.21	5.4	701121	LU 18	751896	1865528	0.096						Si
325	7.6	5.4	15.21	5.4	628537	LU 18	690648	1865528	0.096						Si
360	7.6	5.4	15.21	5.4	542596	LU 18	616043	1865528	0.096						Si
377	7.6	5.4	15.21	5.4	494618	LU 18	573732	1865528	0.096						Si
411	7.6	5.4	15.21	5.4	388644	LU 18	479094	1865528	0.096						Si
445	7.6	5.4	13.69	5.4	269315	LU 18	371100	1686010	0.092						Si
480	7.6	5.4	10.49	5.4	141420	LU 14	249751	1306619	0.084						Si
486	7.6	5.4	11.4	5.4	118274	LU 14	224258	1414576	0.086						Si
514	7.6	5.4	11.4	5.4	23634	LU 3	23634	1414576	0.086	-28598	LU 15	-28598	-963377	0.08	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	1484	LU 16	1484	11113	68363	0	11113	1	Si
15	0.062	15.21	0	1313	LU 16	1313	11113	68363	7182	11113	1	Si
34	0.062	15.21	0	1094	LU 16	1094	11113	68363	7182	11113	1	Si
69	0.062	15.21	0	704	LU 16	704	11113	68363	7182	11113	1	Si
103	0.062	15.21	0	314	LU 16	314	11113	68363	7182	11113	1	Si
103	0.062	15.21	0	-5	LU 4	-5	-11113	-68363	-7182	-11113	1	Si
137	0.062	15.21	0	-261	LU 13	-261	-11113	-68363	-7182	-11113	1	Si
154	0.062	15.21	0	-417	LU 13	-417	-11113	-68363	-7182	-11113	1	Si
188	0.062	15.21	0	-782	LU 17	-782	-11113	-68363	-7182	-11113	1	Si
223	0.062	15.21	0	-1172	LU 17	-1172	-11113	-68363	-7182	-11113	1	Si
257	0.062	15.21	0	-1562	LU 17	-1562	-11113	-68363	-7182	-11113	1	Si
291	0.062	15.21	0	-1952	LU 17	-1952	-11113	-68363	-7182	-11113	1	Si
325	0.062	15.21	0	-2342	LU 17	-2342	-11113	-68363	-7182	-11113	1	Si
360	0.062	15.21	0	-2732	LU 17	-2732	-11113	-68363	-7182	-11113	1	Si
377	0.062	13.69	0	-2926	LU 17	-2926	-10731	-68363	-7182	-10731	1	Si
411	0.062	10.49	0	-3316	LU 17	-3316	-9821	-68363	-7182	-9821	1	Si
445	0.062	11.4	0	-3706	LU 17	-3706	-10097	-68363	-7182	-10097	1	Si
480	0.062	11.4	0	-4096	LU 17	-4096	-10097	-68363	-7182	-10097	1	Si
486	0.062	11.4	0	-4173	LU 17	-4173	-10097	-68363	-7182	-10097	1	Si
514	0	7.6	0	-4480	LU 17	-4480	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	580345	9	580345	18.2	124.5	652.1	1837	458616	2	458616	14.4	93.4	0	+∞	Si
15	594959	9	617915	19.4	124.5	694.3	1837	471367	2	491672	15.4	93.4	0	+∞	Si
34	611215	9	629306	20.2	124.5	708.3	1837	485678	2	501989	16.1	93.4	0	+∞	Si
69	632084	9	641689	21.8	124.5	727.3	1837	504530	2	513870	18	93.4	0	+∞	Si
103	642955	9	644640	22.5	124.5	730.6	1837	515169	2	517540	18.1	93.4	0	+∞	Si
137	643826	9	644640	22.5	124.5	730.6	1837	517597	2	517597	18.1	93.4	0	+∞	Si
154	640512	9	644394	22.5	124.5	730.3	1837	515731	2	517597	18.1	93.4	0	+∞	Si
188	626384	9	638753	22.3	124.5	723.9	1837	505842	2	514546	18	93.4	0	+∞	Si
223	602257	9	623113	21.8	124.5	706.2	1837	487740	2	503414	17.6	93.4	0	+∞	Si
257	568132	9	597474	20.9	124.5	677.2	1837	461427	2	484071	16.9	93.4	0	+∞	Si
291	524007	9	561836	19.7	124.5	636.8	1837	426903	2	456516	16	93.4	0	+∞	Si
325	469884	9	516199	18.1	124.5	585	1837	384167	2	420749	14.7	93.4	0	+∞	Si
360	405762	9	460563	16.1	124.5	522	1837	333219	2	376771	13.2	93.4	0	+∞	Si
377	369951	9	428996	15	124.5	486.2	1837	304666	2	351703	12.3	93.4	0	+∞	Si
411	290831	9	358362	12.5	124.5	406.2	1837	241400	2	295407	10.3	93.4	0	+∞	Si
445	201712	9	277729	10.1	124.5	348.1	1837	169923	2	230900	8.4	93.4	0	+∞	Si
480	105788	5	187098	7.4	124.5	302.8	1837	90235	2	158181	6.3	93.4	0	+∞	Si
486	88094	5	168056	6.5	124.5	251.1	1837	73315	2	142880	5.5	93.4	0	+∞	Si
514	15137	3	15137	0.6	124.5	22.6	1837	2335	2	2335	0.1	93.4	0	+∞	Si
514	-19313	6	-19313	0.5	124.5	7.4	1837	-1859	1	-1859	0.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
15	0.007	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.011	2	0.011	2	9999	Si
34	0.014	0.012	0.013	0.01	0.012	0.012	0.01	0.01	0.012	0.012	0.025	2	0.025	2	9999	Si
69	0.027	0.021	0.023	0.019	0.022	0.021	0.019	0.019	0.021	0.021	0.046	2	0.046	2	9999	Si
103	0.036	0.029	0.032	0.026	0.03	0.029	0.026	0.026	0.029	0.029	0.063	2	0.063	2	8105	Si
137	0.044	0.035	0.039	0.031	0.036	0.035	0.032	0.031	0.036	0.035	0.077	2	0.076	2	6693	Si
154	0.047	0.038	0.041	0.033	0.039	0.038	0.034	0.033	0.038	0.038	0.082	2	0.082	2	6270	Si
188	0.051	0.041	0.045	0.036	0.042	0.041	0.037	0.036	0.041	0.041	0.089	2	0.089	2	5753	Si
223	0.053	0.043	0.046	0.037	0.044	0.043	0.038	0.037	0.043	0.043	0.093	2	0.092	2	5541	Si
240	0.053	0.043	0.047	0.038	0.044	0.043	0.038	0.038	0.043	0.043	0.093	2	0.093	2	5524	Si
257	0.053	0.043	0.046	0.037	0.044	0.043	0.038	0.037	0.043	0.043	0.092	2	0.092	2	5562	Si
291	0.05	0.041	0.044	0.036	0.042	0.041	0.037	0.036	0.041	0.041	0.088	2	0.088	2	5810	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
325	0.046	0.037	0.041	0.033	0.038	0.037	0.034	0.033	0.038	0.037	0.081	2	0.081	2	6330	Si
360	0.04	0.033	0.035	0.029	0.033	0.033	0.029	0.029	0.033	0.033	0.071	2	0.07	2	7245	Si
377	0.037	0.03	0.032	0.026	0.031	0.03	0.027	0.026	0.03	0.03	0.065	2	0.064	2	7929	Si
411	0.029	0.023	0.025	0.02	0.024	0.023	0.021	0.02	0.024	0.023	0.051	2	0.05	2	9999	Si
445	0.02	0.016	0.017	0.014	0.016	0.016	0.014	0.014	0.016	0.016	0.035	2	0.035	2	9999	Si
480	0.01	0.008	0.009	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.018	2	0.018	2	9999	Si
486	0.008	0.006	0.007	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.014	2	0.014	2	9999	Si

Trave a "Piano 2" 39-5

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 39 - 33, sezione R 40x70, asta 1154

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	308959	LU 17	297409	1414397	0.086						Si
19	11.4	5.4	11.4	5.4	291863	LU 17	290615	1414397	0.086						Si
28	11.4	5.4	11.4	5.4	282403	LU 17	282403	1414397	0.086						Si
37	11.4	5.4	11.4	5.4	271626	LU 17	282403	1414397	0.086						Si
56	11.13	5.4	11.4	5.4	248274	LU 17	282403	1414409	0.086						Si
74	10.26	5.4	10.33	5.4	221806	LU 17	261943	1286994	0.084						Si
83	9.83	5.4	9.71	5.4	207403	LU 17	249988	1213055	0.083						Si
93	9.39	5.4	7.6	5.4	192222	LU 17	237254	963175	0.079						Si
102	7.6	5.4	7.6	5.4	176261	LU 17	223742	962923	0.078						Si
120	7.6	5.4	7.6	5.4	142004	LU 17	194379	962923	0.078						Si
139	7.6	5.4	7.6	5.4	104631	LU 17	161901	962923	0.078						Si
157	7.6	5.4	7.6	5.4	64143	LU 17	126307	962923	0.078	38241	LU 2	-11943	-962923	0.078	Si
176	7.6	5.4	7.6	5.4	22189	LU 15	87598	962923	0.078	9061	LU 5	-58896	-962923	0.078	Si
194	9.47	5.4	7.6	5.4	-15937	LU 7	45773	963184	0.079	-31624	LU 13	-109018	-1185151	0.082	Si
213	10.34	5.4	7.6	5.4	-47411	LU 2	3812	963279	0.079	-79966	LU 13	-162255	-1288757	0.084	Si
222	10.78	5.4	7.6	5.4						-105306	LU 13	-190042	-1340554	0.085	Si
241	11.4	5.4	7.6	5.4						-158322	LU 13	-209850	-1414576	0.086	Si
258	11.4	5.4	7.6	5.4						-209850	LU 13	-209850	-1414576	0.086	Si
259	11.4	5.4	7.6	5.4						-214453	LU 13	-214322	-1414576	0.086	Si
278	11.4	5.4	7.6	5.4						-274977	LU 17	-241361	-1414576	0.086	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.95	0	-838	LU 17	-838	-9962	-68363	0	-9962	1	Si
19	0	9.71	0	-1009	LU 17	-1009	-9569	-68363	0	-9569	1	Si
28	0.101	7.6	0	-1091	LU 17	-1091	-8821	-68363	-11671	-11671	1	Si
37	0.101	7.6	0	-1178	LU 17	-1178	-8821	-68363	-11671	-11671	1	Si
56	0.101	7.6	0	-1346	LU 17	-1346	-8821	-68363	-11671	-11671	1	Si
74	0.101	7.6	0	-1515	LU 17	-1515	-8821	-68363	-11671	-11671	1	Si
83	0.101	7.6	0	-1599	LU 17	-1599	-8821	-68363	-11671	-11671	1	Si
102	0.112	7.6	0	-1767	LU 17	-1767	-8821	-68363	-12960	-12960	1	Si
120	0.112	7.6	0	-1936	LU 17	-1936	-8821	-68363	-12960	-12960	1	Si
139	0.112	7.6	0	-2104	LU 17	-2104	-8821	-68363	-12960	-12960	1	Si
157	0.112	7.6	0	-2272	LU 17	-2272	-8821	-68363	-12960	-12960	1	Si
176	0.112	7.6	0	-2441	LU 17	-2441	-8821	-68363	-12960	-12960	1	Si
194	0.115	7.6	0	-2609	LU 17	-2609	-8821	-68363	-13338	-13338	1	Si
213	0.115	7.6	0	-2777	LU 17	-2777	-8821	-68363	-13338	-13338	1	Si
222	0.115	7.6	0	-2862	LU 17	-2862	-8821	-68363	-13338	-13338	1	Si
241	0.115	7.6	0	-3030	LU 17	-3030	-8821	-68363	-13338	-13338	1	Si
258	0.115	9.47	0	-3185	LU 17	-3185	-9491	-68363	-13338	-13338	1	Si
259	0	9.47	0	-3198	LU 17	-3198	-9491	-68363	0	-9491	1	Si
278	0	10.34	0	-3367	LU 17	-3367	-9774	-68363	0	-9774	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	229796	8	221497	8.1	124.5	329.7	1837	178676	1	174182	6.4	93.4	0	+∞	Si
19	217434	8	216536	7.9	124.5	322.3	1837	171436	1	170946	6.2	93.4	0	+∞	Si
28	210540	8	210540	7.7	124.5	313.4	1837	167034	1	167034	6.1	93.4	0	+∞	Si
37	202655	8	210540	7.7	124.5	313.4	1837	161784	1	167034	6.1	93.4	0	+∞	Si
56	185481	8	210540	7.7	124.5	313.5	1837	149735	1	167034	6.1	93.4	0	+∞	Si
74	165909	8	195545	7.5	124.5	320.6	1837	135290	1	156873	6	93.4	0	+∞	Si
83	155225	8	186744	7.4	124.5	325.3	1837	127169	1	150634	6	93.4	0	+∞	Si
102	132058	8	167342	4.4	124.5	65.4	1837	109129	1	136359	6.1	93.4	0	+∞	Si
120	106495	8	145545	3.8	124.5	56.9	1837	88692	1	119688	5.4	93.4	0	+∞	Si
139	78535	8	121350	3.2	124.5	47.4	1837	65859	1	100620	4.5	93.4	0	+∞	Si
157	48179	8	94759	2.5	124.5	37	1837	40629	1	79155	3.6	93.4	0	+∞	Si
176	16526	6	65771	1.7	124.5	25.7	1837	13003	1	55294	2.5	93.4	0	+∞	Si
194	-23352	4	-81887	3.4	124.5	146.3	1837	-17021	1	-69066	2.9	93.4	0	+∞	Si
213	-59903	4	-122203	4.9	124.5	200.6	1837	-49441	1	-105251	4.2	93.4	0	+∞	Si
222	-79077	4	-143260	5.6	124.5	225.9	1837	-66549	1	-124242	4.9	93.4	0	+∞	Si
241	-119223	4	-158276	6.1	124.5	236.5	1837	-102564	1	-137821	5.3	93.4	0	+∞	Si
258	-158276	4	-158276	6.1	124.5	236.5	1837	-137821	1	-137821	5.3	93.4	0	+∞	Si
259	-161765	4	-161666	6.2	124.5	241.5	1837	-140976	1	-140889	5.4	93.4	0	+∞	Si
278	-207556	8	-182124	7	124.5	272.1	1837	-181784	1	-159123	6.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
28	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
37	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
56	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
74	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
83	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
93	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
102	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
120	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
139	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
157	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	1	0.003	1	9999	Si
176	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
194	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
213	0.001	0	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
222	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
241	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
258	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
259	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Campata 2 tra i fili 33 - 26, sezione R 40x70, asta 1155

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	7.6	5.4						-268028	LU 14	-253933	-1414576	0.086	Si
12	11.4	5.4	7.6	5.4						-252159	LU 14	-249743	-1414576	0.086	Si
20	11.4	5.4	7.6	5.4						-241811	LU 18	-241811	-1414576	0.086	Si
23	11.4	5.4	7.6	5.4						-237915	LU 18	-241811	-1414576	0.086	Si
35	11.4	5.4	7.6	5.4						-225208	LU 18	-241811	-1414576	0.086	Si
47	11.2	5.4	7.6	5.4	-137573	LU 1	2284	963360	0.079	-213739	LU 18	-241811	-1390053	0.086	Si
52	10.92	5.4	7.6	5.4	-133509	LU 1	5304	963336	0.079	-208469	LU 18	-237807	-1357403	0.085	Si
64	10.37	5.4	7.6	5.4	-126096	LU 1	9948	963282	0.079	-198858	LU 18	-225110	-1292099	0.084	Si
76	9.82	5.4	7.6	5.4	-119636	LU 1	12735	963224	0.079	-190486	LU 18	-213651	-1226773	0.083	Si
87	9.27	5.4	7.6	5.4	-114128	LU 1	13664	963161	0.079	-183352	LU 18	-203431	-1161432	0.082	Si
93	7.6	5.4	7.6	5.4	-111732	LU 1	13432	962923	0.078	-180250	LU 18	-198786	-962923	0.078	Si
99	7.6	5.4	7.6	5.4	-109574	LU 1	12735	962923	0.078	-177457	LU 18	-194450	-962923	0.078	Si
111	7.6	5.4	7.6	5.4	-105972	LU 1	9948	962923	0.078	-172800	LU 18	-186707	-962923	0.078	Si
122	7.6	5.4	7.6	5.4	-103323	LU 1	5304	962923	0.078	-169383	LU 18	-180203	-962923	0.078	Si
134	7.6	5.4	7.6	5.4						-167203	LU 18	-174938	-962923	0.078	Si
140	7.6	5.4	7.6	5.4						-166578	LU 18	-172769	-962923	0.078	Si
152	7.6	5.4	7.6	5.4						-166257	LU 18	-169362	-962923	0.078	Si
155	7.6	5.4	7.6	5.4						-166430	LU 18	-168651	-962923	0.078	Si
163	7.6	5.4	7.6	5.4						-167174	LU 18	-166799	-962923	0.078	Si
175	7.6	5.4	7.6	5.4						-169330	LU 18	-166989	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.37	0	1490	LU 13	1490	9783	68363	0	9783	1	Si
12	0	9.82	0	1384	LU 13	1384	9607	68363	0	9607	1	Si
20	0.067	9.27	0	1308	LU 13	1308	9424	68363	7781	9424	1	Si
23	0.067	9.27	0	1278	LU 13	1278	9424	68363	7781	9424	1	Si
35	0.067	7.6	0	1171	LU 13	1171	8821	68363	7781	8821	1	Si
47	0.067	7.6	0	1065	LU 13	1065	8821	68363	7781	8821	1	Si
52	0.067	7.6	0	1012	LU 13	1012	8821	68363	7781	8821	1	Si
64	0.067	7.6	0	906	LU 13	906	8821	68363	7781	8821	1	Si
76	0.067	7.6	0	800	LU 13	800	8821	68363	7781	8821	1	Si
87	0.067	7.6	0	694	LU 13	694	8821	68363	7781	8821	1	Si
99	0.067	7.6	0	587	LU 13	587	8821	68363	7781	8821	1	Si
111	0.067	7.6	0	481	LU 13	481	8821	68363	7781	8821	1	Si
122	0.067	7.6	0	375	LU 13	375	8821	68363	7781	8821	1	Si
134	0.067	7.6	0	269	LU 13	269	8821	68363	7781	8821	1	Si
134	0.067	7.6	0	-5	LU 2	-5	-8821	-68363	-7781	-8821	1	Si
140	0.067	7.6	0	216	LU 13	216	8821	68363	7781	8821	1	Si
140	0.067	7.6	0	-46	LU 2	-46	-8821	-68363	-7781	-8821	1	Si
152	0.067	7.6	0	115	LU 4	115	8821	68363	7781	8821	1	Si
152	0.067	7.6	0	-133	LU 11	-133	-8821	-68363	-7781	-8821	1	Si
155	0.067	7.6	0	92	LU 4	92	8821	68363	7781	8821	1	Si
155	0.067	7.6	0	-163	LU 11	-163	-8821	-68363	-7781	-8821	1	Si
163	0	7.6	0	33	LU 4	33	8821	68363	0	8821	1	Si
163	0	7.6	0	-239	LU 11	-239	-8821	-68363	0	-8821	1	Si
175	0	7.6	0	-345	LU 11	-345	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-202506	5	-191722	7.4	124.5	286.4	1837	-179379	2	-169190	6.5	93.4	0	+∞	Si
12	-190367	5	-188519	7.3	124.5	281.6	1837	-167934	2	-166189	6.4	93.4	0	+∞	Si
20	-182436	9	-182436	7	124.5	272.6	1837	-160372	2	-160372	6.2	93.4	0	+∞	Si
23	-179438	9	-182436	7	124.5	272.6	1837	-157442	2	-160372	6.2	93.4	0	+∞	Si
35	-169660	9	-182436	7	124.5	272.6	1837	-147903	2	-160372	6.2	93.4	0	+∞	Si
47	-160835	9	-182436	7.1	124.5	277.4	1837	-139316	2	-160372	6.2	93.4	0	+∞	Si
52	-156780	9	-179355	7	124.5	279.3	1837	-135380	2	-157361	6.2	93.4	0	+∞	Si
64	-149385	9	-169585	6.8	124.5	277.6	1837	-128223	2	-147829	5.9	93.4	0	+∞	Si
76	-142942	9	-160768	6.6	124.5	277.4	1837	-122018	2	-139251	5.7	93.4	0	+∞	Si
87	-137452	9	-152904	6.4	124.5	278.9	1837	-116766	2	-131625	5.5	93.4	0	+∞	Si
99	-132914	9	-145993	3.8	124.5	57.1	1837	-112467	2	-124952	5.6	93.4	0	+∞	Si
111	-129330	9	-140034	3.6	124.5	54.7	1837	-109121	2	-119231	5.3	93.4	0	+∞	Si
122	-126698	9	-135028	3.5	124.5	52.8	1837	-106727	2	-114464	5.1	93.4	0	+∞	Si
134	-125019	9	-130975	3.4	124.5	51.2	1837	-105286	2	-110649	5	93.4	0	+∞	Si
140	-124537	9	-129306	3.4	124.5	50.5	1837	-104923	2	-109099	4.9	93.4	0	+∞	Si
152	-124287	9	-126682	3.3	124.5	49.5	1837	-104912	2	-106713	4.8	93.4	0	+∞	Si
155	-124420	9	-126134	3.3	124.5	49.3	1837	-105113	2	-106234	4.8	93.4	0	+∞	Si
163	-124990	9	-124702	3.2	124.5	48.7	1837	-105853	2	-105529	4.7	93.4	0	+∞	Si
175	-126646	9	-124847	3.3	124.5	48.8	1837	-107747	2	-105744	4.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
12	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
35	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
47	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
52	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
64	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
76	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
82	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
87	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
99	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
111	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
122	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
134	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
140	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
152	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
155	0	-0.001	0	-0.001	0	0	0	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
163	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si

Campata 3 tra i fili 26 - ?, sezione R 40x70, asta 1156

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-244630	LU 18	-176575	-962923	0.078	Si
5	7.6	5.4	7.6	5.4						-211308	LU 12	-172800	-962923	0.078	Si
10	7.6	5.4	7.6	5.4						-179414	LU 12	-161475	-962923	0.078	Si
14	7.6	5.4	7.6	5.4						-147731	LU 12	-142601	-962923	0.078	Si
19	7.6	5.4	7.6	5.4						-117534	LU 11	-117458	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	-58090	LU 4	114948	962923	0.078	-113130	LU 11	-113130	-962923	0.078	Si
22	7.6	5.4	7.6	5.4	-49430	LU 4	125869	962923	0.078	-102889	LU 11	-113130	-962923	0.078	Si
27	7.6	5.4	7.6	5.4	-23745	LU 8	156953	962923	0.078	-73757	LU 11	-113130	-962923	0.078	Si
31	7.6	5.4	7.6	5.4	2269	LU 8	167922	962923	0.078	-44837	LU 11	-113130	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	30316	LU 17	167922	962923	0.078	-18322	LU 2	-113130	-962923	0.078	Si
41	7.6	5.4	7.6	5.4	62040	LU 17	167922	962923	0.078	4142	LU 2	-113130	-962923	0.078	Si
46	7.6	5.4	7.6	5.4	93553	LU 17	167922	962923	0.078	26443	LU 2	-113130	-962923	0.078	Si
51	7.6	5.4	7.6	5.4	124855	LU 17	167922	962923	0.078	48581	LU 2	-103844	-962923	0.078	Si
55	7.6	5.4	7.6	5.4	155945	LU 17	167922	962923	0.078	70557	LU 2	-74705	-962923	0.078	Si
57	7.6	5.4	7.6	5.4	167922	LU 17	167922	962923	0.078	79020	LU 2	-63482	-962923	0.078	Si
58	7.6	5.4	7.6	5.4	171410	LU 17	171344	962923	0.078						Si
63	7.6	5.4	7.6	5.4	202184	LU 17	196163	962923	0.078						Si
67	7.6	5.4	7.6	5.4	232745	LU 17	211055	962923	0.078						Si
72	7.6	5.4	7.6	5.4	263096	LU 17	216018	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	7275	LU 18	7275	8821	68363	0	8821	1	Si
5	0	7.6	0	7232	LU 18	7232	8821	68363	0	8821	1	Si
10	0	7.6	0	7188	LU 18	7188	8821	68363	0	8821	1	Si
14	0	7.6	0	7144	LU 18	7144	8821	68363	0	8821	1	Si
19	0	7.6	0	7100	LU 18	7100	8821	68363	0	8821	1	Si
20	0.135	7.6	0	7093	LU 18	7093	8821	68363	15652	15652	1	Si
22	0.135	7.6	0	7078	LU 18	7078	8821	68363	15652	15652	1	Si
27	0.135	7.6	0	7034	LU 18	7034	8821	68363	15652	15652	1	Si
31	0.135	7.6	0	6990	LU 18	6990	8821	68363	15652	15652	1	Si
36	0.135	7.6	0	6947	LU 18	6947	8821	68363	15652	15652	1	Si
41	0.135	7.6	0	6903	LU 18	6903	8821	68363	15652	15652	1	Si
46	0.135	7.6	0	6859	LU 18	6859	8821	68363	15652	15652	1	Si
51	0.135	7.6	0	6815	LU 18	6815	8821	68363	15652	15652	1	Si
55	0.135	7.6	0	6771	LU 18	6771	8821	68363	15652	15652	1	Si
57	0.135	7.6	0	6754	LU 18	6754	8821	68363	15652	15652	1	Si
58	0	7.6	0	6749	LU 18	6749	8821	68363	0	8821	1	Si
63	0	7.6	0	6705	LU 18	6705	8821	68363	0	8821	1	Si
67	0	7.6	0	6662	LU 18	6662	8821	68363	0	8821	1	Si
72	0	7.6	0	6618	LU 18	6618	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-182916	9	-131622	3.4	124.5	51.4	1837	-157375	2	-111964	5	93.4	0	+∞	Si
5	-157858	3	-128772	3.4	124.5	50.3	1837	-135572	2	-109409	4.9	93.4	0	+∞	Si
10	-133772	3	-120223	3.1	124.5	47	1837	-113931	2	-101744	4.6	93.4	0	+∞	Si
14	-109849	3	-105974	2.8	124.5	41.4	1837	-92452	2	-88968	4	93.4	0	+∞	Si
19	-86938	2	-86880	2.3	124.5	34	1837	-71137	2	-71081	3.2	93.4	0	+∞	Si
20	-83586	2	-83586	2.2	124.5	32.7	1837	-67949	2	-67949	3	93.4	0	+∞	Si
22	-75793	2	-83586	2.2	124.5	32.7	1837	-60540	2	-67949	3	93.4	0	+∞	Si
27	-53625	2	-83586	2.2	124.5	32.7	1837	-39468	2	-67949	3	93.4	0	+∞	Si
31	-31619	2	-83586	2.2	124.5	32.7	1837	-18558	2	-67949	3	93.4	0	+∞	Si
36	21186	8	124528	3.2	124.5	48.7	1837	7316	1	94351	4.2	93.4	0	+∞	Si
36	-9776	2	-83586	2.2	124.5	32.7	1837								Si
41	45018	8	124528	3.2	124.5	48.7	1837	27430	1	94351	4.2	93.4	0	+∞	Si
46	68686	8	124528	3.2	124.5	48.7	1837	47382	1	94351	4.2	93.4	0	+∞	Si
51	92193	8	124528	3.2	124.5	48.7	1837	67172	1	94351	4.2	93.4	0	+∞	Si
55	115536	8	124528	3.2	124.5	48.7	1837	86798	1	94351	4.2	93.4	0	+∞	Si
57	124528	8	124528	3.2	124.5	48.7	1837	94351	1	94351	4.2	93.4	0	+∞	Si
58	127147	8	127097	3.3	124.5	49.7	1837	96551	1	96509	4.3	93.4	0	+∞	Si
63	150247	8	145730	3.8	124.5	57	1837	115934	1	112156	5	93.4	0	+∞	Si
67	173184	8	156909	4.1	124.5	61.3	1837	135154	1	121544	5.5	93.4	0	+∞	Si
72	195959	8	160635	4.2	124.5	62.8	1837	154212	1	124673	5.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
5	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
10	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
14	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
19	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
22	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
27	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
31	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
36	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
41	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
46	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
51	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
55	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
57	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
58	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
63	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
67	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Campata 4 tra i fili ? - 16, sezione R 40x70, asta 1157

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	252129	LU 17	248245	962923	0.078						Si
12	7.6	5.4	7.6	5.4	245214	LU 17	245037	962923	0.078						Si
15	7.6	5.4	7.6	5.4	243548	LU 18	243548	962923	0.078						Si
24	7.6	5.4	7.6	5.4	241564	LU 18	243548	962923	0.078						Si
37	7.6	5.4	7.6	5.4	237734	LU 18	243548	962923	0.078						Si
49	7.6	5.4	7.6	5.4	232554	LU 18	242653	962923	0.078						Si
55	7.6	5.4	7.6	5.4	229457	LU 18	241167	962923	0.078						Si
67	7.6	5.4	7.6	5.4	222252	LU 18	237184	962923	0.078						Si
79	7.6	5.4	7.6	5.4	214676	LU 12	231851	962923	0.078						Si
91	7.6	5.4	7.6	5.4	211259	LU 12	225167	962923	0.078						Si
104	7.6	5.4	9.49	5.4	206491	LU 12	217133	1187718	0.082						Si
116	7.6	5.4	10.31	5.4	200373	LU 12	212710	1285161	0.084						Si
128	7.6	5.4	11.13	5.4	194874	LU 11	208464	1382573	0.086						Si
140	7.6	5.4	11.4	5.4	188430	LU 11	202868	1414576	0.086						Si
146	7.6	5.4	11.4	5.4	184701	LU 11	199564	1414576	0.086						Si
158	7.6	5.4	11.4	5.4	176231	LU 11	194181	1414576	0.086						Si
163	7.6	5.4	11.4	5.4	172835	LU 11	191994	1414576	0.086						Si
171	7.6	5.4	11.4	5.4	166411	LU 11	166411	1414576	0.086						Si
183	7.6	5.4	11.4	5.4	155241	LU 11	155241	1414576	0.086	-2878	LU 8	-2878	-963377	0.08	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	690	LU 11	690	8821	68363	0	8821	1	Si
0	0	7.6	0	-515	LU 8	-515	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	602	LU 2	602	8821	68363	0	8821	1	Si
12	0	7.6	0	-623	LU 17	-623	-8821	-68363	0	-8821	1	Si
15	0.095	7.6	0	583	LU 2	583	8821	68363	11061	11061	1	Si
15	0.095	7.6	0	-649	LU 17	-649	-8821	-68363	-11061	-11061	1	Si
24	0.095	7.6	0	517	LU 2	517	8821	68363	11061	11061	1	Si
24	0.095	7.6	0	-734	LU 17	-734	-8821	-68363	-11061	-11061	1	Si
37	0.095	7.6	0	432	LU 2	432	8821	68363	11061	11061	1	Si
37	0.095	7.6	0	-845	LU 17	-845	-8821	-68363	-11061	-11061	1	Si
49	0.095	7.6	0	346	LU 2	346	8821	68363	11061	11061	1	Si
49	0.095	7.6	0	-956	LU 17	-956	-8821	-68363	-11061	-11061	1	Si
55	0.095	7.6	0	304	LU 2	304	8821	68363	11061	11061	1	Si
55	0.095	7.6	0	-1011	LU 17	-1011	-8821	-68363	-11061	-11061	1	Si
67	0.095	7.6	0	219	LU 2	219	8821	68363	11061	11061	1	Si
67	0.095	7.6	0	-1122	LU 17	-1122	-8821	-68363	-11061	-11061	1	Si
79	0.095	7.6	0	133	LU 2	133	8821	68363	11061	11061	1	Si
79	0.095	7.6	0	-1233	LU 17	-1233	-8821	-68363	-11061	-11061	1	Si
91	0.095	7.6	0	48	LU 2	48	8821	68363	11061	11061	1	Si
91	0.095	7.6	0	-1344	LU 17	-1344	-8821	-68363	-11061	-11061	1	Si
104	0.095	7.6	0	-1454	LU 17	-1454	-8821	-68363	-11061	-11061	1	Si
116	0.095	7.6	0	-1565	LU 17	-1565	-8821	-68363	-11061	-11061	1	Si
128	0.095	7.6	0	-1676	LU 17	-1676	-8821	-68363	-11061	-11061	1	Si
140	0.095	7.6	0	-1787	LU 17	-1787	-8821	-68363	-11061	-11061	1	Si
146	0.095	7.6	0	-1842	LU 17	-1842	-8821	-68363	-11061	-11061	1	Si
158	0.095	7.6	0	-1953	LU 17	-1953	-8821	-68363	-11061	-11061	1	Si
163	0.095	7.6	0	-1993	LU 17	-1993	-8821	-68363	-11061	-11061	1	Si
164	0	7.6	0	-2009	LU 17	-2009	-8821	-68363	0	-8821	1	Si
171	0	9.49	0	-2064	LU 17	-2064	-9499	-68363	0	-9499	1	Si
183	0	10.31	0	-2175	LU 17	-2175	-9765	-68363	0	-9765	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	187671	8	185087	4.8	124.5	72.3	1837	146889	1	146889	6.6	93.4	0	+∞	Si
12	183007	8	182885	4.8	124.5	71.5	1837	146480	1	146450	6.6	93.4	0	+∞	Si
15	181859	9	181859	4.7	124.5	71.1	1837	146253	2	146378	6.6	93.4	0	+∞	Si
24	180380	9	181859	4.7	124.5	71.1	1837	146351	2	146378	6.6	93.4	0	+∞	Si
37	177496	9	181859	4.7	124.5	71.1	1837	145518	2	146378	6.6	93.4	0	+∞	Si
49	173572	9	181194	4.7	124.5	70.8	1837	143646	2	146372	6.6	93.4	0	+∞	Si
55	171221	9	180082	4.7	124.5	70.4	1837	142321	2	146286	6.6	93.4	0	+∞	Si
67	165740	9	177080	4.6	124.5	69.2	1837	138891	2	145335	6.5	93.4	0	+∞	Si
79	159873	3	173038	4.5	124.5	67.6	1837	134423	2	143345	6.4	93.4	0	+∞	Si
91	156640	3	167958	4.4	124.5	65.6	1837	128916	2	140317	6.3	93.4	0	+∞	Si
104	152368	3	161840	6.7	124.5	288.5	1837	122370	2	136250	5.6	93.4	0	+∞	Si
116	147058	3	157990	6.3	124.5	260	1837	114785	2	131144	5.3	93.4	0	+∞	Si
128	142022	2	154120	6	124.5	235.6	1837	106162	2	125000	4.9	93.4	0	+∞	Si
140	136217	2	149211	5.8	124.5	222.9	1837	96500	2	117817	4.6	93.4	0	+∞	Si
146	132925	2	146367	5.7	124.5	218.7	1837	91280	2	113836	4.4	93.4	0	+∞	Si
158	125562	2	141392	5.5	124.5	211.2	1837	80060	2	105095	4.1	93.4	0	+∞	Si
163	122646	2	139406	5.4	124.5	208.3	1837	75763	2	101728	3.9	93.4	0	+∞	Si
171	117160	2	117160	4.5	124.5	175	1837	67802	2	67802	2.6	93.4	0	+∞	Si
183	107720	2	107720	4.2	124.5	160.9	1837	54505	2	54505	2.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
15	0.001	0	0.001	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si
24	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
37	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
49	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
55	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
67	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.004	2	0.003	2	9999	Si
79	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
85	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
91	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.004	2	0.003	2	9999	Si
104	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.004	2	0.003	2	9999	Si
116	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
128	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
140	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
146	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
158	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
163	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.001	2	0.001	2	9999	Si
171	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si

Campata 5 tra i fili 16 - 5, sezione R 40x70, asta 1158

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	190104	LU 11	190104	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	206699	LU 11	223434	1414576	0.086						Si
45	7.6	5.4	10.48	5.4	221930	LU 11	230745	1305076	0.084						Si
68	7.6	5.4	7.6	5.4	229700	LU 11	232042	962923	0.078						Si
91	7.6	5.4	7.6	5.4	232042	LU 11	232042	962923	0.078						Si
102	7.6	5.4	7.6	5.4	231178	LU 11	232042	962923	0.078						Si
125	7.6	5.4	7.6	5.4	226929	LU 12	231666	962923	0.078						Si
147	7.6	5.4	7.6	5.4	217998	LU 12	228302	962923	0.078						Si
170	7.6	5.4	7.6	5.4	207308	LU 18	220905	962923	0.078						Si
193	7.6	5.4	7.6	5.4	194427	LU 18	209797	962923	0.078						Si
215	7.6	5.4	7.6	5.4	176117	LU 18	198449	962923	0.078						Si
238	7.6	5.4	7.6	5.4	160702	LU 17	181673	962923	0.078						Si
261	7.6	5.4	7.6	5.4	140269	LU 17	165325	962923	0.078						Si
272	7.6	5.4	7.6	5.4	128016	LU 17	156553	962923	0.078	35526	LU 2	-14937	-962923	0.078	Si
295	7.6	5.4	7.6	5.4	99440	LU 17	134939	962923	0.078	-3131	LU 2	-51372	-962923	0.078	Si
320	7.6	5.4	7.6	5.4	60957	LU 17	104375	962923	0.078	-51372	LU 2	-51372	-962923	0.078	Si
340	7.6	5.4	7.6	5.4	33487	LU 8	33487	962923	0.078	-100456	LU 11	-72316	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1608	LU 17	1608	8821	68363	0	8821	1	Si
20	0.06	7.6	0	1412	LU 17	1412	8821	68363	7003	8821	1	Si
45	0.06	7.6	0	1164	LU 17	1164	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	941	LU 17	941	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	719	LU 17	719	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	-130	LU 2	-130	-8821	-68363	-7003	-8821	1	Si
102	0.06	7.6	0	608	LU 17	608	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	-215	LU 2	-215	-8821	-68363	-7003	-8821	1	Si
125	0.06	7.6	0	386	LU 17	386	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	-386	LU 2	-386	-8821	-68363	-7003	-8821	1	Si
147	0.06	7.6	0	177	LU 8	177	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	-571	LU 11	-571	-8821	-68363	-7003	-8821	1	Si
170	0.06	7.6	0	6	LU 8	6	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	-793	LU 11	-793	-8821	-68363	-7003	-8821	1	Si
193	0.06	7.6	0	-1015	LU 11	-1015	-8821	-68363	-7003	-8821	1	Si
215	0.06	7.6	0	-1238	LU 11	-1238	-8821	-68363	-7003	-8821	1	Si
238	0.06	7.6	0	-1460	LU 11	-1460	-8821	-68363	-7003	-8821	1	Si
261	0.06	7.6	0	-1682	LU 11	-1682	-8821	-68363	-7003	-8821	1	Si
272	0.06	7.6	0	-1793	LU 11	-1793	-8821	-68363	-7003	-8821	1	Si
295	0.06	7.6	0	-2016	LU 11	-2016	-8821	-68363	-7003	-8821	1	Si
320	0.06	7.6	0	-2264	LU 11	-2264	-8821	-68363	-7003	-8821	1	Si
340	0	7.6	0	-2460	LU 11	-2460	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	134019	2	134019	5.2	124.5	200.2	1837	78440	2	78440	3	93.4	0	+∞	Si
20	147913	2	162427	6.3	124.5	242.7	1837	97472	2	119452	4.6	93.4	0	+∞	Si
45	161059	2	169481	6.7	124.5	274.6	1837	117124	2	133012	5.3	93.4	0	+∞	Si
68	168316	2	171397	4.5	124.5	67	1837	130202	2	140735	6.3	93.4	0	+∞	Si
91	171397	2	171397	4.5	124.5	67	1837	139105	2	144283	6.5	93.4	0	+∞	Si
102	171372	2	171397	4.5	124.5	67	1837	141991	2	144630	6.5	93.4	0	+∞	Si
125	169224	3	171386	4.5	124.5	67	1837	144630	2	144630	6.5	93.4	0	+∞	Si
147	163398	3	169985	4.4	124.5	66.4	1837	143094	2	144630	6.5	93.4	0	+∞	Si
170	155842	9	165338	4.3	124.5	64.6	1837	137382	2	143823	6.5	93.4	0	+∞	Si
193	146269	9	157662	4.1	124.5	61.6	1837	127495	2	139291	6.2	93.4	0	+∞	Si
215	132520	9	149268	3.9	124.5	58.3	1837	113432	2	130583	5.9	93.4	0	+∞	Si
238	120144	8	136699	3.6	124.5	53.4	1837	97572	1	117700	5.3	93.4	0	+∞	Si
261	103866	8	123858	3.2	124.5	48.4	1837	77653	1	102315	4.6	93.4	0	+∞	Si
272	94161	8	116831	3	124.5	45.7	1837	66128	1	93467	4.2	93.4	0	+∞	Si
295	71620	8	99644	2.6	124.5	38.9	1837	39946	1	72640	3.3	93.4	0	+∞	Si
320	41391	8	75508	2	124.5	29.5	1837	5648	1	44434	2	93.4	0	+∞	Si
320	-32365	2	-32365	0.8	124.5	12.7	1837	-5756	2	-5756	0.3	93.4	0	+∞	Si
340	14010	8	14010	0.4	124.5	5.5	1837								Si
340	-70297	2	-49256	1.3	124.5	19.3	1837	-38551	2	-20263	0.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara	Frequente	Quasi permanente	Verifica

	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
45	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
68	0.005	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
91	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.009	2	9999	Si
102	0.006	0.005	0.005	0.004	0.006	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
125	0.007	0.006	0.005	0.004	0.006	0.006	0.005	0.004	0.006	0.006	0.012	2	0.011	2	9999	Si
147	0.007	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.012	2	0.012	2	9999	Si
159	0.007	0.006	0.006	0.005	0.007	0.006	0.005	0.005	0.006	0.006	0.012	2	0.012	2	9999	Si
170	0.007	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.012	2	0.012	2	9999	Si
193	0.007	0.006	0.005	0.004	0.006	0.006	0.005	0.004	0.006	0.006	0.012	2	0.011	2	9999	Si
215	0.006	0.005	0.005	0.004	0.006	0.005	0.004	0.004	0.006	0.005	0.011	2	0.01	2	9999	Si
238	0.006	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.009	2	0.009	2	9999	Si
261	0.005	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
272	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
295	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
320	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si

Trave a "Piano 2" 40-6

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 40 - ?, sezione R 40x70, asta 1151

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	7.6	5.4						-227184	LU 11	-178911	-1414576	0.086	Si
28	11.4	5.4	7.6	5.4	-16728	LU 8	57742	963377	0.08	-133730	LU 11	-133730	-1414576	0.086	Si
35	11.4	5.4	7.6	5.4	2886	LU 8	80474	963377	0.08	-108061	LU 11	-133730	-1414576	0.086	Si
71	10.42	5.4	7.6	5.4	98624	LU 17	176954	963287	0.079	-13685	LU 2	-88565	-1298180	0.084	Si
106	7.6	5.4	7.6	5.4	193107	LU 17	262102	962923	0.078						Si
124	7.6	5.4	7.6	5.4	236099	LU 17	300426	962923	0.078						Si
159	7.6	5.4	7.6	5.4	313583	LU 17	368575	962923	0.078						Si
194	7.6	5.4	7.6	5.4	379735	LU 17	425392	962923	0.078						Si
229	7.6	5.4	7.6	5.4	434554	LU 17	470875	962923	0.078						Si
265	7.6	5.4	7.6	5.4	478040	LU 17	505026	962923	0.078						Si
300	7.6	5.4	7.6	5.4	510193	LU 17	527844	962923	0.078						Si
335	7.6	5.4	7.6	5.4	531014	LU 17	539329	962923	0.078						Si
371	7.6	5.4	7.6	5.4	540502	LU 17	540996	962923	0.078						Si
388	7.6	5.4	7.6	5.4	540996	LU 17	540996	962923	0.078						Si
423	7.6	5.4	7.6	5.4	534548	LU 18	540172	962923	0.078						Si
459	7.6	5.4	7.6	5.4	519898	LU 18	532465	962923	0.078						Si
494	7.6	5.4	7.6	5.4	493915	LU 18	515818	962923	0.078						Si
514	7.6	5.4	7.6	5.4	473665	LU 18	501085	962923	0.078						Si
529	7.6	5.4	7.6	5.4	456600	LU 18	456600	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.42	0	3599	LU 18	3599	9799	68363	0	9799	1	Si
28	0.062	9.59	0	3349	LU 18	3349	9531	68363	7192	9531	1	Si
35	0.062	7.6	0	3278	LU 18	3278	8821	68363	7192	8821	1	Si
71	0.062	7.6	0	2957	LU 18	2957	8821	68363	7192	8821	1	Si
106	0.062	7.6	0	2636	LU 18	2636	8821	68363	7192	8821	1	Si
124	0.062	7.6	0	2475	LU 18	2475	8821	68363	7192	8821	1	Si
159	0.062	7.6	0	2154	LU 18	2154	8821	68363	7192	8821	1	Si
194	0.062	7.6	0	1833	LU 18	1833	8821	68363	7192	8821	1	Si
229	0.062	7.6	0	1512	LU 18	1512	8821	68363	7192	8821	1	Si
265	0.062	7.6	0	1191	LU 18	1191	8821	68363	7192	8821	1	Si
300	0.062	7.6	0	869	LU 18	869	8821	68363	7192	8821	1	Si
335	0.062	7.6	0	548	LU 18	548	8821	68363	7192	8821	1	Si
371	0.062	7.6	0	228	LU 9	228	8821	68363	7192	8821	1	Si
371	0.062	7.6	0	-6	LU 10	-6	-8821	-68363	-7192	-8821	1	Si
388	0.062	7.6	0	105	LU 9	105	8821	68363	7192	8821	1	Si
388	0.062	7.6	0	-166	LU 10	-166	-8821	-68363	-7192	-8821	1	Si
423	0.062	7.6	0	-487	LU 10	-487	-8821	-68363	-7192	-8821	1	Si
459	0.062	7.6	0	-808	LU 10	-808	-8821	-68363	-7192	-8821	1	Si
494	0.062	7.6	0	-1130	LU 10	-1130	-8821	-68363	-7192	-8821	1	Si
514	0.062	7.6	0	-1314	LU 10	-1314	-8821	-68363	-7192	-8821	1	Si
529	0	7.6	0	-1451	LU 10	-1451	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-167539	2	-130645	5	124.5	195.2	1837	-134696	2	-98892	3.8	93.4	0	+∞	Si
28	-96130	2	-96130	3.7	124.5	143.6	1837	-65466	2	-65466	2.5	93.4	0	+∞	Si
35	-76520	2	-96130	3.7	124.5	143.6	1837	-46474	2	-65466	2.5	93.4	0	+∞	Si
71	71710	8	131625	3.3	124.5	50.7	1837	44710	1	102419	4.4	93.4	0	+∞	Si
106	143978	8	196712	5.1	124.5	76.9	1837	114299	1	164827	7.4	93.4	0	+∞	Si
124	176843	8	225986	5.9	124.5	88.3	1837	145825	1	192762	8.6	93.4	0	+∞	Si
159	236034	8	277996	7.2	124.5	108.7	1837	202338	1	242094	10.9	93.4	0	+∞	Si
194	286508	8	321289	8.4	124.5	125.6	1837	250133	1	282708	12.7	93.4	0	+∞	Si
229	328264	8	355864	9.3	124.5	139.1	1837	289211	1	314605	14.1	93.4	0	+∞	Si
265	361303	8	381722	9.9	124.5	149.2	1837	319572	1	337784	15.2	93.4	0	+∞	Si
300	385624	8	398862	10.4	124.5	155.9	1837	341215	1	352246	15.8	93.4	0	+∞	Si
335	401228	8	407285	10.6	124.5	159.2	1837	354140	1	357991	16.1	93.4	0	+∞	Si
371	408115	8	408289	10.6	124.5	159.6	1837	358348	1	358348	16.1	93.4	0	+∞	Si
388	408289	8	408289	10.6	124.5	159.6	1837	357183	1	358348	16.1	93.4	0	+∞	Si
423	402807	9	407582	10.6	124.5	159.3	1837	348619	2	356004	16	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
459	390696	9	401057	10.5	124.5	156.8	1837	332231	2	346115	15.5	93.4	0	+∞	Si
494	369867	9	387409	10.1	124.5	151.4	1837	307127	2	328191	14.7	93.4	0	+∞	Si
514	353806	9	375592	9.8	124.5	146.8	1837	288607	2	313915	14.1	93.4	0	+∞	Si
529	340321	9	340321	8.9	124.5	133	1837	273304	2	273304	12.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
28	0.005	0.003	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	1	0.009	1	9999	Si
35	0.006	0.004	0.006	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	1	0.012	1	9999	Si
71	0.012	0.009	0.011	0.008	0.011	0.01	0.01	0.009	0.011	0.01	0.025	1	0.024	1	9999	Si
106	0.018	0.014	0.016	0.013	0.016	0.015	0.014	0.013	0.016	0.015	0.037	1	0.035	1	9999	Si
124	0.021	0.016	0.019	0.015	0.019	0.017	0.017	0.015	0.018	0.018	0.042	1	0.041	1	9999	Si
159	0.026	0.021	0.023	0.018	0.023	0.022	0.021	0.019	0.022	0.022	0.053	1	0.051	1	9999	Si
194	0.03	0.024	0.027	0.022	0.027	0.025	0.024	0.023	0.026	0.025	0.061	1	0.06	1	8675	Si
229	0.033	0.027	0.03	0.024	0.029	0.028	0.026	0.025	0.029	0.028	0.067	1	0.066	1	7873	Si
265	0.035	0.028	0.031	0.026	0.031	0.029	0.028	0.026	0.03	0.03	0.071	1	0.07	1	7472	Si
282	0.035	0.029	0.032	0.026	0.031	0.03	0.028	0.027	0.031	0.03	0.072	1	0.07	1	7395	Si
300	0.035	0.029	0.032	0.026	0.031	0.03	0.028	0.027	0.031	0.03	0.072	1	0.07	1	7396	Si
335	0.034	0.028	0.031	0.025	0.03	0.029	0.027	0.026	0.03	0.029	0.069	1	0.068	1	7647	Si
371	0.031	0.026	0.028	0.023	0.028	0.027	0.025	0.024	0.027	0.027	0.064	1	0.063	1	8314	Si
388	0.029	0.024	0.026	0.022	0.026	0.025	0.023	0.022	0.025	0.025	0.06	1	0.059	1	8869	Si
423	0.024	0.02	0.022	0.018	0.021	0.021	0.019	0.019	0.021	0.021	0.049	1	0.049	1	9999	Si
459	0.018	0.015	0.016	0.013	0.016	0.015	0.014	0.014	0.015	0.015	0.036	1	0.035	1	9999	Si
494	0.009	0.008	0.009	0.007	0.008	0.008	0.008	0.007	0.008	0.008	0.019	1	0.019	1	9999	Si
514	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	1	0.008	1	9999	Si

Campata 2 tra i fili ? - 17, sezione R 40x70, asta 1152

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	474577	LU 18	430832	962923	0.078						Si
12	7.6	5.4	7.6	5.4	404705	LU 18	402775	962923	0.078						Si
15	7.6	5.4	7.6	5.4	386104	LU 18	386104	962923	0.078						Si
24	7.6	5.4	7.6	5.4	333549	LU 18	386104	962923	0.078						Si
36	7.6	5.4	7.6	5.4	261109	LU 18	386104	962923	0.078						Si
48	7.6	5.4	7.6	5.4	187384	LU 18	365494	962923	0.078	95035	LU 1	-37577	-962923	0.078	Si
53	7.6	5.4	7.6	5.4	150040	LU 18	329722	962923	0.078	70545	LU 1	-76668	-962923	0.078	Si
65	7.6	5.4	7.6	5.4	79102	LU 12	257213	962923	0.078	20822	LU 1	-159419	-962923	0.078	Si
77	7.6	5.4	7.6	5.4	23737	LU 2	183420	962923	0.078	-41673	LU 13	-243454	-962923	0.078	Si
89	11.36	5.4	7.6	5.4	-22309	LU 2	108343	963374	0.08	-122261	LU 17	-328773	-1408916	0.086	Si
101	11.88	5.4	7.6	5.4	-69343	LU 2	45021	963463	0.08	-205722	LU 17	-415377	-1541861	0.089	Si
113	13.6	5.4	7.6	5.4	-117365	LU 2	10419	963540	0.08	-290467	LU 17	-503265	-1674734	0.092	Si
125	14.72	5.4	7.6	5.4	-166375	LU 2	5400	963606	0.08	-376497	LU 17	-592437	-1807519	0.095	Si
137	15.21	5.4	7.6	5.4						-463811	LU 17	-625742	-1865528	0.096	Si
143	15.21	5.4	7.6	5.4						-507950	LU 17	-625742	-1865528	0.096	Si
154	15.21	5.4	7.6	5.4						-597190	LU 17	-625742	-1865528	0.096	Si
158	15.21	5.4	7.6	5.4						-625742	LU 17	-625742	-1865528	0.096	Si
166	15.21	5.4	7.6	5.4						-687715	LU 17	-674926	-1865528	0.096	Si
178	15.21	5.4	7.6	5.4						-779525	LU 17	-701742	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-6160	LU 17	-6160	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-6268	LU 17	-6268	-8821	-68363	0	-8821	1	Si
15	0.098	7.6	0	-6297	LU 17	-6297	-8821	-68363	-11410	-11410	1	Si
24	0.098	7.6	0	-6377	LU 17	-6377	-8821	-68363	-11410	-11410	1	Si
36	0.098	7.6	0	-6485	LU 17	-6485	-8821	-68363	-11410	-11410	1	Si
48	0.098	7.6	0	-6593	LU 17	-6593	-8821	-68363	-11410	-11410	1	Si
53	0.098	7.6	0	-6647	LU 17	-6647	-8821	-68363	-11410	-11410	1	Si
65	0.098	7.6	0	-6755	LU 17	-6755	-8821	-68363	-11410	-11410	1	Si
77	0.098	7.6	0	-6863	LU 17	-6863	-8821	-68363	-11410	-11410	1	Si
89	0.098	7.6	0	-6971	LU 17	-6971	-8821	-68363	-11410	-11410	1	Si
101	0.098	7.6	0	-7079	LU 17	-7079	-8821	-68363	-11410	-11410	1	Si
113	0.098	7.6	0	-7187	LU 17	-7187	-8821	-68363	-11410	-11410	1	Si
125	0.098	7.6	0	-7295	LU 17	-7295	-8821	-68363	-11410	-11410	1	Si
137	0.098	7.6	0	-7404	LU 17	-7404	-8821	-68363	-11410	-11410	1	Si
143	0.098	7.6	0	-7458	LU 17	-7458	-8821	-68363	-11410	-11410	1	Si
154	0.098	11.36	0	-7566	LU 17	-7566	-10083	-68363	-11410	-11410	1	Si
158	0.098	11.92	0	-7600	LU 17	-7600	-10246	-68363	-11410	-11410	1	Si
160	0	11.92	0	-7620	LU 17	-7620	-10246	-68363	0	-10246	1	Si
166	0	11.88	0	-7674	LU 17	-7674	-10404	-68363	0	-10404	1	Si
178	0	13.6	0	-7782	LU 17	-7782	-10706	-68363	0	-10706	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	353994	9	321057	8.4	124.5	125.5	1837	285447	2	257858	11.6	93.4	0	+∞	Si
12	301376	9	299922	7.8	124.5	117.2	1837	241301	2	240078	10.8	93.4	0	+∞	Si
15	287364	9	287364	7.5	124.5	112.3	1837	229513	2	229513	10.3	93.4	0	+∞	Si
24	247770	9	287364	7.5	124.5	112.3	1837	196167	2	229513	10.3	93.4	0	+∞	Si
36	193176	9	287364	7.5	124.5	112.3	1837	150044	2	229513	10.3	93.4	0	+∞	Si
48	137594	9	271838	7.1	124.5	106.3	1837	102934	2	216449	9.7	93.4	0	+∞	Si
53	109433	9	244886	6.4	124.5	95.7	1837	79009	2	193732	8.7	93.4	0	+∞	Si
65	55511	3	190239	5	124.5	74.4	1837	30417	2	147557	6.6	93.4	0	+∞	Si
77	5862	2	134605	3.5	124.5	52.6	1837								Si
77	-31767	4	-183389	4.8	124.5	71.7	1837	-29888	1	-158152	7.1	93.4	0	+∞	Si
89	-92386	8	-247484	9.6	124.5	371.2	1837	-81587	1	-212267	8.2	93.4	0	+∞	Si
101	-155051	8	-312567	11.7	124.5	428.3	1837	-134273	1	-267371	10	93.4	0	+∞	Si
113	-218705	8	-378638	13.8	124.5	477.7	1837	-187948	1	-323463	11.8	93.4	0	+∞	Si
125	-283346	8	-445697	15.8	124.5	521.2	1837	-242610	1	-380543	13.5	93.4	0	+∞	Si
137	-348975	8	-470749	16.5	124.5	533.5	1837	-298261	1	-401907	14.1	93.4	0	+∞	Si
143	-382161	8	-470749	16.5	124.5	533.5	1837	-326456	1	-401907	14.1	93.4	0	+∞	Si
154	-449272	8	-470749	16.5	124.5	533.5	1837	-383589	1	-401907	14.1	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
158	-470749	8	-470749	16.5	124.5	533.5	1837	-401907	1	-401907	14.1	93.4	0	+∞	Si
166	-517371	8	-507746	17.8	124.5	575.5	1837	-441709	1	-433468	15.2	93.4	0	+∞	Si
178	-586459	8	-527918	18.5	124.5	598.3	1837	-500817	1	-450676	15.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
15	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
24	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
36	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
48	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
53	0	0	0	0	0	0	0	0	0	0	0	2	-0.001	2	9999	Si
65	0	-0.001	0	-0.001	0	0	0	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
77	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	2	-0.002	2	9999	Si
89	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
101	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.003	2	9999	Si
113	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
125	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
137	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
143	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
154	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
158	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
166	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	-0.001	2	-0.001	2	9999	Si

Campata 3 tra i fili 17 - 6, sezione R 40x70, asta 1153

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-459051	LU 17	-427398	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-398368	LU 17	-398368	-1865528	0.096	Si
45	14.92	5.4	7.6	5.4						-326640	LU 17	-398368	-1831457	0.095	Si
68	12.78	5.4	7.6	5.4						-267655	LU 17	-344323	-1578073	0.09	Si
91	10.64	5.4	7.6	5.4	-22278	LU 2	15285	963308	0.079	-213486	LU 17	-283978	-1324393	0.085	Si
102	7.6	5.4	7.6	5.4	-14180	LU 2	26681	962923	0.078	-188206	LU 17	-255612	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	-762	LU 2	44214	962923	0.078	-141258	LU 17	-202489	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	8952	LU 2	54733	962923	0.078	-99125	LU 17	-154181	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	14963	LU 2	58240	962923	0.078	-61805	LU 17	-110687	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	17270	LU 2	54733	962923	0.078	-29300	LU 17	-72008	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	16045	LU 11	44214	962923	0.078	-1780	LU 8	-38143	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	21680	LU 18	43410	962923	0.078	10184	LU 1	-9092	-962923	0.078	Si
261	7.6	5.4	7.6	5.4	39328	LU 17	55298	962923	0.078	1972	LU 2	-14852	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	46553	LU 17	59436	962923	0.078	-3818	LU 2	-23017	-962923	0.078	Si
295	7.6	5.4	7.6	5.4	57394	LU 17	63703	962923	0.078	-18176	LU 2	-38689	-962923	0.078	Si
320	7.6	5.4	7.6	5.4	63703	LU 17	63703	962923	0.078	-38689	LU 2	-38689	-962923	0.078	Si
340	7.6	5.4	7.6	5.4	64631	LU 17	64631	962923	0.078	-58001	LU 2	-47535	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	12.78	0	3088	LU 17	3088	10488	68363	0	10488	1	Si
20	0.06	11.71	0	2903	LU 17	2903	10187	68363	7003	10187	1	Si
34	0.06	7.6	0	2774	LU 17	2774	8821	68363	7003	8821	1	Si
45	0.06	7.6	0	2669	LU 17	2669	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	2460	LU 17	2460	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	2250	LU 17	2250	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	2146	LU 17	2146	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	1936	LU 17	1936	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	1727	LU 17	1727	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	1518	LU 17	1518	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	1309	LU 17	1309	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	1099	LU 17	1099	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	-141	LU 2	-141	-8821	-68363	-7003	-8821	1	Si
238	0.06	7.6	0	890	LU 17	890	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	-302	LU 2	-302	-8821	-68363	-7003	-8821	1	Si
261	0.06	7.6	0	681	LU 17	681	8821	68363	7003	8821	1	Si
261	0.06	7.6	0	-463	LU 2	-463	-8821	-68363	-7003	-8821	1	Si
272	0.06	7.6	0	576	LU 17	576	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	-544	LU 2	-544	-8821	-68363	-7003	-8821	1	Si
295	0.06	7.6	0	386	LU 8	386	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	-724	LU 11	-724	-8821	-68363	-7003	-8821	1	Si
320	0.06	7.6	0	206	LU 8	206	8821	68363	7003	8821	1	Si
320	0.06	7.6	0	-958	LU 11	-958	-8821	-68363	-7003	-8821	1	Si
340	0	7.6	0	64	LU 8	64	8821	68363	0	8821	1	Si
340	0	7.6	0	-1143	LU 11	-1143	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-342765	8	-318893	11.2	124.5	361.4	1837	-275484	1	-254709	8.9	93.4	0	+∞	Si
20	-297025	8	-297025	10.4	124.5	336.6	1837	-235848	1	-235848	8.2	93.4	0	+∞	Si
45	-243039	8	-297025	10.5	124.5	342.8	1837	-189593	1	-235848	8.3	93.4	0	+∞	Si
68	-198731	8	-256340	9.5	124.5	343.2	1837	-152202	1	-200940	7.5	93.4	0	+∞	Si
91	-158126	8	-210986	8.4	124.5	336.8	1837	-118514	1	-162503	6.4	93.4	0	+∞	Si
102	-139212	8	-189698	4.9	124.5	74.1	1837	-103059	1	-144673	6.5	93.4	0	+∞	Si
125	-104162	8	-149898	3.9	124.5	58.6	1837	-74927	1	-111791	5	93.4	0	+∞	Si
147	-72816	8	-113802	3	124.5	44.5	1837	-50498	1	-82613	3.7	93.4	0	+∞	Si
170	51	2	8516	0.2	124.5	3.3	1837								Si
170	-45173	8	-81410	2.1	124.5	31.8	1837	-29772	1	-57138	2.6	93.4	0	+∞	Si
193	7263	2	11107	0.3	124.5	4.3	1837								Si
193	-21234	8	-52721	1.4	124.5	20.6	1837	-12750	1	-35366	1.6	93.4	0	+∞	Si
215	10772	2	19421	0.5	124.5	7.6	1837	3630	2	12116	0.5	93.4	0	+∞	Si
215	-997	8	-27735	0.7	124.5	10.8	1837								Si
238	15811	9	31205	0.8	124.5	12.2	1837	10302	2	16982	0.8	93.4	0	+∞	Si
261	28365	8	39284	1	124.5	15.4	1837	16096	1	18305	0.8	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
272	33391	8	41936	1.1	124.5	16.4	1837	17664	1	18305	0.8	93.4	0	+∞	Si
295	40665	8	44329	1.2	124.5	17.3	1837	18021	1	18305	0.8	93.4	0	+∞	Si
295	-6110	2	-21141	0.6	124.5	8.3	1837								Si
320	44329	8	44329	1.2	124.5	17.3	1837	13954	1	18115	0.8	93.4	0	+∞	Si
320	-21141	2	-21141	0.6	124.5	8.3	1837								Si
340	44104	8	44104	1.1	124.5	17.2	1837	7625	1	7625	0.3	93.4	0	+∞	Si
340	-36126	2	-27855	0.7	124.5	10.9	1837	-5501	2	-303	0	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
45	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.004	2	-0.004	2	9999	Si
68	-0.001	-0.003	-0.001	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si
91	-0.001	-0.003	-0.001	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.006	2	9999	Si
102	-0.001	-0.003	-0.001	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.006	2	9999	Si
125	-0.001	-0.003	-0.001	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.006	2	9999	Si
147	-0.001	-0.003	-0.001	-0.003	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si
170	0	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.004	2	-0.005	2	9999	Si
193	0	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	2	-0.004	2	9999	Si
215	0	-0.002	0	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
238	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.003	2	9999	Si
261	0	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.002	2	-0.002	2	9999	Si
272	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	2	-0.002	2	9999	Si
295	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
320	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Trave a "Piano 2" 41-7

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 41 - ?, sezione R 40x70, asta 1148

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	18336	LU 8	18336	962923	0.078	-75235	LU 11	-39076	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	94245	LU 17	171517	962923	0.078	-9124	LU 2	-9124	-962923	0.078	Si
35	7.6	5.4	7.6	5.4	115579	LU 17	190413	962923	0.078	7551	LU 2	-9124	-962923	0.078	Si
70	7.6	5.4	7.6	5.4	205419	LU 17	270960	962923	0.078						Si
105	7.6	5.4	7.6	5.4	284031	LU 17	340280	962923	0.078						Si
141	7.6	5.4	7.6	5.4	351414	LU 17	398371	962923	0.078						Si
158	7.6	5.4	7.6	5.4	380895	LU 17	423206	962923	0.078						Si
193	7.6	5.4	7.6	5.4	431436	LU 17	464455	962923	0.078						Si
228	7.6	5.4	7.6	5.4	470749	LU 17	494475	962923	0.078						Si
263	7.6	5.4	7.6	5.4	498833	LU 17	513267	962923	0.078						Si
299	7.6	5.4	7.6	5.4	515690	LU 17	520831	962923	0.078						Si
316	7.6	5.4	7.6	5.4	519907	LU 17	521318	962923	0.078						Si
334	7.6	5.4	7.6	5.4	521318	LU 17	521318	962923	0.078						Si
369	7.6	5.4	7.6	5.4	515718	LU 17	520836	962923	0.078						Si
404	7.6	5.4	7.6	5.4	498889	LU 17	513300	962923	0.078						Si
422	7.6	5.4	7.6	5.4	486265	LU 17	505322	962923	0.078						Si
457	7.6	5.4	7.6	5.4	452973	LU 18	480943	962923	0.078						Si
492	7.6	5.4	7.6	5.4	411262	LU 18	446266	962923	0.078						Si
512	7.6	5.4	7.6	5.4	382128	LU 18	422597	962923	0.078						Si
527	7.6	5.4	7.6	5.4	358323	LU 18	358323	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3128	LU 18	3128	8821	68363	0	8821	1	Si
28	0.06	7.6	0	2878	LU 18	2878	8821	68363	6987	8821	1	Si
35	0.06	7.6	0	2808	LU 18	2808	8821	68363	6987	8821	1	Si
70	0.06	7.6	0	2489	LU 18	2489	8821	68363	6987	8821	1	Si
105	0.06	7.6	0	2169	LU 18	2169	8821	68363	6987	8821	1	Si
141	0.06	7.6	0	1849	LU 18	1849	8821	68363	6987	8821	1	Si
158	0.06	7.6	0	1689	LU 18	1689	8821	68363	6987	8821	1	Si
193	0.06	7.6	0	1370	LU 18	1370	8821	68363	6987	8821	1	Si
228	0.06	7.6	0	1050	LU 18	1050	8821	68363	6987	8821	1	Si
263	0.06	7.6	0	730	LU 18	730	8821	68363	6987	8821	1	Si
299	0.06	7.6	0	411	LU 18	411	8821	68363	6987	8821	1	Si
334	0.06	7.6	0	120	LU 9	120	8821	68363	6987	8821	1	Si
334	0.06	7.6	0	-123	LU 10	-123	-8821	-68363	-6987	-8821	1	Si
369	0.06	7.6	0	-443	LU 10	-443	-8821	-68363	-6987	-8821	1	Si
404	0.06	7.6	0	-762	LU 10	-762	-8821	-68363	-6987	-8821	1	Si
422	0.06	7.6	0	-922	LU 10	-922	-8821	-68363	-6987	-8821	1	Si
457	0.06	7.6	0	-1242	LU 10	-1242	-8821	-68363	-6987	-8821	1	Si
492	0.06	7.6	0	-1562	LU 10	-1562	-8821	-68363	-6987	-8821	1	Si
512	0.06	7.6	0	-1745	LU 10	-1745	-8821	-68363	-6987	-8821	1	Si
527	0	7.6	0	-1881	LU 10	-1881	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	7974	8	7974	0.2	124.5	3.1	1837								Si
0	-51857	2	-20117	0.5	124.5	7.9	1837	-24482	2	-12750	0.6	93.4	0	+∞	Si
28	68960	8	128031	3.3	124.5	50	1837	45971	1	102648	4.6	93.4	0	+∞	Si
35	85274	8	142470	3.7	124.5	55.7	1837	61657	1	116459	5.2	93.4	0	+∞	Si
70	153936	8	203984	5.3	124.5	79.7	1837	127427	1	175081	7.9	93.4	0	+∞	Si
105	213962	8	256862	6.7	124.5	100.4	1837	184559	1	225066	10.1	93.4	0	+∞	Si
141	265350	8	301102	7.8	124.5	117.7	1837	233055	1	266414	12	93.4	0	+∞	Si
158	287805	8	319984	8.3	124.5	125.1	1837	254064	1	283849	12.7	93.4	0	+∞	Si
193	326238	8	351268	9.2	124.5	137.3	1837	289604	1	312241	14	93.4	0	+∞	Si
228	356033	8	373916	9.7	124.5	146.2	1837	316507	1	331996	14.9	93.4	0	+∞	Si
263	377192	8	387927	10.1	124.5	151.6	1837	334773	1	343114	15.4	93.4	0	+∞	Si
299	389713	8	393300	10.2	124.5	153.7	1837	344402	1	345977	15.5	93.4	0	+∞	Si
334	393598	8	393598	10.3	124.5	153.8	1837	345393	1	345977	15.5	93.4	0	+∞	Si
369	388845	8	393150	10.2	124.5	153.7	1837	337748	1	344447	15.5	93.4	0	+∞	Si
404	375455	8	386908	10.1	124.5	151.2	1837	321465	1	335313	15	93.4	0	+∞	Si
422	365521	8	380549	9.9	124.5	148.7	1837	310085	1	327506	14.7	93.4	0	+∞	Si
457	339429	9	361351	9.4	124.5	141.2	1837	280955	2	305416	13.7	93.4	0	+∞	Si
492	306571	9	334136	8.7	124.5	130.6	1837	243991	2	274954	12.3	93.4	0	+∞	Si
512	283718	9	315487	8.2	124.5	123.3	1837	218785	2	253952	11.4	93.4	0	+∞	Si
527	265077	9	265077	6.9	124.5	103.6	1837	198389	2	198389	8.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
28	0.006	0.004	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.011	1	0.011	1	9999	Si
35	0.007	0.006	0.007	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.015	1	0.014	1	9999	Si
70	0.014	0.011	0.013	0.01	0.012	0.012	0.011	0.011	0.012	0.012	0.029	1	0.028	1	9999	Si
105	0.02	0.016	0.018	0.015	0.018	0.017	0.016	0.015	0.018	0.017	0.042	1	0.041	1	9999	Si
141	0.026	0.021	0.023	0.019	0.023	0.022	0.021	0.02	0.023	0.022	0.053	1	0.052	1	9934	Si
158	0.028	0.023	0.025	0.021	0.025	0.024	0.023	0.021	0.025	0.024	0.058	1	0.057	1	9093	Si
193	0.032	0.026	0.029	0.024	0.029	0.027	0.026	0.025	0.028	0.028	0.066	1	0.065	1	7983	Si
228	0.035	0.029	0.031	0.026	0.031	0.03	0.028	0.027	0.03	0.03	0.071	1	0.07	1	7371	Si
263	0.036	0.03	0.033	0.027	0.032	0.031	0.029	0.028	0.032	0.031	0.074	1	0.073	1	7108	Si
281	0.036	0.03	0.033	0.027	0.032	0.031	0.029	0.028	0.032	0.031	0.074	1	0.073	1	7088	Si
299	0.036	0.03	0.032	0.027	0.032	0.031	0.029	0.028	0.031	0.031	0.074	1	0.073	1	7141	Si
334	0.034	0.029	0.031	0.026	0.031	0.029	0.028	0.026	0.03	0.03	0.07	1	0.069	1	7489	Si
369	0.031	0.026	0.028	0.023	0.028	0.027	0.025	0.024	0.027	0.027	0.064	1	0.063	1	8252	Si
404	0.027	0.022	0.024	0.02	0.024	0.023	0.021	0.02	0.023	0.023	0.054	1	0.054	1	9700	Si
422	0.024	0.02	0.022	0.018	0.021	0.02	0.019	0.018	0.021	0.02	0.048	1	0.048	1	9999	Si
457	0.017	0.014	0.015	0.013	0.015	0.015	0.014	0.013	0.015	0.015	0.035	1	0.034	1	9999	Si
492	0.009	0.008	0.008	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.018	1	0.018	1	9999	Si
512	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.008	1	0.008	1	9999	Si

Campata 2 tra i fili ? - 18, sezione R 40x70, asta 1149

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	384025	LU 18	323161	962923	0.078						Si
12	7.6	5.4	7.6	5.4	285700	LU 18	283295	962923	0.078						Si
15	7.6	5.4	7.6	5.4	261314	LU 18	261314	962923	0.078	132990	LU 1	-38772	-962923	0.078	Si
24	7.6	5.4	7.6	5.4	186056	LU 18	261314	962923	0.078	82768	LU 1	-106492	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	85091	LU 18	261314	962923	0.078	15269	LU 1	-197427	-962923	0.078	Si
48	7.6	5.4	7.6	5.4	-1219	LU 9	227432	962923	0.078	-69220	LU 10	-292748	-962923	0.078	Si
54	7.6	5.4	7.6	5.4	-42465	LU 9	177388	962923	0.078	-114249	LU 10	-345478	-962923	0.078	Si
66	7.6	5.4	7.6	5.4	-125718	LU 9	76310	962923	0.078	-205298	LU 10	-455419	-962923	0.078	Si
78	13.27	5.4	7.6	5.4	-198030	LU 2	14343	963518	0.08	-301719	LU 13	-566680	-1635781	0.091	Si
90	14.97	5.4	7.6	5.4	-266538	LU 2	15127	963620	0.08	-409734	LU 17	-679261	-1837715	0.095	Si
102	16.67	5.4	7.6	5.4	-336062	LU 2	13932	963704	0.081	-520449	LU 17	-793162	-2039408	0.1	Si
114	18.38	5.4	7.6	5.4	-406601	LU 2	10757	963773	0.081	-632484	LU 17	-908382	-2240869	0.105	Si
126	19.01	5.4	7.6	5.4	-478155	LU 2	5602	963795	0.081	-745838	LU 17	-1024923	-2315301	0.107	Si
132	19.01	5.4	7.6	5.4	-514313	LU 2	2282	963795	0.081	-803010	LU 17	-1074912	-2315301	0.107	Si
145	19.01	5.4	7.6	5.4						-918345	LU 17	-1074912	-2315301	0.107	Si
157	19.01	5.4	7.6	5.4						-1034999	LU 17	-1074912	-2315301	0.107	Si
161	19.01	5.4	7.6	5.4						-1074912	LU 17	-1074912	-2315301	0.107	Si
169	19.01	5.4	7.6	5.4						-1152972	LU 17	-1137242	-2315301	0.107	Si
181	19.01	5.4	7.6	5.4						-1272266	LU 17	-1172697	-2315301	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-8317	LU 17	-8317	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-8426	LU 17	-8426	-8821	-68363	0	-8821	1	Si
15	0.11	7.6	0	-8453	LU 17	-8453	-8821	-68363	-12821	-12821	1	Si
24	0.11	7.6	0	-8536	LU 17	-8536	-8821	-68363	-12821	-12821	1	Si
36	0.11	7.6	0	-8645	LU 17	-8645	-8821	-68363	-12821	-12821	1	Si
48	0.11	7.6	0	-8755	LU 17	-8755	-8821	-68363	-12821	-12821	1	Si
54	0.11	7.6	0	-8810	LU 17	-8810	-8821	-68363	-12821	-12821	1	Si
66	0.11	7.6	0	-8919	LU 17	-8919	-8821	-68363	-12821	-12821	1	Si
78	0.11	7.6	0	-9029	LU 17	-9029	-8821	-68363	-12821	-12821	1	Si
90	0.11	7.6	0	-9139	LU 17	-9139	-8821	-68363	-12821	-12821	1	Si
102	0.11	7.6	0	-9248	LU 17	-9248	-8821	-68363	-12821	-12821	1	Si
114	0.11	7.6	0	-9358	LU 17	-9358	-8821	-68363	-12821	-12821	1	Si
126	0.11	7.6	0	-9467	LU 17	-9467	-8821	-68363	-12821	-12821	1	Si
132	0.11	7.6	0	-9522	LU 17	-9522	-8821	-68363	-12821	-12821	1	Si
145	0.11	13.27	0	-9632	LU 17	-9632	-10619	-68363	-12821	-12821	1	Si
157	0.11	14.97	0	-9741	LU 17	-9741	-11056	-68363	-12821	-12821	1	Si
161	0.11	15.82	0	-9779	LU 17	-9779	-11261	-68363	-12821	-12821	1	Si
169	0	16.67	0	-9851	LU 17	-9851	-11460	-68363	0	-11460	1	Si
181	0	18.38	0	-9961	LU 17	-9961	-11837	-68363	0	-11837	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	284646	9	238672	6.2	124.5	93.3	1837	216283	2	176238	7.9	93.4	0	+∞	Si
12	210367	9	208550	5.4	124.5	81.5	1837	151526	2	149939	6.7	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
15	191941	9	191941	5	124.5	75	1837	135438	2	135438	6.1	93.4	0	+∞	Si
24	135073	9	191941	5	124.5	75	1837	85753	2	135438	6.1	93.4	0	+∞	Si
36	58763	9	191941	5	124.5	75	1837	18966	2	135438	6.1	93.4	0	+∞	Si
48	-53246	1	-224876	5.9	124.5	87.9	1837	-53246	1	-222832	10	93.4	0	+∞	Si
54	-87884	1	-264811	6.9	124.5	103.5	1837	-87884	1	-258696	11.6	93.4	0	+∞	Si
66	-157921	1	-347771	9.1	124.5	135.9	1837	-157921	1	-331184	14.9	93.4	0	+∞	Si
78	-231676	4	-431745	15.8	124.5	557.7	1837	-228974	1	-404687	14.8	93.4	0	+∞	Si
90	-313295	8	-516735	18.2	124.5	594.4	1837	-301042	1	-479206	16.8	93.4	0	+∞	Si
102	-396849	8	-602740	20.4	124.5	625.5	1837	-374125	1	-554739	18.8	93.4	0	+∞	Si
114	-481419	8	-689760	22.7	124.5	652.3	1837	-448223	1	-631288	20.7	93.4	0	+∞	Si
126	-567004	8	-777796	25.3	124.5	712.2	1837	-523337	1	-708852	23	93.4	0	+∞	Si
132	-610177	8	-815563	26.5	124.5	746.8	1837	-561274	1	-742166	24.1	93.4	0	+∞	Si
145	-697284	8	-815563	26.5	124.5	746.8	1837	-637911	1	-742166	24.1	93.4	0	+∞	Si
157	-785407	8	-815563	26.5	124.5	746.8	1837	-715562	1	-742166	24.1	93.4	0	+∞	Si
161	-815563	8	-815563	26.5	124.5	746.8	1837	-742166	1	-742166	24.1	93.4	0	+∞	Si
169	-874545	8	-862657	28	124.5	790	1837	-794229	1	-783717	25.5	93.4	0	+∞	Si
181	-964699	8	-889445	28.9	124.5	814.5	1837	-873911	1	-807352	26.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
12	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
15	0	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
24	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
36	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
48	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
54	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
66	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
78	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
90	-0.003	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
102	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	2	-0.009	2	9999	Si
114	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.009	2	-0.009	2	9999	Si
126	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
132	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
145	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
157	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	2	-0.005	2	9999	Si
161	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
169	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si

Campata 3 tra i fili 18 - 7, sezione R 40x70, asta 1150

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-967215	LU 17	-913181	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-862413	LU 17	-862413	-2315301	0.107	Si
45	18.58	5.4	7.6	5.4						-734799	LU 17	-862413	-2264373	0.106	Si
68	15.37	5.4	7.6	5.4						-625813	LU 17	-766608	-1885126	0.096	Si
91	12.17	5.4	7.6	5.4	-283361	LU 2	15285	963440	0.08	-521642	LU 17	-656262	-1504999	0.088	Si
102	7.6	5.4	7.6	5.4	-254388	LU 2	26681	962923	0.078	-471361	LU 17	-602894	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	-199220	LU 2	44214	962923	0.078	-374411	LU 17	-499770	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	-147756	LU 2	54733	962923	0.078	-282276	LU 17	-401460	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	-99995	LU 2	58240	962923	0.078	-194956	LU 17	-307964	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	-55937	LU 2	54733	962923	0.078	-112449	LU 17	-219284	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	-15583	LU 2	57687	962923	0.078	-35067	LU 13	-135417	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	38120	LU 17	124390	962923	0.078	21068	LU 2	-56366	-962923	0.078	Si
249	7.6	5.4	7.6	5.4	72753	LU 17	155936	962923	0.078	38004	LU 2	-19985	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	138408	LU 17	215416	962923	0.078						Si
295	7.6	5.4	7.6	5.4	199249	LU 17	261442	962923	0.078						Si
320	7.6	5.4	7.6	5.4	261442	LU 17	261442	962923	0.078						Si
340	7.6	5.4	7.6	5.4	306487	LU 17	284507	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.37	0	5262	LU 17	5262	11153	68363	0	11153	1	Si
20	0.06	13.77	0	5077	LU 17	5077	10751	68363	7003	10751	1	Si
34	0.06	7.6	0	4948	LU 17	4948	8821	68363	7003	8821	1	Si
45	0.06	7.6	0	4843	LU 17	4843	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	4634	LU 17	4634	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	4424	LU 17	4424	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	4320	LU 17	4320	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	4110	LU 17	4110	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	3901	LU 17	3901	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	3692	LU 17	3692	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	3482	LU 17	3482	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	3273	LU 17	3273	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	3064	LU 17	3064	8821	68363	7003	8821	1	Si
249	0.06	7.6	0	2959	LU 17	2959	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	2750	LU 17	2750	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	2540	LU 17	2540	8821	68363	7003	8821	1	Si
320	0.06	7.6	0	2306	LU 17	2306	8821	68363	7003	8821	1	Si
340	0	7.6	0	2122	LU 17	2122	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-732792	8	-691751	22.5	124.5	633.5	1837	-659868	1	-622227	20.2	93.4	0	+∞	Si
20	-653207	8	-653207	21.2	124.5	598.2	1837	-586985	1	-586985	19.1	93.4	0	+∞	Si
45	-556348	8	-653207	21.4	124.5	611.4	1837	-498617	1	-586985	19.2	93.4	0	+∞	Si
68	-473682	8	-580486	20.2	124.5	651.1	1837	-423547	1	-520609	18.1	93.4	0	+∞	Si
91	-394718	8	-496773	18.8	124.5	697.4	1837	-352180	1	-444492	16.8	93.4	0	+∞	Si
102	-356625	8	-456306	11.9	124.5	178.4	1837	-317885	1	-407823	18.3	93.4	0	+∞	Si
125	-283217	8	-378148	9.9	124.5	147.8	1837	-252073	1	-337261	15.1	93.4	0	+∞	Si
147	-213513	8	-303694	7.9	124.5	118.7	1837	-189965	1	-270403	12.1	93.4	0	+∞	Si
170	-147512	8	-232943	6.1	124.5	91	1837	-131560	1	-207249	9.3	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
193	-85214	8	-165895	4.3	124.5	64.8	1837	-76859	1	-147798	6.6	93.4	0	+∞	Si
215	-26826	4	-102552	2.7	124.5	40.1	1837	-25861	1	-92050	4.1	93.4	0	+∞	Si
238	28271	8	93134	1.8	124.5	36.4	1837	21433	1	76554	3.4	93.4	0	+∞	Si
249	54327	8	116815	3	124.5	45.7	1837	43692	1	96438	4.3	93.4	0	+∞	Si
272	103663	8	161401	4.2	124.5	63.1	1837	85431	1	133427	6	93.4	0	+∞	Si
295	149295	8	195829	5.1	124.5	76.5	1837	123467	1	161511	7.2	93.4	0	+∞	Si
320	195829	8	195829	5.1	124.5	76.5	1837	161511	1	161511	7.2	93.4	0	+∞	Si
340	229448	8	213063	5.6	124.5	83.3	1837	188428	1	175443	7.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
45	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	2	-0.012	2	9999	Si
68	-0.006	-0.007	-0.005	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.014	2	-0.015	2	9999	Si
91	-0.006	-0.008	-0.006	-0.008	-0.007	-0.008	-0.006	-0.007	-0.007	-0.007	-0.016	2	-0.017	2	9999	Si
102	-0.007	-0.008	-0.006	-0.008	-0.007	-0.008	-0.006	-0.007	-0.007	-0.008	-0.017	2	-0.017	2	9999	Si
113	-0.007	-0.009	-0.006	-0.008	-0.007	-0.008	-0.006	-0.007	-0.007	-0.008	-0.017	2	-0.018	2	9999	Si
125	-0.006	-0.008	-0.006	-0.008	-0.007	-0.008	-0.006	-0.007	-0.007	-0.008	-0.017	2	-0.017	2	9999	Si
147	-0.006	-0.008	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.016	2	-0.017	2	9999	Si
170	-0.005	-0.007	-0.005	-0.007	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.014	2	-0.015	2	9999	Si
193	-0.005	-0.006	-0.004	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.012	2	-0.013	2	9999	Si
215	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	2	-0.01	2	9999	Si
238	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	2	-0.008	2	9999	Si
249	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	2	-0.007	2	9999	Si
272	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
295	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
320	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si

Trave a "Piano 2" 42-8

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 42 - ?, sezione R 40x70, asta 1143

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	600385	LU 18	558136	1414576	0.086						Si
18	7.6	5.4	11.4	5.4	542516	LU 18	537824	1414576	0.086						Si
28	7.6	5.4	11.4	5.4	512447	LU 18	512447	1414576	0.086						Si
37	7.6	5.4	11.4	5.4	481589	LU 18	512447	1414576	0.086						Si
55	7.6	5.4	10.94	5.4	417602	LU 18	512447	1358990	0.085						Si
73	7.6	5.4	9.7	5.4	354113	LU 17	455379	1212337	0.083						Si
83	7.6	5.4	7.6	5.4	321597	LU 17	423134	962923	0.078						Si
101	7.6	5.4	7.6	5.4	254272	LU 17	359538	962923	0.078						Si
119	7.6	5.4	7.6	5.4	183886	LU 17	294003	962923	0.078						Si
138	7.6	5.4	7.6	5.4	110442	LU 17	225409	962923	0.078	36843	LU 2	-70555	-962923	0.078	Si
156	7.6	5.4	7.6	5.4	33938	LU 17	153756	962923	0.078	-25210	LU 2	-154342	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	-30424	LU 8	79043	962923	0.078	-104817	LU 11	-243722	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	-93653	LU 6	16646	962923	0.078	-190971	LU 12	-336161	-962923	0.078	Si
211	7.6	5.4	7.6	5.4	-157799	LU 6	1054	962923	0.078	-281619	LU 12	-431660	-962923	0.078	Si
220	7.6	5.4	7.6	5.4						-328090	LU 12	-480556	-962923	0.078	Si
238	7.6	5.4	7.6	5.4						-423327	LU 12	-512632	-962923	0.078	Si
255	7.6	5.4	7.6	5.4						-512632	LU 12	-512632	-962923	0.078	Si
257	7.6	5.4	7.6	5.4						-521624	LU 12	-521292	-962923	0.078	Si
275	7.6	5.4	7.6	5.4						-622980	LU 12	-566924	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.32	0	-3152	LU 14	-3152	-9766	-68363	0	-9766	1	Si
18	0	7.6	0	-3319	LU 14	-3319	-8821	-68363	0	-8821	1	Si
28	0.072	7.6	0	-3402	LU 14	-3402	-8821	-68363	-8336	-8821	1	Si
37	0.072	7.6	0	-3486	LU 14	-3486	-8821	-68363	-8336	-8821	1	Si
55	0.072	7.6	0	-3653	LU 14	-3653	-8821	-68363	-8336	-8821	1	Si
73	0.072	7.6	0	-3820	LU 14	-3820	-8821	-68363	-8336	-8821	1	Si
83	0.072	7.6	0	-3903	LU 14	-3903	-8821	-68363	-8336	-8821	1	Si
101	0.08	7.6	0	-4070	LU 14	-4070	-8821	-68363	-9333	-9333	1	Si
119	0.08	7.6	0	-4237	LU 14	-4237	-8821	-68363	-9333	-9333	1	Si
138	0.08	7.6	0	-4404	LU 14	-4404	-8821	-68363	-9333	-9333	1	Si
156	0.08	7.6	0	-4570	LU 14	-4570	-8821	-68363	-9333	-9333	1	Si
174	0.08	7.6	0	-4737	LU 14	-4737	-8821	-68363	-9333	-9333	1	Si
193	0.086	7.6	0	-4904	LU 14	-4904	-8821	-68363	-10004	-10004	1	Si
211	0.086	7.6	0	-5071	LU 14	-5071	-8821	-68363	-10004	-10004	1	Si
220	0.086	7.6	0	-5154	LU 14	-5154	-8821	-68363	-10004	-10004	1	Si
238	0.086	7.6	0	-5321	LU 14	-5321	-8821	-68363	-10004	-10004	1	Si
255	0.086	7.6	0	-5473	LU 14	-5473	-8821	-68363	-10004	-10004	1	Si
257	0	7.6	0	-5488	LU 14	-5488	-8821	-68363	0	-8821	1	Si
275	0	7.6	0	-5655	LU 14	-5655	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	454613	9	422741	16.3	124.5	631.6	1837	411586	2	382864	14.8	93.4	0	+∞	Si
18	410935	9	407396	15.7	124.5	608.6	1837	372109	2	368919	14.3	93.4	0	+∞	Si
28	388222	9	388222	15	124.5	580	1837	351496	2	351496	13.6	93.4	0	+∞	Si
37	364904	9	388222	15	124.5	580	1837	330279	2	351496	13.6	93.4	0	+∞	Si
55	316519	9	388222	15.2	124.5	603.9	1837	286095	2	351496	13.8	93.4	0	+∞	Si
73	268152	8	345089	14.1	124.5	602.6	1837	240575	1	312206	12.8	93.4	0	+∞	Si
83	243337	8	320703	8.4	124.5	125.4	1837	217040	1	289920	13	93.4	0	+∞	Si
101	191942	8	272292	7.1	124.5	106.4	1837	168204	1	244496	11	93.4	0	+∞	Si
119	138193	8	222274	5.8	124.5	86.9	1837	117015	1	197038	8.8	93.4	0	+∞	Si
138	82091	8	169903	4.4	124.5	66.4	1837	63473	1	147227	6.6	93.4	0	+∞	Si
156	23635	8	115179	3	124.5	45	1837	7577	1	95062	4.3	93.4	0	+∞	Si
156	-14281	2	-114349	3	124.5	44.7	1837								Si
174	-76635	2	-182200	4.7	124.5	71.2	1837	-58461	2	-157628	7.1	93.4	0	+∞	Si
193	-142150	3	-252404	6.6	124.5	98.7	1837	-120295	2	-223193	10	93.4	0	+∞	Si
211	-210977	3	-324961	8.5	124.5	127	1837	-184482	2	-291112	13.1	93.4	0	+∞	Si
220	-246272	3	-362122	9.4	124.5	141.5	1837	-217458	2	-325953	14.6	93.4	0	+∞	Si
238	-318628	3	-386503	10.1	124.5	151.1	1837	-285176	2	-348833	15.6	93.4	0	+∞	Si
255	-386503	3	-386503	10.1	124.5	151.1	1837	-348833	2	-348833	15.6	93.4	0	+∞	Si
257	-393338	3	-393086	10.2	124.5	153.6	1837	-355246	2	-355012	15.9	93.4	0	+∞	Si
275	-470401	3	-427774	11.1	124.5	167.2	1837	-427670	2	-387573	17.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
28	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
37	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
55	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	1	0.005	1	9999	Si
73	0.003	0.002	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
83	0.003	0.002	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
101	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	1	0.005	1	9999	Si
119	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.004	1	9999	Si
138	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.002	0.003	1	0.003	1	9999	Si
156	0.002	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
174	0.001	0	0.001	0	0.001	0	0	0	0.001	0	0.001	1	0	1	9999	Si
193	0	0	0	-0.001	0	0	0	0	0	0	0	1	-0.001	1	9999	Si
211	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	1	-0.002	1	9999	Si
220	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
238	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
255	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
257	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si

Campata 2 tra i fili ? - ?, sezione R 40x70, asta 1144

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-284468	LU 12	-284468	-962923	0.078	Si
12	7.6	5.4	7.6	5.4						-288084	LU 12	-288084	-962923	0.078	Si
20	7.6	5.4	7.6	5.4						-291360	LU 12	-307809	-962923	0.078	Si
24	7.6	5.4	7.6	5.4						-292974	LU 12	-310410	-962923	0.078	Si
35	7.6	5.4	7.6	5.4						-299139	LU 12	-319705	-962923	0.078	Si
47	7.6	5.4	7.6	5.4	-172475	LU 6	2401	962923	0.078	-306577	LU 12	-330274	-962923	0.078	Si
53	7.6	5.4	7.6	5.4	-176130	LU 6	5507	962923	0.078	-310774	LU 12	-336037	-962923	0.078	Si
65	7.6	5.4	7.6	5.4	-184175	LU 6	10286	962923	0.078	-320125	LU 12	-348517	-962923	0.078	Si
77	7.6	5.4	7.6	5.4	-193200	LU 6	13153	962923	0.078	-330749	LU 12	-362272	-962923	0.078	Si
89	7.6	5.4	7.6	5.4	-203205	LU 6	14109	962923	0.078	-342648	LU 12	-377301	-962923	0.078	Si
101	7.6	5.4	7.6	5.4	-214190	LU 6	13153	962923	0.078	-355820	LU 12	-393604	-962923	0.078	Si
112	7.6	5.4	7.6	5.4	-226156	LU 6	10286	962923	0.078	-370268	LU 12	-411182	-962923	0.078	Si
124	7.6	5.4	7.6	5.4	-239102	LU 6	5507	962923	0.078	-385989	LU 12	-430033	-962923	0.078	Si
136	7.6	5.4	7.6	5.4						-402985	LU 12	-437022	-962923	0.078	Si
142	7.6	5.4	7.6	5.4						-411960	LU 12	-437022	-962923	0.078	Si
154	7.6	5.4	7.6	5.4						-430867	LU 12	-437022	-962923	0.078	Si
157	7.6	5.4	7.6	5.4						-437022	LU 12	-437022	-962923	0.078	Si
166	7.6	5.4	7.6	5.4						-451049	LU 12	-447973	-962923	0.078	Si
177	7.6	5.4	7.6	5.4						-472504	LU 12	-453872	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-441	LU 10	-441	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-549	LU 10	-549	-8821	-68363	0	-8821	1	Si
20	0.095	7.6	0	-623	LU 10	-623	-8821	-68363	-11034	-11034	1	Si
24	0.095	7.6	0	-656	LU 10	-656	-8821	-68363	-11034	-11034	1	Si
35	0.095	7.6	0	-764	LU 10	-764	-8821	-68363	-11034	-11034	1	Si
47	0.095	7.6	0	-872	LU 10	-872	-8821	-68363	-11034	-11034	1	Si
53	0.095	7.6	0	-926	LU 10	-926	-8821	-68363	-11034	-11034	1	Si
65	0.095	7.6	0	-1033	LU 10	-1033	-8821	-68363	-11034	-11034	1	Si
77	0.095	7.6	0	-1141	LU 10	-1141	-8821	-68363	-11034	-11034	1	Si
89	0.095	7.6	0	-1249	LU 10	-1249	-8821	-68363	-11034	-11034	1	Si
101	0.095	7.6	0	-1356	LU 10	-1356	-8821	-68363	-11034	-11034	1	Si
112	0.095	7.6	0	-1464	LU 10	-1464	-8821	-68363	-11034	-11034	1	Si
124	0.095	7.6	0	-1572	LU 10	-1572	-8821	-68363	-11034	-11034	1	Si
136	0.095	7.6	0	-1679	LU 10	-1679	-8821	-68363	-11034	-11034	1	Si
142	0.095	7.6	0	-1733	LU 10	-1733	-8821	-68363	-11034	-11034	1	Si
154	0.095	7.6	0	-1841	LU 10	-1841	-8821	-68363	-11034	-11034	1	Si
157	0.095	7.6	0	-1874	LU 10	-1874	-8821	-68363	-11034	-11034	1	Si
166	0	7.6	0	-1949	LU 10	-1949	-8821	-68363	0	-8821	1	Si
177	0	7.6	0	-2056	LU 10	-2056	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-210897	3	-210897	5.5	124.5	81.8	1837	-172370	2	-172370	7.7	93.4	0	+∞	Si
12	-213909	3	-213909	5.6	124.5	83.6	1837	-176533	2	-176533	7.9	93.4	0	+∞	Si
20	-216588	3	-229805	6	124.5	89.8	1837	-180008	2	-196057	8.8	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
24	-217900	3	-231877	6	124.5	90.6	1837	-181677	2	-198486	8.9	93.4	0	+∞	Si
35	-222872	3	-239257	6.2	124.5	93.5	1837	-187802	2	-207018	9.3	93.4	0	+∞	Si
47	-228824	3	-247617	6.5	124.5	96.8	1837	-194906	2	-216530	9.7	93.4	0	+∞	Si
53	-232168	3	-252165	6.6	124.5	98.6	1837	-198826	2	-221654	9.9	93.4	0	+∞	Si
65	-239590	3	-261995	6.8	124.5	101.8	1837	-207401	2	-232637	10.4	93.4	0	+∞	Si
77	-247992	3	-272805	7.1	124.5	106.6	1837	-216956	2	-244600	11	93.4	0	+∞	Si
89	-257375	3	-284596	7.4	124.5	111.2	1837	-227491	2	-257543	11.6	93.4	0	+∞	Si
101	-267738	3	-297367	7.7	124.5	116.2	1837	-239006	2	-271466	12.2	93.4	0	+∞	Si
112	-279081	3	-311118	8.1	124.5	121.6	1837	-251501	2	-286370	12.8	93.4	0	+∞	Si
124	-291404	3	-325849	8.5	124.5	127.4	1837	-264977	2	-302253	13.6	93.4	0	+∞	Si
136	-304707	3	-331306	8.6	124.5	129.5	1837	-279433	2	-308117	13.8	93.4	0	+∞	Si
142	-311727	3	-331306	8.6	124.5	129.5	1837	-287029	2	-308117	13.8	93.4	0	+∞	Si
154	-326500	3	-331306	8.6	124.5	129.5	1837	-302955	2	-308117	13.8	93.4	0	+∞	Si
157	-331306	3	-331306	8.6	124.5	129.5	1837	-308117	2	-308117	13.8	93.4	0	+∞	Si
166	-342254	3	-339856	8.9	124.5	132.8	1837	-319861	2	-317301	14.2	93.4	0	+∞	Si
177	-358988	3	-344462	9	124.5	134.6	1837	-337748	2	-322247	14.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
24	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
35	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.004	1	-0.004	1	9999	Si
47	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
53	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
65	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
77	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	1	-0.006	1	9999	Si
89	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
95	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
101	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
112	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	1	-0.006	1	9999	Si
124	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
136	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
142	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
154	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
157	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
166	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Campata 3 tra i fili ? - ?, sezione R 40x70, asta 1145

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-330267	LU 12	-264536	-962923	0.078	Si
5	7.6	5.4	7.6	5.4						-299464	LU 12	-261005	-962923	0.078	Si
9	7.6	5.4	7.6	5.4						-268861	LU 12	-250410	-962923	0.078	Si
14	7.6	5.4	7.6	5.4						-238460	LU 12	-232795	-962923	0.078	Si
19	7.6	5.4	7.6	5.4						-209971	LU 11	-209758	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	-84515	LU 8	56702	962923	0.078	-202851	LU 11	-202851	-962923	0.078	Si
21	7.6	5.4	7.6	5.4	-78786	LU 8	62339	962923	0.078	-195970	LU 11	-202851	-962923	0.078	Si
26	7.6	5.4	7.6	5.4	-55586	LU 8	89962	962923	0.078	-168119	LU 11	-202851	-962923	0.078	Si
31	7.6	5.4	7.6	5.4	-32541	LU 8	93419	962923	0.078	-140470	LU 11	-202851	-962923	0.078	Si
35	7.6	5.4	7.6	5.4	-9651	LU 8	93419	962923	0.078	-113021	LU 11	-202851	-962923	0.078	Si
40	7.6	5.4	7.6	5.4	13085	LU 8	93419	962923	0.078	-85773	LU 11	-202851	-962923	0.078	Si
45	7.6	5.4	7.6	5.4	35666	LU 8	93419	962923	0.078	-58727	LU 11	-202851	-962923	0.078	Si
49	7.6	5.4	7.6	5.4	58092	LU 8	93419	962923	0.078	-31882	LU 11	-201112	-962923	0.078	Si
54	7.6	5.4	7.6	5.4	84911	LU 17	93419	962923	0.078	-9785	LU 2	-173224	-962923	0.078	Si
56	7.6	5.4	7.6	5.4	93419	LU 17	93419	962923	0.078	-3247	LU 2	-164638	-962923	0.078	Si
56	7.6	5.4	7.6	5.4	98665	LU 17	98506	962923	0.078						Si
61	7.6	5.4	7.6	5.4	126023	LU 17	120051	962923	0.078						Si
66	7.6	5.4	7.6	5.4	153180	LU 17	132978	962923	0.078						Si
71	7.6	5.4	7.6	5.4	180136	LU 17	137286	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	6845	LU 18	6845	8821	68363	0	8821	1	Si
5	0	7.6	0	6802	LU 18	6802	8821	68363	0	8821	1	Si
9	0	7.6	0	6759	LU 18	6759	8821	68363	0	8821	1	Si
14	0	7.6	0	6717	LU 18	6717	8821	68363	0	8821	1	Si
19	0	7.6	0	6674	LU 18	6674	8821	68363	0	8821	1	Si
20	0.142	7.6	0	6663	LU 18	6663	8821	68363	16430	16430	1	Si
21	0.142	7.6	0	6652	LU 18	6652	8821	68363	16430	16430	1	Si
26	0.142	7.6	0	6610	LU 18	6610	8821	68363	16430	16430	1	Si
31	0.142	7.6	0	6567	LU 18	6567	8821	68363	16430	16430	1	Si
35	0.142	7.6	0	6524	LU 18	6524	8821	68363	16430	16430	1	Si
40	0.142	7.6	0	6481	LU 18	6481	8821	68363	16430	16430	1	Si
45	0.142	7.6	0	6438	LU 18	6438	8821	68363	16430	16430	1	Si
49	0.142	7.6	0	6396	LU 18	6396	8821	68363	16430	16430	1	Si
54	0.142	7.6	0	6353	LU 18	6353	8821	68363	16430	16430	1	Si
56	0.142	7.6	0	6340	LU 18	6340	8821	68363	16430	16430	1	Si
56	0	7.6	0	6332	LU 18	6332	8821	68363	0	8821	1	Si
61	0	7.6	0	6289	LU 18	6289	8821	68363	0	8821	1	Si
66	0	7.6	0	6246	LU 18	6246	8821	68363	0	8821	1	Si
71	0	7.6	0	6203	LU 18	6203	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-246942	3	-197545	5.1	124.5	77.2	1837	-213298	2	-170076	7.6	93.4	0	+∞	Si
5	-223795	3	-194893	5.1	124.5	76.2	1837	-193054	2	-167765	7.5	93.4	0	+∞	Si
9	-200803	3	-186937	4.9	124.5	73.1	1837	-172964	2	-160832	7.2	93.4	0	+∞	Si
14	-177965	3	-173704	4.5	124.5	67.9	1837	-153029	2	-149277	6.7	93.4	0	+∞	Si
19	-156423	2	-156262	4.1	124.5	61.1	1837	-133249	2	-133100	6	93.4	0	+∞	Si
20	-151032	2	-151032	3.9	124.5	59	1837	-128249	2	-128249	5.8	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
21	-145822	2	-151032	3.9	124.5	59	1837	-123417	2	-128249	5.8	93.4	0	+∞	Si
26	-124736	2	-151032	3.9	124.5	59	1837	-103869	2	-128249	5.8	93.4	0	+∞	Si
31	-103805	2	-151032	3.9	124.5	59	1837	-84476	2	-128249	5.8	93.4	0	+∞	Si
35	-83029	2	-151032	3.9	124.5	59	1837	-65238	2	-128249	5.8	93.4	0	+∞	Si
40	-62407	2	-151032	3.9	124.5	59	1837	-46154	2	-128249	5.8	93.4	0	+∞	Si
45	16804	8	65036	1.7	124.5	25.4	1837								Si
45	-41940	2	-151032	3.9	124.5	59	1837	-27225	2	-128249	5.8	93.4	0	+∞	Si
49	37794	8	65036	1.7	124.5	25.4	1837								Si
49	-21628	2	-149715	3.9	124.5	58.5	1837	-8450	2	-127028	5.7	93.4	0	+∞	Si
54	58628	8	65036	1.7	124.5	25.4	1837	15158	1	20677	0.9	93.4	0	+∞	Si
54	-1470	2	-128601	3.4	124.5	50.3	1837								Si
56	65036	8	65036	1.7	124.5	25.4	1837	20677	1	20677	0.9	93.4	0	+∞	Si
56	68988	8	68868	1.8	124.5	26.9	1837	24081	1	23977	1.1	93.4	0	+∞	Si
61	89590	8	85094	2.2	124.5	33.3	1837	41809	1	37952	1.7	93.4	0	+∞	Si
66	110038	8	94830	2.5	124.5	37.1	1837	59383	1	46336	2.1	93.4	0	+∞	Si
71	130331	8	98075	2.6	124.5	38.3	1837	76802	1	49131	2.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
5	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
9	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
14	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
19	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
21	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
26	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
31	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
35	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
40	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
45	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
49	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
54	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
56	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
56	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
61	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
66	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Campata 4 tra i fili ? - 19, sezione R 40x70, asta 1146

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	183932	LU 17	151297	962923	0.078						Si
13	7.6	5.4	7.6	5.4	126990	LU 17	126326	962923	0.078						Si
15	7.6	5.4	7.6	5.4	117679	LU 17	117679	962923	0.078	30675	LU 2	-63452	-962923	0.078	Si
26	7.6	5.4	7.6	5.4	68880	LU 18	117679	962923	0.078	5712	LU 1	-107132	-962923	0.078	Si
39	7.6	5.4	7.6	5.4	24455	LU 9	117679	962923	0.078	-42548	LU 10	-160525	-962923	0.078	Si
52	7.6	5.4	7.6	5.4	-19427	LU 9	83159	962923	0.078	-94043	LU 10	-215440	-962923	0.078	Si
58	7.6	5.4	7.6	5.4	-41806	LU 9	56505	962923	0.078	-120361	LU 10	-243468	-962923	0.078	Si
71	7.6	5.4	7.6	5.4	-87442	LU 9	13499	962923	0.078	-174137	LU 10	-300664	-962923	0.078	Si
84	13.46	5.4	7.6	5.4	-132280	LU 3	16137	963532	0.08	-229434	LU 10	-366617	-1658031	0.091	Si
97	15.28	5.4	7.6	5.4	-170463	LU 3	16616	963637	0.08	-286251	LU 10	-436082	-1874759	0.096	Si
110	17.11	5.4	7.6	5.4	-209816	LU 3	14813	963723	0.081	-350003	LU 15	-507851	-2091233	0.101	Si
123	18.94	5.4	7.6	5.4	-249109	LU 2	10730	963793	0.081	-418425	LU 17	-581140	-2307379	0.107	Si
136	19.01	5.4	7.6	5.4	-288124	LU 2	4365	963795	0.081	-489815	LU 17	-650716	-2315301	0.107	Si
149	19.01	5.4	7.6	5.4						-562726	LU 17	-650716	-2315301	0.107	Si
155	19.01	5.4	7.6	5.4						-599752	LU 17	-650716	-2315301	0.107	Si
164	19.01	5.4	7.6	5.4						-650716	LU 17	-650716	-2315301	0.107	Si
168	19.01	5.4	7.6	5.4						-674945	LU 17	-673239	-2315301	0.107	Si
181	19.01	5.4	7.6	5.4						-751658	LU 17	-722018	-2315301	0.107	Si
194	19.01	5.4	7.6	5.4						-829892	LU 17	-738278	-2315301	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-4346	LU 17	-4346	-8821	-68363	0	-8821	1	Si
13	0	7.6	0	-4464	LU 17	-4464	-8821	-68363	0	-8821	1	Si
15	0.128	7.6	0	-4482	LU 17	-4482	-8821	-68363	-14891	-14891	1	Si
26	0.128	7.6	0	-4581	LU 17	-4581	-8821	-68363	-14891	-14891	1	Si
39	0.128	7.6	0	-4699	LU 17	-4699	-8821	-68363	-14891	-14891	1	Si
52	0.128	7.6	0	-4816	LU 17	-4816	-8821	-68363	-14891	-14891	1	Si
58	0.128	7.6	0	-4875	LU 17	-4875	-8821	-68363	-14891	-14891	1	Si
71	0.128	7.6	0	-4993	LU 17	-4993	-8821	-68363	-14891	-14891	1	Si
84	0.128	7.6	0	-5111	LU 17	-5111	-8821	-68363	-14891	-14891	1	Si
97	0.128	7.6	0	-5228	LU 17	-5228	-8821	-68363	-14891	-14891	1	Si
110	0.128	7.6	0	-5346	LU 17	-5346	-8821	-68363	-14891	-14891	1	Si
123	0.128	7.6	0	-5463	LU 17	-5463	-8821	-68363	-14891	-14891	1	Si
136	0.128	7.6	0	-5581	LU 17	-5581	-8821	-68363	-14891	-14891	1	Si
149	0.128	13.46	0	-5699	LU 17	-5699	-10669	-68363	-14891	-14891	1	Si
155	0.128	14.37	0	-5758	LU 17	-5758	-10906	-68363	-14891	-14891	1	Si
164	0.128	15.28	0	-5838	LU 17	-5838	-11132	-68363	-14891	-14891	1	Si
168	0	16.2	0	-5875	LU 17	-5875	-11350	-68363	0	-11350	1	Si
181	0	18.03	0	-5993	LU 17	-5993	-11762	-68363	0	-11762	1	Si
194	0	19.01	0	-6111	LU 17	-6111	-11971	-68363	0	-11971	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	133166	8	108658	2.8	124.5	42.5	1837	79086	1	58449	2.6	93.4	0	+∞	Si
13	90391	8	89892	2.3	124.5	35.1	1837	42984	1	42559	1.9	93.4	0	+∞	Si
15	83394	8	83394	2.2	124.5	32.6	1837	37056	1	37056	1.7	93.4	0	+∞	Si
26	46681	9	83394	2.2	124.5	32.6	1837	5813	2	37056	1.7	93.4	0	+∞	Si
39	5393	9	83394	2.2	124.5	32.6	1837								Si
39	-32729	1	-123481	3.2	124.5	48.3	1837	-32729	1	-123481	5.5	93.4	0	+∞	Si
52	-72341	1	-165723	4.3	124.5	64.8	1837	-72341	1	-165723	7.4	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
58	-92585	1	-187283	4.9	124.5	73.2	1837	-92585	1	-187283	8.4	93.4	0	+∞	Si
71	-133951	1	-231280	6	124.5	90.4	1837	-133951	1	-231280	10.4	93.4	0	+∞	Si
84	-176487	1	-281271	10.3	124.5	358.4	1837	-176487	1	-276447	10.1	93.4	0	+∞	Si
97	-220193	1	-333759	11.7	124.5	376.4	1837	-220193	1	-322783	11.3	93.4	0	+∞	Si
110	-268678	6	-387939	13	124.5	392.7	1837	-265069	1	-370290	12.5	93.4	0	+∞	Si
123	-320432	8	-443289	14.4	124.5	407.3	1837	-311115	1	-418966	13.6	93.4	0	+∞	Si
136	-374321	8	-495853	16.1	124.5	454.1	1837	-358331	1	-465319	15.1	93.4	0	+∞	Si
149	-429380	8	-495853	16.1	124.5	454.1	1837	-406716	1	-465319	15.1	93.4	0	+∞	Si
155	-457348	8	-495853	16.1	124.5	454.1	1837	-431347	1	-465319	15.1	93.4	0	+∞	Si
164	-495853	8	-495853	16.1	124.5	454.1	1837	-465319	1	-465319	15.1	93.4	0	+∞	Si
168	-514161	8	-512872	16.7	124.5	469.7	1837	-481488	1	-480346	15.6	93.4	0	+∞	Si
181	-572145	8	-549731	17.9	124.5	503.4	1837	-532798	1	-512892	16.7	93.4	0	+∞	Si
194	-631298	8	-562017	18.3	124.5	514.7	1837	-585278	1	-523740	17	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
13	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
15	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
26	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
39	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
52	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
58	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
71	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.006	2	9999	Si
84	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
97	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
110	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
116	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
123	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
136	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
149	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
155	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	2	-0.006	2	9999	Si
164	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
168	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
181	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si

Campata 5 tra i fili 19 - 8, sezione R 40x70, asta 1147

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-919386	LU 17	-820295	-2315301	0.107	Si
22	19.01	5.4	7.6	5.4						-789240	LU 17	-778774	-2315301	0.107	Si
30	19.01	5.4	7.6	5.4						-740970	LU 17	-740970	-2315301	0.107	Si
43	19.01	5.4	7.6	5.4						-664228	LU 17	-740970	-2315301	0.107	Si
65	17.19	5.4	7.6	5.4						-544351	LU 17	-706215	-2100900	0.102	Si
87	14.12	5.4	7.6	5.4	-269038	LU 2	10300	963573	0.08	-429608	LU 17	-584596	-1737306	0.093	Si
98	12.59	5.4	7.6	5.4	-233407	LU 2	20750	963472	0.08	-374162	LU 17	-525711	-1555290	0.089	Si
109	7.6	5.4	7.6	5.4	-198763	LU 2	29591	962923	0.078	-319999	LU 17	-468110	-962923	0.078	Si
119	7.6	5.4	7.6	5.4	-165106	LU 2	36826	962923	0.078	-267121	LU 17	-411793	-962923	0.078	Si
141	7.6	5.4	7.6	5.4	-100400	LU 3	46471	962923	0.078	-165569	LU 15	-303010	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	-37799	LU 3	55370	962923	0.078	-70996	LU 15	-199361	-962923	0.078	Si
184	7.6	5.4	7.6	5.4	28387	LU 14	138185	962923	0.078	12683	LU 1	-102654	-962923	0.078	Si
206	7.6	5.4	7.6	5.4	110736	LU 13	217374	962923	0.078	68601	LU 2	-12082	-962923	0.078	Si
228	7.6	5.4	7.6	5.4	191068	LU 17	291866	962923	0.078						Si
250	7.6	5.4	9.09	5.4	267303	LU 17	361224	1140026	0.081						Si
260	7.6	5.4	9.82	5.4	303495	LU 17	393977	1226851	0.083						Si
282	7.6	5.4	11.28	5.4	372027	LU 17	411686	1400437	0.086						Si
296	7.6	5.4	11.4	5.4	411686	LU 17	411686	1414576	0.086						Si
304	7.6	5.4	11.4	5.4	435426	LU 17	430583	1414576	0.086						Si
326	7.6	5.4	11.4	5.4	493690	LU 17	451339	1414576	0.086						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.19	0	5587	LU 17	5587	11578	68363	0	11578	1	Si
22	0	14.12	0	5371	LU 17	5371	10843	68363	0	10843	1	Si
30	0.061	12.59	0	5288	LU 17	5288	10435	68363	7032	10435	1	Si
43	0.061	7.6	0	5155	LU 17	5155	8821	68363	7032	8821	1	Si
65	0.061	7.6	0	4939	LU 17	4939	8821	68363	7032	8821	1	Si
87	0.061	7.6	0	4723	LU 17	4723	8821	68363	7032	8821	1	Si
98	0.061	7.6	0	4614	LU 17	4614	8821	68363	7032	8821	1	Si
119	0.061	7.6	0	4398	LU 17	4398	8821	68363	7032	8821	1	Si
141	0.061	7.6	0	4182	LU 17	4182	8821	68363	7032	8821	1	Si
163	0.061	7.6	0	3966	LU 17	3966	8821	68363	7032	8821	1	Si
184	0.061	7.6	0	3750	LU 17	3750	8821	68363	7032	8821	1	Si
206	0.061	7.6	0	3534	LU 17	3534	8821	68363	7032	8821	1	Si
228	0.061	7.6	0	3317	LU 17	3317	8821	68363	7032	8821	1	Si
250	0.061	7.6	0	3101	LU 17	3101	8821	68363	7032	8821	1	Si
260	0.061	7.6	0	2993	LU 17	2993	8821	68363	7032	8821	1	Si
282	0.061	7.6	0	2777	LU 17	2777	8821	68363	7032	8821	1	Si
296	0.061	7.6	0	2644	LU 17	2644	8821	68363	7032	8821	1	Si
304	0	7.6	0	2561	LU 17	2561	8821	68363	0	8821	1	Si
326	0	9.82	0	2345	LU 17	2345	9607	68363	0	9607	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-702535	8	-626785	20.4	124.5	574	1837	-672080	1	-599415	19.5	93.4	0	+∞	Si
22	-603054	8	-595055	19.3	124.5	544.9	1837	-576709	1	-569043	18.5	93.4	0	+∞	Si
30	-566165	8	-566165	18.4	124.5	518.5	1837	-541390	1	-541390	17.6	93.4	0	+∞	Si
43	-507524	8	-566165	18.4	124.5	518.5	1837	-485287	1	-541390	17.6	93.4	0	+∞	Si
65	-415942	8	-539607	18.1	124.5	543.8	1837	-397815	1	-515976	17.3	93.4	0	+∞	Si
87	-328311	8	-446686	16	124.5	543.4	1837	-314292	1	-427163	15.3	93.4	0	+∞	Si
98	-285976	8	-401706	15	124.5	545.7	1837	-274012	1	-384238	14.3	93.4	0	+∞	Si
119	-204269	8	-314709	8.2	124.5	123	1837	-196414	1	-301350	13.5	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
141	-126748	6	-231661	6	124.5	90.5	1837	-122765	1	-222412	10	93.4	0	+∞	Si
163	-54406	6	-152563	4	124.5	59.6	1837	-53066	1	-147423	6.6	93.4	0	+∞	Si
184	20616	5	104717	2.7	124.5	40.9	1837	13366	2	94450	4.2	93.4	0	+∞	Si
206	83755	4	165044	4.3	124.5	64.5	1837	74483	1	150960	6.8	93.4	0	+∞	Si
228	145023	8	221714	5.8	124.5	86.7	1837	132333	1	203520	9.1	93.4	0	+∞	Si
250	203033	8	274433	11.5	124.5	510.1	1837	186234	1	252131	10.6	93.4	0	+∞	Si
260	230557	8	299312	12.2	124.5	516.4	1837	211703	1	274955	11.2	93.4	0	+∞	Si
282	282642	8	312758	12.1	124.5	472	1837	259680	1	287257	11.1	93.4	0	+∞	Si
296	312758	8	312758	12.1	124.5	467.3	1837	287257	1	287257	11.1	93.4	0	+∞	Si
304	330778	8	327104	12.6	124.5	488.7	1837	303706	1	300366	11.6	93.4	0	+∞	Si
326	374964	8	342861	13.2	124.5	512.2	1837	343783	1	314765	12.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	-0.002	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	2	-0.005	2	9999	Si
30	-0.003	-0.004	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
43	-0.004	-0.005	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
65	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	2	-0.01	2	9999	Si
87	-0.005	-0.006	-0.004	-0.004	-0.005	-0.006	-0.004	-0.004	-0.005	-0.006	-0.01	2	-0.011	2	9999	Si
98	-0.005	-0.006	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	2	-0.011	2	9999	Si
119	-0.004	-0.005	-0.003	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.009	2	-0.01	2	9999	Si
141	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
163	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
184	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
206	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
228	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
250	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
260	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
282	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
296	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
304	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	1	0.001	1	9999	Si

Trave a "Piano 2" 43-9

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 43 - ?, sezione R 40x70, asta 1138

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	129607	LU 17	129607	962923	0.078						Si
28	7.6	5.4	7.6	5.4	198624	LU 17	264554	962923	0.078						Si
35	7.6	5.4	7.6	5.4	216722	LU 17	280258	962923	0.078						Si
70	7.6	5.4	7.6	5.4	292681	LU 17	346954	962923	0.078						Si
105	7.6	5.4	7.6	5.4	357483	LU 17	402493	962923	0.078						Si
140	7.6	5.4	7.6	5.4	411127	LU 17	446875	962923	0.078						Si
158	7.6	5.4	7.6	5.4	433766	LU 17	464882	962923	0.078						Si
193	7.6	5.4	7.6	5.4	470675	LU 17	492528	962923	0.078						Si
228	7.6	5.4	7.6	5.4	496427	LU 17	509018	962923	0.078						Si
263	7.6	5.4	7.6	5.4	511022	LU 17	514350	962923	0.078						Si
280	7.6	5.4	7.6	5.4	514136	LU 17	514460	962923	0.078						Si
298	7.6	5.4	7.6	5.4	514460	LU 17	514460	962923	0.078						Si
333	7.6	5.4	7.6	5.4	506741	LU 17	513623	962923	0.078						Si
368	7.6	5.4	7.6	5.4	487865	LU 17	504010	962923	0.078						Si
385	7.6	5.4	7.6	5.4	474243	LU 17	495019	962923	0.078						Si
420	7.6	5.4	7.6	5.4	438632	LU 17	468671	962923	0.078						Si
455	7.6	5.4	7.6	5.4	393659	LU 18	431165	962923	0.078						Si
490	7.6	5.4	7.6	5.4	339755	LU 18	384981	962923	0.078						Si
510	7.6	5.4	7.6	5.4	303760	LU 18	354416	962923	0.078						Si
525	7.6	5.4	7.6	5.4	274694	LU 18	274694	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2762	LU 18	2762	8821	68363	0	8821	1	Si
28	0.06	7.6	0	2512	LU 18	2512	8821	68363	7011	8821	1	Si
35	0.06	7.6	0	2443	LU 18	2443	8821	68363	7011	8821	1	Si
70	0.06	7.6	0	2125	LU 18	2125	8821	68363	7011	8821	1	Si
105	0.06	7.6	0	1806	LU 18	1806	8821	68363	7011	8821	1	Si
140	0.06	7.6	0	1488	LU 18	1488	8821	68363	7011	8821	1	Si
158	0.06	7.6	0	1328	LU 18	1328	8821	68363	7011	8821	1	Si
193	0.06	7.6	0	1010	LU 18	1010	8821	68363	7011	8821	1	Si
228	0.06	7.6	0	691	LU 18	691	8821	68363	7011	8821	1	Si
263	0.06	7.6	0	372	LU 18	372	8821	68363	7011	8821	1	Si
298	0.06	7.6	0	101	LU 9	101	8821	68363	7011	8821	1	Si
298	0.06	7.6	0	-204	LU 10	-204	-8821	-68363	-7011	-8821	1	Si
333	0.06	7.6	0	-523	LU 10	-523	-8821	-68363	-7011	-8821	1	Si
368	0.06	7.6	0	-841	LU 10	-841	-8821	-68363	-7011	-8821	1	Si
385	0.06	7.6	0	-1000	LU 10	-1000	-8821	-68363	-7011	-8821	1	Si
420	0.06	7.6	0	-1319	LU 10	-1319	-8821	-68363	-7011	-8821	1	Si
455	0.06	7.6	0	-1638	LU 10	-1638	-8821	-68363	-7011	-8821	1	Si
490	0.06	7.6	0	-1956	LU 10	-1956	-8821	-68363	-7011	-8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
510	0.06	7.6	0	-2139	LU 10	-2139	-8821	-68363	-7011	-8821	1	Si
525	0	7.6	0	-2275	LU 10	-2275	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	96837	8	96837	2.5	124.5	37.9	1837	78242	1	78242	3.5	93.4	0	+∞	Si
28	149524	8	199814	5.2	124.5	78.1	1837	128313	1	175836	7.9	93.4	0	+∞	Si
35	163336	8	211784	5.5	124.5	82.8	1837	141409	1	187090	8.4	93.4	0	+∞	Si
70	221253	8	262576	6.8	124.5	102.6	1837	195993	1	234549	10.5	93.4	0	+∞	Si
105	270588	8	304785	7.9	124.5	119.1	1837	241995	1	273426	12.3	93.4	0	+∞	Si
140	311340	8	338413	8.8	124.5	132.3	1837	279415	1	303720	13.6	93.4	0	+∞	Si
158	328498	8	352008	9.2	124.5	137.6	1837	294906	1	315649	14.2	93.4	0	+∞	Si
193	356377	8	372762	9.7	124.5	145.7	1837	319452	1	333070	14.9	93.4	0	+∞	Si
228	375673	8	384933	10	124.5	150.5	1837	335416	1	341909	15.3	93.4	0	+∞	Si
263	386388	8	388526	10.1	124.5	151.9	1837	342797	1	343270	15.4	93.4	0	+∞	Si
298	388520	8	388526	10.1	124.5	151.9	1837	341597	1	343270	15.4	93.4	0	+∞	Si
333	382069	8	387789	10.1	124.5	151.6	1837	331813	1	340300	15.3	93.4	0	+∞	Si
368	367037	8	379881	9.9	124.5	148.5	1837	313448	1	329060	14.8	93.4	0	+∞	Si
385	356302	8	372709	9.7	124.5	145.7	1837	301047	1	320221	14.4	93.4	0	+∞	Si
420	328396	8	351928	9.2	124.5	137.6	1837	269808	1	296107	13.3	93.4	0	+∞	Si
455	293104	9	322565	8.4	124.5	126.1	1837	230500	2	263411	11.8	93.4	0	+∞	Si
490	250714	9	286272	7.5	124.5	111.9	1837	183245	2	222841	10	93.4	0	+∞	Si
510	222497	9	262232	6.8	124.5	102.5	1837	152247	2	196020	8.8	93.4	0	+∞	Si
525	199742	9	199742	5.2	124.5	78.1	1837	127408	2	127408	5.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
28	0.006	0.005	0.006	0.004	0.006	0.005	0.005	0.005	0.005	0.005	0.013	1	0.013	1	9999	Si
35	0.008	0.006	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.017	1	0.016	1	9999	Si
70	0.015	0.012	0.014	0.011	0.014	0.013	0.012	0.012	0.013	0.013	0.032	1	0.031	1	9999	Si
105	0.022	0.018	0.02	0.016	0.02	0.018	0.018	0.017	0.019	0.019	0.045	1	0.044	1	9999	Si
140	0.027	0.022	0.025	0.02	0.025	0.023	0.022	0.021	0.024	0.024	0.057	1	0.055	1	9244	Si
158	0.03	0.024	0.027	0.022	0.027	0.025	0.024	0.023	0.026	0.026	0.062	1	0.06	1	8525	Si
193	0.033	0.027	0.03	0.025	0.03	0.028	0.027	0.026	0.029	0.029	0.069	1	0.068	1	7590	Si
228	0.036	0.029	0.032	0.026	0.032	0.03	0.029	0.027	0.031	0.031	0.074	1	0.072	1	7102	Si
263	0.037	0.03	0.033	0.027	0.033	0.031	0.03	0.028	0.032	0.032	0.076	1	0.074	1	6935	Si
298	0.036	0.03	0.033	0.027	0.032	0.031	0.029	0.028	0.032	0.031	0.074	1	0.073	1	7053	Si
333	0.034	0.028	0.031	0.025	0.031	0.029	0.028	0.026	0.03	0.029	0.07	1	0.069	1	7486	Si
368	0.031	0.025	0.028	0.023	0.027	0.026	0.025	0.024	0.027	0.026	0.063	1	0.062	1	8349	Si
385	0.029	0.024	0.026	0.021	0.025	0.024	0.023	0.022	0.025	0.024	0.058	1	0.057	1	9020	Si
420	0.023	0.019	0.021	0.017	0.02	0.02	0.018	0.018	0.02	0.02	0.047	1	0.046	1	9999	Si
455	0.017	0.014	0.015	0.012	0.014	0.014	0.013	0.012	0.014	0.014	0.033	1	0.033	1	9999	Si
490	0.009	0.007	0.008	0.006	0.008	0.007	0.007	0.007	0.007	0.007	0.017	1	0.017	1	9999	Si
510	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.008	1	0.008	1	9999	Si

Campata 2 tra i fili ? - 20, sezione R 40x70, asta 1139

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	307665	LU 18	231774	962923	0.078						Si
12	7.6	5.4	7.6	5.4	184080	LU 18	181307	962923	0.078						Si
15	7.6	5.4	7.6	5.4	154901	LU 18	154901	962923	0.078	43347	LU 1	-214579	-962923	0.078	Si
24	7.6	5.4	7.6	5.4	65962	LU 9	154901	962923	0.078	-29517	LU 10	-302948	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	-34149	LU 9	154901	962923	0.078	-142886	LU 10	-419532	-962923	0.078	Si
43	7.6	5.4	7.6	5.4	-84592	LU 9	154901	962923	0.078	-200075	LU 10	-478329	-962923	0.078	Si
55	11.65	5.4	7.6	5.4	-186254	LU 9	55165	963399	0.08	-315461	LU 10	-604831	-1444208	0.087	Si
67	12.8	5.4	7.6	5.4	-288950	LU 9	11819	963487	0.08	-432191	LU 10	-737742	-1580196	0.09	Si
79	13.94	5.4	7.6	5.4	-381743	LU 2	14636	963561	0.08	-553487	LU 13	-875119	-1716100	0.093	Si
91	18.09	5.4	7.6	5.4	-469055	LU 2	15437	963763	0.081	-684845	LU 13	-1013840	-2206611	0.104	Si
103	19.35	5.4	7.6	5.4	-557401	LU 2	14221	963807	0.081	-821097	LU 17	-1153906	-2355534	0.108	Si
115	20.49	5.4	7.6	5.4	-646781	LU 2	10990	963844	0.081	-959291	LU 17	-1295315	-2490653	0.112	Si
128	21.64	5.4	7.6	5.4	-737195	LU 2	5742	963878	0.081	-1098830	LU 17	-1438069	-2625704	0.115	Si
134	22.21	5.4	7.6	5.4	-782789	LU 2	2362	963894	0.081	-1169103	LU 17	-1504558	-2692652	0.12	Si
146	22.81	5.4	7.6	5.4						-1310658	LU 17	-1504558	-2762053	0.125	Si
158	22.81	5.4	7.6	5.4						-1453557	LU 17	-1504558	-2762053	0.125	Si
162	22.81	5.4	7.6	5.4						-1504558	LU 17	-1504558	-2762053	0.125	Si
170	22.81	5.4	7.6	5.4						-1597800	LU 17	-1579313	-2762053	0.125	Si
182	22.81	5.4	7.6	5.4						-1743387	LU 17	-1623080	-2762053	0.125	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-10375	LU 17	-10375	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-10486	LU 17	-10486	-8821	-68363	0	-8821	1	Si
15	0.116	7.6	0	-10512	LU 17	-10512	-8821	-68363	-13469	-13469	1	Si
24	0.116	7.6	0	-10596	LU 17	-10596	-8821	-68363	-13469	-13469	1	Si
36	0.116	7.6	0	-10707	LU 17	-10707	-8821	-68363	-13469	-13469	1	Si
43	0.116	7.6	0	-10762	LU 17	-10762	-8821	-68363	-13469	-13469	1	Si
55	0.116	7.6	0	-10873	LU 17	-10873	-8821	-68363	-13469	-13469	1	Si
67	0.116	7.6	0	-10983	LU 17	-10983	-8821	-68363	-13469	-13469	1	Si
79	0.116	7.6	0	-11094	LU 17	-11094	-8821	-68363	-13469	-13469	1	Si
91	0.116	7.6	0	-11205	LU 17	-11205	-8821	-68363	-13469	-13469	1	Si
103	0.116	7.6	0	-11315	LU 17	-11315	-8821	-68363	-13469	-13469	1	Si
115	0.116	11.08	0	-11426	LU 17	-11426	-10001	-68363	-13469	-13469	1	Si
128	0.116	12.23	0	-11536	LU 17	-11536	-10334	-68363	-13469	-13469	1	Si
134	0.116	12.8	0	-11592	LU 17	-11592	-10493	-68363	-13469	-13469	1	Si
146	0.116	13.94	0	-11702	LU 17	-11702	-10797	-68363	-13469	-13469	1	Si
158	0.116	18.09	0	-11813	LU 17	-11813	-11775	-68363	-13469	-13469	1	Si
162	0.116	18.77	0	-11852	LU 17	-11852	-11922	-68363	-13469	-13469	1	Si
170	0	19.35	0	-11924	LU 17	-11924	-12042	-68363	0	-12042	1	Si
182	0	20.49	0	-12034	LU 17	-12034	-12275	-68363	0	-12275	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	224924	9	167363	4.4	124.5	65.4	1837	151002	2	99311	4.5	93.4	0	+∞	Si
12	131182	9	129079	3.4	124.5	50.5	1837	66772	2	64880	2.9	93.4	0	+∞	Si
15	109047	9	109047	2.8	124.5	42.6	1837	46865	2	46865	2.1	93.4	0	+∞	Si
24	36407	9	109047	2.8	124.5	42.6	1837								Si
24	-22705	1	-233037	6.1	124.5	91.1	1837	-22705	1	-233037	10.5	93.4	0	+∞	Si
36	-109912	1	-322717	8.4	124.5	126.1	1837	-109912	1	-322717	14.5	93.4	0	+∞	Si
43	-153904	1	-367945	9.6	124.5	143.8	1837	-153904	1	-367945	16.5	93.4	0	+∞	Si
55	-242662	1	-464444	17.8	124.5	679.6	1837	-242662	1	-459177	17.6	93.4	0	+∞	Si
67	-332454	1	-565354	21	124.5	755.9	1837	-332454	1	-551442	20.5	93.4	0	+∞	Si
79	-425429	4	-669378	24.1	124.5	824.3	1837	-423281	1	-644742	23.2	93.4	0	+∞	Si
91	-525249	4	-774437	25.6	124.5	743.5	1837	-515141	1	-739075	24.4	93.4	0	+∞	Si
103	-628469	8	-880529	28.5	124.5	792.8	1837	-608035	1	-834442	27	93.4	0	+∞	Si
115	-733123	8	-987656	31.3	124.5	841.8	1837	-701964	1	-930844	29.5	93.4	0	+∞	Si
128	-838810	8	-1095816	34.2	124.5	886.9	1837	-796926	1	-1028279	32.1	93.4	0	+∞	Si
134	-892041	8	-1146199	35.5	124.5	904.9	1837	-844795	1	-1073701	33.2	93.4	0	+∞	Si
146	-999280	8	-1146199	35.2	124.5	881.8	1837	-941308	1	-1073701	33	93.4	0	+∞	Si
158	-1107552	8	-1146199	35.2	124.5	881.8	1837	-1038855	1	-1073701	33	93.4	0	+∞	Si
162	-1146199	8	-1146199	35.2	124.5	881.8	1837	-1073701	1	-1073701	33	93.4	0	+∞	Si
170	-1216858	8	-1202846	36.9	124.5	926	1837	-1137436	1	-1124782	34.5	93.4	0	+∞	Si
182	-1327198	8	-1236012	37.9	124.5	951.5	1837	-1237051	1	-1154690	35.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
128	superiore	33.3	0.00026	0.0086	8	33.3	0.00024	0.0082	3	33.3	0.00024	0.0081	1	Si
134	superiore	32.8	0.00026	0.0086	8	32.8	0.00025	0.0082	3	32.8	0.00025	0.0081	1	Si
146	superiore	32.3	0.00026	0.0083	8	32.3	0.00024	0.0079	3	32.3	0.00024	0.0078	1	Si
158	superiore	32.3	0.00026	0.0083	8	32.3	0.00024	0.0079	3	32.3	0.00024	0.0078	1	Si
162	superiore	32.3	0.00026	0.0083	8	32.3	0.00024	0.0079	3	32.3	0.00024	0.0078	1	Si
170	superiore	32.3	0.00027	0.0087	8	32.3	0.00025	0.0082	3	32.3	0.00025	0.0082	1	Si
182	superiore	32.3	0.00028	0.009	8	32.3	0.00027	0.0086	3	32.3	0.00026	0.0085	1	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
15	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
24	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
36	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
43	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	2	-0.008	2	9999	Si
55	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	2	-0.01	2	9999	Si
67	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	2	-0.012	2	9999	Si
79	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.013	2	-0.013	2	9999	Si
91	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.014	2	-0.014	2	9999	Si
103	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.007	-0.007	-0.014	2	-0.015	2	9999	Si
109	-0.006	-0.007	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.014	2	-0.015	2	9999	Si
115	-0.006	-0.007	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.014	2	-0.015	2	9999	Si
128	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.014	2	-0.014	2	9999	Si
134	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.013	2	-0.013	2	9999	Si
146	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	2	-0.011	2	9999	Si
158	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.009	2	-0.009	2	9999	Si
162	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.008	2	9999	Si
170	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si

Campata 3 tra i fili 20 - 9, sezione R 40x70, asta 1140

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-1543615	LU 17	-1466723	-2762053	0.125	Si
20	22.81	5.4	7.6	5.4						-1393756	LU 17	-1393756	-2762053	0.125	Si
45	22.52	5.4	7.6	5.4						-1209069	LU 17	-1393756	-2728674	0.123	Si
68	19.13	5.4	7.6	5.4						-1049018	LU 17	-1255304	-2329692	0.107	Si
91	14.86	5.4	7.6	5.4	-565350	LU 2	15285	963613	0.08	-893782	LU 17	-1093892	-1824059	0.095	Si
102	10.74	5.4	7.6	5.4	-517400	LU 2	26681	963319	0.079	-817969	LU 17	-1014992	-1336299	0.085	Si
113	7.6	5.4	7.6	5.4	-470376	LU 2	36324	962923	0.078	-743361	LU 17	-937296	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	-424277	LU 2	44214	962923	0.078	-669956	LU 17	-860804	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	-334859	LU 2	54733	962923	0.078	-526756	LU 17	-711429	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	-249144	LU 2	58240	962923	0.078	-388372	LU 17	-566870	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	-167132	LU 2	54733	962923	0.078	-254802	LU 17	-427126	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	-88825	LU 2	44214	962923	0.078	-126974	LU 13	-292196	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	889	LU 8	149650	962923	0.078	-17218	LU 11	-162341	-962923	0.078	Si
261	7.6	5.4	7.6	5.4	117018	LU 17	262601	962923	0.078	56679	LU 2	-45277	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	174775	LU 17	317270	962923	0.078						Si
295	7.6	5.4	7.6	5.4	286678	LU 17	405940	962923	0.078						Si
320	7.6	5.4	7.6	5.4	405940	LU 17	405940	962923	0.078						Si
340	7.6	5.4	7.6	5.4	496039	LU 17	451203	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.13	0	7481	LU 17	7481	11997	68363	0	11997	1	Si
20	0.06	16.99	0	7297	LU 17	7297	11532	68363	7003	11532	1	Si
45	0.06	7.6	0	7063	LU 17	7063	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	6853	LU 17	6853	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	6644	LU 17	6644	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	6539	LU 17	6539	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	6330	LU 17	6330	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	6121	LU 17	6121	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	5911	LU 17	5911	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	5702	LU 17	5702	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	5493	LU 17	5493	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	5284	LU 17	5284	8821	68363	7003	8821	1	Si
261	0.06	7.6	0	5074	LU 17	5074	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	4970	LU 17	4970	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	4760	LU 17	4760	8821	68363	7003	8821	1	Si
320	0.06	7.6	0	4526	LU 17	4526	8821	68363	7003	8821	1	Si
340	0	7.6	0	4342	LU 17	4342	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara	Quasi permanente	Verifica

	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1176015	8	-1117399	34.3	124.5	860.2	1837	-1102033	1	-1046880	32.1	93.4	0	+∞	Si
20	-1061788	8	-1061788	32.6	124.5	817.4	1837	-994632	1	-994632	30.5	93.4	0	+∞	Si
45	-921052	8	-1061788	32.7	124.5	827.3	1837	-862543	1	-994632	30.6	93.4	0	+∞	Si
68	-799126	8	-956281	31	124.5	870.4	1837	-748354	1	-895586	29	93.4	0	+∞	Si
91	-680904	8	-833308	29.4	124.5	965.8	1837	-637869	1	-780351	27.5	93.4	0	+∞	Si
102	-623182	8	-773211	30.5	124.5	1223.4	1837	-584015	1	-724122	28.6	93.4	0	+∞	Si
125	-510515	8	-655795	17.1	124.5	256.3	1837	-479085	1	-614442	27.6	93.4	0	+∞	Si
147	-401552	8	-542082	14.1	124.5	211.9	1837	-377859	1	-508466	22.8	93.4	0	+∞	Si
170	-296293	8	-432072	11.3	124.5	168.9	1837	-280336	1	-406193	18.2	93.4	0	+∞	Si
193	-194737	8	-325767	8.5	124.5	127.3	1837	-186517	1	-307624	13.8	93.4	0	+∞	Si
215	-97503	4	-223165	5.8	124.5	87.2	1837	-96402	1	-212759	9.5	93.4	0	+∞	Si
238	-12811	2	-124440	3.2	124.5	48.6	1837	-10836	2	-121598	5.5	93.4	0	+∞	Si
261	87707	8	198168	5.2	124.5	77.5	1837	72717	1	173256	7.8	93.4	0	+∞	Si
272	131541	8	239626	6.2	124.5	93.7	1837	112683	1	210846	9.5	93.4	0	+∞	Si
295	216430	8	306839	8	124.5	119.9	1837	189835	1	271598	12.2	93.4	0	+∞	Si
320	306839	8	306839	8	124.5	119.9	1837	271598	1	271598	12.2	93.4	0	+∞	Si
340	375097	8	341140	8.9	124.5	133.3	1837	333028	1	302534	13.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	32.3	0.00025	0.0081	8	32.3	0.00024	0.0077	3	32.3	0.00023	0.0076	1	Si
20	superiore	32.3	0.00024	0.0077	8	32.3	0.00023	0.0073	3	32.3	0.00022	0.0072	1	Si
45	superiore	32.6	0.00024	0.0078	8	32.6	0.00023	0.0074	3	32.6	0.00023	0.0073	1	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	2	-0.011	2	9999	Si
45	-0.009	-0.01	-0.008	-0.009	-0.009	-0.01	-0.008	-0.009	-0.01	-0.01	-0.021	2	-0.021	2	9999	Si
68	-0.012	-0.013	-0.01	-0.012	-0.012	-0.013	-0.011	-0.011	-0.012	-0.013	-0.027	2	-0.028	2	9999	Si
91	-0.013	-0.015	-0.012	-0.013	-0.014	-0.014	-0.012	-0.013	-0.014	-0.014	-0.031	2	-0.031	2	9999	Si
102	-0.014	-0.016	-0.012	-0.014	-0.014	-0.015	-0.013	-0.013	-0.014	-0.015	-0.032	2	-0.033	2	9999	Si
125	-0.014	-0.016	-0.012	-0.014	-0.014	-0.015	-0.013	-0.013	-0.014	-0.015	-0.033	2	-0.033	2	9999	Si
147	-0.013	-0.015	-0.012	-0.013	-0.014	-0.014	-0.012	-0.013	-0.014	-0.014	-0.031	2	-0.032	2	9999	Si
170	-0.012	-0.014	-0.011	-0.012	-0.013	-0.013	-0.011	-0.012	-0.013	-0.013	-0.029	2	-0.03	2	9999	Si
193	-0.011	-0.012	-0.01	-0.011	-0.011	-0.012	-0.01	-0.01	-0.011	-0.011	-0.025	2	-0.026	2	9999	Si
215	-0.009	-0.01	-0.008	-0.009	-0.009	-0.01	-0.008	-0.009	-0.009	-0.009	-0.021	2	-0.022	2	9999	Si
238	-0.007	-0.008	-0.006	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.017	2	-0.017	2	9999	Si
261	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	2	-0.012	2	9999	Si
272	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	2	-0.01	2	9999	Si
295	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
320	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si

Trave a "Piano 2" 44-9A

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 44 - ?, sezione R 40x70, asta 1135

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	140666	LU 17	140666	962923	0.078						Si
28	7.6	5.4	7.6	5.4	209076	LU 17	274388	962923	0.078						Si
35	7.6	5.4	7.6	5.4	227472	LU 17	290312	962923	0.078						Si
70	7.6	5.4	7.6	5.4	302994	LU 17	356519	962923	0.078						Si
106	7.6	5.4	7.6	5.4	367233	LU 17	411443	962923	0.078						Si
141	7.6	5.4	7.6	5.4	420189	LU 17	455084	962923	0.078						Si
158	7.6	5.4	7.6	5.4	442436	LU 17	472673	962923	0.078						Si
194	7.6	5.4	7.6	5.4	478466	LU 17	499388	962923	0.078						Si
229	7.6	5.4	7.6	5.4	503213	LU 17	514820	962923	0.078						Si
264	7.6	5.4	7.6	5.4	516677	LU 17	519177	962923	0.078						Si
299	7.6	5.4	7.6	5.4	518857	LU 17	519177	962923	0.078						Si
335	7.6	5.4	7.6	5.4	509753	LU 17	517761	962923	0.078						Si
370	7.6	5.4	7.6	5.4	489367	LU 17	506689	962923	0.078						Si
405	7.6	5.4	7.6	5.4	457696	LU 17	484334	962923	0.078						Si
423	7.6	5.4	7.6	5.4	437630	LU 17	468925	962923	0.078						Si
458	7.6	5.4	7.6	5.4	392802	LU 18	429919	962923	0.078						Si
493	7.6	5.4	7.6	5.4	337153	LU 18	383586	962923	0.078						Si
513	7.6	5.4	7.6	5.4	299935	LU 18	351860	962923	0.078						Si
528	7.6	5.4	7.6	5.4	270221	LU 18	270221	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2746	LU 18	2746	8821	68363	0	8821	1	Si
28	0.06	7.6	0	2495	LU 18	2495	8821	68363	6969	8821	1	Si
35	0.06	7.6	0	2425	LU 18	2425	8821	68363	6969	8821	1	Si
70	0.06	7.6	0	2105	LU 18	2105	8821	68363	6969	8821	1	Si
106	0.06	7.6	0	1784	LU 18	1784	8821	68363	6969	8821	1	Si
141	0.06	7.6	0	1464	LU 18	1464	8821	68363	6969	8821	1	Si
158	0.06	7.6	0	1304	LU 18	1304	8821	68363	6969	8821	1	Si
194	0.06	7.6	0	983	LU 18	983	8821	68363	6969	8821	1	Si
229	0.06	7.6	0	663	LU 18	663	8821	68363	6969	8821	1	Si
264	0.06	7.6	0	342	LU 18	342	8821	68363	6969	8821	1	Si
299	0.06	7.6	0	77	LU 9	77	8821	68363	6969	8821	1	Si
299	0.06	7.6	0	-237	LU 10	-237	-8821	-68363	-6969	-8821	1	Si
335	0.06	7.6	0	-558	LU 10	-558	-8821	-68363	-6969	-8821	1	Si
370	0.06	7.6	0	-878	LU 10	-878	-8821	-68363	-6969	-8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
405	0.06	7.6	0	-1198	LU 10	-1198	-8821	-68363	-6969	-8821	1	Si
423	0.06	7.6	0	-1359	LU 10	-1359	-8821	-68363	-6969	-8821	1	Si
458	0.06	7.6	0	-1679	LU 10	-1679	-8821	-68363	-6969	-8821	1	Si
493	0.06	7.6	0	-2000	LU 10	-2000	-8821	-68363	-6969	-8821	1	Si
513	0.06	7.6	0	-2183	LU 10	-2183	-8821	-68363	-6969	-8821	1	Si
528	0	7.6	0	-2320	LU 10	-2320	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	105242	8	105242	2.7	124.5	41.1	1837	85984	1	85984	3.9	93.4	0	+∞	Si
28	157474	8	207299	5.4	124.5	81	1837	135671	1	182806	8.2	93.4	0	+∞	Si
35	171514	8	219439	5.7	124.5	85.8	1837	148997	1	194231	8.7	93.4	0	+∞	Si
70	229107	8	269866	7	124.5	105.5	1837	203331	1	241400	10.8	93.4	0	+∞	Si
106	278020	8	311614	8.1	124.5	121.8	1837	248986	1	279889	12.6	93.4	0	+∞	Si
141	318254	8	344682	9	124.5	134.7	1837	285960	1	309698	13.9	93.4	0	+∞	Si
158	335116	8	357961	9.3	124.5	139.9	1837	301193	1	321348	14.4	93.4	0	+∞	Si
194	362330	8	378010	9.9	124.5	147.8	1837	325148	1	338138	15.2	93.4	0	+∞	Si
229	380865	8	389380	10.1	124.5	152.2	1837	340424	1	346248	15.5	93.4	0	+∞	Si
264	390720	8	392393	10.2	124.5	153.4	1837	347020	1	347064	15.6	93.4	0	+∞	Si
299	391896	8	392393	10.2	124.5	153.4	1837	344937	1	347064	15.6	93.4	0	+∞	Si
335	384392	8	390966	10.2	124.5	152.8	1837	334174	1	343438	15.4	93.4	0	+∞	Si
370	368209	8	381947	10	124.5	149.3	1837	314732	1	331161	14.9	93.4	0	+∞	Si
405	343345	8	364250	9.5	124.5	141.8	1837	286610	1	310204	13.9	93.4	0	+∞	Si
423	327659	8	352146	9.2	124.5	137.6	1837	269294	1	296471	13.3	93.4	0	+∞	Si
458	292288	9	321612	8.4	124.5	125.7	1837	229229	2	262574	11.8	93.4	0	+∞	Si
493	248546	9	285036	7.4	124.5	111.4	1837	180616	2	221127	9.9	93.4	0	+∞	Si
513	219380	9	260095	6.8	124.5	101.7	1837	148654	2	193390	8.7	93.4	0	+∞	Si
528	196125	9	196125	5.1	124.5	76.7	1837	123324	2	123324	5.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
28	0.006	0.005	0.006	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.013	1	0.013	1	9999	Si
35	0.008	0.006	0.007	0.006	0.007	0.007	0.007	0.006	0.007	0.007	0.017	1	0.017	1	9999	Si
70	0.016	0.013	0.014	0.011	0.014	0.013	0.013	0.012	0.014	0.014	0.033	1	0.032	1	9999	Si
106	0.022	0.018	0.02	0.016	0.02	0.019	0.018	0.017	0.02	0.019	0.047	1	0.046	1	9999	Si
141	0.028	0.023	0.025	0.021	0.025	0.024	0.023	0.022	0.025	0.024	0.058	1	0.057	1	9047	Si
158	0.03	0.025	0.028	0.022	0.027	0.026	0.025	0.023	0.027	0.026	0.063	1	0.062	1	8348	Si
194	0.034	0.028	0.031	0.025	0.031	0.029	0.028	0.026	0.03	0.03	0.071	1	0.069	1	7440	Si
229	0.037	0.03	0.033	0.027	0.033	0.031	0.03	0.028	0.032	0.032	0.076	1	0.074	1	6968	Si
264	0.038	0.031	0.034	0.028	0.034	0.032	0.03	0.029	0.033	0.032	0.078	1	0.076	1	6811	Si
299	0.037	0.031	0.034	0.028	0.033	0.032	0.03	0.028	0.032	0.032	0.076	1	0.075	1	6934	Si
335	0.035	0.029	0.032	0.026	0.031	0.03	0.028	0.027	0.031	0.03	0.072	1	0.071	1	7366	Si
370	0.032	0.026	0.029	0.024	0.028	0.027	0.025	0.024	0.027	0.027	0.064	1	0.063	1	8223	Si
405	0.027	0.022	0.024	0.02	0.023	0.022	0.021	0.02	0.023	0.023	0.054	1	0.053	1	9793	Si
423	0.024	0.02	0.021	0.018	0.021	0.02	0.019	0.018	0.02	0.02	0.048	1	0.047	1	9999	Si
458	0.017	0.014	0.015	0.012	0.015	0.014	0.013	0.013	0.014	0.014	0.034	1	0.033	1	9999	Si
493	0.009	0.007	0.008	0.007	0.008	0.007	0.007	0.007	0.008	0.007	0.018	1	0.017	1	9999	Si
513	0.004	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.008	1	0.008	1	9999	Si

Campata 2 tra i fili ? - 21, sezione R 40x70, asta 1136

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	304997	LU 18	229640	962923	0.078						Si
12	7.6	5.4	7.6	5.4	184287	LU 18	181144	962923	0.078						Si
15	7.6	5.4	7.6	5.4	153299	LU 18	153299	962923	0.078	40148	LU 1	-217712	-962923	0.078	Si
24	7.6	5.4	7.6	5.4	69127	LU 9	153299	962923	0.078	-29686	LU 10	-301970	-962923	0.078	Si
36	7.6	5.4	7.6	5.4	-28559	LU 9	153299	962923	0.078	-140728	LU 10	-416174	-962923	0.078	Si
48	11.24	5.4	7.6	5.4	-127246	LU 9	115067	963364	0.079	-253071	LU 10	-533606	-1394788	0.086	Si
54	11.8	5.4	7.6	5.4	-176965	LU 9	62454	963411	0.08	-309730	LU 10	-597753	-1461689	0.087	Si
66	12.93	5.4	7.6	5.4	-277153	LU 9	11391	963496	0.08	-424023	LU 10	-727303	-1595463	0.09	Si
78	14.05	5.4	7.6	5.4	-366575	LU 2	14113	963569	0.08	-542353	LU 13	-861928	-1729135	0.093	Si
90	18.32	5.4	7.6	5.4	-451354	LU 2	14885	963771	0.081	-671061	LU 13	-997854	-2233989	0.105	Si
102	19.47	5.4	7.6	5.4	-537133	LU 2	13705	963812	0.081	-803656	LU 17	-1135080	-2369850	0.108	Si
114	20.6	5.4	7.6	5.4	-623913	LU 2	10575	963847	0.081	-939020	LU 17	-1273607	-2502793	0.112	Si
126	21.72	5.4	7.6	5.4	-711694	LU 2	5493	963881	0.081	-1075685	LU 17	-1413434	-2635573	0.116	Si
137	22.81	5.4	7.6	5.4						-1213651	LU 17	-1469128	-2762053	0.125	Si
143	22.81	5.4	7.6	5.4						-1283122	LU 17	-1469128	-2762053	0.125	Si
155	22.81	5.4	7.6	5.4						-1423038	LU 17	-1469128	-2762053	0.125	Si
159	22.81	5.4	7.6	5.4						-1469128	LU 17	-1469128	-2762053	0.125	Si
167	22.81	5.4	7.6	5.4						-1564256	LU 17	-1544918	-2762053	0.125	Si
179	22.81	5.4	7.6	5.4						-1706774	LU 17	-1587059	-2762053	0.125	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-10343	LU 17	-10343	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-10452	LU 17	-10452	-8821	-68363	0	-8821	1	Si
15	0.118	7.6	0	-10480	LU 17	-10480	-8821	-68363	-13746	-13746	1	Si
24	0.118	7.6	0	-10561	LU 17	-10561	-8821	-68363	-13746	-13746	1	Si
36	0.118	7.6	0	-10670	LU 17	-10670	-8821	-68363	-13746	-13746	1	Si
48	0.118	7.6	0	-10778	LU 17	-10778	-8821	-68363	-13746	-13746	1	Si
54	0.118	7.6	0	-10833	LU 17	-10833	-8821	-68363	-13746	-13746	1	Si
66	0.118	7.6	0	-10942	LU 17	-10942	-8821	-68363	-13746	-13746	1	Si
78	0.118	7.6	0	-11050	LU 17	-11050	-8821	-68363	-13746	-13746	1	Si
90	0.118	7.6	0	-11159	LU 17	-11159	-8821	-68363	-13746	-13746	1	Si
102	0.118	7.6	0	-11268	LU 17	-11268	-8821	-68363	-13746	-13746	1	Si
114	0.118	11.24	0	-11377	LU 17	-11377	-10048	-68363	-13746	-13746	1	Si
126	0.118	12.36	0	-11486	LU 17	-11486	-10373	-68363	-13746	-13746	1	Si
137	0.118	13.49	0	-11594	LU 17	-11594	-10679	-68363	-13746	-13746	1	Si
143	0.118	14.05	0	-11649	LU 17	-11649	-10825	-68363	-13746	-13746	1	Si
155	0.118	18.32	0	-11758	LU 17	-11758	-11825	-68363	-13746	-13746	1	Si
159	0.118	18.91	0	-11793	LU 17	-11793	-11950	-68363	-13746	-13746	1	Si
167	0	19.47	0	-11866	LU 17	-11866	-12067	-68363	0	-12067	1	Si
179	0	20.6	0	-11975	LU 17	-11975	-12296	-68363	0	-12296	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	222664	9	165487	4.3	124.5	64.7	1837	148018	2	96616	4.3	93.4	0	+∞	Si
12	131069	9	128683	3.4	124.5	50.3	1837	65630	2	63482	2.8	93.4	0	+∞	Si
15	107553	9	107553	2.8	124.5	42	1837	44458	2	44458	2	93.4	0	+∞	Si
24	38473	9	107553	2.8	124.5	42	1837								Si
24	-22835	1	-232284	6.1	124.5	90.8	1837	-22835	1	-232284	10.4	93.4	0	+∞	Si
36	-108252	1	-320134	8.3	124.5	125.1	1837	-108252	1	-320134	14.4	93.4	0	+∞	Si
48	-194670	1	-410269	15.9	124.5	621.7	1837	-194670	1	-408984	15.9	93.4	0	+∞	Si
54	-238254	1	-459007	17.5	124.5	663.5	1837	-238254	1	-453785	17.3	93.4	0	+∞	Si
66	-326172	1	-557420	20.6	124.5	738.2	1837	-326172	1	-544136	20.1	93.4	0	+∞	Si
78	-416914	4	-659350	23.7	124.5	805.8	1837	-415091	1	-635487	22.8	93.4	0	+∞	Si
90	-514709	4	-762281	25.1	124.5	723	1837	-505010	1	-727839	23.9	93.4	0	+∞	Si
102	-615228	8	-866212	27.9	124.5	775.3	1837	-595930	1	-821192	26.5	93.4	0	+∞	Si
114	-717727	8	-971144	30.8	124.5	823.8	1837	-687850	1	-915545	29	93.4	0	+∞	Si
126	-821226	8	-1077076	33.6	124.5	868.5	1837	-780771	1	-1010899	31.5	93.4	0	+∞	Si
137	-925726	8	-1119274	34.4	124.5	861.7	1837	-874693	1	-1048912	32.2	93.4	0	+∞	Si
143	-978352	8	-1119274	34.4	124.5	861.7	1837	-922029	1	-1048912	32.2	93.4	0	+∞	Si
155	-1084352	8	-1119274	34.4	124.5	861.7	1837	-1017451	1	-1048912	32.2	93.4	0	+∞	Si
159	-1119274	8	-1119274	34.4	124.5	861.7	1837	-1048912	1	-1048912	32.2	93.4	0	+∞	Si
167	-1191354	8	-1176699	36.1	124.5	905.9	1837	-1113874	1	-1100651	33.8	93.4	0	+∞	Si
179	-1299355	8	-1208629	37.1	124.5	930.4	1837	-1211297	1	-1129418	34.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
126	superiore	33.2	0.00025	0.0084	8	33.2	0.00024	0.008	3	33.2	0.00024	0.0079	1	Si
137	superiore	32.3	0.00025	0.0081	8	32.3	0.00024	0.0077	3	32.3	0.00024	0.0076	1	Si
143	superiore	32.3	0.00025	0.0081	8	32.3	0.00024	0.0077	3	32.3	0.00024	0.0076	1	Si
155	superiore	32.3	0.00025	0.0081	8	32.3	0.00024	0.0077	3	32.3	0.00024	0.0076	1	Si
159	superiore	32.3	0.00025	0.0081	8	32.3	0.00024	0.0077	3	32.3	0.00024	0.0076	1	Si
167	superiore	32.3	0.00026	0.0085	8	32.3	0.00025	0.0081	3	32.3	0.00025	0.008	1	Si
179	superiore	32.3	0.00027	0.0088	8	32.3	0.00026	0.0083	3	32.3	0.00025	0.0082	1	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
15	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
24	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
36	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
48	-0.003	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
54	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	2	-0.009	2	9999	Si
66	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.011	2	-0.011	2	9999	Si
78	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.012	2	-0.012	2	9999	Si
90	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.013	2	-0.013	2	9999	Si
102	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	2	-0.014	2	9999	Si
108	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	2	-0.014	2	9999	Si
114	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	2	-0.014	2	9999	Si
126	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.013	2	-0.013	2	9999	Si
137	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	2	-0.012	2	9999	Si
143	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	2	-0.011	2	9999	Si
155	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
159	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
167	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si

Campata 3 tra i fili 21 - 9A, sezione R 40x70, asta 1137

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-1468598	LU 17	-1393289	-2762053	0.125	Si
20	22.81	5.4	7.6	5.4						-1321861	LU 17	-1321861	-2762053	0.125	Si
45	22.33	5.4	7.6	5.4						-1141130	LU 17	-1321861	-2706904	0.121	Si
68	18.06	5.4	7.6	5.4						-984618	LU 17	-1186365	-2203469	0.104	Si
91	13.79	5.4	7.6	5.4	-508163	LU 2	15285	963552	0.08	-832922	LU 17	-1028493	-1697378	0.092	Si
102	7.6	5.4	7.6	5.4	-461989	LU 2	26681	962923	0.078	-758879	LU 17	-951363	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	-372418	LU 2	44214	962923	0.078	-614404	LU 17	-800713	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	-286551	LU 2	54733	962923	0.078	-474745	LU 17	-654878	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	-204387	LU 2	58240	962923	0.078	-339900	LU 17	-513859	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	-125928	LU 2	54733	962923	0.078	-209871	LU 17	-377654	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	-51172	LU 2	68737	962923	0.078	-86031	LU 13	-246264	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	36797	LU 18	182961	962923	0.078	18375	LU 1	-120447	-962923	0.078	Si
249	7.6	5.4	7.6	5.4	94138	LU 17	238268	962923	0.078	54017	LU 2	-61258	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	207316	LU 17	345270	962923	0.078						Si
295	7.6	5.4	7.6	5.4	315678	LU 17	430983	962923	0.078						Si
320	7.6	5.4	7.6	5.4	430983	LU 17	430983	962923	0.078						Si
340	7.6	5.4	7.6	5.4	517959	LU 17	474706	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.06	0	7327	LU 17	7327	11769	68363	0	11769	1	Si
20	0.06	15.92	0	7143	LU 17	7143	11285	68363	7003	11285	1	Si
34	0.06	7.6	0	7013	LU 17	7013	8821	68363	7003	8821	1	Si
45	0.06	7.6	0	6909	LU 17	6909	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	6699	LU 17	6699	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	6490	LU 17	6490	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	6385	LU 17	6385	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	6176	LU 17	6176	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	5967	LU 17	5967	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	5758	LU 17	5758	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	5548	LU 17	5548	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	5339	LU 17	5339	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	5130	LU 17	5130	8821	68363	7003	8821	1	Si
249	0.06	7.6	0	5025	LU 17	5025	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	4816	LU 17	4816	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	4606	LU 17	4606	8821	68363	7003	8821	1	Si
320	0.06	7.6	0	4372	LU 17	4372	8821	68363	7003	8821	1	Si
340	0	7.6	0	4188	LU 17	4188	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1118788	8	-1061374	32.6	124.5	817.1	1837	-1047921	1	-993865	30.5	93.4	0	+∞	Si
20	-1006932	8	-1006932	30.9	124.5	775.2	1837	-942684	1	-942684	28.9	93.4	0	+∞	Si
45	-869198	8	-1006932	31.1	124.5	790.8	1837	-813335	1	-942684	29.1	93.4	0	+∞	Si
68	-749959	8	-903668	29.9	124.5	868.8	1837	-701597	1	-845685	27.9	93.4	0	+∞	Si
91	-634423	8	-783382	28.3	124.5	975.2	1837	-593564	1	-732901	26.5	93.4	0	+∞	Si
102	-578044	8	-724628	18.9	124.5	283.2	1837	-540936	1	-677898	30.4	93.4	0	+∞	Si
125	-468064	8	-609898	15.9	124.5	238.4	1837	-438458	1	-570670	25.6	93.4	0	+∞	Si
147	-361788	8	-498872	13	124.5	195	1837	-339684	1	-467146	21	93.4	0	+∞	Si
170	-259215	8	-391549	10.2	124.5	153	1837	-244613	1	-367326	16.5	93.4	0	+∞	Si
193	-160347	8	-287930	7.5	124.5	112.5	1837	-153247	1	-271209	12.2	93.4	0	+∞	Si
215	-66098	4	-188016	4.9	124.5	73.5	1837	-65584	1	-178796	8	93.4	0	+∞	Si
238	26982	9	138043	3.6	124.5	54	1837	18676	2	120518	5.4	93.4	0	+∞	Si
249	70621	8	180010	4.7	124.5	70.4	1837	58966	1	158733	7.1	93.4	0	+∞	Si
272	156526	8	261165	6.8	124.5	102.1	1837	137369	1	232386	10.4	93.4	0	+∞	Si
295	238728	8	326134	8.5	124.5	127.5	1837	212069	1	291090	13.1	93.4	0	+∞	Si
320	326134	8	326134	8.5	124.5	127.5	1837	291090	1	291090	13.1	93.4	0	+∞	Si
340	392020	8	359265	9.4	124.5	140.4	1837	350356	1	320960	14.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	32.3	0.00024	0.0077	8	32.3	0.00023	0.0073	3	32.3	0.00022	0.0072	1	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	2	-0.01	2	9999	Si
45	-0.008	-0.01	-0.007	-0.008	-0.009	-0.009	-0.008	-0.008	-0.009	-0.009	-0.019	2	-0.02	2	9999	Si
68	-0.01	-0.012	-0.009	-0.011	-0.011	-0.012	-0.01	-0.01	-0.011	-0.012	-0.025	2	-0.025	2	9999	Si
91	-0.012	-0.014	-0.01	-0.012	-0.012	-0.013	-0.011	-0.012	-0.013	-0.013	-0.028	2	-0.029	2	9999	Si
102	-0.012	-0.014	-0.011	-0.013	-0.013	-0.013	-0.011	-0.012	-0.013	-0.013	-0.029	2	-0.03	2	9999	Si
113	-0.012	-0.014	-0.011	-0.013	-0.013	-0.013	-0.011	-0.012	-0.013	-0.013	-0.029	2	-0.03	2	9999	Si
125	-0.012	-0.014	-0.011	-0.013	-0.013	-0.013	-0.011	-0.012	-0.013	-0.013	-0.029	2	-0.03	2	9999	Si
147	-0.011	-0.013	-0.01	-0.012	-0.012	-0.013	-0.011	-0.011	-0.012	-0.013	-0.028	2	-0.029	2	9999	Si
170	-0.01	-0.012	-0.009	-0.011	-0.011	-0.012	-0.01	-0.01	-0.011	-0.011	-0.025	2	-0.026	2	9999	Si
193	-0.009	-0.01	-0.008	-0.009	-0.009	-0.01	-0.008	-0.009	-0.01	-0.01	-0.022	2	-0.023	2	9999	Si
215	-0.007	-0.008	-0.007	-0.008	-0.008	-0.008	-0.007	-0.007	-0.008	-0.008	-0.018	2	-0.019	2	9999	Si
238	-0.005	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.014	2	-0.014	2	9999	Si
249	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	2	-0.012	2	9999	Si
272	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	2	-0.008	2	9999	Si
295	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
320	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	2	-0.001	2	9999	Si

Trave a "Piano 2" 45-11

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 45 - 35, sezione R 40x70, asta 1130

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	598125	LU 18	558286	1414576	0.086						Si
18	7.6	5.4	11.4	5.4	543473	LU 18	539048	1414576	0.086						Si
28	7.6	5.4	11.4	5.4	515006	LU 18	515006	1414576	0.086						Si
37	7.6	5.4	11.4	5.4	485763	LU 18	515006	1414576	0.086						Si
55	7.6	5.4	10.94	5.4	428068	LU 17	515006	1358976	0.085						Si
73	7.6	5.4	9.7	5.4	367816	LU 17	461874	1212332	0.083						Si
83	7.6	5.4	7.6	5.4	336543	LU 17	433026	962923	0.078						Si
101	7.6	5.4	7.6	5.4	271702	LU 17	373035	962923	0.078						Si
119	7.6	5.4	7.6	5.4	203802	LU 17	309985	962923	0.078						Si
138	7.6	5.4	7.6	5.4	132843	LU 17	243877	962923	0.078	51051	LU 2	-45969	-962923	0.078	Si
156	7.6	5.4	7.6	5.4	58825	LU 17	174709	962923	0.078	-7898	LU 2	-125919	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	-8771	LU 8	102482	962923	0.078	-78680	LU 11	-211597	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	-70322	LU 6	27196	962923	0.078	-160921	LU 12	-300476	-962923	0.078	Si
211	7.6	5.4	7.6	5.4	-132437	LU 6	1053	962923	0.078	-248008	LU 12	-392414	-962923	0.078	Si
220	7.6	5.4	7.6	5.4						-292700	LU 12	-439530	-962923	0.078	Si
238	7.6	5.4	7.6	5.4						-384376	LU 12	-470436	-962923	0.078	Si
255	7.6	5.4	7.6	5.4						-470436	LU 12	-470436	-962923	0.078	Si
257	7.6	5.4	7.6	5.4						-479111	LU 12	-478792	-962923	0.078	Si
275	7.6	5.4	7.6	5.4						-576905	LU 12	-522789	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.32	0	-2984	LU 14	-2984	-9766	-68363	0	-9766	1	Si
18	0	7.6	0	-3151	LU 14	-3151	-8821	-68363	0	-8821	1	Si
28	0.086	7.6	0	-3235	LU 14	-3235	-8821	-68363	-10004	-10004	1	Si
37	0.086	7.6	0	-3318	LU 14	-3318	-8821	-68363	-10004	-10004	1	Si
55	0.086	7.6	0	-3485	LU 14	-3485	-8821	-68363	-10004	-10004	1	Si
73	0.086	7.6	0	-3652	LU 14	-3652	-8821	-68363	-10004	-10004	1	Si
83	0.086	7.6	0	-3735	LU 14	-3735	-8821	-68363	-10004	-10004	1	Si
101	0.092	7.6	0	-3902	LU 14	-3902	-8821	-68363	-10668	-10668	1	Si
119	0.092	7.6	0	-4069	LU 14	-4069	-8821	-68363	-10668	-10668	1	Si
138	0.092	7.6	0	-4236	LU 14	-4236	-8821	-68363	-10668	-10668	1	Si
156	0.092	7.6	0	-4403	LU 14	-4403	-8821	-68363	-10668	-10668	1	Si
174	0.092	7.6	0	-4569	LU 14	-4569	-8821	-68363	-10668	-10668	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
193	0.101	7.6	0	-4736	LU 14	-4736	-8821	-68363	-11671	-11671	1	Si
211	0.101	7.6	0	-4903	LU 14	-4903	-8821	-68363	-11671	-11671	1	Si
220	0.101	7.6	0	-4986	LU 14	-4986	-8821	-68363	-11671	-11671	1	Si
238	0.101	7.6	0	-5153	LU 14	-5153	-8821	-68363	-11671	-11671	1	Si
255	0.101	7.6	0	-5305	LU 14	-5305	-8821	-68363	-11671	-11671	1	Si
257	0	7.6	0	-5320	LU 14	-5320	-8821	-68363	0	-8821	1	Si
275	0	7.6	0	-5487	LU 14	-5487	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	453047	9	422986	16.3	124.5	631.9	1837	409415	2	382389	14.8	93.4	0	+∞	Si
18	411787	9	408448	15.8	124.5	610.2	1837	372202	2	369199	14.3	93.4	0	+∞	Si
28	390279	9	390279	15.1	124.5	583.1	1837	352716	2	352716	13.6	93.4	0	+∞	Si
37	368174	9	390279	15.1	124.5	583.1	1837	332635	2	352716	13.6	93.4	0	+∞	Si
55	324258	8	390279	15.3	124.5	607.1	1837	291593	1	352716	13.8	93.4	0	+∞	Si
73	278323	8	350021	14.3	124.5	611.2	1837	248342	1	315785	12.9	93.4	0	+∞	Si
83	254473	8	328036	8.5	124.5	128.2	1837	225834	1	295142	13.2	93.4	0	+∞	Si
101	205008	8	282302	7.4	124.5	110.3	1837	179053	1	252092	11.3	93.4	0	+∞	Si
119	153190	8	234215	6.1	124.5	91.5	1837	129919	1	206689	9.3	93.4	0	+∞	Si
138	99020	8	183775	4.8	124.5	71.8	1837	78432	1	158933	7.1	93.4	0	+∞	Si
156	42496	8	130982	3.4	124.5	51.2	1837	24592	1	108823	4.9	93.4	0	+∞	Si
174	-56667	2	-157806	4.1	124.5	61.7	1837	-39121	2	-134702	6	93.4	0	+∞	Si
193	-119300	3	-225362	5.9	124.5	88.1	1837	-98689	2	-198001	8.9	93.4	0	+∞	Si
211	-185479	3	-295272	7.7	124.5	115.4	1837	-160610	2	-263653	11.8	93.4	0	+∞	Si
220	-219450	3	-331109	8.6	124.5	129.4	1837	-192453	2	-297362	13.3	93.4	0	+∞	Si
238	-289158	3	-354620	9.2	124.5	138.6	1837	-257904	2	-319495	14.3	93.4	0	+∞	Si
255	-354620	3	-354620	9.2	124.5	138.6	1837	-319495	2	-319495	14.3	93.4	0	+∞	Si
257	-361220	3	-360977	9.4	124.5	141.1	1837	-325708	2	-325482	14.6	93.4	0	+∞	Si
275	-435634	3	-394449	10.3	124.5	154.2	1837	-395865	2	-357002	16	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
28	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
37	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	1	0.005	1	9999	Si
55	0.003	0.002	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
73	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	1	0.006	1	9999	Si
83	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	1	0.006	1	9999	Si
101	0.003	0.002	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
119	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	1	0.005	1	9999	Si
138	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
156	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	1	0.003	1	9999	Si
174	0.001	0	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
193	0.001	0	0.001	0	0	0	0	0	0	0	0.001	1	0	1	9999	Si
211	0	0	0	-0.001	0	0	0	0	0	0	0	1	-0.001	1	9999	Si
220	0	-0.001	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
238	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	1	-0.001	1	9999	Si
255	0	-0.001	0	-0.001	0	-0.001	0	0	0	0	-0.001	1	-0.001	1	9999	Si
257	0	-0.001	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si

Campata 2 tra i fili 35 - 28, sezione R 40x70, asta 1131

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-253253	LU 12	-253253	-962923	0.078	Si
12	7.6	5.4	7.6	5.4						-258080	LU 12	-258080	-962923	0.078	Si
20	7.6	5.4	7.6	5.4						-262193	LU 12	-281618	-962923	0.078	Si
24	7.6	5.4	7.6	5.4						-264182	LU 12	-284595	-962923	0.078	Si
36	7.6	5.4	7.6	5.4						-271558	LU 12	-295101	-962923	0.078	Si
47	7.6	5.4	7.6	5.4	-152678	LU 6	2401	962923	0.078	-280209	LU 12	-306882	-962923	0.078	Si
53	7.6	5.4	7.6	5.4	-157060	LU 6	5507	962923	0.078	-285012	LU 12	-313250	-962923	0.078	Si
65	7.6	5.4	7.6	5.4	-166559	LU 6	10286	962923	0.078	-295573	LU 12	-326942	-962923	0.078	Si
77	7.6	5.4	7.6	5.4	-177039	LU 6	13153	962923	0.078	-307409	LU 12	-341909	-962923	0.078	Si
89	7.6	5.4	7.6	5.4	-188498	LU 6	14109	962923	0.078	-320520	LU 12	-358149	-962923	0.078	Si
101	7.6	5.4	7.6	5.4	-200938	LU 6	13153	962923	0.078	-334904	LU 12	-375664	-962923	0.078	Si
112	7.6	5.4	7.6	5.4	-214358	LU 6	10286	962923	0.078	-350563	LU 12	-394453	-962923	0.078	Si
124	7.6	5.4	7.6	5.4	-228759	LU 6	5507	962923	0.078	-367496	LU 12	-414517	-962923	0.078	Si
136	7.6	5.4	7.6	5.4						-385703	LU 12	-421933	-962923	0.078	Si
142	7.6	5.4	7.6	5.4						-395284	LU 12	-421933	-962923	0.078	Si
154	7.6	5.4	7.6	5.4						-415403	LU 12	-421933	-962923	0.078	Si
158	7.6	5.4	7.6	5.4						-421933	LU 12	-421933	-962923	0.078	Si
166	7.6	5.4	7.6	5.4						-436796	LU 12	-433550	-962923	0.078	Si
178	7.6	5.4	7.6	5.4						-459463	LU 12	-439807	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-566	LU 10	-566	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-673	LU 10	-673	-8821	-68363	0	-8821	1	Si
20	0.095	7.6	0	-748	LU 10	-748	-8821	-68363	-11034	-11034	1	Si
24	0.095	7.6	0	-781	LU 10	-781	-8821	-68363	-11034	-11034	1	Si
36	0.095	7.6	0	-889	LU 10	-889	-8821	-68363	-11034	-11034	1	Si
47	0.095	7.6	0	-996	LU 10	-996	-8821	-68363	-11034	-11034	1	Si
53	0.095	7.6	0	-1050	LU 10	-1050	-8821	-68363	-11034	-11034	1	Si
65	0.095	7.6	0	-1158	LU 10	-1158	-8821	-68363	-11034	-11034	1	Si
77	0.095	7.6	0	-1266	LU 10	-1266	-8821	-68363	-11034	-11034	1	Si
89	0.095	7.6	0	-1373	LU 10	-1373	-8821	-68363	-11034	-11034	1	Si
101	0.095	7.6	0	-1481	LU 10	-1481	-8821	-68363	-11034	-11034	1	Si
112	0.095	7.6	0	-1589	LU 10	-1589	-8821	-68363	-11034	-11034	1	Si
124	0.095	7.6	0	-1696	LU 10	-1696	-8821	-68363	-11034	-11034	1	Si
136	0.095	7.6	0	-1804	LU 10	-1804	-8821	-68363	-11034	-11034	1	Si
142	0.095	7.6	0	-1858	LU 10	-1858	-8821	-68363	-11034	-11034	1	Si
154	0.095	7.6	0	-1966	LU 10	-1966	-8821	-68363	-11034	-11034	1	Si
158	0.095	7.6	0	-1999	LU 10	-1999	-8821	-68363	-11034	-11034	1	Si
166	0	7.6	0	-2073	LU 10	-2073	-8821	-68363	0	-8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
178	0	7.6	0	-2181	LU 10	-2181	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-186828	3	-186828	4.9	124.5	73	1837	-148040	2	-148040	6.6	93.4	0	+∞	Si
12	-190798	3	-190798	5	124.5	74.6	1837	-153268	2	-153268	6.9	93.4	0	+∞	Si
20	-194139	3	-209712	5.5	124.5	82	1837	-157477	2	-176142	7.9	93.4	0	+∞	Si
24	-195749	3	-212082	5.5	124.5	82.9	1837	-159477	2	-178901	8	93.4	0	+∞	Si
36	-201679	3	-220420	5.7	124.5	86.2	1837	-166666	2	-188498	8.5	93.4	0	+∞	Si
47	-208590	3	-229739	6	124.5	89.8	1837	-174835	2	-199075	8.9	93.4	0	+∞	Si
53	-212413	3	-234766	6.1	124.5	91.8	1837	-179287	2	-204731	9.2	93.4	0	+∞	Si
65	-220795	3	-245556	6.4	124.5	96	1837	-188926	2	-216778	9.7	93.4	0	+∞	Si
77	-230156	3	-257325	6.7	124.5	100.6	1837	-199546	2	-229806	10.3	93.4	0	+∞	Si
89	-240498	3	-270075	7	124.5	105.6	1837	-211146	2	-243813	10.9	93.4	0	+∞	Si
101	-251820	3	-283805	7.4	124.5	110.9	1837	-223726	2	-258801	11.6	93.4	0	+∞	Si
112	-264122	3	-298515	7.8	124.5	116.7	1837	-237286	2	-274769	12.3	93.4	0	+∞	Si
124	-277404	3	-314205	8.2	124.5	122.8	1837	-251826	2	-291718	13.1	93.4	0	+∞	Si
136	-291666	3	-320001	8.3	124.5	125.1	1837	-267347	2	-297958	13.4	93.4	0	+∞	Si
142	-299165	3	-320001	8.3	124.5	125.1	1837	-275475	2	-297958	13.4	93.4	0	+∞	Si
154	-314898	3	-320001	8.3	124.5	125.1	1837	-292466	2	-297958	13.4	93.4	0	+∞	Si
158	-320001	3	-320001	8.3	124.5	125.1	1837	-297958	2	-297958	13.4	93.4	0	+∞	Si
166	-331611	3	-329078	8.6	124.5	128.6	1837	-310437	2	-307726	13.8	93.4	0	+∞	Si
178	-349304	3	-333967	8.7	124.5	130.5	1837	-329388	2	-312987	14	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	1	-0.001	1	9999	Si
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
24	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
36	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.004	1	9999	Si
47	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
53	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
65	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
77	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
89	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
95	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
101	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
112	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
124	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
136	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
142	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
154	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
158	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
166	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Campata 3 tra i fili 28 - ?, sezione R 40x70, asta 1132

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-309829	LU 12	-252624	-962923	0.078	Si
5	7.6	5.4	7.6	5.4						-281339	LU 12	-249162	-962923	0.078	Si
10	7.6	5.4	7.6	5.4						-253076	LU 12	-238777	-962923	0.078	Si
15	7.6	5.4	7.6	5.4						-225042	LU 12	-221467	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	-87045	LU 8	30677	962923	0.078	-197278	LU 11	-197278	-962923	0.078	Si
23	7.6	5.4	7.6	5.4	-76684	LU 8	40530	962923	0.078	-184405	LU 11	-197278	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	-56100	LU 8	61599	962923	0.078	-158840	LU 11	-197278	-962923	0.078	Si
33	7.6	5.4	7.6	5.4	-35691	LU 8	78134	962923	0.078	-133503	LU 11	-197278	-962923	0.078	Si
38	7.6	5.4	7.6	5.4	-15458	LU 8	78134	962923	0.078	-108393	LU 11	-197278	-962923	0.078	Si
43	7.6	5.4	7.6	5.4	4601	LU 8	78134	962923	0.078	-83510	LU 11	-197278	-962923	0.078	Si
48	7.6	5.4	7.6	5.4	24484	LU 8	78134	962923	0.078	-58855	LU 11	-197278	-962923	0.078	Si
53	7.6	5.4	7.6	5.4	44193	LU 8	78134	962923	0.078	-34427	LU 11	-179633	-962923	0.078	Si
58	7.6	5.4	7.6	5.4	66102	LU 17	78134	962923	0.078	-12603	LU 2	-154110	-962923	0.078	Si
60	7.6	5.4	7.6	5.4	78134	LU 17	78134	962923	0.078	-2913	LU 2	-141430	-962923	0.078	Si
65	7.6	5.4	7.6	5.4	102017	LU 17	98132	962923	0.078						Si
70	7.6	5.4	7.6	5.4	125677	LU 17	110133	962923	0.078						Si
75	7.6	5.4	7.6	5.4	149108	LU 17	114133	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5886	LU 18	5886	8821	68363	0	8821	1	Si
5	0	7.6	0	5840	LU 18	5840	8821	68363	0	8821	1	Si
10	0	7.6	0	5795	LU 18	5795	8821	68363	0	8821	1	Si
15	0	7.6	0	5749	LU 18	5749	8821	68363	0	8821	1	Si
20	0.126	7.6	0	5704	LU 18	5704	8821	68363	14587	14587	1	Si
23	0.126	7.6	0	5681	LU 18	5681	8821	68363	14587	14587	1	Si
28	0.126	7.6	0	5636	LU 18	5636	8821	68363	14587	14587	1	Si
33	0.126	7.6	0	5590	LU 18	5590	8821	68363	14587	14587	1	Si
38	0.126	7.6	0	5545	LU 18	5545	8821	68363	14587	14587	1	Si
43	0.126	7.6	0	5499	LU 18	5499	8821	68363	14587	14587	1	Si
48	0.126	7.6	0	5454	LU 18	5454	8821	68363	14587	14587	1	Si
53	0.126	7.6	0	5408	LU 18	5408	8821	68363	14587	14587	1	Si
58	0.126	7.6	0	5363	LU 18	5363	8821	68363	14587	14587	1	Si
60	0.126	7.6	0	5340	LU 18	5340	8821	68363	14587	14587	1	Si
65	0	7.6	0	5294	LU 18	5294	8821	68363	0	8821	1	Si
70	0	7.6	0	5249	LU 18	5249	8821	68363	0	8821	1	Si
75	0	7.6	0	5203	LU 18	5203	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-230900	3	-188077	4.9	124.5	73.5	1837	-195579	2	-158891	7.1	93.4	0	+∞	Si
5	-209575	3	-185488	4.8	124.5	72.5	1837	-177321	2	-156685	7	93.4	0	+∞	Si
10	-188425	3	-177721	4.6	124.5	69.5	1837	-159239	2	-150068	6.7	93.4	0	+∞	Si
15	-167450	3	-164775	4.3	124.5	64.4	1837	-141332	2	-139040	6.2	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
20	-146681	2	-146681	3.8	124.5	57.3	1837	-123603	2	-123603	5.5	93.4	0	+∞	Si
23	-136976	2	-146681	3.8	124.5	57.3	1837	-114799	2	-123603	5.5	93.4	0	+∞	Si
28	-117706	2	-146681	3.8	124.5	57.3	1837	-97329	2	-123603	5.5	93.4	0	+∞	Si
33	-98612	2	-146681	3.8	124.5	57.3	1837	-80035	2	-123603	5.5	93.4	0	+∞	Si
38	-79692	2	-146681	3.8	124.5	57.3	1837	-62915	2	-123603	5.5	93.4	0	+∞	Si
43	-60947	2	-146681	3.8	124.5	57.3	1837	-45970	2	-123603	5.5	93.4	0	+∞	Si
48	8472	8	54180	1.4	124.5	21.2	1837								Si
48	-42377	2	-146681	3.8	124.5	57.3	1837	-29201	2	-123603	5.5	93.4	0	+∞	Si
53	26885	8	54180	1.4	124.5	21.2	1837								Si
53	-23982	2	-133378	3.5	124.5	52.1	1837	-12606	2	-111537	5	93.4	0	+∞	Si
58	45124	8	54180	1.4	124.5	21.2	1837	7918	1	15678	0.7	93.4	0	+∞	Si
58	-5763	2	-114141	3	124.5	44.6	1837								Si
60	54180	8	54180	1.4	124.5	21.2	1837	15678	1	15678	0.7	93.4	0	+∞	Si
65	72153	8	69231	1.8	124.5	27.1	1837	31062	1	28571	1.3	93.4	0	+∞	Si
70	89954	8	78263	2	124.5	30.6	1837	46272	1	36308	1.6	93.4	0	+∞	Si
75	107580	8	81274	2.1	124.5	31.8	1837	61308	1	38887	1.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
5	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
10	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
15	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
28	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
33	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
38	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
43	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
48	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
53	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
58	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
60	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
65	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
70	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Campata 4 tra i fili ? - 22, sezione R 40x70, asta 1133

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	155820	LU 17	124304	962923	0.078						Si
13	7.6	5.4	7.6	5.4	102030	LU 18	101327	962923	0.078						Si
15	7.6	5.4	7.6	5.4	93199	LU 18	93199	962923	0.078	24092	LU 1	-79168	-962923	0.078	Si
25	7.6	5.4	7.6	5.4	55355	LU 9	93199	962923	0.078	-7042	LU 10	-120342	-962923	0.078	Si
38	7.6	5.4	7.6	5.4	16763	LU 9	93199	962923	0.078	-55445	LU 10	-172095	-962923	0.078	Si
44	7.6	5.4	7.6	5.4	-2953	LU 9	92206	962923	0.078	-80193	LU 10	-198519	-962923	0.078	Si
57	7.6	5.4	7.6	5.4	-43229	LU 9	47503	962923	0.078	-130786	LU 10	-252462	-962923	0.078	Si
70	12.5	5.4	7.6	5.4	-84628	LU 9	12777	963465	0.08	-182838	LU 10	-307865	-1545218	0.089	Si
82	14.3	5.4	7.6	5.4	-119540	LU 3	15414	963583	0.08	-236350	LU 10	-369956	-1757671	0.093	Si
95	16.09	5.4	7.6	5.4	-153952	LU 3	15860	963677	0.081	-291323	LU 10	-434915	-1969939	0.098	Si
108	17.88	5.4	7.6	5.4	-189487	LU 3	14117	963753	0.081	-351150	LU 15	-503100	-2181874	0.104	Si
120	19.01	5.4	9.52	5.4	-226145	LU 3	10184	1190636	0.083	-415256	LU 15	-572745	-2315300	0.103	Si
133	19.01	5.4	10.37	5.4	-261962	LU 2	4060	1291691	0.084	-482786	LU 17	-632116	-2315287	0.102	Si
146	19.01	5.4	11.22	5.4						-552001	LU 17	-632116	-2315267	0.1	Si
152	19.01	5.4	11.4	5.4						-587156	LU 17	-632116	-2315219	0.1	Si
160	19.01	5.4	11.4	5.4						-632116	LU 17	-632116	-2315219	0.1	Si
165	19.01	5.4	11.4	5.4						-658560	LU 17	-656444	-2315219	0.1	Si
177	19.01	5.4	11.4	5.4						-731425	LU 17	-701788	-2315219	0.1	Si
190	19.01	5.4	11.4	5.4						-805749	LU 17	-716903	-2315219	0.1	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-4197	LU 17	-4197	-8821	-68363	0	-8821	1	Si
13	0	7.6	0	-4312	LU 17	-4312	-8821	-68363	0	-8821	1	Si
15	0.139	7.6	0	-4333	LU 17	-4333	-8821	-68363	-16098	-16098	1	Si
25	0.139	7.6	0	-4427	LU 17	-4427	-8821	-68363	-16098	-16098	1	Si
38	0.139	7.6	0	-4542	LU 17	-4542	-8821	-68363	-16098	-16098	1	Si
44	0.139	7.6	0	-4600	LU 17	-4600	-8821	-68363	-16098	-16098	1	Si
57	0.139	7.6	0	-4715	LU 17	-4715	-8821	-68363	-16098	-16098	1	Si
70	0.139	7.6	0	-4830	LU 17	-4830	-8821	-68363	-16098	-16098	1	Si
82	0.139	7.6	0	-4946	LU 17	-4946	-8821	-68363	-16098	-16098	1	Si
95	0.139	7.6	0	-5061	LU 17	-5061	-8821	-68363	-16098	-16098	1	Si
108	0.139	7.6	0	-5176	LU 17	-5176	-8821	-68363	-16098	-16098	1	Si
120	0.139	7.6	0	-5292	LU 17	-5292	-8821	-68363	-16098	-16098	1	Si
133	0.139	12.5	0	-5407	LU 17	-5407	-10412	-68363	-16098	-16098	1	Si
146	0.139	14.3	0	-5522	LU 17	-5522	-10887	-68363	-16098	-16098	1	Si
152	0.139	15.19	0	-5580	LU 17	-5580	-11110	-68363	-16098	-16098	1	Si
160	0.139	16.09	0	-5652	LU 17	-5652	-11324	-68363	-16098	-16098	1	Si
165	0	16.98	0	-5695	LU 17	-5695	-11530	-68363	0	-11530	1	Si
177	0	18.77	0	-5810	LU 17	-5810	-11922	-68363	0	-11922	1	Si
190	0	19.01	0	-5925	LU 17	-5925	-11971	-68363	0	-11971	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	112637	8	88904	2.3	124.5	34.7	1837	65679	1	45263	2	93.4	0	+∞	Si
13	72113	9	71574	1.9	124.5	28	1837	30720	2	30222	1.4	93.4	0	+∞	Si
15	65345	9	65345	1.7	124.5	25.5	1837	24489	2	24489	1.1	93.4	0	+∞	Si
25	35097	9	65345	1.7	124.5	25.5	1837								Si
25	-5417	1	-92570	1.8	124.5	36.2	1837	-5417	1	-92570	4.2	93.4	0	+∞	Si
38	-42650	1	-132381	3.4	124.5	51.7	1837	-42650	1	-132381	5.9	93.4	0	+∞	Si
44	-61687	1	-152707	4	124.5	59.7	1837	-61687	1	-152707	6.8	93.4	0	+∞	Si
57	-100604	1	-194201	5.1	124.5	75.9	1837	-100604	1	-194201	8.7	93.4	0	+∞	Si
70	-140645	1	-236819	8.9	124.5	323.8	1837	-140645	1	-236819	8.9	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
82	-181808	1	-284045	10.1	124.5	341.5	1837	-181808	1	-280560	10	93.4	0	+∞	Si
95	-224094	1	-333333	11.4	124.5	358	1837	-224094	1	-325424	11.2	93.4	0	+∞	Si
108	-269767	6	-384921	12.8	124.5	373.7	1837	-267504	1	-371411	12.3	93.4	0	+∞	Si
120	-318442	6	-437633	13.8	124.5	399.6	1837	-312036	1	-418521	13.2	93.4	0	+∞	Si
133	-369550	8	-482582	15.1	124.5	440.1	1837	-357692	1	-458784	14.3	93.4	0	+∞	Si
146	-421930	8	-482582	14.9	124.5	439.5	1837	-404471	1	-458784	14.1	93.4	0	+∞	Si
152	-448541	8	-482582	14.8	124.5	439.4	1837	-428281	1	-458784	14.1	93.4	0	+∞	Si
160	-482582	8	-482582	14.8	124.5	439.4	1837	-458784	1	-458784	14.1	93.4	0	+∞	Si
165	-502606	8	-501003	15.4	124.5	456.2	1837	-476744	1	-475302	14.6	93.4	0	+∞	Si
177	-557794	8	-535337	16.5	124.5	487.5	1837	-526331	1	-506088	15.6	93.4	0	+∞	Si
190	-614105	8	-546782	16.8	124.5	497.9	1837	-577040	1	-516351	15.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
13	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
15	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
25	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
38	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
44	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.003	2	-0.004	2	9999	Si
57	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si
70	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
82	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
95	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	2	-0.007	2	9999	Si
108	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.007	2	9999	Si
114	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
120	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.007	2	9999	Si
133	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	2	-0.007	2	9999	Si
146	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
152	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	2	-0.005	2	9999	Si
160	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si
165	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
177	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si

Campata 5 tra i fili 22 - 11, sezione R 40x70, asta 1134

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-864634	LU 17	-780390	-2315219	0.1	Si
22	19.01	5.4	11.4	5.4						-744947	LU 17	-738534	-2315219	0.1	Si
30	19.01	5.4	11.4	5.4						-700146	LU 17	-700146	-2315219	0.1	Si
43	19.01	5.4	11.29	5.4						-629533	LU 17	-700146	-2315261	0.1	Si
65	17.21	5.4	9.83	5.4						-518391	LU 17	-668604	-2102610	0.098	Si
87	14.15	5.4	7.6	5.4	-237689	LU 2	10247	963573	0.08	-411520	LU 17	-556002	-1739867	0.093	Si
97	12.61	5.4	7.6	5.4	-206321	LU 2	20660	963474	0.08	-359687	LU 17	-501303	-1558143	0.089	Si
108	7.6	5.4	7.6	5.4	-175775	LU 2	29471	962923	0.078	-308922	LU 17	-447672	-962923	0.078	Si
119	7.6	5.4	7.6	5.4	-145567	LU 3	36680	962923	0.078	-259707	LU 15	-395109	-962923	0.078	Si
141	7.6	5.4	7.6	5.4	-86849	LU 3	46292	962923	0.078	-165250	LU 15	-293187	-962923	0.078	Si
162	7.6	5.4	7.6	5.4	-31418	LU 3	50713	962923	0.078	-75258	LU 10	-197160	-962923	0.078	Si
184	7.6	5.4	7.6	5.4	25474	LU 14	128314	962923	0.078	5963	LU 1	-105515	-962923	0.078	Si
206	7.6	5.4	7.6	5.4	101320	LU 13	204943	962923	0.078	62172	LU 2	-20247	-962923	0.078	Si
227	7.6	5.4	7.6	5.4	179252	LU 13	278314	962923	0.078						Si
249	7.6	5.4	9.81	5.4	253840	LU 17	347414	1225656	0.083						Si
260	7.6	5.4	10.54	5.4	289653	LU 17	380361	1312309	0.084						Si
282	7.6	5.4	11.4	5.4	358076	LU 17	397965	1414576	0.086						Si
295	7.6	5.4	11.4	5.4	397965	LU 17	397965	1414576	0.086						Si
303	7.6	5.4	11.4	5.4	422227	LU 17	419048	1414576	0.086						Si
325	7.6	5.4	11.4	5.4	482106	LU 17	442036	1414576	0.086						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.21	0	5623	LU 17	5623	11581	68363	0	11581	1	Si
22	0	14.15	0	5425	LU 17	5425	10849	68363	0	10849	1	Si
30	0.086	12.61	0	5350	LU 17	5350	10442	68363	10004	10442	1	Si
43	0.086	7.6	0	5228	LU 17	5228	8821	68363	10004	10004	1	Si
65	0.086	7.6	0	5031	LU 17	5031	8821	68363	10004	10004	1	Si
87	0.086	7.6	0	4834	LU 17	4834	8821	68363	10004	10004	1	Si
97	0.086	7.6	0	4735	LU 17	4735	8821	68363	10004	10004	1	Si
119	0.08	7.6	0	4538	LU 17	4538	8821	68363	9337	9337	1	Si
141	0.08	7.6	0	4341	LU 17	4341	8821	68363	9337	9337	1	Si
162	0.08	7.6	0	4144	LU 17	4144	8821	68363	9337	9337	1	Si
184	0.08	7.6	0	3947	LU 17	3947	8821	68363	9337	9337	1	Si
206	0.08	7.6	0	3749	LU 17	3749	8821	68363	9337	9337	1	Si
227	0.072	7.6	0	3552	LU 17	3552	8821	68363	8336	8821	1	Si
249	0.072	7.6	0	3355	LU 17	3355	8821	68363	8336	8821	1	Si
260	0.072	7.6	0	3257	LU 17	3257	8821	68363	8336	8821	1	Si
282	0.072	7.6	0	3059	LU 17	3059	8821	68363	8336	8821	1	Si
295	0.072	7.6	0	2938	LU 17	2938	8821	68363	8336	8821	1	Si
303	0	7.6	0	2862	LU 17	2862	8821	68363	0	8821	1	Si
325	0	10.54	0	2665	LU 17	2665	9836	68363	0	9836	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-661961	8	-597487	18.4	124.5	544.1	1837	-641536	1	-579203	17.8	93.4	0	+∞	Si
22	-570370	8	-565462	17.4	124.5	514.9	1837	-553037	1	-548294	16.9	93.4	0	+∞	Si
30	-536090	8	-536090	16.5	124.5	488.1	1837	-519947	1	-519947	16	93.4	0	+∞	Si
43	-482065	8	-536090	16.5	124.5	488.2	1837	-467824	1	-519947	16	93.4	0	+∞	Si
65	-397047	8	-511957	16.6	124.5	513.8	1837	-385897	1	-496660	16.1	93.4	0	+∞	Si
87	-315314	8	-425816	15.3	124.5	517.2	1837	-307256	1	-413610	14.8	93.4	0	+∞	Si
97	-275680	8	-383978	14.3	124.5	520.7	1837	-269168	1	-373317	13.9	93.4	0	+∞	Si
119	-199199	6	-302765	7.9	124.5	118.3	1837	-195456	1	-295196	13.2	93.4	0	+∞	Si
141	-126837	6	-224839	5.9	124.5	87.9	1837	-125030	1	-220362	9.9	93.4	0	+∞	Si
162	-57891	1	-151282	3.9	124.5	59.1	1837	-57891	1	-148813	6.7	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
184	17778	5	97060	2.5	124.5	37.9	1837	7779	2	86383	3.9	93.4	0	+∞	Si
206	76417	4	155634	4.1	124.5	60.8	1837	66530	1	142542	6.4	93.4	0	+∞	Si
227	136009	4	211598	5.5	124.5	82.7	1837	123811	1	195414	8.8	93.4	0	+∞	Si
249	192934	8	264276	10.8	124.5	456.4	1837	177806	1	245000	10	93.4	0	+∞	Si
260	220245	8	289382	11.5	124.5	466.3	1837	203572	1	268561	10.7	93.4	0	+∞	Si
282	272403	8	302793	11.7	124.5	451.8	1837	252638	1	281126	10.9	93.4	0	+∞	Si
295	302793	8	302793	11.7	124.5	451.8	1837	281126	1	281126	10.9	93.4	0	+∞	Si
303	321274	8	318854	12.3	124.5	476.4	1837	298417	1	296162	11.4	93.4	0	+∞	Si
325	366859	8	336365	13	124.5	502.5	1837	340911	1	312557	12.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si
30	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
43	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.007	2	-0.008	2	9999	Si
65	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	2	-0.01	2	9999	Si
87	-0.004	-0.005	-0.003	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.01	2	-0.01	2	9999	Si
97	-0.004	-0.005	-0.003	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.01	2	-0.01	2	9999	Si
119	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	2	-0.009	2	9999	Si
141	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	2	-0.008	2	9999	Si
162	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	2	-0.006	2	9999	Si
184	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
206	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
227	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
249	0.001	0	0.001	0	0.001	0	0	0	0.001	0	0.001	2	0.001	2	9999	Si
260	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
282	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
295	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
303	0.001	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	1	0.001	1	9999	Si

Trave a "Piano 2" 46-12

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 46 - ?, sezione R 40x70, asta 1127

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	16973	LU 8	16973	962923	0.078	-75154	LU 11	-37669	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	113191	LU 17	208098	962923	0.078	-2784	LU 2	-2784	-962923	0.078	Si
35	7.6	5.4	7.6	5.4	138664	LU 17	231191	962923	0.078	16261	LU 2	-2784	-962923	0.078	Si
70	7.6	5.4	7.6	5.4	249436	LU 17	332709	962923	0.078						Si
105	7.6	5.4	7.6	5.4	349073	LU 17	423092	962923	0.078						Si
140	7.6	5.4	7.6	5.4	437575	LU 17	502341	962923	0.078						Si
157	7.6	5.4	7.6	5.4	477651	LU 17	537790	962923	0.078						Si
192	7.6	5.4	7.6	5.4	549450	LU 17	600336	962923	0.078						Si
227	7.6	5.4	7.6	5.4	610115	LU 17	651747	962923	0.078						Si
262	7.6	5.4	7.6	5.4	659645	LU 17	692023	962923	0.078						Si
297	7.6	5.4	7.6	5.4	698040	LU 17	721165	962923	0.078						Si
332	7.6	5.4	7.6	5.4	725300	LU 17	739172	962923	0.078						Si
367	7.6	5.4	11.4	5.4	741426	LU 17	746043	1414576	0.086						Si
385	7.6	5.4	11.4	5.4	745313	LU 17	746416	1414576	0.086						Si
420	7.6	5.4	11.4	5.4	744736	LU 17	746416	1414576	0.086						Si
455	7.6	5.4	11.4	5.4	736618	LU 18	743271	1414576	0.086						Si
490	7.6	5.4	11.4	5.4	718044	LU 18	733950	1414576	0.086						Si
510	7.6	5.4	11.4	5.4	702269	LU 18	723594	1414576	0.086						Si
525	7.6	5.4	11.4	5.4	688336	LU 18	688336	1414576	0.086						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3766	LU 18	3766	8821	68363	0	8821	1	Si
28	0.06	7.6	0	3516	LU 18	3516	8821	68363	7019	8821	1	Si
35	0.06	7.6	0	3448	LU 18	3448	8821	68363	7019	8821	1	Si
70	0.06	7.6	0	3130	LU 18	3130	8821	68363	7019	8821	1	Si
105	0.06	7.6	0	2811	LU 18	2811	8821	68363	7019	8821	1	Si
140	0.06	7.6	0	2493	LU 18	2493	8821	68363	7019	8821	1	Si
157	0.06	7.6	0	2334	LU 18	2334	8821	68363	7019	8821	1	Si
192	0.06	7.6	0	2016	LU 18	2016	8821	68363	7019	8821	1	Si
227	0.06	7.6	0	1697	LU 18	1697	8821	68363	7019	8821	1	Si
262	0.06	7.6	0	1379	LU 18	1379	8821	68363	7019	8821	1	Si
297	0.06	7.6	0	1061	LU 18	1061	8821	68363	7019	8821	1	Si
332	0.06	7.6	0	742	LU 18	742	8821	68363	7019	8821	1	Si
367	0.06	7.6	0	429	LU 9	429	8821	68363	7019	8821	1	Si
367	0.06	7.6	0	-21	LU 10	-21	-8821	-68363	-7019	-8821	1	Si
385	0.06	7.6	0	306	LU 9	306	8821	68363	7019	8821	1	Si
385	0.06	7.6	0	-180	LU 10	-180	-8821	-68363	-7019	-8821	1	Si
420	0.06	10.26	0	61	LU 9	61	9748	68363	7019	9748	1	Si
420	0.06	10.26	0	-498	LU 10	-498	-9748	-68363	-7019	-9748	1	Si
455	0.06	11.4	0	-817	LU 10	-817	-10097	-68363	-7019	-10097	1	Si
490	0.06	11.4	0	-1135	LU 10	-1135	-10097	-68363	-7019	-10097	1	Si
510	0.06	11.4	0	-1317	LU 10	-1317	-10097	-68363	-7019	-10097	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
525	0	11.4	0	-1453	LU 10	-1453	-10097	-68363	0	-10097	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	11076	8	11076	0.3	124.5	4.3	1837								Si
0	-50198	2	-15386	0.4	124.5	6	1837	-15561	2	-15561	0.7	93.4	0	+∞	Si
28	84346	8	156390	4.1	124.5	61.1	1837	66639	1	132432	5.9	93.4	0	+∞	Si
35	103693	8	173906	4.5	124.5	68	1837	84378	1	148340	6.7	93.4	0	+∞	Si
70	187745	8	250840	6.5	124.5	98	1837	160908	1	217751	9.8	93.4	0	+∞	Si
105	263232	8	319208	8.3	124.5	124.8	1837	228873	1	278598	12.5	93.4	0	+∞	Si
140	330153	8	379011	9.9	124.5	148.1	1837	288272	1	330879	14.8	93.4	0	+∞	Si
157	360402	8	405701	10.6	124.5	158.6	1837	314760	1	353808	15.9	93.4	0	+∞	Si
192	414475	8	452656	11.8	124.5	176.9	1837	361311	1	393241	17.6	93.4	0	+∞	Si
227	459983	8	491046	12.8	124.5	191.9	1837	399297	1	424109	19	93.4	0	+∞	Si
262	496926	8	520871	13.6	124.5	203.6	1837	428718	1	446412	20	93.4	0	+∞	Si
297	525303	8	542130	14.1	124.5	211.9	1837	449574	1	460149	20.6	93.4	0	+∞	Si
332	545115	8	554824	14.5	124.5	216.9	1837	461864	1	465321	20.9	93.4	0	+∞	Si
367	556362	8	558953	21.6	124.5	835.1	1837	465589	1	465589	18	93.4	0	+∞	Si
385	558774	8	559044	21.6	124.5	835.2	1837	464239	1	465589	18	93.4	0	+∞	Si
420	557173	8	559044	21.6	124.5	835.2	1837	455116	1	463059	17.9	93.4	0	+∞	Si
455	549402	9	555846	21.5	124.5	830.4	1837	438455	2	452501	17.5	93.4	0	+∞	Si
490	533519	9	547081	21.1	124.5	817.3	1837	413422	2	434587	16.8	93.4	0	+∞	Si
510	520473	9	538203	20.8	124.5	804.1	1837	395149	2	420483	16.2	93.4	0	+∞	Si
525	509071	9	509071	19.7	124.5	760.6	1837	379824	2	379824	14.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
28	0.007	0.006	0.007	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.015	1	0.014	1	9999	Si
35	0.009	0.007	0.008	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.019	1	0.018	1	9999	Si
70	0.018	0.014	0.017	0.013	0.016	0.015	0.015	0.014	0.016	0.015	0.037	1	0.036	1	9999	Si
105	0.027	0.021	0.024	0.019	0.023	0.022	0.021	0.02	0.023	0.022	0.053	1	0.052	1	9845	Si
140	0.034	0.027	0.031	0.024	0.03	0.028	0.027	0.025	0.029	0.028	0.068	1	0.066	1	7734	Si
157	0.037	0.03	0.034	0.027	0.032	0.031	0.029	0.028	0.032	0.031	0.074	1	0.073	1	7073	Si
192	0.042	0.034	0.038	0.031	0.037	0.035	0.034	0.032	0.036	0.036	0.085	1	0.083	1	6193	Si
227	0.046	0.037	0.042	0.034	0.04	0.038	0.037	0.035	0.039	0.039	0.092	1	0.091	1	5699	Si
262	0.048	0.039	0.044	0.035	0.042	0.04	0.038	0.036	0.041	0.041	0.096	1	0.094	1	5474	Si
280	0.049	0.039	0.044	0.036	0.042	0.04	0.038	0.036	0.041	0.041	0.096	1	0.095	1	5446	Si
297	0.048	0.039	0.044	0.036	0.042	0.04	0.038	0.036	0.041	0.041	0.096	1	0.095	1	5474	Si
332	0.047	0.038	0.042	0.034	0.041	0.039	0.037	0.035	0.04	0.039	0.092	1	0.091	1	5712	Si
367	0.043	0.035	0.039	0.031	0.037	0.036	0.033	0.032	0.036	0.036	0.084	1	0.083	1	6261	Si
385	0.04	0.033	0.036	0.029	0.035	0.033	0.031	0.03	0.034	0.034	0.078	1	0.077	1	6702	Si
420	0.033	0.027	0.03	0.024	0.029	0.027	0.026	0.025	0.028	0.028	0.064	1	0.064	1	8157	Si
455	0.024	0.02	0.022	0.018	0.021	0.02	0.019	0.018	0.02	0.02	0.047	1	0.046	1	9999	Si
490	0.013	0.011	0.012	0.01	0.011	0.011	0.01	0.01	0.011	0.011	0.025	1	0.025	1	9999	Si
510	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	1	0.011	1	9999	Si

Campata 2 tra i fili ? - 23, sezione R 40x70, asta 1128

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	723980	LU 18	625282	1414576	0.086						Si
12	7.6	5.4	11.4	5.4	562991	LU 18	559480	1414576	0.086						Si
15	7.6	5.4	11.4	5.4	525602	LU 18	525602	1414576	0.086						Si
24	7.6	5.4	11.4	5.4	400651	LU 18	525602	1414576	0.086	188094	LU 1	-92894	-963377	0.08	Si
37	7.6	5.4	10.74	5.4	236959	LU 18	525602	1335244	0.085	80010	LU 1	-236626	-963318	0.079	Si
43	7.6	5.4	10.33	5.4	154606	LU 18	525602	1286502	0.084	25579	LU 1	-309000	-963278	0.079	Si
55	11.18	5.4	9.51	5.4	14106	LU 9	381911	1189114	0.082	-109284	LU 10	-459143	-1388412	0.086	Si
67	12.33	5.4	7.6	5.4	-119760	LU 9	218064	963452	0.08	-253172	LU 10	-632120	-1524889	0.089	Si
79	13.48	5.4	7.6	5.4	-243322	LU 3	65381	963532	0.08	-398411	LU 10	-808800	-1661200	0.091	Si
91	17.6	5.4	7.6	5.4	-350664	LU 2	15532	963743	0.081	-564380	LU 17	-986831	-2149436	0.103	Si
104	19.33	5.4	7.6	5.4	-457276	LU 2	14310	963806	0.081	-740539	LU 17	-1166214	-2353080	0.108	Si
116	20.48	5.4	7.6	5.4	-564928	LU 2	11061	963843	0.081	-918049	LU 17	-1346949	-2488659	0.112	Si
128	21.62	5.4	7.6	5.4	-673619	LU 2	5784	963878	0.081	-1096912	LU 17	-1529035	-2623982	0.115	Si
134	22.2	5.4	7.6	5.4	-728355	LU 2	2386	963894	0.081	-1186850	LU 17	-1615758	-2691180	0.12	Si
146	22.81	5.4	7.6	5.4						-1367739	LU 17	-1615758	-2762053	0.125	Si
158	22.81	5.4	7.6	5.4						-1549981	LU 17	-1615758	-2762053	0.125	Si
163	22.81	5.4	7.6	5.4						-1615758	LU 17	-1615758	-2762053	0.125	Si
171	22.81	5.4	7.6	5.4						-1733574	LU 17	-1710366	-2762053	0.125	Si
183	22.81	5.4	7.6	5.4						-1918518	LU 17	-1766245	-2762053	0.125	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-13567	LU 17	-13567	-8821	-68363	0	-8821	1	Si
12	0	7.6	0	-13678	LU 17	-13678	-8821	-68363	0	-8821	1	Si
15	0.17	7.6	0	-13704	LU 17	-13704	-8821	-68363	-19740	-19740	1	Si
24	0.17	7.6	0	-13789	LU 17	-13789	-8821	-68363	-19740	-19740	1	Si
37	0.17	7.6	0	-13900	LU 17	-13900	-8821	-68363	-19740	-19740	1	Si
43	0.17	7.6	0	-13955	LU 17	-13955	-8821	-68363	-19740	-19740	1	Si
55	0.17	7.6	0	-14066	LU 17	-14066	-8821	-68363	-19740	-19740	1	Si
67	0.17	7.6	0	-14177	LU 17	-14177	-8821	-68363	-19740	-19740	1	Si
79	0.17	7.6	0	-14288	LU 17	-14288	-8821	-68363	-19740	-19740	1	Si
91	0.17	7.6	0	-14399	LU 17	-14399	-8821	-68363	-19740	-19740	1	Si
104	0.17	7.6	0	-14510	LU 17	-14510	-8821	-68363	-19740	-19740	1	Si
116	0.17	10.61	0	-14621	LU 17	-14621	-9857	-68363	-19740	-19740	1	Si
128	0.17	11.76	0	-14732	LU 17	-14732	-10201	-68363	-19740	-19740	1	Si
134	0.17	12.33	0	-14787	LU 17	-14787	-10364	-68363	-19740	-19740	1	Si
146	0.17	13.48	0	-14898	LU 17	-14898	-10676	-68363	-19740	-19740	1	Si
158	0.17	17.6	0	-15009	LU 17	-15009	-11669	-68363	-19740	-19740	1	Si
163	0.17	18.75	0	-15049	LU 17	-15049	-11918	-68363	-19740	-19740	1	Si
171	0	19.33	0	-15120	LU 17	-15120	-12038	-68363	0	-12038	1	Si
183	0	20.48	0	-15231	LU 17	-15231	-12272	-68363	0	-12272	1	Si

Verifiche delle tensioni in esercizio

x	Rara	Quasi permanente	Verifica

	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	536139	9	461681	17.8	124.5	689.8	1837	404071	2	340009	13.1	93.4	0	+∞	Si
12	414679	9	412030	15.9	124.5	615.6	1837	299505	2	297221	11.5	93.4	0	+∞	Si
15	386467	9	386467	14.9	124.5	577.4	1837	275191	2	275191	10.6	93.4	0	+∞	Si
24	292180	9	386467	14.9	124.5	577.4	1837	193899	2	275191	10.6	93.4	0	+∞	Si
37	168641	9	386467	15.3	124.5	612	1837	87253	2	275191	10.9	93.4	0	+∞	Si
43	106481	9	386467	15.5	124.5	635.4	1837	33540	2	275191	11	93.4	0	+∞	Si
55	-84065	1	-352737	13.3	124.5	535.9	1837	-84065	1	-349815	13.2	93.4	0	+∞	Si
67	-194748	1	-483144	18.2	124.5	669.4	1837	-194748	1	-462978	17.4	93.4	0	+∞	Si
79	-306470	1	-616157	22.5	124.5	783.7	1837	-306470	1	-577181	21	93.4	0	+∞	Si
91	-432151	8	-750211	25	124.5	739.2	1837	-419233	1	-692423	23.1	93.4	0	+∞	Si
104	-564764	8	-885304	28.6	124.5	797.9	1837	-533035	1	-808705	26.1	93.4	0	+∞	Si
116	-698416	8	-1021436	31.8	124.5	871.3	1837	-647877	1	-926027	29.4	93.4	0	+∞	Si
128	-833109	8	-1158609	36.2	124.5	938.3	1837	-763758	1	-1044389	32.6	93.4	0	+∞	Si
134	-900845	8	-1223948	37.9	124.5	966.8	1837	-822089	1	-1100818	34.1	93.4	0	+∞	Si
146	-1037097	8	-1223948	37.6	124.5	942.2	1837	-939530	1	-1100818	33.8	93.4	0	+∞	Si
158	-1174388	8	-1223948	37.6	124.5	942.2	1837	-1058010	1	-1100818	33.8	93.4	0	+∞	Si
163	-1223948	8	-1223948	37.6	124.5	942.2	1837	-1100818	1	-1100818	33.8	93.4	0	+∞	Si
171	-1312720	8	-1295230	39.8	124.5	997.1	1837	-1177531	1	-1162397	35.7	93.4	0	+∞	Si
183	-1452091	8	-1337333	41	124.5	1029.5	1837	-1298091	1	-1198768	36.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
128	superiore	33.3	0.00027	0.0091	8	33.3	0.00025	0.0083	3	33.3	0.00025	0.0082	1	Si
134	superiore	32.8	0.00028	0.0092	8	32.8	0.00026	0.0084	3	32.8	0.00025	0.0083	1	Si
146	superiore	32.3	0.00027	0.0089	8	32.3	0.00025	0.0081	3	32.3	0.00025	0.008	1	Si
158	superiore	32.3	0.00027	0.0089	8	32.3	0.00025	0.0081	3	32.3	0.00025	0.008	1	Si
163	superiore	32.3	0.00027	0.0089	8	32.3	0.00025	0.0081	3	32.3	0.00025	0.008	1	Si
171	superiore	32.3	0.00029	0.0094	8	32.3	0.00027	0.0088	3	32.3	0.00026	0.0085	1	Si
183	superiore	32.3	0.0003	0.0097	8	32.3	0.00029	0.0092	3	32.3	0.00028	0.009	1	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
12	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
15	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	2	-0.002	2	9999	Si
24	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
37	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
43	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
55	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
67	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	2	-0.009	2	9999	Si
79	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	2	-0.01	2	9999	Si
91	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	2	-0.012	2	9999	Si
104	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.012	2	-0.012	2	9999	Si
116	-0.005	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	2	-0.013	2	9999	Si
128	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	2	-0.012	2	9999	Si
134	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.011	2	-0.012	2	9999	Si
146	-0.004	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	2	-0.011	2	9999	Si
158	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
163	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
171	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si

Campata 3 tra i fili 23 - 12, sezione R 40x70, asta 1129

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-1584678	LU 17	-1505734	-2762053	0.125	Si
20	22.81	5.4	7.6	5.4						-1430781	LU 17	-1430781	-2762053	0.125	Si
45	22.52	5.4	7.6	5.4						-1240980	LU 17	-1430781	-2728674	0.123	Si
68	20.2	5.4	7.6	5.4						-1076354	LU 17	-1288507	-2455822	0.111	Si
91	15.92	5.4	7.6	5.4	-507008	LU 2	15285	963668	0.081	-916543	LU 17	-1122521	-1950635	0.098	Si
102	11.81	5.4	7.6	5.4	-462043	LU 2	26681	963412	0.08	-838444	LU 17	-1041334	-1463161	0.087	Si
125	7.6	5.4	7.6	5.4	-374890	LU 2	44214	962923	0.078	-685856	LU 17	-882570	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	-291441	LU 2	54733	962923	0.078	-538083	LU 17	-728622	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	-211697	LU 2	58240	962923	0.078	-395125	LU 17	-579489	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	-135656	LU 2	54733	962923	0.078	-256983	LU 17	-435171	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	-63319	LU 2	44214	962923	0.078	-123656	LU 17	-295668	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	6745	LU 11	162477	962923	0.078	3411	LU 4	-160980	-962923	0.078	Si
249	7.6	5.4	7.6	5.4	67307	LU 17	221840	962923	0.078	38241	LU 2	-95442	-962923	0.078	Si
272	7.6	5.4	7.6	5.4	188596	LU 17	336954	962923	0.078						Si
295	7.6	5.4	10.48	5.4	305070	LU 17	429440	1305076	0.084						Si
320	7.6	5.4	11.4	5.4	429440	LU 17	429440	1414576	0.086						Si
340	7.6	5.4	11.4	5.4	523573	LU 17	476688	1414576	0.086						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	20.2	0	7680	LU 17	7680	12216	68363	0	12216	1	Si
20	0.06	18.06	0	7495	LU 17	7495	11769	68363	7003	11769	1	Si
45	0.06	10.74	0	7261	LU 17	7261	9899	68363	7003	9899	1	Si
57	0.06	7.6	0	7157	LU 17	7157	8821	68363	7003	8821	1	Si
68	0.06	7.6	0	7052	LU 17	7052	8821	68363	7003	8821	1	Si
91	0.06	7.6	0	6843	LU 17	6843	8821	68363	7003	8821	1	Si
102	0.06	7.6	0	6738	LU 17	6738	8821	68363	7003	8821	1	Si
125	0.06	7.6	0	6529	LU 17	6529	8821	68363	7003	8821	1	Si
147	0.06	7.6	0	6319	LU 17	6319	8821	68363	7003	8821	1	Si
170	0.06	7.6	0	6110	LU 17	6110	8821	68363	7003	8821	1	Si
193	0.06	7.6	0	5901	LU 17	5901	8821	68363	7003	8821	1	Si
215	0.06	7.6	0	5691	LU 17	5691	8821	68363	7003	8821	1	Si
238	0.06	7.6	0	5482	LU 17	5482	8821	68363	7003	8821	1	Si
249	0.06	7.6	0	5377	LU 17	5377	8821	68363	7003	8821	1	Si
272	0.06	7.6	0	5168	LU 17	5168	8821	68363	7003	8821	1	Si
295	0.06	7.6	0	4959	LU 17	4959	8821	68363	7003	8821	1	Si
320	0.06	7.6	0	4725	LU 17	4725	8821	68363	7003	8821	1	Si
340	0	7.6	0	4540	LU 17	4540	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1199888	8	-1139969	35	124.5	877.6	1837	-1075768	1	-1021103	31.3	93.4	0	+∞	Si
20	-1083098	8	-1083098	33.2	124.5	833.8	1837	-969333	1	-969333	29.8	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
45	-939116	8	-1083098	33.4	124.5	843.9	1837	-838467	1	-969333	29.9	93.4	0	+∞	Si
68	-814286	8	-975165	31.1	124.5	842.8	1837	-725372	1	-871201	27.8	93.4	0	+∞	Si
91	-693160	8	-849289	29.2	124.5	921	1837	-615982	1	-757060	26.1	93.4	0	+∞	Si
102	-633986	8	-787739	30.1	124.5	1137.6	1837	-562676	1	-701379	26.8	93.4	0	+∞	Si
125	-518416	8	-667419	17.4	124.5	260.9	1837	-458841	1	-592794	26.6	93.4	0	+∞	Si
147	-406550	8	-550803	14.4	124.5	215.3	1837	-358710	1	-487913	21.9	93.4	0	+∞	Si
170	-298388	8	-437890	11.4	124.5	171.2	1837	-262284	1	-386736	17.3	93.4	0	+∞	Si
193	-193930	8	-328682	8.6	124.5	128.5	1837	-169561	1	-289263	13	93.4	0	+∞	Si
215	-93176	8	-223178	5.8	124.5	87.2	1837	-80543	1	-195494	8.8	93.4	0	+∞	Si
238	5133	2	122805	3.2	124.5	48	1837	4880	2	108653	4.9	93.4	0	+∞	Si
249	51010	8	167566	4.4	124.5	65.5	1837	46040	1	147546	6.6	93.4	0	+∞	Si
272	142504	8	254310	6.6	124.5	99.4	1837	125799	1	222554	10	93.4	0	+∞	Si
295	230294	8	323945	12.9	124.5	524.9	1837	201854	1	282389	11.2	93.4	0	+∞	Si
320	323945	8	323945	12.5	124.5	484	1837	282389	1	282389	10.9	93.4	0	+∞	Si
340	394762	8	359505	13.9	124.5	537.1	1837	342851	1	312847	12.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	32.3	0.00026	0.0083	8	32.3	0.00023	0.0075	3	32.3	0.00023	0.0074	1	Si
20	superiore	32.3	0.00024	0.0079	8	32.3	0.00022	0.0072	3	32.3	0.00022	0.007	1	Si
45	superiore	32.6	0.00025	0.008	8	32.6	0.00022	0.0073	3	32.6	0.00022	0.0072	1	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.004	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	2	-0.01	2	9999	Si
45	-0.008	-0.011	-0.007	-0.009	-0.009	-0.01	-0.008	-0.008	-0.009	-0.009	-0.02	2	-0.02	2	9999	Si
68	-0.011	-0.014	-0.009	-0.012	-0.011	-0.012	-0.01	-0.011	-0.012	-0.012	-0.025	2	-0.026	2	9999	Si
91	-0.012	-0.015	-0.011	-0.014	-0.013	-0.014	-0.011	-0.012	-0.013	-0.014	-0.029	2	-0.03	2	9999	Si
102	-0.012	-0.016	-0.011	-0.014	-0.013	-0.014	-0.012	-0.013	-0.013	-0.014	-0.03	2	-0.031	2	9999	Si
125	-0.012	-0.016	-0.011	-0.014	-0.013	-0.014	-0.012	-0.013	-0.014	-0.014	-0.03	2	-0.031	2	9999	Si
147	-0.012	-0.015	-0.011	-0.014	-0.013	-0.014	-0.011	-0.012	-0.013	-0.013	-0.029	2	-0.03	2	9999	Si
170	-0.011	-0.014	-0.01	-0.012	-0.011	-0.012	-0.01	-0.011	-0.012	-0.012	-0.027	2	-0.028	2	9999	Si
193	-0.009	-0.012	-0.008	-0.011	-0.01	-0.011	-0.009	-0.01	-0.01	-0.011	-0.023	2	-0.024	2	9999	Si
215	-0.008	-0.01	-0.007	-0.009	-0.008	-0.009	-0.007	-0.008	-0.008	-0.009	-0.019	2	-0.02	2	9999	Si
238	-0.006	-0.008	-0.005	-0.007	-0.006	-0.007	-0.006	-0.006	-0.007	-0.007	-0.015	2	-0.016	2	9999	Si
249	-0.005	-0.007	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.006	-0.006	-0.013	2	-0.013	2	9999	Si
272	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.009	2	-0.009	2	9999	Si
295	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
320	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si

Trave a "Piano 2" 47-13

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 47 - 24, sezione R 40x70, asta 1125

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-186848	LU 11	-151139	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	-29796	LU 4	17951	962923	0.078	-118519	LU 11	-118519	-962923	0.078	Si
47	7.6	5.4	7.6	5.4	947	LU 13	52320	962923	0.078	-73456	LU 2	-118519	-962923	0.078	Si
94	7.6	5.4	7.6	5.4	81220	LU 10	120272	962923	0.078	1268	LU 3	-43282	-962923	0.078	Si
141	7.6	5.4	7.6	5.4	141429	LU 10	168004	962923	0.078						Si
189	7.6	5.4	7.6	5.4	181395	LU 10	195494	962923	0.078						Si
212	7.6	5.4	7.6	5.4	193787	LU 10	201648	962923	0.078						Si
259	7.6	5.4	7.6	5.4	203390	LU 10	203390	962923	0.078						Si
307	7.6	5.4	7.6	5.4	192751	LU 10	249452	962923	0.078						Si
354	7.6	5.4	7.6	5.4	171519	LU 11	265840	962923	0.078						Si
401	7.6	5.4	7.6	5.4	133272	LU 11	251866	962923	0.078						Si
448	7.6	5.4	7.6	5.4	74783	LU 11	207528	962923	0.078	28331	LU 4	-17259	-962923	0.078	Si
495	7.6	5.4	7.6	5.4	8104	LU 2	132827	962923	0.078	-54441	LU 13	-121595	-962923	0.078	Si
542	7.6	5.4	7.6	5.4	-65058	LU 2	27762	962923	0.078	-166543	LU 13	-246174	-962923	0.078	Si
566	7.6	5.4	7.6	5.4						-230185	LU 13	-316054	-962923	0.078	Si
613	7.6	5.4	7.6	5.4						-372650	LU 13	-470995	-962923	0.078	Si
660	7.6	5.4	7.6	5.4						-535357	LU 13	-638580	-962923	0.078	Si
687	7.6	5.4	7.6	5.4						-638580	LU 13	-638580	-962923	0.078	Si
707	7.6	5.4	7.6	5.4						-718307	LU 13	-677697	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2623	LU 11	2623	8821	68363	0	8821	1	Si
28	0.061	7.6	0	2372	LU 11	2372	8821	68363	7074	8821	1	Si
47	0.061	7.6	0	2193	LU 11	2193	8821	68363	7074	8821	1	Si
94	0.061	7.6	0	1764	LU 11	1764	8821	68363	7074	8821	1	Si
141	0.061	7.6	0	1335	LU 11	1335	8821	68363	7074	8821	1	Si
189	0.061	7.6	0	906	LU 11	906	8821	68363	7074	8821	1	Si
212	0.061	7.6	0	691	LU 11	691	8821	68363	7074	8821	1	Si
259	0.061	7.6	0	265	LU 2	265	8821	68363	7074	8821	1	Si
259	0.061	7.6	0	-16	LU 13	-16	-8821	-68363	-7074	-8821	1	Si
307	0.061	7.6	0	-446	LU 13	-446	-8821	-68363	-7074	-8821	1	Si
354	0.061	7.6	0	-875	LU 13	-875	-8821	-68363	-7074	-8821	1	Si
401	0.061	7.6	0	-1304	LU 13	-1304	-8821	-68363	-7074	-8821	1	Si
448	0.061	7.6	0	-1733	LU 13	-1733	-8821	-68363	-7074	-8821	1	Si
495	0.061	7.6	0	-2162	LU 13	-2162	-8821	-68363	-7074	-8821	1	Si
542	0.061	7.6	0	-2591	LU 13	-2591	-8821	-68363	-7074	-8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
566	0.061	7.6	0	-2806	LU 13	-2806	-8821	-68363	-7074	-8821	1	Si
613	0.061	7.6	0	-3235	LU 13	-3235	-8821	-68363	-7074	-8821	1	Si
660	0.061	7.6	0	-3664	LU 13	-3664	-8821	-68363	-7074	-8821	1	Si
687	0.061	7.6	0	-3912	LU 13	-3912	-8821	-68363	-7074	-8821	1	Si
707	0	7.6	0	-4094	LU 13	-4094	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-134814	2	-107730	2.8	124.5	42.1	1837	-94249	2	-68917	3.1	93.4	0	+∞	Si
28	-83023	2	-83023	2.2	124.5	32.5	1837	-45962	2	-45962	2.1	93.4	0	+∞	Si
47	710	4	40244	1	124.5	15.7	1837	592	1	40229	1.8	93.4	0	+∞	Si
47	-48774	2	-83023	2.2	124.5	32.5	1837	-14218	2	-45962	2.1	93.4	0	+∞	Si
94	62477	1	92517	1.8	124.5	36.2	1837	62477	1	92517	4.1	93.4	0	+∞	Si
141	108791	1	129234	3.4	124.5	50.5	1837	108791	1	129234	5.8	93.4	0	+∞	Si
189	139535	1	150380	3.9	124.5	58.8	1837	139535	1	150380	6.7	93.4	0	+∞	Si
212	149067	1	155114	4	124.5	60.6	1837	149067	1	155114	7	93.4	0	+∞	Si
259	156454	1	156454	4.1	124.5	61.2	1837	156454	1	156454	7	93.4	0	+∞	Si
307	148270	1	154808	4	124.5	60.5	1837	148270	1	154808	6.9	93.4	0	+∞	Si
354	130948	2	141792	3.7	124.5	55.4	1837	126445	2	140993	6.3	93.4	0	+∞	Si
401	100207	2	120648	3.1	124.5	47.2	1837	89695	2	113840	5.1	93.4	0	+∞	Si
448	53894	2	83933	2.2	124.5	32.8	1837	37373	2	71116	3.2	93.4	0	+∞	Si
495	-41651	4	-93292	1.8	124.5	36.5	1837	-40175	1	-91713	4.1	93.4	0	+∞	Si
542	-127857	4	-189096	4.9	124.5	73.9	1837	-126214	1	-187349	8.4	93.4	0	+∞	Si
566	-176799	4	-242837	6.3	124.5	94.9	1837	-175072	1	-241006	10.8	93.4	0	+∞	Si
613	-286362	4	-361997	9.4	124.5	141.5	1837	-284467	1	-359998	16.1	93.4	0	+∞	Si
660	-411496	4	-490883	12.8	124.5	191.9	1837	-409433	1	-488724	21.9	93.4	0	+∞	Si
687	-490883	4	-490883	12.8	124.5	191.9	1837	-488724	1	-488724	21.9	93.4	0	+∞	Si
707	-552201	4	-520967	13.6	124.5	203.6	1837	-549970	1	-518772	23.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
28	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
47	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.007	1	0.007	1	9999	Si
94	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.015	1	0.014	1	9999	Si
141	0.01	0.009	0.008	0.007	0.01	0.009	0.008	0.008	0.01	0.009	0.021	1	0.02	1	9999	Si
189	0.012	0.011	0.01	0.009	0.012	0.011	0.01	0.01	0.012	0.012	0.026	1	0.025	1	9999	Si
212	0.012	0.012	0.01	0.01	0.012	0.012	0.01	0.01	0.012	0.012	0.027	1	0.027	1	9999	Si
259	0.013	0.013	0.011	0.011	0.013	0.013	0.011	0.011	0.013	0.013	0.028	2	0.028	2	9999	Si
307	0.013	0.012	0.011	0.01	0.013	0.012	0.011	0.01	0.013	0.013	0.027	2	0.027	2	9999	Si
354	0.012	0.011	0.01	0.009	0.012	0.011	0.01	0.009	0.011	0.011	0.024	2	0.023	2	9999	Si
401	0.01	0.008	0.008	0.007	0.009	0.009	0.008	0.007	0.009	0.009	0.019	2	0.018	2	9999	Si
448	0.008	0.005	0.006	0.004	0.007	0.006	0.005	0.004	0.006	0.006	0.012	2	0.011	2	9999	Si
495	0.005	0.002	0.003	0.001	0.004	0.002	0.002	0.001	0.003	0.002	0.005	2	0.003	2	9999	Si
542	0.002	-0.001	0.001	-0.002	0.001	-0.001	0	-0.001	0	-0.001	-0.002	2	-0.004	2	9999	Si
566	0	-0.002	0	-0.003	-0.001	-0.002	-0.001	-0.003	-0.001	-0.002	-0.005	2	-0.007	2	9999	Si
613	-0.001	-0.004	-0.002	-0.004	-0.002	-0.003	-0.003	-0.004	-0.003	-0.003	-0.008	2	-0.01	2	9999	Si
660	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.008	2	9999	Si
687	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.004	2	-0.004	2	9999	Si

Campata 2 tra i fili 24 - 13, sezione R 40x70, asta 1126

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-545468	LU 13	-510232	-962923	0.078	Si
20	7.6	5.4	7.6	5.4						-477727	LU 13	-477727	-962923	0.078	Si
45	7.6	5.4	7.6	5.4						-397037	LU 13	-477727	-962923	0.078	Si
68	7.6	5.4	7.6	5.4						-330047	LU 13	-416969	-962923	0.078	Si
91	7.6	5.4	7.6	5.4	-101261	LU 2	15291	962923	0.078	-267874	LU 13	-348619	-962923	0.078	Si
102	7.6	5.4	7.6	5.4	-87063	LU 2	26690	962923	0.078	-238593	LU 13	-316250	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	-61447	LU 2	44228	962923	0.078	-183645	LU 13	-255126	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	-39535	LU 2	54751	962923	0.078	-133513	LU 13	-198817	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	-21329	LU 2	58258	962923	0.078	-88198	LU 13	-147326	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	-6827	LU 2	54751	962923	0.078	-47700	LU 13	-100651	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	4017	LU 3	44228	962923	0.078	-12116	LU 10	-58793	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	19364	LU 17	51228	962923	0.078	11060	LU 2	-21752	-962923	0.078	Si
261	7.6	5.4	7.6	5.4	44976	LU 17	71099	962923	0.078						Si
272	7.6	5.4	7.6	5.4	56112	LU 13	79229	962923	0.078						Si
295	7.6	5.4	7.6	5.4	74935	LU 13	90165	962923	0.078						Si
320	7.6	5.4	7.6	5.4	90165	LU 13	90165	962923	0.078						Si
340	7.6	5.4	7.6	5.4	98130	LU 13	94960	962923	0.078	-2883	LU 2	-2131	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3435	LU 13	3435	8821	68363	0	8821	1	Si
20	0.06	7.6	0	3250	LU 13	3250	8821	68363	7001	8821	1	Si
45	0.06	7.6	0	3016	LU 13	3016	8821	68363	7001	8821	1	Si
68	0.06	7.6	0	2807	LU 13	2807	8821	68363	7001	8821	1	Si
91	0.06	7.6	0	2598	LU 13	2598	8821	68363	7001	8821	1	Si
102	0.06	7.6	0	2493	LU 13	2493	8821	68363	7001	8821	1	Si
125	0.06	7.6	0	2284	LU 13	2284	8821	68363	7001	8821	1	Si
147	0.06	7.6	0	2074	LU 13	2074	8821	68363	7001	8821	1	Si
170	0.06	7.6	0	1865	LU 13	1865	8821	68363	7001	8821	1	Si
193	0.06	7.6	0	1656	LU 13	1656	8821	68363	7001	8821	1	Si
215	0.06	7.6	0	1446	LU 13	1446	8821	68363	7001	8821	1	Si
238	0.06	7.6	0	1237	LU 13	1237	8821	68363	7001	8821	1	Si
261	0.06	7.6	0	1028	LU 13	1028	8821	68363	7001	8821	1	Si
272	0.06	7.6	0	923	LU 13	923	8821	68363	7001	8821	1	Si
272	0.06	7.6	0	-14	LU 2	-14	-8821	-68363	-7001	-8821	1	Si
295	0.06	7.6	0	713	LU 13	713	8821	68363	7001	8821	1	Si
295	0.06	7.6	0	-175	LU 2	-175	-8821	-68363	-7001	-8821	1	Si
320	0.06	7.6	0	479	LU 13	479	8821	68363	7001	8821	1	Si
320	0.06	7.6	0	-355	LU 2	-355	-8821	-68363	-7001	-8821	1	Si
340	0	7.6	0	295	LU 13	295	8821	68363	0	8821	1	Si
340	0	7.6	0	-497	LU 2	-497	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-419124	4	-392042	10.2	124.5	153.2	1837	-416092	1	-389156	17.5	93.4	0	+∞	Si
20	-367060	4	-367060	9.6	124.5	143.5	1837	-364316	1	-364316	16.3	93.4	0	+∞	Si
45	-305047	4	-367060	9.6	124.5	143.5	1837	-302667	1	-364316	16.3	93.4	0	+∞	Si
68	-253566	4	-320365	8.3	124.5	125.2	1837	-251512	1	-317893	14.3	93.4	0	+∞	Si
91	-205791	4	-267838	7	124.5	104.7	1837	-204063	1	-265692	11.9	93.4	0	+∞	Si
102	-183292	4	-242964	6.3	124.5	95	1837	-181727	1	-240981	10.8	93.4	0	+∞	Si
125	-141075	4	-195995	5.1	124.5	76.6	1837	-139835	1	-194338	8.7	93.4	0	+∞	Si
147	-102562	4	-152732	4	124.5	59.7	1837	-101649	1	-151400	6.8	93.4	0	+∞	Si
170	-67755	4	-113173	2.9	124.5	44.2	1837	-67167	1	-112168	5	93.4	0	+∞	Si
193	-36652	4	-77320	2	124.5	30.2	1837	-36391	1	-76640	3.4	93.4	0	+∞	Si
215	-9320	1	-45171	1.2	124.5	17.7	1837	-9320	1	-44818	2	93.4	0	+∞	Si
238	14782	8	39282	1	124.5	15.4	1837	14046	1	38473	1.7	93.4	0	+∞	Si
261	34478	8	54517	1.4	124.5	21.3	1837	33707	1	53383	1.8	93.4	0	+∞	Si
272	43028	4	60746	1.6	124.5	23.7	1837	42148	1	59448	2.7	93.4	0	+∞	Si
295	57457	4	69116	1.8	124.5	27	1837	56251	1	67546	3	93.4	0	+∞	Si
320	69116	4	69116	1.8	124.5	27	1837	67546	1	67546	3	93.4	0	+∞	Si
340	75199	4	72783	1.9	124.5	28.4	1837	73342	1	71071	3.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.004	2	-0.004	2	9999	Si
45	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
68	-0.002	-0.004	-0.002	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.008	2	-0.009	2	9999	Si
91	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.009	2	-0.01	2	9999	Si
102	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.009	2	-0.011	2	9999	Si
113	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.01	2	-0.011	2	9999	Si
125	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.009	2	-0.01	2	9999	Si
147	-0.002	-0.004	-0.002	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.009	2	-0.01	2	9999	Si
170	-0.002	-0.004	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	2	-0.009	2	9999	Si
193	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.007	2	-0.008	2	9999	Si
215	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	2	-0.006	2	9999	Si
238	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si
261	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
272	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
295	0	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.002	2	-0.002	2	9999	Si
320	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si

Trave a "Piano 2" 50-54

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 50 - ?, sezione R 40x70, asta 1195

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	35771	LU 8	35771	1865107	0.093	-89957	LU 11	-32359	-1414287	0.085	Si
20	11.4	5.4	15.21	5.4	123174	LU 17	239218	1865107	0.093						Si
23	11.4	5.4	15.21	5.4	137366	LU 17	249115	1865107	0.093						Si
46	11.23	5.4	15.21	5.4	229091	LU 17	314131	1865104	0.093						Si
69	10.14	5.4	15.21	5.4	299683	LU 17	358013	1865229	0.093						Si
92	7.6	5.4	15.21	5.4	349143	LU 17	380763	1865528	0.096						Si
103	7.6	5.4	15.21	5.4	365948	LU 17	384213	1865528	0.096						Si
126	7.6	5.4	15.21	5.4	383709	LU 17	384665	1865528	0.096						Si
149	7.6	5.4	12.11	5.4	380337	LU 17	384665	1498865	0.088						Si
161	7.6	5.4	7.6	5.4	370727	LU 17	384665	962923	0.078						Si
172	7.6	5.4	7.6	5.4	355833	LU 17	382621	962923	0.078						Si
195	7.6	5.4	7.6	5.4	310196	LU 17	363694	962923	0.078						Si
218	7.6	5.4	7.6	5.4	246820	LU 15	323634	962923	0.078						Si
241	7.6	5.4	7.6	5.4	168196	LU 10	264774	962923	0.078	106700	LU 5	-3981	-962923	0.078	Si
264	11.6	5.4	7.6	5.4	75777	LU 10	188656	963394	0.08	22174	LU 9	-127760	-1438202	0.087	Si
276	12.69	5.4	7.6	5.4	22120	LU 10	147549	963478	0.08	-27379	LU 9	-203050	-1566889	0.089	Si
299	14.86	5.4	7.6	5.4	-76990	LU 1	50442	963613	0.08	-161993	LU 18	-345893	-1824061	0.095	Si
322	15.21	5.4	7.6	5.4						-322845	LU 18	-345893	-1865528	0.096	Si
325	15.21	5.4	7.6	5.4						-345893	LU 18	-345893	-1865528	0.096	Si
345	15.21	5.4	7.6	5.4						-504559	LU 18	-421621	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.14	0	5925	LU 16	5925	9711	68363	0	9711	1	Si
20	0.101	15.21	0	4827	LU 11	4827	11113	68363	11671	11671	1	Si
23	0.101	15.21	0	4679	LU 11	4679	11113	68363	11671	11671	1	Si
46	0.101	15.21	0	3816	LU 11	3816	11113	68363	11671	11671	1	Si
69	0.101	13.66	0	2952	LU 11	2952	10724	68363	11671	11671	1	Si
92	0.104	7.6	0	2089	LU 11	2089	8821	68363	12025	12025	1	Si
103	0.104	7.6	0	1657	LU 11	1657	8821	68363	12025	12025	1	Si
126	0.104	7.6	0	794	LU 11	794	8821	68363	12025	12025	1	Si
149	0.104	7.6	0	-606	LU 17	-606	-8821	-68363	-12025	-12025	1	Si
172	0.104	7.6	0	-1525	LU 17	-1525	-8821	-68363	-12025	-12025	1	Si
195	0.104	7.6	0	-2444	LU 17	-2444	-8821	-68363	-12025	-12025	1	Si
218	0.104	7.6	0	-3362	LU 17	-3362	-8821	-68363	-12025	-12025	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
241	0.104	7.6	0	-4281	LU 17	-4281	-8821	-68363	-12025	-12025	1	Si
264	0.129	7.6	0	-5200	LU 17	-5200	-8821	-68363	-15005	-15005	1	Si
276	0.129	7.6	0	-5659	LU 17	-5659	-8821	-68363	-15005	-15005	1	Si
299	0.129	7.6	0	-6578	LU 17	-6578	-8821	-68363	-15005	-15005	1	Si
322	0.129	7.6	0	-7497	LU 17	-7497	-8821	-68363	-15005	-15005	1	Si
325	0.129	11.6	0	-7617	LU 17	-7617	-10155	-68363	-15005	-15005	1	Si
345	0	12.69	0	-8326	LU 17	-8326	-10462	-68363	0	-10462	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	7558	8	7558	0.2	124.5	8.5	1837								Si
0	-66487	2	-22246	0.8	124.5	33	1837	-54154	2	-10207	0.4	93.4	0	+∞	Si
20	86329	8	176178	5.8	124.5	198.7	1837	31596	1	125243	4.1	93.4	0	+∞	Si
23	97292	8	183864	6.1	124.5	207.4	1837	42860	1	133405	4.4	93.4	0	+∞	Si
46	168313	8	234504	7.8	124.5	264.6	1837	116891	1	188128	6.2	93.4	0	+∞	Si
69	223208	8	269019	9.1	124.5	303.9	1837	175646	1	227575	7.7	93.4	0	+∞	Si
92	261979	8	287408	10.1	124.5	325.7	1837	219124	1	251746	8.8	93.4	0	+∞	Si
103	275317	8	290556	10.2	124.5	329.3	1837	235135	1	258103	9	93.4	0	+∞	Si
126	289899	8	291144	10.2	124.5	330	1837	255700	1	260988	9.1	93.4	0	+∞	Si
149	288357	8	291144	11	124.5	410.4	1837	260988	1	260988	9.9	93.4	0	+∞	Si
172	270689	8	289828	7.6	124.5	113.3	1837	251000	1	260988	11.7	93.4	0	+∞	Si
195	236895	8	276415	7.2	124.5	108	1837	225737	1	254644	11.4	93.4	0	+∞	Si
218	189240	6	246878	6.4	124.5	96.5	1837	185197	1	233412	10.5	93.4	0	+∞	Si
241	129382	1	202770	5.3	124.5	79.3	1837	129382	1	196904	8.8	93.4	0	+∞	Si
264	58290	1	145120	3.6	124.5	55.5	1837	58290	1	145120	6.1	93.4	0	+∞	Si
276	17016	1	113499	2.8	124.5	43.2	1837	17016	1	113499	4.7	93.4	0	+∞	Si
276	-12581	9	-149343	5.6	124.5	201.4	1837								Si
299	-118261	9	-257531	9.1	124.5	298.5	1837	-78506	2	-203208	7.2	93.4	0	+∞	Si
322	-240066	9	-257531	9	124.5	291.9	1837	-187498	2	-203208	7.1	93.4	0	+∞	Si
325	-257531	9	-257531	9	124.5	291.9	1837	-203208	2	-203208	7.1	93.4	0	+∞	Si
345	-377787	9	-314910	11	124.5	356.9	1837	-311546	2	-254784	8.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	1	0.003	1	9999	Si
23	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
46	0.005	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	1	0.008	1	9999	Si
69	0.007	0.006	0.005	0.004	0.006	0.006	0.005	0.005	0.006	0.006	0.012	1	0.011	1	9999	Si
92	0.008	0.007	0.007	0.005	0.008	0.007	0.006	0.006	0.007	0.007	0.015	1	0.014	1	9999	Si
103	0.009	0.008	0.007	0.006	0.008	0.008	0.006	0.006	0.008	0.008	0.016	1	0.016	1	9999	Si
126	0.01	0.008	0.008	0.007	0.009	0.009	0.007	0.007	0.009	0.009	0.018	1	0.017	1	9999	Si
149	0.01	0.009	0.008	0.007	0.009	0.009	0.007	0.007	0.009	0.009	0.019	1	0.018	1	9999	Si
161	0.01	0.009	0.008	0.007	0.009	0.009	0.007	0.007	0.009	0.009	0.019	1	0.018	1	9999	Si
172	0.01	0.009	0.008	0.007	0.009	0.009	0.007	0.007	0.009	0.009	0.019	1	0.018	1	9999	Si
195	0.009	0.008	0.007	0.007	0.009	0.009	0.007	0.007	0.009	0.009	0.018	1	0.017	1	9999	Si
218	0.008	0.008	0.007	0.006	0.008	0.008	0.006	0.006	0.008	0.008	0.016	1	0.015	1	9999	Si
241	0.007	0.006	0.005	0.005	0.007	0.007	0.005	0.005	0.007	0.007	0.013	1	0.013	1	9999	Si
264	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	1	0.01	1	9999	Si
276	0.005	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	1	0.008	1	9999	Si
299	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	1	0.005	1	9999	Si
322	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
325	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si

Campata 2 tra i fili ? - ?, sezione R 40x70, asta 1196

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-827554	LU 18	-747640	-1865528	0.096	Si
11	15.21	5.4	7.6	5.4						-741055	LU 18	-724942	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-672605	LU 18	-672605	-1865528	0.096	Si
33	15.21	5.4	7.6	5.4						-577070	LU 18	-672605	-1865528	0.096	Si
44	15.21	5.4	7.6	5.4						-499582	LU 18	-672605	-1865528	0.096	Si
50	15.21	5.4	7.6	5.4						-461964	LU 18	-669370	-1865528	0.096	Si
61	14.34	5.4	7.6	5.4						-388981	LU 18	-588451	-1763305	0.094	Si
72	13.31	5.4	7.6	5.4						-319000	LU 18	-510534	-1640291	0.091	Si
83	12.27	5.4	7.6	5.4						-252022	LU 18	-435621	-1517244	0.088	Si
94	11.23	5.4	7.6	5.4						-188044	LU 18	-363711	-1394144	0.086	Si
105	7.6	5.4	7.6	5.4	-87332	LU 1	26421	962923	0.078	-130094	LU 12	-294803	-962923	0.078	Si
116	7.6	5.4	7.6	5.4	-45026	LU 8	75413	962923	0.078	-79308	LU 11	-228896	-962923	0.078	Si
127	7.6	5.4	7.6	5.4	-1214	LU 8	98493	962923	0.078	-34000	LU 11	-165991	-962923	0.078	Si
132	7.6	5.4	7.6	5.4	19801	LU 8	98493	962923	0.078	-12363	LU 11	-137651	-962923	0.078	Si
143	7.6	5.4	7.6	5.4	68680	LU 17	98493	962923	0.078	20252	LU 2	-86353	-962923	0.078	Si
150	7.6	5.4	7.6	5.4	98493	LU 17	98493	962923	0.078	39526	LU 2	-56608	-962923	0.078	Si
154	7.6	5.4	7.6	5.4	115101	LU 17	112994	962923	0.078						Si
165	7.6	5.4	7.6	5.4	158523	LU 17	129865	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.82	0	8000	LU 18	8000	10766	68363	0	10766	1	Si
11	0	12.79	0	7727	LU 18	7727	10490	68363	0	10490	1	Si
20	0.116	12.27	0	7504	LU 18	7504	10346	68363	13466	13466	1	Si
33	0.116	10.71	0	7181	LU 18	7181	9889	68363	13466	13466	1	Si
44	0.116	7.6	0	6908	LU 18	6908	8821	68363	13466	13466	1	Si
50	0.116	7.6	0	6771	LU 18	6771	8821	68363	13466	13466	1	Si
61	0.116	7.6	0	6498	LU 18	6498	8821	68363	13466	13466	1	Si
72	0.116	7.6	0	6225	LU 18	6225	8821	68363	13466	13466	1	Si
83	0.116	7.6	0	5953	LU 18	5953	8821	68363	13466	13466	1	Si
94	0.116	7.6	0	5680	LU 18	5680	8821	68363	13466	13466	1	Si
105	0.116	7.6	0	5407	LU 18	5407	8821	68363	13466	13466	1	Si
116	0.116	7.6	0	5134	LU 18	5134	8821	68363	13466	13466	1	Si
127	0.116	7.6	0	4861	LU 18	4861	8821	68363	13466	13466	1	Si
132	0.116	7.6	0	4725	LU 18	4725	8821	68363	13466	13466	1	Si
143	0.116	7.6	0	4452	LU 18	4452	8821	68363	13466	13466	1	Si
150	0.116	7.6	0	4279	LU 18	4279	8821	68363	13466	13466	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
154	0	7.6	0	4180	LU 18	4180	8821	68363	0	8821	1	Si
165	0	7.6	0	3907	LU 18	3907	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-622534	9	-562400	19.7	124.5	637.4	1837	-536860	2	-485155	17	93.4	0	+∞	Si
11	-557455	9	-545330	19.1	124.5	618.1	1837	-480962	2	-470539	16.5	93.4	0	+∞	Si
20	-505971	9	-505971	17.7	124.5	573.5	1837	-436840	2	-436840	15.3	93.4	0	+∞	Si
33	-434141	9	-505971	17.7	124.5	573.5	1837	-375429	2	-436840	15.3	93.4	0	+∞	Si
44	-375905	9	-505971	17.7	124.5	573.5	1837	-325793	2	-436840	15.3	93.4	0	+∞	Si
50	-347642	9	-503539	17.6	124.5	570.7	1837	-301758	2	-434757	15.2	93.4	0	+∞	Si
61	-292826	9	-442697	15.8	124.5	530.6	1837	-255253	2	-382737	13.7	93.4	0	+∞	Si
72	-240290	9	-384135	14.1	124.5	494.8	1837	-210834	2	-332803	12.2	93.4	0	+∞	Si
83	-190033	9	-327854	12.3	124.5	456.5	1837	-168500	2	-284957	10.7	93.4	0	+∞	Si
94	-142055	9	-273852	10.6	124.5	415.2	1837	-128253	2	-239197	9.3	93.4	0	+∞	Si
105	-98374	3	-222131	5.8	124.5	86.8	1837	-90091	2	-195523	8.8	93.4	0	+∞	Si
116	-59746	2	-172688	4.5	124.5	67.5	1837	-54013	2	-153935	6.9	93.4	0	+∞	Si
127	-25049	2	-125525	3.3	124.5	49.1	1837	-20021	2	-114432	5.1	93.4	0	+∞	Si
132	12600	8	71939	1.9	124.5	28.1	1837								Si
132	-8482	2	-104122	2.7	124.5	40.7	1837	-3806	2	-95463	4.3	93.4	0	+∞	Si
143	49622	8	71939	1.9	124.5	28.1	1837	28763	1	47076	2.1	93.4	0	+∞	Si
150	71939	8	71939	1.9	124.5	28.1	1837	47076	1	47076	2.1	93.4	0	+∞	Si
154	84366	8	82791	2.2	124.5	31.8	1837	57244	1	55963	2.5	93.4	0	+∞	Si
165	116834	8	95417	2.5	124.5	37.3	1837	83641	1	66301	3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
11	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
33	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
44	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
50	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
55	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
61	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
72	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
83	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
94	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
105	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
116	-0.001	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
127	0	-0.001	0	-0.001	0	-0.001	0	0	0	-0.001	-0.001	1	-0.001	1	9999	Si
132	0	-0.001	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
143	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
150	0	0	0.001	0	0	0	0	0	0	0	0.001	1	0	1	9999	Si
154	0.001	0	0.001	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
165	0.001	0	0.001	0	0	0	0.001	0	0	0	0.001	1	0.001	1	9999	Si

Campata 3 tra i fili ? - 52A, sezione R 40x70, asta 1197

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	157299	LU 17	157299	962923	0.078						Si
6	7.6	5.4	7.6	5.4	203319	LU 17	203319	962923	0.078						Si
12	7.6	5.4	7.6	5.4	248447	LU 17	248447	962923	0.078						Si
15	7.6	5.4	7.6	5.4	270701	LU 17	476348	962923	0.078						Si
18	7.6	5.4	7.6	5.4	292684	LU 17	496564	962923	0.078						Si
24	7.6	5.4	7.6	5.4	336029	LU 17	536370	962923	0.078						Si
27	7.6	5.4	7.6	5.4	357368	LU 17	555939	962923	0.078						Si
33	7.6	5.4	9.36	5.4	399701	LU 18	594409	1171851	0.082						Si
39	7.6	5.4	9.76	5.4	441599	LU 18	631989	1219847	0.083						Si
45	7.6	5.4	10.17	5.4	482604	LU 18	668677	1267824	0.084						Si
51	7.6	5.4	10.57	5.4	522719	LU 18	674250	1315815	0.085						Si
57	7.6	5.4	10.98	5.4	561943	LU 18	674250	1363782	0.085						Si
63	7.6	5.4	11.38	5.4	600276	LU 18	674250	1411752	0.086						Si
69	7.6	5.4	11.4	5.4	637718	LU 18	674250	1414576	0.086						Si
72	7.6	5.4	11.4	5.4	656105	LU 18	674250	1414576	0.086						Si
75	7.6	5.4	11.4	5.4	674250	LU 18	674250	1414576	0.086						Si
78	7.6	5.4	11.4	5.4	692211	LU 18	690514	1414576	0.086						Si
84	7.6	5.4	11.4	5.4	727427	LU 18	712173	1414576	0.086						Si
90	7.6	5.4	11.4	5.4	761751	LU 18	719393	1414576	0.086						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	7876	LU 18	7876	8821	68363	0	8821	1	Si
6	0	7.6	0	7727	LU 18	7727	8821	68363	0	8821	1	Si
12	0	7.6	0	7579	LU 18	7579	8821	68363	0	8821	1	Si
15	0.117	7.6	0	7504	LU 18	7504	8821	68363	13621	13621	1	Si
18	0.117	7.6	0	7430	LU 18	7430	8821	68363	13621	13621	1	Si
24	0.117	7.6	0	7281	LU 18	7281	8821	68363	13621	13621	1	Si
27	0.117	7.6	0	7207	LU 18	7207	8821	68363	13621	13621	1	Si
33	0.117	7.6	0	7059	LU 18	7059	8821	68363	13621	13621	1	Si
39	0.117	7.6	0	6910	LU 18	6910	8821	68363	13621	13621	1	Si
45	0.117	7.6	0	6762	LU 18	6762	8821	68363	13621	13621	1	Si
51	0.117	7.6	0	6613	LU 18	6613	8821	68363	13621	13621	1	Si
57	0.117	7.6	0	6464	LU 18	6464	8821	68363	13621	13621	1	Si
63	0.117	7.6	0	6316	LU 18	6316	8821	68363	13621	13621	1	Si
69	0.117	7.6	0	6167	LU 18	6167	8821	68363	13621	13621	1	Si
72	0.117	7.6	0	6093	LU 18	6093	8821	68363	13621	13621	1	Si
75	0.117	7.6	0	6019	LU 18	6019	8821	68363	13621	13621	1	Si
78	0	7.6	0	5945	LU 18	5945	8821	68363	0	8821	1	Si
84	0	7.6	0	5796	LU 18	5796	8821	68363	0	8821	1	Si
90	0	7.6	0	5648	LU 18	5648	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara	Quasi permanente	Verifica

	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	115901	8	115901	3	124.5	45.3	1837	82768	1	82768	3.7	93.4	0	+∞	Si
6	150563	8	150563	3.9	124.5	58.9	1837	112632	1	112632	5.1	93.4	0	+∞	Si
12	184548	8	184548	4.8	124.5	72.1	1837	141876	1	141876	6.4	93.4	0	+∞	Si
15	201305	8	355927	9.3	124.5	139.1	1837	156282	1	288216	12.9	93.4	0	+∞	Si
18	217856	8	371100	9.7	124.5	145.1	1837	170502	1	301048	13.5	93.4	0	+∞	Si
24	250487	8	400972	10.4	124.5	156.7	1837	198507	1	326276	14.6	93.4	0	+∞	Si
27	266549	8	415654	10.8	124.5	162.5	1837	212278	1	338658	15.2	93.4	0	+∞	Si
33	298382	9	444511	18.4	124.5	803.4	1837	239448	2	362958	15.1	93.4	0	+∞	Si
39	329841	9	472692	19.3	124.5	820.2	1837	266129	2	386639	15.8	93.4	0	+∞	Si
45	360623	9	500196	20.1	124.5	834.6	1837	292190	2	409700	16.5	93.4	0	+∞	Si
51	390729	9	504373	20	124.5	810.6	1837	317633	2	413200	16.4	93.4	0	+∞	Si
57	420158	9	504373	19.8	124.5	781.8	1837	342456	2	413200	16.2	93.4	0	+∞	Si
63	448911	9	504373	19.5	124.5	755.1	1837	366660	2	413200	16	93.4	0	+∞	Si
69	476988	9	504373	19.5	124.5	753.5	1837	390246	2	413200	16	93.4	0	+∞	Si
72	490772	9	504373	19.5	124.5	753.5	1837	401806	2	413200	16	93.4	0	+∞	Si
75	504373	9	504373	19.5	124.5	753.5	1837	413200	2	413200	16	93.4	0	+∞	Si
78	517834	9	516563	20	124.5	771.7	1837	424463	2	423406	16.4	93.4	0	+∞	Si
84	544220	9	532797	20.6	124.5	796	1837	446502	2	436997	16.9	93.4	0	+∞	Si
90	569929	9	538208	20.8	124.5	804.1	1837	467921	2	441527	17.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.001	0	0.001	0	0	0	0.001	0	0	0	0.001	1	0.001	1	9999	Si
6	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
12	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
15	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
18	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
24	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.002	1	9999	Si
27	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
33	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
39	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
42	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
45	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
51	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
57	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
63	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
69	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
72	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
75	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
78	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	1	0.001	1	9999	Si
84	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si

Campata 4 tra i fili 52A - 53, sezione R 40x70, asta 1198

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	782586	LU 18	776241	1414576	0.086						Si
14	7.6	5.4	11.4	5.4	768238	LU 18	768154	1414576	0.086						Si
15	7.6	5.4	11.4	5.4	767176	LU 18	767176	1414576	0.086						Si
28	7.6	5.4	11.4	5.4	748923	LU 18	767176	1414576	0.086						Si
43	7.6	5.4	11.4	5.4	724643	LU 18	767176	1414576	0.086						Si
57	7.6	5.4	11.4	5.4	695398	LU 18	749988	1414576	0.086						Si
64	7.6	5.4	11.4	5.4	678914	LU 18	738597	1414576	0.086						Si
78	7.6	5.4	11.4	5.4	642224	LU 18	712092	1414576	0.086						Si
92	7.6	5.4	11.4	5.4	600573	LU 18	680622	1414576	0.086						Si
106	7.6	5.4	11.4	5.4	553960	LU 18	644190	1414576	0.086						Si
120	7.6	5.4	11.4	5.4	502387	LU 18	602795	1414576	0.086						Si
135	7.6	5.4	11.4	5.4	451061	LU 12	556439	1414576	0.086						Si
149	11.08	5.4	11.4	5.4	406046	LU 11	505124	1414407	0.086						Si
163	11.82	5.4	11.4	5.4	359029	LU 11	453339	1414365	0.085						Si
170	13.08	5.4	11.4	5.4	333841	LU 11	430347	1414342	0.085						Si
184	14.42	5.4	11.4	5.4	280109	LU 11	385475	1414311	0.085						Si
193	15.21	5.4	11.4	5.4	246322	LU 11	357187	1414287	0.085						Si
198	15.21	5.4	11.4	5.4	221901	LU 11	221901	1414287	0.085						Si
213	15.21	5.4	11.4	5.4	159217	LU 11	159217	1414287	0.085	-31436	LU 8	-20530	-1865107	0.093	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	209	LU 2	209	10097	68363	0	10097	1	Si
0	0	11.4	0	-1095	LU 17	-1095	-10097	-68363	0	-10097	1	Si
14	0	11.4	0	-1445	LU 17	-1445	-10097	-68363	0	-10097	1	Si
15	0.096	11.4	0	-1466	LU 17	-1466	-10097	-68363	-11177	-11177	1	Si
28	0.096	11.4	0	-1796	LU 17	-1796	-10097	-68363	-11177	-11177	1	Si
43	0.096	11.4	0	-2146	LU 17	-2146	-10097	-68363	-11177	-11177	1	Si
57	0.096	11.4	0	-2497	LU 17	-2497	-10097	-68363	-11177	-11177	1	Si
64	0.096	11.4	0	-2672	LU 17	-2672	-10097	-68363	-11177	-11177	1	Si
78	0.096	11.4	0	-3022	LU 17	-3022	-10097	-68363	-11177	-11177	1	Si
92	0.096	11.4	0	-3372	LU 17	-3372	-10097	-68363	-11177	-11177	1	Si
106	0.096	11.4	0	-3722	LU 17	-3722	-10097	-68363	-11177	-11177	1	Si
120	0.096	11.4	0	-4072	LU 17	-4072	-10097	-68363	-11177	-11177	1	Si
135	0.096	11.4	0	-4422	LU 17	-4422	-10097	-68363	-11177	-11177	1	Si
149	0.096	11.4	0	-4772	LU 17	-4772	-10097	-68363	-11177	-11177	1	Si
163	0.096	11.4	0	-5122	LU 17	-5122	-10097	-68363	-11177	-11177	1	Si
170	0.096	11.4	0	-5297	LU 17	-5297	-10097	-68363	-11177	-11177	1	Si
184	0.096	11.4	0	-5647	LU 17	-5647	-10097	-68363	-11177	-11177	1	Si
193	0.096	11.4	0	-5853	LU 17	-5853	-10097	-68363	-11177	-11177	1	Si
198	0	11.4	0	-5996	LU 17	-5996	-10097	-68363	0	-10097	1	Si
213	0	11.08	0	-6346	LU 17	-6346	-10001	-68363	0	-10001	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	585303	9	580909	21.8	124.5	867.9	1837	478708	2	478025	18.5	93.4	0	+∞	Si
14	575208	9	575146	22.2	124.5	859.3	1837	475777	2	475730	18.4	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
15	574449	9	574449	22.2	124.5	858.2	1837	475452	2	475452	18.4	93.4	0	+∞	Si
28	561342	9	574449	22.2	124.5	858.2	1837	469394	2	475452	18.4	93.4	0	+∞	Si
43	543705	9	574449	22.2	124.5	858.2	1837	459562	2	475452	18.4	93.4	0	+∞	Si
57	522299	9	562109	21.7	124.5	839.8	1837	446280	2	469770	18.1	93.4	0	+∞	Si
64	510182	9	553860	21.4	124.5	827.5	1837	438346	2	465374	18	93.4	0	+∞	Si
78	483123	9	534533	20.7	124.5	798.6	1837	419891	2	453995	17.5	93.4	0	+∞	Si
92	452296	9	511438	19.8	124.5	764.1	1837	397988	2	439168	17	93.4	0	+∞	Si
106	417702	9	484574	18.7	124.5	724	1837	372639	2	420892	16.3	93.4	0	+∞	Si
120	379342	9	453942	17.5	124.5	678.2	1837	343843	2	399168	15.4	93.4	0	+∞	Si
135	340686	3	419543	16.2	124.5	626.8	1837	311601	2	373997	14.4	93.4	0	+∞	Si
149	305779	2	381378	14	124.5	567.9	1837	275914	2	345379	12.7	93.4	0	+∞	Si
163	269078	2	342441	12.3	124.5	509.3	1837	236782	2	313316	11.3	93.4	0	+∞	Si
170	249436	2	324734	11.6	124.5	482.7	1837	215925	2	295992	10.5	93.4	0	+∞	Si
184	207569	2	289716	10.1	124.5	430.3	1837	171628	2	258761	9	93.4	0	+∞	Si
193	181265	2	267642	9.3	124.5	397.3	1837	143893	2	235257	8.1	93.4	0	+∞	Si
198	162259	2	162259	5.6	124.5	240.8	1837	123888	2	123888	4.3	93.4	0	+∞	Si
213	113507	2	113507	3.9	124.5	168.5	1837	72706	2	72706	2.5	93.4	0	+∞	Si
213	-2551	8	-2551	0.1	124.5	2.9	1837								Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
14	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
15	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
28	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
43	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.01	2	9999	Si
57	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.012	2	0.011	2	9999	Si
64	0.006	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.012	2	0.012	2	9999	Si
78	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.013	2	9999	Si
92	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.014	2	9999	Si
99	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.014	2	9999	Si
106	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
120	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.013	2	9999	Si
135	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.012	2	0.012	2	9999	Si
149	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
163	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
170	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.007	2	9999	Si
184	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
193	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
198	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si

Campata 5 tra i fili 53 - 54, sezione R 40x70, asta 1199

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	99266	LU 11	99266	1414287	0.085	-60919	LU 8	-29355	-1865107	0.093	Si
20	15.21	5.4	11.4	5.4	150456	LU 11	208874	1414287	0.085	-1697	LU 8	-1697	-1865107	0.093	Si
40	13.32	5.4	10.84	5.4	192733	LU 11	238200	1347594	0.085	49716	LU 8	-1697	-1641645	0.089	Si
60	11.43	5.4	9.49	5.4	226098	LU 11	258617	1187870	0.083						Si
70	7.6	5.4	7.6	5.4	239440	LU 11	265487	962923	0.078						Si
90	7.6	5.4	7.6	5.4	259444	LU 11	272548	962923	0.078						Si
100	7.6	5.4	7.6	5.4	266106	LU 11	272753	962923	0.078						Si
110	7.6	5.4	7.6	5.4	270543	LU 11	272753	962923	0.078						Si
130	7.6	5.4	7.6	5.4	272739	LU 11	272753	962923	0.078						Si
150	7.6	5.4	7.6	5.4	267950	LU 16	272752	962923	0.078						Si
170	7.6	5.4	7.6	5.4	259791	LU 18	270084	962923	0.078						Si
190	7.6	5.4	13.26	5.4	243661	LU 18	264256	1634713	0.091						Si
210	9.51	5.4	15.21	5.4	217686	LU 18	252092	1865305	0.094						Si
220	9.98	5.4	14.67	5.4	201246	LU 17	242567	1802124	0.092						Si
240	10.92	5.4	15.21	5.4	165562	LU 17	216135	1865111	0.093						Si
260	11.4	5.4	13.52	5.4	120039	LU 17	182860	1665549	0.089						Si
273	11.4	5.4	15.21	5.4	86361	LU 17	158176	1865107	0.093						Si
280	11.4	5.4	15.21	5.4	64679	LU 17	64679	1865107	0.093	-709	LU 2	-709	-1414287	0.085	Si
300	11.4	5.4	15.21	5.4	8450	LU 8	8450	1865107	0.093	-67628	LU 11	-23415	-1414287	0.085	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.43	0	3882	LU 17	3882	10106	68363	0	10106	1	Si
10	0	7.6	0	3635	LU 17	3635	8821	68363	0	8821	1	Si
20	0.101	7.6	0	3388	LU 17	3388	8821	68363	11671	11671	1	Si
40	0.101	7.6	0	2895	LU 17	2895	8821	68363	11671	11671	1	Si
60	0.101	7.6	0	2402	LU 17	2402	8821	68363	11671	11671	1	Si
70	0.101	7.6	0	2155	LU 17	2155	8821	68363	11671	11671	1	Si
90	0.101	7.6	0	1663	LU 17	1663	8821	68363	11671	11671	1	Si
110	0.089	7.6	0	1170	LU 17	1170	8821	68363	10374	10374	1	Si
130	0.089	7.6	0	677	LU 17	677	8821	68363	10374	10374	1	Si
130	0.089	7.6	0	-170	LU 2	-170	-8821	-68363	-10374	-10374	1	Si
150	0.089	7.6	0	230	LU 8	230	8821	68363	10374	10374	1	Si
150	0.089	7.6	0	-558	LU 11	-558	-8821	-68363	-10374	-10374	1	Si
170	0.089	7.6	0	-1003	LU 11	-1003	-8821	-68363	-10374	-10374	1	Si
190	0.089	7.6	0	-1447	LU 11	-1447	-8821	-68363	-10374	-10374	1	Si
210	0.101	7.6	0	-1892	LU 11	-1892	-8821	-68363	-11671	-11671	1	Si
220	0.101	7.6	0	-2114	LU 11	-2114	-8821	-68363	-11671	-11671	1	Si
240	0.101	11.91	0	-2558	LU 11	-2558	-10245	-68363	-11671	-11671	1	Si
260	0.101	14.61	0	-3003	LU 11	-3003	-10965	-68363	-11671	-11671	1	Si
273	0.101	15.21	0	-3280	LU 11	-3280	-11113	-68363	-11671	-11671	1	Si
280	0	14.67	0	-3447	LU 11	-3447	-10982	-68363	0	-10982	1	Si
300	0	10.92	0	-3846	LU 11	-3846	-9953	-68363	0	-9953	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	68250	2	68250	1.8	124.5	101.3	1837	31357	2	31357	1.1	93.4	0	+∞	Si
0	-35431	8	-12130	0.4	124.5	13.7	1837								Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
20	108367	2	154380	5.3	124.5	229.1	1837	74842	2	125751	4.4	93.4	0	+∞	Si
40	141628	2	177679	6.4	124.5	277.4	1837	111471	2	152418	5.5	93.4	0	+∞	Si
60	168034	2	194125	7.6	124.5	345.1	1837	141246	2	172232	6.7	93.4	0	+∞	Si
70	178667	2	199779	5.2	124.5	78.1	1837	153563	2	179571	8.1	93.4	0	+∞	Si
90	194795	2	205951	5.4	124.5	80.5	1837	173059	2	189111	8.5	93.4	0	+∞	Si
110	204073	2	206502	5.4	124.5	80.7	1837	185705	2	191804	8.6	93.4	0	+∞	Si
130	206502	2	206502	5.4	124.5	80.7	1837	191503	2	191835	8.6	93.4	0	+∞	Si
150	203362	7	206502	5.4	124.5	80.7	1837	190455	2	191835	8.6	93.4	0	+∞	Si
170	197063	9	204865	5.3	124.5	80.1	1837	182562	2	191706	8.6	93.4	0	+∞	Si
190	184538	9	200534	7.3	124.5	259.2	1837	167826	2	186917	6.8	93.4	0	+∞	Si
210	164537	9	191066	6.5	124.5	216	1837	146249	2	175284	6	93.4	0	+∞	Si
220	151892	8	183694	6.3	124.5	214.8	1837	132964	1	166902	5.7	93.4	0	+∞	Si
240	124051	8	163346	5.4	124.5	184.3	1837	102573	1	145007	4.8	93.4	0	+∞	Si
260	88738	8	137524	4.7	124.5	173.7	1837	65346	1	117130	4	93.4	0	+∞	Si
273	62700	8	118315	3.9	124.5	133.5	1837	38448	1	96482	3.2	93.4	0	+∞	Si
280	45957	8	45957	1.5	124.5	51.8	1837	21284	1	21284	0.7	93.4	0	+∞	Si
300	-49026	2	-17849	0.6	124.5	26.5	1837	-35394	2	-7568	0.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
40	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.005	2	9999	Si
60	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
70	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
90	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
110	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.012	2	0.011	2	9999	Si
130	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.012	2	0.012	2	9999	Si
140	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
150	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
170	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.012	2	0.012	2	9999	Si
190	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
210	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.01	2	9999	Si
220	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si
240	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
260	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
273	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
280	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Trave a "Piano 2" 55-57

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 55 - 56, sezione R 40x70, asta 1200

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	419824	LU 18	419824	1865107	0.093						Si
20	11.4	5.4	15.21	5.4	420528	LU 18	420528	1865107	0.093						Si
23	11.4	5.4	15.21	5.4	419897	LU 18	420528	1865107	0.093						Si
46	11.23	5.4	15.21	5.4	400312	LU 18	420528	1865104	0.093						Si
69	10.14	5.4	15.21	5.4	361069	LU 18	406778	1865229	0.093						Si
80	9.6	5.4	15.21	5.4	334076	LU 18	392207	1865289	0.094						Si
103	7.6	5.4	15.21	5.4	265346	LU 18	348323	1865528	0.096						Si
126	7.6	5.4	13.66	5.4	182904	LU 12	284781	1682622	0.092						Si
149	7.6	5.4	7.6	5.4	86175	LU 11	230576	962923	0.078	33798	LU 8	-111566	-962923	0.078	Si
172	7.6	5.4	7.6	5.4	-14146	LU 2	245320	962923	0.078	-75546	LU 17	-258154	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	-116293	LU 2	230576	962923	0.078	-216946	LU 17	-424400	-962923	0.078	Si
218	7.6	5.4	7.6	5.4	-232665	LU 2	186345	962923	0.078	-378004	LU 17	-613009	-962923	0.078	Si
230	7.6	5.4	7.6	5.4	-296186	LU 2	153172	962923	0.078	-465905	LU 17	-716314	-962923	0.078	Si
241	10.76	5.4	7.6	5.4	-361646	LU 1	112628	963321	0.079	-559851	LU 18	-824533	-1338168	0.085	Si
253	11.84	5.4	7.6	5.4	-428021	LU 1	64711	963415	0.08	-660562	LU 18	-937666	-1466898	0.087	Si
276	19.1	6.5	7.6	5.4						-876727	LU 18	-1178677	-2285379	0.109	Si
299	21.86	6.7	7.6	5.4						-1112549	LU 18	-1403276	-2663459	0.125	Si
322	22.81	6.7	7.6	5.4						-1368030	LU 18	-1403276	-2701330	0.127	Si
325	22.81	6.7	7.6	5.4						-1403276	LU 18	-1403276	-2701330	0.127	Si
345	22.81	6.7	7.6	5.4						-1643168	LU 18	-1519744	-2701330	0.127	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	1140	LU 10	1140	11113	68363	0	11113	1	Si
20	0.101	15.21	0	441	LU 10	441	11113	68363	11671	11671	1	Si
20	0.101	15.21	0	-414	LU 9	-414	-11113	-68363	-11671	-11671	1	Si
23	0.101	15.21	0	336	LU 10	336	11113	68363	11671	11671	1	Si
23	0.101	15.21	0	-502	LU 9	-502	-11113	-68363	-11671	-11671	1	Si
46	0.101	15.21	0	-1279	LU 18	-1279	-11113	-68363	-11671	-11671	1	Si
69	0.101	12.11	0	-2134	LU 18	-2134	-10302	-68363	-11671	-11671	1	Si
80	0.101	7.6	0	-2561	LU 18	-2561	-8821	-68363	-11671	-11671	1	Si
103	0.134	7.6	0	-3416	LU 18	-3416	-8821	-68363	-15561	-15561	1	Si
126	0.134	7.6	0	-4270	LU 18	-4270	-8821	-68363	-15561	-15561	1	Si
149	0.134	7.6	0	-5125	LU 18	-5125	-8821	-68363	-15561	-15561	1	Si
172	0.134	7.6	0	-5980	LU 18	-5980	-8821	-68363	-15561	-15561	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
195	0.134	7.6	0	-6834	LU 18	-6834	-8821	-68363	-15561	-15561	1	Si
218	0.134	7.6	0	-7689	LU 18	-7689	-8821	-68363	-15561	-15561	1	Si
241	0.134	7.6	0	-8544	LU 18	-8544	-8821	-68363	-15561	-15561	1	Si
253	0.134	7.6	0	-8971	LU 18	-8971	-8821	-68363	-15561	-15561	1	Si
276	0.158	7.6	0	-9826	LU 18	-9826	-8749	-67236	-18038	-18038	1	Si
299	0.158	7.6	0	-10681	LU 18	-10681	-8734	-66996	-17973	-17973	1	Si
322	0.158	11.84	0	-11535	LU 18	-11535	-10122	-66952	-17961	-17961	1	Si
325	0.158	16.93	0	-11647	LU 18	-11647	-11402	-66952	-17961	-17961	1	Si
333	0	16.93	0	-11963	LU 18	-11963	-11402	-66952	0	-11402	1	Si
345	0	19.1	0	-12390	LU 18	-12390	-11869	-66952	0	-11869	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	307981	9	307981	10.2	124.5	347.4	1837	228300	2	228300	7.5	93.4	0	+∞	Si
20	310026	9	310026	10.2	124.5	349.7	1837	238634	2	239993	7.9	93.4	0	+∞	Si
23	309770	9	310026	10.2	124.5	349.7	1837	239651	2	239993	7.9	93.4	0	+∞	Si
46	296558	9	310026	10.3	124.5	349.8	1837	236778	2	239993	8	93.4	0	+∞	Si
69	268343	9	301034	10.1	124.5	340.1	1837	219680	2	238475	8	93.4	0	+∞	Si
80	248610	9	290782	9.9	124.5	328.7	1837	205796	2	233581	7.9	93.4	0	+∞	Si
103	197892	9	259025	9.1	124.5	293.6	1837	167361	2	213124	7.5	93.4	0	+∞	Si
126	136137	3	212267	7.7	124.5	266.6	1837	114701	2	178443	6.5	93.4	0	+∞	Si
149	62960	2	152988	4	124.5	59.8	1837	47817	2	129538	5.8	93.4	0	+∞	Si
172	-55441	8	-193334	5	124.5	75.6	1837	-38079	1	-159236	7.1	93.4	0	+∞	Si
195	-162192	8	-319046	8.3	124.5	124.7	1837	-131710	1	-270846	12.1	93.4	0	+∞	Si
218	-283945	8	-461563	12	124.5	180.4	1837	-239566	1	-397453	17.8	93.4	0	+∞	Si
241	-421454	9	-621254	24.5	124.5	981.6	1837	-361969	2	-539216	21.3	93.4	0	+∞	Si
253	-497444	9	-706725	26.9	124.5	1018	1837	-429195	2	-615431	23.5	93.4	0	+∞	Si
276	-660676	9	-888918	29.6	124.5	844.8	1837	-574316	2	-778531	25.9	93.4	0	+∞	Si
299	-838910	9	-1058818	33.7	124.5	871.2	1837	-733662	2	-931263	29.6	93.4	0	+∞	Si
322	-1032146	9	-1058818	33.6	124.5	860	1837	-907232	2	-931263	29.5	93.4	0	+∞	Si
325	-1058818	9	-1058818	33.6	124.5	860	1837	-931263	2	-931263	29.5	93.4	0	+∞	Si
345	-1240384	9	-1146947	36.4	124.5	931.6	1837	-1095027	2	-1010628	32	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
299	superiore	35.2	0.00025	0.0089	9	35.2	0.00023	0.0079	4	35.2	0.00022	0.0079	2	Si
322	superiore	34.8	0.00025	0.0087	9	34.8	0.00022	0.0078	4	34.8	0.00022	0.0077	2	Si
325	superiore	34.8	0.00025	0.0087	9	34.8	0.00022	0.0078	4	34.8	0.00022	0.0077	2	Si
345	superiore	34.8	0.00027	0.0094	9	34.8	0.00024	0.0084	4	34.8	0.00024	0.0083	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
23	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
46	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
69	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0	2	0	2	9999	Si
80	0.001	0	0	0	0.001	0.001	0	0	0.001	0.001	0	2	-0.001	2	9999	Si
103	0.001	0	0	-0.001	0	0	-0.001	-0.001	0	0	-0.002	2	-0.003	2	9999	Si
126	0	-0.002	-0.001	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.005	2	-0.005	2	9999	Si
149	-0.001	-0.003	-0.002	-0.004	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.007	2	-0.008	2	9999	Si
172	-0.003	-0.004	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.01	2	-0.011	2	9999	Si
195	-0.004	-0.006	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.013	2	-0.013	2	9999	Si
218	-0.005	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.015	2	-0.016	2	9999	Si
241	-0.006	-0.008	-0.006	-0.008	-0.006	-0.007	-0.007	-0.007	-0.007	-0.007	-0.017	2	-0.017	2	9999	Si
253	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.017	2	-0.017	2	9999	Si
276	-0.007	-0.008	-0.006	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.016	2	-0.016	2	9999	Si
299	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	2	-0.014	2	9999	Si
322	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	2	-0.008	2	9999	Si
325	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si

Campata 2 tra i fili 56 - ?, sezione R 40x70, asta 1201

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	7.6	5.4						-2315360	LU 18	-2132651	-2701330	0.127	Si
17	22.81	6.7	7.6	5.4						-2008479	LU 18	-2004840	-2701330	0.127	Si
20	22.81	6.7	7.6	5.4						-1957068	LU 18	-1957068	-2701330	0.127	Si
34	22.81	6.7	7.6	5.4						-1712418	LU 18	-1957068	-2701330	0.127	Si
51	21.97	6.6	7.6	5.4						-1427177	LU 18	-1919929	-2610291	0.12	Si
68	20.36	6.4	7.6	5.4	-760108	LU 1	28448	1006536	0.087	-1152756	LU 18	-1627075	-2433886	0.113	Si
77	19.56	6.3	7.6	5.4	-670552	LU 1	55417	999870	0.086	-1019603	LU 18	-1484705	-2345380	0.11	Si
94	15.21	5.4	7.6	5.4	-497313	LU 1	97182	963633	0.08	-761413	LU 18	-1208081	-1865528	0.096	Si
111	13.89	5.4	7.6	5.4	-331904	LU 1	122716	963559	0.08	-514042	LU 18	-942278	-1709991	0.093	Si
128	12.28	5.4	7.6	5.4	-174325	LU 1	132020	963448	0.08	-278149	LU 12	-687294	-1519122	0.088	Si
145	10.68	5.4	7.6	5.4	-14016	LU 8	333267	963312	0.079	-75339	LU 11	-443131	-1328138	0.085	Si
162	7.6	5.4	7.6	5.4	190788	LU 17	527010	962923	0.078	77859	LU 2	-216350	-962923	0.078	Si
179	7.6	5.4	7.6	5.4	392144	LU 17	709932	962923	0.078	215854	LU 2	-24166	-962923	0.078	Si
188	7.6	5.4	7.6	5.4	488765	LU 17	797336	962923	0.078						Si
196	10.99	5.4	11.71	5.4	582680	LU 17	882035	1451210	0.086						Si
205	11.79	5.4	12.86	5.4	673890	LU 17	964028	1587421	0.088						Si
222	13.4	5.4	15.16	5.4	848196	LU 17	1030472	1859665	0.091						Si
241	15.21	5.4	15.21	5.4	1030472	LU 17	1030472	1864772	0.091						Si
256	15.21	5.4	15.21	5.4	1164347	LU 17	1099376	1864772	0.091						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	21.16	0	18301	LU 18	18301	12283	66952	0	12283	1	Si
17	0	19.56	0	17667	LU 18	17667	11963	66952	0	11963	1	Si
20	0.187	18.75	0	17558	LU 18	17558	11797	66952	21227	21227	1	Si
34	0.187	15.21	0	17033	LU 18	17033	11001	66952	21227	21227	1	Si
51	0.187	13.89	0	16399	LU 18	16399	10683	67060	21261	21261	1	Si
68	0.187	12.28	0	15765	LU 18	15765	10271	67291	21335	21335	1	Si
77	0.187	11.48	0	15448	LU 18	15448	10051	67421	21376	21376	1	Si
94	0.161	7.6	0	14814	LU 18	14814	8821	68363	18741	18741	1	Si
111	0.161	7.6	0	14180	LU 18	14180	8821	68363	18741	18741	1	Si
128	0.161	10.99	0	13546	LU 18	13546	9973	68363	18741	18741	1	Si
145	0.161	12.6	0	12912	LU 18	12912	10438	68363	18741	18741	1	Si
162	0.161	7.6	0	12277	LU 18	12277	8821	68363	18741	18741	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
179	0.129	7.6	0	11643	LU 18	11643	8821	68363	15005	15005	1	Si
196	0.129	7.6	0	11009	LU 18	11009	8821	68363	15005	15005	1	Si
205	0.129	7.6	0	10692	LU 18	10692	8821	68363	15005	15005	1	Si
222	0.129	7.6	0	10058	LU 18	10058	8821	68363	15005	15005	1	Si
241	0.129	7.6	0	9347	LU 18	9347	8821	68363	15005	15005	1	Si
256	0	7.6	0	8790	LU 18	8790	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1749843	9	-1611470	51.1	124.5	1308.9	1837	-1562335	2	-1437631	45.6	93.4	0	+∞	Si
17	-1517459	9	-1514704	48	124.5	1230.3	1837	-1353082	2	-1350610	42.8	93.4	0	+∞	Si
20	-1478536	9	-1478536	46.9	124.5	1201	1837	-1318084	2	-1318084	41.8	93.4	0	+∞	Si
34	-1293332	9	-1478536	46.9	124.5	1201	1837	-1151658	2	-1318084	41.8	93.4	0	+∞	Si
51	-1077463	9	-1450419	46.4	124.5	1215.5	1837	-958064	2	-1292803	41.4	93.4	0	+∞	Si
68	-869852	9	-1228740	40	124.5	1096.7	1837	-772300	2	-1093700	35.6	93.4	0	+∞	Si
77	-769142	9	-1120997	36.9	124.5	1034.4	1837	-682354	2	-997084	32.8	93.4	0	+∞	Si
94	-573917	9	-911704	31.9	124.5	1033.3	1837	-508335	2	-809726	28.3	93.4	0	+∞	Si
111	-386949	9	-710669	25.6	124.5	878.2	1837	-342145	2	-630197	22.7	93.4	0	+∞	Si
128	-208676	3	-517891	19.5	124.5	720.3	1837	-183784	2	-458498	17.3	93.4	0	+∞	Si
145	-53503	2	-333370	13.2	124.5	530.7	1837	-33253	2	-294629	11.7	93.4	0	+∞	Si
162	142838	8	396787	10.3	124.5	155.1	1837	117345	1	340855	15.3	93.4	0	+∞	Si
179	294954	8	534836	13.9	124.5	209	1837	251436	1	461607	20.7	93.4	0	+∞	Si
196	438813	8	664627	24.2	124.5	964.3	1837	377697	1	574529	20.9	93.4	0	+∞	Si
205	507646	8	726426	25.3	124.5	962.3	1837	437891	1	628054	21.9	93.4	0	+∞	Si
222	639118	8	776486	25	124.5	876.4	1837	552408	1	671287	21.6	93.4	0	+∞	Si
241	776486	8	776486	24.4	124.5	872.5	1837	671287	1	671287	21.1	93.4	0	+∞	Si
256	877291	8	828389	26	124.5	930.8	1837	757952	1	716043	22.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	34.8	0.00038	0.0133	9	34.8	0.00039	0.0135	4	34.8	0.00038	0.0133	2	Si
17	superiore	34.8	0.00036	0.0125	9	34.8	0.00035	0.0123	4	34.8	0.00035	0.0121	2	Si
20	superiore	34.8	0.00035	0.0122	9	34.8	0.00034	0.0118	4	34.8	0.00034	0.0117	2	Si
34	superiore	34.8	0.00035	0.0122	9	34.8	0.00034	0.0118	4	34.8	0.00034	0.0117	2	Si
51	superiore	35.7	0.00035	0.0126	9	35.7	0.00034	0.0122	4	35.7	0.00034	0.012	2	Si
68	superiore	37.7	0.00032	0.012	9	37.7	0.00029	0.0108	4	37.7	0.00028	0.0107	2	Si
77	superiore	38.7	0.0003	0.0117	9	38.7	0.00027	0.0105	4	38.7	0.00027	0.0104	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
20	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si
34	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.015	1	-0.015	1	9999	Si
51	-0.007	-0.008	-0.007	-0.009	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.017	1	-0.018	1	9999	Si
68	-0.007	-0.008	-0.007	-0.009	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.018	1	-0.019	1	9999	Si
77	-0.007	-0.008	-0.007	-0.009	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.018	1	-0.019	1	9999	Si
94	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.017	1	-0.018	1	9999	Si
111	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.015	1	-0.016	1	9999	Si
128	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.013	1	9999	Si
145	-0.003	-0.004	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.009	1	-0.01	1	9999	Si
162	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.006	1	-0.007	1	9999	Si
179	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.003	1	-0.004	1	9999	Si
196	0	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
205	0.001	0	0	0	0.001	0	0	0	0.001	0	0	1	-0.001	1	9999	Si
222	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
241	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si

Campata 3 tra i fili ? - 57, sezione R 40x70, asta 1202

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	1136135	LU 17	1136135	1864772	0.091						Si
15	15.21	5.4	15.21	5.4	1219478	LU 17	1357563	1864772	0.091						Si
34	13.4	5.4	15.21	5.4	1314815	LU 17	1431879	1864910	0.091						Si
68	7.6	5.4	15.21	5.4	1450276	LU 17	1530499	1865528	0.096						Si
102	7.6	5.4	15.21	5.4	1542518	LU 17	1585901	1865528	0.096						Si
119	7.6	5.4	15.21	5.4	1572432	LU 17	1597394	1865528	0.096						Si
136	7.6	5.4	15.21	5.4	1591541	LU 17	1599846	1865528	0.096						Si
153	7.6	5.4	15.21	5.4	1599846	LU 17	1599846	1865528	0.096						Si
188	7.6	5.4	15.21	5.4	1584041	LU 17	1599108	1865528	0.096						Si
222	7.6	5.4	15.21	5.4	1525017	LU 17	1576924	1865528	0.096						Si
256	7.6	5.4	15.21	5.4	1422774	LU 17	1511522	1865528	0.096						Si
290	7.6	5.4	15.21	5.4	1277312	LU 17	1402901	1865528	0.096						Si
324	7.6	5.4	15.21	5.4	1088631	LU 17	1251061	1865528	0.096						Si
358	7.6	5.4	15.21	5.4	856732	LU 17	1056002	1865528	0.096						Si
375	7.6	5.4	15.21	5.4	724575	LU 17	942265	1865528	0.096						Si
409	11.28	5.4	15.21	5.4	427847	LU 17	682378	1865059	0.093						Si
443	14.5	5.4	13.08	5.4	87900	LU 17	379272	1613500	0.088	-4032	LU 2	-292672	-1781220	0.09	Si
477	15.21	5.4	14.32	5.4	-217725	LU 4	32947	1759393	0.089	-346724	LU 11	-421572	-1864824	0.091	Si
484	15.21	5.4	15.21	5.4						-421572	LU 11	-421572	-1864772	0.091	Si
512	15.21	5.4	15.21	5.4						-760401	LU 16	-581871	-1864772	0.091	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	5972	LU 15	5972	11113	68363	0	11113	1	Si
15	0.072	15.21	0	5415	LU 15	5415	11113	68363	8336	11113	1	Si
34	0.072	15.21	0	4705	LU 15	4705	11113	68363	8336	11113	1	Si
68	0.072	15.21	0	3438	LU 15	3438	11113	68363	8336	11113	1	Si
102	0.098	15.21	0	2170	LU 15	2170	11113	68363	11350	11350	1	Si
119	0.098	15.21	0	1550	LU 10	1550	11113	68363	11350	11350	1	Si
153	0.098	15.21	0	358	LU 10	358	11113	68363	11350	11350	1	Si
188	0.098	15.21	0	-1146	LU 18	-1146	-11113	-68363	-11350	-11350	1	Si
222	0.098	15.21	0	-2413	LU 18	-2413	-11113	-68363	-11350	-11350	1	Si
256	0.098	15.21	0	-3681	LU 18	-3681	-11113	-68363	-11350	-11350	1	Si
290	0.098	15.21	0	-4948	LU 18	-4948	-11113	-68363	-11350	-11350	1	Si
324	0.098	15.21	0	-6215	LU 18	-6215	-11113	-68363	-11350	-11350	1	Si
358	0.098	15.21	0	-7482	LU 18	-7482	-11113	-68363	-11350	-11350	1	Si
375	0.098	13.08	0	-8116	LU 18	-8116	-10570	-68363	-11350	-11350	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
409	0.098	14.32	0	-9383	LU 18	-9383	-10892	-68363	-11350	-11350	1	Si
443	0.129	15.21	0	-10651	LU 18	-10651	-11113	-68363	-15005	-15005	1	Si
477	0.129	11.28	0	-11918	LU 18	-11918	-10061	-68363	-15005	-15005	1	Si
484	0.129	12.89	0	-12163	LU 18	-12163	-10518	-68363	-15005	-15005	1	Si
512	0	14.5	0	-13104	LU 18	-13104	-10938	-68363	0	-10938	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	855529	8	855529	26.8	124.5	961.3	1837	735796	1	735796	23.1	93.4	0	+∞	Si
15	919437	8	1025405	32.2	124.5	1152.1	1837	798384	1	902721	28.3	93.4	0	+∞	Si
34	992579	8	1082506	34.8	124.5	1218.4	1837	870273	1	959399	30.8	93.4	0	+∞	Si
68	1096647	8	1158459	40.5	124.5	1313	1837	973476	1	1035944	36.2	93.4	0	+∞	Si
102	1167733	8	1201429	42	124.5	1361.7	1837	1045406	1	1081215	37.8	93.4	0	+∞	Si
119	1190907	8	1210546	42.3	124.5	1372	1837	1069643	1	1092123	38.2	93.4	0	+∞	Si
153	1212519	8	1212519	41.8	124.5	1374.2	1837	1094661	1	1095443	38.3	93.4	0	+∞	Si
188	1201148	8	1212057	41.8	124.5	1373.7	1837	1088406	1	1095443	38.3	93.4	0	+∞	Si
222	1156795	8	1195819	41.8	124.5	1355.3	1837	1050877	1	1084021	37.9	93.4	0	+∞	Si
256	1079459	8	1146598	40.1	124.5	1299.5	1837	982075	1	1041877	36.4	93.4	0	+∞	Si
290	969141	8	1064395	37.2	124.5	1206.4	1837	881998	1	968459	33.9	93.4	0	+∞	Si
324	825841	8	949210	33.2	124.5	1075.8	1837	750648	1	863768	30.2	93.4	0	+∞	Si
358	649558	8	801042	28	124.5	907.9	1837	588025	1	727802	25.5	93.4	0	+∞	Si
375	549048	8	714589	25	124.5	809.9	1837	494985	1	648092	22.7	93.4	0	+∞	Si
409	323291	8	516947	17.1	124.5	583.2	1837	285451	1	465216	15.4	93.4	0	+∞	Si
443	64552	8	286323	9.5	124.5	372.2	1837	44643	1	251066	8.4	93.4	0	+∞	Si
477	-261475	2	-319003	10.1	124.5	358.7	1837	-237650	2	-294963	9.4	93.4	0	+∞	Si
484	-319003	2	-319003	10	124.5	358.4	1837	-294963	2	-294963	9.3	93.4	0	+∞	Si
512	-577695	7	-441662	13.9	124.5	496.3	1837	-541394	2	-413602	13	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
15	inferiore	41.2	0.00034	0.0138	8	41.2	0.0003	0.0123	3	41.2	0.0003	0.0122	1	Si
34	inferiore	41.2	0.00035	0.0146	8	41.2	0.00032	0.0131	3	41.2	0.00031	0.013	1	Si
68	inferiore	41.2	0.00038	0.0157	8	41.2	0.00035	0.0146	3	41.2	0.00035	0.0143	1	Si
102	inferiore	41.2	0.0004	0.0163	8	41.2	0.00038	0.0156	3	41.2	0.00037	0.0153	1	Si
119	inferiore	41.2	0.0004	0.0165	8	41.2	0.00038	0.0158	3	41.2	0.00038	0.0156	1	Si
153	inferiore	41.2	0.0004	0.0165	8	41.2	0.00039	0.0159	3	41.2	0.00038	0.0157	1	Si
188	inferiore	41.2	0.0004	0.0165	8	41.2	0.00039	0.0159	3	41.2	0.00038	0.0157	1	Si
222	inferiore	41.2	0.00039	0.0163	8	41.2	0.00038	0.0156	3	41.2	0.00037	0.0154	1	Si
256	inferiore	41.2	0.00038	0.0156	8	41.2	0.00036	0.0146	3	41.2	0.00035	0.0145	1	Si
290	inferiore	41.2	0.00035	0.0145	8	41.2	0.00032	0.0133	3	41.2	0.00032	0.0132	1	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.012	0.01	0.012	0.009	0.011	0.01	0.01	0.01	0.01	0.01	0.028	1	0.028	1	9999	Si
34	0.026	0.023	0.027	0.021	0.023	0.023	0.022	0.021	0.023	0.023	0.062	1	0.062	1	8217	Si
68	0.048	0.042	0.051	0.039	0.043	0.042	0.042	0.04	0.043	0.043	0.118	1	0.117	1	4330	Si
102	0.066	0.058	0.071	0.054	0.06	0.059	0.058	0.055	0.059	0.059	0.165	1	0.163	1	3106	Si
119	0.073	0.065	0.079	0.061	0.067	0.065	0.064	0.062	0.066	0.066	0.184	1	0.182	1	2784	Si
153	0.085	0.075	0.091	0.07	0.077	0.076	0.075	0.072	0.077	0.076	0.213	1	0.211	1	2402	Si
188	0.092	0.081	0.099	0.076	0.084	0.082	0.081	0.078	0.083	0.083	0.23	1	0.228	1	2223	Si
222	0.095	0.084	0.101	0.078	0.087	0.085	0.083	0.08	0.086	0.086	0.235	1	0.233	1	2176	Si
256	0.094	0.083	0.098	0.076	0.086	0.084	0.081	0.078	0.085	0.085	0.229	1	0.226	1	2237	Si
290	0.089	0.078	0.092	0.072	0.081	0.08	0.076	0.073	0.081	0.08	0.213	1	0.21	1	2406	Si
324	0.081	0.071	0.082	0.064	0.074	0.072	0.069	0.066	0.073	0.072	0.19	1	0.188	1	2697	Si
358	0.069	0.06	0.07	0.055	0.063	0.061	0.059	0.056	0.063	0.062	0.161	1	0.159	1	3177	Si
375	0.062	0.054	0.063	0.049	0.057	0.055	0.053	0.051	0.056	0.056	0.145	1	0.143	1	3530	Si
409	0.048	0.041	0.048	0.037	0.043	0.042	0.04	0.039	0.043	0.043	0.11	1	0.109	1	4650	Si
443	0.032	0.027	0.032	0.025	0.029	0.028	0.027	0.025	0.029	0.028	0.073	1	0.072	1	7007	Si
477	0.015	0.013	0.016	0.012	0.014	0.013	0.013	0.012	0.014	0.014	0.036	1	0.035	1	9999	Si
484	0.012	0.01	0.012	0.01	0.011	0.011	0.01	0.01	0.011	0.011	0.029	1	0.028	1	9999	Si

Trave a "Piano 2" 58-60

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 58 - 59, sezione R 40x70, asta 1203

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	476177	LU 18	474532	1865107	0.093						Si
20	11.4	5.4	15.21	5.4	466023	LU 18	466023	1865107	0.093						Si
23	11.4	5.4	15.21	5.4	463773	LU 18	466023	1865107	0.093						Si
46	11.23	5.4	15.21	5.4	431979	LU 18	466023	1865104	0.093						Si
69	10.14	5.4	15.21	5.4	380795	LU 18	441650	1865229	0.093						Si
80	9.6	5.4	15.21	5.4	347932	LU 18	421040	1865289	0.094						Si
103	7.6	5.4	15.21	5.4	267663	LU 18	365278	1865528	0.096						Si
126	7.6	5.4	13.66	5.4	173675	LU 12	290126	1682622	0.092	102336	LU 1	-5850	-963545	0.08	Si
149	7.6	5.4	7.6	5.4	65884	LU 11	227433	962923	0.078	20938	LU 8	-139956	-962923	0.078	Si
172	7.6	5.4	7.6	5.4	-39904	LU 2	241976	962923	0.078	-101465	LU 17	-295769	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	-150823	LU 2	227433	962923	0.078	-252161	LU 17	-475143	-962923	0.078	Si
218	7.6	5.4	7.6	5.4	-272507	LU 1	183805	962923	0.078	-424535	LU 18	-676871	-962923	0.078	Si
241	11.81	5.4	7.6	5.4	-401302	LU 1	111092	963412	0.08	-621145	LU 18	-897988	-1463126	0.087	Si
253	12.9	5.4	7.6	5.4	-470962	LU 1	63829	963493	0.08	-726721	LU 18	-1015818	-1591791	0.09	Si
276	20.15	6.4	7.6	5.4						-952416	LU 18	-1266021	-2409591	0.112	Si
299	21.86	6.7	7.6	5.4						-1197501	LU 18	-1498370	-2663459	0.125	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
322	22.81	6.7	7.6	5.4						-1461977	LU 18	-1498370	-2701330	0.127	Si
325	22.81	6.7	7.6	5.4						-1498370	LU 18	-1498370	-2701330	0.127	Si
345	22.81	6.7	7.6	5.4						-1745842	LU 18	-1618675	-2701330	0.127	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	652	LU 10	652	11113	68363	0	11113	1	Si
0	0	15.21	0	-286	LU 5	-286	-11113	-68363	0	-11113	1	Si
20	0.101	15.21	0	-851	LU 18	-851	-11113	-68363	-11671	-11671	1	Si
23	0.101	15.21	0	-961	LU 18	-961	-11113	-68363	-11671	-11671	1	Si
46	0.101	15.21	0	-1804	LU 18	-1804	-11113	-68363	-11671	-11671	1	Si
69	0.101	12.11	0	-2647	LU 18	-2647	-10302	-68363	-11671	-11671	1	Si
80	0.101	7.6	0	-3068	LU 18	-3068	-8821	-68363	-11671	-11671	1	Si
103	0.14	7.6	0	-3911	LU 18	-3911	-8821	-68363	-16269	-16269	1	Si
126	0.14	7.6	0	-4755	LU 18	-4755	-8821	-68363	-16269	-16269	1	Si
149	0.14	7.6	0	-5598	LU 18	-5598	-8821	-68363	-16269	-16269	1	Si
172	0.14	7.6	0	-6441	LU 18	-6441	-8821	-68363	-16269	-16269	1	Si
195	0.14	7.6	0	-7284	LU 18	-7284	-8821	-68363	-16269	-16269	1	Si
218	0.14	7.6	0	-8127	LU 18	-8127	-8821	-68363	-16269	-16269	1	Si
241	0.14	7.6	0	-8970	LU 18	-8970	-8821	-68363	-16269	-16269	1	Si
253	0.14	7.6	0	-9391	LU 18	-9391	-8821	-68363	-16269	-16269	1	Si
276	0.172	7.6	0	-10234	LU 18	-10234	-8753	-67295	-19695	-19695	1	Si
299	0.172	10.73	0	-11077	LU 18	-11077	-9797	-66996	-19607	-19607	1	Si
322	0.172	12.9	0	-11920	LU 18	-11920	-10413	-66952	-19594	-19594	1	Si
325	0.172	17.98	0	-12030	LU 18	-12030	-11633	-66952	-19594	-19594	1	Si
333	0	17.98	0	-12342	LU 18	-12342	-11633	-66952	0	-11633	1	Si
345	0	20.15	0	-12764	LU 18	-12764	-12083	-66952	0	-12083	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	350933	9	350460	11.6	124.5	395.3	1837	269821	2	269821	8.9	93.4	0	+∞	Si
20	344750	9	344750	11.4	124.5	388.9	1837	272442	2	272442	9	93.4	0	+∞	Si
23	343267	9	344750	11.4	124.5	388.9	1837	272309	2	272442	9	93.4	0	+∞	Si
46	320804	9	344750	11.4	124.5	388.9	1837	260763	2	272442	9	93.4	0	+∞	Si
69	283542	9	327708	11	124.5	370.2	1837	235183	2	264736	8.9	93.4	0	+∞	Si
80	259362	9	312880	10.6	124.5	353.7	1837	217131	2	255552	8.7	93.4	0	+∞	Si
103	199904	9	272125	9.5	124.5	308.4	1837	170500	2	226659	7.9	93.4	0	+∞	Si
126	129428	3	216572	7.9	124.5	272	1837	109835	2	183732	6.7	93.4	0	+∞	Si
149	47879	2	148585	3.9	124.5	58.1	1837	35137	2	126772	5.7	93.4	0	+∞	Si
172	-75245	8	-222127	5.8	124.5	86.8	1837	-57018	1	-187106	8.4	93.4	0	+∞	Si
195	-189140	8	-357505	9.3	124.5	139.7	1837	-157745	1	-306763	13.8	93.4	0	+∞	Si
218	-319357	9	-509656	13.3	124.5	199.2	1837	-273160	2	-441300	19.8	93.4	0	+∞	Si
241	-467603	9	-676606	25.8	124.5	977.1	1837	-403994	2	-589871	22.5	93.4	0	+∞	Si
253	-547276	9	-765630	28.3	124.5	1016.2	1837	-474673	2	-669419	24.8	93.4	0	+∞	Si
276	-717719	9	-954776	31.2	124.5	860.5	1837	-626557	2	-839041	27.4	93.4	0	+∞	Si
299	-902959	9	-1130538	36	124.5	930.2	1837	-792476	2	-997272	31.7	93.4	0	+∞	Si
322	-1102998	9	-1130538	35.8	124.5	918.3	1837	-972427	2	-997272	31.6	93.4	0	+∞	Si
325	-1130538	9	-1130538	35.8	124.5	918.3	1837	-997272	2	-997272	31.6	93.4	0	+∞	Si
345	-1317835	9	-1221567	38.7	124.5	992.2	1837	-1166413	2	-1079359	34.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
299	superiore	35.2	0.00027	0.0095	9	35.2	0.00024	0.0085	4	35.2	0.00024	0.0084	2	Si
322	superiore	34.8	0.00027	0.0093	9	34.8	0.00024	0.0083	4	34.8	0.00024	0.0082	2	Si
325	superiore	34.8	0.00027	0.0093	9	34.8	0.00024	0.0083	4	34.8	0.00024	0.0082	2	Si
345	superiore	34.8	0.00029	0.0101	9	34.8	0.00026	0.009	4	34.8	0.00026	0.0089	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
23	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
46	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0	2	9999	Si
69	0.001	0	0	0	0.001	0.001	0	0	0.001	0.001	0	2	-0.001	2	9999	Si
80	0.001	0	0	-0.001	0.001	0	0	-0.001	0	0	-0.001	2	-0.001	2	9999	Si
103	0	-0.001	-0.001	-0.002	0	-0.001	-0.001	-0.001	0	-0.001	-0.003	2	-0.004	2	9999	Si
126	-0.001	-0.002	-0.002	-0.003	-0.001	-0.002	-0.002	-0.003	-0.001	-0.002	-0.006	2	-0.006	2	9999	Si
149	-0.002	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.009	2	-0.009	2	9999	Si
172	-0.004	-0.005	-0.005	-0.006	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.012	2	-0.013	2	9999	Si
195	-0.005	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.015	2	-0.016	2	9999	Si
218	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.018	2	-0.018	2	9999	Si
241	-0.007	-0.009	-0.008	-0.009	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.019	2	-0.019	2	9999	Si
253	-0.008	-0.009	-0.008	-0.009	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.019	2	-0.019	2	9999	Si
276	-0.008	-0.009	-0.007	-0.009	-0.008	-0.008	-0.007	-0.007	-0.008	-0.008	-0.018	2	-0.018	2	9999	Si
299	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.015	1	-0.015	1	9999	Si
322	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
325	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si

Campata 2 tra i fili 59 - ?, sezione R 40x70, asta 1204

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	7.6	5.4						-2353986	LU 18	-2172215	-2701330	0.127	Si
17	22.81	6.7	7.6	5.4						-2049758	LU 18	-2045964	-2701330	0.127	Si
20	22.81	6.7	7.6	5.4						-1997473	LU 18	-1997473	-2701330	0.127	Si
34	22.81	6.7	7.6	5.4						-1756123	LU 18	-1997473	-2701330	0.127	Si
51	21.99	6.6	7.6	5.4						-1473082	LU 18	-1963836	-2612264	0.12	Si
68	20.38	6.4	7.6	5.4	-789703	LU 1	27764	1006742	0.087	-1200633	LU 18	-1673273	-2436540	0.113	Si
77	19.58	6.3	7.6	5.4	-700870	LU 1	54169	1000077	0.086	-1068381	LU 18	-1531964	-2348359	0.11	Si
94	15.21	5.4	7.6	5.4	-528953	LU 1	95062	963633	0.08	-811822	LU 18	-1257291	-1865528	0.096	Si
111	13.86	5.4	7.6	5.4	-364703	LU 1	120065	963557	0.08	-565857	LU 18	-993211	-1705586	0.092	Si
128	12.25	5.4	7.6	5.4	-208120	LU 1	129178	963447	0.08	-331934	LU 12	-739724	-1515417	0.088	Si
145	10.65	5.4	7.6	5.4	-51558	LU 8	284648	963309	0.079	-128944	LU 11	-496830	-1325141	0.085	Si
162	7.6	5.4	7.6	5.4	141628	LU 17	477481	962923	0.078	34694	LU 2	-271613	-962923	0.078	Si
179	7.6	5.4	7.6	5.4	341983	LU 17	659722	962923	0.078	172903	LU 2	-73629	-962923	0.078	Si
187	7.6	5.4	7.6	5.4	438188	LU 17	746869	962923	0.078						Si
204	11.81	5.4	12.85	5.4	622652	LU 17	913220	1586413	0.088						Si
221	13.41	5.4	15.14	5.4	796524	LU 17	978077	1857657	0.091						Si
240	15.21	5.4	15.21	5.4	978077	LU 17	978077	1864772	0.091						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
255	15.21	5.4	15.21	5.4	1112488	LU 17	1047226	1864772	0.091						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	21.19	0	18207	LU 18	18207	12287	66952	0	12287	1	Si
17	0	19.58	0	17584	LU 18	17584	11969	66952	0	11969	1	Si
20	0.187	18.78	0	17474	LU 18	17474	11803	66952	21227	21227	1	Si
34	0.187	15.21	0	16961	LU 18	16961	11001	66952	21227	21227	1	Si
51	0.187	13.86	0	16338	LU 18	16338	10673	67057	21261	21261	1	Si
68	0.187	12.25	0	15715	LU 18	15715	10262	67288	21334	21334	1	Si
77	0.187	11.45	0	15403	LU 18	15403	10043	67417	21375	21375	1	Si
94	0.151	7.6	0	14780	LU 18	14780	8821	68363	17506	17506	1	Si
111	0.151	7.6	0	14157	LU 18	14157	8821	68363	17506	17506	1	Si
128	0.151	11.01	0	13534	LU 18	13534	9979	68363	17506	17506	1	Si
145	0.151	12.61	0	12911	LU 18	12911	10442	68363	17506	17506	1	Si
162	0.151	7.6	0	12288	LU 18	12288	8821	68363	17506	17506	1	Si
179	0.129	7.6	0	11665	LU 18	11665	8821	68363	15005	15005	1	Si
187	0.129	7.6	0	11353	LU 18	11353	8821	68363	15005	15005	1	Si
204	0.129	7.6	0	10730	LU 18	10730	8821	68363	15005	15005	1	Si
221	0.129	7.6	0	10107	LU 18	10107	8821	68363	15005	15005	1	Si
240	0.129	7.6	0	9410	LU 18	9410	8821	68363	15005	15005	1	Si
255	0	7.6	0	8860	LU 18	8860	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1778573	9	-1640932	52	124.5	1332.9	1837	-1587634	2	-1463631	46.4	93.4	0	+∞	Si
17	-1548233	9	-1545361	49	124.5	1255.2	1837	-1380291	2	-1377715	43.7	93.4	0	+∞	Si
20	-1508654	9	-1508654	47.8	124.5	1225.4	1837	-1344715	2	-1344715	42.6	93.4	0	+∞	Si
34	-1325976	9	-1508654	47.8	124.5	1225.4	1837	-1180615	2	-1344715	42.6	93.4	0	+∞	Si
51	-1111804	9	-1483192	47.4	124.5	1242.1	1837	-988605	2	-1321829	42.3	93.4	0	+∞	Si
68	-905716	9	-1263280	41.1	124.5	1126.4	1837	-804263	2	-1124376	36.6	93.4	0	+∞	Si
77	-805703	9	-1156356	38	124.5	1065.8	1837	-714967	2	-1028525	33.8	93.4	0	+∞	Si
94	-611742	9	-948570	33.2	124.5	1075.1	1837	-542125	2	-842572	29.5	93.4	0	+∞	Si
111	-425865	9	-748869	27	124.5	927.8	1837	-376950	2	-664287	24	93.4	0	+∞	Si
128	-249039	3	-557251	21	124.5	776.9	1837	-219441	2	-493668	18.6	93.4	0	+∞	Si
145	-93857	2	-373719	14.8	124.5	596.3	1837	-69600	2	-330716	13.1	93.4	0	+∞	Si
162	105358	8	359065	9.4	124.5	140.3	1837	82045	1	305583	13.7	93.4	0	+∞	Si
179	256739	8	496622	12.9	124.5	194.1	1837	215627	1	426055	19.1	93.4	0	+∞	Si
187	329398	8	562368	14.7	124.5	219.8	1837	279543	1	483416	21.7	93.4	0	+∞	Si
204	468652	8	687798	23.9	124.5	911.7	1837	401625	1	592388	20.6	93.4	0	+∞	Si
221	599821	8	736674	23.7	124.5	831.8	1837	516040	1	634671	20.4	93.4	0	+∞	Si
240	736674	8	736674	23.1	124.5	827.7	1837	634671	1	634671	19.9	93.4	0	+∞	Si
255	837908	8	788774	24.7	124.5	886.3	1837	721870	1	679676	21.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	34.8	0.00039	0.0135	9	34.8	0.0004	0.0139	4	34.8	0.00039	0.0137	2	Si
17	superiore	34.8	0.00037	0.0127	9	34.8	0.00036	0.0127	4	34.8	0.00036	0.0125	2	Si
20	superiore	34.8	0.00036	0.0124	9	34.8	0.00035	0.0122	4	34.8	0.00035	0.012	2	Si
34	superiore	34.8	0.00036	0.0124	9	34.8	0.00035	0.0122	4	34.8	0.00035	0.012	2	Si
51	superiore	35.7	0.00036	0.0129	9	35.7	0.00035	0.0126	4	35.7	0.00035	0.0124	2	Si
68	superiore	37.7	0.00033	0.0124	9	37.7	0.00029	0.0111	4	37.7	0.00029	0.011	2	Si
77	superiore	38.7	0.00031	0.012	9	38.7	0.00028	0.0108	2	38.7	0.00028	0.0107	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
20	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.011	1	-0.011	1	9999	Si
34	-0.006	-0.007	-0.006	-0.008	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.015	1	-0.016	1	9999	Si
51	-0.007	-0.008	-0.007	-0.009	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.018	1	-0.019	1	9999	Si
68	-0.008	-0.009	-0.008	-0.01	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.02	1	-0.02	1	9999	Si
77	-0.008	-0.009	-0.008	-0.01	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.02	1	-0.02	1	9999	Si
94	-0.007	-0.009	-0.007	-0.009	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.019	1	-0.019	1	9999	Si
111	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.017	1	-0.017	1	9999	Si
128	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.014	1	-0.015	1	9999	Si
145	-0.004	-0.005	-0.004	-0.006	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.011	1	-0.012	1	9999	Si
162	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.008	1	-0.009	1	9999	Si
179	-0.001	-0.002	-0.002	-0.003	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.005	1	-0.006	1	9999	Si
187	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.004	1	-0.004	1	9999	Si
204	0	0	0	-0.001	0	0	-0.001	-0.001	0	0	-0.001	1	-0.002	1	9999	Si
221	0.001	0	0	0	0.001	0	0	0	0.001	0	0	1	0	1	9999	Si
240	0.001	0	0	0	0.001	0	0	0	0.001	0.001	0.001	1	0	1	9999	Si

Campata 3 tra i fili ? - 60, sezione R 40x70, asta 1205

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	1082804	LU 17	1082804	1864772	0.091						Si
15	15.21	5.4	15.21	5.4	1167193	LU 17	1307640	1864772	0.091						Si
34	13.4	5.4	15.21	5.4	1264327	LU 17	1383961	1864908	0.091						Si
68	7.6	5.4	15.21	5.4	1403061	LU 17	1486289	1865528	0.096						Si
103	7.6	5.4	15.21	5.4	1499006	LU 17	1545829	1865528	0.096						Si
137	7.6	5.4	15.21	5.4	1552162	LU 17	1562695	1865528	0.096						Si
154	7.6	5.4	15.21	5.4	1562695	LU 17	1562695	1865528	0.096						Si
188	7.6	5.4	15.21	5.4	1551668	LU 17	1562645	1865528	0.096						Si
222	7.6	5.4	15.21	5.4	1497852	LU 17	1545236	1865528	0.096						Si
256	7.6	5.4	15.21	5.4	1401248	LU 17	1485037	1865528	0.096						Si
290	7.6	5.4	15.21	5.4	1261854	LU 17	1382050	1865528	0.096						Si
325	7.6	5.4	15.21	5.4	1079672	LU 17	1236274	1865528	0.096						Si
359	7.6	5.4	15.21	5.4	854701	LU 17	1047709	1865528	0.096						Si
393	7.6	5.4	15.21	5.4	586942	LU 17	816355	1865528	0.096						Si
410	11.29	5.4	15.21	5.4	437016	LU 17	684632	1865060	0.093						Si
444	14.51	5.4	13.1	5.4	105073	LU 17	389095	1615520	0.088	14843	LU 2	-262327	-1782281	0.09	Si
478	15.21	5.4	14.31	5.4	-198767	LU 4	50770	1758384	0.089	-315673	LU 11	-389380	-1864821	0.091	Si
485	15.21	5.4	15.21	5.4						-389380	LU 11	-389380	-1864772	0.091	Si
513	15.21	5.4	15.21	5.4						-720682	LU 16	-546252	-1864772	0.091	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	6034	LU 15	6034	11113	68363	0	11113	1	Si
15	0.072	15.21	0	5485	LU 15	5485	11113	68363	8336	11113	1	Si
34	0.072	15.21	0	4782	LU 15	4782	11113	68363	8336	11113	1	Si
68	0.072	15.21	0	3530	LU 15	3530	11113	68363	8336	11113	1	Si
103	0.094	15.21	0	2277	LU 15	2277	11113	68363	10964	11113	1	Si
137	0.094	15.21	0	1067	LU 10	1067	11113	68363	10964	11113	1	Si
154	0.094	15.21	0	477	LU 10	477	11113	68363	10964	11113	1	Si
188	0.094	15.21	0	-980	LU 18	-980	-11113	-68363	-10964	-11113	1	Si
222	0.094	15.21	0	-2233	LU 18	-2233	-11113	-68363	-10964	-11113	1	Si
256	0.094	15.21	0	-3485	LU 18	-3485	-11113	-68363	-10964	-11113	1	Si
290	0.094	15.21	0	-4737	LU 18	-4737	-11113	-68363	-10964	-11113	1	Si
325	0.094	15.21	0	-5990	LU 18	-5990	-11113	-68363	-10964	-11113	1	Si
359	0.094	15.21	0	-7242	LU 18	-7242	-11113	-68363	-10964	-11113	1	Si
393	0.094	15.21	0	-8494	LU 18	-8494	-11113	-68363	-10964	-11113	1	Si
410	0.094	14.31	0	-9121	LU 18	-9121	-10890	-68363	-10964	-10964	1	Si
444	0.115	15.21	0	-10373	LU 18	-10373	-11113	-68363	-13338	-13338	1	Si
478	0.115	11.29	0	-11625	LU 18	-11625	-10062	-68363	-13338	-13338	1	Si
485	0.115	12.9	0	-11870	LU 18	-11870	-10520	-68363	-13338	-13338	1	Si
513	0	14.51	0	-12820	LU 18	-12820	-10940	-68363	0	-10940	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	815050	8	815050	25.6	124.5	915.8	1837	698858	1	698858	21.9	93.4	0	+∞	Si
15	879749	8	987506	31	124.5	1109.6	1837	762150	1	868092	27.2	93.4	0	+∞	Si
34	954255	8	1046129	33.6	124.5	1177.5	1837	835281	1	926160	29.8	93.4	0	+∞	Si
68	1060805	8	1124895	39.3	124.5	1274.9	1837	940736	1	1005266	35.2	93.4	0	+∞	Si
103	1134700	8	1171006	41	124.5	1327.2	1837	1015222	1	1053402	36.8	93.4	0	+∞	Si
137	1175940	8	1184462	41.4	124.5	1341.8	1837	1058739	1	1070570	37.4	93.4	0	+∞	Si
154	1184314	8	1184525	41.4	124.5	1342.5	1837	1068884	1	1071287	37.5	93.4	0	+∞	Si
188	1176571	8	1184525	41.4	124.5	1342.5	1837	1065947	1	1071287	37.5	93.4	0	+∞	Si
222	1136174	8	1171763	41	124.5	1328	1837	1032042	1	1062044	37.1	93.4	0	+∞	Si
256	1063121	8	1126494	39.4	124.5	1276.7	1837	967168	1	1023520	35.8	93.4	0	+∞	Si
290	957413	8	1048570	36.7	124.5	1188.4	1837	871325	1	954026	33.4	93.4	0	+∞	Si
325	819050	8	937991	32.8	124.5	1063.1	1837	744513	1	853563	29.9	93.4	0	+∞	Si
359	648032	8	794757	27.8	124.5	900.8	1837	586732	1	722132	25.3	93.4	0	+∞	Si
393	444359	8	618868	21.6	124.5	701.4	1837	397983	1	559731	19.6	93.4	0	+∞	Si
410	330277	8	518677	17.2	124.5	585.1	1837	291995	1	466918	15.5	93.4	0	+∞	Si
444	77621	8	293806	9.8	124.5	381.4	1837	56792	1	258064	8.6	93.4	0	+∞	Si
478	-238366	2	-295033	9.4	124.5	331.8	1837	-218076	2	-274604	8.7	93.4	0	+∞	Si
485	-295033	2	-295033	9.3	124.5	331.5	1837	-274604	2	-274604	8.6	93.4	0	+∞	Si
513	-547985	7	-415052	13	124.5	466.4	1837	-515484	2	-390508	12.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
34	inferiore	41.2	0.00034	0.0141	8	41.2	0.00031	0.0127	3	41.2	0.0003	0.0125	1	Si
68	inferiore	41.2	0.00037	0.0153	8	41.2	0.00034	0.0139	3	41.2	0.00033	0.0137	1	Si
103	inferiore	41.2	0.00039	0.0159	8	41.2	0.00036	0.0149	3	41.2	0.00036	0.0147	1	Si
137	inferiore	41.2	0.00039	0.0161	8	41.2	0.00037	0.0153	3	41.2	0.00037	0.0151	1	Si
154	inferiore	41.2	0.00039	0.0161	8	41.2	0.00037	0.0153	3	41.2	0.00037	0.0151	1	Si
188	inferiore	41.2	0.00039	0.0161	8	41.2	0.00037	0.0153	3	41.2	0.00037	0.0151	1	Si
222	inferiore	41.2	0.00039	0.0159	8	41.2	0.00037	0.0151	3	41.2	0.00036	0.0149	1	Si
256	inferiore	41.2	0.00037	0.0153	8	41.2	0.00035	0.0142	3	41.2	0.00034	0.014	1	Si
290	inferiore	41.2	0.00035	0.0143	8	41.2	0.00032	0.0131	3	41.2	0.00031	0.013	1	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.011	0.01	0.012	0.009	0.01	0.01	0.01	0.009	0.01	0.01	0.027	1	0.026	1	9999	Si
34	0.025	0.022	0.026	0.02	0.023	0.022	0.021	0.02	0.023	0.022	0.059	1	0.058	1	8638	Si
68	0.047	0.041	0.049	0.037	0.043	0.042	0.04	0.038	0.042	0.042	0.113	1	0.11	1	4550	Si
103	0.065	0.057	0.068	0.052	0.059	0.058	0.055	0.053	0.058	0.058	0.158	1	0.155	1	3244	Si
137	0.078	0.069	0.082	0.063	0.071	0.07	0.067	0.065	0.071	0.07	0.193	1	0.188	1	2661	Si
154	0.084	0.074	0.088	0.068	0.076	0.075	0.072	0.069	0.075	0.075	0.206	1	0.201	1	2493	Si
188	0.091	0.08	0.095	0.073	0.083	0.081	0.078	0.075	0.082	0.082	0.223	1	0.217	1	2302	Si
222	0.094	0.083	0.097	0.075	0.086	0.084	0.08	0.077	0.085	0.084	0.228	1	0.222	1	2247	Si
256	0.093	0.082	0.095	0.074	0.085	0.083	0.079	0.076	0.084	0.083	0.222	1	0.215	1	2306	Si
290	0.088	0.078	0.089	0.07	0.08	0.079	0.074	0.071	0.08	0.079	0.207	1	0.201	1	2475	Si
325	0.08	0.07	0.08	0.063	0.073	0.071	0.067	0.064	0.072	0.072	0.185	1	0.18	1	2769	Si
359	0.069	0.06	0.068	0.054	0.062	0.061	0.057	0.055	0.062	0.061	0.157	1	0.153	1	3257	Si
393	0.055	0.048	0.054	0.043	0.05	0.049	0.045	0.044	0.05	0.049	0.125	1	0.121	1	4096	Si
410	0.047	0.041	0.047	0.037	0.043	0.042	0.039	0.038	0.043	0.042	0.108	1	0.105	1	4757	Si
444	0.031	0.027	0.031	0.024	0.029	0.028	0.026	0.025	0.028	0.028	0.072	1	0.069	1	7159	Si
478	0.015	0.013	0.015	0.012	0.014	0.013	0.013	0.012	0.014	0.014	0.035	1	0.034	1	9999	Si
485	0.012	0.01	0.012	0.009	0.011	0.011	0.01	0.01	0.011	0.011	0.028	1	0.027	1	9999	Si

Trave a "Piano 2" 61-63

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 61 - 62, sezione R 40x70, asta 1206

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	615	LU 8	615	1864772	0.091	-129249	LU 11	-54718	-1864772	0.091	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
20	15.21	5.4	15.21	5.4	114382	LU 17	286156	1864772	0.091						Si
23	15.21	5.4	15.21	5.4	134060	LU 17	302091	1864772	0.091						Si
46	14.96	5.4	15.21	5.4	270060	LU 17	414007	1864783	0.091						Si
69	12.8	5.4	15.21	5.4	386994	LU 17	508683	1864925	0.092						Si
92	10.63	5.4	15.21	5.4	485039	LU 18	588735	1865184	0.093						Si
104	7.6	5.4	15.21	5.4	529957	LU 18	621612	1865528	0.096						Si
127	7.6	5.4	15.21	5.4	605494	LU 18	673066	1865528	0.096						Si
150	7.6	5.4	15.21	5.4	661966	LU 18	705454	1865528	0.096						Si
173	7.6	5.4	15.21	5.4	699372	LU 18	718776	1865528	0.096						Si
196	7.6	5.4	12.11	5.4	717712	LU 18	719733	1498969	0.088						Si
207	7.6	5.4	7.6	5.4	719733	LU 18	719733	962923	0.078						Si
219	7.6	5.4	7.6	5.4	716987	LU 18	719733	962923	0.078						Si
242	7.6	5.4	7.6	5.4	697196	LU 18	718432	962923	0.078						Si
253	7.6	5.4	7.6	5.4	683107	LU 12	713429	962923	0.078						Si
276	7.6	5.4	10.63	5.4	649009	LU 11	689191	1323083	0.085						Si
299	7.6	5.4	11.4	5.4	597231	LU 11	659095	1414576	0.086						Si
322	7.6	5.4	11.4	5.4	527509	LU 11	612040	1414576	0.086						Si
325	7.6	5.4	11.4	5.4	516619	LU 11	604673	1414576	0.086						Si
345	7.6	5.4	11.4	5.4	439844	LU 11	439844	1414576	0.086						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	12.8	0	7538	LU 16	7538	10492	68363	0	10492	1	Si
20	0.129	15.21	0	6824	LU 16	6824	11113	68363	15005	15005	1	Si
23	0.129	15.21	0	6717	LU 11	6717	11113	68363	15005	15005	1	Si
46	0.129	15.21	0	5937	LU 11	5937	11113	68363	15005	15005	1	Si
69	0.129	15.21	0	5157	LU 11	5157	11113	68363	15005	15005	1	Si
92	0.116	15.21	0	4378	LU 11	4378	11113	68363	13423	13423	1	Si
104	0.116	15.21	0	3988	LU 11	3988	11113	68363	13423	13423	1	Si
127	0.116	12.11	0	3208	LU 11	3208	10303	68363	13423	13423	1	Si
150	0.116	7.6	0	2428	LU 11	2428	8821	68363	13423	13423	1	Si
173	0.116	7.6	0	1649	LU 11	1649	8821	68363	13423	13423	1	Si
196	0.116	9.86	0	869	LU 11	869	9619	68363	13423	13423	1	Si
196	0.116	9.86	0	0	LU 8	0	-9619	-68363	-13423	-13423	1	Si
219	0.116	11.4	0	158	LU 2	158	10097	68363	13423	13423	1	Si
219	0.116	11.4	0	-718	LU 17	-718	-10097	-68363	-13423	-13423	1	Si
242	0.116	11.4	0	-1547	LU 17	-1547	-10097	-68363	-13423	-13423	1	Si
253	0.116	11.4	0	-1961	LU 17	-1961	-10097	-68363	-13423	-13423	1	Si
276	0.115	7.6	0	-2789	LU 17	-2789	-8821	-68363	-13338	-13338	1	Si
299	0.115	7.6	0	-3618	LU 17	-3618	-8821	-68363	-13338	-13338	1	Si
322	0.115	7.6	0	-4446	LU 17	-4446	-8821	-68363	-13338	-13338	1	Si
325	0.115	9.86	0	-4555	LU 17	-4555	-9619	-68363	-13338	-13338	1	Si
345	0	10.63	0	-5275	LU 17	-5275	-9864	-68363	0	-9864	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-95775	2	-38843	1.2	124.5	43.6	1837	-79179	2	-24063	0.8	93.4	0	+∞	Si
20	80485	8	212704	6.7	124.5	239	1837	31731	1	164496	5.2	93.4	0	+∞	Si
23	95620	8	224981	7.1	124.5	252.8	1837	46849	1	176903	5.5	93.4	0	+∞	Si
46	200301	8	311282	9.8	124.5	349.8	1837	151962	1	264581	8.3	93.4	0	+∞	Si
69	290432	8	384250	12.5	124.5	432.8	1837	243273	1	338978	11	93.4	0	+∞	Si
92	366130	9	445627	14.9	124.5	503.1	1837	320831	2	400841	13.4	93.4	0	+∞	Si
104	400552	9	470860	16.5	124.5	533.7	1837	355305	2	426596	14.9	93.4	0	+∞	Si
127	458485	9	510411	17.9	124.5	578.5	1837	413899	2	467755	16.4	93.4	0	+∞	Si
150	501866	9	535412	18.7	124.5	606.8	1837	458691	2	495111	17.3	93.4	0	+∞	Si
173	530696	9	545862	19.1	124.5	618.7	1837	489680	2	508665	17.8	93.4	0	+∞	Si
196	544976	9	546659	20.7	124.5	770.5	1837	506866	2	510283	19.3	93.4	0	+∞	Si
219	544705	9	546659	14.2	124.5	213.7	1837	510249	2	510283	22.9	93.4	0	+∞	Si
242	529883	9	545733	14.2	124.5	213.3	1837	499830	2	510267	22.9	93.4	0	+∞	Si
253	518986	3	542056	14.1	124.5	211.9	1837	489444	2	508599	22.8	93.4	0	+∞	Si
276	491866	2	523834	20.7	124.5	837.2	1837	458321	2	494911	19.6	93.4	0	+∞	Si
299	451118	2	499866	19.3	124.5	746.8	1837	413395	2	467421	18.1	93.4	0	+∞	Si
322	396567	2	462751	17.9	124.5	691.3	1837	354666	2	426127	16.5	93.4	0	+∞	Si
325	388070	2	456964	17.7	124.5	682.7	1837	345621	2	419793	16.2	93.4	0	+∞	Si
345	328214	2	328214	12.7	124.5	490.4	1837	282134	2	282134	10.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
23	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
46	0.008	0.008	0.007	0.006	0.008	0.008	0.007	0.006	0.008	0.008	0.016	2	0.016	2	9999	Si
69	0.012	0.011	0.01	0.009	0.011	0.011	0.01	0.009	0.011	0.011	0.023	2	0.023	2	9999	Si
92	0.016	0.014	0.013	0.012	0.014	0.014	0.012	0.012	0.014	0.014	0.03	2	0.03	2	9999	Si
104	0.017	0.015	0.015	0.013	0.016	0.015	0.013	0.013	0.016	0.015	0.033	2	0.033	2	9999	Si
127	0.02	0.018	0.017	0.015	0.018	0.018	0.015	0.015	0.018	0.018	0.038	2	0.037	2	9101	Si
150	0.021	0.019	0.018	0.016	0.02	0.019	0.017	0.016	0.019	0.019	0.041	2	0.041	2	8339	Si
173	0.022	0.02	0.019	0.017	0.02	0.02	0.017	0.017	0.02	0.02	0.043	2	0.043	2	7980	Si
184	0.022	0.02	0.019	0.017	0.02	0.02	0.018	0.017	0.02	0.02	0.044	2	0.043	2	7927	Si
196	0.022	0.02	0.019	0.017	0.02	0.02	0.017	0.017	0.02	0.02	0.043	2	0.043	2	7956	Si
219	0.021	0.019	0.018	0.016	0.019	0.019	0.017	0.016	0.019	0.019	0.042	2	0.041	2	8285	Si
242	0.019	0.017	0.016	0.015	0.018	0.017	0.015	0.015	0.017	0.017	0.038	2	0.037	2	9087	Si
253	0.017	0.016	0.015	0.014	0.016	0.016	0.014	0.014	0.016	0.016	0.035	2	0.035	2	9744	Si
276	0.014	0.013	0.012	0.011	0.013	0.013	0.012	0.011	0.013	0.013	0.029	2	0.028	2	9999	Si
299	0.01	0.009	0.009	0.008	0.01	0.009	0.008	0.008	0.009	0.009	0.021	2	0.02	2	9999	Si
322	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
325	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si

Campata 2 tra i fili 62 - 62A, sezione R 40x70, asta 1207

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	395789	LU 11	395789	1414576	0.086						Si
17	7.6	5.4	11.4	5.4	400660	LU 11	400500	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	400228	LU 11	400228	1414576	0.086						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
34	7.6	5.4	11.4	5.4	395547	LU 11	400228	1413591	0.086						Si
51	7.6	5.4	10.24	5.4	380449	LU 11	399858	1276318	0.084						Si
69	7.6	5.4	7.6	5.4	355366	LU 11	391683	962923	0.078						Si
77	7.6	5.4	7.6	5.4	339080	LU 11	383851	962923	0.078						Si
94	7.6	5.4	7.6	5.4	299021	LU 11	360700	962923	0.078						Si
112	7.6	5.4	7.6	5.4	248977	LU 11	327563	962923	0.078						Si
129	7.6	5.4	7.6	5.4	193330	LU 16	284442	962923	0.078						Si
146	7.6	5.4	7.6	5.4	137551	LU 17	231337	962923	0.078	89350	LU 2	-24756	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	74012	LU 17	175066	962923	0.078	24764	LU 2	-119598	-962923	0.078	Si
180	11.91	5.4	7.6	5.4	3409	LU 8	118883	963421	0.08	-51047	LU 11	-226489	-1474573	0.088	Si
197	13.53	5.4	7.6	5.4	-61327	LU 8	52091	963535	0.08	-151014	LU 11	-343364	-1666595	0.092	Si
206	14.34	5.4	7.6	5.4	-96810	LU 8	14724	963586	0.08	-204742	LU 11	-405546	-1762548	0.094	Si
223	15.21	5.4	7.6	5.4						-319686	LU 11	-423584	-1865528	0.096	Si
237	15.21	5.4	7.6	5.4						-423584	LU 11	-423584	-1865528	0.096	Si
240	15.21	5.4	7.6	5.4						-444615	LU 11	-443255	-1865528	0.096	Si
257	15.21	5.4	7.6	5.4						-579529	LU 11	-498306	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1861	LU 17	1861	8821	68363	0	8821	1	Si
17	0	7.6	0	1243	LU 17	1243	8821	68363	0	8821	1	Si
17	0	7.6	0	-183	LU 2	-183	-8821	-68363	0	-8821	1	Si
20	0.101	7.6	0	1141	LU 17	1141	8821	68363	11671	11671	1	Si
20	0.101	7.6	0	-257	LU 2	-257	-8821	-68363	-11671	-11671	1	Si
34	0.101	7.6	0	625	LU 17	625	8821	68363	11671	11671	1	Si
34	0.101	7.6	0	-630	LU 2	-630	-8821	-68363	-11671	-11671	1	Si
51	0.101	7.6	0	99	LU 8	99	8821	68363	11671	11671	1	Si
51	0.101	7.6	0	-1170	LU 11	-1170	-8821	-68363	-11671	-11671	1	Si
69	0.101	7.6	0	-1752	LU 11	-1752	-8821	-68363	-11671	-11671	1	Si
77	0.101	7.6	0	-2043	LU 11	-2043	-8821	-68363	-11671	-11671	1	Si
94	0.13	7.6	0	-2624	LU 11	-2624	-8821	-68363	-15059	-15059	1	Si
112	0.13	7.6	0	-3206	LU 11	-3206	-8821	-68363	-15059	-15059	1	Si
129	0.13	7.6	0	-3788	LU 11	-3788	-8821	-68363	-15059	-15059	1	Si
146	0.13	7.6	0	-4369	LU 11	-4369	-8821	-68363	-15059	-15059	1	Si
163	0.13	7.6	0	-4951	LU 11	-4951	-8821	-68363	-15059	-15059	1	Si
180	0.144	7.6	0	-5533	LU 11	-5533	-8821	-68363	-16673	-16673	1	Si
197	0.144	7.6	0	-6114	LU 11	-6114	-8821	-68363	-16673	-16673	1	Si
206	0.144	7.6	0	-6405	LU 11	-6405	-8821	-68363	-16673	-16673	1	Si
223	0.144	7.6	0	-6987	LU 11	-6987	-8821	-68363	-16673	-16673	1	Si
237	0.144	11.1	0	-7472	LU 11	-7472	-10006	-68363	-16673	-16673	1	Si
240	0	11.1	0	-7568	LU 11	-7568	-10006	-68363	0	-10006	1	Si
257	0	12.72	0	-8150	LU 11	-8150	-10471	-68363	0	-10471	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	293887	2	293887	11.4	124.5	439.1	1837	245810	2	245810	9.5	93.4	0	+∞	Si
17	298989	2	298881	11.5	124.5	446.5	1837	257077	2	257041	9.9	93.4	0	+∞	Si
20	298880	2	298880	11.5	124.5	446.5	1837	257985	2	260663	10.1	93.4	0	+∞	Si
34	296410	2	298880	11.5	124.5	446.8	1837	260663	2	260663	10.1	93.4	0	+∞	Si
51	286151	2	298787	12	124.5	495.2	1837	256569	2	260663	10.5	93.4	0	+∞	Si
69	268212	2	293853	7.7	124.5	114.9	1837	244794	2	259996	11.7	93.4	0	+∞	Si
77	256362	2	288507	7.5	124.5	112.8	1837	236026	2	257732	11.6	93.4	0	+∞	Si
94	226902	2	272052	7.1	124.5	106.3	1837	212731	2	247442	11.1	93.4	0	+∞	Si
112	189761	2	247918	6.5	124.5	96.9	1837	181755	2	229473	10.3	93.4	0	+∞	Si
129	147861	7	216103	5.6	124.5	84.5	1837	143098	2	203822	9.1	93.4	0	+∞	Si
146	104849	8	176607	4.6	124.5	69	1837	98614	1	170491	7.6	93.4	0	+∞	Si
163	55640	8	133977	3.5	124.5	51.8	1837	47239	1	129501	5.8	93.4	0	+∞	Si
180	-35607	2	-168268	6.4	124.5	241.1	1837	-18954	2	-141176	5.4	93.4	0	+∞	Si
197	-111150	2	-256817	9.3	124.5	325.6	1837	-88332	2	-223560	8.1	93.4	0	+∞	Si
206	-151801	2	-303972	10.8	124.5	364.5	1837	-125901	2	-267632	9.5	93.4	0	+∞	Si
223	-238865	2	-317655	11.1	124.5	360	1837	-206800	2	-280443	9.8	93.4	0	+∞	Si
237	-317655	2	-317655	11.1	124.5	360	1837	-280443	2	-280443	9.8	93.4	0	+∞	Si
240	-333609	2	-332579	11.6	124.5	376.9	1837	-295380	2	-294422	10.3	93.4	0	+∞	Si
257	-436034	2	-374345	13.1	124.5	424.3	1837	-391640	2	-333541	11.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
20	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
34	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
51	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
69	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
77	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.007	2	9999	Si
94	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
112	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
129	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
146	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
163	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
180	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	1	0.003	1	9999	Si
197	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
206	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	1	0.001	1	9999	Si
223	0	0	0	0	0	0	0	0	0	0	0.001	1	0	1	9999	Si
237	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
240	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Campata 3 tra i fili 62A - 62B, sezione R 40x70, asta 1208

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-452060	LU 11	-436799	-1865528	0.096	Si
14	15.21	5.4	7.6	5.4						-433873	LU 11	-432592	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-428214	LU 11	-428214	-1865528	0.096	Si
28	15.21	5.4	7.6	5.4						-422328	LU 11	-428214	-1865528	0.096	Si
42	15.21	5.4	7.6	5.4						-417423	LU 11	-428555	-1865528	0.096	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
56	15.21	5.4	7.6	5.4	-253486	LU 4	16398	963633	0.08	-419158	LU 11	-444080	-1865528	0.096	Si
63	15.21	5.4	7.6	5.4	-257880	LU 4	33597	963633	0.08	-422516	LU 11	-454333	-1865528	0.096	Si
77	15.21	5.4	7.6	5.4	-270498	LU 4	60057	963633	0.08	-434213	LU 11	-481071	-1865528	0.096	Si
91	15.21	5.4	7.6	5.4	-288226	LU 4	75933	963633	0.08	-452550	LU 11	-514724	-1865528	0.096	Si
105	15.21	5.4	7.6	5.4	-308789	LU 1	81225	963633	0.08	-478664	LU 12	-555017	-1865528	0.096	Si
119	15.21	5.4	7.6	5.4	-333680	LU 1	75933	963633	0.08	-511810	LU 12	-601951	-1865528	0.096	Si
133	15.21	5.4	7.6	5.4	-363680	LU 1	60057	963633	0.08	-551596	LU 12	-655526	-1865528	0.096	Si
140	15.21	5.4	7.6	5.4	-380595	LU 1	48150	963633	0.08	-573979	LU 12	-684804	-1865528	0.096	Si
147	18.75	5.4	7.6	5.4	-398787	LU 1	33597	963787	0.081	-598022	LU 12	-716677	-2285484	0.106	Si
161	20.07	5.4	7.6	5.4						-651090	LU 12	-788399	-2441285	0.11	Si
168	20.73	5.4	7.6	5.4						-680114	LU 12	-788399	-2519114	0.112	Si
182	22.05	5.4	7.6	5.4						-746243	LU 18	-788399	-2674280	0.119	Si
190	22.81	5.4	7.6	5.4						-788399	LU 18	-788399	-2762053	0.125	Si
196	22.81	5.4	7.6	5.4						-821339	LU 18	-815939	-2762053	0.125	Si
210	22.81	5.4	7.6	5.4						-903490	LU 18	-842398	-2762053	0.125	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	1549	LU 16	1549	11113	68363	0	11113	1	Si
14	0	15.21	0	1062	LU 11	1062	11113	68363	0	11113	1	Si
20	0.136	15.21	0	859	LU 11	859	11113	68363	15790	15790	1	Si
28	0.136	15.21	0	588	LU 11	588	11113	68363	15790	15790	1	Si
42	0.136	15.21	0	113	LU 11	113	11113	68363	15790	15790	1	Si
42	0.136	15.21	0	-172	LU 4	-172	-11113	-68363	-15790	-15790	1	Si
56	0.136	15.21	0	-632	LU 13	-632	-11113	-68363	-15790	-15790	1	Si
63	0.136	15.21	0	-869	LU 13	-869	-11113	-68363	-15790	-15790	1	Si
77	0.136	15.21	0	-1369	LU 17	-1369	-11113	-68363	-15790	-15790	1	Si
91	0.136	15.21	0	-1873	LU 17	-1873	-11113	-68363	-15790	-15790	1	Si
105	0.136	15.21	0	-2377	LU 17	-2377	-11113	-68363	-15790	-15790	1	Si
119	0.136	15.21	0	-2881	LU 17	-2881	-11113	-68363	-15790	-15790	1	Si
133	0.136	15.21	0	-3385	LU 17	-3385	-11113	-68363	-15790	-15790	1	Si
147	0.136	15.21	0	-3889	LU 17	-3889	-11113	-68363	-15790	-15790	1	Si
161	0.136	15.21	0	-4393	LU 17	-4393	-11113	-68363	-15790	-15790	1	Si
168	0.136	15.21	0	-4645	LU 17	-4645	-11113	-68363	-15790	-15790	1	Si
182	0.136	15.21	0	-5149	LU 17	-5149	-11113	-68363	-15790	-15790	1	Si
190	0.136	15.21	0	-5437	LU 17	-5437	-11113	-68363	-15790	-15790	1	Si
196	0	15.21	0	-5653	LU 17	-5653	-11113	-68363	0	-11113	1	Si
203	0	15.21	0	-5905	LU 17	-5905	-11113	-68363	0	-11113	1	Si
210	0	18.75	0	-6157	LU 17	-6157	-11918	-68363	0	-11918	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-339364	2	-327680	11.5	124.5	371.4	1837	-301262	2	-289824	10.1	93.4	0	+∞	Si
14	-325450	2	-324470	11.3	124.5	367.7	1837	-287693	2	-286735	10	93.4	0	+∞	Si
20	-321129	2	-321129	11.2	124.5	364	1837	-283520	2	-283520	9.9	93.4	0	+∞	Si
28	-316645	2	-321129	11.2	124.5	364	1837	-279233	2	-283520	9.9	93.4	0	+∞	Si
42	-312948	2	-321669	11.3	124.5	364.6	1837	-275880	2	-285318	10	93.4	0	+∞	Si
56	-314359	2	-333687	11.7	124.5	378.2	1837	-277636	2	-297681	10.4	93.4	0	+∞	Si
63	-316980	2	-341611	11.9	124.5	387.2	1837	-280430	2	-305778	10.7	93.4	0	+∞	Si
77	-326053	2	-362126	12.7	124.5	410.4	1837	-289848	2	-325803	11.4	93.4	0	+∞	Si
91	-340235	2	-387932	13.6	124.5	439.7	1837	-304375	2	-350937	12.3	93.4	0	+∞	Si
105	-360282	3	-418847	14.6	124.5	474.7	1837	-324010	2	-381179	13.3	93.4	0	+∞	Si
119	-385697	3	-454869	15.9	124.5	515.5	1837	-348753	2	-416529	14.6	93.4	0	+∞	Si
133	-416221	3	-496000	17.3	124.5	562.2	1837	-378604	2	-456987	16	93.4	0	+∞	Si
147	-451853	3	-542862	17.7	124.5	503.5	1837	-413564	2	-502554	16.4	93.4	0	+∞	Si
161	-492594	3	-597417	19.1	124.5	519.3	1837	-453632	2	-552958	17.7	93.4	0	+∞	Si
168	-514879	3	-597417	18.9	124.5	503.6	1837	-475581	2	-552958	17.5	93.4	0	+∞	Si
182	-565350	9	-597417	18.5	124.5	474.8	1837	-523312	2	-552958	17.1	93.4	0	+∞	Si
190	-597417	9	-597417	18.3	124.5	459.9	1837	-552958	2	-552958	17	93.4	0	+∞	Si
196	-622478	9	-618368	19	124.5	476	1837	-576150	2	-572339	17.6	93.4	0	+∞	Si
210	-684991	9	-638498	19.6	124.5	491.5	1837	-634097	2	-590960	18.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
14	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
20	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
28	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
42	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
56	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
63	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si
77	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
91	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.012	1	9999	Si
105	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.013	1	9999	Si
112	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.013	1	9999	Si
119	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.013	1	9999	Si
133	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.012	1	9999	Si
147	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
161	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
168	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
182	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
190	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
196	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si

Campata 4 tra i fili 62B - 63, sezione R 40x70, asta 1209

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	7.6	5.4						-1111145	LU 18	-1004922	-2762053	0.125	Si
20	22.81	5.4	7.6	5.4						-906690	LU 12	-906690	-2762053	0.125	Si
40	20.92	5.4	7.6	5.4						-722364	LU 12	-906690	-2541342	0.113	Si
60	17.37	5.4	7.6	5.4						-551590	LU 12	-804419	-2121513	0.102	Si
80	11.65	5.4	7.6	5.4	-248573	LU 1	46399	963399	0.08	-394369	LU 12	-627499	-1443808	0.087	Si
90	10.71	5.4	7.6	5.4	-195541	LU 6	80487	963315	0.079	-320841	LU 12	-544122	-1331855	0.085	Si
100	7.6	5.4	7.6	5.4	-143166	LU 6	109174	962923	0.078	-250701	LU 12	-464132	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
110	7.6	5.4	7.6	5.4	-93610	LU 6	132462	962923	0.078	-183949	LU 12	-387531	-962923	0.078	Si
130	7.6	5.4	7.6	5.4	-2110	LU 8	162837	962923	0.078	-61449	LU 11	-244493	-962923	0.078	Si
150	7.6	5.4	7.6	5.4	96471	LU 17	221568	962923	0.078	29143	LU 2	-115007	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	185907	LU 17	290074	962923	0.078	104056	LU 2	-8375	-962923	0.078	Si
190	7.6	5.4	13.26	5.4	260943	LU 17	351890	1634713	0.091						Si
210	7.6	5.4	15.21	5.4	325747	LU 18	399407	1865528	0.096						Si
230	7.6	5.4	13.33	5.4	379794	LU 18	432523	1642710	0.091						Si
240	7.6	5.4	15.21	5.4	401418	LU 18	443681	1865528	0.096						Si
260	7.6	5.4	13.52	5.4	433865	LU 18	446494	1665933	0.092						Si
273	7.6	5.4	15.21	5.4	446494	LU 18	446494	1865528	0.096						Si
280	7.6	5.4	15.21	5.4	451912	LU 18	451756	1865528	0.096						Si
300	7.6	5.4	15.21	5.4	455635	LU 18	455635	1865528	0.096						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	17.37	0	10622	LU 18	10622	11617	68363	0	11617	1	Si
10	0	12.59	0	10262	LU 18	10262	10436	68363	0	10436	1	Si
20	0.144	11.65	0	9902	LU 18	9902	10169	68363	16673	16673	1	Si
40	0.144	7.6	0	9182	LU 18	9182	8821	68363	16673	16673	1	Si
60	0.144	7.6	0	8462	LU 18	8462	8821	68363	16673	16673	1	Si
80	0.144	7.6	0	7742	LU 18	7742	8821	68363	16673	16673	1	Si
90	0.144	7.6	0	7382	LU 18	7382	8821	68363	16673	16673	1	Si
110	0.125	7.6	0	6662	LU 18	6662	8821	68363	14524	14524	1	Si
130	0.125	7.6	0	5942	LU 18	5942	8821	68363	14524	14524	1	Si
150	0.125	7.6	0	5222	LU 18	5222	8821	68363	14524	14524	1	Si
170	0.125	7.6	0	4502	LU 18	4502	8821	68363	14524	14524	1	Si
190	0.125	7.6	0	3795	LU 12	3795	8821	68363	14524	14524	1	Si
210	0.101	7.6	0	3118	LU 12	3118	8821	68363	11671	11671	1	Si
230	0.101	7.6	0	2440	LU 12	2440	8821	68363	11671	11671	1	Si
240	0.101	11.91	0	2101	LU 12	2101	10245	68363	11671	11671	1	Si
260	0.101	14.61	0	1424	LU 12	1424	10965	68363	11671	11671	1	Si
273	0.101	15.21	0	1000	LU 12	1000	11113	68363	11671	11671	1	Si
280	0	14.67	0	746	LU 12	746	10982	68363	0	10982	1	Si
300	0	15.21	0	252	LU 3	252	11113	68363	0	11113	1	Si
300	0	15.21	0	-614	LU 15	-614	-11113	-68363	0	-11113	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-841269	9	-760643	23.3	124.5	585.6	1837	-776032	2	-701339	21.5	93.4	0	+∞	Si
20	-686040	3	-686040	21.1	124.5	528.1	1837	-631859	2	-631859	19.4	93.4	0	+∞	Si
40	-545620	3	-686040	21.6	124.5	573.3	1837	-498110	2	-631859	19.9	93.4	0	+∞	Si
60	-415626	3	-608118	20.4	124.5	606.9	1837	-374787	2	-557583	18.7	93.4	0	+∞	Si
80	-296056	3	-473396	18.2	124.5	692.9	1837	-261888	2	-429532	16.5	93.4	0	+∞	Si
90	-240181	3	-409944	16.2	124.5	650.8	1837	-209348	2	-369416	14.6	93.4	0	+∞	Si
110	-136249	3	-290860	7.6	124.5	113.7	1837	-112087	2	-257002	11.5	93.4	0	+∞	Si
130	-43302	2	-182200	4.7	124.5	71.2	1837	-25251	2	-155013	7	93.4	0	+∞	Si
150	71869	8	167150	4.4	124.5	65.3	1837	56664	1	145785	6.5	93.4	0	+∞	Si
170	139994	8	219301	5.7	124.5	85.7	1837	120418	1	194387	8.7	93.4	0	+∞	Si
190	197128	8	265602	9.7	124.5	343.3	1837	173747	1	234766	8.6	93.4	0	+∞	Si
210	246052	9	300980	10.5	124.5	341.1	1837	217843	2	264749	9.3	93.4	0	+∞	Si
230	286414	9	325368	11.9	124.5	418.5	1837	252554	2	284308	10.4	93.4	0	+∞	Si
240	302473	9	333440	11.7	124.5	377.9	1837	266000	2	290177	10.1	93.4	0	+∞	Si
260	326350	9	335435	12.2	124.5	425.4	1837	285073	2	291456	10.6	93.4	0	+∞	Si
273	335435	9	335435	11.7	124.5	380.2	1837	291456	2	291456	10.2	93.4	0	+∞	Si
280	339237	9	339163	11.9	124.5	384.4	1837	293722	2	293722	10.3	93.4	0	+∞	Si
300	341192	9	341192	11.9	124.5	386.7	1837	292000	2	292000	10.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
40	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
60	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
80	-0.001	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
90	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.004	1	-0.005	1	9999	Si
110	0	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
130	0.001	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	1	-0.002	1	9999	Si
150	0.002	0	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0	1	9999	Si
170	0.002	0.001	0.001	0	0.002	0.002	0.001	0.001	0.002	0.002	0.002	1	0.002	1	9999	Si
190	0.003	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	1	0.003	1	9999	Si
210	0.003	0.002	0.002	0.001	0.003	0.003	0.002	0.002	0.003	0.003	0.004	1	0.004	1	9999	Si
230	0.003	0.002	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	1	0.005	1	9999	Si
240	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.003	0.005	1	0.004	1	9999	Si
260	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
273	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	1	0.003	1	9999	Si
280	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si

Trave a "Piano 2" 64-66

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 64 - 65, sezione R 40x70, asta 1115

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4						-267546	LU 11	-219307	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4	-18645	LU 8	36488	1414397	0.086	-177213	LU 11	-177213	-1414397	0.086	Si
23	11.4	5.4	11.4	5.4	-11540	LU 8	40769	1414397	0.086	-164314	LU 11	-177213	-1414397	0.086	Si
46	11.23	5.4	11.4	5.4	32107	LU 8	73035	1414411	0.086	-78442	LU 11	-177213	-1393627	0.085	Si
69	10.14	5.4	10.14	5.4	65762	LU 17	91116	1264082	0.084	-14371	LU 2	-99959	-1265040	0.084	Si
80	9.6	5.4	9.36	5.4	79541	LU 17	93269	1172166	0.082	8792	LU 2	-61243	-1200686	0.083	Si
103	7.6	5.4	7.6	5.4	93269	LU 17	105634	962923	0.078	45102	LU 2	-3434	-962923	0.078	Si
126	7.6	5.4	7.6	5.4	95755	LU 18	174774	962923	0.078						Si
149	7.6	5.4	7.6	5.4	93213	LU 12	216258	962923	0.078						Si
172	7.6	5.4	7.6	5.4	83525	LU 11	230086	962923	0.078	14210	LU 8	-55680	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	56796	LU 2	216258	962923	0.078	-36190	LU 17	-139004	-962923	0.078	Si
218	7.6	5.4	7.6	5.4	26333	LU 2	174774	962923	0.078	-114649	LU 17	-240766	-962923	0.078	Si
241	7.6	5.4	7.6	5.4	-17484	LU 2	105634	962923	0.078	-211544	LU 17	-360964	-962923	0.078	Si
253	7.6	5.4	7.6	5.4	-44401	LU 2	60693	962923	0.078	-266906	LU 17	-427978	-962923	0.078	Si
276	15.23	5.4	7.6	5.4						-391458	LU 17	-575833	-1868387	0.096	Si
299	18.48	5.4	7.6	5.4						-534447	LU 17	-718732	-2253248	0.105	Si
322	19.01	5.4	7.6	5.4						-695873	LU 17	-718732	-2315301	0.107	Si
325	19.01	5.4	7.6	5.4						-718732	LU 17	-718732	-2315301	0.107	Si
345	19.01	5.4	7.6	5.4						-875737	LU 17	-793971	-2315301	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.14	0	4866	LU 11	4866	9711	68363	0	9711	1	Si
20	0.086	9.6	0	4209	LU 11	4209	9535	68363	10004	10004	1	Si
23	0.086	7.6	0	4111	LU 11	4111	8821	68363	10004	10004	1	Si
46	0.086	7.6	0	3356	LU 11	3356	8821	68363	10004	10004	1	Si
69	0.086	7.6	0	2601	LU 11	2601	8821	68363	10004	10004	1	Si
80	0.086	7.6	0	2224	LU 11	2224	8821	68363	10004	10004	1	Si
103	0.085	7.6	0	1469	LU 11	1469	8821	68363	9903	9903	1	Si
126	0.085	7.6	0	714	LU 11	714	8821	68363	9903	9903	1	Si
126	0.085	7.6	0	-612	LU 8	-612	-8821	-68363	-9903	-9903	1	Si
149	0.085	7.6	0	127	LU 2	127	8821	68363	9903	9903	1	Si
149	0.085	7.6	0	-1407	LU 17	-1407	-8821	-68363	-9903	-9903	1	Si
172	0.085	7.6	0	-2209	LU 17	-2209	-8821	-68363	-9903	-9903	1	Si
195	0.085	7.6	0	-3010	LU 17	-3010	-8821	-68363	-9903	-9903	1	Si
218	0.085	7.6	0	-3812	LU 17	-3812	-8821	-68363	-9903	-9903	1	Si
241	0.085	7.6	0	-4614	LU 17	-4614	-8821	-68363	-9903	-9903	1	Si
253	0.085	7.6	0	-5014	LU 17	-5014	-8821	-68363	-9903	-9903	1	Si
276	0.115	7.6	0	-5816	LU 17	-5816	-8821	-68363	-13338	-13338	1	Si
299	0.115	7.6	0	-6618	LU 17	-6618	-8821	-68363	-13338	-13338	1	Si
322	0.115	7.6	0	-7419	LU 17	-7419	-8821	-68363	-13338	-13338	1	Si
325	0.115	13.6	0	-7524	LU 17	-7524	-10708	-68363	-13338	-13338	1	Si
345	0	15.23	0	-8221	LU 17	-8221	-11119	-68363	0	-11119	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-197958	2	-161554	5.9	124.5	240.5	1837	-162254	2	-129052	4.7	93.4	0	+∞	Si
20	-129878	2	-129878	4.7	124.5	193.3	1837	-100577	2	-100577	3.7	93.4	0	+∞	Si
23	-120166	2	-129878	4.7	124.5	193.3	1837	-91826	2	-100577	3.7	93.4	0	+∞	Si
46	12817	8	51738	1.9	124.5	77	1837								Si
46	-55730	2	-129878	4.8	124.5	196.2	1837	-34753	2	-100577	3.7	93.4	0	+∞	Si
69	45815	8	66950	2.6	124.5	111.8	1837	14799	1	46544	1.8	93.4	0	+∞	Si
69	-4648	2	-71854	2.8	124.5	119.9	1837								Si
80	57037	8	69279	2.8	124.5	125	1837	30072	1	53378	2.1	93.4	0	+∞	Si
103	68926	8	71541	1.9	124.5	28	1837	50603	1	59918	2.7	93.4	0	+∞	Si
126	71541	9	71541	1.9	124.5	28	1837	59835	2	59993	2.7	93.4	0	+∞	Si
149	69022	3	71541	1.9	124.5	28	1837	56812	2	59993	2.7	93.4	0	+∞	Si
172	59959	2	69591	1.8	124.5	27.2	1837	40435	2	58491	2.6	93.4	0	+∞	Si
195	37591	2	63219	1.6	124.5	24.7	1837	10703	2	45639	2	93.4	0	+∞	Si
195	-24236	8	-100924	2.6	124.5	39.4	1837	-820	1	-61909	2.8	93.4	0	+∞	Si
218	1868	2	44375	1.2	124.5	17.3	1837								Si
218	-82707	8	-177181	4.6	124.5	69.3	1837	-47062	1	-125030	5.6	93.4	0	+∞	Si
241	-155251	8	-267510	7	124.5	104.6	1837	-106659	1	-201506	9	93.4	0	+∞	Si
253	-196799	8	-317952	8.3	124.5	124.3	1837	-141465	1	-244752	11	93.4	0	+∞	Si
276	-290451	8	-429390	15	124.5	485.9	1837	-221094	1	-341260	11.9	93.4	0	+∞	Si
299	-398175	8	-537234	17.6	124.5	505.3	1837	-314077	1	-435591	14.3	93.4	0	+∞	Si
322	-519971	8	-537234	17.5	124.5	492	1837	-420415	1	-435591	14.2	93.4	0	+∞	Si
325	-537234	8	-537234	17.5	124.5	492	1837	-435591	1	-435591	14.2	93.4	0	+∞	Si
345	-655839	8	-594046	19.3	124.5	544	1837	-540107	1	-485486	15.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
46	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
69	0.001	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
80	0.001	0	0	0	0.001	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
103	0.001	0	0	-0.001	0.001	0	0	0	0.001	0	-0.001	2	-0.001	2	9999	Si
126	0.001	0	0	-0.001	0.001	0	0	-0.001	0.001	0	-0.001	2	-0.001	2	9999	Si
149	0.001	0	0	-0.001	0.001	0	0	-0.001	0	0	-0.001	2	-0.002	2	9999	Si
172	0.001	-0.001	0	-0.002	0	0	-0.001	-0.001	0	0	-0.002	2	-0.003	2	9999	Si
195	0.001	-0.001	0	-0.002	0	-0.001	-0.001	-0.002	0	-0.001	-0.003	2	-0.004	2	9999	Si
218	0	-0.002	-0.001	-0.003	0	-0.001	-0.001	-0.002	-0.001	-0.001	-0.004	2	-0.005	2	9999	Si
241	0	-0.003	-0.001	-0.003	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.005	2	-0.006	2	9999	Si
253	0	-0.003	-0.001	-0.003	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.005	2	-0.006	2	9999	Si
264	-0.001	-0.003	-0.001	-0.003	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.006	2	9999	Si
276	-0.001	-0.003	-0.001	-0.003	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.006	2	9999	Si
299	-0.001	-0.003	-0.001	-0.003	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.005	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
322	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
325	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si

Campata 2 tra i fili 65 - ?, sezione R 40x70, asta 1116

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-1576115	LU 17	-1430332	-2315301	0.107	Si
17	19.01	5.4	7.6	5.4						-1332831	LU 17	-1329832	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-1291232	LU 17	-1291232	-2315301	0.107	Si
34	19.01	5.4	7.6	5.4						-1099620	LU 17	-1291232	-2315301	0.107	Si
51	19.01	5.4	7.6	5.4						-876482	LU 17	-1264470	-2315301	0.107	Si
68	19.01	5.4	7.6	5.4	-377299	LU 2	26400	963795	0.081	-663416	LU 17	-1034180	-2315301	0.107	Si
77	17.92	5.4	7.6	5.4	-310705	LU 2	51508	963755	0.081	-560660	LU 17	-922812	-2187418	0.104	Si
94	15.52	5.4	7.6	5.4	-182990	LU 2	90391	963649	0.08	-362703	LU 17	-707631	-1902908	0.097	Si
111	13.12	5.4	7.6	5.4	-62570	LU 2	155122	963508	0.08	-174819	LU 17	-502522	-1617933	0.091	Si
128	7.6	5.4	7.6	5.4	55666	LU 11	300744	962923	0.078	-2120	LU 8	-307487	-962923	0.078	Si
145	7.6	5.4	7.6	5.4	196052	LU 12	447680	962923	0.078	127983	LU 1	-122523	-962923	0.078	Si
162	7.6	5.4	7.6	5.4	344699	LU 18	584544	962923	0.078						Si
179	7.6	5.4	7.6	5.4	488714	LU 18	711335	962923	0.078						Si
187	7.6	5.4	7.6	5.4	556945	LU 18	770954	962923	0.078						Si
196	11.01	5.4	11.71	5.4	622657	LU 18	828054	1450705	0.086						Si
204	11.81	5.4	12.85	5.4	685851	LU 18	882636	1586413	0.088						Si
221	13.41	5.4	15.14	5.4	804685	LU 18	925578	1857657	0.091						Si
240	15.21	5.4	15.21	5.4	925578	LU 17	925578	1864772	0.091						Si
255	15.21	5.4	15.21	5.4	1015518	LU 17	972395	1864772	0.091						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	14607	LU 17	14607	11971	68363	0	11971	1	Si
17	0	16.72	0	14015	LU 17	14015	11471	68363	0	11471	1	Si
20	0.144	16.72	0	13910	LU 17	13910	11471	68363	16673	16673	1	Si
34	0.144	14.32	0	13422	LU 17	13422	10893	68363	16673	16673	1	Si
51	0.144	7.6	0	12830	LU 17	12830	8821	68363	16673	16673	1	Si
68	0.144	7.6	0	12237	LU 17	12237	8821	68363	16673	16673	1	Si
77	0.144	7.6	0	11941	LU 17	11941	8821	68363	16673	16673	1	Si
94	0.113	7.6	0	11348	LU 17	11348	8821	68363	13130	13130	1	Si
111	0.113	7.6	0	10756	LU 17	10756	8821	68363	13130	13130	1	Si
128	0.113	7.6	0	10163	LU 17	10163	8821	68363	13130	13130	1	Si
145	0.113	7.6	0	9571	LU 17	9571	8821	68363	13130	13130	1	Si
162	0.113	7.6	0	8978	LU 17	8978	8821	68363	13130	13130	1	Si
179	0.101	7.6	0	8386	LU 17	8386	8821	68363	11671	11671	1	Si
196	0.101	7.6	0	7793	LU 17	7793	8821	68363	11671	11671	1	Si
204	0.101	7.6	0	7497	LU 17	7497	8821	68363	11671	11671	1	Si
221	0.101	7.6	0	6904	LU 17	6904	8821	68363	11671	11671	1	Si
240	0.101	7.6	0	6242	LU 17	6242	8821	68363	11671	11671	1	Si
255	0	7.6	0	5719	LU 17	5719	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1190418	8	-1079978	35.1	124.5	989	1837	-1047562	1	-948178	30.8	93.4	0	+∞	Si
17	-1006141	8	-1003871	32.6	124.5	919.3	1837	-881903	1	-879871	28.6	93.4	0	+∞	Si
20	-974639	8	-974639	31.7	124.5	892.5	1837	-853635	1	-853635	27.7	93.4	0	+∞	Si
34	-829552	8	-974639	31.7	124.5	892.5	1837	-723541	1	-853635	27.7	93.4	0	+∞	Si
51	-660651	8	-954373	31	124.5	873.9	1837	-572473	1	-835449	27.2	93.4	0	+∞	Si
68	-499438	8	-780014	25.4	124.5	714.3	1837	-428702	1	-679202	22.1	93.4	0	+∞	Si
77	-421714	8	-695717	23	124.5	673.7	1837	-359552	1	-603814	20	93.4	0	+∞	Si
94	-272032	8	-532889	18.5	124.5	592.2	1837	-226725	1	-458511	15.9	93.4	0	+∞	Si
111	-130038	8	-377749	13.9	124.5	493.3	1837	-101193	1	-320503	11.8	93.4	0	+∞	Si
128	39383	2	227442	5.9	124.5	88.9	1837	23745	2	207053	9.3	93.4	0	+∞	Si
145	147765	3	338529	8.8	124.5	132.3	1837	133663	2	304495	13.7	93.4	0	+∞	Si
162	260683	9	441927	11.5	124.5	172.7	1837	236285	2	394642	17.7	93.4	0	+∞	Si
179	369540	9	537638	14	124.5	210.1	1837	331611	2	477492	21.4	93.4	0	+∞	Si
196	470709	9	625660	22.7	124.5	908.1	1837	419641	2	553046	20.1	93.4	0	+∞	Si
204	518410	9	666789	23.2	124.5	883.8	1837	460921	2	588088	20.5	93.4	0	+∞	Si
221	608047	9	699110	22.5	124.5	789.9	1837	538007	2	615429	19.8	93.4	0	+∞	Si
240	699110	8	699110	21.9	124.5	785.5	1837	615429	1	615429	19.3	93.4	0	+∞	Si
255	766513	8	734221	23	124.5	825	1837	671260	1	644683	20.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	35.9	0.00029	0.0103	8	35.9	0.00026	0.0092	3	35.9	0.00025	0.0091	1	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
17	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
20	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
34	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
51	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.007	2	9999	Si
68	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	2	-0.006	2	9999	Si
77	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.006	2	9999	Si
94	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
111	0	-0.001	-0.001	-0.002	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.003	2	9999	Si
128	0.001	0	0	-0.001	0	0	0	0	0	0	0	2	-0.001	2	9999	Si
145	0.002	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
162	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
179	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.004	2	9999	Si
196	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
204	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
221	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
240	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si

Campata 3 tra i fili ? - 66, sezione R 40x70, asta 1117

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4	993844	LU 17	993844	1864772	0.091						Si
15	15.21	5.4	15.21	5.4	1074304	LU 17	1208269	1864772	0.091						Si
34	13.4	5.4	15.21	5.4	1166941	LU 17	1281117	1864908	0.091						Si
68	7.6	5.4	15.21	5.4	1299352	LU 17	1378911	1865528	0.096						Si
103	7.6	5.4	15.21	5.4	1391076	LU 17	1436018	1865528	0.096						Si
137	7.6	5.4	15.21	5.4	1442114	LU 17	1452439	1865528	0.096						Si
154	7.6	5.4	15.21	5.4	1452375	LU 17	1452465	1865528	0.096						Si
188	7.6	5.4	15.21	5.4	1442384	LU 17	1452465	1865528	0.096						Si
222	7.6	5.4	15.21	5.4	1391706	LU 17	1436341	1865528	0.096						Si
256	7.6	5.4	15.21	5.4	1300342	LU 17	1379594	1865528	0.096						Si
290	7.6	5.4	15.21	5.4	1168291	LU 17	1282161	1865528	0.096						Si
325	7.6	5.4	15.21	5.4	995555	LU 17	1144041	1865528	0.096						Si
359	7.6	5.4	15.21	5.4	782132	LU 17	965235	1865528	0.096						Si
376	7.6	5.4	15.21	5.4	660163	LU 17	860575	1865528	0.096						Si
410	11.29	5.4	15.21	5.4	385710	LU 17	620740	1865060	0.093						Si
444	14.51	5.4	13.1	5.4	70571	LU 17	340218	1615520	0.088	-18796	LU 2	-292956	-1782281	0.09	Si
478	15.21	5.4	14.31	5.4	-211644	LU 4	21305	1758384	0.089	-344237	LU 11	-415054	-1864821	0.091	Si
485	15.21	5.4	15.21	5.4						-415054	LU 11	-415054	-1864772	0.091	Si
513	15.21	5.4	15.21	5.4						-724650	LU 16	-560267	-1864772	0.091	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	5732	LU 15	5732	11113	68363	0	11113	1	Si
15	0.072	15.21	0	5209	LU 15	5209	11113	68363	8336	11113	1	Si
34	0.072	15.21	0	4541	LU 15	4541	11113	68363	8336	11113	1	Si
68	0.072	15.21	0	3351	LU 15	3351	11113	68363	8336	11113	1	Si
103	0.091	15.21	0	2160	LU 15	2160	11113	68363	10610	11113	1	Si
137	0.091	15.21	0	973	LU 10	973	11113	68363	10610	11113	1	Si
154	0.091	15.21	0	413	LU 10	413	11113	68363	10610	11113	1	Si
188	0.091	15.21	0	-959	LU 18	-959	-11113	-68363	-10610	-11113	1	Si
222	0.091	15.21	0	-2150	LU 18	-2150	-11113	-68363	-10610	-11113	1	Si
256	0.091	15.21	0	-3341	LU 18	-3341	-11113	-68363	-10610	-11113	1	Si
290	0.091	15.21	0	-4532	LU 18	-4532	-11113	-68363	-10610	-11113	1	Si
325	0.091	15.21	0	-5723	LU 18	-5723	-11113	-68363	-10610	-11113	1	Si
359	0.091	15.21	0	-6914	LU 18	-6914	-11113	-68363	-10610	-11113	1	Si
376	0.091	13.1	0	-7509	LU 18	-7509	-10575	-68363	-10610	-10610	1	Si
410	0.091	14.31	0	-8700	LU 18	-8700	-10890	-68363	-10610	-10890	1	Si
444	0.115	15.21	0	-9891	LU 18	-9891	-11113	-68363	-13338	-13338	1	Si
478	0.115	11.29	0	-11081	LU 18	-11081	-10062	-68363	-13338	-13338	1	Si
485	0.115	12.9	0	-11314	LU 18	-11314	-10520	-68363	-13338	-13338	1	Si
513	0	14.51	0	-12267	LU 18	-12267	-10940	-68363	0	-10940	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	749827	8	749827	23.5	124.5	842.5	1837	654480	1	654480	20.5	93.4	0	+∞	Si
15	811433	8	914060	28.7	124.5	1027	1837	714226	1	814105	25.5	93.4	0	+∞	Si
34	882388	8	969911	31.2	124.5	1091.7	1837	783201	1	868746	27.9	93.4	0	+∞	Si
68	983895	8	1044997	36.5	124.5	1184.4	1837	882453	1	942924	33	93.4	0	+∞	Si
103	1054349	8	1089029	38.1	124.5	1234.3	1837	952234	1	987631	34.5	93.4	0	+∞	Si
137	1093749	8	1102008	38.5	124.5	1249	1837	992546	1	1002869	35.1	93.4	0	+∞	Si
154	1101804	8	1102095	38.5	124.5	1249.1	1837	1001650	1	1003387	35.1	93.4	0	+∞	Si
188	1094623	8	1102095	38.5	124.5	1249.1	1837	997757	1	1003387	35.1	93.4	0	+∞	Si
222	1056390	8	1090078	38.1	124.5	1235.5	1837	964393	1	993879	34.8	93.4	0	+∞	Si
256	987102	8	1047212	36.6	124.5	1186.9	1837	901559	1	956119	33.4	93.4	0	+∞	Si
290	886762	8	973293	34	124.5	1103.1	1837	809256	1	888889	31.1	93.4	0	+∞	Si
325	755367	8	868320	30.4	124.5	984.1	1837	687482	1	792190	27.7	93.4	0	+∞	Si
359	592920	8	732293	25.6	124.5	830	1837	536239	1	666020	23.3	93.4	0	+∞	Si
376	500051	8	652635	22.8	124.5	739.7	1837	449566	1	591884	20.7	93.4	0	+∞	Si
410	291022	8	470028	15.6	124.5	530.2	1837	254117	1	421509	14	93.4	0	+∞	Si
444	50941	8	256367	8.5	124.5	332.8	1837	29199	1	221665	7.4	93.4	0	+∞	Si
444	-2798	2	-220123	7.2	124.5	259.3	1837								Si
478	-259517	2	-313921	10	124.5	353	1837	-235488	2	-289574	9.2	93.4	0	+∞	Si
485	-313921	2	-313921	9.8	124.5	352.7	1837	-289574	2	-289574	9.1	93.4	0	+∞	Si
513	-550976	7	-425479	13.3	124.5	478.1	1837	-520068	2	-400475	12.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
68	inferiore	41.2	0.00034	0.0142	8	41.2	0.00031	0.0129	3	41.2	0.00031	0.0128	1	Si
103	inferiore	41.2	0.00036	0.0148	8	41.2	0.00033	0.0135	3	41.2	0.00033	0.0134	1	Si
137	inferiore	41.2	0.00036	0.015	8	41.2	0.00033	0.0137	3	41.2	0.00033	0.0136	1	Si
154	inferiore	41.2	0.00036	0.015	8	41.2	0.00033	0.0138	3	41.2	0.00033	0.0136	1	Si
188	inferiore	41.2	0.00036	0.015	8	41.2	0.00033	0.0138	3	41.2	0.00033	0.0136	1	Si
222	inferiore	41.2	0.00036	0.0148	8	41.2	0.00033	0.0136	3	41.2	0.00033	0.0135	1	Si
256	inferiore	41.2	0.00035	0.0142	8	41.2	0.00032	0.0131	3	41.2	0.00032	0.013	1	Si
290	inferiore	41.2	0.00032	0.0132	8	41.2	0.0003	0.0122	3	41.2	0.00029	0.0121	1	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.011	0.009	0.01	0.008	0.01	0.009	0.008	0.008	0.01	0.009	0.023	1	0.023	1	9999	Si
34	0.023	0.021	0.022	0.018	0.021	0.021	0.019	0.018	0.021	0.021	0.051	1	0.05	1	9999	Si
68	0.043	0.039	0.042	0.034	0.04	0.039	0.035	0.034	0.039	0.039	0.096	1	0.094	1	5334	Si
103	0.06	0.053	0.058	0.046	0.055	0.054	0.048	0.047	0.054	0.054	0.135	1	0.132	1	3808	Si
137	0.073	0.065	0.07	0.056	0.066	0.065	0.059	0.057	0.066	0.066	0.165	1	0.161	1	3106	Si
154	0.077	0.069	0.075	0.06	0.071	0.07	0.063	0.061	0.07	0.07	0.176	1	0.172	1	2907	Si
188	0.084	0.075	0.081	0.065	0.077	0.076	0.068	0.066	0.077	0.076	0.191	1	0.186	1	2683	Si
222	0.087	0.077	0.083	0.067	0.08	0.078	0.07	0.068	0.079	0.079	0.195	1	0.189	1	2626	Si
256	0.086	0.076	0.081	0.066	0.079	0.077	0.069	0.067	0.078	0.078	0.19	1	0.184	1	2697	Si
290	0.082	0.072	0.076	0.063	0.075	0.073	0.065	0.064	0.074	0.073	0.178	1	0.173	1	2882	Si
325	0.074	0.065	0.069	0.056	0.067	0.066	0.059	0.057	0.067	0.066	0.159	1	0.155	1	3215	Si
359	0.063	0.056	0.059	0.048	0.058	0.056	0.05	0.049	0.057	0.057	0.136	1	0.132	1	3778	Si
376	0.057	0.05	0.053	0.043	0.052	0.051	0.045	0.044	0.052	0.051	0.122	1	0.119	1	4196	Si
410	0.044	0.038	0.04	0.033	0.04	0.039	0.035	0.033	0.039	0.039	0.093	1	0.09	1	5527	Si
444	0.029	0.025	0.027	0.022	0.026	0.026	0.023	0.022	0.026	0.026	0.061	1	0.06	1	8346	Si
478	0.014	0.012	0.013	0.01	0.013	0.012	0.011	0.011	0.013	0.012	0.03	1	0.029	1	9999	Si
485	0.011	0.009	0.01	0.008	0.01	0.01	0.009	0.008	0.01	0.01	0.024	1	0.023	1	9999	Si

Trave a "Piano 2" 67-69

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 67 - 68, sezione R 40x70, asta 1112

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4						-378989	LU 11	-327712	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4						-282891	LU 11	-282891	-1414397	0.086	Si
23	11.4	5.4	11.4	5.4						-269161	LU 11	-282891	-1414397	0.086	Si
46	11.23	5.4	11.4	5.4						-177570	LU 11	-282891	-1393627	0.085	Si
69	10.14	5.4	11.4	5.4						-104216	LU 11	-200539	-1265040	0.084	Si
80	9.6	5.4	11.4	5.4	-22112	LU 8	9291	1414474	0.086	-74378	LU 11	-159176	-1200725	0.083	Si
103	7.6	5.4	11.4	5.4	-17980	LU 1	111049	1414576	0.086	-29575	LU 12	-90127	-963377	0.08	Si
126	7.6	5.4	11.4	5.4	2832	LU 2	183734	1414576	0.086	-36053	LU 17	-78149	-963377	0.08	Si
149	7.6	5.4	11.4	5.4	14621	LU 2	227344	1414576	0.086	-66324	LU 17	-132918	-963377	0.08	Si
172	7.6	5.4	11.4	5.4	12382	LU 2	241881	1414576	0.086	-115977	LU 17	-207069	-963377	0.08	Si
195	7.6	5.4	11.4	5.4	-3886	LU 2	227344	1414576	0.086	-185013	LU 17	-300602	-963377	0.08	Si
218	7.6	5.4	11.4	5.4	-34182	LU 2	183734	1414576	0.086	-273431	LU 17	-413519	-963377	0.08	Si
241	7.6	5.4	11.4	5.4	-78507	LU 2	111049	1414576	0.086	-381232	LU 17	-545818	-963377	0.08	Si
253	7.6	5.4	11.4	5.4	-105930	LU 2	63804	1414576	0.086	-442401	LU 17	-619235	-963377	0.08	Si
276	7.6	5.4	11.4	5.4						-579276	LU 17	-780608	-963377	0.08	Si
299	7.6	5.4	11.4	5.4						-735533	LU 17	-935979	-963377	0.08	Si
322	7.6	5.4	11.4	5.4						-911173	LU 17	-935979	-963377	0.08	Si
325	7.6	5.4	11.4	5.4						-935979	LU 17	-935979	-963377	0.08	Si
345	7.6	5.4	11.4	5.4						-1106196	LU 17	-1017657	-963377	0.08	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.14	0	5172	LU 11	5172	9711	68363	0	9711	1	Si
20	0.086	9.6	0	4482	LU 11	4482	9535	68363	10004	10004	1	Si
23	0.086	7.6	0	4379	LU 11	4379	8821	68363	10004	10004	1	Si
46	0.086	7.6	0	3586	LU 11	3586	8821	68363	10004	10004	1	Si
69	0.086	7.6	0	2793	LU 11	2793	8821	68363	10004	10004	1	Si
80	0.086	7.6	0	2396	LU 11	2396	8821	68363	10004	10004	1	Si
103	0.085	7.6	0	1603	LU 11	1603	8821	68363	9903	9903	1	Si
103	0.085	7.6	0	-228	LU 8	-228	-8821	-68363	-9903	-9903	1	Si
126	0.085	11.4	0	818	LU 2	818	10097	68363	9903	10097	1	Si
126	0.085	7.6	0	-895	LU 17	-895	-8821	-68363	-9903	-9903	1	Si
149	0.085	11.4	0	208	LU 2	208	10097	68363	9903	10097	1	Si
149	0.085	7.6	0	-1737	LU 17	-1737	-8821	-68363	-9903	-9903	1	Si
172	0.085	7.6	0	-2580	LU 17	-2580	-8821	-68363	-9903	-9903	1	Si
195	0.085	7.6	0	-3423	LU 17	-3423	-8821	-68363	-9903	-9903	1	Si
218	0.085	7.6	0	-4266	LU 17	-4266	-8821	-68363	-9903	-9903	1	Si
241	0.085	7.6	0	-5108	LU 17	-5108	-8821	-68363	-9903	-9903	1	Si
253	0.085	7.6	0	-5530	LU 17	-5530	-8821	-68363	-9903	-9903	1	Si
276	0.101	7.6	0	-6372	LU 17	-6372	-8821	-68363	-11671	-11671	1	Si
299	0.101	7.6	0	-7215	LU 17	-7215	-8821	-68363	-11671	-11671	1	Si
322	0.101	7.6	0	-8058	LU 17	-8058	-8821	-68363	-11671	-11671	1	Si
325	0.101	7.6	0	-8168	LU 17	-8168	-8821	-68363	-11671	-11671	1	Si
345	0	7.6	0	-8901	LU 17	-8901	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-282092	2	-243511	8.9	124.5	362.5	1837	-239150	2	-204492	7.5	93.4	0	+∞	Si
20	-209896	2	-209896	7.7	124.5	311.8	1837	-174800	2	-174800	6.4	93.4	0	+∞	Si
23	-199592	2	-209896	7.7	124.5	311.8	1837	-165674	2	-174800	6.4	93.4	0	+∞	Si
46	-131121	2	-209896	7.7	124.5	317.1	1837	-106226	2	-174800	6.4	93.4	0	+∞	Si
69	-76678	2	-148266	5.6	124.5	247.2	1837	-60807	2	-120990	4.6	93.4	0	+∞	Si
80	-54717	2	-117440	4.6	124.5	206.5	1837	-43358	2	-94675	3.7	93.4	0	+∞	Si
103	-22114	3	-66309	1.6	124.5	25.4	1837	-18981	2	-52568	2.2	93.4	0	+∞	Si
126	-25568	8	-55275	1.4	124.5	21.2	1837	-11499	1	-24489	1	93.4	0	+∞	Si
149	3399	2	3399	0.1	124.5	5.1	1837								Si
149	-46755	8	-95157	1.8	124.5	36.4	1837	-19047	1	-49093	2.1	93.4	0	+∞	Si
172	-82734	8	-149832	3.7	124.5	57.4	1837	-40623	1	-88400	3.7	93.4	0	+∞	Si
195	-133505	8	-219300	5.4	124.5	84	1837	-76227	1	-141735	6	93.4	0	+∞	Si
218	-199069	8	-303559	7.5	124.5	116.3	1837	-125860	1	-209098	8.9	93.4	0	+∞	Si
241	-279424	8	-402610	10	124.5	154.2	1837	-189521	1	-290490	12.3	93.4	0	+∞	Si
253	-325149	8	-457683	11.3	124.5	175.3	1837	-226612	1	-336447	14.2	93.4	0	+∞	Si
276	-427693	8	-578923	14.3	124.5	221.7	1837	-311316	1	-438881	18.6	93.4	0	+∞	Si
299	-545029	8	-695838	17.2	124.5	266.5	1837	-410048	1	-538889	22.8	93.4	0	+∞	Si
322	-677157	8	-695838	17.2	124.5	266.5	1837	-522808	1	-538889	22.8	93.4	0	+∞	Si
325	-695838	8	-695838	17.2	124.5	266.5	1837	-538889	1	-538889	22.8	93.4	0	+∞	Si
345	-824077	8	-757339	18.7	124.5	290.1	1837	-649597	1	-591760	25.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
46	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.004	2	-0.004	2	9999	Si
69	-0.001	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.006	2	9999	Si
80	-0.001	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.006	2	-0.006	2	9999	Si
103	-0.002	-0.003	-0.002	-0.004	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	-0.007	2	-0.008	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
126	-0.002	-0.004	-0.002	-0.005	-0.002	-0.003	-0.003	-0.004	-0.002	-0.003	-0.008	2	-0.009	2	9999	Si
149	-0.002	-0.005	-0.003	-0.006	-0.002	-0.003	-0.003	-0.004	-0.003	-0.003	-0.009	2	-0.01	2	9999	Si
172	-0.002	-0.006	-0.003	-0.006	-0.003	-0.004	-0.004	-0.005	-0.003	-0.004	-0.01	2	-0.011	2	9999	Si
195	-0.002	-0.006	-0.003	-0.007	-0.003	-0.004	-0.004	-0.005	-0.003	-0.004	-0.011	2	-0.012	2	9999	Si
218	-0.003	-0.007	-0.003	-0.007	-0.003	-0.005	-0.004	-0.005	-0.004	-0.004	-0.011	2	-0.012	2	9999	Si
230	-0.003	-0.007	-0.003	-0.007	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.011	2	-0.013	2	9999	Si
241	-0.003	-0.007	-0.003	-0.007	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.011	2	-0.013	2	9999	Si
253	-0.003	-0.007	-0.003	-0.007	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.011	2	-0.012	2	9999	Si
276	-0.003	-0.006	-0.003	-0.006	-0.003	-0.004	-0.004	-0.005	-0.004	-0.004	-0.01	2	-0.011	2	9999	Si
299	-0.002	-0.005	-0.003	-0.005	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.008	2	-0.009	2	9999	Si
322	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.006	2	9999	Si
325	-0.001	-0.003	-0.001	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si

Campata 2 tra i fili 68 - ?, sezione R 40x70, asta 1113

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-1934046	LU 17	-1751464	-963377	0.08	No
17	7.6	5.4	11.4	5.4						-1626715	LU 17	-1623164	-963377	0.08	No
20	7.6	5.4	11.4	5.4						-1575911	LU 17	-1575911	-963377	0.08	No
34	7.6	5.4	11.4	5.4						-1330095	LU 17	-1575911	-963377	0.08	No
51	7.6	5.4	11.4	5.4						-1044186	LU 17	-1536992	-963377	0.08	No
68	7.6	5.4	11.4	5.4	-400514	LU 2	28208	1414576	0.086	-768988	LU 17	-1243583	-963377	0.08	No
77	7.6	5.4	11.4	5.4	-316915	LU 2	54904	1414576	0.086	-635406	LU 17	-1100895	-963377	0.08	No
94	7.6	5.4	11.4	5.4	-155532	LU 2	115510	1414576	0.086	-376275	LU 17	-823553	-963377	0.08	Si
111	7.6	5.4	11.4	5.4	-1901	LU 2	305559	1414576	0.086	-127855	LU 17	-556922	-963377	0.08	Si
128	7.6	5.4	11.4	5.4	172229	LU 11	515709	1414576	0.086	81602	LU 8	-301002	-963377	0.08	Si
145	7.6	5.4	11.4	5.4	366858	LU 18	719639	1414576	0.086	239236	LU 1	-55793	-963377	0.08	Si
162	7.6	5.4	11.4	5.4	578288	LU 18	912857	1414576	0.086						Si
180	7.6	5.4	13.46	5.4	779007	LU 18	1095365	1659165	0.091						Si
197	10.98	5.4	16.18	5.4	969014	LU 18	1267161	1980760	0.095						Si
205	11.78	5.4	17.33	5.4	1060002	LU 18	1349043	2117061	0.096						Si
222	13.4	5.4	18.5	5.4	1233943	LU 18	1416214	2254853	0.097						Si
241	15.21	5.4	19.01	5.4	1416214	LU 18	1416214	2314940	0.096						Si
256	15.21	5.4	19.01	5.4	1551253	LU 17	1484890	2314940	0.096						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	18288	LU 17	18288	8821	68363	0	8821	1	Si
17	0	7.6	0	17662	LU 17	17662	8821	68363	0	8821	1	Si
20	0.187	7.6	0	17555	LU 17	17555	8821	68363	21675	21675	1	Si
34	0.187	7.6	0	17035	LU 17	17035	8821	68363	21675	21675	1	Si
51	0.187	7.6	0	16409	LU 17	16409	8821	68363	21675	21675	1	Si
68	0.187	7.6	0	15782	LU 17	15782	8821	68363	21675	21675	1	Si
77	0.187	7.6	0	15469	LU 17	15469	8821	68363	21675	21675	1	Si
94	0.16	7.6	0	14843	LU 17	14843	8821	68363	18624	18624	1	Si
111	0.16	7.6	0	14216	LU 17	14216	8821	68363	18624	18624	1	Si
128	0.16	11.4	0	13590	LU 17	13590	10097	68363	18624	18624	1	Si
145	0.16	11.4	0	12963	LU 17	12963	10097	68363	18624	18624	1	Si
162	0.16	11.4	0	12337	LU 17	12337	10097	68363	18624	18624	1	Si
180	0.144	11.4	0	11710	LU 17	11710	10097	68363	16673	16673	1	Si
197	0.144	11.4	0	11084	LU 17	11084	10097	68363	16673	16673	1	Si
205	0.144	11.4	0	10771	LU 17	10771	10097	68363	16673	16673	1	Si
222	0.144	11.4	0	10144	LU 17	10144	10097	68363	16673	16673	1	Si
241	0.144	13.46	0	9441	LU 17	9441	10672	68363	16673	16673	1	Si
256	0	14.04	0	8891	LU 17	8891	10822	68363	0	10822	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1454819	8	-1316978	55.8	124.5	2905.2	1837	-1240917	1	-1120017	47.4	93.4	0	+∞	No
17	-1222838	8	-1220159	51.7	124.5	2691.6	1837	-1037710	1	-1035377	43.9	93.4	0	+∞	No
20	-1184501	8	-1184501	50.2	124.5	2612.9	1837	-1004204	1	-1004204	42.5	93.4	0	+∞	No
34	-999031	8	-1184501	50.2	124.5	2612.9	1837	-842255	1	-1004204	42.5	93.4	0	+∞	No
51	-783398	8	-1155133	48.9	124.5	2548.1	1837	-654553	1	-978536	41.4	93.4	0	+∞	No
68	-575939	8	-933776	39.5	124.5	2059.8	1837	-474603	1	-785406	33.3	93.4	0	+∞	No
77	-475276	8	-826163	20.4	124.5	316.4	1837	-387535	1	-691747	29.3	93.4	0	+∞	Si
94	-280079	8	-617068	15.3	124.5	236.3	1837	-219214	1	-510245	21.6	93.4	0	+∞	Si
111	-93056	8	-416147	10.3	124.5	159.4	1837	-58645	1	-336496	14.3	93.4	0	+∞	Si
128	127376	2	388602	15	124.5	580.6	1837	104133	2	343568	13.3	93.4	0	+∞	Si
145	276470	9	542139	20.9	124.5	810	1837	247810	2	474065	18.3	93.4	0	+∞	Si
162	435732	9	687502	26.6	124.5	1027.1	1837	383734	2	596808	23.1	93.4	0	+∞	Si
180	586819	9	824691	30.1	124.5	1050.2	1837	511907	2	711800	25.9	93.4	0	+∞	Si
197	729732	9	953706	31.1	124.5	1013.8	1837	632326	2	819039	26.7	93.4	0	+∞	Si
205	798123	9	1015148	32	124.5	1009.2	1837	689629	2	869752	27.4	93.4	0	+∞	Si
222	928774	9	1065526	32.1	124.5	993.3	1837	798421	2	911143	27.5	93.4	0	+∞	Si
241	1065526	9	1065526	31.1	124.5	965.7	1837	911143	2	911143	26.6	93.4	0	+∞	Si
256	1166595	8	1117018	32.6	124.5	1011.8	1837	993193	1	953347	27.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	68	0.00085	0.0576	8	68	0.00084	0.0574	3	68	0.00082	0.0559	1	No
17	superiore	68	0.00078	0.0533	8	68	0.00075	0.0511	3	68	0.00073	0.0497	1	No
20	superiore	68	0.00076	0.0518	8	68	0.00072	0.0488	3	68	0.0007	0.0474	1	No
34	superiore	68	0.00076	0.0518	8	68	0.00072	0.0488	3	68	0.0007	0.0474	1	No
51	superiore	68	0.00074	0.0505	8	68	0.00069	0.0469	3	68	0.00067	0.0456	1	No
68	superiore	68	0.0006	0.0408	8	68	0.00051	0.035	3	68	0.0005	0.0343	1	No
205	inferiore	37.9	0.00029	0.0111	9	37.9	0.00026	0.0097	4	37.9	0.00025	0.0096	2	Si
222	inferiore	36.5	0.00029	0.0105	9	36.5	0.00025	0.0092	4	36.5	0.00025	0.009	2	Si
241	inferiore	35.9	0.00028	0.0101	9	35.9	0.00025	0.0088	4	35.9	0.00024	0.0086	2	Si
256	inferiore	35.9	0.00029	0.0106	9	35.9	0.00026	0.0092	4	35.9	0.00025	0.009	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
17	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	2	-0.006	2	9999	Si
20	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	2	-0.007	2	9999	Si
34	-0.002	-0.003	-0.002	-0.004	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.008	2	-0.008	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
43	-0.002	-0.003	-0.002	-0.004	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.008	2	-0.009	2	9999	Si
51	-0.002	-0.003	-0.002	-0.004	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.008	2	-0.009	2	9999	Si
68	-0.001	-0.003	-0.002	-0.004	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.007	2	-0.008	2	9999	Si
77	-0.001	-0.002	-0.001	-0.003	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.006	2	-0.007	2	9999	Si
94	0	-0.001	0	-0.002	0	-0.001	-0.001	-0.001	0	0	-0.004	2	-0.004	2	9999	Si
111	0.002	0	0.001	-0.001	0.001	0.001	0	0	0.001	0.001	-0.001	2	-0.002	2	9999	Si
128	0.003	0.002	0.002	0	0.002	0.002	0.001	0.001	0.002	0.002	0.002	2	0.001	2	9999	Si
145	0.004	0.003	0.003	0.002	0.004	0.003	0.002	0.002	0.003	0.003	0.005	2	0.004	2	9999	Si
162	0.005	0.004	0.004	0.003	0.005	0.004	0.003	0.003	0.004	0.004	0.007	2	0.006	2	9999	Si
180	0.006	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.008	2	0.008	2	9999	Si
197	0.006	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.009	2	0.008	2	9999	Si
205	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.009	2	0.008	2	9999	Si
222	0.005	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
241	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si

Campata 3 tra i fili ? - 69, sezione R 40x70, asta 1114

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	19.01	5.4	1515088	LU 18	1515088	2314940	0.096						Si
15	15.21	5.4	19.01	5.4	1580587	LU 17	1684680	2314940	0.096						Si
34	13.41	5.4	19.01	5.4	1653400	LU 17	1736810	2315051	0.098						Si
68	7.6	5.4	19.01	5.4	1749325	LU 17	1796447	2315301	0.107						Si
102	7.6	5.4	19.01	5.4	1802722	LU 17	1813557	2315301	0.107						Si
119	7.6	5.4	19.01	5.4	1813473	LU 17	1813592	2315301	0.107						Si
153	7.6	5.4	19.01	5.4	1803078	LU 17	1813592	2315301	0.107						Si
187	7.6	5.4	19.01	5.4	1750156	LU 17	1796873	2315301	0.107						Si
221	7.6	5.4	19.01	5.4	1654706	LU 17	1737711	2315301	0.107						Si
256	7.6	5.4	18.98	5.4	1516729	LU 17	1636021	2312218	0.107						Si
290	7.6	5.4	15.21	5.4	1336223	LU 17	1491803	1865528	0.096						Si
324	7.6	5.4	15.21	5.4	1113190	LU 17	1305058	1865528	0.096						Si
358	7.6	5.4	15.18	5.4	847630	LU 17	1075785	1862430	0.096						Si
392	7.6	5.4	12.91	5.4	539541	LU 17	803984	1593494	0.09						Si
409	11.28	5.4	14.06	5.4	369549	LU 17	652136	1729124	0.09	188955	LU 2	-36070	-1399894	0.085	Si
443	14.49	5.4	12.01	5.4	3635	LU 8	316544	1486177	0.086	-82054	LU 11	-407619	-1780703	0.091	Si
477	15.21	5.4	13.88	5.4						-465324	LU 11	-545879	-1864841	0.091	Si
484	15.21	5.4	15.21	5.4						-545879	LU 12	-545879	-1864772	0.091	Si
511	15.21	5.4	15.21	5.4						-919077	LU 18	-726127	-1864772	0.091	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	4856	LU 15	4856	11971	68363	0	11971	1	Si
15	0.072	19.01	0	4307	LU 15	4307	11971	68363	8336	11971	1	Si
34	0.072	19.01	0	3608	LU 15	3608	11971	68363	8336	11971	1	Si
68	0.072	19.01	0	2384	LU 10	2384	11971	68363	8336	11971	1	Si
102	0.107	19.01	0	1210	LU 10	1210	11971	68363	12433	12433	1	Si
119	0.107	19.01	0	623	LU 10	623	11971	68363	12433	12433	1	Si
153	0.107	19.01	0	-1018	LU 18	-1018	-11971	-68363	-12433	-12433	1	Si
187	0.107	18.98	0	-2267	LU 18	-2267	-11966	-68363	-12433	-12433	1	Si
221	0.107	15.21	0	-3515	LU 18	-3515	-11113	-68363	-12433	-12433	1	Si
256	0.107	15.21	0	-4763	LU 18	-4763	-11113	-68363	-12433	-12433	1	Si
290	0.107	15.18	0	-6012	LU 18	-6012	-11107	-68363	-12433	-12433	1	Si
324	0.107	12.91	0	-7260	LU 18	-7260	-10524	-68363	-12433	-12433	1	Si
358	0.107	15.21	0	-8508	LU 18	-8508	-11113	-68363	-12433	-12433	1	Si
392	0.107	15.21	0	-9756	LU 18	-9756	-11113	-68363	-12433	-12433	1	Si
409	0.107	13.88	0	-10381	LU 18	-10381	-10780	-68363	-12433	-12433	1	Si
443	0.129	7.6	0	-11629	LU 18	-11629	-8821	-68363	-15005	-15005	1	Si
477	0.129	11.28	0	-12877	LU 18	-12877	-10061	-68363	-15005	-15005	1	Si
484	0.129	12.89	0	-13118	LU 18	-13118	-10517	-68363	-15005	-15005	1	Si
511	0	14.49	0	-14098	LU 18	-14098	-10937	-68363	0	-10937	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	1139184	9	1139184	33.2	124.5	1032.5	1837	968478	2	968478	28.3	93.4	0	+∞	Si
15	1189680	8	1270082	37.1	124.5	1151.1	1837	1019665	1	1102213	32.2	93.4	0	+∞	Si
34	1245879	8	1310496	39.2	124.5	1190.2	1837	1077094	1	1144672	34.2	93.4	0	+∞	Si
68	1320213	8	1357136	44.1	124.5	1242.8	1837	1154969	1	1196283	38.9	93.4	0	+∞	Si
102	1362090	8	1371320	44.6	124.5	1255.8	1837	1202065	1	1217115	39.6	93.4	0	+∞	Si
119	1370858	8	1371512	44.6	124.5	1255.9	1837	1214070	1	1218380	39.6	93.4	0	+∞	Si
153	1364052	8	1371512	44.6	124.5	1255.9	1837	1214995	1	1218380	39.6	93.4	0	+∞	Si
187	1324789	8	1359481	44.2	124.5	1244.9	1837	1185141	1	1211744	39.4	93.4	0	+∞	Si
221	1253072	8	1315457	42.8	124.5	1204.6	1837	1124506	1	1177373	38.3	93.4	0	+∞	Si
256	1148898	8	1238977	40.3	124.5	1136	1837	1033091	1	1112222	36.2	93.4	0	+∞	Si
290	1012268	8	1130041	39.5	124.5	1280.8	1837	910896	1	1016290	35.5	93.4	0	+∞	Si
324	843183	8	988649	34.6	124.5	1120.5	1837	757921	1	889579	31.1	93.4	0	+∞	Si
358	641642	8	814802	28.5	124.5	925	1837	574166	1	732088	25.6	93.4	0	+∞	Si
392	407645	8	608498	22.5	124.5	806.8	1837	359631	1	543816	20.1	93.4	0	+∞	Si
409	278476	8	493176	16.8	124.5	600	1837	240821	1	438138	14.9	93.4	0	+∞	Si
443	-57354	2	-307409	10.2	124.5	362.9	1837	-31125	2	-279453	9.3	93.4	0	+∞	Si
477	-351732	2	-413522	13.2	124.5	465.2	1837	-323478	2	-384299	12.3	93.4	0	+∞	Si
484	-413522	3	-413522	13	124.5	464.6	1837	-384299	2	-384299	12.1	93.4	0	+∞	Si
511	-697202	9	-550521	17.3	124.5	618.6	1837	-646602	2	-510897	16	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	inferiore	35.9	0.0003	0.0108	9	35.9	0.00026	0.0094	4	35.9	0.00026	0.0092	2	Si
15	inferiore	35.9	0.00034	0.012	8	35.9	0.0003	0.0109	3	35.9	0.00029	0.0105	1	Si
34	inferiore	35.9	0.00035	0.0124	8	35.9	0.00032	0.0115	3	35.9	0.00031	0.0113	1	Si
68	inferiore	35.9	0.00036	0.013	8	35.9	0.00035	0.0125	3	35.9	0.00034	0.0122	1	Si
102	inferiore	35.9	0.00037	0.0131	8	35.9	0.00036	0.0128	3	35.9	0.00035	0.0126	1	Si
119	inferiore	35.9	0.00037	0.0131	8	35.9	0.00036	0.0128	3	35.9	0.00035	0.0126	1	Si
153	inferiore	35.9	0.00037	0.0131	8	35.9	0.00036	0.0128	3	35.9	0.00035	0.0126	1	Si
187	inferiore	35.9	0.00036	0.013	8	35.9	0.00035	0.0127	3	35.9	0.00035	0.0125	1	Si
221	inferiore	35.9	0.00035	0.0126	8	35.9	0.00034	0.0121	3	35.9	0.00033	0.0119	1	Si
256	inferiore	35.9	0.00033	0.0119	8	35.9	0.00031	0.0111	3	35.9	0.0003	0.0109	1	Si
290	inferiore	41.2	0.00037	0.0154	8	41.2	0.00034	0.0141	3	41.2	0.00034	0.0139	1	Si
324	inferiore	41.2	0.00033	0.0134	8	41.2	0.0003	0.0122	3	41.2	0.00029	0.0121	1	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.013	0.011	0.015	0.011	0.012	0.012	0.012	0.011	0.012	0.012	0.031	1	0.031	1	9999	Si
34	0.029	0.025	0.033	0.025	0.026	0.025	0.026	0.025	0.026	0.025	0.068	1	0.068	1	7506	Si
68	0.053	0.046	0.061	0.046	0.048	0.047	0.049	0.047	0.047	0.047	0.127	1	0.126	1	4027	Si
102	0.073	0.064	0.084	0.063	0.065	0.064	0.067	0.064	0.065	0.064	0.174	1	0.173	1	2934	Si
119	0.081	0.071	0.092	0.07	0.073	0.071	0.074	0.071	0.072	0.071	0.193	1	0.192	1	2645	Si
153	0.093	0.081	0.106	0.08	0.084	0.082	0.085	0.082	0.083	0.082	0.222	1	0.22	1	2305	Si
187	0.1	0.088	0.113	0.086	0.09	0.089	0.091	0.087	0.089	0.089	0.238	1	0.236	1	2151	Si
221	0.103	0.09	0.114	0.087	0.093	0.091	0.092	0.089	0.092	0.091	0.241	1	0.24	1	2118	Si
256	0.101	0.088	0.11	0.084	0.091	0.089	0.089	0.086	0.09	0.09	0.234	1	0.232	1	2186	Si
290	0.095	0.083	0.102	0.079	0.086	0.084	0.083	0.08	0.085	0.084	0.217	1	0.215	1	2357	Si
324	0.085	0.074	0.091	0.07	0.077	0.075	0.074	0.071	0.076	0.076	0.193	1	0.191	1	2651	Si
358	0.073	0.063	0.077	0.059	0.066	0.064	0.063	0.06	0.065	0.064	0.163	1	0.161	1	3136	Si
392	0.058	0.05	0.061	0.047	0.052	0.051	0.05	0.048	0.052	0.051	0.129	1	0.127	1	3970	Si
409	0.05	0.043	0.052	0.04	0.045	0.043	0.043	0.041	0.044	0.044	0.11	1	0.109	1	4627	Si
443	0.033	0.028	0.034	0.026	0.029	0.028	0.028	0.027	0.029	0.029	0.073	1	0.072	1	7021	Si
477	0.016	0.013	0.017	0.013	0.014	0.014	0.014	0.013	0.014	0.014	0.035	1	0.035	1	9999	Si
484	0.013	0.011	0.013	0.01	0.011	0.011	0.011	0.01	0.011	0.011	0.028	1	0.028	1	9999	Si

Trave a "Piano 2" 70-36C

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 70 - 67, sezione R 40x70, asta 1118

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4						-162047	LU 11	-150356	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4						-141117	LU 11	-141117	-1414397	0.086	Si
41	11.4	5.4	10.77	5.4						-123244	LU 11	-141117	-1414417	0.086	Si
61	10.5	5.4	9.39	5.4						-109922	LU 11	-130084	-1306989	0.084	Si
82	9.53	5.4	7.6	5.4	-38590	LU 8	11875	963192	0.079	-100653	LU 11	-115067	-1192231	0.082	Si
92	7.6	5.4	7.6	5.4	-37835	LU 8	21197	962923	0.078	-97539	LU 11	-109079	-962923	0.078	Si
113	7.6	5.4	7.6	5.4	-38664	LU 8	35538	962923	0.078	-94350	LU 11	-100143	-962923	0.078	Si
133	7.6	5.4	7.6	5.4	-42611	LU 8	44143	962923	0.078	-95214	LU 11	-103458	-962923	0.078	Si
154	7.6	5.4	7.6	5.4	-49676	LU 8	47011	962923	0.078	-100132	LU 11	-114123	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	-59858	LU 8	44143	962923	0.078	-109102	LU 11	-128842	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	-73158	LU 8	35538	962923	0.078	-122126	LU 11	-147613	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	-89577	LU 8	21197	962923	0.078	-139203	LU 11	-170943	-962923	0.078	Si
236	10.02	5.4	7.6	5.4	-109113	LU 8	1119	963245	0.079	-160334	LU 11	-199041	-1249634	0.083	Si
246	10.5	5.4	7.6	5.4						-173024	LU 12	-214611	-1307025	0.084	Si
266	11.4	5.4	7.6	5.4						-201454	LU 12	-234804	-1414576	0.086	Si
287	11.4	5.4	7.6	5.4						-234804	LU 12	-234804	-1414576	0.086	Si
307	11.4	5.4	7.6	5.4						-272273	LU 18	-251915	-1414576	0.086	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.5	0	1122	LU 10	1122	9822	68363	0	9822	1	Si
20	0.06	9.53	0	934	LU 10	934	9511	68363	6981	9511	1	Si
41	0.06	7.6	0	738	LU 10	738	8821	68363	6981	8821	1	Si
61	0.06	7.6	0	546	LU 10	546	8821	68363	6981	8821	1	Si
82	0.06	7.6	0	354	LU 10	354	8821	68363	6981	8821	1	Si
92	0.06	7.6	0	258	LU 10	258	8821	68363	6981	8821	1	Si
113	0.06	7.6	0	66	LU 10	66	8821	68363	6981	8821	1	Si
113	0.06	7.6	0	-120	LU 9	-120	-8821	-68363	-6981	-8821	1	Si
133	0.06	7.6	0	-297	LU 18	-297	-8821	-68363	-6981	-8821	1	Si
154	0.06	7.6	0	-489	LU 18	-489	-8821	-68363	-6981	-8821	1	Si
174	0.06	7.6	0	-681	LU 18	-681	-8821	-68363	-6981	-8821	1	Si
195	0.06	7.6	0	-874	LU 18	-874	-8821	-68363	-6981	-8821	1	Si
215	0.06	7.6	0	-1066	LU 18	-1066	-8821	-68363	-6981	-8821	1	Si
236	0.06	7.6	0	-1258	LU 18	-1258	-8821	-68363	-6981	-8821	1	Si
246	0.06	7.6	0	-1354	LU 18	-1354	-8821	-68363	-6981	-8821	1	Si
266	0.06	7.6	0	-1546	LU 18	-1546	-8821	-68363	-6981	-8821	1	Si
287	0.06	9.53	0	-1742	LU 18	-1742	-9511	-68363	-6981	-9511	1	Si
307	0	10.5	0	-1930	LU 18	-1930	-9822	-68363	0	-9822	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-123067	2	-114063	4.2	124.5	169.8	1837	-115858	2	-106802	3.9	93.4	0	+∞	Si
20	-106945	2	-106945	3.9	124.5	159.2	1837	-99635	2	-99635	3.6	93.4	0	+∞	Si
41	-93173	2	-106945	3.9	124.5	159.3	1837	-85758	2	-99635	3.7	93.4	0	+∞	Si
61	-82903	2	-98444	3.8	124.5	159	1837	-75385	2	-91072	3.5	93.4	0	+∞	Si
82	-75751	2	-86871	3.6	124.5	154.3	1837	-68130	2	-79396	3.3	93.4	0	+∞	Si
92	-73344	2	-82253	2.1	124.5	32.1	1837	-65672	2	-74727	3.4	93.4	0	+∞	Si
113	-70868	2	-75356	2	124.5	29.5	1837	-63094	2	-67727	3	93.4	0	+∞	Si
133	-71510	2	-77820	2	124.5	30.4	1837	-63633	2	-69797	3.1	93.4	0	+∞	Si
154	-75271	2	-86001	2.2	124.5	33.6	1837	-67291	2	-77876	3.5	93.4	0	+∞	Si
174	-82149	2	-97301	2.5	124.5	38	1837	-74066	2	-89072	4	93.4	0	+∞	Si
195	-92144	2	-111718	2.9	124.5	43.7	1837	-83959	2	-103386	4.6	93.4	0	+∞	Si
215	-105258	2	-129589	3.4	124.5	50.7	1837	-96970	2	-120818	5.4	93.4	0	+∞	Si
236	-121489	2	-151056	6.1	124.5	255.8	1837	-113098	2	-141368	5.7	93.4	0	+∞	Si
246	-131178	3	-162958	6.5	124.5	263.7	1837	-122332	2	-152812	6.1	93.4	0	+∞	Si
266	-152900	3	-178402	6.9	124.5	266.5	1837	-143137	2	-167701	6.5	93.4	0	+∞	Si
287	-178402	3	-178402	6.9	124.5	266.5	1837	-167701	2	-167701	6.5	93.4	0	+∞	Si
307	-206895	9	-191421	7.4	124.5	286	1837	-194102	2	-179811	6.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
41	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
61	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
82	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
92	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
113	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.006	1	-0.006	1	9999	Si
133	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
154	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
164	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
174	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
195	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
215	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
236	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
246	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
266	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
287	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Campata 3 tra i fili 67 - 64, sezione R 40x70, asta 1119

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	7.6	5.4						-277934	LU 12	-267011	-1414576	0.086	Si
18	11.4	5.4	7.6	5.4						-259631	LU 12	-259585	-1414576	0.086	Si
20	11.4	5.4	7.6	5.4						-257844	LU 12	-257844	-1414576	0.086	Si
36	11.4	5.4	7.6	5.4						-244277	LU 12	-257844	-1414576	0.086	Si
54	10.85	5.4	7.6	5.4						-231872	LU 12	-253436	-1349015	0.085	Si
72	10	5.4	7.6	5.4	-142999	LU 1	8458	963244	0.079	-222414	LU 12	-239217	-1248230	0.083	Si
81	9.58	5.4	7.6	5.4	-139568	LU 1	15645	963196	0.079	-218791	LU 12	-233213	-1197838	0.082	Si
99	7.6	5.4	7.6	5.4	-134407	LU 1	26702	962923	0.078	-213757	LU 12	-223417	-962923	0.078	Si
117	7.6	5.4	7.6	5.4	-131514	LU 1	33336	962923	0.078	-211670	LU 12	-216569	-962923	0.078	Si
135	7.6	5.4	7.6	5.4	-130888	LU 1	35547	962923	0.078	-212532	LU 12	-220216	-962923	0.078	Si
153	7.6	5.4	7.6	5.4	-132531	LU 1	33336	962923	0.078	-216343	LU 12	-228788	-962923	0.078	Si
171	7.6	5.4	7.6	5.4	-136442	LU 1	26702	962923	0.078	-223102	LU 12	-240308	-962923	0.078	Si
189	9.58	5.4	7.6	5.4	-142620	LU 1	15645	963196	0.079	-232809	LU 12	-254777	-1197838	0.082	Si
207	10.43	5.4	7.6	5.4	-151067	LU 1	166	963288	0.079	-245465	LU 12	-272195	-1298621	0.084	Si
216	10.85	5.4	7.6	5.4						-252898	LU 12	-282009	-1349015	0.085	Si
234	11.4	5.4	7.6	5.4						-269976	LU 12	-287696	-1414576	0.086	Si
250	11.4	5.4	7.6	5.4						-287696	LU 12	-287696	-1414576	0.086	Si
252	11.4	5.4	7.6	5.4						-290003	LU 12	-289931	-1414576	0.086	Si
270	11.4	5.4	7.6	5.4						-312978	LU 12	-299459	-1414576	0.086	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.43	0	1208	LU 13	1208	9800	68363	0	9800	1	Si
18	0	9.58	0	1044	LU 13	1044	9527	68363	0	9527	1	Si
20	0.086	9.58	0	1026	LU 13	1026	9527	68363	10004	10004	1	Si
36	0.086	7.6	0	880	LU 13	880	8821	68363	10004	10004	1	Si
54	0.086	7.6	0	717	LU 13	717	8821	68363	10004	10004	1	Si
72	0.086	7.6	0	553	LU 13	553	8821	68363	10004	10004	1	Si
81	0.086	7.6	0	471	LU 13	471	8821	68363	10004	10004	1	Si
99	0.089	7.6	0	307	LU 13	307	8821	68363	10374	10374	1	Si
117	0.089	9.16	0	143	LU 13	143	9384	68363	10374	10374	1	Si
117	0.089	9.16	0	-3	LU 2	-3	-9384	-68363	-10374	-10374	1	Si
135	0.089	10	0	-138	LU 11	-138	-9665	-68363	-10374	-10374	1	Si
153	0.089	9.16	0	-302	LU 11	-302	-9384	-68363	-10374	-10374	1	Si
171	0.089	7.6	0	-465	LU 11	-465	-8821	-68363	-10374	-10374	1	Si
189	0.086	7.6	0	-629	LU 11	-629	-8821	-68363	-10004	-10004	1	Si
207	0.086	7.6	0	-793	LU 11	-793	-8821	-68363	-10004	-10004	1	Si
216	0.086	7.6	0	-875	LU 11	-875	-8821	-68363	-10004	-10004	1	Si
234	0.086	7.6	0	-1039	LU 11	-1039	-8821	-68363	-10004	-10004	1	Si
250	0.086	9.58	0	-1184	LU 11	-1184	-9527	-68363	-10004	-10004	1	Si
252	0	9.58	0	-1203	LU 11	-1203	-9527	-68363	0	-9527	1	Si
270	0	10.43	0	-1366	LU 11	-1366	-9800	-68363	0	-9800	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-210737	3	-202239	7.8	124.5	302.1	1837	-196386	2	-187469	7.2	93.4	0	+∞	Si
18	-196487	3	-196450	7.6	124.5	293.5	1837	-181382	2	-181342	7	93.4	0	+∞	Si
20	-195092	3	-195092	7.5	124.5	291.5	1837	-179904	2	-179904	7	93.4	0	+∞	Si
36	-184504	3	-195092	7.5	124.5	291.5	1837	-168647	2	-179904	7	93.4	0	+∞	Si
54	-174789	3	-191655	7.5	124.5	300.4	1837	-158180	2	-176261	6.9	93.4	0	+∞	Si
72	-167343	3	-180546	7.3	124.5	306.1	1837	-149981	2	-164399	6.7	93.4	0	+∞	Si
81	-164470	3	-175841	7.2	124.5	310.8	1837	-146732	2	-159319	6.6	93.4	0	+∞	Si
99	-160425	3	-168134	4.4	124.5	65.7	1837	-141935	2	-150859	6.8	93.4	0	+∞	Si
117	-158649	3	-162694	4.2	124.5	63.6	1837	-139405	2	-144667	6.5	93.4	0	+∞	Si
135	-159140	3	-164773	4.3	124.5	64.4	1837	-139144	2	-143562	6.4	93.4	0	+∞	Si
153	-161899	3	-171195	4.5	124.5	66.9	1837	-141151	2	-149231	6.7	93.4	0	+∞	Si
171	-166927	3	-179885	4.7	124.5	70.3	1837	-145426	2	-157169	7	93.4	0	+∞	Si
189	-174222	3	-190843	7.9	124.5	337.3	1837	-151969	2	-167375	6.9	93.4	0	+∞	Si
207	-183785	3	-204069	8.1	124.5	332.3	1837	-160780	2	-179848	7.2	93.4	0	+∞	Si
216	-189417	3	-211533	8.3	124.5	331.5	1837	-166035	2	-186936	7.4	93.4	0	+∞	Si
234	-202383	3	-215861	8.3	124.5	322.5	1837	-178248	2	-191057	7.4	93.4	0	+∞	Si
250	-215861	3	-215861	8.3	124.5	322.5	1837	-191057	2	-191057	7.4	93.4	0	+∞	Si
252	-217616	3	-217562	8.4	124.5	325	1837	-192729	2	-192679	7.4	93.4	0	+∞	Si
270	-235118	3	-224814	8.7	124.5	335.9	1837	-209478	2	-199592	7.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara	Frequente	Quasi permanente	Verifica

	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
18	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
36	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
54	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	1	-0.006	1	9999	Si
72	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.008	1	9999	Si
81	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si
99	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.009	1	-0.009	1	9999	Si
117	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
135	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
153	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
171	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.009	1	-0.009	1	9999	Si
189	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si
207	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
216	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.003	-0.002	-0.003	-0.006	1	-0.006	1	9999	Si
234	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
250	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
252	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si

Campata 4 tra i fili 64 - 61, sezione R 40x70, asta 1120

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	7.6	5.4						-520505	LU 11	-496254	-1414576	0.086	Si
18	11.4	5.4	7.6	5.4						-477111	LU 11	-477026	-1414576	0.086	Si
20	11.4	5.4	7.6	5.4						-473769	LU 11	-473769	-1414576	0.086	Si
37	11.4	5.4	7.6	5.4						-436830	LU 11	-473769	-1414576	0.086	Si
55	10.78	5.4	7.6	5.4						-399661	LU 11	-459530	-1340700	0.085	Si
74	9.91	5.4	7.6	5.4	-218333	LU 4	9091	963234	0.079	-365605	LU 11	-420581	-1237156	0.083	Si
83	9.47	5.4	7.6	5.4	-207765	LU 4	16678	963184	0.079	-349744	LU 11	-402274	-1185371	0.082	Si
92	7.6	5.4	7.6	5.4	-197791	LU 1	23098	962923	0.078	-334665	LU 12	-384745	-962923	0.078	Si
102	7.6	5.4	7.6	5.4	-188321	LU 1	28350	962923	0.078	-320410	LU 12	-367994	-962923	0.078	Si
120	7.6	5.4	7.6	5.4	-171178	LU 1	35354	962923	0.078	-294235	LU 12	-336828	-962923	0.078	Si
139	7.6	5.4	7.6	5.4	-156430	LU 1	37688	962923	0.078	-271173	LU 12	-308869	-962923	0.078	Si
157	7.6	5.4	7.6	5.4	-144076	LU 1	35354	962923	0.078	-251223	LU 12	-284027	-962923	0.078	Si
176	7.6	5.4	7.6	5.4	-134116	LU 1	28350	962923	0.078	-234387	LU 12	-262297	-962923	0.078	Si
194	9.47	5.4	7.6	5.4	-126551	LU 1	16678	963184	0.079	-220662	LU 12	-243681	-1185371	0.082	Si
213	13.73	5.4	7.6	5.4	-121380	LU 1	336	963548	0.08	-210051	LU 12	-228177	-1690852	0.092	Si
222	15.04	5.4	7.6	5.4						-205912	LU 12	-221592	-1845886	0.095	Si
240	17.41	5.4	7.6	5.4						-199970	LU 12	-210757	-2125949	0.102	Si
257	19.01	5.4	7.6	5.4						-197307	LU 12	-203582	-2315301	0.107	Si
259	19.01	5.4	7.6	5.4						-197140	LU 12	-197140	-2315301	0.107	Si
277	19.01	5.4	7.6	5.4						-197423	LU 12	-196482	-2315301	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.35	0	2430	LU 11	2430	9775	68363	0	9775	1	Si
18	0	9.47	0	2262	LU 11	2262	9492	68363	0	9492	1	Si
20	0.101	9.47	0	2248	LU 11	2248	9492	68363	11671	11671	1	Si
37	0.101	7.6	0	2094	LU 11	2094	8821	68363	11671	11671	1	Si
55	0.101	7.6	0	1926	LU 11	1926	8821	68363	11671	11671	1	Si
74	0.101	7.6	0	1757	LU 11	1757	8821	68363	11671	11671	1	Si
83	0.101	7.6	0	1673	LU 11	1673	8821	68363	11671	11671	1	Si
102	0.103	7.6	0	1505	LU 11	1505	8821	68363	11980	11980	1	Si
120	0.103	7.6	0	1336	LU 11	1336	8821	68363	11980	11980	1	Si
139	0.103	9.91	0	1168	LU 11	1168	9635	68363	11980	11980	1	Si
157	0.103	7.6	0	1000	LU 11	1000	8821	68363	11980	11980	1	Si
176	0.103	7.6	0	832	LU 11	832	8821	68363	11980	11980	1	Si
194	0.101	7.6	0	663	LU 11	663	8821	68363	11671	11671	1	Si
213	0.101	7.6	0	495	LU 11	495	8821	68363	11671	11671	1	Si
222	0.101	7.6	0	411	LU 11	411	8821	68363	11671	11671	1	Si
240	0.101	7.6	0	243	LU 11	243	8821	68363	11671	11671	1	Si
257	0.101	9.47	0	117	LU 2	117	9492	68363	11671	11671	1	Si
257	0.101	9.47	0	-145	LU 17	-145	-9492	-68363	-11671	-11671	1	Si
259	0	9.47	0	107	LU 2	107	9492	68363	0	9492	1	Si
259	0	9.47	0	-159	LU 17	-159	-9492	-68363	0	-9492	1	Si
277	0	13.73	0	-327	LU 17	-327	-10742	-68363	0	-10742	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-390391	2	-371957	14.4	124.5	555.7	1837	-344901	2	-327474	12.7	93.4	0	+∞	Si
18	-357420	2	-357356	13.8	124.5	533.9	1837	-313792	2	-313734	12.1	93.4	0	+∞	Si
20	-354883	2	-354883	13.7	124.5	530.2	1837	-311406	2	-311406	12	93.4	0	+∞	Si
37	-326843	2	-354883	13.7	124.5	530.2	1837	-285077	2	-311406	12	93.4	0	+∞	Si
55	-298661	2	-344071	13.6	124.5	542.6	1837	-258756	2	-301240	11.9	93.4	0	+∞	Si
74	-272873	2	-314520	12.8	124.5	538	1837	-234829	2	-273550	11.1	93.4	0	+∞	Si
83	-260877	2	-300642	11.8	124.5	537.1	1837	-223764	2	-260603	10.8	93.4	0	+∞	Si
102	-238716	3	-274682	7.2	124.5	107.4	1837	-203429	2	-236504	10.6	93.4	0	+∞	Si
120	-218981	3	-251117	6.5	124.5	98.2	1837	-185489	2	-214800	9.6	93.4	0	+∞	Si
139	-201639	3	-230009	6	124.5	89.9	1837	-169943	2	-195491	8.8	93.4	0	+∞	Si
157	-186692	3	-211299	5.5	124.5	82.6	1837	-156791	2	-178576	8	93.4	0	+∞	Si
176	-174140	3	-194983	5.1	124.5	76.2	1837	-146033	2	-164055	7.4	93.4	0	+∞	Si
194	-163982	3	-181061	7.5	124.5	323.5	1837	-137670	2	-151928	6.3	93.4	0	+∞	Si
213	-156218	3	-169534	6.1	124.5	211.9	1837	-131702	2	-142196	5.1	93.4	0	+∞	Si
222	-153234	3	-164668	5.8	124.5	188.6	1837	-129615	2	-138228	4.9	93.4	0	+∞	Si
240	-149062	3	-156732	5.2	124.5	156.1	1837	-127238	2	-132087	4.4	93.4	0	+∞	Si
257	-147380	3	-151579	4.9	124.5	138.8	1837	-127206	2	-128583	4.2	93.4	0	+∞	Si
259	-147284	3	-147284	4.8	124.5	134.9	1837	-127256	2	-127256	4.1	93.4	0	+∞	Si
277	-147900	3	-146961	4.8	124.5	134.6	1837	-129667	2	-127757	4.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
18	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	1	-0.004	1	9999	Si
20	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
37	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
55	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.008	1	-0.009	1	9999	Si
74	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.011	1	9999	Si
83	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.011	1	-0.011	1	9999	Si
102	-0.005	-0.006	-0.004	-0.006	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
120	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.013	1	9999	Si
139	-0.005	-0.006	-0.004	-0.006	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
157	-0.004	-0.006	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.011	1	-0.012	1	9999	Si
176	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.011	1	9999	Si
194	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
213	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.008	1	9999	Si
222	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
240	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
257	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
259	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si

Campata 5 tra i fili 61 - 58, sezione R 40x70, asta 1121

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-718633	LU 12	-653864	-2315301	0.107	Si
19	19.01	5.4	7.6	5.4						-596068	LU 12	-595990	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-590883	LU 12	-590883	-2315301	0.107	Si
38	17.28	5.4	7.6	5.4						-476848	LU 12	-590883	-2110853	0.102	Si
58	15.47	5.4	7.6	5.4						-360973	LU 12	-537994	-1896908	0.097	Si
67	14.57	5.4	7.6	5.4	-186849	LU 1	584	963599	0.08	-304290	LU 12	-478775	-1789803	0.094	Si
86	11.4	5.4	7.6	5.4	-119242	LU 1	18144	963377	0.08	-193432	LU 12	-362846	-1414576	0.086	Si
105	10.5	5.4	7.6	5.4	-54207	LU 1	71391	963294	0.079	-85919	LU 12	-250261	-1307258	0.084	Si
125	9.6	5.4	7.6	5.4	19030	LU 11	170300	963199	0.079	4971	LU 8	-141021	-1199910	0.082	Si
144	7.6	5.4	7.6	5.4	119666	LU 11	265865	962923	0.078	65709	LU 8	-36931	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	216958	LU 11	358084	962923	0.078						Si
182	7.6	5.4	7.6	5.4	310904	LU 11	447022	962923	0.078						Si
201	7.6	5.4	12.62	5.4	401506	LU 11	532739	1559328	0.089						Si
211	7.6	5.4	13.91	5.4	445613	LU 12	574343	1712471	0.093						Si
230	7.6	5.4	12.65	5.4	531384	LU 12	655043	1563055	0.089						Si
249	7.6	5.4	15.3	5.4	613811	LU 12	689513	1876892	0.096						Si
268	7.6	5.4	19.01	5.4	689513	LU 12	689513	2315301	0.107						Si
268	7.6	5.4	19.01	5.4	692892	LU 12	692793	2315301	0.107						Si
288	7.6	5.4	19.01	5.4	768629	LU 12	729965	2315301	0.107						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.57	0	6480	LU 12	6480	10955	68363	0	10955	1	Si
10	0	11.4	0	6393	LU 12	6393	10097	68363	0	10097	1	Si
19	0	11.4	0	6306	LU 12	6306	10097	68363	0	10097	1	Si
20	0.129	11.4	0	6298	LU 12	6298	10097	68363	15005	15005	1	Si
38	0.129	10.5	0	6131	LU 12	6131	9823	68363	15005	15005	1	Si
58	0.129	9.6	0	5957	LU 12	5957	9533	68363	15005	15005	1	Si
67	0.129	9.14	0	5870	LU 12	5870	9381	68363	15005	15005	1	Si
86	0.129	7.6	0	5695	LU 12	5695	8821	68363	15005	15005	1	Si
105	0.121	7.6	0	5521	LU 12	5521	8821	68363	14103	14103	1	Si
125	0.121	7.6	0	5346	LU 12	5346	8821	68363	14103	14103	1	Si
144	0.121	7.6	0	5172	LU 12	5172	8821	68363	14103	14103	1	Si
163	0.121	7.6	0	4997	LU 12	4997	8821	68363	14103	14103	1	Si
182	0.121	7.6	0	4823	LU 12	4823	8821	68363	14103	14103	1	Si
201	0.115	7.6	0	4648	LU 12	4648	8821	68363	13338	13338	1	Si
211	0.115	7.6	0	4561	LU 12	4561	8821	68363	13338	13338	1	Si
230	0.115	7.6	0	4387	LU 12	4387	8821	68363	13338	13338	1	Si
249	0.115	7.6	0	4212	LU 12	4212	8821	68363	13338	13338	1	Si
268	0.115	12.62	0	4045	LU 12	4045	10445	68363	13338	13338	1	Si
268	0	12.62	0	4038	LU 12	4038	10445	68363	0	10445	1	Si
288	0	13.95	0	3863	LU 12	3863	10797	68363	0	10797	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-538254	3	-489660	15.9	124.5	448.4	1837	-471693	2	-428710	13.9	93.4	0	+∞	Si
19	-446329	3	-446271	14.5	124.5	408.7	1837	-390524	2	-390476	12.7	93.4	0	+∞	Si
20	-442442	3	-442442	14.4	124.5	405.2	1837	-387102	2	-387102	12.6	93.4	0	+∞	Si
38	-356977	3	-442442	14.8	124.5	443.8	1837	-311928	2	-387102	13	93.4	0	+∞	Si
58	-270198	3	-402796	14	124.5	449	1837	-235905	2	-352194	12.2	93.4	0	+∞	Si
67	-227773	3	-358421	12.7	124.5	423.3	1837	-198858	2	-313197	11.1	93.4	0	+∞	Si
86	-144854	3	-271600	10.5	124.5	405.8	1837	-126694	2	-237132	9.2	93.4	0	+∞	Si
105	-64507	3	-187352	7.5	124.5	303.1	1837	-57104	2	-163640	6.5	93.4	0	+∞	Si
125	13787	2	126606	3.2	124.5	48.9	1837	9914	2	106613	4.6	93.4	0	+∞	Si
144	88863	2	197781	5.2	124.5	77.3	1837	74359	2	167157	7.5	93.4	0	+∞	Si
163	161366	2	266382	6.9	124.5	104.1	1837	136231	2	225127	10.1	93.4	0	+∞	Si
182	231296	2	332453	8.7	124.5	129.9	1837	195530	2	280525	12.6	93.4	0	+∞	Si
201	298654	2	396034	14.8	124.5	536.6	1837	252256	2	333349	11.8	93.4	0	+∞	Si
211	331407	3	426859	15.4	124.5	526.7	1837	279654	2	358797	12.9	93.4	0	+∞	Si
230	395030	3	486580	18.1	124.5	657.7	1837	332520	2	407762	15.2	93.4	0	+∞	Si
249	456079	3	512058	17.9	124.5	576.9	1837	382814	2	428501	15	93.4	0	+∞	Si
268	512058	3	512058	16.6	124.5	468.9	1837	428501	2	428501	13.9	93.4	0	+∞	Si
268	514555	3	514481	16.7	124.5	471.1	1837	430535	2	430470	14	93.4	0	+∞	Si
288	570459	3	541946	17.6	124.5	496.3	1837	475682	2	452779	14.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
19	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
38	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
58	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
67	0	-0.001	0	-0.001	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
86	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
105	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
125	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
144	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
163	0.003	0.002	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
182	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
201	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
211	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
230	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.006	2	9999	Si
249	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
268	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
268	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si

Campata 6 tra i fili 58 - 55, sezione R 40x70, asta 1122

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	377621	LU 12	377621	2315301	0.107						Si
19	7.6	5.4	19.01	5.4	412997	LU 12	412997	2315301	0.107						Si
20	7.6	5.4	19.01	5.4	414729	LU 12	462215	2315301	0.107						Si
38	7.6	5.4	18.15	5.4	445088	LU 12	487807	2214099	0.104						Si
57	7.6	5.4	15.59	5.4	473895	LU 12	511587	1911312	0.097						Si
76	7.6	5.4	11.4	5.4	499416	LU 12	532082	1414576	0.086						Si
85	7.6	5.4	11.4	5.4	510945	LU 12	541097	1414576	0.086						Si
104	7.6	5.4	11.4	5.4	531538	LU 12	556665	1414576	0.086						Si
123	7.6	5.4	11.4	5.4	548846	LU 12	568947	1414576	0.086						Si
142	7.6	5.4	11.4	5.4	562870	LU 12	577944	1414576	0.086						Si
161	7.6	5.4	11.4	5.4	573608	LU 12	583656	1414576	0.086						Si
180	7.6	5.4	11.4	5.4	581061	LU 12	586083	1414576	0.086						Si
190	7.6	5.4	11.4	5.4	583556	LU 12	586112	1414576	0.086						Si
199	7.6	5.4	11.4	5.4	585229	LU 12	586112	1414576	0.086						Si
218	7.6	5.4	11.4	5.4	586112	LU 12	586112	1414576	0.086						Si
228	7.6	5.4	13.5	5.4	585322	LU 12	586112	1663095	0.092						Si
247	7.6	5.4	14.78	5.4	581277	LU 12	586112	1814758	0.095						Si
265	7.6	5.4	15.21	5.4	574376	LU 12	583976	1865528	0.096						Si
266	7.6	5.4	15.21	5.4	573947	LU 12	573924	1865528	0.096						Si
285	7.6	5.4	15.21	5.4	563332	LU 12	563332	1865528	0.096						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	1948	LU 12	1948	10097	68363	0	10097	1	Si
19	0	11.4	0	1775	LU 12	1775	10097	68363	0	10097	1	Si
20	0.086	11.4	0	1766	LU 12	1766	10097	68363	10004	10097	1	Si
38	0.086	11.4	0	1603	LU 12	1603	10097	68363	10004	10097	1	Si
57	0.086	11.4	0	1430	LU 12	1430	10097	68363	10004	10097	1	Si
76	0.086	11.4	0	1257	LU 12	1257	10097	68363	10004	10097	1	Si
85	0.086	11.4	0	1170	LU 12	1170	10097	68363	10004	10097	1	Si
104	0.063	11.4	0	997	LU 12	997	10097	68363	7336	10097	1	Si
123	0.063	11.4	0	825	LU 12	825	10097	68363	7336	10097	1	Si
142	0.063	11.4	0	652	LU 12	652	10097	68363	7336	10097	1	Si
161	0.063	11.4	0	479	LU 12	479	10097	68363	7336	10097	1	Si
180	0.063	11.4	0	306	LU 12	306	10097	68363	7336	10097	1	Si
199	0.063	11.4	0	133	LU 12	133	10097	68363	7336	10097	1	Si
218	0.063	11.4	0	-113	LU 10	-113	-10097	-68363	-7336	-10097	1	Si
228	0.063	11.4	0	-200	LU 10	-200	-10097	-68363	-7336	-10097	1	Si
247	0.063	11.4	0	-372	LU 10	-372	-10097	-68363	-7336	-10097	1	Si
265	0.063	11.4	0	-536	LU 10	-536	-10097	-68363	-7336	-10097	1	Si
266	0	11.4	0	-545	LU 10	-545	-10097	-68363	0	-10097	1	Si
285	0	11.4	0	-718	LU 10	-718	-10097	-68363	0	-10097	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	277228	3	277228	9	124.5	253.9	1837	216817	2	216817	7	93.4	0	+∞	Si
19	304298	3	304298	9.9	124.5	278.7	1837	243231	2	243231	7.9	93.4	0	+∞	Si
20	305623	3	341932	11.1	124.5	313.1	1837	244522	2	279828	9.1	93.4	0	+∞	Si
38	328841	3	361484	11.9	124.5	345.9	1837	267119	2	298758	9.9	93.4	0	+∞	Si
57	350858	3	379634	13.2	124.5	420.1	1837	288479	2	316252	11	93.4	0	+∞	Si
76	370347	3	395257	15.3	124.5	590.5	1837	307312	2	331219	12.8	93.4	0	+∞	Si
85	379144	3	402120	15.5	124.5	600.8	1837	315781	2	337754	13	93.4	0	+∞	Si
104	394842	3	413953	16	124.5	618.4	1837	330824	2	348931	13.5	93.4	0	+∞	Si
123	408014	3	423258	16.4	124.5	632.3	1837	343340	2	357580	13.8	93.4	0	+∞	Si
142	418659	3	430036	16.6	124.5	642.5	1837	353329	2	363703	14.1	93.4	0	+∞	Si
161	426776	3	434288	16.8	124.5	648.8	1837	360791	2	367298	14.2	93.4	0	+∞	Si
180	432367	3	436015	16.8	124.5	651.4	1837	365725	2	368389	14.2	93.4	0	+∞	Si
199	435431	3	436015	16.8	124.5	651.4	1837	368133	2	368389	14.2	93.4	0	+∞	Si
218	435968	3	436015	16.8	124.5	651.4	1837	368014	2	368389	14.2	93.4	0	+∞	Si
228	435288	3	436015	15.9	124.5	554	1837	367007	2	368389	13.4	93.4	0	+∞	Si
247	432034	3	435970	15.4	124.5	507.8	1837	363097	2	368036	13	93.4	0	+∞	Si
265	426591	3	434194	15.2	124.5	492.1	1837	357032	2	365639	12.8	93.4	0	+∞	Si
266	426254	3	426236	14.9	124.5	483.1	1837	356660	2	356644	12.5	93.4	0	+∞	Si
285	417946	3	417946	14.6	124.5	473.7	1837	347697	2	347697	12.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
19	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
20	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.006	2	0.005	2	9999	Si
38	0.005	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.009	2	9999	Si
57	0.008	0.006	0.007	0.005	0.007	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
76	0.01	0.007	0.009	0.007	0.008	0.007	0.008	0.007	0.008	0.007	0.018	2	0.016	2	9999	Si
85	0.01	0.008	0.009	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.019	2	0.018	2	9999	Si
104	0.012	0.009	0.01	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.022	2	0.02	2	9999	Si
123	0.012	0.01	0.011	0.008	0.011	0.01	0.01	0.008	0.01	0.01	0.023	2	0.021	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
142	0.013	0.01	0.011	0.009	0.011	0.01	0.01	0.009	0.011	0.01	0.024	2	0.022	2	9999	Si
161	0.013	0.01	0.011	0.009	0.011	0.01	0.01	0.009	0.011	0.01	0.024	2	0.022	2	9999	Si
180	0.012	0.009	0.011	0.008	0.011	0.009	0.009	0.008	0.01	0.009	0.022	2	0.021	2	9999	Si
199	0.011	0.008	0.01	0.007	0.01	0.008	0.009	0.007	0.009	0.008	0.02	2	0.019	2	9999	Si
218	0.009	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.017	2	0.016	2	9999	Si
228	0.008	0.006	0.007	0.006	0.007	0.006	0.007	0.006	0.007	0.006	0.016	2	0.014	2	9999	Si
247	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
265	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
266	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.006	2	0.006	2	9999	Si

Campata 7 tra i fili 55 - 50, sezione R 40x70, asta 1123

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	656484	LU 12	632314	1865528	0.096						Si
20	7.6	5.4	15.21	5.4	606332	LU 12	606332	1865528	0.096						Si
40	7.6	5.4	14.62	5.4	551627	LU 12	606332	1796170	0.094						Si
61	7.6	5.4	13.26	5.4	493648	LU 12	575999	1635115	0.091						Si
71	7.6	5.4	11.4	5.4	463270	LU 12	548289	1414576	0.086						Si
81	7.6	5.4	11.4	5.4	431967	LU 12	519654	1414576	0.086						Si
91	7.6	5.4	11.4	5.4	399739	LU 12	490093	1414576	0.086						Si
111	7.6	5.4	11.4	5.4	332507	LU 12	428196	1414576	0.086						Si
131	7.6	5.4	11.4	5.4	261574	LU 12	362598	1414576	0.086						Si
151	7.6	5.4	11.4	5.4	186941	LU 12	293299	1414576	0.086						Si
171	7.6	5.4	11.4	5.4	108606	LU 12	220299	1414576	0.086	67796	LU 1	-11760	-963377	0.08	Si
192	9.98	5.4	11.4	5.4	32442	LU 17	143598	1414449	0.086	19323	LU 2	-98982	-1245265	0.083	Si
212	10.93	5.4	11.4	5.4	-24007	LU 8	65276	1414421	0.086	-59971	LU 11	-189904	-1358019	0.085	Si
232	11.4	5.4	11.4	5.4	-77010	LU 8	979	1414397	0.086	-149259	LU 11	-284527	-1414397	0.086	Si
242	15.19	5.4	11.4	5.4						-195291	LU 11	-333227	-1863109	0.092	Si
262	17.09	5.4	11.4	5.4						-290131	LU 11	-389509	-2088353	0.096	Si
283	19.01	5.4	11.4	5.4						-389509	LU 11	-389509	-2315219	0.1	Si
303	19.01	5.4	11.4	5.4						-490913	LU 11	-439305	-2315219	0.1	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.26	0	-2416	LU 12	-2416	-10618	-68363	0	-10618	1	Si
20	0.115	11.4	0	-2598	LU 12	-2598	-10097	-68363	-13338	-13338	1	Si
40	0.115	11.4	0	-2783	LU 12	-2783	-10097	-68363	-13338	-13338	1	Si
61	0.115	11.4	0	-2967	LU 12	-2967	-10097	-68363	-13338	-13338	1	Si
81	0.115	11.4	0	-3150	LU 12	-3150	-10097	-68363	-13338	-13338	1	Si
91	0.115	11.4	0	-3242	LU 12	-3242	-10097	-68363	-13338	-13338	1	Si
111	0.115	11.4	0	-3426	LU 12	-3426	-10097	-68363	-13338	-13338	1	Si
131	0.115	11.4	0	-3609	LU 12	-3609	-10097	-68363	-13338	-13338	1	Si
151	0.115	11.4	0	-3793	LU 12	-3793	-10097	-68363	-13338	-13338	1	Si
171	0.115	11.4	0	-3976	LU 12	-3976	-10097	-68363	-13338	-13338	1	Si
192	0.115	11.4	0	-4160	LU 12	-4160	-10097	-68363	-13338	-13338	1	Si
212	0.115	7.6	0	-4343	LU 12	-4343	-8821	-68363	-13338	-13338	1	Si
232	0.129	7.6	0	-4527	LU 12	-4527	-8821	-68363	-15005	-15005	1	Si
242	0.129	9.5	0	-4618	LU 12	-4618	-9501	-68363	-15005	-15005	1	Si
262	0.129	10.45	0	-4802	LU 12	-4802	-9808	-68363	-15005	-15005	1	Si
283	0.129	11.4	0	-4987	LU 12	-4987	-10097	-68363	-15005	-15005	1	Si
292	0	11.4	0	-5077	LU 12	-5077	-10097	-68363	0	-10097	1	Si
303	0	15.19	0	-5169	LU 12	-5169	-11109	-68363	0	-11109	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	484429	3	466914	16.3	124.5	529.2	1837	390415	2	377814	13.2	93.4	0	+∞	Si
20	448004	3	448004	15.7	124.5	507.8	1837	363819	2	363819	12.7	93.4	0	+∞	Si
40	408114	3	448004	15.9	124.5	527.2	1837	333921	2	363819	12.9	93.4	0	+∞	Si
61	365686	3	425903	15.6	124.5	550.3	1837	301403	2	347334	12.7	93.4	0	+∞	Si
81	320411	3	384731	14.9	124.5	574.8	1837	266039	2	316074	12.2	93.4	0	+∞	Si
91	296706	3	363078	14	124.5	541.8	1837	247289	2	299376	11.6	93.4	0	+∞	Si
111	247160	3	317637	12.3	124.5	474.5	1837	207655	2	263845	10.2	93.4	0	+∞	Si
131	194768	3	269348	10.4	124.5	401.8	1837	165173	2	225467	8.7	93.4	0	+∞	Si
151	139529	3	218213	8.4	124.5	326	1837	119845	2	184242	7.1	93.4	0	+∞	Si
171	81443	3	164231	6.3	124.5	245.4	1837	71669	2	140171	5.4	93.4	0	+∞	Si
192	24425	8	107402	4	124.5	160.1	1837	20978	1	93252	3.5	93.4	0	+∞	Si
212	-43805	2	-140646	5.2	124.5	218.2	1837	-33222	2	-115919	4.3	93.4	0	+∞	Si
232	-110332	2	-211276	7.7	124.5	314.5	1837	-89937	2	-176739	6.4	93.4	0	+∞	Si
242	-144663	2	-247659	8.2	124.5	279.6	1837	-119363	2	-208216	6.9	93.4	0	+∞	Si
262	-215461	2	-289731	9.2	124.5	292.1	1837	-180349	2	-244727	7.8	93.4	0	+∞	Si
283	-289731	2	-289731	8.9	124.5	263.8	1837	-244727	2	-244727	7.5	93.4	0	+∞	Si
303	-365596	2	-326966	10.1	124.5	297.7	1837	-310862	2	-277097	8.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
40	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
61	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
81	0.005	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si
91	0.005	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.009	2	9999	Si
101	0.005	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.009	2	9999	Si
111	0.005	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.009	2	9999	Si
131	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.004	0.004	0.01	2	0.009	2	9999	Si
151	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
171	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
192	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
212	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
232	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
242	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
262	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
283	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Campata 8 tra i fili 50 - 36C, sezione R 40x70, asta 1124

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	11.4	5.4						-265446	LU 11	-247380	-2315219	0.1	Si
20	19.01	5.4	11.4	5.4						-231028	LU 11	-231028	-2315219	0.1	Si
45	16.47	5.4	11.4	5.4						-192420	LU 11	-231028	-2015494	0.095	Si
68	13.27	5.4	11.4	5.4						-162920	LU 11	-201744	-1635660	0.089	Si
91	9.12	5.4	11.4	5.4	-67859	LU 8	15285	1414494	0.086	-138096	LU 11	-170924	-1143868	0.082	Si
102	7.6	5.4	11.4	5.4	-59582	LU 8	26681	1414576	0.086	-127437	LU 11	-157267	-963377	0.08	Si
125	7.6	5.4	11.4	5.4	-45725	LU 8	44214	1414576	0.086	-109625	LU 11	-133459	-963377	0.08	Si
147	7.6	5.4	11.4	5.4	-35465	LU 8	54733	1414576	0.086	-96489	LU 11	-114327	-963377	0.08	Si
170	12.32	5.4	11.4	5.4	-28801	LU 8	58240	1414363	0.085	-88029	LU 11	-99870	-1522566	0.087	Si
193	15.52	5.4	11.4	5.4	-24450	LU 1	54733	1414291	0.085	-84429	LU 12	-90089	-1902471	0.093	Si
215	18.73	5.4	11.4	5.4	-23229	LU 1	44214	1414238	0.085	-85705	LU 12	-94329	-2281995	0.1	Si
238	19.01	5.4	11.4	5.4	-25605	LU 1	26681	1414222	0.085	-91657	LU 12	-106277	-2315219	0.1	Si
261	19.01	5.4	17.42	5.4	-31577	LU 1	2135	2126712	0.092	-102284	LU 12	-122900	-2314756	0.095	Si
272	19.01	5.4	18.95	5.4						-109351	LU 12	-132965	-2314596	0.094	Si
295	19.01	5.4	19.01	5.4						-126991	LU 12	-152345	-2314628	0.094	Si
320	19.01	5.4	19.01	5.4						-152345	LU 12	-152345	-2314628	0.094	Si
340	19.01	5.4	19.01	5.4						-176298	LU 12	-163464	-2314628	0.094	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.27	0	1926	LU 10	1926	10620	68363	0	10620	1	Si
11	0	9.66	0	1823	LU 10	1823	9553	68363	0	9553	1	Si
20	0.115	9.66	0	1744	LU 10	1744	9553	68363	13338	13338	1	Si
45	0.115	7.6	0	1514	LU 10	1514	8821	68363	13338	13338	1	Si
68	0.115	7.6	0	1308	LU 10	1308	8821	68363	13338	13338	1	Si
91	0.101	7.6	0	1101	LU 10	1101	8821	68363	11671	11671	1	Si
102	0.101	12.32	0	998	LU 10	998	10359	68363	11671	11671	1	Si
125	0.101	14.87	0	792	LU 10	792	11031	68363	11671	11671	1	Si
147	0.101	9.66	0	586	LU 10	586	9553	68363	11671	11671	1	Si
170	0.101	7.6	0	379	LU 10	379	8821	68363	11671	11671	1	Si
193	0.101	7.6	0	173	LU 10	173	8821	68363	11671	11671	1	Si
193	0.101	7.6	0	-21	LU 9	-21	-8821	-68363	-11671	-11671	1	Si
215	0.101	7.6	0	-187	LU 18	-187	-8821	-68363	-11671	-11671	1	Si
238	0.101	12.32	0	-393	LU 18	-393	-10359	-68363	-11671	-11671	1	Si
261	0.115	15.52	0	-599	LU 18	-599	-11190	-68363	-13338	-13338	1	Si
272	0.115	17.12	0	-702	LU 18	-702	-11562	-68363	-13338	-13338	1	Si
295	0.115	19.01	0	-909	LU 18	-909	-11971	-68363	-13338	-13338	1	Si
320	0.115	19.01	0	-1139	LU 18	-1139	-11971	-68363	-13338	-13338	1	Si
340	0	19.01	0	-1321	LU 18	-1321	-11971	-68363	0	-11971	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-200968	2	-186959	5.7	124.5	170.2	1837	-186313	2	-171794	5.3	93.4	0	+∞	Si
20	-174269	2	-174269	5.4	124.5	158.7	1837	-158594	2	-158594	4.9	93.4	0	+∞	Si
45	-144286	2	-174269	5.6	124.5	182	1837	-127319	2	-158594	5.1	93.4	0	+∞	Si
68	-121340	2	-151531	5.2	124.5	194.9	1837	-103217	2	-134890	4.7	93.4	0	+∞	Si
91	-101990	2	-127569	5	124.5	235.7	1837	-82711	2	-109772	4.3	93.4	0	+∞	Si
102	-93664	2	-116936	2.9	124.5	44.8	1837	-73807	2	-98562	4.2	93.4	0	+∞	Si
125	-79709	2	-98368	1.8	124.5	37.7	1837	-58696	2	-78838	3.3	93.4	0	+∞	Si
147	-69350	2	-83397	2.1	124.5	31.9	1837	-47181	2	-62711	2.7	93.4	0	+∞	Si
170	-62588	2	-72023	2.6	124.5	99.5	1837	-39263	2	-50180	1.8	93.4	0	+∞	Si
193	-59546	3	-64244	2.1	124.5	71	1837	-34942	2	-41246	1.4	93.4	0	+∞	Si
215	-60234	3	-66491	2.1	124.5	61.4	1837	-34216	2	-38660	1.2	93.4	0	+∞	Si
238	-64519	3	-75388	2.3	124.5	68.6	1837	-37087	2	-46144	1.4	93.4	0	+∞	Si
261	-72400	3	-87882	2.5	124.5	79.5	1837	-43555	2	-57224	1.6	93.4	0	+∞	Si
272	-77689	3	-95477	2.7	124.5	86.2	1837	-48137	2	-64113	1.8	93.4	0	+∞	Si
295	-90965	3	-110139	3.1	124.5	99.4	1837	-60000	2	-77594	2.2	93.4	0	+∞	Si
320	-110139	3	-110139	3.1	124.5	99.4	1837	-77594	2	-77594	2.2	93.4	0	+∞	Si
340	-128305	3	-118563	3.3	124.5	107	1837	-94513	2	-85394	1.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
45	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
68	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
91	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
102	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
125	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
136	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
147	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
170	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
193	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
215	-0.001	-0.003	-0.002	-0.003	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.004	1	-0.005	1	9999	Si
238	-0.001	-0.003	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	1	-0.004	1	9999	Si
261	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
272	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
295	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
320	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	0	-0.001	1	-0.001	1	9999	Si

Trave a "Piano 2" 70-72

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 70 - 71, sezione R 40x70, asta 1108

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-221930	LU 11	-140880	-963377	0.08	Si
20	7.6	5.4	11.4	5.4	45376	LU 8	238545	1414576	0.086	-64185	LU 11	-64185	-963377	0.08	Si
23	7.6	5.4	11.4	5.4	64407	LU 17	257436	1414576	0.086	-43433	LU 2	-64185	-963377	0.08	Si
46	7.6	5.4	11.4	5.4	219214	LU 17	395217	1414576	0.086	89774	LU 2	-64185	-963377	0.08	Si
69	7.6	5.4	11.4	5.4	360631	LU 17	518944	1414576	0.086						Si
92	7.6	5.4	11.4	5.4	488136	LU 17	637764	1414576	0.086						Si
104	7.6	5.4	11.4	5.4	547979	LU 18	692066	1414576	0.086						Si
127	7.6	5.4	11.4	5.4	664354	LU 18	789061	1414576	0.086						Si
150	7.6	5.4	11.4	5.4	765479	LU 18	870131	1414576	0.086						Si
173	7.6	5.4	11.4	5.4	850821	LU 18	934741	1414576	0.086						Si
196	7.6	5.4	11.4	5.4	919843	LU 18	982356	1414576	0.086						Si
219	7.6	5.4	11.4	5.4	972012	LU 18	1014645	1414576	0.086						Si
242	7.6	5.4	11.4	5.4	1006793	LU 18	1036838	1414576	0.086						Si
265	7.6	5.4	11.4	5.4	1033203	LU 12	1042571	1414576	0.086						Si
276	7.6	5.4	11.4	5.4	1040090	LU 12	1042571	1414576	0.086						Si
299	7.6	5.4	17.07	5.4	1040582	LU 12	1042571	2086694	0.101						Si
322	7.6	5.4	19.01	5.4	1022951	LU 12	1041632	2315301	0.107						Si
325	7.6	5.4	19.01	5.4	1018838	LU 12	1041113	2315301	0.107						Si
345	7.6	5.4	19.01	5.4	986495	LU 12	986495	2315301	0.107						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	8133	LU 11	8133	8821	68363	0	8821	1	Si
20	0.086	7.6	0	7669	LU 11	7669	8821	68363	10004	10004	1	Si
23	0.086	7.6	0	7599	LU 11	7599	8821	68363	10004	10004	1	Si
46	0.086	11.4	0	7057	LU 11	7057	10097	68363	10004	10097	1	Si
69	0.086	11.4	0	6495	LU 11	6495	10097	68363	10004	10097	1	Si
92	0.064	11.4	0	5912	LU 11	5912	10097	68363	7450	10097	1	Si
104	0.064	11.4	0	5612	LU 11	5612	10097	68363	7450	10097	1	Si
127	0.064	11.4	0	4996	LU 11	4996	10097	68363	7450	10097	1	Si
150	0.064	11.4	0	4359	LU 11	4359	10097	68363	7450	10097	1	Si
173	0.064	11.4	0	3700	LU 11	3700	10097	68363	7450	10097	1	Si
196	0.064	11.4	0	3020	LU 11	3020	10097	68363	7450	10097	1	Si
219	0.064	11.4	0	2318	LU 11	2318	10097	68363	7450	10097	1	Si
242	0.064	11.4	0	1595	LU 11	1595	10097	68363	7450	10097	1	Si
265	0.064	11.4	0	850	LU 11	850	10097	68363	7450	10097	1	Si
265	0.064	11.4	0	-174	LU 8	-174	-10097	-68363	-7450	-10097	1	Si
276	0.064	11.4	0	515	LU 2	515	10097	68363	7450	10097	1	Si
276	0.064	11.4	0	-536	LU 17	-536	-10097	-68363	-7450	-10097	1	Si
299	0.064	11.4	0	-1361	LU 17	-1361	-10097	-68363	-7450	-10097	1	Si
322	0.064	11.4	0	-2210	LU 17	-2210	-10097	-68363	-7450	-10097	1	Si
325	0.064	11.4	0	-2323	LU 17	-2323	-10097	-68363	-7450	-10097	1	Si
345	0	11.4	0	-3118	LU 17	-3118	-10097	-68363	0	-10097	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-163850	2	-102188	2.5	124.5	39.1	1837	-132611	2	-74062	3.1	93.4	0	+∞	Si
20	27536	8	177802	6.9	124.5	265.6	1837								Si
20	-43876	2	-43876	1.1	124.5	16.8	1837	-18864	2	-18864	0.8	93.4	0	+∞	Si
23	44026	8	192319	7.4	124.5	287.3	1837	8163	1	155212	6	93.4	0	+∞	Si
23	-26234	2	-43876	1.1	124.5	16.8	1837	-2156	2	-18864	0.8	93.4	0	+∞	Si
46	162946	8	298234	11.5	124.5	445.6	1837	126026	1	260670	10.1	93.4	0	+∞	Si
69	271638	8	393416	15.2	124.5	587.8	1837	234132	1	355899	13.7	93.4	0	+∞	Si
92	369705	8	483911	18.7	124.5	723	1837	332109	1	443283	17.1	93.4	0	+∞	Si
104	415610	9	525208	20.3	124.5	784.7	1837	377602	2	483028	18.7	93.4	0	+∞	Si
127	504136	9	598936	23.1	124.5	894.8	1837	462740	2	554085	21.4	93.4	0	+∞	Si
150	581018	9	660506	25.5	124.5	986.8	1837	536797	2	613578	23.7	93.4	0	+∞	Si
173	645849	9	709510	27.4	124.5	1060	1837	599390	2	661125	25.5	93.4	0	+∞	Si
196	698221	9	745540	28.8	124.5	1113.8	1837	650139	2	696347	26.9	93.4	0	+∞	Si
219	737728	9	769659	29.7	124.5	1149.9	1837	688663	2	718862	27.8	93.4	0	+∞	Si
242	763962	9	785302	30.3	124.5	1173.2	1837	714580	2	728288	28.1	93.4	0	+∞	Si
265	782883	3	788660	30.5	124.5	1178.3	1837	727509	2	728984	28.2	93.4	0	+∞	Si
276	787466	3	788660	30.5	124.5	1178.3	1837	728984	2	728984	28.2	93.4	0	+∞	Si
299	786416	3	788660	26.5	124.5	800.1	1837	721716	2	728984	24.5	93.4	0	+∞	Si
322	771425	3	787601	25.6	124.5	721.2	1837	700508	2	724542	23.5	93.4	0	+∞	Si
325	768075	3	787015	25.6	124.5	720.7	1837	696347	2	723145	23.5	93.4	0	+∞	Si
345	741953	3	741953	24.1	124.5	679.4	1837	664819	2	664819	21.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
23	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.01	2	9999	Si
46	0.01	0.009	0.008	0.008	0.009	0.009	0.008	0.008	0.009	0.009	0.02	2	0.019	2	9999	Si
69	0.014	0.013	0.013	0.011	0.013	0.013	0.012	0.011	0.013	0.013	0.029	2	0.029	2	9999	Si
92	0.019	0.017	0.016	0.015	0.017	0.017	0.015	0.015	0.017	0.017	0.037	2	0.037	2	9207	Si
104	0.02	0.019	0.018	0.016	0.019	0.019	0.017	0.016	0.019	0.019	0.041	2	0.041	2	8353	Si
127	0.024	0.021	0.021	0.019	0.022	0.021	0.019	0.019	0.022	0.021	0.048	2	0.047	2	7204	Si
150	0.026	0.024	0.023	0.021	0.024	0.024	0.021	0.021	0.024	0.024	0.053	2	0.052	2	6536	Si
173	0.027	0.025	0.024	0.022	0.026	0.025	0.022	0.022	0.025	0.025	0.056	2	0.055	2	6192	Si
196	0.028	0.025	0.024	0.022	0.026	0.025	0.023	0.022	0.026	0.025	0.056	2	0.055	2	6111	Si
219	0.027	0.024	0.023	0.021	0.025	0.024	0.022	0.021	0.025	0.024	0.055	2	0.054	2	6294	Si
242	0.025	0.023	0.022	0.02	0.023	0.023	0.02	0.02	0.023	0.023	0.051	2	0.05	2	6810	Si
265	0.021	0.02	0.019	0.017	0.02	0.02	0.018	0.017	0.02	0.02	0.044	2	0.043	2	7861	Si
276	0.019	0.018	0.017	0.015	0.018	0.018	0.016	0.015	0.018	0.018	0.04	2	0.039	2	8732	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
299	0.014	0.013	0.012	0.011	0.013	0.013	0.012	0.011	0.013	0.013	0.029	2	0.028	2	9999	Si
322	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.015	2	9999	Si
325	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si

Campata 3 tra i fili 71 - 71A, sezione R 40x70, asta 1109

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4	797575	LU 12	795620	2315301	0.107						Si
17	7.6	5.4	19.01	5.4	789647	LU 12	789319	2315301	0.107						Si
20	7.6	5.4	19.01	5.4	786899	LU 12	786899	2315301	0.107						Si
34	7.6	5.4	19.01	5.4	771522	LU 12	786899	2315301	0.107						Si
51	7.6	5.4	18.95	5.4	743200	LU 12	785131	2308068	0.107						Si
59	7.6	5.4	17.8	5.4	725215	LU 12	775864	2172738	0.103						Si
76	7.6	5.4	15.51	5.4	681741	LU 11	749683	1901772	0.097						Si
85	7.6	5.4	11.4	5.4	656642	LU 11	732769	1414576	0.086						Si
93	7.6	5.4	11.4	5.4	628994	LU 11	713305	1414576	0.086						Si
110	7.6	5.4	11.4	5.4	566050	LU 11	667183	1414576	0.086						Si
127	7.6	5.4	11.4	5.4	492909	LU 11	611480	1414576	0.086						Si
144	7.6	5.4	11.4	5.4	409571	LU 11	545579	1414576	0.086						Si
161	11.28	5.4	15.51	5.4	316035	LU 11	469480	1901345	0.093						Si
178	12.88	5.4	17.8	5.4	212301	LU 11	383184	2172355	0.096	128016	LU 8	-24146	-1589308	0.087	Si
187	13.68	5.4	18.95	5.4	156611	LU 11	336213	2307785	0.098	86252	LU 8	-86927	-1684201	0.087	Si
204	15.21	5.4	19.01	5.4	37582	LU 11	234621	2314940	0.096	-3642	LU 8	-217199	-1864520	0.089	Si
221	15.21	5.4	19.01	5.4	-69417	LU 2	122832	2314940	0.096	-124252	LU 17	-217199	-1864520	0.089	Si
232	15.21	5.4	19.01	5.4	-141032	LU 1	41658	2314940	0.096	-217199	LU 18	-217199	-1864520	0.089	Si
238	15.21	5.4	19.01	5.4						-264513	LU 18	-258504	-1864520	0.089	Si
255	15.21	5.4	19.01	5.4						-418888	LU 18	-313450	-1864520	0.089	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.66	0	623	LU 15	623	11456	68363	0	11456	1	Si
0	0	16.66	0	-272	LU 3	-272	-11456	-68363	0	-11456	1	Si
17	0	11.4	0	18	LU 6	18	10097	68363	0	10097	1	Si
17	0	11.4	0	-766	LU 12	-766	-10097	-68363	0	-10097	1	Si
20	0.201	11.4	0	-872	LU 12	-872	-10097	-68363	-23342	-23342	1	Si
34	0.201	11.4	0	-1366	LU 12	-1366	-10097	-68363	-23342	-23342	1	Si
51	0.201	11.4	0	-1966	LU 12	-1966	-10097	-68363	-23342	-23342	1	Si
59	0.201	11.4	0	-2266	LU 12	-2266	-10097	-68363	-23342	-23342	1	Si
76	0.201	11.4	0	-2866	LU 12	-2866	-10097	-68363	-23342	-23342	1	Si
93	0.222	15.51	0	-3466	LU 12	-3466	-11187	-68363	-25757	-25757	1	Si
110	0.222	17.8	0	-4065	LU 12	-4065	-11712	-68363	-25757	-25757	1	Si
127	0.222	17.8	0	-4665	LU 12	-4665	-11712	-68363	-25757	-25757	1	Si
144	0.222	15.51	0	-5265	LU 12	-5265	-11187	-68363	-25757	-25757	1	Si
161	0.222	11.4	0	-5892	LU 18	-5892	-10097	-68363	-25757	-25757	1	Si
178	0.244	11.4	0	-6530	LU 18	-6530	-10097	-68363	-28344	-28344	1	Si
187	0.244	11.4	0	-6849	LU 18	-6849	-10097	-68363	-28344	-28344	1	Si
204	0.244	11.4	0	-7487	LU 18	-7487	-10097	-68363	-28344	-28344	1	Si
221	0.244	7.6	0	-8124	LU 18	-8124	-8821	-68363	-28344	-28344	1	Si
232	0.244	12.08	0	-8556	LU 18	-8556	-10293	-68363	-28344	-28344	1	Si
238	0	12.08	0	-8762	LU 18	-8762	-10293	-68363	0	-10293	1	Si
255	0	13.68	0	-9400	LU 18	-9400	-10729	-68363	0	-10729	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	599809	3	598946	19.5	124.5	548.5	1837	536493	2	536493	17.4	93.4	0	+∞	Si
17	594801	3	594563	19.3	124.5	544.5	1837	536661	2	536491	17.4	93.4	0	+∞	Si
20	592879	3	592879	19.3	124.5	542.9	1837	535653	2	535653	17.4	93.4	0	+∞	Si
34	581950	3	592879	19.3	124.5	542.9	1837	528986	2	535653	17.4	93.4	0	+∞	Si
51	561254	3	591643	19.3	124.5	543.5	1837	513466	2	535004	17.4	93.4	0	+∞	Si
59	547964	3	585060	19.4	124.5	570.3	1837	502764	2	531009	17.6	93.4	0	+∞	Si
76	515598	2	566012	19.7	124.5	629.4	1837	475479	2	517137	18	93.4	0	+∞	Si
93	476005	2	539119	20.8	124.5	805.4	1837	440349	2	495420	19.1	93.4	0	+∞	Si
110	428568	2	504685	19.5	124.5	754	1837	397374	2	465860	18	93.4	0	+∞	Si
127	373286	2	462817	17.9	124.5	691.4	1837	346556	2	428455	16.6	93.4	0	+∞	Si
144	310160	2	413105	16	124.5	617.2	1837	287894	2	383206	14.8	93.4	0	+∞	Si
161	239191	2	355548	11.7	124.5	393.5	1837	221387	2	330113	10.9	93.4	0	+∞	Si
178	160377	2	290148	8.9	124.5	280.8	1837	147037	2	269176	8.3	93.4	0	+∞	Si
187	118028	2	254506	7.6	124.5	231.8	1837	106920	2	235765	7	93.4	0	+∞	Si
204	27448	2	177340	5.2	124.5	160.7	1837	20803	2	163062	4.8	93.4	0	+∞	Si
221	-92714	8	-163603	4.9	124.5	183.3	1837	-74093	1	-141391	4.2	93.4	0	+∞	Si
232	-163603	9	-163603	4.9	124.5	183.3	1837	-141391	2	-141391	4.2	93.4	0	+∞	Si
238	-199540	9	-194975	5.8	124.5	218.4	1837	-174963	2	-170696	5.1	93.4	0	+∞	Si
255	-316822	9	-236707	7.1	124.5	265.1	1837	-284612	2	-209678	6.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
17	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.005	2	9999	Si
20	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
34	0.005	0.004	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.009	2	9999	Si
51	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.013	2	9999	Si
59	0.008	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.014	2	0.014	2	9999	Si
76	0.009	0.008	0.007	0.006	0.008	0.008	0.007	0.006	0.008	0.008	0.016	2	0.016	2	9999	Si
93	0.009	0.008	0.008	0.007	0.009	0.008	0.007	0.007	0.008	0.008	0.017	2	0.017	2	9999	Si
102	0.009	0.008	0.008	0.007	0.009	0.008	0.007	0.007	0.009	0.008	0.018	2	0.017	2	9999	Si
110	0.009	0.008	0.008	0.007	0.009	0.008	0.007	0.007	0.008	0.008	0.018	2	0.017	2	9999	Si
127	0.009	0.008	0.007	0.006	0.008	0.008	0.007	0.007	0.008	0.008	0.017	2	0.016	2	9999	Si
144	0.008	0.007	0.007	0.006	0.008	0.007	0.006	0.006	0.008	0.007	0.016	2	0.015	2	9999	Si
161	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.014	2	0.013	2	9999	Si
178	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.011	2	0.011	2	9999	Si
187	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.01	2	9999	Si
204	0.004	0.003	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
221	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
232	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
238	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Campata 4 tra i fili 71A - 71B, sezione R 40x70, asta 1110

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	19.01	5.4						-98499	LU 17	-93284	-1864520	0.089	Si
14	15.21	5.4	19.01	5.4						-95494	LU 17	-94882	-1864520	0.089	Si
23	15.21	5.4	19.01	5.4						-97411	LU 17	-127863	-1864520	0.089	Si
28	15.21	5.4	19.01	5.4						-99841	LU 17	-137354	-1864520	0.089	Si
42	15.21	5.4	17.95	5.4						-113675	LU 18	-166876	-1864588	0.09	Si
56	14.15	5.4	16.06	5.4	-85128	LU 1	14875	1966432	0.092	-135282	LU 18	-203751	-1739448	0.089	Si
63	13.49	5.4	15.12	5.4	-94949	LU 1	32798	1854818	0.091	-148842	LU 18	-224946	-1661330	0.088	Si
77	13.66	5.8	11.4	5.4	-118582	LU 1	60371	1426834	0.088	-181479	LU 18	-272850	-1670056	0.09	Si
91	13	6.1	11.4	5.4	-147534	LU 1	76915	1432432	0.09	-221468	LU 18	-328107	-1586535	0.089	Si
105	10.41	6.5	11.4	5.4	-181807	LU 1	82430	1438308	0.093	-268810	LU 18	-390716	-1274524	0.085	Si
119	12.7	7	11.4	5.4	-221399	LU 1	76915	1457199	0.1	-323505	LU 18	-460679	-1527080	0.09	Si
133	13.69	7.2	11.4	5.4	-266311	LU 1	60371	1465186	0.102	-385553	LU 18	-537994	-1636523	0.092	Si
147	18.13	6.9	11.4	5.4	-316543	LU 1	32798	1470263	0.098	-454953	LU 18	-622663	-2157765	0.101	Si
161	20.11	6.9	11.4	5.4						-531707	LU 18	-697276	-2386773	0.105	Si
168	20.97	6.9	11.4	5.4						-572841	LU 18	-697276	-2486637	0.107	Si
182	22.29	6.8	11.4	5.4						-660624	LU 18	-697276	-2642667	0.11	Si
187	22.81	6.7	11.4	5.4						-697276	LU 18	-697276	-2703800	0.111	Si
196	22.81	6.7	11.4	5.4						-755759	LU 18	-743739	-2703800	0.111	Si
210	22.81	6.7	11.4	5.4						-858248	LU 18	-773091	-2703800	0.111	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.49	0	477	LU 17	477	10678	68363	0	10678	1	Si
0	0	13.49	0	-49	LU 2	-49	-10678	-68363	0	-10678	1	Si
14	0	13.66	0	2	LU 8	2	10723	68363	0	10723	1	Si
14	0	13.66	0	-479	LU 11	-479	-10723	-68363	0	-10723	1	Si
23	0.128	13.33	0	-779	LU 11	-779	-10636	-68363	-14854	-14854	1	Si
28	0.128	13	0	-973	LU 11	-973	-10548	-68363	-14854	-14854	1	Si
42	0.128	10.41	0	-1467	LU 11	-1467	-9796	-68363	-14854	-14854	1	Si
56	0.128	12.7	0	-1961	LU 11	-1961	-10465	-68363	-14854	-14854	1	Si
63	0.128	13.36	0	-2208	LU 11	-2208	-10643	-68363	-14854	-14854	1	Si
77	0.128	15.21	0	-2702	LU 11	-2702	-11076	-67901	-14753	-14753	1	Si
91	0.128	15.21	0	-3196	LU 11	-3196	-11057	-67662	-14702	-14702	1	Si
105	0.128	15.21	0	-3690	LU 11	-3690	-11022	-67220	-14606	-14606	1	Si
119	0.128	14.15	0	-4184	LU 11	-4184	-10717	-66665	-14485	-14485	1	Si
133	0.128	12.83	0	-4695	LU 16	-4695	-10359	-66481	-14445	-14445	1	Si
147	0.128	13.33	0	-5220	LU 16	-5220	-10516	-66788	-14512	-14512	1	Si
161	0.128	10.08	0	-5745	LU 16	-5745	-9583	-66805	-14515	-14515	1	Si
168	0.128	10.41	0	-6008	LU 16	-6008	-9688	-66828	-14520	-14520	1	Si
182	0.128	12.7	0	-6533	LU 16	-6533	-10357	-66919	-14540	-14540	1	Si
187	0.128	13.36	0	-6739	LU 16	-6739	-10536	-66952	-14547	-14547	1	Si
196	0	13.69	0	-7058	LU 16	-7058	-10622	-66952	0	-10622	1	Si
210	0	18.13	0	-7583	LU 16	-7583	-11665	-66952	0	-11665	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-72924	8	-69145	2.1	124.5	77.4	1837	-54436	1	-52164	1.6	93.4	0	+∞	Si
14	-70880	8	-70441	2.1	124.5	78.9	1837	-54129	1	-53901	1.6	93.4	0	+∞	Si
23	-72494	8	-95876	2.9	124.5	107.4	1837	-56650	1	-80862	1.8	93.4	0	+∞	Si
28	-74446	8	-103120	3.1	124.5	115.5	1837	-59142	1	-88024	2.6	93.4	0	+∞	Si
42	-85046	9	-125652	3.8	124.5	140.9	1837	-70085	2	-110133	3.3	93.4	0	+∞	Si
56	-101538	9	-153795	4.9	124.5	185.1	1837	-86467	2	-137562	4.4	93.4	0	+∞	Si
63	-111888	9	-169971	5.6	124.5	214.4	1837	-96653	2	-153271	5	93.4	0	+∞	Si
77	-136797	9	-206531	7.2	124.5	262.5	1837	-121016	2	-188680	6.5	93.4	0	+∞	Si
91	-167317	9	-248702	8.8	124.5	334.3	1837	-150698	2	-229409	8.1	93.4	0	+∞	Si
105	-203448	9	-296484	11.5	124.5	501.1	1837	-185700	2	-275457	10.6	93.4	0	+∞	Si
119	-245190	9	-349878	12.8	124.5	498.5	1837	-226022	2	-326825	11.9	93.4	0	+∞	Si
133	-292543	9	-408882	14.6	124.5	545.8	1837	-271664	2	-383513	13.7	93.4	0	+∞	Si
147	-345508	9	-473498	15.3	124.5	477.8	1837	-322625	2	-445522	14.4	93.4	0	+∞	Si
161	-404084	9	-530441	16.6	124.5	484.8	1837	-378907	2	-500117	15.6	93.4	0	+∞	Si
168	-435476	9	-530441	16.4	124.5	465.6	1837	-409043	2	-500117	15.4	93.4	0	+∞	Si
182	-502469	9	-530441	16	124.5	437.9	1837	-473304	2	-500117	15.1	93.4	0	+∞	Si
187	-530441	9	-530441	15.9	124.5	427.9	1837	-500117	2	-500117	15	93.4	0	+∞	Si
196	-575073	9	-565899	17	124.5	456.5	1837	-542885	2	-534103	16	93.4	0	+∞	Si
210	-653288	9	-588300	17.6	124.5	474.6	1837	-617787	2	-555573	16.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
14	0	-0.001	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
28	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
42	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.004	1	-0.004	1	9999	Si
56	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
63	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
77	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
91	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
105	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
119	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si
126	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si
133	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si
147	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
161	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
168	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
182	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
187	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
196	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si

Campata 5 tra i fili 71B - 72, sezione R 40x70, asta 1111

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	11.4	5.4						-842284	LU 18	-746191	-2703800	0.111	Si
20	22.81	6.7	11.4	5.4						-677049	LU 18	-676351	-2703800	0.111	Si
23	22.81	6.7	11.4	5.4						-659255	LU 18	-659255	-2703800	0.111	Si
40	21.13	6.8	11.4	5.4						-527072	LU 18	-659255	-2505208	0.107	Si
50	19.91	6.9	11.4	5.4						-458365	LU 12	-659255	-2363608	0.105	Si
61	18.49	6.9	11.4	5.4						-395490	LU 12	-591601	-2198732	0.101	Si
71	17.06	6.9	11.4	5.4	-225620	LU 1	3460	1467435	0.098	-336203	LU 12	-518966	-2033705	0.098	Si
91	13.04	7.1	11.4	5.4	-146406	LU 1	81644	1459926	0.1	-228391	LU 12	-388552	-1564859	0.091	Si
111	10.45	6.5	11.4	5.4	-74294	LU 6	136941	1438629	0.093	-134929	LU 12	-274405	-1278877	0.085	Si
131	9.5	6.2	11.4	5.4	-13686	LU 6	169430	1430658	0.091	-55771	LU 12	-174608	-1173699	0.084	Si
151	7.6	5.4	11.4	5.4	42619	LU 15	179211	1414576	0.086	1600	LU 3	-89147	-963377	0.08	Si
171	7.6	5.4	11.4	5.4	90105	LU 15	166287	1414576	0.086	41700	LU 3	-19730	-963377	0.08	Si
192	7.6	5.4	11.4	5.4	122453	LU 15	142249	1414576	0.086						Si
212	7.6	5.4	11.4	5.4	139663	LU 15	142592	1414576	0.086						Si
222	7.6	5.4	12.5	5.4	142592	LU 15	142592	1545181	0.089						Si
242	7.6	5.4	12.95	5.4	137777	LU 17	142592	1597733	0.09						Si
262	7.6	5.4	9.68	5.4	119016	LU 18	141539	1209296	0.082						Si
275	7.6	5.4	11.4	5.4	99927	LU 18	134641	1414576	0.086						Si
282	7.6	5.4	11.4	5.4	86857	LU 18	86857	1414576	0.086						Si
303	7.6	5.4	11.4	5.4	42197	LU 14	42197	1414576	0.086						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.49	0	8572	LU 18	8572	11741	66952	0	11741	1	Si
20	0	13.51	0	7815	LU 18	7815	10577	66952	0	10577	1	Si
23	0.129	13.04	0	7728	LU 18	7728	10451	66952	14696	14696	1	Si
40	0.129	10.93	0	7059	LU 18	7059	9846	66840	14671	14671	1	Si
61	0.129	9.98	0	6302	LU 18	6302	9548	66792	14661	14661	1	Si
71	0.129	9.5	0	5924	LU 18	5924	9393	66778	14658	14658	1	Si
91	0.129	7.6	0	5167	LU 18	5167	8709	66598	14618	14618	1	Si
111	0.107	7.6	0	4411	LU 18	4411	8748	67209	12239	12239	1	Si
131	0.107	7.6	0	3660	LU 18	3660	8767	67516	12295	12295	1	Si
151	0.107	11.4	0	2909	LU 18	2909	10097	68363	12449	12449	1	Si
171	0.107	11.15	0	2160	LU 12	2160	10020	68363	12449	12449	1	Si
192	0.107	11.4	0	1454	LU 12	1454	10097	68363	12449	12449	1	Si
212	0.086	11.4	0	748	LU 12	748	10097	68363	10004	10097	1	Si
222	0.086	11.4	0	395	LU 12	395	10097	68363	10004	10097	1	Si
242	0.086	11.4	0	-648	LU 15	-648	-10097	-68363	-10004	-10097	1	Si
262	0.086	11.4	0	-1398	LU 15	-1398	-10097	-68363	-10004	-10097	1	Si
275	0.086	11.4	0	-1876	LU 15	-1876	-10097	-68363	-10004	-10097	1	Si
282	0	11.4	0	-2149	LU 15	-2149	-10097	-68363	0	-10097	1	Si
303	0	11.4	0	-2893	LU 15	-2893	-10097	-68363	0	-10097	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-640162	9	-566957	17	124.5	457.4	1837	-600075	2	-531045	15.9	93.4	0	+∞	Si
20	-514293	9	-513761	15.4	124.5	414.5	1837	-481411	2	-480912	14.4	93.4	0	+∞	Si
23	-500739	9	-500739	15	124.5	403.9	1837	-468639	2	-468639	14.1	93.4	0	+∞	Si
40	-400066	9	-500739	15.4	124.5	436.2	1837	-373786	2	-468639	14.4	93.4	0	+∞	Si
61	-299576	3	-449211	14.4	124.5	445	1837	-277199	2	-420083	13.5	93.4	0	+∞	Si
71	-254218	3	-393893	13	124.5	421.4	1837	-233046	2	-367973	12.1	93.4	0	+∞	Si
91	-171781	3	-294268	10.7	124.5	409.7	1837	-153017	2	-272032	9.9	93.4	0	+∞	Si
111	-100384	3	-206958	8	124.5	348.7	1837	-84027	2	-187130	7.2	93.4	0	+∞	Si
131	-39988	3	-130687	5.2	124.5	238.9	1837	-26039	2	-113267	4.5	93.4	0	+∞	Si
151	31768	6	80353	3.1	124.5	120	1837	25160	1	72368	2.8	93.4	0	+∞	Si
171	68127	6	100060	3.9	124.5	149.5	1837	60426	1	91845	3.5	93.4	0	+∞	Si
192	92933	6	108215	4.2	124.5	161.7	1837	84738	1	100368	3.9	93.4	0	+∞	Si
212	106188	6	108484	4.2	124.5	162.1	1837	98097	1	100669	3.9	93.4	0	+∞	Si
222	108484	6	108484	4.1	124.5	148.3	1837	100669	1	100669	3.8	93.4	0	+∞	Si
242	104864	8	108484	4	124.5	143.5	1837	97598	1	100669	3.7	93.4	0	+∞	Si
262	90487	9	107714	4.4	124.5	188.6	1837	83891	2	100162	4.1	93.4	0	+∞	Si
275	75775	9	102481	4	124.5	153.1	1837	69511	2	95398	3.7	93.4	0	+∞	Si
282	65717	9	65717	2.5	124.5	98.2	1837	59729	2	59729	2.3	93.4	0	+∞	Si
303	31154	5	31154	1.2	124.5	46.5	1837	24615	2	24615	1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
40	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
61	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
71	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
91	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.004	1	-0.005	1	9999	Si
111	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.004	1	-0.004	1	9999	Si
131	0	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
151	0	-0.001	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.002	1	-0.002	1	9999	Si
171	0.001	0	0	-0.001	0	0	0	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
192	0.001	0	0	0	0.001	0.001	0	0	0.001	0.001	0	1	0	1	9999	Si
212	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0	1	9999	Si
222	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
242	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
262	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
275	0.001	0	0	0	0.001	0	0	0	0.001	0	0.001	1	0.001	1	9999	Si
282	0	0	0	0	0	0	0	0	0	0	0.001	1	0	1	9999	Si

Trave a "Piano 2" 70-73

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 70 - 73, sezione R 40x70, asta 1162

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-504115	LU 11	-450290	-962923	0.078	Si
20	7.6	5.4	7.6	5.4						-400546	LU 11	-400546	-962923	0.078	Si
30	7.6	5.4	7.6	5.4						-350838	LU 11	-400546	-962923	0.078	Si
60	7.6	5.4	7.6	5.4						-209399	LU 11	-346163	-962923	0.078	Si
90	7.6	5.4	7.6	5.4	-28994	LU 8	67347	962923	0.078	-77959	LU 11	-205046	-962923	0.078	Si
120	7.6	5.4	7.6	5.4	71015	LU 17	174974	962923	0.078	32426	LU 2	-73943	-962923	0.078	Si
135	7.6	5.4	7.6	5.4	125238	LU 18	225372	962923	0.078	75739	LU 1	-12310	-962923	0.078	Si
165	7.6	5.4	7.6	5.4	228634	LU 18	316903	962923	0.078						Si
195	7.6	5.4	7.6	5.4	319761	LU 18	395562	962923	0.078						Si
225	7.6	5.4	7.6	5.4	397997	LU 18	460729	962923	0.078						Si
255	7.6	5.4	7.6	5.4	462720	LU 18	511781	962923	0.078						Si
285	7.6	5.4	7.6	5.4	513307	LU 18	548096	962923	0.078						Si
315	7.6	5.4	7.6	5.4	549138	LU 18	569074	962923	0.078						Si
346	7.6	5.4	7.6	5.4	569612	LU 18	578850	962923	0.078						Si
361	7.6	5.4	7.6	5.4	576166	LU 12	579036	962923	0.078						Si
391	7.6	5.4	7.6	5.4	577957	LU 12	579036	962923	0.078						Si
421	7.6	5.4	7.6	5.4	563639	LU 12	577625	962923	0.078						Si
431	7.6	5.4	7.6	5.4	554689	LU 12	574213	962923	0.078						Si
451	7.6	5.4	7.6	5.4	532663	LU 12	532663	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5496	LU 18	5496	8821	68363	0	8821	1	Si
20	0.061	7.6	0	5015	LU 18	5015	8821	68363	7104	8821	1	Si
30	0.061	7.6	0	4905	LU 18	4905	8821	68363	7104	8821	1	Si
60	0.061	7.6	0	4564	LU 12	4564	8821	68363	7104	8821	1	Si
90	0.061	7.6	0	4218	LU 12	4218	8821	68363	7104	8821	1	Si
120	0.061	7.6	0	3855	LU 12	3855	8821	68363	7104	8821	1	Si
135	0.061	7.6	0	3671	LU 12	3671	8821	68363	7104	8821	1	Si
165	0.061	7.6	0	3286	LU 12	3286	8821	68363	7104	8821	1	Si
195	0.061	7.6	0	2883	LU 12	2883	8821	68363	7104	8821	1	Si
225	0.061	7.6	0	2461	LU 11	2461	8821	68363	7104	8821	1	Si
255	0.061	7.6	0	2022	LU 11	2022	8821	68363	7104	8821	1	Si
285	0.061	7.6	0	1564	LU 11	1564	8821	68363	7104	8821	1	Si
315	0.061	7.6	0	1086	LU 11	1086	8821	68363	7104	8821	1	Si
346	0.061	7.6	0	590	LU 11	590	8821	68363	7104	8821	1	Si
361	0.061	7.6	0	335	LU 11	335	8821	68363	7104	8821	1	Si
361	0.061	7.6	0	-37	LU 8	-37	-8821	-68363	-7104	-8821	1	Si
391	0.061	7.6	0	-564	LU 17	-564	-8821	-68363	-7104	-8821	1	Si
421	0.061	7.6	0	-1136	LU 17	-1136	-8821	-68363	-7104	-8821	1	Si
431	0.061	7.6	0	-1332	LU 17	-1332	-8821	-68363	-7104	-8821	1	Si
451	0	7.6	0	-1720	LU 17	-1720	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-384570	2	-343410	8.9	124.5	134.2	1837	-369959	2	-329911	14.8	93.4	0	+∞	Si
20	-305389	2	-305389	8	124.5	119.4	1837	-293001	2	-293001	13.1	93.4	0	+∞	Si
30	-267398	2	-305389	8	124.5	119.4	1837	-256126	2	-293001	13.1	93.4	0	+∞	Si
60	-159333	2	-263826	6.9	124.5	103.1	1837	-151400	2	-252663	11.3	93.4	0	+∞	Si
90	-58959	2	-156008	4.1	124.5	61	1837	-54365	2	-148183	6.6	93.4	0	+∞	Si
120	52025	8	131545	3.4	124.5	51.4	1837	35115	1	112566	5	93.4	0	+∞	Si
135	93590	9	170000	4.4	124.5	66.4	1837	75917	2	149705	6.7	93.4	0	+∞	Si
165	172489	9	239826	6.2	124.5	93.7	1837	152109	2	217172	9.7	93.4	0	+∞	Si
195	242006	9	299809	7.8	124.5	117.2	1837	219280	2	275182	12.3	93.4	0	+∞	Si
225	301666	9	349477	9.1	124.5	136.6	1837	276978	2	323284	14.5	93.4	0	+∞	Si
255	350993	9	388353	10.1	124.5	151.8	1837	324754	2	361030	16.2	93.4	0	+∞	Si
285	389515	9	415964	10.8	124.5	162.6	1837	362159	2	387969	17.4	93.4	0	+∞	Si
315	416756	9	431852	11.3	124.5	168.8	1837	388743	2	403666	18.1	93.4	0	+∞	Si
346	432258	9	438715	11.4	124.5	171.5	1837	404070	2	407696	18.3	93.4	0	+∞	Si
361	436974	3	438836	11.4	124.5	171.5	1837	407380	2	407718	18.3	93.4	0	+∞	Si
391	437663	3	438836	11.4	124.5	171.5	1837	405030	2	407718	18.3	93.4	0	+∞	Si
421	425968	3	437386	11.4	124.5	171	1837	390339	2	404655	18.2	93.4	0	+∞	Si
431	418857	3	434533	11.3	124.5	169.8	1837	382236	2	400796	18	93.4	0	+∞	Si
451	401466	3	401466	10.5	124.5	156.9	1837	362878	2	362878	16.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
30	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
60	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si
90	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.016	2	9999	Si
120	0.011	0.01	0.01	0.009	0.01	0.01	0.009	0.009	0.01	0.01	0.023	2	0.023	2	9999	Si
135	0.013	0.011	0.011	0.01	0.012	0.011	0.01	0.01	0.012	0.011	0.027	2	0.026	2	9999	Si
165	0.016	0.014	0.014	0.012	0.015	0.014	0.013	0.012	0.014	0.014	0.033	2	0.032	2	9999	Si
195	0.018	0.016	0.016	0.015	0.017	0.016	0.015	0.015	0.017	0.016	0.038	2	0.038	2	9999	Si
225	0.02	0.018	0.018	0.016	0.019	0.018	0.017	0.016	0.018	0.018	0.042	2	0.042	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
255	0.021	0.019	0.019	0.017	0.02	0.019	0.017	0.017	0.019	0.019	0.045	2	0.044	2	9999	Si
270	0.021	0.019	0.019	0.017	0.02	0.019	0.018	0.017	0.019	0.019	0.045	2	0.044	2	9999	Si
285	0.021	0.019	0.019	0.017	0.02	0.019	0.017	0.017	0.019	0.019	0.045	2	0.044	2	9999	Si
315	0.02	0.018	0.018	0.016	0.019	0.018	0.017	0.016	0.018	0.018	0.042	2	0.042	2	9999	Si
346	0.018	0.016	0.016	0.014	0.016	0.016	0.015	0.014	0.016	0.016	0.038	2	0.037	2	9999	Si
361	0.016	0.014	0.014	0.013	0.015	0.014	0.013	0.013	0.015	0.014	0.034	2	0.033	2	9999	Si
391	0.012	0.011	0.011	0.01	0.011	0.011	0.01	0.01	0.011	0.011	0.025	2	0.025	2	9999	Si
421	0.006	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.014	2	0.014	2	9999	Si
431	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si

Trave a "Piano 2" 73-74

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 73 - 73A, sezione R 40x70, asta 1161

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	380439	LU 18	380439	1414576	0.086						Si
17	7.6	5.4	11.4	5.4	429010	LU 18	429010	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	435510	LU 18	486636	1414576	0.086						Si
34	7.6	5.4	11.4	5.4	465369	LU 18	499026	1414576	0.086						Si
52	7.6	5.4	11.4	5.4	489645	LU 18	503403	1413591	0.086						Si
69	7.6	5.4	10.24	5.4	501838	LU 18	503403	1276318	0.084						Si
77	7.6	5.4	9.66	5.4	503403	LU 18	503403	1207660	0.082						Si
86	7.6	5.4	7.6	5.4	501947	LU 18	503403	962923	0.078						Si
94	7.6	5.4	7.6	5.4	497470	LU 18	503403	962923	0.078						Si
112	7.6	5.4	7.6	5.4	479454	LU 18	502510	962923	0.078						Si
129	7.6	5.4	7.6	5.4	449355	LU 18	492872	962923	0.078						Si
146	7.6	5.4	7.6	5.4	407172	LU 18	471152	962923	0.078						Si
163	7.6	5.4	7.6	5.4	357543	LU 12	437347	962923	0.078						Si
180	7.6	5.4	7.6	5.4	297665	LU 11	392150	962923	0.078						Si
197	7.6	5.4	7.6	5.4	228271	LU 11	340014	962923	0.078	108382	LU 4	-16979	-962923	0.078	Si
206	7.6	5.4	7.6	5.4	189314	LU 11	309687	962923	0.078	74465	LU 4	-71810	-962923	0.078	Si
223	7.6	5.4	7.6	5.4	102885	LU 11	242240	962923	0.078	78	LU 4	-88126	-962923	0.078	Si
238	7.6	5.4	7.6	5.4	38366	LU 2	177482	962923	0.078	-88126	LU 17	-88126	-962923	0.078	Si
240	7.6	5.4	7.6	5.4	25787	LU 2	25787	962923	0.078	-107150	LU 17	-105620	-962923	0.078	Si
258	7.6	5.4	7.6	5.4						-231474	LU 17	-154576	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.24	0	3245	LU 16	3245	9741	68363	0	9741	1	Si
17	0	7.6	0	2536	LU 16	2536	8821	68363	0	8821	1	Si
20	0.101	7.6	0	2422	LU 16	2422	8821	68363	11671	11671	1	Si
34	0.101	7.6	0	1875	LU 11	1875	8821	68363	11671	11671	1	Si
52	0.101	7.6	0	1226	LU 11	1226	8821	68363	11671	11671	1	Si
69	0.101	7.6	0	577	LU 11	577	8821	68363	11671	11671	1	Si
69	0.101	7.6	0	-7	LU 4	-7	-8821	-68363	-11671	-11671	1	Si
77	0.101	7.6	0	262	LU 2	262	8821	68363	11671	11671	1	Si
77	0.101	7.6	0	-266	LU 13	-266	-8821	-68363	-11671	-11671	1	Si
94	0.104	7.6	0	-915	LU 13	-915	-8821	-68363	-12047	-12047	1	Si
112	0.104	7.6	0	-1580	LU 17	-1580	-8821	-68363	-12047	-12047	1	Si
129	0.104	7.6	0	-2271	LU 17	-2271	-8821	-68363	-12047	-12047	1	Si
146	0.104	7.6	0	-2961	LU 17	-2961	-8821	-68363	-12047	-12047	1	Si
163	0.104	7.6	0	-3652	LU 17	-3652	-8821	-68363	-12047	-12047	1	Si
180	0.115	7.6	0	-4342	LU 17	-4342	-8821	-68363	-13338	-13338	1	Si
197	0.115	7.6	0	-5033	LU 17	-5033	-8821	-68363	-13338	-13338	1	Si
206	0.115	7.6	0	-5378	LU 17	-5378	-8821	-68363	-13338	-13338	1	Si
223	0.115	7.6	0	-6069	LU 17	-6069	-8821	-68363	-13338	-13338	1	Si
238	0.115	7.6	0	-6645	LU 17	-6645	-8821	-68363	-13338	-13338	1	Si
240	0	7.6	0	-6759	LU 17	-6759	-8821	-68363	0	-8821	1	Si
258	0	7.6	0	-7449	LU 17	-7449	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	286215	9	286215	11.1	124.5	427.6	1837	248970	2	248970	9.6	93.4	0	+∞	Si
17	323194	9	323194	12.5	124.5	482.9	1837	284484	2	284484	11	93.4	0	+∞	Si
20	328139	9	367010	14.2	124.5	548.3	1837	289249	2	326889	12.6	93.4	0	+∞	Si
34	350854	9	376394	14.5	124.5	562.3	1837	311170	2	336179	13	93.4	0	+∞	Si
52	369294	9	379666	14.7	124.5	567.6	1837	329121	2	339666	13.1	93.4	0	+∞	Si
69	378514	9	379666	15.2	124.5	629.2	1837	338335	2	339666	13.6	93.4	0	+∞	Si
77	379666	9	379666	15.6	124.5	665.5	1837	339666	2	339666	13.9	93.4	0	+∞	Si
94	375055	9	379666	9.9	124.5	148.4	1837	335775	2	339666	15.2	93.4	0	+∞	Si
112	361224	9	378959	9.9	124.5	148.1	1837	323149	2	339143	15.2	93.4	0	+∞	Si
129	338172	9	371522	9.7	124.5	145.2	1837	301787	2	332574	14.9	93.4	0	+∞	Si
146	305900	9	354863	9.2	124.5	138.7	1837	271688	2	317269	14.2	93.4	0	+∞	Si
163	267499	3	328985	8.6	124.5	128.6	1837	232853	2	293228	13.2	93.4	0	+∞	Si
180	221101	2	294346	7.7	124.5	115.1	1837	185282	2	260451	11.7	93.4	0	+∞	Si
197	167193	2	253916	6.6	124.5	99.2	1837	128975	2	218937	9.8	93.4	0	+∞	Si
206	136963	2	230425	6	124.5	90.1	1837	97545	2	194905	8.7	93.4	0	+∞	Si
223	69951	2	178041	4.6	124.5	69.6	1837	28134	2	140287	6.3	93.4	0	+∞	Si
238	7066	2	127787	3.3	124.5	49.9	1837								Si
238	-66155	8	-66155	1.7	124.5	25.9	1837	-55535	1	-55535	2.5	93.4	0	+∞	Si
240	-80628	8	-79465	2.1	124.5	31.1	1837	-68964	1	-67887	3	93.4	0	+∞	Si
258	-175233	8	-116711	3	124.5	45.6	1837	-156876	1	-102451	4.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
17	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
20	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
34	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
52	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
69	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.013	2	9999	Si
77	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.014	2	0.013	2	9999	Si
94	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.015	2	0.015	2	9999	Si
112	0.008	0.007	0.007	0.006	0.008	0.007	0.006	0.006	0.008	0.007	0.016	2	0.015	2	9999	Si
120	0.008	0.007	0.007	0.006	0.008	0.007	0.006	0.006	0.008	0.007	0.016	2	0.015	2	9999	Si
129	0.008	0.007	0.007	0.006	0.008	0.007	0.006	0.006	0.007	0.007	0.016	2	0.015	2	9999	Si
146	0.008	0.007	0.006	0.005	0.007	0.007	0.006	0.005	0.007	0.007	0.015	2	0.014	2	9999	Si
163	0.007	0.006	0.006	0.005	0.007	0.006	0.005	0.005	0.006	0.006	0.013	2	0.013	2	9999	Si
180	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.011	2	0.011	2	9999	Si
197	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si
206	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
223	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.005	2	9999	Si
238	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
240	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si

Campata 3 tra i fili 73A - 73B, sezione R 40x70, asta 1160

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-163382	LU 17	-125448	-962923	0.078	Si
14	7.6	5.4	7.6	5.4	25293	LU 2	25293	962923	0.078	-113976	LU 17	-110669	-962923	0.078	Si
20	7.6	5.4	7.6	5.4	35305	LU 2	69765	962923	0.078	-95287	LU 17	-95287	-962923	0.078	Si
28	7.6	5.4	7.6	5.4	47256	LU 2	74913	962923	0.078	-73316	LU 13	-95287	-962923	0.078	Si
42	7.6	5.4	7.6	5.4	63628	LU 2	82433	962923	0.078	-41316	LU 13	-95287	-962923	0.078	Si
56	7.6	5.4	7.6	5.4	74409	LU 2	84100	962923	0.078	-16585	LU 13	-76178	-962923	0.078	Si
63	7.6	5.4	7.6	5.4	78441	LU 11	84100	962923	0.078	-7683	LU 4	-58992	-962923	0.078	Si
77	7.6	5.4	7.6	5.4	84031	LU 11	84100	962923	0.078	2949	LU 4	-30071	-962923	0.078	Si
91	7.6	5.4	7.6	5.4	82353	LU 11	84100	962923	0.078	7990	LU 4	-8817	-962923	0.078	Si
105	7.6	5.4	7.6	5.4	73406	LU 11	89023	962923	0.078	7440	LU 4	-12071	-962923	0.078	Si
119	10.61	5.4	7.6	5.4	57191	LU 11	83223	963306	0.079	1299	LU 4	-35141	-1320669	0.085	Si
133	11.93	5.4	10.03	5.4	33763	LU 2	74229	1251018	0.083	-10489	LU 13	-65479	-1477202	0.087	Si
147	13.25	5.4	10.97	5.4	8201	LU 2	58569	1362796	0.085	-33003	LU 13	-105102	-1633655	0.089	Si
161	14.57	5.4	11.4	5.4	-22951	LU 2	35641	1414313	0.085	-62786	LU 13	-152689	-1790054	0.091	Si
168	15.21	5.4	11.4	5.4	-40624	LU 2	23528	1414287	0.085	-80908	LU 17	-152689	-1865107	0.093	Si
182	15.21	5.4	11.4	5.4						-124302	LU 17	-152689	-1865107	0.093	Si
190	15.21	5.4	11.4	5.4						-152689	LU 17	-152689	-1865107	0.093	Si
196	15.21	5.4	11.4	5.4						-177681	LU 18	-173395	-1865107	0.093	Si
210	15.21	5.4	11.4	5.4						-242323	LU 18	-193506	-1865107	0.093	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	3806	LU 15	3806	8821	68363	0	8821	1	Si
14	0	7.6	0	3254	LU 15	3254	8821	68363	0	8821	1	Si
20	0.16	7.6	0	3017	LU 15	3017	8821	68363	18536	18536	1	Si
28	0.16	7.6	0	2701	LU 15	2701	8821	68363	18536	18536	1	Si
42	0.16	7.6	0	2149	LU 15	2149	8821	68363	18536	18536	1	Si
56	0.16	7.6	0	1596	LU 15	1596	8821	68363	18536	18536	1	Si
63	0.16	7.6	0	1320	LU 15	1320	8821	68363	18536	18536	1	Si
77	0.16	7.6	0	768	LU 15	768	8821	68363	18536	18536	1	Si
77	0.16	7.6	0	-29	LU 3	-29	-8821	-68363	-18536	-18536	1	Si
91	0.16	7.6	0	215	LU 15	215	8821	68363	18536	18536	1	Si
91	0.16	7.6	0	-429	LU 3	-429	-8821	-68363	-18536	-18536	1	Si
105	0.16	7.6	0	-899	LU 12	-899	-8821	-68363	-18536	-18536	1	Si
119	0.16	7.6	0	-1419	LU 12	-1419	-8821	-68363	-18536	-18536	1	Si
133	0.16	7.6	0	-1938	LU 12	-1938	-8821	-68363	-18536	-18536	1	Si
147	0.16	7.6	0	-2457	LU 12	-2457	-8821	-68363	-18536	-18536	1	Si
161	0.16	7.6	0	-2976	LU 12	-2976	-8821	-68363	-18536	-18536	1	Si
168	0.16	7.6	0	-3236	LU 18	-3236	-8821	-68363	-18536	-18536	1	Si
182	0.16	10.61	0	-3789	LU 18	-3789	-9858	-68363	-18536	-18536	1	Si
190	0.16	11.27	0	-4104	LU 18	-4104	-10058	-68363	-18536	-18536	1	Si
196	0	11.93	0	-4341	LU 18	-4341	-10251	-68363	0	-10251	1	Si
210	0	13.25	0	-4893	LU 18	-4893	-10615	-68363	0	-10615	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-124211	8	-95256	2.5	124.5	37.2	1837	-114670	1	-87178	3.9	93.4	0	+∞	Si
14	-86498	8	-83974	2.2	124.5	32.8	1837	-78857	1	-76461	3.4	93.4	0	+∞	Si
20	1768	2	41944	1.1	124.5	16.4	1837								Si
20	-72232	8	-72232	1.9	124.5	28.2	1837	-65306	1	-65306	2.9	93.4	0	+∞	Si
28	15292	2	48665	1.3	124.5	19	1837								Si
28	-55362	4	-72232	1.9	124.5	28.2	1837	-48635	1	-65306	2.9	93.4	0	+∞	Si
42	34418	2	56181	1.5	124.5	22	1837								Si
42	-30745	4	-72232	1.9	124.5	28.2	1837	-24004	1	-65306	2.9	93.4	0	+∞	Si
56	47951	2	58246	1.5	124.5	22.8	1837	10911	2	29067	1.3	93.4	0	+∞	Si
56	-11719	4	-57564	1.5	124.5	22.5	1837	-4964	1	-50838	2.3	93.4	0	+∞	Si
63	52622	2	58246	1.5	124.5	22.8	1837	17508	2	29920	1.3	93.4	0	+∞	Si
63	-4303	4	-44343	1.2	124.5	17.3	1837								Si
77	57769	2	58246	1.5	124.5	22.8	1837	26509	2	29920	1.3	93.4	0	+∞	Si
91	57325	2	58246	1.5	124.5	22.8	1837	29920	2	29920	1.3	93.4	0	+∞	Si
105	51290	2	58246	1.5	124.5	22.8	1837	27739	2	29920	1.3	93.4	0	+∞	Si
119	39664	2	57466	1.4	124.5	22.1	1837	19967	2	29920	1.3	93.4	0	+∞	Si
133	22446	2	51858	2	124.5	87.4	1837	6604	2	28012	1.1	93.4	0	+∞	Si
133	-7018	4	-49313	1.8	124.5	70.3	1837	-186	1	-42453	1.6	93.4	0	+∞	Si
147	-24334	4	-79583	2.8	124.5	102.5	1837	-17489	1	-71365	2.5	93.4	0	+∞	Si
161	-47242	4	-115883	3.9	124.5	136.2	1837	-40382	1	-105677	3.5	93.4	0	+∞	Si
168	-61128	8	-115883	3.8	124.5	130.7	1837	-53926	1	-105677	3.5	93.4	0	+∞	Si
182	-94229	8	-115883	3.8	124.5	130.7	1837	-85206	1	-105677	3.5	93.4	0	+∞	Si
190	-115883	8	-115883	3.8	124.5	130.7	1837	-105677	1	-105677	3.5	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
196	-134731	9	-131497	4.3	124.5	148.3	1837	-122721	2	-119791	4	93.4	0	+∞	Si
210	-183487	9	-146644	4.8	124.5	165.4	1837	-166836	2	-133414	4.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
14	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
28	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
42	0.001	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
56	0.001	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
63	0.001	0	0	0	0.001	0	0	0	0	0	0	2	0	2	9999	Si
77	0.001	0	0	0	0.001	0	0	0	0	0	0	2	0	2	9999	Si
91	0.001	0	0	0	0.001	0	0	0	0	0	0	2	0	2	9999	Si
105	0.001	0	0	0	0.001	0	0	0	0	0	0	2	0	2	9999	Si
119	0.001	0	0	0	0.001	0	0	0	0	0	0	2	0	2	9999	Si
133	0.001	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
147	0.001	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
161	0	0	0	0	0	0	0	0	0	0	0	2	-0.001	2	9999	Si
168	0	0	0	0	0	0	0	0	0	0	0	2	-0.001	2	9999	Si
182	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
190	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
196	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Campata 4 tra i fili 73B - 74, sezione R 40x70, asta 1159

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4						-192389	LU 17	-156458	-1865107	0.093	Si
7	15.21	5.4	11.4	5.4						-167052	LU 17	-152679	-1865107	0.093	Si
15	15.21	5.4	11.4	5.4						-143837	LU 17	-141343	-1865107	0.093	Si
20	15.21	5.4	11.4	5.4						-128352	LU 17	-128352	-1865107	0.093	Si
26	15.21	5.4	11.4	5.4						-112993	LU 17	-128352	-1865107	0.093	Si
33	15.21	5.4	11.31	5.4	-56483	LU 2	6377	1403447	0.085	-95082	LU 17	-128352	-1865070	0.093	Si
40	15.21	5.4	10.82	5.4	-49992	LU 2	13501	1344907	0.084	-79293	LU 17	-128352	-1865134	0.093	Si
48	15.21	5.4	10.32	5.4	-45035	LU 2	17441	1286377	0.084	-65627	LU 17	-128352	-1865180	0.093	Si
55	15.21	5.4	9.83	5.4	-36833	LU 1	18199	1227841	0.083	-57427	LU 18	-112330	-1865274	0.094	Si
62	15.21	5.4	9.34	5.4	-29621	LU 1	15774	1169301	0.083	-51730	LU 18	-94496	-1865279	0.094	Si
70	15.21	5.4	7.6	5.4	-23942	LU 1	10167	963633	0.08	-48549	LU 12	-78784	-1865528	0.096	Si
77	15.21	5.4	7.6	5.4	-19797	LU 1	1376	963633	0.08	-48291	LU 12	-65193	-1865528	0.096	Si
83	15.21	5.4	7.6	5.4						-49468	LU 12	-58987	-1865528	0.096	Si
88	15.21	5.4	7.6	5.4						-51642	LU 12	-50976	-1865528	0.096	Si
95	15.21	5.4	7.6	5.4						-56369	LU 12	-52465	-1865528	0.096	Si
103	15.21	5.4	7.6	5.4						-63090	LU 12	-53359	-1865528	0.096	Si
110	15.21	5.4	7.6	5.4						-71684	LU 12	-53657	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	3600	LU 17	3600	11113	68363	0	11113	1	Si
7	0	15.21	0	3310	LU 17	3310	11113	68363	0	11113	1	Si
15	0	15.21	0	3021	LU 17	3021	11113	68363	0	11113	1	Si
20	0.097	15.21	0	2811	LU 17	2811	11113	68363	11204	11204	1	Si
26	0.097	15.21	0	2587	LU 17	2587	11113	68363	11204	11204	1	Si
33	0.097	15.21	0	2298	LU 17	2298	11113	68363	11204	11204	1	Si
40	0.097	15.21	0	2012	LU 13	2012	11113	68363	11204	11204	1	Si
48	0.097	15.21	0	1740	LU 13	1740	11113	68363	11204	11204	1	Si
55	0.097	15.21	0	1468	LU 13	1468	11113	68363	11204	11204	1	Si
62	0.097	15.21	0	1196	LU 13	1196	11113	68363	11204	11204	1	Si
70	0.097	15.21	0	924	LU 13	924	11113	68363	11204	11204	1	Si
70	0.097	15.21	0	-56	LU 2	-56	-11113	-68363	-11204	-11204	1	Si
77	0.097	15.21	0	652	LU 13	652	11113	68363	11204	11204	1	Si
77	0.097	15.21	0	-265	LU 2	-265	-11113	-68363	-11204	-11204	1	Si
83	0.097	15.21	0	448	LU 13	448	11113	68363	11204	11204	1	Si
83	0.097	15.21	0	-422	LU 2	-422	-11113	-68363	-11204	-11204	1	Si
88	0	15.21	0	244	LU 13	244	11113	68363	0	11113	1	Si
88	0	15.21	0	-579	LU 2	-579	-11113	-68363	0	-11113	1	Si
95	0	15.21	0	-807	LU 11	-807	-11113	-68363	0	-11113	1	Si
103	0	15.21	0	-1079	LU 11	-1079	-11113	-68363	0	-11113	1	Si
110	0	15.21	0	-1289	LU 11	-1289	-11113	-68363	0	-11113	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-146903	8	-119412	3.9	124.5	134.7	1837	-139828	1	-113305	3.7	93.4	0	+∞	Si
7	-127516	8	-116519	3.9	124.5	131.4	1837	-121110	1	-110499	3.7	93.4	0	+∞	Si
15	-109748	8	-107840	3.6	124.5	121.6	1837	-103926	1	-102084	3.4	93.4	0	+∞	Si
20	-97893	8	-97893	3.2	124.5	110.4	1837	-92439	1	-92439	3.1	93.4	0	+∞	Si
26	-86132	8	-97893	3.2	124.5	110.4	1837	-81025	1	-92439	3.1	93.4	0	+∞	Si
33	-72412	8	-97893	3.2	124.5	110.4	1837	-67676	1	-92439	3.1	93.4	0	+∞	Si
40	-60310	8	-97893	3.3	124.5	110.5	1837	-55861	1	-92439	3.1	93.4	0	+∞	Si
48	-49828	8	-97893	3.3	124.5	110.6	1837	-45580	1	-92439	3.1	93.4	0	+∞	Si
55	-43196	9	-85625	2.9	124.5	96.8	1837	-37789	2	-80532	2.7	93.4	0	+∞	Si
62	-38436	9	-71963	2.5	124.5	81.4	1837	-31641	2	-67238	2.3	93.4	0	+∞	Si
70	-35558	3	-59920	2.1	124.5	67.9	1837	-27027	2	-55478	1.9	93.4	0	+∞	Si
77	-34833	3	-49496	1.7	124.5	56.1	1837	-23947	2	-45252	1.6	93.4	0	+∞	Si
83	-35344	3	-44474	1.6	124.5	50.4	1837	-22692	2	-39352	1.4	93.4	0	+∞	Si
88	-36622	3	-36149	1.3	124.5	41	1837	-22204	2	-21908	0.8	93.4	0	+∞	Si
95	-39732	3	-36944	1.3	124.5	41.9	1837	-22959	2	-21133	0.7	93.4	0	+∞	Si
103	-44376	3	-37421	1.3	124.5	41.8	1837	-25249	2	-20668	0.7	93.4	0	+∞	Si
110	-50461	3	-37580	1.3	124.5	42.6	1837	-28978	2	-20513	0.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
7	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
15	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
26	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
33	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
40	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
44	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
48	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
55	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
62	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
70	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
77	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
83	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
88	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
95	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
103	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Trave a "Piano 2" 76-30

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 76 - 73, sezione R 40x70, asta 1166

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	190189	LU 10	190189	1414397	0.086						Si
23	11.4	5.4	11.4	5.4	197378	LU 10	197378	1414397	0.086						Si
28	11.4	5.4	11.4	5.4	198120	LU 10	199823	1414397	0.086						Si
46	11.4	5.4	11.4	5.4	199823	LU 10	199823	1414397	0.086						Si
68	10.52	5.4	11.39	5.4	199717	LU 11	199823	1412798	0.086						Si
91	9.45	5.4	9.85	5.4	197001	LU 11	199717	1230348	0.083						Si
103	7.6	5.4	7.6	5.4	193864	LU 11	199370	962923	0.078						Si
126	7.6	5.4	7.6	5.4	184032	LU 11	195578	962923	0.078						Si
148	7.6	5.4	7.6	5.4	169456	LU 11	187042	962923	0.078						Si
171	7.6	5.4	7.6	5.4	150135	LU 11	173761	962923	0.078						Si
194	7.6	5.4	7.6	5.4	126070	LU 11	155736	962923	0.078						Si
217	7.6	5.4	7.6	5.4	97261	LU 11	132967	962923	0.078	34459	LU 8	-4153	-962923	0.078	Si
240	7.6	5.4	7.6	5.4	63707	LU 11	105454	962923	0.078	4718	LU 8	-44585	-962923	0.078	Si
251	7.6	5.4	7.6	5.4	45151	LU 11	89918	962923	0.078	-11521	LU 8	-68626	-962923	0.078	Si
274	7.6	5.4	7.6	5.4	12943	LU 2	55287	962923	0.078	-55199	LU 17	-120266	-962923	0.078	Si
297	7.6	5.4	10.46	5.4	-20992	LU 2	21465	1302412	0.084	-105543	LU 17	-167909	-963291	0.079	Si
322	7.6	5.4	11.4	5.4						-167909	LU 17	-167909	-963377	0.08	Si
342	7.6	5.4	11.4	5.4						-220465	LU 17	-193332	-963377	0.08	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.39	0	608	LU 11	608	10093	68363	0	10093	1	Si
23	0	9.85	0	401	LU 11	401	9617	68363	0	9617	1	Si
28	0.086	9.85	0	358	LU 11	358	9617	68363	10004	10004	1	Si
46	0.086	7.6	0	193	LU 11	193	8821	68363	10004	10004	1	Si
46	0.086	7.6	0	-32	LU 4	-32	-8821	-68363	-10004	-10004	1	Si
68	0.086	7.6	0	32	LU 2	32	8821	68363	10004	10004	1	Si
68	0.086	7.6	0	-239	LU 13	-239	-8821	-68363	-10004	-10004	1	Si
91	0.086	7.6	0	-447	LU 13	-447	-8821	-68363	-10004	-10004	1	Si
103	0.084	7.6	0	-551	LU 13	-551	-8821	-68363	-9789	-9789	1	Si
126	0.084	7.6	0	-759	LU 13	-759	-8821	-68363	-9789	-9789	1	Si
148	0.084	7.6	0	-966	LU 13	-966	-8821	-68363	-9789	-9789	1	Si
171	0.084	7.6	0	-1174	LU 13	-1174	-8821	-68363	-9789	-9789	1	Si
194	0.084	7.6	0	-1382	LU 13	-1382	-8821	-68363	-9789	-9789	1	Si
217	0.084	7.6	0	-1590	LU 13	-1590	-8821	-68363	-9789	-9789	1	Si
240	0.084	7.6	0	-1797	LU 13	-1797	-8821	-68363	-9789	-9789	1	Si
251	0.084	7.6	0	-1901	LU 13	-1901	-8821	-68363	-9789	-9789	1	Si
274	0.086	7.6	0	-2109	LU 13	-2109	-8821	-68363	-10004	-10004	1	Si
297	0.086	7.6	0	-2317	LU 13	-2317	-8821	-68363	-10004	-10004	1	Si
322	0.086	7.6	0	-2550	LU 13	-2550	-8821	-68363	-10004	-10004	1	Si
342	0	7.6	0	-2732	LU 13	-2732	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	146300	1	146300	5.3	124.5	217.8	1837	146300	1	146300	5.3	93.4	0	+∞	Si
23	151829	1	151829	5.5	124.5	226	1837	151829	1	151829	5.5	93.4	0	+∞	Si
28	152400	1	153710	5.6	124.5	228.8	1837	152400	1	153710	5.6	93.4	0	+∞	Si
46	153710	1	153710	5.6	124.5	228.8	1837	153710	1	153710	5.6	93.4	0	+∞	Si
68	153403	2	153710	5.7	124.5	229.2	1837	152379	2	153710	5.7	93.4	0	+∞	Si
91	150870	2	153403	6.1	124.5	263.5	1837	147827	2	152875	6.1	93.4	0	+∞	Si
103	148235	2	153036	4	124.5	59.8	1837	144182	2	151554	6.8	93.4	0	+∞	Si
126	140228	2	149675	3.9	124.5	58.5	1837	134154	2	146173	6.6	93.4	0	+∞	Si
148	128572	2	142665	3.7	124.5	55.8	1837	120478	2	137142	6.2	93.4	0	+∞	Si
171	113266	2	132005	3.4	124.5	51.6	1837	103151	2	124463	5.6	93.4	0	+∞	Si
194	94310	2	117696	3.1	124.5	46	1837	82176	2	108133	4.9	93.4	0	+∞	Si
217	71705	2	99737	2.6	124.5	39	1837	57550	2	88154	4	93.4	0	+∞	Si
240	45450	2	78129	2	124.5	30.5	1837	29276	2	64526	2.9	93.4	0	+∞	Si
251	30954	2	65956	1.7	124.5	25.8	1837	13770	2	51343	2.3	93.4	0	+∞	Si
251	-5546	8	-50872	1.3	124.5	19.9	1837								Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
274	-40561	8	-90534	1.8	124.5	35.4	1837	-28210	1	-77674	3.5	93.4	0	+∞	Si
297	-79225	8	-127130	3.2	124.5	48.9	1837	-66475	1	-113929	4.9	93.4	0	+∞	Si
322	-127130	8	-127130	3.1	124.5	48.7	1837	-113929	1	-113929	4.8	93.4	0	+∞	Si
342	-167503	8	-146659	3.6	124.5	56.2	1837	-153952	1	-133283	5.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
28	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
46	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
68	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
91	0.004	0.003	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
103	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si
126	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si
137	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si
148	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si
171	0.005	0.003	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si
194	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
217	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.007	2	9999	Si
240	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
251	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
274	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
297	0.001	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
322	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si

Campata 2 tra i fili 73 - 71, sezione R 40x70, asta 1167

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	467820	LU 18	430021	1414576	0.086						Si
19	7.6	5.4	11.4	5.4	394433	LU 18	394300	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	390441	LU 18	390441	1414576	0.086						Si
38	7.6	5.4	10.98	5.4	317761	LU 18	390441	1363724	0.085						Si
57	7.6	5.4	9.7	5.4	237803	LU 18	358783	1211752	0.083						Si
76	7.6	5.4	7.6	5.4	156158	LU 17	280567	962923	0.078	65820	LU 2	-32831	-962923	0.078	Si
85	7.6	5.4	7.6	5.4	115287	LU 17	240227	962923	0.078	35888	LU 2	-73407	-962923	0.078	Si
104	7.6	5.4	7.6	5.4	35610	LU 8	158561	962923	0.078	-30400	LU 11	-157021	-962923	0.078	Si
123	7.6	5.4	7.6	5.4	-34293	LU 8	76097	962923	0.078	-112273	LU 11	-243920	-962923	0.078	Si
142	7.6	5.4	7.6	5.4	-106724	LU 8	39940	962923	0.078	-197431	LU 11	-334105	-962923	0.078	Si
161	7.6	5.4	7.6	5.4	-181681	LU 8	37477	962923	0.078	-285875	LU 11	-427574	-962923	0.078	Si
180	7.6	5.4	7.6	5.4	-259166	LU 8	30085	962923	0.078	-377603	LU 11	-527347	-962923	0.078	Si
190	7.6	5.4	7.6	5.4	-297177	LU 4	24542	962923	0.078	-424699	LU 11	-578813	-962923	0.078	Si
199	12.9	5.4	7.6	5.4	-333476	LU 1	17766	963493	0.08	-473665	LU 12	-633001	-1591694	0.09	Si
209	14.24	5.4	7.6	5.4	-368788	LU 1	9759	963579	0.08	-524262	LU 12	-689044	-1751061	0.093	Si
228	16.93	5.4	7.6	5.4						-629642	LU 18	-803593	-2069303	0.101	Si
247	19.01	5.4	7.6	5.4						-742450	LU 18	-852390	-2315301	0.107	Si
265	19.01	5.4	7.6	5.4						-852390	LU 18	-852390	-2315301	0.107	Si
266	19.01	5.4	7.6	5.4						-858543	LU 18	-858423	-2315301	0.107	Si
285	19.01	5.4	7.6	5.4						-977922	LU 18	-914265	-2315301	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-3776	LU 18	-3776	-8821	-68363	0	-8821	1	Si
19	0	7.6	0	-3949	LU 18	-3949	-8821	-68363	0	-8821	1	Si
20	0.062	7.6	0	-3958	LU 18	-3958	-8821	-68363	-7145	-8821	1	Si
38	0.062	7.6	0	-4122	LU 18	-4122	-8821	-68363	-7145	-8821	1	Si
57	0.062	7.6	0	-4295	LU 18	-4295	-8821	-68363	-7145	-8821	1	Si
76	0.062	7.6	0	-4468	LU 18	-4468	-8821	-68363	-7145	-8821	1	Si
85	0.062	7.6	0	-4554	LU 18	-4554	-8821	-68363	-7145	-8821	1	Si
104	0.062	7.6	0	-4727	LU 18	-4727	-8821	-68363	-7145	-8821	1	Si
123	0.062	7.6	0	-4900	LU 18	-4900	-8821	-68363	-7145	-8821	1	Si
142	0.062	7.6	0	-5073	LU 18	-5073	-8821	-68363	-7145	-8821	1	Si
161	0.062	7.6	0	-5246	LU 18	-5246	-8821	-68363	-7145	-8821	1	Si
180	0.062	7.6	0	-5419	LU 18	-5419	-8821	-68363	-7145	-8821	1	Si
199	0.062	7.6	0	-5591	LU 18	-5591	-8821	-68363	-7145	-8821	1	Si
209	0.062	7.6	0	-5678	LU 18	-5678	-8821	-68363	-7145	-8821	1	Si
228	0.062	7.6	0	-5851	LU 18	-5851	-8821	-68363	-7145	-8821	1	Si
247	0.062	7.6	0	-6024	LU 18	-6024	-8821	-68363	-7145	-8821	1	Si
256	0.062	7.6	0	-6110	LU 18	-6110	-8821	-68363	-7145	-8821	1	Si
265	0.062	12.9	0	-6188	LU 18	-6188	-10519	-68363	-7145	-10519	1	Si
266	0	12.9	0	-6197	LU 18	-6197	-10519	-68363	0	-10519	1	Si
285	0	15.58	0	-6370	LU 18	-6370	-11204	-68363	0	-11204	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	346834	9	318581	12.3	124.5	476	1837	266233	2	242733	9.4	93.4	0	+∞	Si
19	291946	9	291846	11.3	124.5	436	1837	220377	2	220288	8.5	93.4	0	+∞	Si
20	288958	9	288958	11.2	124.5	431.7	1837	217863	2	217863	8.4	93.4	0	+∞	Si
38	234531	9	288958	11.3	124.5	447.9	1837	171993	2	217863	8.5	93.4	0	+∞	Si
57	174590	9	265258	10.9	124.5	463.4	1837	121082	2	197933	8.1	93.4	0	+∞	Si
76	113185	8	206656	5.4	124.5	80.8	1837	68101	1	148362	6.7	93.4	0	+∞	Si
85	82325	8	176407	4.6	124.5	69	1837	41001	1	122629	5.5	93.4	0	+∞	Si
104	18709	8	114999	3	124.5	44.9	1837								Si
104	-22279	2	-118791	3.1	124.5	46.4	1837	-17250	2	-109717	4.9	93.4	0	+∞	Si
123	-84678	2	-185056	4.8	124.5	72.3	1837	-77005	2	-173339	7.8	93.4	0	+∞	Si
142	-149603	2	-253847	6.6	124.5	99.2	1837	-139287	2	-239487	10.7	93.4	0	+∞	Si
161	-217055	2	-325166	8.5	124.5	127.1	1837	-204096	2	-308163	13.8	93.4	0	+∞	Si
180	-287035	2	-401024	10.4	124.5	156.7	1837	-271432	2	-379365	17	93.4	0	+∞	Si
199	-360240	3	-481140	17.8	124.5	638.6	1837	-341295	2	-453094	16.8	93.4	0	+∞	Si
209	-398679	3	-523468	18.7	124.5	631.8	1837	-377174	2	-490907	17.6	93.4	0	+∞	Si
228	-478602	9	-610019	20.6	124.5	624	1837	-450828	2	-568427	19.2	93.4	0	+∞	Si
247	-563814	9	-646902	21	124.5	591.8	1837	-527009	2	-601540	19.6	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
265	-646902	9	-646902	21	124.5	591.8	1837	-601540	2	-601540	19.6	93.4	0	+∞	Si
266	-651553	9	-651462	21.2	124.5	596.6	1837	-605716	2	-605637	19.7	93.4	0	+∞	Si
285	-741819	9	-693675	22.5	124.5	635.2	1837	-686951	2	-643560	20.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
38	0	-0.001	0	-0.001	0	0	0	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
57	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
76	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
85	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
104	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
123	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
142	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.011	1	9999	Si
161	-0.004	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
180	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.013	1	9999	Si
190	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.013	1	9999	Si
199	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.013	1	9999	Si
209	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.012	1	9999	Si
228	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
247	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.009	1	9999	Si
265	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
266	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si

Campata 3 tra i fili 71 - 68, sezione R 40x70, asta 1168

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-840942	LU 18	-791222	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-743299	LU 18	-743299	-2315301	0.107	Si
41	19.01	5.4	7.6	5.4						-644645	LU 18	-743299	-2315301	0.107	Si
62	19.01	5.4	7.6	5.4						-552232	LU 18	-684477	-2315301	0.107	Si
82	17.96	5.4	7.6	5.4	-310982	LU 1	11875	963757	0.081	-463644	LU 18	-590466	-2191663	0.104	Si
92	16.51	5.4	7.6	5.4	-282944	LU 1	21197	963695	0.081	-420784	LU 18	-544894	-2020164	0.1	Si
113	13.61	5.4	7.6	5.4	-229074	LU 1	35538	963541	0.08	-337932	LU 18	-456619	-1676655	0.092	Si
133	7.6	5.4	7.6	5.4	-178145	LU 1	44143	962923	0.078	-258905	LU 18	-372169	-962923	0.078	Si
154	7.6	5.4	7.6	5.4	-130159	LU 1	47011	962923	0.078	-183702	LU 18	-291543	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	-85114	LU 1	44143	962923	0.078	-112647	LU 14	-214741	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	-31865	LU 9	44405	962923	0.078	-55914	LU 10	-141763	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	20117	LU 9	102713	962923	0.078	-5004	LU 10	-78396	-962923	0.078	Si
236	7.6	5.4	7.6	5.4	78868	LU 18	157196	962923	0.078	32371	LU 1	-25887	-962923	0.078	Si
246	11.29	5.4	9.39	5.4	107387	LU 18	183003	1175882	0.082	49377	LU 1	-1067	-1401339	0.086	Si
267	13.23	5.4	10.77	5.4	161557	LU 18	213060	1339613	0.084						Si
288	15.21	5.4	11.4	5.4	213060	LU 18	213060	1414287	0.085						Si
308	15.21	5.4	11.4	5.4	258423	LU 18	236641	1414287	0.085						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	4974	LU 18	4974	11971	68363	0	11971	1	Si
20	0.129	17.96	0	4792	LU 18	4792	11747	68363	15005	15005	1	Si
41	0.129	15.06	0	4601	LU 18	4601	11078	68363	15005	15005	1	Si
62	0.129	12.16	0	4415	LU 18	4415	10316	68363	15005	15005	1	Si
82	0.129	7.6	0	4228	LU 18	4228	8821	68363	15005	15005	1	Si
92	0.118	7.6	0	4135	LU 18	4135	8821	68363	13730	13730	1	Si
113	0.118	7.6	0	3948	LU 18	3948	8821	68363	13730	13730	1	Si
133	0.118	7.6	0	3762	LU 18	3762	8821	68363	13730	13730	1	Si
154	0.118	7.6	0	3575	LU 18	3575	8821	68363	13730	13730	1	Si
174	0.118	7.6	0	3389	LU 18	3389	8821	68363	13730	13730	1	Si
195	0.118	7.6	0	3202	LU 18	3202	8821	68363	13730	13730	1	Si
215	0.118	7.6	0	3016	LU 18	3016	8821	68363	13730	13730	1	Si
236	0.115	7.6	0	2829	LU 18	2829	8821	68363	13338	13338	1	Si
246	0.115	7.6	0	2736	LU 18	2736	8821	68363	13338	13338	1	Si
267	0.115	7.6	0	2549	LU 18	2549	8821	68363	13338	13338	1	Si
288	0.115	7.6	0	2358	LU 18	2358	8821	68363	13338	13338	1	Si
308	0	9.39	0	2176	LU 18	2176	9465	68363	0	9465	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-635530	9	-597925	19.4	124.5	547.5	1837	-577252	2	-542941	17.6	93.4	0	+∞	Si
20	-561702	9	-561702	18.3	124.5	514.4	1837	-510013	2	-510013	16.6	93.4	0	+∞	Si
41	-487162	9	-561702	18.3	124.5	514.4	1837	-442390	2	-510013	16.6	93.4	0	+∞	Si
62	-417390	9	-517252	16.8	124.5	473.7	1837	-379372	2	-469657	15.3	93.4	0	+∞	Si
82	-350560	9	-446251	14.8	124.5	431.3	1837	-319295	2	-405409	13.4	93.4	0	+∞	Si
92	-318249	9	-411853	14	124.5	431.4	1837	-290360	2	-374388	12.7	93.4	0	+∞	Si
113	-255831	9	-345264	12.5	124.5	435.1	1837	-234696	2	-314552	11.4	93.4	0	+∞	Si
133	-196356	9	-281617	7.3	124.5	110.1	1837	-181973	2	-257659	11.6	93.4	0	+∞	Si
154	-139822	9	-220912	5.8	124.5	86.3	1837	-132193	2	-203706	9.1	93.4	0	+∞	Si
174	-86447	5	-163149	4.3	124.5	63.8	1837	-85354	2	-152696	6.8	93.4	0	+∞	Si
195	-43011	1	-108327	2.8	124.5	42.3	1837	-43011	1	-104628	4.7	93.4	0	+∞	Si
215	12128	9	74687	1.9	124.5	29.2	1837								Si
215	-3849	1	-60304	1.6	124.5	23.6	1837	-3849	1	-60304	2.7	93.4	0	+∞	Si
236	56895	9	115282	3	124.5	45.1	1837	37512	2	86323	3.9	93.4	0	+∞	Si
246	78175	9	134477	5.3	124.5	241.6	1837	55415	2	102141	4	93.4	0	+∞	Si
267	118529	9	156800	5.7	124.5	246.3	1837	89016	2	120369	4.4	93.4	0	+∞	Si
288	156800	9	156800	5.4	124.5	232.7	1837	120369	2	120369	4.2	93.4	0	+∞	Si
308	190412	9	174297	6	124.5	258.7	1837	147393	2	134573	4.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
41	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.009	1	9999	Si
62	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
82	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.012	1	-0.013	1	9999	Si
92	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
113	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
133	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.013	1	9999	Si
154	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
174	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si
195	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	1	-0.009	1	9999	Si
215	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
236	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
246	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
267	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
288	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si

Campata 4 tra i fili 68 - 65, sezione R 40x70, asta 1169

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	316561	LU 18	316561	1414287	0.085						Si
18	15.21	5.4	11.4	5.4	320824	LU 18	320792	1414287	0.085						Si
20	15.21	5.4	11.4	5.4	321051	LU 18	322137	1414287	0.085						Si
36	13.7	5.4	11.4	5.4	322137	LU 18	322137	1414335	0.085						Si
54	12	5.4	11.4	5.4	320503	LU 18	322137	1414375	0.086						Si
63	11.15	5.4	10.9	5.4	318580	LU 18	322137	1354862	0.085						Si
81	7.6	5.4	9.69	5.4	312523	LU 18	320776	1210990	0.083						Si
90	7.6	5.4	7.6	5.4	308388	LU 18	319022	962923	0.078						Si
99	7.6	5.4	7.6	5.4	303517	LU 18	316532	962923	0.078						Si
117	7.6	5.4	7.6	5.4	291563	LU 18	309339	962923	0.078						Si
135	7.6	5.4	10.57	5.4	276661	LU 18	299199	1314974	0.084						Si
153	7.6	5.4	7.6	5.4	258810	LU 18	286109	962923	0.078						Si
171	7.6	5.4	7.6	5.4	238011	LU 18	270072	962923	0.078						Si
189	7.6	5.4	7.6	5.4	215786	LU 12	251086	962923	0.078						Si
198	7.6	5.4	7.6	5.4	204253	LU 12	240487	962923	0.078						Si
216	7.6	5.4	9.9	5.4	178975	LU 12	218269	1235752	0.083						Si
234	7.6	5.4	11.11	5.4	150749	LU 12	194805	1379719	0.086						Si
250	7.6	5.4	11.4	5.4	124054	LU 11	171446	1414576	0.086						Si
252	7.6	5.4	11.4	5.4	120643	LU 11	120643	1414576	0.086						Si
270	7.6	5.4	11.4	5.4	87731	LU 11	87731	1414576	0.086						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.9	0	547	LU 11	547	9947	68363	0	9947	1	Si
18	0	9.69	0	383	LU 11	383	9563	68363	0	9563	1	Si
20	0.086	9.69	0	365	LU 11	365	9563	68363	10004	10004	1	Si
36	0.086	7.6	0	219	LU 11	219	8821	68363	10004	10004	1	Si
36	0.086	7.6	0	-68	LU 8	-68	-8821	-68363	-10004	-10004	1	Si
54	0.086	7.6	0	55	LU 11	55	8821	68363	10004	10004	1	Si
54	0.086	7.6	0	-194	LU 8	-194	-8821	-68363	-10004	-10004	1	Si
63	0.086	10.57	0	-268	LU 17	-268	-9843	-68363	-10004	-10004	1	Si
81	0.086	10.57	0	-431	LU 17	-431	-9843	-68363	-10004	-10004	1	Si
99	0.089	7.6	0	-595	LU 17	-595	-8821	-68363	-10374	-10374	1	Si
117	0.089	7.6	0	-759	LU 17	-759	-8821	-68363	-10374	-10374	1	Si
135	0.089	7.6	0	-923	LU 17	-923	-8821	-68363	-10374	-10374	1	Si
153	0.089	7.6	0	-1087	LU 17	-1087	-8821	-68363	-10374	-10374	1	Si
171	0.089	7.6	0	-1250	LU 17	-1250	-8821	-68363	-10374	-10374	1	Si
189	0.101	10.57	0	-1414	LU 17	-1414	-9843	-68363	-11671	-11671	1	Si
198	0.101	10.57	0	-1496	LU 17	-1496	-9843	-68363	-11671	-11671	1	Si
216	0.101	7.6	0	-1660	LU 17	-1660	-8821	-68363	-11671	-11671	1	Si
234	0.101	7.6	0	-1824	LU 17	-1824	-8821	-68363	-11671	-11671	1	Si
250	0.101	7.6	0	-1969	LU 17	-1969	-8821	-68363	-11671	-11671	1	Si
252	0	7.6	0	-1988	LU 17	-1988	-8821	-68363	0	-8821	1	Si
261	0	7.6	0	-2069	LU 17	-2069	-8821	-68363	0	-8821	1	Si
270	0	9.29	0	-2151	LU 17	-2151	-9431	-68363	0	-9431	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	235536	9	235536	8.1	124.5	349.6	1837	190316	2	190316	6.6	93.4	0	+∞	Si
18	239201	9	239179	8.3	124.5	355	1837	196560	2	196552	6.8	93.4	0	+∞	Si
20	239420	9	240598	8.3	124.5	357.1	1837	197065	2	201932	7	93.4	0	+∞	Si
36	240598	9	240598	8.5	124.5	357.5	1837	200537	2	202248	7.1	93.4	0	+∞	Si
54	239728	9	240598	8.7	124.5	358	1837	202245	2	202248	7.3	93.4	0	+∞	Si
63	238442	9	240598	9	124.5	374.2	1837	202248	2	202248	7.5	93.4	0	+∞	Si
81	234169	9	239893	9.8	124.5	419.3	1837	200555	2	202248	8.3	93.4	0	+∞	Si
99	227628	9	237015	6.2	124.5	92.6	1837	196593	2	201815	9.1	93.4	0	+∞	Si
117	218819	9	231869	6	124.5	90.6	1837	190363	2	199248	8.9	93.4	0	+∞	Si
135	207742	9	224455	8.9	124.5	360.9	1837	181865	2	194413	7.7	93.4	0	+∞	Si
153	194397	9	214773	5.6	124.5	83.9	1837	171099	2	187310	8.4	93.4	0	+∞	Si
171	178784	9	202823	5.3	124.5	79.3	1837	158066	2	177939	8	93.4	0	+∞	Si
189	161919	3	188605	4.9	124.5	73.7	1837	142764	2	166300	7.5	93.4	0	+∞	Si
198	153092	3	180645	4.7	124.5	70.6	1837	134262	2	159630	7.2	93.4	0	+∞	Si
216	133737	3	163818	6.7	124.5	280.5	1837	115559	2	144589	5.9	93.4	0	+∞	Si
234	112115	3	145859	5.7	124.5	223.5	1837	94587	2	127280	5	93.4	0	+∞	Si
250	91564	2	127970	4.9	124.5	191.2	1837	73992	2	109970	4.2	93.4	0	+∞	Si
252	88937	2	88937	3.4	124.5	132.9	1837	71347	2	71347	2.8	93.4	0	+∞	Si
270	63585	2	63585	2.5	124.5	95	1837	45839	2	45839	1.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
36	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
54	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
63	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
81	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si
99	0.005	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.011	2	0.01	2	9999	Si
117	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
126	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
135	0.006	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
153	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
171	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si
189	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
198	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.008	2	9999	Si
216	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
234	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
250	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
252	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Campata 5 tra i fili 65 - 62, sezione R 40x70, asta 1170

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	305901	LU 18	271315	1414576	0.086						Si
18	7.6	5.4	11.4	5.4	240458	LU 18	240211	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	234962	LU 18	234962	1414576	0.086						Si
37	7.6	5.4	11.11	5.4	171900	LU 18	234962	1379714	0.086						Si
55	7.6	5.4	9.86	5.4	100228	LU 18	211404	1231754	0.083	64501	LU 1	-20391	-963229	0.079	Si
74	7.6	5.4	7.6	5.4	25585	LU 16	141512	962923	0.078	15613	LU 4	-100194	-962923	0.078	Si
83	7.6	5.4	7.6	5.4	-8281	LU 6	105397	962923	0.078	-14769	LU 12	-141263	-962923	0.078	Si
102	7.6	5.4	7.6	5.4	-61489	LU 1	30916	962923	0.078	-94349	LU 12	-225738	-962923	0.078	Si
120	7.6	5.4	7.6	5.4	-116078	LU 1	35376	962923	0.078	-177044	LU 12	-313327	-962923	0.078	Si
139	7.6	5.4	7.6	5.4	-173062	LU 1	37712	962923	0.078	-262854	LU 12	-404030	-962923	0.078	Si
157	7.6	5.4	7.6	5.4	-232442	LU 1	35376	962923	0.078	-351778	LU 12	-497848	-962923	0.078	Si
176	12.09	5.4	7.6	5.4	-294218	LU 1	28368	963433	0.08	-443816	LU 12	-594780	-1495965	0.088	Si
194	17.57	6.3	7.6	5.4	-358390	LU 1	16689	994826	0.085	-538969	LU 12	-694827	-2116149	0.104	Si
203	19.32	6.4	7.6	5.4	-391374	LU 1	9097	1002055	0.086	-587713	LU 12	-746019	-2315302	0.11	Si
222	21.56	6.6	7.6	5.4						-687538	LU 12	-850737	-2565943	0.117	Si
240	22.81	6.7	7.6	5.4						-790477	LU 12	-887869	-2701330	0.127	Si
257	22.81	6.7	7.6	5.4						-887869	LU 12	-887869	-2701330	0.127	Si
259	22.81	6.7	7.6	5.4						-896531	LU 12	-896247	-2701330	0.127	Si
277	22.81	6.7	7.6	5.4						-1005699	LU 12	-945900	-2701330	0.127	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	9.24	0	-3460	LU 12	-3460	-9414	-68363	0	-9414	1	Si
18	0	7.6	0	-3628	LU 12	-3628	-8821	-68363	0	-8821	1	Si
20	0.115	7.6	0	-3642	LU 12	-3642	-8821	-68363	-13338	-13338	1	Si
37	0.115	7.6	0	-3797	LU 12	-3797	-8821	-68363	-13338	-13338	1	Si
55	0.115	7.6	0	-3965	LU 12	-3965	-8821	-68363	-13338	-13338	1	Si
74	0.115	7.6	0	-4133	LU 12	-4133	-8821	-68363	-13338	-13338	1	Si
83	0.115	7.6	0	-4217	LU 12	-4217	-8821	-68363	-13338	-13338	1	Si
102	0.124	7.6	0	-4386	LU 12	-4386	-8821	-68363	-14364	-14364	1	Si
120	0.124	7.6	0	-4554	LU 12	-4554	-8821	-68363	-14364	-14364	1	Si
139	0.124	7.6	0	-4723	LU 12	-4723	-8821	-68363	-14364	-14364	1	Si
157	0.124	7.6	0	-4891	LU 12	-4891	-8821	-68363	-14364	-14364	1	Si
176	0.124	7.6	0	-5059	LU 12	-5059	-8821	-68363	-14364	-14364	1	Si
194	0.129	7.6	0	-5228	LU 12	-5228	-8764	-67462	-14808	-14808	1	Si
203	0.129	7.6	0	-5312	LU 12	-5312	-8757	-67352	-14784	-14784	1	Si
222	0.129	7.6	0	-5480	LU 12	-5480	-8742	-67115	-14732	-14732	1	Si
240	0.129	12.09	0	-5648	LU 12	-5648	-10191	-66952	-14696	-14696	1	Si
257	0.129	17.57	0	-5803	LU 12	-5803	-11545	-66952	-14696	-14696	1	Si
259	0	17.57	0	-5817	LU 12	-5817	-11545	-66952	0	-11545	1	Si
277	0	20.69	0	-5985	LU 12	-5985	-12190	-66952	0	-12190	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	230057	9	204096	7.9	124.5	304.9	1837	205289	2	182335	7	93.4	0	+∞	Si
18	180907	9	180720	7	124.5	270	1837	161702	2	161532	6.2	93.4	0	+∞	Si
20	176776	9	176776	6.8	124.5	264.1	1837	158022	2	158022	6.1	93.4	0	+∞	Si
37	129361	9	176776	6.9	124.5	270.8	1837	115719	2	158022	6.2	93.4	0	+∞	Si
55	75419	9	159068	6.5	124.5	273.3	1837	67341	2	142248	5.8	93.4	0	+∞	Si
74	19177	7	106495	2.8	124.5	41.6	1837	16567	2	95239	4.3	93.4	0	+∞	Si
83	-11085	3	-106498	2.8	124.5	41.6	1837	-9719	2	-96262	4.3	93.4	0	+∞	Si
102	-71098	3	-170276	4.4	124.5	66.6	1837	-64087	2	-154394	6.9	93.4	0	+∞	Si
120	-133506	3	-236449	6.2	124.5	91.8	1837	-120850	2	-214922	9.6	93.4	0	+∞	Si
139	-198311	3	-305018	7.9	124.5	119.2	1837	-180009	2	-277846	12.5	93.4	0	+∞	Si
157	-265511	3	-375982	9.8	124.5	147	1837	-241564	2	-343166	15.4	93.4	0	+∞	Si
176	-335106	3	-449342	17	124.5	634.6	1837	-305515	2	-410881	15.5	93.4	0	+∞	Si
194	-407098	3	-525099	17.9	124.5	535.5	1837	-371862	2	-480992	16.4	93.4	0	+∞	Si
203	-443992	3	-563875	18.7	124.5	527.7	1837	-405933	2	-516946	17.1	93.4	0	+∞	Si
222	-519577	3	-643225	20.7	124.5	547.4	1837	-475874	2	-590651	19	93.4	0	+∞	Si
240	-597558	3	-671369	21.3	124.5	545.3	1837	-548209	2	-616833	19.6	93.4	0	+∞	Si
257	-671369	3	-671369	21.3	124.5	545.3	1837	-616833	2	-616833	19.6	93.4	0	+∞	Si
259	-677935	3	-677720	21.5	124.5	550.5	1837	-622941	2	-622744	19.7	93.4	0	+∞	Si
277	-760707	3	-715358	22.7	124.5	581.1	1837	-700068	2	-657771	20.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
18	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
20	0	0	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
37	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
55	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
74	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
83	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
102	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
120	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.011	1	-0.011	1	9999	Si
139	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.012	1	9999	Si
157	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
176	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	1	-0.014	1	9999	Si
194	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	1	-0.014	1	9999	Si
203	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
222	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
240	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
257	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	1	-0.005	1	9999	Si
259	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si

Campata 6 tra i fili 62 - 59, sezione R 40x70, asta 1171

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	6.7	7.6	5.4						-1128853	LU 12	-1061142	-2701330	0.127	Si
19	22.81	6.7	7.6	5.4						-1000682	LU 12	-1000597	-2701330	0.127	Si
20	22.81	6.7	7.6	5.4						-995218	LU 12	-995218	-2701330	0.127	Si
38	22.81	6.7	7.6	5.4						-875853	LU 12	-995218	-2701330	0.127	Si
58	21.37	6.6	7.6	5.4						-754368	LU 12	-939948	-2545254	0.117	Si
77	19.57	6.3	7.6	5.4	-426064	LU 1	9984	999957	0.086	-636225	LU 12	-816735	-2346591	0.11	Si
86	18.26	6.2	7.6	5.4	-387255	LU 1	18132	992460	0.085	-578408	LU 12	-756382	-2200044	0.106	Si
105	13	5.4	7.6	5.4	-311566	LU 1	30669	963501	0.08	-465280	LU 12	-638184	-1604002	0.09	Si
125	11.19	5.4	7.6	5.4	-238449	LU 1	38190	963360	0.079	-355495	LU 12	-523329	-1389518	0.086	Si
134	7.6	5.4	7.6	5.4	-202855	LU 1	40071	962923	0.078	-302309	LU 18	-467155	-962923	0.078	Si
144	7.6	5.4	7.6	5.4	-167903	LU 1	40698	962923	0.078	-250127	LU 18	-411816	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	-99929	LU 1	38190	962923	0.078	-148269	LU 18	-304079	-962923	0.078	Si
182	7.6	5.4	7.6	5.4	-34527	LU 1	98708	962923	0.078	-49755	LU 18	-200495	-962923	0.078	Si
201	7.6	5.4	7.6	5.4	50344	LU 11	190051	962923	0.078	27441	LU 8	-100253	-962923	0.078	Si
220	10.77	5.4	9.73	5.4	143285	LU 12	278050	1215719	0.083	88564	LU 1	-7819	-1338859	0.085	Si
230	11.67	5.4	10.37	5.4	188566	LU 12	320797	1292284	0.084						Si
249	13.48	5.4	11.4	5.4	276622	LU 12	357688	1414331	0.085						Si
268	15.21	5.4	11.4	5.4	357688	LU 12	357688	1414287	0.085						Si
268	15.21	5.4	11.4	5.4	361335	LU 12	361229	1414287	0.085						Si
288	15.21	5.4	11.4	5.4	442704	LU 12	401089	1414287	0.085						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	20.47	0	6774	LU 12	6774	12147	66952	0	12147	1	Si
19	0	18.26	0	6600	LU 12	6600	11694	66952	0	11694	1	Si
20	0.144	18.26	0	6592	LU 12	6592	11694	66952	16329	16329	1	Si
38	0.144	13	0	6426	LU 12	6426	10441	66952	16329	16329	1	Si
58	0.144	11.19	0	6251	LU 12	6251	9946	67141	16375	16375	1	Si
77	0.144	7.6	0	6077	LU 12	6077	8761	67419	16443	16443	1	Si
86	0.144	7.6	0	5990	LU 12	5990	8770	67561	16477	16477	1	Si
105	0.131	7.6	0	5815	LU 12	5815	8821	68363	15199	15199	1	Si
125	0.131	7.6	0	5641	LU 12	5641	8821	68363	15199	15199	1	Si
144	0.131	7.6	0	5466	LU 12	5466	8821	68363	15199	15199	1	Si
163	0.131	11.67	0	5292	LU 12	5292	10175	68363	15199	15199	1	Si
182	0.131	12.1	0	5117	LU 12	5117	10297	68363	15199	15199	1	Si
201	0.129	7.6	0	4943	LU 12	4943	8821	68363	15005	15005	1	Si
220	0.129	7.6	0	4769	LU 12	4769	8821	68363	15005	15005	1	Si
230	0.129	7.6	0	4681	LU 12	4681	8821	68363	15005	15005	1	Si
249	0.129	7.6	0	4507	LU 12	4507	8821	68363	15005	15005	1	Si
268	0.129	7.6	0	4340	LU 12	4340	8821	68363	15005	15005	1	Si
268	0	7.6	0	4333	LU 12	4333	8821	68363	0	8821	1	Si
288	0	9.73	0	4158	LU 12	4158	9576	68363	0	9576	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-853859	3	-802562	25.4	124.5	651.9	1837	-786111	2	-738490	23.4	93.4	0	+∞	Si
19	-756777	3	-756713	24	124.5	614.7	1837	-696075	2	-696018	22.1	93.4	0	+∞	Si
20	-752640	3	-752640	23.9	124.5	611.3	1837	-692244	2	-692244	21.9	93.4	0	+∞	Si
38	-662266	3	-752640	23.9	124.5	611.3	1837	-608610	2	-692244	21.9	93.4	0	+∞	Si
58	-570327	3	-710788	22.9	124.5	609.4	1837	-523717	2	-653492	21	93.4	0	+∞	Si
77	-480959	3	-617520	20.3	124.5	569.5	1837	-441395	2	-567270	18.7	93.4	0	+∞	Si
86	-437239	3	-571851	19.2	124.5	560.1	1837	-401199	2	-525124	17.6	93.4	0	+∞	Si
105	-351729	3	-482440	17.8	124.5	635.5	1837	-322735	2	-442759	16.3	93.4	0	+∞	Si
125	-268790	3	-395601	15.4	124.5	601.8	1837	-246842	2	-362966	14.1	93.4	0	+∞	Si
144	-189138	9	-311333	8.1	124.5	121.7	1837	-173521	2	-285745	12.8	93.4	0	+∞	Si
163	-112170	9	-229925	6	124.5	89.9	1837	-102771	2	-211095	9.5	93.4	0	+∞	Si
182	-37774	9	-151629	4	124.5	59.3	1837	-34593	2	-139016	6.2	93.4	0	+∞	Si
201	37337	2	142525	3.7	124.5	55.7	1837	31014	2	125601	5.6	93.4	0	+∞	Si
220	107332	3	208706	8.1	124.5	362.5	1837	94049	2	184736	7.2	93.4	0	+∞	Si
230	141408	3	240832	9.1	124.5	392.8	1837	124603	2	213339	8	93.4	0	+∞	Si
249	207632	3	268545	9.5	124.5	399.1	1837	183780	2	237954	8.4	93.4	0	+∞	Si
268	268545	3	268545	9.3	124.5	398.6	1837	237954	2	237954	8.2	93.4	0	+∞	Si
268	271285	3	271205	9.4	124.5	402.5	1837	240387	2	240313	8.3	93.4	0	+∞	Si
288	332366	3	301143	10.4	124.5	447	1837	294422	2	266875	9.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
19	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
20	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
38	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.01	1	-0.01	1	9999	Si
58	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.012	1	-0.013	1	9999	Si
77	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.014	1	-0.014	1	9999	Si
86	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.014	1	-0.015	1	9999	Si
96	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.015	1	-0.015	1	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
105	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.014	1	-0.015	1	9999	Si
125	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.014	1	-0.014	1	9999	Si
144	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.012	1	-0.013	1	9999	Si
163	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
182	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
201	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
220	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
230	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.004	1	-0.004	1	9999	Si
249	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
268	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
268	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si

Campata 7 tra i fili 59 - 56, sezione R 40x70, asta 1172

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4	236033	LU 18	236033	1414287	0.085						Si
19	15.21	5.4	11.4	5.4	267016	LU 18	267016	1414287	0.085						Si
20	15.21	5.4	11.4	5.4	268517	LU 18	309280	1414287	0.085						Si
38	13.51	5.4	11	5.4	294713	LU 18	330710	1366788	0.085						Si
57	11.72	5.4	9.72	5.4	319126	LU 18	350096	1215068	0.083						Si
76	7.6	5.4	7.6	5.4	340254	LU 18	366667	962923	0.078						Si
86	7.6	5.4	7.6	5.4	349585	LU 18	374134	962923	0.078						Si
105	7.6	5.4	7.6	5.4	366216	LU 12	386606	962923	0.078						Si
124	7.6	5.4	7.6	5.4	380428	LU 12	395793	962923	0.078						Si
143	7.6	5.4	7.6	5.4	391356	LU 12	401694	962923	0.078						Si
162	7.6	5.4	7.6	5.4	398999	LU 12	404311	962923	0.078						Si
171	7.6	5.4	7.6	5.4	401588	LU 12	404429	962923	0.078						Si
181	7.6	5.4	7.6	5.4	403356	LU 12	404429	962923	0.078						Si
200	7.6	5.4	7.6	5.4	404429	LU 12	404429	962923	0.078						Si
219	7.6	5.4	11.84	5.4	402216	LU 12	404429	1466897	0.087						Si
228	7.6	5.4	13.12	5.4	399878	LU 12	404429	1618723	0.091						Si
247	7.6	5.4	15.21	5.4	392737	LU 12	402307	1865528	0.096						Si
265	7.6	5.4	15.21	5.4	382904	LU 12	397240	1865528	0.096						Si
266	7.6	5.4	15.21	5.4	382312	LU 12	382293	1865528	0.096						Si
285	7.6	5.4	15.21	5.4	368601	LU 12	368601	1865528	0.096						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1797	LU 11	1797	8821	68363	0	8821	1	Si
19	0	7.6	0	1624	LU 11	1624	8821	68363	0	8821	1	Si
20	0.086	7.6	0	1615	LU 11	1615	8821	68363	10004	10004	1	Si
38	0.086	7.6	0	1451	LU 11	1451	8821	68363	10004	10004	1	Si
57	0.086	7.6	0	1279	LU 11	1279	8821	68363	10004	10004	1	Si
76	0.086	7.6	0	1106	LU 11	1106	8821	68363	10004	10004	1	Si
86	0.086	7.6	0	1019	LU 11	1019	8821	68363	10004	10004	1	Si
105	0.063	7.6	0	846	LU 11	846	8821	68363	7336	8821	1	Si
124	0.063	7.6	0	673	LU 11	673	8821	68363	7336	8821	1	Si
143	0.063	7.6	0	500	LU 11	500	8821	68363	7336	8821	1	Si
162	0.063	7.6	0	328	LU 11	328	8821	68363	7336	8821	1	Si
181	0.063	7.6	0	155	LU 11	155	8821	68363	7336	8821	1	Si
181	0.063	7.6	0	-8	LU 8	-8	-8821	-68363	-7336	-8821	1	Si
200	0.063	7.6	0	9	LU 2	9	8821	68363	7336	8821	1	Si
200	0.063	7.6	0	-168	LU 17	-168	-8821	-68363	-7336	-8821	1	Si
219	0.063	7.6	0	-341	LU 17	-341	-8821	-68363	-7336	-8821	1	Si
228	0.063	7.6	0	-428	LU 17	-428	-8821	-68363	-7336	-8821	1	Si
247	0.063	7.6	0	-601	LU 17	-601	-8821	-68363	-7336	-8821	1	Si
265	0.063	7.6	0	-764	LU 17	-764	-8821	-68363	-7336	-8821	1	Si
266	0	7.6	0	-774	LU 17	-774	-8821	-68363	0	-8821	1	Si
285	0	11.84	0	-946	LU 17	-946	-10225	-68363	0	-10225	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	176424	9	176424	6.1	124.5	261.9	1837	150620	2	150620	5.2	93.4	0	+∞	Si
19	200218	9	200218	6.9	124.5	297.2	1837	174541	2	174541	6	93.4	0	+∞	Si
20	201370	9	232667	8.1	124.5	345.3	1837	175700	2	207190	7.2	93.4	0	+∞	Si
38	221485	9	249114	8.9	124.5	383.3	1837	195934	2	223757	8	93.4	0	+∞	Si
57	240225	9	263988	10.2	124.5	458.4	1837	214801	2	238758	9.2	93.4	0	+∞	Si
76	256438	9	276647	7.2	124.5	108.1	1837	231140	2	251231	11.3	93.4	0	+∞	Si
86	263596	9	282306	7.4	124.5	110.3	1837	238362	2	256520	11.5	93.4	0	+∞	Si
105	276306	3	291727	7.6	124.5	114	1837	250911	2	265203	11.9	93.4	0	+∞	Si
124	287066	3	298622	7.8	124.5	116.7	1837	260933	2	271358	12.2	93.4	0	+∞	Si
143	295300	3	302989	7.9	124.5	118.4	1837	268428	2	274987	12.3	93.4	0	+∞	Si
162	301007	3	304829	7.9	124.5	119.1	1837	273396	2	276110	11.8	93.4	0	+∞	Si
181	304186	3	304839	7.9	124.5	119.2	1837	275837	2	276110	11.8	93.4	0	+∞	Si
200	304839	3	304839	7.9	124.5	119.2	1837	275751	2	276110	11.8	93.4	0	+∞	Si
219	302965	3	304839	11.6	124.5	439.1	1837	273138	2	276110	10.5	93.4	0	+∞	Si
228	301080	3	304839	11.2	124.5	397.9	1837	270884	2	275773	10.1	93.4	0	+∞	Si
247	295415	3	303040	10.6	124.5	343.5	1837	264481	2	273236	9.6	93.4	0	+∞	Si
265	287688	3	298980	10.5	124.5	338.9	1837	256053	2	268475	9.4	93.4	0	+∞	Si
266	287224	3	287210	10	124.5	325.5	1837	255550	2	255537	8.9	93.4	0	+∞	Si
285	276505	3	276505	9.7	124.5	313.4	1837	244093	2	244093	8.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
19	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
20	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
38	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.008	2	0.008	2	9999	Si
57	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
76	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
86	0.007	0.006	0.006	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.015	2	0.014	2	9999	Si
105	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.007	0.007	0.017	2	0.016	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
124	0.009	0.008	0.008	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.018	2	0.017	2	9999	Si
143	0.009	0.008	0.008	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.019	2	0.018	2	9999	Si
162	0.009	0.008	0.008	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.018	2	0.018	2	9999	Si
181	0.008	0.007	0.008	0.007	0.008	0.007	0.007	0.007	0.008	0.007	0.017	2	0.017	2	9999	Si
200	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.015	2	9999	Si
219	0.006	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.013	2	9999	Si
228	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	2	0.012	2	9999	Si
247	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
265	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
266	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si

Campata 8 tra i fili 56 - ?, sezione R 40x70, asta 1173

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	460663	LU 18	460663	1865528	0.096						Si
20	7.6	5.4	15.21	5.4	460597	LU 12	460598	1865528	0.096						Si
40	7.6	5.4	11.89	5.4	457982	LU 12	460598	1543438	0.089						Si
60	7.6	5.4	12.76	5.4	451665	LU 12	459545	1575183	0.09						Si
81	7.6	5.4	12.19	5.4	441647	LU 12	454862	1507862	0.088						Si
91	7.6	5.4	10.83	5.4	435250	LU 12	451133	1346642	0.085						Si
101	7.6	5.4	7.6	5.4	427928	LU 12	446478	962923	0.078						Si
111	7.6	5.4	7.6	5.4	419681	LU 12	440898	962923	0.078						Si
131	7.6	5.4	7.6	5.4	400411	LU 12	426963	962923	0.078						Si
151	7.6	5.4	7.6	5.4	377439	LU 12	409327	962923	0.078						Si
171	7.6	5.4	7.6	5.4	350767	LU 12	387989	962923	0.078						Si
192	7.6	5.4	7.6	5.4	320487	LU 11	362951	962923	0.078						Si
212	7.6	5.4	7.6	5.4	287111	LU 11	334212	962923	0.078						Si
232	7.6	5.4	7.6	5.4	250033	LU 11	302255	962923	0.078						Si
242	7.6	5.4	11.32	5.4	230107	LU 11	284995	1404459	0.086						Si
262	7.6	5.4	14.03	5.4	187478	LU 11	247701	1726764	0.093						Si
282	7.6	5.4	15.21	5.4	140742	LU 11	206346	1865528	0.096						Si
302	7.6	5.4	15.21	5.4	91117	LU 11	91117	1865528	0.096						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	12.76	0	284	LU 10	284	10481	68363	0	10481	1	Si
0	0	12.76	0	-4	LU 9	-4	-10481	-68363	0	-10481	1	Si
20	0.072	12.19	0	102	LU 10	102	10324	68363	8336	10324	1	Si
20	0.072	12.19	0	-144	LU 9	-144	-10324	-68363	-8336	-10324	1	Si
40	0.072	7.6	0	-306	LU 18	-306	-8821	-68363	-8336	-8821	1	Si
60	0.072	7.6	0	-489	LU 18	-489	-8821	-68363	-8336	-8821	1	Si
81	0.072	7.6	0	-673	LU 18	-673	-8821	-68363	-8336	-8821	1	Si
91	0.082	7.6	0	-764	LU 18	-764	-8821	-68363	-9527	-9527	1	Si
111	0.082	7.6	0	-948	LU 18	-948	-8821	-68363	-9527	-9527	1	Si
131	0.082	7.6	0	-1131	LU 18	-1131	-8821	-68363	-9527	-9527	1	Si
151	0.082	7.6	0	-1315	LU 18	-1315	-8821	-68363	-9527	-9527	1	Si
171	0.082	7.6	0	-1498	LU 18	-1498	-8821	-68363	-9527	-9527	1	Si
192	0.082	7.6	0	-1682	LU 18	-1682	-8821	-68363	-9527	-9527	1	Si
212	0.082	7.6	0	-1865	LU 18	-1865	-8821	-68363	-9527	-9527	1	Si
232	0.086	7.6	0	-2049	LU 18	-2049	-8821	-68363	-10004	-10004	1	Si
242	0.086	7.6	0	-2141	LU 18	-2141	-8821	-68363	-10004	-10004	1	Si
262	0.086	7.6	0	-2324	LU 18	-2324	-8821	-68363	-10004	-10004	1	Si
282	0.086	7.6	0	-2509	LU 18	-2509	-8821	-68363	-10004	-10004	1	Si
292	0	7.6	0	-2600	LU 18	-2600	-8821	-68363	0	-8821	1	Si
302	0	11.32	0	-2691	LU 18	-2691	-10072	-68363	0	-10072	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	346095	9	346095	12.1	124.5	392.3	1837	306971	2	306971	10.7	93.4	0	+∞	Si
20	346445	3	346448	12.1	124.5	392.7	1837	309514	2	309741	10.8	93.4	0	+∞	Si
40	344721	3	346448	13	124.5	474.2	1837	309240	2	309741	11.6	93.4	0	+∞	Si
60	340148	3	345798	12.8	124.5	463.8	1837	306104	2	309682	11.5	93.4	0	+∞	Si
81	332727	3	342481	12.9	124.5	479.9	1837	300122	2	307803	11.6	93.4	0	+∞	Si
91	327949	3	339755	13.4	124.5	533.4	1837	296063	2	305796	12	93.4	0	+∞	Si
111	316258	3	332168	8.7	124.5	129.8	1837	285809	2	299647	13.4	93.4	0	+∞	Si
131	301720	3	321734	8.4	124.5	125.8	1837	272710	2	290650	13	93.4	0	+∞	Si
151	284335	3	308453	8	124.5	120.6	1837	256763	2	278807	12.5	93.4	0	+∞	Si
171	264104	3	292325	7.6	124.5	114.3	1837	237969	2	264117	11.8	93.4	0	+∞	Si
192	241087	2	273350	7.1	124.5	106.8	1837	216329	2	246581	11.1	93.4	0	+∞	Si
212	215627	2	251528	6.6	124.5	98.3	1837	191841	2	226197	10.1	93.4	0	+∞	Si
232	187319	2	227181	5.9	124.5	88.8	1837	164507	2	202966	9.1	93.4	0	+∞	Si
242	172098	2	214012	8.3	124.5	322	1837	149772	2	190284	7.4	93.4	0	+∞	Si
262	139521	2	185538	6.7	124.5	227.1	1837	118168	2	162783	5.9	93.4	0	+∞	Si
282	103786	2	153942	5.4	124.5	174.5	1837	83414	2	132168	4.6	93.4	0	+∞	Si
302	65825	2	65825	2.3	124.5	74.6	1837	46418	2	46418	1.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
40	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si
60	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
81	0.008	0.007	0.007	0.006	0.007	0.007	0.007	0.006	0.007	0.007	0.016	2	0.016	2	9999	Si
91	0.009	0.007	0.008	0.007	0.008	0.007	0.007	0.007	0.008	0.007	0.018	2	0.017	2	9999	Si
111	0.009	0.008	0.008	0.007	0.009	0.008	0.008	0.007	0.008	0.008	0.019	2	0.018	2	9999	Si
131	0.01	0.008	0.009	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.02	2	0.019	2	9999	Si
141	0.01	0.008	0.009	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.02	2	0.019	2	9999	Si
151	0.01	0.008	0.009	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.02	2	0.019	2	9999	Si
171	0.009	0.008	0.008	0.007	0.009	0.008	0.008	0.007	0.008	0.008	0.019	2	0.018	2	9999	Si
192	0.008	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.018	2	0.017	2	9999	Si
212	0.007	0.006	0.007	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.015	2	0.015	2	9999	Si
232	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.013	2	0.012	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
242	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
262	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.008	2	0.007	2	9999	Si
282	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si

Campata 9 tra i fili ? - ?, sezione R 40x70, asta 1174

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	428820	LU 12	402245	1865528	0.096						Si
20	7.6	5.4	15.21	5.4	374340	LU 12	374340	1865528	0.096						Si
45	7.6	5.4	15.21	5.4	300270	LU 12	374340	1865528	0.096						Si
68	7.6	5.4	13.62	5.4	228879	LU 12	319433	1677312	0.092						Si
91	7.6	5.4	7.6	5.4	152743	LU 12	249382	962923	0.078						Si
102	7.6	5.4	7.6	5.4	112897	LU 12	212577	962923	0.078						Si
125	7.6	5.4	7.6	5.4	31332	LU 18	135410	962923	0.078	17963	LU 1	-84882	-962923	0.078	Si
147	7.6	5.4	7.6	5.4	-33370	LU 8	54733	962923	0.078	-59024	LU 11	-178942	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	-92413	LU 8	58240	962923	0.078	-151744	LU 11	-277745	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	-155106	LU 8	54733	962923	0.078	-249207	LU 11	-381293	-962923	0.078	Si
215	11.81	5.4	7.6	5.4	-221448	LU 8	44214	963412	0.08	-351414	LU 11	-489585	-1463161	0.087	Si
238	13.95	5.4	7.6	5.4	-291439	LU 8	26681	963562	0.08	-458366	LU 11	-602621	-1716688	0.093	Si
261	15.21	5.4	7.6	5.4	-365080	LU 8	2135	963633	0.08	-570062	LU 11	-720401	-1865528	0.096	Si
272	18.28	5.4	7.6	5.4						-627689	LU 11	-781070	-2229780	0.105	Si
295	20.42	5.4	10.48	5.4						-746501	LU 11	-885012	-2482344	0.105	Si
320	22.81	5.4	11.4	5.4						-885012	LU 11	-885012	-2764523	0.109	Si
340	22.81	5.4	11.4	5.4						-998357	LU 11	-940409	-2764523	0.109	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.62	0	-2607	LU 12	-2607	-10712	-68363	0	-10712	1	Si
20	0.115	12.09	0	-2791	LU 12	-2791	-10296	-68363	-13338	-13338	1	Si
45	0.115	7.6	0	-3023	LU 12	-3023	-8821	-68363	-13338	-13338	1	Si
68	0.115	7.6	0	-3231	LU 12	-3231	-8821	-68363	-13338	-13338	1	Si
91	0.119	7.6	0	-3438	LU 12	-3438	-8821	-68363	-13859	-13859	1	Si
102	0.119	7.6	0	-3542	LU 12	-3542	-8821	-68363	-13859	-13859	1	Si
125	0.119	7.6	0	-3750	LU 12	-3750	-8821	-68363	-13859	-13859	1	Si
147	0.119	7.6	0	-3958	LU 12	-3958	-8821	-68363	-13859	-13859	1	Si
170	0.119	7.6	0	-4166	LU 12	-4166	-8821	-68363	-13859	-13859	1	Si
193	0.119	7.6	0	-4373	LU 12	-4373	-8821	-68363	-13859	-13859	1	Si
215	0.119	7.6	0	-4581	LU 12	-4581	-8821	-68363	-13859	-13859	1	Si
238	0.119	7.6	0	-4789	LU 12	-4789	-8821	-68363	-13859	-13859	1	Si
261	0.129	7.6	0	-4997	LU 12	-4997	-8821	-68363	-15005	-15005	1	Si
272	0.129	10.74	0	-5101	LU 12	-5101	-9899	-68363	-15005	-15005	1	Si
295	0.129	12.88	0	-5308	LU 12	-5308	-10515	-68363	-15005	-15005	1	Si
320	0.129	15.21	0	-5541	LU 12	-5541	-11113	-68363	-15005	-15005	1	Si
329	0	15.21	0	-5620	LU 12	-5620	-11113	-68363	0	-11113	1	Si
340	0	18.28	0	-5724	LU 12	-5724	-11817	-68363	0	-11817	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	319907	3	300217	10.5	124.5	340.3	1837	274451	2	258185	9	93.4	0	+∞	Si
20	279492	3	279492	9.8	124.5	316.8	1837	240835	2	240835	8.4	93.4	0	+∞	Si
45	224407	3	279492	9.8	124.5	316.8	1837	194363	2	240835	8.4	93.4	0	+∞	Si
68	171184	3	238670	8.7	124.5	300.7	1837	148844	2	206448	7.5	93.4	0	+∞	Si
91	114311	3	186477	4.9	124.5	72.9	1837	99677	2	161961	7.3	93.4	0	+∞	Si
102	84506	3	159012	4.1	124.5	62.2	1837	73724	2	138349	6.2	93.4	0	+∞	Si
125	23283	9	101345	2.6	124.5	39.6	1837	19083	2	88387	4	93.4	0	+∞	Si
147	-44287	2	-134363	3.5	124.5	52.5	1837	-39208	2	-119420	5.4	93.4	0	+∞	Si
170	-113919	2	-208676	5.4	124.5	81.6	1837	-101149	2	-186041	8.3	93.4	0	+∞	Si
193	-187200	2	-286637	7.5	124.5	112	1837	-166738	2	-256311	11.5	93.4	0	+∞	Si
215	-264131	2	-368248	14	124.5	531.8	1837	-235977	2	-330230	12.6	93.4	0	+∞	Si
238	-344711	2	-453509	16.3	124.5	558.2	1837	-308866	2	-407799	14.7	93.4	0	+∞	Si
261	-428941	2	-542418	19	124.5	614.8	1837	-385404	2	-489017	17.1	93.4	0	+∞	Si
272	-472424	2	-588242	19.4	124.5	559	1837	-425041	2	-530994	17.5	93.4	0	+∞	Si
295	-562127	2	-666785	20.3	124.5	567.7	1837	-507053	2	-603114	18.4	93.4	0	+∞	Si
320	-666785	2	-666785	19.4	124.5	510.1	1837	-603114	2	-603114	17.5	93.4	0	+∞	Si
340	-752482	2	-708657	20.6	124.5	542.1	1837	-682024	2	-641618	18.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
45	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
68	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
91	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
102	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
125	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
147	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
170	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
193	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.013	1	-0.013	1	9999	Si
215	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.014	1	-0.014	1	9999	Si
238	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.014	1	-0.015	1	9999	Si
261	-0.006	-0.007	-0.005	-0.006	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.013	1	-0.014	1	9999	Si
272	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	1	-0.013	1	9999	Si
295	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	1	-0.01	1	9999	Si
320	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	1	-0.005	1	9999	Si

Campata 10 tra i fili ? - ?, sezione R 40x70, asta 1175

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	11.4	5.4						-816237	LU 11	-767631	-2764523	0.109	Si
18	22.81	5.4	11.4	5.4						-727732	LU 11	-727516	-2764523	0.109	Si
20	22.81	5.4	11.4	5.4						-719891	LU 11	-719891	-2764523	0.109	Si
37	21.24	5.4	11.4	5.4						-642231	LU 11	-719891	-2578950	0.105	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
55	19.51	5.4	10.32	5.4						-559733	LU 11	-691992	-2374650	0.103	Si
73	15.21	5.4	7.6	5.4	-295686	LU 8	8882	963633	0.08	-480239	LU 11	-607736	-1865528	0.096	Si
82	15.21	5.4	7.6	5.4	-270758	LU 8	16337	963633	0.08	-441618	LU 11	-566734	-1865528	0.096	Si
101	15.21	5.4	7.6	5.4	-222635	LU 8	27807	963633	0.08	-366629	LU 11	-486982	-1865528	0.096	Si
119	15.21	5.4	7.6	5.4	-176822	LU 8	34689	963633	0.08	-294643	LU 11	-410234	-1865528	0.096	Si
137	15.21	5.4	7.6	5.4	-133319	LU 8	36983	963633	0.08	-225661	LU 11	-336489	-1865528	0.096	Si
156	15.21	5.4	7.6	5.4	-92127	LU 8	34689	963633	0.08	-159682	LU 11	-265748	-1865528	0.096	Si
174	15.21	5.4	7.6	5.4	-53245	LU 8	27807	963633	0.08	-96707	LU 11	-198010	-1865528	0.096	Si
192	15.21	5.4	11.8	5.4	-14412	LU 1	58282	1461203	0.086	-37187	LU 12	-133276	-1865056	0.092	Si
202	15.21	5.4	13.03	5.4	6383	LU 10	81018	1607497	0.087	-10238	LU 3	-102035	-1864933	0.092	Si
220	15.21	5.4	15.21	5.4	54366	LU 10	129332	1864772	0.091	29110	LU 9	-42183	-1864772	0.091	Si
238	15.21	5.4	15.21	5.4	100055	LU 11	145087	1864772	0.091						Si
255	15.21	5.4	15.21	5.4	145087	LU 11	145087	1864772	0.091						Si
257	15.21	5.4	15.21	5.4	149515	LU 11	149327	1864772	0.091						Si
275	15.21	5.4	15.21	5.4	195972	LU 11	171636	1864772	0.091						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	18.64	0	4954	LU 11	4954	11895	68363	0	11895	1	Si
9	0	15.21	0	4872	LU 11	4872	11113	68363	0	11113	1	Si
18	0	15.21	0	4789	LU 11	4789	11113	68363	0	11113	1	Si
20	0.187	15.21	0	4774	LU 11	4774	11113	68363	21675	21675	1	Si
37	0.187	15.21	0	4624	LU 11	4624	11113	68363	21675	21675	1	Si
55	0.187	15.21	0	4458	LU 11	4458	11113	68363	21675	21675	1	Si
73	0.187	15.21	0	4293	LU 11	4293	11113	68363	21675	21675	1	Si
82	0.187	15.21	0	4210	LU 11	4210	11113	68363	21675	21675	1	Si
101	0.18	15.21	0	4045	LU 11	4045	11113	68363	20885	20885	1	Si
119	0.18	15.21	0	3880	LU 11	3880	11113	68363	20885	20885	1	Si
137	0.18	15.21	0	3714	LU 11	3714	11113	68363	20885	20885	1	Si
156	0.18	15.21	0	3549	LU 11	3549	11113	68363	20885	20885	1	Si
174	0.18	15.21	0	3384	LU 11	3384	11113	68363	20885	20885	1	Si
192	0.172	15.21	0	3218	LU 11	3218	11113	68363	20007	20007	1	Si
202	0.172	15.21	0	3136	LU 11	3136	11113	68363	20007	20007	1	Si
220	0.172	7.6	0	2970	LU 11	2970	8821	68363	20007	20007	1	Si
238	0.172	7.6	0	2805	LU 11	2805	8821	68363	20007	20007	1	Si
255	0.172	11.8	0	2655	LU 11	2655	10212	68363	20007	20007	1	Si
257	0	11.8	0	2640	LU 11	2640	10212	68363	0	10212	1	Si
275	0	14.27	0	2474	LU 11	2474	10880	68363	0	10880	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-617969	2	-580994	16.9	124.5	444.4	1837	-572898	2	-537811	15.6	93.4	0	+∞	Si
18	-550656	2	-550492	16	124.5	421.1	1837	-509078	2	-508924	14.8	93.4	0	+∞	Si
20	-544694	2	-544694	15.8	124.5	416.7	1837	-503434	2	-503434	14.6	93.4	0	+∞	Si
37	-485653	2	-544694	16.2	124.5	446.1	1837	-447568	2	-503434	14.9	93.4	0	+∞	Si
55	-422961	2	-523482	16.2	124.5	465.6	1837	-388368	2	-483351	15	93.4	0	+∞	Si
73	-362579	2	-459437	16.1	124.5	520.7	1837	-331479	2	-422798	14.8	93.4	0	+∞	Si
82	-333255	2	-428280	15	124.5	485.4	1837	-303900	2	-393388	13.8	93.4	0	+∞	Si
101	-276338	2	-367701	12.9	124.5	416.7	1837	-250476	2	-336301	11.8	93.4	0	+∞	Si
119	-221732	2	-309431	10.8	124.5	350.7	1837	-199363	2	-281524	9.8	93.4	0	+∞	Si
137	-169436	2	-253472	8.9	124.5	287.3	1837	-150559	2	-229057	8	93.4	0	+∞	Si
156	-119451	2	-199823	7	124.5	226.5	1837	-104066	2	-178901	6.3	93.4	0	+∞	Si
174	-71776	2	-148485	5.2	124.5	168.3	1837	-59884	2	-131055	4.6	93.4	0	+∞	Si
192	-26713	3	-99457	3.3	124.5	112.1	1837	-18012	2	-85519	2.8	93.4	0	+∞	Si
202	4910	1	62322	2.1	124.5	81.3	1837	4910	1	62322	2.1	93.4	0	+∞	Si
202	-5189	3	-75809	1.8	124.5	85.4	1837								Si
220	41820	1	98964	3.1	124.5	111.2	1837	41820	1	96587	3	93.4	0	+∞	Si
238	76893	2	110835	3.5	124.5	124.5	1837	76561	2	107328	3.4	93.4	0	+∞	Si
255	110835	2	110835	3.5	124.5	124.5	1837	107328	2	107328	3.4	93.4	0	+∞	Si
257	114171	2	114029	3.6	124.5	128.1	1837	110347	2	110216	3.5	93.4	0	+∞	Si
275	149139	2	130834	4.1	124.5	147	1837	141823	2	125405	3.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
20	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
37	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
55	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
73	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.01	1	-0.01	1	9999	Si
82	-0.004	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.01	1	-0.011	1	9999	Si
101	-0.004	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.01	1	-0.011	1	9999	Si
119	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.01	1	-0.011	1	9999	Si
137	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
156	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.009	1	9999	Si
174	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
192	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	1	-0.006	1	9999	Si
202	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
220	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	1	-0.004	1	9999	Si
238	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
255	0	-0.001	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
257	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si

Campata 11 tra i fili ? - 30, sezione R 40x70, asta 1176

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4						-2849	LU 13	-572	-1864772	0.091	Si
2	15.21	5.4	15.21	5.4						-2481	LU 13	-568	-1864772	0.091	Si
3	15.21	5.4	15.21	5.4						-2140	LU 13	-559	-1864772	0.091	Si
5	15.21	5.4	15.21	5.4						-1823	LU 13	-543	-1864772	0.091	Si
7	15.21	5.4	15.21	5.4						-1532	LU 13	-521	-1864772	0.091	Si
8	15.21	5.4	15.21	5.4						-1396	LU 13	-507	-1864772	0.091	Si
9	15.21	5.4	15.21	5.4						-1143	LU 14	-476	-1864772	0.091	Si
11	15.21	5.4	15.21	5.4						-915	LU 12	-437	-1864772	0.091	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
13	15.21	5.4	15.21	5.4						-712	LU 12	-393	-1864772	0.091	Si
14	15.21	5.4	15.21	5.4						-535	LU 12	-342	-1864772	0.091	Si
16	15.21	5.4	15.21	5.4						-383	LU 12	-285	-1864772	0.091	Si
18	15.21	5.4	15.21	5.4						-256	LU 12	-221	-1864772	0.091	Si
19	15.21	5.4	15.21	5.4						-155	LU 12	-151	-1864772	0.091	Si
20	15.21	5.4	15.21	5.4						-115	LU 12	-115	-1864772	0.091	Si
20	15.21	5.4	15.21	5.4						-114	LU 12	-115	-1864772	0.091	Si
21	0	0	0	0						-79	LU 12	-115	0	0	Si
22	0	0	0	0						-51	LU 12	-115	0	0	Si
23	0	0	0	0						-13	LU 12	-115	0	0	Si
25	0	0	0	0						0	LU 12	-115	0	0	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	0	0	228	LU 15	228	7999	68363	0	7999	1	Si
2	0	0	0	213	LU 15	213	7999	68363	0	7999	1	Si
3	0	0	0	197	LU 15	197	7999	68363	0	7999	1	Si
5	0	0	0	182	LU 15	182	7999	68363	0	7999	1	Si
7	0	0	0	167	LU 15	167	7999	68363	0	7999	1	Si
8	0	0	0	159	LU 15	159	7999	68363	0	7999	1	Si
9	0	0	0	144	LU 15	144	7999	68363	0	7999	1	Si
11	0	0	0	129	LU 15	129	7999	68363	0	7999	1	Si
13	0	0	0	114	LU 15	114	7999	68363	0	7999	1	Si
14	0	0	0	99	LU 15	99	7999	68363	0	7999	1	Si
16	0	0	0	83	LU 15	83	7999	68363	0	7999	1	Si
18	0	0	0	68	LU 15	68	7999	68363	0	7999	1	Si
19	0	0	0	53	LU 15	53	7999	68363	0	7999	1	Si
20	0.2	0	0	46	LU 15	46	7999	68363	23245	23245	1	Si
20	0.2	0	0	46	LU 15	46	7999	68363	23245	23245	1	Si
22	0.2	0	0	30	LU 15	30	8486	74078	25188	25188	1	Si
23	0.2	0	0	15	LU 15	15	8486	74078	25188	25188	1	Si
25	0.2	0	0	0	Ger.	0	8486	74078	25188	25188	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-2191	4	-440	0	124.5	0.5	1837	-2191	1	-440	0	93.4	0	+∞	Si
2	-1909	4	-437	0	124.5	0.5	1837	-1909	1	-437	0	93.4	0	+∞	Si
3	-1646	4	-430	0	124.5	0.5	1837	-1646	1	-430	0	93.4	0	+∞	Si
5	-1402	4	-418	0	124.5	0.5	1837	-1402	1	-418	0	93.4	0	+∞	Si
7	-1178	4	-401	0	124.5	0.5	1837	-1178	1	-401	0	93.4	0	+∞	Si
8	-1074	4	-390	0	124.5	0.4	1837	-1074	1	-390	0	93.4	0	+∞	Si
9	-879	5	-366	0	124.5	0.4	1837	-879	2	-366	0	93.4	0	+∞	Si
11	-704	3	-336	0	124.5	0.4	1837	-704	2	-336	0	93.4	0	+∞	Si
13	-548	3	-302	0	124.5	0.3	1837	-548	2	-302	0	93.4	0	+∞	Si
14	-411	3	-263	0	124.5	0.3	1837	-411	2	-263	0	93.4	0	+∞	Si
16	-295	3	-219	0	124.5	0.2	1837	-295	2	-219	0	93.4	0	+∞	Si
18	-197	3	-170	0	124.5	0.2	1837	-197	2	-170	0	93.4	0	+∞	Si
19	-119	3	-116	0	124.5	0.1	1837	-119	2	-116	0	93.4	0	+∞	Si
20	-88	3	-88	0	124.5	0.1	1837	-88	2	-88	0	93.4	0	+∞	Si
20	-88	3	-88	0	124.5	0.1	1837	-88	2	-88	0	93.4	0	+∞	Si
22	-39	3	-88	0	0	0	1837	-39	2	-88	0	0	0	+∞	Si
23	-10	3	-88	0	0	0	1837	-10	2	-88	0	0	0	+∞	Si
25	0	3	-88	0	0	0	1837	0	2	-88	0	0	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
2	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
3	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
5	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
7	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
8	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
9	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
11	0	0	0	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
13	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
14	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
16	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
18	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
19	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
20	0.001	0	0	0	0.001	0	0	0	0	0	0.001	2	0.001	2	9999	Si
20	0.001	0	0	0	0.001	0	0	0	0	0	0.001	2	0.001	2	9999	Si
22	0.001	0	0.001	0	0.001	0	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
23	0.001	0	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
25	0.001	0	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si

Trave a "Piano 2" (2396; 3186)-31

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x60	Rettangolare	30	60	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - ?, sezione R 30x60, asta 1177

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	21823	LU 18	17884	796256	0.099						Si
11	7.6	5.4	7.6	5.4						-22139	LU 18	-22139	-796256	0.099	Si
20	7.6	5.4	7.6	5.4						-58742	LU 18	-160882	-796256	0.099	Si
33	7.6	5.4	7.6	5.4						-112184	LU 18	-216222	-796256	0.099	Si
44	7.6	5.4	7.6	5.4						-158266	LU 18	-263883	-796256	0.099	Si
49	7.6	5.4	7.6	5.4						-181572	LU 18	-287979	-796256	0.099	Si
60	7.6	5.4	7.6	5.4						-228713	LU 18	-336700	-796256	0.099	Si
71	7.6	5.4	7.6	5.4						-276561	LU 18	-386127	-796256	0.099	Si
82	9.28	5.4	7.6	5.4						-325115	LU 18	-436260	-961476	0.104	Si
93	9.79	5.4	7.6	5.4						-374376	LU 18	-487100	-1012572	0.105	Si
104	10.31	5.4	7.6	5.4						-424342	LU 18	-538646	-1063643	0.107	Si
115	10.83	5.4	7.6	5.4						-475016	LU 18	-590899	-1114722	0.109	Si
126	11.35	5.4	7.6	5.4						-526395	LU 18	-638467	-1165729	0.11	Si
132	11.4	5.4	7.6	5.4						-552350	LU 18	-638467	-1171175	0.11	Si
143	11.4	5.4	7.6	5.4						-604789	LU 18	-638467	-1171175	0.11	Si
150	11.4	5.4	7.6	5.4						-638467	LU 18	-638467	-1171175	0.11	Si
154	11.4	5.4	7.6	5.4						-657934	LU 18	-655305	-1171175	0.11	Si
165	11.4	5.4	7.6	5.4						-711786	LU 18	-674806	-1171175	0.11	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-3969	LU 18	-3969	-6713	-43335	0	-6713	1	Si
11	0	7.6	0	-4033	LU 18	-4033	-6713	-43335	0	-6713	1	Si
20	0.093	7.6	0	-4086	LU 18	-4086	-6713	-43335	-9118	-9118	1	Si
33	0.093	7.6	0	-4162	LU 18	-4162	-6713	-43335	-9118	-9118	1	Si
44	0.093	7.6	0	-4226	LU 18	-4226	-6713	-43335	-9118	-9118	1	Si
49	0.093	7.6	0	-4258	LU 18	-4258	-6713	-43335	-9118	-9118	1	Si
60	0.093	7.6	0	-4322	LU 18	-4322	-6713	-43335	-9118	-9118	1	Si
71	0.093	7.6	0	-4387	LU 18	-4387	-6713	-43335	-9118	-9118	1	Si
82	0.093	7.6	0	-4451	LU 18	-4451	-6713	-43335	-9118	-9118	1	Si
93	0.093	7.6	0	-4515	LU 18	-4515	-6713	-43335	-9118	-9118	1	Si
104	0.093	7.6	0	-4579	LU 18	-4579	-6713	-43335	-9118	-9118	1	Si
115	0.093	7.6	0	-4644	LU 18	-4644	-6713	-43335	-9118	-9118	1	Si
126	0.093	7.6	0	-4708	LU 18	-4708	-6713	-43335	-9118	-9118	1	Si
132	0.093	7.6	0	-4740	LU 18	-4740	-6713	-43335	-9118	-9118	1	Si
143	0.093	9.54	0	-4804	LU 18	-4804	-7240	-43335	-9118	-9118	1	Si
150	0.093	9.79	0	-4845	LU 18	-4845	-7305	-43335	-9118	-9118	1	Si
154	0	10.05	0	-4869	LU 18	-4869	-7368	-43335	0	-7368	1	Si
165	0	10.57	0	-4933	LU 18	-4933	-7493	-43335	0	-7493	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	16497	9	13610	0.9	124.5	36.2	1837	14611	2	12751	0.9	93.4	0	+∞	Si
11	-16840	9	-16840	1.1	124.5	44.8	1837	-15710	2	-15710	1.1	93.4	0	+∞	Si
20	-44602	9	-122097	8.2	124.5	324.5	1837	-40998	2	-111749	7.5	93.4	0	+∞	Si
33	-85145	9	-164099	11.1	124.5	436.2	1837	-77982	2	-150192	10.1	93.4	0	+∞	Si
44	-120112	9	-200281	13.5	124.5	531.8	1837	-109932	2	-183358	11.8	93.4	0	+∞	Si
49	-137799	9	-218576	14.8	124.5	581	1837	-126112	2	-200144	13.5	93.4	0	+∞	Si
60	-173581	9	-255573	17.3	124.5	679.3	1837	-158877	2	-234125	15.8	93.4	0	+∞	Si
71	-209907	9	-293114	19.8	124.5	779.1	1837	-192187	2	-268649	18.1	93.4	0	+∞	Si
82	-246776	9	-331198	20.9	124.5	726.5	1837	-226039	2	-303716	19.1	93.4	0	+∞	Si
93	-284188	9	-369825	22.9	124.5	769.9	1837	-260435	2	-339327	21	93.4	0	+∞	Si
104	-322143	9	-408995	24.8	124.5	810.3	1837	-295374	2	-375481	22.8	93.4	0	+∞	Si
115	-360642	9	-448709	26.8	124.5	848.1	1837	-330857	2	-412179	24.6	93.4	0	+∞	Si
126	-399685	9	-484868	28.5	124.5	876.3	1837	-366883	2	-445626	26.2	93.4	0	+∞	Si
132	-419409	9	-484868	28.5	124.5	872.2	1837	-385099	2	-445626	26.2	93.4	0	+∞	Si
143	-459267	9	-484868	28.5	124.5	872.2	1837	-421940	2	-445626	26.2	93.4	0	+∞	Si
150	-484868	9	-484868	28.5	124.5	872.2	1837	-445626	2	-445626	26.2	93.4	0	+∞	Si
154	-499667	9	-497669	29.2	124.5	895.2	1837	-459324	2	-457473	26.9	93.4	0	+∞	Si
165	-540611	9	-512493	30.1	124.5	921.9	1837	-497252	2	-471193	27.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
11	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
20	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
33	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
44	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
49	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.008	1	-0.008	1	9999	Si
60	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
71	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.01	1	-0.01	1	9999	Si
82	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.004	-0.005	-0.011	1	-0.011	1	9999	Si
93	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
104	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
115	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.004	-0.005	-0.01	1	-0.01	1	9999	Si
126	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
132	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
143	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
150	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
154	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si

Campata 2 tra i fili ? - ?, sezione R 30x60, asta 1178

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	7.6	5.4						-592054	LU 18	-573730	-1171175	0.11	Si
15	11.4	5.4	7.6	5.4						-556004	LU 18	-556004	-1171175	0.11	Si
19	11.4	5.4	7.6	5.4						-547316	LU 18	-556004	-1171175	0.11	Si
37	11.4	5.4	7.6	5.4						-504617	LU 18	-556004	-1170959	0.11	Si
56	10.52	5.4	7.6	5.4						-463955	LU 18	-517959	-1084241	0.108	Si
75	9.64	5.4	7.6	5.4	-295032	LU 1	6948	796256	0.099	-425333	LU 18	-476653	-997505	0.105	Si
84	9.2	5.4	7.6	5.4	-281990	LU 1	11917	796256	0.099	-406786	LU 18	-456765	-954108	0.104	Si
93	7.6	5.4	7.6	5.4	-269340	LU 1	16121	796256	0.099	-388749	LU 18	-437386	-796256	0.099	Si
103	7.6	5.4	7.6	5.4	-257083	LU 1	19561	796256	0.099	-371221	LU 18	-418517	-796256	0.099	Si
121	7.6	5.4	7.6	5.4	-233743	LU 1	24147	796256	0.099	-337694	LU 18	-382307	-796256	0.099	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
140	7.6	5.4	7.6	5.4	-211972	LU 1	25676	796256	0.099	-306206	LU 18	-348136	-796256	0.099	Si
159	7.6	5.4	7.6	5.4	-191769	LU 1	24147	796256	0.099	-276756	LU 18	-316003	-796256	0.099	Si
177	7.6	5.4	7.6	5.4	-173134	LU 1	19561	796256	0.099	-249345	LU 18	-285908	-796256	0.099	Si
196	7.6	5.4	7.6	5.4	-156067	LU 1	11917	796256	0.099	-223972	LU 18	-257852	-796256	0.099	Si
215	7.6	5.4	7.6	5.4	-140567	LU 1	1215	796256	0.099	-200637	LU 18	-231835	-796256	0.099	Si
224	7.6	5.4	7.6	5.4						-189734	LU 18	-219590	-796256	0.099	Si
243	7.6	5.4	7.6	5.4						-169457	LU 18	-196630	-796256	0.099	Si
261	7.6	5.4	7.6	5.4						-151218	LU 18	-175708	-796256	0.099	Si
265	7.6	5.4	7.6	5.4						-147936	LU 18	-171826	-796256	0.099	Si
280	7.6	5.4	7.6	5.4						-135018	LU 18	-135018	-796256	0.099	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.52	0	2451	LU 18	2451	7481	43335	0	7481	1	Si
15	0.048	10.08	0	2364	LU 18	2364	7375	43335	4735	7375	1	Si
19	0.048	9.64	0	2342	LU 18	2342	7266	43335	4735	7266	1	Si
37	0.048	7.6	0	2233	LU 18	2233	6713	43335	4735	6713	1	Si
56	0.048	7.6	0	2124	LU 18	2124	6713	43335	4735	6713	1	Si
75	0.048	7.6	0	2014	LU 18	2014	6713	43335	4735	6713	1	Si
84	0.048	7.6	0	1960	LU 18	1960	6713	43335	4735	6713	1	Si
103	0.048	7.6	0	1851	LU 18	1851	6713	43335	4735	6713	1	Si
121	0.048	7.6	0	1741	LU 18	1741	6713	43335	4735	6713	1	Si
140	0.048	7.6	0	1632	LU 18	1632	6713	43335	4735	6713	1	Si
159	0.048	7.6	0	1523	LU 18	1523	6713	43335	4735	6713	1	Si
177	0.048	7.6	0	1414	LU 18	1414	6713	43335	4735	6713	1	Si
196	0.048	7.6	0	1305	LU 18	1305	6713	43335	4735	6713	1	Si
215	0.048	7.6	0	1195	LU 18	1195	6713	43335	4735	6713	1	Si
224	0.048	7.6	0	1141	LU 18	1141	6713	43335	4735	6713	1	Si
243	0.048	7.6	0	1032	LU 18	1032	6713	43335	4735	6713	1	Si
261	0.048	7.6	0	922	LU 18	922	6713	43335	4735	6713	1	Si
265	0.048	7.6	0	901	LU 18	901	6713	43335	4735	6713	1	Si
280	0	7.6	0	813	LU 18	813	6713	43335	0	6713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-449833	9	-435869	25.6	124.5	784	1837	-415225	2	-402089	23.6	93.4	0	+∞	Si
15	-422364	9	-422364	24.8	124.5	759.8	1837	-389412	2	-389412	22.9	93.4	0	+∞	Si
19	-415746	9	-422364	24.8	124.5	759.8	1837	-383198	2	-389412	22.9	93.4	0	+∞	Si
37	-383227	9	-422364	24.8	124.5	759.9	1837	-352738	2	-389412	22.9	93.4	0	+∞	Si
56	-352276	9	-393387	23.7	124.5	764.5	1837	-323846	2	-362247	21.9	93.4	0	+∞	Si
75	-322893	9	-361940	22.5	124.5	765	1837	-296522	2	-332859	20.7	93.4	0	+∞	Si
84	-308789	9	-346805	21.9	124.5	766.7	1837	-283448	2	-318753	20.1	93.4	0	+∞	Si
103	-281758	9	-317710	21.5	124.5	844.5	1837	-258477	2	-291718	19.7	93.4	0	+∞	Si
121	-256295	9	-290183	19.6	124.5	771.3	1837	-235073	2	-266250	18	93.4	0	+∞	Si
140	-232400	9	-264224	17.8	124.5	702.3	1837	-213237	2	-242350	16.4	93.4	0	+∞	Si
159	-210073	9	-239833	16.2	124.5	637.5	1837	-192970	2	-220019	14.9	93.4	0	+∞	Si
177	-189314	9	-217010	14.7	124.5	576.8	1837	-174270	2	-199255	13.5	93.4	0	+∞	Si
196	-170123	9	-195755	13.2	124.5	520.3	1837	-157138	2	-180060	12.2	93.4	0	+∞	Si
215	-152500	9	-176068	11.9	124.5	468	1837	-141574	2	-162432	11	93.4	0	+∞	Si
224	-144277	9	-166813	11.3	124.5	443.4	1837	-134380	2	-154206	10.4	93.4	0	+∞	Si
243	-129006	9	-149478	10.1	124.5	397.3	1837	-121169	2	-138931	9.4	93.4	0	+∞	Si
261	-115303	9	-133711	9	124.5	355.4	1837	-109525	2	-125223	8.5	93.4	0	+∞	Si
265	-112842	9	-130789	8.8	124.5	347.6	1837	-107469	2	-122705	8.3	93.4	0	+∞	Si
280	-103168	9	-103168	7	124.5	274.2	1837	-99449	2	-99449	6.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
19	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
37	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.016	1	-0.016	1	9999	Si
56	-0.01	-0.011	-0.009	-0.01	-0.01	-0.01	-0.009	-0.009	-0.01	-0.01	-0.022	1	-0.022	1	9999	Si
75	-0.012	-0.013	-0.011	-0.012	-0.012	-0.012	-0.011	-0.011	-0.012	-0.012	-0.026	1	-0.026	1	9999	Si
84	-0.013	-0.014	-0.011	-0.012	-0.013	-0.013	-0.011	-0.011	-0.013	-0.013	-0.027	1	-0.028	1	9999	Si
103	-0.013	-0.015	-0.012	-0.013	-0.013	-0.014	-0.012	-0.012	-0.013	-0.013	-0.029	1	-0.03	1	9499	Si
121	-0.014	-0.015	-0.012	-0.014	-0.014	-0.014	-0.012	-0.013	-0.014	-0.014	-0.03	1	-0.03	1	9257	Si
140	-0.013	-0.015	-0.012	-0.013	-0.013	-0.014	-0.012	-0.012	-0.013	-0.014	-0.03	1	-0.03	1	9373	Si
159	-0.013	-0.014	-0.012	-0.013	-0.013	-0.013	-0.012	-0.012	-0.013	-0.013	-0.028	1	-0.029	1	9839	Si
177	-0.012	-0.013	-0.011	-0.012	-0.012	-0.012	-0.011	-0.011	-0.012	-0.012	-0.026	1	-0.026	1	9999	Si
196	-0.01	-0.011	-0.009	-0.01	-0.01	-0.01	-0.009	-0.009	-0.01	-0.01	-0.023	1	-0.023	1	9999	Si
215	-0.008	-0.009	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.008	-0.009	-0.019	1	-0.019	1	9999	Si
224	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.017	1	-0.017	1	9999	Si
243	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.012	1	9999	Si
261	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
265	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si

Campata 3 tra i fili ? - 31, sezione R 30x60, asta 1179

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-105620	LU 10	-97310	-796256	0.099	Si
13	7.6	5.4	7.6	5.4						-92007	LU 10	-91833	-796256	0.099	Si
15	7.6	5.4	7.6	5.4						-89631	LU 10	-89631	-796256	0.099	Si
25	7.6	5.4	7.6	5.4						-79332	LU 10	-89631	-796256	0.099	Si
38	7.6	5.4	7.6	5.4						-67597	LU 10	-89631	-796256	0.099	Si
51	7.6	5.4	7.6	5.4						-56800	LU 10	-78608	-796256	0.099	Si
57	7.6	5.4	7.6	5.4						-51754	LU 10	-72651	-796256	0.099	Si
70	7.6	5.4	7.6	5.4						-42365	LU 10	-61442	-796256	0.099	Si
82	7.6	5.4	7.6	5.4						-33916	LU 10	-51171	-796256	0.099	Si
95	7.6	5.4	7.6	5.4						-26405	LU 10	-41840	-796256	0.099	Si
108	7.6	5.4	7.6	5.4						-19833	LU 10	-33447	-796256	0.099	Si
120	7.6	5.4	7.6	5.4						-14200	LU 10	-25993	-796256	0.099	Si
133	7.6	5.4	7.6	5.4						-9506	LU 10	-19478	-796256	0.099	Si
139	7.6	5.4	7.6	5.4						-7511	LU 10	-16573	-796256	0.099	Si
152	7.6	5.4	7.6	5.4						-4225	LU 10	-11466	-796256	0.099	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
165	7.6	5.4	7.6	5.4						-1878	LU 10	-7298	-796256	0.099	Si
177	7.6	5.4	7.6	5.4	-361	LU 3	0	796256	0.099	-469	LU 10	-4069	-796256	0.099	Si
190	0	0	0	0	0	LU 12	0	0	0	0	LU 1	-1778	0	0	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1112	LU 10	1112	6713	43335	0	6713	1	Si
13	0	7.6	0	1038	LU 10	1038	6713	43335	0	6713	1	Si
15	0.046	7.6	0	1024	LU 10	1024	6713	43335	4509	6713	1	Si
25	0.046	7.6	0	963	LU 10	963	6713	43335	4509	6713	1	Si
38	0.046	7.6	0	889	LU 10	889	6713	43335	4509	6713	1	Si
51	0.046	7.6	0	815	LU 10	815	6713	43335	4509	6713	1	Si
57	0.046	7.6	0	778	LU 10	778	6713	43335	4509	6713	1	Si
70	0.046	7.6	0	704	LU 10	704	6713	43335	4509	6713	1	Si
82	0.046	7.6	0	630	LU 10	630	6713	43335	4509	6713	1	Si
95	0.046	7.6	0	556	LU 10	556	6713	43335	4509	6713	1	Si
108	0.046	7.6	0	482	LU 10	482	6713	43335	4509	6713	1	Si
120	0.046	7.6	0	408	LU 10	408	6713	43335	4509	6713	1	Si
133	0.046	0	0	333	LU 10	333	5311	43335	4509	5311	1	Si
139	0.046	0	0	296	LU 10	296	5311	43335	4509	5311	1	Si
152	0.046	0	0	222	LU 10	222	5311	43335	4509	5311	1	Si
165	0.046	0	0	148	LU 10	148	5311	43335	4509	5311	1	Si
177	0.046	0	0	74	LU 10	74	5311	43335	4509	5311	1	Si
190	0.046	0	0	0	Ger.	0	5685	47621	4955	5685	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-81246	1	-74854	5.1	124.5	199	1837	-81246	1	-74854	5.1	93.4	0	+∞	Si
13	-70774	1	-70640	4.8	124.5	187.8	1837	-70774	1	-70640	4.8	93.4	0	+∞	Si
15	-68947	1	-68947	4.7	124.5	183.3	1837	-68947	1	-68947	4.7	93.4	0	+∞	Si
25	-61025	1	-68947	4.7	124.5	183.3	1837	-61025	1	-68947	4.7	93.4	0	+∞	Si
38	-51997	1	-68947	4.7	124.5	183.3	1837	-51997	1	-68947	4.7	93.4	0	+∞	Si
51	-43692	1	-60468	4.1	124.5	160.7	1837	-43692	1	-60468	4.1	93.4	0	+∞	Si
57	-39811	1	-55886	3.8	124.5	148.5	1837	-39811	1	-55886	3.8	93.4	0	+∞	Si
70	-32589	1	-47263	3.2	124.5	125.6	1837	-32589	1	-47263	3.2	93.4	0	+∞	Si
82	-26089	1	-39363	2.7	124.5	104.6	1837	-26089	1	-39363	2.7	93.4	0	+∞	Si
95	-20312	1	-32184	2.2	124.5	85.5	1837	-20312	1	-32184	2.2	93.4	0	+∞	Si
108	-15256	1	-25728	1.7	124.5	68.4	1837	-15256	1	-25728	1.7	93.4	0	+∞	Si
120	-10923	1	-19995	1.4	124.5	53.1	1837	-10923	1	-19995	1.4	93.4	0	+∞	Si
133	-7312	1	-14983	1	124.5	39.8	1837	-7312	1	-14983	1	93.4	0	+∞	Si
139	-5777	1	-12748	0.9	124.5	33.9	1837	-5777	1	-12748	0.9	93.4	0	+∞	Si
152	-3250	1	-8820	0.6	124.5	23.4	1837	-3250	1	-8820	0.6	93.4	0	+∞	Si
165	-1444	1	-5614	0.4	124.5	14.9	1837	-1444	1	-5614	0.4	93.4	0	+∞	Si
177	-361	1	-3130	0.2	124.5	8.3	1837	-361	1	-3130	0.2	93.4	0	+∞	Si
190	0	3	0	0	0	0	1837	0	2	0	0	0	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
13	-0.001	-0.001	0.002	0.002	-0.001	-0.001	0.002	0.002	-0.001	-0.001	0.004	1	0.004	1	9999	Si
15	-0.001	-0.001	0.002	0.002	-0.001	-0.001	0.002	0.002	-0.001	-0.001	0.005	1	0.005	1	9999	Si
25	-0.001	-0.001	0.004	0.004	-0.001	-0.001	0.004	0.004	-0.001	-0.001	0.009	1	0.009	1	9999	Si
38	-0.002	-0.002	0.006	0.006	-0.002	-0.002	0.006	0.006	-0.002	-0.002	0.014	1	0.014	1	9999	Si
51	-0.002	-0.002	0.008	0.008	-0.002	-0.002	0.008	0.008	-0.002	-0.002	0.019	1	0.018	1	9999	Si
57	-0.002	-0.003	0.009	0.009	-0.002	-0.002	0.009	0.009	-0.002	-0.002	0.021	1	0.021	1	9999	Si
70	-0.003	-0.003	0.011	0.011	-0.003	-0.003	0.011	0.011	-0.003	-0.003	0.026	1	0.026	1	9999	Si
82	-0.003	-0.004	0.014	0.013	-0.003	-0.003	0.013	0.013	-0.003	-0.003	0.031	1	0.031	1	9999	Si
95	-0.004	-0.004	0.016	0.015	-0.004	-0.004	0.015	0.015	-0.004	-0.004	0.036	1	0.036	1	9999	Si
108	-0.004	-0.004	0.018	0.017	-0.004	-0.004	0.017	0.017	-0.004	-0.004	0.041	1	0.041	1	9181	Si
120	-0.004	-0.005	0.02	0.019	-0.004	-0.004	0.019	0.019	-0.004	-0.004	0.047	1	0.046	1	8156	Si
133	-0.005	-0.005	0.023	0.021	-0.005	-0.005	0.021	0.021	-0.005	-0.005	0.052	1	0.052	1	7333	Si
139	-0.005	-0.005	0.024	0.022	-0.005	-0.005	0.022	0.022	-0.005	-0.005	0.054	1	0.054	1	6980	Si
152	-0.005	-0.006	0.026	0.024	-0.005	-0.005	0.024	0.024	-0.005	-0.005	0.06	1	0.059	1	6367	Si
165	-0.005	-0.006	0.028	0.026	-0.005	-0.005	0.027	0.026	-0.005	-0.005	0.065	1	0.065	1	5851	Si
177	-0.006	-0.007	0.031	0.028	-0.006	-0.006	0.029	0.028	-0.006	-0.006	0.07	1	0.07	1	5413	Si
190	-0.006	-0.007	0.033	0.031	-0.006	-0.006	0.031	0.031	-0.006	-0.006	0.075	1	0.075	1	5036	Si

Trave a "Piano 2" (2689; 4271)-25

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - 15, sezione R 40x70, asta 1213

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	0	0	0	0	0	LU 12	0	0	0	0	LU 6	-114	0	0	Si
2	0	0	0	0	-10	LU 3	0	0	0	-13	LU 15	-114	0	0	Si
3	0	0	0	0	-39	LU 3	0	0	0	-51	LU 15	-114	0	0	Si
5	7.6	5.4	7.6	5.4	-87	LU 3	0	962923	0.078	-114	LU 15	-114	-962923	0.078	Si
7	7.6	5.4	7.6	5.4						-202	LU 15	-186	-962923	0.078	Si
7	7.6	5.4	7.6	5.4						-256	LU 15	-220	-962923	0.078	Si
9	7.6	5.4	7.6	5.4						-382	LU 15	-284	-962923	0.078	Si
11	7.6	5.4	7.6	5.4						-534	LU 15	-340	-962923	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
12	7.6	5.4	7.6	5.4						-711	LU 15	-391	-962923	0.078	Si
14	7.6	5.4	7.6	5.4						-913	LU 15	-435	-962923	0.078	Si
16	7.6	5.4	7.6	5.4						-1141	LU 15	-473	-962923	0.078	Si
17	7.6	5.4	7.6	5.4						-1393	LU 10	-505	-962923	0.078	Si
19	7.6	5.4	7.6	5.4						-1671	LU 10	-530	-962923	0.078	Si
20	7.6	5.4	7.6	5.4						-1820	LU 10	-540	-962923	0.078	Si
22	7.6	5.4	7.6	5.4						-2136	LU 10	-556	-962923	0.078	Si
23	7.6	5.4	7.6	5.4						-2477	LU 10	-566	-962923	0.078	Si
25	7.6	5.4	7.6	5.4						-2846	LU 15	-569	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0.201	0	0	0	Ger.	0	8486	74078	25293	25293	1	Si
2	0.201	0	0	-15	LU 10	-15	-8486	-74078	-25293	-25293	1	Si
3	0.201	0	0	-30	LU 10	-30	-8486	-74078	-25293	-25293	1	Si
5	0.201	0	0	-45	LU 10	-45	-7999	-68363	-23342	-23342	1	Si
7	0	0	0	-61	LU 10	-61	-7999	-68363	0	-7999	1	Si
7	0	0	0	-68	LU 10	-68	-7999	-68363	0	-7999	1	Si
9	0	0	0	-83	LU 10	-83	-7999	-68363	0	-7999	1	Si
11	0	0	0	-99	LU 10	-99	-7999	-68363	0	-7999	1	Si
12	0	0	0	-114	LU 10	-114	-7999	-68363	0	-7999	1	Si
14	0	0	0	-129	LU 10	-129	-7999	-68363	0	-7999	1	Si
16	0	0	0	-144	LU 10	-144	-7999	-68363	0	-7999	1	Si
17	0	0	0	-159	LU 10	-159	-7999	-68363	0	-7999	1	Si
19	0	0	0	-174	LU 10	-174	-7999	-68363	0	-7999	1	Si
20	0	0	0	-182	LU 10	-182	-7999	-68363	0	-7999	1	Si
22	0	0	0	-197	LU 10	-197	-7999	-68363	0	-7999	1	Si
23	0	0	0	-212	LU 10	-212	-7999	-68363	0	-7999	1	Si
25	0	0	0	-231	LU 15	-231	-7999	-68363	0	-7999	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	0	3	0	0	0	0	1837	0	2	0	0	0	0	+∞	Si
2	-10	6	-87	0	0	0	1837	-10	1	-87	0	0	0	+∞	Si
3	-39	6	-87	0	0	0	1837	-39	1	-87	0	0	0	+∞	Si
5	-87	6	-87	0	124.5	0	1837	-87	1	-87	0	93.4	0	+∞	Si
7	-156	6	-143	0	124.5	0.1	1837	-156	1	-143	0	93.4	0	+∞	Si
7	-197	6	-170	0	124.5	0.1	1837	-197	1	-170	0	93.4	0	+∞	Si
9	-294	6	-218	0	124.5	0.1	1837	-294	1	-218	0	93.4	0	+∞	Si
11	-411	6	-262	0	124.5	0.1	1837	-411	1	-262	0	93.4	0	+∞	Si
12	-547	6	-301	0	124.5	0.1	1837	-547	1	-301	0	93.4	0	+∞	Si
14	-702	6	-335	0	124.5	0.1	1837	-702	1	-335	0	93.4	0	+∞	Si
16	-877	6	-364	0	124.5	0.1	1837	-877	1	-364	0	93.4	0	+∞	Si
17	-1072	1	-388	0	124.5	0.2	1837	-1072	1	-388	0	93.4	0	+∞	Si
19	-1286	1	-408	0	124.5	0.2	1837	-1286	1	-408	0	93.4	0	+∞	Si
20	-1400	1	-416	0	124.5	0.2	1837	-1400	1	-416	0	93.4	0	+∞	Si
22	-1643	1	-428	0	124.5	0.2	1837	-1643	1	-428	0	93.4	0	+∞	Si
23	-1906	1	-435	0	124.5	0.2	1837	-1906	1	-435	0	93.4	0	+∞	Si
25	-2189	6	-437	0	124.5	0.2	1837	-2188	1	-437	0	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
2	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
3	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
5	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
7	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
7	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
9	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
11	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
12	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
14	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
16	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
17	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
19	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
22	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
23	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Campata 2 tra i fili 15 - 16, sezione R 40x70, asta 1214

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-95413	LU 17	-77158	-962923	0.078	Si
20	7.6	5.4	7.6	5.4						-61549	LU 17	-61549	-962923	0.078	Si
20	7.6	5.4	7.6	5.4						-61312	LU 18	-61312	-962923	0.078	Si
40	7.6	5.4	7.6	5.4	-20860	LU 1	5335	962923	0.078	-37948	LU 14	-61312	-962923	0.078	Si
60	7.6	5.4	7.6	5.4	-2600	LU 6	22013	962923	0.078	-23060	LU 14	-47374	-962923	0.078	Si
69	7.6	5.4	7.6	5.4	5919	LU 6	28827	962923	0.078	-17775	LU 12	-37407	-962923	0.078	Si
89	7.6	5.4	7.6	5.4	22556	LU 15	38911	962923	0.078	-12673	LU 3	-22642	-962923	0.078	Si
109	7.6	5.4	7.6	5.4	34840	LU 15	44272	962923	0.078	-10695	LU 3	-14556	-962923	0.078	Si
129	7.6	5.4	7.6	5.4	42401	LU 15	54250	962923	0.078	-11471	LU 3	-17605	-962923	0.078	Si
149	7.6	5.4	7.6	5.4	45238	LU 15	57793	962923	0.078	-15000	LU 3	-25170	-962923	0.078	Si
169	7.6	5.4	7.6	5.4	43351	LU 15	54250	962923	0.078	-21283	LU 3	-35489	-962923	0.078	Si
188	7.6	5.4	7.6	5.4	36742	LU 15	44780	962923	0.078	-30319	LU 3	-48561	-962923	0.078	Si
208	9.19	5.4	7.6	5.4	25408	LU 15	40370	963150	0.079	-42109	LU 3	-66382	-1151630	0.081	Si
218	9.66	5.4	7.6	5.4	17970	LU 15	36393	963206	0.079	-49036	LU 3	-77275	-1207173	0.082	Si
238	10.59	5.4	9.53	5.4	1667	LU 6	24898	1191840	0.082	-67072	LU 12	-101876	-1318179	0.084	Si
258	11.4	5.4	10.86	5.4	-17346	LU 6	9161	1350293	0.085	-89875	LU 12	-116330	-1414420	0.086	Si
278	11.4	5.4	11.4	5.4						-116330	LU 11	-116330	-1414397	0.086	Si
278	11.4	5.4	11.4	5.4						-116562	LU 11	-116562	-1414397	0.086	Si
298	11.4	5.4	11.4	5.4						-146848	LU 11	-130683	-1414397	0.086	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1826	LU 17	1826	8821	68363	0	8821	1	Si
20	0	7.6	0	1588	LU 17	1588	8821	68363	0	8821	1	Si
20	0.062	7.6	0	1586	LU 17	1586	8821	68363	7252	8821	1	Si
40	0.062	7.6	0	1350	LU 17	1350	8821	68363	7252	8821	1	Si
60	0.062	7.6	0	1112	LU 17	1112	8821	68363	7252	8821	1	Si
69	0.062	7.6	0	993	LU 17	993	8821	68363	7252	8821	1	Si
89	0.062	7.6	0	755	LU 17	755	8821	68363	7252	8821	1	Si
109	0.062	7.6	0	517	LU 17	517	8821	68363	7252	8821	1	Si
129	0.062	7.6	0	278	LU 17	278	8821	68363	7252	8821	1	Si
129	0.062	7.6	0	-125	LU 2	-125	-8821	-68363	-7252	-8821	1	Si
149	0.062	7.6	0	40	LU 17	40	8821	68363	7252	8821	1	Si
149	0.062	7.6	0	-264	LU 2	-264	-8821	-68363	-7252	-8821	1	Si
169	0.062	7.6	0	-444	LU 11	-444	-8821	-68363	-7252	-8821	1	Si
188	0.062	7.6	0	-637	LU 16	-637	-8821	-68363	-7252	-8821	1	Si
208	0.062	7.6	0	-875	LU 16	-875	-8821	-68363	-7252	-8821	1	Si
218	0.062	7.6	0	-994	LU 16	-994	-8821	-68363	-7252	-8821	1	Si
238	0.062	7.6	0	-1233	LU 16	-1233	-8821	-68363	-7252	-8821	1	Si
258	0.062	7.6	0	-1471	LU 16	-1471	-8821	-68363	-7252	-8821	1	Si
278	0.062	9.19	0	-1707	LU 16	-1707	-9396	-68363	-7252	-9396	1	Si
278	0	9.19	0	-1709	LU 16	-1709	-9396	-68363	0	-9396	1	Si
298	0	10.13	0	-1945	LU 16	-1945	-9704	-68363	0	-9704	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-71164	8	-57606	1.5	124.5	22.5	1837	-56664	1	-46255	2.1	93.4	0	+∞	Si
20	-46018	8	-46018	1.2	124.5	18	1837	-37385	1	-37385	1.7	93.4	0	+∞	Si
20	-45840	9	-45840	1.2	124.5	17.9	1837	-37245	2	-37245	1.7	93.4	0	+∞	Si
40	-28080	5	-45840	1.2	124.5	17.9	1837	-21903	2	-37245	1.7	93.4	0	+∞	Si
60	-16319	5	-35347	0.9	124.5	13.8	1837	-9178	2	-28791	1.3	93.4	0	+∞	Si
69	3534	6	20809	0.5	124.5	8.1	1837								Si
69	-12015	3	-27653	0.7	124.5	10.8	1837	-3849	2	-21443	1	93.4	0	+∞	Si
89	16158	6	28279	0.7	124.5	11.1	1837	8406	1	17539	0.8	93.4	0	+∞	Si
89	-5647	3	-15986	0.4	124.5	6.2	1837								Si
109	25266	6	32233	0.8	124.5	12.6	1837	15294	1	20391	0.9	93.4	0	+∞	Si
109	-2032	3	-8292	0.2	124.5	3.2	1837								Si
129	30858	6	32933	0.9	124.5	12.9	1837	19428	1	20808	0.9	93.4	0	+∞	Si
129	-1171	3	-4907	0.1	124.5	1.9	1837								Si
149	32933	6	32933	0.9	124.5	12.9	1837	20808	1	20808	0.9	93.4	0	+∞	Si
149	-3064	3	-10836	0.3	124.5	4.2	1837								Si
169	31492	6	32933	0.9	124.5	12.9	1837	19435	1	20808	0.9	93.4	0	+∞	Si
169	-7710	3	-19517	0.5	124.5	7.6	1837								Si
188	26536	6	32573	0.8	124.5	12.7	1837	15309	1	20395	0.9	93.4	0	+∞	Si
188	-15110	3	-30953	0.8	124.5	12.1	1837								Si
208	18063	6	29253	0.7	124.5	11.3	1837	8429	1	17551	0.8	93.4	0	+∞	Si
208	-25263	3	-45142	1.9	124.5	83.1	1837	-1512	2	-18128	0.8	93.4	0	+∞	Si
218	12508	6	26275	0.7	124.5	10.2	1837	3957	1	15097	0.7	93.4	0	+∞	Si
218	-31372	3	-53269	2.2	124.5	93.4	1837	-6508	2	-25142	1	93.4	0	+∞	Si
238	-45655	3	-71676	2.8	124.5	114.8	1837	-18565	2	-41235	1.6	93.4	0	+∞	Si
258	-62692	3	-82512	3	124.5	122.9	1837	-33376	2	-50787	1.9	93.4	0	+∞	Si
278	-82512	2	-82512	3	124.5	122.8	1837	-50787	2	-50787	1.9	93.4	0	+∞	Si
278	-82686	2	-82686	3	124.5	123.1	1837	-50940	2	-50940	1.9	93.4	0	+∞	Si
298	-105446	2	-93282	3.4	124.5	138.9	1837	-71258	2	-60325	2.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
20	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
40	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
60	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
69	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
89	0.001	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
109	0.001	0	0	0	0	0	0	0	0	0	0.001	1	0	1	9999	Si
129	0.001	0	0	0	0	0	0	0	0	0	0.001	1	0	1	9999	Si
149	0.001	0	0.001	0	0	0	0	0	0	0	0.001	1	0	1	9999	Si
169	0.001	0	0	-0.001	0	0	0	0	0	0	0.001	1	0	1	9999	Si
188	0.001	0	0	-0.001	0	0	0	0	0	0	0.001	1	0	1	9999	Si
208	0.001	0	0	-0.001	0	0	0	0	0	0	0	1	0	1	9999	Si
218	0.001	0	0	-0.001	0	0	0	0	0	0	0	1	0	1	9999	Si
238	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
258	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
278	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
278	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Campata 3 tra i fili 16 - 17, sezione R 40x70, asta 1215

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4						-188946	LU 12	-146737	-1414397	0.086	Si
19	11.4	5.4	11.4	5.4						-109653	LU 12	-109613	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4	-21705	LU 1	64538	1414397	0.086	-106315	LU 12	-106315	-1414397	0.086	Si
38	11.4	5.4	11.4	5.4	31216	LU 10	120617	1414397	0.086	-40906	LU 3	-106315	-1414397	0.086	Si
57	10.69	5.4	11.02	5.4	90045	LU 10	178716	1368843	0.085	18125	LU 3	-72542	-1329345	0.084	Si
77	9.78	5.4	9.73	5.4	149234	LU 15	233527	1215706	0.083	74584	LU 3	-12066	-1222143	0.083	Si
86	9.33	5.4	7.6	5.4	177797	LU 15	259400	963167	0.079						Si
105	7.6	5.4	7.6	5.4	232662	LU 17	309351	962923	0.078						Si
125	7.6	5.4	7.6	5.4	283436	LU 17	362785	962923	0.078						Si
144	7.6	5.4	7.6	5.4	335713	LU 18	412048	962923	0.078						Si
163	7.6	5.4	7.6	5.4	387131	LU 18	457142	962923	0.078						Si
182	7.6	5.4	7.6	5.4	434380	LU 18	500138	962923	0.078						Si
201	7.6	5.4	7.6	5.4	477459	LU 18	542603	962923	0.078						Si
220	7.6	5.4	7.6	5.4	521092	LU 12	581724	962923	0.078						Si
230	7.6	5.4	9.73	5.4	541935	LU 12	600031	1215657	0.083						Si
249	7.6	5.4	11.02	5.4	581112	LU 12	615424	1368954	0.085						Si
267	7.6	5.4	11.4	5.4	615424	LU 12	615424	1414576	0.086						Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
268	7.6	5.4	11.4	5.4	616946	LU 12	616885	1414576	0.086						Si
287	7.6	5.4	11.4	5.4	649437	LU 12	633324	1414576	0.086						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.24	0	4423	LU 18	4423	9740	68363	0	9740	1	Si
19	0	9.33	0	4205	LU 18	4205	9444	68363	0	9444	1	Si
20	0.115	9.33	0	4196	LU 18	4196	9444	68363	13338	13338	1	Si
38	0.115	7.6	0	3988	LU 18	3988	8821	68363	13338	13338	1	Si
57	0.115	7.6	0	3770	LU 18	3770	8821	68363	13338	13338	1	Si
77	0.115	7.6	0	3553	LU 18	3553	8821	68363	13338	13338	1	Si
86	0.115	7.6	0	3444	LU 18	3444	8821	68363	13338	13338	1	Si
105	0.103	7.6	0	3265	LU 12	3265	8821	68363	11942	11942	1	Si
125	0.103	7.6	0	3091	LU 12	3091	8821	68363	11942	11942	1	Si
144	0.103	7.6	0	2916	LU 12	2916	8821	68363	11942	11942	1	Si
163	0.103	7.6	0	2742	LU 12	2742	8821	68363	11942	11942	1	Si
182	0.103	7.6	0	2567	LU 12	2567	8821	68363	11942	11942	1	Si
201	0.086	7.6	0	2393	LU 12	2393	8821	68363	10004	10004	1	Si
220	0.086	7.6	0	2218	LU 12	2218	8821	68363	10004	10004	1	Si
230	0.086	7.6	0	2131	LU 12	2131	8821	68363	10004	10004	1	Si
249	0.086	7.6	0	1957	LU 12	1957	8821	68363	10004	10004	1	Si
267	0.086	7.6	0	1790	LU 12	1790	8821	68363	10004	10004	1	Si
268	0	7.6	0	1782	LU 12	1782	8821	68363	0	8821	1	Si
287	0	7.6	0	1608	LU 12	1608	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-135859	3	-104127	3.8	124.5	155	1837	-91838	2	-63560	2.3	93.4	0	+∞	Si
19	-76277	3	-76247	2.8	124.5	113.5	1837	-38875	2	-38851	1.4	93.4	0	+∞	Si
20	-73770	3	-73770	2.7	124.5	109.8	1837	-36656	2	-36656	1.3	93.4	0	+∞	Si
38	24012	1	92629	3.4	124.5	137.9	1837	24012	1	91629	3.3	93.4	0	+∞	Si
38	-19267	3	-73770	2.7	124.5	109.8	1837								Si
57	69265	1	136875	5.1	124.5	210.7	1837	69265	1	132982	5	93.4	0	+∞	Si
77	114415	6	178586	7.1	124.5	310.4	1837	111947	1	171764	6.8	93.4	0	+∞	Si
86	136174	6	198292	5	124.5	76.8	1837	132323	1	190190	8.3	93.4	0	+∞	Si
105	177927	8	236249	6.2	124.5	92.3	1837	171148	1	225495	10.1	93.4	0	+∞	Si
125	216611	8	276185	7.2	124.5	108	1837	207400	1	260414	11.7	93.4	0	+∞	Si
144	255953	9	312999	8.2	124.5	122.3	1837	242703	2	292761	13.1	93.4	0	+∞	Si
163	294380	9	346689	9	124.5	135.5	1837	276379	2	322538	14.5	93.4	0	+∞	Si
182	329684	9	378638	9.9	124.5	148	1837	307484	2	349742	15.7	93.4	0	+∞	Si
201	361865	9	409890	10.7	124.5	160.2	1837	336017	2	374375	16.8	93.4	0	+∞	Si
220	394074	3	438570	11.4	124.5	171.4	1837	361979	2	396437	17.8	93.4	0	+∞	Si
230	409400	3	451946	18.5	124.5	786.9	1837	373995	2	406503	16.6	93.4	0	+∞	Si
249	438123	3	463166	18.1	124.5	715.2	1837	396100	2	414812	16.2	93.4	0	+∞	Si
267	463166	3	463166	17.9	124.5	692	1837	414812	2	414812	16	93.4	0	+∞	Si
268	464275	3	464229	17.9	124.5	693.6	1837	415633	2	415593	16.1	93.4	0	+∞	Si
287	487855	3	476197	18.4	124.5	711.4	1837	432594	2	424390	16.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
20	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
38	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.006	1	0.005	1	9999	Si
57	0.004	0.003	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	1	0.008	1	9999	Si
77	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	1	0.011	1	9999	Si
86	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.012	1	0.012	1	9999	Si
105	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.014	1	0.014	1	9999	Si
125	0.007	0.007	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.016	2	9999	Si
144	0.008	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.017	2	0.017	2	9999	Si
163	0.008	0.008	0.007	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.018	2	0.017	2	9999	Si
182	0.008	0.007	0.007	0.007	0.008	0.007	0.007	0.007	0.008	0.007	0.017	2	0.017	2	9999	Si
201	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.016	2	9999	Si
220	0.007	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.015	2	0.014	2	9999	Si
230	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.013	2	9999	Si
249	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.01	2	9999	Si
267	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.006	2	0.006	2	9999	Si
268	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si

Campata 4 tra i fili 17 - 18, sezione R 40x70, asta 1216

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	857196	LU 12	827336	1414576	0.086						Si
18	7.6	5.4	11.4	5.4	802090	LU 12	801728	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	795721	LU 12	795721	1414576	0.086						Si
36	7.6	5.4	11.4	5.4	744035	LU 12	795721	1414576	0.086						Si
54	7.6	5.4	10.9	5.4	683032	LU 12	780022	1354960	0.085						Si
72	7.6	5.4	9.69	5.4	619081	LU 12	720833	1210990	0.083						Si
81	7.6	5.4	7.6	5.4	585999	LU 12	690132	962923	0.078						Si
99	7.6	5.4	7.6	5.4	517625	LU 12	626520	962923	0.078						Si
117	7.6	5.4	7.6	5.4	446303	LU 12	559959	962923	0.078						Si
135	7.6	5.4	7.6	5.4	372032	LU 12	490450	962923	0.078						Si
153	7.6	5.4	7.6	5.4	294813	LU 12	417992	962923	0.078						Si
171	7.6	5.4	7.6	5.4	214645	LU 12	342587	962923	0.078						Si
189	7.6	5.4	7.6	5.4	131529	LU 12	264232	962923	0.078	73609	LU 1	-35044	-962923	0.078	Si
207	11.15	5.4	7.6	5.4	45465	LU 12	182930	963356	0.079	12180	LU 1	-124142	-1384634	0.086	Si
216	12	5.4	7.6	5.4	7143	LU 3	141173	963427	0.08	-25201	LU 10	-170070	-1485363	0.088	Si
234	13.7	5.4	7.6	5.4	-63895	LU 3	55447	963546	0.08	-113627	LU 15	-195616	-1686702	0.092	Si
250	15.21	5.4	7.6	5.4						-195616	LU 15	-195616	-1865528	0.096	Si
252	15.21	5.4	7.6	5.4						-205980	LU 15	-205516	-1865528	0.096	Si
270	15.21	5.4	7.6	5.4						-302010	LU 15	-247718	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.3	0	-2980	LU 12	-2980	-9759	-68363	0	-9759	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
18	0	7.6	0	-3143	LU 12	-3143	-8821	-68363	0	-8821	1	Si
20	0.101	7.6	0	-3162	LU 12	-3162	-8821	-68363	-11671	-11671	1	Si
36	0.101	7.6	0	-3307	LU 12	-3307	-8821	-68363	-11671	-11671	1	Si
54	0.101	7.6	0	-3471	LU 12	-3471	-8821	-68363	-11671	-11671	1	Si
72	0.101	7.6	0	-3635	LU 12	-3635	-8821	-68363	-11671	-11671	1	Si
81	0.101	7.6	0	-3717	LU 12	-3717	-8821	-68363	-11671	-11671	1	Si
99	0.112	7.6	0	-3880	LU 12	-3880	-8821	-68363	-12968	-12968	1	Si
117	0.112	7.6	0	-4044	LU 12	-4044	-8821	-68363	-12968	-12968	1	Si
135	0.112	7.6	0	-4208	LU 12	-4208	-8821	-68363	-12968	-12968	1	Si
153	0.112	7.6	0	-4372	LU 12	-4372	-8821	-68363	-12968	-12968	1	Si
171	0.112	7.6	0	-4558	LU 18	-4558	-8821	-68363	-12968	-12968	1	Si
189	0.115	7.6	0	-4762	LU 18	-4762	-8821	-68363	-13338	-13338	1	Si
207	0.115	7.6	0	-4967	LU 18	-4967	-8821	-68363	-13338	-13338	1	Si
216	0.115	7.6	0	-5069	LU 18	-5069	-8821	-68363	-13338	-13338	1	Si
234	0.115	7.6	0	-5273	LU 18	-5273	-8821	-68363	-13338	-13338	1	Si
250	0.115	7.6	0	-5455	LU 18	-5455	-8821	-68363	-13338	-13338	1	Si
252	0	7.6	0	-5477	LU 18	-5477	-8821	-68363	0	-8821	1	Si
261	0	7.6	0	-5580	LU 18	-5580	-8821	-68363	0	-8821	1	Si
270	0	11.15	0	-5682	LU 18	-5682	-10022	-68363	0	-10022	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	649022	3	626407	24.2	124.5	935.9	1837	600690	2	579705	21.8	93.4	0	+∞	Si
18	607269	3	606994	23.4	124.5	906.8	1837	561872	2	561613	21.7	93.4	0	+∞	Si
20	602441	3	602441	23.3	124.5	900	1837	557370	2	557370	21.5	93.4	0	+∞	Si
36	563248	3	602441	23.3	124.5	900	1837	520785	2	557370	21.5	93.4	0	+∞	Si
54	516959	3	590539	23.2	124.5	921.4	1837	477431	2	546272	21.4	93.4	0	+∞	Si
72	468403	3	545645	21.8	124.5	953.8	1837	431809	2	504312	20.7	93.4	0	+∞	Si
81	443274	3	522348	13.6	124.5	204.2	1837	408147	2	482482	21.6	93.4	0	+∞	Si
99	391315	3	474052	11.8	124.5	185.3	1837	359123	2	437120	19.6	93.4	0	+∞	Si
117	337088	3	423488	11	124.5	165.5	1837	307830	2	389491	17.5	93.4	0	+∞	Si
135	280593	3	370656	9.7	124.5	144.9	1837	254270	2	339593	15.2	93.4	0	+∞	Si
153	221830	3	315556	8.2	124.5	123.3	1837	198441	2	287428	12.9	93.4	0	+∞	Si
171	160800	3	258188	6.7	124.5	100.9	1837	140345	2	232994	10.5	93.4	0	+∞	Si
189	97501	3	198552	5.2	124.5	77.6	1837	79981	2	176293	7.9	93.4	0	+∞	Si
207	31934	3	136648	3.4	124.5	51.8	1837	17348	2	117323	5	93.4	0	+∞	Si
216	-19386	1	-130082	4.9	124.5	185	1837	-19386	1	-125265	4.8	93.4	0	+∞	Si
234	-86980	6	-149584	5.4	124.5	187.4	1837	-84217	1	-143798	5.2	93.4	0	+∞	Si
250	-149584	6	-149584	5.2	124.5	169.5	1837	-143798	1	-143798	5	93.4	0	+∞	Si
252	-157495	6	-157140	5.5	124.5	178.1	1837	-151316	1	-150973	5.3	93.4	0	+∞	Si
270	-230764	6	-189354	6.6	124.5	214.6	1837	-220683	1	-181565	6.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.006	2	0.005	2	9999	Si
20	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
36	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.01	2	9999	Si
54	0.006	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	2	0.013	2	9999	Si
72	0.007	0.006	0.007	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.016	2	0.015	2	9999	Si
81	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.016	2	9999	Si
99	0.008	0.007	0.007	0.006	0.007	0.007	0.007	0.006	0.007	0.007	0.017	2	0.016	2	9999	Si
108	0.008	0.007	0.007	0.006	0.007	0.007	0.007	0.006	0.007	0.007	0.017	2	0.016	2	9999	Si
117	0.008	0.007	0.007	0.006	0.007	0.007	0.007	0.006	0.007	0.007	0.017	2	0.016	2	9999	Si
135	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.015	2	9999	Si
153	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.015	2	0.014	2	9999	Si
171	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.013	2	0.012	2	9999	Si
189	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.01	2	0.01	2	9999	Si
207	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.008	2	0.008	2	9999	Si
216	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
234	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
250	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
252	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Campata 5 tra i fili 18 - 19, sezione R 40x70, asta 1217

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	192864	LU 12	156548	963633	0.08						Si
19	15.21	5.4	7.6	5.4	121650	LU 12	121554	963633	0.08						Si
20	15.21	5.4	7.6	5.4	118445	LU 12	118445	963633	0.08	58589	LU 6	-8280	-1865528	0.096	Si
38	13.48	5.4	7.6	5.4	47093	LU 12	118445	963532	0.08	17663	LU 6	-73864	-1660621	0.091	Si
57	11.67	5.4	7.6	5.4	-23609	LU 1	86020	963401	0.08	-35667	LU 18	-155351	-1446200	0.087	Si
77	7.6	5.4	7.6	5.4	-75678	LU 1	12453	962923	0.078	-112050	LU 12	-241664	-962923	0.078	Si
86	7.6	5.4	7.6	5.4	-102677	LU 1	22616	962923	0.078	-153925	LU 12	-286075	-962923	0.078	Si
105	7.6	5.4	7.6	5.4	-158603	LU 1	38252	962923	0.078	-240182	LU 12	-377402	-962923	0.078	Si
125	7.6	5.4	7.6	5.4	-216755	LU 6	47633	962923	0.078	-329783	LU 12	-472073	-962923	0.078	Si
144	7.6	5.4	7.6	5.4	-278169	LU 1	50761	962923	0.078	-422726	LU 12	-570087	-962923	0.078	Si
163	7.6	5.4	7.6	5.4	-341810	LU 1	47633	962923	0.078	-519013	LU 12	-671444	-962923	0.078	Si
172	7.6	5.4	7.6	5.4	-374594	LU 1	43724	962923	0.078	-568410	LU 12	-723376	-962923	0.078	Si
182	9.47	5.4	7.6	5.4	-408022	LU 1	38252	963184	0.079	-618642	LU 12	-776143	-1184872	0.082	Si
201	12.1	5.4	7.6	5.4	-476805	LU 1	22616	963434	0.08	-721615	LU 12	-884186	-1497515	0.088	Si
220	13.91	5.4	6.34	5.4	-548161	LU 1	726	813864	0.079	-827930	LU 12	-995572	-1712065	0.094	Si
230	14.49	5.4	5.05	5.4						-882341	LU 12	-1052518	-1780909	0.098	Si
249	15.21	5.4	5.13	5.4						-993671	LU 12	-1103322	-1865868	0.1	Si
267	15.21	5.4	7.6	5.4						-1103322	LU 12	-1103322	-1865528	0.096	Si
268	15.21	5.4	7.6	5.4						-1108344	LU 12	-1108269	-1865528	0.096	Si
287	15.21	5.4	7.6	5.4						-1226360	LU 12	-1163948	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-3628	LU 12	-3628	-8821	-68363	0	-8821	1	Si
19	0	7.6	0	-3803	LU 12	-3803	-8821	-68363	0	-8821	1	Si
20	0.061	7.6	0	-3810	LU 12	-3810	-8821	-68363	-7073	-8821	1	Si
38	0.061	7.6	0	-3977	LU 12	-3977	-8821	-68363	-7073	-8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
57	0.061	7.6	0	-4152	LU 12	-4152	-8821	-68363	-7073	-8821	1	Si
77	0.061	7.6	0	-4326	LU 12	-4326	-8821	-68363	-7073	-8821	1	Si
86	0.061	7.6	0	-4413	LU 12	-4413	-8821	-68363	-7073	-8821	1	Si
105	0.061	7.6	0	-4588	LU 12	-4588	-8821	-68363	-7073	-8821	1	Si
125	0.061	9.92	0	-4762	LU 12	-4762	-9639	-68363	-7073	-9639	1	Si
144	0.061	7.6	0	-4936	LU 12	-4936	-8821	-68363	-7073	-8821	1	Si
163	0.061	7.6	0	-5111	LU 12	-5111	-8821	-68363	-7073	-8821	1	Si
182	0.061	7.6	0	-5285	LU 12	-5285	-8821	-68363	-7073	-8821	1	Si
201	0.061	7.6	0	-5460	LU 12	-5460	-8821	-68363	-7073	-8821	1	Si
220	0.061	7.6	0	-5648	LU 18	-5648	-8821	-68363	-7073	-8821	1	Si
230	0.061	7.6	0	-5757	LU 18	-5757	-8821	-68363	-7073	-8821	1	Si
240	0.061	7.6	0	-5866	LU 18	-5866	-8821	-68363	-7073	-8821	1	Si
249	0.061	9.47	0	-5974	LU 18	-5974	-9491	-68363	-7073	-9491	1	Si
267	0.061	12.1	0	-6183	LU 18	-6183	-10299	-68363	-7073	-10299	1	Si
268	0	12.1	0	-6192	LU 18	-6192	-10299	-68363	0	-10299	1	Si
287	0	13.91	0	-6410	LU 18	-6410	-10788	-68363	0	-10788	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	144199	3	116988	2.8	124.5	44	1837	124798	2	100973	4.1	93.4	0	+∞	Si
19	90809	3	90736	2.1	124.5	34.1	1837	77897	2	77830	3.1	93.4	0	+∞	Si
20	88403	3	88403	2.1	124.5	33.2	1837	75774	2	75774	3	93.4	0	+∞	Si
38	34847	3	88403	2.1	124.5	33.5	1837	28425	2	75774	3.1	93.4	0	+∞	Si
57	-26926	9	-117381	4.5	124.5	171.5	1837	-23618	2	-107471	4.1	93.4	0	+∞	Si
77	-84790	3	-182385	4.8	124.5	71.3	1837	-78233	2	-165986	7.4	93.4	0	+∞	Si
86	-116307	3	-215852	5.6	124.5	84.4	1837	-106505	2	-196208	8.8	93.4	0	+∞	Si
105	-181269	3	-284714	7.4	124.5	111.3	1837	-164978	2	-258581	11.6	93.4	0	+∞	Si
125	-248802	3	-356148	9.3	124.5	139.2	1837	-226022	2	-323525	14.5	93.4	0	+∞	Si
144	-318907	3	-430153	11.2	124.5	168.1	1837	-289637	2	-391040	17.5	93.4	0	+∞	Si
163	-391583	3	-506729	13.2	124.5	198.1	1837	-355824	2	-461128	20.7	93.4	0	+∞	Si
182	-466831	3	-585877	24.2	124.5	1047.1	1837	-424582	2	-533786	22.1	93.4	0	+∞	Si
201	-544650	3	-667597	25.3	124.5	941.9	1837	-495912	2	-609016	23	93.4	0	+∞	Si
220	-625041	3	-751888	27.6	124.5	929.7	1837	-569814	2	-686818	25.3	93.4	0	+∞	Si
230	-666201	3	-794998	29.4	124.5	947.2	1837	-607729	2	-726683	26.9	93.4	0	+∞	Si
249	-750450	3	-833467	30.3	124.5	948.1	1837	-685488	2	-762297	27.7	93.4	0	+∞	Si
267	-833467	3	-833467	29.2	124.5	944.6	1837	-762297	2	-762297	26.7	93.4	0	+∞	Si
268	-837269	3	-837213	29.3	124.5	948.9	1837	-765818	2	-765767	26.8	93.4	0	+∞	Si
287	-926661	3	-879376	30.8	124.5	996.7	1837	-848720	2	-804821	28.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
38	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.006	1	-0.006	1	9999	Si
57	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
77	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.013	1	-0.013	1	9999	Si
86	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.014	1	-0.015	1	9999	Si
105	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.017	1	-0.018	1	9999	Si
125	-0.008	-0.009	-0.008	-0.009	-0.008	-0.009	-0.008	-0.008	-0.008	-0.008	-0.019	1	-0.02	1	9999	Si
144	-0.009	-0.01	-0.008	-0.009	-0.009	-0.009	-0.008	-0.009	-0.009	-0.009	-0.021	1	-0.022	1	9999	Si
163	-0.009	-0.011	-0.009	-0.01	-0.009	-0.01	-0.009	-0.009	-0.009	-0.01	-0.022	1	-0.023	1	9999	Si
172	-0.009	-0.011	-0.009	-0.01	-0.009	-0.01	-0.009	-0.009	-0.009	-0.01	-0.022	1	-0.023	1	9999	Si
182	-0.009	-0.011	-0.009	-0.01	-0.009	-0.01	-0.009	-0.009	-0.009	-0.01	-0.022	1	-0.023	1	9999	Si
201	-0.009	-0.01	-0.008	-0.01	-0.009	-0.01	-0.008	-0.009	-0.009	-0.009	-0.022	1	-0.022	1	9999	Si
220	-0.008	-0.009	-0.008	-0.009	-0.008	-0.009	-0.008	-0.008	-0.008	-0.009	-0.019	1	-0.02	1	9999	Si
230	-0.008	-0.009	-0.007	-0.008	-0.008	-0.008	-0.007	-0.007	-0.008	-0.008	-0.018	1	-0.019	1	9999	Si
249	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.014	1	-0.014	1	9999	Si
267	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.008	1	-0.008	1	9999	Si
268	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si

Campata 6 tra i fili 19 - 20, sezione R 40x70, asta 1218

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-1103283	LU 12	-1038947	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-976408	LU 12	-976408	-1865528	0.096	Si
41	15.21	5.4	7.6	5.4						-847063	LU 12	-976408	-1865528	0.096	Si
61	14.3	5.4	7.6	5.4						-724689	LU 12	-899420	-1758158	0.093	Si
82	13.33	5.4	7.6	5.4	-386040	LU 1	14812	963523	0.08	-606140	LU 12	-775448	-1643583	0.091	Si
92	10.92	5.4	7.6	5.4	-350304	LU 1	26438	963336	0.079	-548300	LU 12	-714896	-1357201	0.085	Si
113	9.95	5.4	7.6	5.4	-280780	LU 6	44325	963238	0.079	-435487	LU 12	-596660	-1242432	0.083	Si
133	7.6	5.4	7.6	5.4	-210454	LU 6	55057	962923	0.078	-326498	LU 12	-482248	-962923	0.078	Si
154	7.6	5.4	7.6	5.4	-144015	LU 6	58635	962923	0.078	-221334	LU 12	-371661	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	-81464	LU 6	55057	962923	0.078	-119994	LU 12	-264898	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	-7670	LU 9	109182	962923	0.078	-43421	LU 10	-161959	-962923	0.078	Si
215	7.6	5.4	7.6	5.4	71213	LU 12	197450	962923	0.078	21155	LU 1	-74269	-962923	0.078	Si
236	7.6	5.4	7.6	5.4	161080	LU 12	281894	962923	0.078	72769	LU 1	-1748	-962923	0.078	Si
246	7.6	5.4	7.6	5.4	204580	LU 12	322682	962923	0.078						Si
266	7.6	5.4	7.6	5.4	288710	LU 12	370905	962923	0.078						Si
287	7.6	5.4	7.6	5.4	370905	LU 12	370905	962923	0.078						Si
307	7.6	5.4	7.6	5.4	445499	LU 12	409101	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.3	0	6599	LU 18	6599	10888	68363	0	10888	1	Si
20	0.101	13.33	0	6372	LU 18	6372	10637	68363	11671	11671	1	Si
41	0.101	10.44	0	6133	LU 18	6133	9803	68363	11671	11671	1	Si
61	0.101	9.47	0	5900	LU 18	5900	9491	68363	11671	11671	1	Si
82	0.101	7.6	0	5690	LU 12	5690	8821	68363	11671	11671	1	Si
92	0.095	7.6	0	5596	LU 12	5596	8821	68363	10984	10984	1	Si
113	0.095	7.6	0	5410	LU 12	5410	8821	68363	10984	10984	1	Si
133	0.095	7.6	0	5223	LU 12	5223	8821	68363	10984	10984	1	Si
154	0.095	7.6	0	5037	LU 12	5037	8821	68363	10984	10984	1	Si
174	0.095	7.6	0	4850	LU 12	4850	8821	68363	10984	10984	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
195	0.095	7.6	0	4664	LU 12	4664	8821	68363	10984	10984	1	Si
215	0.095	7.6	0	4477	LU 12	4477	8821	68363	10984	10984	1	Si
236	0.086	7.6	0	4290	LU 12	4290	8821	68363	10004	10004	1	Si
246	0.086	7.6	0	4197	LU 12	4197	8821	68363	10004	10004	1	Si
266	0.086	7.6	0	4011	LU 12	4011	8821	68363	10004	10004	1	Si
287	0.086	7.6	0	3820	LU 12	3820	8821	68363	10004	10004	1	Si
307	0	7.6	0	3638	LU 12	3638	8821	68363	0	8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-828641	3	-780291	27.3	124.5	884.4	1837	-734686	2	-691678	24.2	93.4	0	+∞	Si
20	-733324	3	-733324	25.6	124.5	831.1	1837	-650054	2	-650054	22.7	93.4	0	+∞	Si
41	-636220	3	-733324	25.6	124.5	831.1	1837	-564168	2	-650054	22.7	93.4	0	+∞	Si
61	-544422	3	-675518	24.1	124.5	812	1837	-483322	2	-598888	21.4	93.4	0	+∞	Si
82	-455565	3	-582490	21.3	124.5	748.8	1837	-405417	2	-516812	18.9	93.4	0	+∞	Si
92	-412240	3	-537080	21.1	124.5	836.6	1837	-367568	2	-476877	18.7	93.4	0	+∞	Si
113	-327797	3	-448464	18.2	124.5	763.8	1837	-294076	2	-399214	16.2	93.4	0	+∞	Si
133	-246295	3	-362791	9.5	124.5	141.8	1837	-223526	2	-324492	14.6	93.4	0	+∞	Si
154	-167734	3	-280059	7.3	124.5	109.5	1837	-155918	2	-252712	11.3	93.4	0	+∞	Si
174	-92116	3	-200269	5.2	124.5	78.3	1837	-91251	2	-183874	8.2	93.4	0	+∞	Si
195	-33400	1	-123421	3.2	124.5	48.2	1837	-33400	1	-117977	5.3	93.4	0	+∞	Si
215	50296	3	144090	3.8	124.5	56.3	1837	29257	2	107520	4.8	93.4	0	+∞	Si
236	117089	3	206711	5.4	124.5	80.8	1837	85098	2	159190	7.1	93.4	0	+∞	Si
246	149383	3	236919	6.2	124.5	92.6	1837	111916	2	183922	8.2	93.4	0	+∞	Si
266	211763	3	272598	7.1	124.5	106.5	1837	163345	2	212961	9.6	93.4	0	+∞	Si
287	272598	3	272598	7.1	124.5	106.5	1837	212961	2	212961	9.6	93.4	0	+∞	Si
307	327699	3	300840	7.8	124.5	117.6	1837	257377	2	235860	10.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
41	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
61	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.014	1	-0.014	1	9999	Si
82	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.006	-0.006	-0.007	-0.007	-0.015	1	-0.016	1	9999	Si
92	-0.007	-0.008	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.016	1	-0.016	1	9999	Si
102	-0.007	-0.008	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.016	1	-0.016	1	9999	Si
113	-0.007	-0.008	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.016	1	-0.016	1	9999	Si
133	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.015	1	-0.015	1	9999	Si
154	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.014	1	-0.014	1	9999	Si
174	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.012	1	9999	Si
195	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.01	1	9999	Si
215	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
236	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
246	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
266	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
287	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si

Campata 7 tra i fili 20 - 21, sezione R 40x70, asta 1219

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	275390	LU 12	275390	962923	0.078						Si
18	7.6	5.4	7.6	5.4	298684	LU 12	298684	962923	0.078						Si
20	7.6	5.4	7.6	5.4	301026	LU 12	331863	962923	0.078						Si
36	7.6	5.4	7.6	5.4	319029	LU 12	345595	962923	0.078						Si
54	7.6	5.4	7.6	5.4	336426	LU 12	358231	962923	0.078						Si
72	7.6	5.4	7.6	5.4	350874	LU 12	367917	962923	0.078						Si
81	7.6	5.4	7.6	5.4	356993	LU 12	371655	962923	0.078						Si
99	7.6	5.4	7.6	5.4	367019	LU 12	376919	962923	0.078						Si
117	7.6	5.4	7.6	5.4	374096	LU 12	379235	962923	0.078						Si
126	7.6	5.4	7.6	5.4	376529	LU 12	379406	962923	0.078						Si
135	7.6	5.4	7.6	5.4	378225	LU 12	379406	962923	0.078						Si
153	7.6	5.4	7.6	5.4	379406	LU 12	379406	962923	0.078						Si
171	7.6	5.4	7.6	5.4	377638	LU 12	379406	962923	0.078						Si
189	7.6	5.4	7.6	5.4	372922	LU 12	379009	962923	0.078						Si
207	11.15	5.4	7.6	5.4	365258	LU 12	376106	963356	0.079						Si
216	12	5.4	7.6	5.4	360320	LU 12	373549	963427	0.08						Si
234	13.7	5.4	7.6	5.4	348233	LU 12	366224	963546	0.08						Si
250	15.21	5.4	7.6	5.4	334949	LU 12	357211	963633	0.08						Si
252	15.21	5.4	7.6	5.4	333197	LU 12	333197	963633	0.08						Si
270	15.21	5.4	7.6	5.4	315213	LU 12	315213	963633	0.08						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1738	LU 17	1738	8821	68363	0	8821	1	Si
18	0	7.6	0	1534	LU 17	1534	8821	68363	0	8821	1	Si
20	0.061	7.6	0	1511	LU 17	1511	8821	68363	7104	8821	1	Si
36	0.061	7.6	0	1330	LU 17	1330	8821	68363	7104	8821	1	Si
54	0.061	7.6	0	1125	LU 17	1125	8821	68363	7104	8821	1	Si
72	0.061	7.6	0	921	LU 17	921	8821	68363	7104	8821	1	Si
81	0.061	7.6	0	819	LU 17	819	8821	68363	7104	8821	1	Si
99	0.061	7.6	0	614	LU 17	614	8821	68363	7104	8821	1	Si
117	0.061	7.6	0	410	LU 17	410	8821	68363	7104	8821	1	Si
135	0.061	7.6	0	206	LU 17	206	8821	68363	7104	8821	1	Si
153	0.061	7.6	0	36	LU 13	36	8821	68363	7104	8821	1	Si
153	0.061	7.6	0	-42	LU 7	-42	-8821	-68363	-7104	-8821	1	Si
171	0.061	7.6	0	-243	LU 16	-243	-8821	-68363	-7104	-8821	1	Si
189	0.061	7.6	0	-447	LU 16	-447	-8821	-68363	-7104	-8821	1	Si
207	0.061	7.6	0	-651	LU 16	-651	-8821	-68363	-7104	-8821	1	Si
216	0.061	7.6	0	-754	LU 16	-754	-8821	-68363	-7104	-8821	1	Si
234	0.061	7.6	0	-958	LU 16	-958	-8821	-68363	-7104	-8821	1	Si
250	0.061	7.6	0	-1139	LU 16	-1139	-8821	-68363	-7104	-8821	1	Si
252	0	7.6	0	-1162	LU 16	-1162	-8821	-68363	0	-8821	1	Si
270	0	7.6	0	-1366	LU 16	-1366	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	201571	3	201571	5.3	124.5	78.8	1837	153825	2	153825	6.9	93.4	0	+∞	Si
18	219546	3	219546	5.7	124.5	85.8	1837	172019	2	172019	7.7	93.4	0	+∞	Si
20	221354	3	245167	6.4	124.5	95.8	1837	173852	2	198018	8.9	93.4	0	+∞	Si
36	235253	3	255780	6.7	124.5	100	1837	187945	2	208826	9.4	93.4	0	+∞	Si
54	248692	3	265557	6.9	124.5	103.8	1837	201603	2	218822	9.8	93.4	0	+∞	Si
72	259863	3	273065	7.1	124.5	106.7	1837	212993	2	226549	10.2	93.4	0	+∞	Si
81	264598	3	275968	7.2	124.5	107.9	1837	217838	2	229562	10.3	93.4	0	+∞	Si
99	272367	3	280074	7.3	124.5	109.5	1837	225826	2	233887	10.5	93.4	0	+∞	Si
117	277868	3	281913	7.3	124.5	110.2	1837	231546	2	235944	10.6	93.4	0	+∞	Si
135	281101	3	282066	7.4	124.5	110.3	1837	234998	2	236182	10.6	93.4	0	+∞	Si
153	282066	3	282066	7.4	124.5	110.3	1837	236182	2	236182	10.6	93.4	0	+∞	Si
171	280763	3	282066	7.4	124.5	110.3	1837	235098	2	236182	10.6	93.4	0	+∞	Si
189	277192	3	281782	7.3	124.5	110.1	1837	231746	2	235983	10.6	93.4	0	+∞	Si
207	271353	3	279606	6.9	124.5	107.2	1837	226126	2	234026	9.9	93.4	0	+∞	Si
216	267583	3	277668	6.8	124.5	106	1837	222465	2	232197	9.7	93.4	0	+∞	Si
234	258342	3	272089	6.5	124.5	103	1837	213443	2	226837	9.3	93.4	0	+∞	Si
250	248174	3	265207	6.3	124.5	99.7	1837	203471	2	220150	8.8	93.4	0	+∞	Si
252	246833	3	246833	5.8	124.5	92.8	1837	202153	2	202153	8.1	93.4	0	+∞	Si
270	233056	3	233056	5.5	124.5	87.6	1837	188595	2	188595	7.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
20	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.004	2	0.003	2	9999	Si
36	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
54	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
72	0.006	0.004	0.005	0.004	0.005	0.004	0.005	0.004	0.005	0.004	0.011	2	0.01	2	9999	Si
81	0.006	0.005	0.006	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
99	0.007	0.005	0.006	0.005	0.006	0.005	0.006	0.005	0.006	0.005	0.014	2	0.012	2	9999	Si
117	0.007	0.006	0.007	0.005	0.007	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
135	0.008	0.006	0.007	0.005	0.007	0.006	0.006	0.005	0.006	0.006	0.015	2	0.014	2	9999	Si
153	0.007	0.006	0.007	0.005	0.007	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
171	0.007	0.005	0.006	0.005	0.006	0.005	0.006	0.005	0.006	0.005	0.014	2	0.013	2	9999	Si
189	0.006	0.005	0.006	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
207	0.005	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.01	2	9999	Si
216	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si
234	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
250	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
252	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.004	2	0.003	2	9999	Si

Campata 8 tra i fili 21 - 22, sezione R 40x70, asta 1220

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4	429295	LU 12	396134	963633	0.08						Si
20	15.21	5.4	7.6	5.4	361176	LU 12	361176	963633	0.08						Si
41	13.23	5.4	7.6	5.4	285779	LU 12	361176	963517	0.08						Si
62	11.29	5.4	7.6	5.4	208284	LU 12	316976	963368	0.08						Si
82	7.6	5.4	7.6	5.4	126966	LU 12	241081	962923	0.078	69484	LU 1	-931	-962923	0.078	Si
92	7.6	5.4	7.6	5.4	84872	LU 12	201699	962923	0.078	45698	LU 1	-39775	-962923	0.078	Si
113	7.6	5.4	7.6	5.4	4654	LU 7	120067	962923	0.078	-6536	LU 13	-132253	-962923	0.078	Si
133	7.6	5.4	7.6	5.4	-51609	LU 6	55058	962923	0.078	-93062	LU 12	-228555	-962923	0.078	Si
154	7.6	5.4	7.6	5.4	-109145	LU 6	58635	962923	0.078	-187766	LU 12	-328682	-962923	0.078	Si
174	7.6	5.4	7.6	5.4	-170567	LU 6	55058	962923	0.078	-286294	LU 12	-432633	-962923	0.078	Si
195	7.6	5.4	7.6	5.4	-232604	LU 1	44325	962923	0.078	-388646	LU 12	-540408	-962923	0.078	Si
205	7.6	5.4	7.6	5.4	-264479	LU 1	36276	962923	0.078	-441256	LU 12	-595730	-962923	0.078	Si
215	10.64	5.4	7.6	5.4	-297090	LU 1	26438	963308	0.079	-494822	LU 12	-652008	-1324172	0.085	Si
236	12.58	5.4	7.6	5.4	-364517	LU 1	1396	963471	0.08	-604823	LU 12	-767431	-1553617	0.089	Si
246	13.54	5.4	7.6	5.4						-661257	LU 12	-826577	-1668268	0.092	Si
267	15.21	5.4	7.6	5.4						-776994	LU 12	-899542	-1865528	0.096	Si
288	15.21	5.4	7.6	5.4						-899542	LU 12	-899542	-1865528	0.096	Si
308	15.21	5.4	7.6	5.4						-1019942	LU 12	-958843	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-3314	LU 12	-3314	-8821	-68363	0	-8821	1	Si
20	0.072	7.6	0	-3496	LU 12	-3496	-8821	-68363	-8336	-8821	1	Si
41	0.072	7.6	0	-3687	LU 12	-3687	-8821	-68363	-8336	-8821	1	Si
62	0.072	7.6	0	-3873	LU 12	-3873	-8821	-68363	-8336	-8821	1	Si
82	0.072	7.6	0	-4060	LU 12	-4060	-8821	-68363	-8336	-8821	1	Si
92	0.087	7.6	0	-4153	LU 12	-4153	-8821	-68363	-10069	-10069	1	Si
113	0.087	7.6	0	-4340	LU 12	-4340	-8821	-68363	-10069	-10069	1	Si
133	0.087	7.6	0	-4526	LU 12	-4526	-8821	-68363	-10069	-10069	1	Si
154	0.087	7.6	0	-4713	LU 12	-4713	-8821	-68363	-10069	-10069	1	Si
174	0.087	7.6	0	-4900	LU 12	-4900	-8821	-68363	-10069	-10069	1	Si
195	0.087	7.6	0	-5086	LU 12	-5086	-8821	-68363	-10069	-10069	1	Si
215	0.087	7.6	0	-5273	LU 12	-5273	-8821	-68363	-10069	-10069	1	Si
236	0.086	7.6	0	-5459	LU 12	-5459	-8821	-68363	-10004	-10004	1	Si
246	0.086	7.6	0	-5569	LU 18	-5569	-8821	-68363	-10004	-10004	1	Si
267	0.086	7.6	0	-5802	LU 18	-5802	-8821	-68363	-10004	-10004	1	Si
288	0.086	11.61	0	-6040	LU 18	-6040	-10157	-68363	-10004	-10157	1	Si
308	0	13.54	0	-6267	LU 18	-6267	-10692	-68363	0	-10692	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	317302	3	292912	6.9	124.5	110.1	1837	256993	2	237833	9.6	93.4	0	+∞	Si
20	267139	3	267139	6.3	124.5	100.4	1837	217291	2	217291	8.7	93.4	0	+∞	Si
41	211489	3	267139	6.5	124.5	101.4	1837	172625	2	217291	9	93.4	0	+∞	Si
62	154169	3	234529	5.8	124.5	89.9	1837	126029	2	191183	8.1	93.4	0	+∞	Si
82	93908	3	178439	4.6	124.5	69.7	1837	76491	2	145816	6.5	93.4	0	+∞	Si
92	62675	3	149291	3.9	124.5	58.4	1837	50619	2	122030	5.5	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
113	1743	7	88789	2.3	124.5	34.7	1837								Si
113	-4901	4	-98803	2.6	124.5	38.6	1837	-4079	1	-84930	3.8	93.4	0	+∞	Si
133	-69614	3	-170590	4.4	124.5	66.7	1837	-60224	2	-145994	6.5	93.4	0	+∞	Si
154	-140171	3	-245319	6.4	124.5	95.9	1837	-120058	2	-209999	9.4	93.4	0	+∞	Si
174	-213670	3	-322989	8.4	124.5	126.2	1837	-182833	2	-276946	11.8	93.4	0	+∞	Si
195	-290111	3	-403601	10.5	124.5	157.8	1837	-248551	2	-346836	15.6	93.4	0	+∞	Si
215	-369493	3	-487155	19.3	124.5	777.9	1837	-317210	2	-419666	16.6	93.4	0	+∞	Si
236	-451818	3	-573651	21.4	124.5	780.1	1837	-388811	2	-495439	18.5	93.4	0	+∞	Si
246	-494083	3	-618002	22.5	124.5	782.7	1837	-425715	2	-534428	19.4	93.4	0	+∞	Si
267	-580820	3	-672739	23.5	124.5	762.5	1837	-501729	2	-582664	20.4	93.4	0	+∞	Si
288	-672739	3	-672739	23.5	124.5	762.5	1837	-582664	2	-582664	20.4	93.4	0	+∞	Si
308	-763118	3	-717237	25.1	124.5	812.9	1837	-662581	2	-621931	21.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
41	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
62	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
82	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
92	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
113	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
133	-0.003	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
154	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.01	1	-0.011	1	9999	Si
174	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.013	1	9999	Si
195	-0.005	-0.007	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.013	1	-0.013	1	9999	Si
205	-0.005	-0.007	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.013	1	-0.014	1	9999	Si
215	-0.005	-0.007	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.013	1	-0.014	1	9999	Si
236	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.013	1	9999	Si
246	-0.005	-0.006	-0.004	-0.006	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
267	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
288	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si

Campata 9 tra i fili 22 - 23, sezione R 40x70, asta 1221

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-1112373	LU 12	-1046585	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4						-982603	LU 12	-982603	-1865528	0.096	Si
41	15.21	5.4	7.6	5.4						-852300	LU 12	-982603	-1865528	0.096	Si
61	13.94	5.4	7.6	5.4						-727906	LU 12	-906960	-1715250	0.093	Si
81	12.02	5.4	7.6	5.4	-373666	LU 1	14506	963429	0.08	-607275	LU 12	-780951	-1487814	0.088	Si
91	11.06	5.4	7.6	5.4	-337417	LU 1	25944	963348	0.079	-548371	LU 12	-719356	-1374021	0.086	Si
102	7.6	5.4	7.6	5.4	-300962	LU 6	35623	962923	0.078	-490407	LU 12	-658703	-962923	0.078	Si
112	7.6	5.4	7.6	5.4	-262686	LU 6	43542	962923	0.078	-433383	LU 12	-598990	-962923	0.078	Si
132	7.6	5.4	7.6	5.4	-188708	LU 8	54100	962923	0.078	-322452	LU 11	-482386	-962923	0.078	Si
152	7.6	5.4	10.57	5.4	-116050	LU 8	57620	1314974	0.084	-217787	LU 11	-369544	-963301	0.079	Si
173	7.6	5.4	7.6	5.4	-47218	LU 8	54100	962923	0.078	-116884	LU 11	-262355	-962923	0.078	Si
193	7.6	5.4	7.6	5.4	17790	LU 8	143645	962923	0.078	-19744	LU 11	-159835	-962923	0.078	Si
213	7.6	5.4	7.6	5.4	105423	LU 18	229411	962923	0.078	41140	LU 1	-61078	-962923	0.078	Si
234	7.6	5.4	7.6	5.4	193206	LU 18	310485	962923	0.078						Si
244	7.6	5.4	9.43	5.4	235337	LU 18	349262	1179751	0.082						Si
264	7.6	5.4	10.8	5.4	316081	LU 18	393420	1342401	0.085						Si
285	7.6	5.4	11.4	5.4	393420	LU 12	393420	1414576	0.086						Si
305	7.6	5.4	11.4	5.4	471351	LU 12	433288	1414576	0.086						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.94	0	6856	LU 18	6856	10795	68363	0	10795	1	Si
10	0	12.98	0	6740	LU 18	6740	10542	68363	0	10542	1	Si
20	0.115	12.02	0	6629	LU 18	6629	10276	68363	13338	13338	1	Si
41	0.115	7.6	0	6394	LU 18	6394	8821	68363	13338	13338	1	Si
61	0.115	7.6	0	6163	LU 18	6163	8821	68363	13338	13338	1	Si
81	0.115	7.6	0	5933	LU 18	5933	8821	68363	13338	13338	1	Si
91	0.105	7.6	0	5817	LU 18	5817	8821	68363	12138	12138	1	Si
112	0.105	7.6	0	5587	LU 18	5587	8821	68363	12138	12138	1	Si
132	0.105	7.6	0	5378	LU 12	5378	8821	68363	12138	12138	1	Si
152	0.105	7.6	0	5193	LU 12	5193	8821	68363	12138	12138	1	Si
173	0.105	7.6	0	5008	LU 12	5008	8821	68363	12138	12138	1	Si
193	0.105	7.6	0	4822	LU 12	4822	8821	68363	12138	12138	1	Si
213	0.105	10.57	0	4637	LU 12	4637	9843	68363	12138	12138	1	Si
234	0.101	7.6	0	4452	LU 12	4452	8821	68363	11671	11671	1	Si
244	0.101	7.6	0	4360	LU 12	4360	8821	68363	11671	11671	1	Si
264	0.101	7.6	0	4175	LU 12	4175	8821	68363	11671	11671	1	Si
285	0.101	7.6	0	3987	LU 12	3987	8821	68363	11671	11671	1	Si
305	0	9.43	0	3805	LU 12	3805	9476	68363	0	9476	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-833543	3	-784126	27.4	124.5	888.7	1837	-729280	2	-685545	24	93.4	0	+∞	Si
20	-736096	3	-736096	25.7	124.5	834.3	1837	-643199	2	-643199	22.5	93.4	0	+∞	Si
41	-638320	3	-736096	25.7	124.5	834.3	1837	-557166	2	-643199	22.5	93.4	0	+∞	Si
61	-545049	3	-679328	24.5	124.5	836.9	1837	-475450	2	-593210	21.4	93.4	0	+∞	Si
81	-454672	3	-584814	22.2	124.5	830.5	1837	-396628	2	-510250	19.3	93.4	0	+∞	Si
91	-410569	3	-538642	21	124.5	828.6	1837	-358302	2	-469856	18.3	93.4	0	+∞	Si
112	-324534	3	-448469	11.7	124.5	175.3	1837	-283822	2	-391237	17.5	93.4	0	+∞	Si
132	-241589	2	-361190	9.4	124.5	141.2	1837	-212235	2	-315513	14.2	93.4	0	+∞	Si
152	-163207	2	-276805	6.9	124.5	106.5	1837	-143543	2	-242683	10.4	93.4	0	+∞	Si
173	-87719	2	-196574	5.1	124.5	76.8	1837	-77744	2	-172747	7.7	93.4	0	+∞	Si
193	6954	8	104324	2.7	124.5	40.8	1837								Si
193	-15125	2	-119843	3.1	124.5	46.8	1837	-14840	2	-105705	4.7	93.4	0	+∞	Si
213	75767	9	168398	4.4	124.5	65.8	1837	45170	2	125895	5.6	93.4	0	+∞	Si
234	141351	9	228957	6	124.5	89.5	1837	102286	2	178873	8	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
244	172825	9	257919	10.7	124.5	463	1837	129759	2	204277	8.5	93.4	0	+∞	Si
264	233137	9	290889	11.5	124.5	458.1	1837	182534	2	233197	9.2	93.4	0	+∞	Si
285	290889	3	290889	11.2	124.5	434.6	1837	233197	2	233197	9	93.4	0	+∞	Si
305	348458	3	320368	11.8	124.5	478.6	1837	279401	2	256993	9.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
41	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.01	1	-0.011	1	9999	Si
61	-0.005	-0.007	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.013	1	-0.013	1	9999	Si
81	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.014	1	-0.015	1	9999	Si
91	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.014	1	-0.015	1	9999	Si
102	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.015	1	-0.015	1	9999	Si
112	-0.006	-0.007	-0.005	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.014	1	-0.015	1	9999	Si
132	-0.005	-0.007	-0.005	-0.006	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	1	-0.014	1	9999	Si
152	-0.005	-0.006	-0.004	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.013	1	9999	Si
173	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.011	1	9999	Si
193	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si
213	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
234	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
244	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
264	0	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.002	1	9999	Si
285	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Campata 10 tra i fili 23 - 24, sezione R 40x70, asta 1222

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	142013	LU 18	142013	1414576	0.086						Si
17	7.6	5.4	11.4	5.4	154848	LU 18	154848	1414576	0.086						Si
20	7.6	5.4	11.4	5.4	156552	LU 18	169935	1414576	0.086						Si
34	7.6	5.4	11.22	5.4	164338	LU 18	174495	1393034	0.086						Si
51	7.6	5.4	10.07	5.4	170909	LU 12	177511	1255747	0.083						Si
60	7.6	5.4	9.49	5.4	173682	LU 12	178013	1187085	0.082						Si
69	7.6	5.4	7.6	5.4	175784	LU 12	178068	962923	0.078						Si
77	7.6	5.4	7.6	5.4	177216	LU 12	178068	962923	0.078						Si
94	7.6	5.4	7.6	5.4	178068	LU 12	178068	962923	0.078						Si
112	7.6	5.4	7.6	5.4	176239	LU 12	178068	962923	0.078						Si
129	7.6	5.4	7.6	5.4	171728	LU 12	177713	962923	0.078						Si
146	7.6	5.4	7.6	5.4	164535	LU 12	175062	962923	0.078						Si
163	7.6	5.4	7.6	5.4	154661	LU 12	169728	962923	0.078						Si
180	7.6	5.4	7.6	5.4	142574	LU 11	161713	962923	0.078	27977	LU 8	-8743	-962923	0.078	Si
197	11.43	5.4	7.6	5.4	129363	LU 11	151017	963379	0.08	7286	LU 8	-36850	-1417280	0.086	Si
206	12.24	5.4	7.6	5.4	121752	LU 11	144740	963446	0.08	-4082	LU 8	-53164	-1513348	0.088	Si
223	13.85	5.4	7.6	5.4	106322	LU 2	132048	963557	0.08	-30666	LU 17	-57928	-1705366	0.092	Si
237	15.21	5.4	7.6	5.4	94213	LU 2	119407	963633	0.08	-57928	LU 17	-57928	-1865528	0.096	Si
240	15.21	5.4	7.6	5.4	91718	LU 2	91718	963633	0.08	-63482	LU 17	-63132	-1865528	0.096	Si
257	15.21	5.4	7.6	5.4	75051	LU 2	75051	963633	0.08	-99643	LU 17	-77697	-1865528	0.096	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	963	LU 16	963	8821	68363	0	8821	1	Si
17	0	7.6	0	793	LU 11	793	8821	68363	0	8821	1	Si
20	0.06	7.6	0	767	LU 11	767	8821	68363	6976	8821	1	Si
34	0.06	7.6	0	636	LU 11	636	8821	68363	6976	8821	1	Si
51	0.06	7.6	0	480	LU 11	480	8821	68363	6976	8821	1	Si
51	0.06	7.6	0	-6	LU 4	-6	-8821	-68363	-6976	-8821	1	Si
60	0.06	7.6	0	402	LU 11	402	8821	68363	6976	8821	1	Si
60	0.06	7.6	0	-66	LU 4	-66	-8821	-68363	-6976	-8821	1	Si
77	0.06	7.6	0	246	LU 11	246	8821	68363	6976	8821	1	Si
77	0.06	7.6	0	-186	LU 4	-186	-8821	-68363	-6976	-8821	1	Si
94	0.06	7.6	0	111	LU 2	111	8821	68363	6976	8821	1	Si
94	0.06	7.6	0	-353	LU 17	-353	-8821	-68363	-6976	-8821	1	Si
112	0.06	7.6	0	-548	LU 17	-548	-8821	-68363	-6976	-8821	1	Si
129	0.06	7.6	0	-743	LU 17	-743	-8821	-68363	-6976	-8821	1	Si
146	0.06	7.6	0	-937	LU 17	-937	-8821	-68363	-6976	-8821	1	Si
163	0.06	7.6	0	-1132	LU 17	-1132	-8821	-68363	-6976	-8821	1	Si
180	0.06	7.6	0	-1327	LU 17	-1327	-8821	-68363	-6976	-8821	1	Si
197	0.06	7.6	0	-1522	LU 17	-1522	-8821	-68363	-6976	-8821	1	Si
206	0.06	7.6	0	-1619	LU 17	-1619	-8821	-68363	-6976	-8821	1	Si
223	0.06	7.6	0	-1814	LU 17	-1814	-8821	-68363	-6976	-8821	1	Si
237	0.06	7.6	0	-1977	LU 17	-1977	-8821	-68363	-6976	-8821	1	Si
240	0	7.6	0	-2009	LU 17	-2009	-8821	-68363	0	-8821	1	Si
249	0	7.6	0	-2106	LU 17	-2106	-8821	-68363	0	-8821	1	Si
257	0	10.62	0	-2204	LU 17	-2204	-9859	-68363	0	-9859	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	99528	9	99528	3.8	124.5	148.7	1837	50810	2	50810	2	93.4	0	+∞	Si
17	109300	9	109300	4.2	124.5	163.3	1837	60544	2	60544	2.3	93.4	0	+∞	Si
20	110603	9	120879	4.7	124.5	180.6	1837	61895	2	73103	2.8	93.4	0	+∞	Si
34	116567	9	124295	4.8	124.5	188.6	1837	68216	2	76441	3	93.4	0	+∞	Si
51	121613	3	126505	5.1	124.5	213.1	1837	73824	2	78557	3.2	93.4	0	+∞	Si
60	123691	3	126837	5.2	124.5	226.3	1837	75855	2	78853	3.3	93.4	0	+∞	Si
77	126300	3	126846	3.3	124.5	49.6	1837	78370	2	78853	3.5	93.4	0	+∞	Si
94	126846	3	126846	3.3	124.5	49.6	1837	78821	2	78853	3.5	93.4	0	+∞	Si
112	125329	3	126846	3.3	124.5	49.6	1837	77210	2	78853	3.5	93.4	0	+∞	Si
129	121749	3	126539	3.3	124.5	49.5	1837	73536	2	78485	3.5	93.4	0	+∞	Si
146	116106	3	124389	3.2	124.5	48.6	1837	67799	2	76242	3.4	93.4	0	+∞	Si
163	108401	3	120177	3.1	124.5	47	1837	59999	2	71935	3.2	93.4	0	+∞	Si
180	98945	2	113902	3	124.5	44.5	1837	50136	2	65566	2.9	93.4	0	+∞	Si
197	88465	2	105564	2.6	124.5	40.4	1837	38211	2	57133	1.8	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
206	82452	2	100673	2.5	124.5	38.4	1837	31474	2	52143	2.2	93.4	0	+∞	Si
223	68877	2	90592	2.2	124.5	34.3	1837	16455	2	40617	1.7	93.4	0	+∞	Si
223	-21245	8	-41380	1.5	124.5	51.3	1837	-6012	1	-20708	0.7	93.4	0	+∞	Si
237	55906	2	80603	1.9	124.5	30.3	1837	2276	2	29421	1.2	93.4	0	+∞	Si
237	-41380	8	-41380	1.4	124.5	46.9	1837	-20708	1	-20708	0.7	93.4	0	+∞	Si
240	53240	2	53240	1.3	124.5	20	1837								Si
240	-45483	8	-45225	1.6	124.5	51.3	1837	-23715	1	-23529	0.8	93.4	0	+∞	Si
257	35540	2	35540	0.8	124.5	13.4	1837								Si
257	-72226	8	-55988	2	124.5	63.5	1837	-43480	1	-31422	1.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
17	0.001	0	0.001	0	0.001	0	0	0	0	0	0.001	2	0.001	2	9999	Si
20	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.001	2	0.001	2	9999	Si
34	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
51	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
60	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
77	0.003	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.003	2	0.002	2	9999	Si
94	0.003	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.004	2	0.003	2	9999	Si
112	0.003	0.001	0.003	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.004	2	0.003	2	9999	Si
120	0.003	0.001	0.003	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.004	2	0.003	2	9999	Si
129	0.003	0.001	0.003	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.004	2	0.003	2	9999	Si
146	0.003	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.004	2	0.003	2	9999	Si
163	0.003	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	0.003	2	0.002	2	9999	Si
180	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
197	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
206	0.002	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
223	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.001	2	0.001	2	9999	Si
237	0.001	0	0.001	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si
240	0.001	0	0.001	0	0	0	0	0	0	0	0.001	2	0	2	9999	Si

Campata 11 tra i fili 24 - 25, sezione R 40x70, asta 1223

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	7.6	5.4						-301147	LU 17	-269230	-1865528	0.096	Si
20	15.21	5.4	7.6	5.4	-29181	LU 2	4796	963633	0.08	-239582	LU 17	-239582	-1865528	0.096	Si
40	13.32	5.4	7.6	5.4	-5150	LU 2	24757	963522	0.08	-182558	LU 17	-239582	-1642002	0.091	Si
60	11.43	5.4	7.6	5.4	16081	LU 2	41918	963380	0.08	-130100	LU 13	-207904	-1418206	0.086	Si
70	7.6	5.4	7.6	5.4	25647	LU 2	49449	962923	0.078	-107796	LU 13	-180065	-962923	0.078	Si
80	7.6	5.4	7.6	5.4	34512	LU 2	56279	962923	0.078	-86402	LU 13	-153360	-962923	0.078	Si
90	7.6	5.4	7.6	5.4	42677	LU 2	62410	962923	0.078	-65917	LU 13	-128026	-962923	0.078	Si
110	7.6	5.4	7.6	5.4	56908	LU 2	79142	962923	0.078	-27679	LU 13	-84497	-962923	0.078	Si
130	7.6	5.4	7.6	5.4	71622	LU 11	93162	962923	0.078	3636	LU 4	-44608	-962923	0.078	Si
150	7.6	5.4	7.6	5.4	87294	LU 11	106167	962923	0.078	27554	LU 4	-8359	-962923	0.078	Si
170	7.6	5.4	7.6	5.4	100046	LU 16	116471	962923	0.078						Si
190	7.6	5.4	7.6	5.4	112409	LU 16	128313	962923	0.078						Si
210	7.6	5.4	7.6	5.4	121599	LU 15	139923	962923	0.078						Si
230	7.6	5.4	7.6	5.4	135268	LU 15	147022	962923	0.078						Si
240	7.6	5.4	7.6	5.4	140400	LU 15	150986	962923	0.078						Si
260	7.6	5.4	7.6	5.4	147468	LU 10	152090	962923	0.078						Si
272	7.6	5.4	7.6	5.4	152090	LU 10	152090	962923	0.078						Si
280	7.6	5.4	7.6	5.4	154317	LU 10	154160	962923	0.078						Si
300	7.6	5.4	7.6	5.4	157525	LU 10	156485	962923	0.078						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.43	0	3192	LU 17	3192	10106	68363	0	10106	1	Si
10	0	7.6	0	3078	LU 17	3078	8821	68363	0	8821	1	Si
20	0.064	7.6	0	2965	LU 17	2965	8821	68363	7395	8821	1	Si
40	0.064	7.6	0	2738	LU 17	2738	8821	68363	7395	8821	1	Si
60	0.064	7.6	0	2511	LU 17	2511	8821	68363	7395	8821	1	Si
80	0.064	7.6	0	2284	LU 17	2284	8821	68363	7395	8821	1	Si
90	0.064	7.6	0	2170	LU 17	2170	8821	68363	7395	8821	1	Si
110	0.064	7.6	0	1943	LU 17	1943	8821	68363	7395	8821	1	Si
130	0.064	7.6	0	1716	LU 17	1716	8821	68363	7395	8821	1	Si
150	0.064	7.6	0	1489	LU 17	1489	8821	68363	7395	8821	1	Si
170	0.064	7.6	0	1275	LU 13	1275	8821	68363	7395	8821	1	Si
190	0.064	7.6	0	1093	LU 13	1093	8821	68363	7395	8821	1	Si
210	0.064	7.6	0	911	LU 13	911	8821	68363	7395	8821	1	Si
210	0.064	7.6	0	-58	LU 2	-58	-8821	-68363	-7395	-8821	1	Si
230	0.064	7.6	0	729	LU 13	729	8821	68363	7395	8821	1	Si
230	0.064	7.6	0	-198	LU 2	-198	-8821	-68363	-7395	-8821	1	Si
240	0.064	7.6	0	638	LU 13	638	8821	68363	7395	8821	1	Si
240	0.064	7.6	0	-268	LU 2	-268	-8821	-68363	-7395	-8821	1	Si
260	0.064	7.6	0	456	LU 13	456	8821	68363	7395	8821	1	Si
260	0.064	7.6	0	-408	LU 2	-408	-8821	-68363	-7395	-8821	1	Si
272	0.064	7.6	0	342	LU 13	342	8821	68363	7395	8821	1	Si
272	0.064	7.6	0	-506	LU 7	-506	-8821	-68363	-7395	-8821	1	Si
280	0	7.6	0	274	LU 13	274	8821	68363	0	8821	1	Si
280	0	7.6	0	-575	LU 7	-575	-8821	-68363	0	-8821	1	Si
300	0	7.6	0	92	LU 13	92	8821	68363	0	8821	1	Si
300	0	7.6	0	-760	LU 7	-760	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-228745	8	-204595	7.2	124.5	231.9	1837	-209850	1	-188316	6.6	93.4	0	+∞	Si
20	-182146	8	-182146	6.4	124.5	206.4	1837	-168182	1	-168182	5.9	93.4	0	+∞	Si
40	-138947	8	-182146	6.7	124.5	234.4	1837	-129313	1	-168182	6.2	93.4	0	+∞	Si
60	-99166	4	-158152	6.1	124.5	235.7	1837	-93245	1	-146623	5.7	93.4	0	+∞	Si
80	3016	2	31971	0.8	124.5	12.5	1837								Si
80	-65598	4	-116812	3	124.5	45.7	1837	-59977	1	-109285	4.9	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
90	13654	2	40575	1.1	124.5	15.9	1837								Si
90	-49864	4	-97572	2.5	124.5	38.1	1837	-44393	1	-91666	4.1	93.4	0	+∞	Si
110	32831	2	55682	1.5	124.5	21.8	1837								Si
110	-20496	4	-64135	1.7	124.5	25.1	1837	-15325	1	-58528	2.6	93.4	0	+∞	Si
130	49207	2	67989	1.8	124.5	26.6	1837	22423	2	51268	2.3	93.4	0	+∞	Si
150	62784	2	79245	2.1	124.5	31	1837	42923	2	67699	3	93.4	0	+∞	Si
170	74041	7	88327	2.3	124.5	34.5	1837	60624	2	81330	3.6	93.4	0	+∞	Si
190	84665	7	98061	2.6	124.5	38.3	1837	75525	2	93897	4.2	93.4	0	+∞	Si
210	92802	6	107268	2.8	124.5	41.9	1837	88016	1	104896	4.7	93.4	0	+∞	Si
230	103550	6	113094	2.9	124.5	44.2	1837	100285	1	113094	5.1	93.4	0	+∞	Si
240	107649	6	116143	3	124.5	45.4	1837	105369	1	116143	5.2	93.4	0	+∞	Si
260	113437	1	116992	3	124.5	45.7	1837	113437	1	116992	5.2	93.4	0	+∞	Si
272	116992	1	116992	3	124.5	45.7	1837	116992	1	116992	5.2	93.4	0	+∞	Si
280	118705	1	118585	3.1	124.5	46.4	1837	118705	1	118585	5.3	93.4	0	+∞	Si
300	121173	1	120373	3.1	124.5	47	1837	121173	1	120373	5.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	0	0	0	0	0	0	0	0	0	0	2	-0.001	2	9999	Si
40	0	0	0	0	0	0	0	0	0	0	0	2	-0.001	2	9999	Si
60	0.001	0	0.001	0	0	0	0	0	0	0	0	2	-0.001	2	9999	Si
80	0.001	0	0.001	0	0.001	0	0	0	0	0	0	2	0	2	9999	Si
90	0.001	0	0.001	0	0.001	0	0	0	0	0	0.001	2	0	2	9999	Si
110	0.001	0	0.001	0	0.001	0	0.001	0	0.001	0	0.001	2	0.001	2	9999	Si
130	0.002	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.002	2	0.001	2	9999	Si
150	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
170	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
190	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
200	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
210	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
230	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
240	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
260	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
272	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
280	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si

Trave a "Piano 2" (2989; 3971)-29

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 26 - ?, sezione R 40x70, asta 1182

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4	7016	LU 2	7016	1414397	0.086	-40342	LU 17	-13658	-1414397	0.086	Si
20	11.4	5.4	11.4	5.4	59184	LU 11	129697	1414397	0.086						Si
56	11.4	5.4	11.4	5.4	146788	LU 11	212148	1414397	0.086						Si
113	7.6	5.4	11.4	5.4	274390	LU 16	331641	1414576	0.086						Si
169	7.6	5.4	11.4	5.4	377300	LU 16	416868	1414576	0.086						Si
225	7.6	5.4	10.98	5.4	445944	LU 16	467830	1364288	0.085						Si
254	7.6	5.4	7.6	5.4	467416	LU 16	480461	962923	0.078						Si
310	7.6	5.4	7.6	5.4	484662	LU 16	484662	962923	0.078						Si
366	7.6	5.4	7.6	5.4	467641	LU 16	480570	962923	0.078						Si
423	7.6	5.4	7.6	5.4	416949	LU 15	456845	962923	0.078						Si
479	7.6	5.4	7.6	5.4	332256	LU 17	431288	962923	0.078						Si
535	7.6	5.4	7.6	5.4	213324	LU 17	354609	962923	0.078						Si
592	7.6	5.4	7.6	5.4	60123	LU 17	226807	962923	0.078	19274	LU 2	-55456	-962923	0.078	Si
648	7.6	5.4	7.6	5.4	-96474	LU 8	47881	962923	0.078	-138919	LU 11	-242219	-962923	0.078	Si
676	7.6	5.4	7.6	5.4						-238512	LU 16	-358093	-962923	0.078	Si
732	11.4	5.4	7.6	5.4						-478277	LU 16	-615543	-1414575	0.086	Si
761	11.4	5.4	7.6	5.4						-611011	LU 16	-757119	-1414576	0.086	Si
789	15.58	5.4	7.6	5.4						-752313	LU 16	-907263	-1910092	0.097	Si
825	19.01	5.4	7.6	5.4						-948120	LU 16	-948120	-2315301	0.107	Si
845	19.01	5.4	7.6	5.4						-1060619	LU 16	-1003566	-2315301	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	3353	LU 17	3353	10097	68363	0	10097	1	Si
20	0.061	11.4	0	3138	LU 17	3138	10097	68363	7104	10097	1	Si
56	0.061	11.4	0	2747	LU 17	2747	10097	68363	7104	10097	1	Si
113	0.061	11.4	0	2140	LU 17	2140	10097	68363	7104	10097	1	Si
169	0.061	10.98	0	1534	LU 17	1534	9970	68363	7104	9970	1	Si
225	0.061	7.6	0	927	LU 17	927	8821	68363	7104	8821	1	Si
254	0.061	7.6	0	624	LU 17	624	8821	68363	7104	8821	1	Si
310	0.061	7.6	0	36	LU 8	36	8821	68363	7104	8821	1	Si
310	0.061	7.6	0	-96	LU 11	-96	-8821	-68363	-7104	-8821	1	Si
366	0.061	7.6	0	-610	LU 11	-610	-8821	-68363	-7104	-8821	1	Si
423	0.061	7.6	0	-1211	LU 16	-1211	-8821	-68363	-7104	-8821	1	Si
479	0.061	7.6	0	-1818	LU 16	-1818	-8821	-68363	-7104	-8821	1	Si
535	0.061	7.6	0	-2424	LU 16	-2424	-8821	-68363	-7104	-8821	1	Si
592	0.061	7.6	0	-3031	LU 16	-3031	-8821	-68363	-7104	-8821	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
648	0.061	7.6	0	-3637	LU 16	-3637	-8821	-68363	-7104	-8821	1	Si
676	0.061	7.6	0	-3940	LU 16	-3940	-8821	-68363	-7104	-8821	1	Si
732	0.061	7.6	0	-4547	LU 16	-4547	-8821	-68363	-7104	-8821	1	Si
789	0.061	11.4	0	-5153	LU 16	-5153	-10097	-68363	-7104	-10097	1	Si
825	0.061	11.4	0	-5545	LU 16	-5545	-10097	-68363	-7104	-10097	1	Si
845	0	15.58	0	-5760	LU 16	-5760	-11204	-68363	0	-11204	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	4619	2	4619	0.2	124.5	6.9	1837	1264	2	1264	0	93.4	0	+∞	Si
0	-26918	8	-2262	0.1	124.5	3.4	1837	-174	1	-174	0	93.4	0	+∞	Si
20	44828	2	99125	3.6	124.5	147.6	1837	41650	2	96205	3.5	93.4	0	+∞	Si
56	112287	2	162140	5.9	124.5	241.4	1837	109431	2	156422	5.7	93.4	0	+∞	Si
113	208826	7	251736	9.7	124.5	376.1	1837	195253	2	230713	8.9	93.4	0	+∞	Si
169	285924	7	315509	12.2	124.5	471.4	1837	258729	2	282657	10.9	93.4	0	+∞	Si
225	337200	7	353458	13.8	124.5	547.7	1837	299859	2	312256	12.2	93.4	0	+∞	Si
254	353154	7	362749	9.5	124.5	141.8	1837	312045	2	318676	14.3	93.4	0	+∞	Si
310	365694	7	365694	9.5	124.5	142.9	1837	319656	2	319656	14.3	93.4	0	+∞	Si
366	352411	7	362390	9.4	124.5	141.6	1837	304922	2	315229	14.1	93.4	0	+∞	Si
423	313701	6	336748	8.8	124.5	131.6	1837	268013	1	289740	13	93.4	0	+∞	Si
479	249344	8	285669	7.4	124.5	111.7	1837	208802	1	242060	10.9	93.4	0	+∞	Si
535	159182	8	208833	5.4	124.5	81.6	1837	127245	1	172035	7.7	93.4	0	+∞	Si
592	43194	8	106173	2.8	124.5	41.5	1837	23342	1	79663	3.6	93.4	0	+∞	Si
648	-106334	2	-185064	4.8	124.5	72.3	1837	-103934	2	-178021	8	93.4	0	+∞	Si
676	-182262	7	-272615	7.1	124.5	106.6	1837	-175546	2	-255398	11.5	93.4	0	+∞	Si
732	-363408	7	-467089	18	124.5	697.8	1837	-335527	2	-426911	16.5	93.4	0	+∞	Si
789	-570380	7	-687388	23.8	124.5	761	1837	-517854	2	-620769	21.5	93.4	0	+∞	Si
825	-718237	7	-718237	23.3	124.5	657.7	1837	-647879	2	-647879	21.1	93.4	0	+∞	Si
845	-803179	7	-760103	24.7	124.5	696	1837	-722527	2	-684678	22.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.011	2	9999	Si
56	0.015	0.013	0.013	0.012	0.013	0.013	0.012	0.012	0.013	0.013	0.03	2	0.03	2	9999	Si
113	0.029	0.025	0.025	0.022	0.025	0.025	0.022	0.022	0.025	0.025	0.057	2	0.057	2	9999	Si
169	0.041	0.035	0.036	0.031	0.036	0.035	0.031	0.031	0.036	0.035	0.081	2	0.081	2	9999	Si
225	0.05	0.043	0.044	0.038	0.043	0.043	0.038	0.038	0.043	0.043	0.098	2	0.098	2	8602	Si
254	0.053	0.046	0.047	0.04	0.046	0.046	0.04	0.04	0.046	0.046	0.105	2	0.105	2	8076	Si
310	0.057	0.049	0.05	0.043	0.049	0.049	0.043	0.043	0.049	0.049	0.112	1	0.112	1	7541	Si
338	0.058	0.049	0.051	0.044	0.049	0.049	0.044	0.044	0.049	0.049	0.113	1	0.113	1	7477	Si
366	0.057	0.049	0.051	0.043	0.049	0.049	0.043	0.043	0.049	0.049	0.112	1	0.112	1	7533	Si
423	0.054	0.046	0.048	0.04	0.046	0.046	0.041	0.04	0.046	0.046	0.105	1	0.105	1	8023	Si
479	0.048	0.04	0.042	0.035	0.041	0.04	0.035	0.035	0.041	0.04	0.092	1	0.092	1	9149	Si
535	0.04	0.033	0.035	0.028	0.033	0.033	0.029	0.028	0.033	0.033	0.075	1	0.074	1	9999	Si
592	0.03	0.024	0.026	0.02	0.024	0.024	0.021	0.02	0.024	0.024	0.054	1	0.054	1	9999	Si
648	0.019	0.014	0.016	0.012	0.015	0.015	0.012	0.012	0.015	0.015	0.033	1	0.033	1	9999	Si
676	0.014	0.01	0.012	0.008	0.01	0.01	0.009	0.009	0.01	0.01	0.023	1	0.023	1	9999	Si
732	0.005	0.003	0.004	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.007	1	0.007	1	9999	Si
789	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
825	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Campata 3 tra i fili ? - 28, sezione R 40x70, asta 1181

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-837662	LU 18	-791564	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-746594	LU 18	-746594	-2315301	0.107	Si
59	14.54	5.4	8.88	5.4						-578354	LU 18	-701515	-1786795	0.093	Si
118	7.6	5.4	7.6	5.4						-356419	LU 18	-461166	-962923	0.078	Si
177	7.6	5.4	7.6	5.4						-171855	LU 18	-258188	-962923	0.078	Si
206	7.6	5.4	7.6	5.4	-68339	LU 1	53590	962923	0.078	-95218	LU 12	-170714	-962923	0.078	Si
265	7.6	5.4	7.6	5.4	38217	LU 17	249811	962923	0.078	9422	LU 2	-36069	-962923	0.078	Si
324	7.6	5.4	7.6	5.4	128276	LU 17	389970	962923	0.078						Si
383	7.6	5.4	7.6	5.4	180962	LU 17	474069	962923	0.078						Si
442	7.6	5.4	7.6	5.4	196272	LU 17	502105	962923	0.078						Si
501	7.6	5.4	7.6	5.4	175189	LU 18	474078	962923	0.078						Si
560	7.6	5.4	7.6	5.4	116819	LU 18	389986	962923	0.078						Si
619	7.6	5.4	7.6	5.4	21885	LU 9	249831	962923	0.078	-3525	LU 10	-56048	-962923	0.078	Si
649	7.6	5.4	7.6	5.4	-27704	LU 9	158728	962923	0.078	-56825	LU 10	-117153	-962923	0.078	Si
708	7.6	5.4	7.6	5.4						-198568	LU 15	-287786	-962923	0.078	Si
767	11.4	5.4	7.6	5.4						-388987	LU 15	-496621	-1414575	0.086	Si
826	15.33	5.4	7.6	5.4						-616785	LU 15	-742836	-1880346	0.096	Si
865	19.01	5.4	7.6	5.4						-788903	LU 15	-788903	-2315301	0.107	Si
885	19.01	5.4	7.6	5.4						-881961	LU 15	-834869	-2315301	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	14.54	0	4712	LU 18	4712	10949	68363	0	10949	1	Si
20	0.061	9.23	0	4497	LU 18	4497	9408	68363	7044	9408	1	Si
59	0.061	7.6	0	4078	LU 18	4078	8821	68363	7044	8821	1	Si
118	0.061	7.6	0	3445	LU 18	3445	8821	68363	7044	8821	1	Si
177	0.061	7.6	0	2811	LU 18	2811	8821	68363	7044	8821	1	Si
206	0.061	7.6	0	2495	LU 18	2495	8821	68363	7044	8821	1	Si
265	0.061	7.6	0	1861	LU 18	1861	8821	68363	7044	8821	1	Si
324	0.061	7.6	0	1228	LU 18	1228	8821	68363	7044	8821	1	Si
383	0.061	7.6	0	594	LU 18	594	8821	68363	7044	8821	1	Si
442	0.061	7.6	0	-62	LU 10	-62	-8821	-68363	-7044	-8821	1	Si
501	0.061	7.6	0	-693	LU 15	-693	-8821	-68363	-7044	-8821	1	Si
560	0.061	7.6	0	-1327	LU 15	-1327	-8821	-68363	-7044	-8821	1	Si
619	0.061	7.6	0	-1960	LU 15	-1960	-8821	-68363	-7044	-8821	1	Si
649	0.061	7.6	0	-2277	LU 15	-2277	-8821	-68363	-7044	-8821	1	Si
708	0.061	7.6	0	-2911	LU 15	-2911	-8821	-68363	-7044	-8821	1	Si
767	0.061	7.6	0	-3544	LU 15	-3544	-8821	-68363	-7044	-8821	1	Si
826	0.061	11.4	0	-4178	LU 15	-4178	-10097	-68363	-7044	-10097	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
865	0.061	11.4	0	-4597	LU 15	-4597	-10097	-68363	-7044	-10097	1	Si
885	0	15.33	0	-4811	LU 15	-4811	-11143	-68363	0	-11143	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-631628	9	-596918	19.4	124.5	546.6	1837	-551217	2	-521331	16.9	93.4	0	+∞	Si
20	-563058	9	-563058	18.3	124.5	515.6	1837	-492180	2	-492180	16	93.4	0	+∞	Si
59	-436388	9	-529116	18.4	124.5	624.8	1837	-383150	2	-462957	16.1	93.4	0	+∞	Si
118	-269311	9	-348163	9.1	124.5	136.1	1837	-239450	2	-307251	13.8	93.4	0	+∞	Si
177	-130399	9	-195373	5.1	124.5	76.4	1837	-120117	2	-175912	7.9	93.4	0	+∞	Si
206	-72591	3	-129540	3.4	124.5	50.6	1837	-69588	2	-119381	5.4	93.4	0	+∞	Si
265	27363	8	64232	1.7	124.5	25.1	1837	14137	1	45770	2.1	93.4	0	+∞	Si
324	95151	8	118142	3.1	124.5	46.2	1837	72247	1	91873	4.1	93.4	0	+∞	Si
383	134773	8	143888	3.7	124.5	56.2	1837	105989	1	113610	5.1	93.4	0	+∞	Si
442	146230	8	146230	3.8	124.5	57.2	1837	115365	1	115365	5.2	93.4	0	+∞	Si
501	130176	9	141526	3.7	124.5	55.3	1837	100653	2	110891	5	93.4	0	+∞	Si
560	86014	9	111243	2.9	124.5	43.5	1837	61601	2	83844	3.8	93.4	0	+∞	Si
619	13687	9	52793	1.4	124.5	20.6	1837								Si
619	-2711	1	-43114	1.1	124.5	16.9	1837	-2711	1	-43114	1.9	93.4	0	+∞	Si
649	-43712	1	-90117	2.3	124.5	35.2	1837	-43712	1	-90117	4	93.4	0	+∞	Si
708	-151577	6	-218844	5.7	124.5	85.5	1837	-143988	1	-202399	9.1	93.4	0	+∞	Si
767	-295142	6	-376287	14.5	124.5	562.2	1837	-268631	1	-339048	13.1	93.4	0	+∞	Si
826	-466875	6	-561899	19.6	124.5	631.9	1837	-417641	1	-500064	17.4	93.4	0	+∞	Si
865	-596626	6	-596626	19.4	124.5	546.3	1837	-530181	1	-530181	17.2	93.4	0	+∞	Si
885	-666777	6	-631277	20.5	124.5	578.1	1837	-591018	1	-560232	18.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
59	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.013	1	-0.013	1	9999	Si
118	-0.006	-0.007	-0.006	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.017	1	-0.017	1	9999	Si
177	-0.004	-0.006	-0.005	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.015	1	-0.016	1	9999	Si
206	-0.003	-0.005	-0.004	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.013	1	-0.013	1	9999	Si
265	0.001	-0.002	-0.001	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.008	1	-0.008	1	9999	Si
324	0.004	0	0.002	-0.001	0	0	-0.001	-0.001	0	0	-0.002	1	-0.003	1	9999	Si
383	0.006	0.002	0.003	0	0.002	0.002	0	0	0.002	0.002	0.001	1	0.001	1	9999	Si
442	0.006	0.002	0.004	0	0.002	0.002	0	0	0.002	0.002	0.002	1	0.002	1	9999	Si
501	0.005	0.001	0.003	0	0.001	0.001	0	0	0.001	0.001	0	2	0	2	9999	Si
560	0.003	-0.001	0.001	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.005	2	-0.005	2	9999	Si
619	0	-0.003	-0.002	-0.004	-0.003	-0.003	-0.004	-0.004	-0.003	-0.003	-0.011	2	-0.011	2	9999	Si
649	-0.002	-0.005	-0.003	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.014	2	-0.014	2	9999	Si
708	-0.005	-0.007	-0.006	-0.008	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.019	2	-0.019	2	9999	Si
767	-0.007	-0.008	-0.007	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.02	2	-0.02	2	9999	Si
826	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.015	2	-0.015	2	9999	Si
865	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si

Campata 4 tra i fili 28 - 29, sezione R 40x70, asta 1180

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	7.6	5.4						-1020642	LU 15	-965099	-2315301	0.107	Si
20	19.01	5.4	7.6	5.4						-910764	LU 15	-910764	-2315301	0.107	Si
57	15.47	5.4	8.78	5.4						-713620	LU 15	-864451	-1896904	0.095	Si
86	11.4	5.4	7.6	5.4						-573422	LU 15	-715279	-1414576	0.086	Si
115	11.4	5.4	7.6	5.4						-442101	LU 15	-574983	-1414575	0.086	Si
172	7.6	5.4	7.6	5.4						-206087	LU 15	-321019	-962923	0.078	Si
230	7.6	5.4	7.6	5.4	5986	LU 9	152018	962923	0.078	-27586	LU 10	-111665	-962923	0.078	Si
259	7.6	5.4	7.6	5.4	86013	LU 18	237698	962923	0.078	36894	LU 1	-28511	-962923	0.078	Si
316	7.6	5.4	7.6	5.4	232170	LU 18	369115	962923	0.078						Si
374	7.6	5.4	7.6	5.4	342822	LU 18	447272	962923	0.078						Si
431	7.6	5.4	7.6	5.4	417967	LU 18	472170	962923	0.078						Si
489	7.6	5.4	7.6	5.4	457657	LU 16	464381	962923	0.078						Si
546	7.6	5.4	7.6	5.4	462555	LU 15	464381	962923	0.078						Si
604	7.6	5.4	7.6	5.4	432271	LU 15	451970	962923	0.078						Si
661	7.6	5.4	7.6	5.4	366478	LU 15	404130	962923	0.078						Si
690	7.6	5.4	7.6	5.4	320266	LU 15	366894	962923	0.078						Si
747	7.6	5.4	7.6	5.4	201209	LU 15	265789	962923	0.078						Si
805	7.6	5.4	7.6	5.4	54267	LU 10	129175	962923	0.078	28377	LU 9	-51360	-962923	0.078	Si
835	7.6	5.4	7.6	5.4	-18616	LU 1	51844	962923	0.078	-54596	LU 18	-54596	-962923	0.078	Si
862	7.6	5.4	7.6	5.4						-150271	LU 18	-100495	-962923	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.47	0	5648	LU 15	5648	11178	68363	0	11178	1	Si
20	0.06	11.4	0	5433	LU 15	5433	10097	68363	7017	10097	1	Si
57	0.06	11.4	0	5031	LU 15	5031	10097	68363	7017	10097	1	Si
115	0.06	7.6	0	4413	LU 15	4413	8821	68363	7017	8821	1	Si
172	0.06	7.6	0	3796	LU 15	3796	8821	68363	7017	8821	1	Si
230	0.06	7.6	0	3178	LU 15	3178	8821	68363	7017	8821	1	Si
259	0.06	7.6	0	2870	LU 15	2870	8821	68363	7017	8821	1	Si
316	0.06	7.6	0	2252	LU 15	2252	8821	68363	7017	8821	1	Si
374	0.06	7.6	0	1635	LU 15	1635	8821	68363	7017	8821	1	Si
431	0.06	7.6	0	1017	LU 15	1017	8821	68363	7017	8821	1	Si
489	0.06	7.6	0	404	LU 10	404	8821	68363	7017	8821	1	Si
546	0.06	7.6	0	-237	LU 18	-237	-8821	-68363	-7017	-8821	1	Si
604	0.06	7.6	0	-854	LU 18	-854	-8821	-68363	-7017	-8821	1	Si
661	0.06	7.6	0	-1472	LU 18	-1472	-8821	-68363	-7017	-8821	1	Si
690	0.06	7.6	0	-1781	LU 18	-1781	-8821	-68363	-7017	-8821	1	Si
747	0.06	7.6	0	-2398	LU 18	-2398	-8821	-68363	-7017	-8821	1	Si
805	0.06	7.6	0	-3016	LU 18	-3016	-8821	-68363	-7017	-8821	1	Si
835	0.06	7.6	0	-3338	LU 18	-3338	-8821	-68363	-7017	-8821	1	Si
862	0	7.6	0	-3634	LU 18	-3634	-8821	-68363	0	-8821	1	Si

Verifiche delle tensioni in esercizio

x	Rara	Quasi permanente	Verifica

	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-773019	6	-731096	23.8	124.5	669.5	1837	-694431	1	-657723	21.4	93.4	0	+∞	Si
20	-690083	6	-690083	21.8	124.5	631.9	1837	-621803	1	-621803	20.2	93.4	0	+∞	Si
57	-541268	6	-655126	21.8	124.5	729.1	1837	-491413	1	-591191	20.2	93.4	0	+∞	Si
115	-336273	6	-436604	16.9	124.5	652.3	1837	-311538	1	-399616	15.4	93.4	0	+∞	Si
172	-158032	6	-244837	6.4	124.5	95.7	1837	-154807	1	-231184	10.4	93.4	0	+∞	Si
230	-21220	1	-85896	2.2	124.5	33.6	1837	-21220	1	-85896	3.9	93.4	0	+∞	Si
259	62261	9	121495	3.2	124.5	47.5	1837	38002	2	90720	4.1	93.4	0	+∞	Si
316	172882	9	218589	5.7	124.5	85.4	1837	136620	2	177638	8	93.4	0	+∞	Si
374	256747	9	288926	7.5	124.5	112.9	1837	212094	2	241411	10.8	93.4	0	+∞	Si
431	313855	9	332507	8.7	124.5	130	1837	264424	2	282041	12.7	93.4	0	+∞	Si
489	344241	7	349529	9.1	124.5	136.6	1837	293611	2	299561	13.4	93.4	0	+∞	Si
546	348345	6	349529	9.1	124.5	136.6	1837	299814	1	299814	13.4	93.4	0	+∞	Si
604	325909	6	340560	8.9	124.5	133.1	1837	282967	1	294345	13.2	93.4	0	+∞	Si
661	276715	6	304894	7.9	124.5	119.2	1837	242975	1	266054	11.9	93.4	0	+∞	Si
690	242084	6	277026	7.2	124.5	108.3	1837	214301	1	243230	10.9	93.4	0	+∞	Si
747	152752	6	201223	5.2	124.5	78.7	1837	139594	1	180224	8.1	93.4	0	+∞	Si
805	41744	1	98660	2.6	124.5	38.6	1837	41744	1	94074	4.2	93.4	0	+∞	Si
835	-38879	9	-38879	1	124.5	15.2	1837	-20050	2	-20050	0.9	93.4	0	+∞	Si
862	-110748	9	-73353	1.9	124.5	28.7	1837	-80805	2	-49164	2.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
57	0	-0.001	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	2	-0.001	2	9999	Si
115	0.006	0.004	0.005	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
172	0.015	0.011	0.013	0.009	0.011	0.011	0.01	0.009	0.011	0.011	0.025	2	0.025	2	9999	Si
230	0.026	0.02	0.022	0.017	0.02	0.02	0.017	0.017	0.02	0.02	0.046	2	0.046	2	9999	Si
259	0.031	0.025	0.027	0.021	0.025	0.025	0.022	0.021	0.025	0.025	0.057	2	0.056	2	9999	Si
316	0.041	0.033	0.036	0.029	0.033	0.033	0.029	0.029	0.033	0.033	0.077	2	0.077	2	9999	Si
374	0.049	0.04	0.044	0.036	0.041	0.04	0.036	0.036	0.041	0.04	0.094	2	0.094	2	9180	Si
431	0.055	0.046	0.049	0.04	0.046	0.046	0.041	0.04	0.046	0.046	0.106	2	0.106	2	8138	Si
489	0.058	0.048	0.051	0.043	0.048	0.048	0.043	0.043	0.048	0.048	0.112	2	0.112	2	7720	Si
517	0.057	0.048	0.051	0.043	0.048	0.048	0.043	0.043	0.048	0.048	0.112	2	0.112	2	7702	Si
546	0.056	0.047	0.05	0.042	0.048	0.047	0.042	0.042	0.048	0.047	0.11	2	0.11	2	7808	Si
604	0.052	0.044	0.046	0.039	0.044	0.044	0.039	0.039	0.044	0.044	0.102	2	0.102	2	8451	Si
661	0.044	0.037	0.039	0.033	0.037	0.037	0.033	0.033	0.037	0.037	0.087	2	0.087	2	9921	Si
690	0.039	0.033	0.035	0.03	0.033	0.033	0.03	0.03	0.033	0.033	0.077	1	0.077	1	9999	Si
747	0.027	0.023	0.024	0.021	0.023	0.023	0.021	0.021	0.023	0.023	0.054	1	0.054	1	9999	Si
805	0.014	0.012	0.012	0.01	0.012	0.012	0.011	0.01	0.012	0.012	0.027	1	0.027	1	9999	Si
835	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	1	0.013	1	9999	Si

Trave a "Piano Terra" 9-(4161; 4896)

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x50	Rettangolare	30	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 9 - 2, sezione R 30x50, asta 925

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-124996	LU 10	-95726	-644450	0.121	Si
24	7.6	5.4	11.4	5.4						-92826	LU 10	-87483	-644450	0.121	Si
45	7.6	5.4	11.4	5.4	1902	LU 9	14074	943473	0.135	-66935	LU 10	-66935	-644450	0.121	Si
72	7.6	5.4	11.4	5.4	18160	LU 9	28501	943473	0.135	-35890	LU 10	-58488	-644450	0.121	Si
96	7.6	5.4	11.4	5.4	30472	LU 9	40976	943473	0.135	-11124	LU 10	-31665	-644450	0.121	Si
108	7.6	5.4	11.4	5.4	35992	LU 18	48036	943473	0.135	257	LU 1	-19179	-644450	0.121	Si
132	7.6	5.4	11.4	5.4	50317	LU 18	60303	943473	0.135						Si
157	7.6	5.4	11.4	5.4	62174	LU 18	70103	943473	0.135						Si
181	7.6	5.4	11.4	5.4	71563	LU 18	77644	943473	0.135						Si
205	7.6	5.4	11.4	5.4	78766	LU 12	82944	943473	0.135						Si
229	7.6	5.4	11.4	5.4	83655	LU 12	88349	943473	0.135						Si
253	7.6	5.4	11.4	5.4	89699	LU 10	95016	943473	0.135						Si
265	7.6	5.4	11.4	5.4	93135	LU 10	97424	943473	0.135						Si
289	7.6	5.4	11.4	5.4	98158	LU 10	100389	943473	0.135						Si
313	7.6	5.4	11.4	5.4	100712	LU 10	101063	943473	0.135						Si
331	7.6	5.4	11.4	5.4	100929	LU 10	101063	943473	0.135						Si
337	7.6	5.4	11.4	5.4	100798	LU 10	100798	943473	0.135						Si
361	7.6	5.4	11.4	5.4	98417	LU 10	98417	943473	0.135						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1485	LU 10	1485	6101	35398	0	6101	1	Si
24	0	7.6	0	1375	LU 10	1375	6101	35398	0	6101	1	Si
45	0.157	7.6	0	1280	LU 10	1280	6101	35398	12600	12600	1	Si
72	0.157	7.6	0	1156	LU 10	1156	6101	35398	12600	12600	1	Si
96	0.141	7.6	0	1046	LU 10	1046	6101	35398	11324	11324	1	Si
108	0.141	11.4	0	991	LU 10	991	6984	35398	11324	11324	1	Si
132	0.141	11.4	0	881	LU 10	881	6984	35398	11324	11324	1	Si
157	0.141	11.4	0	772	LU 10	772	6984	35398	11324	11324	1	Si
181	0.141	11.4	0	662	LU 10	662	6984	35398	11324	11324	1	Si
205	0.141	11.4	0	552	LU 10	552	6984	35398	11324	11324	1	Si
229	0.141	11.4	0	443	LU 10	443	6984	35398	11324	11324	1	Si
253	0.141	11.4	0	333	LU 10	333	6984	35398	11324	11324	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
253	0.141	11.4	0	-43	LU 9	-43	-6984	-35398	-11324	-11324	1	Si
265	0.141	11.4	0	278	LU 10	278	6984	35398	11324	11324	1	Si
265	0.141	11.4	0	-86	LU 9	-86	-6984	-35398	-11324	-11324	1	Si
289	0.161	11.4	0	168	LU 10	168	6984	35398	12892	12892	1	Si
289	0.161	11.4	0	-170	LU 9	-170	-6984	-35398	-12892	-12892	1	Si
313	0.161	11.4	0	59	LU 10	59	6984	35398	12892	12892	1	Si
313	0.161	11.4	0	-254	LU 9	-254	-6984	-35398	-12892	-12892	1	Si
331	0.161	11.4	0	-324	LU 18	-324	-6984	-35398	-12892	-12892	1	Si
337	0	11.4	0	-351	LU 18	-351	-6984	-35398	0	-6984	1	Si
361	0	11.4	0	-460	LU 18	-460	-6984	-35398	0	-6984	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-96150	1	-73635	6.4	124.5	242.3	1837	-96150	1	-73635	6.4	93.4	0	+∞	Si
24	-71404	1	-67295	5.8	124.5	221.4	1837	-71404	1	-67295	5.8	93.4	0	+∞	Si
45	-51488	1	-51488	4.5	124.5	169.4	1837	-51488	1	-51488	4.5	93.4	0	+∞	Si
72	2904	9	15118	1.2	124.5	33.7	1837								Si
72	-27608	1	-44991	3.9	124.5	148	1837	-27608	1	-44991	3.9	93.4	0	+∞	Si
96	17462	9	28094	2.3	124.5	62.7	1837								Si
96	-8557	1	-24358	2.1	124.5	80.1	1837	-8557	1	-24358	2.1	93.4	0	+∞	Si
108	24029	9	33869	2.8	124.5	75.6	1837	6439	2	19077	1.6	93.4	0	+∞	Si
132	35739	9	43997	3.6	124.5	98.2	1837	21506	2	32561	2.7	93.4	0	+∞	Si
157	45551	9	52227	4.3	124.5	116.5	1837	34674	2	44147	3.6	93.4	0	+∞	Si
181	53465	9	58697	4.8	124.5	131	1837	45943	2	53834	4.4	93.4	0	+∞	Si
205	59668	3	63420	5.2	124.5	141.5	1837	55315	2	61622	5	93.4	0	+∞	Si
229	64075	3	67961	5.5	124.5	151.6	1837	62787	2	67961	5.5	93.4	0	+∞	Si
253	68999	1	73089	6	124.5	163.1	1837	68999	1	73089	6	93.4	0	+∞	Si
265	71643	1	74942	6.1	124.5	167.2	1837	71643	1	74942	6.1	93.4	0	+∞	Si
289	75506	1	77223	6.3	124.5	172.3	1837	75506	1	77223	6.3	93.4	0	+∞	Si
313	77471	1	77741	6.3	124.5	173.4	1837	77471	1	77741	6.3	93.4	0	+∞	Si
331	77637	1	77741	6.3	124.5	173.4	1837	77637	1	77741	6.3	93.4	0	+∞	Si
337	77537	1	77537	6.3	124.5	173	1837	77537	1	77537	6.3	93.4	0	+∞	Si
361	75705	1	75705	6.2	124.5	168.9	1837	75705	1	75705	6.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
24	0.001	0	0.001	0	0.001	0	0	0	0	0	0.001	2	0	2	9999	Si
45	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
72	0.003	0.002	0.003	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
96	0.004	0.003	0.004	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.005	2	9999	Si
108	0.005	0.003	0.005	0.003	0.004	0.003	0.004	0.003	0.004	0.003	0.008	2	0.006	2	9999	Si
132	0.006	0.004	0.006	0.004	0.005	0.004	0.005	0.004	0.005	0.004	0.01	2	0.009	2	9999	Si
157	0.007	0.005	0.006	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.012	2	0.011	2	9999	Si
181	0.007	0.006	0.007	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
205	0.007	0.006	0.007	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.014	2	0.013	2	9999	Si
229	0.007	0.006	0.007	0.006	0.007	0.006	0.006	0.006	0.007	0.006	0.015	2	0.014	2	9999	Si
253	0.007	0.006	0.007	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.014	2	0.013	2	9999	Si
265	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.013	2	0.013	2	9999	Si
289	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.011	2	0.011	2	9999	Si
313	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.009	2	0.008	2	9999	Si
331	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
337	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si

Trave a "Piano Terra" 15-16

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x50	Rettangolare	30	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 15 - 16, sezione R 30x50, asta 725

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	662391	LU 12	612097	943473	0.135						Si
20	7.6	5.4	11.4	5.4	598573	LU 12	591461	943473	0.135						Si
33	7.6	5.4	11.4	5.4	559251	LU 12	559251	943473	0.135						Si
41	7.6	5.4	11.4	5.4	532732	LU 12	559251	943473	0.135						Si
61	7.6	5.4	11.4	5.4	464866	LU 12	531940	943473	0.135						Si
81	7.6	5.4	11.4	5.4	394975	LU 12	464050	943473	0.135						Si
91	7.6	5.4	11.4	5.4	359271	LU 12	429346	943473	0.135						Si
112	7.6	5.4	11.4	5.4	286341	LU 12	358419	943473	0.135						Si
132	7.6	5.4	11.4	5.4	211385	LU 12	285466	943473	0.135						Si
152	7.6	5.4	11.4	5.4	134402	LU 12	210486	943473	0.135						Si
173	7.6	5.4	11.4	5.4	55390	LU 12	133478	943473	0.135	34157	LU 1	-25064	-644450	0.121	Si
193	7.6	5.4	11.4	5.4	-18134	LU 8	54442	943473	0.135	-26020	LU 11	-107920	-644450	0.121	Si
213	7.6	5.4	11.4	5.4	-73609	LU 4	6214	943473	0.135	-108901	LU 11	-192818	-644450	0.121	Si
234	7.6	5.4	11.4	5.4						-193825	LU 12	-279927	-644450	0.121	Si
244	7.6	5.4	11.4	5.4						-237137	LU 12	-295242	-644450	0.121	Si
257	7.6	5.4	11.4	5.4						-295242	LU 12	-295242	-644450	0.121	Si
264	7.6	5.4	11.4	5.4						-325287	LU 12	-323053	-644450	0.121	Si
284	7.6	5.4	11.4	5.4						-415469	LU 12	-379796	-644450	0.121	Si
305	7.6	5.4	11.4	5.4						-507684	LU 12	-398711	-644450	0.121	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	-3093	LU 12	-3093	-6984	-35398	0	-6984	1	Si
20	0	11.4	0	-3192	LU 12	-3192	-6984	-35398	0	-6984	1	Si
33	0.247	11.4	0	-3252	LU 12	-3252	-6984	-35398	-19805	-19805	1	Si
41	0.247	11.4	0	-3292	LU 12	-3292	-6984	-35398	-19805	-19805	1	Si
61	0.247	11.4	0	-3392	LU 12	-3392	-6984	-35398	-19805	-19805	1	Si
81	0.247	11.4	0	-3491	LU 12	-3491	-6984	-35398	-19805	-19805	1	Si
91	0.248	11.4	0	-3541	LU 12	-3541	-6984	-35398	-19856	-19856	1	Si
112	0.248	11.4	0	-3641	LU 12	-3641	-6984	-35398	-19856	-19856	1	Si
132	0.248	11.4	0	-3741	LU 12	-3741	-6984	-35398	-19856	-19856	1	Si
152	0.248	11.4	0	-3841	LU 12	-3841	-6984	-35398	-19856	-19856	1	Si
173	0.248	11.4	0	-3940	LU 12	-3940	-6984	-35398	-19856	-19856	1	Si
193	0.248	7.6	0	-4040	LU 12	-4040	-6101	-35398	-19856	-19856	1	Si
213	0.261	7.6	0	-4140	LU 12	-4140	-6101	-35398	-20950	-20950	1	Si
234	0.261	7.6	0	-4240	LU 12	-4240	-6101	-35398	-20950	-20950	1	Si
244	0.261	7.6	0	-4290	LU 12	-4290	-6101	-35398	-20950	-20950	1	Si
257	0.261	7.6	0	-4357	LU 12	-4357	-6101	-35398	-20950	-20950	1	Si
264	0	7.6	0	-4390	LU 12	-4390	-6101	-35398	0	-6101	1	Si
284	0	7.6	0	-4491	LU 12	-4491	-6101	-35398	0	-6101	1	Si
305	0	7.6	0	-4591	LU 12	-4591	-6101	-35398	0	-6101	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	498177	3	460449	37.6	124.5	1027.3	1837	446077	2	412749	33.7	93.4	0	+∞	Si
20	450287	3	444951	36.3	124.5	992.7	1837	403687	2	398971	32.5	93.4	0	+∞	Si
33	420760	3	420760	34.3	124.5	938.8	1837	377464	2	377464	30.8	93.4	0	+∞	Si
41	400840	3	420760	34.3	124.5	938.8	1837	359744	2	377464	30.8	93.4	0	+∞	Si
61	349838	3	400245	32.6	124.5	893	1837	314249	2	359214	29.3	93.4	0	+∞	Si
81	297279	3	349224	28.5	124.5	779.2	1837	267199	2	313700	25.6	93.4	0	+∞	Si
91	270415	3	323130	26.4	124.5	720.9	1837	243092	2	290360	23.7	93.4	0	+∞	Si
112	215519	3	269774	22	124.5	601.9	1837	193712	2	242516	19.8	93.4	0	+∞	Si
132	159065	3	214860	17.5	124.5	479.4	1837	142777	2	193117	15.8	93.4	0	+∞	Si
152	101053	3	158388	12.9	124.5	353.4	1837	90287	2	142164	11.6	93.4	0	+∞	Si
173	41481	3	100357	8.2	124.5	223.9	1837	36242	2	89656	7.3	93.4	0	+∞	Si
193	-19897	2	-81722	7.1	124.5	268.9	1837	-19358	2	-75838	6.6	93.4	0	+∞	Si
213	-82463	2	-145837	12.7	124.5	479.8	1837	-76515	2	-134532	11.7	93.4	0	+∞	Si
234	-146598	3	-211634	18.4	124.5	696.3	1837	-135227	2	-194783	16.9	93.4	0	+∞	Si
244	-179310	3	-223205	19.4	124.5	734.4	1837	-165167	2	-205395	17.8	93.4	0	+∞	Si
257	-223205	3	-223205	19.4	124.5	734.4	1837	-205395	2	-205395	17.8	93.4	0	+∞	Si
264	-245906	3	-244218	21.2	124.5	803.5	1837	-226215	2	-224663	19.5	93.4	0	+∞	Si
284	-314065	3	-287090	24.9	124.5	944.5	1837	-288821	2	-263976	22.9	93.4	0	+∞	Si
305	-383786	3	-301380	26.2	124.5	991.6	1837	-352983	2	-277081	24.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	inferiore	37.1	0.0003	0.0111	3	37.1	0.00028	0.0103	2	37.1	0.00027	0.0099	2	Si
20	inferiore	37.1	0.00029	0.0107	3	37.1	0.00027	0.0099	2	37.1	0.00026	0.0096	2	Si
33	inferiore	37.1	0.00027	0.0101	3	37.1	0.00025	0.0094	2	37.1	0.00025	0.0091	2	Si
41	inferiore	37.1	0.00027	0.0101	3	37.1	0.00025	0.0094	2	37.1	0.00025	0.0091	2	Si
61	inferiore	37.1	0.00026	0.0096	3	37.1	0.00024	0.0089	2	37.1	0.00023	0.0086	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.006	0.005	0.006	0.005	0.006	0.005	0.006	0.005	0.006	0.005	0.013	2	0.012	2	9999	Si
33	0.009	0.008	0.009	0.007	0.009	0.008	0.008	0.007	0.008	0.008	0.019	2	0.017	2	9999	Si
41	0.011	0.01	0.011	0.009	0.01	0.01	0.009	0.009	0.01	0.01	0.022	2	0.02	2	9999	Si
61	0.014	0.012	0.013	0.011	0.013	0.012	0.012	0.011	0.013	0.012	0.027	2	0.025	2	9999	Si
81	0.016	0.013	0.014	0.012	0.015	0.013	0.013	0.012	0.014	0.013	0.03	2	0.028	2	9999	Si
91	0.016	0.014	0.014	0.012	0.015	0.014	0.013	0.012	0.014	0.014	0.03	2	0.028	2	9999	Si
112	0.016	0.013	0.014	0.011	0.014	0.013	0.013	0.011	0.014	0.013	0.029	2	0.027	2	9999	Si
132	0.014	0.012	0.013	0.01	0.013	0.012	0.011	0.01	0.013	0.012	0.026	2	0.024	2	9999	Si
152	0.012	0.01	0.011	0.009	0.011	0.01	0.01	0.009	0.011	0.01	0.022	2	0.02	2	9999	Si
173	0.009	0.008	0.008	0.007	0.009	0.008	0.007	0.007	0.008	0.008	0.017	2	0.016	2	9999	Si
193	0.007	0.005	0.006	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.012	2	0.011	2	9999	Si
213	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
234	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
244	0.001	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
257	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	2	-0.002	2	9999	Si
264	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
284	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Trave a "Piano Terra" 25A-25B

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x50	Rettangolare	30	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 25A - 25B, sezione R 30x50, asta 710

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-62650	LU 11	-51996	-644450	0.121	Si
20	7.6	5.4	7.6	5.4						-42279	LU 11	-42279	-644450	0.121	Si
43	7.6	5.4	7.6	5.4	-10665	LU 8	911	644450	0.121	-20897	LU 11	-39133	-644450	0.121	Si
65	7.6	5.4	7.6	5.4	1797	LU 8	14768	644450	0.121	-3453	LU 11	-19570	-644450	0.121	Si
76	7.6	5.4	7.6	5.4	9032	LU 17	21007	644450	0.121	2746	LU 2	-10646	-644450	0.121	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
97	7.6	5.4	7.6	5.4	21914	LU 17	31770	644450	0.121						Si
119	7.6	5.4	7.6	5.4	32508	LU 17	40244	644450	0.121						Si
141	7.6	5.4	7.6	5.4	40814	LU 17	46516	644450	0.121						Si
162	7.6	5.4	7.6	5.4	46956	LU 18	51264	644450	0.121						Si
184	7.6	5.4	7.6	5.4	51580	LU 11	54001	644450	0.121						Si
206	7.6	5.4	7.6	5.4	54148	LU 11	54574	644450	0.121						Si
227	7.6	5.4	7.6	5.4	54427	LU 11	54574	644450	0.121						Si
238	7.6	5.4	7.6	5.4	53709	LU 11	54552	644450	0.121						Si
260	7.6	5.4	7.6	5.4	50556	LU 11	53519	644450	0.121						Si
282	7.6	5.4	7.6	5.4	45114	LU 11	50197	644450	0.121						Si
305	7.6	5.4	7.6	5.4	36657	LU 11	44036	644450	0.121						Si
325	7.6	5.4	7.6	5.4	27365	LU 11	27365	644450	0.121						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1069	LU 11	1069	6101	35398	0	6101	1	Si
20	0.046	7.6	0	972	LU 11	972	6101	35398	3675	6101	1	Si
43	0.046	7.6	0	858	LU 11	858	6101	35398	3675	6101	1	Si
65	0.046	7.6	0	752	LU 11	752	6101	35398	3675	6101	1	Si
76	0.046	7.6	0	699	LU 11	699	6101	35398	3675	6101	1	Si
97	0.046	7.6	0	594	LU 11	594	6101	35398	3675	6101	1	Si
119	0.046	7.6	0	488	LU 11	488	6101	35398	3675	6101	1	Si
141	0.046	7.6	0	383	LU 11	383	6101	35398	3675	6101	1	Si
162	0.046	7.6	0	277	LU 11	277	6101	35398	3675	6101	1	Si
184	0.046	7.6	0	171	LU 11	171	6101	35398	3675	6101	1	Si
206	0.046	7.6	0	66	LU 11	66	6101	35398	3675	6101	1	Si
227	0.046	7.6	0	-92	LU 17	-92	-6101	-35398	-3675	-6101	1	Si
238	0.046	7.6	0	-145	LU 17	-145	-6101	-35398	-3675	-6101	1	Si
260	0.046	7.6	0	-250	LU 17	-250	-6101	-35398	-3675	-6101	1	Si
282	0.046	7.6	0	-356	LU 17	-356	-6101	-35398	-3675	-6101	1	Si
305	0.046	7.6	0	-470	LU 17	-470	-6101	-35398	-3675	-6101	1	Si
325	0	7.6	0	-567	LU 17	-567	-6101	-35398	0	-6101	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-47637	2	-39477	3.7	124.5	130.1	1837	-45111	2	-37111	3.5	93.4	0	+∞	Si
20	-32038	2	-32038	3	124.5	105.6	1837	-29833	2	-29833	2.8	93.4	0	+∞	Si
43	-15672	2	-29629	2.8	124.5	97.6	1837	-13842	2	-27477	2.6	93.4	0	+∞	Si
65	1127	8	11190	1	124.5	36.9	1837								Si
65	-2331	2	-14657	1.4	124.5	48.3	1837	-848	2	-12852	1.2	93.4	0	+∞	Si
76	6761	8	16009	1.5	124.5	52.8	1837	5549	1	15034	1.4	93.4	0	+∞	Si
97	16710	8	24327	2.3	124.5	80.2	1837	15753	1	23607	2.2	93.4	0	+∞	Si
119	24898	8	30885	2.9	124.5	101.8	1837	24197	1	30420	2.8	93.4	0	+∞	Si
141	31326	8	35741	3.3	124.5	117.8	1837	30880	1	35497	3.3	93.4	0	+∞	Si
162	36078	9	39344	3.7	124.5	129.7	1837	35838	2	38938	3.6	93.4	0	+∞	Si
184	39582	2	41373	3.9	124.5	136.3	1837	39150	2	40619	3.8	93.4	0	+∞	Si
206	41481	2	41770	3.9	124.5	137.6	1837	40701	2	40816	3.8	93.4	0	+∞	Si
227	41619	2	41770	3.9	124.5	137.6	1837	40492	2	40816	3.8	93.4	0	+∞	Si
238	41029	2	41748	3.9	124.5	137.6	1837	39727	2	40768	3.8	93.4	0	+∞	Si
260	38527	2	40877	3.8	124.5	134.7	1837	36877	2	39549	3.7	93.4	0	+∞	Si
282	34264	2	38245	3.6	124.5	126	1837	32266	2	36569	3.4	93.4	0	+∞	Si
305	27677	2	33423	3.1	124.5	110.1	1837	25304	2	31373	2.9	93.4	0	+∞	Si
325	20458	2	20458	1.9	124.5	67.4	1837	17764	2	17764	1.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
43	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	1	0.002	1	9999	Si
65	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	1	0.004	1	9999	Si
76	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	1	0.004	1	9999	Si
97	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
119	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	1	0.007	1	9999	Si
141	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	1	0.008	1	9999	Si
162	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.009	2	0.009	2	9999	Si
184	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.009	2	0.009	2	9999	Si
206	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.009	2	0.009	2	9999	Si
227	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
238	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
260	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.006	2	0.006	2	9999	Si
282	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
305	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Trave a "Piano Terra" 25C-25A

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x50	Rettangolare	40	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 25C - 25A, sezione R 40x50, asta 714

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-256100	LU 17	-186955	-659306	0.113	Si
25	7.6	5.4	7.6	5.4						-124518	LU 17	-124518	-659306	0.113	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
32	7.6	5.4	7.6	5.4	-51087	LU 2	13320	659306	0.113	-87758	LU 17	-124518	-659306	0.113	Si
65	7.6	5.4	7.6	5.4	60858	LU 12	135578	659306	0.113	40928	LU 1	-31031	-659306	0.113	Si
97	7.6	5.4	7.6	5.4	177730	LU 18	237438	659306	0.113						Si
129	7.6	5.4	7.6	5.4	270097	LU 18	314269	659306	0.113						Si
145	7.6	5.4	7.6	5.4	306895	LU 18	343298	659306	0.113						Si
178	7.6	5.4	7.6	5.4	361718	LU 18	382586	659306	0.113						Si
210	7.6	5.4	7.6	5.4	391514	LU 18	397027	659306	0.113						Si
242	7.6	5.4	7.6	5.4	396333	LU 17	397027	659306	0.113						Si
275	7.6	5.4	7.6	5.4	376956	LU 17	391356	659306	0.113						Si
307	7.6	5.4	7.6	5.4	332556	LU 17	362489	659306	0.113						Si
339	7.6	5.4	7.6	5.4	263134	LU 17	308599	659306	0.113						Si
372	7.6	5.4	7.6	5.4	168691	LU 17	229687	659306	0.113						Si
388	7.6	5.4	7.6	5.4	112088	LU 17	180848	659306	0.113						Si
420	7.6	5.4	7.6	5.4	-15201	LU 1	64407	659306	0.113	-26753	LU 12	-120383	-659306	0.113	Si
453	7.6	5.4	7.6	5.4						-182629	LU 18	-222688	-659306	0.113	Si
460	7.6	5.4	7.6	5.4						-222688	LU 18	-222688	-659306	0.113	Si
485	7.6	5.4	7.6	5.4						-365511	LU 18	-290748	-659306	0.113	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	5594	LU 17	5594	7391	47198	0	7391	1	Si
25	0.06	7.6	0	4995	LU 17	4995	7391	47198	4816	7391	1	Si
32	0.06	7.6	0	4819	LU 17	4819	7391	47198	4816	7391	1	Si
65	0.06	7.6	0	4045	LU 17	4045	7391	47198	4816	7391	1	Si
97	0.06	7.6	0	3271	LU 17	3271	7391	47198	4816	7391	1	Si
129	0.06	7.6	0	2497	LU 17	2497	7391	47198	4816	7391	1	Si
145	0.06	7.6	0	2110	LU 17	2110	7391	47198	4816	7391	1	Si
178	0.06	7.6	0	1336	LU 17	1336	7391	47198	4816	7391	1	Si
210	0.06	7.6	0	562	LU 17	562	7391	47198	4816	7391	1	Si
242	0.06	7.6	0	-247	LU 12	-247	-7391	-47198	-4816	-7391	1	Si
275	0.06	7.6	0	-1013	LU 18	-1013	-7391	-47198	-4816	-7391	1	Si
307	0.06	7.6	0	-1787	LU 18	-1787	-7391	-47198	-4816	-7391	1	Si
339	0.06	7.6	0	-2561	LU 18	-2561	-7391	-47198	-4816	-7391	1	Si
372	0.06	7.6	0	-3335	LU 18	-3335	-7391	-47198	-4816	-7391	1	Si
388	0.06	7.6	0	-3722	LU 18	-3722	-7391	-47198	-4816	-7391	1	Si
420	0.06	7.6	0	-4496	LU 18	-4496	-7391	-47198	-4816	-7391	1	Si
453	0.06	7.6	0	-5269	LU 18	-5269	-7391	-47198	-4816	-7391	1	Si
460	0.06	7.6	0	-5445	LU 18	-5445	-7391	-47198	-4816	-7391	1	Si
485	0	7.6	0	-6043	LU 18	-6043	-7391	-47198	0	-7391	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-194308	8	-141768	11.5	124.5	463	1837	-176810	1	-128484	10.4	93.4	0	+∞	Si
25	-94326	8	-94326	7.7	124.5	308	1837	-84857	1	-84857	6.9	93.4	0	+∞	Si
32	-66395	8	-94326	7.7	124.5	308	1837	-59172	1	-84857	6.9	93.4	0	+∞	Si
65	46029	3	102897	8.4	124.5	336	1837	42294	2	95051	7.7	93.4	0	+∞	Si
97	134952	9	180361	14.7	124.5	589	1837	124606	2	166477	13.5	93.4	0	+∞	Si
129	205201	9	238801	19.4	124.5	779.8	1837	189383	2	220369	17.9	93.4	0	+∞	Si
145	233191	9	260886	21.2	124.5	851.9	1837	215195	2	240739	19.6	93.4	0	+∞	Si
178	274903	9	290790	23.6	124.5	949.6	1837	253669	2	268329	21.8	93.4	0	+∞	Si
210	297592	9	301804	24.5	124.5	985.6	1837	274609	2	278504	22.6	93.4	0	+∞	Si
242	301293	8	301804	24.5	124.5	985.6	1837	278031	1	278504	22.6	93.4	0	+∞	Si
275	286525	8	297495	24.2	124.5	971.5	1837	264158	1	274431	22.3	93.4	0	+∞	Si
307	252738	8	275514	21.8	124.5	899.7	1837	232754	1	253909	20.6	93.4	0	+∞	Si
339	199932	8	234513	19.1	124.5	765.8	1837	183820	1	215857	17.5	93.4	0	+∞	Si
372	128108	8	174494	14.2	124.5	569.8	1837	117357	1	160275	13	93.4	0	+∞	Si
388	85065	8	137354	11.2	124.5	448.5	1837	77553	1	125910	10.2	93.4	0	+∞	Si
420	-19862	3	-91188	7.4	124.5	297.8	1837	-16595	2	-83544	6.8	93.4	0	+∞	Si
453	-138484	9	-168922	13.7	124.5	551.6	1837	-127127	2	-155176	12.6	93.4	0	+∞	Si
460	-168922	9	-168922	13.7	124.5	551.6	1837	-155176	2	-155176	12.6	93.4	0	+∞	Si
485	-277446	9	-220637	17.9	124.5	720.5	1837	-255184	2	-202832	16.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
25	0.008	0.007	0.007	0.006	0.007	0.007	0.006	0.006	0.007	0.007	0.016	2	0.016	2	9999	Si
32	0.01	0.009	0.009	0.008	0.009	0.009	0.008	0.008	0.009	0.009	0.02	2	0.02	2	9999	Si
65	0.021	0.019	0.018	0.016	0.019	0.019	0.017	0.016	0.019	0.019	0.042	2	0.042	2	9999	Si
97	0.031	0.028	0.027	0.025	0.029	0.028	0.025	0.025	0.028	0.028	0.063	2	0.063	2	7737	Si
129	0.04	0.037	0.035	0.032	0.037	0.037	0.032	0.032	0.037	0.037	0.081	2	0.081	2	5989	Si
145	0.044	0.04	0.038	0.035	0.041	0.04	0.035	0.035	0.04	0.04	0.089	2	0.089	2	5463	Si
178	0.049	0.046	0.043	0.04	0.046	0.046	0.04	0.04	0.046	0.046	0.101	2	0.101	2	4799	Si
210	0.053	0.049	0.046	0.043	0.05	0.049	0.043	0.043	0.049	0.049	0.108	2	0.108	2	4478	Si
242	0.054	0.05	0.047	0.043	0.05	0.05	0.044	0.043	0.05	0.05	0.11	1	0.11	1	4405	Si
275	0.052	0.048	0.045	0.042	0.049	0.048	0.042	0.042	0.048	0.048	0.106	1	0.106	1	4559	Si
307	0.048	0.044	0.042	0.038	0.045	0.044	0.039	0.038	0.044	0.044	0.097	1	0.097	1	4978	Si
339	0.041	0.038	0.036	0.033	0.039	0.038	0.033	0.033	0.038	0.038	0.084	1	0.084	1	5784	Si
372	0.033	0.03	0.028	0.026	0.031	0.03	0.027	0.026	0.03	0.03	0.067	1	0.066	1	7280	Si
388	0.028	0.026	0.024	0.022	0.026	0.026	0.023	0.022	0.026	0.026	0.057	1	0.057	1	8503	Si
420	0.018	0.017	0.016	0.014	0.017	0.017	0.015	0.014	0.017	0.017	0.037	1	0.037	1	9999	Si
453	0.009	0.008	0.007	0.007	0.008	0.008	0.007	0.007	0.008	0.008	0.017	1	0.017	1	9999	Si
460	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.013	1	0.013	1	9999	Si

Trave a "Piano Terra" 25C-25D

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x50	Rettangolare	30	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 25C - ?, sezione R 30x50, asta 713

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-512609	LU 11	-483913	-644450	0.121	Si
20	7.6	5.4	7.6	5.4						-456154	LU 11	-456154	-644450	0.121	Si
43	7.6	5.4	7.6	5.4						-392528	LU 11	-446969	-644450	0.121	Si
65	7.6	5.4	7.6	5.4						-335929	LU 11	-388248	-644450	0.121	Si
87	7.6	5.4	7.6	5.4	-177395	LU 4	7341	644450	0.121	-281624	LU 11	-331821	-644450	0.121	Si
98	7.6	5.4	7.6	5.4	-160027	LU 4	12933	644450	0.121	-255332	LU 11	-304467	-644450	0.121	Si
119	7.6	5.4	7.6	5.4	-126614	LU 4	21537	644450	0.121	-204469	LU 11	-251482	-644450	0.121	Si
141	7.6	5.4	7.6	5.4	-94966	LU 4	26699	644450	0.121	-155901	LU 11	-200790	-644450	0.121	Si
163	7.6	5.4	7.6	5.4	-65084	LU 4	28420	644450	0.121	-109626	LU 11	-152393	-644450	0.121	Si
184	7.6	5.4	7.6	5.4	-36916	LU 1	26699	644450	0.121	-65671	LU 12	-106291	-644450	0.121	Si
206	7.6	5.4	7.6	5.4	-10281	LU 1	21537	644450	0.121	-24126	LU 12	-62518	-644450	0.121	Si
228	7.6	5.4	7.6	5.4	18966	LU 10	49794	644450	0.121	10748	LU 3	-21145	-644450	0.121	Si
249	7.6	5.4	7.6	5.4	52528	LU 11	84768	644450	0.121						Si
260	7.6	5.4	7.6	5.4	70216	LU 11	101395	644450	0.121						Si
282	7.6	5.4	7.6	5.4	103872	LU 11	132928	644450	0.121						Si
305	7.6	5.4	7.6	5.4	137548	LU 11	137548	644450	0.121						Si
325	7.6	5.4	7.6	5.4	164300	LU 11	151392	644450	0.121						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	2873	LU 11	2873	6101	35398	0	6101	1	Si
20	0.046	7.6	0	2776	LU 11	2776	6101	35398	3670	6101	1	Si
43	0.046	7.6	0	2662	LU 11	2662	6101	35398	3670	6101	1	Si
65	0.046	7.6	0	2556	LU 11	2556	6101	35398	3670	6101	1	Si
87	0.046	7.6	0	2450	LU 11	2450	6101	35398	3670	6101	1	Si
98	0.046	7.6	0	2397	LU 11	2397	6101	35398	3670	6101	1	Si
119	0.046	7.6	0	2292	LU 11	2292	6101	35398	3670	6101	1	Si
141	0.046	7.6	0	2186	LU 11	2186	6101	35398	3670	6101	1	Si
163	0.046	7.6	0	2080	LU 11	2080	6101	35398	3670	6101	1	Si
184	0.046	7.6	0	1974	LU 11	1974	6101	35398	3670	6101	1	Si
206	0.046	7.6	0	1869	LU 11	1869	6101	35398	3670	6101	1	Si
228	0.046	7.6	0	1763	LU 11	1763	6101	35398	3670	6101	1	Si
249	0.046	7.6	0	1657	LU 11	1657	6101	35398	3670	6101	1	Si
260	0.046	7.6	0	1604	LU 11	1604	6101	35398	3670	6101	1	Si
282	0.046	7.6	0	1498	LU 11	1498	6101	35398	3670	6101	1	Si
305	0.046	7.6	0	1384	LU 11	1384	6101	35398	3670	6101	1	Si
325	0	7.6	0	1287	LU 11	1287	6101	35398	0	6101	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-386348	2	-364608	34.1	124.5	1201.5	1837	-350102	2	-329881	30.9	93.4	0	+∞	Si
20	-343589	2	-343589	32.2	124.5	1132.2	1837	-310381	2	-310381	29	93.4	0	+∞	Si
43	-295427	2	-336635	31.5	124.5	1109.3	1837	-265771	2	-303931	28.4	93.4	0	+∞	Si
65	-252613	2	-292189	27.3	124.5	962.8	1837	-226252	2	-262779	24.6	93.4	0	+∞	Si
87	-211565	2	-249507	23.4	124.5	822.2	1837	-188498	2	-223393	20.9	93.4	0	+∞	Si
98	-191702	2	-228828	21.4	124.5	754.1	1837	-170283	2	-204361	19.1	93.4	0	+∞	Si
119	-153301	2	-188794	17.7	124.5	622.1	1837	-135177	2	-167622	15.7	93.4	0	+∞	Si
141	-116664	2	-150525	14.1	124.5	496	1837	-101835	2	-132648	11.8	93.4	0	+∞	Si
163	-81793	2	-114021	10.7	124.5	375.7	1837	-70259	2	-99438	9.3	93.4	0	+∞	Si
184	-48703	3	-79281	7.4	124.5	261.3	1837	-40447	2	-67994	6.4	93.4	0	+∞	Si
206	-17455	3	-46330	4.3	124.5	152.7	1837	-12400	2	-38314	3.6	93.4	0	+∞	Si
228	14589	1	37996	3.6	124.5	125.2	1837	14589	1	36597	3.4	93.4	0	+∞	Si
249	40045	2	64175	6	124.5	211.5	1837	38400	2	59482	5.6	93.4	0	+∞	Si
260	53289	2	76603	7.2	124.5	251.8	1837	49996	2	70262	6.6	93.4	0	+∞	Si
282	78454	2	100135	9.4	124.5	330	1837	71866	2	90499	8.5	93.4	0	+∞	Si
305	103577	2	103577	9.7	124.5	341.3	1837	93438	2	93438	8.7	93.4	0	+∞	Si
325	123489	2	113893	10.7	124.5	375.3	1837	110311	2	102235	9.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	50.7	0.00035	0.0177	2	50.7	0.00033	0.0165	2	50.7	0.00032	0.0161	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.01	1	-0.011	1	9999	Si
43	-0.009	-0.01	-0.008	-0.009	-0.009	-0.01	-0.008	-0.009	-0.009	-0.009	-0.019	1	-0.02	1	9999	Si
65	-0.011	-0.013	-0.01	-0.012	-0.011	-0.012	-0.01	-0.011	-0.011	-0.012	-0.024	1	-0.026	1	9999	Si
87	-0.012	-0.015	-0.011	-0.013	-0.012	-0.014	-0.011	-0.012	-0.012	-0.013	-0.027	1	-0.029	1	9999	Si
98	-0.012	-0.015	-0.011	-0.014	-0.013	-0.014	-0.011	-0.012	-0.013	-0.013	-0.027	1	-0.029	1	9999	Si
108	-0.013	-0.015	-0.011	-0.014	-0.013	-0.014	-0.011	-0.013	-0.013	-0.013	-0.028	1	-0.029	1	9999	Si
119	-0.012	-0.015	-0.011	-0.014	-0.012	-0.014	-0.011	-0.012	-0.012	-0.013	-0.027	1	-0.029	1	9999	Si
141	-0.012	-0.014	-0.011	-0.013	-0.012	-0.013	-0.011	-0.012	-0.012	-0.012	-0.026	1	-0.027	1	9999	Si
163	-0.01	-0.013	-0.009	-0.012	-0.01	-0.012	-0.01	-0.011	-0.01	-0.011	-0.023	1	-0.025	1	9999	Si
184	-0.009	-0.011	-0.008	-0.01	-0.009	-0.01	-0.008	-0.009	-0.009	-0.01	-0.02	1	-0.021	1	9999	Si
206	-0.007	-0.009	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.016	1	-0.017	1	9999	Si
228	-0.005	-0.007	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.012	1	-0.013	1	9999	Si
249	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.009	1	9999	Si
260	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	1	-0.007	1	9999	Si
282	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
305	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	-0.001	-0.001	1	-0.001	1	9999	Si

Trave a "Piano Terra" 25C-25D

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x50	Rettangolare	40	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 25C - 25D, sezione R 40x50, asta 715

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-264242	LU 18	-216848	-659762	0.115	Si
21	7.6	5.4	11.4	5.4						-177680	LU 18	-177633	-659762	0.115	Si
23	7.6	5.4	11.4	5.4						-173660	LU 17	-173660	-659762	0.115	Si
43	7.6	5.4	11.4	5.4						-106095	LU 17	-173329	-659762	0.115	Si
64	7.6	5.4	11.4	5.4	-4767	LU 2	50004	959152	0.125	-40291	LU 17	-102112	-659762	0.115	Si
85	7.6	5.4	11.4	5.4	53829	LU 11	109390	959152	0.125	14155	LU 8	-36650	-659762	0.115	Si
96	7.6	5.4	11.4	5.4	84240	LU 11	136260	959152	0.125	35781	LU 8	-6079	-659762	0.115	Si
117	7.6	5.4	11.4	5.4	139416	LU 11	184356	959152	0.125						Si
139	7.6	5.4	11.4	5.4	187066	LU 11	225149	959152	0.125						Si
160	7.6	5.4	11.4	5.4	227438	LU 12	258599	959152	0.125						Si
181	7.6	5.4	11.4	5.4	260443	LU 12	284523	959152	0.125						Si
203	7.6	5.4	11.4	5.4	285921	LU 12	302920	959152	0.125						Si
224	7.6	5.4	11.4	5.4	303872	LU 12	313791	959152	0.125						Si
245	7.6	5.4	11.4	5.4	314297	LU 12	317134	959152	0.125						Si
256	7.6	5.4	11.4	5.4	316686	LU 12	317194	959152	0.125						Si
277	7.6	5.4	11.4	5.4	317056	LU 18	317194	959152	0.125						Si
298	7.6	5.4	11.4	5.4	313133	LU 18	317044	959152	0.125						Si
299	7.6	5.4	11.4	5.4	312805	LU 18	312740	959152	0.125						Si
320	7.6	5.4	11.4	5.4	301559	LU 18	301559	959152	0.125						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	4348	LU 12	4348	7391	47198	0	7391	1	Si
21	0	7.6	0	4011	LU 12	4011	7391	47198	0	7391	1	Si
23	0.181	7.6	0	3992	LU 12	3992	7391	47198	14504	14504	1	Si
43	0.181	7.6	0	3664	LU 12	3664	7391	47198	14504	14504	1	Si
64	0.181	7.6	0	3311	LU 12	3311	7391	47198	14504	14504	1	Si
85	0.172	11.4	0	2958	LU 12	2958	8461	47198	13813	13813	1	Si
96	0.172	11.4	0	2782	LU 12	2782	8461	47198	13813	13813	1	Si
117	0.172	11.4	0	2429	LU 12	2429	8461	47198	13813	13813	1	Si
139	0.172	11.4	0	2097	LU 18	2097	8461	47198	13813	13813	1	Si
160	0.172	11.4	0	1769	LU 18	1769	8461	47198	13813	13813	1	Si
181	0.172	11.4	0	1464	LU 17	1464	8461	47198	13813	13813	1	Si
203	0.172	11.4	0	1194	LU 17	1194	8461	47198	13813	13813	1	Si
224	0.172	11.4	0	924	LU 17	924	8461	47198	13813	13813	1	Si
245	0.172	11.4	0	654	LU 17	654	8461	47198	13813	13813	1	Si
256	0.161	11.4	0	519	LU 17	519	8461	47198	12892	12892	1	Si
277	0.161	11.4	0	249	LU 17	249	8461	47198	12892	12892	1	Si
277	0.161	11.4	0	-275	LU 2	-275	-8461	-47198	-12892	-12892	1	Si
298	0.161	11.4	0	14	LU 8	14	8461	47198	12892	12892	1	Si
298	0.161	11.4	0	-570	LU 11	-570	-8461	-47198	-12892	-12892	1	Si
299	0	11.4	0	2	LU 8	2	8461	47198	0	8461	1	Si
299	0	11.4	0	-589	LU 11	-589	-8461	-47198	0	-8461	1	Si
320	0	11.4	0	-935	LU 11	-935	-8461	-47198	0	-8461	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-201149	9	-165321	12.7	124.5	539.6	1837	-190087	2	-156847	12	93.4	0	+∞	Si
21	-135694	9	-135658	10.4	124.5	442.8	1837	-129316	2	-129281	9.9	93.4	0	+∞	Si
23	-132614	8	-132614	10.2	124.5	432.9	1837	-126308	1	-126308	9.7	93.4	0	+∞	Si
43	-80804	8	-132361	10.1	124.5	432	1837	-75558	1	-126059	9.7	93.4	0	+∞	Si
64	-30358	8	-77751	6	124.5	253.8	1837	-26235	1	-72572	5.6	93.4	0	+∞	Si
85	38374	2	80498	5.6	124.5	177.9	1837	24572	2	63902	4.5	93.4	0	+∞	Si
96	61419	2	100905	7.1	124.5	223	1837	46035	2	83114	5.8	93.4	0	+∞	Si
117	103303	2	137513	9.7	124.5	303.9	1837	85373	2	117950	8.3	93.4	0	+∞	Si
139	139578	2	168661	11.8	124.5	372.7	1837	119926	2	148002	10.4	93.4	0	+∞	Si
160	170410	3	194323	13.6	124.5	429.4	1837	149694	2	173270	12.2	93.4	0	+∞	Si
181	195740	3	214377	15	124.5	473.7	1837	174678	2	193753	13.6	93.4	0	+∞	Si
203	215462	3	228822	16.1	124.5	505.6	1837	194878	2	209452	14.7	93.4	0	+∞	Si
224	229575	3	237659	16.7	124.5	525.2	1837	210294	2	220366	15.5	93.4	0	+∞	Si
245	238079	3	240886	16.9	124.5	532.3	1837	220925	2	226496	15.9	93.4	0	+∞	Si
256	240228	3	241073	16.9	124.5	532.7	1837	224446	2	227767	16	93.4	0	+∞	Si
277	241143	9	241143	16.9	124.5	532.9	1837	227901	2	227901	16	93.4	0	+∞	Si
298	238609	9	241136	16.9	124.5	532.8	1837	226709	2	227900	16	93.4	0	+∞	Si
299	238386	9	238337	16.7	124.5	526.7	1837	226571	2	226525	15.9	93.4	0	+∞	Si
320	230376	9	230376	16.2	124.5	509.1	1837	220458	2	220458	15.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
23	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
43	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.007	2	0.006	2	9999	Si
64	0.007	0.005	0.006	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.012	2	0.011	2	9999	Si
85	0.009	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.016	2	0.015	2	9999	Si
96	0.01	0.008	0.009	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.019	2	0.017	2	9999	Si
117	0.013	0.01	0.011	0.009	0.012	0.01	0.01	0.009	0.011	0.01	0.023	2	0.022	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
139	0.015	0.012	0.012	0.01	0.013	0.012	0.011	0.01	0.013	0.012	0.027	2	0.025	2	9999	Si
160	0.016	0.013	0.014	0.011	0.015	0.013	0.012	0.011	0.014	0.013	0.03	2	0.028	2	9999	Si
181	0.017	0.014	0.014	0.012	0.015	0.014	0.013	0.012	0.015	0.014	0.031	2	0.029	2	9999	Si
192	0.017	0.014	0.014	0.012	0.015	0.014	0.013	0.012	0.015	0.014	0.031	2	0.03	2	9999	Si
203	0.016	0.014	0.014	0.012	0.015	0.014	0.013	0.012	0.015	0.014	0.031	2	0.029	2	9999	Si
224	0.015	0.013	0.013	0.011	0.014	0.013	0.012	0.011	0.014	0.013	0.029	2	0.028	2	9999	Si
245	0.014	0.012	0.012	0.01	0.013	0.012	0.011	0.01	0.012	0.012	0.026	2	0.025	2	9999	Si
256	0.012	0.011	0.011	0.009	0.011	0.011	0.01	0.009	0.011	0.011	0.024	2	0.023	2	9999	Si
277	0.009	0.008	0.008	0.007	0.009	0.008	0.007	0.007	0.008	0.008	0.018	2	0.017	2	9999	Si
298	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.01	2	9999	Si
299	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.009	2	9999	Si

Trave a "Piano Terra" 25C-60C

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 25C - 36B, sezione R 45x70, asta 696

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	174252	LU 17	174252	2322809	0.092						Si
9	19.01	5.4	19.01	5.4	209261	LU 17	209261	2322809	0.092						Si
17	19.01	5.4	19.01	5.4	243754	LU 17	242151	2322809	0.092						Si
23	19.01	5.4	19.01	5.4	264062	LU 17	390308	2322809	0.092						Si
26	19.01	5.4	19.01	5.4	277732	LU 17	407257	2322809	0.092						Si
30	19.01	5.4	19.01	5.4	294528	LU 17	428132	2322809	0.092						Si
39	19.01	5.4	19.01	5.4	330412	LU 18	469495	2322809	0.092						Si
48	19.01	5.4	19.01	5.4	371308	LU 12	510340	2322809	0.092						Si
56	19.01	5.4	19.01	5.4	413371	LU 12	550669	2322809	0.092						Si
65	19.01	5.4	19.01	5.4	454916	LU 12	590481	2322809	0.092						Si
74	19.01	5.4	19.01	5.4	495945	LU 12	629775	2322809	0.092						Si
82	19.01	5.4	19.01	5.4	536457	LU 12	651157	2322809	0.092						Si
91	19.01	5.4	19.01	5.4	576452	LU 12	651157	2322809	0.092						Si
100	19.01	5.4	19.01	5.4	615929	LU 12	651157	2322809	0.092						Si
104	19.01	5.4	19.01	5.4	635474	LU 12	651157	2322809	0.092						Si
108	19.01	5.4	19.01	5.4	651157	LU 12	651157	2322809	0.092						Si
113	19.01	5.4	19.01	5.4	674176	LU 12	674176	2322809	0.092						Si
121	19.01	5.4	19.01	5.4	712361	LU 12	703583	2322809	0.092						Si
130	19.01	5.4	19.01	5.4	750029	LU 12	712716	2322809	0.092						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	6377	LU 12	6377	12949	76908	0	12949	1	Si
9	0	19.01	0	6304	LU 12	6304	12949	76908	0	12949	1	Si
17	0	19.01	0	6231	LU 12	6231	12949	76908	0	12949	1	Si
23	0.13	19.01	0	6188	LU 12	6188	12949	76908	15103	15103	1	Si
26	0.13	19.01	0	6158	LU 12	6158	12949	76908	15103	15103	1	Si
30	0.13	19.01	0	6122	LU 12	6122	12949	76908	15103	15103	1	Si
39	0.13	19.01	0	6049	LU 12	6049	12949	76908	15103	15103	1	Si
48	0.13	19.01	0	5976	LU 12	5976	12949	76908	15103	15103	1	Si
56	0.13	19.01	0	5903	LU 12	5903	12949	76908	15103	15103	1	Si
65	0.13	19.01	0	5830	LU 12	5830	12949	76908	15103	15103	1	Si
74	0.13	19.01	0	5757	LU 12	5757	12949	76908	15103	15103	1	Si
82	0.13	19.01	0	5684	LU 12	5684	12949	76908	15103	15103	1	Si
91	0.13	19.01	0	5611	LU 12	5611	12949	76908	15103	15103	1	Si
100	0.13	19.01	0	5538	LU 12	5538	12949	76908	15103	15103	1	Si
104	0.13	19.01	0	5501	LU 12	5501	12949	76908	15103	15103	1	Si
108	0.13	19.01	0	5472	LU 12	5472	12949	76908	15103	15103	1	Si
113	0	19.01	0	5428	LU 12	5428	12949	76908	0	12949	1	Si
121	0	19.01	0	5355	LU 12	5355	12949	76908	0	12949	1	Si
130	0	19.01	0	5282	LU 12	5282	12949	76908	0	12949	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	133767	8	133767	3.5	124.5	120.5	1837	131990	1	131990	3.5	93.4	0	+∞	Si
9	160674	8	160674	4.2	124.5	144.7	1837	158750	1	158750	4.2	93.4	0	+∞	Si
17	187185	8	185953	4.9	124.5	167.5	1837	185114	1	183889	4.8	93.4	0	+∞	Si
23	202792	8	298256	7.9	124.5	268.7	1837	200634	1	289064	7.6	93.4	0	+∞	Si
26	213299	8	310875	8.2	124.5	280	1837	211082	1	299773	7.9	93.4	0	+∞	Si
30	226208	8	326415	8.6	124.5	294	1837	223917	1	312949	8.2	93.4	0	+∞	Si
39	253513	9	357195	9.4	124.5	321.8	1837	250055	2	339004	8.9	93.4	0	+∞	Si
48	284108	3	387579	10.2	124.5	349.1	1837	277044	2	364662	9.6	93.4	0	+∞	Si
56	315427	3	417565	11	124.5	376.2	1837	303636	2	389923	10.3	93.4	0	+∞	Si
65	346349	3	447153	11.8	124.5	402.8	1837	329831	2	414788	10.9	93.4	0	+∞	Si
74	376873	3	476344	12.5	124.5	429.1	1837	355629	2	439256	11.6	93.4	0	+∞	Si
82	406999	3	492222	13	124.5	443.4	1837	381031	2	452538	11.9	93.4	0	+∞	Si
91	436729	3	492222	13	124.5	443.4	1837	406036	2	452538	11.9	93.4	0	+∞	Si
100	466060	3	492222	13	124.5	443.4	1837	430645	2	452538	11.9	93.4	0	+∞	Si
104	480577	3	492222	13	124.5	443.4	1837	442800	2	452538	11.9	93.4	0	+∞	Si
108	492222	3	492222	13	124.5	443.4	1837	452538	2	452538	11.9	93.4	0	+∞	Si
113	509312	3	509312	13.4	124.5	458.8	1837	466813	2	466813	12.3	93.4	0	+∞	Si
121	537650	3	531149	14	124.5	478.5	1837	490430	2	485077	12.8	93.4	0	+∞	Si
130	565590	3	537931	14.2	124.5	484.6	1837	513650	2	490745	12.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
9	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
17	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
23	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
26	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
30	0.005	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.01	2	0.009	2	9999	Si
39	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.012	2	0.012	2	9999	Si
48	0.008	0.007	0.007	0.006	0.007	0.007	0.007	0.006	0.007	0.007	0.015	2	0.014	2	9999	Si
56	0.009	0.008	0.008	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.017	2	0.016	2	9999	Si
65	0.011	0.009	0.009	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.019	2	0.018	2	9999	Si
74	0.012	0.01	0.01	0.009	0.011	0.01	0.01	0.009	0.011	0.01	0.022	2	0.021	2	9999	Si
82	0.013	0.011	0.011	0.01	0.012	0.011	0.011	0.01	0.012	0.011	0.024	2	0.022	2	9999	Si
91	0.015	0.012	0.012	0.01	0.013	0.012	0.011	0.01	0.013	0.012	0.025	2	0.024	2	9999	Si
100	0.016	0.013	0.013	0.011	0.014	0.013	0.012	0.011	0.014	0.013	0.027	2	0.026	2	9999	Si
104	0.016	0.014	0.014	0.011	0.015	0.014	0.012	0.011	0.015	0.014	0.028	2	0.026	2	9999	Si
108	0.017	0.014	0.014	0.012	0.015	0.014	0.013	0.012	0.015	0.014	0.028	2	0.027	2	9999	Si
113	0.017	0.015	0.014	0.012	0.016	0.015	0.013	0.012	0.015	0.015	0.029	2	0.028	2	9999	Si
121	0.018	0.015	0.015	0.013	0.017	0.015	0.014	0.013	0.016	0.015	0.031	2	0.029	2	9999	Si
130	0.019	0.016	0.015	0.013	0.018	0.016	0.014	0.013	0.017	0.016	0.032	2	0.03	2	9999	Si

Campata 2 tra i fili 36B - 49C, sezione R 45x70, asta 695

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	19.01	5.4	19.01	5.4	977245	LU 12	922565	2322809	0.092						Si
23	19.01	5.4	19.01	5.4	871982	LU 12	871982	2322809	0.092						Si
45	18.93	5.4	18.25	5.4	759063	LU 12	871982	2233535	0.091						Si
68	15.72	5.4	16.73	5.4	640874	LU 12	791161	2053016	0.091						Si
79	14.12	5.4	15.21	5.4	579505	LU 12	733681	1872830	0.089						Si
102	7.6	5.4	15.21	5.4	452216	LU 12	614172	1873491	0.092						Si
125	7.6	5.4	15.21	5.4	318861	LU 12	488597	1873491	0.092						Si
147	7.6	5.4	15.21	5.4	179438	LU 12	356955	1873491	0.092	99758	LU 1	-36605	-971252	0.079	Si
170	7.6	5.4	15.21	5.4	34022	LU 11	219246	1873491	0.092	871	LU 8	-173678	-971252	0.079	Si
193	7.6	5.4	15.21	5.4	-86627	LU 2	75474	1873491	0.092	-134164	LU 17	-321189	-971252	0.079	Si
215	7.6	5.4	15.21	5.4						-276596	LU 18	-486460	-971252	0.079	Si
238	7.6	5.4	15.21	5.4						-438938	LU 12	-657942	-971252	0.079	Si
261	11.95	5.4	15.21	5.4						-608706	LU 12	-835495	-1486653	0.084	Si
272	16.33	5.4	15.21	5.4						-695866	LU 12	-926549	-2006067	0.09	Si
295	20.6	5.4	15.21	5.4						-874740	LU 12	-1061087	-2512229	0.097	Si
318	22.81	5.4	15.21	5.4						-1061087	LU 12	-1061087	-2773116	0.1	Si
340	22.81	5.4	15.21	5.4						-1250703	LU 12	-1148307	-2773116	0.1	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.73	0	-4248	LU 12	-4248	-12409	-76908	0	-12409	1	Si
23	0.115	15.21	0	-4496	LU 12	-4496	-12021	-76908	-13338	-13338	1	Si
45	0.115	15.21	0	-4748	LU 12	-4748	-12021	-76908	-13338	-13338	1	Si
68	0.115	15.21	0	-4998	LU 12	-4998	-12021	-76908	-13338	-13338	1	Si
79	0.115	15.21	0	-5123	LU 12	-5123	-12021	-76908	-13338	-13338	1	Si
102	0.13	15.21	0	-5374	LU 12	-5374	-12021	-76908	-15058	-15058	1	Si
125	0.13	15.21	0	-5624	LU 12	-5624	-12021	-76908	-15058	-15058	1	Si
147	0.13	15.21	0	-5874	LU 12	-5874	-12021	-76908	-15058	-15058	1	Si
170	0.13	15.21	0	-6124	LU 12	-6124	-12021	-76908	-15058	-15058	1	Si
193	0.13	7.6	0	-6374	LU 12	-6374	-9541	-76908	-15058	-15058	1	Si
215	0.13	7.6	0	-6625	LU 12	-6625	-9541	-76908	-15058	-15058	1	Si
238	0.13	7.6	0	-6875	LU 12	-6875	-9541	-76908	-15058	-15058	1	Si
261	0.144	7.6	0	-7125	LU 12	-7125	-9541	-76908	-16673	-16673	1	Si
272	0.144	7.6	0	-7250	LU 12	-7250	-9541	-76908	-16673	-16673	1	Si
295	0.144	7.6	0	-7501	LU 12	-7501	-9541	-76908	-16673	-16673	1	Si
318	0.144	10.88	0	-7753	LU 12	-7753	-10752	-76908	-16673	-16673	1	Si
329	0	11.95	0	-7876	LU 12	-7876	-11093	-76908	0	-11093	1	Si
340	0	16.33	0	-8001	LU 12	-8001	-12310	-76908	0	-12310	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	735190	3	694055	18.3	124.5	625.2	1837	659587	2	622692	16.4	93.4	0	+∞	Si
23	655958	3	655958	17.3	124.5	590.9	1837	588321	2	588321	15.5	93.4	0	+∞	Si
45	570865	3	655958	17.5	124.5	614.5	1837	511323	2	588321	15.7	93.4	0	+∞	Si
68	481708	3	595060	17	124.5	608	1837	430211	2	533247	15.2	93.4	0	+∞	Si
79	435380	3	551723	16.6	124.5	618.9	1837	387911	2	493930	14.9	93.4	0	+∞	Si
102	339227	3	461551	15.1	124.5	521.2	1837	299819	2	411806	13.5	93.4	0	+∞	Si
125	238409	3	366715	12	124.5	414.1	1837	207073	2	325029	10.7	93.4	0	+∞	Si
147	132927	3	267214	8.8	124.5	301.7	1837	109674	2	233598	7.7	93.4	0	+∞	Si
170	22828	2	163049	5.3	124.5	184.1	1837	7620	2	137512	4.5	93.4	0	+∞	Si
193	-103070	8	-246345	5.3	124.5	84	1837	-102204	1	-242893	9.3	93.4	0	+∞	Si
215	-212419	9	-371714	8	124.5	126.7	1837	-210452	2	-360226	13.8	93.4	0	+∞	Si
238	-335661	3	-501845	10.8	124.5	171.1	1837	-326471	2	-482215	18.4	93.4	0	+∞	Si
261	-464474	3	-636643	20.6	124.5	901	1837	-447145	2	-608859	19.7	93.4	0	+∞	Si
272	-530630	3	-705793	20.4	124.5	738.4	1837	-509227	2	-673928	19.5	93.4	0	+∞	Si
295	-666444	3	-807990	21.7	124.5	675.9	1837	-636885	2	-770202	20.7	93.4	0	+∞	Si
318	-807990	3	-807990	21	124.5	613.1	1837	-770202	2	-770202	20	93.4	0	+∞	Si
340	-952075	3	-874254	22.7	124.5	663.4	1837	-906168	2	-832674	21.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.019	0.016	0.015	0.013	0.018	0.016	0.014	0.013	0.017	0.016	0.032	2	0.03	2	9999	Si
23	0.02	0.017	0.016	0.014	0.019	0.017	0.015	0.014	0.018	0.017	0.033	2	0.031	2	9999	Si
34	0.021	0.017	0.016	0.014	0.019	0.017	0.015	0.014	0.018	0.017	0.034	2	0.032	2	9999	Si
45	0.021	0.017	0.016	0.014	0.019	0.017	0.015	0.014	0.018	0.017	0.033	2	0.031	2	9999	Si
68	0.02	0.017	0.016	0.013	0.018	0.017	0.014	0.013	0.018	0.017	0.032	2	0.03	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
79	0.019	0.016	0.015	0.013	0.018	0.016	0.014	0.013	0.017	0.016	0.031	2	0.029	2	9999	Si
102	0.018	0.015	0.014	0.011	0.016	0.015	0.013	0.011	0.015	0.015	0.028	2	0.026	2	9999	Si
125	0.015	0.012	0.012	0.01	0.014	0.012	0.011	0.01	0.013	0.012	0.024	2	0.022	2	9999	Si
147	0.013	0.01	0.01	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.02	2	0.018	2	9999	Si
170	0.01	0.008	0.008	0.006	0.009	0.008	0.007	0.006	0.008	0.008	0.015	2	0.013	2	9999	Si
193	0.007	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.01	2	0.009	2	9999	Si
215	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.005	2	0.004	2	9999	Si
238	0.002	0	0.001	0	0.001	0	0.001	0	0.001	0	0.001	2	0	2	9999	Si
261	0	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
272	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.003	2	-0.003	2	9999	Si
295	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
318	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	2	-0.003	2	9999	Si

Campata 3 tra i fili 49C - 60C, sezione R 45x70, asta 694

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4						-840279	LU 12	-783836	-2773116	0.1	Si
23	22.81	5.4	15.21	5.4						-729230	LU 12	-729230	-2773116	0.1	Si
58	19.43	5.4	15.21	5.4						-561157	LU 12	-695881	-2373319	0.095	Si
117	15.21	5.4	15.21	5.4						-317144	LU 12	-434374	-1872760	0.089	Si
175	7.6	5.4	15.21	5.4						-108210	LU 12	-207963	-971252	0.079	Si
233	7.6	5.4	15.21	5.4	74774	LU 10	146884	1873491	0.092	48416	LU 3	-16616	-971252	0.079	Si
262	7.6	5.4	15.21	5.4	147123	LU 10	230920	1873491	0.092						Si
321	7.6	5.4	15.21	5.4	265634	LU 10	361909	1873491	0.092						Si
379	7.6	5.4	15.21	5.4	349237	LU 10	440430	1873491	0.092						Si
437	7.6	5.4	18.49	5.4	398668	LU 11	466525	2262661	0.101						Si
467	7.6	5.4	11.4	5.4	411267	LU 12	459927	1422093	0.084						Si
496	7.6	5.4	11.4	5.4	415159	LU 12	440239	1422093	0.084						Si
554	7.6	5.4	11.4	5.4	396776	LU 12	410282	1422093	0.084						Si
612	7.6	5.4	11.4	5.4	343484	LU 12	374400	1422093	0.084						Si
671	7.6	5.4	11.4	5.4	255207	LU 12	303558	1422093	0.084						Si
700	7.6	5.4	11.4	5.4	197950	LU 12	255018	1422093	0.084						Si
758	11.83	5.4	11.4	5.4	57200	LU 12	131700	1422094	0.084	32591	LU 1	-42028	-1543374	0.085	Si
817	15.21	5.4	11.4	5.4						-135711	LU 10	-237501	-1873055	0.09	Si
852	15.21	5.4	11.4	5.4						-263177	LU 10	-263177	-1873055	0.09	Si
875	15.21	5.4	11.4	5.4						-348693	LU 10	-305021	-1873055	0.09	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.43	0	5086	LU 12	5086	13045	76908	0	13045	1	Si
23	0.068	15.21	0	4854	LU 12	4854	12021	76908	7874	12021	1	Si
58	0.068	15.21	0	4484	LU 12	4484	12021	76908	7874	12021	1	Si
117	0.068	7.6	0	3882	LU 12	3882	9541	76908	7874	9541	1	Si
175	0.068	7.6	0	3281	LU 12	3281	9541	76908	7874	9541	1	Si
233	0.068	15.21	0	2681	LU 12	2681	12021	76908	7874	12021	1	Si
262	0.068	15.21	0	2380	LU 12	2380	12021	76908	7874	12021	1	Si
321	0.068	15.21	0	1781	LU 12	1781	12021	76908	7874	12021	1	Si
379	0.068	15.21	0	1181	LU 12	1181	12021	76908	7874	12021	1	Si
437	0.068	11.4	0	582	LU 12	582	10922	76908	7874	10922	1	Si
496	0.068	11.4	0	-62	LU 10	-62	-10922	-76908	-7874	-10922	1	Si
554	0.068	11.4	0	-659	LU 10	-659	-10922	-76908	-7874	-10922	1	Si
612	0.068	11.4	0	-1258	LU 10	-1258	-10922	-76908	-7874	-10922	1	Si
671	0.068	11.4	0	-1856	LU 10	-1856	-10922	-76908	-7874	-10922	1	Si
700	0.068	11.4	0	-2155	LU 10	-2155	-10922	-76908	-7874	-10922	1	Si
758	0.068	11.4	0	-2754	LU 10	-2754	-10922	-76908	-7874	-10922	1	Si
817	0.068	11.83	0	-3352	LU 10	-3352	-11239	-76908	-7874	-11239	1	Si
852	0.068	15.18	0	-3720	LU 10	-3720	-12013	-76908	-7874	-12013	1	Si
875	0	15.21	0	-3950	LU 10	-3950	-12021	-76908	0	-12021	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-644138	3	-600787	15.6	124.5	455.9	1837	-633858	2	-590818	15.4	93.4	0	+∞	Si
23	-558849	3	-558849	14.5	124.5	424	1837	-549187	2	-549187	14.3	93.4	0	+∞	Si
58	-429772	3	-533236	14.6	124.5	471.9	1837	-421075	2	-523759	14.3	93.4	0	+∞	Si
117	-242400	3	-332414	9.9	124.5	372.6	1837	-235221	2	-324486	9.6	93.4	0	+∞	Si
175	-81999	3	-158575	3.4	124.5	54.1	1837	-76280	2	-152135	5.8	93.4	0	+∞	Si
233	57518	1	112988	3.7	124.5	127.6	1837	57518	1	112988	3.7	93.4	0	+∞	Si
262	113172	1	161948	5.3	124.5	182.9	1837	113172	1	161948	5.3	93.4	0	+∞	Si
321	204334	1	239727	7.9	124.5	270.7	1837	204334	1	239727	7.9	93.4	0	+∞	Si
379	268644	1	290661	9.5	124.5	328.2	1837	268644	1	290661	9.5	93.4	0	+∞	Si
437	306594	2	316118	9.7	124.5	296	1837	306258	2	315162	9.7	93.4	0	+∞	Si
496	319007	3	319007	11.6	124.5	475	1837	317418	2	317418	11.5	93.4	0	+∞	Si
554	304595	3	315119	11.4	124.5	469.2	1837	301754	2	312901	11.4	93.4	0	+∞	Si
612	263333	3	287247	10.4	124.5	427.7	1837	259258	2	283783	10.3	93.4	0	+∞	Si
671	195168	3	232489	8.4	124.5	346.2	1837	189893	2	227808	8.3	93.4	0	+∞	Si
700	150996	3	195021	7.1	124.5	290.4	1837	145136	2	189745	6.9	93.4	0	+∞	Si
758	42479	3	99909	3.4	124.5	148.2	1837	35470	2	93469	3.2	93.4	0	+∞	Si
817	-104393	1	-182693	5.7	124.5	205.4	1837	-104393	1	-182693	5.7	93.4	0	+∞	Si
852	-202444	1	-202444	6.3	124.5	227.6	1837	-202444	1	-202444	6.3	93.4	0	+∞	Si
875	-268225	1	-234632	7.3	124.5	263.8	1837	-268225	1	-234632	7.3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
23	0.001	0	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
58	0.003	0.002	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	1	0.006	1	9999	Si
117	0.009	0.009	0.008	0.007	0.009	0.009	0.008	0.007	0.009	0.009	0.021	1	0.02	1	9999	Si
175	0.017	0.017	0.015	0.015	0.017	0.017	0.015	0.015	0.017	0.017	0.039	1	0.039	1	9999	Si
233	0.027	0.026	0.023	0.023	0.027	0.026	0.023	0.023	0.027	0.026	0.059	1	0.059	1	9999	Si
262	0.031	0.031	0.027	0.027	0.031	0.031	0.027	0.027	0.031	0.031	0.069	1	0.069	1	9999	Si
321	0.039	0.039	0.034	0.034	0.039	0.039	0.034	0.034	0.039	0.039	0.087	1	0.086	1	9999	Si
379	0.045	0.045	0.039	0.039	0.045	0.045	0.039	0.039	0.045	0.045	0.1	1	0.1	1	8757	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
437	0.048	0.048	0.042	0.042	0.048	0.048	0.042	0.042	0.048	0.048	0.108	2	0.108	2	8109	Si
496	0.049	0.049	0.043	0.043	0.049	0.049	0.043	0.043	0.049	0.049	0.11	2	0.109	2	7980	Si
554	0.047	0.047	0.041	0.041	0.047	0.047	0.041	0.041	0.047	0.047	0.105	2	0.104	2	8363	Si
612	0.042	0.041	0.037	0.036	0.042	0.041	0.036	0.036	0.042	0.041	0.093	2	0.093	2	9389	Si
671	0.034	0.034	0.03	0.03	0.034	0.034	0.03	0.03	0.034	0.034	0.076	2	0.076	2	9999	Si
700	0.03	0.029	0.026	0.026	0.03	0.029	0.026	0.026	0.03	0.029	0.066	2	0.066	2	9999	Si
758	0.02	0.02	0.017	0.017	0.02	0.02	0.017	0.017	0.02	0.02	0.044	2	0.044	2	9999	Si
817	0.01	0.009	0.008	0.008	0.009	0.009	0.008	0.008	0.009	0.009	0.021	2	0.021	2	9999	Si
852	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.008	2	0.008	2	9999	Si

Trave a "Piano Terra" 25D-25B

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x50	Rettangolare	40	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - 29A, sezione R 40x50, asta 712

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	47482	LU 11	47482	659306	0.113						Si
9	7.6	5.4	7.6	5.4	50345	LU 11	50345	659306	0.113						Si
17	7.6	5.4	7.6	5.4	51579	LU 11	51579	659306	0.113						Si
25	7.6	5.4	7.6	5.4	51275	LU 11	51275	659306	0.113						Si
30	7.6	5.4	7.6	5.4	50373	LU 11	51275	659306	0.113						Si
39	7.6	5.4	7.6	5.4	47532	LU 11	51275	659306	0.113						Si
48	7.6	5.4	7.6	5.4	43061	LU 11	50884	659306	0.113						Si
56	7.6	5.4	7.6	5.4	36961	LU 11	48558	659306	0.113						Si
65	7.6	5.4	10.71	5.4	29231	LU 11	44602	904668	0.123						Si
74	7.6	5.4	11.88	5.4	19871	LU 11	39016	996657	0.127	10600	LU 8	-10868	-659802	0.115	Si
82	7.6	5.4	13.05	5.4	8975	LU 10	31800	1088550	0.131	3366	LU 9	-25290	-659887	0.116	Si
91	7.6	5.4	14.21	5.4	-1857	LU 1	22955	1180389	0.135	-6633	LU 18	-39403	-659961	0.116	Si
100	7.6	5.4	15.21	5.4	-11872	LU 1	12480	1258288	0.139	-20490	LU 18	-39403	-660015	0.116	Si
104	7.6	5.4	15.21	5.4	-17350	LU 1	6952	1258288	0.139	-28090	LU 18	-39403	-660015	0.116	Si
110	7.6	5.4	15.21	5.4						-39403	LU 18	-39403	-660015	0.116	Si
113	7.6	5.4	15.21	5.4						-44629	LU 18	-44251	-660015	0.116	Si
121	7.6	5.4	15.21	5.4						-62957	LU 18	-55225	-660015	0.116	Si
130	7.6	5.4	15.21	5.4						-83072	LU 18	-58883	-660015	0.116	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	770	LU 17	770	7391	47198	0	7391	1	Si
9	0	7.6	0	563	LU 17	563	7391	47198	0	7391	1	Si
17	0	7.6	0	357	LU 17	357	7391	47198	0	7391	1	Si
25	0.071	7.6	0	175	LU 17	175	7391	47198	5688	7391	1	Si
25	0.071	7.6	0	-124	LU 2	-124	-7391	-47198	-5688	-7391	1	Si
30	0.071	7.6	0	69	LU 8	69	7391	47198	5688	7391	1	Si
30	0.071	7.6	0	-234	LU 11	-234	-7391	-47198	-5688	-7391	1	Si
39	0.071	7.6	0	-422	LU 11	-422	-7391	-47198	-5688	-7391	1	Si
48	0.071	7.6	0	-610	LU 11	-610	-7391	-47198	-5688	-7391	1	Si
56	0.071	7.6	0	-798	LU 11	-798	-7391	-47198	-5688	-7391	1	Si
65	0.071	7.6	0	-986	LU 11	-986	-7391	-47198	-5688	-7391	1	Si
74	0.071	7.6	0	-1174	LU 11	-1174	-7391	-47198	-5688	-7391	1	Si
82	0.071	7.6	0	-1362	LU 11	-1362	-7391	-47198	-5688	-7391	1	Si
91	0.071	7.6	0	-1550	LU 11	-1550	-7391	-47198	-5688	-7391	1	Si
100	0.071	7.6	0	-1741	LU 12	-1741	-7391	-47198	-5688	-7391	1	Si
104	0.071	7.6	0	-1838	LU 12	-1838	-7391	-47198	-5688	-7391	1	Si
110	0.071	7.6	0	-1973	LU 12	-1973	-7391	-47198	-5688	-7391	1	Si
113	0	7.6	0	-2033	LU 12	-2033	-7391	-47198	0	-7391	1	Si
121	0	7.6	0	-2227	LU 12	-2227	-7391	-47198	0	-7391	1	Si
130	0	7.6	0	-2424	LU 18	-2424	-7391	-47198	0	-7391	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	35336	2	35336	2.9	124.5	115.4	1837	29930	2	29930	1.8	93.4	0	+∞	Si
9	37665	2	37665	3.1	124.5	123	1837	32832	2	32832	2.7	93.4	0	+∞	Si
17	38740	2	38740	3.1	124.5	126.5	1837	34481	2	34481	2.8	93.4	0	+∞	Si
25	38618	2	38618	3.1	124.5	126.1	1837	34867	2	34876	2.8	93.4	0	+∞	Si
30	38002	2	38618	3.1	124.5	126.1	1837	34603	2	34876	2.8	93.4	0	+∞	Si
39	35942	2	38618	3.1	124.5	126.1	1837	33118	2	34876	2.8	93.4	0	+∞	Si
48	32630	2	38355	3.1	124.5	125.3	1837	30379	2	34776	2.8	93.4	0	+∞	Si
56	28063	2	36692	3	124.5	119.8	1837	26386	2	33686	2.7	93.4	0	+∞	Si
65	22243	2	33775	1.8	124.5	79.3	1837	21139	2	31342	2.2	93.4	0	+∞	Si
74	15169	2	29604	2	124.5	62.9	1837	14639	2	27745	1.9	93.4	0	+∞	Si
82	6904	1	24180	1.6	124.5	47	1837	6904	1	22895	1.5	93.4	0	+∞	Si
91	-4670	9	-29667	2.2	124.5	96.8	1837	-2122	2	-26292	1.9	93.4	0	+∞	Si
100	-15243	9	-29667	2.2	124.5	96.8	1837	-12383	2	-26292	1.9	93.4	0	+∞	Si
104	-21040	9	-29667	2.2	124.5	96.8	1837	-17983	2	-26292	1.9	93.4	0	+∞	Si
110	-29667	9	-29667	2.2	124.5	96.8	1837	-26292	2	-26292	1.9	93.4	0	+∞	Si
113	-33652	9	-33364	1.8	124.5	108.9	1837	-30124	2	-29848	2.2	93.4	0	+∞	Si
121	-47624	9	-41732	3	124.5	136.2	1837	-43519	2	-37896	2.8	93.4	0	+∞	Si
130	-62954	9	-44521	3.2	124.5	145.3	1837	-58167	2	-40579	3	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
9	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
17	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
25	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
30	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
39	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
48	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
56	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
65	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
74	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
82	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
91	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
100	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
104	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
110	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
113	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
121	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Campata 2 tra i fili 29A - 25B, sezione R 40x50, asta 711

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	15.21	5.4	291887	LU 11	291887	1258288	0.139						Si
20	7.6	5.4	15.21	5.4	307338	LU 11	314384	1258288	0.139						Si
24	7.6	5.4	15.21	5.4	309612	LU 11	314770	1258288	0.139						Si
47	7.6	5.4	15.21	5.4	315148	LU 11	315148	1258288	0.139						Si
71	7.6	5.4	15.21	5.4	309635	LU 12	314600	1258288	0.139						Si
95	7.6	5.4	13.75	5.4	292648	LU 12	307533	1144072	0.133						Si
106	7.6	5.4	12.16	5.4	280906	LU 18	299658	1018636	0.128						Si
118	7.6	5.4	7.6	5.4	267051	LU 18	288629	659306	0.113						Si
130	7.6	5.4	7.6	5.4	249850	LU 18	276695	659306	0.113						Si
154	7.6	5.4	7.6	5.4	206196	LU 17	243605	659306	0.113						Si
177	7.6	5.4	7.6	5.4	155217	LU 17	198957	659306	0.113						Si
201	7.6	5.4	7.6	5.4	90850	LU 17	154059	659306	0.113	36730	LU 2	-20874	-659306	0.113	Si
225	7.6	5.4	7.6	5.4	13429	LU 8	122881	659306	0.113	-31955	LU 11	-114696	-659306	0.113	Si
248	7.6	5.4	7.6	5.4	-57340	LU 8	71614	659306	0.113	-130070	LU 11	-223157	-659306	0.113	Si
272	14.06	5.4	7.6	5.4	-138688	LU 8	256	659953	0.116	-240385	LU 11	-343819	-1168272	0.135	Si
284	15.73	5.4	7.6	5.4						-300118	LU 11	-408726	-1299742	0.141	Si
308	19.01	5.4	7.6	5.4						-428735	LU 11	-549292	-1556268	0.155	Si
330	19.01	5.4	7.6	5.4						-563294	LU 12	-563294	-1556268	0.155	Si
331	19.01	5.4	7.6	5.4						-571542	LU 12	-571456	-1556268	0.155	Si
355	19.01	5.4	7.6	5.4						-727424	LU 12	-641914	-1556268	0.155	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	1804	LU 17	1804	9313	47198	0	9313	1	Si
20	0.06	15.21	0	1327	LU 17	1327	9313	47198	4835	9313	1	Si
24	0.06	15.21	0	1239	LU 17	1239	9313	47198	4835	9313	1	Si
47	0.06	13.75	0	674	LU 17	674	9006	47198	4835	9006	1	Si
47	0.06	13.75	0	-114	LU 2	-114	-9006	-47198	-4835	-9006	1	Si
71	0.129	7.6	0	137	LU 8	137	7391	47198	10360	10360	1	Si
71	0.129	7.6	0	-539	LU 11	-539	-7391	-47198	-10360	-10360	1	Si
95	0.129	7.6	0	-1054	LU 11	-1054	-7391	-47198	-10360	-10360	1	Si
106	0.129	7.6	0	-1311	LU 11	-1311	-7391	-47198	-10360	-10360	1	Si
130	0.129	7.6	0	-1827	LU 11	-1827	-7391	-47198	-10360	-10360	1	Si
154	0.129	7.6	0	-2342	LU 11	-2342	-7391	-47198	-10360	-10360	1	Si
177	0.129	7.6	0	-2857	LU 11	-2857	-7391	-47198	-10360	-10360	1	Si
201	0.129	7.6	0	-3385	LU 12	-3385	-7391	-47198	-10360	-10360	1	Si
225	0.129	7.6	0	-3918	LU 12	-3918	-7391	-47198	-10360	-10360	1	Si
248	0.129	7.6	0	-4452	LU 12	-4452	-7391	-47198	-10360	-10360	1	Si
272	0.129	7.6	0	-4990	LU 18	-4990	-7391	-47198	-10360	-10360	1	Si
284	0.161	7.6	0	-5273	LU 18	-5273	-7391	-47198	-12892	-12892	1	Si
308	0.161	12.39	0	-5839	LU 18	-5839	-8697	-47198	-12892	-12892	1	Si
330	0.161	15.73	0	-6373	LU 18	-6373	-9419	-47198	-12892	-12892	1	Si
331	0	15.73	0	-6405	LU 18	-6405	-9419	-47198	0	-9419	1	Si
355	0	19.01	0	-6972	LU 18	-6972	-10032	-47198	0	-10032	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	218118	2	218118	13.9	124.5	365.9	1837	188951	2	188951	12.1	93.4	0	+∞	Si
20	230852	2	237123	15.1	124.5	397.8	1837	205545	2	215691	13.8	93.4	0	+∞	Si
24	232756	2	237576	15.2	124.5	398.6	1837	208157	2	216851	13.8	93.4	0	+∞	Si
47	238019	2	238019	15.2	124.5	399.3	1837	217988	2	219388	14	93.4	0	+∞	Si
71	234666	3	237750	15.2	124.5	398.9	1837	218443	2	219388	14	93.4	0	+∞	Si
95	222412	3	233171	15.4	124.5	430.6	1837	209520	2	217443	14.3	93.4	0	+∞	Si
106	213651	9	227518	15.6	124.5	472.8	1837	201541	2	213441	14.7	93.4	0	+∞	Si
130	190142	9	210465	17.1	124.5	687.3	1837	178550	2	198403	16.1	93.4	0	+∞	Si
154	156984	8	185410	15.1	124.5	605.5	1837	146404	1	173987	14.1	93.4	0	+∞	Si
177	117693	8	151400	12.3	124.5	494.4	1837	106610	1	140713	11.4	93.4	0	+∞	Si
201	68224	8	110562	9	124.5	361	1837	57433	1	99493	8.1	93.4	0	+∞	Si
225	8577	8	59546	4.8	124.5	194.5	1837								Si
225	-21454	2	-84249	6.8	124.5	275.1	1837	-7224	2	-66145	5.4	93.4	0	+∞	Si
248	-95923	2	-166676	13.5	124.5	544.3	1837	-77125	2	-144005	11.7	93.4	0	+∞	Si
272	-179776	2	-258489	16.9	124.5	467.4	1837	-156410	2	-231250	15.1	93.4	0	+∞	Si
284	-225223	2	-307916	19.4	124.5	500	1837	-199573	2	-278392	17.6	93.4	0	+∞	Si
308	-323155	2	-414876	24.7	124.5	562.7	1837	-292937	2	-379717	22.6	93.4	0	+∞	Si
330	-425525	3	-425525	25.3	124.5	577.1	1837	-389768	2	-389768	23.2	93.4	0	+∞	Si
331	-431799	3	-431734	25.7	124.5	585.6	1837	-395689	2	-395631	23.5	93.4	0	+∞	Si
355	-550411	3	-485330	28.9	124.5	658.3	1837	-507829	2	-446238	26.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
20	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
24	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.009	2	0.009	2	9999	Si
47	0.008	0.008	0.007	0.006	0.008	0.008	0.007	0.006	0.008	0.008	0.016	2	0.016	2	9999	Si
71	0.011	0.01	0.009	0.008	0.01	0.01	0.009	0.008	0.01	0.01	0.021	2	0.021	2	9999	Si
95	0.012	0.012	0.01	0.01	0.012	0.012	0.01	0.01	0.012	0.012	0.024	2	0.024	2	9999	Si
106	0.013	0.012	0.01	0.01	0.012	0.012	0.01	0.01	0.012	0.012	0.024	1	0.024	1	9999	Si
118	0.013	0.012	0.011	0.01	0.012	0.012	0.01	0.01	0.012	0.012	0.025	1	0.025	1	9999	Si
130	0.013	0.011	0.011	0.009	0.012	0.012	0.01	0.01	0.012	0.012	0.024	1	0.024	1	9999	Si
154	0.012	0.01	0.01	0.008	0.011	0.011	0.009	0.009	0.011	0.011	0.022	1	0.022	1	9999	Si
177	0.01	0.008	0.008	0.007	0.009	0.009	0.008	0.007	0.009	0.009	0.019	1	0.018	1	9999	Si
201	0.008	0.006	0.006	0.004	0.007	0.007	0.006	0.005	0.007	0.007	0.014	1	0.013	1	9999	Si
225	0.006	0.003	0.004	0.002	0.005	0.004	0.004	0.003	0.005	0.004	0.009	1	0.008	1	9999	Si
248	0.003	0.001	0.002	0	0.002	0.001	0.001	0.001	0.002	0.002	0.004	1	0.003	1	9999	Si
272	0.001	-0.002	0	-0.002	0	-0.001	0	-0.001	0	-0.001	-0.001	1	-0.002	1	9999	Si
284	0	-0.002	-0.001	-0.003	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
308	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
330	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
331	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si

Trave a "Piano Terra" 29A-(2291; 3881)

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x50	Rettangolare	30	50	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 29A - 29B, sezione R 30x50, asta 719

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-712583	LU 12	-649481	-644450	0.121	No
15	7.6	5.4	11.4	5.4						-589141	LU 12	-589141	-644450	0.121	Si
23	7.6	5.4	11.4	5.4						-522680	LU 12	-589141	-644450	0.121	Si
47	7.6	5.4	11.4	5.4						-352591	LU 18	-497720	-644450	0.121	Si
70	7.6	5.4	11.4	5.4						-209281	LU 17	-330628	-644450	0.121	Si
93	7.6	5.4	11.4	5.4	-24619	LU 2	68937	943473	0.135	-83065	LU 17	-191246	-644450	0.121	Si
105	7.6	5.4	11.4	5.4	28105	LU 2	128538	943473	0.135	-24057	LU 17	-127536	-644450	0.121	Si
128	7.6	5.4	11.4	5.4	144911	LU 11	236302	943473	0.135	64857	LU 8	-8316	-644450	0.121	Si
152	7.6	5.4	11.4	5.4	250542	LU 11	328816	943473	0.135						Si
175	7.6	5.4	11.4	5.4	340923	LU 11	406078	943473	0.135						Si
198	7.6	5.4	11.4	5.4	416052	LU 11	468090	943473	0.135						Si
222	7.6	5.4	11.4	5.4	475932	LU 11	515012	943473	0.135						Si
245	7.6	5.4	11.4	5.4	520775	LU 12	546916	943473	0.135						Si
268	7.6	5.4	11.4	5.4	550547	LU 12	559705	943473	0.135						Si
280	7.6	5.4	11.4	5.4	559705	LU 12	559705	943473	0.135						Si
303	7.6	5.4	11.4	5.4	573971	LU 18	572091	943473	0.135						Si
327	7.6	5.4	11.4	5.4	593383	LU 17	582372	943473	0.135						Si
350	7.6	5.4	11.4	5.4	619551	LU 17	585799	943473	0.135						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	8463	LU 12	8463	6101	35398	0	6101	1	Si
15	0.201	7.6	0	8045	LU 12	8045	6101	35398	16115	16115	1	Si
23	0.201	7.6	0	7812	LU 12	7812	6101	35398	16115	16115	1	Si
47	0.201	7.6	0	7158	LU 12	7158	6101	35398	16115	16115	1	Si
70	0.171	7.6	0	6505	LU 12	6505	6101	35398	13674	13674	1	Si
93	0.171	7.6	0	5851	LU 12	5851	6101	35398	13674	13674	1	Si
105	0.171	11.4	0	5524	LU 12	5524	6984	35398	13674	13674	1	Si
128	0.171	11.4	0	4871	LU 12	4871	6984	35398	13674	13674	1	Si
152	0.171	11.4	0	4217	LU 12	4217	6984	35398	13674	13674	1	Si
175	0.171	11.4	0	3590	LU 18	3590	6984	35398	13674	13674	1	Si
198	0.171	11.4	0	3067	LU 17	3067	6984	35398	13674	13674	1	Si
222	0.171	11.4	0	2598	LU 17	2598	6984	35398	13674	13674	1	Si
245	0.121	11.4	0	2129	LU 17	2129	6984	35398	9669	9669	1	Si
268	0.121	11.4	0	1661	LU 17	1661	6984	35398	9669	9669	1	Si
280	0.121	11.4	0	1413	LU 17	1413	6984	35398	9669	9669	1	Si
303	0	11.4	0	1292	LU 17	1292	6984	35398	0	6984	1	Si
327	0	11.4	0	1178	LU 17	1178	6984	35398	0	6984	1	Si
350	0	11.4	0	1065	LU 17	1065	6984	35398	0	6984	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-540700	3	-493290	42.9	124.5	1622.9	1837	-506060	2	-463817	40.3	93.4	0	+∞	Si
15	-447924	3	-447924	38.9	124.5	1473.7	1837	-423255	2	-423255	36.8	93.4	0	+∞	Si
23	-397950	3	-447924	38.9	124.5	1473.7	1837	-378540	2	-423255	36.8	93.4	0	+∞	Si
47	-269532	9	-379170	32.9	124.5	1247.5	1837	-260294	2	-361678	31.4	93.4	0	+∞	Si
70	-160087	8	-252906	22	124.5	832.1	1837	-154247	1	-244729	21.3	93.4	0	+∞	Si
93	-63160	8	-146237	12.7	124.5	481.1	1837	-58371	1	-140544	12.2	93.4	0	+∞	Si
105	14208	2	93469	7.6	124.5	208.5	1837								Si
105	-17850	8	-97310	8.5	124.5	320.2	1837	-13586	1	-92143	8	93.4	0	+∞	Si
128	105898	2	175449	14.3	124.5	391.4	1837	80542	2	146682	12	93.4	0	+∞	Si
152	186299	2	246140	20.1	124.5	549.2	1837	157059	2	215222	17.6	93.4	0	+∞	Si
175	255411	2	305543	24.9	124.5	681.7	1837	224302	2	274489	21.8	93.4	0	+∞	Si
198	313235	2	353658	28.8	124.5	789.1	1837	282273	2	324483	26.5	93.4	0	+∞	Si
222	359771	2	390591	31.9	124.5	871.5	1837	330970	2	365204	29.8	93.4	0	+∞	Si
245	395162	3	416391	34	124.5	929	1837	370394	2	396652	31.8	93.4	0	+∞	Si
268	419384	3	427255	34.8	124.5	953.3	1837	400544	2	412137	33.6	93.4	0	+∞	Si
280	427255	3	427255	34.8	124.5	953.3	1837	412137	2	412137	33.6	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
303	439833	9	438195	35.7	124.5	977.7	1837	431577	2	429307	35	93.4	0	+∞	Si
327	455568	8	446660	36.4	124.5	996.5	1837	449847	1	439609	35.9	93.4	0	+∞	Si
350	475536	8	449481	36.7	124.5	1002.8	1837	468764	1	443043	36.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	51.4	0.00047	0.0243	3	51.4	0.00047	0.0242	2	51.4	0.00046	0.0236	2	Si
15	superiore	51.4	0.00043	0.022	3	51.4	0.00041	0.0211	2	51.4	0.00041	0.0208	2	Si
23	superiore	51.4	0.00043	0.022	3	51.4	0.00041	0.0211	2	51.4	0.00041	0.0208	2	Si
47	superiore	51.4	0.00036	0.0187	3	51.4	0.00035	0.018	2	51.4	0.00035	0.0178	2	Si
245	inferiore	37.1	0.00027	0.01	3	37.1	0.00026	0.0097	2	37.1	0.00026	0.0096	2	Si
268	inferiore	37.1	0.00028	0.0103	3	37.1	0.00027	0.01	2	37.1	0.00027	0.0099	2	Si
280	inferiore	37.1	0.00028	0.0103	3	37.1	0.00027	0.01	2	37.1	0.00027	0.0099	2	Si
303	inferiore	37.1	0.00028	0.0106	9	37.1	0.00028	0.0104	2	37.1	0.00028	0.0103	2	Si
327	inferiore	37.1	0.00029	0.0108	9	37.1	0.00029	0.0106	2	37.1	0.00029	0.0106	2	Si
350	inferiore	37.1	0.00029	0.0108	9	37.1	0.00029	0.0107	2	37.1	0.00029	0.0107	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
15	0.001	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
23	0.001	0	0.001	0	0.001	0	0	0	0.001	0	0	2	0	2	9999	Si
47	0.005	0.003	0.004	0.002	0.004	0.003	0.003	0.002	0.004	0.003	0.007	2	0.006	2	9999	Si
70	0.01	0.007	0.008	0.006	0.009	0.007	0.007	0.006	0.008	0.007	0.016	2	0.016	2	9999	Si
93	0.016	0.012	0.014	0.01	0.014	0.012	0.012	0.01	0.013	0.012	0.028	2	0.027	2	9999	Si
105	0.019	0.015	0.016	0.013	0.017	0.015	0.015	0.013	0.016	0.015	0.034	2	0.032	2	9999	Si
128	0.025	0.02	0.022	0.017	0.023	0.02	0.02	0.018	0.022	0.02	0.046	2	0.044	2	7561	Si
152	0.03	0.025	0.027	0.022	0.028	0.025	0.024	0.022	0.027	0.025	0.057	2	0.055	2	6090	Si
175	0.035	0.029	0.031	0.025	0.032	0.029	0.028	0.026	0.031	0.029	0.067	2	0.064	2	5243	Si
198	0.037	0.031	0.033	0.028	0.034	0.032	0.031	0.028	0.033	0.032	0.073	2	0.07	2	4772	Si
222	0.038	0.032	0.034	0.029	0.035	0.032	0.032	0.029	0.034	0.033	0.077	2	0.074	2	4573	Si
233	0.037	0.032	0.034	0.029	0.035	0.032	0.031	0.029	0.034	0.032	0.077	2	0.074	2	4565	Si
245	0.036	0.031	0.033	0.029	0.034	0.031	0.031	0.029	0.033	0.031	0.076	2	0.073	2	4621	Si
268	0.032	0.028	0.03	0.026	0.03	0.028	0.028	0.026	0.029	0.028	0.07	2	0.068	2	4970	Si
280	0.029	0.026	0.028	0.024	0.027	0.026	0.026	0.024	0.027	0.026	0.066	2	0.064	2	5334	Si
303	0.021	0.019	0.021	0.019	0.02	0.019	0.02	0.019	0.019	0.019	0.051	2	0.05	2	6865	Si
327	0.011	0.01	0.012	0.011	0.01	0.01	0.011	0.011	0.01	0.01	0.029	2	0.029	2	9999	Si

Trave a "Piano Terra" 36A-(2281; 3566)

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 36A - 36B, sezione R 45x70, asta 707

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	19.01	5.4						-659758	LU 12	-582743	-3222510	0.102	Si
22	26.61	5.4	19.01	5.4						-505342	LU 12	-505342	-3222510	0.102	Si
23	26.61	5.4	19.01	5.4						-502326	LU 12	-502326	-3222510	0.102	Si
44	26.61	5.4	19.01	5.4						-365625	LU 12	-502326	-3222510	0.102	Si
66	26.61	5.4	19.01	5.4						-246299	LU 18	-409045	-3222510	0.102	Si
88	26.61	5.4	19.01	5.4	-94548	LU 2	5995	2322404	0.09	-154417	LU 17	-282450	-3222510	0.102	Si
99	26.61	5.4	19.01	5.4	-53815	LU 2	38703	2322404	0.09	-115877	LU 17	-227049	-3222510	0.102	Si
121	23.86	5.4	19.01	5.4	18527	LU 2	103279	2322514	0.091	-47094	LU 17	-140479	-2897444	0.098	Si
143	19.71	5.4	19.01	5.4	83380	LU 11	157240	2322770	0.092	5944	LU 8	-68165	-2405704	0.093	Si
165	11.4	5.4	17.33	5.4	142043	LU 11	196467	2125445	0.094	41930	LU 8	-7580	-1422107	0.084	Si
187	11.4	5.4	11.4	5.4	185974	LU 11	220956	1422094	0.084						Si
209	11.4	5.4	11.4	5.4	215167	LU 11	230699	1422094	0.084						Si
231	11.4	5.4	11.4	5.4	229617	LU 11	231313	1422094	0.084						Si
253	11.4	5.4	11.4	5.4	229320	LU 11	231313	1422094	0.084						Si
264	11.4	5.4	11.4	5.4	223640	LU 11	231313	1422094	0.084						Si
286	11.4	5.4	11.4	5.4	201212	LU 11	227266	1422094	0.084						Si
308	11.4	5.4	11.4	5.4	164883	LU 11	210097	1422094	0.084						Si
309	11.4	5.4	11.4	5.4	164023	LU 11	163894	1422094	0.084						Si
331	11.4	5.4	11.4	5.4	112069	LU 11	112069	1422094	0.084						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	7870	LU 12	7870	14486	76908	0	14486	1	Si
22	0	26.61	0	7163	LU 12	7163	14486	76908	0	14486	1	Si
23	0.158	26.61	0	7148	LU 12	7148	14486	76908	18340	18340	1	Si
44	0.158	25.94	0	6447	LU 12	6447	14363	76908	18340	18340	1	Si
66	0.158	21.78	0	5731	LU 12	5731	13551	76908	18340	18340	1	Si
88	0.158	17.63	0	5014	LU 12	5014	12628	76908	18340	18340	1	Si
99	0.138	11.4	0	4656	LU 12	4656	10922	76908	16037	16037	1	Si
121	0.138	11.4	0	3939	LU 12	3939	10922	76908	16037	16037	1	Si
143	0.138	11.4	0	3222	LU 12	3222	10922	76908	16037	16037	1	Si
165	0.138	11.4	0	2504	LU 12	2504	10922	76908	16037	16037	1	Si
187	0.138	11.4	0	1786	LU 12	1786	10922	76908	16037	16037	1	Si
209	0.138	11.4	0	1069	LU 12	1069	10922	76908	16037	16037	1	Si
231	0.138	11.4	0	384	LU 17	384	10922	76908	16037	16037	1	Si
253	0.129	11.4	0	-374	LU 11	-374	-10922	-76908	-15005	-15005	1	Si
264	0.129	11.4	0	-733	LU 11	-733	-10922	-76908	-15005	-15005	1	Si
286	0.129	11.4	0	-1452	LU 11	-1452	-10922	-76908	-15005	-15005	1	Si
308	0.129	11.4	0	-2156	LU 11	-2156	-10922	-76908	-15005	-15005	1	Si
309	0	11.4	0	-2171	LU 11	-2171	-10922	-76908	0	-10922	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
331	0	11.4	0	-2894	LU 11	-2894	-10922	-76908	0	-10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-496220	3	-438842	10.4	124.5	286.1	1837	-444257	2	-395367	9.4	93.4	0	+∞	Si
22	-381164	3	-381164	9	124.5	248.5	1837	-346174	2	-346174	8.2	93.4	0	+∞	Si
23	-378917	3	-378917	9	124.5	247	1837	-344257	2	-344257	8.2	93.4	0	+∞	Si
44	-277041	3	-378917	9	124.5	247	1837	-257320	2	-344257	8.2	93.4	0	+∞	Si
66	-187645	9	-309401	7.3	124.5	201.7	1837	-177699	2	-284943	6.8	93.4	0	+∞	Si
88	-117679	8	-214797	5.1	124.5	140	1837	-110507	1	-202375	4.8	93.4	0	+∞	Si
99	-88055	8	-173185	4.1	124.5	112.9	1837	-81030	1	-164554	3.9	93.4	0	+∞	Si
121	2865	2	72536	1.8	124.5	65.1	1837								Si
121	-35190	8	-106965	2.6	124.5	77.4	1837	-28459	1	-99846	1.8	93.4	0	+∞	Si
143	57667	2	112887	2.9	124.5	101.6	1837	28220	2	76181	2	93.4	0	+∞	Si
165	101515	2	142279	4.2	124.5	141.1	1837	66255	2	102014	3	93.4	0	+∞	Si
187	134405	2	160710	5.5	124.5	238.5	1837	95041	2	118595	4.1	93.4	0	+∞	Si
209	156335	2	168174	5.8	124.5	249.6	1837	114575	2	125919	4.3	93.4	0	+∞	Si
231	167300	2	168670	5.8	124.5	250.4	1837	124854	2	126522	4.4	93.4	0	+∞	Si
253	167296	2	168670	5.8	124.5	250.4	1837	125875	2	126522	4.4	93.4	0	+∞	Si
264	163180	2	168670	5.8	124.5	250.4	1837	122912	2	126522	4.4	93.4	0	+∞	Si
286	146717	2	165808	5.7	124.5	246.1	1837	110040	2	124803	4.3	93.4	0	+∞	Si
308	119911	2	153252	5.3	124.5	227.5	1837	88417	2	115207	4	93.4	0	+∞	Si
309	119276	2	119181	4.1	124.5	176.9	1837	87903	2	87823	3	93.4	0	+∞	Si
331	80854	2	80854	2.8	124.5	120	1837	56496	2	56496	1.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	0.001	0	0.001	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
23	0.001	0	0.001	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
44	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
66	0.003	0.001	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.002	0.006	2	0.005	2	9999	Si
88	0.005	0.002	0.005	0.003	0.004	0.002	0.004	0.003	0.003	0.002	0.009	2	0.007	2	9999	Si
99	0.006	0.003	0.006	0.003	0.004	0.003	0.005	0.003	0.004	0.003	0.011	2	0.009	2	9999	Si
121	0.007	0.004	0.007	0.004	0.006	0.004	0.006	0.005	0.005	0.004	0.014	2	0.012	2	9999	Si
143	0.009	0.005	0.009	0.006	0.007	0.005	0.007	0.006	0.006	0.005	0.017	2	0.015	2	9999	Si
165	0.01	0.006	0.011	0.007	0.008	0.006	0.009	0.007	0.008	0.006	0.021	2	0.018	2	9999	Si
187	0.012	0.007	0.012	0.008	0.01	0.007	0.01	0.008	0.009	0.007	0.024	2	0.021	2	9999	Si
209	0.013	0.008	0.014	0.009	0.011	0.008	0.012	0.009	0.01	0.008	0.027	2	0.024	2	9999	Si
231	0.014	0.009	0.015	0.01	0.012	0.009	0.013	0.01	0.011	0.009	0.029	2	0.026	2	9999	Si
253	0.015	0.009	0.016	0.011	0.012	0.01	0.014	0.011	0.011	0.01	0.032	2	0.028	2	9999	Si
264	0.015	0.01	0.016	0.011	0.013	0.01	0.014	0.012	0.011	0.01	0.033	2	0.029	2	9999	Si
286	0.016	0.01	0.017	0.012	0.013	0.01	0.015	0.012	0.012	0.01	0.034	2	0.031	2	9999	Si
308	0.016	0.01	0.018	0.013	0.013	0.011	0.015	0.013	0.012	0.011	0.036	2	0.032	2	9999	Si
309	0.016	0.01	0.018	0.013	0.013	0.011	0.015	0.013	0.012	0.011	0.036	2	0.032	2	9999	Si
331	0.016	0.01	0.018	0.013	0.013	0.011	0.016	0.013	0.012	0.011	0.037	2	0.033	2	9999	Si

Campata 2 tra i fili 36B - 36C, sezione R 45x70, asta 708

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	11.4	5.4						-115949	LU 17	-48081	-1422094	0.084	Si
22	11.4	5.4	11.4	5.4	40217	LU 11	188409	1422094	0.084						Si
46	11.4	5.4	11.4	5.4	161774	LU 11	278681	1422094	0.084						Si
68	11.4	5.4	11.4	5.4	257316	LU 11	343910	1422094	0.084						Si
91	11.4	5.4	11.4	5.4	329124	LU 12	384928	1422094	0.084						Si
103	11.4	5.4	11.4	5.4	355990	LU 12	396357	1422094	0.084						Si
125	11.4	5.4	11.4	5.4	391565	LU 12	402927	1422094	0.084						Si
148	11.4	5.4	15.9	5.4	402927	LU 12	402927	1955606	0.091						Si
171	11.4	5.4	18.97	5.4	390077	LU 12	402927	2319387	0.097						Si
194	11.4	5.4	19.01	5.4	353160	LU 18	395279	2323557	0.097						Si
217	11.4	5.4	19.01	5.4	301742	LU 18	364879	2323557	0.097						Si
239	11.4	5.4	19.01	5.4	248820	LU 17	317427	2323557	0.097						Si
262	11.4	5.4	19.01	5.4	180361	LU 17	263958	2323557	0.097	54693	LU 2	-94812	-1422107	0.084	Si
274	11.4	5.4	19.01	5.4	139405	LU 17	234437	2323557	0.097	206	LU 2	-127445	-1422107	0.084	Si
297	11.4	5.4	19.01	5.4	41209	LU 17	159813	2323557	0.097	-127445	LU 2	-127445	-1422107	0.084	Si
319	11.4	5.4	19.01	5.4						-289716	LU 11	-232860	-1422107	0.084	Si
342	11.4	5.4	19.01	5.4						-487949	LU 11	-270714	-1422107	0.084	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	6642	LU 12	6642	10922	76908	0	10922	1	Si
22	0.115	11.4	0	5443	LU 12	5443	10922	76908	13338	13338	1	Si
46	0.115	11.4	0	4453	LU 12	4453	10922	76908	13338	13338	1	Si
68	0.115	11.4	0	3456	LU 12	3456	10922	76908	13338	13338	1	Si
91	0.115	11.4	0	2478	LU 18	2478	10922	76908	13338	13338	1	Si
103	0.105	11.4	0	2019	LU 18	2019	10922	76908	12153	12153	1	Si
125	0.105	11.4	0	1242	LU 17	1242	10922	76908	12153	12153	1	Si
148	0.105	11.4	0	504	LU 17	504	10922	76908	12153	12153	1	Si
148	0.105	11.4	0	-148	LU 2	-148	-10922	-76908	-12153	-12153	1	Si
171	0.105	11.4	0	-1050	LU 11	-1050	-10922	-76908	-12153	-12153	1	Si
194	0.105	11.4	0	-2046	LU 11	-2046	-10922	-76908	-12153	-12153	1	Si
217	0.105	15.9	0	-3043	LU 11	-3043	-12202	-76908	-12153	-12202	1	Si
239	0.072	18.97	0	-4039	LU 11	-4039	-12941	-76908	-8336	-12941	1	Si
262	0.072	19.01	0	-5035	LU 11	-5035	-12949	-76908	-8336	-12949	1	Si
274	0.072	19.01	0	-5533	LU 11	-5533	-12949	-76908	-8336	-12949	1	Si
297	0.072	11.4	0	-6556	LU 11	-6556	-10922	-76908	-8336	-10922	1	Si
319	0	11.4	0	-7526	LU 11	-7526	-10922	-76908	0	-10922	1	Si
342	0	11.4	0	-8817	LU 11	-8817	-10922	-76908	0	-10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-88401	8	-36321	1.3	124.5	53.9	1837	-83263	1	-32003	1.1	93.4	0	+∞	Si
22	27687	2	139162	4.8	124.5	206.6	1837	12903	2	112919	3.9	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
46	119090	2	207326	7.1	124.5	307.7	1837	94739	2	175263	6	93.4	0	+∞	Si
68	191158	2	256840	8.9	124.5	381.2	1837	160322	2	221652	7.6	93.4	0	+∞	Si
91	245564	3	288374	9.9	124.5	428	1837	210853	2	252989	8.7	93.4	0	+∞	Si
103	266053	3	297398	10.2	124.5	441.4	1837	230474	2	263013	9.1	93.4	0	+∞	Si
125	293544	3	303054	10.4	124.5	449.8	1837	258427	2	271772	9.4	93.4	0	+∞	Si
148	303054	3	303054	9.3	124.5	326.4	1837	271328	2	272134	8.3	93.4	0	+∞	Si
171	294583	3	303054	8.8	124.5	275.5	1837	269178	2	272134	7.9	93.4	0	+∞	Si
194	268228	9	298151	8.6	124.5	270.6	1837	251975	2	270805	7.8	93.4	0	+∞	Si
217	230366	9	276647	8	124.5	251.1	1837	219721	2	257744	7.5	93.4	0	+∞	Si
239	189662	8	241936	7	124.5	219.6	1837	178365	1	229632	6.6	93.4	0	+∞	Si
262	136760	8	201372	5.8	124.5	182.8	1837	123898	1	190506	5.5	93.4	0	+∞	Si
274	105135	8	178544	5.2	124.5	162	1837	91490	1	166895	4.8	93.4	0	+∞	Si
297	29353	8	120894	3.5	124.5	109.7	1837	14102	1	107639	3.1	93.4	0	+∞	Si
297	-80263	2	-80263	2.5	124.5	118.6	1837	-14208	2	-14208	0.4	93.4	0	+∞	Si
319	-202828	2	-160923	5	124.5	237.8	1837	-111690	2	-78112	1.8	93.4	0	+∞	Si
342	-348909	2	-188770	5.9	124.5	279	1837	-228623	2	-100174	3.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.016	0.01	0.018	0.013	0.013	0.011	0.016	0.013	0.012	0.011	0.037	2	0.033	2	9999	Si
22	0.017	0.012	0.018	0.014	0.015	0.012	0.016	0.014	0.014	0.012	0.038	2	0.034	2	9999	Si
46	0.018	0.013	0.019	0.014	0.016	0.013	0.017	0.014	0.015	0.013	0.039	2	0.036	2	9999	Si
68	0.019	0.014	0.019	0.015	0.017	0.014	0.017	0.015	0.016	0.014	0.04	2	0.036	2	9999	Si
91	0.02	0.015	0.019	0.015	0.018	0.015	0.017	0.015	0.017	0.015	0.04	2	0.037	2	9999	Si
103	0.02	0.015	0.019	0.015	0.018	0.016	0.017	0.015	0.017	0.016	0.04	2	0.037	2	9999	Si
125	0.02	0.016	0.018	0.015	0.018	0.016	0.017	0.015	0.017	0.016	0.039	2	0.036	2	9999	Si
148	0.02	0.016	0.018	0.014	0.018	0.016	0.016	0.014	0.017	0.016	0.038	2	0.035	2	9999	Si
171	0.019	0.015	0.016	0.013	0.017	0.015	0.015	0.013	0.016	0.015	0.035	2	0.033	2	9999	Si
194	0.017	0.014	0.015	0.012	0.016	0.014	0.013	0.012	0.015	0.014	0.032	2	0.03	2	9999	Si
217	0.015	0.013	0.013	0.011	0.014	0.013	0.012	0.011	0.013	0.013	0.028	2	0.027	2	9999	Si
239	0.013	0.011	0.011	0.009	0.012	0.011	0.01	0.009	0.011	0.011	0.024	2	0.022	2	9999	Si
262	0.01	0.008	0.008	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.019	2	0.018	2	9999	Si
274	0.008	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.016	2	0.015	2	9999	Si
297	0.005	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.01	2	0.01	2	9999	Si
319	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si

Campata 3 tra i fili 36C - 38, sezione R 45x70, asta 709

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	19.01	5.4						-2270721	LU 12	-1859719	-1422107	0.084	No
22	11.4	5.4	19.01	5.4						-1887182	LU 12	-1777728	-1422107	0.084	No
43	11.4	5.4	19.01	5.4						-1531900	LU 12	-1531754	-1422107	0.084	No
45	11.4	5.4	19.01	5.4						-1506041	LU 12	-1506041	-1422107	0.084	No
65	11.4	5.4	17.88	5.4						-1205548	LU 18	-1506041	-1422107	0.084	No
87	11.4	5.4	14.96	5.4	-651232	LU 1	22601	1844317	0.089	-909866	LU 18	-1312615	-1422107	0.084	Si
97	11.4	5.4	11.4	5.4	-557445	LU 1	87999	1422094	0.084	-770794	LU 18	-1157814	-1422094	0.084	Si
119	11.4	5.4	11.4	5.4	-370782	LU 2	190127	1422094	0.084	-517019	LU 17	-865834	-1422094	0.084	Si
141	11.4	5.4	11.4	5.4	-180171	LU 2	254028	1422094	0.084	-299349	LU 17	-597239	-1422094	0.084	Si
162	11.4	5.4	11.4	5.4	-10776	LU 2	279703	1422094	0.084	-100167	LU 17	-372146	-1422094	0.084	Si
184	11.4	5.4	11.4	5.4	156856	LU 11	369964	1422094	0.084	61071	LU 8	-166647	-1422094	0.084	Si
206	11.4	5.4	11.4	5.4	320406	LU 12	499923	1422094	0.084						Si
227	13.07	5.4	18.04	5.4	459072	LU 12	604398	2208380	0.094						Si
249	14.1	5.4	21.81	5.4	572255	LU 12	686369	2726416	0.101						Si
260	14.61	5.4	22.81	5.4	619290	LU 12	722058	2773160	0.101						Si
282	15.21	5.4	22.81	5.4	698934	LU 18	739606	2773116	0.1						Si
295	15.21	5.4	22.81	5.4	739606	LU 18	739606	2773116	0.1						Si
303	15.21	5.4	22.81	5.4	762389	LU 18	759784	2773116	0.1						Si
325	15.21	5.4	22.81	5.4	818148	LU 17	781785	2773116	0.1						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	18532	LU 12	18532	10922	76908	0	10922	1	Si
22	0	11.4	0	16986	LU 12	16986	10922	76908	0	10922	1	Si
43	0	11.4	0	15810	LU 12	15810	10922	76908	0	10922	1	Si
45	0.33	11.4	0	15719	LU 12	15719	10922	76908	38347	38347	1	Si
65	0.33	11.4	0	14633	LU 12	14633	10922	76908	38347	38347	1	Si
87	0.33	11.4	0	13457	LU 12	13457	10922	76908	38347	38347	1	Si
97	0.33	11.4	0	12869	LU 12	12869	10922	76908	38347	38347	1	Si
119	0.292	11.4	0	11693	LU 12	11693	10922	76908	33952	33952	1	Si
141	0.292	11.4	0	10517	LU 12	10517	10922	76908	33952	33952	1	Si
162	0.292	11.4	0	9340	LU 12	9340	10922	76908	33952	33952	1	Si
184	0.292	11.4	0	8250	LU 18	8250	10922	76908	33952	33952	1	Si
206	0.292	11.4	0	7171	LU 18	7171	10922	76908	33952	33952	1	Si
227	0.259	11.4	0	6206	LU 17	6206	10922	76908	30011	30011	1	Si
249	0.259	11.4	0	5353	LU 17	5353	10922	76908	30011	30011	1	Si
260	0.259	11.4	0	4926	LU 17	4926	10922	76908	30011	30011	1	Si
282	0.259	11.4	0	4073	LU 17	4073	10922	76908	30011	30011	1	Si
295	0.259	18.04	0	3609	LU 17	3609	12725	76908	30011	30011	1	Si
303	0	20.22	0	3484	LU 17	3484	13220	76908	0	13220	1	Si
325	0	22.81	0	3262	LU 17	3262	13760	76908	0	13760	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1717943	3	-1409439	44.2	124.5	2083.1	1837	-1584924	2	-1311480	41.1	93.4	0	+∞	No
22	-1429937	3	-1347766	42.3	124.5	1991.9	1837	-1329113	2	-1256217	39.4	93.4	0	+∞	No
43	-1162858	3	-1162744	36.5	124.5	1718.5	1837	-1090548	2	-1090429	34.2	93.4	0	+∞	Si
45	-1143403	3	-1143403	35.9	124.5	1689.9	1837	-1073098	2	-1073098	33.7	93.4	0	+∞	Si
65	-916962	9	-1143403	36.3	124.5	1690.8	1837	-867605	2	-1073098	34.1	93.4	0	+∞	Si
87	-693408	9	-997857	32.9	124.5	1477.8	1837	-660282	2	-942448	31	93.4	0	+∞	Si
97	-588189	9	-880879	30.4	124.5	1307.5	1837	-562478	2	-834166	28.7	93.4	0	+∞	Si
119	-395418	8	-660094	22.7	124.5	979.8	1837	-380538	1	-629316	21.7	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
141	-228613	8	-456796	15.7	124.5	678	1837	-217853	1	-440087	15.2	93.4	0	+∞	Si
162	-76030	8	-284394	9.8	124.5	422.1	1837	-69390	1	-272227	9.4	93.4	0	+∞	Si
184	113217	2	276274	9.5	124.5	410.1	1837	79362	2	238250	8.2	93.4	0	+∞	Si
206	238253	3	376372	13	124.5	558.7	1837	200769	2	338700	11.7	93.4	0	+∞	Si
227	344804	3	457584	13.2	124.5	435.9	1837	306556	2	423528	12.2	93.4	0	+∞	Si
249	432470	3	521898	13.8	124.5	403.2	1837	396722	2	492735	13.1	93.4	0	+∞	Si
260	469220	3	549812	14.4	124.5	417.5	1837	435947	2	521481	13.7	93.4	0	+∞	Si
282	531682	9	563604	14.7	124.5	427.7	1837	502682	2	535879	13.9	93.4	0	+∞	Si
295	563604	9	563604	14.7	124.5	427.7	1837	535879	2	535879	13.9	93.4	0	+∞	Si
303	581578	9	579503	15.1	124.5	439.7	1837	554839	2	552592	14.4	93.4	0	+∞	Si
325	625613	8	596837	15.5	124.5	452.9	1837	601355	1	570815	14.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	54.5	0.00061	0.033	3	54.5	0.00066	0.0359	2	54.5	0.00064	0.0349	2	No
22	superiore	54.5	0.00058	0.0316	3	54.5	0.00062	0.0337	2	54.5	0.0006	0.0327	2	No
43	superiore	54.5	0.0005	0.0273	3	54.5	0.0005	0.027	2	54.5	0.00048	0.0263	2	Si
45	superiore	54.5	0.00049	0.0268	3	54.5	0.00048	0.0263	2	54.5	0.00047	0.0256	2	Si
65	superiore	54.5	0.00049	0.0268	3	54.5	0.00048	0.0263	2	54.5	0.00047	0.0256	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.012	1	-0.013	1	9999	Si
43	-0.006	-0.007	-0.007	-0.008	-0.006	-0.006	-0.007	-0.007	-0.006	-0.006	-0.019	1	-0.02	1	9999	Si
45	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.019	1	-0.02	1	9999	Si
65	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.022	2	-0.023	2	9999	Si
76	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.022	2	-0.023	2	9999	Si
87	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.008	-0.009	-0.008	-0.008	-0.022	2	-0.023	2	9999	Si
97	-0.007	-0.008	-0.008	-0.009	-0.007	-0.008	-0.008	-0.008	-0.007	-0.008	-0.022	2	-0.023	2	9999	Si
119	-0.006	-0.007	-0.007	-0.008	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.02	2	-0.02	2	9999	Si
141	-0.004	-0.006	-0.006	-0.007	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.017	2	-0.017	2	9999	Si
162	-0.003	-0.004	-0.005	-0.005	-0.003	-0.004	-0.005	-0.005	-0.003	-0.004	-0.013	2	-0.013	2	9999	Si
184	-0.001	-0.002	-0.003	-0.003	-0.001	-0.002	-0.003	-0.003	-0.002	-0.002	-0.009	2	-0.009	2	9999	Si
206	0.001	-0.001	-0.001	-0.002	0	0	-0.002	-0.002	0	0	-0.005	2	-0.006	2	9999	Si
227	0.002	0.001	0	-0.001	0.001	0.001	0	0	0.001	0.001	-0.002	2	-0.002	2	9999	Si
249	0.003	0.002	0.001	0	0.002	0.002	0.001	0	0.002	0.002	0	2	0	2	9999	Si
260	0.003	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.001	2	0.001	2	9999	Si
282	0.003	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.002	2	0.002	2	9999	Si
295	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.002	2	0.002	2	9999	Si
303	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si

Trave a "Piano Terra" 49-(2999; 3386)

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x60	Rettangolare	30	60	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - ?, sezione R 30x60, asta 724

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-596854	LU 12	-511527	-796256	0.099	Si
15	7.6	5.4	11.4	5.4						-428955	LU 12	-428955	-796256	0.099	Si
40	7.6	5.4	11.4	5.4	-109352	LU 1	69250	1171175	0.11	-168183	LU 12	-428955	-796256	0.099	Si
79	7.6	5.4	11.4	5.4	205081	LU 11	407107	1171175	0.11	94584	LU 8	-39265	-796256	0.099	Si
119	7.6	5.4	11.4	5.4	521728	LU 11	688961	1171175	0.11						Si
138	7.6	5.4	11.4	5.4	659051	LU 11	808887	1171175	0.11						Si
178	7.6	5.4	11.4	5.4	891693	LU 11	1006736	1171175	0.11						Si
218	7.6	5.4	11.4	5.4	1068332	LU 11	1148581	1171175	0.11						Si
257	7.6	5.4	11.4	5.4	1188967	LU 11	1234424	1171175	0.11						No
297	7.6	5.4	11.4	5.4	1253600	LU 11	1264915	1171175	0.11						No
336	7.6	5.4	11.4	5.4	1262229	LU 11	1264915	1171175	0.11						No
376	7.6	5.4	11.4	5.4	1214855	LU 11	1249590	1171175	0.11						No
415	7.6	5.4	11.4	5.4	1111478	LU 11	1181005	1171175	0.11						No
435	7.6	5.4	11.4	5.4	1038788	LU 11	1125712	1171175	0.11						Si
475	7.6	5.4	11.4	5.4	851406	LU 11	973123	1171175	0.11						Si
514	7.6	5.4	11.4	5.4	608021	LU 11	764531	1171175	0.11						Si
546	7.6	5.4	11.4	5.4	371645	LU 11	557318	1171175	0.11						Si
554	7.6	5.4	11.4	5.4	308632	LU 11	308632	1171175	0.11						Si
593	7.6	5.4	11.4	5.4						-46829	LU 12	-46829	-796256	0.099	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	11545	LU 12	11545	6713	43335	0	6713	1	Si
15	0.151	7.6	0	11010	LU 12	11010	6713	43335	14796	14796	1	Si
40	0.151	7.6	0	10131	LU 12	10131	6713	43335	14796	14796	1	Si
79	0.11	11.4	0	8715	LU 12	8715	7684	43335	10808	10808	1	Si
119	0.11	11.4	0	7299	LU 12	7299	7684	43335	10808	10808	1	Si
138	0.11	11.4	0	6591	LU 12	6591	7684	43335	10808	10808	1	Si
178	0.11	11.4	0	5175	LU 12	5175	7684	43335	10808	10808	1	Si
218	0.11	11.4	0	3759	LU 12	3759	7684	43335	10808	10808	1	Si
257	0.11	11.4	0	2343	LU 12	2343	7684	43335	10808	10808	1	Si
297	0.11	11.4	0	927	LU 12	927	7684	43335	10808	10808	1	Si
336	0.11	11.4	0	-490	LU 11	-490	-7684	-43335	-10808	-10808	1	Si
376	0.11	11.4	0	-1906	LU 11	-1906	-7684	-43335	-10808	-10808	1	Si
415	0.11	11.4	0	-3322	LU 11	-3322	-7684	-43335	-10808	-10808	1	Si
435	0.11	11.4	0	-4030	LU 11	-4030	-7684	-43335	-10808	-10808	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
475	0.11	11.4	0	-5446	LU 11	-5446	-7684	-43335	-10808	-10808	1	Si
514	0.101	11.4	0	-6862	LU 11	-6862	-7684	-43335	-9864	-9864	1	Si
546	0.101	11.4	0	-7994	LU 11	-7994	-7684	-43335	-9864	-9864	1	Si
554	0	11.4	0	-8278	LU 11	-8278	-7684	-43335	0	-7684	1	Si
593	0	7.6	0	-9562	LU 11	-9562	-6713	-43335	0	-6713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-444129	3	-380946	23.9	124.5	1009.8	1837	-375799	2	-323780	20.3	93.4	0	+∞	Si
15	-319803	3	-319803	20.1	124.5	847.7	1837	-273437	2	-273437	17.2	93.4	0	+∞	Si
40	-126702	3	-319803	20.1	124.5	847.7	1837	-114434	2	-273437	17.2	93.4	0	+∞	Si
79	149667	2	299282	17.6	124.5	538.3	1837	112865	2	236140	13.9	93.4	0	+∞	Si
119	384171	2	508031	29.9	124.5	913.8	1837	306099	2	408211	24	93.4	0	+∞	Si
138	485877	2	596860	35.1	124.5	1073.6	1837	389941	2	481472	28.3	93.4	0	+∞	Si
178	658199	2	743427	43.7	124.5	1337.3	1837	532078	2	602445	35.4	93.4	0	+∞	Si
218	789065	2	848538	49.9	124.5	1526.4	1837	640149	2	689353	40.5	93.4	0	+∞	Si
257	878476	2	912195	53.6	124.5	1640.9	1837	714156	2	742196	43.6	93.4	0	+∞	Si
297	926432	2	934864	54.9	124.5	1681.6	1837	754097	2	761294	44.7	93.4	0	+∞	Si
336	932932	2	934864	54.9	124.5	1681.6	1837	759974	2	761294	44.7	93.4	0	+∞	Si
376	897978	2	923619	54.3	124.5	1661.4	1837	731785	2	752523	44.2	93.4	0	+∞	Si
415	821568	2	872964	51.3	124.5	1570.3	1837	669531	2	711433	41.8	93.4	0	+∞	Si
435	767818	2	832091	48.9	124.5	1496.8	1837	625630	2	678113	39.8	93.4	0	+∞	Si
475	629225	2	719253	42.3	124.5	1293.8	1837	512278	2	585925	34.4	93.4	0	+∞	Si
514	449177	2	564960	33.2	124.5	1016.3	1837	364862	2	459673	27	93.4	0	+∞	Si
546	274296	2	411666	24.2	124.5	740.5	1837	221583	2	334133	19.6	93.4	0	+∞	Si
554	227674	2	227674	13.4	124.5	409.5	1837	183380	2	183380	10.8	93.4	0	+∞	Si
593	-35310	3	-35310	2.2	124.5	93.6	1837	-31998	2	-31998	2	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
138	inferiore	41.2	0.00031	0.0129	2	41.2	0.00027	0.0111	2	41.2	0.00025	0.0104	2	Si
178	inferiore	41.2	0.00039	0.016	2	41.2	0.00034	0.014	2	41.2	0.00032	0.013	2	Si
218	inferiore	41.2	0.00044	0.0183	2	41.2	0.00042	0.0173	2	41.2	0.00038	0.0156	2	Si
257	inferiore	41.2	0.00048	0.0197	2	41.2	0.00047	0.0193	2	41.2	0.00043	0.0175	2	Si
297	inferiore	41.2	0.00049	0.0202	2	41.2	0.00049	0.02	2	41.2	0.00044	0.0182	2	Si
336	inferiore	41.2	0.00049	0.0202	2	41.2	0.00049	0.02	2	41.2	0.00044	0.0182	2	Si
376	inferiore	41.2	0.00048	0.0199	2	41.2	0.00048	0.0197	2	41.2	0.00043	0.0179	2	Si
415	inferiore	41.2	0.00046	0.0188	2	41.2	0.00044	0.0181	2	41.2	0.0004	0.0164	2	Si
435	inferiore	41.2	0.00044	0.018	2	41.2	0.00041	0.0168	2	41.2	0.00037	0.0152	2	Si
475	inferiore	41.2	0.00038	0.0155	2	41.2	0.00033	0.0135	2	41.2	0.00031	0.0126	2	Si
514	inferiore	41.2	0.0003	0.0122	2	41.2	0.00026	0.0106	2	41.2	0.00024	0.0099	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.014	0.01	0.019	0.01	0.012	0.01	0.014	0.01	0.011	0.01	0.031	2	0.026	2	9999	Si
40	0.038	0.028	0.051	0.027	0.033	0.028	0.038	0.027	0.031	0.028	0.084	2	0.071	2	7081	Si
79	0.078	0.056	0.102	0.055	0.067	0.056	0.077	0.055	0.063	0.056	0.17	2	0.144	2	3490	Si
119	0.115	0.084	0.153	0.082	0.1	0.084	0.114	0.082	0.093	0.084	0.254	2	0.215	2	2336	Si
138	0.133	0.096	0.177	0.094	0.115	0.097	0.132	0.095	0.108	0.097	0.294	2	0.249	2	2019	Si
178	0.164	0.119	0.222	0.117	0.142	0.119	0.165	0.118	0.133	0.119	0.367	2	0.311	2	1616	Si
218	0.188	0.137	0.259	0.136	0.163	0.137	0.193	0.137	0.152	0.137	0.428	2	0.362	2	1386	Si
257	0.204	0.149	0.286	0.149	0.177	0.149	0.213	0.15	0.166	0.149	0.47	2	0.399	2	1261	Si
297	0.211	0.154	0.299	0.156	0.183	0.155	0.222	0.157	0.172	0.155	0.49	2	0.417	2	1210	Si
316	0.211	0.154	0.299	0.156	0.183	0.155	0.223	0.157	0.172	0.155	0.491	2	0.418	2	1207	Si
336	0.209	0.153	0.296	0.155	0.181	0.153	0.221	0.156	0.17	0.153	0.486	2	0.413	2	1220	Si
376	0.197	0.144	0.278	0.146	0.171	0.144	0.207	0.146	0.16	0.144	0.458	2	0.389	2	1295	Si
415	0.176	0.129	0.246	0.129	0.153	0.129	0.183	0.13	0.143	0.129	0.407	2	0.345	2	1458	Si
435	0.163	0.119	0.225	0.119	0.141	0.119	0.168	0.119	0.132	0.119	0.374	2	0.317	2	1588	Si
475	0.13	0.095	0.176	0.094	0.112	0.095	0.132	0.094	0.105	0.095	0.294	2	0.249	2	2020	Si
514	0.09	0.066	0.121	0.065	0.078	0.066	0.091	0.065	0.073	0.066	0.202	2	0.172	2	2937	Si
546	0.055	0.04	0.074	0.04	0.048	0.04	0.055	0.04	0.045	0.04	0.123	2	0.105	2	4815	Si
554	0.046	0.034	0.061	0.033	0.04	0.034	0.046	0.033	0.037	0.034	0.103	2	0.087	2	5768	Si

Trave a "Piano Terra" 49A-(2361; 3226)

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 49A - 49B, sezione R 45x70, aste 676, 677

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	5.4	597061	LU 12	593263	2773116	0.1						Si
22	15.21	5.4	22.81	5.4	582125	LU 12	582070	2773116	0.1						Si
23	15.21	5.4	22.81	5.4	581568	LU 12	581568	2773116	0.1						Si
44	15.21	5.4	22.81	5.4	551637	LU 12	581568	2773116	0.1						Si
66	14.86	5.4	22.81	5.4	505641	LU 11	562661	2773150	0.101						Si
88	12.79	5.4	22.81	5.4	444170	LU 11	521614	2773192	0.103						Si
99	11.75	5.4	22.81	5.4	407602	LU 11	495316	2773232	0.104						Si
121	7.6	5.4	20.29	5.4	322802	LU 11	431056	2476111	0.106						Si
143	7.6	5.4	11.4	5.4	222451	LU 11	351243	1422093	0.084						Si
165	7.6	5.4	11.4	5.4	106218	LU 11	255879	1422093	0.084	59659	LU 8	-72538	-970824	0.078	Si
187	7.6	5.4	11.4	5.4	-18206	LU 1	179086	1422093	0.084	-28110	LU 18	-225151	-970824	0.078	Si
209	7.6	5.4	11.4	5.4	-107633	LU 1	143933	1422093	0.084	-174068	LU 12	-393315	-970824	0.078	Si
231	7.6	5.4	11.4	5.4	-206125	LU 1	85344	1422093	0.084	-337245	LU 12	-577031	-970824	0.078	Si
253	7.6	5.4	11.4	5.4	-313681	LU 1	3317	1422093	0.084	-515974	LU 12	-776300	-970824	0.078	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
264	7.6	5.4	11.4	5.4						-611171	LU 12	-881766	-970824	0.078	Si
286	7.6	5.4	11.4	5.4						-813228	LU 12	-1025879	-970824	0.078	No
308	7.6	5.4	11.4	5.4						-1025879	LU 12	-1025879	-970824	0.078	No
308	7.6	5.4	11.4	5.4						-1030894	LU 12	-1030827	-970824	0.078	No
330	7.6	5.4	11.4	5.4						-1276280	LU 12	-1141035	-970824	0.078	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	-461	LU 17	-461	-13760	-76908	0	-13760	1	Si
22	0	22.81	0	-1028	LU 18	-1028	-13760	-76908	0	-13760	1	Si
23	0.144	22.81	0	-1043	LU 18	-1043	-13760	-76908	-16673	-16673	1	Si
44	0.144	22.52	0	-1734	LU 12	-1734	-13702	-76908	-16673	-16673	1	Si
66	0.144	18.07	0	-2444	LU 12	-2444	-12733	-76908	-16673	-16673	1	Si
88	0.144	11.4	0	-3153	LU 12	-3153	-10922	-76908	-16673	-16673	1	Si
99	0.173	11.4	0	-3508	LU 12	-3508	-10922	-76908	-20099	-20099	1	Si
121	0.173	11.4	0	-4218	LU 12	-4218	-10922	-76908	-20099	-20099	1	Si
143	0.173	11.4	0	-4928	LU 12	-4928	-10922	-76908	-20099	-20099	1	Si
165	0.173	11.4	0	-5638	LU 12	-5638	-10922	-76908	-20099	-20099	1	Si
187	0.173	7.6	0	-6348	LU 12	-6348	-9541	-76908	-20099	-20099	1	Si
209	0.173	7.6	0	-7058	LU 12	-7058	-9541	-76908	-20099	-20099	1	Si
231	0.173	7.6	0	-7767	LU 12	-7767	-9541	-76908	-20099	-20099	1	Si
253	0.201	7.6	0	-8477	LU 12	-8477	-9541	-76908	-23342	-23342	1	Si
264	0.201	7.6	0	-8832	LU 12	-8832	-9541	-76908	-23342	-23342	1	Si
286	0.201	7.6	0	-9542	LU 12	-9542	-9541	-76908	-23342	-23342	1	Si
308	0.201	7.6	0	-10236	LU 12	-10236	-9541	-76908	-23342	-23342	1	Si
308	0	7.6	0	-10272	LU 12	-10272	-9541	-76908	0	-9541	1	Si
330	0	7.6	0	-12020	LU 12	-12020	-9541	-76908	0	-9541	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	447904	3	444846	11.6	124.5	337.5	1837	396089	2	392423	10.2	93.4	0	+∞	Si
22	436334	3	436293	11.3	124.5	331.1	1837	384179	2	384143	10	93.4	0	+∞	Si
23	435909	3	435909	11.3	124.5	330.8	1837	383772	2	383772	10	93.4	0	+∞	Si
44	413188	3	435909	11.3	124.5	330.8	1837	362451	2	383772	10	93.4	0	+∞	Si
66	378495	2	421539	11	124.5	320	1837	330904	2	370206	9.7	93.4	0	+∞	Si
88	332276	2	390533	10.5	124.5	297.2	1837	289540	2	341808	9.2	93.4	0	+∞	Si
99	304826	2	370727	10.1	124.5	282.5	1837	265176	2	323927	8.8	93.4	0	+∞	Si
121	241242	2	322432	9.6	124.5	276.2	1837	209085	2	280803	8.4	93.4	0	+∞	Si
143	166081	2	262561	9.5	124.5	390.9	1837	143175	2	227860	8.3	93.4	0	+∞	Si
165	79099	2	191113	6.9	124.5	284.5	1837	67240	2	165099	6	93.4	0	+∞	Si
187	-21167	9	-168566	3.8	124.5	58.5	1837	-18619	2	-147340	5.9	93.4	0	+∞	Si
209	-130397	3	-294195	6.6	124.5	102	1837	-114296	2	-255984	10.3	93.4	0	+∞	Si
231	-252314	3	-431401	9.7	124.5	149.6	1837	-219791	2	-374446	15	93.4	0	+∞	Si
253	-385807	3	-580184	13	124.5	201.2	1837	-335104	2	-502725	20.2	93.4	0	+∞	Si
264	-456895	3	-658916	14.8	124.5	228.5	1837	-396443	2	-570547	22.9	93.4	0	+∞	Si
286	-607753	3	-766487	17.2	124.5	265.8	1837	-526483	2	-663156	26.6	93.4	0	+∞	Si
308	-766487	3	-766487	17.2	124.5	265.8	1837	-663156	2	-663156	26.6	93.4	0	+∞	Si
308	-770231	3	-770181	17.3	124.5	267.1	1837	-666377	2	-666335	26.7	93.4	0	+∞	Si
330	-953245	3	-852438	19.2	124.5	295.6	1837	-823233	2	-737123	29.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
23	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
44	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.004	2	9999	Si
66	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
88	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.004	0.003	0.006	2	0.005	2	9999	Si
99	0.004	0.003	0.003	0.002	0.004	0.003	0.002	0.002	0.004	0.003	0.005	2	0.005	2	9999	Si
121	0.004	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.004	2	0.004	2	9999	Si
143	0.003	0.002	0.002	0.001	0.003	0.002	0.001	0.001	0.002	0.002	0.003	2	0.002	2	9999	Si
165	0.002	0.001	0.001	0	0.002	0.001	0.001	0	0.002	0.001	0.001	2	0.001	2	9999	Si
187	0.001	0	0	0	0.001	0	0	0	0.001	0	-0.002	2	-0.002	2	9999	Si
209	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.004	1	-0.004	1	9999	Si
231	-0.001	-0.002	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.005	1	-0.006	1	9999	Si
253	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.006	1	-0.007	1	9999	Si
264	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.006	1	-0.007	1	9999	Si
286	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
308	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.004	1	-0.004	1	9999	Si
308	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.004	1	-0.004	1	9999	Si

Campata 2 tra i fili 49B - 49C, sezione R 45x70, asta 678

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-991576	LU 12	-883054	-970824	0.078	Si
22	7.6	5.4	11.4	5.4						-789230	LU 12	-789230	-970824	0.078	Si
23	7.6	5.4	11.4	5.4						-787867	LU 12	-787867	-970824	0.078	Si
45	7.6	5.4	11.4	5.4						-613255	LU 12	-787867	-970824	0.078	Si
67	7.6	5.4	11.4	5.4						-463652	LU 12	-664348	-970824	0.078	Si
89	7.6	5.4	11.4	5.4	-219036	LU 1	80462	1422093	0.084	-340421	LU 12	-506790	-970824	0.078	Si
100	7.6	5.4	11.4	5.4	-190613	LU 1	144724	1422093	0.084	-288694	LU 12	-437900	-970824	0.078	Si
123	7.6	5.4	11.4	5.4	-144824	LU 1	243581	1422093	0.084	-207040	LU 18	-319900	-970824	0.078	Si
145	7.6	5.4	11.4	5.4	-111779	LU 2	302881	1422093	0.084	-155789	LU 17	-228398	-970824	0.078	Si
167	7.6	5.4	11.4	5.4	-85872	LU 2	322623	1422093	0.084	-134071	LU 17	-168445	-970824	0.078	Si
190	7.6	5.4	11.4	5.4	-81913	LU 2	302809	1422093	0.084	-131519	LU 17	-157479	-970824	0.078	Si
212	7.6	5.4	11.4	5.4	-99903	LU 2	243437	1422093	0.084	-148132	LU 17	-204693	-970824	0.078	Si
234	7.6	5.4	11.4	5.4	-137018	LU 1	144508	1422093	0.084	-185887	LU 18	-285230	-970824	0.078	Si
246	7.6	5.4	11.4	5.4	-156508	LU 1	80209	1422093	0.084	-217060	LU 18	-336374	-970824	0.078	Si
268	7.6	5.4	11.4	5.4						-303942	LU 12	-458440	-970824	0.078	Si
290	7.6	5.4	11.4	5.4						-418053	LU 12	-557419	-970824	0.078	Si
312	7.6	5.4	11.4	5.4						-557419	LU 12	-557419	-970824	0.078	Si
313	7.6	5.4	11.4	5.4						-558516	LU 12	-558516	-970824	0.078	Si
335	7.6	5.4	11.4	5.4						-724901	LU 12	-634599	-970824	0.078	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	9651	LU 12	9651	9541	76908	0	9541	1	Si
22	0	7.6	0	8470	LU 12	8470	9541	76908	0	9541	1	Si
23	0.187	7.6	0	8461	LU 12	8461	9541	76908	21675	21675	1	Si
45	0.187	7.6	0	7289	LU 12	7289	9541	76908	21675	21675	1	Si
67	0.187	7.6	0	6108	LU 12	6108	9541	76908	21675	21675	1	Si
89	0.187	7.6	0	4927	LU 12	4927	9541	76908	21675	21675	1	Si
100	0.161	7.6	0	4337	LU 12	4337	9541	76908	18673	18673	1	Si
123	0.161	7.6	0	3156	LU 12	3156	9541	76908	18673	18673	1	Si
145	0.161	7.6	0	1975	LU 12	1975	9541	76908	18673	18673	1	Si
167	0.161	7.6	0	795	LU 12	795	9541	76908	18673	18673	1	Si
190	0.161	7.6	0	-392	LU 11	-392	-9541	-76908	-18673	-18673	1	Si
212	0.161	7.6	0	-1573	LU 11	-1573	-9541	-76908	-18673	-18673	1	Si
234	0.161	7.6	0	-2754	LU 11	-2754	-9541	-76908	-18673	-18673	1	Si
246	0.187	7.6	0	-3344	LU 11	-3344	-9541	-76908	-21675	-21675	1	Si
268	0.187	7.6	0	-4525	LU 11	-4525	-9541	-76908	-21675	-21675	1	Si
290	0.187	7.6	0	-5706	LU 11	-5706	-9541	-76908	-21675	-21675	1	Si
312	0.187	7.6	0	-6866	LU 11	-6866	-9541	-76908	-21675	-21675	1	Si
313	0	7.6	0	-6875	LU 11	-6875	-9541	-76908	0	-9541	1	Si
335	0	7.6	0	-7976	LU 11	-7976	-9541	-76908	0	-9541	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-738264	3	-657894	14.8	124.5	228.1	1837	-626316	2	-560100	22.5	93.4	0	+∞	Si
22	-588416	3	-588416	13.2	124.5	204	1837	-502897	2	-502897	20.2	93.4	0	+∞	Si
23	-587407	3	-587407	13.2	124.5	203.7	1837	-502067	2	-502067	20.2	93.4	0	+∞	Si
45	-458115	3	-587407	13.2	124.5	203.7	1837	-395662	2	-502067	20.2	93.4	0	+∞	Si
67	-347360	3	-495945	11.1	124.5	172	1837	-304611	2	-426788	17.1	93.4	0	+∞	Si
89	-256152	3	-379294	8.5	124.5	131.5	1837	-229743	2	-330855	13.3	93.4	0	+∞	Si
100	-217878	3	-328299	7.4	124.5	113.8	1837	-198378	2	-288958	11.6	93.4	0	+∞	Si
123	-157336	9	-240968	5.4	124.5	83.6	1837	-147786	2	-217300	8.7	93.4	0	+∞	Si
145	-119030	8	-173268	3.9	124.5	60.1	1837	-113778	1	-161826	6.5	93.4	0	+∞	Si
167	-102377	8	-128568	2.9	124.5	44.6	1837	-97474	1	-122536	4.9	93.4	0	+∞	Si
190	-100468	8	-120506	2.7	124.5	41.8	1837	-95913	1	-116405	4.7	93.4	0	+∞	Si
212	-113300	8	-156299	3.5	124.5	54.2	1837	-109094	1	-150392	6	93.4	0	+∞	Si
234	-142194	9	-216272	4.9	124.5	75	1837	-137583	2	-201784	8.1	93.4	0	+∞	Si
246	-165574	9	-254246	5.7	124.5	88.2	1837	-158815	2	-233549	9.4	93.4	0	+∞	Si
268	-230167	3	-344854	7.8	124.5	119.6	1837	-213418	2	-309217	11.8	93.4	0	+∞	Si
290	-314879	3	-418308	9.4	124.5	145.1	1837	-284204	2	-370484	14.9	93.4	0	+∞	Si
312	-418308	3	-418308	9.4	124.5	145.1	1837	-370484	2	-370484	14.9	93.4	0	+∞	Si
313	-419123	3	-419123	9.4	124.5	145.3	1837	-371163	2	-371163	14.9	93.4	0	+∞	Si
335	-542578	3	-475582	10.7	124.5	164.9	1837	-474022	2	-418235	16.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
23	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
45	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.009	1	-0.009	1	9999	Si
67	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.012	1	-0.012	1	9999	Si
89	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.013	1	-0.014	1	9999	Si
100	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.014	1	-0.014	1	9999	Si
123	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.015	1	-0.015	1	9999	Si
145	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.015	1	-0.015	1	9999	Si
167	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.015	1	-0.015	1	9999	Si
190	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.014	1	-0.015	1	9999	Si
212	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.014	1	-0.014	1	9999	Si
234	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.013	1	-0.013	1	9999	Si
246	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.012	1	-0.012	1	9999	Si
268	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si
290	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si
312	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
313	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si

Campata 3 tra i fili 49C - 50, sezione R 45x70, asta 679

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-1541556	LU 12	-1397146	-970824	0.078	No
21	7.6	5.4	11.4	5.4						-1282775	LU 12	-1282487	-970824	0.078	No
23	7.6	5.4	11.4	5.4						-1265522	LU 12	-1265522	-970824	0.078	No
42	7.6	5.4	11.4	5.4						-1047068	LU 12	-1265522	-970824	0.078	No
63	7.6	5.4	11.4	5.4						-834678	LU 12	-1135407	-970824	0.078	No
84	7.6	5.4	11.4	5.4	-442840	LU 1	68493	1422093	0.084	-645604	LU 12	-914056	-970824	0.078	Si
95	7.6	5.4	11.4	5.4	-390609	LU 1	125328	1422093	0.084	-560373	LU 18	-812125	-970824	0.078	Si
116	7.6	5.4	11.4	5.4	-295925	LU 1	212767	1422093	0.084	-413178	LU 18	-625749	-970824	0.078	Si
137	7.6	5.4	11.4	5.4	-207899	LU 2	265230	1422093	0.084	-291851	LU 17	-467687	-970824	0.078	Si
158	7.6	5.4	11.4	5.4	-121707	LU 2	282719	1422093	0.084	-199771	LU 17	-333671	-970824	0.078	Si
179	7.6	5.4	11.4	5.4	-54921	LU 2	265233	1422093	0.084	-124635	LU 17	-233528	-970824	0.078	Si
200	7.6	5.4	11.4	5.4	-7541	LU 2	212771	1422093	0.084	-66445	LU 17	-151881	-970824	0.078	Si
221	7.6	5.4	11.4	5.4	20437	LU 3	125335	1422093	0.084	-25205	LU 15	-87179	-970824	0.078	Si
242	7.6	5.4	14.3	6.2	29693	LU 3	29693	1742859	0.091	-2014	LU 10	-39422	-995437	0.082	Si
252	11.39	5.4	15.01	6.4	27584	LU 12	29693	1820679	0.091	1800	LU 1	-21983	-1450432	0.09	Si
273	13.37	5.4	15.21	6.4	8878	LU 9	29080	1842537	0.091	-1659	LU 10	-36085	-1686766	0.093	Si
293	15.21	5.4	15.21	6.4	-7892	LU 8	18932	1842402	0.09	-36085	LU 11	-36085	-1904566	0.097	Si
294	15.21	5.4	15.21	6.4						-39700	LU 11	-39700	-1904566	0.097	Si
315	15.21	5.4	15.21	6.4						-107799	LU 11	-65429	-1904566	0.097	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	12878	LU 12	12878	9541	76908	0	9541	1	Si
21	0	7.6	0	11779	LU 12	11779	9541	76908	0	9541	1	Si
23	0.23	7.6	0	11700	LU 12	11700	9541	76908	26676	26676	1	Si
42	0.23	7.6	0	10669	LU 12	10669	9541	76908	26676	26676	1	Si
63	0.23	7.6	0	9559	LU 12	9559	9541	76908	26676	26676	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
84	0.23	7.6	0	8448	LU 12	8448	9541	76908	26676	26676	1	Si
95	0.201	7.6	0	7893	LU 12	7893	9541	76908	23342	23342	1	Si
116	0.201	7.6	0	6783	LU 12	6783	9541	76908	23342	23342	1	Si
137	0.201	7.6	0	5673	LU 12	5673	9541	76908	23342	23342	1	Si
158	0.201	7.6	0	4562	LU 12	4562	9541	76908	23342	23342	1	Si
179	0.201	7.6	0	3452	LU 12	3452	9541	76908	23342	23342	1	Si
200	0.201	7.6	0	2422	LU 18	2422	9541	76908	23342	23342	1	Si
221	0.201	7.6	0	1561	LU 17	1561	9541	76908	23342	23342	1	Si
242	0.172	7.6	0	754	LU 17	754	9541	76908	20007	20007	1	Si
242	0.172	11.4	0	-54	LU 2	-54	-10855	-75944	-19756	-19756	1	Si
252	0.172	11.4	0	350	LU 17	350	10842	75765	19710	19710	1	Si
252	0.172	11.4	0	-516	LU 2	-516	-10842	-75765	-19710	-19710	1	Si
273	0.172	11.4	0	-1577	LU 11	-1577	-10839	-75718	-19698	-19698	1	Si
293	0.172	7.6	0	-2608	LU 11	-2608	-9541	-76908	-20007	-20007	1	Si
294	0	7.6	0	-2688	LU 11	-2688	-9541	-76908	0	-9541	1	Si
315	0	11.39	0	-3798	LU 11	-3798	-10916	-76908	0	-10916	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1158087	3	-1050438	42.2	124.5	2311.3	1837	-1030492	2	-938549	37.7	93.4	0	+∞	No
21	-965137	3	-964921	21.7	124.5	334.6	1837	-865491	2	-865300	34.7	93.4	0	+∞	Si
23	-952268	3	-952268	21.4	124.5	330.2	1837	-854462	2	-854462	34.3	93.4	0	+∞	Si
42	-789292	3	-952268	21.4	124.5	330.2	1837	-714661	2	-854462	34.3	93.4	0	+∞	Si
63	-630729	3	-855206	19.2	124.5	296.6	1837	-578140	2	-771248	31	93.4	0	+∞	Si
84	-489448	3	-690002	15.5	124.5	239.3	1837	-455928	2	-629229	25.3	93.4	0	+∞	Si
95	-425663	9	-613881	13.8	124.5	212.9	1837	-400188	2	-563585	22.6	93.4	0	+∞	Si
116	-314909	9	-474600	10.7	124.5	164.6	1837	-299440	2	-443028	17.8	93.4	0	+∞	Si
137	-223138	8	-355932	8	124.5	123.4	1837	-214276	1	-336781	13.5	93.4	0	+∞	Si
158	-152602	8	-255034	5.7	124.5	88.4	1837	-145661	1	-244843	9.8	93.4	0	+∞	Si
179	-95101	8	-178455	4	124.5	61.9	1837	-90081	1	-170776	6.9	93.4	0	+∞	Si
200	-50635	8	-115945	2.6	124.5	40.2	1837	-47536	1	-110187	4.4	93.4	0	+∞	Si
221	7616	3	19279	0.7	124.5	28.7	1837								Si
221	-19207	6	-66470	1.5	124.5	23.1	1837	-18025	1	-62633	2.5	93.4	0	+∞	Si
242	19279	3	19279	0.7	124.5	23.8	1837	4560	2	6641	0.2	93.4	0	+∞	Si
242	-1550	1	-30030	0.7	124.5	10.3	1837	-1550	1	-28113	1.1	93.4	0	+∞	Si
252	18629	3	19279	0.6	124.5	22.8	1837	6641	2	6641	0.2	93.4	0	+∞	Si
273	5493	9	19128	0.6	124.5	22.3	1837	72	2	6641	0.2	93.4	0	+∞	Si
273	-1276	1	-26191	0.8	124.5	33.4	1837	-1276	1	-19060	0.6	93.4	0	+∞	Si
293	-26191	2	-26191	0.8	124.5	29.5	1837	-19060	2	-19060	0.6	93.4	0	+∞	Si
294	-28785	2	-28785	0.9	124.5	31.8	1837	-20807	2	-20807	0.6	93.4	0	+∞	Si
315	-78070	2	-47303	1.4	124.5	53.2	1837	-55995	2	-33530	1	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	74.1	0.00067	0.0499	3	74.1	0.00062	0.046	2	74.1	0.0006	0.0446	2	No

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si
23	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si
42	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.013	1	-0.013	1	9999	Si
63	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.016	1	-0.017	1	9999	Si
84	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.018	1	-0.018	1	9999	Si
95	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.018	1	-0.019	1	9999	Si
105	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.019	1	-0.019	1	9999	Si
116	-0.007	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.018	1	-0.019	1	9999	Si
137	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.007	-0.007	-0.018	2	-0.018	2	9999	Si
158	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.016	2	-0.016	2	9999	Si
179	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.006	-0.006	-0.005	-0.005	-0.014	2	-0.014	2	9999	Si
200	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.012	2	-0.012	2	9999	Si
221	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.01	2	-0.01	2	9999	Si
242	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	2	-0.008	2	9999	Si
252	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.007	2	-0.007	2	9999	Si
273	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.005	2	-0.005	2	9999	Si
293	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
294	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si

Campata 4 tra i fili 50 - 51, sezione R 45x70, asta 680

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	6.4						-1502289	LU 12	-1309807	-1904566	0.097	Si
23	15.21	5.4	15.21	6.4						-1129863	LU 12	-1129863	-1904566	0.097	Si
26	14.89	5.4	15.21	6.4						-1075995	LU 12	-1129863	-1867345	0.096	Si
52	11.86	5.4	16.66	6						-693296	LU 18	-1128301	-1568709	0.089	Si
77	7.6	5.4	14.81	5.4	-244299	LU 2	42403	1826968	0.091	-371572	LU 17	-739348	-971216	0.079	Si
90	7.6	5.4	15.21	5.4	-112012	LU 2	172818	1873491	0.092	-230945	LU 17	-561634	-971252	0.079	Si
116	7.6	5.4	15.21	5.4	138381	LU 11	435878	1873491	0.092	23231	LU 8	-266183	-971252	0.079	Si
142	7.6	5.4	15.21	5.4	405677	LU 12	663684	1873491	0.092	202311	LU 1	-1617	-971252	0.079	Si
168	7.6	5.4	15.21	5.4	637904	LU 12	856206	1873491	0.092						Si
194	7.6	5.4	15.21	5.4	834846	LU 12	1013442	1873491	0.092						Si
220	7.6	5.4	15.21	5.4	996504	LU 12	1135394	1873491	0.092						Si
245	7.6	5.4	15.21	5.4	1122876	LU 12	1222061	1873491	0.092						Si
271	7.6	5.4	15.21	5.4	1213964	LU 12	1273443	1873491	0.092						Si
284	7.6	5.4	15.21	5.4	1246276	LU 12	1286097	1873491	0.092						Si
317	7.6	5.4	15.21	5.4	1290142	LU 18	1290142	1873491	0.092						Si
336	7.6	5.4	15.21	5.4	1308002	LU 18	1308002	1873491	0.092						Si
362	7.6	5.4	15.21	5.4	1323586	LU 18	1323586	1873491	0.092						Si
387	7.6	5.4	15.21	5.4	1314707	LU 18	1314707	1873491	0.092						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.24	0	17185	LU 12	17185	10869	76908	0	10869	1	Si
13	0	7.6	0	16502	LU 12	16502	9541	76908	0	9541	1	Si
23	0.201	7.6	0	15995	LU 12	15995	9541	76908	23342	23342	1	Si
26	0.201	7.6	0	15819	LU 12	15819	9541	76908	23342	23342	1	Si
52	0.201	7.6	0	14453	LU 12	14453	9541	76908	23342	23342	1	Si
77	0.201	7.6	0	13087	LU 12	13087	9541	76908	23342	23342	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
90	0.201	7.6	0	12404	LU 12	12404	9541	76908	23342	23342	1	Si
116	0.175	15.21	0	11038	LU 12	11038	12021	76908	20330	20330	1	Si
142	0.175	14.81	0	9672	LU 12	9672	11917	76908	20330	20330	1	Si
168	0.175	15.21	0	8307	LU 12	8307	12021	76908	20330	20330	1	Si
194	0.175	15.21	0	7018	LU 18	7018	12021	76908	20330	20330	1	Si
220	0.175	15.21	0	5765	LU 18	5765	12021	76908	20330	20330	1	Si
245	0.175	15.21	0	4683	LU 17	4683	12021	76908	20330	20330	1	Si
271	0.115	15.21	0	3691	LU 17	3691	12021	76908	13338	13338	1	Si
284	0.115	15.21	0	3194	LU 17	3194	12021	76908	13338	13338	1	Si
317	0.115	15.21	0	2012	LU 17	2012	12021	76908	13338	13338	1	Si
336	0	15.21	0	1744	LU 17	1744	12021	76908	0	12021	1	Si
336	0	15.21	0	-157	LU 2	-157	-12021	-76908	0	-12021	1	Si
362	0	15.21	0	1197	LU 17	1197	12021	76908	0	12021	1	Si
362	0	15.21	0	-766	LU 2	-766	-12021	-76908	0	-12021	1	Si
387	0	15.21	0	413	LU 17	413	12021	76908	0	12021	1	Si
387	0	15.21	0	-1716	LU 2	-1716	-12021	-76908	0	-12021	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1136284	3	-992070	30	124.5	1116.7	1837	-1046989	2	-920418	27.8	93.4	0	+∞	Si
23	-857150	3	-857150	25.9	124.5	964.8	1837	-801541	2	-801541	24.2	93.4	0	+∞	Si
26	-816765	3	-857150	26.1	124.5	984.5	1837	-765980	2	-801541	24.4	93.4	0	+∞	Si
52	-528938	9	-855978	27.1	124.5	1165.7	1837	-506626	2	-800510	25.4	93.4	0	+∞	Si
77	-284392	8	-563654	12.2	124.5	192.5	1837	-275081	1	-538442	20.7	93.4	0	+∞	Si
90	-176595	8	-429652	9.2	124.5	146.5	1837	-169740	1	-415528	15.9	93.4	0	+∞	Si
116	95741	2	320256	10.5	124.5	361.6	1837	47026	2	251557	8.2	93.4	0	+∞	Si
142	297426	3	492655	16.2	124.5	556.3	1837	230592	2	410756	13.5	93.4	0	+∞	Si
168	473102	3	638902	20.9	124.5	721.4	1837	392505	2	548302	18	93.4	0	+∞	Si
194	622625	3	758995	24.9	124.5	857	1837	532764	2	664195	21.8	93.4	0	+∞	Si
220	745995	3	852935	28	124.5	963.1	1837	651369	2	758433	24.9	93.4	0	+∞	Si
245	843212	3	920721	30.2	124.5	1039.6	1837	748321	2	831018	27.2	93.4	0	+∞	Si
271	914275	3	962354	31.6	124.5	1086.6	1837	823618	2	881949	28.9	93.4	0	+∞	Si
284	939999	3	973507	31.9	124.5	1099.2	1837	853147	2	899406	29.5	93.4	0	+∞	Si
317	976950	9	976950	32	124.5	1103.1	1837	903941	2	903941	29.6	93.4	0	+∞	Si
336	991826	9	991826	32.5	124.5	1119.9	1837	921545	2	921168	30.2	93.4	0	+∞	Si
362	1005525	9	1005412	33	124.5	1135.2	1837	939498	2	936630	30.7	93.4	0	+∞	Si
387	1000983	9	1000983	32.8	124.5	1130.2	1837	941349	2	941349	30.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
26	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
52	0.005	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.007	2	9999	Si
77	0.009	0.006	0.007	0.005	0.008	0.006	0.006	0.005	0.007	0.006	0.015	2	0.013	2	9999	Si
90	0.011	0.008	0.009	0.007	0.01	0.008	0.008	0.007	0.009	0.008	0.019	2	0.017	2	9999	Si
116	0.016	0.012	0.013	0.01	0.014	0.012	0.012	0.01	0.013	0.012	0.028	2	0.025	2	9999	Si
142	0.02	0.015	0.017	0.013	0.017	0.015	0.015	0.013	0.017	0.015	0.036	2	0.033	2	9999	Si
168	0.023	0.018	0.02	0.016	0.021	0.018	0.018	0.016	0.02	0.018	0.044	2	0.04	2	8906	Si
194	0.026	0.021	0.023	0.018	0.023	0.021	0.02	0.018	0.022	0.021	0.049	2	0.046	2	7844	Si
220	0.028	0.022	0.024	0.02	0.025	0.022	0.022	0.02	0.024	0.022	0.053	2	0.05	2	7292	Si
245	0.028	0.023	0.025	0.02	0.025	0.023	0.022	0.02	0.024	0.023	0.054	2	0.051	2	7143	Si
271	0.026	0.022	0.024	0.02	0.024	0.022	0.022	0.02	0.023	0.022	0.052	2	0.05	2	7404	Si
284	0.025	0.021	0.023	0.019	0.023	0.021	0.021	0.019	0.022	0.021	0.05	2	0.048	2	7728	Si
317	0.019	0.016	0.018	0.015	0.018	0.016	0.017	0.015	0.017	0.016	0.04	2	0.038	2	9582	Si
336	0.015	0.013	0.014	0.012	0.014	0.013	0.013	0.012	0.013	0.013	0.033	2	0.031	2	9999	Si
362	0.008	0.007	0.008	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.018	2	0.017	2	9999	Si

Trave a "Piano Terra" 54A-(2361; 2924)

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 54A - 55, sezione R 45x70, asta 690

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-2653492	LU 12	-2409162	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-2171673	LU 12	-2171673	-3671293	0.114	Si
65	30.41	5.4	15.21	5.4						-1306517	LU 12	-1882426	-3671293	0.114	Si
131	24.29	5.4	15.21	5.4	-84976	LU 1	267917	1872377	0.087	-169056	LU 12	-651761	-2948234	0.103	Si
196	11.4	5.4	15.21	5.4	759804	LU 11	1102739	1873055	0.09						Si
229	11.4	5.4	15.21	5.4	1145249	LU 11	1441582	1873055	0.09						Si
294	11.4	5.4	22.57	5.4	1759004	LU 11	1962133	2744945	0.105						Si
359	11.4	5.4	22.81	5.4	2163244	LU 11	2273169	2773209	0.105						Si
425	11.4	5.4	22.81	5.4	2357969	LU 11	2653212	2773209	0.105						Si
490	11.4	5.4	22.81	5.4	2343181	LU 11	2809283	2773209	0.105						No
555	11.4	5.4	22.81	5.4	2118878	LU 11	2651083	2773209	0.105						Si
621	11.4	5.4	15.21	5.4	1685062	LU 11	2178612	1873055	0.09						No
686	11.4	5.4	15.21	5.4	1042775	LU 11	1393436	1873055	0.09						Si
751	11.4	5.4	15.21	5.4	192877	LU 11	594260	1873055	0.09	49073	LU 8	-264350	-1422107	0.084	Si
784	16.56	5.4	15.21	5.4	-228486	LU 1	137345	1872678	0.088	-314853	LU 18	-806882	-2033022	0.09	Si
850	19.01	5.4	15.21	5.4						-1476509	LU 12	-2064334	-2323187	0.094	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
915	24.35	5.4	15.21	5.4						-2850271	LU 12	-3531300	-2955828	0.103	No
958	30.41	5.4	15.21	5.4						-3870366	LU 12	-3870366	-3671293	0.114	No
980	30.41	5.4	15.21	5.4						-4433548	LU 12	-4148555	-3671293	0.114	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	22212	LU 11	22212	15145	76908	0	15145	1	Si
23	0.23	30.41	0	21111	LU 11	21111	15145	76908	26676	26676	1	Si
65	0.23	24.29	0	19011	LU 11	19011	14052	76908	26676	26676	1	Si
131	0.226	11.4	0	15805	LU 11	15805	10922	76908	26271	26271	1	Si
196	0.226	15.21	0	12598	LU 11	12598	12021	76908	26271	26271	1	Si
229	0.226	15.21	0	10995	LU 11	10995	12021	76908	26271	26271	1	Si
294	0.226	15.21	0	7789	LU 11	7789	12021	76908	26271	26271	1	Si
359	0.226	22.57	0	4583	LU 11	4583	13712	76908	26271	26271	1	Si
425	0.226	22.81	0	1377	LU 11	1377	13760	76908	26271	26271	1	Si
490	0.226	22.81	0	-1831	LU 12	-1831	-13760	-76908	-26271	-26271	1	Si
555	0.226	15.21	0	-5037	LU 12	-5037	-12021	-76908	-26271	-26271	1	Si
621	0.226	15.21	0	-8243	LU 12	-8243	-12021	-76908	-26271	-26271	1	Si
686	0.226	15.21	0	-11405	LU 12	-11405	-12021	-76908	-26271	-26271	1	Si
751	0.226	15.21	0	-14610	LU 12	-14610	-12021	-76908	-26271	-26271	1	Si
784	0.226	11.4	0	-16213	LU 12	-16213	-10922	-76908	-26271	-26271	1	Si
850	0.226	16.56	0	-19419	LU 12	-19419	-12367	-76908	-26271	-26271	1	Si
915	0.273	19.01	0	-22626	LU 12	-22626	-12949	-76908	-31678	-31678	1	Si
958	0.273	19.01	0	-24728	LU 12	-24728	-12949	-76908	-31678	-31678	1	Si
980	0	24.35	0	-25832	LU 12	-25832	-14064	-76908	0	-14064	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1964726	3	-1783683	42.5	124.5	1028.2	1837	-1616869	2	-1467235	35	93.4	0	+∞	Si
23	-1607713	3	-1607713	38.3	124.5	926.8	1837	-1321812	2	-1321812	31.5	93.4	0	+∞	Si
65	-966693	3	-1393394	33.2	124.5	803.2	1837	-792186	2	-1144702	27.3	93.4	0	+∞	Si
131	-124034	3	-481616	12.3	124.5	344.1	1837	-96527	2	-391646	10	93.4	0	+∞	Si
196	563860	2	817787	25.5	124.5	919.6	1837	470109	2	679133	21.2	93.4	0	+∞	Si
229	849264	2	1068632	33.3	124.5	1201.7	1837	705043	2	885368	27.6	93.4	0	+∞	Si
294	1303542	2	1453790	39.8	124.5	1119.5	1837	1078143	2	1201071	32.9	93.4	0	+∞	Si
359	1602445	2	1683575	45.9	124.5	1283.4	1837	1322220	2	1387751	37.8	93.4	0	+∞	Si
425	1745976	2	1757987	47.9	124.5	1340.2	1837	1437272	2	1445407	39.4	93.4	0	+∞	Si
490	1734133	2	1756681	47.9	124.5	1339.2	1837	1423301	2	1443866	39.4	93.4	0	+∞	Si
555	1566916	2	1658583	45.2	124.5	1264.4	1837	1280307	2	1358268	37	93.4	0	+∞	Si
621	1244325	2	1405111	43.8	124.5	1580.1	1837	1008288	2	1143647	35.6	93.4	0	+∞	Si
686	767194	2	996313	31	124.5	1120.4	1837	608211	2	800096	24.9	93.4	0	+∞	Si
751	136202	2	434182	13.5	124.5	488.2	1837	80854	2	329801	10.3	93.4	0	+∞	Si
784	-240367	9	-605761	17.5	124.5	625.3	1837	-231208	2	-537552	15.5	93.4	0	+∞	Si
850	-1102742	3	-1538983	41.8	124.5	1391.1	1837	-952100	2	-1315841	36.3	93.4	0	+∞	Si
915	-2122220	3	-2627579	67	124.5	1872.6	1837	-1802016	2	-2223154	56.7	93.4	0	+∞	No
958	-2879177	3	-2879177	68.7	124.5	1659.7	1837	-2432785	2	-2432785	58	93.4	0	+∞	Si
980	-3297071	3	-3085601	73.6	124.5	1778.7	1837	-2780955	2	-2604775	62.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	29.6	0.0003	0.0089	3	29.6	0.00028	0.0083	2	29.6	0.00026	0.0076	2	Si
23	superiore	29.6	0.00027	0.008	3	29.6	0.00024	0.0071	2	29.6	0.00022	0.0066	2	Si
65	superiore	29.6	0.00023	0.0069	3	29.6	0.0002	0.006	2	29.6	0.00019	0.0057	2	Si
294	inferiore	34.8	0.00033	0.0113	2	34.8	0.00029	0.0101	2	34.8	0.00027	0.0094	2	Si
359	inferiore	34.5	0.00037	0.0129	2	34.5	0.00036	0.0125	2	34.5	0.00033	0.0114	2	Si
425	inferiore	34.5	0.00039	0.0135	2	34.5	0.00038	0.0133	2	34.5	0.00035	0.0122	2	Si
490	inferiore	34.5	0.00039	0.0135	2	34.5	0.00038	0.0133	2	34.5	0.00035	0.0121	2	Si
555	inferiore	34.5	0.00037	0.0127	2	34.5	0.00035	0.0121	2	34.5	0.00032	0.011	2	Si
621	inferiore	44.5	0.00046	0.0205	2	44.5	0.00042	0.0188	2	44.5	0.00038	0.017	2	Si
850	superiore	38.5	0.00041	0.0156	3	38.5	0.0004	0.0154	2	38.5	0.00037	0.0143	2	Si
882	superiore	38.5	0.0006	0.023	3	38.5	0.0006	0.0232	2	38.5	0.00056	0.0217	2	Si
915	superiore	33.3	0.00065	0.0215	3	33.3	0.00063	0.0211	2	33.3	0.00059	0.0197	2	Si
958	superiore	29.6	0.00057	0.017	3	29.6	0.00056	0.0166	2	29.6	0.00053	0.0156	2	Si
980	superiore	29.6	0.00063	0.0187	3	29.6	0.00061	0.0181	2	29.6	0.00058	0.017	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.018	0.013	0.02	0.011	0.015	0.013	0.015	0.011	0.014	0.013	0.036	2	0.03	2	9999	Si
65	0.055	0.041	0.065	0.035	0.048	0.041	0.049	0.036	0.045	0.041	0.114	2	0.096	2	8596	Si
131	0.121	0.089	0.141	0.078	0.105	0.09	0.106	0.079	0.099	0.09	0.246	2	0.208	2	3991	Si
196	0.188	0.139	0.217	0.121	0.164	0.14	0.165	0.122	0.154	0.14	0.379	2	0.322	2	2585	Si
229	0.22	0.162	0.254	0.142	0.191	0.163	0.192	0.143	0.18	0.163	0.443	2	0.376	2	2215	Si
294	0.274	0.202	0.32	0.177	0.239	0.203	0.241	0.178	0.225	0.203	0.555	2	0.47	2	1766	Si
359	0.314	0.231	0.37	0.203	0.273	0.232	0.279	0.204	0.257	0.232	0.64	2	0.541	2	1532	Si
425	0.335	0.246	0.398	0.216	0.291	0.247	0.299	0.218	0.273	0.247	0.684	2	0.578	2	1434	Si
457	0.338	0.247	0.402	0.218	0.293	0.249	0.301	0.219	0.275	0.249	0.688	2	0.582	2	1424	Si
490	0.335	0.245	0.398	0.215	0.291	0.246	0.298	0.217	0.273	0.247	0.682	2	0.575	2	1438	Si
555	0.316	0.23	0.371	0.2	0.274	0.231	0.277	0.202	0.257	0.231	0.634	2	0.533	2	1546	Si
621	0.278	0.201	0.321	0.173	0.24	0.203	0.239	0.175	0.225	0.203	0.549	2	0.462	2	1785	Si
686	0.226	0.162	0.257	0.137	0.195	0.163	0.191	0.139	0.182	0.163	0.44	2	0.369	2	2228	Si
751	0.165	0.117	0.185	0.096	0.141	0.118	0.135	0.097	0.132	0.118	0.316	2	0.262	2	3102	Si
784	0.133	0.093	0.148	0.075	0.114	0.094	0.107	0.076	0.106	0.094	0.252	2	0.208	2	3883	Si
850	0.072	0.049	0.076	0.035	0.061	0.05	0.053	0.036	0.057	0.05	0.131	2	0.105	2	7464	Si
915	0.024	0.015	0.019	0.005	0.02	0.015	0.011	0.006	0.018	0.015	0.037	2	0.026	2	9999	Si
958	0.006	0.003	0.001	-0.002	0.004	0.003	-0.001	-0.002	0.004	0.003	0.005	2	0.002	2	9999	Si

Campata 2 tra i fili 55 - 56, sezione R 45x70, asta 691

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-3478101	LU 12	-3190840	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-2915214	LU 12	-2915214	-3671293	0.114	Si
26	29.94	5.4	15.21	5.4						-2833036	LU 12	-2915214	-3615647	0.113	Si
52	26.29	5.4	18.07	5.4						-2220714	LU 12	-2912831	-3184498	0.103	Si
77	19.01	5.4	18.52	5.4						-1641135	LU 12	-2296406	-2322913	0.092	Si
90	19.01	5.4	19.01	5.4	-857439	LU 1	49967	2322809	0.092	-1363625	LU 12	-2000473	-2322809	0.092	Si
116	16.58	5.4	19.01	5.4	-521737	LU 4	198742	2323040	0.093	-833811	LU 11	-1433164	-2035775	0.089	Si
142	11.4	5.4	19.01	5.4	-194570	LU 8	298403	2323557	0.097	-338399	LU 11	-898958	-1422107	0.084	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
168	11.4	5.4	19.01	5.4	145969	LU 18	616924	2323557	0.097	90572	LU 1	-399444	-1422107	0.084	Si
194	11.4	5.4	19.01	5.4	567001	LU 18	1008235	2323557	0.097						Si
220	11.4	5.4	19.01	5.4	961260	LU 12	1370880	2323557	0.097						Si
245	11.4	5.4	23.71	6.2	1328007	LU 12	1700781	2842136	0.108						Si
271	11.4	5.4	26.61	6.5	1662010	LU 12	1997939	3161268	0.116						Si
297	11.4	5.4	26.61	6.5	1963270	LU 12	2177602	3161268	0.116						Si
317	11.4	5.4	26.61	6.5	2177602	LU 12	2177602	3161268	0.116						Si
336	11.4	5.4	26.61	6.5	2360682	LU 12	2339484	3161268	0.116						Si
362	11.4	5.4	26.61	6.5	2611969	LU 12	2484785	3161268	0.116						Si
387	11.4	5.4	26.61	6.5	2856424	LU 12	2533219	3161268	0.116						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	24.46	0	25604	LU 12	25604	14085	76908	0	14085	1	Si
13	0	19.01	0	24970	LU 12	24970	12949	76908	0	12949	1	Si
23	0.273	19.01	0	24500	LU 12	24500	12949	76908	31678	31678	1	Si
26	0.273	19.01	0	24337	LU 12	24337	12949	76908	31678	31678	1	Si
52	0.273	16.58	0	23069	LU 12	23069	12373	76908	31678	31678	1	Si
77	0.273	11.4	0	21802	LU 12	21802	10922	76908	31678	31678	1	Si
90	0.273	11.4	0	21168	LU 12	21168	10922	76908	31678	31678	1	Si
116	0.246	11.4	0	19900	LU 12	19900	10922	76908	28613	28613	1	Si
142	0.246	11.4	0	18633	LU 12	18633	10922	76908	28613	28613	1	Si
168	0.246	19.01	0	17365	LU 12	17365	12949	76908	28613	28613	1	Si
194	0.246	19.01	0	16098	LU 12	16098	12949	76908	28613	28613	1	Si
220	0.246	19.01	0	14830	LU 12	14830	12949	76908	28613	28613	1	Si
245	0.246	19.01	0	13563	LU 12	13563	12871	75964	28261	28261	1	Si
271	0.201	19.01	0	12295	LU 12	12295	12837	75548	22929	22929	1	Si
297	0.201	19.01	0	11055	LU 18	11055	12837	75548	22929	22929	1	Si
317	0.201	25.45	0	10255	LU 18	10255	14149	75548	22929	22929	1	Si
336	0	26.61	0	9966	LU 18	9966	14361	75548	0	14361	1	Si
362	0	26.61	0	9701	LU 18	9701	14361	75548	0	14361	1	Si
387	0	26.61	0	9437	LU 18	9437	14361	75548	0	14361	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-2608433	3	-2393294	57.1	124.5	1379.6	1837	-2301503	2	-2113096	50.4	93.4	0	+∞	Si
23	-2186784	3	-2186784	52.2	124.5	1260.6	1837	-1931855	2	-1931855	46.1	93.4	0	+∞	Si
26	-2125216	3	-2186784	51.8	124.5	1279.5	1837	-1877839	2	-1931855	46.3	93.4	0	+∞	Si
52	-1666282	3	-2184998	52.6	124.5	1442.6	1837	-1474340	2	-1930288	46.5	93.4	0	+∞	Si
77	-1231629	3	-1723021	45.6	124.5	1552.8	1837	-1091004	2	-1524263	40.4	93.4	0	+∞	Si
90	-1023408	3	-1501138	39.5	124.5	1352.3	1837	-906898	2	-1328811	35	93.4	0	+∞	Si
116	-625612	2	-1075584	29.6	124.5	1105.4	1837	-553809	2	-953032	26.2	93.4	0	+∞	Si
142	-253204	2	-674553	21.2	124.5	997	1837	-220884	2	-597416	18.7	93.4	0	+∞	Si
168	109389	9	465020	13.4	124.5	422	1837	91877	2	419239	12.1	93.4	0	+∞	Si
194	427304	9	760361	22	124.5	690.1	1837	384474	2	689145	19.9	93.4	0	+∞	Si
220	724918	3	1034137	29.9	124.5	938.6	1837	656907	2	938887	27.1	93.4	0	+∞	Si
245	1001736	3	1283632	35.2	124.5	972.8	1837	909175	2	1168465	32.1	93.4	0	+∞	Si
271	1254273	3	1508844	40.3	124.5	1039.5	1837	1141280	2	1377879	36.8	93.4	0	+∞	Si
297	1482527	3	1645298	44	124.5	1133.5	1837	1353220	2	1506072	40.2	93.4	0	+∞	Si
317	1645298	3	1645298	44	124.5	1133.5	1837	1506072	2	1506072	40.2	93.4	0	+∞	Si
336	1784458	3	1768320	47.3	124.5	1218.3	1837	1637301	2	1621969	43.3	93.4	0	+∞	Si
362	1975421	3	1878741	50.2	124.5	1294.4	1837	1817177	2	1725995	46.1	93.4	0	+∞	Si
387	2161128	3	1915548	51.2	124.5	1319.7	1837	1991798	2	1760671	47.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	29.6	0.00044	0.013	3	29.6	0.00046	0.0136	2	29.6	0.00044	0.0129	2	Si
23	superiore	29.6	0.00038	0.0113	3	29.6	0.00041	0.012	2	29.6	0.00039	0.0114	2	Si
26	superiore	29.8	0.00039	0.0116	3	29.8	0.00041	0.0123	2	29.8	0.00039	0.0117	2	Si
52	superiore	31.9	0.00045	0.0143	3	31.9	0.00047	0.0151	2	31.9	0.00045	0.0144	2	Si
77	superiore	38.5	0.00045	0.0174	3	38.5	0.00048	0.0187	2	38.5	0.00046	0.0177	2	Si
90	superiore	38.5	0.00039	0.0152	3	38.5	0.0004	0.0152	2	38.5	0.00037	0.0144	2	Si
245	inferiore	36.6	0.00028	0.0104	3	36.6	0.00026	0.0097	2	36.6	0.00026	0.0094	2	Si
271	inferiore	34.1	0.0003	0.0103	3	34.1	0.00029	0.0099	2	34.1	0.00028	0.0096	2	Si
297	inferiore	34.1	0.00033	0.0113	3	34.1	0.00034	0.0114	2	34.1	0.00032	0.011	2	Si
317	inferiore	34.1	0.00033	0.0113	3	34.1	0.00034	0.0114	2	34.1	0.00032	0.011	2	Si
336	inferiore	34.1	0.00035	0.0121	3	34.1	0.00037	0.0128	2	34.1	0.00036	0.0123	2	Si
362	inferiore	34.1	0.00038	0.0129	3	34.1	0.00041	0.014	2	34.1	0.0004	0.0135	2	Si
387	inferiore	34.1	0.00038	0.0131	3	34.1	0.00042	0.0144	2	34.1	0.00041	0.0139	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.004	-0.005	-0.004	-0.007	-0.004	-0.005	-0.005	-0.006	-0.004	-0.004	-0.01	1	-0.011	1	9999	Si
26	-0.004	-0.006	-0.005	-0.007	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
52	-0.006	-0.007	-0.006	-0.009	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.013	1	-0.015	1	9999	Si
77	-0.004	-0.006	-0.004	-0.007	-0.005	-0.005	-0.004	-0.006	-0.005	-0.005	-0.01	1	-0.011	1	9999	Si
90	-0.003	-0.005	-0.003	-0.006	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.007	1	-0.008	1	9999	Si
116	0.001	-0.001	0.001	-0.001	0	0	0	0	0	0	0.002	1	0.001	1	9999	Si
142	0.006	0.005	0.006	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.013	1	0.012	1	9999	Si
168	0.011	0.01	0.012	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.024	2	0.024	2	9999	Si
194	0.016	0.014	0.017	0.014	0.015	0.014	0.015	0.014	0.015	0.014	0.036	2	0.035	2	9999	Si
220	0.021	0.018	0.022	0.018	0.019	0.018	0.02	0.018	0.019	0.018	0.046	2	0.045	2	8389	Si
245	0.024	0.021	0.026	0.021	0.022	0.021	0.023	0.021	0.022	0.021	0.054	2	0.052	2	7186	Si
271	0.025	0.022	0.028	0.023	0.023	0.022	0.025	0.023	0.023	0.022	0.058	2	0.056	2	6640	Si
284	0.025	0.022	0.029	0.023	0.023	0.022	0.025	0.023	0.023	0.022	0.059	2	0.057	2	6563	Si
297	0.024	0.021	0.028	0.023	0.022	0.021	0.025	0.023	0.022	0.021	0.058	2	0.056	2	6642	Si
317	0.021	0.019	0.027	0.021	0.02	0.019	0.024	0.021	0.019	0.019	0.054	2	0.052	2	7188	Si
336	0.017	0.015	0.023	0.018	0.016	0.015	0.02	0.018	0.016	0.015	0.046	2	0.044	2	8421	Si
362	0.009	0.008	0.014	0.011	0.008	0.008	0.013	0.011	0.008	0.008	0.028	2	0.027	2	9999	Si

Trave a "Piano Terra" 57A-(2361; 2638)

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100

Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 57A - 58, sezione R 45x70, asta 688

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	15.21	5.4						-2559990	LU 12	-2321407	-3671293	0.114	Si
23	30.41	5.4	15.21	5.4						-2089491	LU 12	-2089491	-3671293	0.114	Si
65	30.41	5.4	15.21	5.4						-1245045	LU 12	-1807327	-3671293	0.114	Si
131	30.41	5.4	15.21	5.4	-62960	LU 1	291155	1872209	0.086	-135078	LU 12	-606155	-3671293	0.114	Si
196	11.4	5.4	15.21	5.4	770708	LU 11	1105009	1873055	0.09						Si
261	11.4	5.4	15.21	5.4	1470788	LU 11	1713885	1873055	0.09						Si
294	11.4	5.4	22.57	5.4	1743962	LU 11	1941455	2744838	0.105						Si
359	11.4	5.4	22.81	5.4	2136574	LU 11	2242862	2773209	0.105						Si
425	11.4	5.4	22.81	5.4	2324207	LU 11	2594982	2773209	0.105						Si
490	11.4	5.4	22.81	5.4	2306862	LU 11	2747310	2773209	0.105						Si
555	11.4	5.4	22.81	5.4	2084538	LU 11	2592170	2773209	0.105						Si
621	11.4	5.4	15.21	5.4	1657235	LU 11	2129562	1873055	0.09						No
686	11.4	5.4	15.21	5.4	1026335	LU 11	1361559	1873055	0.09						Si
751	11.4	5.4	15.21	5.4	192963	LU 11	586573	1873055	0.09	52549	LU 8	-254490	-1422107	0.084	Si
784	11.4	5.4	15.21	5.4	-220986	LU 1	138622	1873055	0.09	-304012	LU 18	-786881	-1422107	0.084	Si
849	11.4	5.4	15.21	5.4						-1442947	LU 12	-2018999	-1422107	0.084	No
882	11.4	5.4	15.21	5.4						-2090270	LU 12	-2711925	-1422107	0.084	No
915	16.75	5.4	15.21	5.4						-2788838	LU 12	-3456095	-2055939	0.091	No
958	22.81	5.4	15.21	5.4						-3787960	LU 12	-3787960	-2773116	0.1	No
980	22.81	5.4	15.21	5.4						-4339709	LU 12	-4060503	-2773116	0.1	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	30.41	0	21696	LU 11	21696	15145	76908	0	15145	1	Si
23	0.23	30.41	0	20616	LU 11	20616	15145	76908	26676	26676	1	Si
65	0.23	30.41	0	18559	LU 11	18559	15145	76908	26676	26676	1	Si
131	0.221	11.4	0	15422	LU 11	15422	10922	76908	25691	25691	1	Si
196	0.221	15.21	0	12284	LU 11	12284	12021	76908	25691	25691	1	Si
261	0.221	15.21	0	9147	LU 11	9147	12021	76908	25691	25691	1	Si
294	0.221	15.21	0	7578	LU 11	7578	12021	76908	25691	25691	1	Si
359	0.221	22.57	0	4441	LU 11	4441	13712	76908	25691	25691	1	Si
425	0.221	22.81	0	1303	LU 11	1303	13760	76908	25691	25691	1	Si
490	0.221	22.81	0	-1835	LU 12	-1835	-13760	-76908	-25691	-25691	1	Si
555	0.221	15.21	0	-4973	LU 12	-4973	-12021	-76908	-25691	-25691	1	Si
621	0.221	15.21	0	-8110	LU 12	-8110	-12021	-76908	-25691	-25691	1	Si
686	0.221	15.21	0	-11187	LU 12	-11187	-12021	-76908	-25691	-25691	1	Si
751	0.221	15.21	0	-14326	LU 12	-14326	-12021	-76908	-25691	-25691	1	Si
784	0.221	11.4	0	-15894	LU 12	-15894	-10922	-76908	-25691	-25691	1	Si
849	0.221	11.4	0	-19032	LU 12	-19032	-10922	-76908	-25691	-25691	1	Si
915	0.259	11.4	0	-22169	LU 12	-22169	-10922	-76908	-30011	-30011	1	Si
958	0.259	11.4	0	-24226	LU 12	-24226	-10922	-76908	-30011	-30011	1	Si
980	0	16.75	0	-25307	LU 12	-25307	-12415	-76908	0	-12415	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1895279	3	-1718471	41	124.5	990.6	1837	-1558719	2	-1412469	33.7	93.4	0	+∞	Si
23	-1546607	3	-1546607	36.9	124.5	891.5	1837	-1270328	2	-1270328	30.3	93.4	0	+∞	Si
65	-920846	3	-1337507	31.9	124.5	771	1837	-752908	2	-1097397	26.2	93.4	0	+∞	Si
131	-98447	3	-447461	10.7	124.5	257.9	1837	-73461	2	-361724	8.6	93.4	0	+∞	Si
196	572451	2	820015	25.5	124.5	922.1	1837	479624	2	683550	21.3	93.4	0	+∞	Si
261	1090830	2	1270747	39.6	124.5	1429	1837	906347	2	1054047	32.8	93.4	0	+∞	Si
294	1293007	2	1439100	39.4	124.5	1108.3	1837	1072322	2	1191910	32.6	93.4	0	+∞	Si
359	1583335	2	1661780	45.3	124.5	1266.8	1837	1309500	2	1372863	37.4	93.4	0	+∞	Si
425	1721629	2	1732427	47.2	124.5	1320.7	1837	1420315	2	1427453	38.9	93.4	0	+∞	Si
490	1707889	2	1730914	47.2	124.5	1319.5	1837	1404767	2	1425741	38.9	93.4	0	+∞	Si
555	1542115	2	1632788	44.5	124.5	1244.7	1837	1262856	2	1340056	36.5	93.4	0	+∞	Si
621	1224307	2	1382627	43.1	124.5	1554.8	1837	994583	2	1128007	35.1	93.4	0	+∞	Si
686	755520	2	980539	30.5	124.5	1102.6	1837	600963	2	789699	24.6	93.4	0	+∞	Si
751	136610	2	428905	13.4	124.5	482.3	1837	82813	2	327420	10.2	93.4	0	+∞	Si
784	-232140	9	-590785	19.4	124.5	874.8	1837	-223648	2	-524479	17.2	93.4	0	+∞	Si
849	-1077830	3	-1505442	49.4	124.5	2229.2	1837	-931342	2	-1288399	42.3	93.4	0	+∞	No
882	-1558348	3	-2019783	66.3	124.5	2990.8	1837	-1332575	2	-1717745	56.4	93.4	0	+∞	No
915	-2076874	3	-2572133	73.9	124.5	2625.6	1837	-1765399	2	-2178681	62.6	93.4	0	+∞	No
958	-2818445	3	-2818445	73.3	124.5	2138.6	1837	-2384183	2	-2384183	62	93.4	0	+∞	No
980	-3227952	3	-3020727	78.6	124.5	2292.1	1837	-2725819	2	-2552948	66.4	93.4	0	+∞	No

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	29.6	0.00029	0.0085	3	29.6	0.00027	0.0079	2	29.6	0.00024	0.0071	2	Si
23	superiore	29.6	0.00026	0.0077	3	29.6	0.00023	0.0067	2	29.6	0.00021	0.0063	2	Si
65	superiore	29.6	0.00022	0.0066	3	29.6	0.0002	0.0058	2	29.6	0.00018	0.0054	2	Si
261	inferiore	44.5	0.00042	0.0185	2	44.5	0.00037	0.0164	2	44.5	0.00035	0.0154	2	Si
294	inferiore	34.8	0.00032	0.0112	2	34.8	0.00029	0.01	2	34.8	0.00027	0.0093	2	Si
359	inferiore	34.5	0.00037	0.0127	2	34.5	0.00036	0.0123	2	34.5	0.00032	0.0112	2	Si
425	inferiore	34.5	0.00038	0.0133	2	34.5	0.00038	0.013	2	34.5	0.00035	0.0119	2	Si
490	inferiore	34.5	0.00038	0.0133	2	34.5	0.00038	0.013	2	34.5	0.00034	0.0119	2	Si
555	inferiore	34.5	0.00036	0.0125	2	34.5	0.00034	0.0119	2	34.5	0.00031	0.0108	2	Si
621	inferiore	44.5	0.00045	0.0202	2	44.5	0.00041	0.0184	2	44.5	0.00037	0.0166	2	Si
849	superiore	54.5	0.00065	0.0354	3	54.5	0.00067	0.0365	2	54.5	0.00063	0.0341	2	No
882	superiore	54.5	0.001	0.0545	3	54.5	0.001	0.0543	2	54.5	0.00093	0.0509	2	No
915	superiore	41.7	0.00094	0.0391	3	41.7	0.00091	0.038	2	41.7	0.00085	0.0357	2	No
958	superiore	34.5	0.00076	0.0264	3	34.5	0.00074	0.0256	2	34.5	0.0007	0.024	2	Si
980	superiore	34.5	0.00084	0.0289	3	34.5	0.00081	0.0279	2	34.5	0.00076	0.0262	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
23	0.018	0.013	0.02	0.011	0.015	0.013	0.015	0.011	0.015	0.013	0.036	2	0.03	2	9999	Si
65	0.055	0.041	0.063	0.035	0.048	0.041	0.048	0.035	0.045	0.041	0.112	2	0.095	2	8723	Si
131	0.121	0.09	0.136	0.077	0.105	0.09	0.104	0.077	0.099	0.09	0.241	2	0.205	2	4068	Si
196	0.187	0.139	0.21	0.119	0.163	0.139	0.16	0.12	0.154	0.139	0.371	2	0.316	2	2640	Si
261	0.247	0.183	0.278	0.157	0.215	0.184	0.212	0.158	0.203	0.184	0.49	2	0.416	2	2000	Si
294	0.272	0.201	0.309	0.173	0.237	0.202	0.234	0.174	0.223	0.202	0.542	2	0.459	2	1809	Si
359	0.311	0.23	0.357	0.198	0.271	0.231	0.27	0.199	0.255	0.231	0.623	2	0.528	2	1573	Si
425	0.331	0.244	0.382	0.211	0.288	0.245	0.288	0.212	0.271	0.245	0.664	2	0.563	2	1475	Si
457	0.334	0.246	0.385	0.212	0.291	0.247	0.29	0.213	0.273	0.247	0.668	2	0.565	2	1467	Si
490	0.332	0.244	0.381	0.209	0.288	0.245	0.287	0.21	0.271	0.245	0.66	2	0.558	2	1484	Si
555	0.312	0.229	0.354	0.194	0.271	0.23	0.265	0.195	0.255	0.23	0.612	2	0.515	2	1602	Si
621	0.275	0.2	0.305	0.167	0.238	0.201	0.228	0.168	0.224	0.201	0.527	2	0.443	2	1861	Si
686	0.224	0.161	0.242	0.131	0.193	0.162	0.18	0.132	0.181	0.162	0.417	2	0.35	2	2348	Si
751	0.163	0.116	0.171	0.09	0.14	0.117	0.126	0.091	0.131	0.117	0.294	2	0.244	2	3338	Si
784	0.132	0.093	0.134	0.069	0.113	0.094	0.098	0.07	0.105	0.094	0.23	2	0.189	2	4260	Si
849	0.072	0.049	0.064	0.03	0.061	0.05	0.045	0.031	0.057	0.05	0.109	2	0.087	2	8956	Si
915	0.024	0.015	0.01	0.001	0.02	0.016	0.004	0.001	0.018	0.016	0.02	2	0.012	2	9999	Si
958	0.006	0.003	-0.004	-0.004	0.005	0.003	-0.004	-0.004	0.004	0.003	-0.003	2	-0.005	2	9999	Si

Campata 2 tra i fili 58 - 59, sezione R 45x70, asta 689

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4						-3268972	LU 12	-3000937	-2773116	0.1	No
23	22.81	5.4	15.21	5.4						-2744290	LU 12	-2744290	-2773116	0.1	Si
26	22.34	5.4	15.21	5.4						-2667747	LU 12	-2744290	-2717318	0.099	No
52	18.68	5.4	18.07	5.4						-2098569	LU 12	-2742070	-2284654	0.092	No
77	11.4	5.4	18.52	5.4						-1561440	LU 12	-2168878	-1422107	0.084	No
90	11.4	5.4	19.01	5.4	-820870	LU 1	48897	2323557	0.097	-1304894	LU 12	-1894300	-1422107	0.084	No
116	11.4	5.4	19.01	5.4	-511793	LU 8	194520	2323557	0.097	-816613	LU 11	-1369179	-1422107	0.084	Si
142	11.4	5.4	19.01	5.4	-212346	LU 8	292071	2323557	0.097	-361668	LU 11	-876624	-1422107	0.084	Si
168	11.4	5.4	19.01	5.4	83196	LU 18	510835	2323557	0.097	47097	LU 1	-417665	-1422107	0.084	Si
194	11.4	5.4	19.01	5.4	465682	LU 18	862114	2323557	0.097						Si
220	11.4	5.4	19.01	5.4	819913	LU 12	1186916	2323557	0.097						Si
245	11.4	5.4	28.41	6.1	1148730	LU 12	1479670	3395258	0.125						Si
271	11.4	5.4	34.21	6.3	1445500	LU 12	1740377	4033365	0.169						Si
297	11.4	5.4	34.21	6.3	1710221	LU 12	1896166	4033365	0.169						Si
317	11.4	5.4	34.21	6.3	1896166	LU 12	1896166	4033365	0.169						Si
336	11.4	5.4	34.21	6.3	2053882	LU 12	2035980	4033365	0.169						Si
362	11.4	5.4	34.21	6.3	2269429	LU 12	2161473	4033365	0.169						Si
387	11.4	5.4	34.21	6.3	2479226	LU 18	2203303	4033365	0.169						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	16.86	0	23894	LU 12	23894	12441	76908	0	12441	1	Si
13	0	11.4	0	23273	LU 12	23273	10922	76908	0	10922	1	Si
23	0.273	11.4	0	22813	LU 12	22813	10922	76908	31678	31678	1	Si
26	0.273	11.4	0	22653	LU 12	22653	10922	76908	31678	31678	1	Si
52	0.273	11.4	0	21412	LU 12	21412	10922	76908	31678	31678	1	Si
77	0.273	11.4	0	20172	LU 12	20172	10922	76908	31678	31678	1	Si
90	0.273	11.4	0	19552	LU 12	19552	10922	76908	31678	31678	1	Si
116	0.24	11.4	0	18311	LU 12	18311	10922	76908	27860	27860	1	Si
142	0.24	11.4	0	17070	LU 12	17070	10922	76908	27860	27860	1	Si
168	0.24	19.01	0	15830	LU 12	15830	12949	76908	27860	27860	1	Si
194	0.24	19.01	0	14589	LU 12	14589	12949	76908	27860	27860	1	Si
220	0.24	19.01	0	13349	LU 12	13349	12949	76908	27860	27860	1	Si
245	0.24	19.01	0	12108	LU 12	12108	12884	76120	27574	27574	1	Si
271	0.187	19.01	0	10868	LU 12	10868	12862	75850	21376	21376	1	Si
297	0.187	19.01	0	9673	LU 18	9673	12862	75850	21376	21376	1	Si
317	0.187	31.89	0	8887	LU 18	8887	15283	75850	21376	21376	1	Si
336	0	34.21	0	8599	LU 18	8599	15646	75850	0	15646	1	Si
362	0	34.21	0	8335	LU 18	8335	15646	75850	0	15646	1	Si
387	0	34.21	0	8070	LU 18	8070	15646	75850	0	15646	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-2451136	3	-2250468	58.5	124.5	1707.6	1837	-2160701	2	-1985295	51.6	93.4	0	+∞	Si
23	-2058247	3	-2058247	53.5	124.5	1561.8	1837	-1816909	2	-1816909	47.3	93.4	0	+∞	Si
26	-2000921	3	-2058247	53.9	124.5	1593.3	1837	-1766709	2	-1816909	47.6	93.4	0	+∞	Si
52	-1574476	3	-2056584	55.1	124.5	1884.9	1837	-1392474	2	-1815453	48.6	93.4	0	+∞	No
77	-1171802	3	-1627161	51.3	124.5	2405.4	1837	-1037995	2	-1438743	45.4	93.4	0	+∞	No
90	-979378	3	-1421364	44.6	124.5	2100.7	1837	-868165	2	-1257796	39.5	93.4	0	+∞	No
116	-612877	2	-1027596	32.2	124.5	1518.7	1837	-543321	2	-910721	28.6	93.4	0	+∞	Si
142	-271004	2	-657944	20.6	124.5	971.8	1837	-238233	2	-583402	18.3	93.4	0	+∞	Si
168	61743	9	384607	11.1	124.5	349.1	1837	47097	2	344089	9.9	93.4	0	+∞	Si
194	350501	9	649854	18.8	124.5	589.8	1837	312672	2	587432	17	93.4	0	+∞	Si
220	618016	3	895044	25.9	124.5	812.3	1837	558489	2	811018	23.4	93.4	0	+∞	Si
245	866185	3	1116464	28.9	124.5	709	1837	784551	2	1014847	26.3	93.4	0	+∞	Si
271	1090583	3	1314115	31.8	124.5	706.8	1837	990855	2	1198920	29.6	93.4	0	+∞	Si
297	1291211	3	1432510	35.3	124.5	770.5	1837	1177404	2	1310476	32.3	93.4	0	+∞	Si
317	1432510	3	1432510	35.3	124.5	770.5	1837	1310476	2	1310476	32.3	93.4	0	+∞	Si
336	1552481	3	1538836	38	124.5	827.7	1837	1424017	2	1410986	34.8	93.4	0	+∞	Si
362	1716405	3	1634272	40.3	124.5	879	1837	1578970	2	1501201	37	93.4	0	+∞	Si
387	1875795	9	1666084	41.1	124.5	896.1	1837	1728668	2	1531273	37.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	34.5	0.00055	0.0191	3	34.5	0.00058	0.0199	2	34.5	0.00055	0.0189	2	Si
23	superiore	34.5	0.00048	0.0167	3	34.5	0.00051	0.0177	2	34.5	0.00049	0.0168	2	Si
26	superiore	35	0.0005	0.0173	3	35	0.00052	0.0183	2	35	0.0005	0.0174	2	Si
52	superiore	38.9	0.0006	0.0234	3	38.9	0.00063	0.0245	2	38.9	0.0006	0.0233	2	Si
77	superiore	54.5	0.00072	0.0391	3	54.5	0.00077	0.0419	2	54.5	0.00073	0.0399	2	No
90	superiore	54.5	0.00061	0.0333	3	54.5	0.00064	0.0346	2	54.5	0.0006	0.0328	2	No
271	inferiore	28.9	0.00021	0.006	3	28.9	0.00019	0.0056	2	28.9	0.00019	0.0054	2	Si
297	inferiore	28.9	0.00022	0.0065	3	28.9	0.00021	0.0061	2	28.9	0.00021	0.0059	2	Si
317	inferiore	28.9	0.00022	0.0065	3	28.9	0.00021	0.0061	2	28.9	0.00021	0.0059	2	Si
336	inferiore	28.9	0.00024	0.007	3	28.9	0.00023	0.0066	2	28.9	0.00022	0.0064	2	Si
362	inferiore	28.9	0.00026	0.0074	3	28.9	0.00025	0.0073	2	28.9	0.00024	0.007	2	Si

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
387	inferiore	28.9	0.00026	0.0076	3	28.9	0.00026	0.0075	2	28.9	0.00025	0.0072	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
23	-0.004	-0.005	-0.005	-0.008	-0.004	-0.005	-0.005	-0.007	-0.004	-0.004	-0.013	1	-0.014	1	9999	Si
26	-0.005	-0.006	-0.006	-0.009	-0.005	-0.005	-0.006	-0.007	-0.005	-0.005	-0.014	1	-0.016	1	9999	Si
52	-0.006	-0.008	-0.008	-0.012	-0.006	-0.007	-0.008	-0.01	-0.006	-0.007	-0.02	1	-0.022	1	9999	Si
77	-0.005	-0.007	-0.007	-0.011	-0.005	-0.006	-0.007	-0.009	-0.006	-0.006	-0.019	1	-0.021	1	9999	Si
90	-0.004	-0.006	-0.006	-0.01	-0.004	-0.005	-0.006	-0.008	-0.004	-0.005	-0.017	1	-0.018	1	9999	Si
116	-0.001	-0.002	-0.003	-0.007	-0.001	-0.002	-0.003	-0.005	-0.001	-0.002	-0.01	1	-0.011	1	9999	Si
142	0.003	0.002	0.001	-0.002	0.003	0.002	0	-0.001	0.003	0.002	-0.001	1	-0.002	1	9999	Si
168	0.008	0.007	0.005	0.003	0.007	0.007	0.004	0.004	0.007	0.007	0.008	2	0.008	2	9999	Si
194	0.013	0.011	0.009	0.007	0.011	0.011	0.008	0.008	0.011	0.011	0.018	2	0.018	2	9999	Si
220	0.017	0.015	0.013	0.012	0.015	0.015	0.012	0.012	0.015	0.015	0.027	2	0.026	2	9999	Si
245	0.02	0.017	0.016	0.014	0.018	0.017	0.015	0.014	0.018	0.017	0.033	2	0.032	2	9999	Si
271	0.021	0.018	0.018	0.016	0.019	0.018	0.016	0.016	0.019	0.018	0.037	2	0.036	2	9999	Si
284	0.021	0.018	0.018	0.016	0.019	0.018	0.017	0.016	0.019	0.018	0.038	2	0.036	2	9999	Si
297	0.02	0.018	0.018	0.016	0.019	0.018	0.017	0.016	0.018	0.018	0.038	2	0.036	2	9999	Si
317	0.018	0.016	0.017	0.014	0.017	0.016	0.016	0.014	0.016	0.016	0.035	2	0.034	2	9999	Si
336	0.015	0.013	0.015	0.012	0.014	0.013	0.013	0.012	0.013	0.013	0.031	2	0.029	2	9999	Si
362	0.008	0.007	0.009	0.008	0.007	0.007	0.008	0.008	0.007	0.007	0.019	2	0.018	2	9999	Si

Trave a "Piano Terra" 60A-49A

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 60A - 57A, sezione R 45x70, asta 673

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	26.61	5.4	11.4	5.4						-1140261	LU 12	-1031929	-3221991	0.114	Si
19	26.61	5.4	11.4	5.4						-957458	LU 12	-955174	-3221991	0.114	Si
23	26.61	5.4	11.4	5.4						-926081	LU 12	-926081	-3221991	0.114	Si
38	26.61	5.4	11.4	5.4						-778412	LU 12	-926081	-3221991	0.114	Si
57	26.61	5.4	11.4	5.4						-603124	LU 12	-870567	-3221991	0.114	Si
77	26.61	5.4	11.4	5.4	-253346	LU 1	10370	1422107	0.084	-431595	LU 12	-693335	-3221991	0.114	Si
86	26.33	5.4	11.4	5.4	-202697	LU 1	19531	1422107	0.084	-347240	LU 12	-606129	-3189410	0.113	Si
105	21.82	5.4	11.4	5.4	-103566	LU 1	63335	1422107	0.084	-181348	LU 12	-434535	-2656188	0.103	Si
125	17.3	5.4	11.4	5.4	-7327	LU 1	219605	1422107	0.084	-19214	LU 12	-266699	-2121678	0.094	Si
144	7.6	5.4	11.4	5.4	139262	LU 11	372263	1422093	0.084	85498	LU 8	-102621	-970824	0.078	Si
163	7.6	5.4	11.4	5.4	293779	LU 12	521178	1422093	0.084						Si
182	7.6	5.4	11.4	5.4	444639	LU 12	666335	1422093	0.084						Si
201	7.6	5.4	11.4	5.4	591740	LU 12	807734	1422093	0.084						Si
211	7.6	5.4	11.4	5.4	663881	LU 12	877025	1422093	0.084						Si
230	7.6	5.4	11.4	5.4	805345	LU 12	1012786	1422093	0.084						Si
249	7.6	5.4	11.4	5.4	943050	LU 12	1053811	1422093	0.084						Si
265	7.6	5.4	11.4	5.4	1053811	LU 12	1053811	1422093	0.084						Si
268	7.6	5.4	11.4	5.4	1076998	LU 12	1075231	1422093	0.084						Si
287	7.6	5.4	11.4	5.4	1207187	LU 12	1131741	1422093	0.084						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	9639	LU 12	9639	14486	76908	0	14486	1	Si
19	0	26.33	0	9443	LU 12	9443	14436	76908	0	14436	1	Si
23	0.201	26.33	0	9409	LU 12	9409	14436	76908	23342	23342	1	Si
38	0.201	21.82	0	9247	LU 12	9247	13558	76908	23342	23342	1	Si
57	0.201	17.3	0	9051	LU 12	9051	12550	76908	23342	23342	1	Si
77	0.201	7.6	0	8854	LU 12	8854	9541	76908	23342	23342	1	Si
86	0.201	7.6	0	8756	LU 12	8756	9541	76908	23342	23342	1	Si
105	0.196	7.6	0	8560	LU 12	8560	9541	76908	22795	22795	1	Si
125	0.196	7.6	0	8364	LU 12	8364	9541	76908	22795	22795	1	Si
144	0.196	11.4	0	8168	LU 12	8168	10922	76908	22795	22795	1	Si
163	0.196	11.4	0	7972	LU 12	7972	10922	76908	22795	22795	1	Si
182	0.196	11.4	0	7776	LU 12	7776	10922	76908	22795	22795	1	Si
201	0.187	11.4	0	7579	LU 12	7579	10922	76908	21675	21675	1	Si
211	0.187	11.4	0	7481	LU 12	7481	10922	76908	21675	21675	1	Si
230	0.187	11.4	0	7285	LU 12	7285	10922	76908	21675	21675	1	Si
249	0.187	11.4	0	7089	LU 12	7089	10922	76908	21675	21675	1	Si
265	0.187	11.4	0	6927	LU 12	6927	10922	76908	21675	21675	1	Si
268	0	11.4	0	6893	LU 12	6893	10922	76908	0	10922	1	Si
287	0	11.4	0	6697	LU 12	6697	10922	76908	0	10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-851449	3	-770346	20	124.5	507	1837	-734364	2	-663424	17.3	93.4	0	+∞	Si
19	-714628	3	-712921	18.5	124.5	469.2	1837	-614852	2	-613369	15.9	93.4	0	+∞	Si
23	-691154	3	-691154	18	124.5	454.9	1837	-594396	2	-594396	15.5	93.4	0	+∞	Si
38	-580697	3	-691154	18	124.5	454.9	1837	-498231	2	-594396	15.5	93.4	0	+∞	Si
57	-449658	3	-649622	16.9	124.5	427.5	1837	-384501	2	-558203	14.5	93.4	0	+∞	Si
77	-321509	3	-517087	13.4	124.5	340.3	1837	-273662	2	-442977	11.5	93.4	0	+∞	Si
86	-258519	3	-451904	11.8	124.5	300.4	1837	-219327	2	-386449	10.1	93.4	0	+∞	Si
105	-134707	3	-323706	9	124.5	257.5	1837	-112824	2	-275560	7.6	93.4	0	+∞	Si
125	-13786	3	-198398	5.9	124.5	197	1837	-9212	2	-167562	5	93.4	0	+∞	Si
144	104311	2	277791	10.1	124.5	413.6	1837	91509	2	238794	8.7	93.4	0	+∞	Si
163	219384	3	388544	14.1	124.5	578.5	1837	189339	2	332237	12.1	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
182	331632	3	496407	18	124.5	739.1	1837	284278	2	422790	15.3	93.4	0	+∞	Si
201	440990	3	601378	21.8	124.5	895.4	1837	376326	2	510452	18.5	93.4	0	+∞	Si
211	494584	3	652780	23.7	124.5	971.9	1837	421266	2	553199	20.1	93.4	0	+∞	Si
230	599606	3	753415	27.4	124.5	1121.8	1837	508978	2	636525	23.1	93.4	0	+∞	Si
249	701736	3	783801	28.5	124.5	1167	1837	593799	2	661572	24	93.4	0	+∞	Si
265	783801	3	783801	28.5	124.5	1167	1837	661572	2	661572	24	93.4	0	+∞	Si
268	800975	3	799665	29	124.5	1190.6	1837	675729	2	674643	24.5	93.4	0	+∞	Si
287	897324	3	841518	30.6	124.5	1252.9	1837	754768	2	709126	25.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
38	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
57	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
77	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
86	0	-0.001	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
105	0	0	0.001	0	0	0	0	0	0	0	0.002	2	0.002	2	9999	Si
125	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.004	2	0.004	2	9999	Si
144	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.006	2	0.006	2	9999	Si
163	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.008	2	0.007	2	9999	Si
182	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si
201	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si
211	0.005	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.01	2	0.009	2	9999	Si
230	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.01	2	0.009	2	9999	Si
249	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.008	2	0.007	2	9999	Si
265	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
268	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si

Campata 2 tra i fili 57A - 54A, sezione R 45x70, asta 674

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	337181	LU 11	337181	1422093	0.084						Si
19	7.6	5.4	11.4	5.4	382074	LU 11	382074	1422093	0.084						Si
23	7.6	5.4	11.4	5.4	389765	LU 11	450163	1422093	0.084						Si
38	7.6	5.4	11.4	5.4	423261	LU 11	479012	1422093	0.084						Si
57	7.6	5.4	11.4	5.4	460742	LU 11	510868	1422093	0.084						Si
67	7.6	5.4	11.4	5.4	478093	LU 11	525432	1422093	0.084						Si
86	7.6	5.4	11.4	5.4	510051	LU 12	551780	1422093	0.084						Si
105	7.6	5.4	11.4	5.4	538355	LU 12	574422	1422093	0.084						Si
124	7.6	5.4	11.4	5.4	562954	LU 12	593359	1422093	0.084						Si
143	7.6	5.4	11.4	5.4	583848	LU 12	608591	1422093	0.084						Si
162	7.6	5.4	11.4	5.4	601035	LU 12	620116	1422093	0.084						Si
181	7.6	5.4	11.4	5.4	614518	LU 12	627936	1422093	0.084						Si
200	7.6	5.4	11.4	5.4	624294	LU 12	632051	1422093	0.084						Si
209	7.6	5.4	11.4	5.4	627793	LU 12	632730	1422093	0.084						Si
228	7.6	5.4	11.4	5.4	632010	LU 12	632730	1422093	0.084						Si
247	7.6	5.4	11.4	5.4	632523	LU 12	632730	1422093	0.084						Si
263	7.6	5.4	11.4	5.4	630082	LU 12	632730	1422093	0.084						Si
266	7.6	5.4	11.4	5.4	629330	LU 12	629330	1422093	0.084						Si
285	7.6	5.4	11.4	5.4	622431	LU 12	622431	1422093	0.084						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	2462	LU 12	2462	10922	76908	0	10922	1	Si
19	0	11.4	0	2267	LU 12	2267	10922	76908	0	10922	1	Si
23	0.158	11.4	0	2231	LU 12	2231	10922	76908	18340	18340	1	Si
38	0.158	11.4	0	2072	LU 12	2072	10922	76908	18340	18340	1	Si
57	0.158	11.4	0	1877	LU 12	1877	10922	76908	18340	18340	1	Si
67	0.158	11.4	0	1780	LU 12	1780	10922	76908	18340	18340	1	Si
86	0.158	11.4	0	1585	LU 12	1585	10922	76908	18340	18340	1	Si
105	0.15	11.4	0	1390	LU 12	1390	10922	76908	17440	17440	1	Si
124	0.15	11.4	0	1196	LU 12	1196	10922	76908	17440	17440	1	Si
143	0.15	11.4	0	1001	LU 12	1001	10922	76908	17440	17440	1	Si
162	0.15	11.4	0	806	LU 12	806	10922	76908	17440	17440	1	Si
181	0.15	11.4	0	611	LU 12	611	10922	76908	17440	17440	1	Si
200	0.144	11.4	0	416	LU 12	416	10922	76908	16673	16673	1	Si
209	0.144	11.4	0	319	LU 12	319	10922	76908	16673	16673	1	Si
228	0.144	11.4	0	124	LU 12	124	10922	76908	16673	16673	1	Si
247	0.144	11.4	0	-169	LU 10	-169	-10922	-76908	-16673	-16673	1	Si
263	0.144	11.4	0	-328	LU 10	-328	-10922	-76908	-16673	-16673	1	Si
266	0	11.4	0	-364	LU 10	-364	-10922	-76908	0	-10922	1	Si
285	0	11.4	0	-558	LU 10	-558	-10922	-76908	0	-10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	246320	2	246320	8.9	124.5	366.7	1837	186940	2	186940	6.8	93.4	0	+∞	Si
19	280670	2	280670	10.2	124.5	417.9	1837	220457	2	220457	8	93.4	0	+∞	Si
23	286552	2	332732	12.1	124.5	495.4	1837	226188	2	271095	9.8	93.4	0	+∞	Si
38	312169	2	354774	12.9	124.5	528.2	1837	251124	2	292456	10.6	93.4	0	+∞	Si
57	340818	2	379092	13.8	124.5	564.4	1837	278939	2	315917	11.5	93.4	0	+∞	Si
67	354073	2	390199	14.2	124.5	581	1837	291778	2	326578	11.9	93.4	0	+∞	Si
86	378469	3	410275	14.9	124.5	610.9	1837	315319	2	345763	12.6	93.4	0	+∞	Si
105	400050	3	427500	15.5	124.5	636.5	1837	336008	2	362097	13.1	93.4	0	+∞	Si
124	418780	3	441875	16	124.5	657.9	1837	353847	2	375581	13.6	93.4	0	+∞	Si
143	434660	3	453400	16.5	124.5	675.1	1837	368836	2	386214	14	93.4	0	+∞	Si
162	447689	3	462073	16.8	124.5	688	1837	380974	2	393997	14.3	93.4	0	+∞	Si
181	457868	3	467897	17	124.5	696.7	1837	390262	2	398929	14.5	93.4	0	+∞	Si
200	465196	3	470870	17.1	124.5	701.1	1837	396699	2	401011	14.6	93.4	0	+∞	Si
209	467792	3	471301	17.1	124.5	701.7	1837	398849	2	401022	14.6	93.4	0	+∞	Si
228	470844	3	471301	17.1	124.5	701.7	1837	401010	2	401022	14.6	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
247	471046	3	471301	17.1	124.5	701.7	1837	400321	2	401022	14.6	93.4	0	+∞	Si
263	469012	3	471301	17.1	124.5	701.7	1837	397558	2	401022	14.6	93.4	0	+∞	Si
266	468398	3	468398	17	124.5	697.4	1837	396782	2	396782	14.4	93.4	0	+∞	Si
285	462899	3	462899	16.8	124.5	689.2	1837	390392	2	390392	14.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
19	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
23	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
38	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.01	2	0.009	2	9999	Si
57	0.007	0.005	0.006	0.005	0.006	0.005	0.006	0.005	0.006	0.005	0.014	2	0.012	2	9999	Si
67	0.008	0.006	0.007	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.015	2	0.014	2	9999	Si
86	0.009	0.007	0.009	0.007	0.008	0.007	0.008	0.007	0.008	0.007	0.018	2	0.017	2	9999	Si
105	0.011	0.008	0.01	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.021	2	0.019	2	9999	Si
124	0.011	0.009	0.01	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.022	2	0.02	2	9999	Si
143	0.012	0.009	0.011	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.023	2	0.021	2	9999	Si
152	0.012	0.009	0.011	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.023	2	0.021	2	9999	Si
162	0.012	0.009	0.01	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.023	2	0.021	2	9999	Si
181	0.011	0.009	0.01	0.008	0.01	0.009	0.009	0.008	0.009	0.009	0.022	2	0.02	2	9999	Si
200	0.01	0.008	0.009	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.02	2	0.018	2	9999	Si
209	0.009	0.007	0.009	0.007	0.008	0.007	0.008	0.007	0.008	0.007	0.019	2	0.017	2	9999	Si
228	0.008	0.006	0.007	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.015	2	0.014	2	9999	Si
247	0.006	0.004	0.005	0.004	0.005	0.004	0.005	0.004	0.005	0.004	0.011	2	0.01	2	9999	Si
263	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.006	2	9999	Si
266	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.006	2	9999	Si

Campata 3 tra i fili 54A - 49A, sezione R 45x70, asta 675

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4	1039995	LU 12	986674	1422093	0.084						Si
20	7.6	5.4	11.4	5.4	942565	LU 12	941893	1422093	0.084						Si
23	7.6	5.4	11.4	5.4	930855	LU 12	930855	1422093	0.084						Si
40	7.6	5.4	11.4	5.4	840977	LU 12	930855	1422093	0.084						Si
60	7.6	5.4	11.4	5.4	735232	LU 12	886387	1422093	0.084						Si
81	7.6	5.4	11.4	5.4	625328	LU 12	782481	1422093	0.084						Si
91	7.6	5.4	11.4	5.4	568817	LU 12	728969	1422093	0.084						Si
111	7.6	5.4	11.4	5.4	452677	LU 12	618826	1422093	0.084						Si
131	7.6	5.4	11.4	5.4	332379	LU 12	504525	1422093	0.084						Si
151	7.6	5.4	11.4	5.4	207923	LU 12	386067	1422093	0.084						Si
171	7.6	5.4	11.4	5.4	83639	LU 17	263451	1422093	0.084	60034	LU 2	-113803	-970824	0.078	Si
191	7.6	5.4	11.4	5.4	-9859	LU 8	136677	1422093	0.084	-53673	LU 11	-252580	-970824	0.078	Si
212	7.6	5.4	11.4	5.4	-87484	LU 8	30140	1422093	0.084	-190610	LU 11	-395514	-970824	0.078	Si
232	7.6	5.4	11.4	5.4	-168307	LU 8	196	1422093	0.084	-331704	LU 11	-542606	-970824	0.078	Si
242	7.6	5.4	13.43	5.4						-403810	LU 11	-617711	-971076	0.079	Si
262	7.6	5.4	14.79	5.4						-551141	LU 11	-684866	-971213	0.079	Si
280	7.6	5.4	15.21	5.4						-684866	LU 11	-684866	-971252	0.079	Si
282	7.6	5.4	15.21	5.4						-702630	LU 11	-701765	-971252	0.079	Si
302	7.6	5.4	15.21	5.4						-858277	LU 11	-770322	-971252	0.079	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	-4732	LU 11	-4732	-10922	-76908	0	-10922	1	Si
20	0	11.4	0	-4938	LU 11	-4938	-10922	-76908	0	-10922	1	Si
23	0.187	11.4	0	-4962	LU 11	-4962	-10922	-76908	-21675	-21675	1	Si
40	0.187	11.4	0	-5144	LU 11	-5144	-10922	-76908	-21675	-21675	1	Si
60	0.187	11.4	0	-5351	LU 11	-5351	-10922	-76908	-21675	-21675	1	Si
81	0.187	11.4	0	-5557	LU 11	-5557	-10922	-76908	-21675	-21675	1	Si
91	0.187	11.4	0	-5660	LU 11	-5660	-10922	-76908	-21675	-21675	1	Si
111	0.189	11.4	0	-5866	LU 11	-5866	-10922	-76908	-21890	-21890	1	Si
131	0.189	11.4	0	-6073	LU 11	-6073	-10922	-76908	-21890	-21890	1	Si
151	0.189	11.4	0	-6279	LU 11	-6279	-10922	-76908	-21890	-21890	1	Si
171	0.189	11.4	0	-6485	LU 11	-6485	-10922	-76908	-21890	-21890	1	Si
191	0.189	7.6	0	-6692	LU 11	-6692	-9541	-76908	-21890	-21890	1	Si
212	0.201	7.6	0	-6898	LU 11	-6898	-9541	-76908	-23342	-23342	1	Si
232	0.201	7.6	0	-7104	LU 11	-7104	-9541	-76908	-23342	-23342	1	Si
242	0.201	7.6	0	-7207	LU 11	-7207	-9541	-76908	-23342	-23342	1	Si
262	0.201	7.6	0	-7414	LU 11	-7414	-9541	-76908	-23342	-23342	1	Si
280	0.201	7.6	0	-7596	LU 11	-7596	-9541	-76908	-23342	-23342	1	Si
282	0	7.6	0	-7620	LU 11	-7620	-9541	-76908	0	-9541	1	Si
302	0	7.6	0	-7826	LU 11	-7826	-9541	-76908	0	-9541	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	769043	3	730083	26.5	124.5	1087	1837	628179	2	598569	21.7	93.4	0	+∞	Si
20	697779	3	697284	25.3	124.5	1038.2	1837	573666	2	573273	20.8	93.4	0	+∞	Si
23	689200	3	689200	25	124.5	1026.2	1837	567037	2	567037	20.6	93.4	0	+∞	Si
40	623316	3	689200	25	124.5	1026.2	1837	515953	2	567037	20.6	93.4	0	+∞	Si
60	545655	3	656618	23.8	124.5	977.6	1837	455043	2	541843	19.7	93.4	0	+∞	Si
81	464796	3	580372	21.1	124.5	864.1	1837	390934	2	482348	17.5	93.4	0	+∞	Si
91	423167	3	541049	19.6	124.5	805.6	1837	357680	2	451401	16.4	93.4	0	+∞	Si
111	337510	3	460006	16.7	124.5	684.9	1837	288774	2	387108	14.1	93.4	0	+∞	Si
131	248654	3	375764	13.6	124.5	559.5	1837	216669	2	319617	11.6	93.4	0	+∞	Si
151	156601	3	288324	10.5	124.5	429.3	1837	141366	2	248927	9	93.4	0	+∞	Si
171	64236	8	197686	7.2	124.5	294.3	1837	63572	1	175039	6.4	93.4	0	+∞	Si
191	-37242	2	-184935	4.2	124.5	64.1	1837	-18836	2	-142360	5.7	93.4	0	+∞	Si
212	-138895	2	-291202	6.5	124.5	101	1837	-103734	2	-231872	9.3	93.4	0	+∞	Si
232	-243747	2	-400667	9	124.5	138.9	1837	-191830	2	-324582	13	93.4	0	+∞	Si
242	-297372	2	-456599	10	124.5	156.9	1837	-237078	2	-372136	14.5	93.4	0	+∞	Si
262	-407021	2	-506633	10.9	124.5	173	1837	-329972	2	-414780	15.9	93.4	0	+∞	Si
280	-506633	2	-506633	10.9	124.5	172.7	1837	-414780	2	-414780	15.9	93.4	0	+∞	Si
282	-519869	2	-519225	11.2	124.5	177	1837	-426065	2	-425523	16.3	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
302	-635914	2	-570313	12.3	124.5	194.4	1837	-525355	2	-469107	17.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
23	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.006	2	0.005	2	9999	Si
40	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
60	0.006	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.011	2	0.01	2	9999	Si
81	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
91	0.006	0.005	0.006	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
111	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.012	2	0.011	2	9999	Si
131	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
151	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si
171	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
191	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
212	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	1	0.003	1	9999	Si
232	0.001	0	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
242	0	0	0	0	0	0	0	0	0	0	0.001	1	0	1	9999	Si
262	0	0	0	0	0	0	0	0	0	0	0	1	-0.001	1	9999	Si
280	0	-0.001	0	-0.001	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
282	0	-0.001	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si

Trave a "Piano Terra" 60A-(2361; 2306)

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 60A - 60B, sezione R 45x70, asta 681

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	26.61	5.4	771585	LU 12	757366	3222619	0.107						Si
22	15.21	5.4	26.61	5.4	736403	LU 12	736313	3222619	0.107						Si
23	15.21	5.4	26.61	5.4	735331	LU 12	735331	3222619	0.107						Si
44	15.21	5.4	26.61	5.4	686127	LU 12	735331	3222619	0.107						Si
66	13.82	5.4	26.61	5.4	620757	LU 12	703520	3222453	0.109						Si
88	11.75	5.4	24.09	5.4	540349	LU 11	643007	2925005	0.107						Si
99	10.71	5.4	21.87	5.4	494543	LU 11	607090	2662402	0.104						Si
121	7.6	5.4	15.21	5.4	391611	LU 11	524023	1873491	0.092						Si
143	7.6	5.4	15.21	5.4	273584	LU 11	425948	1873491	0.092						Si
165	7.6	5.4	15.21	5.4	140462	LU 11	312778	1873491	0.092	79183	LU 8	-61485	-971252	0.079	Si
187	7.6	5.4	15.21	5.4	-4869	LU 2	184514	1873491	0.092	-16282	LU 17	-228329	-971252	0.079	Si
209	7.6	5.4	15.21	5.4	-110311	LU 1	139015	1873491	0.092	-172078	LU 12	-411765	-971252	0.079	Si
231	7.6	5.4	15.21	5.4	-219834	LU 1	82411	1873491	0.092	-350656	LU 12	-610295	-971252	0.079	Si
253	12.17	5.4	15.21	5.4	-338186	LU 1	3165	1872995	0.09	-544329	LU 12	-823920	-1513046	0.085	Si
264	13.21	5.4	15.21	5.4						-646826	LU 12	-936393	-1635950	0.086	Si
286	15.21	5.4	15.21	5.4						-863141	LU 12	-1089127	-1872764	0.089	Si
307	15.21	5.4	15.21	5.4						-1089127	LU 12	-1089127	-1872764	0.089	Si
308	15.21	5.4	15.21	5.4						-1094550	LU 12	-1094550	-1872764	0.089	Si
330	15.21	5.4	15.21	5.4						-1341054	LU 12	-1211182	-1872764	0.089	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.61	0	-1288	LU 17	-1288	-14486	-76908	0	-14486	1	Si
22	0	24.09	0	-1943	LU 12	-1943	-14014	-76908	0	-14014	1	Si
23	0.158	24.09	0	-1959	LU 12	-1959	-14014	-76908	-18340	-18340	1	Si
44	0.158	15.21	0	-2629	LU 12	-2629	-12021	-76908	-18340	-18340	1	Si
66	0.158	15.21	0	-3316	LU 12	-3316	-12021	-76908	-18340	-18340	1	Si
88	0.158	15.21	0	-4002	LU 12	-4002	-12021	-76908	-18340	-18340	1	Si
99	0.18	15.21	0	-4345	LU 12	-4345	-12021	-76908	-20943	-20943	1	Si
121	0.18	15.21	0	-5031	LU 12	-5031	-12021	-76908	-20943	-20943	1	Si
143	0.18	15.21	0	-5718	LU 12	-5718	-12021	-76908	-20943	-20943	1	Si
165	0.18	15.21	0	-6404	LU 12	-6404	-12021	-76908	-20943	-20943	1	Si
187	0.18	7.6	0	-7090	LU 12	-7090	-9541	-76908	-20943	-20943	1	Si
209	0.18	7.6	0	-7777	LU 12	-7777	-9541	-76908	-20943	-20943	1	Si
231	0.18	7.6	0	-8463	LU 12	-8463	-9541	-76908	-20943	-20943	1	Si
253	0.201	7.6	0	-9149	LU 12	-9149	-9541	-76908	-23342	-23342	1	Si
264	0.201	7.6	0	-9493	LU 12	-9493	-9541	-76908	-23342	-23342	1	Si
286	0.201	7.6	0	-10179	LU 12	-10179	-9541	-76908	-23342	-23342	1	Si
307	0.201	11.13	0	-10849	LU 12	-10849	-10835	-76908	-23342	-23342	1	Si
308	0	11.13	0	-10865	LU 12	-10865	-10835	-76908	0	-10835	1	Si
330	0	13.21	0	-11552	LU 12	-11552	-11470	-76908	0	-11470	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	579702	3	568768	14.1	124.5	371.8	1837	516672	2	505770	12.5	93.4	0	+∞	Si
22	552827	3	552760	13.7	124.5	361.9	1837	490687	2	490629	12.2	93.4	0	+∞	Si
23	552013	3	552013	13.7	124.5	361.4	1837	489923	2	489923	12.2	93.4	0	+∞	Si
44	514712	3	552013	13.7	124.5	361.4	1837	455150	2	489923	12.2	93.4	0	+∞	Si
66	465358	3	527882	13.3	124.5	346.2	1837	410062	2	467354	11.8	93.4	0	+∞	Si
88	404800	2	482144	12.9	124.5	348.7	1837	355421	2	425340	11.4	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
99	370346	2	455060	12.7	124.5	361.4	1837	324519	2	400750	11.2	93.4	0	+∞	Si
121	293007	2	392520	12.9	124.5	443.2	1837	255551	2	344407	11.3	93.4	0	+∞	Si
143	204428	2	318798	10.5	124.5	360	1837	177030	2	278513	9.1	93.4	0	+∞	Si
165	104608	2	233836	7.7	124.5	264	1837	88958	2	203066	6.7	93.4	0	+∞	Si
187	-12137	8	-171532	3.7	124.5	58.5	1837	-9616	1	-152637	5.8	93.4	0	+∞	Si
209	-129426	3	-308804	6.6	124.5	105.3	1837	-115843	2	-272439	10.4	93.4	0	+∞	Si
231	-263082	3	-457317	9.8	124.5	155.9	1837	-232571	2	-401793	15.4	93.4	0	+∞	Si
253	-407978	3	-617070	19.8	124.5	857.8	1837	-358851	2	-540698	17.3	93.4	0	+∞	Si
264	-484641	3	-701161	21.8	124.5	900.5	1837	-425573	2	-613733	19.1	93.4	0	+∞	Si
286	-646396	3	-815338	24.2	124.5	913.8	1837	-566181	2	-712823	21.2	93.4	0	+∞	Si
307	-815338	3	-815338	24.2	124.5	913.8	1837	-712823	2	-712823	21.2	93.4	0	+∞	Si
308	-819392	3	-819392	24.3	124.5	918.3	1837	-716341	2	-716341	21.3	93.4	0	+∞	Si
330	-1003628	3	-906573	26.9	124.5	1016	1837	-876053	2	-791965	23.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
23	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
44	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.006	2	0.006	2	9999	Si
66	0.005	0.004	0.004	0.003	0.005	0.004	0.003	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
88	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.008	2	0.008	2	9999	Si
99	0.005	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.008	2	0.007	2	9999	Si
121	0.005	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
143	0.004	0.003	0.003	0.002	0.004	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si
165	0.003	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
187	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
209	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.002	2	-0.002	2	9999	Si
231	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.004	1	-0.004	1	9999	Si
253	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
264	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.006	1	9999	Si
286	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
307	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
308	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si

Campata 2 tra i fili 60B - 60C, sezione R 45x70, asta 682

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4						-687105	LU 12	-627771	-1872764	0.089	Si
22	15.21	5.4	15.21	5.4						-577042	LU 12	-577042	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4						-576308	LU 12	-576308	-1872764	0.089	Si
45	15.21	5.4	15.21	5.4						-482545	LU 12	-576308	-1872764	0.089	Si
67	13.11	5.4	15.21	5.4						-403613	LU 12	-509876	-1624529	0.086	Si
89	11.01	5.4	15.21	5.4	-208242	LU 1	47487	1873090	0.09	-340246	LU 12	-426248	-1374910	0.083	Si
101	7.6	5.4	15.21	5.4	-194153	LU 1	85419	1873491	0.092	-314400	LU 12	-390272	-971252	0.079	Si
123	7.6	5.4	15.21	5.4	-172805	LU 1	143772	1873491	0.092	-274382	LU 12	-329993	-971252	0.079	Si
145	7.6	5.4	15.21	5.4	-160560	LU 1	178777	1873491	0.092	-249929	LU 12	-285279	-971252	0.079	Si
168	7.6	5.4	15.21	5.4	-157419	LU 1	190433	1873491	0.092	-241042	LU 12	-256131	-971252	0.079	Si
190	7.6	5.4	15.21	5.4	-163382	LU 1	178741	1873491	0.092	-247720	LU 12	-280195	-971252	0.079	Si
212	7.6	5.4	15.21	5.4	-178450	LU 1	143701	1873491	0.092	-269964	LU 12	-322699	-971252	0.079	Si
235	7.6	5.4	15.21	5.4	-202621	LU 1	85312	1873491	0.092	-307773	LU 12	-380769	-971252	0.079	Si
257	12.06	5.4	15.21	5.4	-235896	LU 1	3576	1873005	0.09	-361147	LU 12	-454404	-1499728	0.084	Si
268	13.11	5.4	15.21	5.4						-393672	LU 12	-497059	-1624529	0.086	Si
290	15.21	5.4	15.21	5.4						-470394	LU 12	-561966	-1872764	0.089	Si
313	15.21	5.4	15.21	5.4						-561966	LU 12	-561966	-1872764	0.089	Si
313	15.21	5.4	15.21	5.4						-562683	LU 12	-562683	-1872764	0.089	Si
335	15.21	5.4	15.21	5.4						-670490	LU 12	-612325	-1872764	0.089	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.11	0	5277	LU 12	5277	11442	76908	0	11442	1	Si
22	0	11.01	0	4580	LU 12	4580	10793	76908	0	10793	1	Si
23	0.172	11.01	0	4575	LU 12	4575	10793	76908	20007	20007	1	Si
45	0.172	7.6	0	3883	LU 12	3883	9541	76908	20007	20007	1	Si
67	0.172	7.6	0	3186	LU 12	3186	9541	76908	20007	20007	1	Si
89	0.172	7.6	0	2489	LU 12	2489	9541	76908	20007	20007	1	Si
101	0.161	7.6	0	2140	LU 12	2140	9541	76908	18673	18673	1	Si
123	0.161	7.6	0	1443	LU 12	1443	9541	76908	18673	18673	1	Si
145	0.161	7.6	0	746	LU 12	746	9541	76908	18673	18673	1	Si
168	0.161	7.6	0	68	LU 3	68	9541	76908	18673	18673	1	Si
168	0.161	7.6	0	-82	LU 10	-82	-9541	-76908	-18673	-18673	1	Si
190	0.161	7.6	0	-656	LU 11	-656	-9541	-76908	-18673	-18673	1	Si
212	0.161	7.6	0	-1353	LU 11	-1353	-9541	-76908	-18673	-18673	1	Si
235	0.161	7.6	0	-2050	LU 11	-2050	-9541	-76908	-18673	-18673	1	Si
257	0.172	7.6	0	-2747	LU 11	-2747	-9541	-76908	-20007	-20007	1	Si
268	0.172	7.6	0	-3095	LU 11	-3095	-9541	-76908	-20007	-20007	1	Si
290	0.172	7.6	0	-3792	LU 11	-3792	-9541	-76908	-20007	-20007	1	Si
313	0.172	11.01	0	-4485	LU 11	-4485	-10793	-76908	-20007	-20007	1	Si
313	0	11.01	0	-4490	LU 11	-4490	-10793	-76908	0	-10793	1	Si
335	0	13.11	0	-5153	LU 11	-5153	-11442	-76908	0	-11442	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-511788	3	-467743	13.9	124.5	524.2	1837	-434963	2	-398201	11.8	93.4	0	+∞	Si
22	-430104	3	-430104	12.8	124.5	482	1837	-366874	2	-366874	10.9	93.4	0	+∞	Si
23	-429559	3	-429559	12.7	124.5	481.4	1837	-366421	2	-366421	10.9	93.4	0	+∞	Si
45	-360011	3	-429559	12.7	124.5	481.4	1837	-308635	2	-366421	10.9	93.4	0	+∞	Si
67	-301508	3	-380280	11.9	124.5	491.9	1837	-260246	2	-325459	10.2	93.4	0	+∞	Si
89	-254597	3	-318281	10.6	124.5	487.8	1837	-221707	2	-274099	9.1	93.4	0	+∞	Si
101	-235487	3	-291628	6.3	124.5	99.4	1837	-206131	2	-252113	9.6	93.4	0	+∞	Si
123	-205962	3	-247016	5.3	124.5	84.2	1837	-182367	2	-215528	8.2	93.4	0	+∞	Si
145	-188027	3	-213994	4.6	124.5	72.9	1837	-168453	2	-188793	7.2	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
168	-181684	3	-192563	4.1	124.5	65.6	1837	-164389	2	-174149	6.7	93.4	0	+∞	Si
190	-186931	3	-211470	4.5	124.5	72.1	1837	-170176	2	-192757	7.4	93.4	0	+∞	Si
212	-203769	3	-243395	5.2	124.5	83	1837	-185812	2	-221214	8.5	93.4	0	+∞	Si
235	-232198	3	-286911	6.2	124.5	97.8	1837	-211298	2	-259521	9.9	93.4	0	+∞	Si
257	-272218	3	-342018	11	124.5	479.7	1837	-246634	2	-307679	9.9	93.4	0	+∞	Si
268	-296574	3	-373918	11.7	124.5	483.6	1837	-267996	2	-335451	10.5	93.4	0	+∞	Si
290	-353980	3	-422441	12.5	124.5	473.5	1837	-318107	2	-377603	11.2	93.4	0	+∞	Si
313	-422441	3	-422441	12.5	124.5	473.5	1837	-377603	2	-377603	11.2	93.4	0	+∞	Si
313	-422977	3	-422977	12.6	124.5	474.1	1837	-378069	2	-378069	11.2	93.4	0	+∞	Si
335	-503529	3	-460079	13.7	124.5	515.6	1837	-447841	2	-410256	12.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
22	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
23	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
45	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.009	1	9999	Si
67	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
89	-0.006	-0.007	-0.005	-0.007	-0.006	-0.006	-0.005	-0.006	-0.006	-0.006	-0.013	1	-0.014	1	9999	Si
101	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.014	1	-0.015	1	9999	Si
123	-0.006	-0.008	-0.006	-0.008	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.016	1	-0.016	1	9999	Si
145	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.016	1	-0.017	1	9999	Si
168	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.017	1	-0.017	1	9999	Si
190	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.016	1	-0.017	1	9999	Si
212	-0.007	-0.008	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.016	1	-0.017	1	9999	Si
235	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.014	1	-0.015	1	9999	Si
257	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.005	-0.006	-0.013	1	-0.013	1	9999	Si
268	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	1	-0.012	1	9999	Si
290	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
313	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
313	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si

Campata 3 tra i fili 60C - 61, sezione R 45x70, asta 683

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	15.21	5.4						-1092034	LU 12	-1005002	-1872764	0.089	Si
21	15.21	5.4	15.21	5.4						-936154	LU 12	-935972	-1872764	0.089	Si
23	15.21	5.4	15.21	5.4						-925660	LU 12	-925660	-1872764	0.089	Si
42	15.21	5.4	15.21	5.4						-794035	LU 12	-925660	-1872764	0.089	Si
63	13.49	5.4	15.21	5.4						-665662	LU 12	-847448	-1669667	0.086	Si
73	12.5	5.4	15.21	5.4	-399457	LU 1	1632	1872965	0.089	-606631	LU 12	-778897	-1552406	0.085	Si
94	7.6	5.4	15.21	5.4	-336361	LU 1	73841	1873491	0.092	-498876	LU 12	-652103	-971252	0.079	Si
115	7.6	5.4	15.21	5.4	-281305	LU 1	125431	1873491	0.092	-404866	LU 12	-539054	-971252	0.079	Si
136	7.6	5.4	15.21	5.4	-234288	LU 1	156404	1873491	0.092	-326057	LU 18	-439751	-971252	0.079	Si
157	7.6	5.4	15.21	5.4	-195310	LU 1	166759	1873491	0.092	-261851	LU 18	-354470	-971252	0.079	Si
178	7.6	5.4	15.21	5.4	-155769	LU 2	156496	1873491	0.092	-216424	LU 17	-285352	-971252	0.079	Si
199	7.6	5.4	15.21	5.4	-123840	LU 3	125616	1873491	0.092	-184186	LU 15	-232029	-971252	0.079	Si
220	7.6	5.4	15.21	5.4	-103014	LU 3	74117	1873491	0.092	-164595	LU 10	-195508	-971252	0.079	Si
231	7.6	5.4	15.21	5.4	-96852	LU 3	40636	1873491	0.092	-158855	LU 10	-181410	-971252	0.079	Si
252	11.39	5.4	20.99	5.4						-155214	LU 10	-167666	-1420596	0.084	Si
273	13.37	5.4	22.81	5.4						-162024	LU 10	-177881	-1654974	0.085	Si
292	15.21	5.4	22.81	5.4						-177881	LU 10	-177881	-1872416	0.087	Si
294	15.21	5.4	22.81	5.4						-179319	LU 10	-179319	-1872416	0.087	Si
315	15.21	5.4	22.81	5.4						-229446	LU 11	-190245	-1872416	0.087	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	13.49	0	7755	LU 12	7755	11551	76908	0	11551	1	Si
21	0	11.51	0	7100	LU 12	7100	10957	76908	0	10957	1	Si
23	0.23	11.51	0	7053	LU 12	7053	10957	76908	26676	26676	1	Si
42	0.23	7.6	0	6444	LU 12	6444	9541	76908	26676	26676	1	Si
63	0.23	7.6	0	5789	LU 12	5789	9541	76908	26676	26676	1	Si
73	0.23	7.6	0	5462	LU 12	5462	9541	76908	26676	26676	1	Si
94	0.217	7.6	0	4807	LU 12	4807	9541	76908	25175	25175	1	Si
115	0.217	7.6	0	4152	LU 12	4152	9541	76908	25175	25175	1	Si
136	0.217	7.6	0	3497	LU 12	3497	9541	76908	25175	25175	1	Si
157	0.217	7.6	0	2842	LU 12	2842	9541	76908	25175	25175	1	Si
178	0.217	7.6	0	2187	LU 12	2187	9541	76908	25175	25175	1	Si
199	0.217	7.6	0	1540	LU 18	1540	9541	76908	25175	25175	1	Si
220	0.217	7.6	0	932	LU 18	932	9541	76908	25175	25175	1	Si
231	0.201	7.6	0	628	LU 18	628	9541	76908	23342	23342	1	Si
252	0.201	7.6	0	81	LU 8	81	9541	76908	23342	23342	1	Si
252	0.201	7.6	0	-137	LU 11	-137	-9541	-76908	-23342	-23342	1	Si
273	0.201	7.6	0	-792	LU 11	-792	-9541	-76908	-23342	-23342	1	Si
292	0.201	7.6	0	-1493	LU 11	-1493	-9541	-76908	-23342	-23342	1	Si
294	0	7.6	0	-1556	LU 11	-1556	-9541	-76908	0	-9541	1	Si
315	0	11.39	0	-4405	LU 11	-4405	-10918	-76908	0	-10918	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-819171	3	-754358	21.8	124.5	845.4	1837	-723093	2	-668063	19.8	93.4	0	+∞	Si
21	-703085	3	-702950	20.9	124.5	787.8	1837	-624532	2	-624417	18.5	93.4	0	+∞	Si
23	-695270	3	-695270	20.6	124.5	779.2	1837	-617897	2	-617897	18.3	93.4	0	+∞	Si
42	-597247	3	-695270	20.6	124.5	779.2	1837	-534679	2	-617897	18.3	93.4	0	+∞	Si
63	-501644	3	-637024	19.7	124.5	801.4	1837	-453524	2	-568448	17.6	93.4	0	+∞	Si
73	-457681	3	-585973	18.6	124.5	793.6	1837	-416208	2	-525108	16.7	93.4	0	+∞	Si
94	-377432	3	-491546	10.6	124.5	167.6	1837	-348100	2	-444952	17	93.4	0	+∞	Si
115	-307418	3	-407354	8.8	124.5	138.9	1837	-288690	2	-373494	14.3	93.4	0	+∞	Si
136	-248609	9	-333398	7.2	124.5	113.6	1837	-237979	2	-310734	11.9	93.4	0	+∞	Si
157	-200609	9	-269863	5.8	124.5	92	1837	-195966	2	-256673	9.8	93.4	0	+∞	Si
178	-166199	8	-218174	4.7	124.5	74.4	1837	-164371	1	-211310	8.1	93.4	0	+∞	Si
199	-141654	6	-178088	3.8	124.5	60.7	1837	-141472	1	-175513	6.7	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
220	-126612	1	-150274	3.2	124.5	51.2	1837	-126612	1	-149517	5.7	93.4	0	+∞	Si
231	-122197	1	-139545	3	124.5	47.6	1837	-122197	1	-139534	5.3	93.4	0	+∞	Si
252	-119396	1	-128974	4	124.5	190.7	1837	-119396	1	-128974	4	93.4	0	+∞	Si
273	-124634	1	-136832	3.9	124.5	172.9	1837	-124634	1	-136832	3.9	93.4	0	+∞	Si
292	-136832	1	-136832	3.7	124.5	152.6	1837	-136832	1	-136832	3.7	93.4	0	+∞	Si
294	-137938	1	-137938	3.7	124.5	153.8	1837	-137938	1	-137938	3.7	93.4	0	+∞	Si
315	-176142	2	-146343	4	124.5	163.2	1837	-174527	2	-146343	4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
21	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
23	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.007	1	9999	Si
42	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.011	1	-0.011	1	9999	Si
63	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.014	1	-0.014	1	9999	Si
73	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.015	1	-0.015	1	9999	Si
94	-0.007	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.017	1	-0.017	1	9999	Si
115	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.018	1	-0.018	1	9999	Si
126	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.018	1	-0.018	1	9999	Si
136	-0.007	-0.008	-0.007	-0.008	-0.007	-0.008	-0.007	-0.007	-0.007	-0.008	-0.018	1	-0.018	1	9999	Si
157	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.017	1	-0.017	1	9999	Si
178	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.006	-0.007	-0.007	-0.007	-0.016	1	-0.016	1	9999	Si
199	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.014	1	-0.015	1	9999	Si
220	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.013	1	-0.013	1	9999	Si
231	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	2	-0.012	2	9999	Si
252	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	2	-0.009	2	9999	Si
273	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
292	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.004	2	-0.004	2	9999	Si
294	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si

Campata 4 tra i fili 61 - 62, sezione R 45x70, asta 684

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	22.81	5.4						-1325016	LU 12	-1146685	-1872416	0.087	Si
23	15.21	5.4	22.81	5.4						-979610	LU 12	-979610	-1872416	0.087	Si
26	14.89	5.4	22.81	5.4						-929418	LU 12	-979610	-1835041	0.087	Si
52	11.85	5.4	17.41	5.4						-577199	LU 17	-977768	-1546493	0.085	Si
78	7.6	5.4	7.41	5.4	-167012	LU 2	102033	947383	0.076	-290907	LU 17	-618519	-970014	0.076	Si
90	7.6	5.4	7.6	5.4	-43677	LU 2	238148	970067	0.076	-156470	LU 17	-467581	-970067	0.076	Si
116	7.6	5.4	7.6	5.4	205679	LU 11	486852	970067	0.076	72531	LU 8	-190005	-970067	0.076	Si
142	7.6	5.4	7.6	5.4	458280	LU 12	704052	970067	0.076						Si
155	7.6	5.4	7.6	5.4	572822	LU 12	800758	970067	0.076						Si
168	7.6	5.4	12.31	5.4	679436	LU 12	889535	1529224	0.085						Si
194	7.6	5.4	15.21	5.4	868874	LU 12	1043301	1873491	0.092						Si
220	7.6	5.4	15.21	5.4	1026596	LU 12	1165350	1873491	0.092						Si
246	7.6	5.4	15.21	5.4	1152601	LU 12	1255682	1873491	0.092						Si
271	7.6	5.4	15.21	5.4	1246890	LU 12	1314298	1873491	0.092						Si
297	7.6	5.4	15.21	5.4	1309461	LU 12	1335899	1873491	0.092						Si
318	7.6	5.4	15.21	5.4	1335899	LU 12	1335899	1873491	0.092						Si
336	7.6	5.4	15.21	5.4	1351667	LU 18	1351142	1873491	0.092						Si
362	7.6	5.4	15.21	5.4	1378647	LU 18	1372091	1873491	0.092						Si
388	7.6	5.4	15.21	5.4	1398788	LU 18	1379074	1873491	0.092						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.24	0	15919	LU 12	15919	10868	76908	0	10868	1	Si
13	0	7.6	0	15306	LU 12	15306	9541	76908	0	9541	1	Si
23	0.158	7.6	0	14851	LU 12	14851	9541	76908	18340	18340	1	Si
26	0.158	7.6	0	14692	LU 12	14692	9541	76908	18340	18340	1	Si
52	0.158	7.6	0	13465	LU 12	13465	9541	76908	18340	18340	1	Si
78	0.158	7.6	0	12238	LU 12	12238	9541	76908	18340	18340	1	Si
90	0.158	7.6	0	11624	LU 12	11624	9541	76908	18340	18340	1	Si
116	0.117	14.05	0	10397	LU 12	10397	11707	76908	13536	13536	1	Si
142	0.117	7.41	0	9170	LU 12	9170	9461	76908	13536	13536	1	Si
168	0.117	7.6	0	7943	LU 12	7943	9541	76908	13536	13536	1	Si
194	0.117	7.6	0	6759	LU 18	6759	9541	76908	13536	13536	1	Si
220	0.117	7.6	0	5685	LU 17	5685	9541	76908	13536	13536	1	Si
246	0.117	14.05	0	4787	LU 17	4787	11707	76908	13536	13536	1	Si
271	0.072	15.21	0	3888	LU 17	3888	12021	76908	8336	12021	1	Si
297	0.072	15.21	0	2990	LU 17	2990	12021	76908	8336	12021	1	Si
318	0.072	15.21	0	2361	LU 17	2361	12021	76908	8336	12021	1	Si
336	0	15.21	0	2100	LU 17	2100	12021	76908	0	12021	1	Si
362	0	15.21	0	1835	LU 17	1835	12021	76908	0	12021	1	Si
362	0	15.21	0	-13	LU 2	-13	-12021	-76908	0	-12021	1	Si
388	0	15.21	0	1571	LU 17	1571	12021	76908	0	12021	1	Si
388	0	15.21	0	-216	LU 2	-216	-12021	-76908	0	-12021	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1006550	3	-872505	23.7	124.5	973	1837	-948316	2	-828563	22.5	93.4	0	+∞	Si
23	-746809	3	-746809	20.3	124.5	832.8	1837	-715755	2	-715755	19.4	93.4	0	+∞	Si
26	-709052	3	-746809	20.4	124.5	850	1837	-681893	2	-715755	19.6	93.4	0	+∞	Si
52	-442857	8	-745423	23.1	124.5	1012.1	1837	-435430	1	-714512	22.1	93.4	0	+∞	Si
78	-222994	8	-474244	11.2	124.5	167.7	1837	-217920	1	-465213	19.7	93.4	0	+∞	Si
90	-119762	8	-358671	8.4	124.5	126.7	1837	-115864	1	-352127	14.9	93.4	0	+∞	Si
116	147099	2	360245	8.5	124.5	127.3	1837	96524	2	295329	12.5	93.4	0	+∞	Si
142	338546	3	525413	11.8	124.5	185.6	1837	274911	2	451713	19.1	93.4	0	+∞	Si
168	506648	3	667053	23.6	124.5	923	1837	433734	2	588533	20.8	93.4	0	+∞	Si
194	651223	3	785167	25.7	124.5	886.6	1837	572994	2	705790	23.1	93.4	0	+∞	Si
220	772271	3	879755	28.8	124.5	993.4	1837	692691	2	803483	26.3	93.4	0	+∞	Si
246	869793	3	950816	31.2	124.5	1073.6	1837	792824	2	881612	28.9	93.4	0	+∞	Si
271	943788	3	998350	32.7	124.5	1127.3	1837	873394	2	940179	30.8	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
297	994256	3	1017075	33.3	124.5	1148.4	1837	934400	2	968435	31.8	93.4	0	+∞	Si
318	1017075	3	1017075	33.3	124.5	1148.4	1837	968435	2	968435	31.8	93.4	0	+∞	Si
336	1031498	9	1030867	33.8	124.5	1164	1837	992961	2	991581	32.5	93.4	0	+∞	Si
362	1054338	9	1048098	34.4	124.5	1183.4	1837	1022544	2	1012402	33.2	93.4	0	+∞	Si
388	1071918	9	1053842	34.6	124.5	1189.9	1837	1046866	2	1019342	33.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
388	inferiore	44.5	0.00035	0.0154	9	44.5	0.00034	0.015	2	44.5	0.00034	0.0149	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.004	2	0.003	2	9999	Si
26	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
52	0.006	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.011	2	0.01	2	9999	Si
78	0.01	0.008	0.009	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.019	2	0.018	2	9999	Si
90	0.013	0.01	0.011	0.009	0.011	0.01	0.01	0.009	0.011	0.01	0.024	2	0.022	2	9999	Si
116	0.017	0.014	0.015	0.012	0.016	0.014	0.014	0.012	0.015	0.014	0.033	2	0.031	2	9999	Si
142	0.022	0.018	0.019	0.016	0.02	0.018	0.017	0.016	0.019	0.018	0.042	2	0.039	2	9207	Si
168	0.025	0.021	0.022	0.019	0.023	0.021	0.02	0.019	0.022	0.021	0.05	2	0.047	2	7779	Si
194	0.028	0.023	0.025	0.021	0.026	0.023	0.023	0.021	0.025	0.023	0.056	2	0.053	2	6954	Si
220	0.029	0.025	0.026	0.022	0.027	0.025	0.024	0.022	0.026	0.025	0.059	2	0.056	2	6534	Si
246	0.029	0.025	0.026	0.023	0.027	0.025	0.025	0.023	0.026	0.025	0.06	2	0.057	2	6449	Si
271	0.028	0.024	0.025	0.022	0.026	0.024	0.024	0.022	0.025	0.024	0.058	2	0.055	2	6720	Si
297	0.024	0.021	0.022	0.02	0.023	0.021	0.021	0.02	0.022	0.021	0.052	2	0.05	2	7495	Si
318	0.02	0.018	0.019	0.017	0.019	0.018	0.018	0.017	0.019	0.018	0.044	2	0.043	2	8746	Si
336	0.016	0.014	0.015	0.014	0.015	0.014	0.014	0.014	0.015	0.014	0.036	2	0.034	2	9999	Si
362	0.008	0.007	0.009	0.008	0.008	0.007	0.008	0.008	0.007	0.007	0.02	2	0.019	2	9999	Si

Trave a "Piano Terra" 60B-36A

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 60B - 49B, sezione R 45x70, asta 692

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4						-404745	LU 17	-358606	-1873055	0.09	Si
23	15.21	5.4	11.4	5.4						-314292	LU 17	-314292	-1873055	0.09	Si
58	15.21	5.4	11.4	5.4						-178947	LU 17	-287131	-1873055	0.09	Si
117	11.83	5.4	11.4	5.4	29052	LU 11	110264	1422094	0.084	9006	LU 8	-78809	-1543376	0.085	Si
175	7.6	5.4	11.4	5.4	183306	LU 11	247157	1422093	0.084						Si
204	7.6	5.4	11.4	5.4	247369	LU 11	302540	1422093	0.084						Si
262	7.6	5.4	11.4	5.4	349369	LU 11	387179	1422093	0.084						Si
321	7.6	5.4	11.4	5.4	416532	LU 11	436982	1422093	0.084						Si
379	7.6	5.4	11.4	5.4	448860	LU 11	451950	1422093	0.084						Si
437	7.6	5.4	11.4	5.4	446351	LU 11	465010	1422093	0.084						Si
496	7.6	5.4	11.4	5.4	409009	LU 12	438883	1422093	0.084						Si
554	7.6	5.4	11.4	5.4	336852	LU 12	377151	1422093	0.084						Si
612	7.6	5.4	11.4	5.4	229859	LU 12	287518	1422093	0.084						Si
642	7.6	5.4	11.4	5.4	163484	LU 18	229638	1422093	0.084						Si
700	7.6	5.4	11.4	5.4	5657	LU 17	88435	1422093	0.084	2800	LU 2	-88422	-970824	0.078	Si
758	7.6	5.4	11.4	5.4						-190137	LU 11	-299888	-970824	0.078	Si
787	7.6	5.4	11.4	5.4						-300253	LU 11	-418685	-970824	0.078	Si
817	11.83	5.4	11.4	5.4						-419079	LU 11	-546191	-1472343	0.084	Si
852	15.21	5.4	11.4	5.4						-577755	LU 11	-577755	-1873055	0.09	Si
875	15.21	5.4	11.4	5.4						-682857	LU 11	-629394	-1873055	0.09	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	4169	LU 17	4169	12021	76908	0	12021	1	Si
23	0.068	15.18	0	3939	LU 17	3939	12013	76908	7874	12013	1	Si
58	0.068	11.83	0	3572	LU 17	3572	11239	76908	7874	11239	1	Si
117	0.068	11.4	0	2975	LU 17	2975	10922	76908	7874	10922	1	Si
175	0.068	11.4	0	2378	LU 17	2378	10922	76908	7874	10922	1	Si
204	0.068	11.4	0	2079	LU 17	2079	10922	76908	7874	10922	1	Si
262	0.068	11.4	0	1482	LU 17	1482	10922	76908	7874	10922	1	Si
321	0.068	11.4	0	885	LU 17	885	10922	76908	7874	10922	1	Si
379	0.068	11.4	0	288	LU 17	288	10922	76908	7874	10922	1	Si
437	0.068	11.4	0	-342	LU 11	-342	-10922	-76908	-7874	-10922	1	Si
496	0.068	11.4	0	-939	LU 11	-939	-10922	-76908	-7874	-10922	1	Si
554	0.068	11.4	0	-1536	LU 11	-1536	-10922	-76908	-7874	-10922	1	Si
612	0.068	11.4	0	-2133	LU 11	-2133	-10922	-76908	-7874	-10922	1	Si
642	0.068	11.4	0	-2432	LU 11	-2432	-10922	-76908	-7874	-10922	1	Si
700	0.068	11.4	0	-3029	LU 11	-3029	-10922	-76908	-7874	-10922	1	Si
758	0.068	7.6	0	-3626	LU 11	-3626	-9541	-76908	-7874	-9541	1	Si
817	0.068	7.6	0	-4223	LU 11	-4223	-9541	-76908	-7874	-9541	1	Si
852	0.068	7.6	0	-4590	LU 11	-4590	-9541	-76908	-7874	-9541	1	Si
875	0	11.83	0	-4821	LU 11	-4821	-11055	-76908	0	-11055	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-311204	8	-275716	8.6	124.5	310	1837	-310304	1	-274837	8.6	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
23	-241631	8	-241631	7.5	124.5	271.7	1837	-240773	1	-240773	7.5	93.4	0	+∞	Si
58	-137530	8	-220740	6.9	124.5	248.2	1837	-136738	1	-219895	6.8	93.4	0	+∞	Si
117	20706	2	83263	2.8	124.5	123.5	1837	13234	2	76189	2.6	93.4	0	+∞	Si
175	139538	2	188741	6.9	124.5	281	1837	132864	2	182466	6.6	93.4	0	+∞	Si
204	188905	2	231431	8.4	124.5	344.6	1837	182631	2	225555	8.2	93.4	0	+∞	Si
262	267542	2	296714	10.8	124.5	441.8	1837	262066	2	291636	10.6	93.4	0	+∞	Si
321	319381	2	335200	12.2	124.5	499.1	1837	314704	2	330920	12	93.4	0	+∞	Si
379	344424	2	346889	12.6	124.5	516.5	1837	340545	2	343407	12.5	93.4	0	+∞	Si
437	342670	2	346883	12.6	124.5	516.5	1837	339589	2	343404	12.5	93.4	0	+∞	Si
496	314121	3	331686	12	124.5	493.8	1837	311837	2	329006	11.9	93.4	0	+∞	Si
554	258788	3	289701	10.5	124.5	431.3	1837	257287	2	287810	10.4	93.4	0	+∞	Si
612	176659	3	220926	8	124.5	328.9	1837	175941	2	219818	8	93.4	0	+∞	Si
642	125669	9	176489	6.4	124.5	262.8	1837	125219	2	175773	6.4	93.4	0	+∞	Si
700	4291	8	67974	2.5	124.5	101.2	1837	3897	1	67634	2.5	93.4	0	+∞	Si
758	-145971	2	-230308	5.2	124.5	79.9	1837	-144661	2	-228600	9.2	93.4	0	+∞	Si
817	-321905	2	-419596	14.3	124.5	601.2	1837	-319796	2	-417089	14.2	93.4	0	+∞	Si
852	-443855	2	-443855	13.8	124.5	499.1	1837	-441256	2	-441256	13.7	93.4	0	+∞	Si
875	-524635	2	-483544	15.1	124.5	543.7	1837	-521728	2	-480791	15	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si
58	0.01	0.01	0.009	0.009	0.01	0.01	0.009	0.009	0.01	0.01	0.023	2	0.023	2	9999	Si
117	0.022	0.021	0.019	0.019	0.022	0.021	0.019	0.019	0.021	0.021	0.048	2	0.048	2	9999	Si
175	0.033	0.032	0.029	0.028	0.033	0.032	0.029	0.028	0.033	0.032	0.074	2	0.073	2	9999	Si
204	0.038	0.037	0.034	0.033	0.038	0.037	0.033	0.033	0.038	0.037	0.086	2	0.085	2	9999	Si
262	0.047	0.046	0.042	0.041	0.047	0.046	0.041	0.041	0.047	0.046	0.106	2	0.105	2	8265	Si
321	0.054	0.053	0.048	0.047	0.053	0.053	0.047	0.047	0.053	0.053	0.121	2	0.12	2	7254	Si
379	0.057	0.056	0.051	0.05	0.057	0.056	0.05	0.05	0.057	0.056	0.129	2	0.128	2	6800	Si
408	0.058	0.057	0.051	0.05	0.057	0.057	0.051	0.05	0.057	0.057	0.13	2	0.129	2	6731	Si
437	0.058	0.057	0.051	0.05	0.057	0.057	0.051	0.05	0.057	0.057	0.129	2	0.129	2	6759	Si
496	0.055	0.054	0.048	0.048	0.054	0.054	0.048	0.048	0.054	0.054	0.123	2	0.122	2	7114	Si
554	0.049	0.048	0.043	0.042	0.049	0.048	0.043	0.042	0.048	0.048	0.11	2	0.109	2	7962	Si
612	0.041	0.04	0.036	0.035	0.041	0.04	0.036	0.035	0.04	0.04	0.091	2	0.091	2	9583	Si
642	0.036	0.035	0.032	0.031	0.036	0.035	0.031	0.031	0.036	0.035	0.08	2	0.08	2	9999	Si
700	0.026	0.025	0.022	0.022	0.026	0.025	0.022	0.022	0.025	0.025	0.057	2	0.057	2	9999	Si
758	0.015	0.015	0.013	0.013	0.015	0.015	0.013	0.013	0.015	0.015	0.034	2	0.034	2	9999	Si
817	0.006	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.014	2	0.014	2	9999	Si
852	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si

Campata 2 tra i fili 49B - 36A, sezione R 45x70, asta 693

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	11.4	5.4						-796069	LU 12	-740016	-1873055	0.09	Si
23	15.21	5.4	11.4	5.4						-686544	LU 12	-686544	-1873055	0.09	Si
45	13.05	5.4	11.4	5.4						-580676	LU 12	-686544	-1617761	0.086	Si
68	10.92	5.4	11.4	5.4						-480869	LU 12	-609986	-1364198	0.083	Si
79	7.6	5.4	11.4	5.4	-312426	LU 1	1383	1422093	0.084	-432938	LU 12	-558682	-970824	0.078	Si
91	7.6	5.4	11.4	5.4	-278497	LU 1	16176	1422093	0.084	-386322	LU 12	-508693	-970824	0.078	Si
102	7.6	5.4	11.4	5.4	-245579	LU 1	28997	1422093	0.084	-341021	LU 12	-460019	-970824	0.078	Si
125	7.6	5.4	11.4	5.4	-182777	LU 1	48721	1422093	0.084	-254364	LU 12	-366616	-970824	0.078	Si
147	7.6	5.4	11.4	5.4	-124021	LU 1	60555	1422093	0.084	-172966	LU 12	-278473	-970824	0.078	Si
170	7.6	5.4	15.85	5.4	-69187	LU 8	64500	1949737	0.094	-96836	LU 11	-195590	-971302	0.079	Si
193	7.6	5.4	11.4	5.4	-18136	LU 8	60555	1422093	0.084	-26035	LU 11	-117966	-970824	0.078	Si
215	7.6	5.4	11.4	5.4	39667	LU 12	115962	1422093	0.084	27969	LU 1	-45665	-970824	0.078	Si
238	7.6	5.4	11.4	5.4	100026	LU 12	169575	1422093	0.084						Si
261	7.6	5.4	11.4	5.4	155124	LU 12	217928	1422093	0.084						Si
272	7.6	5.4	11.4	5.4	180701	LU 12	240132	1422093	0.084						Si
295	7.6	5.4	11.4	5.4	227910	LU 12	270138	1422093	0.084						Si
317	7.6	5.4	11.4	5.4	270138	LU 12	270138	1422093	0.084						Si
340	7.6	5.4	11.4	5.4	306548	LU 12	289634	1422093	0.084						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	10.92	0	4983	LU 12	4983	10764	76908	0	10764	1	Si
11	0	7.6	0	4867	LU 12	4867	9541	76908	0	9541	1	Si
23	0.158	7.6	0	4753	LU 12	4753	9541	76908	18340	18340	1	Si
45	0.158	7.6	0	4519	LU 12	4519	9541	76908	18340	18340	1	Si
68	0.158	7.6	0	4287	LU 12	4287	9541	76908	18340	18340	1	Si
91	0.158	7.6	0	4055	LU 12	4055	9541	76908	18340	18340	1	Si
102	0.149	7.6	0	3939	LU 12	3939	9541	76908	17318	17318	1	Si
125	0.149	7.6	0	3707	LU 12	3707	9541	76908	17318	17318	1	Si
147	0.149	7.6	0	3475	LU 12	3475	9541	76908	17318	17318	1	Si
170	0.149	7.6	0	3243	LU 12	3243	9541	76908	17318	17318	1	Si
193	0.149	7.6	0	3011	LU 12	3011	9541	76908	17318	17318	1	Si
215	0.149	11.4	0	2779	LU 12	2779	10922	76908	17318	17318	1	Si
238	0.149	11.4	0	2547	LU 12	2547	10922	76908	17318	17318	1	Si
261	0.144	11.4	0	2315	LU 12	2315	10922	76908	16673	16673	1	Si
272	0.144	11.4	0	2199	LU 12	2199	10922	76908	16673	16673	1	Si
295	0.144	11.4	0	1967	LU 12	1967	10922	76908	16673	16673	1	Si
317	0.144	11.4	0	1733	LU 12	1733	10922	76908	16673	16673	1	Si
340	0	11.4	0	1503	LU 12	1503	10922	76908	0	10922	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-607814	3	-564951	17.6	124.5	635.3	1837	-587009	2	-545315	17	93.4	0	+∞	Si
23	-524074	3	-524074	16.3	124.5	589.3	1837	-505608	2	-505608	15.7	93.4	0	+∞	Si
45	-443155	3	-524074	17.2	124.5	682.7	1837	-427062	2	-505608	16.6	93.4	0	+∞	Si
68	-366895	3	-465556	16.3	124.5	720.9	1837	-353158	2	-448797	15.7	93.4	0	+∞	Si
91	-294681	3	-388153	8.7	124.5	134.6	1837	-283300	2	-373750	15	93.4	0	+∞	Si
102	-260091	3	-350969	7.9	124.5	121.7	1837	-249888	2	-337744	13.6	93.4	0	+∞	Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
125	-193946	3	-279635	6.3	124.5	97	1837	-186099	2	-268766	10.8	93.4	0	+∞	Si
147	-131847	3	-212346	4.8	124.5	73.6	1837	-126355	2	-203833	8.2	93.4	0	+∞	Si
170	-73799	2	-149104	3.2	124.5	50.7	1837	-70658	2	-142947	5.4	93.4	0	+∞	Si
193	-19843	2	-89908	2	124.5	31.2	1837	-19007	2	-86107	3.5	93.4	0	+∞	Si
215	30174	3	88203	3.2	124.5	131.3	1837	28599	2	83606	3	93.4	0	+∞	Si
238	76089	3	128929	4.7	124.5	192	1837	72158	2	121976	4.4	93.4	0	+∞	Si
261	117958	3	165609	6	124.5	246.6	1837	111671	2	156301	5.7	93.4	0	+∞	Si
272	137376	3	182432	6.6	124.5	271.6	1837	129910	2	171945	6.2	93.4	0	+∞	Si
295	173176	3	205141	7.4	124.5	305.4	1837	163355	2	192947	7	93.4	0	+∞	Si
317	205141	3	205141	7.4	124.5	305.4	1837	192947	2	192947	7	93.4	0	+∞	Si
340	232638	3	219882	8	124.5	327.4	1837	218105	2	206519	7.5	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
45	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si
68	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si
91	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.011	1	-0.011	1	9999	Si
102	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.011	1	-0.011	1	9999	Si
125	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.01	1	9999	Si
147	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	1	-0.009	1	9999	Si
170	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.008	1	9999	Si
193	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.006	1	-0.006	1	9999	Si
215	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
238	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
261	0	0	-0.001	-0.001	0	0	-0.001	-0.001	0	0	-0.001	1	-0.001	1	9999	Si
272	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
295	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
317	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si

Trave a "Piano Terra" 64-(2361; 2073)

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 64 - 65, sezione R 45x70, asta 687

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4						-1603964	LU 12	-1390576	-971525	0.08	No
23	7.6	5.4	19.01	5.4						-1188158	LU 12	-1188158	-971525	0.08	No
26	7.6	5.4	19.01	5.4						-1127701	LU 12	-1188158	-971525	0.08	No
52	7.6	5.4	19.01	5.4						-682310	LU 12	-1186405	-971525	0.08	No
77	7.6	5.4	19.01	5.4	-200063	LU 2	161019	2323876	0.102	-296795	LU 17	-737146	-971525	0.08	Si
90	7.6	5.4	19.01	5.4	-42565	LU 2	339330	2323876	0.102	-130797	LU 17	-528577	-971525	0.08	Si
116	7.6	5.4	19.01	5.4	296098	LU 12	672799	2323876	0.102	136991	LU 1	-172393	-971525	0.08	Si
142	7.6	5.4	19.01	5.4	633435	LU 12	975394	2323876	0.102						Si
168	7.6	5.4	19.01	5.4	939898	LU 12	1247117	2323876	0.102						Si
194	7.6	5.4	19.01	5.4	1215490	LU 12	1487968	2323876	0.102						Si
220	7.6	5.4	19.01	5.4	1460208	LU 12	1697946	2323876	0.102						Si
245	7.6	5.4	31.89	5.8	1674054	LU 12	1877051	3783572	0.178						Si
271	7.6	5.4	34.21	5.8	1857027	LU 12	2025283	4033974	0.196						Si
284	7.6	5.4	34.21	5.8	1936936	LU 12	2087969	4033974	0.196						Si
317	7.6	5.4	34.21	5.8	2106895	LU 12	2106895	4033974	0.196						Si
336	7.6	5.4	34.21	5.8	2185635	LU 12	2178033	4033974	0.196						Si
362	7.6	5.4	34.21	5.8	2289900	LU 12	2241885	4033974	0.196						Si
387	7.6	5.4	34.21	5.8	2387333	LU 12	2263169	4033974	0.196						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	19027	LU 12	19027	9541	76908	0	9541	1	Si
23	0.259	7.6	0	17993	LU 12	17993	9541	76908	30011	30011	1	Si
26	0.259	7.6	0	17838	LU 12	17838	9541	76908	30011	30011	1	Si
52	0.259	7.6	0	16643	LU 12	16643	9541	76908	30011	30011	1	Si
77	0.259	7.6	0	15448	LU 12	15448	9541	76908	30011	30011	1	Si
90	0.259	7.6	0	14851	LU 12	14851	9541	76908	30011	30011	1	Si
116	0.221	19.01	0	13656	LU 12	13656	12949	76908	25601	25601	1	Si
142	0.221	19.01	0	12461	LU 12	12461	12949	76908	25601	25601	1	Si
168	0.221	19.01	0	11266	LU 12	11266	12949	76908	25601	25601	1	Si
194	0.221	19.01	0	10071	LU 12	10071	12949	76908	25601	25601	1	Si
220	0.221	19.01	0	8885	LU 18	8885	12949	76908	25601	25601	1	Si
245	0.221	19.01	0	7786	LU 18	7786	12910	76427	25441	25441	1	Si
271	0.172	19.01	0	6686	LU 18	6686	12906	76379	19870	19870	1	Si
284	0.172	19.01	0	6136	LU 18	6136	12906	76379	19870	19870	1	Si
317	0.172	34.21	0	5004	LU 17	5004	15699	76379	19870	19870	1	Si
336	0	34.21	0	4744	LU 17	4744	15699	76379	0	15699	1	Si
362	0	34.21	0	4480	LU 17	4480	15699	76379	0	15699	1	Si
387	0	34.21	0	4215	LU 17	4215	15699	76379	0	15699	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1210492	3	-1050583	38.4	124.5	2307.1	1837	-1103039	2	-962561	35.2	93.4	0	+∞	No
23	-898812	3	-898812	18.5	124.5	301.5	1837	-828857	2	-828857	30.3	93.4	0	+∞	Si
26	-853486	3	-898812	18.5	124.5	301.5	1837	-788944	2	-828857	30.3	93.4	0	+∞	Si
52	-519383	3	-897498	18.5	124.5	301.1	1837	-493916	2	-827700	30.3	93.4	0	+∞	Si
77	-227521	8	-560525	11.6	124.5	188	1837	-222429	1	-530283	19.4	93.4	0	+∞	Si
90	-100300	8	-403617	8.3	124.5	135.4	1837	-98267	1	-388725	14.2	93.4	0	+∞	Si
116	215664	3	499263	15.2	124.5	455.3	1837	160233	2	415335	12.6	93.4	0	+∞	Si
142	469600	3	727424	22.1	124.5	663.4	1837	388524	2	622169	18.9	93.4	0	+∞	Si
168	700631	3	932680	28.4	124.5	850.6	1837	597747	2	809936	24.6	93.4	0	+∞	Si
194	908756	3	1115032	33.9	124.5	1017	1837	787903	2	978635	29.8	93.4	0	+∞	Si
220	1093977	3	1274478	38.8	124.5	1161.8	1837	958991	2	1128267	34.3	93.4	0	+∞	Si
245	1256294	3	1411020	36.9	124.5	800.2	1837	1111012	2	1258831	32.9	93.4	0	+∞	Si
271	1395705	3	1524656	39.1	124.5	810.6	1837	1243965	2	1370327	35.1	93.4	0	+∞	Si
284	1456821	3	1572993	40.3	124.5	836.3	1837	1303291	2	1419009	36.4	93.4	0	+∞	Si
317	1587637	3	1587637	40.7	124.5	844.1	1837	1433982	2	1433982	36.8	93.4	0	+∞	Si
336	1648608	3	1642659	42.1	124.5	873.4	1837	1496513	2	1490137	38.2	93.4	0	+∞	Si
362	1729397	3	1692045	43.4	124.5	899.6	1837	1579590	2	1540541	39.5	93.4	0	+∞	Si
387	1804930	3	1708507	43.8	124.5	908.4	1837	1657411	2	1557342	39.9	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	74.4	0.00067	0.05	3	74.4	0.00063	0.0472	2	74.4	0.00062	0.0458	2	No
194	inferiore	38.5	0.0003	0.0114	3	38.5	0.00027	0.0104	2	38.5	0.00026	0.01	2	Si
220	inferiore	38.5	0.00034	0.013	3	38.5	0.00031	0.012	2	38.5	0.0003	0.0115	2	Si
245	inferiore	29.9	0.00023	0.007	3	29.9	0.00021	0.0064	2	29.9	0.00021	0.0062	2	Si
271	inferiore	28.7	0.00024	0.0068	3	28.7	0.00022	0.0063	2	28.7	0.00021	0.0061	2	Si
284	inferiore	28.7	0.00024	0.007	3	28.7	0.00023	0.0065	2	28.7	0.00022	0.0063	2	Si
317	inferiore	28.7	0.00025	0.0071	3	28.7	0.00023	0.0067	2	28.7	0.00022	0.0064	2	Si
336	inferiore	28.7	0.00025	0.0073	3	28.7	0.00025	0.0071	2	28.7	0.00024	0.0068	2	Si
362	inferiore	28.7	0.00026	0.0075	3	28.7	0.00026	0.0074	2	28.7	0.00025	0.0071	2	Si
387	inferiore	28.7	0.00026	0.0076	3	28.7	0.00026	0.0076	2	28.7	0.00025	0.0073	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.005	2	9999	Si
26	0.004	0.003	0.004	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
52	0.009	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.016	2	0.015	2	9999	Si
77	0.015	0.012	0.014	0.01	0.014	0.012	0.012	0.01	0.013	0.012	0.028	2	0.025	2	9999	Si
90	0.019	0.015	0.017	0.013	0.017	0.015	0.015	0.013	0.016	0.015	0.034	2	0.031	2	9999	Si
116	0.025	0.02	0.023	0.018	0.023	0.02	0.02	0.018	0.022	0.02	0.047	2	0.043	2	8311	Si
142	0.031	0.025	0.029	0.022	0.028	0.025	0.025	0.022	0.027	0.025	0.059	2	0.054	2	6617	Si
168	0.037	0.03	0.034	0.026	0.033	0.03	0.03	0.026	0.032	0.03	0.069	2	0.064	2	5616	Si
194	0.04	0.033	0.038	0.029	0.037	0.033	0.033	0.029	0.035	0.033	0.077	2	0.071	2	5026	Si
220	0.043	0.035	0.041	0.031	0.039	0.035	0.035	0.031	0.037	0.035	0.082	2	0.076	2	4719	Si
245	0.043	0.035	0.041	0.032	0.039	0.035	0.036	0.032	0.038	0.035	0.083	2	0.077	2	4641	Si
271	0.041	0.034	0.04	0.031	0.037	0.034	0.035	0.031	0.036	0.034	0.081	2	0.075	2	4788	Si
284	0.039	0.032	0.039	0.03	0.035	0.032	0.034	0.03	0.034	0.032	0.078	2	0.072	2	4968	Si
317	0.03	0.025	0.032	0.024	0.028	0.025	0.028	0.024	0.027	0.025	0.064	2	0.06	2	6049	Si
336	0.024	0.02	0.026	0.02	0.022	0.02	0.023	0.02	0.021	0.02	0.052	2	0.048	2	7442	Si
362	0.012	0.01	0.015	0.011	0.011	0.01	0.013	0.011	0.011	0.01	0.03	2	0.028	2	9999	Si

Trave a "Piano Terra" 67-(2361; 1803)

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 67 - 68, sezione R 45x70, asta 686

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4						-1762200	LU 12	-1532066	-971525	0.08	No
23	7.6	5.4	19.01	5.4						-1313399	LU 12	-1313399	-971525	0.08	No
26	7.6	5.4	19.01	5.4						-1248105	LU 12	-1313399	-971525	0.08	No
52	7.6	5.4	19.01	5.4						-766278	LU 12	-1311505	-971525	0.08	No
77	7.6	5.4	19.01	5.4	-240901	LU 2	149822	2323876	0.102	-331981	LU 17	-825635	-971525	0.08	Si
90	7.6	5.4	19.01	5.4	-69143	LU 3	344345	2323876	0.102	-152330	LU 15	-594801	-971525	0.08	Si
116	7.6	5.4	19.01	5.4	297116	LU 12	709190	2323876	0.102	139884	LU 1	-197235	-971525	0.08	Si
142	7.6	5.4	19.01	5.4	666004	LU 12	1041766	2323876	0.102						Si
168	7.6	5.4	19.01	5.4	1002623	LU 12	1342074	2323876	0.102						Si
194	7.6	5.4	19.01	5.4	1306974	LU 12	1610114	2323876	0.102						Si
220	7.6	5.4	28.41	5.7	1579057	LU 12	1845886	3400867	0.153						Si
245	7.6	5.4	34.21	5.8	1818872	LU 12	2049389	4033974	0.196						Si
271	7.6	5.4	34.21	5.8	2026418	LU 12	2220624	4033974	0.196						Si
284	7.6	5.4	34.21	5.8	2118090	LU 12	2294292	4033974	0.196						Si
317	7.6	5.4	34.21	5.8	2316760	LU 12	2316760	4033974	0.196						Si
336	7.6	5.4	34.21	5.8	2410657	LU 12	2401164	4033974	0.196						Si
362	7.6	5.4	34.21	5.8	2536234	LU 12	2476923	4033974	0.196						Si
387	7.6	5.4	34.21	5.8	2654979	LU 12	2502176	4033974	0.196						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	20521	LU 12	20521	9541	76908	0	9541	1	Si
23	0.259	7.6	0	19437	LU 12	19437	9541	76908	30011	30011	1	Si
26	0.259	7.6	0	19276	LU 12	19276	9541	76908	30011	30011	1	Si
52	0.259	7.6	0	18027	LU 12	18027	9541	76908	30011	30011	1	Si
77	0.259	7.6	0	16778	LU 12	16778	9541	76908	30011	30011	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
90	0.259	7.6	0	16153	LU 12	16153	9541	76908	30011	30011	1	Si
116	0.221	19.01	0	14904	LU 12	14904	12949	76908	25601	25601	1	Si
142	0.221	19.01	0	13655	LU 12	13655	12949	76908	25601	25601	1	Si
168	0.221	19.01	0	12406	LU 12	12406	12949	76908	25601	25601	1	Si
194	0.221	19.01	0	11157	LU 12	11157	12949	76908	25601	25601	1	Si
220	0.221	19.01	0	9908	LU 12	9908	12917	76514	25470	25470	1	Si
245	0.221	19.01	0	8741	LU 18	8741	12906	76379	25425	25425	1	Si
271	0.172	19.01	0	7593	LU 18	7593	12906	76379	19870	19870	1	Si
284	0.172	28.41	0	7018	LU 18	7018	14756	76379	19870	19870	1	Si
317	0.172	34.21	0	5777	LU 17	5777	15699	76379	19870	19870	1	Si
336	0	34.21	0	5512	LU 17	5512	15699	76379	0	15699	1	Si
362	0	34.21	0	5247	LU 17	5247	15699	76379	0	15699	1	Si
387	0	34.21	0	4983	LU 17	4983	15699	76379	0	15699	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1328933	3	-1156476	42.3	124.5	2539.6	1837	-1206577	2	-1055085	38.6	93.4	0	+∞	No
23	-992523	3	-992523	20.5	124.5	333	1837	-910659	2	-910659	33.3	93.4	0	+∞	Si
26	-943571	3	-992523	20.5	124.5	333	1837	-867556	2	-910659	33.3	93.4	0	+∞	Si
52	-582142	3	-991104	20.4	124.5	332.5	1837	-548420	2	-909409	33.3	93.4	0	+∞	Si
77	-254819	8	-626676	12.9	124.5	210.2	1837	-251237	1	-587782	21.5	93.4	0	+∞	Si
90	-117063	6	-453436	9.3	124.5	152.1	1837	-116326	1	-434425	15.9	93.4	0	+∞	Si
116	216728	3	526935	16	124.5	480.6	1837	162420	2	441352	13.4	93.4	0	+∞	Si
142	494395	3	777670	23.6	124.5	709.3	1837	411956	2	668510	20.3	93.4	0	+∞	Si
168	748129	3	1004473	30.5	124.5	916.1	1837	641606	2	875784	26.6	93.4	0	+∞	Si
194	977930	3	1207344	36.7	124.5	1101.1	1837	851371	2	1063171	32.3	93.4	0	+∞	Si
220	1183799	3	1386282	37.4	124.5	874.2	1837	1041250	2	1230673	33.2	93.4	0	+∞	Si
245	1365736	3	1541288	39.5	124.5	819.5	1837	1211243	2	1378289	35.3	93.4	0	+∞	Si
271	1523740	3	1672361	42.9	124.5	889.2	1837	1361350	2	1506019	38.6	93.4	0	+∞	Si
284	1593768	3	1729034	44.3	124.5	919.3	1837	1428947	2	1562514	40	93.4	0	+∞	Si
317	1746369	3	1746369	44.8	124.5	928.5	1837	1580017	2	1580017	40.5	93.4	0	+∞	Si
336	1818855	3	1811466	46.4	124.5	963.1	1837	1653385	2	1645645	42.2	93.4	0	+∞	Si
362	1915835	3	1869896	47.9	124.5	994.2	1837	1751706	2	1704551	43.7	93.4	0	+∞	Si
387	2007561	3	1889373	48.4	124.5	1004.5	1837	1844771	2	1724186	44.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	74.4	0.00074	0.055	3	74.4	0.00074	0.0548	2	74.4	0.00071	0.0526	2	No
194	inferiore	38.5	0.00032	0.0124	3	38.5	0.00029	0.0113	2	38.5	0.00028	0.0109	2	Si
220	inferiore	31.6	0.00025	0.008	3	31.6	0.00023	0.0074	2	31.6	0.00023	0.0071	2	Si
245	inferiore	28.7	0.00024	0.0068	3	28.7	0.00022	0.0063	2	28.7	0.00021	0.0061	2	Si
271	inferiore	28.7	0.00026	0.0074	3	28.7	0.00025	0.0072	2	28.7	0.00024	0.0069	2	Si
284	inferiore	28.7	0.00027	0.0077	3	28.7	0.00027	0.0076	2	28.7	0.00025	0.0073	2	Si
317	inferiore	28.7	0.00027	0.0078	3	28.7	0.00027	0.0078	2	28.7	0.00026	0.0074	2	Si
336	inferiore	28.7	0.00028	0.008	3	28.7	0.00029	0.0082	2	28.7	0.00028	0.0079	2	Si
362	inferiore	28.7	0.00029	0.0083	3	28.7	0.0003	0.0087	2	28.7	0.00029	0.0084	2	Si
387	inferiore	28.7	0.00029	0.0084	3	28.7	0.00031	0.0088	2	28.7	0.0003	0.0085	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
23	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
26	0.004	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.006	2	9999	Si
52	0.01	0.007	0.01	0.007	0.008	0.007	0.008	0.007	0.008	0.007	0.018	2	0.016	2	9999	Si
77	0.016	0.013	0.016	0.012	0.015	0.013	0.014	0.012	0.014	0.013	0.03	2	0.028	2	9999	Si
90	0.02	0.016	0.019	0.014	0.018	0.016	0.017	0.014	0.017	0.016	0.037	2	0.035	2	9999	Si
116	0.027	0.022	0.026	0.02	0.024	0.022	0.023	0.02	0.023	0.022	0.051	2	0.048	2	7538	Si
142	0.034	0.027	0.033	0.025	0.03	0.027	0.029	0.025	0.029	0.027	0.065	2	0.06	2	5981	Si
168	0.039	0.032	0.039	0.029	0.036	0.032	0.034	0.029	0.034	0.032	0.077	2	0.071	2	5061	Si
194	0.044	0.036	0.043	0.033	0.04	0.036	0.038	0.033	0.038	0.036	0.086	2	0.08	2	4514	Si
220	0.046	0.038	0.046	0.035	0.042	0.038	0.04	0.035	0.04	0.038	0.092	2	0.085	2	4220	Si
245	0.046	0.039	0.048	0.036	0.042	0.039	0.041	0.036	0.041	0.039	0.094	2	0.087	2	4124	Si
271	0.044	0.037	0.046	0.035	0.04	0.037	0.04	0.035	0.039	0.037	0.092	2	0.085	2	4229	Si
284	0.042	0.035	0.045	0.034	0.038	0.035	0.039	0.034	0.037	0.035	0.088	2	0.082	2	4386	Si
317	0.033	0.028	0.037	0.028	0.03	0.028	0.032	0.028	0.029	0.028	0.073	2	0.068	2	5340	Si
336	0.026	0.022	0.03	0.023	0.024	0.022	0.026	0.023	0.023	0.022	0.059	2	0.055	2	6568	Si
362	0.013	0.011	0.017	0.013	0.012	0.011	0.015	0.013	0.012	0.011	0.033	2	0.031	2	9999	Si

Trave a "Piano Terra" 70-25D

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 70 - 67, sezione R 45x70, asta 697

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	19.01	5.4						-347155	LU 11	-322354	-2772814	0.097	Si
20	22.81	5.4	19.01	5.4						-303959	LU 11	-303847	-2772814	0.097	Si
23	22.81	5.4	19.01	5.4						-300060	LU 11	-300060	-2772814	0.097	Si
41	22.81	5.4	18.54	5.4						-265066	LU 11	-300060	-2772907	0.097	Si
61	22.81	5.4	17.16	5.4						-230474	LU 11	-280875	-2773061	0.098	Si
82	22.81	5.4	15.21	5.4	-130480	LU 4	12444	1872416	0.087	-200185	LU 11	-244485	-2773116	0.1	Si
92	22.81	5.4	15.21	5.4	-121037	LU 4	22931	1872416	0.087	-186654	LU 11	-227904	-2773116	0.1	Si
113	22.81	5.4	15.21	5.4	-104398	LU 8	39064	1872416	0.087	-162818	LU 11	-197967	-2773116	0.1	Si
133	22.81	5.4	15.21	5.4	-90918	LU 8	48745	1872416	0.087	-143285	LU 11	-172333	-2773116	0.1	Si
154	22.81	5.4	15.21	5.4	-80748	LU 8	51971	1872416	0.087	-128054	LU 11	-151001	-2773116	0.1	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
174	22.81	5.4	15.21	5.4	-73887	LU 8	48745	1872416	0.087	-117125	LU 11	-133971	-2773116	0.1	Si
195	22.81	5.4	15.21	5.4	-70335	LU 8	39064	1872416	0.087	-110498	LU 11	-121244	-2773116	0.1	Si
215	22.81	5.4	15.21	5.4	-70093	LU 8	22931	1872416	0.087	-108174	LU 11	-112819	-2773116	0.1	Si
236	22.81	5.4	15.21	5.4	-73161	LU 8	344	1872416	0.087	-110153	LU 11	-120408	-2773116	0.1	Si
246	22.81	5.4	17.16	5.4						-112755	LU 11	-126060	-2773061	0.098	Si
266	22.81	5.4	18.54	5.4						-121187	LU 11	-132573	-2772907	0.097	Si
285	22.81	5.4	19.01	5.4						-132573	LU 11	-132573	-2772814	0.097	Si
287	22.81	5.4	19.01	5.4						-133921	LU 11	-133921	-2772814	0.097	Si
307	22.81	5.4	19.01	5.4						-152249	LU 10	-140512	-2772814	0.097	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	2217	LU 12	2217	13760	76908	0	13760	1	Si
20	0	22.81	0	2007	LU 12	2007	13760	76908	0	13760	1	Si
23	0.172	22.81	0	1987	LU 12	1987	13760	76908	20007	20007	1	Si
41	0.172	22.81	0	1797	LU 12	1797	13760	76908	20007	20007	1	Si
61	0.172	22.81	0	1588	LU 12	1588	13760	76908	20007	20007	1	Si
82	0.172	22.81	0	1378	LU 12	1378	13760	76908	20007	20007	1	Si
92	0.172	22.81	0	1273	LU 12	1273	13760	76908	20007	20007	1	Si
113	0.156	22.81	0	1063	LU 12	1063	13760	76908	18102	18102	1	Si
133	0.156	22.81	0	853	LU 12	853	13760	76908	18102	18102	1	Si
154	0.156	22.81	0	643	LU 12	643	13760	76908	18102	18102	1	Si
174	0.156	22.81	0	433	LU 12	433	13760	76908	18102	18102	1	Si
195	0.156	22.81	0	223	LU 12	223	13760	76908	18102	18102	1	Si
215	0.158	22.81	0	43	LU 3	43	13760	76908	18340	18340	1	Si
215	0.158	22.81	0	-127	LU 10	-127	-13760	-76908	-18340	-18340	1	Si
236	0.158	22.81	0	-337	LU 10	-337	-13760	-76908	-18340	-18340	1	Si
246	0.158	22.81	0	-442	LU 10	-442	-13760	-76908	-18340	-18340	1	Si
266	0.158	22.81	0	-652	LU 10	-652	-13760	-76908	-18340	-18340	1	Si
285	0.158	22.81	0	-841	LU 10	-841	-13760	-76908	-18340	-18340	1	Si
287	0	22.81	0	-862	LU 10	-862	-13760	-76908	0	-13760	1	Si
307	0	22.81	0	-1072	LU 10	-1072	-13760	-76908	0	-13760	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-262895	2	-243974	6.1	124.5	184.4	1837	-244025	2	-225817	5.6	93.4	0	+∞	Si
20	-229953	2	-229868	5.7	124.5	173.7	1837	-212381	2	-212302	5.3	93.4	0	+∞	Si
23	-226981	2	-226981	5.6	124.5	171.5	1837	-209536	2	-209536	5.2	93.4	0	+∞	Si
41	-200320	2	-226981	5.7	124.5	171.6	1837	-184046	2	-209536	5.2	93.4	0	+∞	Si
61	-173997	2	-212362	5.4	124.5	160.8	1837	-159021	2	-195546	5	93.4	0	+∞	Si
82	-150983	2	-184655	4.8	124.5	140.1	1837	-137305	2	-169137	4.4	93.4	0	+∞	Si
92	-140717	2	-172043	4.5	124.5	130.5	1837	-127689	2	-157174	4.1	93.4	0	+∞	Si
113	-122667	2	-149300	3.9	124.5	113.3	1837	-110937	2	-135729	3.5	93.4	0	+∞	Si
133	-107926	2	-129867	3.4	124.5	98.5	1837	-97495	2	-117594	3.1	93.4	0	+∞	Si
154	-96496	2	-113743	3	124.5	86.3	1837	-87362	2	-102768	2.7	93.4	0	+∞	Si
174	-88374	2	-100928	2.6	124.5	76.6	1837	-80539	2	-91252	1.8	93.4	0	+∞	Si
195	-83562	2	-91423	1.8	124.5	69.4	1837	-77025	2	-83045	2.2	93.4	0	+∞	Si
215	-82060	2	-85660	2.2	124.5	65	1837	-76821	2	-82262	2.1	93.4	0	+∞	Si
236	-83867	2	-92160	1.8	124.5	69.9	1837	-79926	2	-90060	2.3	93.4	0	+∞	Si
246	-86011	2	-96651	2.5	124.5	73.2	1837	-82720	2	-95200	1.8	93.4	0	+∞	Si
266	-92782	2	-101799	2.5	124.5	77	1837	-90789	2	-100977	2.5	93.4	0	+∞	Si
285	-101799	2	-101799	2.5	124.5	76.9	1837	-100977	2	-100977	2.5	93.4	0	+∞	Si
287	-102863	2	-102863	2.6	124.5	77.7	1837	-102168	2	-102162	2.5	93.4	0	+∞	Si
307	-117115	1	-108062	2.7	124.5	81.7	1837	-117115	1	-107953	2.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
41	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
61	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
82	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
92	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
113	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
133	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
154	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
174	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
195	-0.002	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
215	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
236	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
246	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
266	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
285	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
287	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si

Campata 3 tra i fili 67 - 64, sezione R 45x70, asta 698

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	19.01	5.4						-218974	LU 11	-203924	-2772814	0.097	Si
18	22.81	5.4	19.01	5.4						-196387	LU 11	-195884	-2772814	0.097	Si
23	22.81	5.4	19.01	5.4						-191362	LU 11	-191362	-2772814	0.097	Si
36	22.81	5.4	18.88	5.4						-177116	LU 11	-191362	-2772830	0.097	Si
54	22.81	5.4	17.67	5.4						-161162	LU 11	-188648	-2772953	0.098	Si
72	22.81	5.4	15.21	5.4	-83122	LU 8	8720	1872416	0.087	-148525	LU 11	-170654	-2773116	0.1	Si
81	22.81	5.4	15.21	5.4	-79608	LU 8	16805	1872416	0.087	-143451	LU 11	-162901	-2773116	0.1	Si
99	22.81	5.4	15.21	5.4	-74492	LU 8	29244	1872416	0.087	-135789	LU 11	-149883	-2773116	0.1	Si
117	22.81	5.4	15.21	5.4	-71928	LU 8	36707	1872416	0.087	-131445	LU 11	-140182	-2773116	0.1	Si
135	22.81	5.4	15.21	5.4	-71916	LU 8	39194	1872416	0.087	-130417	LU 11	-135836	-2773116	0.1	Si
153	22.81	5.4	15.21	5.4	-74455	LU 8	36707	1872416	0.087	-132707	LU 11	-143482	-2773116	0.1	Si
171	22.81	5.4	15.21	5.4	-79546	LU 8	29244	1872416	0.087	-138313	LU 11	-154445	-2773116	0.1	Si
189	22.81	5.4	15.21	5.4	-87188	LU 8	16805	1872416	0.087	-147237	LU 11	-168725	-2773116	0.1	Si
207	22.81	5.4	15.21	5.4						-159477	LU 11	-186322	-2773116	0.1	Si
216	22.81	5.4	15.21	5.4						-166841	LU 11	-196365	-2773116	0.1	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
234	22.81	5.4	15.21	5.4						-184057	LU 11	-199249	-2773116	0.1	Si
247	22.81	5.4	15.21	5.4						-199249	LU 11	-199249	-2773116	0.1	Si
252	22.81	5.4	15.21	5.4						-204589	LU 11	-204055	-2773116	0.1	Si
270	22.81	5.4	15.21	5.4						-228439	LU 11	-212600	-2773116	0.1	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	1347	LU 11	1347	13760	76908	0	13760	1	Si
18	0	22.81	0	1163	LU 11	1163	13760	76908	0	13760	1	Si
23	0.187	22.81	0	1117	LU 11	1117	13760	76908	21675	21675	1	Si
36	0.187	22.81	0	978	LU 11	978	13760	76908	21675	21675	1	Si
54	0.187	22.81	0	794	LU 11	794	13760	76908	21675	21675	1	Si
72	0.187	22.81	0	610	LU 11	610	13760	76908	21675	21675	1	Si
81	0.187	22.81	0	518	LU 11	518	13760	76908	21675	21675	1	Si
99	0.189	22.81	0	333	LU 11	333	13760	76908	21969	21969	1	Si
117	0.189	22.81	0	149	LU 11	149	13760	76908	21969	21969	1	Si
135	0.189	22.81	0	-86	LU 17	-86	-13760	-76908	-21969	-21969	1	Si
153	0.189	22.81	0	-271	LU 17	-271	-13760	-76908	-21969	-21969	1	Si
171	0.189	22.81	0	-455	LU 17	-455	-13760	-76908	-21969	-21969	1	Si
189	0.187	22.81	0	-639	LU 17	-639	-13760	-76908	-21675	-21675	1	Si
207	0.187	22.81	0	-823	LU 17	-823	-13760	-76908	-21675	-21675	1	Si
216	0.187	22.81	0	-916	LU 17	-916	-13760	-76908	-21675	-21675	1	Si
234	0.187	22.81	0	-1100	LU 17	-1100	-13760	-76908	-21675	-21675	1	Si
247	0.187	22.81	0	-1238	LU 17	-1238	-13760	-76908	-21675	-21675	1	Si
252	0	22.81	0	-1284	LU 17	-1284	-13760	-76908	0	-13760	1	Si
270	0	22.81	0	-1468	LU 17	-1468	-13760	-76908	0	-13760	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-164561	2	-153024	3.8	124.5	115.7	1837	-146902	2	-135547	3.4	93.4	0	+∞	Si
18	-147250	2	-146865	3.7	124.5	111	1837	-129883	2	-129505	3.2	93.4	0	+∞	Si
23	-143400	2	-143400	3.6	124.5	108.4	1837	-126106	2	-126106	3.1	93.4	0	+∞	Si
36	-132490	2	-143400	3.6	124.5	108.4	1837	-115415	2	-126106	3.1	93.4	0	+∞	Si
54	-120282	2	-141322	3.6	124.5	106.9	1837	-103498	2	-124067	3.1	93.4	0	+∞	Si
72	-110626	2	-127545	3.3	124.5	96.8	1837	-94134	2	-110581	2.9	93.4	0	+∞	Si
81	-106754	2	-121613	3.2	124.5	92.3	1837	-90408	2	-104795	2.7	93.4	0	+∞	Si
99	-100925	2	-111663	2.9	124.5	84.7	1837	-84870	2	-95137	2.5	93.4	0	+∞	Si
117	-97647	2	-104264	2.7	124.5	79.1	1837	-81884	2	-88030	2.3	93.4	0	+∞	Si
135	-96921	2	-101192	2.6	124.5	76.8	1837	-81450	2	-86192	2.2	93.4	0	+∞	Si
153	-98746	2	-107138	2.8	124.5	81.3	1837	-83567	2	-92430	1.8	93.4	0	+∞	Si
171	-103123	2	-115635	3	124.5	87.7	1837	-88235	2	-101219	2.6	93.4	0	+∞	Si
189	-110051	2	-126684	3.3	124.5	96.1	1837	-95455	2	-112560	2.9	93.4	0	+∞	Si
207	-119531	2	-140285	3.6	124.5	106.4	1837	-105227	2	-126452	3.3	93.4	0	+∞	Si
216	-125227	2	-148042	3.9	124.5	112.3	1837	-111069	2	-134355	3.5	93.4	0	+∞	Si
234	-138534	2	-150269	3.9	124.5	114	1837	-124668	2	-136621	3.6	93.4	0	+∞	Si
247	-150269	2	-150269	3.9	124.5	114	1837	-136621	2	-136621	3.6	93.4	0	+∞	Si
252	-154393	2	-153980	4	124.5	116.8	1837	-140818	2	-140398	3.7	93.4	0	+∞	Si
270	-172803	2	-160579	4.2	124.5	121.8	1837	-159520	2	-147113	3.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	-0.001	-0.001	0	-0.001	-0.001	-0.001	0	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
36	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
54	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
72	-0.001	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
81	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
99	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
117	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
135	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
153	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
171	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
189	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
207	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	1	-0.003	1	9999	Si
216	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
234	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
247	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
252	-0.001	-0.001	0	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si

Campata 4 tra i fili 64 - 61, sezione R 45x70, asta 699

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	22.81	5.4	15.21	5.4						-619015	LU 11	-586969	-2773116	0.1	Si
18	22.81	5.4	15.21	5.4						-567906	LU 11	-566995	-2773116	0.1	Si
23	22.81	5.4	15.21	5.4						-557407	LU 11	-557407	-2773116	0.1	Si
37	22.81	5.4	15.21	5.4						-520300	LU 11	-557407	-2773116	0.1	Si
55	22.81	5.4	15.21	5.4						-476195	LU 11	-547147	-2773116	0.1	Si
74	22.81	5.4	15.21	5.4	-254910	LU 4	9407	1872416	0.087	-435592	LU 11	-501039	-2773116	0.1	Si
83	22.81	5.4	15.21	5.4	-243748	LU 1	17943	1872416	0.087	-416676	LU 12	-479299	-2773116	0.1	Si
102	22.81	5.4	15.21	5.4	-223049	LU 1	31075	1872416	0.087	-381667	LU 12	-438444	-2773116	0.1	Si
120	22.81	5.4	15.21	5.4	-205045	LU 1	38954	1872416	0.087	-350160	LU 12	-401310	-2773116	0.1	Si
139	22.81	5.4	15.21	5.4	-189733	LU 1	41580	1872416	0.087	-322154	LU 12	-367801	-2773116	0.1	Si
157	22.81	5.4	15.21	5.4	-177116	LU 1	38954	1872416	0.087	-297650	LU 12	-337793	-2773116	0.1	Si
176	22.81	5.4	15.21	5.4	-167192	LU 1	31075	1872416	0.087	-276648	LU 12	-311287	-2773116	0.1	Si
194	22.81	5.4	15.21	5.4	-159962	LU 1	17943	1872416	0.087	-259148	LU 12	-288283	-2773116	0.1	Si
213	26.43	5.4	16.95	5.4						-245150	LU 12	-268780	-3201400	0.104	Si
222	27.3	5.4	17.57	5.4						-239464	LU 12	-260342	-3304354	0.105	Si
240	29.04	5.4	18.81	5.4						-231661	LU 18	-246092	-3510551	0.106	Si
255	30.41	5.4	19.01	5.4						-230160	LU 18	-237428	-3671897	0.108	Si
259	30.41	5.4	19.01	5.4						-229987	LU 18	-229987	-3671897	0.108	Si
277	30.41	5.4	19.01	5.4						-231813	LU 18	-229745	-3671897	0.108	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	22.81	0	2858	LU 11	2858	13760	76908	0	13760	1	Si
18	0	22.81	0	2669	LU 11	2669	13760	76908	0	13760	1	Si
23	0.215	22.81	0	2628	LU 11	2628	13760	76908	25009	25009	1	Si
37	0.215	22.81	0	2479	LU 11	2479	13760	76908	25009	25009	1	Si
55	0.215	22.81	0	2290	LU 11	2290	13760	76908	25009	25009	1	Si
74	0.215	22.81	0	2101	LU 11	2101	13760	76908	25009	25009	1	Si
83	0.215	22.81	0	2006	LU 11	2006	13760	76908	25009	25009	1	Si
102	0.218	22.81	0	1817	LU 11	1817	13760	76908	25256	25256	1	Si
120	0.218	22.81	0	1627	LU 11	1627	13760	76908	25256	25256	1	Si
139	0.218	22.81	0	1438	LU 11	1438	13760	76908	25256	25256	1	Si
157	0.218	22.81	0	1249	LU 11	1249	13760	76908	25256	25256	1	Si
176	0.218	22.81	0	1059	LU 11	1059	13760	76908	25256	25256	1	Si
194	0.215	22.81	0	870	LU 11	870	13760	76908	25009	25009	1	Si
213	0.215	22.81	0	681	LU 11	681	13760	76908	25009	25009	1	Si
222	0.215	22.81	0	586	LU 11	586	13760	76908	25009	25009	1	Si
240	0.215	22.81	0	410	LU 2	410	13760	76908	25009	25009	1	Si
240	0.215	22.81	0	-134	LU 17	-134	-13760	-76908	-25009	-25009	1	Si
255	0.215	22.81	0	296	LU 2	296	13760	76908	25009	25009	1	Si
255	0.215	22.81	0	-283	LU 17	-283	-13760	-76908	-25009	-25009	1	Si
259	0	22.81	0	265	LU 2	265	13760	76908	0	13760	1	Si
259	0	22.81	0	-324	LU 17	-324	-13760	-76908	0	-13760	1	Si
277	0	26.43	0	119	LU 2	119	14453	76908	0	14453	1	Si
277	0	26.43	0	-513	LU 17	-513	-14453	-76908	0	-14453	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-462040	2	-437916	11.4	124.5	332.3	1837	-397769	2	-376042	9.8	93.4	0	+∞	Si
18	-423592	2	-422907	11	124.5	320.9	1837	-363261	2	-362652	9.4	93.4	0	+∞	Si
23	-415703	2	-415703	10.8	124.5	315.4	1837	-356225	2	-356225	9.3	93.4	0	+∞	Si
37	-387837	2	-415703	10.8	124.5	315.4	1837	-331446	2	-356225	9.3	93.4	0	+∞	Si
55	-354776	2	-407993	10.6	124.5	309.6	1837	-302325	2	-349349	9.1	93.4	0	+∞	Si
74	-324409	2	-373392	9.7	124.5	283.3	1837	-275898	2	-318688	8.3	93.4	0	+∞	Si
83	-310284	3	-357102	9.3	124.5	271	1837	-263694	2	-304368	7.9	93.4	0	+∞	Si
102	-284184	3	-326541	8.5	124.5	247.8	1837	-241307	2	-277747	7.2	93.4	0	+∞	Si
120	-260779	3	-298820	7.8	124.5	226.7	1837	-221614	2	-253820	6.6	93.4	0	+∞	Si
139	-240067	3	-273874	7.1	124.5	207.8	1837	-204614	2	-232586	6	93.4	0	+∞	Si
157	-222049	3	-251622	6.5	124.5	190.9	1837	-190308	2	-214046	5.6	93.4	0	+∞	Si
176	-206725	3	-232064	6	124.5	176.1	1837	-178696	2	-198200	5.2	93.4	0	+∞	Si
194	-194094	3	-215199	5.6	124.5	163.3	1837	-169778	2	-185048	4.8	93.4	0	+∞	Si
213	-184157	3	-201028	4.9	124.5	132.2	1837	-163553	2	-174589	4.3	93.4	0	+∞	Si
222	-180198	3	-194952	4.7	124.5	124.2	1837	-161450	2	-170370	4.1	93.4	0	+∞	Si
240	-174931	9	-184822	4.3	124.5	110.8	1837	-159266	2	-163951	3.8	93.4	0	+∞	Si
255	-174140	9	-178808	4.1	124.5	102.6	1837	-159519	2	-160846	3.7	93.4	0	+∞	Si
259	-174107	9	-174107	4	124.5	99.9	1837	-159775	2	-159770	3.6	93.4	0	+∞	Si
277	-175977	9	-174103	4	124.5	99.9	1837	-162978	2	-160293	3.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
18	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
23	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
37	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.005	1	-0.006	1	9999	Si
55	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.007	1	-0.008	1	9999	Si
74	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.009	1	-0.009	1	9999	Si
83	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.009	1	-0.01	1	9999	Si
102	-0.005	-0.006	-0.004	-0.005	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.01	1	-0.011	1	9999	Si
120	-0.005	-0.006	-0.004	-0.006	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.01	1	-0.011	1	9999	Si
129	-0.005	-0.006	-0.004	-0.006	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.01	1	-0.011	1	9999	Si
139	-0.005	-0.006	-0.004	-0.006	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.01	1	-0.011	1	9999	Si
157	-0.005	-0.006	-0.004	-0.005	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.01	1	-0.01	1	9999	Si
176	-0.004	-0.006	-0.004	-0.005	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.009	1	-0.01	1	9999	Si
194	-0.004	-0.005	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.008	1	-0.008	1	9999	Si
213	-0.003	-0.004	-0.003	-0.004	-0.003	-0.004	-0.003	-0.003	-0.003	-0.004	-0.007	1	-0.007	1	9999	Si
222	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	1	-0.006	1	9999	Si
240	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
255	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	1	-0.003	1	9999	Si
259	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Campata 5 tra i fili 61 - 58, sezione R 45x70, asta 700

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	19.01	5.4						-1401820	LU 12	-1276253	-3671897	0.108	Si
19	30.41	5.4	19.01	5.4						-1189531	LU 12	-1186889	-3671897	0.108	Si
23	30.41	5.4	19.01	5.4						-1153171	LU 12	-1153171	-3671897	0.108	Si
38	28.92	5.4	18.72	5.4						-981005	LU 12	-1153171	-3495459	0.106	Si
58	27.11	5.4	17.43	5.4						-776242	LU 12	-1088207	-3281811	0.105	Si
77	22.81	5.4	15.21	5.4	-348442	LU 1	10388	1872416	0.087	-575242	LU 12	-881501	-2773116	0.1	Si
86	22.81	5.4	15.21	5.4	-288533	LU 1	19560	1872416	0.087	-476153	LU 12	-779560	-2773116	0.1	Si
105	22.81	5.4	15.21	5.4	-170886	LU 1	33671	1872416	0.087	-280797	LU 12	-578498	-2773116	0.1	Si
125	24.24	5.9	15.21	5.4	-56134	LU 1	194534	1898202	0.091	-89205	LU 12	-381200	-2916871	0.103	Si
144	21.83	6.3	15.21	5.4	99325	LU 11	376234	1913316	0.094	52750	LU 8	-187664	-2688676	0.101	Si
163	20.62	6.7	15.21	5.4	282859	LU 11	554595	1928325	0.1	164109	LU 8	-6390	-2460299	0.099	Si
182	15.21	7.4	15.21	5.4	462996	LU 12	729193	1934694	0.114						Si
201	15.21	7.4	15.21	5.4	639537	LU 12	900028	1934694	0.114						Si
220	15.21	7.4	12.01	5.4	812315	LU 12	1067101	1557887	0.104						Si
230	15.21	7.4	9.43	5.4	897293	LU 12	1149226	1252320	0.097						Si
249	15.21	7.4	13.67	5.4	1064427	LU 12	1199601	1753926	0.109						Si
265	15.21	7.4	19.01	5.4	1199601	LU 12	1199601	2364068	0.122						Si
268	15.21	7.4	19.01	5.4	1227797	LU 12	1225666	2364068	0.122						Si
288	15.21	7.4	19.01	5.4	1387405	LU 12	1294745	2364068	0.122						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.21	0	11171	LU 12	11171	14413	76908	0	14413	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
10	0	22.81	0	11073	LU 12	11073	13760	76908	0	13760	1	Si
19	0	22.81	0	10975	LU 12	10975	13760	76908	0	13760	1	Si
23	0.259	22.81	0	10941	LU 12	10941	13760	76908	30011	30011	1	Si
38	0.259	22.81	0	10778	LU 12	10778	13760	76908	30011	30011	1	Si
58	0.259	24.24	0	10582	LU 12	10582	14042	76908	30011	30011	1	Si
77	0.259	21.83	0	10386	LU 12	10386	13684	76908	30011	30011	1	Si
86	0.259	21.52	0	10288	LU 12	10288	13497	76908	30011	30011	1	Si
105	0.245	15.21	0	10092	LU 12	10092	12021	76908	28444	28444	1	Si
125	0.245	15.21	0	9895	LU 12	9895	11974	76292	28216	28216	1	Si
144	0.245	14.59	0	9699	LU 12	9699	11858	76908	28444	28444	1	Si
163	0.245	9.43	0	9503	LU 12	9503	10252	76908	28444	28444	1	Si
182	0.245	13.67	0	9306	LU 12	9306	11603	76908	28444	28444	1	Si
201	0.244	15.21	0	9110	LU 12	9110	12021	76908	28344	28344	1	Si
220	0.244	15.21	0	8914	LU 12	8914	12021	76908	28344	28344	1	Si
230	0.244	15.21	0	8816	LU 12	8816	12021	76908	28344	28344	1	Si
249	0.244	15.21	0	8619	LU 12	8619	12021	76908	28344	28344	1	Si
265	0.244	15.21	0	8457	LU 12	8457	12021	76908	28344	28344	1	Si
268	0	15.21	0	8423	LU 12	8423	12021	76908	0	12021	1	Si
288	0	12.01	0	8227	LU 12	8227	11113	76908	0	11113	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1048382	3	-954344	21.8	124.5	547.5	1837	-911209	2	-828849	18.9	93.4	0	+∞	Si
19	-889433	3	-887456	20.3	124.5	509.1	1837	-772160	2	-770439	17.6	93.4	0	+∞	Si
23	-862218	3	-862218	19.7	124.5	494.6	1837	-748400	2	-748400	17.1	93.4	0	+∞	Si
38	-733379	3	-862218	20	124.5	519.2	1837	-636006	2	-748400	17.4	93.4	0	+∞	Si
58	-580219	3	-813596	19.6	124.5	521.9	1837	-502747	2	-705949	17	93.4	0	+∞	Si
77	-429954	3	-658941	17.1	124.5	500	1837	-372382	2	-571195	14.9	93.4	0	+∞	Si
86	-355907	3	-582700	15.2	124.5	442.1	1837	-308285	2	-504904	13.1	93.4	0	+∞	Si
105	-209983	3	-432388	11.2	124.5	328.1	1837	-182262	2	-374492	9.7	93.4	0	+∞	Si
125	-66954	3	-284970	7.4	124.5	208.2	1837	-59134	2	-246975	6.4	93.4	0	+∞	Si
144	73646	2	280129	7.8	124.5	313.9	1837	61100	2	237874	6.6	93.4	0	+∞	Si
163	210531	2	412979	11.9	124.5	464.3	1837	178439	2	350825	10.1	93.4	0	+∞	Si
182	344765	3	542935	16.7	124.5	613.9	1837	292884	2	460880	14.2	93.4	0	+∞	Si
201	476215	3	669997	20.6	124.5	757.6	1837	404434	2	568042	17.5	93.4	0	+∞	Si
220	604771	3	794164	26.6	124.5	1127.6	1837	513090	2	672308	22.6	93.4	0	+∞	Si
230	667963	3	855162	31.5	124.5	1535.1	1837	566332	2	723356	26.7	93.4	0	+∞	Si
249	792178	3	892563	28.5	124.5	1118.3	1837	670646	2	754585	24.1	93.4	0	+∞	Si
265	892563	3	892563	25.4	124.5	814.1	1837	754585	2	754585	21.5	93.4	0	+∞	Si
268	913497	3	911913	25.9	124.5	831.8	1837	772065	2	770737	21.9	93.4	0	+∞	Si
288	1031922	3	963198	27.4	124.5	878.6	1837	870589	2	813543	23.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.002	1	-0.003	1	9999	Si
23	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
38	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
58	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
77	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
86	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.002	1	-0.002	1	9999	Si
105	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	1	-0.001	1	9999	Si
125	0.001	0	0.001	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
144	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.004	2	0.003	2	9999	Si
163	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.006	2	0.005	2	9999	Si
182	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.008	2	0.007	2	9999	Si
201	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
220	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
230	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.003	0.004	0.004	0.009	2	0.008	2	9999	Si
249	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
265	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
268	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si

Campata 6 tra i fili 58 - 55, sezione R 45x70, asta 701

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	7.4	19.01	5.4	342607	LU 12	342607	2364068	0.122						Si
19	15.21	7.4	19.01	5.4	395260	LU 12	395260	2364068	0.122						Si
23	15.21	7.4	19.01	5.4	404449	LU 12	476808	2364068	0.122						Si
38	15.21	7.4	19.01	5.4	444217	LU 12	511943	2364068	0.122						Si
57	15.21	7.4	19.01	5.4	489479	LU 12	551550	2364068	0.122						Si
76	15.21	7.4	19.01	5.4	531044	LU 12	587461	2364068	0.122						Si
85	15.21	7.4	19.01	5.4	550441	LU 12	604030	2364068	0.122						Si
104	15.21	7.4	19.01	5.4	586463	LU 12	634398	2364068	0.122						Si
123	14.34	7.3	19.01	5.4	618789	LU 12	661070	2362698	0.12						Si
142	12.54	7	19.01	5.4	647420	LU 12	684046	2358920	0.116						Si
161	10.75	6.6	19.01	5.4	672355	LU 12	703326	2348692	0.112						Si
180	7.6	5.4	19.01	5.4	693594	LU 12	718911	2323876	0.102						Si
199	11.37	5.4	19.01	5.4	711137	LU 12	730799	2323525	0.097						Si
209	12.26	5.4	19.01	5.4	718523	LU 12	735358	2323464	0.096						Si
218	13.16	5.4	22.25	5.4	724985	LU 12	738992	2707401	0.101						Si
228	14.05	5.4	23.53	5.4	730523	LU 12	741703	2858737	0.103						Si
247	15.21	5.4	26.09	5.4	738826	LU 12	742756	3161151	0.106						Si
262	15.21	5.4	26.61	5.4	742756	LU 12	742756	3222619	0.107						Si
266	15.21	5.4	26.61	5.4	743435	LU 12	743341	3222619	0.107						Si
285	15.21	5.4	26.61	5.4	744347	LU 12	744347	3222619	0.107						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	19.01	0	2868	LU 12	2868	12949	76908	0	12949	1	Si
19	0	19.01	0	2674	LU 12	2674	12949	76908	0	12949	1	Si
23	0.201	19.01	0	2638	LU 12	2638	12949	76908	23342	23342	1	Si
38	0.201	19.01	0	2479	LU 12	2479	12949	76908	23342	23342	1	Si
57	0.201	19.01	0	2285	LU 12	2285	12949	76908	23342	23342	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
76	0.201	19.01	0	2090	LU 12	2090	12949	76908	23342	23342	1	Si
85	0.201	19.01	0	1993	LU 12	1993	12949	76908	23342	23342	1	Si
104	0.191	19.01	0	1799	LU 12	1799	12949	76908	22175	22175	1	Si
123	0.191	19.01	0	1604	LU 12	1604	12949	76908	22175	22175	1	Si
142	0.191	19.01	0	1410	LU 12	1410	12949	76908	22175	22175	1	Si
161	0.191	19.01	0	1215	LU 12	1215	12949	76908	22175	22175	1	Si
180	0.191	19.01	0	1021	LU 12	1021	12949	76908	22175	22175	1	Si
199	0.187	19.01	0	826	LU 12	826	12949	76908	21675	21675	1	Si
218	0.187	19.01	0	632	LU 12	632	12949	76908	21675	21675	1	Si
228	0.187	19.01	0	534	LU 12	534	12949	76908	21675	21675	1	Si
247	0.187	19.01	0	340	LU 12	340	12949	76908	21675	21675	1	Si
262	0.187	19.01	0	186	LU 3	186	12949	76908	21675	21675	1	Si
262	0.187	19.01	0	-21	LU 10	-21	-12949	-76908	-21675	-21675	1	Si
266	0	19.01	0	158	LU 3	158	12949	76908	0	12949	1	Si
266	0	19.01	0	-57	LU 10	-57	-12949	-76908	0	-12949	1	Si
285	0	22.25	0	9	LU 3	9	13648	76908	0	13648	1	Si
285	0	22.25	0	-251	LU 10	-251	-13648	-76908	0	-13648	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	250859	3	250859	7.1	124.5	228.8	1837	193020	2	193020	5.5	93.4	0	+∞	Si
19	290968	3	290968	8.3	124.5	265.4	1837	231310	2	231310	6.6	93.4	0	+∞	Si
23	297963	3	353021	10	124.5	322	1837	237970	2	290246	8.3	93.4	0	+∞	Si
38	328233	3	379727	10.8	124.5	346.4	1837	266757	2	315468	9	93.4	0	+∞	Si
57	362656	3	409800	11.7	124.5	373.8	1837	299360	2	343722	9.8	93.4	0	+∞	Si
76	394236	3	437030	11.8	124.5	398.6	1837	329121	2	369133	10.5	93.4	0	+∞	Si
85	408959	3	449579	12.8	124.5	410.1	1837	342936	2	380773	10.8	93.4	0	+∞	Si
104	436275	3	472545	13.4	124.5	431	1837	368432	2	401920	11.4	93.4	0	+∞	Si
123	460748	3	492668	14.1	124.5	449.4	1837	391086	2	420224	12	93.4	0	+∞	Si
142	482377	3	509948	14.8	124.5	465.1	1837	410897	2	435685	12.7	93.4	0	+∞	Si
161	501164	3	524386	15.5	124.5	478.2	1837	427865	2	448304	13.2	93.4	0	+∞	Si
180	517108	3	535980	16.3	124.5	488.8	1837	441990	2	458079	13.9	93.4	0	+∞	Si
199	530209	3	544732	15.8	124.5	494.4	1837	453272	2	465012	13.4	93.4	0	+∞	Si
218	540467	3	550640	14.8	124.5	428.8	1837	461712	2	469102	12.6	93.4	0	+∞	Si
228	544530	3	552528	14.4	124.5	407.5	1837	464865	2	470081	12.3	93.4	0	+∞	Si
247	550524	3	553226	13.8	124.5	369.1	1837	469040	2	470258	11.7	93.4	0	+∞	Si
262	553226	3	553226	13.7	124.5	362.2	1837	470258	2	470258	11.7	93.4	0	+∞	Si
266	553675	3	553609	13.7	124.5	362.5	1837	470373	2	470332	11.7	93.4	0	+∞	Si
285	553984	3	553984	13.7	124.5	362.7	1837	468862	2	468862	11.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
19	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
23	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
38	0.005	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.009	2	0.009	2	9999	Si
57	0.008	0.006	0.007	0.005	0.007	0.006	0.006	0.005	0.006	0.006	0.013	2	0.012	2	9999	Si
76	0.01	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.016	2	0.015	2	9999	Si
85	0.01	0.008	0.009	0.007	0.009	0.008	0.008	0.007	0.009	0.008	0.018	2	0.016	2	9999	Si
104	0.012	0.009	0.01	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.02	2	0.019	2	9999	Si
123	0.013	0.01	0.011	0.008	0.011	0.01	0.01	0.008	0.011	0.01	0.022	2	0.02	2	9999	Si
142	0.013	0.01	0.011	0.009	0.012	0.01	0.01	0.009	0.011	0.01	0.022	2	0.021	2	9999	Si
152	0.013	0.01	0.011	0.009	0.012	0.01	0.01	0.009	0.011	0.01	0.022	2	0.021	2	9999	Si
161	0.013	0.01	0.011	0.009	0.012	0.01	0.01	0.009	0.011	0.01	0.022	2	0.021	2	9999	Si
180	0.012	0.01	0.011	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.021	2	0.02	2	9999	Si
199	0.011	0.009	0.01	0.008	0.01	0.009	0.009	0.008	0.01	0.009	0.02	2	0.018	2	9999	Si
218	0.01	0.008	0.008	0.007	0.009	0.008	0.007	0.007	0.008	0.008	0.017	2	0.015	2	9999	Si
228	0.009	0.007	0.007	0.006	0.008	0.007	0.007	0.006	0.007	0.007	0.015	2	0.014	2	9999	Si
247	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
262	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.007	2	0.006	2	9999	Si
266	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si

Campata 7 tra i fili 55 - 50, sezione R 45x70, asta 702

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	15.21	5.4	26.61	5.4	1146440	LU 12	1076954	3222619	0.107						Si
20	15.21	5.4	26.61	5.4	1019964	LU 12	1019125	3222619	0.107						Si
23	15.21	5.4	26.61	5.4	1004970	LU 12	1004970	3222619	0.107						Si
40	15.21	5.4	26.61	5.4	889326	LU 12	1004970	3222619	0.107						Si
61	13.72	5.4	24.69	5.4	754523	LU 12	947461	2995147	0.105						Si
81	11.82	5.4	19.01	5.4	615558	LU 12	814496	2323469	0.097						Si
91	10.87	5.4	19.01	5.4	544513	LU 12	746453	2323602	0.098						Si
111	7.6	5.4	19.01	5.4	399302	LU 12	607244	2323876	0.102						Si
131	7.6	5.4	19.01	5.4	249927	LU 12	463871	2323876	0.102						Si
151	7.6	5.4	19.01	5.4	96389	LU 12	316334	2323876	0.102	50650	LU 1	-132314	-971525	0.08	Si
171	14.22	5.4	19.01	5.4	-40599	LU 8	164634	2323269	0.095	-61400	LU 11	-296018	-1756193	0.087	Si
192	18.03	5.4	19.01	5.4	-136938	LU 1	37673	2322909	0.093	-223178	LU 12	-463885	-2206612	0.091	Si
212	21.83	5.4	19.01	5.4	-235536	LU 1	22060	2322662	0.091	-389206	LU 12	-635915	-2656806	0.096	Si
232	25.88	5.4	19.01	5.4	-337337	LU 1	201	2322453	0.09	-559399	LU 12	-812109	-3136133	0.101	Si
242	26.83	5.4	19.01	5.4						-646056	LU 12	-901767	-3248495	0.103	Si
262	28.73	5.4	19.01	5.4						-822494	LU 12	-982079	-3473289	0.106	Si
280	30.41	5.4	19.01	5.4						-982079	LU 12	-982079	-3671897	0.108	Si
282	30.41	5.4	19.01	5.4						-1003095	LU 12	-1002067	-3671897	0.108	Si
303	30.41	5.4	19.01	5.4						-1187860	LU 12	-1083720	-3671897	0.108	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	24.69	0	-6168	LU 12	-6168	-14128	-76908	0	-14128	1	Si
20	0	19.01	0	-6375	LU 12	-6375	-12949	-76908	0	-12949	1	Si
23	0.23	19.01	0	-6399	LU 12	-6399	-12949	-76908	-26676	-26676	1	Si
40	0.23	19.01	0	-6581	LU 12	-6581	-12949	-76908	-26676	-26676	1	Si
61	0.23	19.01	0	-6788	LU 12	-6788	-12949	-76908	-26676	-26676	1	Si
81	0.23	19.01	0	-6994	LU 12	-6994	-12949	-76908	-26676	-26676	1	Si
91	0.23	19.01	0	-7097	LU 12	-7097	-12949	-76908	-26676	-26676	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
111	0.24	19.01	0	-7304	LU 12	-7304	-12949	-76908	-27812	-27812	1	Si
131	0.24	19.01	0	-7510	LU 12	-7510	-12949	-76908	-27812	-27812	1	Si
151	0.24	19.01	0	-7717	LU 12	-7717	-12949	-76908	-27812	-27812	1	Si
171	0.24	7.6	0	-7923	LU 12	-7923	-9541	-76908	-27812	-27812	1	Si
192	0.24	7.6	0	-8130	LU 12	-8130	-9541	-76908	-27812	-27812	1	Si
212	0.244	7.6	0	-8336	LU 12	-8336	-9541	-76908	-28344	-28344	1	Si
232	0.244	14.22	0	-8543	LU 12	-8543	-11756	-76908	-28344	-28344	1	Si
242	0.244	16.12	0	-8646	LU 12	-8646	-12258	-76908	-28344	-28344	1	Si
262	0.244	19.93	0	-8852	LU 12	-8852	-13155	-76908	-28344	-28344	1	Si
280	0.244	21.83	0	-9035	LU 12	-9035	-13560	-76908	-28344	-28344	1	Si
282	0	22.81	0	-9059	LU 12	-9059	-13760	-76908	0	-13760	1	Si
303	0	26.83	0	-9265	LU 12	-9265	-14526	-76908	0	-14526	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	849627	3	798342	19.8	124.5	522.7	1837	702116	2	660735	16.4	93.4	0	+∞	Si
20	756221	3	755599	18.7	124.5	494.7	1837	626463	2	625948	15.5	93.4	0	+∞	Si
23	745136	3	745136	18.5	124.5	487.9	1837	617432	2	617432	15.3	93.4	0	+∞	Si
40	659612	3	745136	18.5	124.5	487.9	1837	547607	2	617432	15.3	93.4	0	+∞	Si
61	559800	3	702617	18.2	124.5	495.2	1837	465549	2	582775	15.1	93.4	0	+∞	Si
81	456785	3	604219	17.4	124.5	548.1	1837	380288	2	502130	14.4	93.4	0	+∞	Si
91	404077	3	553819	16.1	124.5	503	1837	336456	2	460607	13.4	93.4	0	+∞	Si
111	296258	3	450617	13.7	124.5	411	1837	246391	2	375158	11.4	93.4	0	+∞	Si
131	185237	3	344212	10.5	124.5	313.9	1837	153123	2	286507	8.7	93.4	0	+∞	Si
151	71013	3	234605	7.1	124.5	214	1837	56652	2	194653	5.9	93.4	0	+∞	Si
171	-46472	2	-221360	6.4	124.5	264	1837	-43022	2	-192377	5.6	93.4	0	+∞	Si
192	-167044	3	-346607	9.3	124.5	328.6	1837	-145898	2	-299870	8	93.4	0	+∞	Si
212	-290876	3	-475056	12	124.5	374.5	1837	-251977	2	-410565	10.3	93.4	0	+∞	Si
232	-417911	3	-606707	14.5	124.5	406.2	1837	-361258	2	-524464	12.5	93.4	0	+∞	Si
242	-482629	3	-673734	15.9	124.5	435.7	1837	-417100	2	-582614	13.8	93.4	0	+∞	Si
262	-614468	3	-733793	17	124.5	444.5	1837	-531186	2	-634811	14.7	93.4	0	+∞	Si
280	-733793	3	-733793	16.7	124.5	421	1837	-634811	2	-634811	14.5	93.4	0	+∞	Si
282	-749510	3	-748742	17.1	124.5	429.5	1837	-648474	2	-647813	14.8	93.4	0	+∞	Si
303	-887754	3	-809813	18.5	124.5	464.6	1837	-768966	2	-700927	16	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
20	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.003	2	9999	Si
23	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
40	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
61	0.005	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.007	2	9999	Si
81	0.005	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
91	0.005	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.007	2	9999	Si
111	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si
131	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
151	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
171	0.001	0	0.001	0	0.001	0	0	0	0	0	0.001	2	0.001	2	9999	Si
192	0	-0.001	0	0	0	-0.001	0	0	-0.001	-0.001	-0.001	2	-0.001	2	9999	Si
212	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
232	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
242	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.004	1	9999	Si
262	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.003	1	-0.003	1	9999	Si
280	-0.001	-0.002	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
282	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Campata 8 tra i fili 50 - 36C, sezione R 45x70, asta 703

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	30.41	5.4	19.01	5.4						-647236	LU 12	-597988	-3671897	0.108	Si
23	30.41	5.4	19.01	5.4						-551331	LU 12	-551331	-3671897	0.108	Si
45	28.29	5.4	19.01	5.4						-460609	LU 12	-551331	-3421204	0.105	Si
68	26.17	5.4	19.01	5.4						-375069	LU 12	-486721	-3170412	0.102	Si
90	22.81	5.4	19.01	5.4	-190443	LU 1	16122	2322640	0.091	-294712	LU 12	-399668	-2772814	0.097	Si
101	22.81	5.4	19.01	5.4	-161243	LU 1	28647	2322640	0.091	-256477	LU 12	-358085	-2772814	0.097	Si
124	22.81	5.4	19.01	5.4	-105833	LU 1	47866	2322640	0.091	-183894	LU 12	-278806	-2772814	0.097	Si
146	22.81	5.4	19.01	5.4	-54409	LU 1	59312	2322640	0.091	-116494	LU 12	-204710	-2772814	0.097	Si
169	22.81	5.4	19.01	5.4	-6973	LU 1	62983	2322640	0.091	-54277	LU 12	-135797	-2772814	0.097	Si
191	22.81	5.4	19.01	5.4	47421	LU 10	112568	2322640	0.091	-8185	LU 3	-72066	-2772814	0.097	Si
214	22.81	5.4	19.01	5.4	98723	LU 10	157174	2322640	0.091	31828	LU 3	-20742	-2772814	0.097	Si
236	29.1	6.3	30.99	6.2	144843	LU 10	196598	3742596	0.115						Si
248	30.69	6.4	34.02	6.3	165959	LU 10	214366	4080590	0.124						Si
270	33.87	6.7	34.21	6.3	204304	LU 10	246016	4104584	0.128						Si
293	34.21	6.7	34.21	6.3	237467	LU 10	262482	4104861	0.129						Si
313	34.21	6.7	34.21	6.3	262482	LU 10	262482	4104861	0.129						Si
315	34.21	6.7	34.21	6.3	265447	LU 10	265223	4104861	0.129						Si
338	34.21	6.7	34.21	6.3	288244	LU 10	276907	4104861	0.129						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	26.17	0	4380	LU 11	4380	14406	76908	0	14406	1	Si
11	0	22.81	0	4264	LU 11	4264	13760	76908	0	13760	1	Si
23	0.23	22.81	0	4149	LU 11	4149	13760	76908	26676	26676	1	Si
45	0.23	22.81	0	3919	LU 11	3919	13760	76908	26676	26676	1	Si
68	0.23	22.81	0	3689	LU 11	3689	13760	76908	26676	26676	1	Si
90	0.23	22.81	0	3458	LU 11	3458	13760	76908	26676	26676	1	Si
101	0.214	22.81	0	3343	LU 11	3343	13760	76908	24898	24898	1	Si
124	0.214	22.81	0	3113	LU 11	3113	13760	76908	24898	24898	1	Si
146	0.214	22.81	0	2882	LU 11	2882	13760	76908	24898	24898	1	Si
169	0.214	22.81	0	2652	LU 11	2652	13760	76908	24898	24898	1	Si
191	0.214	19.01	0	2422	LU 11	2422	12949	76908	24898	24898	1	Si
214	0.214	19.01	0	2191	LU 11	2191	12949	76908	24898	24898	1	Si
236	0.214	19.01	0	1961	LU 11	1961	12873	75988	24600	24600	1	Si
248	0.215	19.01	0	1846	LU 11	1846	12863	75857	24667	24667	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
270	0.215	19.01	0	1615	LU 11	1615	12862	75850	24665	24665	1	Si
293	0.215	27.96	0	1385	LU 11	1385	14628	75850	24665	24665	1	Si
313	0.215	34.02	0	1180	LU 11	1180	15617	75850	24665	24665	1	Si
315	0	34.02	0	1155	LU 11	1155	15617	75850	0	15617	1	Si
338	0	34.21	0	924	LU 11	924	15646	75850	0	15646	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-492814	3	-454959	10.4	124.5	261	1837	-469741	2	-432010	9.9	93.4	0	+∞	Si
23	-419097	3	-419097	9.6	124.5	240.4	1837	-396272	2	-396272	9	93.4	0	+∞	Si
45	-349367	3	-419097	9.8	124.5	257.6	1837	-326789	2	-396272	9.2	93.4	0	+∞	Si
68	-283624	3	-369437	8.8	124.5	244.7	1837	-261293	2	-346787	8.3	93.4	0	+∞	Si
90	-221867	3	-302530	7.5	124.5	228.6	1837	-199784	2	-280127	7	93.4	0	+∞	Si
101	-192484	3	-270571	6.7	124.5	204.5	1837	-170525	2	-248292	6.2	93.4	0	+∞	Si
124	-136707	3	-209644	5.2	124.5	158.4	1837	-114996	2	-187612	4.7	93.4	0	+∞	Si
146	-84917	3	-152703	3.8	124.5	115.4	1837	-63453	2	-130919	3.3	93.4	0	+∞	Si
169	-37114	3	-99749	2.5	124.5	75.4	1837	-15898	2	-78213	1.9	93.4	0	+∞	Si
191	36477	1	86591	2.2	124.5	77.8	1837	36477	1	86591	2.2	93.4	0	+∞	Si
214	75941	1	120903	3.1	124.5	108.6	1837	75941	1	120903	3.1	93.4	0	+∞	Si
236	111417	1	151229	3.2	124.5	87.5	1837	111417	1	151229	3.2	93.4	0	+∞	Si
248	127661	1	164897	3.4	124.5	87.6	1837	127661	1	164897	3.4	93.4	0	+∞	Si
270	157157	1	189243	3.8	124.5	100	1837	157157	1	189243	3.8	93.4	0	+∞	Si
293	182667	1	201909	4	124.5	106.7	1837	182667	1	201909	4	93.4	0	+∞	Si
313	201909	1	201909	4	124.5	106.7	1837	201909	1	201909	4	93.4	0	+∞	Si
315	204190	1	204018	4.1	124.5	107.8	1837	204190	1	204018	4.1	93.4	0	+∞	Si
338	221727	1	213005	4.2	124.5	112.6	1837	221727	1	213005	4.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
45	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
68	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	1	-0.005	1	9999	Si
90	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.005	1	-0.005	1	9999	Si
101	-0.002	-0.003	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
124	-0.002	-0.003	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.005	1	9999	Si
146	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.002	-0.003	1	-0.004	1	9999	Si
169	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
191	0	-0.001	0	-0.001	0	-0.001	0	-0.001	0	0	-0.001	1	-0.002	1	9999	Si
214	0	-0.001	0	-0.001	0	0	0	0	0	0	0	1	-0.001	1	9999	Si
236	0.001	0	0	0	0.001	0	0	0	0.001	0.001	0.001	1	0	1	9999	Si
248	0.001	0	0	0	0.001	0	0	0	0.001	0.001	0.001	1	0	1	9999	Si
270	0.001	0	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	1	0.001	1	9999	Si
293	0.001	0	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	1	0.001	1	9999	Si
313	0.001	0	0	0	0.001	0.001	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si
315	0.001	0	0	0	0.001	0	0	0	0.001	0.001	0.001	1	0.001	1	9999	Si

Campata 9 tra i fili 36C - 25D, sezione R 45x70, asta 704

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	34.21	6.7	34.21	6.3	303285	LU 12	303285	4104861	0.129						Si
9	34.21	6.7	34.21	6.3	330250	LU 12	330250	4104861	0.129						Si
18	34.21	6.7	34.21	6.3	356416	LU 12	356416	4104861	0.129						Si
25	34.21	6.7	34.21	6.3	377510	LU 12	455943	4104861	0.129						Si
35	34.21	6.7	34.21	6.3	406352	LU 12	481851	4104861	0.129						Si
40	34.21	6.7	33.37	6.3	418337	LU 12	492594	4014600	0.127						Si
49	33.78	6.7	31	6.2	441758	LU 11	513480	3756351	0.123						Si
57	30.87	6.7	28.62	6.1	464474	LU 11	533567	3487502	0.119						Si
66	27.96	6.6	26.24	6	486391	LU 11	552855	3216077	0.116						Si
75	25.04	6.6	19.01	5.4	507510	LU 11	571345	2383620	0.104						Si
84	22.13	6.5	19.01	5.4	527829	LU 11	583159	2373586	0.104						Si
93	19.21	6.4	19.01	5.4	547350	LU 11	583159	2363595	0.103						Si
102	7.6	5.4	19.01	5.4	566072	LU 11	583159	2323876	0.102						Si
106	7.6	5.4	19.01	5.4	575133	LU 11	583159	2323876	0.102						Si
110	7.6	5.4	19.01	5.4	583159	LU 11	583159	2323876	0.102						Si
115	7.6	5.4	19.01	5.4	592657	LU 11	591736	2323876	0.102						Si
124	7.6	5.4	19.01	5.4	609382	LU 11	602078	2323876	0.102						Si
132	7.6	5.4	19.01	5.4	625308	LU 11	605525	2323876	0.102						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	27.43	0	3114	LU 11	3114	14534	75850	0	14534	1	Si
9	0	25.05	0	3024	LU 11	3024	14101	75850	0	14101	1	Si
13	0	19.01	0	2979	LU 11	2979	12862	75850	0	12862	1	Si
18	0	19.01	0	2933	LU 11	2933	12862	75850	0	12862	1	Si
25	0.225	19.01	0	2858	LU 11	2858	12862	75850	25729	25729	1	Si
35	0.225	19.01	0	2752	LU 11	2752	12862	75850	25729	25729	1	Si
40	0.225	19.01	0	2707	LU 11	2707	12865	75883	25740	25740	1	Si
49	0.225	19.01	0	2617	LU 11	2617	12873	75987	25776	25776	1	Si
57	0.225	19.01	0	2526	LU 11	2526	12883	76109	25817	25817	1	Si
66	0.225	19.01	0	2436	LU 11	2436	12895	76252	25865	25865	1	Si
75	0.225	19.01	0	2346	LU 11	2346	12949	76908	26088	26088	1	Si
84	0.225	19.01	0	2255	LU 11	2255	12949	76908	26088	26088	1	Si
93	0.225	19.01	0	2165	LU 11	2165	12949	76908	26088	26088	1	Si
102	0.225	19.01	0	2074	LU 11	2074	12949	76908	26088	26088	1	Si
106	0.225	19.01	0	2029	LU 11	2029	12949	76908	26088	26088	1	Si
110	0.225	19.01	0	1988	LU 11	1988	12949	76908	26088	26088	1	Si
115	0	19.01	0	1939	LU 11	1939	12949	76908	0	12949	1	Si
124	0	19.01	0	1848	LU 11	1848	12949	76908	0	12949	1	Si
132	0	19.01	0	1758	LU 11	1758	12949	76908	0	12949	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	227180	3	227180	4.5	124.5	120.1	1837	199205	2	199205	4	93.4	0	+∞	Si
9	247700	3	247700	4.9	124.5	130.9	1837	218743	2	218743	4.4	93.4	0	+∞	Si
18	267606	3	267606	5.3	124.5	141.4	1837	237666	2	237666	4.7	93.4	0	+∞	Si
25	283647	3	343235	6.8	124.5	181.4	1837	252892	2	309153	6.1	93.4	0	+∞	Si
35	305574	3	362887	7.2	124.5	191.8	1837	273669	2	327544	6.5	93.4	0	+∞	Si
40	314682	3	371032	7.4	124.5	200.6	1837	282286	2	335149	6.7	93.4	0	+∞	Si
49	332471	2	386861	7.9	124.5	223.8	1837	299059	2	349900	7.2	93.4	0	+∞	Si
57	349707	2	402076	8.6	124.5	250.5	1837	315217	2	364036	7.8	93.4	0	+∞	Si
66	366330	2	416676	9.4	124.5	281.3	1837	330761	2	377558	8.5	93.4	0	+∞	Si
75	382338	2	430662	10.9	124.5	389.1	1837	345690	2	390465	9.9	93.4	0	+∞	Si
84	397731	2	439593	11.5	124.5	397.6	1837	360005	2	398682	10.4	93.4	0	+∞	Si
93	412510	2	439593	11.8	124.5	398.1	1837	373706	2	398682	10.7	93.4	0	+∞	Si
102	426675	2	439593	13.4	124.5	400.9	1837	386792	2	398682	12.1	93.4	0	+∞	Si
106	433526	2	439593	13.4	124.5	400.9	1837	393104	2	398682	12.1	93.4	0	+∞	Si
110	439593	2	439593	13.4	124.5	400.9	1837	398682	2	398682	12.1	93.4	0	+∞	Si
115	446769	2	446075	13.6	124.5	406.8	1837	405268	2	404637	12.3	93.4	0	+∞	Si
124	459397	2	453890	13.8	124.5	414	1837	416818	2	411818	12.5	93.4	0	+∞	Si
132	471411	2	456495	13.9	124.5	416.3	1837	427753	2	414211	12.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
9	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
18	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2	0.001	2	9999	Si
25	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
35	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
40	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
49	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
57	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
66	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.003	2	9999	Si
75	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.003	2	9999	Si
84	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
93	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
102	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
106	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
110	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
115	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
124	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si

Trave a "Piano Terra" 70-73

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 70 - ?, sezione R 45x70, aste 705, 706

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	11.4	5.4						-994220	LU 11	-921241	-970824	0.078	Si
23	7.6	5.4	11.4	5.4						-843690	LU 11	-843690	-970824	0.078	Si
30	7.6	5.4	11.4	5.4						-795495	LU 11	-843690	-970824	0.078	Si
60	7.6	5.4	11.4	5.4						-608242	LU 11	-790157	-970824	0.078	Si
90	7.6	5.4	11.4	5.4						-432372	LU 10	-603209	-970824	0.078	Si
120	7.6	5.4	11.4	5.4	-199944	LU 3	46761	1422093	0.084	-285446	LU 10	-428170	-970824	0.078	Si
135	7.6	5.4	11.4	5.4	-138584	LU 3	85886	1422093	0.084	-215880	LU 10	-353573	-970824	0.078	Si
165	7.6	5.4	11.4	5.4	-23687	LU 3	148164	1422093	0.084	-84858	LU 10	-212120	-970824	0.078	Si
194	7.6	5.4	11.4	5.4	88321	LU 12	202450	1422093	0.084	26871	LU 1	-81411	-970824	0.078	Si
224	7.6	5.4	11.4	5.4	205650	LU 11	305184	1422093	0.084						Si
254	7.6	5.4	11.4	5.4	307951	LU 11	392124	1422093	0.084						Si
284	7.6	5.4	18.87	5.4	394441	LU 11	462533	2307609	0.102						Si
314	7.6	5.4	22.81	5.4	464380	LU 11	515670	2772675	0.114						Si
344	7.6	5.4	22.81	5.4	517025	LU 11	550792	2772675	0.114						Si
359	7.6	5.4	22.81	5.4	536631	LU 11	561366	2772675	0.114						Si
389	7.6	5.4	22.81	5.4	561946	LU 11	568079	2772675	0.114						Si
419	7.6	5.4	22.81	5.4	568112	LU 11	568112	2772675	0.114						Si
419	7.6	5.4	22.81	5.4	568113	LU 11	568100	2772675	0.114						Si
449	7.6	5.4	22.81	5.4	554417	LU 11	554417	2772675	0.114						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	7475	LU 11	7475	9541	76908	0	9541	1	Si
23	0.158	7.6	0	6893	LU 11	6893	9541	76908	18340	18340	1	Si
30	0.158	7.6	0	6802	LU 11	6802	9541	76908	18340	18340	1	Si
60	0.158	7.6	0	6422	LU 11	6422	9541	76908	18340	18340	1	Si
90	0.158	7.6	0	6021	LU 11	6021	9541	76908	18340	18340	1	Si
120	0.149	7.6	0	5594	LU 11	5594	9541	76908	17313	17313	1	Si
135	0.149	7.6	0	5370	LU 11	5370	9541	76908	17313	17313	1	Si
165	0.149	7.6	0	4903	LU 11	4903	9541	76908	17313	17313	1	Si
194	0.149	11.4	0	4409	LU 11	4409	10922	76908	17313	17313	1	Si
224	0.149	11.4	0	3889	LU 11	3889	10922	76908	17313	17313	1	Si
254	0.149	11.4	0	3342	LU 11	3342	10922	76908	17313	17313	1	Si
284	0.149	11.4	0	2769	LU 11	2769	10922	76908	17313	17313	1	Si
314	0.149	11.4	0	2210	LU 10	2210	10922	76908	17313	17313	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
344	0.149	18.87	0	1712	LU 10	1712	12918	76908	17313	17313	1	Si
359	0.115	21.89	0	1457	LU 10	1457	13573	76908	13338	13573	1	Si
389	0.115	22.81	0	933	LU 10	933	13760	76908	13338	13760	1	Si
419	0.115	22.81	0	393	LU 10	393	13760	76908	13338	13760	1	Si
419	0.115	22.81	0	-245	LU 3	-245	-13760	-76908	-13338	-13760	1	Si
419	0.115	22.81	0	391	LU 10	391	13760	76908	13338	13760	1	Si
419	0.115	22.81	0	-246	LU 3	-246	-13760	-76908	-13338	-13760	1	Si
449	0	22.81	0	-852	LU 12	-852	-13760	-76908	0	-13760	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-758428	2	-703140	15.8	124.5	243.8	1837	-729503	2	-678083	27.2	93.4	0	+∞	Si
23	-644368	2	-644368	14.5	124.5	223.4	1837	-623329	2	-623329	25	93.4	0	+∞	Si
30	-607844	2	-644368	14.5	124.5	223.4	1837	-589302	2	-623329	25	93.4	0	+∞	Si
60	-465933	2	-603798	13.6	124.5	209.4	1837	-457082	2	-585533	23.5	93.4	0	+∞	Si
90	-332594	1	-462118	10.4	124.5	160.2	1837	-332594	1	-453526	18.2	93.4	0	+∞	Si
120	-219574	1	-329362	7.4	124.5	114.2	1837	-219574	1	-329362	13.2	93.4	0	+∞	Si
135	-166062	1	-271979	6.1	124.5	94.3	1837	-166062	1	-271979	10.9	93.4	0	+∞	Si
165	-65276	1	-163170	3.7	124.5	56.6	1837	-65276	1	-163170	6.5	93.4	0	+∞	Si
194	62463	3	149317	5.4	124.5	222.3	1837	37482	2	120136	4.4	93.4	0	+∞	Si
224	151753	2	227630	8.3	124.5	338.9	1837	122453	2	195201	7.1	93.4	0	+∞	Si
254	229740	2	294104	10.7	124.5	437.9	1837	197231	2	259845	9.4	93.4	0	+∞	Si
284	295878	2	348198	10.6	124.5	319.8	1837	261579	2	313636	9.6	93.4	0	+∞	Si
314	349620	2	389366	11.2	124.5	298.5	1837	315061	2	356138	10.2	93.4	0	+∞	Si
344	390420	2	417061	12	124.5	319.7	1837	357243	2	386918	11.1	93.4	0	+∞	Si
359	405796	2	425686	12.2	124.5	326.3	1837	373960	2	397776	11.4	93.4	0	+∞	Si
389	426160	2	432151	11.8	124.5	331.3	1837	398377	2	410159	11.8	93.4	0	+∞	Si
419	432211	2	432211	11.8	124.5	331.3	1837	410382	2	410382	11.8	93.4	0	+∞	Si
419	432216	2	432207	11.8	124.5	331.3	1837	410406	2	410399	11.8	93.4	0	+∞	Si
449	423434	2	423434	12.1	124.5	324.6	1837	409600	2	409600	11.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.004	2	-0.004	2	9999	Si
30	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
60	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.007	2	-0.008	2	9999	Si
90	-0.001	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.007	2	-0.007	2	9999	Si
120	0	-0.001	-0.001	-0.002	0	-0.001	-0.001	-0.002	-0.001	-0.001	-0.004	2	-0.005	2	9999	Si
135	0.001	0	0	-0.001	0	0	0	-0.001	0	0	-0.002	2	-0.003	2	9999	Si
165	0.003	0.001	0.002	0	0.002	0.001	0.001	0	0.002	0.001	0.002	2	0	2	9999	Si
194	0.005	0.003	0.004	0.002	0.004	0.003	0.003	0.002	0.004	0.003	0.006	2	0.005	2	9999	Si
224	0.007	0.005	0.006	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.01	2	0.009	2	9999	Si
254	0.008	0.006	0.007	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.014	2	0.012	2	9999	Si
284	0.009	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.016	2	0.015	2	9999	Si
314	0.01	0.007	0.009	0.007	0.009	0.008	0.008	0.007	0.008	0.008	0.017	2	0.016	2	9999	Si
344	0.009	0.007	0.008	0.006	0.008	0.007	0.007	0.007	0.008	0.007	0.017	2	0.016	2	9999	Si
359	0.008	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.007	0.007	0.016	2	0.015	2	9999	Si
389	0.007	0.005	0.006	0.005	0.006	0.005	0.005	0.005	0.006	0.005	0.013	2	0.012	2	9999	Si
419	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si
419	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.007	2	0.007	2	9999	Si

Trave a "Piano Terra" 70-(2361; 1496)

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x70	Rettangolare	45	70	3.5	3.5	3.5

Output campate

Campata 2 tra i fili 70 - 71, sezione R 45x70, asta 685

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	19.01	5.4						-1087068	LU 12	-936308	-971525	0.08	Si
23	7.6	5.4	19.01	5.4						-793046	LU 12	-793046	-971525	0.08	Si
26	7.6	5.4	19.01	5.4						-750266	LU 12	-793046	-971525	0.08	Si
52	7.6	5.4	19.01	5.4						-434763	LU 12	-791805	-971525	0.08	Si
77	7.6	5.4	19.01	5.4	-105982	LU 1	161867	2323876	0.102	-144275	LU 18	-473617	-971525	0.08	Si
103	7.6	5.4	19.01	5.4	130083	LU 12	406552	2323876	0.102	66747	LU 6	-178965	-971525	0.08	Si
116	7.6	5.4	19.01	5.4	256922	LU 12	519784	2323876	0.102	149051	LU 1	-54553	-971525	0.08	Si
142	7.6	5.4	19.01	5.4	492573	LU 12	727472	2323876	0.102						Si
168	7.6	5.4	19.01	5.4	703449	LU 12	909383	2323876	0.102						Si
194	7.6	5.4	19.01	5.4	888659	LU 12	1064628	2323876	0.102						Si
220	7.6	5.4	35.11	6.1	1047315	LU 12	1192316	4110424	0.203						Si
245	7.6	5.4	38.01	6.2	1178525	LU 12	1291558	4412298	0.225						Si
271	7.6	5.4	38.01	6.2	1281401	LU 12	1361464	4412298	0.225						Si
297	7.6	5.4	38.01	6.2	1355052	LU 12	1391225	4412298	0.225						Si
317	7.6	5.4	38.01	6.2	1391225	LU 12	1391225	4412298	0.225						Si
336	7.6	5.4	38.01	6.2	1411912	LU 12	1411912	4412298	0.225						Si
362	7.6	5.4	38.01	6.2	1423359	LU 12	1423359	4412298	0.225						Si
387	7.6	5.4	38.01	6.2	1421168	LU 18	1421168	4412298	0.225						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	13443	LU 12	13443	9541	76908	0	9541	1	Si
23	0.23	7.6	0	12734	LU 12	12734	9541	76908	26676	26676	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
26	0.23	7.6	0	12629	LU 12	12629	9541	76908	26676	26676	1	Si
52	0.23	7.6	0	11794	LU 12	11794	9541	76908	26676	26676	1	Si
77	0.23	7.6	0	10938	LU 12	10938	9541	76908	26676	26676	1	Si
103	0.214	19.01	0	10048	LU 12	10048	12949	76908	24848	24848	1	Si
116	0.214	19.01	0	9590	LU 12	9590	12949	76908	24848	24848	1	Si
142	0.214	19.01	0	8648	LU 12	8648	12949	76908	24848	24848	1	Si
168	0.214	19.01	0	7672	LU 12	7672	12949	76908	24848	24848	1	Si
194	0.214	19.01	0	6661	LU 12	6661	12949	76908	24848	24848	1	Si
220	0.214	19.01	0	5616	LU 12	5616	12877	76035	24565	24565	1	Si
245	0.214	19.01	0	4604	LU 18	4604	12871	75956	24540	24540	1	Si
271	0.172	30.76	0	3622	LU 17	3622	15111	75956	19760	19760	1	Si
297	0.172	38.01	0	2776	LU 17	2776	16216	75956	19760	19760	1	Si
317	0.172	38.01	0	2131	LU 17	2131	16216	75956	19760	19760	1	Si
336	0	38.01	0	1695	LU 17	1695	16216	75956	0	16216	1	Si
362	0	38.01	0	1107	LU 17	1107	16216	75956	0	16216	1	Si
362	0	38.01	0	-183	LU 2	-183	-16216	-75956	0	-16216	1	Si
387	0	38.01	0	517	LU 17	517	16216	75956	0	16216	1	Si
387	0	38.01	0	-820	LU 2	-820	-16216	-75956	0	-16216	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-818483	3	-705366	14.5	124.5	236.6	1837	-737503	2	-637408	23.3	93.4	0	+∞	Si
23	-597835	3	-597835	12.3	124.5	200.6	1837	-542077	2	-542077	19.8	93.4	0	+∞	Si
26	-565727	3	-597835	12.3	124.5	200.6	1837	-513621	2	-542077	19.8	93.4	0	+∞	Si
52	-328835	3	-596904	12.3	124.5	200.2	1837	-303244	2	-541252	19.8	93.4	0	+∞	Si
77	-110314	9	-358013	7.4	124.5	120.1	1837	-106625	2	-329175	12	93.4	0	+∞	Si
103	95710	3	303830	9.2	124.5	277.1	1837	75802	2	263108	8	93.4	0	+∞	Si
116	191155	3	389159	11.8	124.5	354.9	1837	161532	2	340315	10.3	93.4	0	+∞	Si
142	368642	3	545861	16.6	124.5	497.8	1837	321696	2	482995	14.7	93.4	0	+∞	Si
168	527713	3	683410	20.8	124.5	623.3	1837	466366	2	609595	18.5	93.4	0	+∞	Si
194	667713	3	801151	24.4	124.5	730.7	1837	595021	2	719591	21.9	93.4	0	+∞	Si
220	787987	3	898429	23	124.5	471.9	1837	707139	2	812464	20.8	93.4	0	+∞	Si
245	887880	3	974588	24.5	124.5	476.5	1837	802198	2	887692	22.3	93.4	0	+∞	Si
271	966736	3	1028974	25.8	124.5	503.1	1837	879677	2	944753	23.7	93.4	0	+∞	Si
297	1023901	3	1052728	26.4	124.5	514.7	1837	939055	2	972350	24.4	93.4	0	+∞	Si
317	1052728	3	1052728	26.4	124.5	514.7	1837	972350	2	972350	24.4	93.4	0	+∞	Si
336	1069846	3	1069846	26.8	124.5	523.1	1837	994872	2	994644	25	93.4	0	+∞	Si
362	1080776	3	1080776	27.1	124.5	528.4	1837	1015360	2	1014655	25.5	93.4	0	+∞	Si
387	1081051	9	1081051	27.1	124.5	528.6	1837	1023180	2	1021326	25.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
23	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
26	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.005	2	9999	Si
52	0.007	0.006	0.006	0.005	0.006	0.006	0.005	0.005	0.006	0.006	0.012	2	0.011	2	9999	Si
77	0.012	0.01	0.01	0.008	0.011	0.01	0.009	0.008	0.01	0.01	0.02	2	0.019	2	9999	Si
103	0.016	0.014	0.014	0.012	0.015	0.014	0.013	0.012	0.015	0.014	0.028	2	0.027	2	9999	Si
116	0.019	0.016	0.016	0.013	0.017	0.016	0.014	0.013	0.017	0.016	0.033	2	0.031	2	9999	Si
142	0.023	0.02	0.019	0.016	0.021	0.02	0.018	0.016	0.021	0.02	0.04	2	0.038	2	9569	Si
168	0.027	0.023	0.022	0.019	0.025	0.023	0.021	0.019	0.024	0.023	0.047	2	0.045	2	8229	Si
194	0.029	0.025	0.025	0.021	0.027	0.025	0.023	0.021	0.026	0.025	0.052	2	0.049	2	7472	Si
220	0.031	0.026	0.026	0.022	0.028	0.026	0.024	0.022	0.028	0.026	0.054	2	0.052	2	7125	Si
232	0.031	0.026	0.026	0.022	0.029	0.026	0.024	0.022	0.028	0.026	0.055	2	0.052	2	7080	Si
245	0.031	0.026	0.026	0.022	0.028	0.026	0.024	0.022	0.028	0.026	0.054	2	0.052	2	7119	Si
271	0.029	0.025	0.025	0.021	0.027	0.025	0.023	0.021	0.026	0.025	0.052	2	0.049	2	7489	Si
297	0.025	0.022	0.022	0.019	0.024	0.022	0.02	0.019	0.023	0.022	0.046	2	0.044	2	8416	Si
317	0.021	0.018	0.019	0.016	0.02	0.018	0.017	0.016	0.019	0.018	0.039	2	0.038	2	9867	Si
336	0.017	0.014	0.015	0.013	0.015	0.014	0.014	0.013	0.015	0.014	0.031	2	0.03	2	9999	Si
362	0.008	0.007	0.008	0.007	0.008	0.007	0.008	0.007	0.008	0.007	0.017	2	0.017	2	9999	Si

Trave a "Piano Terra" (1926; 3516)-29A

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x50	Rettangolare	30	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 36C - 25D, sezione R 30x50, asta 716

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	455887	LU 12	395063	644450	0.121						Si
9	7.6	5.4	7.6	5.4	412722	LU 12	387280	644450	0.121						Si
18	7.6	5.4	7.6	5.4	369176	LU 12	363933	644450	0.121						Si
25	7.6	5.4	7.6	5.4	332725	LU 12	332725	644450	0.121						Si
35	7.6	5.4	7.6	5.4	280944	LU 12	332725	644450	0.121						Si
40	7.6	5.4	7.6	5.4	258648	LU 12	332725	644450	0.121						Si
49	7.6	5.4	7.6	5.4	213771	LU 12	315173	644450	0.121						Si
57	7.6	5.4	7.6	5.4	168551	LU 11	270780	644450	0.121						Si
66	7.6	5.4	7.6	5.4	122957	LU 11	226006	644450	0.121						Si
75	7.6	5.4	7.6	5.4	76983	LU 11	180878	644450	0.121	51694	LU 4	-29126	-644450	0.121	Si
84	7.6	5.4	7.6	5.4	30975	LU 10	135388	644450	0.121	23211	LU 9	-76388	-644450	0.121	Si
93	7.6	5.4	7.6	5.4	-4586	LU 1	89518	644450	0.121	-16321	LU 12	-108773	-644450	0.121	Si
102	7.6	5.4	7.6	5.4	-33291	LU 1	43267	644450	0.121	-63480	LU 12	-108773	-644450	0.121	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
106	7.6	5.4	7.6	5.4	-47754	LU 1	22578	644450	0.121	-87202	LU 12	-108773	-644450	0.121	Si
110	7.6	5.4	7.6	5.4	-60918	LU 1	5860	644450	0.121	-108773	LU 12	-108773	-644450	0.121	Si
115	7.6	5.4	7.6	5.4						-134932	LU 12	-132075	-644450	0.121	Si
124	7.6	5.4	7.6	5.4						-183043	LU 12	-160172	-644450	0.121	Si
132	7.6	5.4	7.6	5.4						-231533	LU 12	-169538	-644450	0.121	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-4865	LU 12	-4865	-6101	-35398	0	-6101	1	Si
9	0	7.6	0	-4908	LU 12	-4908	-6101	-35398	0	-6101	1	Si
18	0	7.6	0	-4951	LU 12	-4951	-6101	-35398	0	-6101	1	Si
25	0.248	7.6	0	-4987	LU 12	-4987	-6101	-35398	-19907	-19907	1	Si
35	0.248	7.6	0	-5037	LU 12	-5037	-6101	-35398	-19907	-19907	1	Si
40	0.248	7.6	0	-5059	LU 12	-5059	-6101	-35398	-19907	-19907	1	Si
49	0.248	7.6	0	-5102	LU 12	-5102	-6101	-35398	-19907	-19907	1	Si
57	0.248	7.6	0	-5145	LU 12	-5145	-6101	-35398	-19907	-19907	1	Si
66	0.248	7.6	0	-5188	LU 12	-5188	-6101	-35398	-19907	-19907	1	Si
75	0.248	7.6	0	-5231	LU 12	-5231	-6101	-35398	-19907	-19907	1	Si
84	0.248	7.6	0	-5274	LU 12	-5274	-6101	-35398	-19907	-19907	1	Si
93	0.248	7.6	0	-5317	LU 12	-5317	-6101	-35398	-19907	-19907	1	Si
102	0.248	7.6	0	-5360	LU 12	-5360	-6101	-35398	-19907	-19907	1	Si
106	0.248	7.6	0	-5382	LU 12	-5382	-6101	-35398	-19907	-19907	1	Si
110	0.248	7.6	0	-5401	LU 12	-5401	-6101	-35398	-19907	-19907	1	Si
115	0	7.6	0	-5425	LU 12	-5425	-6101	-35398	0	-6101	1	Si
124	0	7.6	0	-5468	LU 12	-5468	-6101	-35398	0	-6101	1	Si
132	0	7.6	0	-5511	LU 12	-5511	-6101	-35398	0	-6101	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	341145	3	295786	27.7	124.5	974.7	1837	297701	2	258854	24.2	93.4	0	+∞	Si
9	308951	3	289978	27.1	124.5	955.6	1837	270109	2	253859	23.8	93.4	0	+∞	Si
18	276464	3	272553	25.5	124.5	898.1	1837	242223	2	238873	21.8	93.4	0	+∞	Si
25	249263	3	249263	23.3	124.5	821.4	1837	218843	2	218843	20.5	93.4	0	+∞	Si
35	210611	3	249263	23.3	124.5	821.4	1837	185575	2	218843	20.5	93.4	0	+∞	Si
40	193965	3	249263	23.3	124.5	821.4	1837	171230	2	218843	20.5	93.4	0	+∞	Si
49	160454	3	236162	22.1	124.5	778.2	1837	142321	2	207573	19.4	93.4	0	+∞	Si
57	126675	2	203023	19	124.5	669	1837	113119	2	179036	16.8	93.4	0	+∞	Si
66	92608	2	169591	15.9	124.5	558.8	1837	83624	2	150206	14.1	93.4	0	+∞	Si
75	58248	2	135884	12.7	124.5	447.8	1837	53837	2	121084	11.3	93.4	0	+∞	Si
84	23827	1	101897	9.5	124.5	335.8	1837	23827	1	91669	8.6	93.4	0	+∞	Si
93	-11492	3	-80638	7.5	124.5	265.7	1837	-6615	2	-66774	6.2	93.4	0	+∞	Si
102	-46759	3	-80638	7.5	124.5	265.7	1837	-37280	2	-66774	6.2	93.4	0	+∞	Si
106	-64502	3	-80638	7.5	124.5	265.7	1837	-52722	2	-66774	6.2	93.4	0	+∞	Si
110	-80638	3	-80638	7.5	124.5	265.7	1837	-66774	2	-66774	6.2	93.4	0	+∞	Si
115	-100208	3	-98070	9.2	124.5	323.2	1837	-83826	2	-81958	7.7	93.4	0	+∞	Si
124	-136206	3	-119088	11.1	124.5	391.8	1837	-115222	2	-100267	9.4	93.4	0	+∞	Si
132	-172497	3	-126095	11.8	124.5	415.5	1837	-146911	2	-106369	10	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
9	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
18	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.003	2	0.003	2	9999	Si
25	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
35	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
40	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
44	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
49	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
57	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
66	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
75	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
84	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	2	0.003	2	9999	Si
93	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
102	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
106	0	0	0.001	0	0	0	0.001	0	0	0	0.001	2	0.001	2	9999	Si
110	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
115	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
124	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Campata 2 tra i fili 25D - ?, sezione R 30x50, asta 717

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	937491	LU 11	668792	644450	0.121						No
4	7.6	5.4	7.6	5.4	845899	LU 11	660957	644450	0.121						No
8	7.6	5.4	7.6	5.4	754236	LU 11	637452	644450	0.121						Si
12	7.6	5.4	7.6	5.4	662501	LU 11	598277	644450	0.121						Si
15	7.6	5.4	7.6	5.4	570694	LU 11	543432	644450	0.121						Si
17	7.6	5.4	7.6	5.4	524764	LU 11	510133	644450	0.121						Si
21	7.6	5.4	7.6	5.4	432850	LU 11	431783	644450	0.121						Si
23	7.6	5.4	7.6	5.4	398861	LU 11	398861	644450	0.121						Si
25	7.6	5.4	7.6	5.4	340864	LU 11	398861	644450	0.121						Si
29	7.6	5.4	7.6	5.4	248806	LU 11	398861	644450	0.121						Si
33	7.6	5.4	7.6	5.4	158680	LU 11	398861	644450	0.121						Si
36	7.6	5.4	7.6	5.4	64477	LU 11	64477	644450	0.121						Si
40	7.6	5.4	7.6	5.4						-39584	LU 17	-15059	-644450	0.121	Si
44	7.6	5.4	7.6	5.4						-126306	LU 18	-64030	-644450	0.121	Si
46	7.6	5.4	7.6	5.4						-170671	LU 18	-86080	-644450	0.121	Si
50	7.6	5.4	7.6	5.4						-261946	LU 12	-120003	-644450	0.121	Si
54	7.6	5.4	7.6	5.4						-354607	LU 12	-140357	-644450	0.121	Si
58	7.6	5.4	7.6	5.4						-447340	LU 12	-147142	-644450	0.121	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-23920	LU 12	-23920	-6101	-35398	0	-6101	1	Si
4	0	7.6	0	-23939	LU 12	-23939	-6101	-35398	0	-6101	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
8	0	7.6	0	-23958	LU 12	-23958	-6101	-35398	0	-6101	1	Si
12	0	7.6	0	-23976	LU 12	-23976	-6101	-35398	0	-6101	1	Si
15	0	7.6	0	-23995	LU 12	-23995	-6101	-35398	0	-6101	1	Si
17	0	7.6	0	-24004	LU 12	-24004	-6101	-35398	0	-6101	1	Si
21	0	7.6	0	-24023	LU 12	-24023	-6101	-35398	0	-6101	1	Si
23	0.704	7.6	0	-24030	LU 12	-24030	-6101	-35398	-56403	-35398	1	Si
25	0.704	7.6	0	-24042	LU 12	-24042	-6101	-35398	-56403	-35398	1	Si
29	0.704	7.6	0	-24060	LU 12	-24060	-6101	-35398	-56403	-35398	1	Si
33	0.704	7.6	0	-24079	LU 12	-24079	-6101	-35398	-56403	-35398	1	Si
36	0	7.6	0	-24098	LU 12	-24098	-6101	-35398	0	-6101	1	Si
40	0	7.6	0	-24116	LU 12	-24116	-6101	-35398	0	-6101	1	Si
44	0	7.6	0	-24135	LU 12	-24135	-6101	-35398	0	-6101	1	Si
46	0	7.6	0	-24144	LU 12	-24144	-6101	-35398	0	-6101	1	Si
50	0	7.6	0	-24163	LU 12	-24163	-6101	-35398	0	-6101	1	Si
54	0	7.6	0	-24182	LU 12	-24182	-6101	-35398	0	-6101	1	Si
58	0	7.6	0	-24200	LU 12	-24200	-6101	-35398	0	-6101	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	704400	2	502309	47	124.5	1655.2	1837	628199	2	447043	41.8	93.4	0	+∞	Si
4	635512	2	496416	46.5	124.5	1635.8	1837	566445	2	441757	41.3	93.4	0	+∞	Si
8	566569	2	478736	44.8	124.5	1577.6	1837	504635	2	425900	39.9	93.4	0	+∞	Si
12	497572	2	449269	42	124.5	1480.5	1837	442771	2	399471	37.4	93.4	0	+∞	Si
15	428519	2	408015	38.2	124.5	1344.5	1837	380851	2	362471	33.9	93.4	0	+∞	Si
17	393972	2	382968	35.8	124.5	1262	1837	349870	2	340006	31.8	93.4	0	+∞	Si
21	324836	2	324034	30.3	124.5	1067.8	1837	287868	2	287149	26.9	93.4	0	+∞	Si
23	299271	2	299271	28	124.5	986.2	1837	264939	2	264939	24.8	93.4	0	+∞	Si
25	255646	2	299271	28	124.5	986.2	1837	225811	2	264939	24.8	93.4	0	+∞	Si
29	186400	2	299271	28	124.5	986.2	1837	163698	2	264939	24.8	93.4	0	+∞	Si
33	118606	2	299271	28	124.5	986.2	1837	102882	2	264939	24.8	93.4	0	+∞	Si
36	47743	2	47743	4.5	124.5	157.3	1837	39307	2	39307	3.7	93.4	0	+∞	Si
40	-29527	8	-10691	1	124.5	35.2	1837	-23529	1	-4885	0.5	93.4	0	+∞	Si
44	-95245	9	-48174	4.5	124.5	158.7	1837	-85303	2	-41514	3.9	93.4	0	+∞	Si
46	-128776	9	-64839	6.1	124.5	213.7	1837	-116491	2	-57011	5.3	93.4	0	+∞	Si
50	-197540	3	-90477	8.5	124.5	298.1	1837	-178906	2	-80852	7.6	93.4	0	+∞	Si
54	-267236	3	-105859	9.9	124.5	348.8	1837	-241377	2	-95156	8.9	93.4	0	+∞	Si
58	-336987	3	-110987	10.4	124.5	365.7	1837	-303903	2	-99925	9.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	inferiore	50.7	0.00048	0.0244	2	50.7	0.00046	0.0234	2	50.7	0.00044	0.0222	2	Si
4	inferiore	50.7	0.00048	0.0242	2	50.7	0.00045	0.023	2	50.7	0.00043	0.0217	2	Si
8	inferiore	50.7	0.00046	0.0233	2	50.7	0.00043	0.0217	2	50.7	0.00041	0.0207	2	Si
12	inferiore	50.7	0.00043	0.0219	2	50.7	0.0004	0.0201	2	50.7	0.00038	0.0194	2	Si
15	inferiore	50.7	0.00039	0.0199	2	50.7	0.00036	0.0183	2	50.7	0.00035	0.0176	2	Si
17	inferiore	50.7	0.00037	0.0186	2	50.7	0.00034	0.0171	2	50.7	0.00033	0.0165	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
4	0	0	0.001	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
8	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
12	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
15	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
17	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
21	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
23	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
25	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
29	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
33	0	0	0.001	0.001	0	0	0.001	0.001	0	0	0.002	2	0.002	2	9999	Si
36	0	0	0.001	0	0	0	0.001	0	0	0	0.001	2	0.001	2	9999	Si
40	0	0	0.001	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
44	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
46	0	0	0	0	0	0	0	0	0	0	0.001	1	0.001	1	9999	Si
50	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
54	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Campata 3 tra i fili ? - 29A, sezione R 30x50, asta 718

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	238816	LU 12	198466	644450	0.121						Si
9	7.6	5.4	7.6	5.4	210660	LU 12	193433	644450	0.121						Si
17	7.6	5.4	7.6	5.4	182135	LU 12	178333	644450	0.121						Si
25	7.6	5.4	7.6	5.4	156584	LU 12	156584	644450	0.121						Si
35	7.6	5.4	7.6	5.4	124196	LU 11	156584	644450	0.121						Si
39	7.6	5.4	7.6	5.4	109577	LU 11	156584	644450	0.121						Si
48	7.6	5.4	7.6	5.4	80061	LU 11	147865	644450	0.121						Si
56	7.6	5.4	7.6	5.4	50175	LU 11	118809	644450	0.121	29433	LU 8	-24032	-644450	0.121	Si
65	7.6	5.4	7.6	5.4	19919	LU 11	89410	644450	0.121	9634	LU 8	-54420	-644450	0.121	Si
74	7.6	5.4	7.6	5.4	-5645	LU 1	59641	644450	0.121	-14502	LU 18	-85377	-644450	0.121	Si
82	7.6	5.4	7.6	5.4	-24985	LU 1	29502	644450	0.121	-44773	LU 18	-117541	-644450	0.121	Si
91	7.6	5.4	7.6	5.4	-44611	LU 1	1301	644450	0.121	-75416	LU 18	-146038	-644450	0.121	Si
100	7.6	5.4	7.6	5.4						-107334	LU 12	-146038	-644450	0.121	Si
104	7.6	5.4	7.6	5.4						-123496	LU 12	-146038	-644450	0.121	Si
110	7.6	5.4	7.6	5.4						-146038	LU 12	-146038	-644450	0.121	Si
113	7.6	5.4	7.6	5.4						-156099	LU 12	-155422	-644450	0.121	Si
121	7.6	5.4	7.6	5.4						-189073	LU 12	-176660	-644450	0.121	Si
130	7.6	5.4	7.6	5.4						-222418	LU 12	-183739	-644450	0.121	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-3227	LU 12	-3227	-6101	-35398	0	-6101	1	Si
9	0	7.6	0	-3270	LU 12	-3270	-6101	-35398	0	-6101	1	Si
17	0	7.6	0	-3313	LU 12	-3313	-6101	-35398	0	-6101	1	Si
25	0.319	7.6	0	-3351	LU 12	-3351	-6101	-35398	-25595	-25595	1	Si
35	0.319	7.6	0	-3398	LU 12	-3398	-6101	-35398	-25595	-25595	1	Si
39	0.319	7.6	0	-3420	LU 12	-3420	-6101	-35398	-25595	-25595	1	Si
48	0.319	7.6	0	-3462	LU 12	-3462	-6101	-35398	-25595	-25595	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
56	0.319	7.6	0	-3505	LU 12	-3505	-6101	-35398	-25595	-25595	1	Si
65	0.319	7.6	0	-3548	LU 12	-3548	-6101	-35398	-25595	-25595	1	Si
74	0.319	7.6	0	-3591	LU 12	-3591	-6101	-35398	-25595	-25595	1	Si
82	0.319	7.6	0	-3633	LU 12	-3633	-6101	-35398	-25595	-25595	1	Si
91	0.319	7.6	0	-3676	LU 12	-3676	-6101	-35398	-25595	-25595	1	Si
100	0.319	7.6	0	-3719	LU 12	-3719	-6101	-35398	-25595	-25595	1	Si
104	0.319	7.6	0	-3740	LU 12	-3740	-6101	-35398	-25595	-25595	1	Si
110	0.319	7.6	0	-3770	LU 12	-3770	-6101	-35398	-25595	-25595	1	Si
113	0	7.6	0	-3783	LU 12	-3783	-6101	-35398	0	-6101	1	Si
121	0	7.6	0	-3826	LU 12	-3826	-6101	-35398	0	-6101	1	Si
130	0	7.6	0	-3869	LU 12	-3869	-6101	-35398	0	-6101	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	178844	3	148717	13.9	124.5	490.1	1837	156530	2	130636	12.2	93.4	0	+∞	Si
9	157818	3	144955	13.6	124.5	477.7	1837	138439	2	127382	11.9	93.4	0	+∞	Si
17	136507	3	133668	12.5	124.5	440.5	1837	120063	2	117622	11	93.4	0	+∞	Si
25	117411	3	117411	11	124.5	386.9	1837	103564	2	103564	9.7	93.4	0	+∞	Si
35	93179	2	117411	11	124.5	386.9	1837	82457	2	103564	9.7	93.4	0	+∞	Si
39	82234	2	117411	11	124.5	386.9	1837	72878	2	103564	9.7	93.4	0	+∞	Si
48	60130	2	110893	10.4	124.5	365.4	1837	53506	2	97925	9.2	93.4	0	+∞	Si
56	37741	2	89146	8.3	124.5	293.8	1837	33849	2	78928	7.4	93.4	0	+∞	Si
65	15068	2	67132	6.3	124.5	221.2	1837	13908	2	59646	5.6	93.4	0	+∞	Si
74	-10421	9	-63702	6	124.5	209.9	1837	-6319	2	-54261	5.1	93.4	0	+∞	Si
82	-33180	9	-87811	8.2	124.5	289.4	1837	-26830	2	-75432	7.1	93.4	0	+∞	Si
91	-56225	9	-109178	10.2	124.5	359.8	1837	-47626	2	-94224	8.8	93.4	0	+∞	Si
100	-80159	3	-109178	10.2	124.5	359.8	1837	-68708	2	-94224	8.8	93.4	0	+∞	Si
104	-92275	3	-109178	10.2	124.5	359.8	1837	-79355	2	-94224	8.8	93.4	0	+∞	Si
110	-109178	3	-109178	10.2	124.5	359.8	1837	-94224	2	-94224	8.8	93.4	0	+∞	Si
113	-116722	3	-116214	10.9	124.5	383	1837	-100864	2	-100417	9.4	93.4	0	+∞	Si
121	-141454	3	-132140	11.8	124.5	435.4	1837	-122659	2	-114433	10.7	93.4	0	+∞	Si
130	-166472	3	-137449	12.9	124.5	452.9	1837	-144738	2	-119106	11.1	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
9	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
17	0.001	0.001	0.001	0	0.001	0.001	0	0	0.001	0.001	0.001	2	0.001	2	9999	Si
25	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2	0.001	2	9999	Si
35	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2	0.001	2	9999	Si
39	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2	0.001	2	9999	Si
48	0.001	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
56	0.001	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
65	0	0	0	0	0	0	0	0	0	0	0.001	2	0.001	2	9999	Si
74	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
82	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
91	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si
100	0	0	0	0	0	0	0	0	0	0	0	1	-0.001	1	9999	Si
104	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
110	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
113	0	0	0	0	0	0	0	0	0	0	-0.001	1	-0.001	1	9999	Si
121	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Trave a "Piano Terra" (2251; 3666)-(3004; 3666)

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x60	Rettangolare	30	60	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - ?, sezione R 30x60, asta 723

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	78	LU 17	78	796256	0.099	-162	LU 2	-162	-796256	0.099	Si
11	7.6	5.4	7.6	5.4						-35258	LU 17	-35258	-796256	0.099	Si
21	7.6	5.4	7.6	5.4						-76323	LU 18	-76323	-796256	0.099	Si
30	7.6	5.4	7.6	5.4						-114955	LU 18	-248472	-796256	0.099	Si
43	7.6	5.4	7.6	5.4						-178939	LU 12	-330400	-796256	0.099	Si
48	7.6	5.4	7.6	5.4	-147524	LU 1	12379	796256	0.099	-209131	LU 12	-367353	-796256	0.099	Si
59	7.6	5.4	7.6	5.4	-189675	LU 1	37338	796256	0.099	-273919	LU 12	-445664	-796256	0.099	Si
69	7.6	5.4	7.6	5.4	-234811	LU 1	53491	796256	0.099	-344577	LU 12	-529845	-796256	0.099	Si
80	7.6	5.4	7.6	5.4	-282931	LU 1	60838	796256	0.099	-421106	LU 12	-619897	-796256	0.099	Si
91	7.6	5.4	7.6	5.4	-334037	LU 1	59379	796256	0.099	-503506	LU 12	-715819	-796256	0.099	Si
101	7.6	5.4	7.6	5.4	-388127	LU 1	49114	796256	0.099	-591776	LU 12	-817612	-796256	0.099	No
112	7.6	5.4	7.6	5.4	-445202	LU 1	30043	796256	0.099	-685917	LU 12	-925276	-796256	0.099	No
123	7.6	5.4	7.6	5.4	-505261	LU 1	2167	796256	0.099	-785929	LU 12	-1014454	-796256	0.099	No
128	7.6	5.4	7.6	5.4						-838136	LU 12	-1014454	-796256	0.099	No
139	7.6	5.4	7.6	5.4						-946954	LU 12	-1014454	-796256	0.099	No
145	7.6	5.4	7.6	5.4						-1014454	LU 12	-1014454	-796256	0.099	No
149	7.6	5.4	7.6	5.4						-1061642	LU 12	-1054507	-796256	0.099	No
160	7.6	5.4	7.6	5.4						-1182201	LU 12	-1095481	-796256	0.099	No

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-3087	LU 17	-3087	-6713	-43335	0	-6713	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
11	0	7.6	0	-3575	LU 18	-3575	-6713	-43335	0	-6713	1	Si
21	0	7.6	0	-4191	LU 12	-4191	-6713	-43335	0	-6713	1	Si
30	0.131	7.6	0	-4744	LU 12	-4744	-6713	-43335	-12866	-12866	1	Si
43	0.131	7.6	0	-5523	LU 12	-5523	-6713	-43335	-12866	-12866	1	Si
48	0.131	7.6	0	-5799	LU 12	-5799	-6713	-43335	-12866	-12866	1	Si
59	0.131	7.6	0	-6349	LU 12	-6349	-6713	-43335	-12866	-12866	1	Si
69	0.131	7.6	0	-6899	LU 12	-6899	-6713	-43335	-12866	-12866	1	Si
80	0.131	7.6	0	-7450	LU 12	-7450	-6713	-43335	-12866	-12866	1	Si
91	0.131	7.6	0	-8000	LU 12	-8000	-6713	-43335	-12866	-12866	1	Si
101	0.131	7.6	0	-8551	LU 12	-8551	-6713	-43335	-12866	-12866	1	Si
112	0.131	7.6	0	-9101	LU 12	-9101	-6713	-43335	-12866	-12866	1	Si
123	0.131	7.6	0	-9651	LU 12	-9651	-6713	-43335	-12866	-12866	1	Si
128	0.131	7.6	0	-9926	LU 12	-9926	-6713	-43335	-12866	-12866	1	Si
139	0.131	7.6	0	-10477	LU 12	-10477	-6713	-43335	-12866	-12866	1	Si
145	0.131	7.6	0	-10804	LU 12	-10804	-6713	-43335	-12866	-12866	1	Si
149	0	7.6	0	-11027	LU 12	-11027	-6713	-43335	0	-6713	1	Si
160	0	7.6	0	-11578	LU 12	-11578	-6713	-43335	0	-6713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	57	8	57	0	124.5	0.2	1837	39	1	39	0	93.4	0	+∞	Si
0	-95	2	-95	0	124.5	0.3	1837	-1	2	-1	0	93.4	0	+∞	Si
11	-27012	8	-27012	1.8	124.5	71.8	1837	-26301	1	-26301	1.8	93.4	0	+∞	Si
21	-58396	9	-58396	3.9	124.5	155.2	1837	-56610	2	-56610	3.8	93.4	0	+∞	Si
30	-87785	9	-188742	12.7	124.5	501.7	1837	-84527	2	-177610	12	93.4	0	+∞	Si
43	-136301	3	-250372	16.9	124.5	665.5	1837	-129991	2	-232854	15.7	93.4	0	+∞	Si
48	-159091	3	-278127	18.8	124.5	739.3	1837	-150772	2	-257532	17.4	93.4	0	+∞	Si
59	-207902	3	-336871	22.8	124.5	895.4	1837	-194871	2	-309423	20.9	93.4	0	+∞	Si
69	-261026	3	-399926	27	124.5	1063	1837	-242354	2	-364698	24.6	93.4	0	+∞	Si
80	-318462	3	-467294	31.6	124.5	1242.1	1837	-293219	2	-423356	28.6	93.4	0	+∞	Si
91	-380209	3	-538973	36.4	124.5	1432.6	1837	-347467	2	-485396	32.8	93.4	0	+∞	Si
101	-446268	3	-614964	41.5	124.5	1634.6	1837	-405098	2	-550820	37.2	93.4	0	+∞	Si
112	-516638	3	-695266	47	124.5	1848	1837	-466112	2	-619626	41.9	93.4	0	+∞	No
123	-591321	3	-761734	51.4	124.5	2024.7	1837	-530509	2	-676361	45.7	93.4	0	+∞	No
128	-630279	3	-761734	51.4	124.5	2024.7	1837	-563976	2	-676361	45.7	93.4	0	+∞	No
139	-711429	3	-761734	51.4	124.5	2024.7	1837	-633448	2	-676361	45.7	93.4	0	+∞	No
145	-761734	3	-761734	51.4	124.5	2024.7	1837	-676361	2	-676361	45.7	93.4	0	+∞	No
149	-796891	3	-791578	53.5	124.5	2104	1837	-706302	2	-701793	47.4	93.4	0	+∞	No
160	-886664	3	-822109	55.5	124.5	2185.2	1837	-782539	2	-727810	49.2	93.4	0	+∞	No

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
91	superiore	54.5	0.00042	0.0227	3	54.5	0.00039	0.0211	2	54.5	0.00038	0.0205	2	Si
101	superiore	54.5	0.00048	0.0259	3	54.5	0.00044	0.024	2	54.5	0.00043	0.0232	2	Si
112	superiore	54.5	0.00054	0.0293	3	54.5	0.00053	0.0287	2	54.5	0.0005	0.0272	2	Si
123	superiore	54.5	0.00059	0.0321	3	54.5	0.0006	0.0328	2	54.5	0.00057	0.0312	2	No
128	superiore	54.5	0.00059	0.0321	3	54.5	0.0006	0.0328	2	54.5	0.00057	0.0312	2	No
139	superiore	54.5	0.00059	0.0321	3	54.5	0.0006	0.0328	2	54.5	0.00057	0.0312	2	No
145	superiore	54.5	0.00059	0.0321	3	54.5	0.0006	0.0328	2	54.5	0.00057	0.0312	2	No
149	superiore	54.5	0.00061	0.0334	3	54.5	0.00064	0.0347	2	54.5	0.00061	0.033	2	No
160	superiore	54.5	0.00064	0.0347	3	54.5	0.00067	0.0366	2	54.5	0.00064	0.0348	2	No

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
11	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.003	1	9999	Si
21	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	1	-0.005	1	9999	Si
30	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.007	1	-0.007	1	9999	Si
43	-0.003	-0.004	-0.004	-0.004	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.009	1	-0.01	1	9999	Si
48	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.011	1	9999	Si
59	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.012	1	-0.013	1	9999	Si
69	-0.005	-0.006	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.014	1	-0.015	1	9999	Si
80	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.015	1	-0.016	1	9999	Si
91	-0.006	-0.007	-0.006	-0.007	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.016	1	-0.017	1	9999	Si
101	-0.006	-0.007	-0.006	-0.008	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.016	1	-0.017	1	9999	Si
112	-0.006	-0.006	-0.006	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.015	1	-0.017	1	9999	Si
123	-0.005	-0.006	-0.005	-0.007	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.014	1	-0.016	1	9999	Si
128	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.005	-0.006	-0.005	-0.005	-0.013	1	-0.015	1	9999	Si
139	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	1	-0.011	1	9999	Si
145	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	1	-0.009	1	9999	Si
149	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.006	1	-0.007	1	9999	Si

Campata 2 tra i fili ? - ?, sezione R 30x60, asta 722

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-1478289	LU 12	-1380206	-796256	0.099	No
15	7.6	5.4	7.6	5.4						-1284914	LU 12	-1284914	-796256	0.099	No
40	7.6	5.4	7.6	5.4						-983035	LU 12	-1284914	-796256	0.099	No
79	7.6	5.4	7.6	5.4						-544514	LU 12	-811806	-796256	0.099	No
119	7.6	5.4	7.6	5.4	-111371	LU 2	60509	796256	0.099	-222767	LU 17	-402771	-796256	0.099	Si
138	7.6	5.4	7.6	5.4	29167	LU 2	199642	796256	0.099	-96741	LU 17	-255933	-796256	0.099	Si
178	7.6	5.4	7.6	5.4	306393	LU 11	460784	796256	0.099	93153	LU 8	-10027	-796256	0.099	Si
217	7.6	5.4	7.6	5.4	546076	LU 11	665192	796256	0.099						Si
257	7.6	5.4	7.6	5.4	729025	LU 11	812866	796256	0.099						No
296	7.6	5.4	7.6	5.4	855241	LU 11	903807	796256	0.099						No
336	7.6	5.4	7.6	5.4	924723	LU 11	938190	796256	0.099						No
375	7.6	5.4	7.6	5.4	937472	LU 11	938190	796256	0.099						No
415	7.6	5.4	7.6	5.4	893488	LU 11	926200	796256	0.099						No
435	7.6	5.4	7.6	5.4	850220	LU 11	900570	796256	0.099						No
474	7.6	5.4	7.6	5.4	721135	LU 11	806760	796256	0.099						No
514	7.6	5.4	7.6	5.4	535317	LU 11	656217	796256	0.099						Si
545	7.6	5.4	7.6	5.4	344632	LU 11	495076	796256	0.099						Si
553	7.6	5.4	7.6	5.4	292765	LU 11	292765	796256	0.099						Si
593	7.6	5.4	7.6	5.4						-6482	LU 11	-6482	-796256	0.099	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	13251	LU 12	13251	6713	43335	0	6713	1	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
15	0.168	7.6	0	12706	LU 12	12706	6713	43335	16440	16440	1	Si
40	0.168	7.6	0	11815	LU 12	11815	6713	43335	16440	16440	1	Si
79	0.132	7.6	0	10379	LU 12	10379	6713	43335	12984	12984	1	Si
119	0.132	7.6	0	8944	LU 12	8944	6713	43335	12984	12984	1	Si
138	0.132	7.6	0	8226	LU 12	8226	6713	43335	12984	12984	1	Si
178	0.132	7.6	0	6790	LU 12	6790	6713	43335	12984	12984	1	Si
217	0.132	7.6	0	5354	LU 12	5354	6713	43335	12984	12984	1	Si
257	0.132	7.6	0	3919	LU 12	3919	6713	43335	12984	12984	1	Si
296	0.132	7.6	0	2483	LU 12	2483	6713	43335	12984	12984	1	Si
336	0.132	7.6	0	1047	LU 12	1047	6713	43335	12984	12984	1	Si
375	0.132	7.6	0	-395	LU 11	-395	-6713	-43335	-12984	-12984	1	Si
415	0.132	7.6	0	-1831	LU 11	-1831	-6713	-43335	-12984	-12984	1	Si
435	0.132	7.6	0	-2549	LU 11	-2549	-6713	-43335	-12984	-12984	1	Si
474	0.132	7.6	0	-3984	LU 11	-3984	-6713	-43335	-12984	-12984	1	Si
514	0.05	7.6	0	-5420	LU 11	-5420	-6713	-43335	-4932	-6713	1	Si
545	0.05	7.6	0	-6566	LU 11	-6566	-6713	-43335	-4932	-6713	1	Si
553	0	7.6	0	-6856	LU 11	-6856	-6713	-43335	0	-6713	1	Si
593	0	7.6	0	-8238	LU 11	-8238	-6713	-43335	0	-6713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1106001	3	-1033252	69.8	124.5	2746.4	1837	-963485	2	-903030	61	93.4	0	+∞	No
15	-962568	3	-962568	65	124.5	2558.5	1837	-844271	2	-844271	57	93.4	0	+∞	No
40	-738634	3	-962568	65	124.5	2558.5	1837	-658045	2	-844271	57	93.4	0	+∞	No
79	-413260	3	-611595	41.3	124.5	1625.6	1837	-387095	2	-552300	37.3	93.4	0	+∞	Si
119	-169905	8	-307456	20.8	124.5	817.2	1837	-160453	1	-294396	19.9	93.4	0	+∞	Si
138	-73023	8	-195402	13.2	124.5	519.4	1837	-63969	1	-185854	12.6	93.4	0	+∞	Si
178	218334	2	333116	22.5	124.5	885.4	1837	139380	2	236049	15.9	93.4	0	+∞	Si
217	396554	2	485226	32.8	124.5	1289.7	1837	289611	2	364834	24.6	93.4	0	+∞	Si
257	532782	2	595344	40.2	124.5	1581.8	1837	405350	2	459129	31	93.4	0	+∞	Si
296	627017	2	663470	44.8	124.5	1763.5	1837	486598	2	518932	35	93.4	0	+∞	Si
336	679259	2	689633	46.6	124.5	1833.1	1837	533355	2	544244	36.8	93.4	0	+∞	Si
375	689509	2	689633	46.6	124.5	1833.1	1837	545622	2	545622	36.9	93.4	0	+∞	Si
415	657766	2	681473	46	124.5	1811.4	1837	523397	2	540477	36.5	93.4	0	+∞	Si
435	626148	2	662910	44.8	124.5	1762	1837	499350	2	527153	35.6	93.4	0	+∞	Si
474	531417	2	594288	40.1	124.5	1579.6	1837	425388	2	474636	32.1	93.4	0	+∞	Si
514	394693	2	483673	32.7	124.5	1285.6	1837	316935	2	387629	26.2	93.4	0	+∞	Si
545	254202	2	365051	24.7	124.5	970.3	1837	204611	2	293266	19.8	93.4	0	+∞	Si
553	215976	2	215976	14.6	124.5	574.1	1837	173991	2	173991	11.8	93.4	0	+∞	Si
593	-4704	2	-4704	0.3	124.5	12.5	1837	-3422	2	-3422	0.2	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	54.5	0.00088	0.0481	3	54.5	0.00091	0.0497	2	54.5	0.00086	0.0471	2	No
15	superiore	54.5	0.00079	0.0431	3	54.5	0.00083	0.0453	2	54.5	0.00079	0.043	2	No
40	superiore	54.5	0.00079	0.0431	3	54.5	0.00083	0.0453	2	54.5	0.00079	0.043	2	No
79	superiore	54.5	0.00047	0.0258	3	54.5	0.00044	0.024	2	54.5	0.00043	0.0233	2	Si
257	inferiore	54.5	0.00046	0.0251	2	54.5	0.00039	0.021	2	54.5	0.00036	0.0194	2	Si
296	inferiore	54.5	0.00051	0.028	2	54.5	0.00043	0.0236	2	54.5	0.0004	0.0219	2	Si
336	inferiore	54.5	0.00053	0.0291	2	54.5	0.00046	0.0248	2	54.5	0.00042	0.0229	2	Si
375	inferiore	54.5	0.00053	0.0291	2	54.5	0.00046	0.0249	2	54.5	0.00042	0.023	2	Si
415	inferiore	54.5	0.00053	0.0287	2	54.5	0.00045	0.0245	2	54.5	0.00042	0.0228	2	Si
435	inferiore	54.5	0.00051	0.028	2	54.5	0.00044	0.0239	2	54.5	0.00041	0.0222	2	Si
474	inferiore	54.5	0.00046	0.0251	2	54.5	0.00039	0.0215	2	54.5	0.00037	0.02	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.003	0.001	0.001	-0.002	0.002	0.001	-0.001	-0.002	0.001	0.001	-0.002	2	-0.004	2	9999	Si
40	0.01	0.003	0.007	-0.001	0.007	0.004	0.003	0	0.006	0.004	0.005	2	-0.002	2	9999	Si
79	0.027	0.013	0.026	0.007	0.02	0.014	0.015	0.008	0.018	0.014	0.035	2	0.018	2	9999	Si
119	0.048	0.026	0.05	0.018	0.038	0.027	0.031	0.02	0.034	0.027	0.075	2	0.047	2	7879	Si
138	0.059	0.033	0.062	0.025	0.047	0.034	0.04	0.026	0.042	0.035	0.097	2	0.063	2	6117	Si
178	0.081	0.048	0.086	0.038	0.065	0.05	0.057	0.039	0.059	0.05	0.14	2	0.095	2	4219	Si
217	0.101	0.062	0.109	0.05	0.082	0.063	0.074	0.051	0.075	0.064	0.181	2	0.126	2	3273	Si
257	0.116	0.073	0.128	0.06	0.096	0.075	0.087	0.061	0.087	0.075	0.215	2	0.151	2	2752	Si
296	0.126	0.081	0.141	0.067	0.104	0.082	0.096	0.068	0.096	0.083	0.241	2	0.168	2	2461	Si
336	0.13	0.084	0.147	0.07	0.108	0.086	0.1	0.072	0.099	0.086	0.254	2	0.176	2	2331	Si
356	0.129	0.084	0.147	0.071	0.107	0.086	0.1	0.072	0.099	0.086	0.255	2	0.177	2	2326	Si
375	0.126	0.083	0.144	0.07	0.105	0.084	0.099	0.071	0.097	0.084	0.251	2	0.174	2	2363	Si
415	0.116	0.077	0.132	0.065	0.097	0.078	0.091	0.066	0.089	0.078	0.23	2	0.161	2	2580	Si
435	0.108	0.072	0.122	0.06	0.09	0.073	0.084	0.061	0.083	0.073	0.213	2	0.151	2	2783	Si
474	0.087	0.058	0.098	0.049	0.073	0.059	0.068	0.05	0.068	0.059	0.171	2	0.123	2	3465	Si
514	0.062	0.041	0.068	0.035	0.052	0.042	0.048	0.036	0.048	0.042	0.12	2	0.088	2	4944	Si
545	0.038	0.025	0.042	0.022	0.032	0.026	0.03	0.022	0.029	0.026	0.074	2	0.054	2	8013	Si
553	0.032	0.021	0.035	0.018	0.027	0.022	0.025	0.018	0.025	0.022	0.062	2	0.045	2	9588	Si

Trave a "Piano Terra" (2291; 4226)-(2666; 4226)

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x50	Rettangolare	30	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 15A - 15, sezione R 30x50, asta 726

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4						-1115308	LU 12	-935259	-942903	0.129	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
27	11.4	5.4	15.21	5.4						-977434	LU 12	-909978	-942903	0.129	Si
54	11.4	5.4	15.21	5.4						-843152	LU 12	-834132	-942903	0.129	Si
70	11.4	5.4	15.21	5.4						-767095	LU 12	-767095	-942903	0.129	Si
81	11.4	5.4	15.21	5.4						-712462	LU 12	-767095	-942903	0.129	Si
109	11.4	5.4	13.39	5.4						-585362	LU 12	-679113	-943016	0.13	Si
122	11.4	5.4	11.4	5.4	-323257	LU 1	8443	943145	0.131	-523159	LU 12	-615582	-943145	0.131	Si
149	11.4	5.4	11.4	5.4	-245900	LU 1	23771	943145	0.131	-401446	LU 12	-491213	-943145	0.131	Si
176	11.4	5.4	11.4	5.4	-171307	LU 1	33712	943145	0.131	-283325	LU 12	-370436	-943145	0.131	Si
204	11.4	5.4	11.4	5.4	-99476	LU 1	38266	943145	0.131	-168794	LU 12	-253251	-943145	0.131	Si
231	11.4	5.4	11.4	5.4	-30407	LU 1	37433	943145	0.131	-57855	LU 12	-139656	-943145	0.131	Si
258	11.4	5.4	11.4	5.4	50206	LU 18	126450	943145	0.131	35899	LU 1	-29653	-943145	0.131	Si
285	11.4	5.4	11.4	5.4	153249	LU 12	227551	943145	0.131						Si
312	11.4	5.4	11.4	5.4	253414	LU 12	325060	943145	0.131						Si
326	11.4	5.4	11.4	5.4	302150	LU 12	372469	943145	0.131						Si
353	11.4	5.4	11.4	5.4	396929	LU 12	464592	943145	0.131						Si
375	11.4	5.4	11.4	5.4	470290	LU 12	470290	943145	0.131						Si
380	11.4	5.4	11.4	5.4	488116	LU 12	486612	943145	0.131						Si
407	11.4	5.4	11.4	5.4	575712	LU 12	524235	943145	0.131						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	11.4	0	5146	LU 12	5146	6984	35398	0	6984	1	Si
27	0	11.4	0	5014	LU 12	5014	6984	35398	0	6984	1	Si
54	0	11.4	0	4881	LU 12	4881	6984	35398	0	6984	1	Si
70	0.201	11.4	0	4805	LU 12	4805	6984	35398	16115	16115	1	Si
81	0.201	11.4	0	4749	LU 12	4749	6984	35398	16115	16115	1	Si
109	0.201	11.4	0	4617	LU 12	4617	6984	35398	16115	16115	1	Si
122	0.187	11.4	0	4551	LU 12	4551	6984	35398	14964	14964	1	Si
149	0.187	11.4	0	4418	LU 12	4418	6984	35398	14964	14964	1	Si
176	0.187	11.4	0	4286	LU 12	4286	6984	35398	14964	14964	1	Si
204	0.187	11.4	0	4154	LU 12	4154	6984	35398	14964	14964	1	Si
231	0.187	11.4	0	4021	LU 12	4021	6984	35398	14964	14964	1	Si
258	0.187	11.4	0	3889	LU 12	3889	6984	35398	14964	14964	1	Si
285	0.187	11.4	0	3757	LU 12	3757	6984	35398	14964	14964	1	Si
312	0.187	11.4	0	3624	LU 12	3624	6984	35398	14964	14964	1	Si
326	0.181	11.4	0	3558	LU 12	3558	6984	35398	14504	14504	1	Si
353	0.181	11.4	0	3426	LU 12	3426	6984	35398	14504	14504	1	Si
375	0.181	11.4	0	3320	LU 12	3320	6984	35398	14504	14504	1	Si
380	0	11.4	0	3294	LU 12	3294	6984	35398	0	6984	1	Si
407	0	11.4	0	3161	LU 12	3161	6984	35398	0	6984	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-837611	3	-701910	49.5	124.5	1555.8	1837	-743956	2	-621157	43.8	93.4	0	+∞	Si
27	-733724	3	-682883	48.1	124.5	1513.6	1837	-650074	2	-604070	42.6	93.4	0	+∞	Si
54	-632599	3	-625802	44.1	124.5	1387.1	1837	-558955	2	-552808	39	93.4	0	+∞	Si
70	-575350	3	-575350	40.6	124.5	1275.3	1837	-507500	2	-507500	35.8	93.4	0	+∞	Si
81	-534237	3	-575350	40.6	124.5	1275.3	1837	-470599	2	-507500	35.8	93.4	0	+∞	Si
109	-438637	3	-509149	37.1	124.5	1129.8	1837	-385004	2	-448118	32.6	93.4	0	+∞	Si
122	-391873	3	-461364	34.8	124.5	1025.4	1837	-343243	2	-405335	30.6	93.4	0	+∞	Si
149	-300417	3	-367865	27.8	124.5	817.6	1837	-261793	2	-321842	24.3	93.4	0	+∞	Si
176	-211724	3	-277129	20.9	124.5	615.9	1837	-183105	2	-241111	18.2	93.4	0	+∞	Si
204	-125793	3	-189155	14.3	124.5	420.4	1837	-107179	2	-163143	12.3	93.4	0	+∞	Si
231	-42625	3	-103944	7.9	124.5	231	1837	-34016	2	-87937	6.6	93.4	0	+∞	Si
258	38257	9	95375	7.2	124.5	212	1837	36384	2	86580	6.5	93.4	0	+∞	Si
285	115425	3	170976	12.9	124.5	380	1837	104022	2	152175	11.5	93.4	0	+∞	Si
312	190306	3	243814	18.4	124.5	541.9	1837	168898	2	215008	16.2	93.4	0	+∞	Si
326	226711	3	279198	21.1	124.5	620.5	1837	200300	2	245388	18.5	93.4	0	+∞	Si
353	297448	3	347892	26.3	124.5	773.2	1837	261032	2	304077	23	93.4	0	+∞	Si
375	352139	3	352139	26.6	124.5	782.6	1837	307693	2	307693	23.2	93.4	0	+∞	Si
380	365423	3	364301	27.5	124.5	809.6	1837	319001	2	318042	24	93.4	0	+∞	Si
407	430635	3	392336	29.6	124.5	871.9	1837	374208	2	341899	25.8	93.4	0	+∞	Si

Verifica di apertura delle fessure

x	Bordo	Rara				Frequente				Quasi permanente				Verifica
		Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	Dmax	Esm	Wd	Comb	
0	superiore	38	0.00045	0.0172	3	38	0.00049	0.0186	2	38	0.00047	0.0177	2	Si
27	superiore	38	0.00044	0.0167	3	38	0.00047	0.0178	2	38	0.00045	0.017	2	Si
54	superiore	38	0.0004	0.0153	3	38	0.00041	0.0157	2	38	0.00039	0.0149	2	Si
70	superiore	38	0.00037	0.0141	3	38	0.00036	0.0138	2	38	0.00034	0.013	2	Si
81	superiore	38	0.00037	0.0141	3	38	0.00036	0.0138	2	38	0.00034	0.013	2	Si
109	superiore	37.8	0.00033	0.0124	3	37.8	0.0003	0.0113	2	37.8	0.00029	0.0109	2	Si
122	superiore	37.5	0.0003	0.0112	3	37.5	0.00027	0.0102	2	37.5	0.00026	0.0098	2	Si

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
27	-0.011	-0.014	-0.017	-0.024	-0.011	-0.013	-0.017	-0.02	-0.011	-0.012	-0.038	1	-0.042	1	9999	Si
54	-0.022	-0.027	-0.027	-0.038	-0.022	-0.024	-0.027	-0.032	-0.022	-0.023	-0.062	1	-0.068	1	6596	Si
70	-0.026	-0.032	-0.03	-0.043	-0.026	-0.029	-0.03	-0.036	-0.026	-0.028	-0.07	1	-0.078	1	5807	Si
81	-0.029	-0.035	-0.032	-0.046	-0.029	-0.032	-0.032	-0.038	-0.029	-0.03	-0.074	1	-0.082	1	5495	Si
109	-0.032	-0.039	-0.034	-0.048	-0.032	-0.035	-0.034	-0.04	-0.032	-0.034	-0.078	1	-0.087	1	5215	Si
122	-0.032	-0.039	-0.034	-0.047	-0.032	-0.035	-0.034	-0.04	-0.032	-0.034	-0.078	1	-0.087	1	5224	Si
149	-0.031	-0.038	-0.032	-0.045	-0.031	-0.034	-0.032	-0.038	-0.031	-0.033	-0.074	1	-0.082	1	5494	Si
176	-0.028	-0.034	-0.029	-0.04	-0.028	-0.031	-0.029	-0.034	-0.028	-0.029	-0.067	1	-0.074	1	6121	Si
204	-0.023	-0.029	-0.025	-0.035	-0.023	-0.026	-0.025	-0.029	-0.023	-0.025	-0.056	1	-0.063	1	7231	Si
231	-0.018	-0.022	-0.019	-0.028	-0.018	-0.02	-0.019	-0.023	-0.018	-0.019	-0.045	1	-0.05	1	9136	Si
258	-0.012	-0.015	-0.014	-0.021	-0.012	-0.014	-0.014	-0.017	-0.012	-0.013	-0.032	1	-0.037	1	9999	Si
285	-0.007	-0.009	-0.009	-0.014	-0.007	-0.008	-0.009	-0.011	-0.007	-0.007	-0.021	1	-0.024	1	9999	Si
312	-0.002	-0.003	-0.004	-0.008	-0.002	-0.003	-0.004	-0.006	-0.002	-0.003	-0.011	1	-0.013	1	9999	Si
326	-0.001	-0.001	-0.003	-0.005	-0.001	-0.001	-0.003	-0.004	-0.001	-0.001	-0.006	1	-0.008	1	9999	Si
353	0.002	0.002	0	-0.001	0.002	0.002	0	-0.001	0.002	0.002	0	2	-0.001	2	9999	Si
375	0.002	0.002	0.001	0	0.002	0.002	0.001	0.001	0.002	0.002	0.002	2	0.002	2	9999	Si
380	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.002	2	0.002	2	9999	Si

Trave a "Piano Terra" (2396; 3201)-37

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x60	Rettangolare	30	60	3.5	3.5	3.5

Output campate

Campata 1 tra i fili ? - ?, sezione R 30x60, asta 721

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4	370	LU 17	370	796256	0.099						Si
11	7.6	5.4	7.6	5.4						-20134	LU 17	-20134	-796256	0.099	Si
23	7.6	5.4	7.6	5.4						-41453	LU 17	-41453	-796256	0.099	Si
25	7.6	5.4	7.6	5.4						-45959	LU 17	-95088	-796256	0.099	Si
34	7.6	5.4	7.6	5.4						-63524	LU 17	-113972	-796256	0.099	Si
45	7.6	5.4	7.6	5.4	-59401	LU 2	349	796256	0.099	-86346	LU 17	-138423	-796256	0.099	Si
51	7.6	5.4	7.6	5.4	-67517	LU 2	2312	796256	0.099	-98038	LU 17	-150931	-796256	0.099	Si
62	7.6	5.4	7.6	5.4	-84182	LU 2	5391	796256	0.099	-121987	LU 17	-176508	-796256	0.099	Si
74	7.6	5.4	7.6	5.4	-101425	LU 2	7343	796256	0.099	-146688	LU 17	-202838	-796256	0.099	Si
85	7.6	5.4	7.6	5.4	-119247	LU 2	8168	796256	0.099	-172139	LU 17	-229919	-796256	0.099	Si
96	7.6	5.4	7.6	5.4	-137646	LU 2	7867	796256	0.099	-198343	LU 17	-257751	-796256	0.099	Si
108	7.6	5.4	7.6	5.4	-156623	LU 2	6438	796256	0.099	-225297	LU 17	-286334	-796256	0.099	Si
119	7.6	5.4	7.6	5.4	-176178	LU 2	3890	796256	0.099	-253003	LU 17	-315669	-796256	0.099	Si
130	7.6	5.4	7.6	5.4	-196312	LU 2	219	796256	0.099	-281460	LU 17	-345756	-796256	0.099	Si
136	7.6	5.4	7.6	5.4						-295971	LU 17	-346016	-796256	0.099	Si
147	7.6	5.4	7.6	5.4						-325555	LU 17	-346016	-796256	0.099	Si
155	7.6	5.4	7.6	5.4						-346016	LU 17	-346016	-796256	0.099	Si
159	7.6	5.4	7.6	5.4						-355891	LU 17	-354669	-796256	0.099	Si
170	7.6	5.4	7.6	5.4						-386978	LU 17	-366179	-796256	0.099	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	-1735	LU 17	-1735	-6713	-43335	0	-6713	1	Si
11	0	7.6	0	-1848	LU 17	-1848	-6713	-43335	0	-6713	1	Si
23	0	7.6	0	-1914	LU 17	-1914	-6713	-43335	0	-6713	1	Si
25	0.046	7.6	0	-1928	LU 17	-1928	-6713	-43335	-4553	-6713	1	Si
34	0.046	7.6	0	-1981	LU 17	-1981	-6713	-43335	-4553	-6713	1	Si
45	0.046	7.6	0	-2047	LU 17	-2047	-6713	-43335	-4553	-6713	1	Si
51	0.046	7.6	0	-2080	LU 17	-2080	-6713	-43335	-4553	-6713	1	Si
62	0.046	7.6	0	-2146	LU 17	-2146	-6713	-43335	-4553	-6713	1	Si
74	0.046	7.6	0	-2213	LU 17	-2213	-6713	-43335	-4553	-6713	1	Si
85	0.046	7.6	0	-2279	LU 17	-2279	-6713	-43335	-4553	-6713	1	Si
96	0.046	7.6	0	-2345	LU 17	-2345	-6713	-43335	-4553	-6713	1	Si
108	0.046	7.6	0	-2411	LU 17	-2411	-6713	-43335	-4553	-6713	1	Si
119	0.046	7.6	0	-2478	LU 17	-2478	-6713	-43335	-4553	-6713	1	Si
130	0.046	7.6	0	-2544	LU 17	-2544	-6713	-43335	-4553	-6713	1	Si
136	0.046	7.6	0	-2577	LU 17	-2577	-6713	-43335	-4553	-6713	1	Si
147	0.046	7.6	0	-2644	LU 17	-2644	-6713	-43335	-4553	-6713	1	Si
155	0.046	7.6	0	-2688	LU 17	-2688	-6713	-43335	-4553	-6713	1	Si
159	0	7.6	0	-2710	LU 17	-2710	-6713	-43335	0	-6713	1	Si
170	0	7.6	0	-2776	LU 17	-2776	-6713	-43335	0	-6713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	283	8	283	0	124.5	0.8	1837	273	1	273	0	93.4	0	+∞	Si
11	-15430	8	-15430	1	124.5	41	1837	-15056	1	-15056	1	93.4	0	+∞	Si
23	-31770	8	-31770	2.1	124.5	84.4	1837	-31012	1	-31012	2.1	93.4	0	+∞	Si
25	-35224	8	-72887	4.9	124.5	193.7	1837	-34386	1	-71216	4.8	93.4	0	+∞	Si
34	-48689	8	-87367	5.9	124.5	232.2	1837	-47546	1	-85391	5.8	93.4	0	+∞	Si
45	-66185	8	-106116	7.2	124.5	282.1	1837	-64658	1	-103756	7	93.4	0	+∞	Si
51	-75150	8	-115708	7.8	124.5	307.6	1837	-73430	1	-113155	7.6	93.4	0	+∞	Si
62	-93513	8	-135324	9.1	124.5	359.7	1837	-91409	1	-132387	8.9	93.4	0	+∞	Si
74	-112454	8	-155518	10.5	124.5	413.4	1837	-109966	1	-152197	10.3	93.4	0	+∞	Si
85	-131973	8	-176290	11.9	124.5	468.6	1837	-129101	1	-172585	11.7	93.4	0	+∞	Si
96	-152070	8	-197641	13.3	124.5	525.3	1837	-148814	1	-193551	13.1	93.4	0	+∞	Si
108	-172745	8	-219569	14.8	124.5	583.6	1837	-169104	1	-215095	14.5	93.4	0	+∞	Si
119	-193998	8	-242075	16.4	124.5	643.4	1837	-189973	1	-237217	16	93.4	0	+∞	Si
130	-215830	8	-265159	17.9	124.5	704.8	1837	-211420	1	-259916	17.6	93.4	0	+∞	Si
136	-226962	8	-265359	17.9	124.5	705.3	1837	-222360	1	-260113	17.6	93.4	0	+∞	Si
147	-249660	8	-265359	17.9	124.5	705.3	1837	-244674	1	-260113	17.6	93.4	0	+∞	Si
155	-265359	8	-265359	17.9	124.5	705.3	1837	-260113	1	-260113	17.6	93.4	0	+∞	Si
159	-272936	8	-271998	18.4	124.5	723	1837	-267566	1	-266643	18	93.4	0	+∞	Si
170	-296790	8	-280830	19	124.5	746.5	1837	-291036	1	-275329	18.6	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
11	0	0	0	0	0	0	0	0	0	0	-0.001	2	-0.001	2	9999	Si
23	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si
25	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.003	2	9999	Si
34	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
45	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
51	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
62	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	2	-0.006	2	9999	Si
74	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
85	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
96	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
102	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
108	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
119	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
130	-0.002	-0.003	-0.002	-0.002	-0.003	-0.003	-0.002	-0.002	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
136	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	2	-0.005	2	9999	Si
147	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
155	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
159	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	2	-0.002	2	9999	Si

Campata 2 tra i fili ? - ?, sezione R 30x60, asta 720

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	7.6	5.4	7.6	5.4						-276481	LU 15	-263780	-796256	0.099	Si
15	7.6	5.4	7.6	5.4						-251677	LU 15	-251677	-796256	0.099	Si
19	7.6	5.4	7.6	5.4						-245739	LU 15	-251677	-796256	0.099	Si
37	7.6	5.4	7.6	5.4						-217064	LU 17	-251677	-796256	0.099	Si
56	7.6	5.4	7.6	5.4						-190505	LU 17	-225952	-796256	0.099	Si
75	7.6	5.4	7.6	5.4	-122335	LU 2	6948	796256	0.099	-165984	LU 17	-198743	-796256	0.099	Si
84	7.6	5.4	7.6	5.4	-113725	LU 2	11917	796256	0.099	-154489	LU 17	-185906	-796256	0.099	Si
103	7.6	5.4	7.6	5.4	-97680	LU 2	19561	796256	0.099	-133026	LU 17	-161760	-796256	0.099	Si
121	7.6	5.4	7.6	5.4	-83203	LU 2	24147	796256	0.099	-113601	LU 17	-139652	-796256	0.099	Si
140	7.6	5.4	7.6	5.4	-70295	LU 2	25676	796256	0.099	-96215	LU 17	-119583	-796256	0.099	Si
159	7.6	5.4	7.6	5.4	-58954	LU 2	24147	796256	0.099	-80867	LU 17	-101552	-796256	0.099	Si
177	7.6	5.4	7.6	5.4	-49067	LU 1	19561	796256	0.099	-67638	LU 18	-85560	-796256	0.099	Si
196	7.6	5.4	7.6	5.4	-40101	LU 1	11917	796256	0.099	-56900	LU 18	-71606	-796256	0.099	Si
215	7.6	5.4	7.6	5.4	-32704	LU 1	1215	796256	0.099	-48200	LU 18	-60135	-796256	0.099	Si
224	7.6	5.4	7.6	5.4						-44615	LU 18	-55208	-796256	0.099	Si
243	7.6	5.4	7.6	5.4						-38972	LU 18	-46882	-796256	0.099	Si
261	7.6	5.4	7.6	5.4						-35369	LU 18	-40596	-796256	0.099	Si
265	7.6	5.4	7.6	5.4						-34961	LU 18	-39587	-796256	0.099	Si
280	7.6	5.4	7.6	5.4						-33803	LU 18	-33803	-796256	0.099	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	7.6	0	1716	LU 10	1716	6713	43335	0	6713	1	Si
15	0.048	7.6	0	1629	LU 10	1629	6713	43335	4735	6713	1	Si
19	0.048	7.6	0	1607	LU 10	1607	6713	43335	4735	6713	1	Si
37	0.048	7.6	0	1498	LU 10	1498	6713	43335	4735	6713	1	Si
56	0.048	7.6	0	1389	LU 10	1389	6713	43335	4735	6713	1	Si
75	0.048	7.6	0	1280	LU 10	1280	6713	43335	4735	6713	1	Si
84	0.048	7.6	0	1225	LU 10	1225	6713	43335	4735	6713	1	Si
103	0.048	7.6	0	1116	LU 10	1116	6713	43335	4735	6713	1	Si
121	0.048	7.6	0	1007	LU 10	1007	6713	43335	4735	6713	1	Si
140	0.048	7.6	0	897	LU 10	897	6713	43335	4735	6713	1	Si
159	0.048	7.6	0	788	LU 10	788	6713	43335	4735	6713	1	Si
177	0.048	7.6	0	679	LU 10	679	6713	43335	4735	6713	1	Si
196	0.048	7.6	0	570	LU 10	570	6713	43335	4735	6713	1	Si
215	0.048	7.6	0	461	LU 10	461	6713	43335	4735	6713	1	Si
224	0.048	7.6	0	406	LU 10	406	6713	43335	4735	6713	1	Si
243	0.048	7.6	0	297	LU 10	297	6713	43335	4735	6713	1	Si
261	0.048	7.6	0	188	LU 10	188	6713	43335	4735	6713	1	Si
265	0.048	7.6	0	166	LU 10	166	6713	43335	4735	6713	1	Si
280	0	7.6	0	78	LU 10	78	6713	43335	0	6713	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-212646	6	-202866	13.7	124.5	539.2	1837	-212445	1	-202590	13.7	93.4	0	+∞	Si
15	-193544	6	-193544	13.1	124.5	514.4	1837	-193194	1	-193194	13	93.4	0	+∞	Si
19	-188970	6	-193544	13.1	124.5	514.4	1837	-188584	1	-193194	13	93.4	0	+∞	Si
37	-166881	8	-193544	13.1	124.5	514.4	1837	-166290	1	-193194	13	93.4	0	+∞	Si
56	-146412	8	-173730	11.7	124.5	461.8	1837	-145564	1	-173216	11.7	93.4	0	+∞	Si
75	-127510	8	-152761	10.3	124.5	406	1837	-126407	1	-151995	10.3	93.4	0	+∞	Si
84	-118648	8	-142867	9.6	124.5	379.7	1837	-117416	1	-141972	9.6	93.4	0	+∞	Si
103	-102098	8	-124253	8.4	124.5	330.3	1837	-100610	1	-123102	8.3	93.4	0	+∞	Si
121	-87117	8	-107208	7.2	124.5	285	1837	-85372	1	-105801	7.1	93.4	0	+∞	Si
140	-73704	8	-91731	6.2	124.5	243.8	1837	-71702	1	-90067	6.1	93.4	0	+∞	Si
159	-61858	8	-77822	5.3	124.5	206.9	1837	-59601	1	-75902	5.1	93.4	0	+∞	Si
177	-51634	9	-65480	4.4	124.5	174	1837	-49090	2	-63304	4.3	93.4	0	+∞	Si
196	-43280	9	-54707	3.7	124.5	145.4	1837	-40276	2	-52274	3.5	93.4	0	+∞	Si
215	-36494	9	-45798	3.1	124.5	121.7	1837	-33031	2	-42940	2.9	93.4	0	+∞	Si
224	-33689	9	-41961	2.8	124.5	111.5	1837	-29996	2	-38873	2.6	93.4	0	+∞	Si
243	-29255	9	-35463	1.8	124.5	94.3	1837	-25103	2	-31916	2.2	93.4	0	+∞	Si
261	-26388	9	-30533	2.1	124.5	81.2	1837	-21777	2	-26526	1.8	93.4	0	+∞	Si
265	-26056	9	-29739	2	124.5	79	1837	-21355	2	-25642	1.7	93.4	0	+∞	Si
280	-25090	9	-25090	1.7	124.5	66.7	1837	-20019	2	-20019	1.4	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
15	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.003	2	-0.003	2	9999	Si
19	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	2	-0.004	2	9999	Si
37	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.007	2	-0.007	2	9999	Si
56	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	2	-0.009	2	9999	Si
75	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.004	-0.004	-0.004	-0.005	-0.005	-0.01	2	-0.01	2	9999	Si
84	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.011	2	-0.011	2	9999	Si
103	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	2	-0.011	2	9999	Si
112	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	2	-0.011	2	9999	Si
121	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.011	2	-0.011	2	9999	Si
140	-0.005	-0.005	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.005	-0.005	-0.011	2	-0.011	2	9999	Si
159	-0.004	-0.005	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.01	2	-0.01	2	9999	Si
177	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.009	2	-0.009	2	9999	Si
196	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.008	2	-0.008	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
215	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.006	2	-0.006	2	9999	Si
224	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.006	2	-0.006	2	9999	Si
243	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.004	1	-0.004	1	9999	Si
261	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si
265	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	1	-0.002	1	9999	Si

Trave a "Piano Terra" (3296; 4291)-(3296; 4520)

Caratteristiche dei materiali

Acciaio: FeB 32k liscio LC1 Fyk 3100
Calcestruzzo: RCK300 LC2 Rck 300

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x50	Rettangolare	30	50	3.5	3.5	3.5

Output campate

Campata 1 tra i fili 17 - 6, sezione R 30x50, asta 924

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	11.4	5.4	15.21	5.4	188284	LU 12	188284	1241450	0.143						Si
21	11.4	5.4	15.21	5.4	244881	LU 12	244881	1241450	0.143						Si
42	11.4	5.4	15.21	5.4	284475	LU 12	284424	1241450	0.143						Si
43	11.4	5.4	15.21	5.4	284822	LU 12	306393	1241450	0.143						Si
63	11.4	5.4	15.21	5.4	307062	LU 12	312578	1241450	0.143						Si
84	11.4	5.4	15.21	5.4	312644	LU 12	312644	1241450	0.143						Si
95	11.4	5.4	15.21	5.4	309057	LU 12	312644	1241450	0.143						Si
116	11.4	5.4	15.21	5.4	289245	LU 11	308283	1241450	0.143						Si
137	11.4	5.4	15.21	5.4	253012	LU 11	287664	1241450	0.143						Si
158	11.4	5.4	15.21	5.4	199774	LU 11	250591	1241450	0.143						Si
179	11.4	5.4	15.21	5.4	129533	LU 11	196513	1241450	0.143	45897	LU 8	-4879	-942903	0.129	Si
201	11.4	5.4	15.21	5.4	42288	LU 11	125431	1241450	0.143	-7639	LU 8	-83005	-942903	0.129	Si
222	11.4	5.4	15.21	5.4	-45230	LU 2	60557	1241450	0.143	-87146	LU 17	-188584	-942903	0.129	Si
243	11.4	5.4	15.21	5.4						-194443	LU 18	-319388	-942903	0.129	Si
253	11.4	5.4	15.21	5.4						-257593	LU 18	-382391	-942903	0.129	Si
272	11.4	5.4	15.21	5.4						-382391	LU 12	-382391	-942903	0.129	Si
274	11.4	5.4	15.21	5.4						-402316	LU 12	-401959	-942903	0.129	Si
296	11.4	5.4	15.21	5.4						-566768	LU 12	-510143	-942903	0.129	Si
317	11.4	5.4	15.21	5.4						-748222	LU 12	-546205	-942903	0.129	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	15.21	0	3100	LU 11	3100	7687	35398	0	7687	1	Si
21	0	15.21	0	2311	LU 11	2311	7687	35398	0	7687	1	Si
42	0	15.21	0	1506	LU 11	1506	7687	35398	0	7687	1	Si
43	0.261	15.21	0	1495	LU 11	1495	7687	35398	20950	20950	1	Si
63	0.261	15.21	0	700	LU 11	700	7687	35398	20950	20950	1	Si
84	0.261	15.21	0	-411	LU 17	-411	-7687	-35398	-20950	-20950	1	Si
95	0.303	15.21	0	-696	LU 17	-696	-7687	-35398	-24322	-24322	1	Si
116	0.303	15.21	0	-1392	LU 18	-1392	-7687	-35398	-24322	-24322	1	Si
137	0.303	15.21	0	-2152	LU 12	-2152	-7687	-35398	-24322	-24322	1	Si
158	0.303	15.21	0	-2957	LU 12	-2957	-7687	-35398	-24322	-24322	1	Si
179	0.303	15.21	0	-3763	LU 12	-3763	-7687	-35398	-24322	-24322	1	Si
201	0.303	15.21	0	-4568	LU 12	-4568	-7687	-35398	-24322	-24322	1	Si
222	0.342	11.4	0	-5373	LU 12	-5373	-6984	-35398	-27396	-27396	1	Si
243	0.342	11.4	0	-6179	LU 12	-6179	-6984	-35398	-27396	-27396	1	Si
253	0.342	11.4	0	-6581	LU 12	-6581	-6984	-35398	-27396	-27396	1	Si
272	0.342	11.4	0	-7281	LU 12	-7281	-6984	-35398	-27396	-27396	1	Si
274	0	11.4	0	-7386	LU 12	-7386	-6984	-35398	0	-6984	1	Si
296	0	11.4	0	-8192	LU 12	-8192	-6984	-35398	0	-6984	1	Si
317	0	11.4	0	-8997	LU 12	-8997	-6984	-35398	0	-6984	1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	140593	3	140593	9.7	124.5	236.9	1837	120554	2	120554	8.3	93.4	0	+∞	Si
21	182035	3	182035	12.6	124.5	306.8	1837	152607	2	152607	10.5	93.4	0	+∞	Si
42	210910	3	210872	14.6	124.5	355.4	1837	174420	2	174389	12	93.4	0	+∞	Si
43	211161	3	226733	15.7	124.5	382.1	1837	174603	2	185662	12.8	93.4	0	+∞	Si
63	227214	3	230919	15.9	124.5	389.2	1837	185991	2	187936	13	93.4	0	+∞	Si
84	230948	3	230948	15.9	124.5	389.2	1837	187321	2	187936	13	93.4	0	+∞	Si
95	228101	3	230948	15.9	124.5	389.2	1837	184145	2	187875	13	93.4	0	+∞	Si
116	213058	2	227509	15.7	124.5	383.4	1837	170113	2	183578	12.7	93.4	0	+∞	Si
137	185834	2	211867	14.6	124.5	357.1	1837	145839	2	169039	11.7	93.4	0	+∞	Si
158	146043	2	184023	12.7	124.5	310.1	1837	111326	2	144260	10	93.4	0	+∞	Si
179	93682	2	143610	9.9	124.5	242	1837	66571	2	109240	7.5	93.4	0	+∞	Si
201	28754	2	90629	6.3	124.5	152.7	1837	11577	2	63980	4.4	93.4	0	+∞	Si
201	-3687	8	-62362	4.4	124.5	138.2	1837								Si
222	-65532	8	-141916	10	124.5	314.6	1837	-55763	1	-125273	8.8	93.4	0	+∞	Si
243	-146293	9	-239519	16.9	124.5	530.9	1837	-129130	2	-210480	14.8	93.4	0	+∞	Si
253	-193470	9	-286251	20.2	124.5	634.5	1837	-170706	2	-249271	17.6	93.4	0	+∞	Si
272	-286251	3	-286251	20.2	124.5	634.5	1837	-249271	2	-249271	17.6	93.4	0	+∞	Si
274	-301030	3	-300764	21.2	124.5	666.7	1837	-261538	2	-261315	18.4	93.4	0	+∞	Si
296	-422974	3	-381003	26.9	124.5	844.5	1837	-362608	2	-327897	23.1	93.4	0	+∞	Si
317	-557485	3	-407749	28.7	124.5	903.8	1837	-473917	2	-350091	24.7	93.4	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara	Frequente	Quasi permanente	Verifica

	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
21	0.005	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.007	2	0.006	2	9999	Si
42	0.009	0.007	0.007	0.005	0.008	0.007	0.006	0.005	0.007	0.007	0.012	2	0.011	2	9999	Si
43	0.009	0.007	0.007	0.005	0.008	0.007	0.006	0.005	0.007	0.007	0.013	2	0.011	2	9999	Si
63	0.013	0.009	0.01	0.007	0.011	0.009	0.008	0.007	0.01	0.009	0.017	2	0.015	2	9999	Si
84	0.015	0.01	0.011	0.007	0.013	0.01	0.009	0.008	0.012	0.01	0.019	2	0.017	2	9999	Si
95	0.016	0.01	0.012	0.008	0.013	0.011	0.01	0.008	0.012	0.011	0.02	2	0.017	2	9999	Si
106	0.016	0.011	0.012	0.008	0.014	0.011	0.01	0.008	0.012	0.011	0.02	2	0.017	2	9999	Si
116	0.016	0.01	0.012	0.007	0.014	0.011	0.01	0.008	0.012	0.011	0.02	2	0.017	2	9999	Si
137	0.016	0.01	0.011	0.007	0.013	0.01	0.009	0.007	0.012	0.01	0.018	2	0.016	2	9999	Si
158	0.014	0.008	0.01	0.005	0.011	0.009	0.008	0.006	0.01	0.009	0.015	2	0.013	2	9999	Si
179	0.012	0.006	0.008	0.004	0.009	0.007	0.006	0.004	0.008	0.007	0.012	2	0.01	2	9999	Si
201	0.009	0.004	0.005	0.002	0.007	0.005	0.004	0.003	0.006	0.005	0.008	2	0.006	2	9999	Si
222	0.005	0.002	0.003	0	0.004	0.002	0.002	0.001	0.003	0.002	0.003	2	0.002	2	9999	Si
243	0.002	0	0.001	-0.001	0.001	0	0	-0.001	0.001	0	-0.001	2	-0.002	2	9999	Si
253	0.001	-0.001	0	-0.002	0	-0.001	-0.001	-0.001	0	0	-0.002	2	-0.003	2	9999	Si
272	0	-0.002	-0.001	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.004	2	-0.004	2	9999	Si
274	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.004	2	-0.004	2	9999	Si
296	-0.001	-0.002	-0.002	-0.002	-0.001	-0.001	-0.002	-0.002	-0.001	-0.001	-0.004	2	-0.004	2	9999	Si